

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
INDIANAPOLIS

OFFICE MEMORANDUM

Date: September 13, 2018

To: Kevin Davis
Remediation Services Branch

Thru: Steve Buckel / 9/13/18

From: Kristy M. McIntire KMM 09/13/2018
Chemistry Services Section

Subject: Analytical Results for Franklin Site
Franklin, Johnson County, Indiana
Site # 0000794
Sampled: August 28, 2018
Sample Numbers: LA305 - LA310 (Groundwater)
LA312 and LA313 (Soil)
Pace Analytical

The analytical results for the samples identified above have been validated according to the quality criteria contained in the Laboratory Services Contract (RFP 17-109) and Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846) Third Edition, and its updates. Based on the evaluation, it has been determined that the results are acceptable for use. Reasons that data are qualified as estimated are explained below.

General Comments:

The purpose of this event was to determine if VOCs were present in soil and/or groundwater. The collected samples were analyzed for VOCs.

Sampling Quality Assurance/Quality Control:

Field documentation did allow for interpretation of the data.

Field duplicate samples are used to establish the representativeness of field sampling (i.e., the homogeneity and sample variability). A groundwater field duplicate was collected from RUG-1 (LA308 and LA309) and a soil field duplicate was collected from RUG-1S (LA312 and LA313). The soil and groundwater duplicate samples for this study compared well.

Field blanks (trip and/or equipment) are used to identify sample contamination resulting from sampling equipment, sample containers, chemical preservatives, and the handling and transportation of samples. A trip blank was collected and analyzed for VOCs. The equipment blank was not required since dedicated equipment was utilized.

The information in this memorandum is based on documentation available at the time it was prepared.

Laboratory Quality Assurance/Quality Control:

The laboratory performed all QA/QC measures necessary to validate the analytical results for this sampling event. The data was determined to be valid. Based on the validation of the analytical results, the following comments and/or qualifications are made regarding the data:

VOCs (Groundwater)

Samples, LA305 – LA310, were analyzed for VOCs by EPA Method 8260.

A matrix spike/matrix spike duplicate was performed on sample LA305 (GW-1) and met criteria.

Unknowns were detected in the trip blank, method blank, laboratory control sample, and the matrix spike/matrix spike duplicate. A tentatively identified compound was detected in one groundwater sample. Also, unknowns were reported in the groundwater samples. Results of all groundwater unknowns are estimated.

All other QA/QC criteria were acceptable.

VOCs (Soil)

Samples LA312 and LA313 were analyzed for VOCs by EPA Method 8260.

A matrix spike/matrix spike duplicate was performed on sample LA312 (Rug-1S). The matrix spike/matrix spike duplicate percent recovery was out of control, low, for vinyl acetate. The results for vinyl acetate are estimated biased low.

All other QA/QC criteria were acceptable.

Results:

All VOCs were non-detect in the soil and groundwater samples. Unknowns were detected at low estimated concentrations in all the groundwater samples including the trip blank. A tentatively identified compound was reported at a low estimated concentration in one groundwater sample. It should be noted, that the unknowns were also detected in the method blank and laboratory control sample, indicating potential laboratory cross-contamination.

Conclusions:

The data are usable for the overall project goal.

cc: Michael Anderson, Risk Services
Scott Johanson, Geological Services

Site & Requestor Details	OLQ Sample Request		1. Date 8/20/2018	Sample Numbers LA 305 - LA311		
	2. Site Name Franklin		3. Site ID Numbers (Old) CZ0M2	(New)	4. Grant Code 95308800049535	
	5. Street Address Hurricane Creek Along Shelbyville Road		6. City Franklin		7. County Johnson	
	8. Person Requesting Samples Steve McIntire		Branch/Section State Cleanup		Phone 317-234-5311	
	9. Sampler(s) Steve McIntire		Branch/Section State Cleanup		Phone 317-234-5311	
	10. Site Manager / Facility Contact Kevin Davis				317-234-4814	
	11. Reason for Sampling: Briefly describe the problem sampling and analysis should resolve. Trying to determine if VOCs are in the ground water at this location					
	Electronic Copy <input type="checkbox"/> Yes					
	12. DQO: Preliminary/Screening			13. Protocol: SW846		
	14. Matrix Type: Ground Water			15. Dedicated Equipment? No		
16. This section for Air Analysis only:						
16 A. Six (6) Liter Summa Certification (Includes vacuum and pressure gauge):						
16 B. Flow Controller:						
17. Analysis:	VOC-A-List (DW)					
18. Samples:	4					
Duplicates:	1					
Trip Blanks:	1					
Equipment Blanks:	1					
Total:	7					
Tracking	19. Projected Sample Date(s) 8/24/2018		20. Projected Date(s) to Lab 8/25/2018		21. Turnaround Time 30 Days	
	22. Cooler Arrival August 23, 2018		Lab Assigned Pace		Lab Contact S. Branthor	
	Lab Assigned		Lab Contact Date 8/20/18		Projected Cost \$ 360.00	
	Actual Date to Lab		Data Package Due		Preliminary Results Received	
Signatures	Sampling Gatekeeper David Harrison					
	Section Chief D.P. Allen 8/20/18			Branch Chief		
	Assistant Commissioner			Assistant Commissioner of OMBA		
\$0-\$10,000 - Section Chief			\$10,001-\$20,000 - Add Branch Chief			
\$20,001-\$40,000 - Add Assistant Commissioner of OLQ			Over \$40,000 - Add Assistant Commissioner of OMBA			

Site & Requestor Details	OLQ Sample Request		1. Date 8/20/2018	Sample Numbers <i>LA 312 - LA 314</i>		
	2. Site Name Franklin		3. Site ID Numbers (Old)	(New) CZ0M2	4. Grant Code 95308800049535	
	5. Street Address Hurricane Creek Along Shelbyville Road		6. City Franklin		7. County Johnson	
	8. Person Requesting Samples Steve McIntire		Branch/Section State Cleanup		Phone 317-234-5311	
	9. Sampler(s) Steve McIntire		Branch/Section State Cleanup		Phone 317-234-5311	
	10. Site Manager / Facility Contact Kevin Davis				317-234-4814	
	11. Reason for Sampling: Briefly describe the problem <u>sampling and analysis</u> should resolve. Trying to determine if VOCs are in the ground water at this location					Electronic Copy <input type="checkbox"/> Yes
	12. DQO: Preliminary/Screening			13. Protocol: SW846		
	14. Matrix Type: Soil			15. Dedicated Equipment? No		
	16. This section for Air Analysis only: 16 A. Six (6) Liter Summa Certification (Includes vacuum and pressure gauge): 16 B. Flow Controller:					
17. Analysis:	VOC-A-List (DW)					
18. Samples:	1					
Duplicates:	1					
Trip Blanks:						
Equipment Blanks:	1					
Total:	3					
Tracking	19. Projected Sample Date(s) 8/24/2018		20. Projected Date(s) to Lab 8/25/2018		21. Turnaround Time 30 Days	
	22. Cooler Arrival August 23, 2018		Lab Assigned <i>Pace</i>		Lab Contact <i>S. Brattton</i>	
	Lab Assigned <i>Pace</i>		Lab Contact <i>S. Brattton</i>		Lab Contact Date <i>8/20/18</i>	
Actual Date to Lab		Data Package Due		Preliminary Results Received	Projected Cost <i>\$ 200.00</i>	
Package Received						
Signatures	Sampling Gatekeeper <i>David Harrison</i>					
	Section Chief <i>W. E. Allen 8/20/18</i>			Branch Chief		
	Assistant Commissioner			Assistant Commissioner of OMBA		
\$0-\$10,000 - Section Chief			\$10,001-\$20,000 - Add Branch Chief			
\$20,001-\$40,000 - Add Assistant Commissioner of OLQ			Over \$40,000 - Add Assistant Commissioner of OMBA			

SITE INFORMATION *

IDEM Sample #s: LA 305 - LA 310 Sampling Date(s): 8/28/18
Site Name: FRANKLIN CONTAMINATION Site ID #: 000794
Street Address: _____ City: FRANKLIN County: JOHNSON

Site Representative(s): _____ Company: _____
IDEM Samplers: TIM JOHNSON, STEVE McINTIRO, TROY WEAVER Laboratory: PACE

Weather Conditions: Sky clear Ground Dry Wind mild Temp 90°F Humidity High

Sample Types (check all applicable): Mon. Well Res. Well Creek Leachate Ditch
 Drainage Tile Lagoon Pond Sludge Sediment Industrial Waste
 Waste Pile Soil Truck Drummed Waste Waste Liquid Oil
 Solvent Sand Ash Other soil Boring
Sample Choice (check): Grab Composite Statistical Random Judgmental

Sampling Equipment Used: Geoprobe, PERISTALTIC PUMP
Decontamination Procedures: _____

Field Test Equipment Used: _____
Calibration Notes: _____

Container Source: PACE Sample Preservative Source: PACE
Blank Water Source: PACE Decontamination Water Source: _____

Program Area (check): RCRA CERCLA Solid Waste DOD LUST/UST VRP
 State Cleanup Emergency Response Other _____
Purpose (check): Complaint Compliance Enforcement Other _____
Constituents Expected: VOC's Handling Precaution: Yes No

Photos Taken? Yes No Send analytical data review to: DAVE HARRISON Phone: 317-232-8877

Other Notes or Deviations from Sampling Plan: _____

Revised 09-11-00 Sampler Signature: J. Kelly Johnson Date: 8/28/18

* This form is for general use in OLQ sampling projects.

SAMPLE FIELD SHEET *

Site Name: <u>FRANKLIN CONTAMINATION</u>	County: <u>JOHNSON</u>
IDEM/OLQ Sample #: <u>GW1</u>	Sample ID: <u>LA305</u>
Collection Date: <u>8/28/18</u>	Time: <u>11:40</u> AM/PM

- Sample Types (check all applicable): Mon. Well Res. Well Creek Leachate Ditch
- Drainage Tile Lagoon Pond Sludge Sediment Industrial Waste
- Waste Pile Soil Truck Solvent Oil Drummed Waste
- Waste Liquid Sand Ash Trip Blank Field Blank Equipment Blank
- Background MS/MSD Duplicate of _____ Other _____

Containers:	Volume	Material	Quantity	Preservative	Analysis
	<u>40ml</u>	<u>Glass</u>	<u>9</u>	<u>HCl</u>	<u>VOC</u>

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)
TAKEN FROM TEMP. WELL, TRIANGLE Property N. of Grade Schools western
most Boring

For Well Samples: Well purged less than 1 2 4 6 12 24 48 hours prior to sampling.
Purged to dryness? Yes No Approx. 1 2 3 5 >5 well volumes.

Sampling Equipment Used: _____

<u>Field Test Performed</u>	<u>Result</u>	<u>Field Test Performed</u>	<u>Result</u>
_____	_____	_____	_____
_____	_____	_____	_____

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)
clear, no noticeable color, odor

Deviations from Sampling Plan: NA

Sampler Signature: Justin D. John Date: 8/28/18

SAMPLE FIELD SHEET *

Site Name: 6302 ^{NA} <u>FRANKLIN CONTAMINATION</u>	County: <u>JOHNSON</u>
IDEM/OLQ Sample #: <u>GW-2</u>	Sample ID: <u>LA306</u>
Collection Date: <u>8/28/18</u>	Time: <u>12:35</u> AM / <u>(PM)</u>

- Sample Types (check all applicable):
- | | | | | | |
|---|------------------------------------|---|--------------------------------------|--------------------------------------|---|
| <input checked="" type="checkbox"/> Mon. Well | <input type="checkbox"/> Res. Well | <input type="checkbox"/> Creek | <input type="checkbox"/> Leachate | <input type="checkbox"/> Ditch | |
| <input type="checkbox"/> Drainage Tile | <input type="checkbox"/> Lagoon | <input type="checkbox"/> Pond | <input type="checkbox"/> Sludge | <input type="checkbox"/> Sediment | <input type="checkbox"/> Industrial Waste |
| <input type="checkbox"/> Waste Pile | <input type="checkbox"/> Soil | <input type="checkbox"/> Truck | <input type="checkbox"/> Solvent | <input type="checkbox"/> Oil | <input type="checkbox"/> Drummed Waste |
| <input type="checkbox"/> Waste Liquid | <input type="checkbox"/> Sand | <input type="checkbox"/> Ash | <input type="checkbox"/> Trip Blank | <input type="checkbox"/> Field Blank | <input type="checkbox"/> Equipment Blank |
| <input type="checkbox"/> Background | <input type="checkbox"/> MS/MSD | <input type="checkbox"/> Duplicate of _____ | <input type="checkbox"/> Other _____ | | |

Containers:	Volume	Material	Quantity	Preservative	Analysis
	<u>40ml</u>	<u>Glass</u>	<u>3</u>	<u>HCl</u>	<u>VOC</u>

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)
Taken from triangle property north of grade schools N of Hurricane creek middle location of 3 total

For Well Samples: Well purged less than 1 2 4 6 12 24 48 hours prior to sampling.
Purged to dryness? Yes No Approx. 1 2 3 5 >5 well volumes.

Sampling Equipment Used: _____

<u>Field Test Performed</u>	<u>Result</u>	<u>Field Test Performed</u>	<u>Result</u>
_____	_____	_____	_____
_____	_____	_____	_____

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)
no noticeable color, odor solids or reaction

Deviations from Sampling Plan: NA

Revision 09-11-00
Sampler Signature: Trinity R. John Date: 8/28/18

* This form is for general use in OLQ sampling projects.

SAMPLE FIELD SHEET *

Site Name: <u>Franklin Contamination</u>	County: <u>JOHNSON</u>
IDEM/OLQ Sample #: <u>GW-3</u>	Sample ID: <u>LA 307</u>
Collection Date: <u>8 / 28 / 18</u>	Time: <u>1:00</u> AM (PM)

- Sample Types (check all applicable):** Mon. Well Res. Well Creek Leachate Ditch
- Drainage Tile Lagoon Pond Sludge Sediment Industrial Waste
- Waste Pile Soil Truck Solvent Oil Drummed Waste
- Waste Liquid Sand Ash Trip Blank Field Blank Equipment Blank
- Background MS/MSD Duplicate of _____ Other _____

Containers:	Volume	Material	Quantity	Preservative	Analysis
	<u>40m l</u>	<u>Glass</u>	<u>3</u>	<u>HC</u>	<u>VOC</u>

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)
Taken from easternmost location, triangle property north of grade schools.

For Well Samples: Well purged less than 1 2 4 6 12 24 48 hours prior to sampling.
Purged to dryness? Yes No Approx. 1 2 3 5 >5 well volumes.

Sampling Equipment Used: _____

<u>Field Test Performed</u>	<u>Result</u>	<u>Field Test Performed</u>	<u>Result</u>
_____	_____	_____	_____
_____	_____	_____	_____

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)
No noticeable color odor solids etc.

Deviations from Sampling Plan: NA

Revision 09-11-00 Sampler Signature: Justin R. Johnson Date: 8/28/18

* This form is for general use in OLQ sampling projects.

SAMPLE FIELD SHEET *

Site Name: <u>Franklin Contamination</u>	County: <u>JOHNSON</u>
IDEM/OLQ Sample #: <u>RUG-1</u>	Sample ID: <u>LA 308 308</u>
Collection Date: <u>8/28/18</u>	Time: <u>4:00</u> AM / <input checked="" type="radio"/> PM

- Sample Types (check all applicable):
- | | | | | | |
|--|------------------------------------|---|---|--------------------------------------|---|
| <input type="checkbox"/> Mon. Well | <input type="checkbox"/> Res. Well | <input type="checkbox"/> Creek | <input type="checkbox"/> Leachate | <input type="checkbox"/> Ditch | |
| <input type="checkbox"/> Drainage Tile | <input type="checkbox"/> Lagoon | <input type="checkbox"/> Pond | <input type="checkbox"/> Sludge | <input type="checkbox"/> Sediment | <input type="checkbox"/> Industrial Waste |
| <input type="checkbox"/> Waste Pile | <input type="checkbox"/> Soil | <input type="checkbox"/> Truck | <input type="checkbox"/> Solvent | <input type="checkbox"/> Oil | <input type="checkbox"/> Drummed Waste |
| <input type="checkbox"/> Waste Liquid | <input type="checkbox"/> Sand | <input type="checkbox"/> Ash | <input type="checkbox"/> Trip Blank | <input type="checkbox"/> Field Blank | <input type="checkbox"/> Equipment Blank |
| <input type="checkbox"/> Background | <input type="checkbox"/> MS/MSD | <input type="checkbox"/> Duplicate of _____ | <input checked="" type="checkbox"/> Other <u>Boring</u> | | |

Containers:	Volume	Material	Quantity	Preservative	Analysis
	<u>40ml</u>	<u>Glass</u>	<u>3</u>	<u>HCl</u>	<u>VOC</u>

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)
TAXON FROM GEOPROBE BORING SOUTHEAST CORNER OF FORMER
RUG CLEANING BUILDING 8' to GW

For Well Samples: Well purged less than 1 2 4 6 12 24 48 hours prior to sampling.
Purged to dryness? Yes No Approx. 1 2 3 5 >5 well volumes.

Sampling Equipment Used: _____

<u>Field Test Performed</u>	<u>Result</u>	<u>Field Test Performed</u>	<u>Result</u>
_____	_____	_____	_____
_____	_____	_____	_____

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)
NO NOTICEABLE COLOR, ODOR, OR CLARITY ^{LACK OF}

Deviations from Sampling Plan: NA

Revision 09-11-00
Sampler Signature: Timothy R. Phipps Date: 8/28/18

* This form is for general use in OLQ sampling projects.

SAMPLE FIELD SHEET *

Site Name: <u>FRANKLIN CONTAMINATION</u>	County: <u>JOHNSON</u>
IDEM/OLQ Sample #: <u>RUG 2</u>	Sample ID: <u>LA 309</u>
Collection Date: <u>8/28/18</u>	Time: <u>4:05 AM (PM)</u>

- Sample Types (check all applicable):**
- | | | | | | |
|--|------------------------------------|--|---|--------------------------------------|---|
| <input type="checkbox"/> Mon. Well | <input type="checkbox"/> Res. Well | <input type="checkbox"/> Creek | <input type="checkbox"/> Leachate | <input type="checkbox"/> Ditch | |
| <input type="checkbox"/> Drainage Tile | <input type="checkbox"/> Lagoon | <input type="checkbox"/> Pond | <input type="checkbox"/> Sludge | <input type="checkbox"/> Sediment | <input type="checkbox"/> Industrial Waste |
| <input type="checkbox"/> Waste Pile | <input type="checkbox"/> Soil | <input type="checkbox"/> Truck | <input type="checkbox"/> Solvent | <input type="checkbox"/> Oil | <input type="checkbox"/> Drummed Waste |
| <input type="checkbox"/> Waste Liquid | <input type="checkbox"/> Sand | <input type="checkbox"/> Ash | <input type="checkbox"/> Trip Blank | <input type="checkbox"/> Field Blank | <input type="checkbox"/> Equipment Blank |
| <input type="checkbox"/> Background | <input type="checkbox"/> MS/MSD | <input checked="" type="checkbox"/> Duplicate of <u>LA 308</u> | <input checked="" type="checkbox"/> Other <u>BORING</u> | | |

Containers:	Volume	Material	Quantity	Preservative	Analysis
	<u>40 ml</u>	<u>Glass</u>	<u>3</u>	<u>HCL</u>	<u>VOC</u>

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)
TAKN FROM GEOPROBE BORING SOUTHEAST CORNER OF FORMER RUG
CLEANING BUILDING 8' TO GW

For Well Samples: Well purged less than 1 2 4 6 12 24 48 hours prior to sampling.
Purged to dryness? Yes No Approx. 1 2 3 5 >5 well volumes.

Sampling Equipment Used: _____

<u>Field Test Performed</u>	<u>Result</u>	<u>Field Test Performed</u>	<u>Result</u>
_____	_____	_____	_____
_____	_____	_____	_____

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)
NO NOTICEABLE COLOR, ODOR OR LACK OF CLARITY

Deviations from Sampling Plan: NA

Revision 09-11-00
Sampler Signature: Justin R. Johnson Date: 8/28/18

* This form is for general use in OLQ sampling projects.

SAMPLE FIELD SHEET *

Site Name: <u>FRANKLIN CONTAMINATION</u>	County: _____
IDEM/OLQ Sample #: <u>TRIP</u>	Sample ID: <u>LA 310</u>
Collection Date: ___ / ___ / ___	Time: ___ : ___ AM / PM

- Sample Types (check all applicable):**
- | | | | | | |
|--|------------------------------------|---|--|--------------------------------------|---|
| <input type="checkbox"/> Mon. Well | <input type="checkbox"/> Res. Well | <input type="checkbox"/> Creek | <input type="checkbox"/> Leachate | <input type="checkbox"/> Ditch | |
| <input type="checkbox"/> Drainage Tile | <input type="checkbox"/> Lagoon | <input type="checkbox"/> Pond | <input type="checkbox"/> Sludge | <input type="checkbox"/> Sediment | <input type="checkbox"/> Industrial Waste |
| <input type="checkbox"/> Waste Pile | <input type="checkbox"/> Soil | <input type="checkbox"/> Truck | <input type="checkbox"/> Solvent | <input type="checkbox"/> Oil | <input type="checkbox"/> Drummed Waste |
| <input type="checkbox"/> Waste Liquid | <input type="checkbox"/> Sand | <input type="checkbox"/> Ash | <input checked="" type="checkbox"/> Trip Blank | <input type="checkbox"/> Field Blank | <input type="checkbox"/> Equipment Blank |
| <input type="checkbox"/> Background | <input type="checkbox"/> MS/MSD | <input type="checkbox"/> Duplicate of _____ | <input type="checkbox"/> Other _____ | | |

Containers:	Volume	Material	Quantity	Preservative	Analysis
	<u>40 ml</u>	<u>21 cans</u>	<u>3</u>	<u>HCl</u>	<u>KOC</u>

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)
COLLECTED BY PACE AND DELIVERED IN BOTTLES FOR SAMPLING

For Well Samples: Well purged less than 1 2 4 6 12 24 48 hours prior to sampling.
Purged to dryness? Yes No Approx. 1 2 3 5 >5 well volumes.

Sampling Equipment Used: _____

<u>Field Test Performed</u>	<u>Result</u>	<u>Field Test Performed</u>	<u>Result</u>

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)

Deviations from Sampling Plan: _____

Sampler Signature: *Timothy Johnson* **Date:** 8/28/19

* This form is for general use in OLQ sampling projects.

SAMPLE FIELD SHEET *

Site Name: <u>FRANKLIN CONTAMINATION</u>	County: <u>JOHNSON</u>
IDEM/OLQ Sample #: <u>RUG 15</u>	Sample ID: <u>LA 3/2</u>
Collection Date: <u>8 / 28 / 18</u>	Time: <u>3 : 40 AM / PM</u>

- Sample Types (check all applicable):**
- | | | | | | |
|--|---|---|--------------------------------------|--------------------------------------|---|
| <input type="checkbox"/> Mon. Well | <input type="checkbox"/> Res. Well | <input type="checkbox"/> Creek | <input type="checkbox"/> Leachate | <input type="checkbox"/> Ditch | |
| <input type="checkbox"/> Drainage Tile | <input type="checkbox"/> Lagoon | <input type="checkbox"/> Pond | <input type="checkbox"/> Sludge | <input type="checkbox"/> Sediment | <input type="checkbox"/> Industrial Waste |
| <input type="checkbox"/> Waste Pile | <input checked="" type="checkbox"/> Soil | <input type="checkbox"/> Truck | <input type="checkbox"/> Solvent | <input type="checkbox"/> Oil | <input type="checkbox"/> Drummed Waste |
| <input type="checkbox"/> Waste Liquid | <input type="checkbox"/> Sand | <input type="checkbox"/> Ash | <input type="checkbox"/> Trip Blank | <input type="checkbox"/> Field Blank | <input type="checkbox"/> Equipment Blank |
| <input type="checkbox"/> Background | <input checked="" type="checkbox"/> AMS/MSD | <input type="checkbox"/> Duplicate of _____ | <input type="checkbox"/> Other _____ | | |

Containers:	Volume	Material	Quantity	Preservative	Analysis
	<u>40 ml</u>	<u>glass</u>	<u>12</u>	<u>Methanol</u> <u>DI water</u>	<u>VOC</u>

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)
TAKEN FROM GEOPROBE BORING SOUTHEAST CORNER OF FORMER RUG CLEANING BUILDING. RIGHT OF WAY IN ALLEY, ALLEY BETWEEN 0#104 OYLER ST. [REDACTED]

For Well Samples: Well purged less than 1 2 4 6 12 24 48 hours prior to sampling.
Purged to dryness? Yes No Approx. 1 2 3 5 >5 well volumes.

Sampling Equipment Used: _____

<u>Field Test Performed</u>	<u>Result</u>	<u>Field Test Performed</u>	<u>Result</u>
_____	_____	_____	_____
_____	_____	_____	_____

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)
DARK BROWN SANDY LOAM

Deviations from Sampling Plan: NA

Revision 09-11-00
Sampler Signature: Timothy R. John Date: 8/28/18

* This form is for general use in OLQ sampling projects.

SAMPLE FIELD SHEET *

Site Name: <u>FRANKLIN CONTAMINATION</u>	County: <u>JOHNSON</u>
IDEM/OLQ Sample #: <u>RUG 25</u>	Sample ID: <u>LA 313</u>
Collection Date: <u>8/28/18</u>	Time: <u>3:45 AM</u> / <u>PM</u>

- Sample Types (check all applicable):
- | | | | | | |
|--|------------------------------------|--|--------------------------------------|--------------------------------------|---|
| <input type="checkbox"/> Mon. Well | <input type="checkbox"/> Res. Well | <input type="checkbox"/> Creek | <input type="checkbox"/> Leachate | <input type="checkbox"/> Ditch | |
| <input type="checkbox"/> Drainage Tile | <input type="checkbox"/> Lagoon | <input type="checkbox"/> Pond | <input type="checkbox"/> Sludge | <input type="checkbox"/> Sediment | <input type="checkbox"/> Industrial Waste |
| <input type="checkbox"/> Waste Pile | <input type="checkbox"/> Soil | <input type="checkbox"/> Truck | <input type="checkbox"/> Solvent | <input type="checkbox"/> Oil | <input type="checkbox"/> Drummed Waste |
| <input type="checkbox"/> Waste Liquid | <input type="checkbox"/> Sand | <input type="checkbox"/> Ash | <input type="checkbox"/> Trip Blank | <input type="checkbox"/> Field Blank | <input type="checkbox"/> Equipment Blank |
| <input type="checkbox"/> Background | <input type="checkbox"/> MS/MSD | <input checked="" type="checkbox"/> Duplicate of <u>LA 312</u> | <input type="checkbox"/> Other _____ | | |

Containers:	Volume	Material	Quantity	Preservative	Analysis
	<u>40 ml</u>	<u>glass</u>	<u>3</u>	<u>methanol</u> <u>DI water</u>	<u>VOC</u>

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)
SEE RUG 15 LA 312

For Well Samples: Well purged less than 1 2 4 6 12 24 48 hours prior to sampling.
Purged to dryness? Yes No Approx. 1 2 3 5 >5 well volumes.

Sampling Equipment Used: _____

Field Test Performed	Result	Field Test Performed	Result
_____	_____	_____	_____
_____	_____	_____	_____

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)
SEE FIELD SHEET LA 312

Deviations from Sampling Plan: NA

Revision 09-11-00
Sampler Signature: Timothy R. Johnson Date: 8/28/18

* This form is for general use in OLQ sampling projects.



Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 50204438

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Preparation Log (Form 12-IN)1886
Analysis Run Log (Form 13-IN)1887
Preparation Logs Raw Data1888



September 10, 2018

Case Narrative—Level Project Review **Project 50204438 (IDEM)**

General Reporting Comments

Quality control issues or reported footnotes that require more detailed information will be covered in this case narrative. Dilutions of samples are indicated in the sample results section under the heading 'DF'. The raw sample and calibration data is included following the body of the report. This raw data is separated by analysis and then further separated into categories of information.

Sample Receiving

Any discrepancies were noted concerning sample receipt or sample transfer on the Sample Condition Upon Receipt form.

Volatile Organics by GC/MS

Pace Analytical – Indianapolis performs Volatile Organics by GC/MS to comply with three separate EPA methods, EPA 524.2, EPA 624 and SW-846 8260C. All three methods use the same instrumentation and the same instrument setup. The primary variations between the methods are slight differences in the way the QC is evaluated and differences in compound lists and reporting limits. Due to the similarities of the methods, Pace has developed a single instrument method that can be used for the analysis of all three EPA methods listed. Pace has named this universal instrument method using the 8260 identifier. Raw data may show the 8260 method; however, the data was evaluated per the method reference that is identified on the final report.

Chromatograms for Volatile Organics by GC/MS show an unreported peak at approximately 5 minutes. This peak is 1,2-Dichloroethane-d4, which is a surrogate compound that is included in the surrogate standard solution but is not reported by the lab.

Analysis was performed according to standard operating procedures. All quality control requirements were met with the following exception(s):

The LCS listed on pages 37-38 has two footnotes (L2 and M5) indicating analyte recovery for one compound was below laboratory control limits. Results for this analyte in associated samples may be biased low. A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

The project specific matrix spike set is listed on pages 32-34 for sample 50204438007. There are one footnote (M1) indicating analyte recovery was outside the laboratory control limits for one analyte.

The matrix spike and duplicate information listed on pages 34-35 for sample 50204529003 are considered batch quality control data because it was not run on a sample from this project. This spike recovery information should not be used to evaluate sample data from this project.

I have reviewed the data from this project and have found all other discrepancies to be sufficiently covered in the footnotes in the report or documented within the raw data.



Theresa Sheingold
Quality Analyst
Pace Analytical Services

September 05, 2018

DAVID HARRISON
INDIANA DEPT OF ENVIRONMENTAL
MANAGEMENT
100 N. SENATE AVENUE RM 1101
OFFICE OF LAND QUALITY
Indianapolis, IN 46204

RE: Project: LA305-LA313
Pace Project No.: 50204438

Dear DAVID HARRISON:

Enclosed are the analytical results for sample(s) received by the laboratory on August 29, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Sue Brotherton
sue.brotherton@pacelabs.com
(317)228-3100
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: LA305-LA313

Pace Project No.: 50204438

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 200074

Indiana Certification #: C-49-06

Kansas/NELAP Certification #:E-10177

Kentucky UST Certification #: 80226

Kentucky WW Certification #:98019

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2017-124

Texas Certification #: T104704355-18-12

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-16-00257

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: LA305-LA313

Pace Project No.: 50204438

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50204438001	LA 305 (GW-1)	Water	08/28/18 11:41	08/29/18 09:15
50204438002	LA 306 (GW-2)	Water	08/28/18 12:35	08/29/18 09:15
50204438003	LA 307 (GW-3)	Water	08/28/18 13:00	08/29/18 09:15
50204438004	LA 308 (RUG-1)	Water	08/28/18 16:00	08/29/18 09:15
50204438005	LA 309 (RUG-2)	Water	08/28/18 16:05	08/29/18 09:15
50204438006	LA 310 (TB)	Water	08/28/18 08:00	08/29/18 09:15
50204438007	LA 312 (RUG-1S)	Solid	08/28/18 15:40	08/29/18 09:15
50204438008	LA 313 (RUG-2S)	Solid	08/28/18 15:45	08/29/18 09:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: LA305-LA313

Pace Project No.: 50204438

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50204438001	LA 305 (GW-1)	EPA 5030B/8260	AMV	62
50204438002	LA 306 (GW-2)	EPA 5030B/8260	AMV	62
50204438003	LA 307 (GW-3)	EPA 5030B/8260	AMV	62
50204438004	LA 308 (RUG-1)	EPA 5030B/8260	AMV	61
50204438005	LA 309 (RUG-2)	EPA 5030B/8260	AMV	61
50204438006	LA 310 (TB)	EPA 5030B/8260	AMV	60
50204438007	LA 312 (RUG-1S)	EPA 8260	ALA	58
		SM 2540G	MLS	1
50204438008	LA 313 (RUG-2S)	EPA 8260	ALA	58
		SM 2540G	MLS	1

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: LA305-LA313

Pace Project No.: 50204438

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50204438001	LA 305 (GW-1)					
EPA 5030B/8260	.855:Unknown	151J	ug/L		09/02/18 04:28	
EPA 5030B/8260	1.818:Unknown	2.8J	ug/L		09/02/18 04:28	
EPA 5030B/8260	3.932:Unknown	21.1J	ug/L		09/02/18 04:28	
EPA 5030B/8260	11.417:Unknown	4.2J	ug/L		09/02/18 04:28	
50204438002	LA 306 (GW-2)					
EPA 5030B/8260	.855:Unknown	144J	ug/L		09/02/18 04:53	
EPA 5030B/8260	1.815:Unknown	3.6J	ug/L		09/02/18 04:53	
EPA 5030B/8260	3.930:Ethane, 1-chloro-1,1-dif	21.8J	ug/L		09/02/18 04:53	N
EPA 5030B/8260	10.690:Unknown	3.0J	ug/L		09/02/18 04:53	
50204438003	LA 307 (GW-3)					
EPA 5030B/8260	.855:Unknown	156J	ug/L		09/02/18 05:17	
EPA 5030B/8260	1.954:Unknown	4.4J	ug/L		09/02/18 05:17	
EPA 5030B/8260	3.930:Unknown	21.1J	ug/L		09/02/18 05:17	
EPA 5030B/8260	11.483:Unknown	3.8J	ug/L		09/02/18 05:17	
50204438004	LA 308 (RUG-1)					
EPA 5030B/8260	.855:Unknown	155J	ug/L		09/02/18 05:42	
EPA 5030B/8260	3.930:Unknown	61.6J	ug/L		09/02/18 05:42	
EPA 5030B/8260	10.220:Unknown	4.1J	ug/L		09/02/18 05:42	
50204438005	LA 309 (RUG-2)					
EPA 5030B/8260	.855:Unknown	158J	ug/L		09/02/18 06:06	
EPA 5030B/8260	1.957:Unknown	3.3J	ug/L		09/02/18 06:06	
EPA 5030B/8260	3.932:Unknown	21.9J	ug/L		09/02/18 06:06	
50204438006	LA 310 (TB)					
EPA 5030B/8260	.844:Unknown	49.9J	ug/L		09/02/18 06:30	
EPA 5030B/8260	3.930:Unknown	20.9J	ug/L		09/02/18 06:30	
50204438007	LA 312 (RUG-1S)					
SM 2540G	Percent Moisture	17.5	%	0.10	08/31/18 08:55	
50204438008	LA 313 (RUG-2S)					
SM 2540G	Percent Moisture	14.8	%	0.10	08/31/18 08:56	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: LA305-LA313

Pace Project No.: 50204438

Method: EPA 5030B/8260

Description: 8260 MSV Low Level

Client: IDEM Senate Avenue

Date: September 05, 2018

General Information:

6 samples were analyzed for EPA 5030B/8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: LA305-LA313

Pace Project No.: 50204438

Method: EPA 8260

Description: 8260 MSV 5035A VOA

Client: IDEM Senate Avenue

Date: September 05, 2018

General Information:

2 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 460053

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 2122927)
 - 1,2-Dibromoethane (EDB)

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 459909

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 50204438007,50204529003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2122400)
 - Vinyl acetate
- MSD (Lab ID: 2122401)
 - Vinyl acetate

R1: RPD value was outside control limits.

- MSD (Lab ID: 2122403)
 - Acetone

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: LA305-LA313

Pace Project No.: 50204438

Method: EPA 8260

Description: 8260 MSV 5035A VOA

Client: IDEM Senate Avenue

Date: September 05, 2018

QC Batch: 460053

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LA305-LA313

Pace Project No.: 50204438

Sample: LA 305 (GW-1)	Lab ID: 50204438001	Collected: 08/28/18 11:41	Received: 08/29/18 09:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 5030B/8260						
Acetone	ND	ug/L	20.0	1		09/02/18 04:28	67-64-1	
Acrolein	ND	ug/L	20.0	1		09/02/18 04:28	107-02-8	
Benzene	ND	ug/L	1.0	1		09/02/18 04:28	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		09/02/18 04:28	75-27-4	
Bromoform	ND	ug/L	1.0	1		09/02/18 04:28	75-25-2	
Bromomethane	ND	ug/L	2.0	1		09/02/18 04:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		09/02/18 04:28	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		09/02/18 04:28	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		09/02/18 04:28	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		09/02/18 04:28	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		09/02/18 04:28	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/02/18 04:28	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/02/18 04:28	108-90-7	
Chloroethane	ND	ug/L	2.0	1		09/02/18 04:28	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/02/18 04:28	67-66-3	
Chloromethane	ND	ug/L	2.0	1		09/02/18 04:28	74-87-3	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/02/18 04:28	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/02/18 04:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/02/18 04:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/02/18 04:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/02/18 04:28	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	1		09/02/18 04:28	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/02/18 04:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/02/18 04:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/02/18 04:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/18 04:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/18 04:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/02/18 04:28	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/02/18 04:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/02/18 04:28	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		09/02/18 04:28	100-41-4	
2-Hexanone	ND	ug/L	20.0	1		09/02/18 04:28	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/02/18 04:28	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/02/18 04:28	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		09/02/18 04:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	1		09/02/18 04:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		09/02/18 04:28	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		09/02/18 04:28	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/02/18 04:28	103-65-1	
Styrene	ND	ug/L	1.0	1		09/02/18 04:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/18 04:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/18 04:28	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/02/18 04:28	127-18-4	
Toluene	ND	ug/L	1.0	1		09/02/18 04:28	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/02/18 04:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/02/18 04:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/02/18 04:28	79-00-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LA305-LA313

Pace Project No.: 50204438

Sample: LA 305 (GW-1)		Lab ID: 50204438001	Collected: 08/28/18 11:41	Received: 08/29/18 09:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 5030B/8260						
Trichloroethene	ND	ug/L	1.0	1		09/02/18 04:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	1		09/02/18 04:28	75-69-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/02/18 04:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/02/18 04:28	108-67-8	
Vinyl acetate	ND	ug/L	20.0	1		09/02/18 04:28	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/02/18 04:28	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		09/02/18 04:28	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		09/02/18 04:28	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	107	%.	85-111	1		09/02/18 04:28	460-00-4	
Dibromofluoromethane (S)	110	%.	89-116	1		09/02/18 04:28	1868-53-7	
Toluene-d8 (S)	103	%.	87-110	1		09/02/18 04:28	2037-26-5	
Tentatively Identified Compounds								
Unknown	151J	ug/L		1		09/02/18 04:28		
Unknown	2.8J	ug/L		1		09/02/18 04:28		
Unknown	21.1J	ug/L		1		09/02/18 04:28		
Unknown	4.2J	ug/L		1		09/02/18 04:28		

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ANALYTICAL RESULTS

Project: LA305-LA313

Pace Project No.: 50204438

Sample: LA 306 (GW-2)	Lab ID: 50204438002	Collected: 08/28/18 12:35	Received: 08/29/18 09:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 5030B/8260						
Acetone	ND	ug/L	20.0	1		09/02/18 04:53	67-64-1	
Acrolein	ND	ug/L	20.0	1		09/02/18 04:53	107-02-8	
Benzene	ND	ug/L	1.0	1		09/02/18 04:53	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		09/02/18 04:53	75-27-4	
Bromoform	ND	ug/L	1.0	1		09/02/18 04:53	75-25-2	
Bromomethane	ND	ug/L	2.0	1		09/02/18 04:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		09/02/18 04:53	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		09/02/18 04:53	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		09/02/18 04:53	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		09/02/18 04:53	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		09/02/18 04:53	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/02/18 04:53	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/02/18 04:53	108-90-7	
Chloroethane	ND	ug/L	2.0	1		09/02/18 04:53	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/02/18 04:53	67-66-3	
Chloromethane	ND	ug/L	2.0	1		09/02/18 04:53	74-87-3	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/02/18 04:53	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/02/18 04:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/02/18 04:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/02/18 04:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/02/18 04:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	1		09/02/18 04:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/02/18 04:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/02/18 04:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/02/18 04:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/18 04:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/18 04:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/02/18 04:53	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/02/18 04:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/02/18 04:53	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		09/02/18 04:53	100-41-4	
2-Hexanone	ND	ug/L	20.0	1		09/02/18 04:53	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/02/18 04:53	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/02/18 04:53	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		09/02/18 04:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	1		09/02/18 04:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		09/02/18 04:53	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		09/02/18 04:53	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/02/18 04:53	103-65-1	
Styrene	ND	ug/L	1.0	1		09/02/18 04:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/18 04:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/18 04:53	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/02/18 04:53	127-18-4	
Toluene	ND	ug/L	1.0	1		09/02/18 04:53	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/02/18 04:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/02/18 04:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/02/18 04:53	79-00-5	

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ANALYTICAL RESULTS

Project: LA305-LA313

Pace Project No.: 50204438

Sample: LA 306 (GW-2)		Lab ID: 50204438002	Collected: 08/28/18 12:35	Received: 08/29/18 09:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 5030B/8260						
Trichloroethene	ND	ug/L	1.0	1		09/02/18 04:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	1		09/02/18 04:53	75-69-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/02/18 04:53	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/02/18 04:53	108-67-8	
Vinyl acetate	ND	ug/L	20.0	1		09/02/18 04:53	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/02/18 04:53	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		09/02/18 04:53	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		09/02/18 04:53	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	102	%.	85-111	1		09/02/18 04:53	460-00-4	
Dibromofluoromethane (S)	110	%.	89-116	1		09/02/18 04:53	1868-53-7	
Toluene-d8 (S)	103	%.	87-110	1		09/02/18 04:53	2037-26-5	
Tentatively Identified Compounds								
Unknown	144J	ug/L		1		09/02/18 04:53		
Unknown	3.6J	ug/L		1		09/02/18 04:53		
Ethane, 1-chloro-1,1-dif	21.8J	ug/L		1		09/02/18 04:53	75-68-3	N
Unknown	3.0J	ug/L		1		09/02/18 04:53		

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ANALYTICAL RESULTS

Project: LA305-LA313

Pace Project No.: 50204438

Sample: LA 307 (GW-3)	Lab ID: 50204438003	Collected: 08/28/18 13:00	Received: 08/29/18 09:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 5030B/8260						
Acetone	ND	ug/L	20.0	1		09/02/18 05:17	67-64-1	
Acrolein	ND	ug/L	20.0	1		09/02/18 05:17	107-02-8	
Benzene	ND	ug/L	1.0	1		09/02/18 05:17	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		09/02/18 05:17	75-27-4	
Bromoform	ND	ug/L	1.0	1		09/02/18 05:17	75-25-2	
Bromomethane	ND	ug/L	2.0	1		09/02/18 05:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		09/02/18 05:17	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		09/02/18 05:17	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		09/02/18 05:17	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		09/02/18 05:17	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		09/02/18 05:17	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/02/18 05:17	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/02/18 05:17	108-90-7	
Chloroethane	ND	ug/L	2.0	1		09/02/18 05:17	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/02/18 05:17	67-66-3	
Chloromethane	ND	ug/L	2.0	1		09/02/18 05:17	74-87-3	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/02/18 05:17	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/02/18 05:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/02/18 05:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/02/18 05:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/02/18 05:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	1		09/02/18 05:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/02/18 05:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/02/18 05:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/02/18 05:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/18 05:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/18 05:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/02/18 05:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/02/18 05:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/02/18 05:17	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		09/02/18 05:17	100-41-4	
2-Hexanone	ND	ug/L	20.0	1		09/02/18 05:17	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/02/18 05:17	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/02/18 05:17	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		09/02/18 05:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	1		09/02/18 05:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		09/02/18 05:17	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		09/02/18 05:17	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/02/18 05:17	103-65-1	
Styrene	ND	ug/L	1.0	1		09/02/18 05:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/18 05:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/18 05:17	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/02/18 05:17	127-18-4	
Toluene	ND	ug/L	1.0	1		09/02/18 05:17	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/02/18 05:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/02/18 05:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/02/18 05:17	79-00-5	

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ANALYTICAL RESULTS

Project: LA305-LA313

Pace Project No.: 50204438

Sample: LA 307 (GW-3)		Lab ID: 50204438003	Collected: 08/28/18 13:00	Received: 08/29/18 09:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 5030B/8260						
Trichloroethene	ND	ug/L	1.0	1		09/02/18 05:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	1		09/02/18 05:17	75-69-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/02/18 05:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/02/18 05:17	108-67-8	
Vinyl acetate	ND	ug/L	20.0	1		09/02/18 05:17	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/02/18 05:17	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		09/02/18 05:17	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		09/02/18 05:17	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	105	%.	85-111	1		09/02/18 05:17	460-00-4	
Dibromofluoromethane (S)	111	%.	89-116	1		09/02/18 05:17	1868-53-7	
Toluene-d8 (S)	105	%.	87-110	1		09/02/18 05:17	2037-26-5	
Tentatively Identified Compounds								
Unknown	156J	ug/L		1		09/02/18 05:17		
Unknown	4.4J	ug/L		1		09/02/18 05:17		
Unknown	21.1J	ug/L		1		09/02/18 05:17		
Unknown	3.8J	ug/L		1		09/02/18 05:17		

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ANALYTICAL RESULTS

Project: LA305-LA313

Pace Project No.: 50204438

Sample: LA 308 (RUG-1)	Lab ID: 50204438004	Collected: 08/28/18 16:00	Received: 08/29/18 09:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 5030B/8260						
Acetone	ND	ug/L	20.0	1		09/02/18 05:42	67-64-1	
Acrolein	ND	ug/L	20.0	1		09/02/18 05:42	107-02-8	
Benzene	ND	ug/L	1.0	1		09/02/18 05:42	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		09/02/18 05:42	75-27-4	
Bromoform	ND	ug/L	1.0	1		09/02/18 05:42	75-25-2	
Bromomethane	ND	ug/L	2.0	1		09/02/18 05:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		09/02/18 05:42	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		09/02/18 05:42	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		09/02/18 05:42	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		09/02/18 05:42	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		09/02/18 05:42	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/02/18 05:42	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/02/18 05:42	108-90-7	
Chloroethane	ND	ug/L	2.0	1		09/02/18 05:42	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/02/18 05:42	67-66-3	
Chloromethane	ND	ug/L	2.0	1		09/02/18 05:42	74-87-3	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/02/18 05:42	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/02/18 05:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/02/18 05:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/02/18 05:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/02/18 05:42	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	1		09/02/18 05:42	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/02/18 05:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/02/18 05:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/02/18 05:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/18 05:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/18 05:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/02/18 05:42	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/02/18 05:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/02/18 05:42	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		09/02/18 05:42	100-41-4	
2-Hexanone	ND	ug/L	20.0	1		09/02/18 05:42	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/02/18 05:42	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/02/18 05:42	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		09/02/18 05:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	1		09/02/18 05:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		09/02/18 05:42	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		09/02/18 05:42	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/02/18 05:42	103-65-1	
Styrene	ND	ug/L	1.0	1		09/02/18 05:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/18 05:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/18 05:42	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/02/18 05:42	127-18-4	
Toluene	ND	ug/L	1.0	1		09/02/18 05:42	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/02/18 05:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/02/18 05:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/02/18 05:42	79-00-5	

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ANALYTICAL RESULTS

Project: LA305-LA313

Pace Project No.: 50204438

Sample: LA 308 (RUG-1)		Lab ID: 50204438004	Collected: 08/28/18 16:00	Received: 08/29/18 09:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 5030B/8260						
Trichloroethene	ND	ug/L	1.0	1		09/02/18 05:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	1		09/02/18 05:42	75-69-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/02/18 05:42	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/02/18 05:42	108-67-8	
Vinyl acetate	ND	ug/L	20.0	1		09/02/18 05:42	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/02/18 05:42	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		09/02/18 05:42	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		09/02/18 05:42	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	106	%.	85-111	1		09/02/18 05:42	460-00-4	
Dibromofluoromethane (S)	111	%.	89-116	1		09/02/18 05:42	1868-53-7	
Toluene-d8 (S)	104	%.	87-110	1		09/02/18 05:42	2037-26-5	
Tentatively Identified Compounds								
Unknown	155J	ug/L		1		09/02/18 05:42		
Unknown	61.6J	ug/L		1		09/02/18 05:42		
Unknown	4.1J	ug/L		1		09/02/18 05:42		

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ANALYTICAL RESULTS

Project: LA305-LA313

Pace Project No.: 50204438

Sample: LA 309 (RUG-2)	Lab ID: 50204438005	Collected: 08/28/18 16:05	Received: 08/29/18 09:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 5030B/8260						
Acetone	ND	ug/L	20.0	1		09/02/18 06:06	67-64-1	
Acrolein	ND	ug/L	20.0	1		09/02/18 06:06	107-02-8	
Benzene	ND	ug/L	1.0	1		09/02/18 06:06	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		09/02/18 06:06	75-27-4	
Bromoform	ND	ug/L	1.0	1		09/02/18 06:06	75-25-2	
Bromomethane	ND	ug/L	2.0	1		09/02/18 06:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		09/02/18 06:06	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		09/02/18 06:06	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		09/02/18 06:06	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		09/02/18 06:06	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		09/02/18 06:06	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/02/18 06:06	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/02/18 06:06	108-90-7	
Chloroethane	ND	ug/L	2.0	1		09/02/18 06:06	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/02/18 06:06	67-66-3	
Chloromethane	ND	ug/L	2.0	1		09/02/18 06:06	74-87-3	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/02/18 06:06	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/02/18 06:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/02/18 06:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/02/18 06:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/02/18 06:06	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	1		09/02/18 06:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/02/18 06:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/02/18 06:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/02/18 06:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/18 06:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/18 06:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/02/18 06:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/02/18 06:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/02/18 06:06	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		09/02/18 06:06	100-41-4	
2-Hexanone	ND	ug/L	20.0	1		09/02/18 06:06	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/02/18 06:06	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/02/18 06:06	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		09/02/18 06:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	1		09/02/18 06:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		09/02/18 06:06	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		09/02/18 06:06	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/02/18 06:06	103-65-1	
Styrene	ND	ug/L	1.0	1		09/02/18 06:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/18 06:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/18 06:06	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/02/18 06:06	127-18-4	
Toluene	ND	ug/L	1.0	1		09/02/18 06:06	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/02/18 06:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/02/18 06:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/02/18 06:06	79-00-5	

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ANALYTICAL RESULTS

Project: LA305-LA313

Pace Project No.: 50204438

Sample: LA 309 (RUG-2)		Lab ID: 50204438005	Collected: 08/28/18 16:05	Received: 08/29/18 09:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 5030B/8260						
Trichloroethene	ND	ug/L	1.0	1		09/02/18 06:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	1		09/02/18 06:06	75-69-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/02/18 06:06	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/02/18 06:06	108-67-8	
Vinyl acetate	ND	ug/L	20.0	1		09/02/18 06:06	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/02/18 06:06	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		09/02/18 06:06	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		09/02/18 06:06	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	104	%.	85-111	1		09/02/18 06:06	460-00-4	
Dibromofluoromethane (S)	111	%.	89-116	1		09/02/18 06:06	1868-53-7	
Toluene-d8 (S)	103	%.	87-110	1		09/02/18 06:06	2037-26-5	
Tentatively Identified Compounds								
Unknown	158J	ug/L		1		09/02/18 06:06		
Unknown	3.3J	ug/L		1		09/02/18 06:06		
Unknown	21.9J	ug/L		1		09/02/18 06:06		

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ANALYTICAL RESULTS

Project: LA305-LA313

Pace Project No.: 50204438

Sample: LA 310 (TB)	Lab ID: 50204438006	Collected: 08/28/18 08:00	Received: 08/29/18 09:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 5030B/8260						
Acetone	ND	ug/L	20.0	1		09/02/18 06:30	67-64-1	
Acrolein	ND	ug/L	20.0	1		09/02/18 06:30	107-02-8	
Benzene	ND	ug/L	1.0	1		09/02/18 06:30	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		09/02/18 06:30	75-27-4	
Bromoform	ND	ug/L	1.0	1		09/02/18 06:30	75-25-2	
Bromomethane	ND	ug/L	2.0	1		09/02/18 06:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		09/02/18 06:30	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		09/02/18 06:30	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		09/02/18 06:30	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		09/02/18 06:30	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		09/02/18 06:30	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/02/18 06:30	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/02/18 06:30	108-90-7	
Chloroethane	ND	ug/L	2.0	1		09/02/18 06:30	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/02/18 06:30	67-66-3	
Chloromethane	ND	ug/L	2.0	1		09/02/18 06:30	74-87-3	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/02/18 06:30	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/02/18 06:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/02/18 06:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/02/18 06:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/02/18 06:30	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	1		09/02/18 06:30	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/02/18 06:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/02/18 06:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/02/18 06:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/18 06:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/18 06:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/02/18 06:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/02/18 06:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/02/18 06:30	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		09/02/18 06:30	100-41-4	
2-Hexanone	ND	ug/L	20.0	1		09/02/18 06:30	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/02/18 06:30	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/02/18 06:30	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		09/02/18 06:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	1		09/02/18 06:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		09/02/18 06:30	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		09/02/18 06:30	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/02/18 06:30	103-65-1	
Styrene	ND	ug/L	1.0	1		09/02/18 06:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/18 06:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/18 06:30	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/02/18 06:30	127-18-4	
Toluene	ND	ug/L	1.0	1		09/02/18 06:30	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/02/18 06:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/02/18 06:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/02/18 06:30	79-00-5	

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ANALYTICAL RESULTS

Project: LA305-LA313

Pace Project No.: 50204438

Sample: LA 310 (TB)		Lab ID: 50204438006	Collected: 08/28/18 08:00	Received: 08/29/18 09:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 5030B/8260						
Trichloroethene	ND	ug/L	1.0	1		09/02/18 06:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	1		09/02/18 06:30	75-69-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/02/18 06:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/02/18 06:30	108-67-8	
Vinyl acetate	ND	ug/L	20.0	1		09/02/18 06:30	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/02/18 06:30	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		09/02/18 06:30	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		09/02/18 06:30	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	107	%.	85-111	1		09/02/18 06:30	460-00-4	
Dibromofluoromethane (S)	111	%.	89-116	1		09/02/18 06:30	1868-53-7	
Toluene-d8 (S)	102	%.	87-110	1		09/02/18 06:30	2037-26-5	
Tentatively Identified Compounds								
Unknown	49.9J	ug/L		1		09/02/18 06:30		
Unknown	20.9J	ug/L		1		09/02/18 06:30		

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ANALYTICAL RESULTS

Project: LA305-LA313

Pace Project No.: 50204438

Sample: LA 312 (RUG-1S) **Lab ID: 50204438007** Collected: 08/28/18 15:40 Received: 08/29/18 09:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	97.0	1		09/05/18 00:31	67-64-1	
Acrolein	ND	ug/kg	97.0	1		09/05/18 00:31	107-02-8	
Benzene	ND	ug/kg	4.9	1		09/05/18 00:31	71-43-2	
Bromodichloromethane	ND	ug/kg	4.9	1		09/05/18 00:31	75-27-4	
Bromoform	ND	ug/kg	4.9	1		09/05/18 00:31	75-25-2	
Bromomethane	ND	ug/kg	4.9	1		09/05/18 00:31	74-83-9	
2-Butanone (MEK)	ND	ug/kg	24.3	1		09/05/18 00:31	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1		09/05/18 00:31	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1		09/05/18 00:31	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	1		09/05/18 00:31	98-06-6	
Carbon disulfide	ND	ug/kg	9.7	1		09/05/18 00:31	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.9	1		09/05/18 00:31	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1		09/05/18 00:31	108-90-7	
Chloroethane	ND	ug/kg	4.9	1		09/05/18 00:31	75-00-3	
Chloroform	ND	ug/kg	4.9	1		09/05/18 00:31	67-66-3	
Chloromethane	ND	ug/kg	4.9	1		09/05/18 00:31	74-87-3	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1		09/05/18 00:31	106-93-4	
Dibromomethane	ND	ug/kg	4.9	1		09/05/18 00:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1		09/05/18 00:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1		09/05/18 00:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1		09/05/18 00:31	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	4.9	1		09/05/18 00:31	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1		09/05/18 00:31	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	1		09/05/18 00:31	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1		09/05/18 00:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1		09/05/18 00:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1		09/05/18 00:31	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1		09/05/18 00:31	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1		09/05/18 00:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1		09/05/18 00:31	10061-02-6	
Ethylbenzene	ND	ug/kg	4.9	1		09/05/18 00:31	100-41-4	
2-Hexanone	ND	ug/kg	97.0	1		09/05/18 00:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1		09/05/18 00:31	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1		09/05/18 00:31	99-87-6	
Methylene Chloride	ND	ug/kg	19.4	1		09/05/18 00:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	24.3	1		09/05/18 00:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1		09/05/18 00:31	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1		09/05/18 00:31	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1		09/05/18 00:31	103-65-1	
Styrene	ND	ug/kg	4.9	1		09/05/18 00:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	1		09/05/18 00:31	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1		09/05/18 00:31	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1		09/05/18 00:31	127-18-4	
Toluene	ND	ug/kg	4.9	1		09/05/18 00:31	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1		09/05/18 00:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1		09/05/18 00:31	71-55-6	

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ANALYTICAL RESULTS

Project: LA305-LA313

Pace Project No.: 50204438

Sample: LA 312 (RUG-1S) **Lab ID: 50204438007** Collected: 08/28/18 15:40 Received: 08/29/18 09:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
1,1,2-Trichloroethane	ND	ug/kg	4.9	1		09/05/18 00:31	79-00-5	
Trichloroethene	ND	ug/kg	4.9	1		09/05/18 00:31	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	1		09/05/18 00:31	75-69-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	1		09/05/18 00:31	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1		09/05/18 00:31	108-67-8	
Vinyl acetate	ND	ug/kg	97.0	1		09/05/18 00:31	108-05-4	M1
Vinyl chloride	ND	ug/kg	4.9	1		09/05/18 00:31	75-01-4	
m&p-Xylene	ND	ug/kg	4.9	1		09/05/18 00:31	179601-23-1	
o-Xylene	ND	ug/kg	4.9	1		09/05/18 00:31	95-47-6	
Surrogates								
Dibromofluoromethane (S)	107	%	80-127	1		09/05/18 00:31	1868-53-7	
Toluene-d8 (S)	100	%	72-136	1		09/05/18 00:31	2037-26-5	
4-Bromofluorobenzene (S)	96	%	57-130	1		09/05/18 00:31	460-00-4	
Percent Moisture		Analytical Method: SM 2540G						
Percent Moisture	17.5	%	0.10	1		08/31/18 08:55		

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ANALYTICAL RESULTS

Project: LA305-LA313

Pace Project No.: 50204438

Sample: LA 313 (RUG-2S) Lab ID: 50204438008 Collected: 08/28/18 15:45 Received: 08/29/18 09:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	99.8	1		09/05/18 14:21	67-64-1	M5
Acrolein	ND	ug/kg	99.8	1		09/05/18 14:21	107-02-8	M5
Benzene	ND	ug/kg	5.0	1		09/05/18 14:21	71-43-2	M5
Bromodichloromethane	ND	ug/kg	5.0	1		09/05/18 14:21	75-27-4	M5
Bromoform	ND	ug/kg	5.0	1		09/05/18 14:21	75-25-2	M5
Bromomethane	ND	ug/kg	5.0	1		09/05/18 14:21	74-83-9	M5
2-Butanone (MEK)	ND	ug/kg	24.9	1		09/05/18 14:21	78-93-3	M5
n-Butylbenzene	ND	ug/kg	5.0	1		09/05/18 14:21	104-51-8	M5
sec-Butylbenzene	ND	ug/kg	5.0	1		09/05/18 14:21	135-98-8	M5
tert-Butylbenzene	ND	ug/kg	5.0	1		09/05/18 14:21	98-06-6	M5
Carbon disulfide	ND	ug/kg	10	1		09/05/18 14:21	75-15-0	M5
Carbon tetrachloride	ND	ug/kg	5.0	1		09/05/18 14:21	56-23-5	M5
Chlorobenzene	ND	ug/kg	5.0	1		09/05/18 14:21	108-90-7	M5
Chloroethane	ND	ug/kg	5.0	1		09/05/18 14:21	75-00-3	M5
Chloroform	ND	ug/kg	5.0	1		09/05/18 14:21	67-66-3	M5
Chloromethane	ND	ug/kg	5.0	1		09/05/18 14:21	74-87-3	M5
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1		09/05/18 14:21	106-93-4	L2,M5
Dibromomethane	ND	ug/kg	5.0	1		09/05/18 14:21	74-95-3	M5
1,2-Dichlorobenzene	ND	ug/kg	5.0	1		09/05/18 14:21	95-50-1	M5
1,3-Dichlorobenzene	ND	ug/kg	5.0	1		09/05/18 14:21	541-73-1	M5
1,4-Dichlorobenzene	ND	ug/kg	5.0	1		09/05/18 14:21	106-46-7	M5
Dichlorodifluoromethane	ND	ug/kg	5.0	1		09/05/18 14:21	75-71-8	M5
1,1-Dichloroethane	ND	ug/kg	5.0	1		09/05/18 14:21	75-34-3	M5
1,2-Dichloroethane	ND	ug/kg	5.0	1		09/05/18 14:21	107-06-2	M5
1,1-Dichloroethene	ND	ug/kg	5.0	1		09/05/18 14:21	75-35-4	M5
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1		09/05/18 14:21	156-59-2	M5
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1		09/05/18 14:21	156-60-5	M5
1,2-Dichloropropane	ND	ug/kg	5.0	1		09/05/18 14:21	78-87-5	M5
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1		09/05/18 14:21	10061-01-5	M5
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1		09/05/18 14:21	10061-02-6	M5
Ethylbenzene	ND	ug/kg	5.0	1		09/05/18 14:21	100-41-4	M5
2-Hexanone	ND	ug/kg	99.8	1		09/05/18 14:21	591-78-6	M5
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1		09/05/18 14:21	98-82-8	M5
p-Isopropyltoluene	ND	ug/kg	5.0	1		09/05/18 14:21	99-87-6	M5
Methylene Chloride	ND	ug/kg	20.0	1		09/05/18 14:21	75-09-2	M5
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	24.9	1		09/05/18 14:21	108-10-1	M5
Methyl-tert-butyl ether	ND	ug/kg	5.0	1		09/05/18 14:21	1634-04-4	M5
Naphthalene	ND	ug/kg	5.0	1		09/05/18 14:21	91-20-3	M5
n-Propylbenzene	ND	ug/kg	5.0	1		09/05/18 14:21	103-65-1	M5
Styrene	ND	ug/kg	5.0	1		09/05/18 14:21	100-42-5	M5
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1		09/05/18 14:21	630-20-6	M5
1,1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1		09/05/18 14:21	79-34-5	M5
Tetrachloroethene	ND	ug/kg	5.0	1		09/05/18 14:21	127-18-4	M5
Toluene	ND	ug/kg	5.0	1		09/05/18 14:21	108-88-3	M5
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1		09/05/18 14:21	120-82-1	M5
1,1,1-Trichloroethane	ND	ug/kg	5.0	1		09/05/18 14:21	71-55-6	M5

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LA305-LA313

Pace Project No.: 50204438

Sample: LA 313 (RUG-2S) **Lab ID: 50204438008** Collected: 08/28/18 15:45 Received: 08/29/18 09:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
1,1,2-Trichloroethane	ND	ug/kg	5.0	1		09/05/18 14:21	79-00-5	M5
Trichloroethene	ND	ug/kg	5.0	1		09/05/18 14:21	79-01-6	M5
Trichlorofluoromethane	ND	ug/kg	5.0	1		09/05/18 14:21	75-69-4	M5
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1		09/05/18 14:21	95-63-6	M5
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1		09/05/18 14:21	108-67-8	M5
Vinyl acetate	ND	ug/kg	99.8	1		09/05/18 14:21	108-05-4	M5
Vinyl chloride	ND	ug/kg	5.0	1		09/05/18 14:21	75-01-4	M5
m&p-Xylene	ND	ug/kg	5.0	1		09/05/18 14:21	179601-23-1	M5
o-Xylene	ND	ug/kg	5.0	1		09/05/18 14:21	95-47-6	M5
Surrogates								
Dibromofluoromethane (S)	109	%	80-127	1		09/05/18 14:21	1868-53-7	M5
Toluene-d8 (S)	102	%	72-136	1		09/05/18 14:21	2037-26-5	M5
4-Bromofluorobenzene (S)	91	%	57-130	1		09/05/18 14:21	460-00-4	M5
Percent Moisture		Analytical Method: SM 2540G						
Percent Moisture	14.8	%	0.10	1		08/31/18 08:56		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LA305-LA313
Pace Project No.: 50204438

QC Batch: 459757 Analysis Method: EPA 5030B/8260
QC Batch Method: EPA 5030B/8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 50204438001, 50204438002, 50204438003, 50204438004, 50204438005, 50204438006

METHOD BLANK: 2121944 Matrix: Water
Associated Lab Samples: 50204438001, 50204438002, 50204438003, 50204438004, 50204438005, 50204438006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	09/02/18 04:04	
1,1,1-Trichloroethane	ug/L	ND	1.0	09/02/18 04:04	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	09/02/18 04:04	
1,1,2-Trichloroethane	ug/L	ND	1.0	09/02/18 04:04	
1,1-Dichloroethane	ug/L	ND	1.0	09/02/18 04:04	
1,1-Dichloroethene	ug/L	ND	1.0	09/02/18 04:04	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	09/02/18 04:04	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	09/02/18 04:04	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	09/02/18 04:04	
1,2-Dichlorobenzene	ug/L	ND	1.0	09/02/18 04:04	
1,2-Dichloroethane	ug/L	ND	1.0	09/02/18 04:04	
1,2-Dichloropropane	ug/L	ND	1.0	09/02/18 04:04	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	09/02/18 04:04	
1,3-Dichlorobenzene	ug/L	ND	1.0	09/02/18 04:04	
1,4-Dichlorobenzene	ug/L	ND	1.0	09/02/18 04:04	
2-Butanone (MEK)	ug/L	ND	20.0	09/02/18 04:04	
2-Hexanone	ug/L	ND	20.0	09/02/18 04:04	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20.0	09/02/18 04:04	
Acetone	ug/L	ND	20.0	09/02/18 04:04	
Acrolein	ug/L	ND	20.0	09/02/18 04:04	
Benzene	ug/L	ND	1.0	09/02/18 04:04	
Bromodichloromethane	ug/L	ND	1.0	09/02/18 04:04	
Bromoform	ug/L	ND	1.0	09/02/18 04:04	
Bromomethane	ug/L	ND	2.0	09/02/18 04:04	
Carbon disulfide	ug/L	ND	5.0	09/02/18 04:04	
Carbon tetrachloride	ug/L	ND	1.0	09/02/18 04:04	
Chlorobenzene	ug/L	ND	1.0	09/02/18 04:04	
Chloroethane	ug/L	ND	2.0	09/02/18 04:04	
Chloroform	ug/L	ND	1.0	09/02/18 04:04	
Chloromethane	ug/L	ND	2.0	09/02/18 04:04	
cis-1,2-Dichloroethene	ug/L	ND	1.0	09/02/18 04:04	
cis-1,3-Dichloropropene	ug/L	ND	1.0	09/02/18 04:04	
Dibromomethane	ug/L	ND	1.0	09/02/18 04:04	
Dichlorodifluoromethane	ug/L	ND	2.0	09/02/18 04:04	
Ethylbenzene	ug/L	ND	1.0	09/02/18 04:04	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	09/02/18 04:04	
m&p-Xylene	ug/L	ND	2.0	09/02/18 04:04	
Methyl-tert-butyl ether	ug/L	ND	4.0	09/02/18 04:04	
Methylene Chloride	ug/L	ND	5.0	09/02/18 04:04	
n-Butylbenzene	ug/L	ND	1.0	09/02/18 04:04	
n-Propylbenzene	ug/L	ND	1.0	09/02/18 04:04	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LA305-LA313

Pace Project No.: 50204438

METHOD BLANK: 2121944

Matrix: Water

Associated Lab Samples: 50204438001, 50204438002, 50204438003, 50204438004, 50204438005, 50204438006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Naphthalene	ug/L	ND	1.0	09/02/18 04:04	
o-Xylene	ug/L	ND	1.0	09/02/18 04:04	
p-Isopropyltoluene	ug/L	ND	1.0	09/02/18 04:04	
sec-Butylbenzene	ug/L	ND	1.0	09/02/18 04:04	
Styrene	ug/L	ND	1.0	09/02/18 04:04	
tert-Butylbenzene	ug/L	ND	1.0	09/02/18 04:04	
Tetrachloroethene	ug/L	ND	1.0	09/02/18 04:04	
Toluene	ug/L	ND	1.0	09/02/18 04:04	
trans-1,2-Dichloroethene	ug/L	ND	1.0	09/02/18 04:04	
trans-1,3-Dichloropropene	ug/L	ND	1.0	09/02/18 04:04	
Trichloroethene	ug/L	ND	1.0	09/02/18 04:04	
Trichlorofluoromethane	ug/L	ND	2.0	09/02/18 04:04	
Vinyl acetate	ug/L	ND	20.0	09/02/18 04:04	
Vinyl chloride	ug/L	ND	1.0	09/02/18 04:04	
4-Bromofluorobenzene (S)	%	107	85-111	09/02/18 04:04	
Dibromofluoromethane (S)	%	107	89-116	09/02/18 04:04	
Toluene-d8 (S)	%	105	87-110	09/02/18 04:04	

LABORATORY CONTROL SAMPLE: 2121945

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.0	100	80-120	
1,1,1-Trichloroethane	ug/L	50	52.2	104	74-126	
1,1,2,2-Tetrachloroethane	ug/L	50	43.8	88	73-117	
1,1,2-Trichloroethane	ug/L	50	54.3	109	74-119	
1,1-Dichloroethane	ug/L	50	48.8	98	72-119	
1,1-Dichloroethene	ug/L	50	47.7	95	72-123	
1,2,4-Trichlorobenzene	ug/L	50	48.1	96	70-125	
1,2,4-Trimethylbenzene	ug/L	50	48.2	96	76-118	
1,2-Dibromoethane (EDB)	ug/L	50	52.1	104	80-120	
1,2-Dichlorobenzene	ug/L	50	49.6	99	77-117	
1,2-Dichloroethane	ug/L	50	47.9	96	69-122	
1,2-Dichloropropane	ug/L	50	47.0	94	75-124	
1,3,5-Trimethylbenzene	ug/L	50	46.0	92	75-117	
1,3-Dichlorobenzene	ug/L	50	49.5	99	76-116	
1,4-Dichlorobenzene	ug/L	50	49.8	100	74-115	
2-Butanone (MEK)	ug/L	250	273	109	72-147	
2-Hexanone	ug/L	250	216	86	71-132	
4-Methyl-2-pentanone (MIBK)	ug/L	250	232	93	89-128	
Acetone	ug/L	250	253	101	46-170	
Acrolein	ug/L	1000	1040	104	13-200	
Benzene	ug/L	50	48.3	97	78-117	
Bromodichloromethane	ug/L	50	43.9	88	76-120	
Bromoform	ug/L	50	43.6	87	70-124	

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QUALITY CONTROL DATA

Project: LA305-LA313

Pace Project No.: 50204438

LABORATORY CONTROL SAMPLE: 2121945

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	50.5	101	29-181	
Carbon disulfide	ug/L	50	47.3	95	66-123	
Carbon tetrachloride	ug/L	50	49.3	99	73-132	
Chlorobenzene	ug/L	50	51.2	102	79-112	
Chloroethane	ug/L	50	50.5	101	59-156	
Chloroform	ug/L	50	46.4	93	76-118	
Chloromethane	ug/L	50	33.5	67	45-142	
cis-1,2-Dichloroethene	ug/L	50	48.2	96	75-117	
cis-1,3-Dichloropropene	ug/L	50	46.5	93	77-120	
Dibromomethane	ug/L	50	51.6	103	78-122	
Dichlorodifluoromethane	ug/L	50	59.3	119	41-168	
Ethylbenzene	ug/L	50	49.6	99	80-118	
Isopropylbenzene (Cumene)	ug/L	50	48.0	96	81-117	
m&p-Xylene	ug/L	100	96.9	97	78-118	
Methyl-tert-butyl ether	ug/L	50	51.0	102	71-124	
Methylene Chloride	ug/L	50	51.4	103	59-136	
n-Butylbenzene	ug/L	50	45.2	90	72-118	
n-Propylbenzene	ug/L	50	48.9	98	75-120	
Naphthalene	ug/L	50	50.7	101	67-126	
o-Xylene	ug/L	50	51.3	103	78-118	
p-Isopropyltoluene	ug/L	50	51.5	103	75-115	
sec-Butylbenzene	ug/L	50	49.1	98	76-120	
Styrene	ug/L	50	49.8	100	74-121	
tert-Butylbenzene	ug/L	50	43.2	86	55-109	
Tetrachloroethene	ug/L	50	51.3	103	76-116	
Toluene	ug/L	50	45.7	91	77-115	
trans-1,2-Dichloroethene	ug/L	50	48.2	96	75-121	
trans-1,3-Dichloropropene	ug/L	50	45.5	91	77-121	
Trichloroethene	ug/L	50	46.2	92	76-120	
Trichlorofluoromethane	ug/L	50	47.2	94	81-141	
Vinyl acetate	ug/L	200	175	87	67-131	
Vinyl chloride	ug/L	50	44.3	89	64-155	
4-Bromofluorobenzene (S)	%			105	85-111	
Dibromofluoromethane (S)	%			112	89-116	
Toluene-d8 (S)	%			104	87-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2121946 2121947

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		50204438001 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	51.9	49.4	104	99	48-138	5	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	56.3	51.9	113	104	50-141	8	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	45.0	42.5	90	85	52-131	6	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	55.7	52.9	111	106	53-131	5	20	
1,1-Dichloroethane	ug/L	ND	50	50	51.1	49.1	102	98	51-130	4	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LA305-LA313

Pace Project No.: 50204438

Parameter	Units	2121946		2121947		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		50204438001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,1-Dichloroethene	ug/L	ND	50	50	51.8	50.4	104	101	51-138	3	20		
1,2,4-Trichlorobenzene	ug/L	ND	50	50	47.0	46.5	94	93	20-142	1	20		
1,2,4-Trimethylbenzene	ug/L	ND	50	50	50.7	49.0	101	98	19-148	4	20		
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	52.6	50.6	105	101	57-134	4	20		
1,2-Dichlorobenzene	ug/L	ND	50	50	51.4	49.0	103	98	30-142	5	20		
1,2-Dichloroethane	ug/L	ND	50	50	49.7	46.8	99	94	46-139	6	20		
1,2-Dichloropropane	ug/L	ND	50	50	51.0	48.4	102	97	54-135	5	20		
1,3,5-Trimethylbenzene	ug/L	ND	50	50	49.0	46.3	98	93	16-149	6	20		
1,3-Dichlorobenzene	ug/L	ND	50	50	52.4	50.0	105	100	24-142	5	20		
1,4-Dichlorobenzene	ug/L	ND	50	50	51.5	48.9	103	98	24-140	5	20		
2-Butanone (MEK)	ug/L	ND	250	250	248	236	99	94	49-156	5	20		
2-Hexanone	ug/L	ND	250	250	206	194	82	77	53-140	6	20		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	215	216	86	87	50-139	1	20		
Acetone	ug/L	ND	250	250	232	230	93	92	34-160	1	20		
Acrolein	ug/L	ND	1000	1000	746	729	75	73	30-178	2	20		
Benzene	ug/L	ND	50	50	51.6	49.1	103	98	50-135	5	20		
Bromodichloromethane	ug/L	ND	50	50	46.8	45.2	94	90	50-135	4	20		
Bromoform	ug/L	ND	50	50	44.5	41.7	89	83	43-133	6	20		
Bromomethane	ug/L	ND	50	50	34.2	38.0	68	76	15-170	11	20		
Carbon disulfide	ug/L	ND	50	50	49.2	48.8	98	98	36-139	1	20		
Carbon tetrachloride	ug/L	ND	50	50	53.1	49.0	106	98	43-151	8	20		
Chlorobenzene	ug/L	ND	50	50	53.6	51.0	107	102	39-135	5	20		
Chloroethane	ug/L	ND	50	50	54.4	52.6	109	105	42-165	3	20		
Chloroform	ug/L	ND	50	50	48.7	45.8	97	92	52-134	6	20		
Chloromethane	ug/L	ND	50	50	33.1	33.6	66	67	33-146	1	20		
cis-1,2-Dichloroethene	ug/L	ND	50	50	50.3	48.4	101	97	48-133	4	20		
cis-1,3-Dichloropropene	ug/L	ND	50	50	46.3	44.5	93	89	46-131	4	20		
Dibromomethane	ug/L	ND	50	50	52.8	49.5	106	99	55-137	7	20		
Dichlorodifluoromethane	ug/L	ND	50	50	62.1	62.6	124	125	29-178	1	20		
Ethylbenzene	ug/L	ND	50	50	51.4	49.7	103	99	31-147	3	20		
Isopropylbenzene (Cumene)	ug/L	ND	50	50	50.9	49.1	102	98	25-151	4	20		
m&p-Xylene	ug/L	ND	100	100	101	97.7	101	98	29-145	3	20		
Methyl-tert-butyl ether	ug/L	ND	50	50	52.5	49.5	105	99	51-142	6	20		
Methylene Chloride	ug/L	ND	50	50	51.6	48.6	103	97	41-142	6	20		
n-Butylbenzene	ug/L	ND	50	50	47.1	45.3	94	91	10-153	4	20		
n-Propylbenzene	ug/L	ND	50	50	49.3	48.9	99	98	16-153	1	20		
Naphthalene	ug/L	ND	50	50	49.8	48.2	100	96	40-135	3	20		
o-Xylene	ug/L	ND	50	50	53.1	51.1	106	102	29-145	4	20		
p-Isopropyltoluene	ug/L	ND	50	50	53.2	51.8	106	104	11-150	3	20		
sec-Butylbenzene	ug/L	ND	50	50	52.1	50.6	104	101	11-157	3	20		
Styrene	ug/L	ND	50	50	51.7	50.2	103	100	28-142	3	20		
tert-Butylbenzene	ug/L	ND	50	50	46.6	44.0	93	88	11-132	6	20		
Tetrachloroethene	ug/L	ND	50	50	52.9	51.4	106	103	34-140	3	20		
Toluene	ug/L	ND	50	50	47.2	45.6	94	91	43-134	4	20		
trans-1,2-Dichloroethene	ug/L	ND	50	50	50.4	49.5	101	99	51-135	2	20		

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QUALITY CONTROL DATA

Project: LA305-LA313

Pace Project No.: 50204438

Parameter	Units	2121946		2121947		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		50204438001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
trans-1,3-Dichloropropene	ug/L	ND	50	50	45.4	42.6	91	85	44-133	6	20	
Trichloroethene	ug/L	ND	50	50	48.9	46.4	98	93	40-141	5	20	
Trichlorofluoromethane	ug/L	ND	50	50	50.3	50.3	101	101	56-162	0	20	
Vinyl acetate	ug/L	ND	200	200	103	91.7	51	46	11-134	12	20	
Vinyl chloride	ug/L	ND	50	50	45.2	44.0	90	88	46-164	3	20	
4-Bromofluorobenzene (S)	%.						105	108	85-111			
Dibromofluoromethane (S)	%.						110	110	89-116			
Toluene-d8 (S)	%.						103	104	87-110			

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QUALITY CONTROL DATA

Project: LA305-LA313

Pace Project No.: 50204438

QC Batch: 459909

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 5035A Volatile Organics

Associated Lab Samples: 50204438007

METHOD BLANK: 2122398

Matrix: Solid

Associated Lab Samples: 50204438007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	09/04/18 23:53	
1,1,1-Trichloroethane	ug/kg	ND	5.0	09/04/18 23:53	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	09/04/18 23:53	
1,1,2-Trichloroethane	ug/kg	ND	5.0	09/04/18 23:53	
1,1-Dichloroethane	ug/kg	ND	5.0	09/04/18 23:53	
1,1-Dichloroethene	ug/kg	ND	5.0	09/04/18 23:53	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	09/04/18 23:53	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	09/04/18 23:53	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	09/04/18 23:53	
1,2-Dichlorobenzene	ug/kg	ND	5.0	09/04/18 23:53	
1,2-Dichloroethane	ug/kg	ND	5.0	09/04/18 23:53	
1,2-Dichloropropane	ug/kg	ND	5.0	09/04/18 23:53	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	09/04/18 23:53	
1,3-Dichlorobenzene	ug/kg	ND	5.0	09/04/18 23:53	
1,4-Dichlorobenzene	ug/kg	ND	5.0	09/04/18 23:53	
2-Butanone (MEK)	ug/kg	ND	25.0	09/04/18 23:53	
2-Hexanone	ug/kg	ND	100	09/04/18 23:53	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	09/04/18 23:53	
Acetone	ug/kg	ND	100	09/04/18 23:53	
Acrolein	ug/kg	ND	100	09/04/18 23:53	
Benzene	ug/kg	ND	5.0	09/04/18 23:53	
Bromodichloromethane	ug/kg	ND	5.0	09/04/18 23:53	
Bromoform	ug/kg	ND	5.0	09/04/18 23:53	
Bromomethane	ug/kg	ND	5.0	09/04/18 23:53	
Carbon disulfide	ug/kg	ND	10.0	09/04/18 23:53	
Carbon tetrachloride	ug/kg	ND	5.0	09/04/18 23:53	
Chlorobenzene	ug/kg	ND	5.0	09/04/18 23:53	
Chloroethane	ug/kg	ND	5.0	09/04/18 23:53	
Chloroform	ug/kg	ND	5.0	09/04/18 23:53	
Chloromethane	ug/kg	ND	5.0	09/04/18 23:53	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	09/04/18 23:53	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	09/04/18 23:53	
Dibromomethane	ug/kg	ND	5.0	09/04/18 23:53	
Dichlorodifluoromethane	ug/kg	ND	5.0	09/04/18 23:53	
Ethylbenzene	ug/kg	ND	5.0	09/04/18 23:53	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	09/04/18 23:53	
m&p-Xylene	ug/kg	ND	5.0	09/04/18 23:53	
Methyl-tert-butyl ether	ug/kg	ND	5.0	09/04/18 23:53	
Methylene Chloride	ug/kg	ND	20.0	09/04/18 23:53	
n-Butylbenzene	ug/kg	ND	5.0	09/04/18 23:53	
n-Propylbenzene	ug/kg	ND	5.0	09/04/18 23:53	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LA305-LA313

Pace Project No.: 50204438

METHOD BLANK: 2122398

Matrix: Solid

Associated Lab Samples: 50204438007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Naphthalene	ug/kg	ND	5.0	09/04/18 23:53	
o-Xylene	ug/kg	ND	5.0	09/04/18 23:53	
p-Isopropyltoluene	ug/kg	ND	5.0	09/04/18 23:53	
sec-Butylbenzene	ug/kg	ND	5.0	09/04/18 23:53	
Styrene	ug/kg	ND	5.0	09/04/18 23:53	
tert-Butylbenzene	ug/kg	ND	5.0	09/04/18 23:53	
Tetrachloroethene	ug/kg	ND	5.0	09/04/18 23:53	
Toluene	ug/kg	ND	5.0	09/04/18 23:53	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	09/04/18 23:53	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	09/04/18 23:53	
Trichloroethene	ug/kg	ND	5.0	09/04/18 23:53	
Trichlorofluoromethane	ug/kg	ND	5.0	09/04/18 23:53	
Vinyl acetate	ug/kg	ND	100	09/04/18 23:53	
Vinyl chloride	ug/kg	ND	5.0	09/04/18 23:53	
4-Bromofluorobenzene (S)	%	101	57-130	09/04/18 23:53	
Dibromofluoromethane (S)	%	106	80-127	09/04/18 23:53	
Toluene-d8 (S)	%	96	72-136	09/04/18 23:53	

LABORATORY CONTROL SAMPLE: 2122399

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	50.8	102	80-119	
1,1,1-Trichloroethane	ug/kg	50	51.4	103	71-123	
1,1,2,2-Tetrachloroethane	ug/kg	50	45.7	91	74-121	
1,1,2-Trichloroethane	ug/kg	50	48.8	98	76-115	
1,1-Dichloroethane	ug/kg	50	44.7	89	70-117	
1,1-Dichloroethene	ug/kg	50	47.6	95	71-125	
1,2,4-Trichlorobenzene	ug/kg	50	40.2	80	63-119	
1,2,4-Trimethylbenzene	ug/kg	50	46.8	94	73-111	
1,2-Dibromoethane (EDB)	ug/kg	50	43.9	88	82-120	
1,2-Dichlorobenzene	ug/kg	50	45.7	91	79-110	
1,2-Dichloroethane	ug/kg	50	47.7	95	69-119	
1,2-Dichloropropane	ug/kg	50	48.8	98	76-120	
1,3,5-Trimethylbenzene	ug/kg	50	48.8	98	74-108	
1,3-Dichlorobenzene	ug/kg	50	44.4	89	74-109	
1,4-Dichlorobenzene	ug/kg	50	42.9	86	74-109	
2-Butanone (MEK)	ug/kg	250	184	74	57-183	
2-Hexanone	ug/kg	250	211	84	56-156	
4-Methyl-2-pentanone (MIBK)	ug/kg	250	209	84	67-128	
Acetone	ug/kg	250	176	70	39-199	
Acrolein	ug/kg	1000	1110	111	24-200	
Benzene	ug/kg	50	48.5	97	77-117	
Bromodichloromethane	ug/kg	50	48.3	97	76-115	
Bromoform	ug/kg	50	48.5	97	69-125	

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QUALITY CONTROL DATA

Project: LA305-LA313

Pace Project No.: 50204438

LABORATORY CONTROL SAMPLE: 2122399

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/kg	50	37.7	75	30-174	
Carbon disulfide	ug/kg	50	43.8	88	64-122	
Carbon tetrachloride	ug/kg	50	50.3	101	70-126	
Chlorobenzene	ug/kg	50	47.4	95	77-111	
Chloroethane	ug/kg	50	45.3	91	50-149	
Chloroform	ug/kg	50	44.8	90	74-114	
Chloromethane	ug/kg	50	35.2	70	51-127	
cis-1,2-Dichloroethene	ug/kg	50	48.6	97	74-118	
cis-1,3-Dichloropropene	ug/kg	50	47.1	94	77-119	
Dibromomethane	ug/kg	50	51.0	102	79-118	
Dichlorodifluoromethane	ug/kg	50	48.2	96	39-160	
Ethylbenzene	ug/kg	50	47.6	95	73-114	
Isopropylbenzene (Cumene)	ug/kg	50	49.2	98	78-113	
m&p-Xylene	ug/kg	100	95.9	96	74-111	
Methyl-tert-butyl ether	ug/kg	50	49.9	100	75-119	
Methylene Chloride	ug/kg	50	45.3	91	45-153	
n-Butylbenzene	ug/kg	50	43.1	86	66-111	
n-Propylbenzene	ug/kg	50	46.4	93	74-112	
Naphthalene	ug/kg	50	44.4	89	70-115	
o-Xylene	ug/kg	50	50.7	101	74-111	
p-Isopropyltoluene	ug/kg	50	47.6	95	72-108	
sec-Butylbenzene	ug/kg	50	48.6	97	75-113	
Styrene	ug/kg	50	48.1	96	73-109	
tert-Butylbenzene	ug/kg	50	37.6	75	56-105	
Tetrachloroethene	ug/kg	50	45.9	92	72-117	
Toluene	ug/kg	50	46.8	94	77-111	
trans-1,2-Dichloroethene	ug/kg	50	47.3	95	73-121	
trans-1,3-Dichloropropene	ug/kg	50	39.9	80	76-121	
Trichloroethene	ug/kg	50	49.5	99	73-119	
Trichlorofluoromethane	ug/kg	50	47.4	95	72-147	
Vinyl acetate	ug/kg	200	179	90	59-139	
Vinyl chloride	ug/kg	50	47.3	95	57-160	
4-Bromofluorobenzene (S)	%			102	57-130	
Dibromofluoromethane (S)	%			96	80-127	
Toluene-d8 (S)	%			98	72-136	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2122400 2122401

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		50204438007	Spike Conc.	Spike Conc.	MS Result								
1,1,1,2-Tetrachloroethane	ug/kg	ND	47.1	48.1	47.3	45.7	100	95	34-148	4	20		
1,1,1-Trichloroethane	ug/kg	ND	47.1	48.1	51.5	51.3	109	107	51-139	0	20		
1,1,2,2-Tetrachloroethane	ug/kg	ND	47.1	48.1	39.8	40.9	84	85	22-173	3	20		
1,1,2-Trichloroethane	ug/kg	ND	47.1	48.1	44.7	44.8	95	93	40-142	0	20		
1,1-Dichloroethane	ug/kg	ND	47.1	48.1	43.7	44.3	93	92	54-130	1	20		

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QUALITY CONTROL DATA

Project: LA305-LA313

Pace Project No.: 50204438

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		2122400		2122401								
Parameter	Units	50204438007		MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	
1,1-Dichloroethene	ug/kg	ND	47.1	47.1	48.1	52.2	53.7	111	111	52-144	3	20
1,2,4-Trichlorobenzene	ug/kg	ND	47.1	47.1	48.1	27.8	25.3	59	53	10-119	9	20
1,2,4-Trimethylbenzene	ug/kg	ND	47.1	47.1	48.1	50.3	50.8	107	105	10-163	1	20
1,2-Dibromoethane (EDB)	ug/kg	ND	47.1	47.1	48.1	38.6	38.7	82	80	40-144	0	20
1,2-Dichlorobenzene	ug/kg	ND	47.1	47.1	48.1	39.9	38.2	85	79	10-143	4	20
1,2-Dichloroethane	ug/kg	ND	47.1	47.1	48.1	44.8	43.2	95	90	48-128	4	20
1,2-Dichloropropane	ug/kg	ND	47.1	47.1	48.1	48.3	47.1	102	98	47-136	2	20
1,3,5-Trimethylbenzene	ug/kg	ND	47.1	47.1	48.1	51.9	53.2	110	111	10-163	3	20
1,3-Dichlorobenzene	ug/kg	ND	47.1	47.1	48.1	42.2	41.6	90	86	10-147	1	20
1,4-Dichlorobenzene	ug/kg	ND	47.1	47.1	48.1	40.1	39.0	85	81	10-143	3	20
2-Butanone (MEK)	ug/kg	ND	235	235	241	158	153	67	63	31-200	4	20
2-Hexanone	ug/kg	ND	235	235	241	183	186	78	77	23-188	2	20
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	235	235	241	194	197	82	82	38-161	2	20
Acetone	ug/kg	ND	235	235	241	188	207	80	86	16-200	10	20
Acrolein	ug/kg	ND	943	943	963	1090	1080	116	113	10-200	0	20
Benzene	ug/kg	ND	47.1	47.1	48.1	48.4	47.5	103	99	46-136	2	20
Bromodichloromethane	ug/kg	ND	47.1	47.1	48.1	46.0	44.4	98	92	38-136	4	20
Bromoform	ug/kg	ND	47.1	47.1	48.1	41.6	43.8	88	91	27-164	5	20
Bromomethane	ug/kg	ND	47.1	47.1	48.1	40.6	44.1	86	92	29-170	8	20
Carbon disulfide	ug/kg	ND	47.1	47.1	48.1	48.3	47.6	102	99	37-136	1	20
Carbon tetrachloride	ug/kg	ND	47.1	47.1	48.1	51.2	50.7	109	105	46-139	1	20
Chlorobenzene	ug/kg	ND	47.1	47.1	48.1	44.8	43.3	95	90	22-138	4	20
Chloroethane	ug/kg	ND	47.1	47.1	48.1	51.1	53.6	108	111	38-162	5	20
Chloroform	ug/kg	ND	47.1	47.1	48.1	43.6	43.8	93	91	53-129	1	20
Chloromethane	ug/kg	ND	47.1	47.1	48.1	36.0	40.3	76	84	32-146	11	20
cis-1,2-Dichloroethene	ug/kg	ND	47.1	47.1	48.1	47.7	47.2	101	98	52-131	1	20
cis-1,3-Dichloropropene	ug/kg	ND	47.1	47.1	48.1	45.8	46.1	97	96	38-141	1	20
Dibromomethane	ug/kg	ND	47.1	47.1	48.1	46.0	45.1	98	94	47-135	2	20
Dichlorodifluoromethane	ug/kg	ND	47.1	47.1	48.1	53.2	53.6	113	111	20-178	1	20
Ethylbenzene	ug/kg	ND	47.1	47.1	48.1	48.9	48.0	104	100	20-142	2	20
Isopropylbenzene (Cumene)	ug/kg	ND	47.1	47.1	48.1	50.8	49.2	108	102	14-149	3	20
m&p-Xylene	ug/kg	ND	94.3	94.3	96.3	98.1	97.5	104	101	16-142	1	20
Methyl-tert-butyl ether	ug/kg	ND	47.1	47.1	48.1	51.1	50.2	108	104	64-135	2	20
Methylene Chloride	ug/kg	ND	47.1	47.1	48.1	48.1	49.0	102	102	39-146	2	20
n-Butylbenzene	ug/kg	ND	47.1	47.1	48.1	50.2	51.0	107	106	10-150	1	20
n-Propylbenzene	ug/kg	ND	47.1	47.1	48.1	53.1	55.6	113	115	10-171	5	20
Naphthalene	ug/kg	ND	47.1	47.1	48.1	24.6	22.8	52	47	10-128	7	20
o-Xylene	ug/kg	ND	47.1	47.1	48.1	49.7	48.7	106	101	16-142	2	20
p-Isopropyltoluene	ug/kg	ND	47.1	47.1	48.1	54.2	53.7	115	111	10-159	1	20
sec-Butylbenzene	ug/kg	ND	47.1	47.1	48.1	56.7	57.8	120	120	10-175	2	20
Styrene	ug/kg	ND	47.1	47.1	48.1	45.7	43.1	97	90	10-136	6	20
tert-Butylbenzene	ug/kg	ND	47.1	47.1	48.1	42.1	43.1	89	90	10-162	3	20
Tetrachloroethene	ug/kg	ND	47.1	47.1	48.1	49.2	48.7	104	101	24-151	1	20
Toluene	ug/kg	ND	47.1	47.1	48.1	48.4	48.6	103	101	36-140	1	20
trans-1,2-Dichloroethene	ug/kg	ND	47.1	47.1	48.1	50.7	51.6	108	107	53-135	2	20

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QUALITY CONTROL DATA

Project: LA305-LA313

Pace Project No.: 50204438

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2122400												2122401											
Parameter	Units	50204438007 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual											
			Spike Conc.	Spike Conc.																			
trans-1,3-Dichloropropene	ug/kg	ND	47.1	48.1	37.4	36.8	79	76	31-141	2	20												
Trichloroethene	ug/kg	ND	47.1	48.1	49.2	49.1	104	102	31-149	0	20												
Trichlorofluoromethane	ug/kg	ND	47.1	48.1	54.7	55.5	116	115	51-170	1	20												
Vinyl acetate	ug/kg	ND	189	193	10.3J	7.1J	5	4	10-138		20	M1											
Vinyl chloride	ug/kg	ND	47.1	48.1	52.9	53.8	112	112	46-171	2	20												
4-Bromofluorobenzene (S)	%						99	95	57-130														
Dibromofluoromethane (S)	%						95	95	80-127														
Toluene-d8 (S)	%						104	106	72-136														

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2122402												2122403											
Parameter	Units	50204529003 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual											
			Spike Conc.	Spike Conc.																			
1,1,1,2-Tetrachloroethane	ug/kg	ND	49.7	48.6	52.7	48.9	106	100	34-148	8	20												
1,1,1-Trichloroethane	ug/kg	ND	49.7	48.6	61.0	55.6	123	114	51-139	9	20												
1,1,2,2-Tetrachloroethane	ug/kg	ND	49.7	48.6	44.1	40.0	89	82	22-173	10	20												
1,1,2-Trichloroethane	ug/kg	ND	49.7	48.6	51.1	45.7	103	94	40-142	11	20												
1,1-Dichloroethane	ug/kg	ND	49.7	48.6	52.5	47.5	106	98	54-130	10	20												
1,1-Dichloroethene	ug/kg	ND	49.7	48.6	61.7	57.3	124	118	52-144	7	20												
1,2,4-Trichlorobenzene	ug/kg	ND	49.7	48.6	35.6	30.0	72	62	10-119	17	20												
1,2,4-Trimethylbenzene	ug/kg	ND	49.7	48.6	51.9	47.6	104	98	10-163	9	20												
1,2-Dibromoethane (EDB)	ug/kg	ND	49.7	48.6	43.7	39.1	88	80	40-144	11	20												
1,2-Dichlorobenzene	ug/kg	ND	49.7	48.6	46.0	41.1	93	85	10-143	11	20												
1,2-Dichloroethane	ug/kg	ND	49.7	48.6	50.5	44.9	102	92	48-128	12	20												
1,2-Dichloropropane	ug/kg	ND	49.7	48.6	55.8	51.3	112	105	47-136	8	20												
1,3,5-Trimethylbenzene	ug/kg	ND	49.7	48.6	54.6	49.6	110	102	10-163	9	20												
1,3-Dichlorobenzene	ug/kg	ND	49.7	48.6	45.9	40.5	92	83	10-147	13	20												
1,4-Dichlorobenzene	ug/kg	ND	49.7	48.6	43.3	38.6	87	79	10-143	12	20												
2-Butanone (MEK)	ug/kg	ND	249	243	225	188	90	77	31-200	18	20												
2-Hexanone	ug/kg	ND	249	243	251	216	101	89	23-188	15	20												
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	249	243	247	210	99	86	38-161	16	20												
Acetone	ug/kg	ND	249	243	303	237	122	97	16-200	25	20	R1											
Acrolein	ug/kg	ND	993	973	1480	1250	149	129	10-200	16	20												
Benzene	ug/kg	ND	49.7	48.6	56.0	51.6	113	106	46-136	8	20												
Bromodichloromethane	ug/kg	ND	49.7	48.6	52.1	47.0	105	97	38-136	10	20												
Bromoform	ug/kg	ND	49.7	48.6	44.6	40.8	90	84	27-164	9	20												
Bromomethane	ug/kg	ND	49.7	48.6	50.7	45.5	102	94	29-170	11	20												
Carbon disulfide	ug/kg	ND	49.7	48.6	59.5	54.6	120	112	37-136	9	20												
Carbon tetrachloride	ug/kg	ND	49.7	48.6	61.7	56.1	124	115	46-139	10	20												
Chlorobenzene	ug/kg	ND	49.7	48.6	51.3	46.0	103	94	22-138	11	20												
Chloroethane	ug/kg	ND	49.7	48.6	63.1	56.6	127	116	38-162	11	20												
Chloroform	ug/kg	ND	49.7	48.6	50.0	45.4	101	93	53-129	10	20												
Chloromethane	ug/kg	ND	49.7	48.6	46.1	41.9	93	86	32-146	10	20												

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QUALITY CONTROL DATA

Project: LA305-LA313

Pace Project No.: 50204438

Parameter	Units	2122402		2122403		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		50204529003 Result	MS Spike Conc.	MSD Spike Conc.	MSD Result								
cis-1,2-Dichloroethene	ug/kg	ND	49.7	48.6	53.4	48.8	108	100	52-131	9	20		
cis-1,3-Dichloropropene	ug/kg	ND	49.7	48.6	49.9	45.0	100	93	38-141	10	20		
Dibromomethane	ug/kg	ND	49.7	48.6	51.3	46.4	103	95	47-135	10	20		
Dichlorodifluoromethane	ug/kg	ND	49.7	48.6	62.2	57.2	125	118	20-178	8	20		
Ethylbenzene	ug/kg	ND	49.7	48.6	55.1	51.5	111	106	20-142	7	20		
Isopropylbenzene (Cumene)	ug/kg	ND	49.7	48.6	59.8	54.5	120	112	14-149	9	20		
m&p-Xylene	ug/kg	ND	99.3	97.3	112	101	113	103	16-142	11	20		
Methyl-tert-butyl ether	ug/kg	ND	49.7	48.6	54.0	48.4	109	100	64-135	11	20		
Methylene Chloride	ug/kg	ND	49.7	48.6	52.7	46.7	106	96	39-146	12	20		
n-Butylbenzene	ug/kg	ND	49.7	48.6	53.1	47.8	107	98	10-150	11	20		
n-Propylbenzene	ug/kg	ND	49.7	48.6	54.2	50.9	109	105	10-171	6	20		
Naphthalene	ug/kg	ND	49.7	48.6	38.0	33.9	76	70	10-128	11	20		
o-Xylene	ug/kg	ND	49.7	48.6	56.7	51.2	114	105	16-142	10	20		
p-Isopropyltoluene	ug/kg	ND	49.7	48.6	54.9	51.7	111	106	10-159	6	20		
sec-Butylbenzene	ug/kg	ND	49.7	48.6	58.6	53.8	118	111	10-175	9	20		
Styrene	ug/kg	ND	49.7	48.6	52.6	47.4	106	97	10-136	10	20		
tert-Butylbenzene	ug/kg	ND	49.7	48.6	43.5	40.3	88	83	10-162	8	20		
Tetrachloroethene	ug/kg	ND	49.7	48.6	55.6	49.7	112	102	24-151	11	20		
Toluene	ug/kg	ND	49.7	48.6	54.4	49.7	109	102	36-140	9	20		
trans-1,2-Dichloroethene	ug/kg	ND	49.7	48.6	60.1	53.4	121	110	53-135	12	20		
trans-1,3-Dichloropropene	ug/kg	ND	49.7	48.6	41.3	37.1	83	76	31-141	11	20		
Trichloroethene	ug/kg	ND	49.7	48.6	59.5	53.4	120	110	31-149	11	20		
Trichlorofluoromethane	ug/kg	ND	49.7	48.6	67.3	60.1	136	124	51-170	11	20		
Vinyl acetate	ug/kg	ND	199	194	111	90.4J	56	46	10-138		20		
Vinyl chloride	ug/kg	ND	49.7	48.6	62.9	57.3	127	118	46-171	9	20		
4-Bromofluorobenzene (S)	%.						104	103	57-130				
Dibromofluoromethane (S)	%.						96	94	80-127				
Toluene-d8 (S)	%.						102	101	72-136				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LA305-LA313

Pace Project No.: 50204438

QC Batch: 460053

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 5035A Volatile Organics

Associated Lab Samples: 50204438008

METHOD BLANK: 2122926

Matrix: Solid

Associated Lab Samples: 50204438008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	09/05/18 12:26	M5
1,1,1-Trichloroethane	ug/kg	ND	5.0	09/05/18 12:26	M5
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	09/05/18 12:26	M5
1,1,2-Trichloroethane	ug/kg	ND	5.0	09/05/18 12:26	M5
1,1-Dichloroethane	ug/kg	ND	5.0	09/05/18 12:26	M5
1,1-Dichloroethene	ug/kg	ND	5.0	09/05/18 12:26	M5
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	09/05/18 12:26	M5
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	09/05/18 12:26	M5
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	09/05/18 12:26	M5
1,2-Dichlorobenzene	ug/kg	ND	5.0	09/05/18 12:26	M5
1,2-Dichloroethane	ug/kg	ND	5.0	09/05/18 12:26	M5
1,2-Dichloropropane	ug/kg	ND	5.0	09/05/18 12:26	M5
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	09/05/18 12:26	M5
1,3-Dichlorobenzene	ug/kg	ND	5.0	09/05/18 12:26	M5
1,4-Dichlorobenzene	ug/kg	ND	5.0	09/05/18 12:26	M5
2-Butanone (MEK)	ug/kg	ND	25.0	09/05/18 12:26	M5
2-Hexanone	ug/kg	ND	100	09/05/18 12:26	M5
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	09/05/18 12:26	M5
Acetone	ug/kg	ND	100	09/05/18 12:26	M5
Acrolein	ug/kg	ND	100	09/05/18 12:26	M5
Benzene	ug/kg	ND	5.0	09/05/18 12:26	M5
Bromodichloromethane	ug/kg	ND	5.0	09/05/18 12:26	M5
Bromoform	ug/kg	ND	5.0	09/05/18 12:26	M5
Bromomethane	ug/kg	ND	5.0	09/05/18 12:26	M5
Carbon disulfide	ug/kg	ND	10.0	09/05/18 12:26	M5
Carbon tetrachloride	ug/kg	ND	5.0	09/05/18 12:26	M5
Chlorobenzene	ug/kg	ND	5.0	09/05/18 12:26	M5
Chloroethane	ug/kg	ND	5.0	09/05/18 12:26	M5
Chloroform	ug/kg	ND	5.0	09/05/18 12:26	M5
Chloromethane	ug/kg	ND	5.0	09/05/18 12:26	M5
cis-1,2-Dichloroethene	ug/kg	ND	5.0	09/05/18 12:26	M5
cis-1,3-Dichloropropene	ug/kg	ND	5.0	09/05/18 12:26	M5
Dibromomethane	ug/kg	ND	5.0	09/05/18 12:26	M5
Dichlorodifluoromethane	ug/kg	ND	5.0	09/05/18 12:26	M5
Ethylbenzene	ug/kg	ND	5.0	09/05/18 12:26	M5
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	09/05/18 12:26	M5
m&p-Xylene	ug/kg	ND	5.0	09/05/18 12:26	M5
Methyl-tert-butyl ether	ug/kg	ND	5.0	09/05/18 12:26	M5
Methylene Chloride	ug/kg	ND	20.0	09/05/18 12:26	M5
n-Butylbenzene	ug/kg	ND	5.0	09/05/18 12:26	M5
n-Propylbenzene	ug/kg	ND	5.0	09/05/18 12:26	M5

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LA305-LA313

Pace Project No.: 50204438

METHOD BLANK: 2122926

Matrix: Solid

Associated Lab Samples: 50204438008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Naphthalene	ug/kg	ND	5.0	09/05/18 12:26	M5
o-Xylene	ug/kg	ND	5.0	09/05/18 12:26	M5
p-Isopropyltoluene	ug/kg	ND	5.0	09/05/18 12:26	M5
sec-Butylbenzene	ug/kg	ND	5.0	09/05/18 12:26	M5
Styrene	ug/kg	ND	5.0	09/05/18 12:26	M5
tert-Butylbenzene	ug/kg	ND	5.0	09/05/18 12:26	M5
Tetrachloroethene	ug/kg	ND	5.0	09/05/18 12:26	M5
Toluene	ug/kg	ND	5.0	09/05/18 12:26	M5
trans-1,2-Dichloroethene	ug/kg	ND	5.0	09/05/18 12:26	M5
trans-1,3-Dichloropropene	ug/kg	ND	5.0	09/05/18 12:26	M5
Trichloroethene	ug/kg	ND	5.0	09/05/18 12:26	M5
Trichlorofluoromethane	ug/kg	ND	5.0	09/05/18 12:26	M5
Vinyl acetate	ug/kg	ND	100	09/05/18 12:26	M5
Vinyl chloride	ug/kg	ND	5.0	09/05/18 12:26	M5
4-Bromofluorobenzene (S)	%	99	57-130	09/05/18 12:26	M5
Dibromofluoromethane (S)	%	104	80-127	09/05/18 12:26	M5
Toluene-d8 (S)	%	96	72-136	09/05/18 12:26	M5

LABORATORY CONTROL SAMPLE: 2122927

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	46.1	92	80-119	M5
1,1,1-Trichloroethane	ug/kg	50	48.0	96	71-123	M5
1,1,2,2-Tetrachloroethane	ug/kg	50	42.4	85	74-121	M5
1,1,2-Trichloroethane	ug/kg	50	47.8	96	76-115	M5
1,1-Dichloroethane	ug/kg	50	45.7	91	70-117	M5
1,1-Dichloroethene	ug/kg	50	49.2	98	71-125	M5
1,2,4-Trichlorobenzene	ug/kg	50	43.4	87	63-119	M5
1,2,4-Trimethylbenzene	ug/kg	50	46.1	92	73-111	M5
1,2-Dibromoethane (EDB)	ug/kg	50	40.7	81	82-120	L2,M5
1,2-Dichlorobenzene	ug/kg	50	43.8	88	79-110	M5
1,2-Dichloroethane	ug/kg	50	48.4	97	69-119	M5
1,2-Dichloropropane	ug/kg	50	51.2	102	76-120	M5
1,3,5-Trimethylbenzene	ug/kg	50	46.7	93	74-108	M5
1,3-Dichlorobenzene	ug/kg	50	43.8	88	74-109	M5
1,4-Dichlorobenzene	ug/kg	50	42.6	85	74-109	M5
2-Butanone (MEK)	ug/kg	250	230	92	57-183	M5
2-Hexanone	ug/kg	250	247	99	56-156	M5
4-Methyl-2-pentanone (MIBK)	ug/kg	250	223	89	67-128	M5
Acetone	ug/kg	250	345	138	39-199	M5
Acrolein	ug/kg	1000	1300	130	24-200	M5
Benzene	ug/kg	50	48.0	96	77-117	M5
Bromodichloromethane	ug/kg	50	47.8	96	76-115	M5
Bromoform	ug/kg	50	41.8	84	69-125	M5

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QUALITY CONTROL DATA

Project: LA305-LA313

Pace Project No.: 50204438

LABORATORY CONTROL SAMPLE: 2122927

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/kg	50	38.7	77	30-174	M5
Carbon disulfide	ug/kg	50	47.0	94	64-122	M5
Carbon tetrachloride	ug/kg	50	47.6	95	70-126	M5
Chlorobenzene	ug/kg	50	44.7	89	77-111	M5
Chloroethane	ug/kg	50	49.7	99	50-149	M5
Chloroform	ug/kg	50	43.1	86	74-114	M5
Chloromethane	ug/kg	50	37.4	75	51-127	M5
cis-1,2-Dichloroethene	ug/kg	50	46.8	94	74-118	M5
cis-1,3-Dichloropropene	ug/kg	50	46.9	94	77-119	M5
Dibromomethane	ug/kg	50	49.5	99	79-118	M5
Dichlorodifluoromethane	ug/kg	50	46.7	93	39-160	M5
Ethylbenzene	ug/kg	50	45.7	91	73-114	M5
Isopropylbenzene (Cumene)	ug/kg	50	48.1	96	78-113	M5
m&p-Xylene	ug/kg	100	93.1	93	74-111	M5
Methyl-tert-butyl ether	ug/kg	50	51.6	103	75-119	M5
Methylene Chloride	ug/kg	50	48.3	97	45-153	M5
n-Butylbenzene	ug/kg	50	46.5	93	66-111	M5
n-Propylbenzene	ug/kg	50	45.7	91	74-112	M5
Naphthalene	ug/kg	50	40.3	81	70-115	M5
o-Xylene	ug/kg	50	48.2	96	74-111	M5
p-Isopropyltoluene	ug/kg	50	45.8	92	72-108	M5
sec-Butylbenzene	ug/kg	50	46.1	92	75-113	M5
Styrene	ug/kg	50	46.8	94	73-109	M5
tert-Butylbenzene	ug/kg	50	34.3	69	56-105	M5
Tetrachloroethene	ug/kg	50	43.3	87	72-117	M5
Toluene	ug/kg	50	44.4	89	77-111	M5
trans-1,2-Dichloroethene	ug/kg	50	47.8	96	73-121	M5
trans-1,3-Dichloropropene	ug/kg	50	40.0	80	76-121	M5
Trichloroethene	ug/kg	50	46.9	94	73-119	M5
Trichlorofluoromethane	ug/kg	50	48.3	97	72-147	M5
Vinyl acetate	ug/kg	200	197	98	59-139	M5
Vinyl chloride	ug/kg	50	50.7	101	57-160	M5
4-Bromofluorobenzene (S)	%			106	57-130	M5
Dibromofluoromethane (S)	%			98	80-127	M5
Toluene-d8 (S)	%			99	72-136	M5

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LA305-LA313

Pace Project No.: 50204438

QC Batch: 459544

Analysis Method: SM 2540G

QC Batch Method: SM 2540G

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 50204438007, 50204438008

SAMPLE DUPLICATE: 2120761

Parameter	Units	50204438007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.5	16.7	5	5	

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QUALIFIERS

Project: LA305-LA313

Pace Project No.: 50204438

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 460053

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M5 A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

N The reported TIC has an 85% or higher match on a mass spectral library search.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LA305-LA313

Pace Project No.: 50204438

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50204438001	LA 305 (GW-1)	EPA 5030B/8260	459757		
50204438002	LA 306 (GW-2)	EPA 5030B/8260	459757		
50204438003	LA 307 (GW-3)	EPA 5030B/8260	459757		
50204438004	LA 308 (RUG-1)	EPA 5030B/8260	459757		
50204438005	LA 309 (RUG-2)	EPA 5030B/8260	459757		
50204438006	LA 310 (TB)	EPA 5030B/8260	459757		
50204438007	LA 312 (RUG-1S)	EPA 8260	459909		
50204438008	LA 313 (RUG-2S)	EPA 8260	460053		
50204438007	LA 312 (RUG-1S)	SM 2540G	459544		
50204438008	LA 313 (RUG-2S)	SM 2540G	459544		

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SAMPLE CUSTODY CHAIN - IDEM OFFICE OF LAND QUALITY

State Form 42091 (R2 / 12-06)

50 204438

Please Send Report to:

IDEM
OLQ Chemistry Section
Attn: QA Officer
MC 66-20 IGCN N1101
100 N Senate Avenue
Indianapolis, IN 46204-2251
www.idem.IN.gov

(1) **SAMPLE CERTIFICATION** - I certify the following samples were collected by me or in my presence:

Print Name: **TIMOTHY R. JOHNSON**

Signature: *Timothy R Johnson*

Sample Date(s): **8/28/18**

(2A-2C) SAMPLE INFORMATION			(2D) COUNTS				(2E-2F) ANALYSES REQUESTED							(2G) COMMENTS		(2H-2J) DATE & TIME					
Laboratory Control Number (Lab Use)	IDEM Sample Number	Matrix or Sample Type	Glass Bottles	Plastic Bottles	40 ml Vials	Other	VOA									Date	Time	AM	PM		
LA 305	GW-1	GW			X9	X										001	002	8/28/18	11:41	X	
LA 306	GW-2	GW			3	X										002	003	8/28/18	12:35		X
LA 307	GW-3	GW			3	X										003		8/28/18	1:00		X
LA 308	RUG-1	GW			3	X										004		8/28/18	4:00		X
LA 309	RUG-2	GW			3	X										005		8/28/18	4:05		X
LA 312	RUG-1S	SOIL			4	X										007		8/28/18	3:40		X
LA 313	RUG-2S	SOIL			4	X										008		8/28/18	3:45		X
LA 310	TRIP	GW			3	X										006					

(3) **REQUIRED TURNAROUND TIME (with full documentation)**

30 days 14 days 7 days 2 days

(4) **COMMENTS**

FOR LABORATORY USE ONLY:

Cooler Temp: **5-7**

Sample Condition: **Rise**

(5) **TRANSFER OF CUSTODY** - I certify that I received the above samples.

Relinquished by: *Timothy R. Johnson* Date: **8/29/18** Time: **0915**

Received by: _____ AM / PM

Relinquished by: _____

Received by: _____ AM / PM

(6) **LABORATORY RECEIPT OF SAMPLES**

I certify that I received the above samples. After recording these samples in the official logbook, they will remain in the custody of competent lab personnel or be secured in a locked area at all times.

Received by: *[Signature]* Date: **8/29/18** Time: **0915**

Laboratory: **PAGE**

Address: **7726 MONROE RD INDIANAPOLIS** AM / PM

(7) **DISTRIBUTION:** PINK COPY - IDEM Sampler YELLOW COPY - Lab (Keep) WHITE COPY - Lab (To be Returned to IDEM with Data Package)



SAMPLE CONDITION UPON RECEIPT FORM

Project #: 50 204438

Date/Time and Initials of person examining contents: JLK 8-29-18 1035

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: Yes No Seals Intact: Yes No

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer: 1 2 3 4 5 6 A B C D E F Ice Type: Wet Blue None | Samples collected today and on ice: Yes No N/A

Cooler Temperature: 5.7/5.7 Ice Visible in Sample Containers?: Yes No N/A

(Initial/Corrected) Temp should be above freezing to 6°C If temp. is Over 6°C or under 0°C, was the PM Notified?: Yes No N/A

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
Are samples from West Virginia? Document any containers out of temp.		X	All containers needing acid/base pres. Have been checked?: exceptions: VOA, coliform, LLHg, O&G, and any container with a septum cap or preserved with HCl.			
USDA Regulated Soils? (ID, NY, WA, OR, CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		X	All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.			X
Chain of Custody Present:	X		Circle: HNO3 H2SO4 NaOH NaOH/ZnAc			
Chain of Custody Filled Out:	X		Dissolved Metals field filtered?:			X
Short Hold Time Analysis (<72hr)? Analysis: <u>TC</u>	✓		Headspace Wisconsin Sulfide			X
Time 5035A TC placed in Freezer or Short Holds To Lab: <u>1120</u>			Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A
			Residual Chlorine Check (Total/Amenable/Free Cyanide)			X
Rush TAT Requested:		X	Headspace in VOA Vials (>6mm):		X	
Containers Intact?:	X		Trip Blank Present?:	X		
Sample Labels Match COC?: Except TCs, which only require sample ID	X		Trip Blank Custody Seals?:	X		

Comments: _____

Sample Container Count

WO#: 50204438



50204438

CLIENT: IDEM

COC PAGE 1 of 1

COC ID# _____

Project # 50204438

SBS
D
BULK
K

Sample Line Item	DG9H DG9I	AG0U	AG1H	AG1U	AG2U	AG3S	WGFU	SP5T	BP1U	BP2N	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	R	Matrix S/W/ (Soil/Water/ Aqueous Lic	pH <2	pH >9	pH >12
1	9																				
2	3																				
3	↓																				
4																					
5	↓																				
6																					
7																					
8	3																				
9																					
10																					
11																					
12																					

Container Codes

Glass				Plastic / Misc.			
DG9B	40mL Na Bisulfate amber vial	AG0U	100mL unpreserved amber glass	BP1A	1 liter NaOH, Asc Acid plastic	BP3U	250mL unpreserved plastic
DG9H	40mL HCL amber vial	AG1H	1 liter HCL amber glass	BP1N	1 liter HNO3 plastic	BP3Z	250mL NaOH, Zn Ac plastic
DG9M	40mL MeOH clear vial	AG1S	1 liter H2SO4 amber glass	BP1S	1 liter H2SO4 plastic		
DG9P	40mL TSP amber vial	AG1T	1 liter Na Thiosulfate amber glass	BP1U	1 liter unpreserved plastic	AF	Air Filter
DG9S	40mL H2SO4 amber vial	AG1U	1 liter unpreserved amber glass	BP1Z	1 liter NaOH, Zn, Ac	C	Air Cassettes
DG9T	40mL Na Thio amber vial	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	R	Terra core kit
DG9U	40mL unpreserved amber vial	AG2S	500mL H2SO4 amber glass	BP2N	500mL HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
VG9H	40mL HCL clear vial	AG2U	500mL unpreserved amber glass	BP2O	500mL NaOH plastic	U	Summa Can
VG9T	40mL Na Thio. clear vial	AG3S	250mL H2SO4 glass amber	BP2S	500mL H2SO4 plastic	ZPLC	Ziploc Bag
VG9U	40mL unpreserved clear vial	AG3U	250mL unpreserved amber glass	BP2U	500mL unpreserved plastic		
VGFX	40mL w/hexane wipe vial	BG1H	1 liter HCL clear glass	BP2Z	500mL NaOH, Zn Ac		
VSG	Headspace septa vial & HCL	BG1S	1 liter H2SO4 clear glass	BP3B	250mL NaOH plastic		
WGAU	8oz unpreserved clear jar	BG1T	1 liter Na Thiosulfate clear glass	BP3N	250mL HNO3 plastic		
WGFU	4oz clear soil jar	BG1U	1 liter unpreserved glass	BP3S	250mL H2SO4 plastic		
JGFU	4oz unpreserved amber wide	BG3H	250mL HCl Clear Glass				
		BG3U	250mL Unpreserved Clear Glass				

MSV - FORM II VOA-1
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 50204438 Contract: LA305-LA313

Instrument ID: 50MV2A

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
2121944	2121944BLANK	107	107	105
2121945	2121945LCS	105	112	104
2121946	2121946MS	105	110	103
2121947	2121947MSD	108	110	104
50204438001	LA 305 (GW-1)	107	110	103
50204438002	LA 306 (GW-2)	102	110	103
50204438003	LA 307 (GW-3)	105	111	105
50204438004	LA 308 (RUG-1)	106	111	104
50204438005	LA 309 (RUG-2)	104	111	103
50204438006	LA 310 (TB)	107	111	102

(BFB) = 4-Bromofluorobenzene (S)

(DIBF) = Dibromofluoromethane (S)

(TOL8) = Toluene-d8 (S)

* Values outside of QC Limits

QC LIMITS

(85-111)

(89-116)

(87-110)

MSV - FORM II VOA-1
SOLID VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 50204438 Contract: LA305-LA313

Instrument ID: 50MV6A

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
2122398	2122398BLANK	101	106	96
2122399	2122399LCS	102	96	98
2122400	2122400MS	99	95	104
2122401	2122401MSD	95	95	106
50204438007	LA 312 (RUG-1S)	96	107	100

(BFB) = 4-Bromofluorobenzene (S)
(DIBF) = Dibromofluoromethane (S)
(TOL8) = Toluene-d8 (S)
* Values outside of QC Limits

QC LIMITS
(57-130)
(80-127)
(72-136)

MSV - FORM II VOA-2
SOLID VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 50204438 Contract: LA305-LA313

Instrument ID: 50MV6A

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
2122926	2122926BLANK	99	104	96
2122927	2122927LCS	106	98	99
50204438008	LA 313 (RUG-2S)	91	109	102

QC LIMITS

(57-130)

(80-127)

(72-136)

(BFB) = 4-Bromofluorobenzene (S)

(DIBF) = Dibromofluoromethane (S)

(TOL8) = Toluene-d8 (S)

* Values outside of QC Limits

MSV - FORM III VOA-1
WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
 Date Extracted: 09/02/2018
 Instrument: 50MV2A
 Lab File ID: A090118.B\C02LCS.D

Lab Sample ID: 2121945LCS
 Date Analyzed (1): 09/02/2018
 LCS Lot No: 184314
 SDG No.: 50204438

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Acetone	250	253	101	46-170
Acrolein	1000	1040	104	13-200
Benzene	50.0	48.3	97	78-117
Bromodichloromethane	50.0	43.9	88	76-120
Bromoform	50.0	43.6	87	70-124
Bromomethane	50.0	50.5	101	29-181
2-Butanone (MEK)	250	273	109	72-147
n-Butylbenzene	50.0	45.2	90	72-118
sec-Butylbenzene	50.0	49.1	98	76-120
tert-Butylbenzene	50.0	43.2	86	55-109
Carbon disulfide	50.0	47.3	95	66-123
Carbon tetrachloride	50.0	49.3	99	73-132
Chlorobenzene	50.0	51.2	102	79-112
Chloroethane	50.0	50.5	101	59-156
Chloroform	50.0	46.4	93	76-118
Chloromethane	50.0	33.5	67	45-142
1,2-Dibromoethane (EDB)	50.0	52.1	104	80-120
Dibromomethane	50.0	51.6	103	78-122
1,2-Dichlorobenzene	50.0	49.6	99	77-117
1,3-Dichlorobenzene	50.0	49.5	99	76-116
1,4-Dichlorobenzene	50.0	49.8	100	74-115
Dichlorodifluoromethane	50.0	59.3	119	41-168
1,1-Dichloroethane	50.0	48.8	98	72-119
1,2-Dichloroethane	50.0	47.9	96	69-122
1,1-Dichloroethene	50.0	47.7	95	72-123
cis-1,2-Dichloroethene	50.0	48.2	96	75-117
trans-1,2-Dichloroethene	50.0	48.2	96	75-121
1,2-Dichloropropane	50.0	47.0	94	75-124
cis-1,3-Dichloropropene	50.0	46.5	93	77-120
trans-1,3-Dichloropropene	50.0	45.5	91	77-121
Ethylbenzene	50.0	49.6	99	80-118
2-Hexanone	250	216	86	71-132
Isopropylbenzene (Cumene)	50.0	48.0	96	81-117
p-Isopropyltoluene	50.0	51.5	103	75-115
Methylene Chloride	50.0	51.4	103	59-136
4-Methyl-2-pentanone (MIBK)	250	232	93	89-128
Methyl-tert-butyl ether	50.0	51.0	102	71-124
Naphthalene	50.0	50.7	101	67-126
n-Propylbenzene	50.0	48.9	98	75-120
Styrene	50.0	49.8	100	74-121
1,1,1,2-Tetrachloroethane	50.0	50.0	100	80-120
1,1,2,2-Tetrachloroethane	50.0	43.8	88	73-117
Tetrachloroethene	50.0	51.3	103	76-116
Toluene	50.0	45.7	91	77-115
1,2,4-Trichlorobenzene	50.0	48.1	96	70-125
1,1,1-Trichloroethane	50.0	52.2	104	74-126
1,1,2-Trichloroethane	50.0	54.3	109	74-119

MSV - FORM III VOA-2
WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
 Date Extracted: 09/02/2018
 Instrument: 50MV2A
 Lab File ID: A090118.B\C02LCS.D

Lab Sample ID: 2121945LCS
 Date Analyzed (1): 09/02/2018
 LCS Lot No: 184314
 SDG No.: 50204438

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Trichloroethene	50.0	46.2	92	76-120
Trichlorofluoromethane	50.0	47.2	94	81-141
1,2,4-Trimethylbenzene	50.0	48.2	96	76-118
1,3,5-Trimethylbenzene	50.0	46.0	92	75-117
Vinyl acetate	200	175	87	67-131
Vinyl chloride	50.0	44.3	89	64-155
m&p-Xylene	100	96.9	97	78-118
o-Xylene	50.0	51.3	103	78-118

Spike Recovery: 0 out of 55 outside limits.

MSV - FORM III VOA-1
SOLID LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
 Date Extracted: 09/04/2018
 Instrument: 50MV6A
 Lab File ID: A090418.B\C02LCS.D

Lab Sample ID: 2122399LCS
 Date Analyzed (1): 09/04/2018
 LCS Lot No: 184730
 SDG No.: 50204438

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
Acetone	250	176	70	39-199
Acrolein	1000	1110	111	24-200
Benzene	50.0	48.5	97	77-117
Bromodichloromethane	50.0	48.3	97	76-115
Bromoform	50.0	48.5	97	69-125
Bromomethane	50.0	37.7	75	30-174
2-Butanone (MEK)	250	184	74	57-183
n-Butylbenzene	50.0	43.1	86	66-111
sec-Butylbenzene	50.0	48.6	97	75-113
tert-Butylbenzene	50.0	37.6	75	56-105
Carbon disulfide	50.0	43.8	88	64-122
Carbon tetrachloride	50.0	50.3	101	70-126
Chlorobenzene	50.0	47.4	95	77-111
Chloroethane	50.0	45.3	91	50-149
Chloroform	50.0	44.8	90	74-114
Chloromethane	50.0	35.2	70	51-127
1,2-Dibromoethane (EDB)	50.0	43.9	88	82-120
Dibromomethane	50.0	51.0	102	79-118
1,2-Dichlorobenzene	50.0	45.7	91	79-110
1,3-Dichlorobenzene	50.0	44.4	89	74-109
1,4-Dichlorobenzene	50.0	42.9	86	74-109
Dichlorodifluoromethane	50.0	48.2	96	39-160
1,1-Dichloroethane	50.0	44.7	89	70-117
1,2-Dichloroethane	50.0	47.7	95	69-119
1,1-Dichloroethene	50.0	47.6	95	71-125
cis-1,2-Dichloroethene	50.0	48.6	97	74-118
trans-1,2-Dichloroethene	50.0	47.3	95	73-121
1,2-Dichloropropane	50.0	48.8	98	76-120
cis-1,3-Dichloropropene	50.0	47.1	94	77-119
trans-1,3-Dichloropropene	50.0	39.9	80	76-121
Ethylbenzene	50.0	47.6	95	73-114
2-Hexanone	250	211	84	56-156
Isopropylbenzene (Cumene)	50.0	49.2	98	78-113
p-Isopropyltoluene	50.0	47.6	95	72-108
Methylene Chloride	50.0	45.3	91	45-153
4-Methyl-2-pentanone (MIBK)	250	209	84	67-128
Methyl-tert-butyl ether	50.0	49.9	100	75-119
Naphthalene	50.0	44.4	89	70-115
n-Propylbenzene	50.0	46.4	93	74-112
Styrene	50.0	48.1	96	73-109
1,1,1,2-Tetrachloroethane	50.0	50.8	102	80-119
1,1,2,2-Tetrachloroethane	50.0	45.7	91	74-121
Tetrachloroethene	50.0	45.9	92	72-117
Toluene	50.0	46.8	94	77-111
1,2,4-Trichlorobenzene	50.0	40.2	80	63-119
1,1,1-Trichloroethane	50.0	51.4	103	71-123
1,1,2-Trichloroethane	50.0	48.8	98	76-115

MSV - FORM III VOA-2
SOLID LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
 Date Extracted: 09/04/2018
 Instrument: 50MV6A
 Lab File ID: A090418.B\C02LCS.D

Lab Sample ID: 2122399LCS
 Date Analyzed (1): 09/04/2018
 LCS Lot No: 184730
 SDG No.: 50204438

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
Trichloroethene	50.0	49.5	99	73-119
Trichlorofluoromethane	50.0	47.4	95	72-147
1,2,4-Trimethylbenzene	50.0	46.8	94	73-111
1,3,5-Trimethylbenzene	50.0	48.8	98	74-108
Vinyl acetate	200	179	90	59-139
Vinyl chloride	50.0	47.3	95	57-160
m&p-Xylene	100	95.9	96	74-111
o-Xylene	50.0	50.7	101	74-111

Spike Recovery: 0 out of 55 outside limits.

MSV - FORM III VOA-1
SOLID LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Date Extracted: 09/05/2018
Instrument: 50MV6A
Lab File ID: A090518.B\A02LCS.D

Lab Sample ID: 2122927LCS
Date Analyzed (1): 09/05/2018
LCS Lot No: 184730
SDG No.: 50204438

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
Acetone	250	345	138	39-199
Acrolein	1000	1300	130	24-200
Benzene	50.0	48.0	96	77-117
Bromodichloromethane	50.0	47.8	96	76-115
Bromoform	50.0	41.8	84	69-125
Bromomethane	50.0	38.7	77	30-174
2-Butanone (MEK)	250	230	92	57-183
n-Butylbenzene	50.0	46.5	93	66-111
sec-Butylbenzene	50.0	46.1	92	75-113
tert-Butylbenzene	50.0	34.3	69	56-105
Carbon disulfide	50.0	47.0	94	64-122
Carbon tetrachloride	50.0	47.6	95	70-126
Chlorobenzene	50.0	44.7	89	77-111
Chloroethane	50.0	49.7	99	50-149
Chloroform	50.0	43.1	86	74-114
Chloromethane	50.0	37.4	75	51-127
1,2-Dibromoethane (EDB)	50.0	40.7	81	82-120
Dibromomethane	50.0	49.5	99	79-118
1,2-Dichlorobenzene	50.0	43.8	88	79-110
1,3-Dichlorobenzene	50.0	43.8	88	74-109
1,4-Dichlorobenzene	50.0	42.6	85	74-109
Dichlorodifluoromethane	50.0	46.7	93	39-160
1,1-Dichloroethane	50.0	45.7	91	70-117
1,2-Dichloroethane	50.0	48.4	97	69-119
1,1-Dichloroethene	50.0	49.2	98	71-125
cis-1,2-Dichloroethene	50.0	46.8	94	74-118
trans-1,2-Dichloroethene	50.0	47.8	96	73-121
1,2-Dichloropropane	50.0	51.2	102	76-120
cis-1,3-Dichloropropene	50.0	46.9	94	77-119
trans-1,3-Dichloropropene	50.0	40.0	80	76-121
Ethylbenzene	50.0	45.7	91	73-114
2-Hexanone	250	247	99	56-156
Isopropylbenzene (Cumene)	50.0	48.1	96	78-113
p-Isopropyltoluene	50.0	45.8	92	72-108
Methylene Chloride	50.0	48.3	97	45-153
4-Methyl-2-pentanone (MIBK)	250	223	89	67-128
Methyl-tert-butyl ether	50.0	51.6	103	75-119
Naphthalene	50.0	40.3	81	70-115
n-Propylbenzene	50.0	45.7	91	74-112
Styrene	50.0	46.8	94	73-109
1,1,1,2-Tetrachloroethane	50.0	46.1	92	80-119
1,1,2,2-Tetrachloroethane	50.0	42.4	85	74-121
Tetrachloroethene	50.0	43.3	87	72-117
Toluene	50.0	44.4	89	77-111
1,2,4-Trichlorobenzene	50.0	43.4	87	63-119
1,1,1-Trichloroethane	50.0	48.0	96	71-123
1,1,2-Trichloroethane	50.0	47.8	96	76-115

MSV - FORM III VOA-2
SOLID LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
 Date Extracted: 09/05/2018
 Instrument: 50MV6A
 Lab File ID: A090518.B\A02LCS.D

Lab Sample ID: 2122927LCS
 Date Analyzed (1): 09/05/2018
 LCS Lot No: 184730
 SDG No.: 50204438

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
Trichloroethene	50.0	46.9	94	73-119
Trichlorofluoromethane	50.0	48.3	97	72-147
1,2,4-Trimethylbenzene	50.0	46.1	92	73-111
1,3,5-Trimethylbenzene	50.0	46.7	93	74-108
Vinyl acetate	200	197	98	59-139
Vinyl chloride	50.0	50.7	101	57-160
m&p-Xylene	100	93.1	93	74-111
o-Xylene	50.0	48.2	96	74-111

Spike Recovery: 1 out of 55 outside limits.

MSV - FORM III VOA-1

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - IndianaMatrix Spike - Sample No: 2121946MSDate Extracted: 09/02/2018Date Analyzed (1): 09/02/2018Instrument: 50MV2ALab File ID: A090118.B\C22.DParent Sample ID: LA 305 (GW-1)SDG No.: 50204438

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	50.0	ND	51.9	104	48-138
1,1,1-Trichloroethane	50.0	ND	56.3	113	50-141
1,1,2,2-Tetrachloroethane	50.0	ND	45.0	90	52-131
1,1,2-Trichloroethane	50.0	ND	55.7	111	53-131
1,1-Dichloroethane	50.0	ND	51.1	102	51-130
1,1-Dichloroethene	50.0	ND	51.8	104	51-138
1,2,4-Trichlorobenzene	50.0	ND	47.0	94	20-142
1,2,4-Trimethylbenzene	50.0	ND	50.7	101	19-148
1,2-Dibromoethane (EDB)	50.0	ND	52.6	105	57-134
1,2-Dichlorobenzene	50.0	ND	51.4	103	30-142
1,2-Dichloroethane	50.0	ND	49.7	99	46-139
1,2-Dichloropropane	50.0	ND	51.0	102	54-135
1,3,5-Trimethylbenzene	50.0	ND	49.0	98	16-149
1,3-Dichlorobenzene	50.0	ND	52.4	105	24-142
1,4-Dichlorobenzene	50.0	ND	51.5	103	24-140
2-Butanone (MEK)	250	ND	248	99	49-156
2-Hexanone	250	ND	206	82	53-140
4-Methyl-2-pentanone (MIBK)	250	ND	215	86	50-139
Acetone	250	ND	232	93	34-160
Acrolein	1000	ND	746	75	30-178
Benzene	50.0	ND	51.6	103	50-135
Bromodichloromethane	50.0	ND	46.8	94	50-135
Bromoform	50.0	ND	44.5	89	43-133
Bromomethane	50.0	ND	34.2	68	15-170
Carbon disulfide	50.0	ND	49.2	98	36-139
Carbon tetrachloride	50.0	ND	53.1	106	43-151
Chlorobenzene	50.0	ND	53.6	107	39-135
Chloroethane	50.0	ND	54.4	109	42-165
Chloroform	50.0	ND	48.7	97	52-134
Chloromethane	50.0	ND	33.1	66	33-146
Dibromomethane	50.0	ND	52.8	106	55-137
Dichlorodifluoromethane	50.0	ND	62.1	124	29-178
Ethylbenzene	50.0	ND	51.4	103	31-147
Isopropylbenzene (Cumene)	50.0	ND	50.9	102	25-151
Methyl-tert-butyl ether	50.0	ND	52.5	105	51-142
Methylene Chloride	50.0	ND	51.6	103	41-142
Naphthalene	50.0	ND	49.8	100	40-135
Styrene	50.0	ND	51.7	103	28-142
Tetrachloroethene	50.0	ND	52.9	106	34-140
Toluene	50.0	ND	47.2	94	43-134
Trichloroethene	50.0	ND	48.9	98	40-141
Trichlorofluoromethane	50.0	ND	50.3	101	56-162
Vinyl acetate	200	ND	103	51	11-134
Vinyl chloride	50.0	ND	45.2	90	46-164
cis-1,2-Dichloroethene	50.0	ND	50.3	101	48-133
cis-1,3-Dichloropropene	50.0	ND	46.3	93	46-131
m&p-Xylene	100	ND	101	101	29-145

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MSV - FORM III VOA-2
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana

Matrix Spike - Sample No: 2121946MS

Date Extracted: 09/02/2018

Date Analyzed (1): 09/02/2018

Instrument: 50MV2A

Lab File ID: A090118.B\C22.D

Parent Sample ID: LA 305 (GW-1)

SDG No.: 50204438

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
n-Butylbenzene	50.0	ND	47.1	94	10-153
n-Propylbenzene	50.0	ND	49.3	99	16-153
o-Xylene	50.0	ND	53.1	106	29-145
p-Isopropyltoluene	50.0	ND	53.2	106	11-150
sec-Butylbenzene	50.0	ND	52.1	104	11-157
tert-Butylbenzene	50.0	ND	46.6	93	11-132
trans-1,2-Dichloroethene	50.0	ND	50.4	101	51-135
trans-1,3-Dichloropropene	50.0	ND	45.4	91	44-133

Spike Recovery: 0 out of 55 outside limits.

MSV - FORM III VOA-3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV2A Matrix Spike Duplicate - Sample No: 2121947MSD
 Lab File ID (2): A090118.BIC23.D Date Analyzed (2): 09/02/2018

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	50.0	49.4	99	5	0-20	48-138
1,1,1-Trichloroethane	50.0	51.9	104	8	0-20	50-141
1,1,2,2-Tetrachloroethane	50.0	42.5	85	6	0-20	52-131
1,1,2-Trichloroethane	50.0	52.9	106	5	0-20	53-131
1,1-Dichloroethane	50.0	49.1	98	4	0-20	51-130
1,1-Dichloroethene	50.0	50.4	101	3	0-20	51-138
1,2,4-Trichlorobenzene	50.0	46.5	93	1	0-20	20-142
1,2,4-Trimethylbenzene	50.0	49.0	98	4	0-20	19-148
1,2-Dibromoethane (EDB)	50.0	50.6	101	4	0-20	57-134
1,2-Dichlorobenzene	50.0	49.0	98	5	0-20	30-142
1,2-Dichloroethane	50.0	46.8	94	6	0-20	46-139
1,2-Dichloropropane	50.0	48.4	97	5	0-20	54-135
1,3,5-Trimethylbenzene	50.0	46.3	93	6	0-20	16-149
1,3-Dichlorobenzene	50.0	50.0	100	5	0-20	24-142
1,4-Dichlorobenzene	50.0	48.9	98	5	0-20	24-140
2-Butanone (MEK)	250	236	94	5	0-20	49-156
2-Hexanone	250	194	77	6	0-20	53-140
4-Methyl-2-pentanone (MIBK)	250	216	87	1	0-20	50-139
Acetone	250	230	92	1	0-20	34-160
Acrolein	1000	729	73	2	0-20	30-178
Benzene	50.0	49.1	98	5	0-20	50-135
Bromodichloromethane	50.0	45.2	90	4	0-20	50-135
Bromoform	50.0	41.7	83	6	0-20	43-133
Bromomethane	50.0	38.0	76	11	0-20	15-170
Carbon disulfide	50.0	48.8	98	1	0-20	36-139
Carbon tetrachloride	50.0	49.0	98	8	0-20	43-151
Chlorobenzene	50.0	51.0	102	5	0-20	39-135
Chloroethane	50.0	52.6	105	3	0-20	42-165
Chloroform	50.0	45.8	92	6	0-20	52-134
Chloromethane	50.0	33.6	67	1	0-20	33-146
Dibromomethane	50.0	49.5	99	7	0-20	55-137
Dichlorodifluoromethane	50.0	62.6	125	1	0-20	29-178
Ethylbenzene	50.0	49.7	99	3	0-20	31-147
Isopropylbenzene (Cumene)	50.0	49.1	98	4	0-20	25-151
Methyl-tert-butyl ether	50.0	49.5	99	6	0-20	51-142
Methylene Chloride	50.0	48.6	97	6	0-20	41-142
Naphthalene	50.0	48.2	96	3	0-20	40-135
Styrene	50.0	50.2	100	3	0-20	28-142
Tetrachloroethene	50.0	51.4	103	3	0-20	34-140
Toluene	50.0	45.6	91	4	0-20	43-134
Trichloroethene	50.0	46.4	93	5	0-20	40-141
Trichlorofluoromethane	50.0	50.3	101	0	0-20	56-162
Vinyl acetate	200	91.7	46	12	0-20	11-134
Vinyl chloride	50.0	44.0	88	3	0-20	46-164
cis-1,2-Dichloroethene	50.0	48.4	97	4	0-20	48-133
cis-1,3-Dichloropropene	50.0	44.5	89	4	0-20	46-131
m&p-Xylene	100	97.7	98	3	0-20	29-145
n-Butylbenzene	50.0	45.3	91	4	0-20	10-153
n-Propylbenzene	50.0	48.9	98	1	0-20	16-153

MSV - FORM III VOA-4
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV2A Matrix Spike Duplicate - Sample No: 2121947MSD
 Lab File ID (2): A090118.BIC23.D Date Analyzed (2): 09/02/2018

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
o-Xylene	50.0	51.1	102	4	0-20	29-145
p-Isopropyltoluene	50.0	51.8	104	3	0-20	11-150
sec-Butylbenzene	50.0	50.6	101	3	0-20	11-157
tert-Butylbenzene	50.0	44.0	88	6	0-20	11-132
trans-1,2-Dichloroethene	50.0	49.5	99	2	0-20	51-135
trans-1,3-Dichloropropene	50.0	42.6	85	6	0-20	44-133

RPD: 0 out of 55 outside limits.

Spike Recovery: 0 out of 55 outside limits.

MSV - FORM III VOA-1

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - IndianaMatrix Spike - Sample No: 2122402MSDate Extracted: 09/05/2018Date Analyzed (1): 09/05/2018Instrument: 50MV6ALab File ID: A090418.B\C10.DParent Sample ID: 50204529003SDG No.: 50204438

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (mg/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	49.7	ND	52.7	106	34-148
1,1,1-Trichloroethane	49.7	ND	61.0	123	51-139
1,1,2,2-Tetrachloroethane	49.7	ND	44.1	89	22-173
1,1,2-Trichloroethane	49.7	ND	51.1	103	40-142
1,1-Dichloroethane	49.7	ND	52.5	106	54-130
1,1-Dichloroethene	49.7	ND	61.7	124	52-144
1,2,4-Trichlorobenzene	49.7	ND	35.6	72	10-119
1,2,4-Trimethylbenzene	49.7	ND	51.9	104	10-163
1,2-Dibromoethane (EDB)	49.7	ND	43.7	88	40-144
1,2-Dichlorobenzene	49.7	ND	46.0	93	10-143
1,2-Dichloroethane	49.7	ND	50.5	102	48-128
1,2-Dichloropropane	49.7	ND	55.8	112	47-136
1,3,5-Trimethylbenzene	49.7	ND	54.6	110	10-163
1,3-Dichlorobenzene	49.7	ND	45.9	92	10-147
1,4-Dichlorobenzene	49.7	ND	43.3	87	10-143
2-Butanone (MEK)	249	ND	225	90	31-200
2-Hexanone	249	ND	251	101	23-188
4-Methyl-2-pentanone (MIBK)	249	ND	247	99	38-161
Acetone	249	ND	303	122	16-200
Acrolein	993	ND	1480	149	10-200
Benzene	49.7	ND	56.0	113	46-136
Bromodichloromethane	49.7	ND	52.1	105	38-136
Bromoform	49.7	ND	44.6	90	27-164
Bromomethane	49.7	ND	50.7	102	29-170
Carbon disulfide	49.7	ND	59.5	120	37-136
Carbon tetrachloride	49.7	ND	61.7	124	46-139
Chlorobenzene	49.7	ND	51.3	103	22-138
Chloroethane	49.7	ND	63.1	127	38-162
Chloroform	49.7	ND	50.0	101	53-129
Chloromethane	49.7	ND	46.1	93	32-146
Dibromomethane	49.7	ND	51.3	103	47-135
Dichlorodifluoromethane	49.7	ND	62.2	125	20-178
Ethylbenzene	49.7	ND	55.1	111	20-142
Isopropylbenzene (Cumene)	49.7	ND	59.8	120	14-149
Methyl-tert-butyl ether	49.7	ND	54.0	109	64-135
Methylene Chloride	49.7	ND	52.7	106	39-146
Naphthalene	49.7	ND	38.0	76	10-128
Styrene	49.7	ND	52.6	106	10-136
Tetrachloroethene	49.7	ND	55.6	112	24-151
Toluene	49.7	ND	54.4	109	36-140
Trichloroethene	49.7	ND	59.5	120	31-149
Trichlorofluoromethane	49.7	ND	67.3	136	51-170
Vinyl acetate	199	ND	111	56	10-138
Vinyl chloride	49.7	ND	62.9	127	46-171
cis-1,2-Dichloroethene	49.7	ND	53.4	108	52-131
cis-1,3-Dichloropropene	49.7	ND	49.9	100	38-141
m&p-Xylene	99.3	ND	112	113	16-142

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MSV - FORM III VOA-2
SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana

Matrix Spike - Sample No: 2122402MS

Date Extracted: 09/05/2018

Date Analyzed (1): 09/05/2018

Instrument: 50MV6A

Lab File ID: A090418.B\C10.D

Parent Sample ID: 50204529003

SDG No.: 50204438

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (mg/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
n-Butylbenzene	49.7	ND	53.1	107	10-150
n-Propylbenzene	49.7	ND	54.2	109	10-171
o-Xylene	49.7	ND	56.7	114	16-142
p-Isopropyltoluene	49.7	ND	54.9	111	10-159
sec-Butylbenzene	49.7	ND	58.6	118	10-175
tert-Butylbenzene	49.7	ND	43.5	88	10-162
trans-1,2-Dichloroethene	49.7	ND	60.1	121	53-135
trans-1,3-Dichloropropene	49.7	ND	41.3	83	31-141

Spike Recovery: 0 out of 55 outside limits.

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MSV - FORM III VOA-3
SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV6A Matrix Spike Duplicate - Sample No: 2122403MSD
 Lab File ID (2): A090418.BIC11.D Date Analyzed (2): 09/05/2018

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	48.6	48.9	100	8	0-20	34-148
1,1,1-Trichloroethane	48.6	55.6	114	9	0-20	51-139
1,1,2,2-Tetrachloroethane	48.6	40.0	82	10	0-20	22-173
1,1,2-Trichloroethane	48.6	45.7	94	11	0-20	40-142
1,1-Dichloroethane	48.6	47.5	98	10	0-20	54-130
1,1-Dichloroethene	48.6	57.3	118	7	0-20	52-144
1,2,4-Trichlorobenzene	48.6	30.0	62	17	0-20	10-119
1,2,4-Trimethylbenzene	48.6	47.6	98	9	0-20	10-163
1,2-Dibromoethane (EDB)	48.6	39.1	80	11	0-20	40-144
1,2-Dichlorobenzene	48.6	41.1	85	11	0-20	10-143
1,2-Dichloroethane	48.6	44.9	92	12	0-20	48-128
1,2-Dichloropropane	48.6	51.3	105	8	0-20	47-136
1,3,5-Trimethylbenzene	48.6	49.6	102	9	0-20	10-163
1,3-Dichlorobenzene	48.6	40.5	83	13	0-20	10-147
1,4-Dichlorobenzene	48.6	38.6	79	12	0-20	10-143
2-Butanone (MEK)	243	188	77	18	0-20	31-200
2-Hexanone	243	216	89	15	0-20	23-188
4-Methyl-2-pentanone (MIBK)	243	210	86	16	0-20	38-161
Acetone	243	237	97	25	0-20	16-200
Acrolein	973	1250	129	16	0-20	10-200
Benzene	48.6	51.6	106	8	0-20	46-136
Bromodichloromethane	48.6	47.0	97	10	0-20	38-136
Bromoform	48.6	40.8	84	9	0-20	27-164
Bromomethane	48.6	45.5	94	11	0-20	29-170
Carbon disulfide	48.6	54.6	112	9	0-20	37-136
Carbon tetrachloride	48.6	56.1	115	10	0-20	46-139
Chlorobenzene	48.6	46.0	94	11	0-20	22-138
Chloroethane	48.6	56.6	116	11	0-20	38-162
Chloroform	48.6	45.4	93	10	0-20	53-129
Chloromethane	48.6	41.9	86	10	0-20	32-146
Dibromomethane	48.6	46.4	95	10	0-20	47-135
Dichlorodifluoromethane	48.6	57.2	118	8	0-20	20-178
Ethylbenzene	48.6	51.5	106	7	0-20	20-142
Isopropylbenzene (Cumene)	48.6	54.5	112	9	0-20	14-149
Methyl-tert-butyl ether	48.6	48.4	100	11	0-20	64-135
Methylene Chloride	48.6	46.7	96	12	0-20	39-146
Naphthalene	48.6	33.9	70	11	0-20	10-128
Styrene	48.6	47.4	97	10	0-20	10-136
Tetrachloroethene	48.6	49.7	102	11	0-20	24-151
Toluene	48.6	49.7	102	9	0-20	36-140
Trichloroethene	48.6	53.4	110	11	0-20	31-149
Trichlorofluoromethane	48.6	60.1	124	11	0-20	51-170
Vinyl acetate	194	90.4J	46		0-20	10-138
Vinyl chloride	48.6	57.3	118	9	0-20	46-171
cis-1,2-Dichloroethene	48.6	48.8	100	9	0-20	52-131
cis-1,3-Dichloropropene	48.6	45.0	93	10	0-20	38-141
m&p-Xylene	97.3	101	103	11	0-20	16-142
n-Butylbenzene	48.6	47.8	98	11	0-20	10-150
n-Propylbenzene	48.6	50.9	105	6	0-20	10-171

MSV - FORM III VOA-4
SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV6A Matrix Spike Duplicate - Sample No: 2122403MSD
 Lab File ID (2): A090418.BIC11.D Date Analyzed (2): 09/05/2018

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
o-Xylene	48.6	51.2	105	10	0-20	16-142
p-Isopropyltoluene	48.6	51.7	106	6	0-20	10-159
sec-Butylbenzene	48.6	53.8	111	9	0-20	10-175
tert-Butylbenzene	48.6	40.3	83	8	0-20	10-162
trans-1,2-Dichloroethene	48.6	53.4	110	12	0-20	53-135
trans-1,3-Dichloropropene	48.6	37.1	76	11	0-20	31-141

RPD: 1 out of 54 outside limits.

Spike Recovery: 0 out of 55 outside limits.

MSV - FORM III VOA-5

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - IndianaMatrix Spike - Sample No: 2122400MSDate Extracted: 09/05/2018Date Analyzed (1): 09/05/2018Instrument: 50MV6ALab File ID: A090418.B\C05.DParent Sample ID: LA 312 (RUG-1S)SDG No.: 50204438

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	47.1	ND	47.3	100	34-148
1,1,1-Trichloroethane	47.1	ND	51.5	109	51-139
1,1,2,2-Tetrachloroethane	47.1	ND	39.8	84	22-173
1,1,2-Trichloroethane	47.1	ND	44.7	95	40-142
1,1-Dichloroethane	47.1	ND	43.7	93	54-130
1,1-Dichloroethene	47.1	ND	52.2	111	52-144
1,2,4-Trichlorobenzene	47.1	ND	27.8	59	10-119
1,2,4-Trimethylbenzene	47.1	ND	50.3	107	10-163
1,2-Dibromoethane (EDB)	47.1	ND	38.6	82	40-144
1,2-Dichlorobenzene	47.1	ND	39.9	85	10-143
1,2-Dichloroethane	47.1	ND	44.8	95	48-128
1,2-Dichloropropane	47.1	ND	48.3	102	47-136
1,3,5-Trimethylbenzene	47.1	ND	51.9	110	10-163
1,3-Dichlorobenzene	47.1	ND	42.2	90	10-147
1,4-Dichlorobenzene	47.1	ND	40.1	85	10-143
2-Butanone (MEK)	235	ND	158	67	31-200
2-Hexanone	235	ND	183	78	23-188
4-Methyl-2-pentanone (MIBK)	235	ND	194	82	38-161
Acetone	235	ND	188	80	16-200
Acrolein	943	ND	1090	116	10-200
Benzene	47.1	ND	48.4	103	46-136
Bromodichloromethane	47.1	ND	46.0	98	38-136
Bromoform	47.1	ND	41.6	88	27-164
Bromomethane	47.1	ND	40.6	86	29-170
Carbon disulfide	47.1	ND	48.3	102	37-136
Carbon tetrachloride	47.1	ND	51.2	109	46-139
Chlorobenzene	47.1	ND	44.8	95	22-138
Chloroethane	47.1	ND	51.1	108	38-162
Chloroform	47.1	ND	43.6	93	53-129
Chloromethane	47.1	ND	36.0	76	32-146
Dibromomethane	47.1	ND	46.0	98	47-135
Dichlorodifluoromethane	47.1	ND	53.2	113	20-178
Ethylbenzene	47.1	ND	48.9	104	20-142
Isopropylbenzene (Cumene)	47.1	ND	50.8	108	14-149
Methyl-tert-butyl ether	47.1	ND	51.1	108	64-135
Methylene Chloride	47.1	ND	48.1	102	39-146
Naphthalene	47.1	ND	24.6	52	10-128
Styrene	47.1	ND	45.7	97	10-136
Tetrachloroethene	47.1	ND	49.2	104	24-151
Toluene	47.1	ND	48.4	103	36-140
Trichloroethene	47.1	ND	49.2	104	31-149
Trichlorofluoromethane	47.1	ND	54.7	116	51-170
Vinyl acetate	189	ND	10.3J	5	10-138
Vinyl chloride	47.1	ND	52.9	112	46-171
cis-1,2-Dichloroethene	47.1	ND	47.7	101	52-131
cis-1,3-Dichloropropene	47.1	ND	45.8	97	38-141
m&p-Xylene	94.3	ND	98.1	104	16-142

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MSV - FORM III VOA-6
SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
 Date Extracted: 09/05/2018
 Instrument: 50MV6A
 Parent Sample ID: LA 312 (RUG-1S)

Matrix Spike - Sample No: 2122400MS
 Date Analyzed (1): 09/05/2018
 Lab File ID: A090418.B\C05.D
 SDG No.: 50204438

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
n-Butylbenzene	47.1	ND	50.2	107	10-150
n-Propylbenzene	47.1	ND	53.1	113	10-171
o-Xylene	47.1	ND	49.7	106	16-142
p-Isopropyltoluene	47.1	ND	54.2	115	10-159
sec-Butylbenzene	47.1	ND	56.7	120	10-175
tert-Butylbenzene	47.1	ND	42.1	89	10-162
trans-1,2-Dichloroethene	47.1	ND	50.7	108	53-135
trans-1,3-Dichloropropene	47.1	ND	37.4	79	31-141

Spike Recovery: 1 out of 55 outside limits.

MSV - FORM III VOA-7
SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV6A Matrix Spike Duplicate - Sample No: 2122401MSD
 Lab File ID (2): A090418.BIC06.D Date Analyzed (2): 09/05/2018

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	48.1	45.7	95	4	0-20	34-148
1,1,1-Trichloroethane	48.1	51.3	107	0	0-20	51-139
1,1,2,2-Tetrachloroethane	48.1	40.9	85	3	0-20	22-173
1,1,2-Trichloroethane	48.1	44.8	93	0	0-20	40-142
1,1-Dichloroethane	48.1	44.3	92	1	0-20	54-130
1,1-Dichloroethene	48.1	53.7	111	3	0-20	52-144
1,2,4-Trichlorobenzene	48.1	25.3	53	9	0-20	10-119
1,2,4-Trimethylbenzene	48.1	50.8	105	1	0-20	10-163
1,2-Dibromoethane (EDB)	48.1	38.7	80	0	0-20	40-144
1,2-Dichlorobenzene	48.1	38.2	79	4	0-20	10-143
1,2-Dichloroethane	48.1	43.2	90	4	0-20	48-128
1,2-Dichloropropane	48.1	47.1	98	2	0-20	47-136
1,3,5-Trimethylbenzene	48.1	53.2	111	3	0-20	10-163
1,3-Dichlorobenzene	48.1	41.6	86	1	0-20	10-147
1,4-Dichlorobenzene	48.1	39.0	81	3	0-20	10-143
2-Butanone (MEK)	241	153	63	4	0-20	31-200
2-Hexanone	241	186	77	2	0-20	23-188
4-Methyl-2-pentanone (MIBK)	241	197	82	2	0-20	38-161
Acetone	241	207	86	10	0-20	16-200
Acrolein	963	1080	113	0	0-20	10-200
Benzene	48.1	47.5	99	2	0-20	46-136
Bromodichloromethane	48.1	44.4	92	4	0-20	38-136
Bromoform	48.1	43.8	91	5	0-20	27-164
Bromomethane	48.1	44.1	92	8	0-20	29-170
Carbon disulfide	48.1	47.6	99	1	0-20	37-136
Carbon tetrachloride	48.1	50.7	105	1	0-20	46-139
Chlorobenzene	48.1	43.3	90	4	0-20	22-138
Chloroethane	48.1	53.6	111	5	0-20	38-162
Chloroform	48.1	43.8	91	1	0-20	53-129
Chloromethane	48.1	40.3	84	11	0-20	32-146
Dibromomethane	48.1	45.1	94	2	0-20	47-135
Dichlorodifluoromethane	48.1	53.6	111	1	0-20	20-178
Ethylbenzene	48.1	48.0	100	2	0-20	20-142
Isopropylbenzene (Cumene)	48.1	49.2	102	3	0-20	14-149
Methyl-tert-butyl ether	48.1	50.2	104	2	0-20	64-135
Methylene Chloride	48.1	49.0	102	2	0-20	39-146
Naphthalene	48.1	22.8	47	7	0-20	10-128
Styrene	48.1	43.1	90	6	0-20	10-136
Tetrachloroethene	48.1	48.7	101	1	0-20	24-151
Toluene	48.1	48.6	101	1	0-20	36-140
Trichloroethene	48.1	49.1	102	0	0-20	31-149
Trichlorofluoromethane	48.1	55.5	115	1	0-20	51-170
Vinyl acetate	193	7.1J	4		0-20	10-138
Vinyl chloride	48.1	53.8	112	2	0-20	46-171
cis-1,2-Dichloroethene	48.1	47.2	98	1	0-20	52-131
cis-1,3-Dichloropropene	48.1	46.1	96	1	0-20	38-141
m&p-Xylene	96.3	97.5	101	1	0-20	16-142
n-Butylbenzene	48.1	51.0	106	1	0-20	10-150
n-Propylbenzene	48.1	55.6	115	5	0-20	10-171

MSV - FORM III VOA-8
SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV6A Matrix Spike Duplicate - Sample No: 2122401MSD
 Lab File ID (2): A090418.B\C06.D Date Analyzed (2): 09/05/2018

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
o-Xylene	48.1	48.7	101	2	0-20	16-142
p-Isopropyltoluene	48.1	53.7	111	1	0-20	10-159
sec-Butylbenzene	48.1	57.8	120	2	0-20	10-175
tert-Butylbenzene	48.1	43.1	90	3	0-20	10-162
trans-1,2-Dichloroethene	48.1	51.6	107	2	0-20	53-135
trans-1,3-Dichloropropene	48.1	36.8	76	2	0-20	31-141

RPD: 0 out of 54 outside limits.

Spike Recovery: 1 out of 55 outside limits.

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

2121944BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 50204438 Contract: LA305-LA313
Instrument ID: 50MV2A Matrix: Water Lab Sample ID: 2121944
Lab File ID: A090118.B\C03MB.D Date Analyzed: 09/02/2018 Time: 04:04

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
2121945LCS	2121945	A090118.B\C02LCS.D	09/02/2018 03:40
LA 305 (GW-1)	50204438001	A090118.B\C04.D	09/02/2018 04:28
LA 306 (GW-2)	50204438002	A090118.B\C05.D	09/02/2018 04:53
LA 307 (GW-3)	50204438003	A090118.B\C06.D	09/02/2018 05:17
LA 308 (RUG-1)	50204438004	A090118.B\C07.D	09/02/2018 05:42
LA 309 (RUG-2)	50204438005	A090118.B\C08.D	09/02/2018 06:06
LA 310 (TB)	50204438006	A090118.B\C09.D	09/02/2018 06:30
2121946MS	2121946	A090118.B\C22.D	09/02/2018 11:48
2121947MSD	2121947	A090118.B\C23.D	09/02/2018 12:13

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

2122398BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 50204438 Contract: LA305-LA313
Instrument ID: 50MV6A Matrix: Solid Lab Sample ID: 2122398
Lab File ID: A090418.B\C03MB.D Date Analyzed: 09/04/2018 Time: 23:53

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
2122399LCS	2122399	A090418.B\C02LCS.D	09/04/2018 23:15
LA 312 (RUG-1S)	50204438007	A090418.B\C04.D	09/05/2018 00:31
2122400MS	2122400	A090418.B\C05.D	09/05/2018 01:10
2122401MSD	2122401	A090418.B\C06.D	09/05/2018 01:47

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

2122926BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 50204438 Contract: LA305-LA313
Instrument ID: 50MV6A Matrix: Solid Lab Sample ID: 2122926
Lab File ID: A090518.B\A03MB.D Date Analyzed: 09/05/2018 Time: 12:26

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
2122927LCS	2122927	A090518.B\A02LCS.D	09/05/2018 11:48
LA 313 (RUG-2S)	50204438008	A090518.B\A06.D	09/05/2018 14:21

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Indiana SDG No.: 50204438 Contract: LA305-LA313
 Lab File ID: A082218.BVA00BFB.D BFB Injection Date: 08/22/2018
 Instrument ID: 50MV2A BFB Injection Time: 13:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	20.68
75	30.00 - 60.00% of mass 95	47.09
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.92
173	Less than 2.00% of mass 174	0.00
174	50.00 - 100.00% of mass 95	93.72
175	5.00 - 9.00% of mass 174	6.64 (7.08) ¹
176	95.00 - 101.00% of mass 174	92.81 (99.03) ¹
177	5.00 - 9.00% of mass 176	6.15 (6.63) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
13703011CAL1	13703011CAL1	A082218.BVA02CAL.D	08/22/2018	14:19
13703013CAL2	13703013CAL2	A082218.BVA03CAL.D	08/22/2018	14:52
13703015CAL3	13703015CAL3	A082218.BVA04CAL.D	08/22/2018	15:24
13703018CAL4	13703018CAL4	A082218.BVA05CAL.D	08/22/2018	15:57
13703009CAL5	13703009CAL5	A082218.BVA06CAL.D	08/22/2018	16:29
13703010CAL6	13703010CAL6	A082218.BVA07CAL.D	08/22/2018	17:02
13703012CAL7	13703012CAL7	A082218.BVA08CAL.D	08/22/2018	17:35
13703014CAL8	13703014CAL8	A082218.BVA09CAL.D	08/22/2018	18:07
13703019ICV	13703019ICV	A082218.BVA11ICV.D	08/22/2018	19:13

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Indiana SDG No.: 50204438 Contract: LA305-LA313
 Lab File ID: A090118.B\C00BFB.D BFB Injection Date: 09/02/2018
 Instrument ID: 50MV2A BFB Injection Time: 02:51

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	19.60
75	30.00 - 60.00% of mass 95	45.39
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.46
173	Less than 2.00% of mass 174	0.00
174	50.00 - 100.00% of mass 95	67.80
175	5.00 - 9.00% of mass 174	5.14 (7.58) ¹
176	95.00 - 101.00% of mass 174	65.71 (96.92) ¹
177	5.00 - 9.00% of mass 176	3.71 (5.64) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
13735591CCV	13735591CCV	A090118.B\C01CCV.D	09/02/2018	03:15
2121945LCS	2121945LCS	A090118.B\C02LCS.D	09/02/2018	03:40
2121944BLANK	2121944BLANK	A090118.B\C03MB.D	09/02/2018	04:04
LA 305 (GW-1)	50204438001	A090118.B\C04.D	09/02/2018	04:28
LA 306 (GW-2)	50204438002	A090118.B\C05.D	09/02/2018	04:53
LA 307 (GW-3)	50204438003	A090118.B\C06.D	09/02/2018	05:17
LA 308 (RUG-1)	50204438004	A090118.B\C07.D	09/02/2018	05:42
LA 309 (RUG-2)	50204438005	A090118.B\C08.D	09/02/2018	06:06
LA 310 (TB)	50204438006	A090118.B\C09.D	09/02/2018	06:30
2121946MS	2121946MS	A090118.B\C22.D	09/02/2018	11:48
2121947MSD	2121947MSD	A090118.B\C23.D	09/02/2018	12:13

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Indiana SDG No.: 50204438 Contract: LA305-LA313
 Lab File ID: A082818CAL.BVA00BFB.D BFB Injection Date: 08/28/2018
 Instrument ID: 50MV6A BFB Injection Time: 13:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	19.24
75	30.00 - 60.00% of mass 95	48.76
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.88
173	Less than 2.00% of mass 174	0.00
174	50.00 - 100.00% of mass 95	87.08
175	5.00 - 9.00% of mass 174	6.98 (8.01) ¹
176	95.00 - 101.00% of mass 174	82.88 (95.18) ¹
177	5.00 - 9.00% of mass 176	5.38 (6.49) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
13717478CAL1	13717478CAL1	A082818CAL.BVA01.D	08/28/2018	14:20
13717474CAL2	13717474CAL2	A082818CAL.BVA02.D	08/28/2018	14:59
13717481CAL3	13717481CAL3	A082818CAL.BVA03.D	08/28/2018	15:37
13717482CAL4	13717482CAL4	A082818CAL.BVA04.D	08/28/2018	16:15
13717475CAL5	13717475CAL5	A082818CAL.BVA05.D	08/28/2018	16:53
13717483CAL6	13717483CAL6	A082818CAL.BVA06.D	08/28/2018	17:31
13717484CAL7	13717484CAL7	A082818CAL.BVA07.D	08/28/2018	18:09
13717477CAL8	13717477CAL8	A082818CAL.BVA08.D	08/28/2018	18:47
13717480ICV	13717480ICV	A082818CAL.BVA10ICV.D	08/28/2018	20:03

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Indiana SDG No.: 50204438 Contract: LA305-LA313
 Lab File ID: A090418.B\C00BFB.D BFB Injection Date: 09/04/2018
 Instrument ID: 50MV6A BFB Injection Time: 21:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	17.31
75	30.00 - 60.00% of mass 95	46.39
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.69
173	Less than 2.00% of mass 174	0.00
174	50.00 - 100.00% of mass 95	93.27
175	5.00 - 9.00% of mass 174	7.27 (7.79) ¹
176	95.00 - 101.00% of mass 174	90.17 (96.68) ¹
177	5.00 - 9.00% of mass 176	5.80 (6.44) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
13740061CCV	13740061CCV	A090418.B\C01CCV.D	09/04/2018	22:37
2122399LCS	2122399LCS	A090418.B\C02LCS.D	09/04/2018	23:15
2122398BLANK	2122398BLANK	A090418.B\C03MB.D	09/04/2018	23:53
LA 312 (RUG-1S)	50204438007	A090418.B\C04.D	09/05/2018	00:31
2122400MS	2122400MS	A090418.B\C05.D	09/05/2018	01:10
2122401MSD	2122401MSD	A090418.B\C06.D	09/05/2018	01:47

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Indiana SDG No.: 50204438 Contract: LA305-LA313
 Lab File ID: A090518.BVA00BFB.D BFB Injection Date: 09/05/2018
 Instrument ID: 50MV6A BFB Injection Time: 10:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	19.24
75	30.00 - 60.00% of mass 95	48.27
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.30
173	Less than 2.00% of mass 174	0.00
174	50.00 - 100.00% of mass 95	94.07
175	5.00 - 9.00% of mass 174	7.33 (7.79) ¹
176	95.00 - 101.00% of mass 174	89.40 (95.04) ¹
177	5.00 - 9.00% of mass 176	6.00 (6.71) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
13752262CCV	13752262CCV	A090518.BVA01CCV.D	09/05/2018	11:10
2122927LCS	2122927LCS	A090518.BVA02LCS.D	09/05/2018	11:48
2122926BLANK	2122926BLANK	A090518.BVA03MB.D	09/05/2018	12:26
LA 313 (RUG-2S)	50204438008	A090518.BVA06.D	09/05/2018	14:21

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 50204438 Contract: LA305-LA313
 Sample ID : 13735591CCV Date Analyzed: 09/02/2018
 Instrument ID: 50MV2A GC Column: Col 1 Time Analyzed: 03:15
 Lab File ID: A090118.B\C01CCV.D

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		224485	7.541	120486	9.269	294633	4.361
UPPER LIMIT		448970	8.041	240972	9.769	589266	4.861
LOWER LIMIT		112242.5	7.041	60243	8.769	147316.5	3.861
LAB SAMPLE ID	SAMPLE NO.						
2121944	2121944BLANK	220139	7.541	114161	9.269	289572	4.361
2121945	2121945LCS	221527	7.541	120985	9.269	293800	4.358
2121946	2121946MS	220055	7.541	117592	9.269	289701	4.358
2121947	2121947MSD	219418	7.541	119608	9.269	289760	4.361
50204438001	LA 305 (GW-1)	212726	7.541	114143	9.269	275674	4.361
50204438002	LA 306 (GW-2)	215618	7.541	112556	9.269	279535	4.358
50204438003	LA 307 (GW-3)	211632	7.541	111008	9.269	275397	4.355
50204438004	LA 308 (RUG-1)	209394	7.541	111703	9.269	272806	4.361
50204438005	LA 309 (RUG-2)	215064	7.541	113584	9.269	278187	4.361
50204438006	LA 310 (TB)	212642	7.541	113025	9.269	267258	4.358

CBZ = Chlorobenzene-D5 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

FBZ = Fluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 50204438 Contract: LA305-LA313

Sample ID : 13740061CCV Date Analyzed: 09/04/2018

Instrument ID: 50MV6A GC Column: Col 1 Time Analyzed: 22:37

Lab File ID: A090418.B\C01CCV.D

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		73180	7.149	40519	8.529	98239	4.024
UPPER LIMIT		146360	7.649	81038	9.029	196478	4.524
LOWER LIMIT		36590	6.649	20259.5	8.029	49119.5	3.524
LAB SAMPLE ID	SAMPLE NO.						
2122398	2122398BLANK	72112	7.149	38229	8.529	88308	4.025
2122399	2122399LCS	73515	7.149	39982	8.529	98797	4.025
2122400	2122400MS	57817	7.149	29122	8.529	81130	4.025
2122401	2122401MSD	49858	7.149	23097	8.529	72706	4.025
50204438007	LA 312 (RUG-1S)	59829	7.149	28087	8.529	76391	4.025

CBZ = Chlorobenzene-D5 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

FBZ = Fluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 50204438 Contract: LA305-LA313
 Sample ID : 13752262CCV Date Analyzed: 09/05/2018
 Instrument ID: 50MV6A GC Column: Col 1 Time Analyzed: 11:10
 Lab File ID: A090518.B\A01CCV.D

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		48545	7.149	30358	8.529	65397	4.025
UPPER LIMIT		97090	7.649	60716	9.029	130794	4.525
LOWER LIMIT		24272.5	6.649	15179	8.029	32698.5	3.525
LAB SAMPLE ID	SAMPLE NO.						
2122926	2122926BLANK	51385	7.149	26664	8.529	62872	4.025
2122927	2122927LCS	54521	7.149	31849	8.529	71280	4.025
50204438008	LA 313 (RUG-2S)	37926	7.149	15312	8.529	48867	4.025

CBZ = Chlorobenzene-D5 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

FBZ = Fluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA 305 (GW-1)

Lab Name: Pace Analytical - Indiana
Date Received: 08/29/2018 09:15
Date Extracted: 09/02/2018 04:28
Date Analyzed: 09/02/2018 04:28
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Water SDG No.: 50204438
Lab Sample ID: 50204438001
Lab File ID: A090118.B\C04.D
Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U

09/10/2018 6:13

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA 305 (GW-1)

Lab Name: Pace Analytical - Indiana
 Date Received: 08/29/2018 09:15
 Date Extracted: 09/02/2018 04:28
 Date Analyzed: 09/02/2018 04:28
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
 Matrix: Water SDG No.: 50204438
 Lab Sample ID: 50204438001
 Lab File ID: A090118.B\C04.D
 Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
179601-23-1	m&p-Xylene	ND	U
95-47-6	o-Xylene	ND	U

MSV - FORM I VOA-TIC-1
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO. LA 305 (GW-1)

Lab Name: Pace Analytical - Indiana
 Date Received: 08/29/2018 09:15
 Date Extracted: 09/02/2018 04:28
 Date Analyzed: 09/02/2018 04:28
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
 Matrix: Water SDG No.: 50204438
 Lab Sample ID: 50204438001
 Lab File ID: A090118.B\C04.D
 Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	RT	EST. CONC. UNITS: ug/L	Q
	Unknown	0.855	151	J
	Unknown	1.818	2.8	J
	Unknown	3.932	21.1	J
	Unknown	11.417	4.2	J

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a090118.b\c04.d
 Lab Smp Id: 50204438001 Client Smp ID: LA 305 (GW-1)
 Inj Date : 02-SEP-2018 04:28
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 50204438001
 Misc Info : 117838
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a090118.b\ -a8260_a_c.m
 Meth Date : 04-Sep-2018 10:47 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 30
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ppb)	FINAL (ppb)	
\$ 36 Dibromofluoromethane (S)	113		3.501	3.495	(0.803)	67922	55.1683	55.2	
* 45 Fluorobenzene	96		4.360	4.360	(1.000)	275674	50.0000		
\$ 57 Toluene-d8	98		6.185	6.185	(0.820)	268633	51.6498	51.6	
* 67 Chlorobenzene-d5	117		7.540	7.540	(1.000)	212726	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.461	8.461	(1.122)	106494	53.4877	53.5	
* 91 1,4-Dichlorobenzene-d4	152		9.268	9.268	(1.000)	114143	50.0000		

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a090118.b\c04.d
 Lab Smp Id: 50204438001 Client Smp ID: LA 305 (GW-1)
 Inj Date : 02-SEP-2018 04:28
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 50204438001
 Misc Info : 117838
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a090118.b\ -a8260_a_c.m
 Meth Date : 04-Sep-2018 10:47 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 30
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

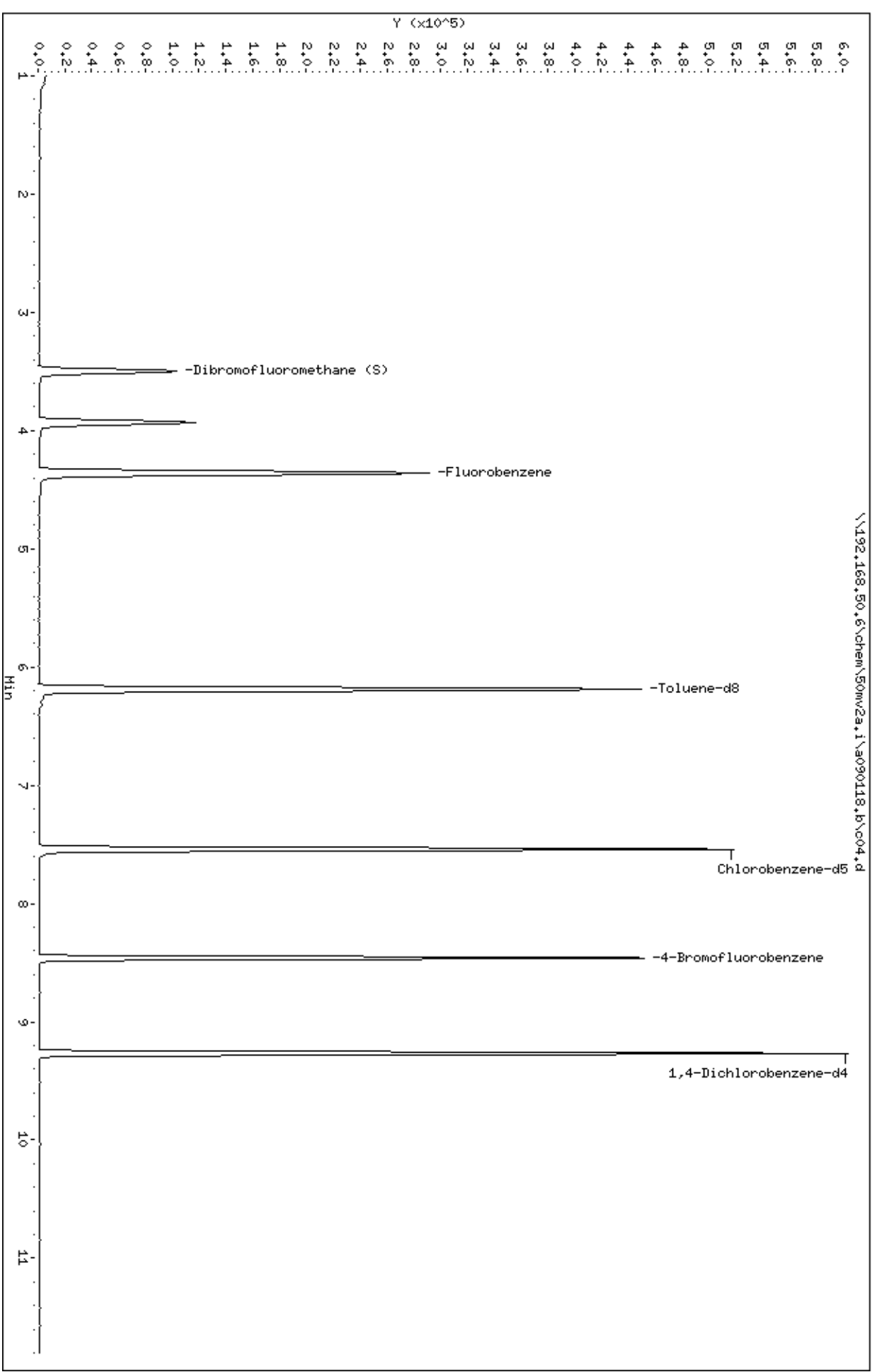
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

COMPOUND	RT	AREA	AMOUNT
\$ 36 Dibromofluoromethane (S)	3.501	230133	55.168
* 45 Fluorobenzene	4.361	588655	50.000
* 91 1,4-Dichlorobenzene-d4	9.269	648726	50.000

RT	CONCENTRATIONS				QUANT			REVIEW CODE
	AREA	ON-COL(ppb)	FINAL(ppb)	QUAL	LIBRARY	LIB ENTRY	CPND #	
Unknown								
0.855	630874	151.235003	151	0		0	36	
Unknown								
1.818	11725	2.81071097	2.81	0		0	36	
Unknown								
3.932	247917	21.0578923	21.0	0		0	45	
Unknown								
11.417	54521	4.20219451	4.20	0		0	91	

Data File: \\192.168.50.6\chem\50mw2a.i\A090118.b\c04.d
Date : 02-SEP-2018 04:28
Client ID: LA 305 (GM-1)
Sample Info: 50204438001
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw2a.i
Operator: amw
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv2a.i\a090118.b/c04.d
Injection Date: 02-SEP-2018 04:28
Instrument: 50mv2a.i
Lab Sample ID: 50204438001
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA 306 (GW-2)

Lab Name: Pace Analytical - Indiana
Date Received: 08/29/2018 09:15
Date Extracted: 09/02/2018 04:53
Date Analyzed: 09/02/2018 04:53
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Water SDG No.: 50204438
Lab Sample ID: 50204438002
Lab File ID: A090118.B\C05.D
Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U

09/10/2018 6:13

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA 306 (GW-2)

Lab Name: Pace Analytical - Indiana
 Date Received: 08/29/2018 09:15
 Date Extracted: 09/02/2018 04:53
 Date Analyzed: 09/02/2018 04:53
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
 Matrix: Water SDG No.: 50204438
 Lab Sample ID: 50204438002
 Lab File ID: A090118.B\C05.D
 Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
179601-23-1	m&p-Xylene	ND	U
95-47-6	o-Xylene	ND	U

MSV - FORM I VOA-TIC-1
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO. LA 306 (GW-2)

Lab Name: Pace Analytical - Indiana
 Date Received: 08/29/2018 09:15
 Date Extracted: 09/02/2018 04:53
 Date Analyzed: 09/02/2018 04:53
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
 Matrix: Water SDG No.: 50204438
 Lab Sample ID: 50204438002
 Lab File ID: A090118.B\C05.D
 Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	RT	EST. CONC. UNITS: ug/L	Q
75-68-3	Ethane, 1-chloro-1,1-difluoro-	3.93	21.8	N J
	Unknown	0.855	144	J
	Unknown	10.69	3.0	J
	Unknown	1.815	3.6	J

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a090118.b\c05.d
 Lab Smp Id: 50204438002 Client Smp ID: LA 306 (GW-2)
 Inj Date : 02-SEP-2018 04:53
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 50204438002
 Misc Info : 117838
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a090118.b\ -a8260_a_c.m
 Meth Date : 04-Sep-2018 10:47 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 31
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ppb)	FINAL (ppb)	
\$ 36 Dibromofluoromethane (S)	113		3.495	3.495	(0.802)	68518	54.8838	54.9	
* 45 Fluorobenzene	96		4.358	4.360	(1.000)	279535	50.0000		
\$ 57 Toluene-d8	98		6.185	6.185	(0.820)	271458	51.4929	51.5	
* 67 Chlorobenzene-d5	117		7.540	7.540	(1.000)	215618	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.459	8.461	(1.122)	103276	51.1757	51.2	
* 91 1,4-Dichlorobenzene-d4	152		9.268	9.268	(1.000)	112556	50.0000		

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\A090118.b\c05.d
 Lab Smp Id: 50204438002 Client Smp ID: LA 306 (GW-2)
 Inj Date : 02-SEP-2018 04:53
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 50204438002
 Misc Info : 117838
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\A090118.b\A8260_a_c.m
 Meth Date : 04-Sep-2018 10:47 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 31
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

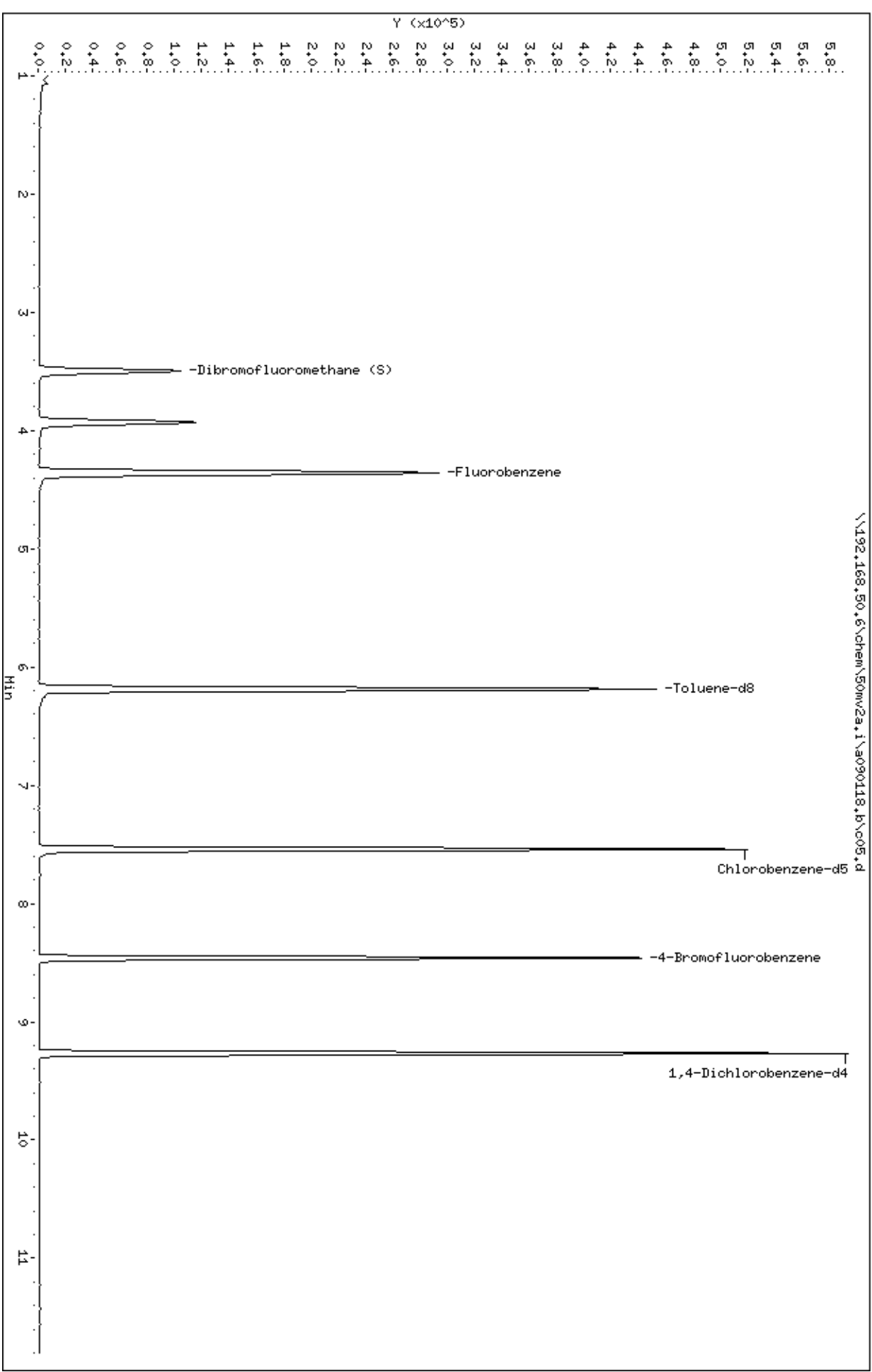
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

COMPOUND	RT	AREA	AMOUNT
\$ 36 Dibromofluoromethane (S)	3.495	238633	54.884
* 45 Fluorobenzene	4.358	602018	50.000
* 91 1,4-Dichlorobenzene-d4	9.269	648089	50.000

RT	CONCENTRATIONS				QUANT			REVIEW CODE
	AREA	ON-COL(ppb)	FINAL(ppb)	QUAL	LIBRARY	LIB ENTRY	CPND #	
Unknown								
0.855	626753	144.148113	144	0		0	36	
Unknown								
1.815	15674	3.60481632	3.60	0		0	36	
Ethane, 1-chloro-1,1-difluoro-								
3.930	261966	21.7573026	21.8	36	WILEY.1	115356	45	
Unknown								
10.690	38431	2.96493944	2.96	0		0	91	

Data File: \\192.168.50.6\chem\50mw2a.1\A090118.B\c05.d
Date : 02-SEP-2018 04:53
Client ID: LA 306 (GM-2)
Sample Info: 50204438002
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw2a.1
Operator: amw
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv2a.i\a090118.b/c05.d
Injection Date: 02-SEP-2018 04:53
Instrument: 50mv2a.i
Lab Sample ID: 50204438002
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA 307 (GW-3)

Lab Name: Pace Analytical - Indiana
Date Received: 08/29/2018 09:15
Date Extracted: 09/02/2018 05:17
Date Analyzed: 09/02/2018 05:17
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Water SDG No.: 50204438
Lab Sample ID: 50204438003
Lab File ID: A090118.B\C06.D
Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U

09/10/2018 6:13

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA 307 (GW-3)

Lab Name: Pace Analytical - Indiana
Date Received: 08/29/2018 09:15
Date Extracted: 09/02/2018 05:17
Date Analyzed: 09/02/2018 05:17
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Water SDG No.: 50204438
Lab Sample ID: 50204438003
Lab File ID: A090118.B\C06.D
Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
179601-23-1	m&p-Xylene	ND	U
95-47-6	o-Xylene	ND	U

MSV - FORM I VOA-TIC-1
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO. LA 307 (GW-3)

Lab Name: <u>Pace Analytical - Indiana</u>	Contract: <u>LA305-LA313</u>
Date Received: <u>08/29/2018 09:15</u>	Matrix: <u>Water</u> SDG No.: <u>50204438</u>
Date Extracted: <u>09/02/2018 05:17</u>	Lab Sample ID: <u>50204438003</u>
Date Analyzed: <u>09/02/2018 05:17</u>	Lab File ID: <u>A090118.B\C06.D</u>
Initial wt/vol: <u>5 mL</u> Final wt/vol: <u>5 mL</u> Dilution: <u>1</u>	Instrument: <u>50MV2A</u> Percent Moisture: <u> </u>

CAS NO.	COMPOUND	RT	EST. CONC. UNITS: ug/L	Q
	Unknown	0.855	156	J
	Unknown	3.93	21.1	J
	Unknown	11.483	3.8	J
	Unknown	1.954	4.4	J

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a090118.b\c06.d
 Lab Smp Id: 50204438003 Client Smp ID: LA 307 (GW-3)
 Inj Date : 02-SEP-2018 05:17
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 50204438003
 Misc Info : 117838
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a090118.b\ -a8260_a_c.m
 Meth Date : 04-Sep-2018 10:47 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 32
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ppb)	FINAL (ppb)	
\$ 36 Dibromofluoromethane (S)	113		3.498	3.495	(0.803)	68487	55.6832	55.7	
* 45 Fluorobenzene	96		4.355	4.360	(1.000)	275397	50.0000		
\$ 57 Toluene-d8	98		6.188	6.185	(0.821)	270430	52.2641	52.3	
* 67 Chlorobenzene-d5	117		7.541	7.540	(1.000)	211632	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.459	8.461	(1.122)	104315	52.6641	52.7	
* 91 1,4-Dichlorobenzene-d4	152		9.268	9.268	(1.000)	111008	50.0000		

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a090118.b\c06.d
 Lab Smp Id: 50204438003 Client Smp ID: LA 307 (GW-3)
 Inj Date : 02-SEP-2018 05:17
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 50204438003
 Misc Info : 117838
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a090118.b\ -a8260_a_c.m
 Meth Date : 04-Sep-2018 10:47 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 32
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

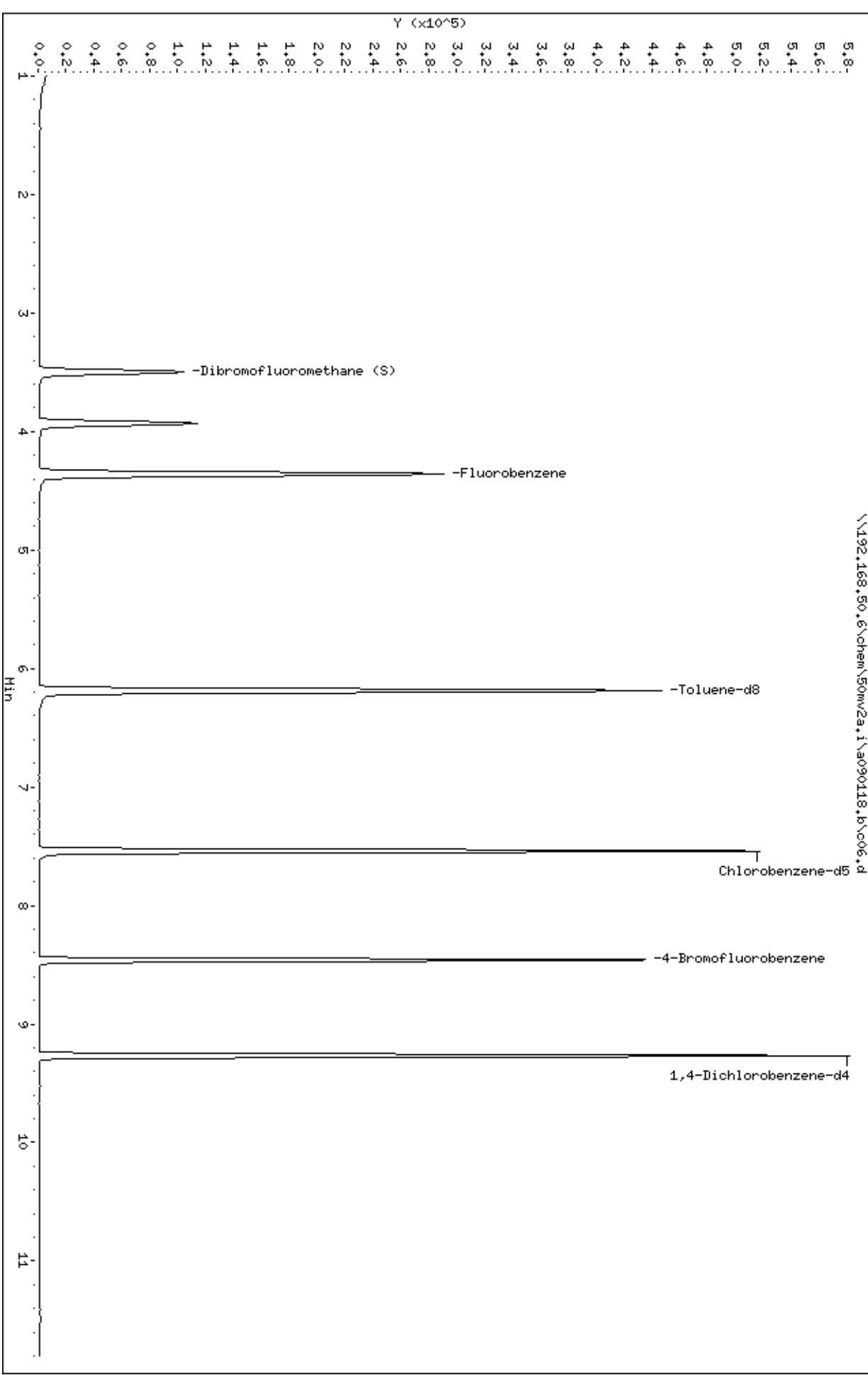
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

COMPOUND	RT	AREA	AMOUNT
\$ 36 Dibromofluoromethane (S)	3.498	224548	55.683
* 45 Fluorobenzene	4.355	590543	50.000
* 91 1,4-Dichlorobenzene-d4	9.269	645912	50.000

RT	CONCENTRATIONS				QUANT			REVIEW CODE
	AREA	ON-COL(ppb)	FINAL(ppb)	QUAL	LIBRARY	LIB ENTRY	CPND #	
Unknown								
0.855	627788	155.678080	156	0		0	36	
Unknown								
1.954	17849	4.42613628	4.43	0		0	36	
Unknown								
3.930	249688	21.1405069	21.1	0		0	45	
Unknown								
11.483	49198	3.80843484	3.81	0		0	91	

Data File: \\192.168.50.6\chem\50mw2a.1\A090118.B\c06.d
Date: 02-SEP-2018 05:17
Client ID: LA 307 (GM-3)
Sample Info: 50204438003
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw2a.1
Operator: amw
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv2a.i\a090118.b/c06.d
Injection Date: 02-SEP-2018 05:17
Instrument: 50mv2a.i
Lab Sample ID: 50204438003
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
LA 308 (RUG-1)

Lab Name: Pace Analytical - Indiana
Date Received: 08/29/2018 09:15
Date Extracted: 09/02/2018 05:42
Date Analyzed: 09/02/2018 05:42
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Water SDG No.: 50204438
Lab Sample ID: 50204438004
Lab File ID: A090118.B\C07.D
Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA 308 (RUG-1)

Lab Name: Pace Analytical - Indiana
 Date Received: 08/29/2018 09:15
 Date Extracted: 09/02/2018 05:42
 Date Analyzed: 09/02/2018 05:42
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
 Matrix: Water SDG No.: 50204438
 Lab Sample ID: 50204438004
 Lab File ID: A090118.B\C07.D
 Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
179601-23-1	m&p-Xylene	ND	U
95-47-6	o-Xylene	ND	U

MSV - FORM I VOA-TIC-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

LA 308 (RUG-1)

Lab Name: Pace Analytical - Indiana
Date Received: 08/29/2018 09:15
Date Extracted: 09/02/2018 05:42
Date Analyzed: 09/02/2018 05:42
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Water SDG No.: 50204438
Lab Sample ID: 50204438004
Lab File ID: A090118.B\C07.D
Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	RT	EST. CONC. UNITS: ug/L	Q
	Unknown	0.855	155	J
	Unknown	10.22	4.1	J
	Unknown	3.93	61.6	J

09/10/2018 6:14

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a090118.b\c07.d
 Lab Smp Id: 50204438004 Client Smp ID: LA 308 (RUG-1)
 Inj Date : 02-SEP-2018 05:42
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 50204438004
 Misc Info : 117838
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a090118.b\ -a8260_a_c.m
 Meth Date : 04-Sep-2018 10:47 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 33
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ppb)	FINAL (ppb)	
\$ 36 Dibromofluoromethane (S)	113		3.501	3.495	(0.803)	67844	55.6843	55.7	
* 45 Fluorobenzene	96		4.360	4.360	(1.000)	272806	50.0000		
\$ 57 Toluene-d8	98		6.188	6.185	(0.821)	264988	51.7597	51.8	
* 67 Chlorobenzene-d5	117		7.541	7.540	(1.000)	209394	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.461	8.461	(1.122)	104045	53.0892	53.1	
* 91 1,4-Dichlorobenzene-d4	152		9.268	9.268	(1.000)	111703	50.0000		

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a090118.b\c07.d
 Lab Smp Id: 50204438004 Client Smp ID: LA 308 (RUG-1)
 Inj Date : 02-SEP-2018 05:42
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 50204438004
 Misc Info : 117838
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a090118.b\ -a8260_a_c.m
 Meth Date : 04-Sep-2018 10:47 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 33
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

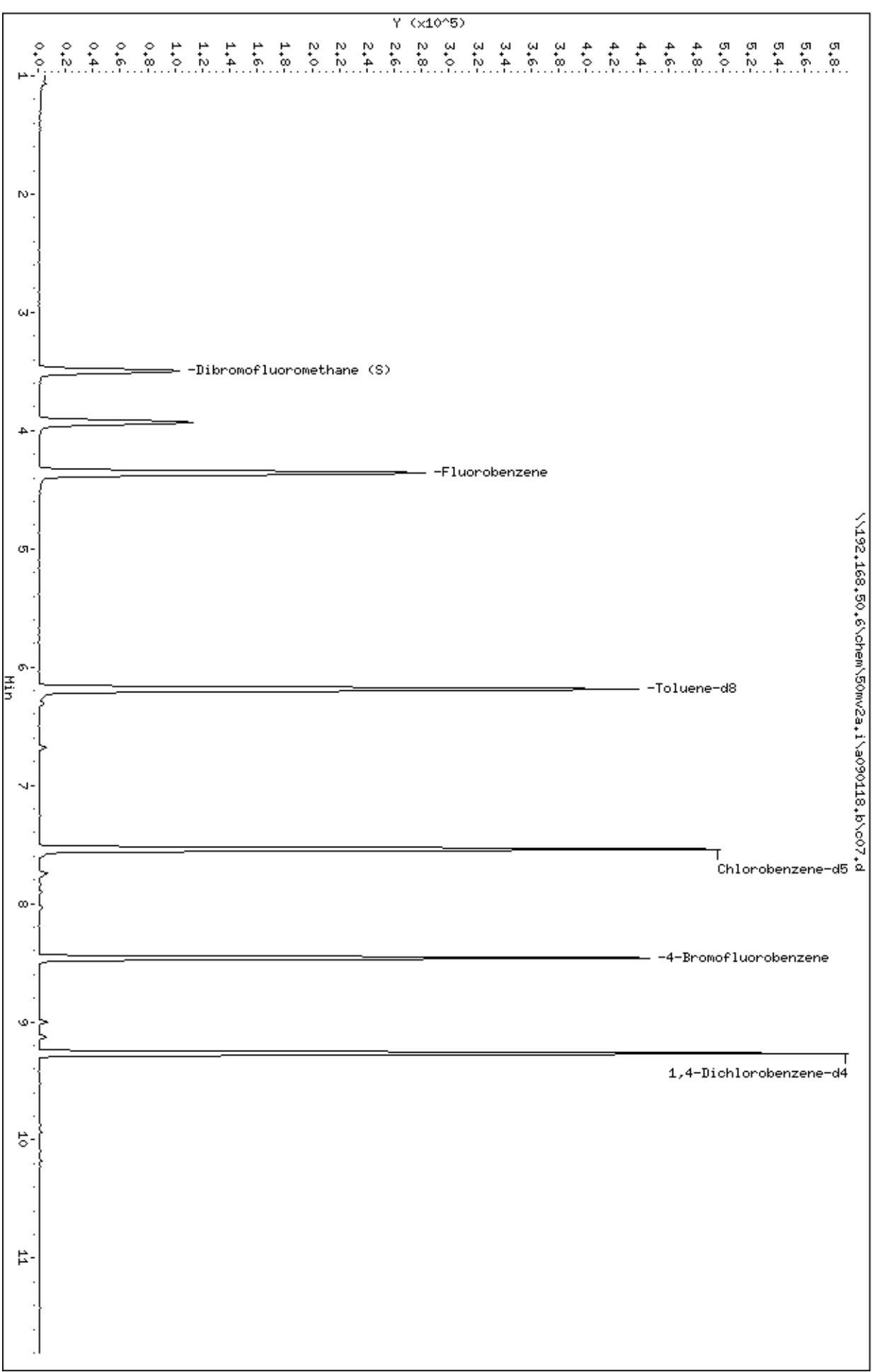
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

COMPOUND	RT	AREA	AMOUNT
\$ 36 Dibromofluoromethane (S)	3.501	227245	55.684
* 91 1,4-Dichlorobenzene-d4	9.269	634796	50.000

RT	CONCENTRATIONS				QUANT			REVIEW CODE
	AREA	ON-COL(ppb)	FINAL(ppb)	QUAL	LIBRARY	LIB ENTRY	CPND #	
Unknown								
0.855	631708	154.793690	155	0		0	36	
Unknown								
3.930	251540	61.6374632	61.6	0		0	36	
Unknown								
10.220	52608	4.14368144	4.14	0		0	91	

Data File: \\192.168.50.6\chem\50mw2a.i\A090118.b\c07.d
Date : 02-SEP-2018 05:42
Client ID: LA 308 (RUG-1)
Sample Info: 50204438004
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw2a.i
Operator: amw
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv2a.i\a090118.b/c07.d
Injection Date: 02-SEP-2018 05:42
Instrument: 50mv2a.i
Lab Sample ID: 50204438004
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
LA 309 (RUG-2)

Lab Name: Pace Analytical - Indiana
Date Received: 08/29/2018 09:15
Date Extracted: 09/02/2018 06:06
Date Analyzed: 09/02/2018 06:06
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Water SDG No.: 50204438
Lab Sample ID: 50204438005
Lab File ID: A090118.B\C08.D
Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA 309 (RUG-2)

Lab Name: Pace Analytical - Indiana
 Date Received: 08/29/2018 09:15
 Date Extracted: 09/02/2018 06:06
 Date Analyzed: 09/02/2018 06:06
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
 Matrix: Water SDG No.: 50204438
 Lab Sample ID: 50204438005
 Lab File ID: A090118.B\C08.D
 Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
179601-23-1	m&p-Xylene	ND	U
95-47-6	o-Xylene	ND	U

MSV - FORM I VOA-TIC-1
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO. LA 309 (RUG-2)

Lab Name: <u>Pace Analytical - Indiana</u>	Contract: <u>LA305-LA313</u>
Date Received: <u>08/29/2018 09:15</u>	Matrix: <u>Water</u> SDG No.: <u>50204438</u>
Date Extracted: <u>09/02/2018 06:06</u>	Lab Sample ID: <u>50204438005</u>
Date Analyzed: <u>09/02/2018 06:06</u>	Lab File ID: <u>A090118.B\C08.D</u>
Initial wt/vol: <u>5 mL</u> Final wt/vol: <u>5 mL</u> Dilution: <u>1</u>	Instrument: <u>50MV2A</u> Percent Moisture: <u> </u>

CAS NO.	COMPOUND	RT	EST. CONC. UNITS: ug/L	Q
	Unknown	0.855	158	J
	Unknown	3.932	21.9	J
	Unknown	1.957	3.3	J

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a090118.b\c08.d
 Lab Smp Id: 50204438005 Client Smp ID: LA 309 (RUG-2)
 Inj Date : 02-SEP-2018 06:06
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 50204438005
 Misc Info : 117838
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a090118.b\ -a8260_a_c.m
 Meth Date : 04-Sep-2018 10:47 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 34
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ppb)	FINAL (ppb)	
\$ 36 Dibromofluoromethane (S)	113		3.492	3.495	(0.801)	69198	55.6970	55.7	
* 45 Fluorobenzene	96		4.360	4.360	(1.000)	278187	50.0000		
\$ 57 Toluene-d8	98		6.186	6.185	(0.820)	270036	51.3551	51.4	
* 67 Chlorobenzene-d5	117		7.540	7.540	(1.000)	215064	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.461	8.461	(1.122)	104642	51.9862	52.0	
* 91 1,4-Dichlorobenzene-d4	152		9.268	9.268	(1.000)	113584	50.0000		

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a090118.b\c08.d
 Lab Smp Id: 50204438005 Client Smp ID: LA 309 (RUG-2)
 Inj Date : 02-SEP-2018 06:06
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 50204438005
 Misc Info : 117838
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a090118.b\ -a8260_a_c.m
 Meth Date : 04-Sep-2018 10:47 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 34
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

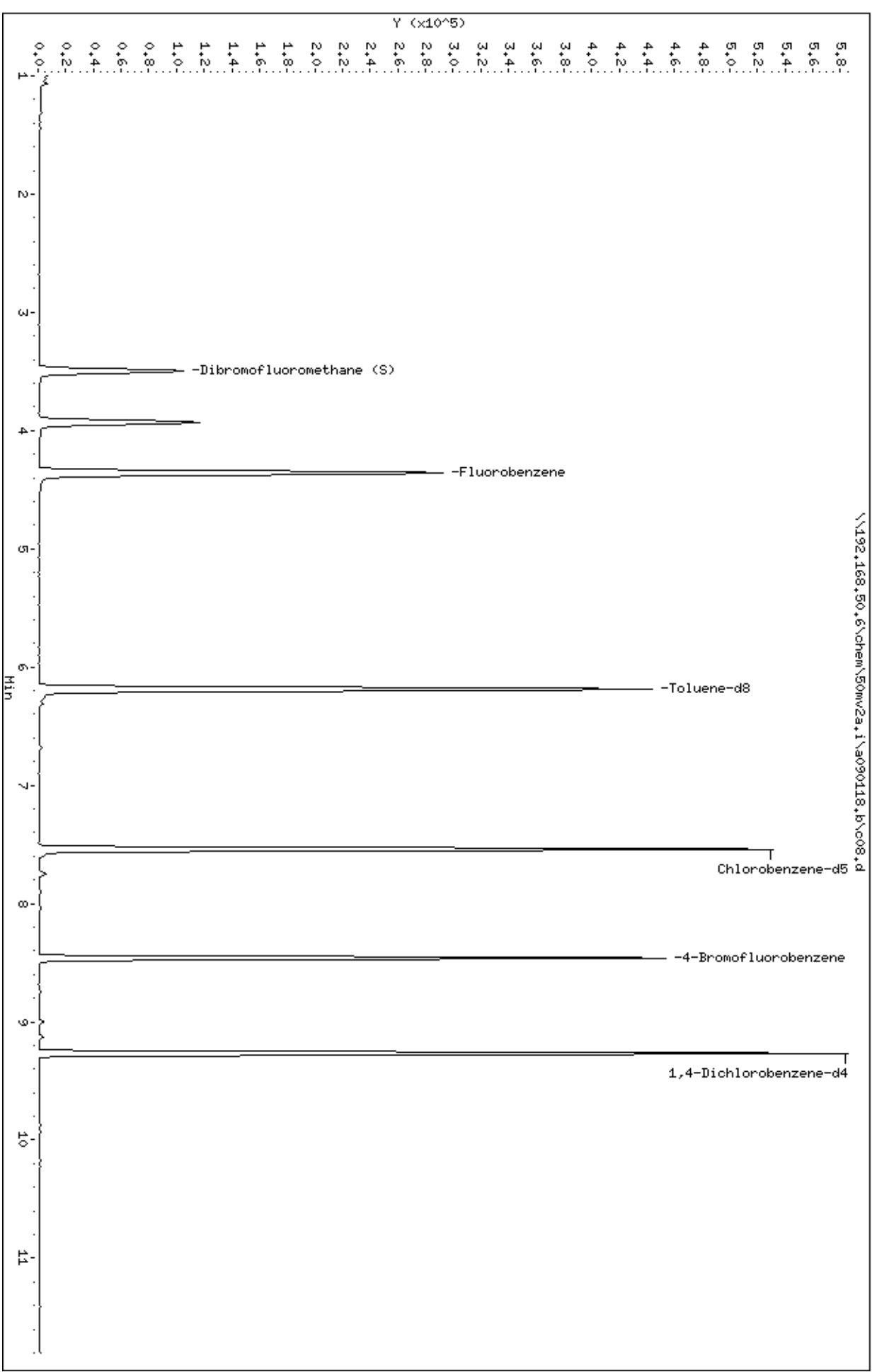
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

COMPOUND	RT	AREA	AMOUNT
\$ 36 Dibromofluoromethane (S)	3.493	227106	55.697
* 45 Fluorobenzene	4.361	595557	50.000

RT	CONCENTRATIONS				QUANT			REVIEW CODE
	AREA	ON-COL(ppb)	FINAL(ppb)	QUAL	LIBRARY	LIB ENTRY	CPND #	
Unknown								
0.855	642512	157.573926	158	0		0	36	
Unknown								
1.957	13402	3.28670260	3.29	0		0	36	
Unknown								
3.932	260869	21.9012544	21.9	0		0	45	

Data File: \\192.168.50.6\chem\50mw2a.1\A090118.B\c08.d
Date : 02-SEP-2018 06:06
Client ID: LA 309 (RUG-2)
Sample Info: 50204438005
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw2a.1
Operator: amw
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv2a.i\a090118.b/c08.d
Injection Date: 02-SEP-2018 06:06
Instrument: 50mv2a.i
Lab Sample ID: 50204438005
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA 310 (TB)

Lab Name: Pace Analytical - Indiana
Date Received: 08/29/2018 09:15
Date Extracted: 09/02/2018 06:30
Date Analyzed: 09/02/2018 06:30
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Water SDG No.: 50204438
Lab Sample ID: 50204438006
Lab File ID: A090118.B\C09.D
Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U

09/10/2018 6:14

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA 310 (TB)

Lab Name: Pace Analytical - Indiana
 Date Received: 08/29/2018 09:15
 Date Extracted: 09/02/2018 06:30
 Date Analyzed: 09/02/2018 06:30
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
 Matrix: Water SDG No.: 50204438
 Lab Sample ID: 50204438006
 Lab File ID: A090118.B\C09.D
 Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
179601-23-1	m&p-Xylene	ND	U
95-47-6	o-Xylene	ND	U

MSV - FORM I VOA-TIC-1
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

LA 310 (TB)

Lab Name: Pace Analytical - Indiana Contract: LA305-LA313
 Date Received: 08/29/2018 09:15 Matrix: Water SDG No.: 50204438
 Date Extracted: 09/02/2018 06:30 Lab Sample ID: 50204438006
 Date Analyzed: 09/02/2018 06:30 Lab File ID: A090118.B\C09.D
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	RT	EST. CONC. UNITS: ug/L	Q
	Unknown	3.93	20.9	J
	Unknown	0.844	49.9	J

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a090118.b\c09.d
 Lab Smp Id: 50204438006 Client Smp ID: LA 310 (TB)
 Inj Date : 02-SEP-2018 06:30
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 50204438006
 Misc Info : 117838
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a090118.b\ -a8260_a_c.m
 Meth Date : 04-Sep-2018 10:47 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 35
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ppb)	FINAL (ppb)	
\$ 36 Dibromofluoromethane (S)	113		3.498	3.495	(0.803)	66035	55.3247	55.3	
* 45 Fluorobenzene	96		4.358	4.360	(1.000)	267258	50.0000		
\$ 57 Toluene-d8	98		6.186	6.185	(0.820)	265990	51.1618	51.2	
* 67 Chlorobenzene-d5	117		7.540	7.540	(1.000)	212642	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.461	8.461	(1.122)	106851	53.6882	53.7	
* 91 1,4-Dichlorobenzene-d4	152		9.268	9.268	(1.000)	113025	50.0000		

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a090118.b\c09.d
 Lab Smp Id: 50204438006 Client Smp ID: LA 310 (TB)
 Inj Date : 02-SEP-2018 06:30
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 50204438006
 Misc Info : 117838
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a090118.b\ -a8260_a_c.m
 Meth Date : 04-Sep-2018 10:47 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 35
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

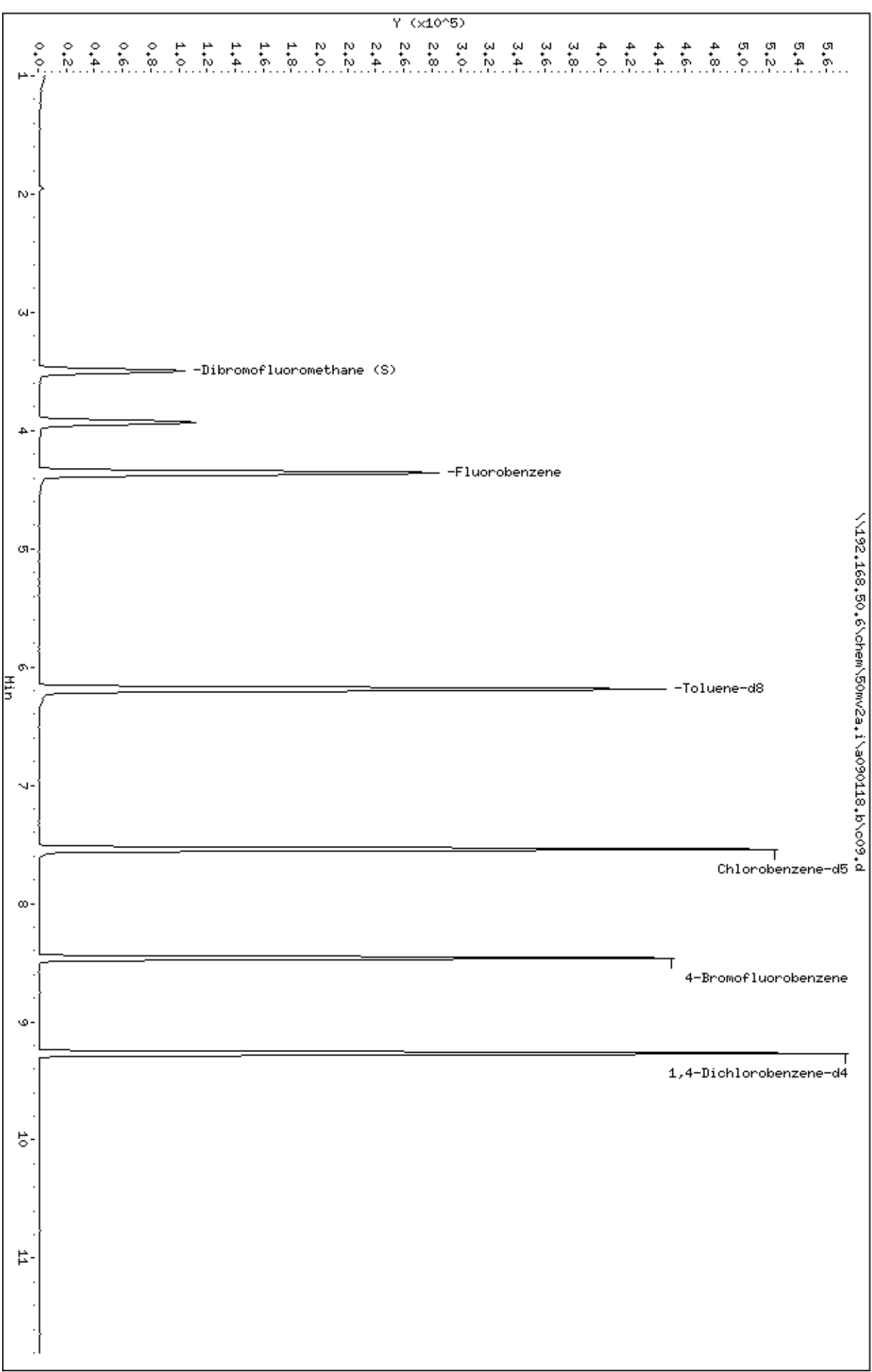
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

COMPOUND	RT	AREA	AMOUNT
\$ 36 Dibromofluoromethane (S)	3.498	229227	55.325
* 45 Fluorobenzene	4.358	585463	50.000

RT	AREA	CONCENTRATIONS			QUANT			REVIEW CODE
		ON-COL(ppb)	FINAL(ppb)	QUAL	LIBRARY	LIB ENTRY	CPND #	
Unknown								
0.844	206695	49.8865418	49.9	0		0	36	
Unknown								
3.930	245305	20.9496791	20.9	0		0	45	

Data File: \\192.168.50.6\chem\50mw2a.1\A090118.B\c09.d
Date : 02-SEP-2018 06:30
Client ID: LA 310 (TB)
Sample Info: 50204438006
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw2a.1
Operator: amw
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv2a.i\a090118.b/c09.d
Injection Date: 02-SEP-2018 06:30
Instrument: 50mv2a.i
Lab Sample ID: 50204438006
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
LA 312 (RUG-1S)

Lab Name: Pace Analytical - Indiana
Date Received: 08/29/2018 09:15
Date Extracted: 09/05/2018 00:31
Date Analyzed: 09/05/2018 00:31
Initial wt/vol: 6.245 g Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Solid SDG No.: 50204438
Lab Sample ID: 50204438007
Lab File ID: A090418.B\C04.D
Instrument: 50MV6A Percent Moisture: 17.5%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
LA 312 (RUG-1S)

Lab Name: Pace Analytical - Indiana
Date Received: 08/29/2018 09:15
Date Extracted: 09/05/2018 00:31
Date Analyzed: 09/05/2018 00:31
Initial wt/vol: 6.245 g Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Solid SDG No.: 50204438
Lab Sample ID: 50204438007
Lab File ID: A090418.B\C04.D
Instrument: 50MV6A Percent Moisture: 17.5%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
179601-23-1	m&p-Xylene	ND	U
95-47-6	o-Xylene	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6a.i\a090418.b\c04.d
 Lab Smp Id: 50204438007 Client Smp ID: LA 312 (RUG-1S)
 Inj Date : 05-SEP-2018 00:31
 Operator : ala Inst ID: 50mv6a.i
 Smp Info : 50204438007
 Misc Info : 117877
 Comment :
 Method : \\192.168.50.6\chem\50mv6a.i\a090418.b\ -a8260sl_a_c.m
 Meth Date : 05-Sep-2018 10:55 50mv6a.i Quant Type: ISTD
 Cal Date : 28-AUG-2018 14:20 Cal File: a01.d
 Als bottle: 25
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A
 Processing Host: 50-VOA-ALA1

Concentration Formula: Amt * DF * Uf / (Ws * (100 - M) / 100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	17.486	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

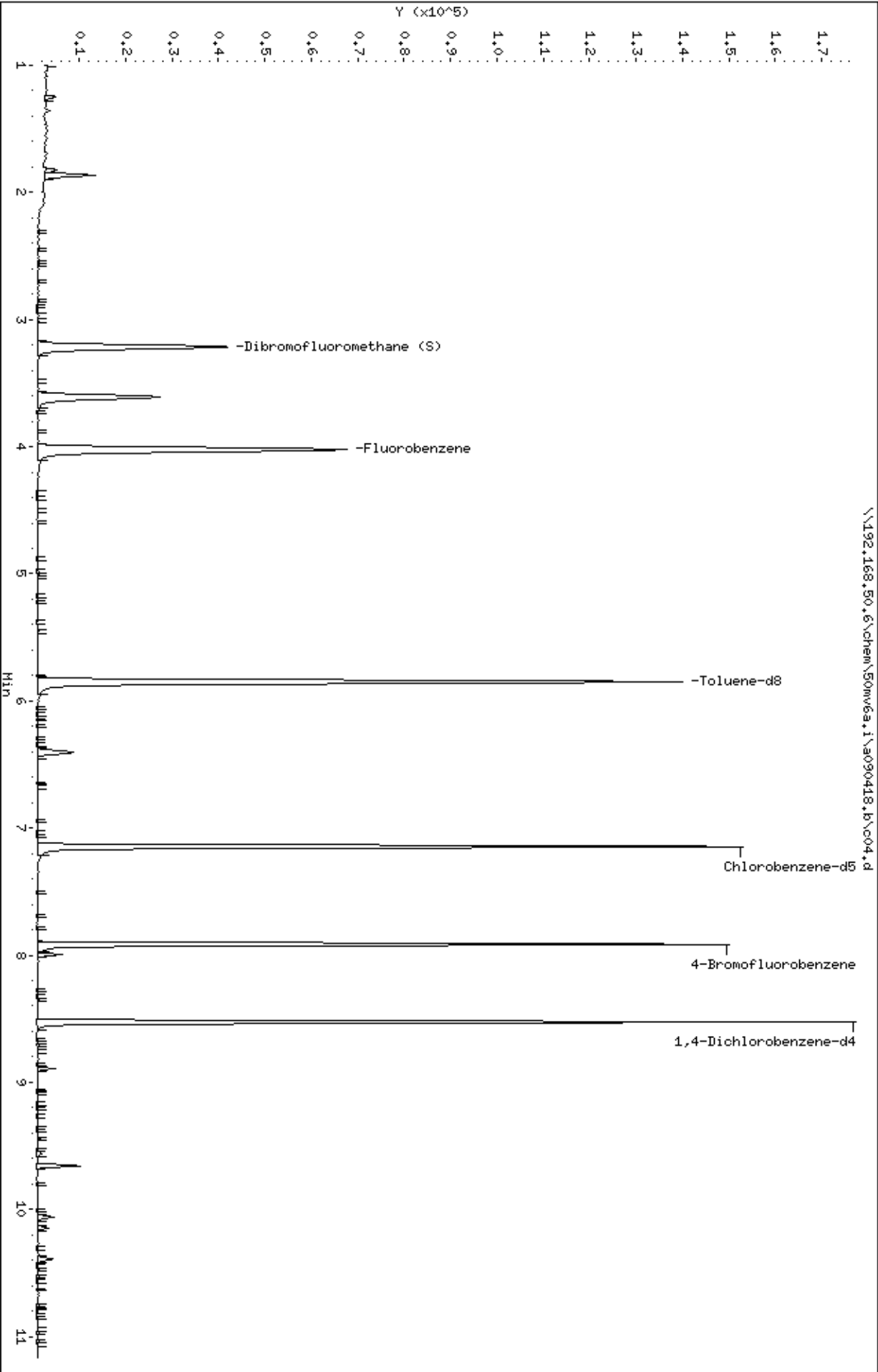
Compounds	QUANT	SIG	CONCENTRATIONS			
			ON-COLUMN	FINAL	RT	REL RT
	MASS		(ppb)	(ppb)		
\$ 33 Dibromofluoromethane (S)	113		53.6432	65.0	3.216	3.211 (0.799)
* 41 Fluorobenzene	96		50.0000		4.024	4.029 (1.000)
\$ 51 Toluene-d8	98		50.0379	60.6	5.848	5.854 (0.818)
* 61 Chlorobenzene-d5	117		50.0000		7.148	7.148 (1.000)
\$ 72 4-Bromofluorobenzene	95		47.7775	57.9	7.913	7.913 (1.107)
* 85 1,4-Dichlorobenzene-d4	152		50.0000		8.529	8.528 (1.000)

Data File: \\192.168.50.6\chem\50mw6a.i\A090418.b\c04.d
Date: 05-SEP-2018 00:31
Client ID: LA 312 (RUG-1S)
Sample Info: 50204438007

Column phase: DB-624

Instrument: 50mw6a.i
Operator: aia
Column diameter: 0.18

\\192.168.50.6\chem\50mw6a.i\A090418.b\c04.d



Data File: \\192.168.50.6\chem\50mv6a.i\a090418.b/c04.d
Injection Date: 05-SEP-2018 00:31
Instrument: 50mv6a.i
Lab Sample ID: 50204438007
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
LA 313 (RUG-2S)

Lab Name: Pace Analytical - Indiana
Date Received: 08/29/2018 09:15
Date Extracted: 09/05/2018 14:21
Date Analyzed: 09/05/2018 14:21
Initial wt/vol: 5.885 g Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Solid SDG No.: 50204438
Lab Sample ID: 50204438008
Lab File ID: A090518.BVA06.D
Instrument: 50MV6A Percent Moisture: 14.8%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
LA 313 (RUG-2S)

Lab Name: Pace Analytical - Indiana
Date Received: 08/29/2018 09:15
Date Extracted: 09/05/2018 14:21
Date Analyzed: 09/05/2018 14:21
Initial wt/vol: 5.885 g Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Solid SDG No.: 50204438
Lab Sample ID: 50204438008
Lab File ID: A090518.BVA06.D
Instrument: 50MV6A Percent Moisture: 14.8%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
179601-23-1	m&p-Xylene	ND	U
95-47-6	o-Xylene	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6a.i\090518.b\06.d
 Lab Smp Id: 50204438008 Client Smp ID: LA 313 (RUG-2S)
 Inj Date : 05-SEP-2018 14:21
 Operator : ala Inst ID: 50mv6a.i
 Smp Info : 50204438008
 Misc Info : 117899
 Comment :
 Method : \\192.168.50.6\chem\50mv6a.i\090518.b\06.d
 Meth Date : 06-Sep-2018 15:30 50mv6a.i Quant Type: ISTD
 Cal Date : 28-AUG-2018 14:20 Cal File: a01.d
 Als bottle: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf / (Ws * (100 - M) / 100) * CpndVariable

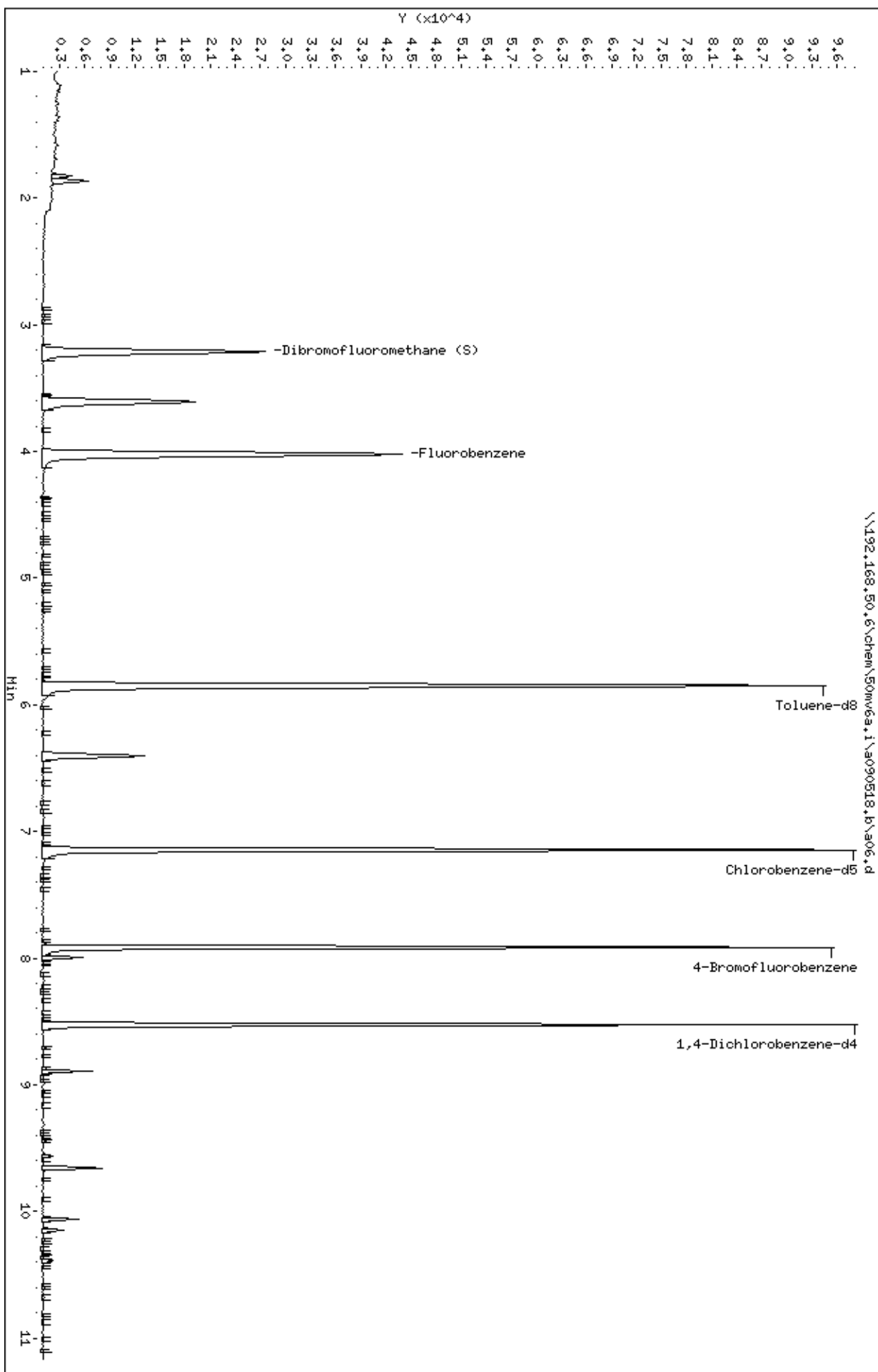
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	14.833	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb)	FINAL (ppb)
\$ 33 Dibromofluoromethane (S)	113	3.211	3.211	(0.798)	17894	54.2967	63.8
* 41 Fluorobenzene	96	4.024	4.024	(1.000)	48867	50.0000	
\$ 51 Toluene-d8	98	5.848	5.848	(0.818)	58393	51.0459	59.9
* 61 Chlorobenzene-d5	117	7.148	7.148	(1.000)	37926	50.0000	
\$ 72 4-Bromofluorobenzene	95	7.913	7.913	(1.107)	17661	45.3082	53.2
* 85 1,4-Dichlorobenzene-d4	152	8.529	8.529	(1.000)	15312	50.0000	

Data File: \\192.168.50.6\chem\50mw6a.i\A090518.B\A06.D
Date: 05-SEP-2018 14:21
Client ID: LA 313 (RUG-2S)
Sample Info: 50204438008

Column phase: DB-624

Instrument: 50mw6a.i
Operator: aia
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv6a.i\a090518.b/a06.d
Injection Date: 05-SEP-2018 14:21
Instrument: 50mv6a.i
Lab Sample ID: 50204438008
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM VI VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV2A GC Column: Col 1 SDG No.: 50204438
 Calibration Date(s): 08/22/2018 08/22/2018 Calibration Time(s): 14:19 18:07

LAB FILE ID

CAL1 = A082218.BVA02CAL.D CAL2 = A082218.BVA03CAL.D CAL3 = A082218.BVA04CAL.D
 CAL4 = A082218.BVA05CAL.D CAL5 = A082218.BVA06CAL.D CAL6 = A082218.BVA07CAL.D
 CAL7 = A082218.BVA08CAL.D CAL8 = A082218.BVA09CAL.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
Acetone	Wt Linear	0.19554	0.14856	0.06625	0.08490	0.06818	0.06589
Acrolein	Averaged	0.07084	0.06475	0.05795	0.05453	0.04821	0.04664
Benzene	Averaged	1.10606	0.93369	0.87404	0.98554	1.03746	0.94950
Bromodichloromethane	Averaged	0.46754	0.36922	0.31157	0.35134	0.35751	0.32857
Bromoform	Averaged	0.49295	0.44057	0.43266	0.45276	0.49176	0.43202
Bromomethane	Averaged	0.11427	0.08894	0.08510	0.07460	0.07256	0.07733
2-Butanone (MEK)	Averaged	0.02026	0.02255	0.01988	0.02397	0.02534	0.02313
n-Butylbenzene	Averaged	3.23860	2.51863	2.12284	2.37974	2.66799	2.38283
sec-Butylbenzene	Averaged	3.79822	3.10017	2.84221	3.17745	3.49569	3.08578
tert-Butylbenzene	Averaged	3.41095	2.92782	2.56033	2.87111	3.13142	2.75688
Carbon disulfide	Averaged	0.80020	0.66798	0.60904	0.65336	0.70785	0.63616
Carbon tetrachloride	Averaged	0.41195	0.36740	0.33837	0.35579	0.38309	0.35848
Chlorobenzene	Averaged	0.87530	0.81977	0.75220	0.89797	0.96971	0.87877
Chloroethane	Wt Linear	0.20287	0.18475	0.27700	0.20967	0.16903	0.15074
Chloroform	Averaged	0.68085	0.46993	0.41693	0.45184	0.47145	0.41718
Chloromethane	Linear	0.64050	0.29526	0.25500	0.22169	0.20647	0.20644
1,2-Dibromoethane (EDB)	Averaged	0.26101	0.24931	0.26391	0.28540	0.29977	0.27973
Dibromomethane	Averaged	0.11258	0.15421	0.12736	0.14002	0.14437	0.13618
1,2-Dichlorobenzene	Averaged	1.30083	1.12291	1.02363	1.23674	1.32149	1.19932
1,3-Dichlorobenzene	Averaged	1.54411	1.29808	1.14075	1.31592	1.49453	1.33018
1,4-Dichlorobenzene	Averaged	1.52780	1.32381	1.13287	1.40972	1.48163	1.32973
Dichlorodifluoromethane	Wt Linear	0.47290	0.37216	0.35275	0.32188	0.27373	0.27388
1,1-Dichloroethane	Averaged	0.44525	0.45998	0.44086	0.48572	0.52730	0.47205
1,2-Dichloroethane	Averaged	0.47233	0.36222	0.31020	0.35874	0.36413	0.33094
1,1-Dichloroethene	Averaged	0.29570	0.22887	0.21540	0.23557	0.23572	0.20855
cis-1,2-Dichloroethene	Averaged	0.37442	0.27944	0.23955	0.27334	0.27382	0.25802
trans-1,2-Dichloroethene	Averaged	0.26636	0.25632	0.24494	0.25621	0.25763	0.23864
1,2-Dichloropropane	Averaged	0.27510	0.24750	0.23179	0.26859	0.28219	0.25646
cis-1,3-Dichloropropene	Averaged	0.55290	0.51645	0.48018	0.52820	0.56903	0.52734
trans-1,3-Dichloropropene	Averaged	0.53011	0.45535	0.43814	0.51232	0.55135	0.49495
Ethylbenzene	Averaged	0.60804	0.45971	0.45016	0.50012	0.56082	0.49313
2-Hexanone	Averaged	0.36468	0.28492	0.25977	0.28984	0.30285	0.27453
Isopropylbenzene (Cumene)	Averaged	2.08587	1.60990	1.48175	1.61842	1.73338	1.57801
p-Isopropyltoluene	Averaged	2.77401	2.45272	2.43229	2.74849	3.01336	2.67017
Methylene Chloride	Wt Linear	1.29765	0.64725	0.43152	0.31462	0.29518	0.21939

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-2
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV2A GC Column: Col 1 SDG No.: 50204438
 Calibration Date(s): 08/22/2018 08/22/2018 Calibration Time(s): 14:19 18:07

LAB FILE ID

CAL1 = A082218.BVA02CAL.D CAL2 = A082218.BVA03CAL.D CAL3 = A082218.BVA04CAL.D
 CAL4 = A082218.BVA05CAL.D CAL5 = A082218.BVA06CAL.D CAL6 = A082218.BVA07CAL.D
 CAL7 = A082218.BVA08CAL.D CAL8 = A082218.BVA09CAL.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
4-Methyl-2-pentanone (MIBK)	Averaged	0.52106	0.39556	0.33338	0.41741	0.41603	0.40372
Methyl-tert-butyl ether	Averaged	0.75252	0.68297	0.59065	0.73789	0.73231	0.68761
Naphthalene	Averaged	2.16687	1.86941	1.67012	1.98768	2.12044	2.03146
n-Propylbenzene	Averaged	4.58340	3.39200	2.99819	3.49359	3.91287	3.51335
Styrene	Averaged	1.02124	0.96216	0.84151	1.00643	1.07063	0.98056
1,1,1,2-Tetrachloroethane	Averaged	0.36982	0.31423	0.29710	0.36934	0.36349	0.33045
1,1,2,2-Tetrachloroethane	Averaged	0.91923	0.79302	0.65043	0.70731	0.77163	0.64888
Tetrachloroethene	Averaged	0.42864	0.34624	0.35797	0.40718	0.44642	0.41351
Toluene	Averaged	1.79839	1.70973	1.26053	1.42844	1.54225	1.42260
1,2,4-Trichlorobenzene	Averaged	0.92065	0.79126	0.75053	0.84815	0.96038	0.86018
1,1,1-Trichloroethane	Wt Linear	0.68959	0.47175	0.38955	0.43337	0.44179	0.39547
1,1,2-Trichloroethane	Wt Linear	0.48673	0.33660	0.23454	0.24266	0.26034	0.22076
Trichloroethene	Averaged	0.29288	0.26921	0.23560	0.26684	0.28365	0.25814
Trichlorofluoromethane	Averaged	0.38458	0.41460	0.38365	0.37050	0.32426	0.30605
1,2,4-Trimethylbenzene	Averaged	3.09745	2.54506	2.22814	2.40156	2.61126	2.32621
1,3,5-Trimethylbenzene	Averaged	2.93573	2.58771	2.30299	2.43657	2.67738	2.33392
Vinyl acetate	Averaged	0.99320	0.81824	0.81000	0.76406	0.66939	0.68225
Vinyl chloride	Averaged	0.34226	0.31809	0.32831	0.27624	0.26257	0.25884
m&p-Xylene	Averaged	0.68414	0.54773	0.54595	0.63722	0.66655	0.60669
o-Xylene	Averaged	0.65252	0.53645	0.51971	0.58538	0.61293	0.57252
4-Bromofluorobenzene (S)	Averaged	0.47050	0.46093	0.47003	0.47733	0.46499	0.47083
Dibromofluoromethane (S)	Averaged	0.22446	0.22713	0.22488	0.22193	0.22186	0.21929
Toluene-d8 (S)	Averaged	1.18255	1.20160	1.23862	1.22781	1.20964	1.24275

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-3
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV2A GC Column: Col 1 SDG No.: 50204438
 Calibration Date(s): 08/22/2018 08/22/2018 Calibration Time(s): 14:19 18:07

LAB FILE ID

CAL1 = A082218.BVA02CAL.D CAL2 = A082218.BVA03CAL.D CAL3 = A082218.BVA04CAL.D
 CAL4 = A082218.BVA05CAL.D CAL5 = A082218.BVA06CAL.D CAL6 = A082218.BVA07CAL.D
 CAL7 = A082218.BVA08CAL.D CAL8 = A082218.BVA09CAL.D

COMPOUND	CURVE TYPE	CAL7	CAL8
Acetone	Wt Linear	0.06453	0.06210
Acrolein	Averaged	0.04895	0.05230
Benzene	Averaged	0.97108	0.92129
Bromodichloromethane	Averaged	0.32311	0.32170
Bromoform	Averaged	0.43945	0.43835
Bromomethane	Averaged	0.09518	0.11203
2-Butanone (MEK)	Averaged	0.02331	0.02356
n-Butylbenzene	Averaged	2.45721	2.46586
sec-Butylbenzene	Averaged	3.10114	3.07706
tert-Butylbenzene	Averaged	2.74613	2.68386
Carbon disulfide	Averaged	0.63546	0.64130
Carbon tetrachloride	Averaged	0.33979	0.34675
Chlorobenzene	Averaged	0.88629	0.86825
Chloroethane	Wt Linear	0.15114	0.14561
Chloroform	Averaged	0.42776	0.41094
Chloromethane	Linear	0.23889	
1,2-Dibromoethane (EDB)	Averaged	0.27905	0.27552
Dibromomethane	Averaged	0.13598	0.13202
1,2-Dichlorobenzene	Averaged	1.24799	1.22297
1,3-Dichlorobenzene	Averaged	1.36497	1.33969
1,4-Dichlorobenzene	Averaged	1.34334	1.33786
Dichlorodifluoromethane	Wt Linear	0.29028	0.25960
1,1-Dichloroethane	Averaged	0.47784	0.45625
1,2-Dichloroethane	Averaged	0.33692	0.31842
1,1-Dichloroethene	Averaged	0.19935	0.19122
cis-1,2-Dichloroethene	Averaged	0.24783	0.24660
trans-1,2-Dichloroethene	Averaged	0.23272	0.23139
1,2-Dichloropropane	Averaged	0.24492	0.25770
cis-1,3-Dichloropropene	Averaged	0.54203	0.53801
trans-1,3-Dichloropropene	Averaged	0.50310	0.50042
Ethylbenzene	Averaged	0.49174	0.48048
2-Hexanone	Averaged	0.27675	0.26966
Isopropylbenzene (Cumene)	Averaged	1.54858	1.50724
p-Isopropyltoluene	Averaged	2.72133	2.68664
Methylene Chloride	Wt Linear	0.20859	0.21096

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-4
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV2A GC Column: Col 1 SDG No.: 50204438
 Calibration Date(s): 08/22/2018 08/22/2018 Calibration Time(s): 14:19 18:07

LAB FILE ID

CAL1 = A082218.BVA02CAL.D CAL2 = A082218.BVA03CAL.D CAL3 = A082218.BVA04CAL.D
 CAL4 = A082218.BVA05CAL.D CAL5 = A082218.BVA06CAL.D CAL6 = A082218.BVA07CAL.D
 CAL7 = A082218.BVA08CAL.D CAL8 = A082218.BVA09CAL.D

COMPOUND	CURVE TYPE	CAL7	CAL8
4-Methyl-2-pentanone (MIBK)	Averaged	0.40589	0.40025
Methyl-tert-butyl ether	Averaged	0.69111	0.69124
Naphthalene	Averaged	2.11465	2.16874
n-Propylbenzene	Averaged	3.46971	3.42596
Styrene	Averaged	0.97448	0.95740
1,1,1,2-Tetrachloroethane	Averaged	0.32789	0.31809
1,1,2,2-Tetrachloroethane	Averaged	0.64877	0.64142
Tetrachloroethene	Averaged	0.41900	0.40993
Toluene	Averaged	1.43586	1.42859
1,2,4-Trichlorobenzene	Averaged	0.90355	0.91144
1,1,1-Trichloroethane	Wt Linear	0.40522	0.40219
1,1,2-Trichloroethane	Wt Linear	0.22482	0.21388
Trichloroethene	Averaged	0.25669	0.25651
Trichlorofluoromethane	Averaged	0.30156	0.29225
1,2,4-Trimethylbenzene	Averaged	2.34181	2.33431
1,3,5-Trimethylbenzene	Averaged	2.31632	2.29208
Vinyl acetate	Averaged	0.70008	0.72550
Vinyl chloride	Averaged	0.27478	0.27845
m&p-Xylene	Averaged	0.60002	0.57874
o-Xylene	Averaged	0.56654	0.55060
4-Bromofluorobenzene (S)	Averaged	0.46551	0.46365
Dibromofluoromethane (S)	Averaged	0.22239	0.22449
Toluene-d8 (S)	Averaged	1.24049	1.23635

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-5
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV2A GC Column: Col 1 SDG No.: 50204438
 Calibration Date(s): 08/22/2018 08/22/2018 Calibration Time(s): 14:19 18:07

LAB FILE ID

CAL1 = A082218.BVA02CAL.D CAL2 = A082218.BVA03CAL.D CAL3 = A082218.BVA04CAL.D
 CAL4 = A082218.BVA05CAL.D CAL5 = A082218.BVA06CAL.D CAL6 = A082218.BVA07CAL.D
 CAL7 = A082218.BVA08CAL.D CAL8 = A082218.BVA09CAL.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Acetone	Wt Linear		0.99838	0.00662053	0.06280	
Acrolein	Averaged	15.41281			0.05552	
Benzene	Averaged	7.43483			0.97233	
Bromodichloromethane	Averaged	14.16624			0.35382	
Bromoform	Averaged	5.60493			0.45256	
Bromomethane	Averaged	17.95743			0.09000	
2-Butanone (MEK)	Averaged	8.10653			0.02275	
n-Butylbenzene	Averaged	12.86142			2.52921	
sec-Butylbenzene	Averaged	9.27937			3.20972	
tert-Butylbenzene	Averaged	9.45222			2.88606	
Carbon disulfide	Averaged	9.02883			0.66892	
Carbon tetrachloride	Averaged	6.83329			0.36270	
Chlorobenzene	Averaged	7.21411			0.86853	
Chloroethane	Wt Linear		0.99651	0.00159456	0.14818	
Chloroform	Averaged	19.03673			0.46836	
Chloromethane	Linear		0.99777	-0.0039518	0.23724	
1,2-Dibromoethane (EDB)	Averaged	5.74040			0.27421	
Dibromomethane	Averaged	9.06446			0.13534	
1,2-Dichlorobenzene	Averaged	7.99391			1.20949	
1,3-Dichlorobenzene	Averaged	9.12720			1.35353	
1,4-Dichlorobenzene	Averaged	8.78288			1.36085	
Dichlorodifluoromethane	Wt Linear		0.99731	0.00240185	0.26965	
1,1-Dichloroethane	Averaged	5.87067			0.47066	
1,2-Dichloroethane	Averaged	14.27125			0.35674	
1,1-Dichloroethene	Averaged	14.35647			0.22630	
cis-1,2-Dichloroethene	Averaged	15.71650			0.27413	
trans-1,2-Dichloroethene	Averaged	5.21876			0.24803	
1,2-Dichloropropane	Averaged	6.48612			0.25803	
cis-1,3-Dichloropropene	Averaged	4.97904			0.53177	
trans-1,3-Dichloropropene	Averaged	7.40436			0.49822	
Ethylbenzene	Averaged	10.50207			0.50553	
2-Hexanone	Averaged	11.27923			0.29038	
Isopropylbenzene (Cumene)	Averaged	11.79215			1.64539	
p-Isopropyltoluene	Averaged	6.87705			2.68738	
Methylene Chloride	Wt Linear		0.99889	0.01021731	0.20857	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-6
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV2A GC Column: Col 1 SDG No.: 50204438
 Calibration Date(s): 08/22/2018 08/22/2018 Calibration Time(s): 14:19 18:07

LAB FILE ID

CAL1 = A082218.BVA02CAL.D CAL2 = A082218.BVA03CAL.D CAL3 = A082218.BVA04CAL.D
 CAL4 = A082218.BVA05CAL.D CAL5 = A082218.BVA06CAL.D CAL6 = A082218.BVA07CAL.D
 CAL7 = A082218.BVA08CAL.D CAL8 = A082218.BVA09CAL.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
4-Methyl-2-pentanone (MIBK)	Averaged	12.53371			0.41166	
Methyl-tert-butyl ether	Averaged	7.21754			0.69579	
Naphthalene	Averaged	8.56816			2.01617	
n-Propylbenzene	Averaged	13.01901			3.59863	
Styrene	Averaged	6.76563			0.97680	
1,1,1,2-Tetrachloroethane	Averaged	8.27036			0.33630	
1,1,2,2-Tetrachloroethane	Averaged	13.73455			0.72259	
Tetrachloroethene	Averaged	8.49124			0.40361	
Toluene	Averaged	11.58707			1.50330	
1,2,4-Trichlorobenzene	Averaged	8.09717			0.86827	
1,1,1-Trichloroethane	Wt Linear		0.99967	0.00214840	0.40219	
1,1,2-Trichloroethane	Wt Linear		0.99896	0.00250706	0.21753	
Trichloroethene	Averaged	6.68979			0.26494	
Trichlorofluoromethane	Averaged	13.39316			0.34718	
1,2,4-Trimethylbenzene	Averaged	11.13223			2.48572	
1,3,5-Trimethylbenzene	Averaged	9.30894			2.48534	
Vinyl acetate	Averaged	13.74426			0.77034	
Vinyl chloride	Averaged	10.98056			0.29244	
m&p-Xylene	Averaged	12.36436			0.62874	
o-Xylene	Averaged	7.43383			0.57458	
4-Bromofluorobenzene (S)	Averaged	1.11195			0.46797	
Dibromofluoromethane (S)	Averaged	1.08069			0.22330	
Toluene-d8 (S)	Averaged	1.80577			1.22248	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV6A GC Column: Col 1 SDG No.: 50204438
 Calibration Date(s): 08/28/2018 08/28/2018 Calibration Time(s): 14:20 18:47

LAB FILE ID

CAL1 = A082818CAL.BVA01.D CAL2 = A082818CAL.BVA02.D CAL3 = A082818CAL.BVA03.D
 CAL4 = A082818CAL.BVA04.D CAL5 = A082818CAL.BVA05.D CAL6 = A082818CAL.BVA06.D
 CAL7 = A082818CAL.BVA07.D CAL8 = A082818CAL.BVA08.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
Acetone	Averaged			0.21765	0.13983	0.14278	0.15209
Acrolein	Averaged	0.10025	0.10631	0.09658	0.13499	0.10392	0.09263
Benzene	Averaged	1.76252	1.86410	1.85134	1.49788	2.01115	2.10265
Bromodichloromethane	Averaged		0.61350	0.64225	0.50240	0.66314	0.69490
Bromoform	Averaged		0.65741	0.67364	0.52682	0.73429	0.80330
Bromomethane	Averaged	0.84035	0.79328	0.63365	0.72987	0.63456	0.53843
2-Butanone (MEK)	Wt Linear		0.03199	0.04307	0.03317	0.04852	0.05385
n-Butylbenzene	Averaged		3.77590	3.87088	3.51395	4.75612	5.20854
sec-Butylbenzene	Averaged		5.00600	5.11113	4.46157	6.06619	6.40353
tert-Butylbenzene	Averaged		4.23300	4.37286	3.66025	4.91930	5.18348
Carbon disulfide	Averaged		2.59483	2.38650	2.01320	2.53276	2.46443
Carbon tetrachloride	Averaged		0.61350	0.68411	0.59279	0.78041	0.80091
Chlorobenzene	Averaged		1.60889	1.62264	1.29413	1.70805	1.79799
Chloroethane	Averaged	0.47876	0.48129	0.45717	0.73327	0.54816	0.47093
Chloroform	Averaged	1.24033	1.06445	0.98086	0.74015	0.97058	0.97224
Chloromethane	Averaged	0.87065	0.85096	0.79349	1.19940	0.86978	0.72760
1,2-Dibromoethane (EDB)	Wt Linear	0.26452	0.38363	0.45713	0.35138	0.50256	0.58322
Dibromomethane	Averaged		0.22735	0.26980	0.20545	0.27661	0.28995
1,2-Dichlorobenzene	Averaged	2.19396	2.20695	2.33108	1.82492	2.33892	2.51624
1,3-Dichlorobenzene	Averaged	2.42776	2.56698	2.41588	1.94851	2.52816	2.58977
1,4-Dichlorobenzene	Averaged	2.90481	2.66669	2.52052	1.99682	2.54417	2.59034
Dichlorodifluoromethane	Averaged	0.71511	0.66369	0.62146	1.09206	0.81913	0.68233
1,1-Dichloroethane	Averaged		1.00003	0.97412	0.77475	1.00671	1.03791
1,2-Dichloroethane	Averaged		0.55582	0.59179	0.42618	0.57154	0.59820
1,1-Dichloroethene	Averaged		0.62212	0.60827	0.50573	0.67837	0.69818
cis-1,2-Dichloroethene	Averaged		0.52998	0.54992	0.42444	0.56396	0.58154
trans-1,2-Dichloroethene	Averaged		0.64571	0.65701	0.53401	0.71049	0.72043
1,2-Dichloropropane	Averaged		0.40188	0.44585	0.35865	0.49693	0.51331
cis-1,3-Dichloropropene	Averaged			0.80588	0.66394	0.95452	1.07585
trans-1,3-Dichloropropene	Wt Linear		0.57474	0.64146	0.53064	0.79984	0.92111
Ethylbenzene	Averaged		0.76444	0.79353	0.66835	0.94335	1.01684
2-Hexanone	Averaged		0.32630	0.35929	0.25736	0.36562	0.40968
Isopropylbenzene (Cumene)	Averaged		2.41522	2.57286	2.13954	3.02723	3.23748
p-Isopropyltoluene	Averaged		3.88003	4.06477	3.49978	4.80802	5.17813
Methylene Chloride	Wt Linear		1.79930	1.13913	0.69596	0.75278	0.69595

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-2
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV6A GC Column: Col 1 SDG No.: 50204438
 Calibration Date(s): 08/28/2018 08/28/2018 Calibration Time(s): 14:20 18:47

LAB FILE ID

CAL1 = A082818CAL.BVA01.D CAL2 = A082818CAL.BVA02.D CAL3 = A082818CAL.BVA03.D
 CAL4 = A082818CAL.BVA04.D CAL5 = A082818CAL.BVA05.D CAL6 = A082818CAL.BVA06.D
 CAL7 = A082818CAL.BVA07.D CAL8 = A082818CAL.BVA08.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
4-Methyl-2-pentanone (MIBK)	Averaged		0.46196	0.49131	0.35406	0.50275	0.56016
Methyl-tert-butyl ether	Averaged	1.19589	1.33937	1.36922	1.05433	1.41599	1.53093
Naphthalene	Averaged	4.52490	3.73443	3.66092	2.72713	3.74393	4.02691
n-Propylbenzene	Averaged	6.27015	6.12403	6.03748	4.93598	6.60133	6.90090
Styrene	Averaged		1.49592	1.58633	1.30110	1.83473	2.01214
1,1,1,2-Tetrachloroethane	Averaged		0.50649	0.53418	0.42413	0.59615	0.67077
1,1,2,2-Tetrachloroethane	Averaged		1.32276	1.36028	0.98228	1.29960	1.37262
Tetrachloroethene	Averaged		0.60063	0.65400	0.56991	0.78316	0.84963
Toluene	Averaged	2.69491	2.53761	2.52198	2.02798	2.75785	2.92302
1,2,4-Trichlorobenzene	Averaged		1.56542	1.56579	1.22042	1.56770	1.63680
1,1,1-Trichloroethane	Averaged		0.72137	0.75091	0.65059	0.85715	0.87691
1,1,2-Trichloroethane	Averaged		0.39304	0.41879	0.32972	0.46176	0.50737
Trichloroethene	Averaged		0.41125	0.45158	0.38415	0.54169	0.56778
Trichlorofluoromethane	Linear	0.88378	0.99891	0.92409	1.67137	1.22309	1.05086
1,2,4-Trimethylbenzene	Averaged	3.54246	3.39822	3.67563	2.95725	4.11654	4.42435
1,3,5-Trimethylbenzene	Averaged	3.34644	3.37793	3.53030	2.97825	4.06818	4.48858
Vinyl acetate	Averaged		0.67511	0.66974	1.06361	0.86379	0.78382
Vinyl chloride	Wt Linear	0.63835	0.75058	0.73013	1.22803	0.89765	0.77165
m&p-Xylene	Averaged	1.04533	1.05675	1.01473	0.83794	1.17412	1.26194
o-Xylene	Averaged	0.79962	0.93766	0.94948	0.77248	1.07911	1.17062
4-Bromofluorobenzene (S)	Averaged	0.49044	0.51564	0.52051	0.51521	0.51888	0.53353
Dibromofluoromethane (S)	Averaged	0.35871	0.35255	0.34858	0.33744	0.33259	0.32307
Toluene-d8 (S)	Averaged	1.45469	1.50605	1.50029	1.50048	1.52415	1.51814

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-3
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV6A GC Column: Col 1 SDG No.: 50204438
 Calibration Date(s): 08/28/2018 08/28/2018 Calibration Time(s): 14:20 18:47

LAB FILE ID

CAL1 = A082818CAL.BVA01.D CAL2 = A082818CAL.BVA02.D CAL3 = A082818CAL.BVA03.D
 CAL4 = A082818CAL.BVA04.D CAL5 = A082818CAL.BVA05.D CAL6 = A082818CAL.BVA06.D
 CAL7 = A082818CAL.BVA07.D CAL8 = A082818CAL.BVA08.D

COMPOUND	CURVE TYPE	CAL7	CAL8
Acetone	Averaged	0.15476	
Acrolein	Averaged	0.10080	0.09114
Benzene	Averaged	2.15944	2.08690
Bromodichloromethane	Averaged	0.70448	0.67524
Bromoform	Averaged	0.90142	0.86307
Bromomethane	Averaged		
2-Butanone (MEK)	Wt Linear	0.06338	0.06025
n-Butylbenzene	Averaged	5.70440	5.62744
sec-Butylbenzene	Averaged	6.62499	6.29849
tert-Butylbenzene	Averaged	5.52304	5.34238
Carbon disulfide	Averaged	2.42983	2.18572
Carbon tetrachloride	Averaged	0.81004	0.79301
Chlorobenzene	Averaged	1.91466	1.82269
Chloroethane	Averaged		
Chloroform	Averaged	0.96754	0.93601
Chloromethane	Averaged	0.72835	0.78449
1,2-Dibromoethane (EDB)	Wt Linear	0.60710	0.58137
Dibromomethane	Averaged	0.29965	0.28584
1,2-Dichlorobenzene	Averaged	2.67214	2.62058
1,3-Dichlorobenzene	Averaged	2.73461	2.66063
1,4-Dichlorobenzene	Averaged	2.78151	2.65154
Dichlorodifluoromethane	Averaged	0.70282	0.70608
1,1-Dichloroethane	Averaged	1.09561	1.04845
1,2-Dichloroethane	Averaged	0.61684	0.57210
1,1-Dichloroethene	Averaged	0.71953	0.64973
cis-1,2-Dichloroethene	Averaged	0.61851	0.61152
trans-1,2-Dichloroethene	Averaged	0.72222	0.67531
1,2-Dichloropropane	Averaged	0.51573	0.49253
cis-1,3-Dichloropropene	Averaged	1.13788	1.12269
trans-1,3-Dichloropropene	Wt Linear	0.99283	0.96549
Ethylbenzene	Averaged	1.10145	1.09060
2-Hexanone	Averaged	0.44848	0.39317
Isopropylbenzene (Cumene)	Averaged	3.32782	3.16207
p-Isopropyltoluene	Averaged	5.52701	5.26408
Methylene Chloride	Wt Linear	0.65906	0.60414

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-4
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV6A GC Column: Col 1 SDG No.: 50204438
 Calibration Date(s): 08/28/2018 08/28/2018 Calibration Time(s): 14:20 18:47

LAB FILE ID

CAL1 = A082818CAL.BVA01.D CAL2 = A082818CAL.BVA02.D CAL3 = A082818CAL.BVA03.D
 CAL4 = A082818CAL.BVA04.D CAL5 = A082818CAL.BVA05.D CAL6 = A082818CAL.BVA06.D
 CAL7 = A082818CAL.BVA07.D CAL8 = A082818CAL.BVA08.D

COMPOUND	CURVE TYPE	CAL7	CAL8
4-Methyl-2-pentanone (MIBK)	Averaged	0.62430	0.56676
Methyl-tert-butyl ether	Averaged	1.63122	1.50147
Naphthalene	Averaged	4.78601	4.59780
n-Propylbenzene	Averaged	7.21134	6.70857
Styrene	Averaged	2.10059	2.00972
1,1,1,2-Tetrachloroethane	Averaged	0.73582	0.72777
1,1,2,2-Tetrachloroethane	Averaged	1.48618	1.38413
Tetrachloroethene	Averaged	0.87089	0.86056
Toluene	Averaged	3.09875	3.02958
1,2,4-Trichlorobenzene	Averaged	1.95610	1.96598
1,1,1-Trichloroethane	Averaged	0.88450	0.85739
1,1,2-Trichloroethane	Averaged	0.53424	0.51125
Trichloroethene	Averaged	0.58268	0.56472
Trichlorofluoromethane	Linear	1.12121	0.98692
1,2,4-Trimethylbenzene	Averaged	4.90153	4.80892
1,3,5-Trimethylbenzene	Averaged	4.96632	4.83872
Vinyl acetate	Averaged	0.90868	0.90592
Vinyl chloride	Wt Linear	0.79063	0.76504
m&p-Xylene	Averaged	1.32867	1.28395
o-Xylene	Averaged	1.22875	1.18317
4-Bromofluorobenzene (S)	Averaged	0.51217	0.50476
Dibromofluoromethane (S)	Averaged	0.32000	0.32468
Toluene-d8 (S)	Averaged	1.50716	1.55392

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-5
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV6A GC Column: Col 1 SDG No.: 50204438
 Calibration Date(s): 08/28/2018 08/28/2018 Calibration Time(s): 14:20 18:47

LAB FILE ID

CAL1 = A082818CAL.BVA01.D CAL2 = A082818CAL.BVA02.D CAL3 = A082818CAL.BVA03.D
 CAL4 = A082818CAL.BVA04.D CAL5 = A082818CAL.BVA05.D CAL6 = A082818CAL.BVA06.D
 CAL7 = A082818CAL.BVA07.D CAL8 = A082818CAL.BVA08.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Acetone	Averaged	19.84831			0.16142	
Acrolein	Averaged	13.37142			0.10333	
Benzene	Averaged	11.45607			1.91700	
Bromodichloromethane	Averaged	10.74102			0.64227	
Bromoform	Averaged	17.67542			0.73714	
Bromomethane	Averaged	16.26981			0.69502	
2-Butanone (MEK)	Wt Linear		0.99557	-0.0102739	0.06066	
n-Butylbenzene	Averaged	19.78759			4.63675	
sec-Butylbenzene	Averaged	14.65919			5.71027	
tert-Butylbenzene	Averaged	14.29083			4.74776	
Carbon disulfide	Averaged	8.62157			2.37247	
Carbon tetrachloride	Averaged	12.87495			0.72497	
Chlorobenzene	Averaged	12.07673			1.68129	
Chloroethane	Averaged	19.93005			0.52826	
Chloroform	Averaged	14.08877			0.98402	
Chloromethane	Averaged	17.72701			0.85309	
1,2-Dibromoethane (EDB)	Wt Linear		0.99662	-0.0086187	0.58559	
Dibromomethane	Averaged	13.23634			0.26495	
1,2-Dichlorobenzene	Averaged	11.70734			2.33810	
1,3-Dichlorobenzene	Averaged	9.72586			2.48404	
1,4-Dichlorobenzene	Averaged	10.38929			2.58205	
Dichlorodifluoromethane	Averaged	19.87690			0.75034	
1,1-Dichloroethane	Averaged	10.40629			0.99108	
1,2-Dichloroethane	Averaged	11.23057			0.56178	
1,1-Dichloroethene	Averaged	11.15918			0.64028	
cis-1,2-Dichloroethene	Averaged	11.80913			0.55427	
trans-1,2-Dichloroethene	Averaged	9.89661			0.66645	
1,2-Dichloropropane	Averaged	13.20851			0.46070	
cis-1,3-Dichloropropene	Averaged	19.92350			0.96013	
trans-1,3-Dichloropropene	Wt Linear		0.99681	-0.0310789	0.97051	
Ethylbenzene	Averaged	18.73864			0.91122	
2-Hexanone	Averaged	16.88317			0.36570	
Isopropylbenzene (Cumene)	Averaged	16.24369			2.84032	
p-Isopropyltoluene	Averaged	17.04391			4.60312	
Methylene Chloride	Wt Linear		0.99702	0.04648800	0.61441	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-6
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV6A GC Column: Col 1 SDG No.: 50204438
 Calibration Date(s): 08/28/2018 08/28/2018 Calibration Time(s): 14:20 18:47

LAB FILE ID

CAL1 = A082818CAL.BVA01.D CAL2 = A082818CAL.BVA02.D CAL3 = A082818CAL.BVA03.D
 CAL4 = A082818CAL.BVA04.D CAL5 = A082818CAL.BVA05.D CAL6 = A082818CAL.BVA06.D
 CAL7 = A082818CAL.BVA07.D CAL8 = A082818CAL.BVA08.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
4-Methyl-2-pentanone (MIBK)	Averaged	17.17685			0.50876	
Methyl-tert-butyl ether	Averaged	13.52163			1.37980	
Naphthalene	Averaged	16.78840			3.97525	
n-Propylbenzene	Averaged	10.96407			6.34872	
Styrene	Averaged	17.29756			1.76293	
1,1,1,2-Tetrachloroethane	Averaged	19.71876			0.59933	
1,1,2,2-Tetrachloroethane	Averaged	12.03823			1.31541	
Tetrachloroethene	Averaged	17.52841			0.74125	
Toluene	Averaged	12.76135			2.69896	
1,2,4-Trichlorobenzene	Averaged	15.71740			1.63975	
1,1,1-Trichloroethane	Averaged	11.47348			0.79983	
1,1,2-Trichloroethane	Averaged	16.43708			0.45088	
Trichloroethene	Averaged	16.51427			0.50055	
Trichlorofluoromethane	Linear		0.99595	0.06906360	0.99978	
1,2,4-Trimethylbenzene	Averaged	17.57307			3.97811	
1,3,5-Trimethylbenzene	Averaged	18.99355			3.94934	
Vinyl acetate	Averaged	16.78867			0.83867	
Vinyl chloride	Wt Linear		0.99256	0.00272950	0.78375	
m&p-Xylene	Averaged	14.77258			1.12543	
o-Xylene	Averaged	17.37577			1.01511	
4-Bromofluorobenzene (S)	Averaged	2.43456			0.51389	
Dibromofluoromethane (S)	Averaged	4.34304			0.33720	
Toluene-d8 (S)	Averaged	1.84760			1.50811	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a082218.b\a02cal.d
 Lab Smp Id: 8260-CAL1 Client Smp ID: 8260-CAL1
 Inj Date : 22-AUG-2018 14:19
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 8260-call,184419:0
 Misc Info : 117473
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a082218.b\ -a8260_a_c.m
 Meth Date : 26-Aug-2018 16:30 50mv2a.i Quant Type: ISTD
 Cal Date : 15-AUG-2018 18:27 Cal File: a08cal.d
 Als bottle: 4 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					REVIEW C	
			MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ppb)
1 Dichlorodifluoromethane	85		0.930	0.927	(0.213)	1676	0.50000	0.432 (M)	NI
2 Chloromethane	50		1.033	1.032	(0.237)	2270	0.50000	2.18 (TQM)	NI
3 Vinyl Chloride	62		1.069	1.069	(0.245)	1213	0.50000	0.585 (QM)	
4 Bromomethane	94		1.227	1.230	(0.282)	405	0.50000	0.635 (QM)	NI
5 Chloroethane	64		1.272	1.277	(0.292)	719	0.50000	0.146 (M)	NI
6 Trichlorofluoromethane	101		1.403	1.402	(0.322)	1363	0.50000	0.554	
7 Diethyl ether	74		1.539	1.539	(0.353)	705	0.50000	0.691 (M)	NI
8 1,2-dichlorotrifluoroethane	67		1.536	1.536	(0.352)	1595	0.50000	0.430 (M)	NI
9 Acrolein	56		1.614	1.614	(0.370)	5021	10.00000	12.8 (M)	NI
10 1,1,2trichlorotrifluoroethane	101		1.670	1.667	(0.383)	866	0.50000	0.544 (M)	NI
11 1,1-Dichloroethene	96		1.670	1.675	(0.383)	1048	0.50000	0.653 (M)	NI
12 Acetone	43		1.698	1.695	(0.389)	3465	2.50000	2.51 (M)	NI
13 Iodomethane	142		1.770	1.770	(0.406)	2554	1.00000	1.41 (M)	NI
14 Carbon Disulfide	76		1.814	1.814	(0.416)	2836	0.50000	0.598 (M)	NI
15 Methyl Acetate	43		1.698	1.695	(0.389)	3857	0.50000	0.650 (QM)	NI
16 Acetonitrile	39		1.884	1.881	(0.432)	3271	0.50000	0.641 (QM)	NI
17 allyl chloride	41		1.881	1.881	(0.431)	6088	1.00000	1.20 (M)	LT
18 Methylene Chloride	84		1.959	1.956	(0.449)	4599	0.50000	0.661 (M)	GT
20 Acrylonitrile	53		2.123	2.112	(0.487)	1564	2.00000	2.18 (M)	GT
21 Methyl-tert-butyl ether	73		2.132	2.134	(0.489)	2667	0.50000	0.541	
22 1,2-Dichloroethene (trans)	96		2.143	2.140	(0.491)	944	0.50000	0.537 (QM)	GT
23 n-Hexane	57		2.340	2.335	(0.537)	2956	0.50000	0.457 (QM)	NI
24 Vinyl Acetate	43		2.485	2.485	(0.570)	14080	2.00000	2.58 (M)	NI

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
25 1,1-Dichloroethane	63	2.457	2.454 (0.564)		1578	0.50000	0.473 (QM)	NI
26 Chloroprene	53	2.529	2.529 (0.580)		2378	0.50000	0.628 (M)	NI
27 Ethyl acetate	88	2.529	2.529 (0.580)		643	4.00000	3.35 (QM)	NI
28 2-Butanone	72	2.986	2.983 (0.685)		359	2.50000	2.23 (QM)	NI
29 1,2-Dichloroethene (cis)	96	2.972	2.969 (0.682)		1327	0.50000	0.683 (M)	NI
30 2,2-Dichloropropane	77	2.972	2.972 (0.682)		1777	0.50000	0.616 (M)	NI
33 Bromochloromethane	49	3.217	3.219 (0.738)		841	0.50000	0.544 (M)	NI
34 Tetrahydrofuran	42	3.253	3.269 (0.746)		1118	0.50000	0.162 (QM)	NI
35 Chloroform	83	3.317	3.311 (0.761)		2413	0.50000	0.727 (M)	GT
\$ 36 Dibromofluoromethane (S)	113	3.498	3.503 (0.802)		79552	50.0000	50.2	
37 1,1,1-Trichloroethane	97	3.520	3.523 (0.807)		2444	0.50000	0.590 (M)	NI
150 n-butyl chloride	56	3.665	3.662 (0.840)		2636	0.50000	0.564 (TM)	WP
39 Carbon Tetrachloride	117	3.731	3.728 (0.856)		1460	0.50000	0.568 (M)	NI
40 1,1-Dichloropropene	75	3.734	3.734 (0.856)		1205	0.50000	0.498 (M)	NI
41 Benzene	78	4.010	4.004 (0.920)		3920	0.50000	0.569 (M)	NI
42 1,2-Dichloroethane	62	4.026	4.032 (0.923)		1674	0.50000	0.662 (M)	NI
* 45 Fluorobenzene	96	4.360	4.363 (1.000)		354411	50.0000		
46 isopropyl acetate	61	4.146	4.146 (0.951)		1305	2.00000	1.89 (QM)	NI
47 Trichloroethene	95	4.808	4.802 (1.103)		1038	0.50000	0.553 (M)	NI
49 1,2-Dichloropropane	63	5.067	5.067 (1.162)		975	0.50000	0.533 (M)	NI
51 Dibromomethane	93	5.203	5.200 (1.193)		399	0.50000	0.416 (QM)	NI
53 Bromodichloromethane	83	5.404	5.398 (1.239)		1657	0.50000	0.661 (M)	NI
54 2-Chloroethyl vinyl ether	63	5.776	5.771 (0.766)		1352	1.00000	1.02 (M)	NI
55 cis-1,3-Dichloropropene	75	5.904	5.907 (0.783)		1504	0.50000	0.520 (M)	NI
56 4-Methyl-2-Pentanone	43	6.096	6.099 (0.809)		7087	2.50000	3.16 (QM)	
\$ 57 Toluene-d8	98	6.188	6.188 (0.821)		321679	50.0000	48.4 (M)	NI
58 Toluene	91	6.258	6.260 (0.830)		4892	0.50000	0.598 (QM)	
59 trans-1,3-Dichloropropene	75	6.508	6.513 (0.863)		1442	0.50000	0.532 (M)	NI
60 Ethyl Methacrylate	69	6.633	6.633 (0.880)		2119	0.50000	0.591 (M)	NI
61 1,1,2-Trichloroethane	83	6.692	6.689 (0.887)		1324	0.50000	0.542 (QM)	NI
62 Tetrachloroethene	166	6.800	6.806 (0.902)		1166	0.50000	0.531 (M)	NI
63 1,3-Dichloropropane	76	6.842	6.845 (0.907)		1492	0.50000	0.560 (M)	NI
64 2-Hexanone	43	6.945	6.945 (0.921)		4960	2.50000	3.14 (M)	NI
65 Dibromochloromethane	129	7.042	7.045 (0.934)		909	0.50000	0.508 (M)	NI
66 1,2-Dibromoethane	107	7.134	7.134 (0.946)		710	0.50000	0.476 (M)	NI
* 67 Chlorobenzene-d5	117	7.540	7.540 (1.000)		272021	50.0000		
68 Chlorobenzene	112	7.568	7.565 (1.004)		2381	0.50000	0.504 (QM)	NI
69 1,1,1,2-Tetrachloroethane	131	7.638	7.640 (1.013)		1006	0.50000	0.550 (Q)	
70 Ethylbenzene	106	7.668	7.663 (1.017)		1654	0.50000	0.601 (Q)	
71 m&p-Xylene	106	7.763	7.763 (1.030)		3722	1.00000	1.09 (QM)	NI
72 o-Xylene	106	8.066	8.072 (1.070)		1775	0.50000	0.568 (QM)	NI
73 Styrene	104	8.083	8.083 (1.072)		2778	0.50000	0.523	
74 Bromoform	173	8.219	8.219 (0.887)		695	0.50000	0.545 (M)	NI
75 Isopropylbenzene	105	8.350	8.353 (1.107)		5674	0.50000	0.634 (M)	NI
\$ 76 4-Bromofluorobenzene	95	8.461	8.461 (1.122)		127987	50.0000	50.3	
77 n-amyl acetate	70	8.239	8.241 (1.093)		3155	2.00000	2.46 (QM)	NI
78 Bromobenzene	77	8.564	8.567 (1.136)		1798	0.50000	0.575 (M)	GT
79 1,1,2,2-Tetrachloroethane	83	8.578	8.575 (0.926)		1296	0.50000	0.636 (M)	NI
80 trans-1,4-Dichloro-2-butene	53	8.609	8.614 (1.142)		477	0.50000	0.651 (QM)	NI
81 1,2,3-Trichloropropane	110	8.606	8.603 (0.929)		451	0.50000	0.707 (QM)	NI
82 n-Propylbenzene	91	8.653	8.650 (0.934)		6462	0.50000	0.637 (M)	NI
83 2-Chlorotoluene	91	8.706	8.709 (0.939)		4479	0.50000	0.621 (M)	NI
84 1,3,5-Trimethylbenzene	105	8.773	8.775 (0.947)		4139	0.50000	0.591 (M)	LT
85 4-Chlorotoluene	126	8.784	8.787 (0.948)		950	0.50000	0.491 (QM)	WP

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
86 tert-Butylbenzene	119	8.998	9.004 (0.971)		4809	0.50000	0.591 (M)	GT
87 1,2,4-Trimethylbenzene	105	9.029	9.034 (0.974)		4367	0.50000	0.623 (M)	GT
88 sec-Butylbenzene	105	9.151	9.151 (0.987)		5355	0.50000	0.592 (M)	NI
89 1,3-Dichlorobenzene	146	9.224	9.223 (0.995)		2177	0.50000	0.570 (MH)	WP
90 p-Isopropyltoluene	119	9.246	9.246 (0.998)		3911	0.50000	0.516 (Q)	
* 91 1,4-Dichlorobenzene-d4	152	9.268	9.268 (1.000)		140987	50.0000		
92 1,4-Dichlorobenzene	146	9.282	9.285 (1.001)		2154	0.50000	0.561 (Q)	
93 n-Butylbenzene	91	9.516	9.516 (1.027)		4566	0.50000	0.640 (M)	GT
94 1,2-Dichlorobenzene	146	9.530	9.532 (1.028)		1834	0.50000	0.538 (M)	NI
95 1,2-Dibromo-3-chloropropane	155	10.039	10.033 (1.083)		176	0.50000	0.511 (QM)	NI
96 1,2,4-Trichlorobenzene	180	10.542	10.545 (1.137)		1298	0.50000	0.530 (M)	NI
97 Hexachlorobutadiene	225	10.640	10.640 (1.148)		573	0.50000	0.452 (M)	NI
98 Naphthalene	128	10.701	10.701 (1.155)		3055	0.50000	0.537 (M)	NI
99 1,2,3-Trichlorobenzene	180	10.843	10.845 (1.170)		1108	0.50000	0.504 (M)	NI
100 2-methyl-naphthalene	142	11.416	11.419 (1.232)		1733	0.50000	0.594 (M)	NI
101 1-Methylnaphthalene	142	11.561	11.558 (1.247)		1162	0.50000	0.494 (M)	NI

QC Flag Legend

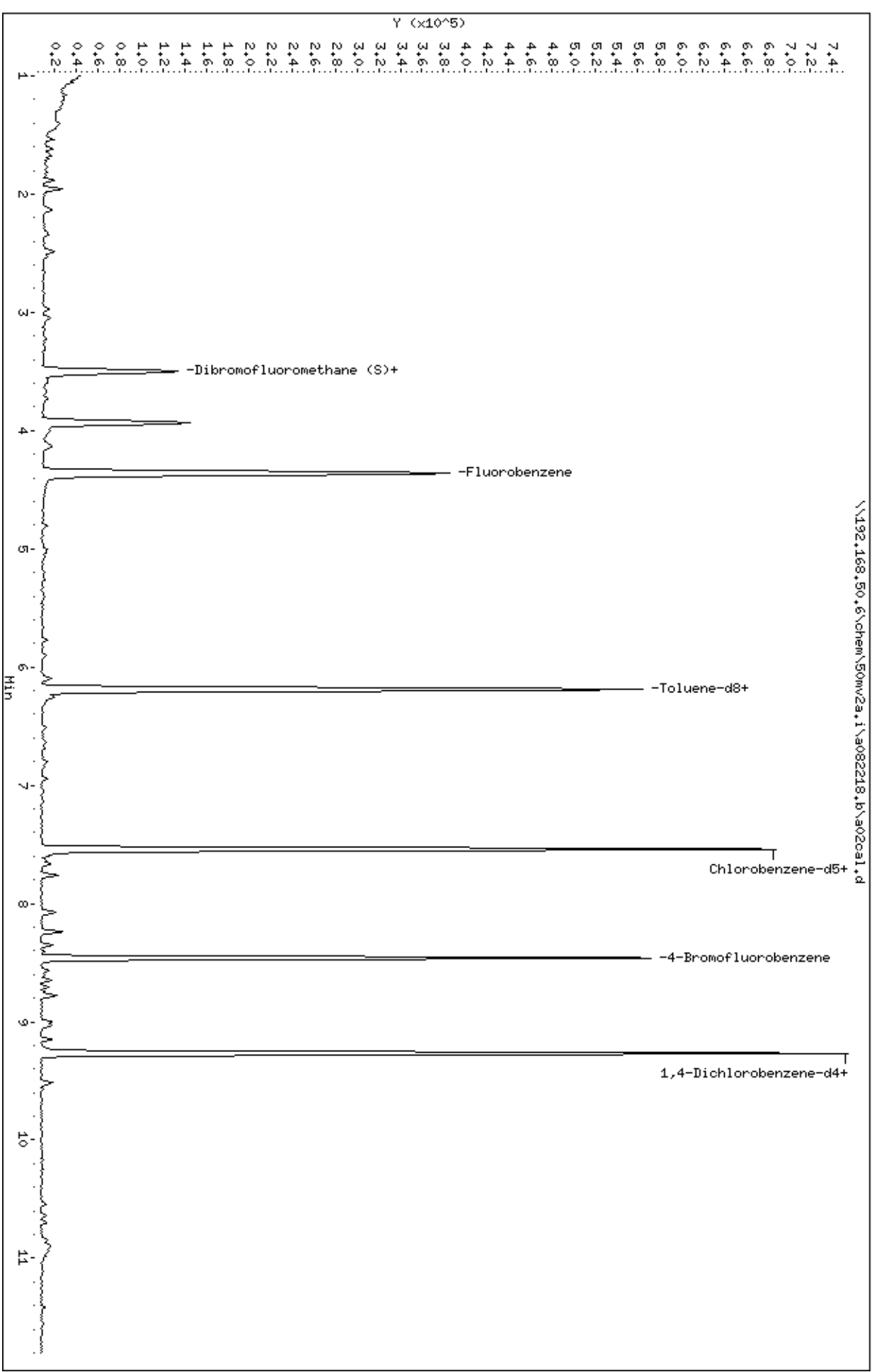
- T - Target compound detected outside RT window.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Review Codes Legend

- NI: Indicates that the peak was not integrated at all by the computer software.
- :
- LT: Indicates that the peak in question was inappropriately integrated to an area less than what it should be (e.g., Peak area was cut).
- GT: Indicates that the peak in question was inappropriately integrated to an area greater than it should be (e.g., Peak tailing).
- WP: Indicates that the wrong peak was chosen by the data system.

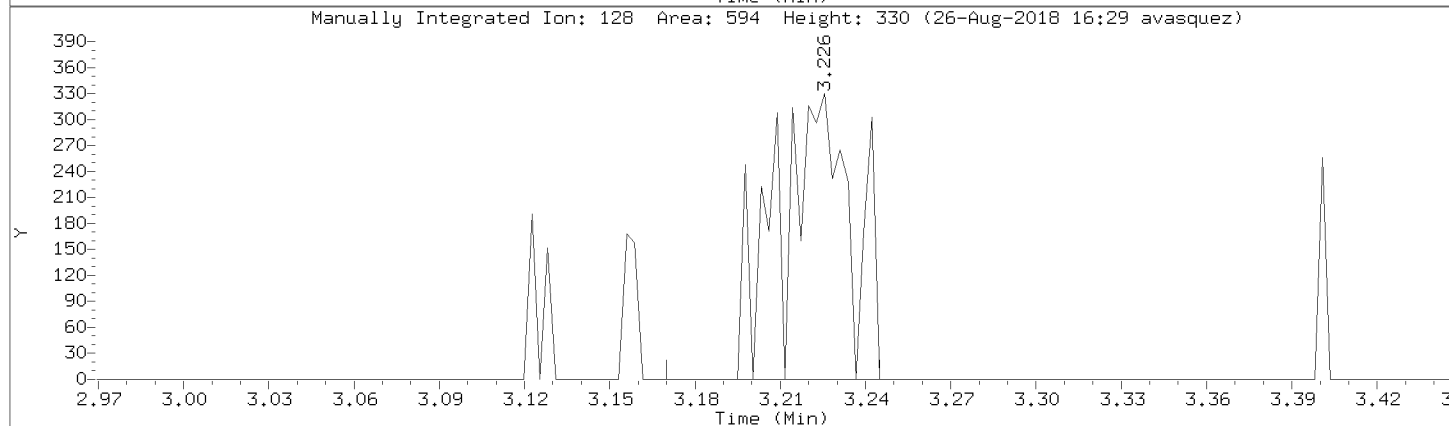
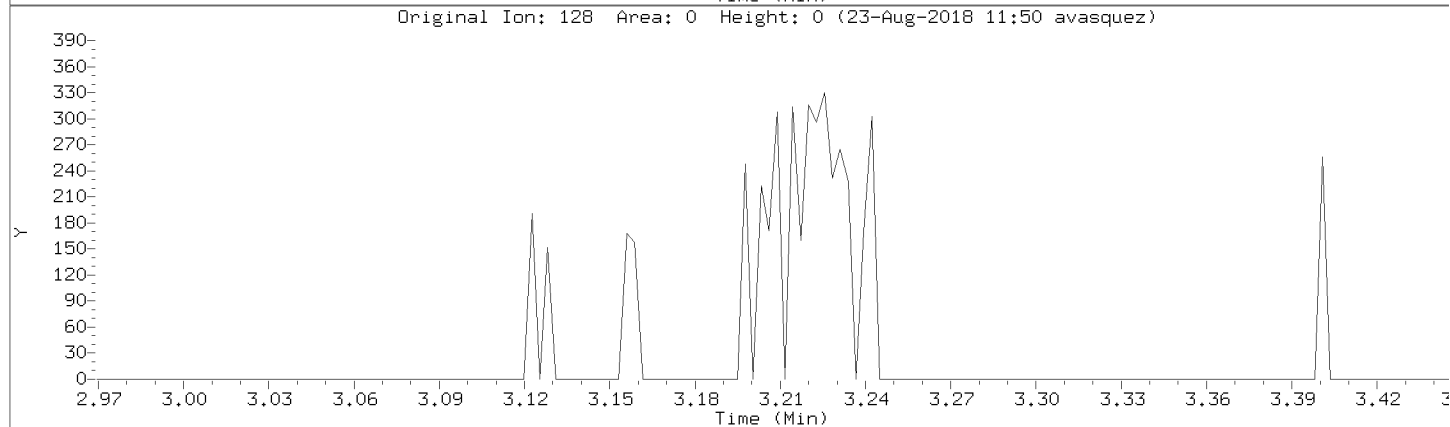
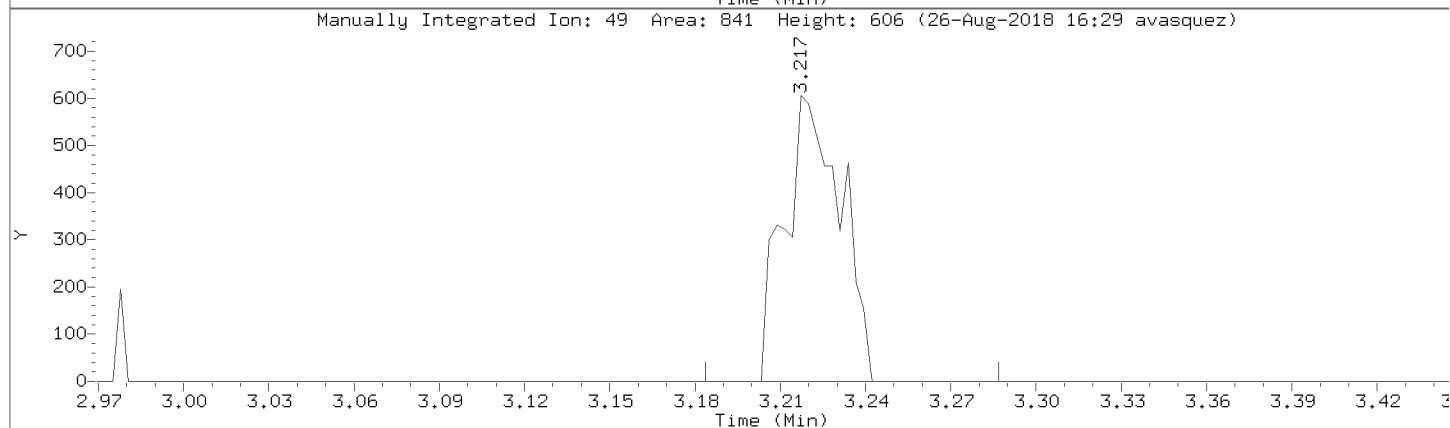
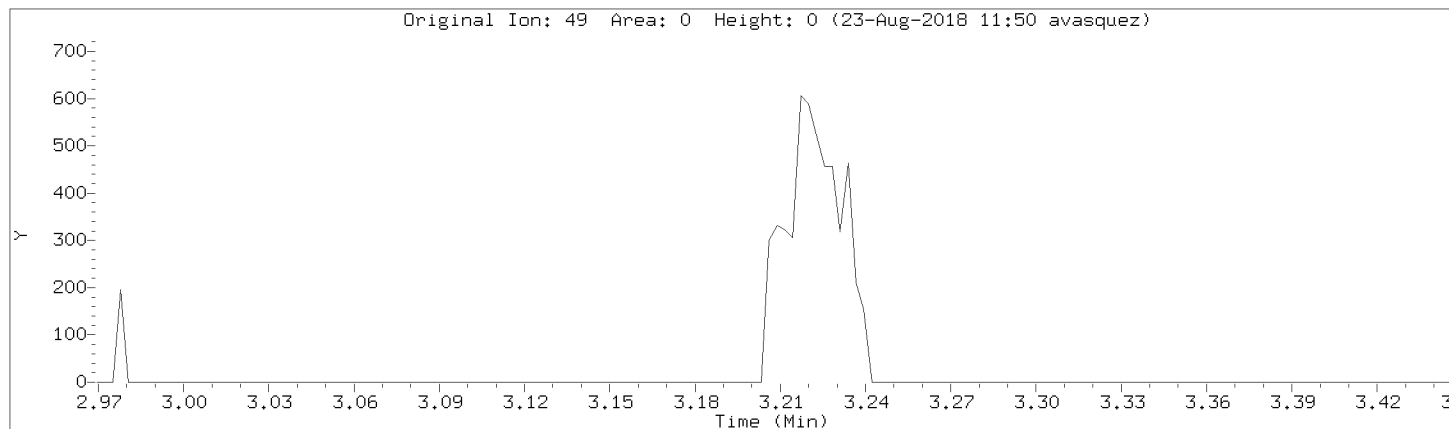
Data File: \\192.168.50.6\chem\50mw2a.1\A082218.b\A020a1.d
Date: 22-AUG-2018 14:19
Client ID: 8260-CAL1
Sample Info: 8260-CAL1,184419:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw2a.1
Operator: amv
Column diameter: 0.18

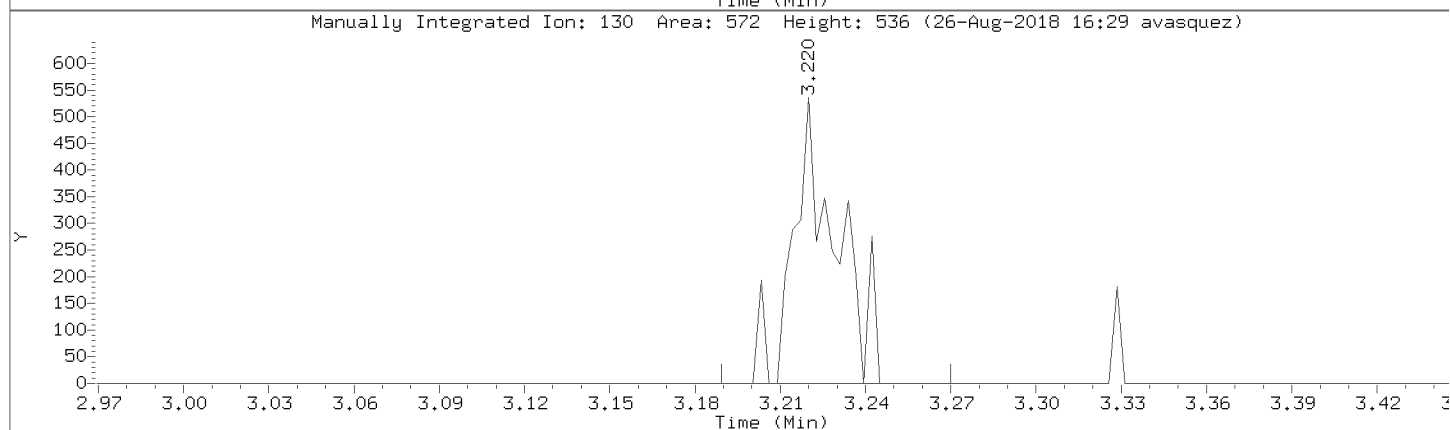
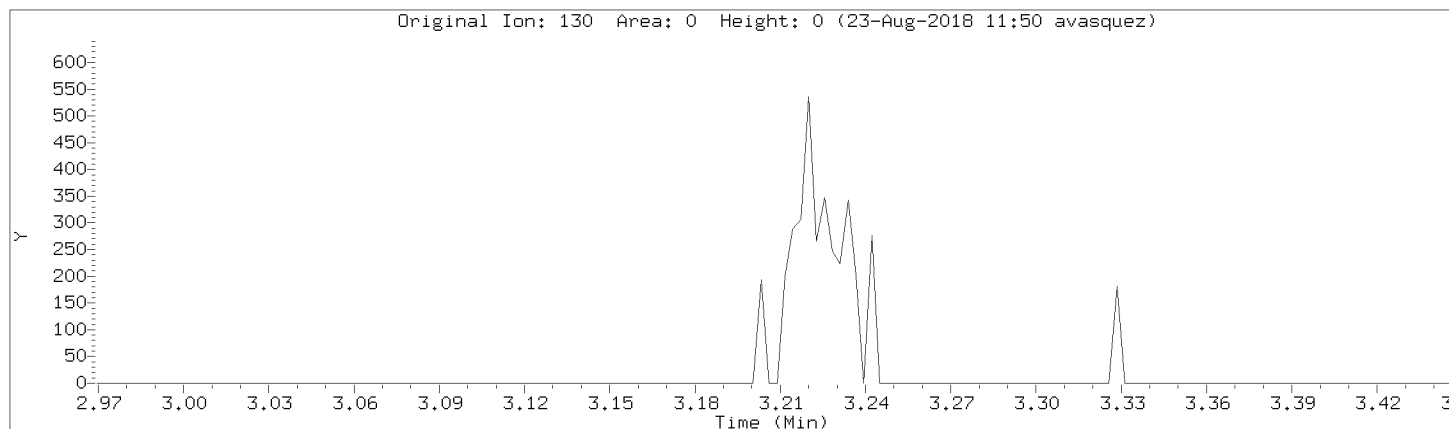


Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: Bromochloromethane Review Code: NI
CAS Number: 74-97-5



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d

Injection Date: 22-AUG-2018 14:19

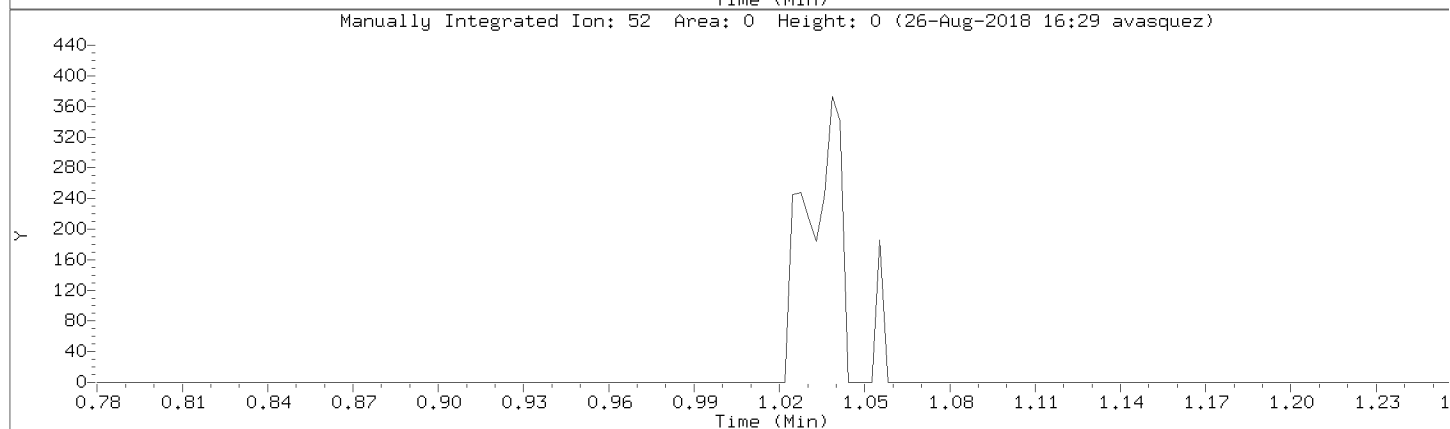
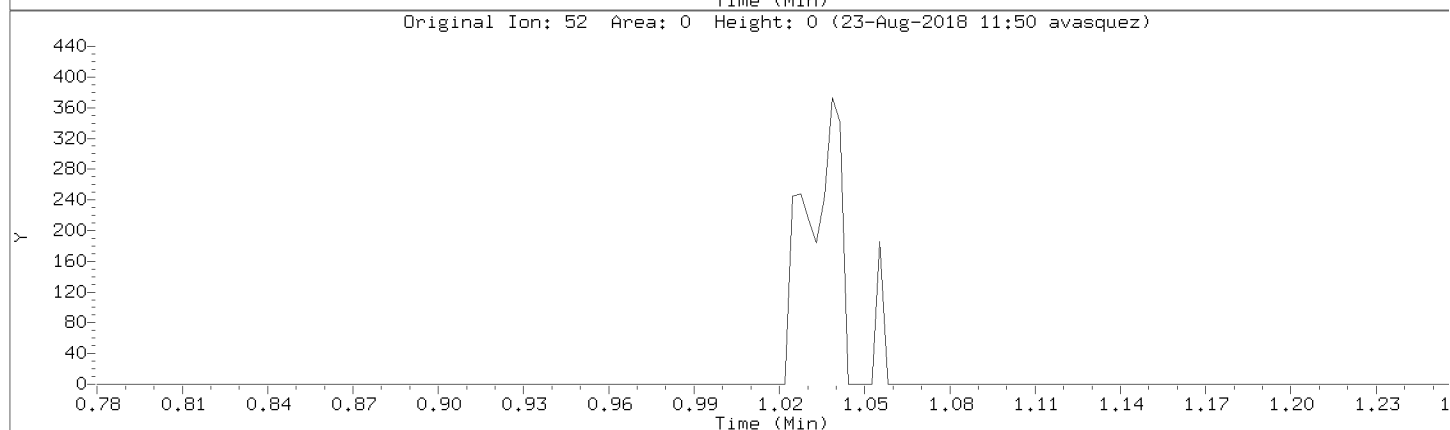
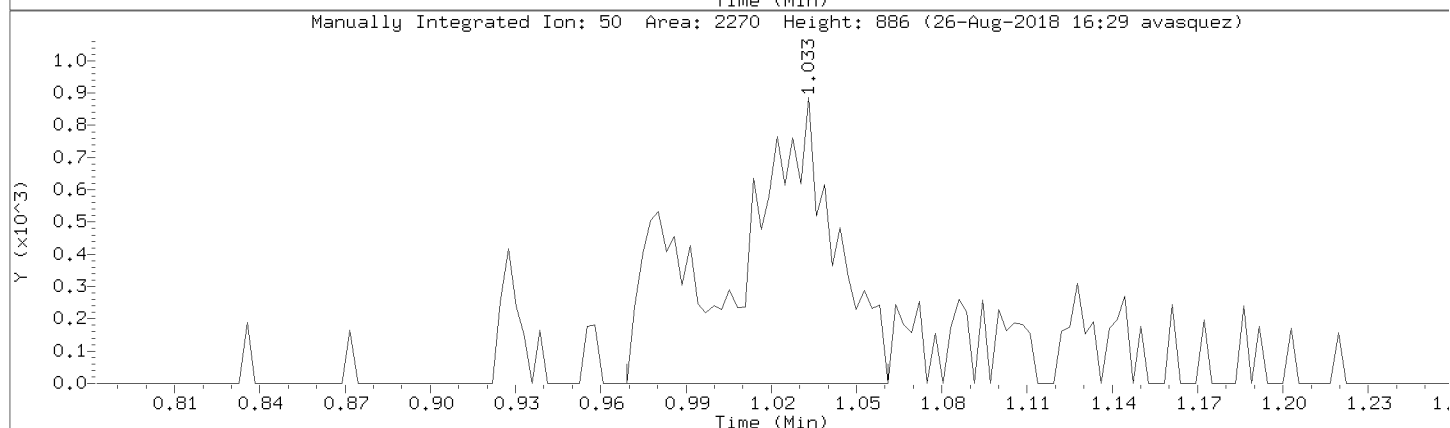
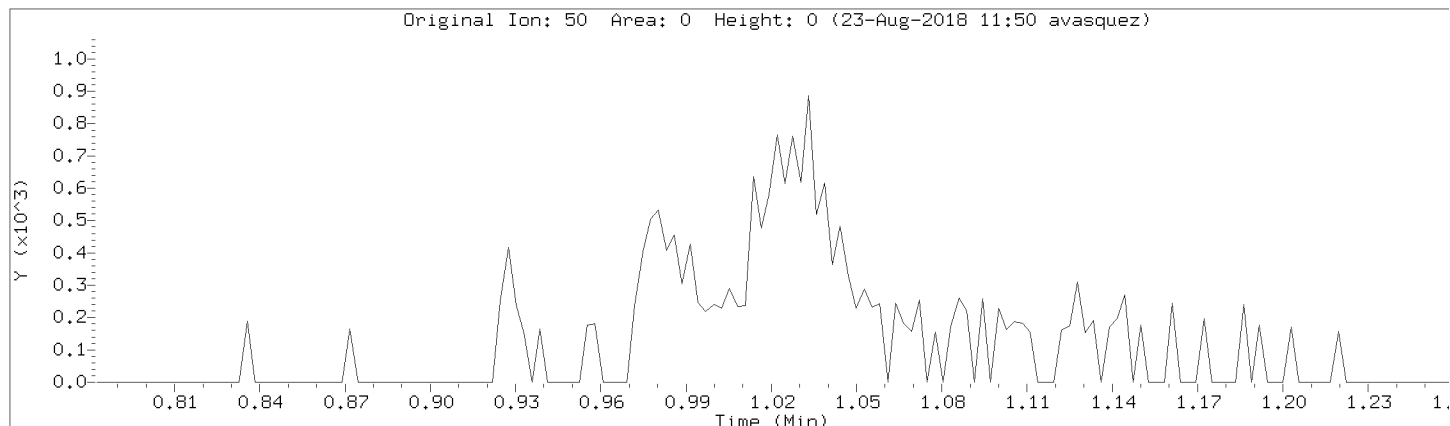
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Chloromethane

Review Code: NI

CAS Number: 74-87-3



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d

Injection Date: 22-AUG-2018 14:19

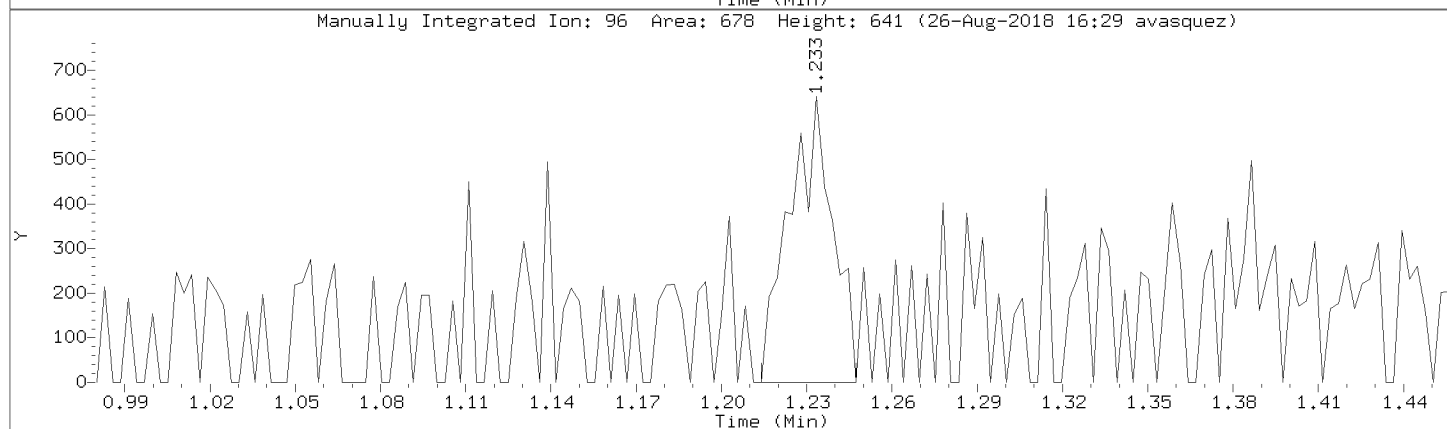
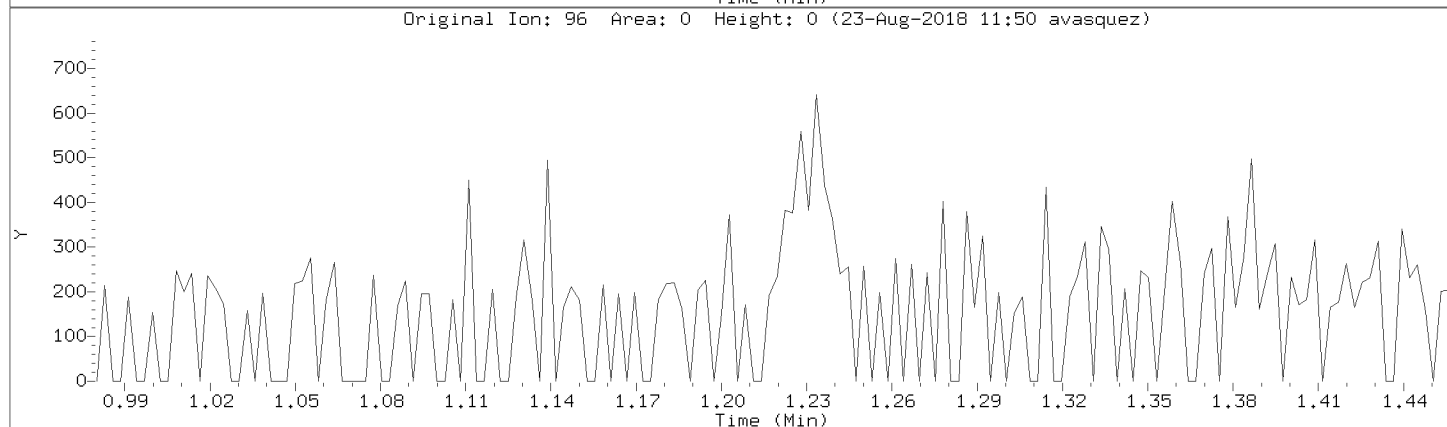
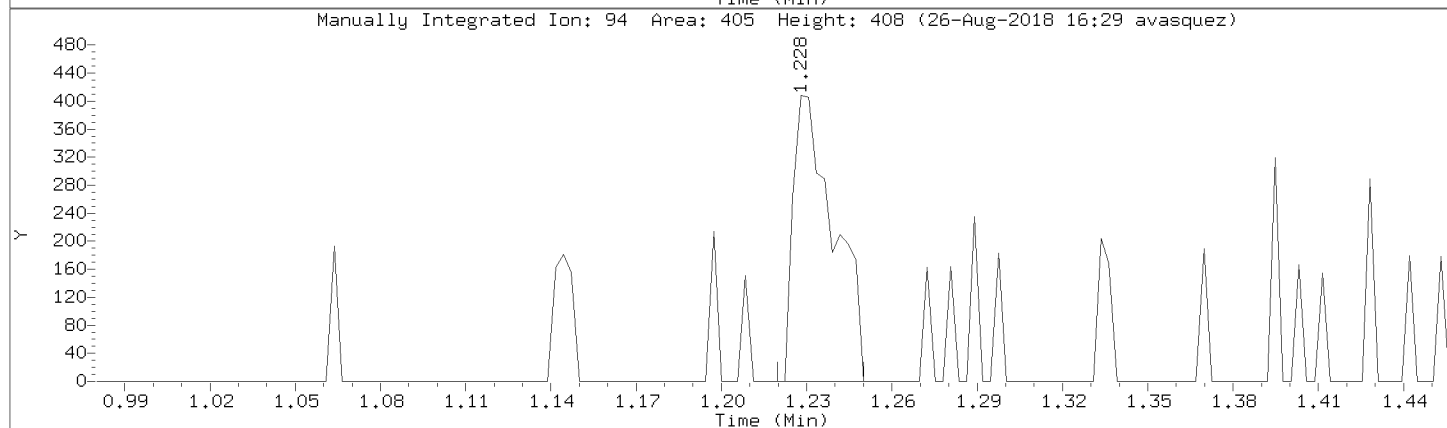
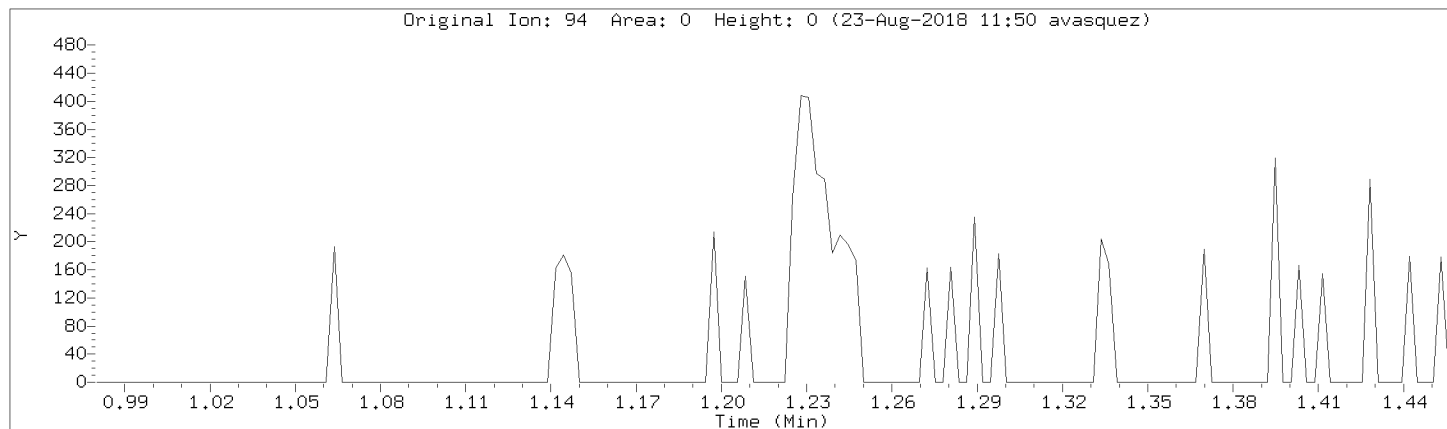
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Bromomethane

Review Code: NI

CAS Number: 74-83-9



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d

Injection Date: 22-AUG-2018 14:19

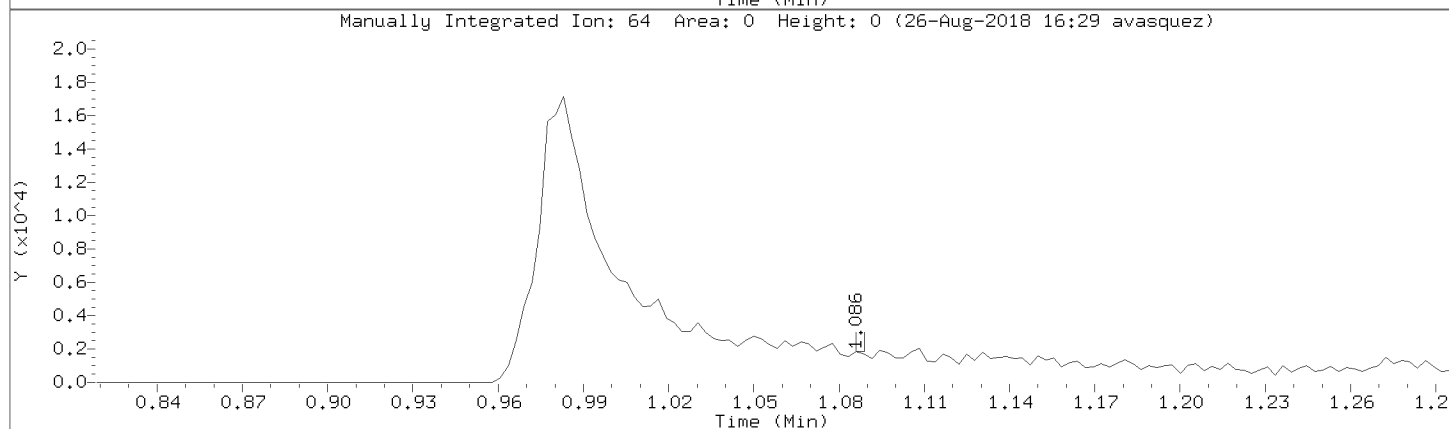
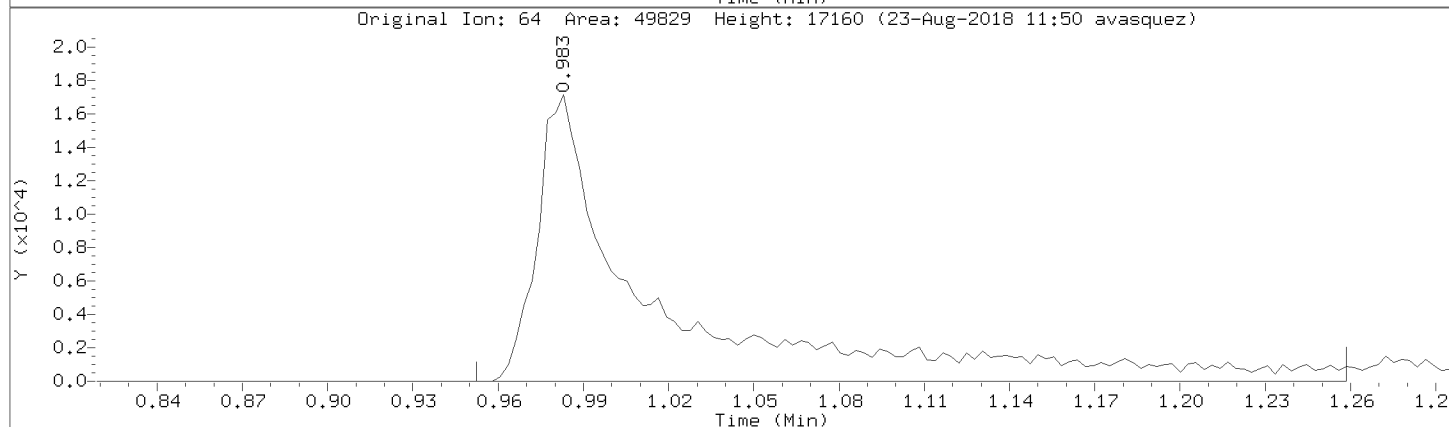
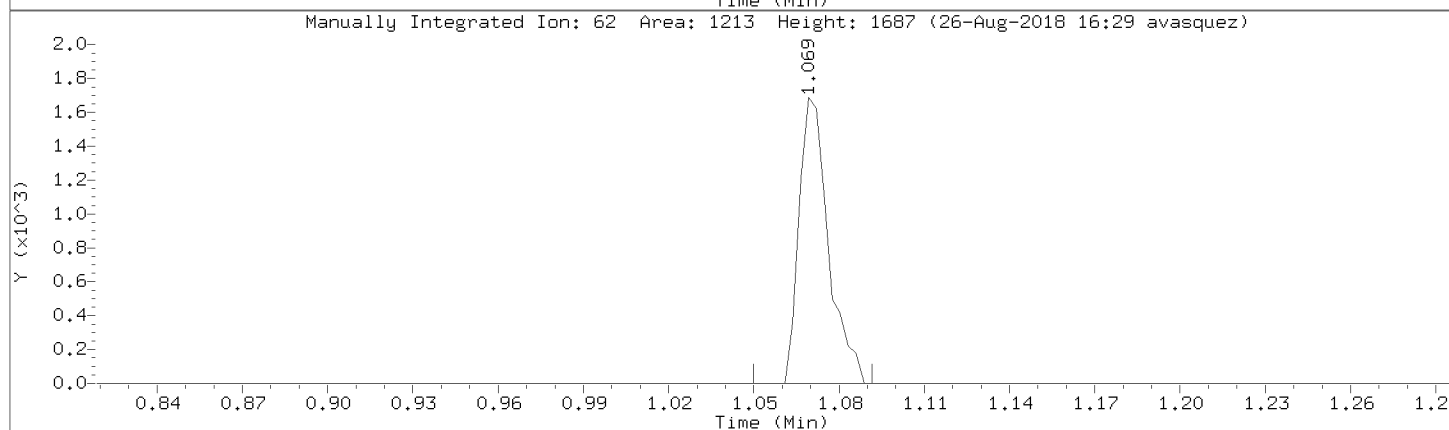
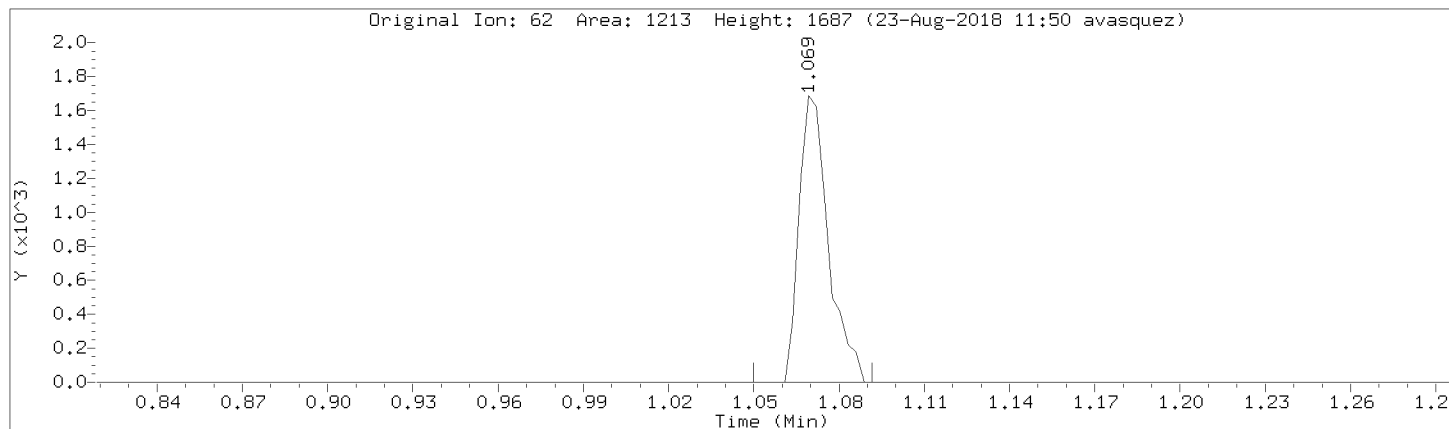
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Vinyl Chloride

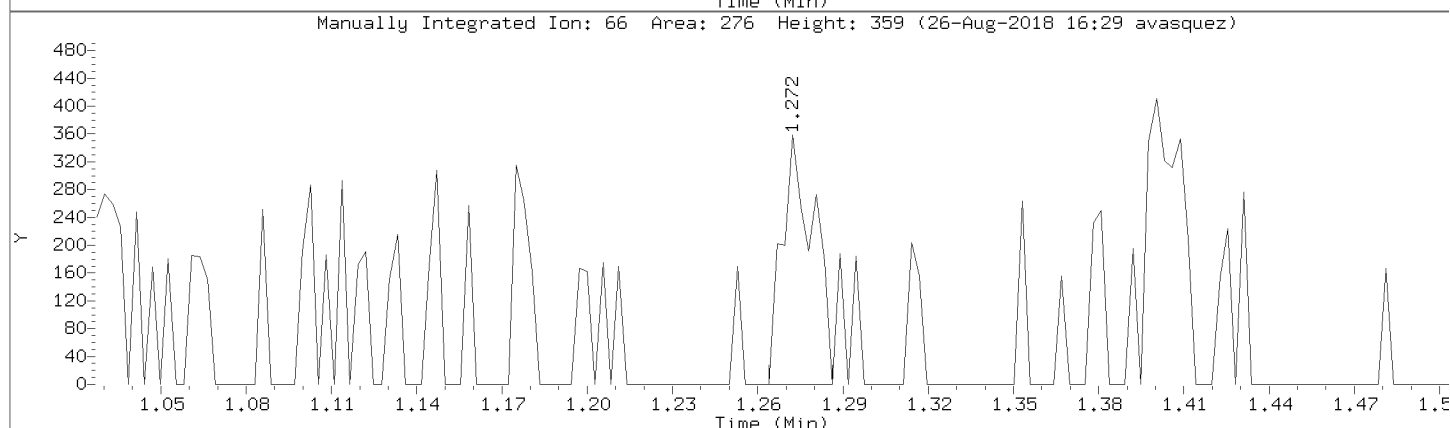
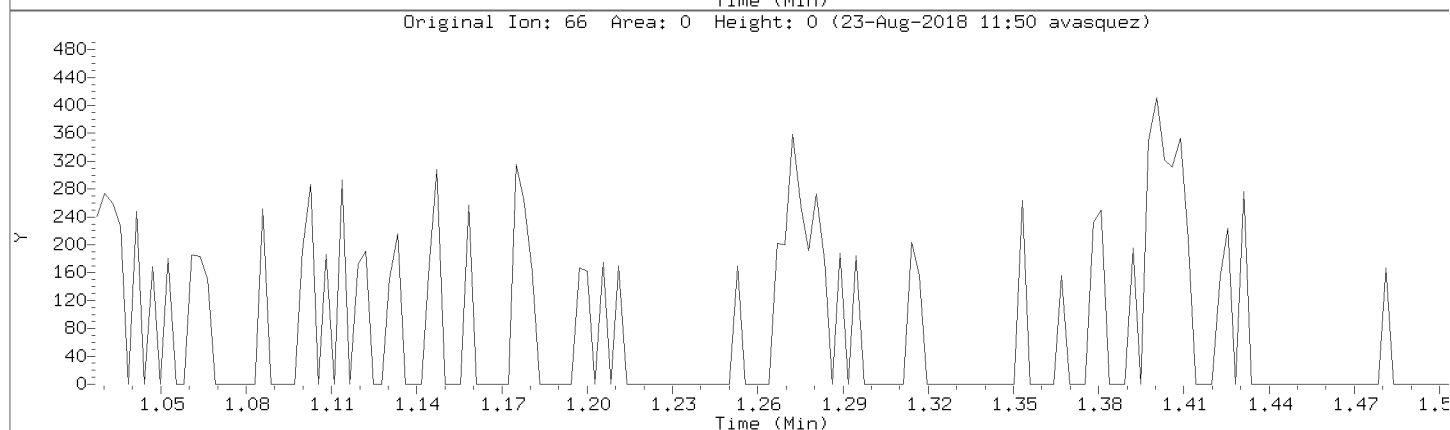
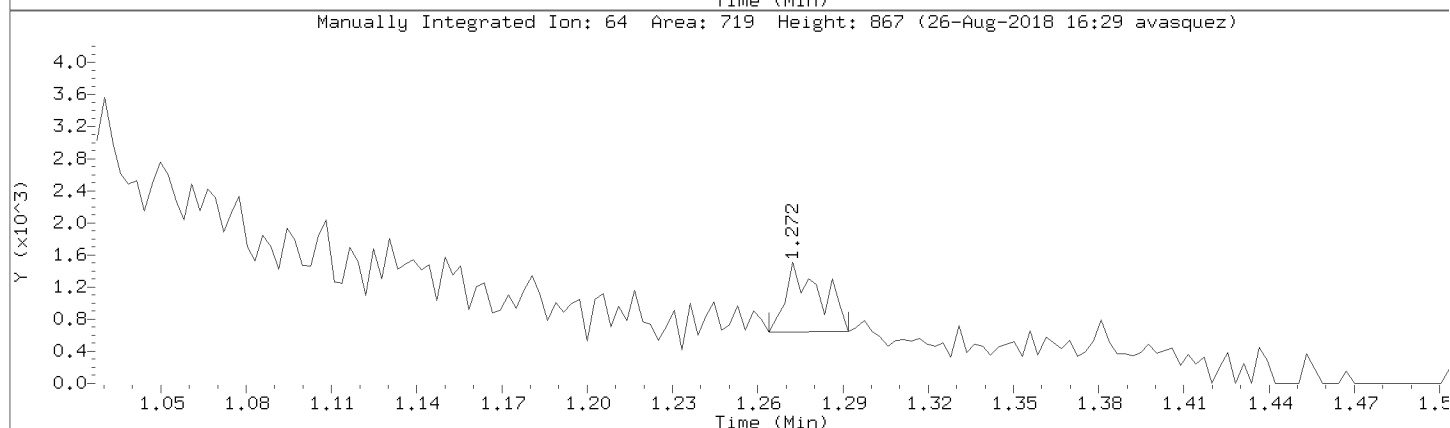
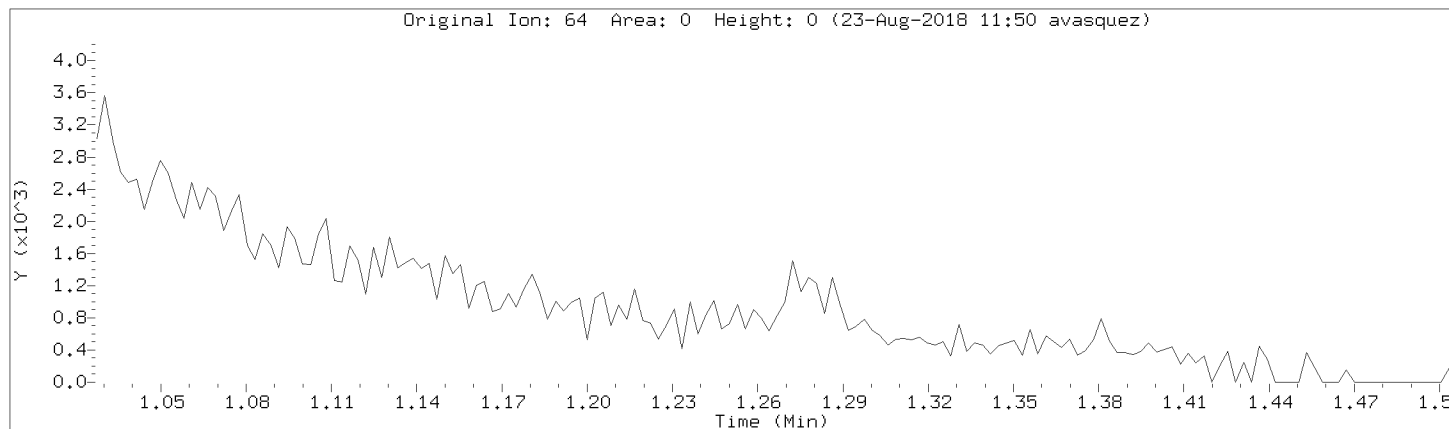
Review Code:

CAS Number: 75-01-4



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: Chloroethane Review Code: NI
CAS Number: 75-00-3



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\02cal.d

Injection Date: 22-AUG-2018 14:19

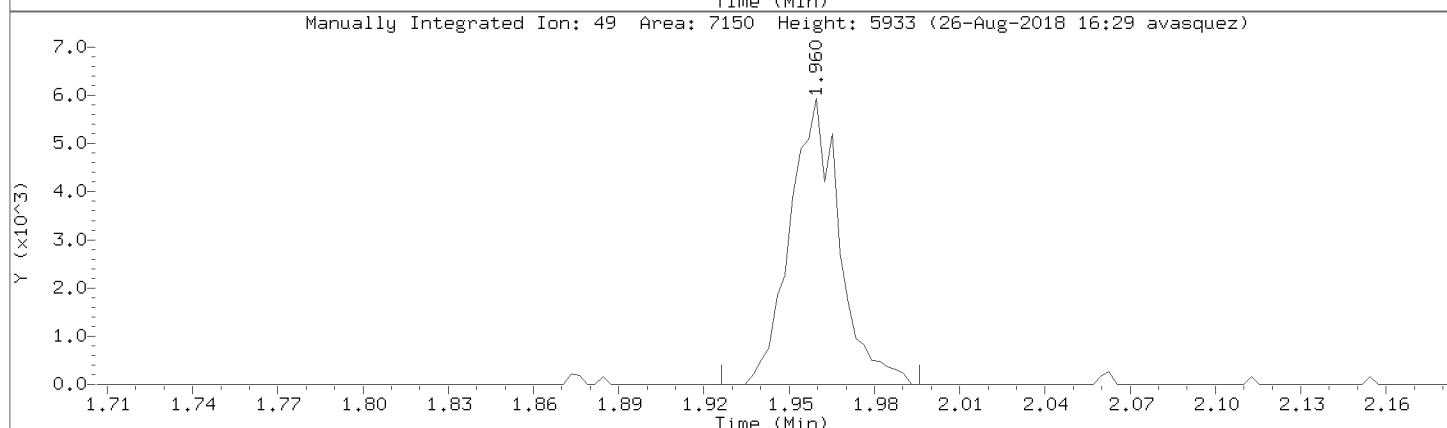
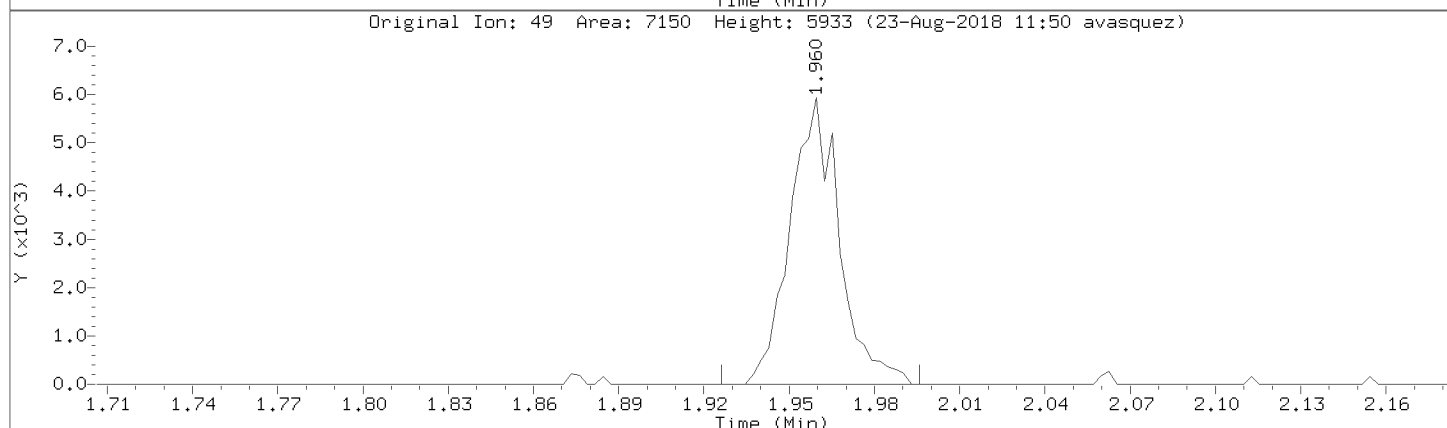
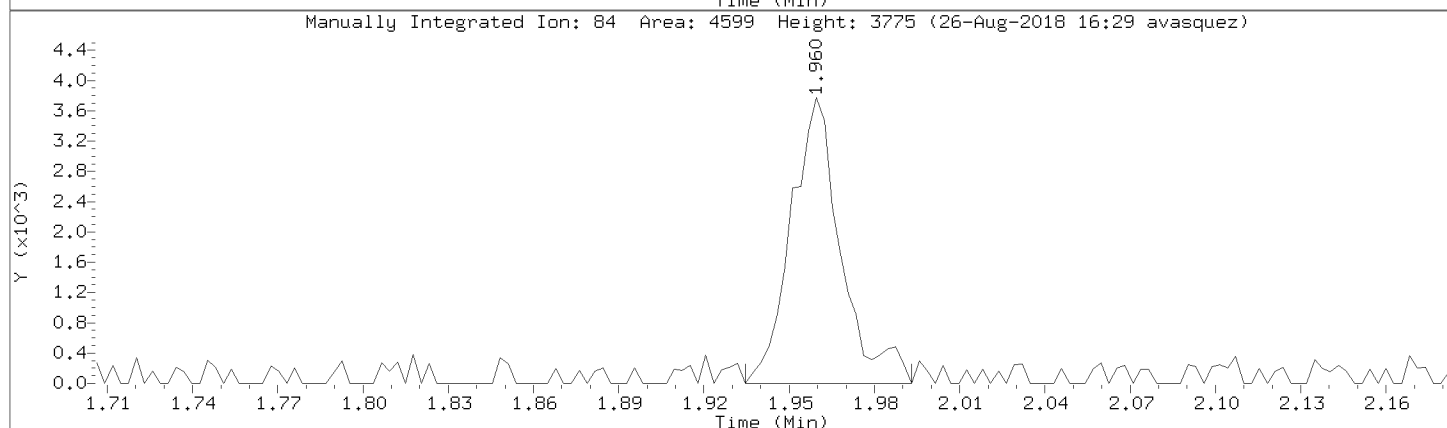
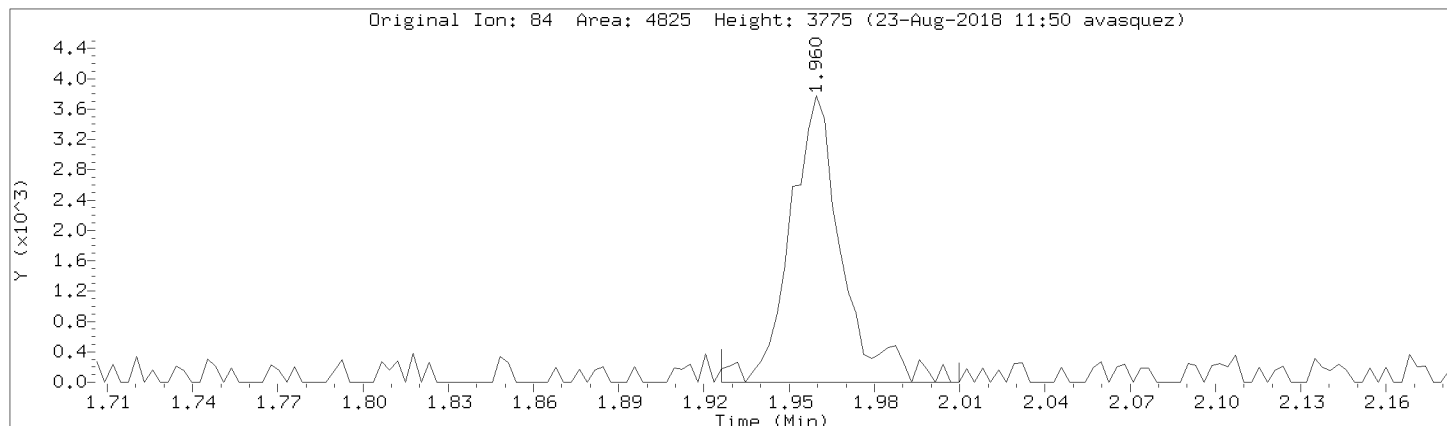
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

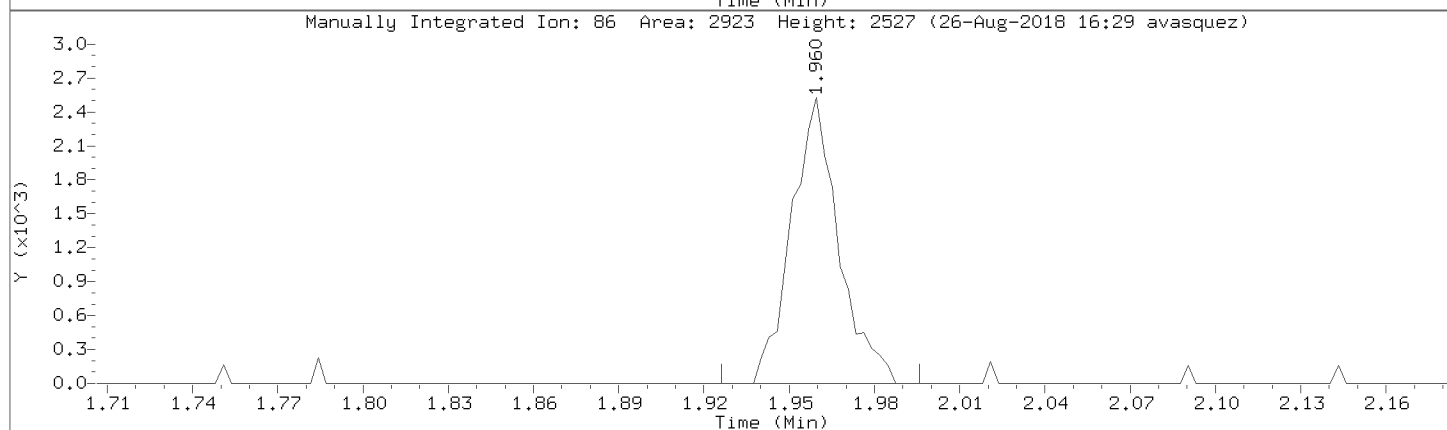
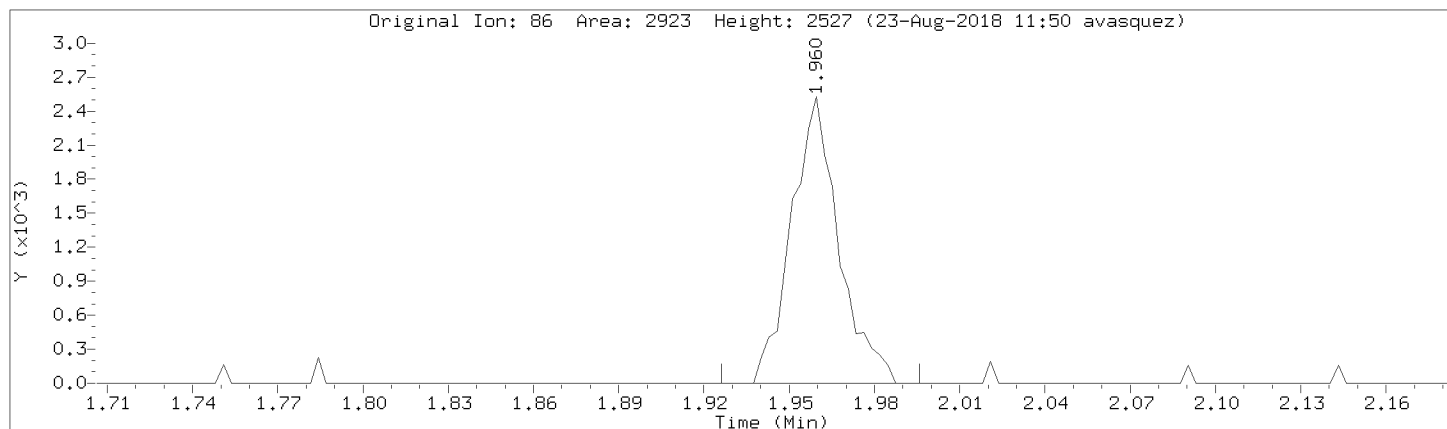
Compound: Methylene Chloride

Review Code: GT

CAS Number: 75-09-2



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\02cal.d

Injection Date: 22-AUG-2018 14:19

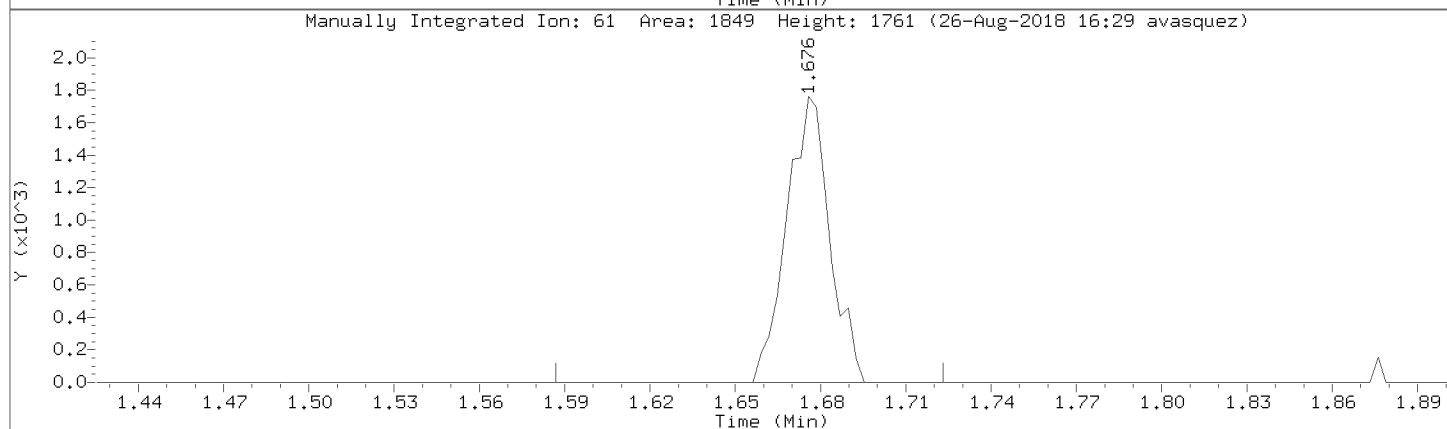
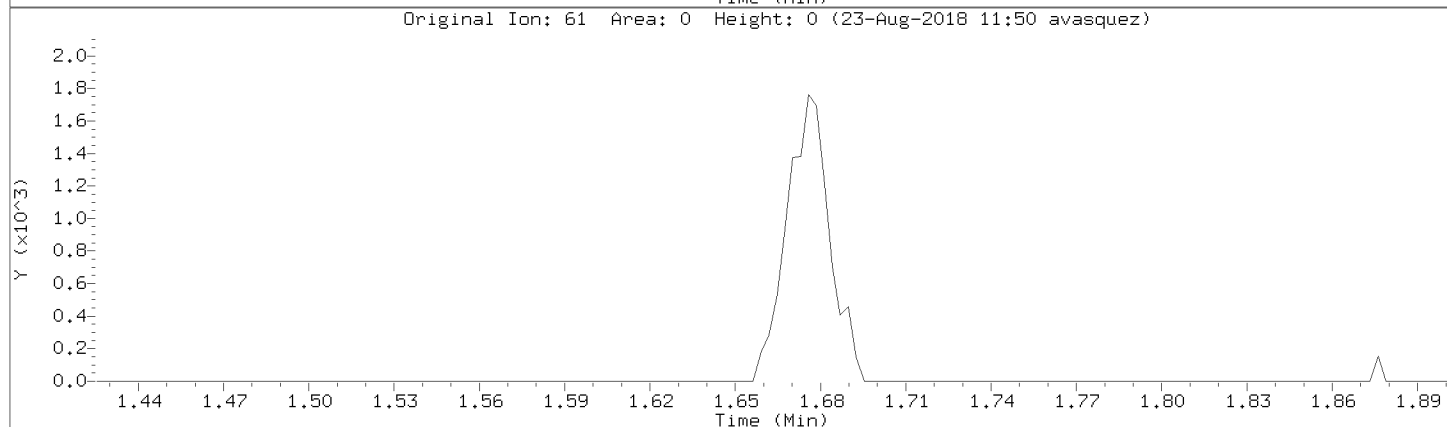
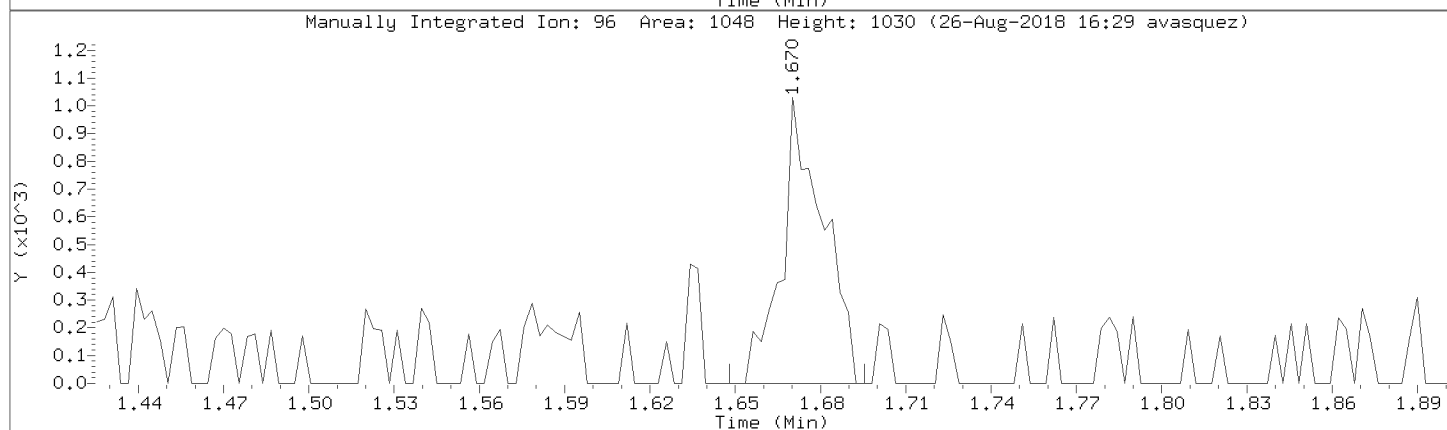
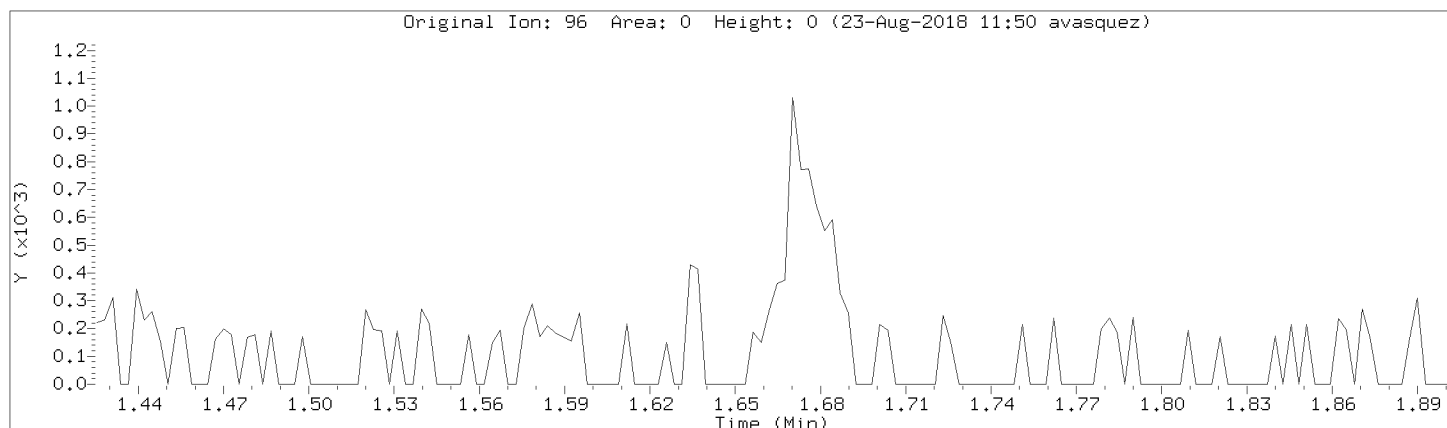
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

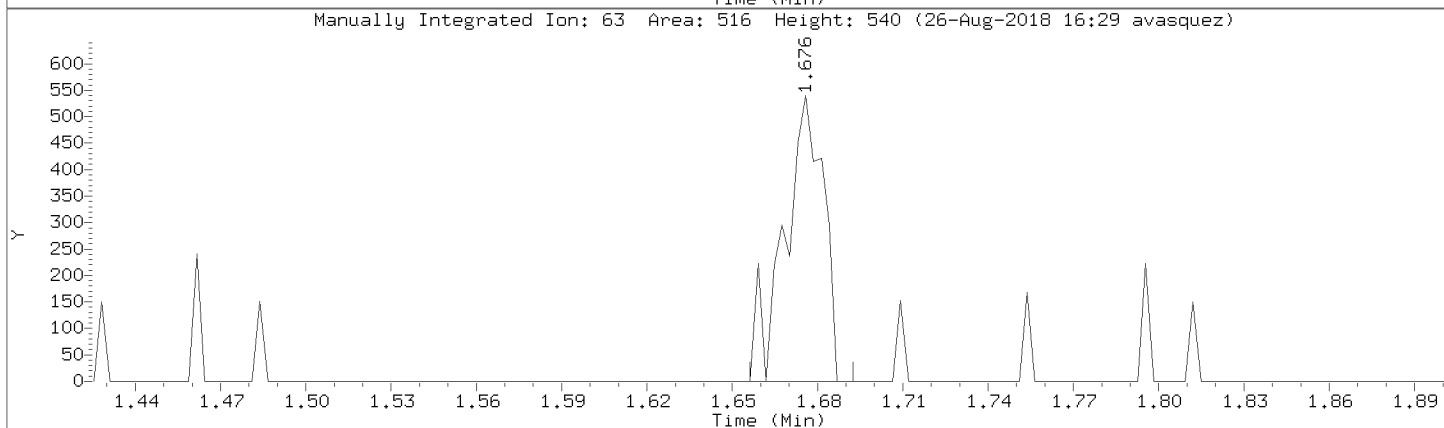
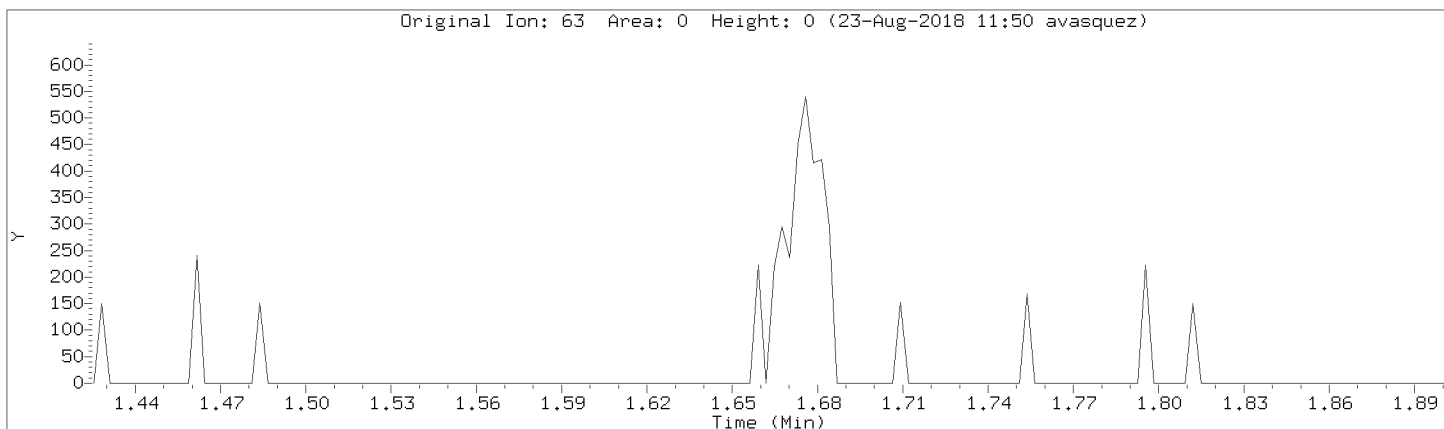
Compound: 1,1-Dichloroethene

Review Code: NI

CAS Number: 75-35-4



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d

Injection Date: 22-AUG-2018 14:19

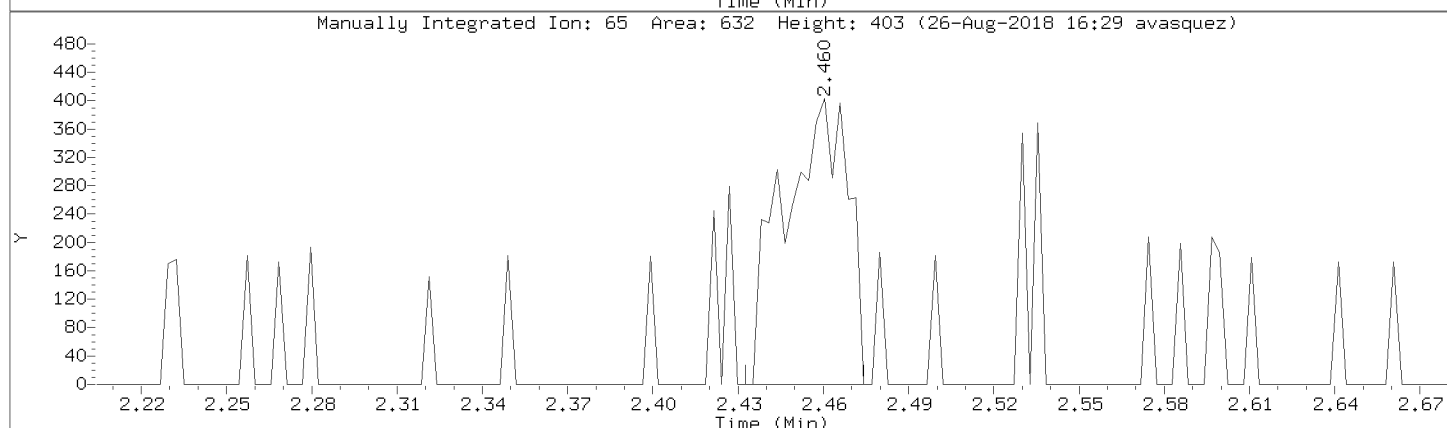
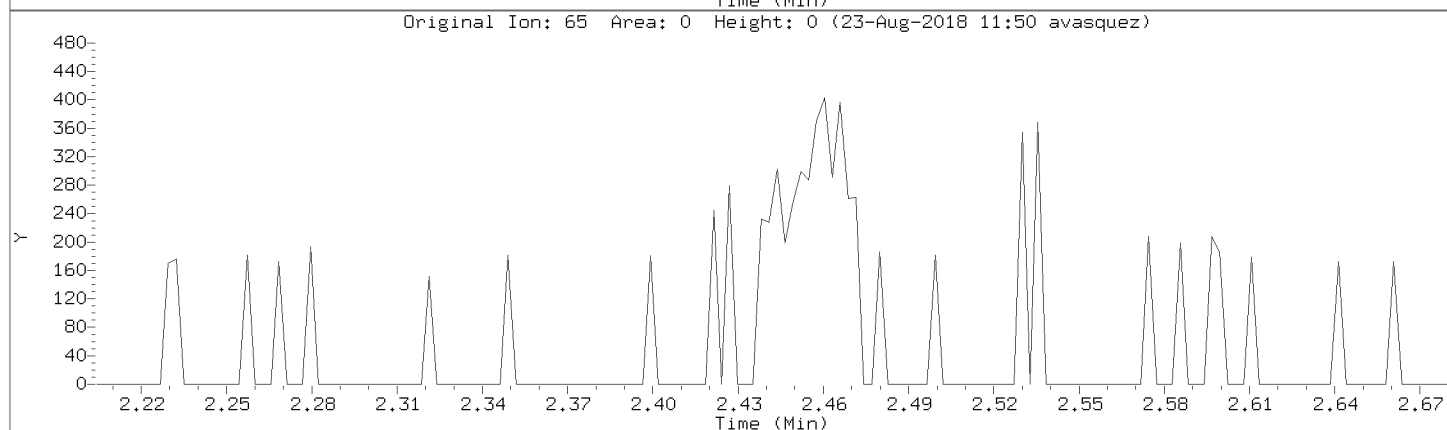
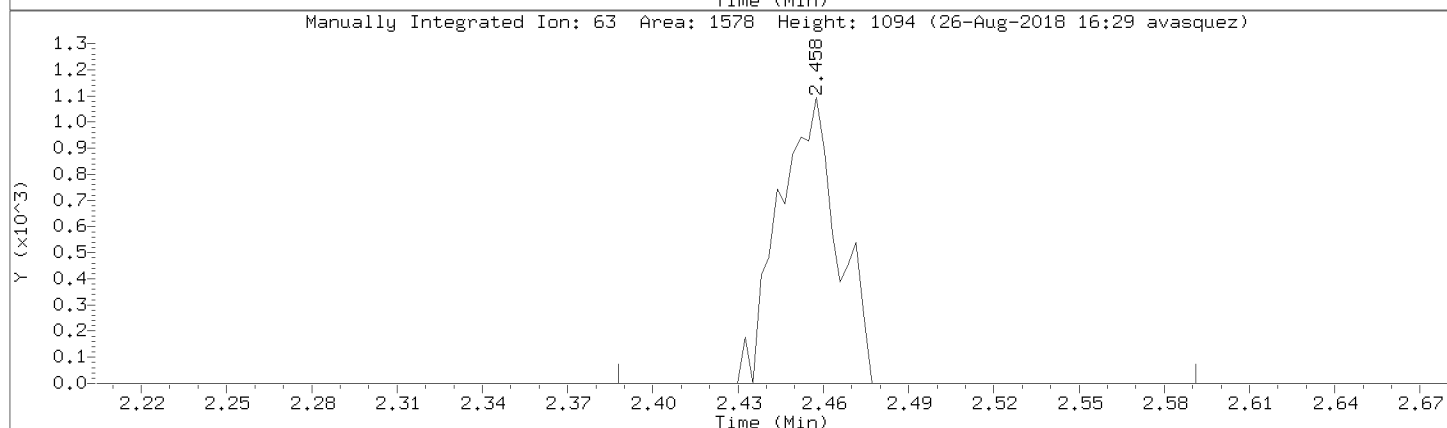
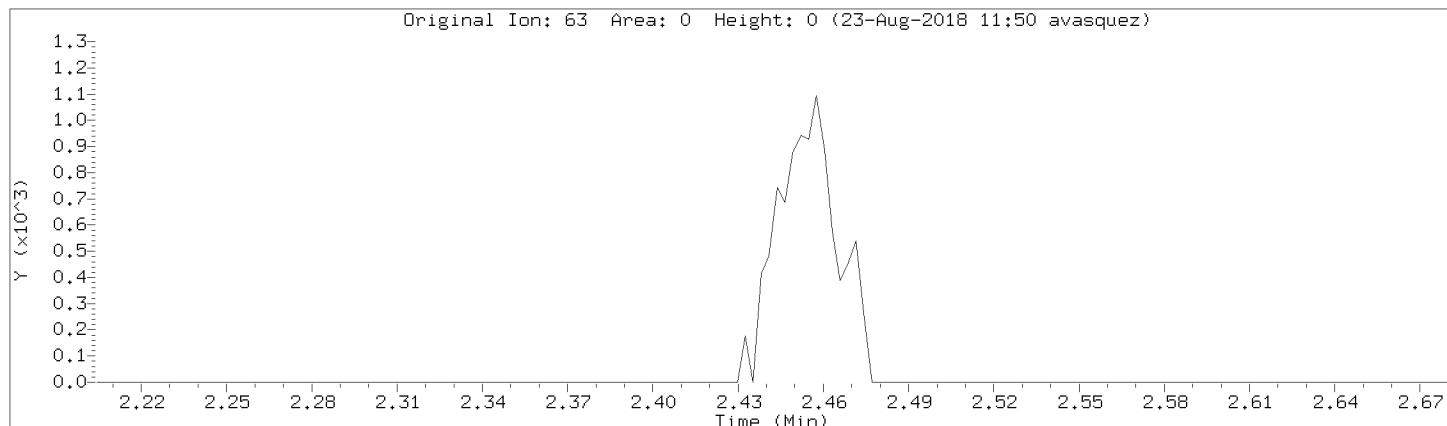
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

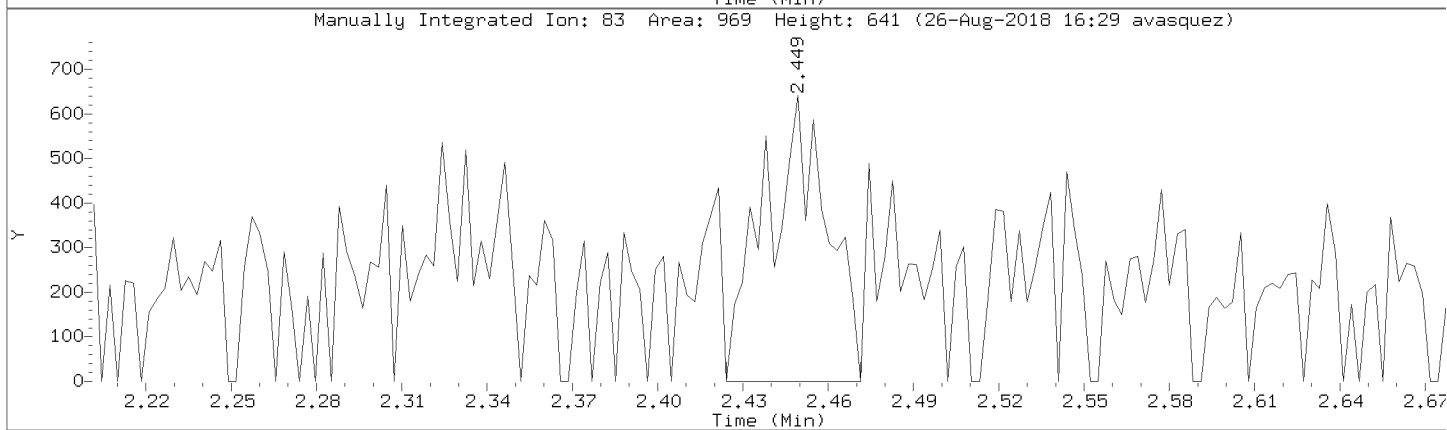
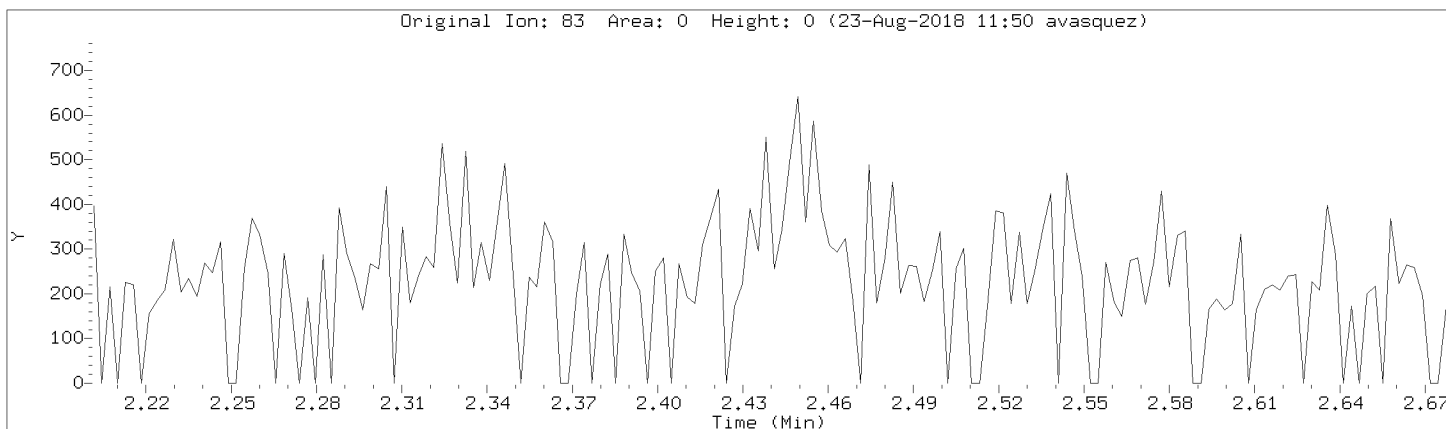
Compound: 1,1-Dichloroethane

Review Code: NI

CAS Number: 75-34-3



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d

Injection Date: 22-AUG-2018 14:19

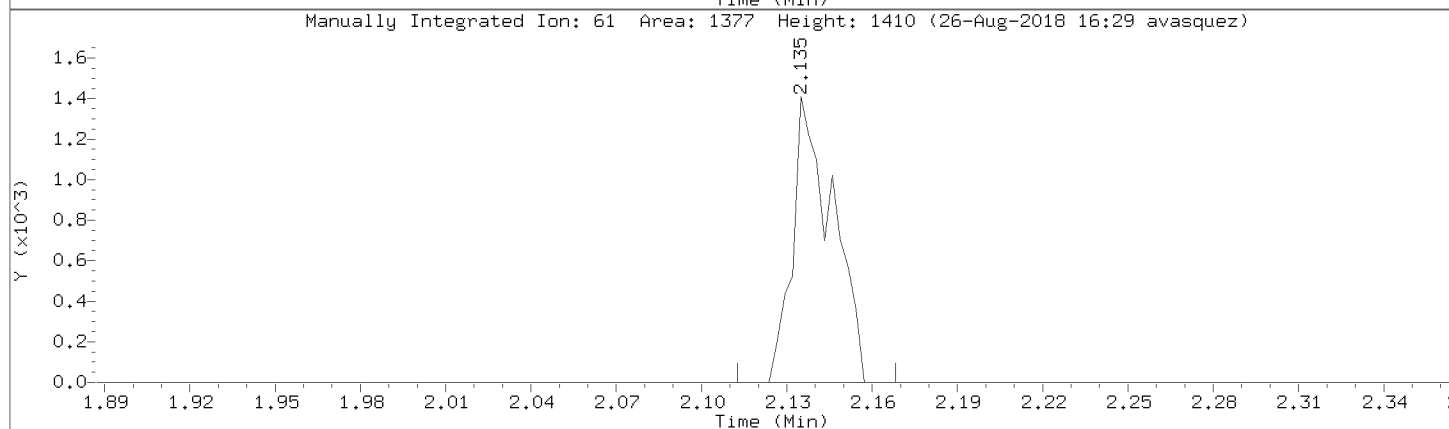
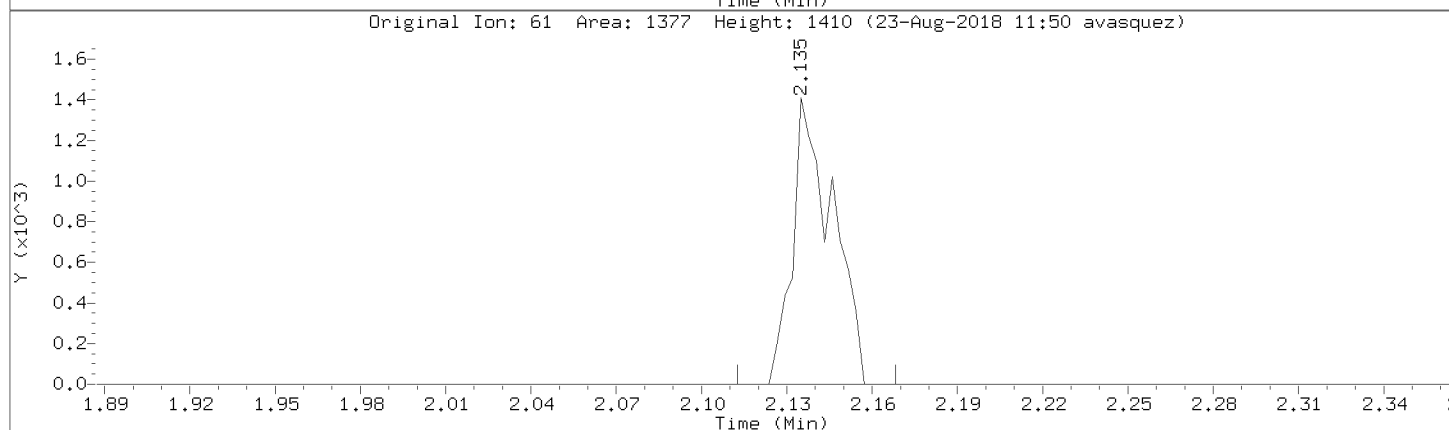
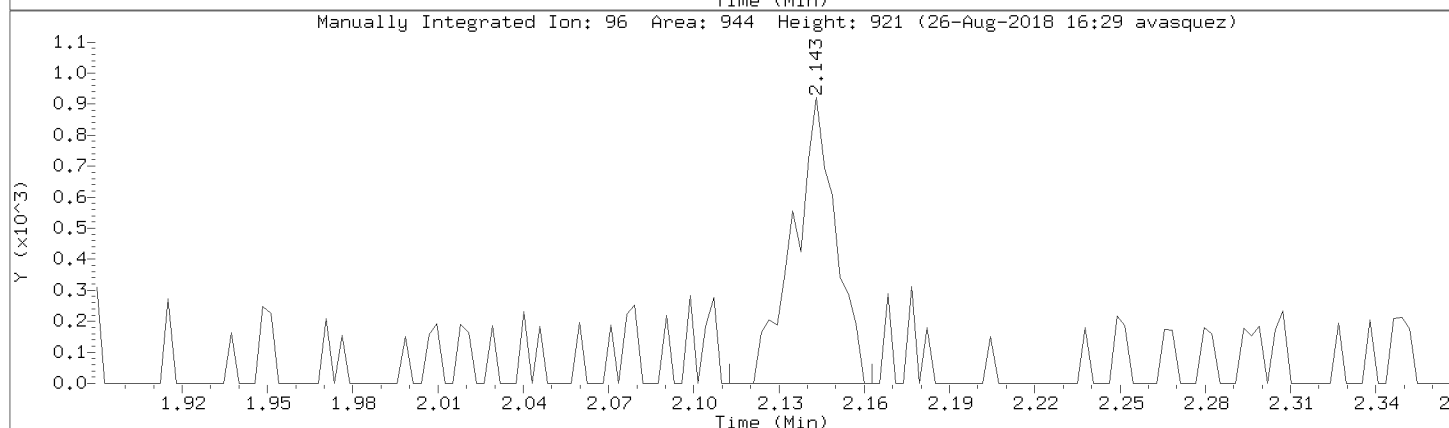
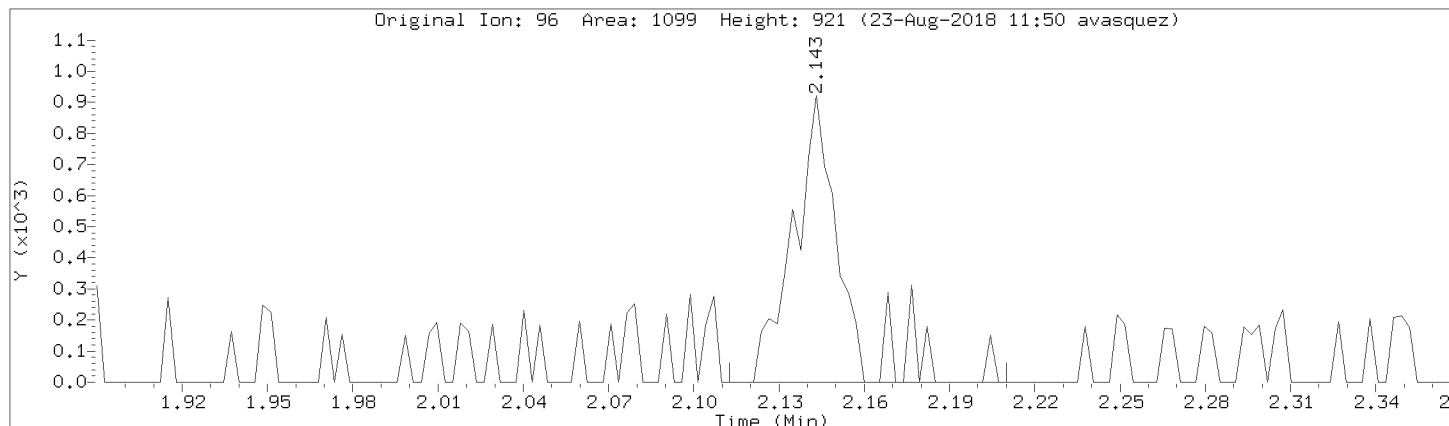
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

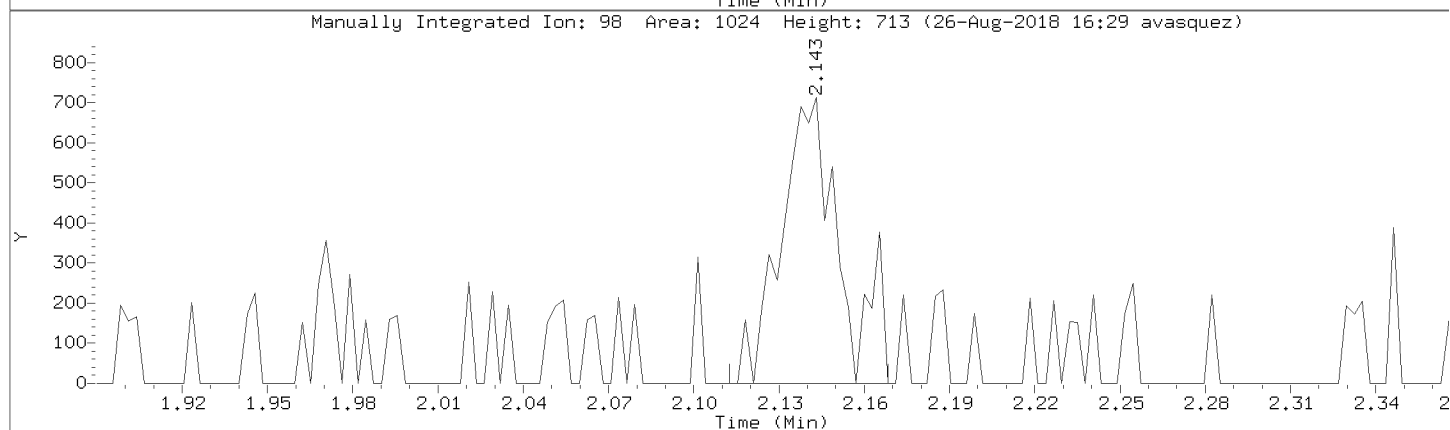
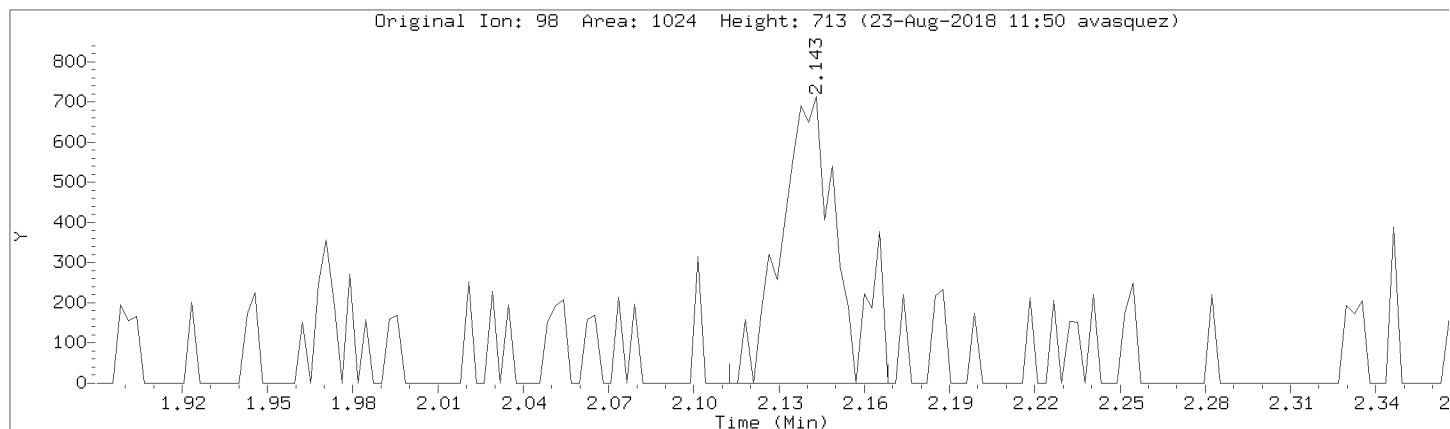
Compound: 1,2-Dichloroethene (trans)

Review Code: GT

CAS Number: 156-60-5



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\02cal.d

Injection Date: 22-AUG-2018 14:19

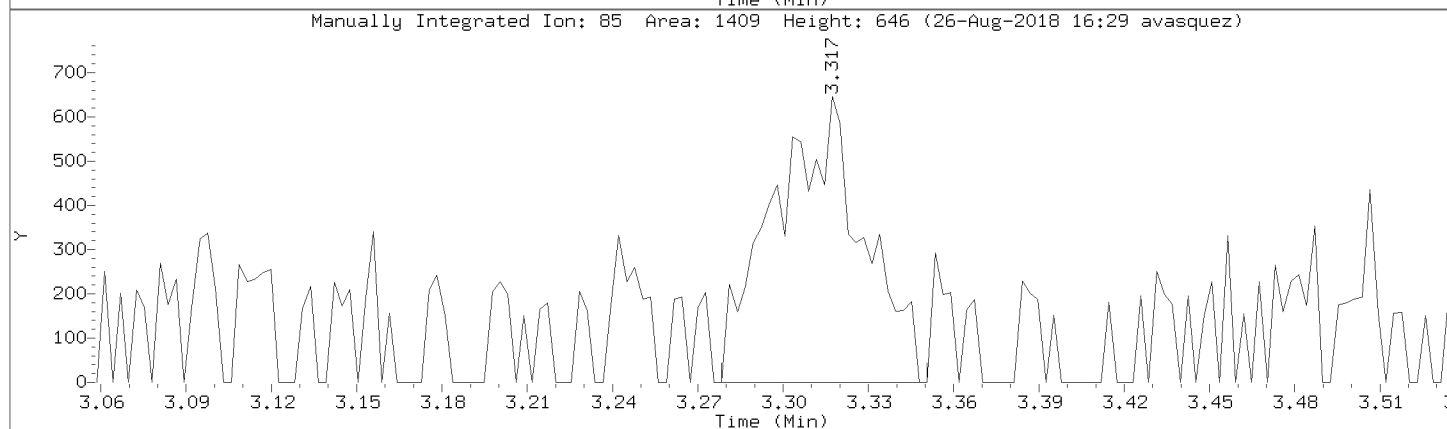
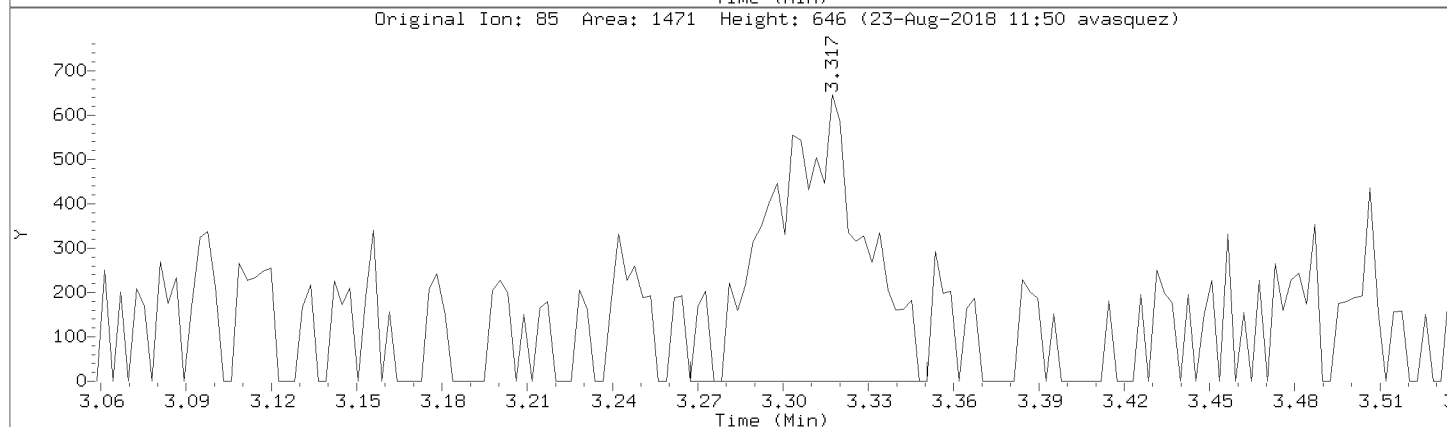
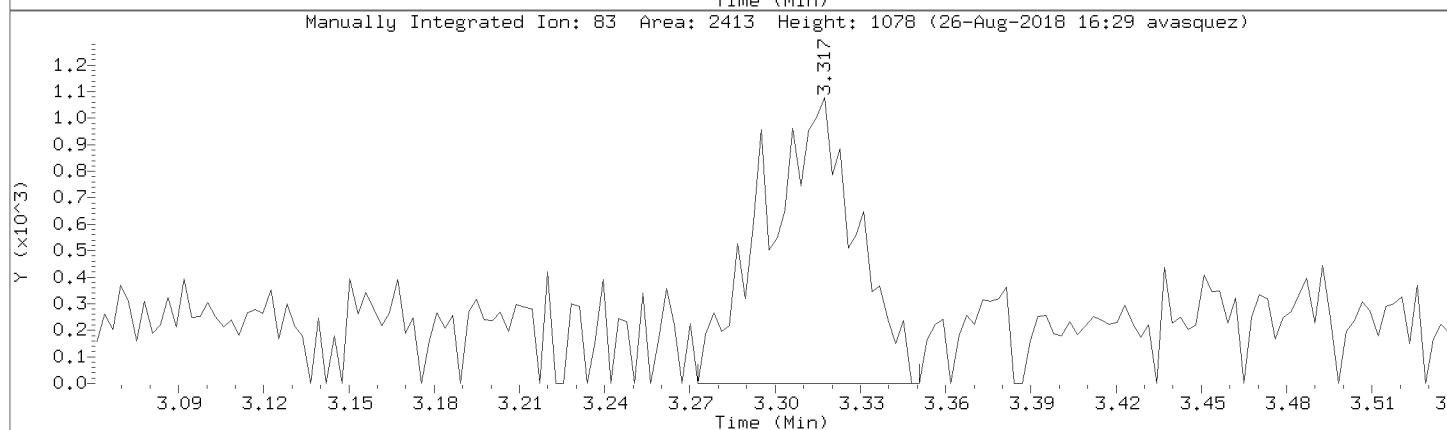
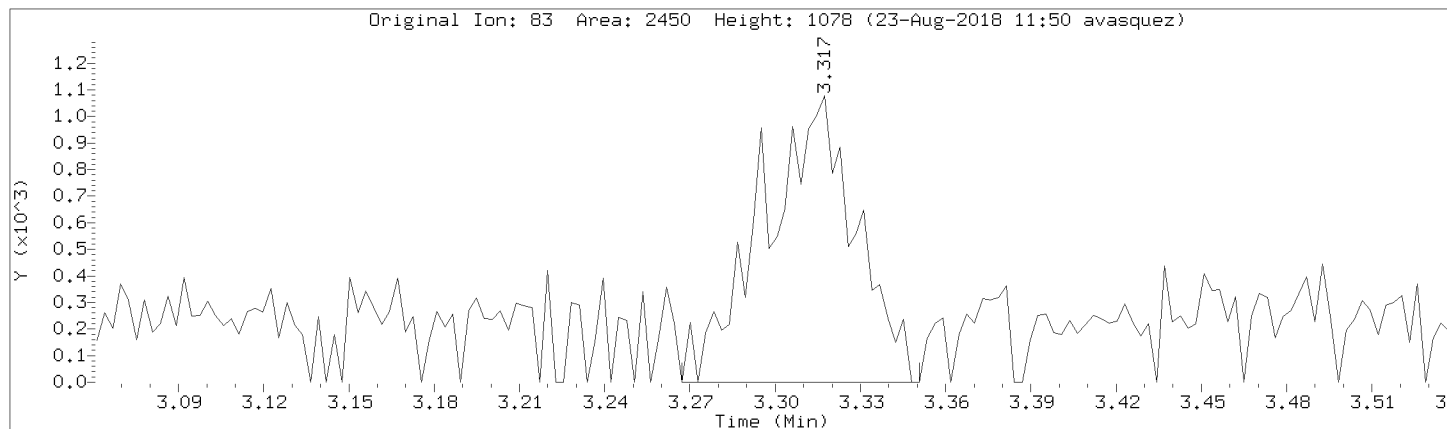
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Chloroform

Review Code: GT

CAS Number: 67-66-3



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\02cal.d

Injection Date: 22-AUG-2018 14:19

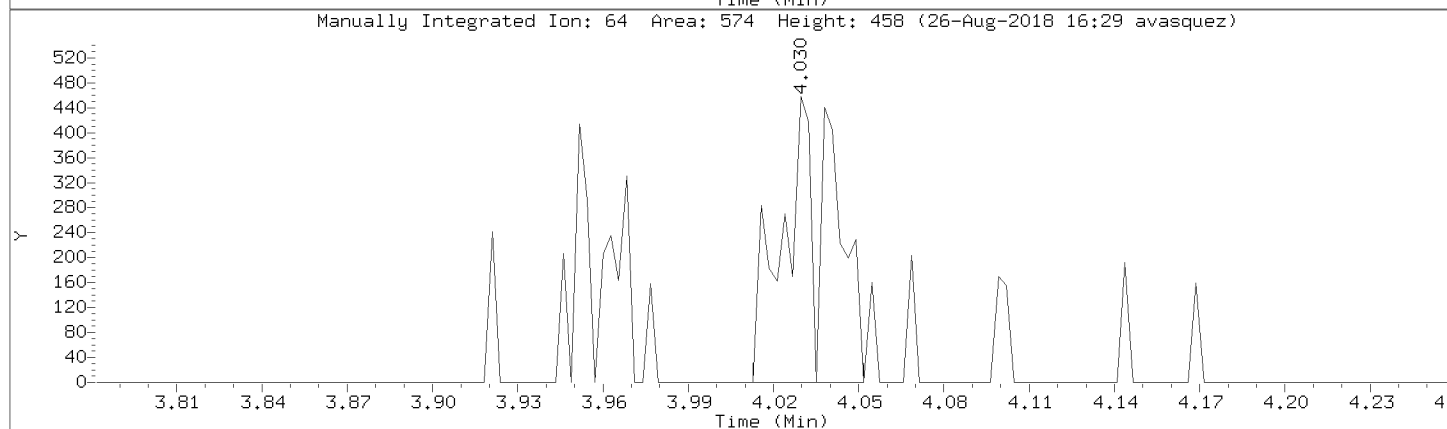
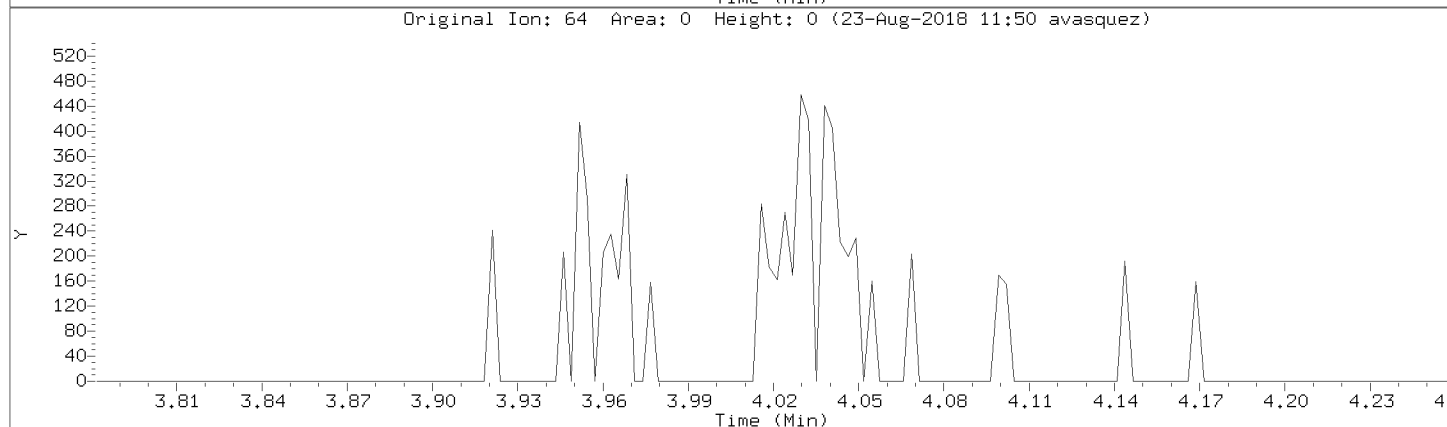
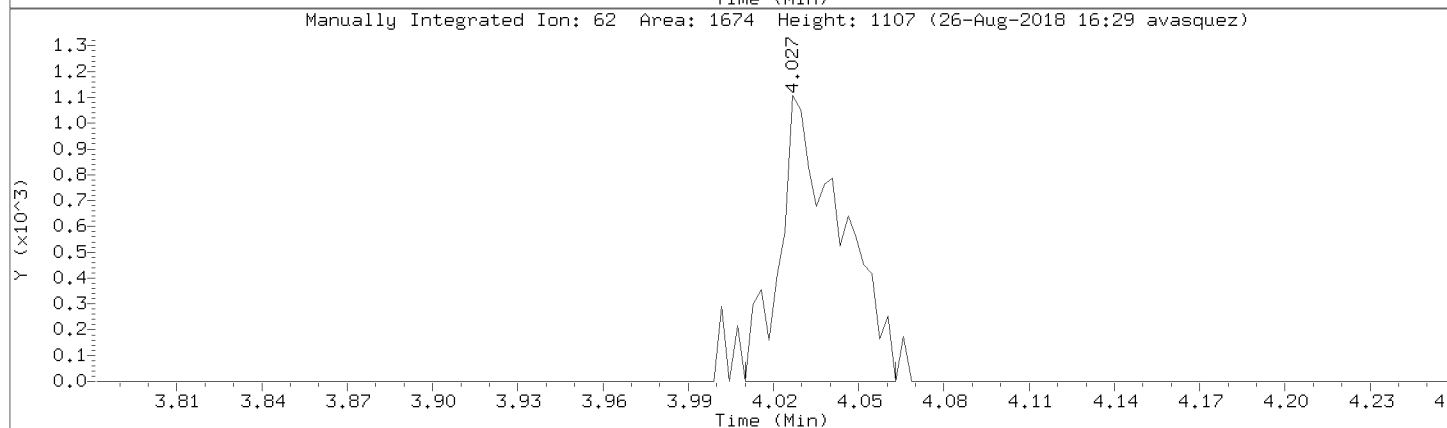
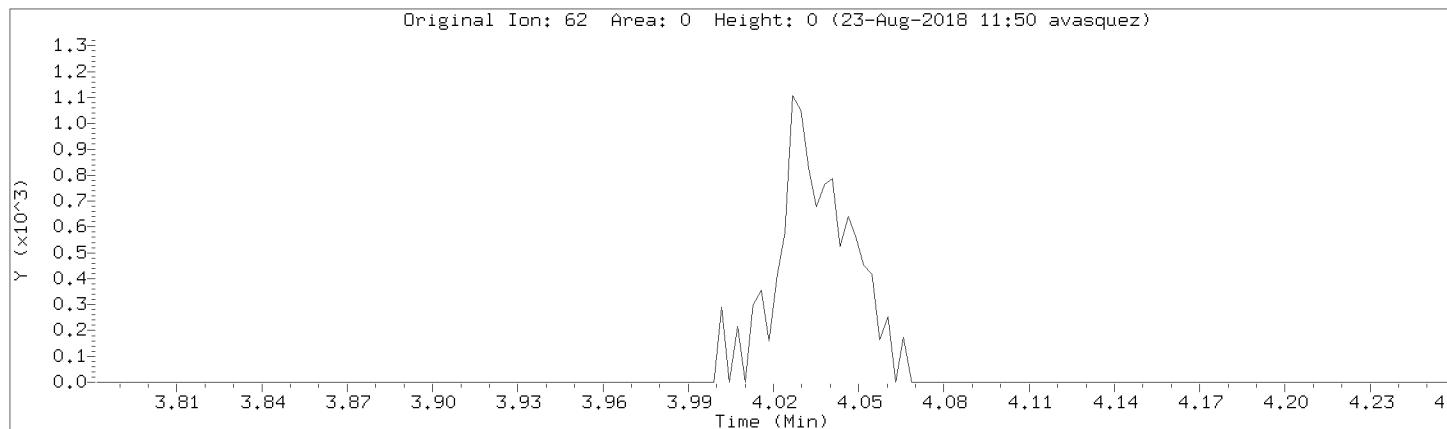
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

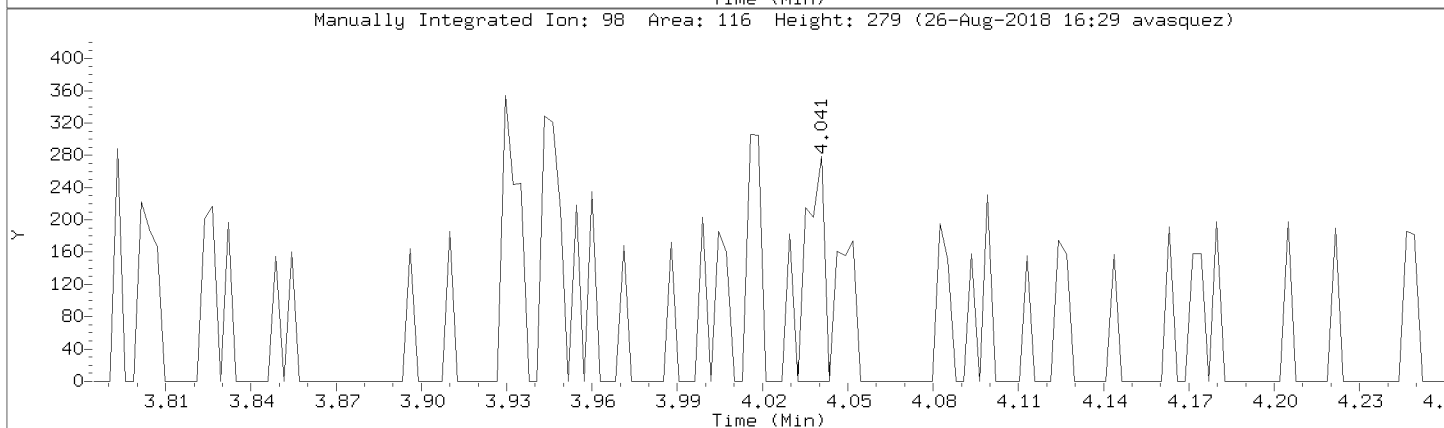
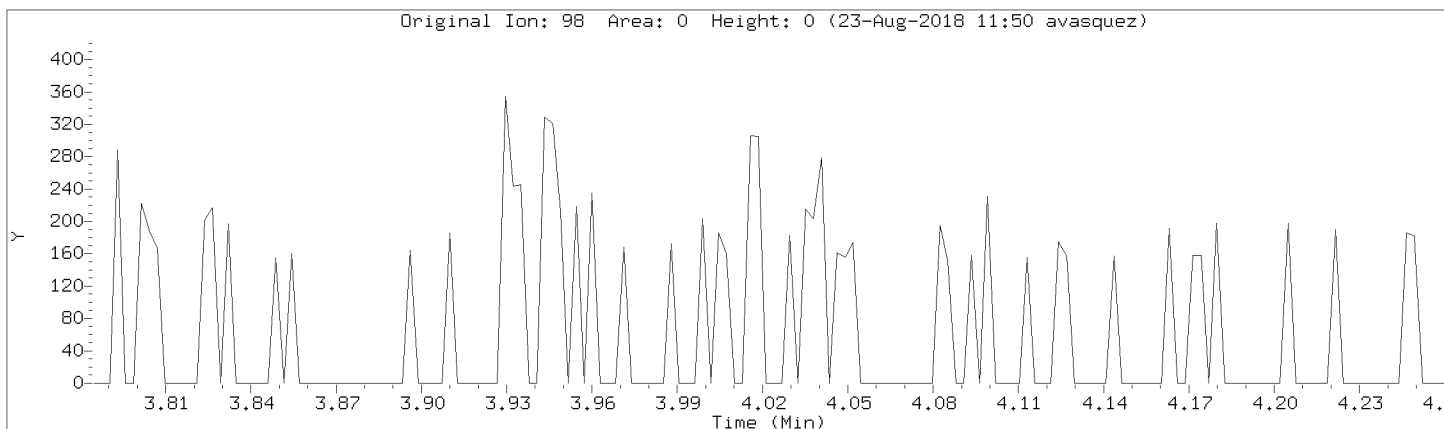
Compound: 1,2-Dichloroethane

Review Code: NI

CAS Number: 107-06-2



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b/a02cal.d

Injection Date: 22-AUG-2018 14:19

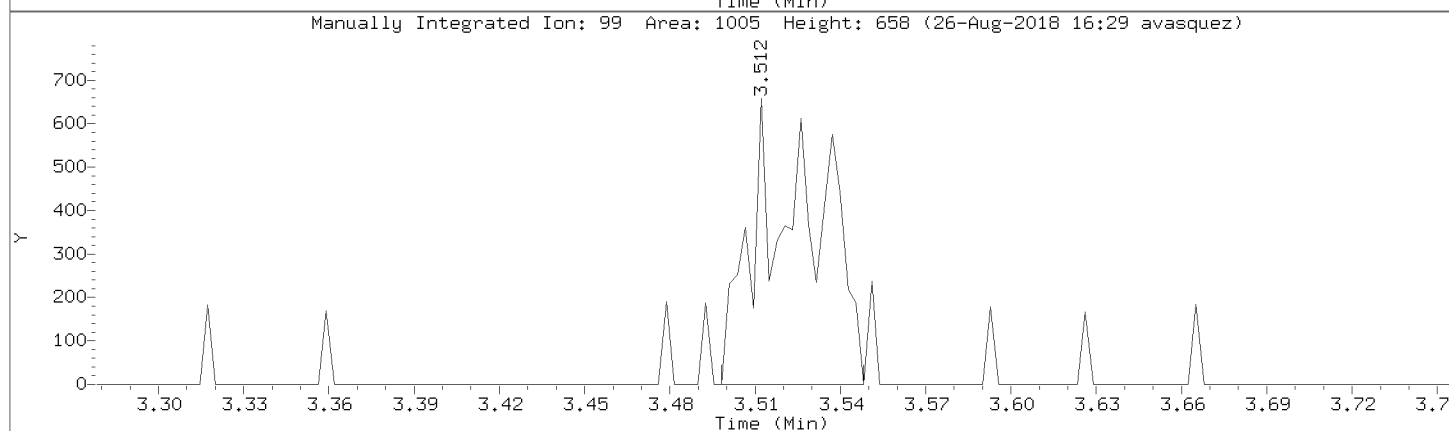
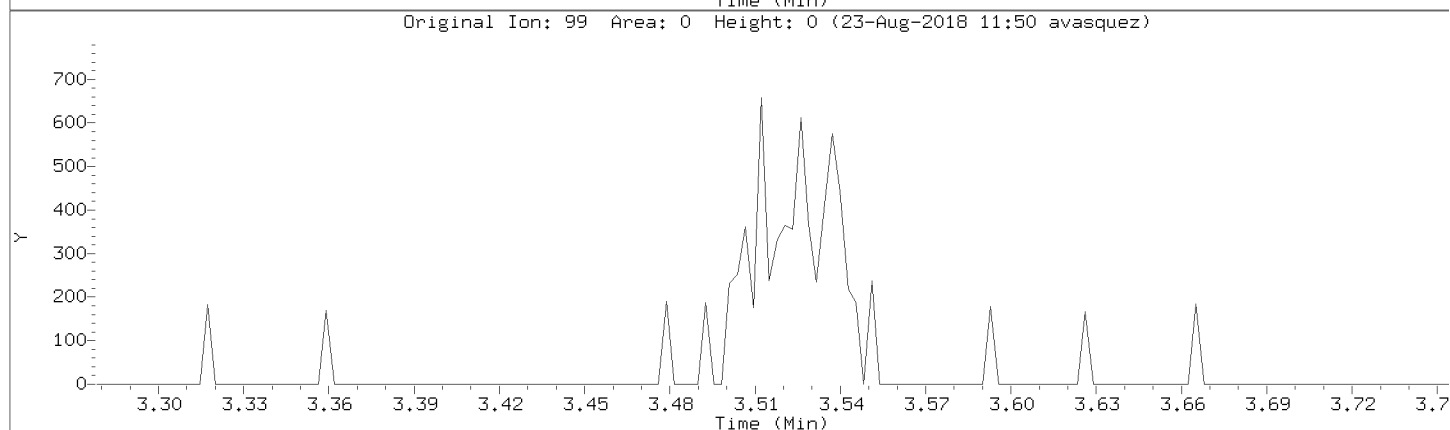
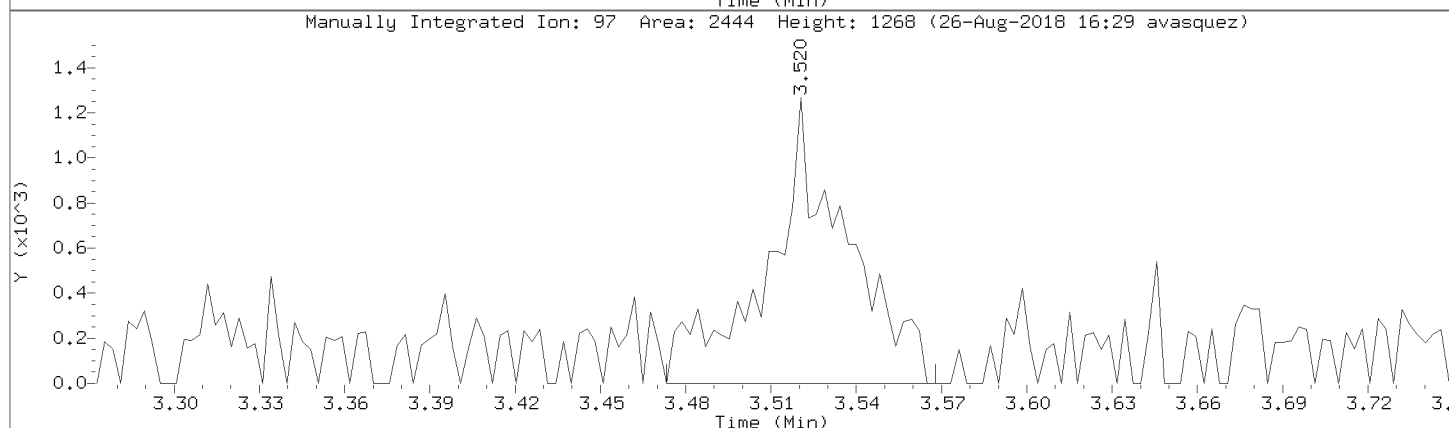
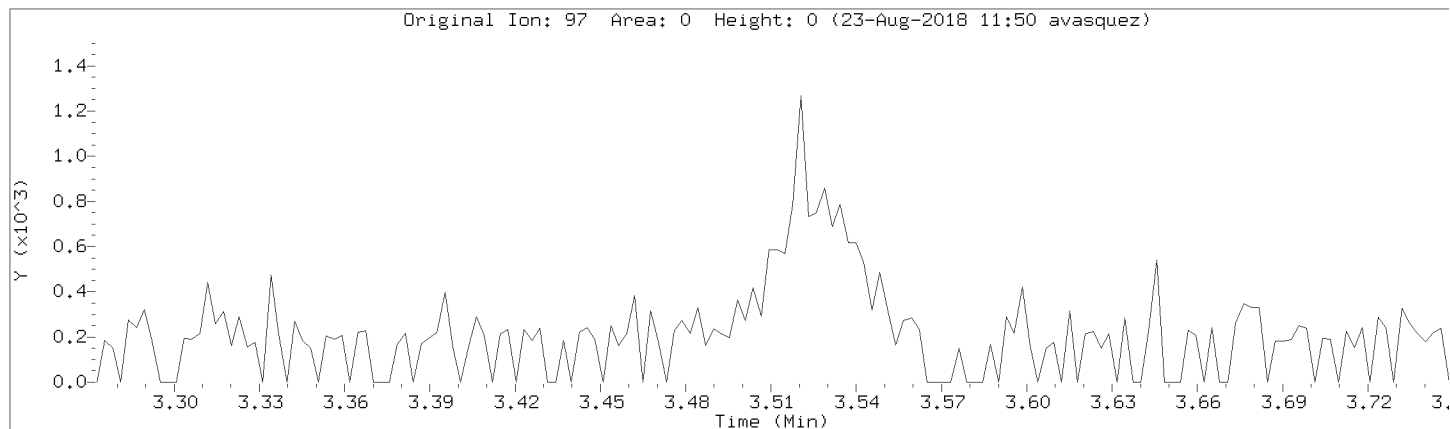
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

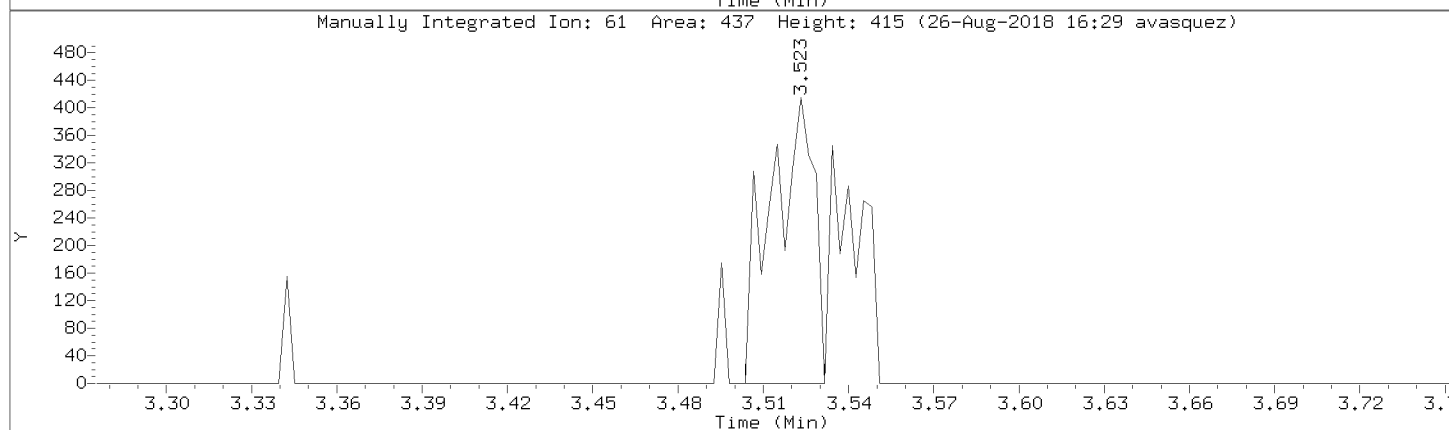
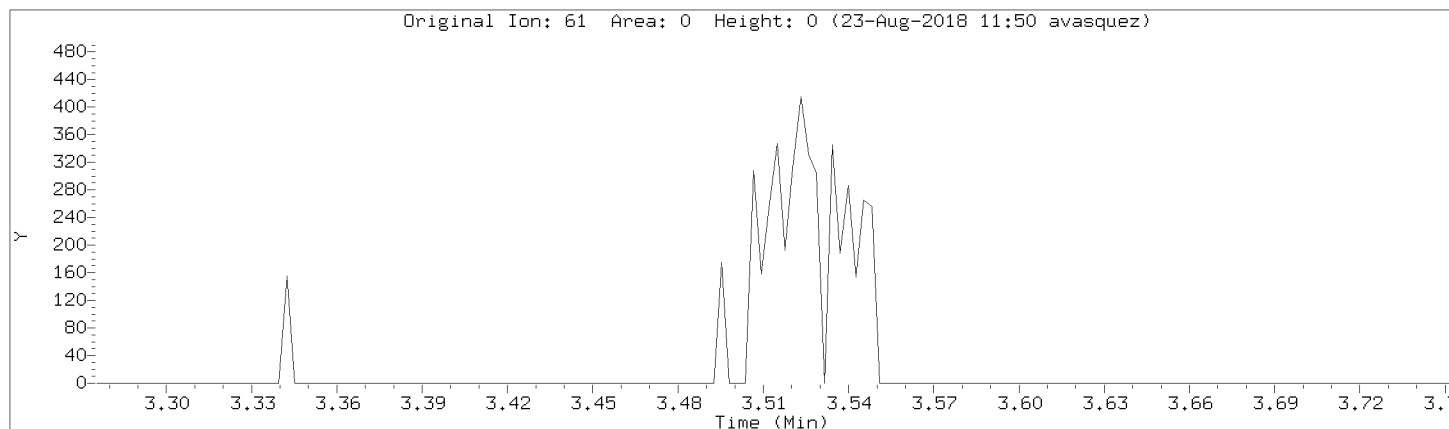
Compound: 1,1,1-Trichloroethane

Review Code: NI

CAS Number: 71-55-6



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d

Injection Date: 22-AUG-2018 14:19

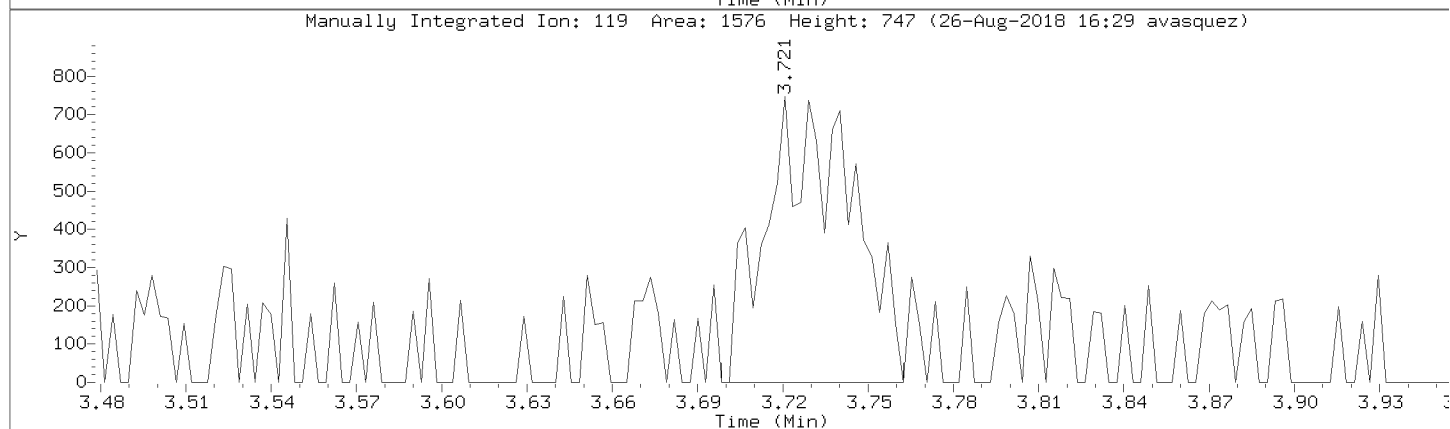
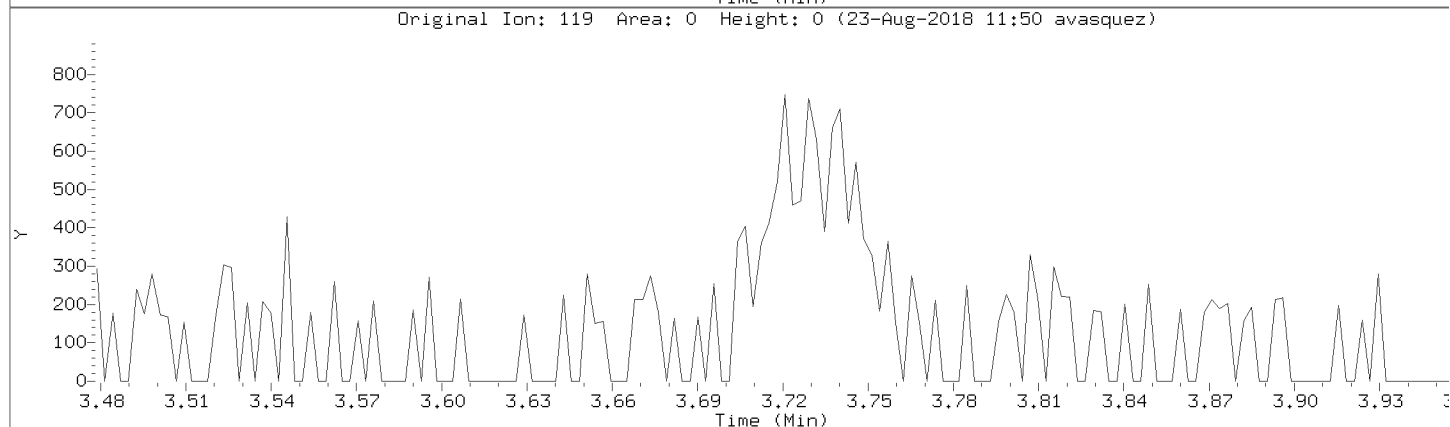
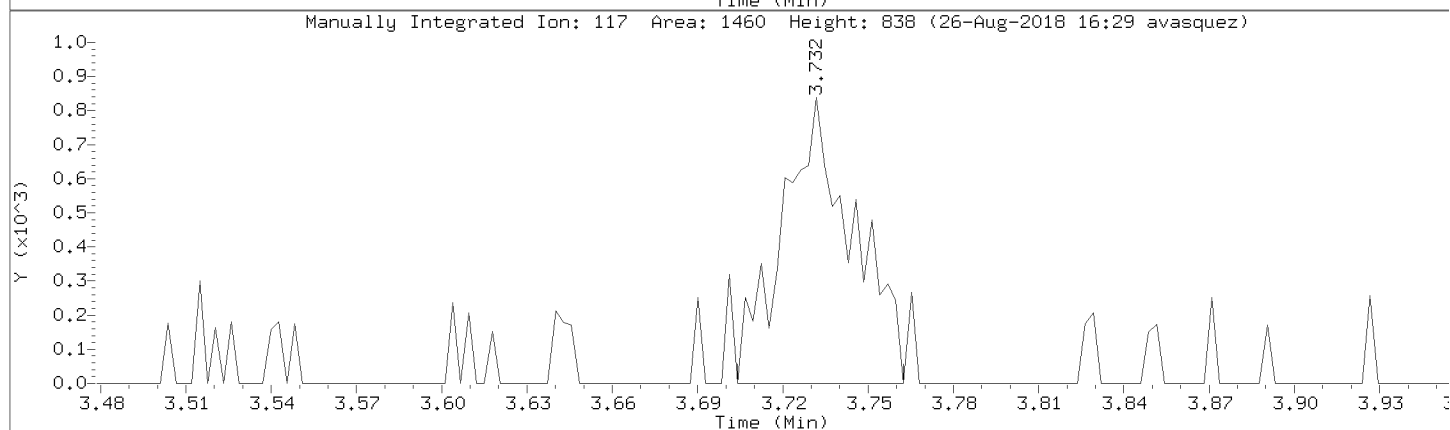
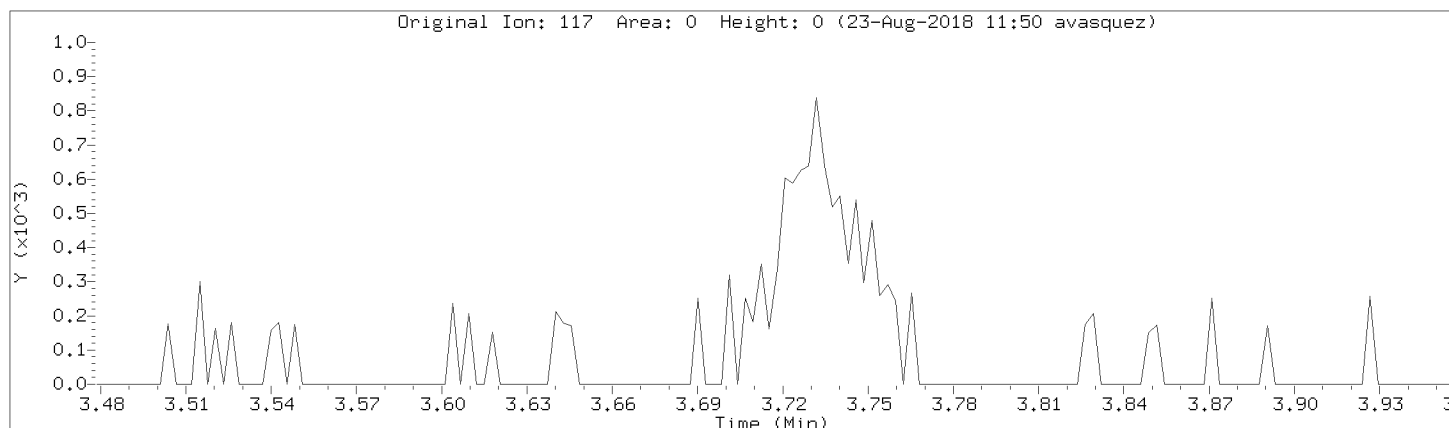
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

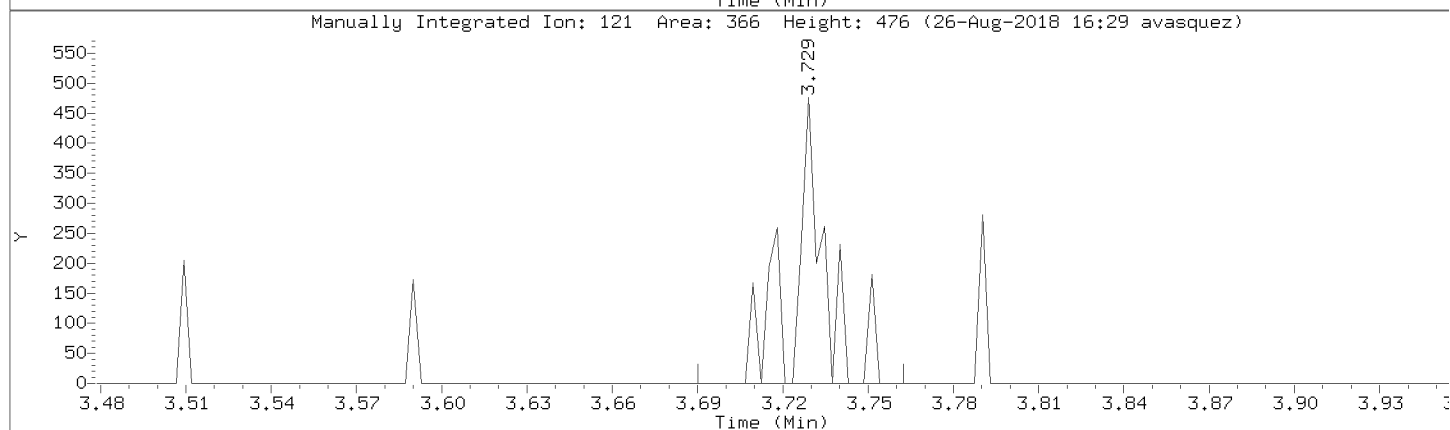
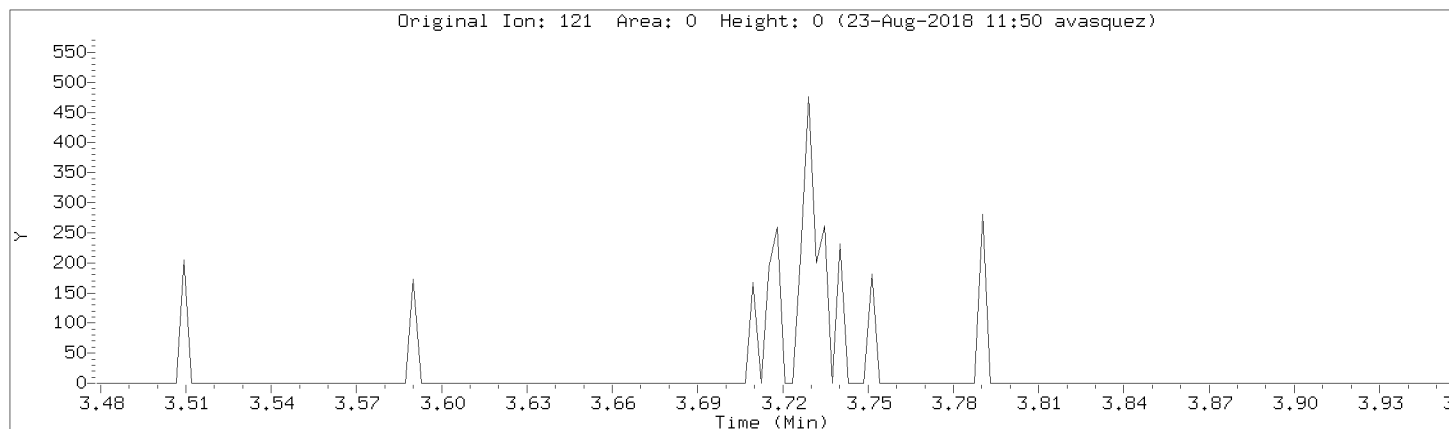
Compound: Carbon Tetrachloride

Review Code: NI

CAS Number: 56-23-5

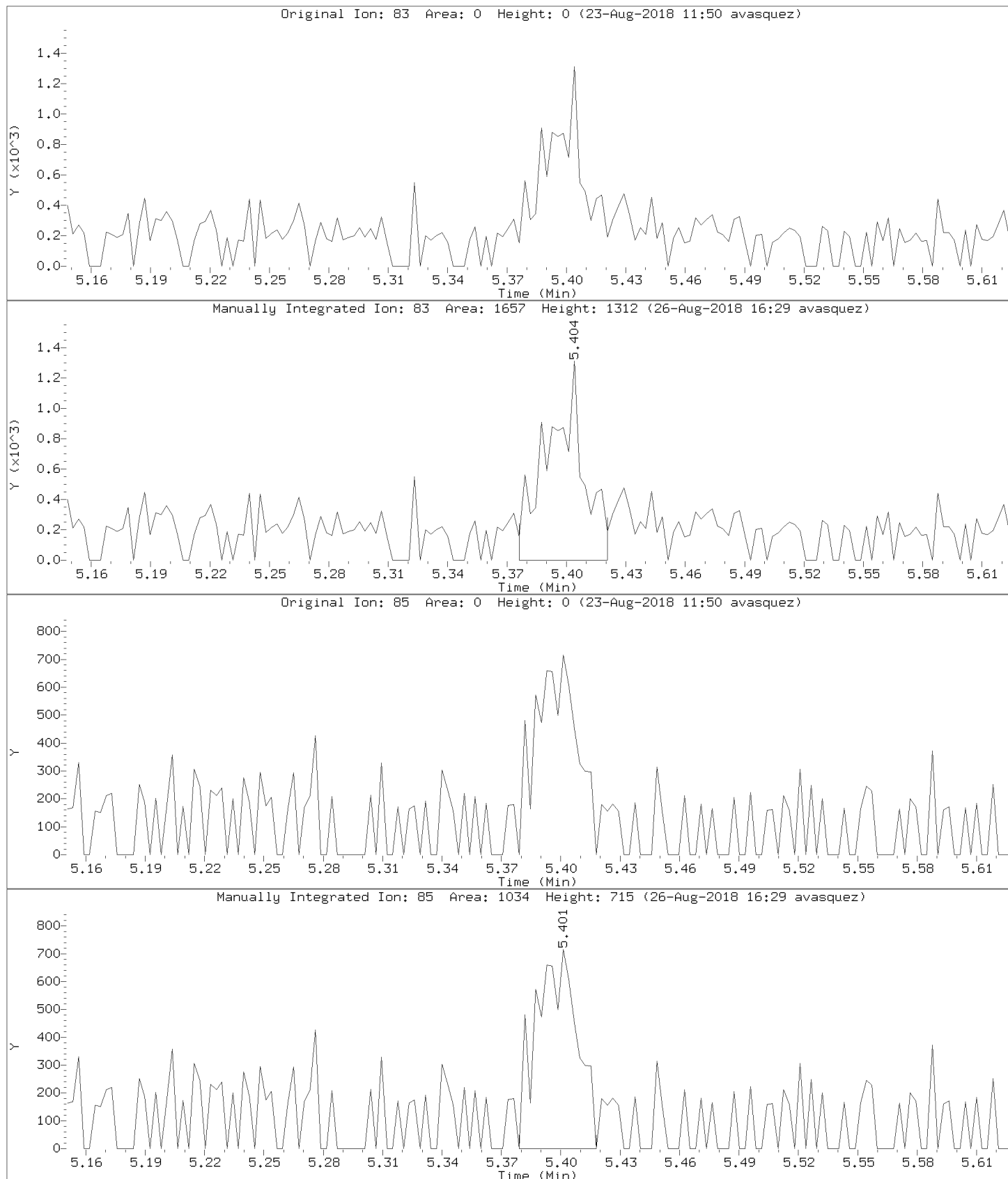


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

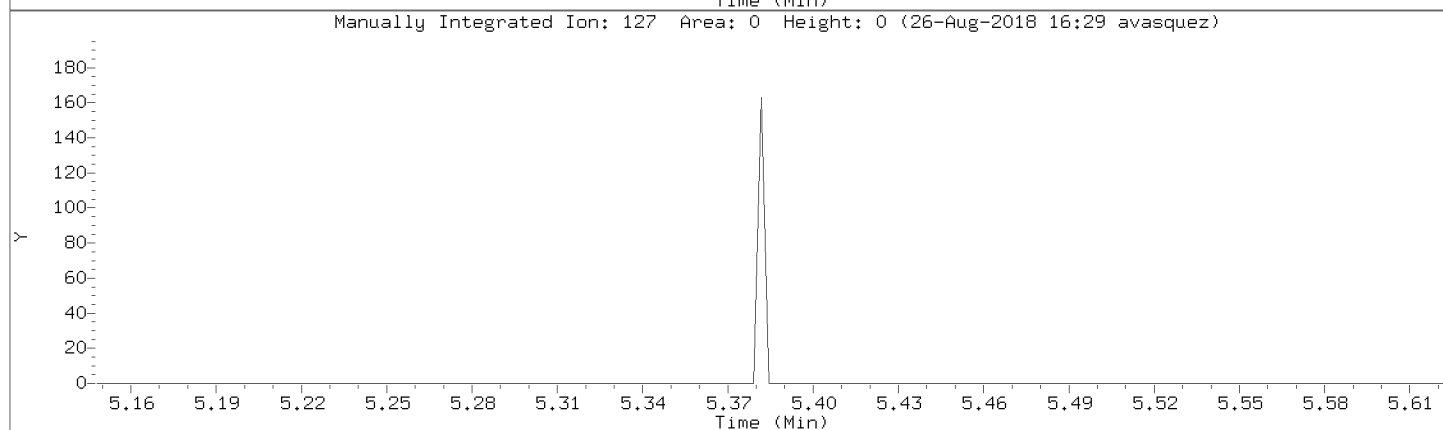
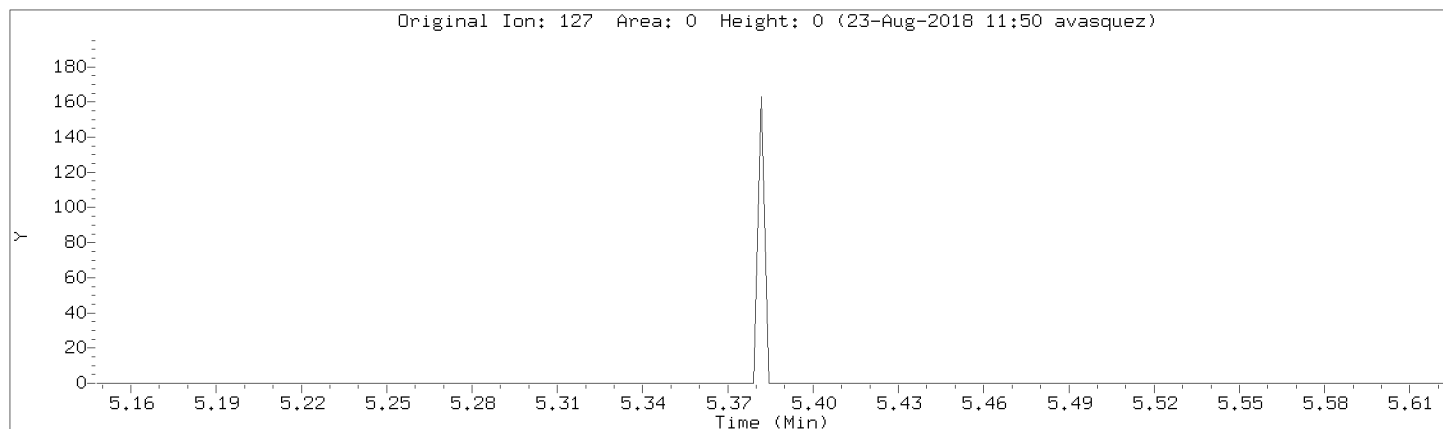


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: Bromodichloromethane Review Code: NI
CAS Number: 75-27-4

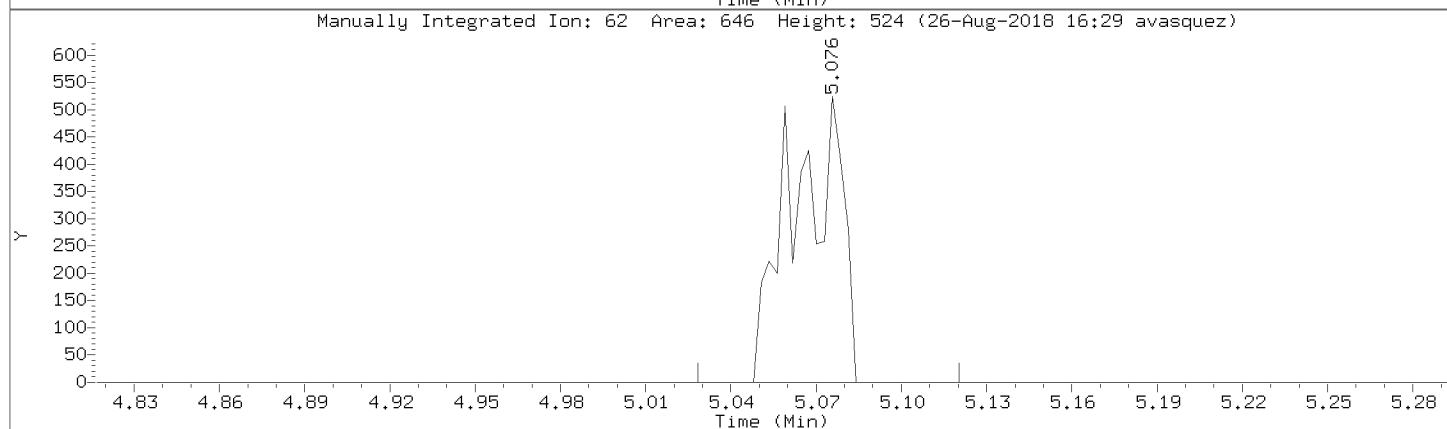
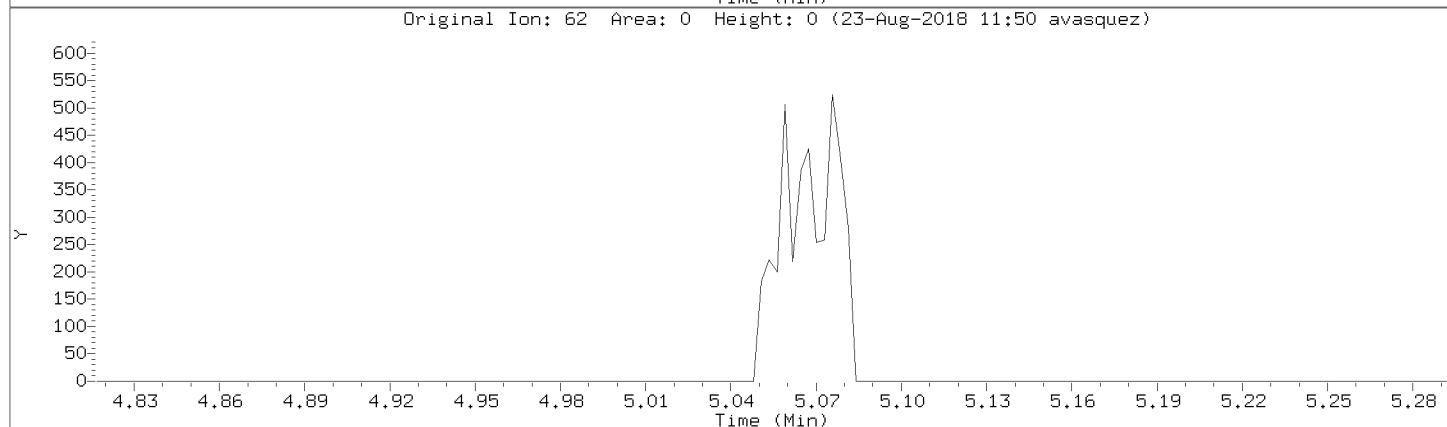
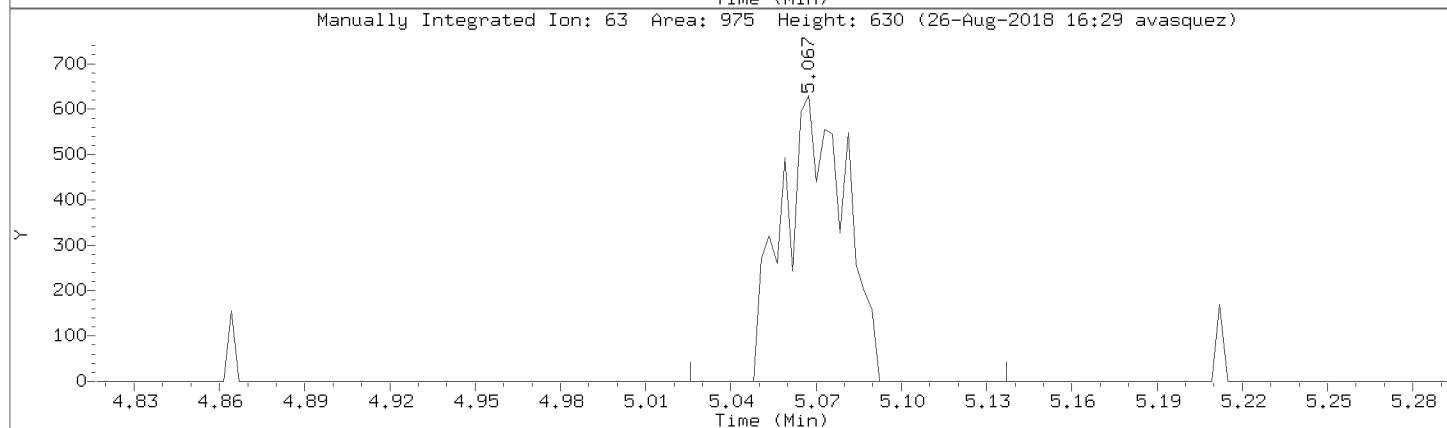
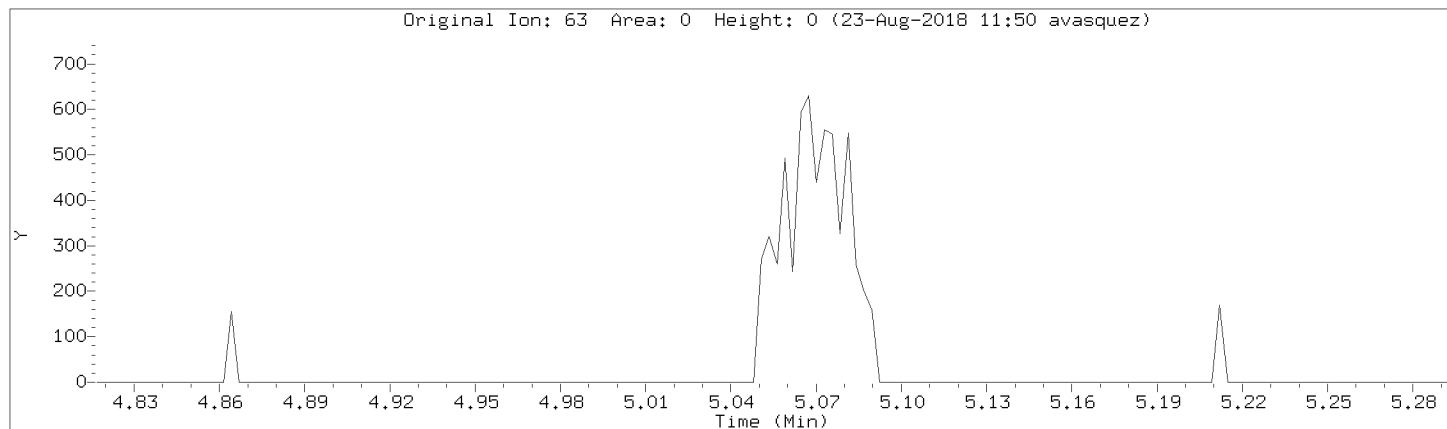


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: 1,2-Dichloropropane Review Code: NI
CAS Number: 78-87-5

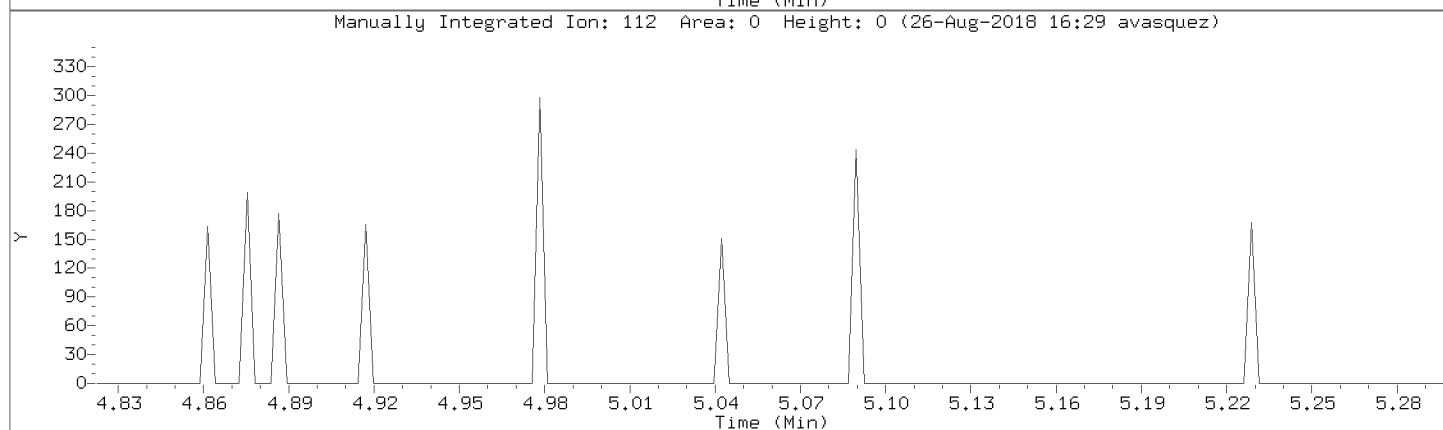
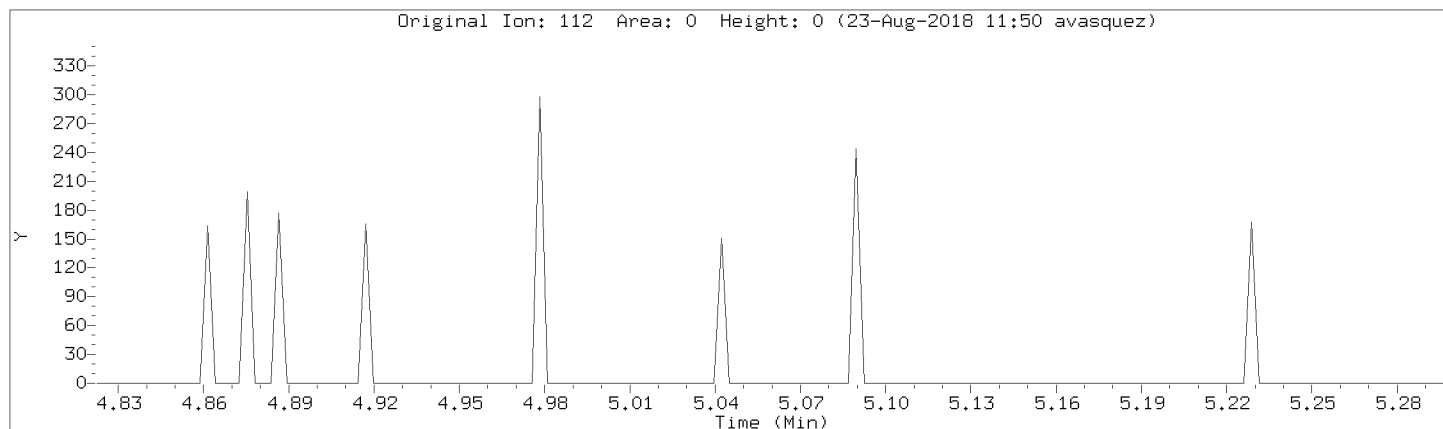


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Injection Date: 22-AUG-2018 14:19

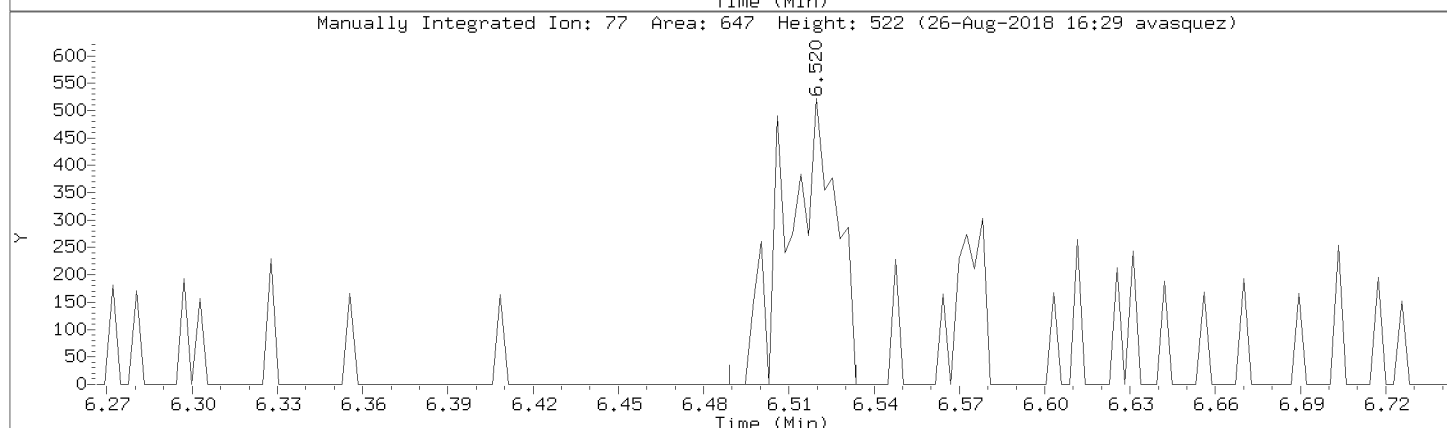
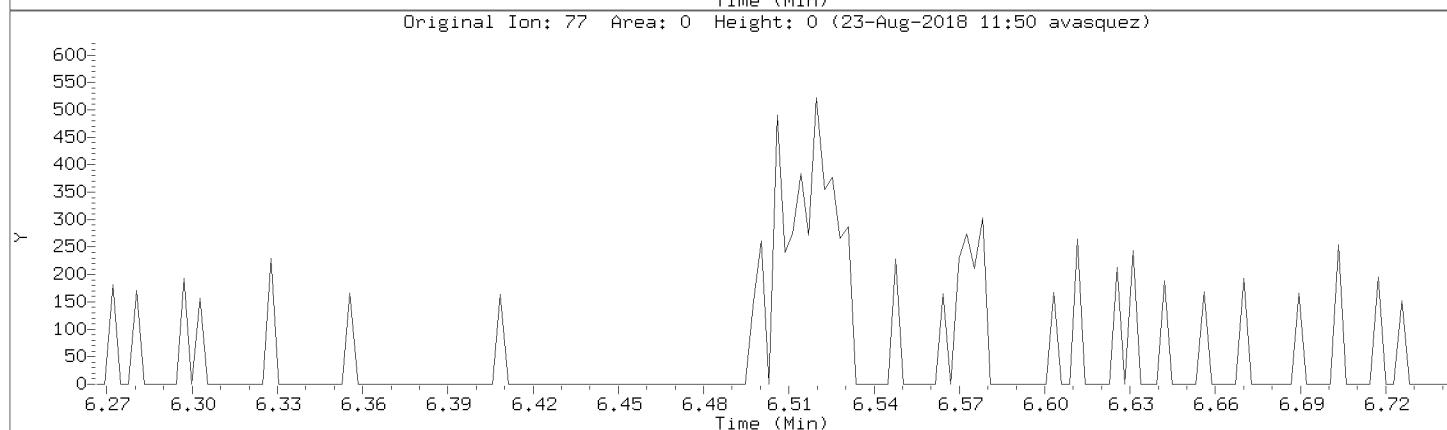
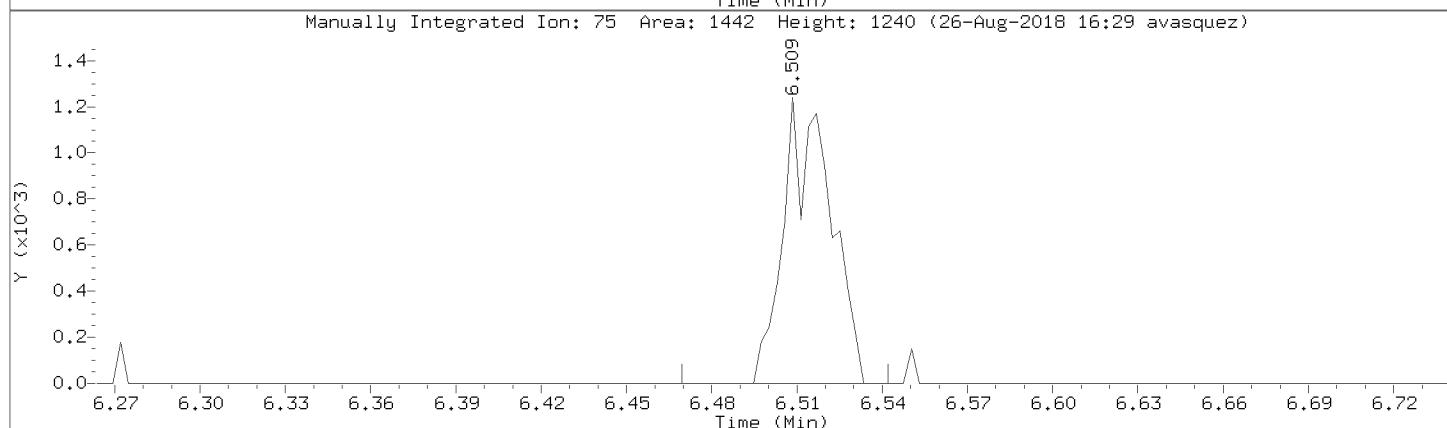
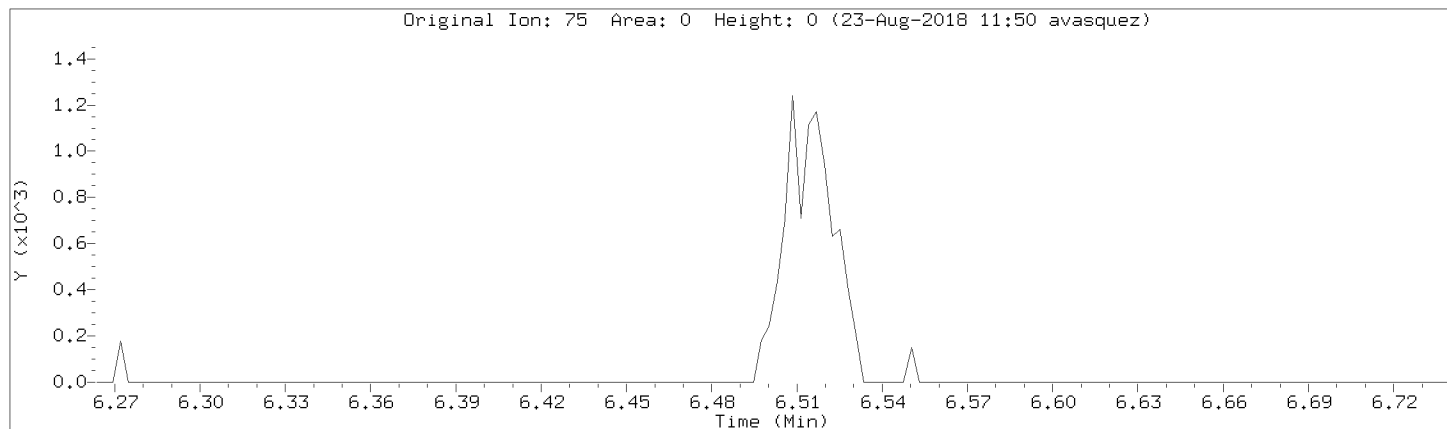
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1



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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: trans-1,3-Dichloropropene Review Code: NI
CAS Number: 10061-02-6



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d

Injection Date: 22-AUG-2018 14:19

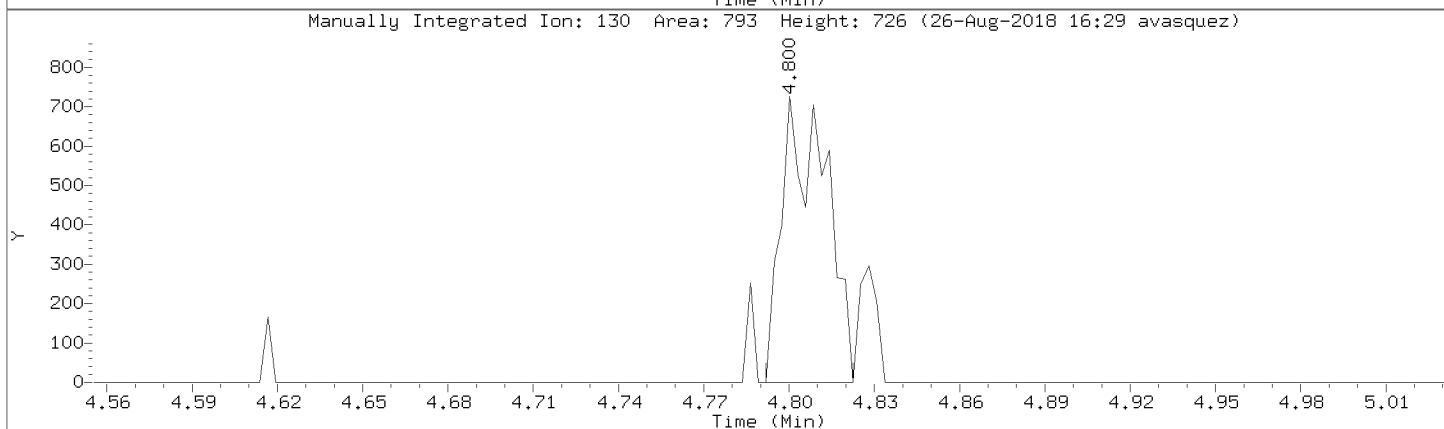
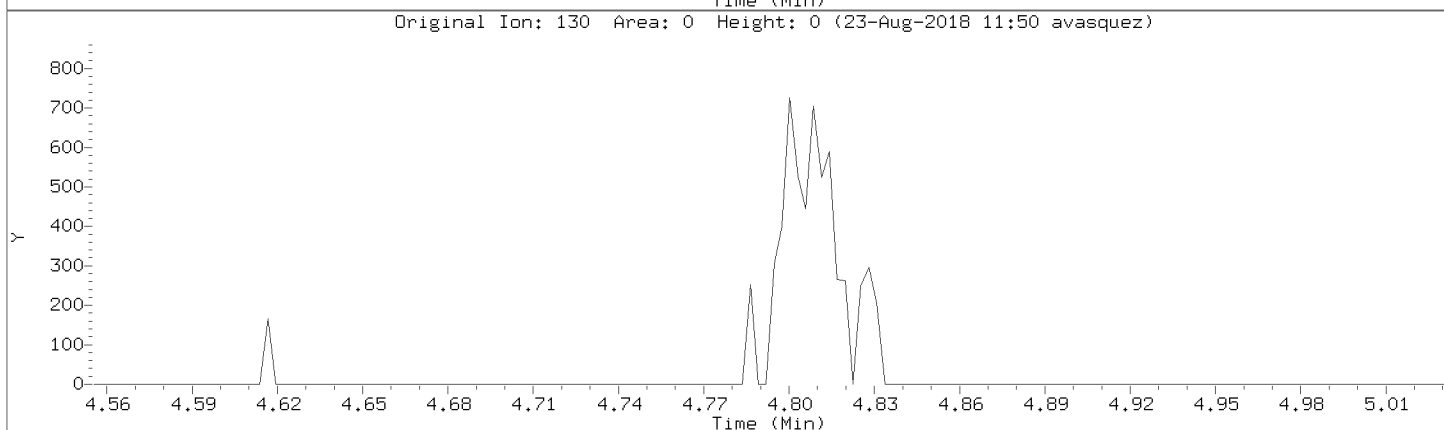
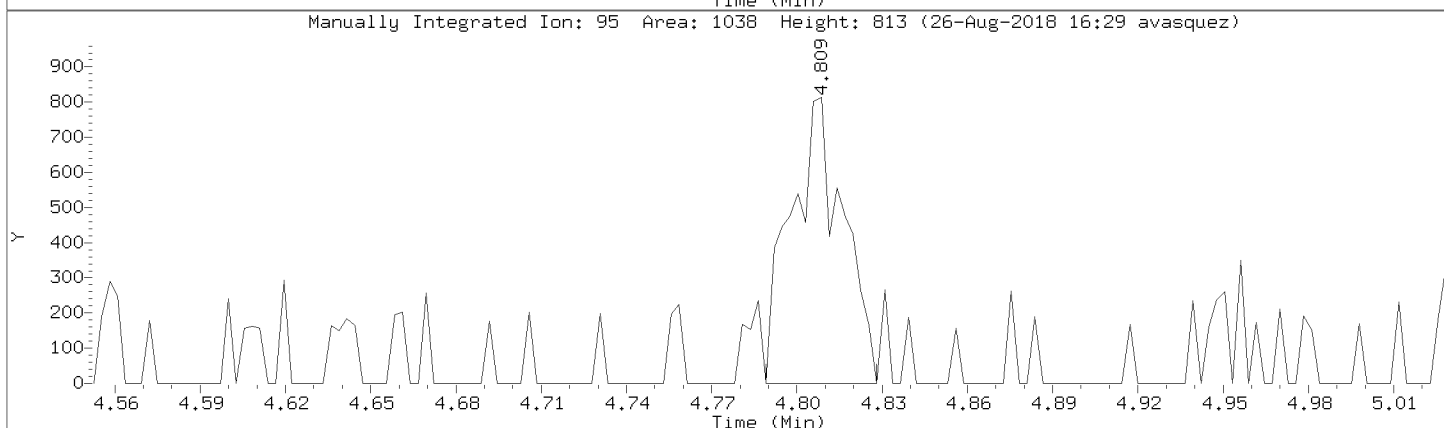
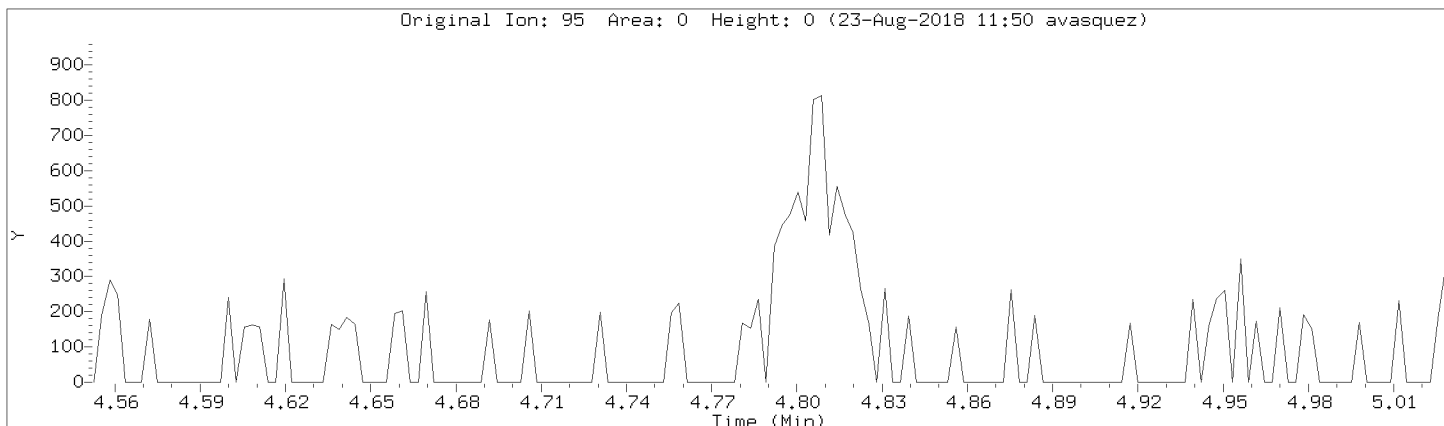
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Lab Sample ID: 8260-CAL1

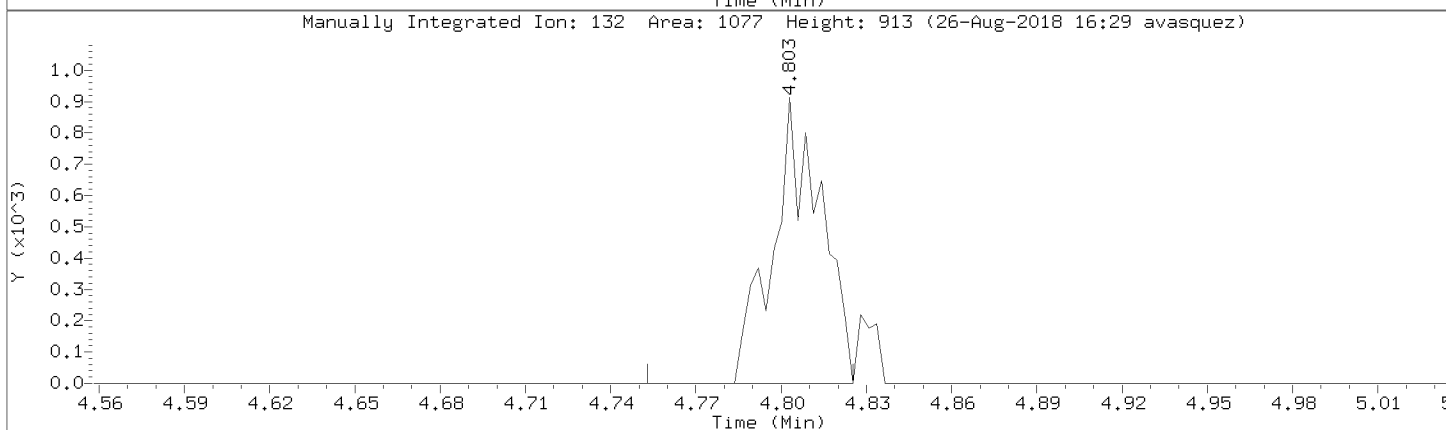
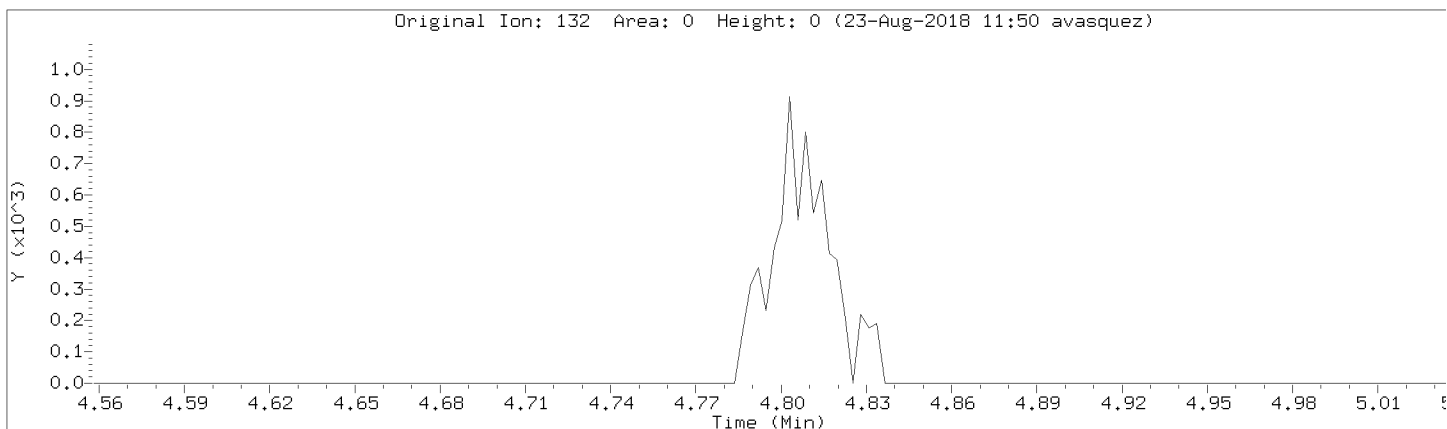
Compound: Trichloroethene

Review Code: NI

CAS Number: 79-01-6

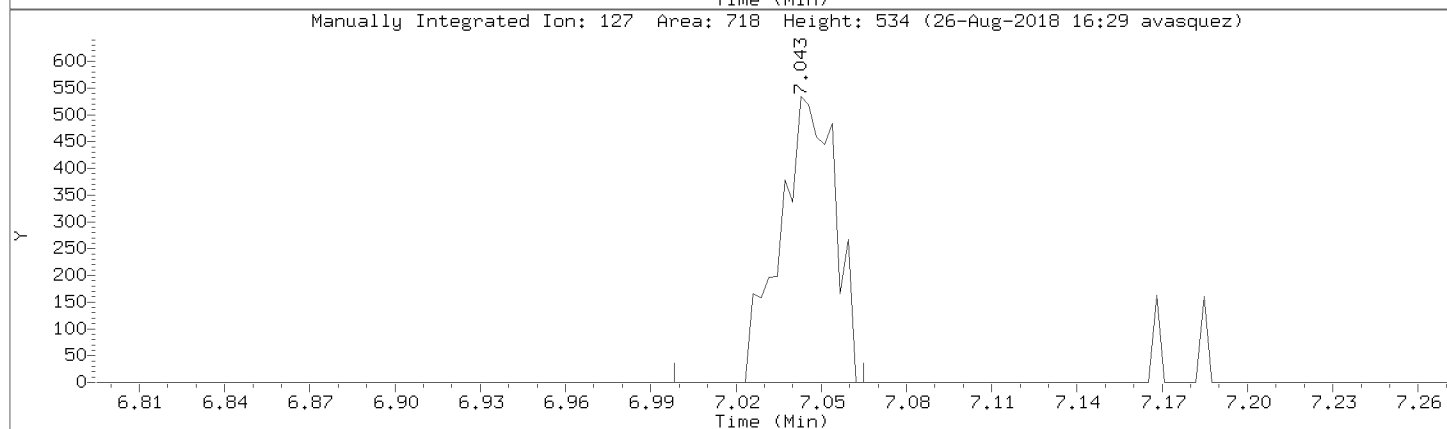
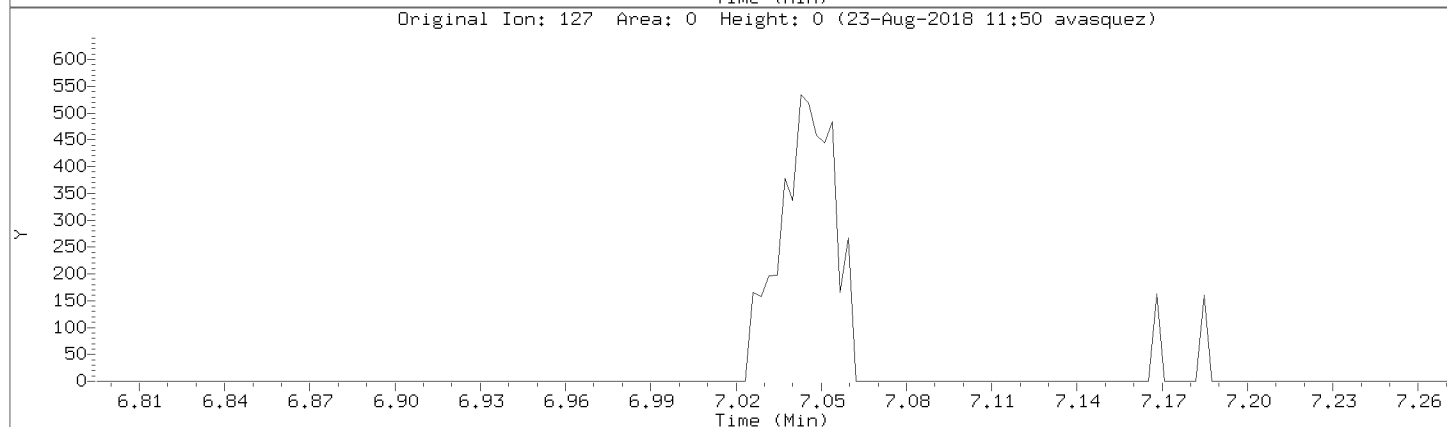
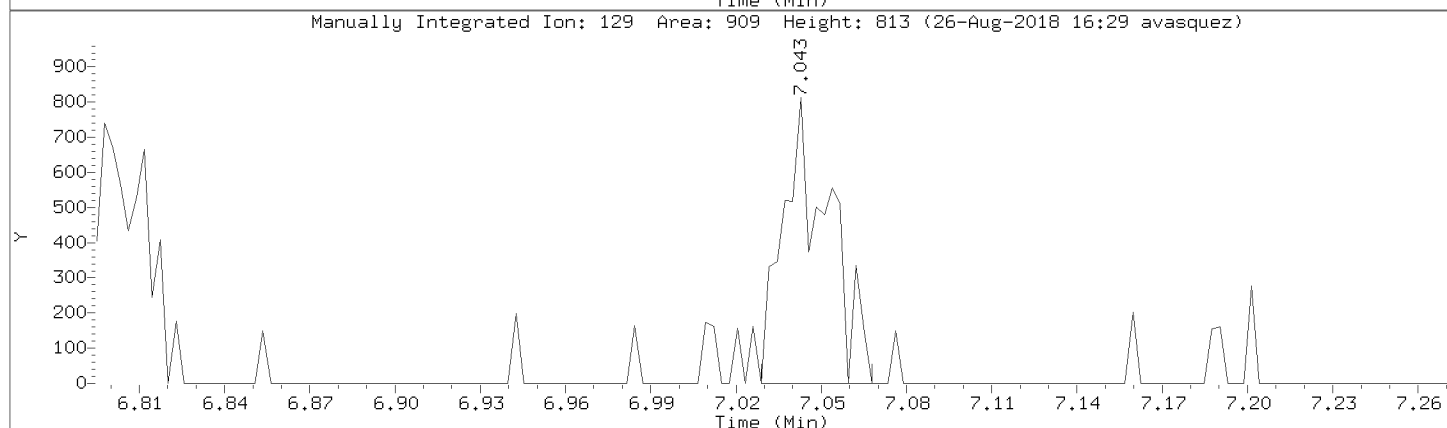
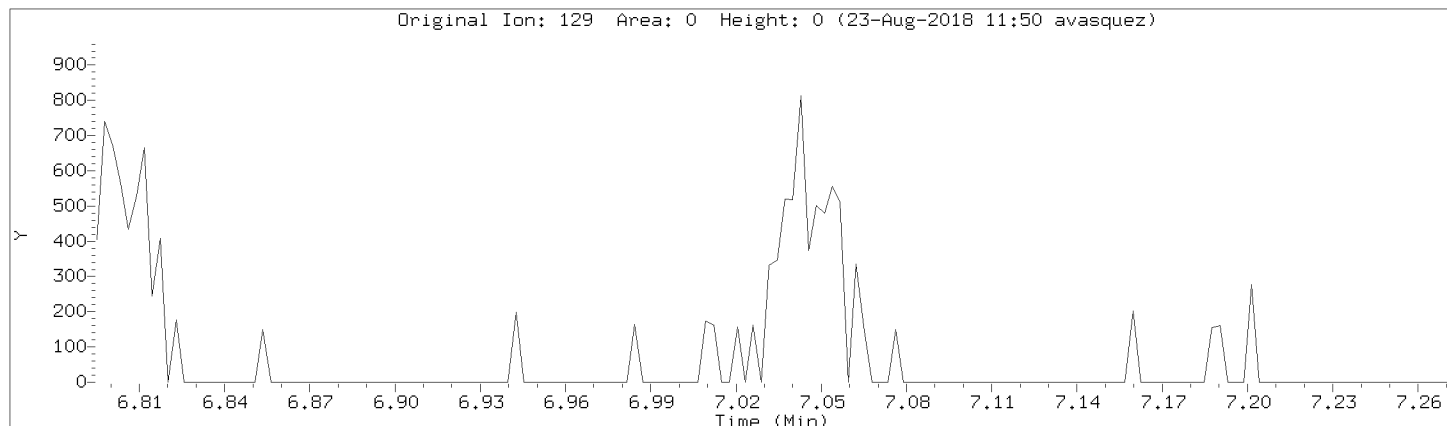


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: Dibromochloromethane Review Code: NI
CAS Number: 124-48-1



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d

Injection Date: 22-AUG-2018 14:19

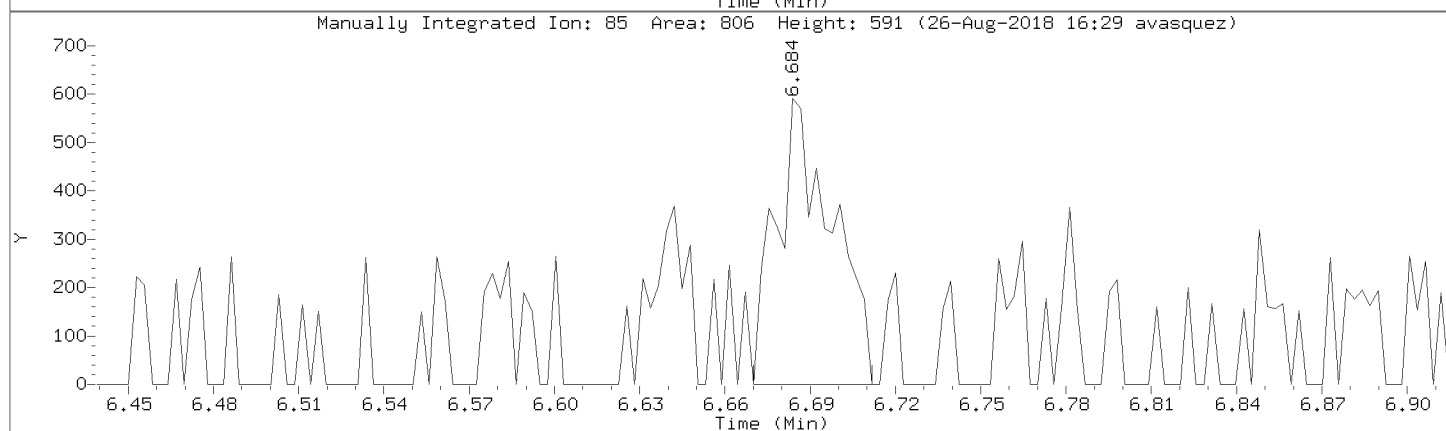
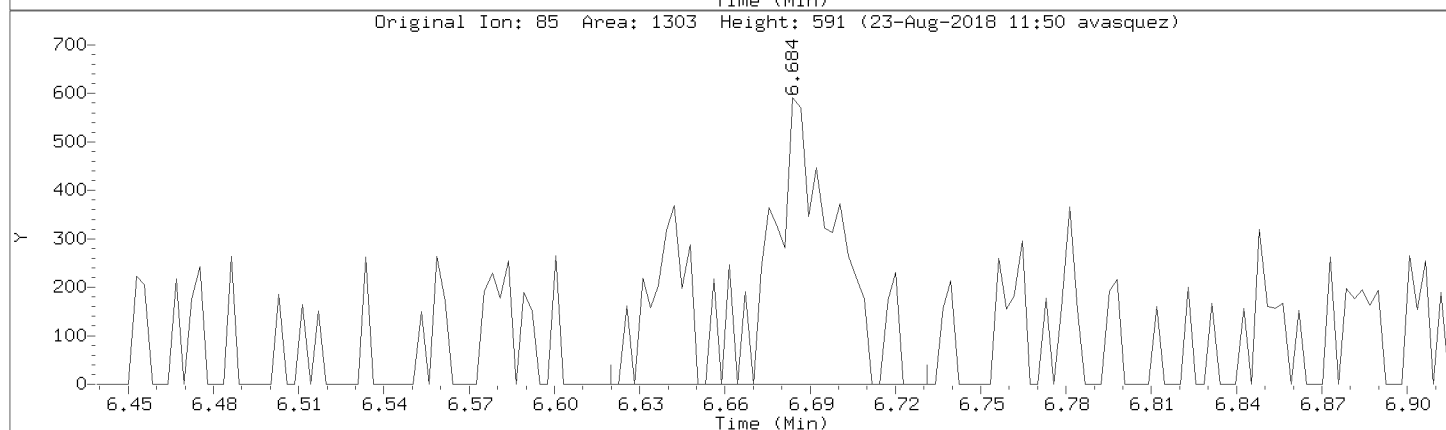
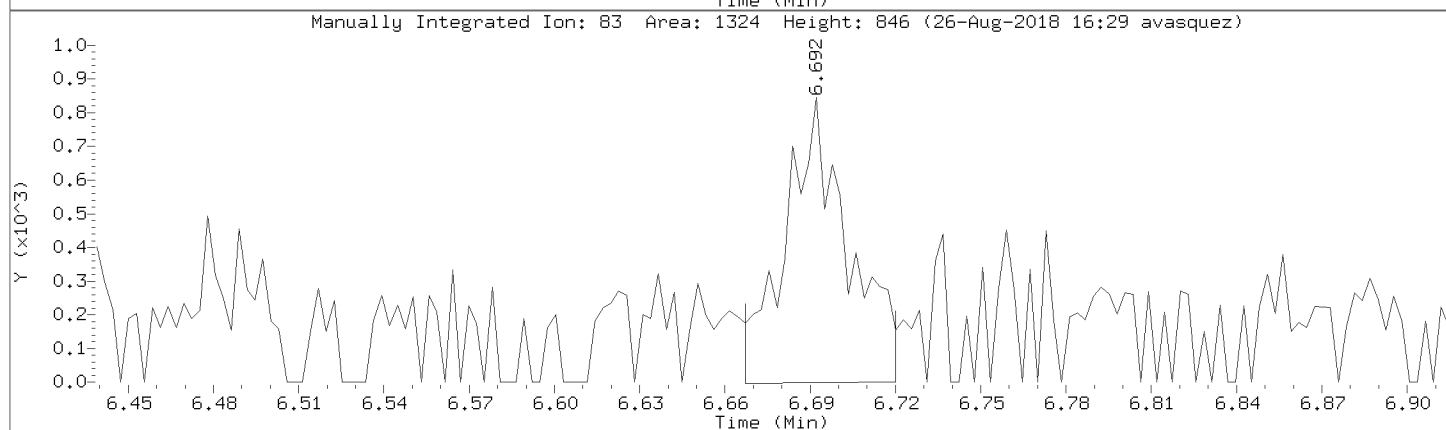
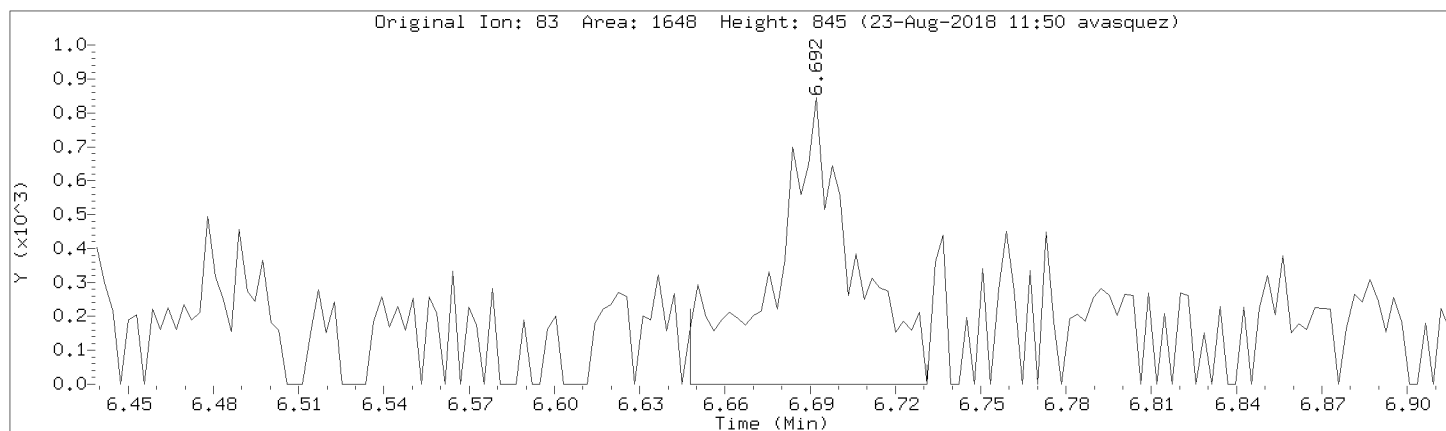
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

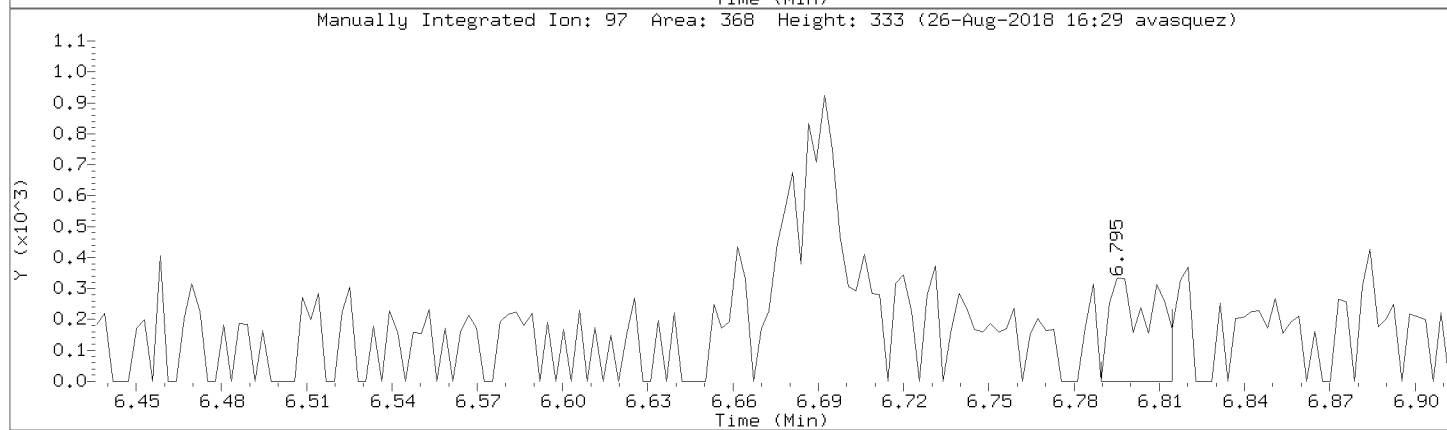
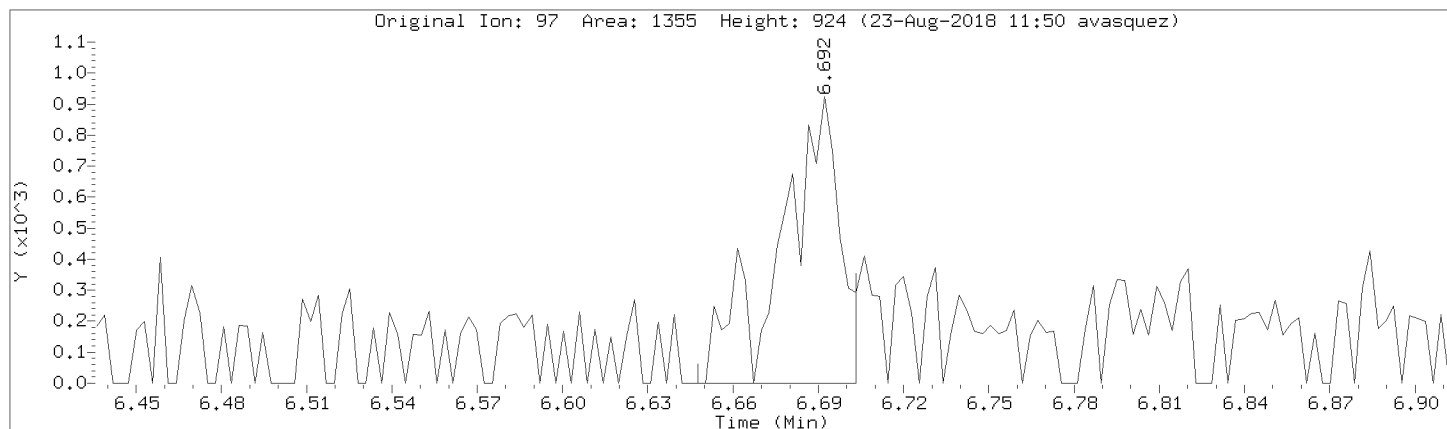
Compound: 1,1,2-Trichloroethane

Review Code: NI

CAS Number: 79-00-5



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



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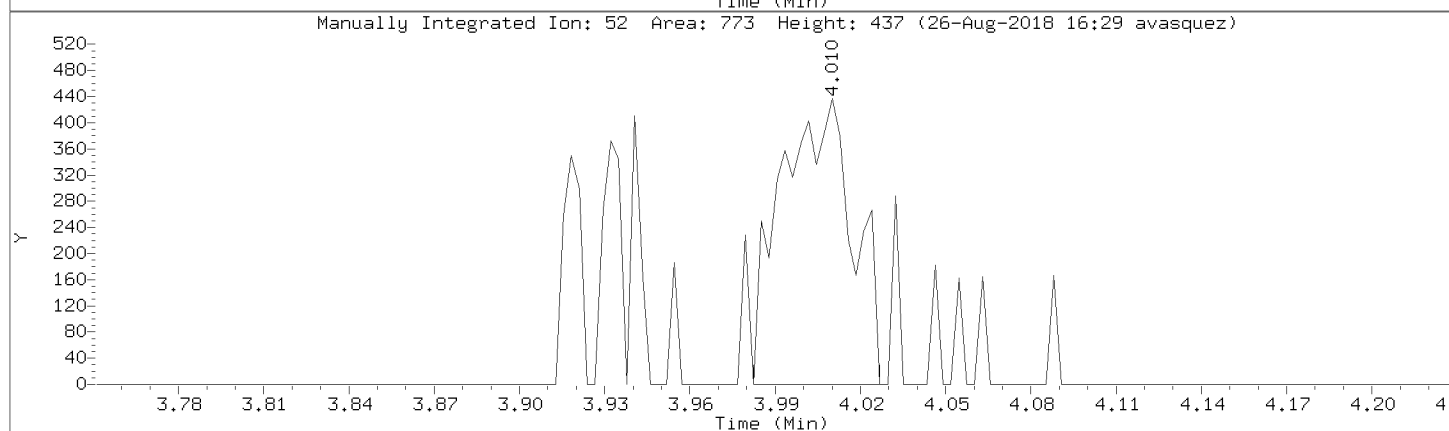
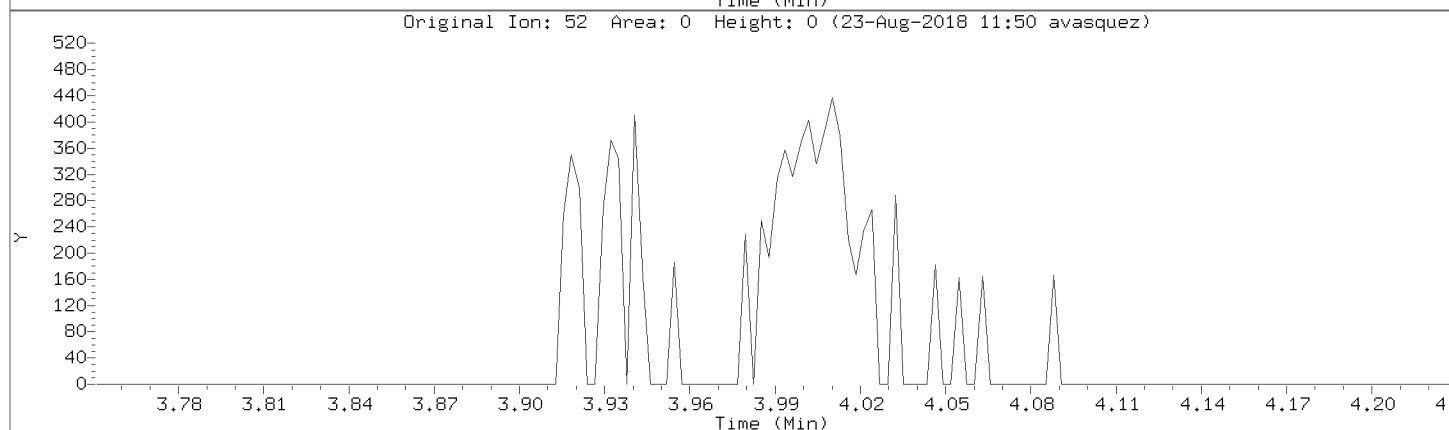
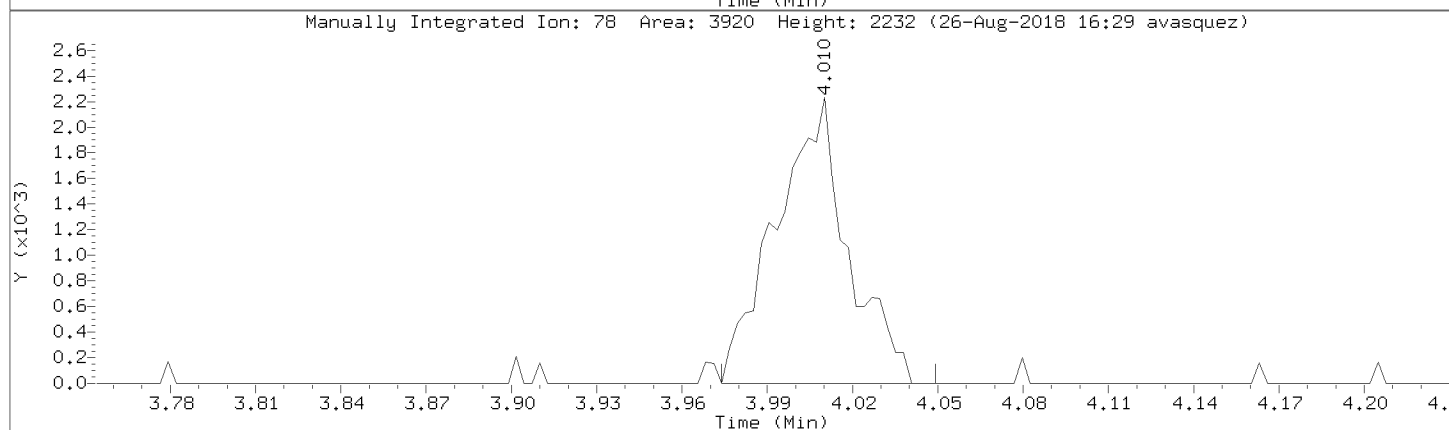
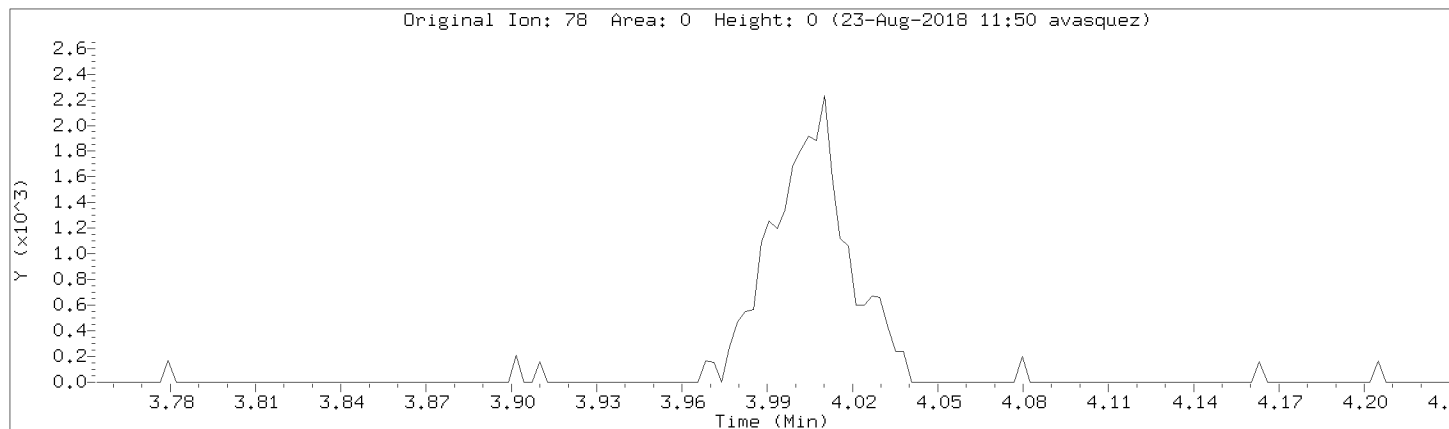
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Instrument: 50mv2a.i

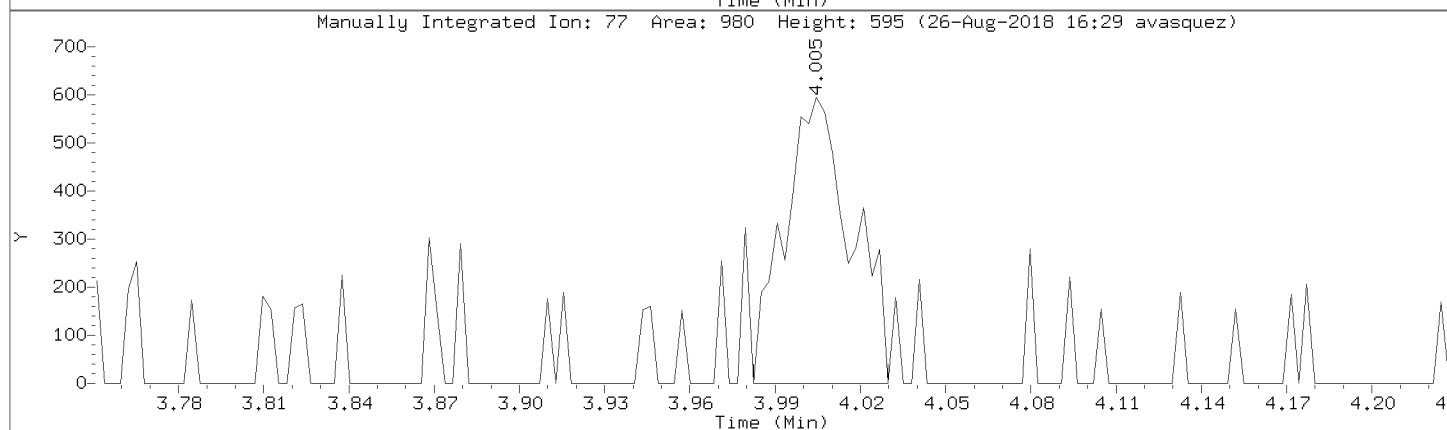
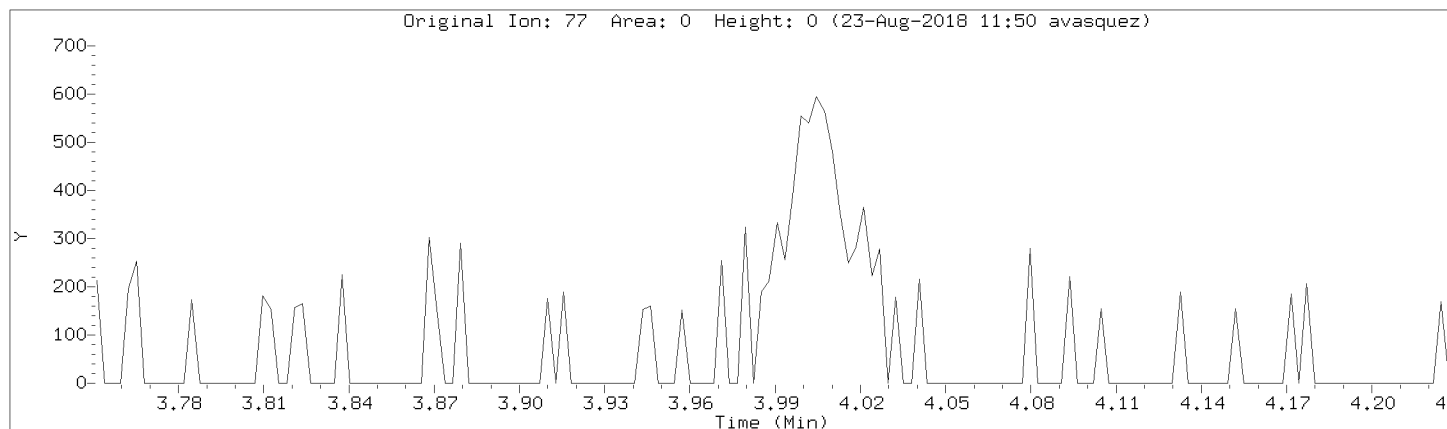
Lab Sample ID: 8260-CAL1

Compound: Benzene Review Code: NI

CAS Number: 71-43-2



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



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Injection Date: 22-AUG-2018 14:19

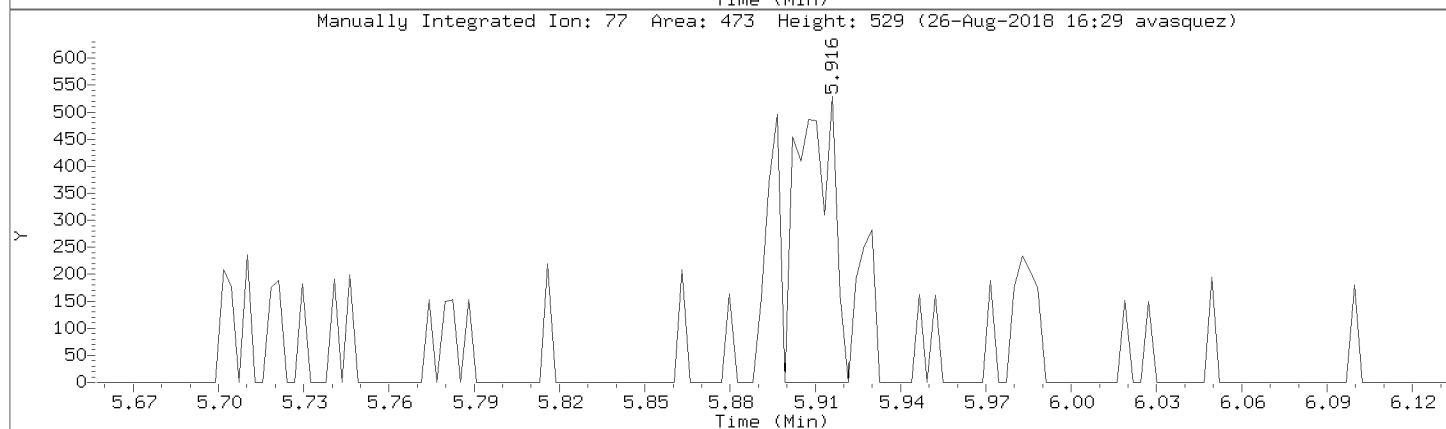
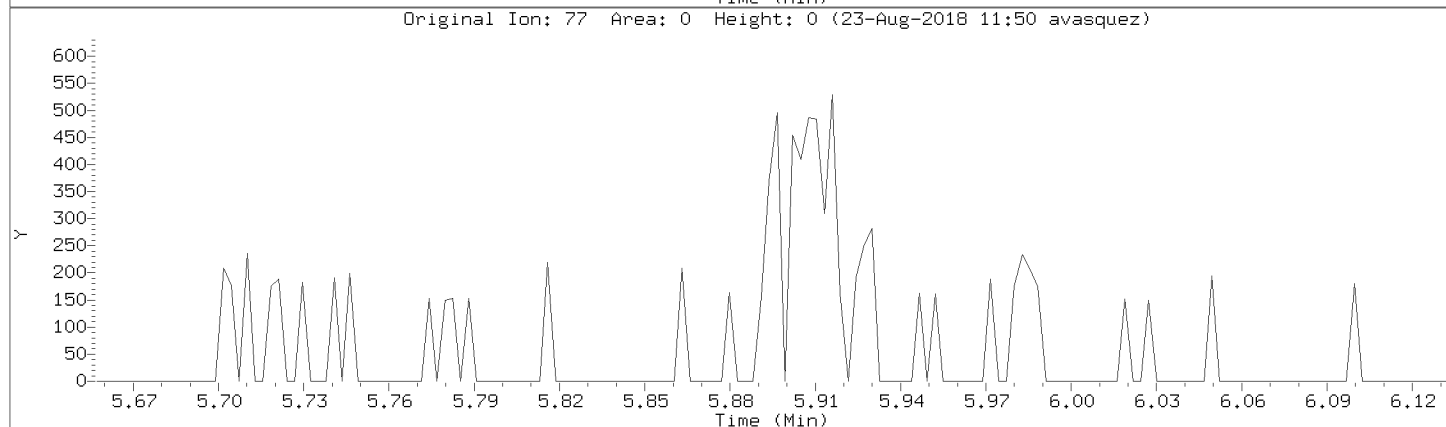
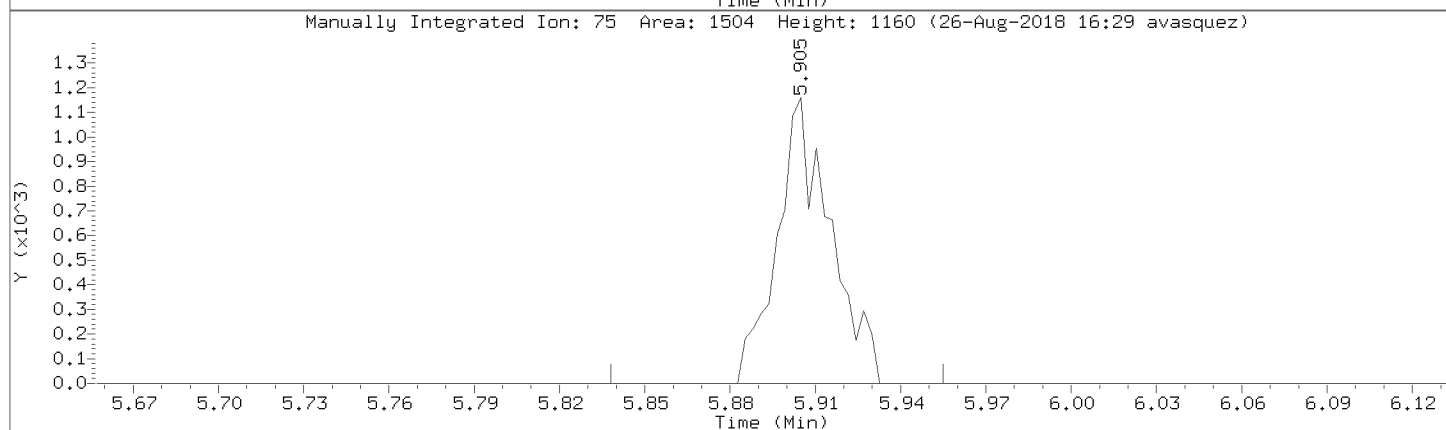
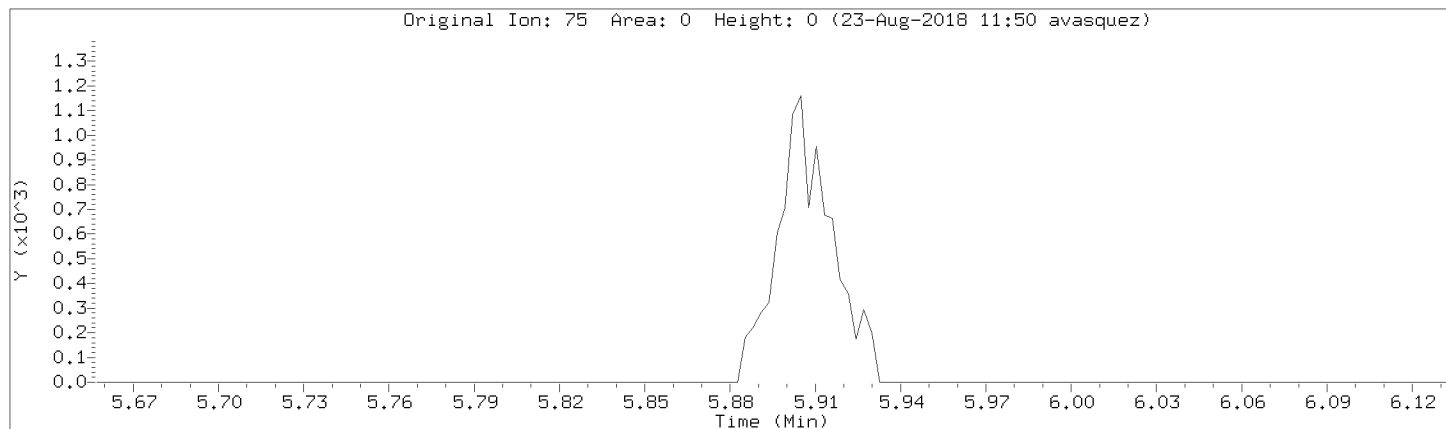
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: cis-1,3-Dichloropropene

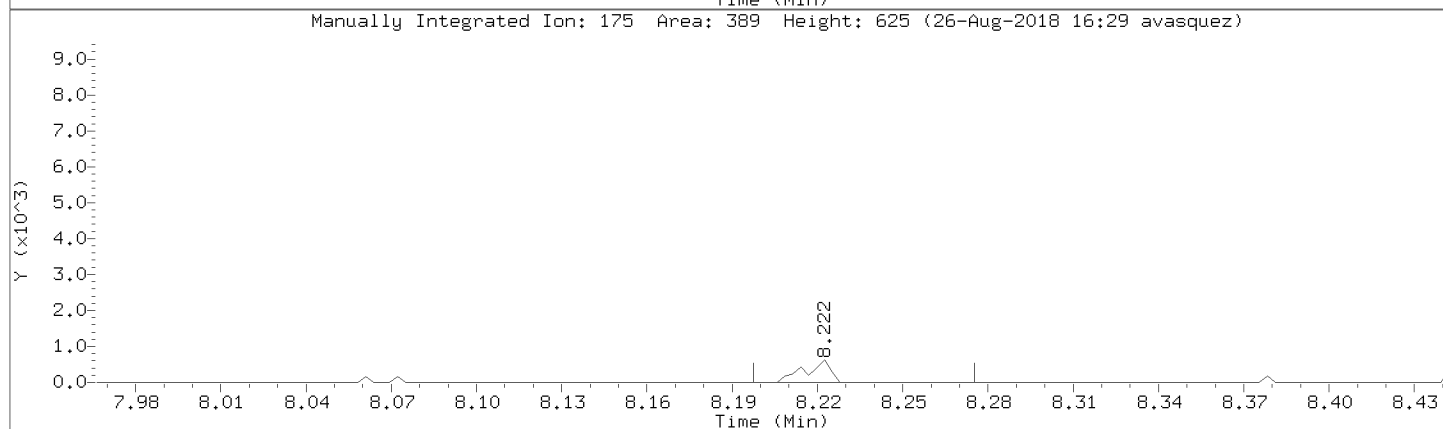
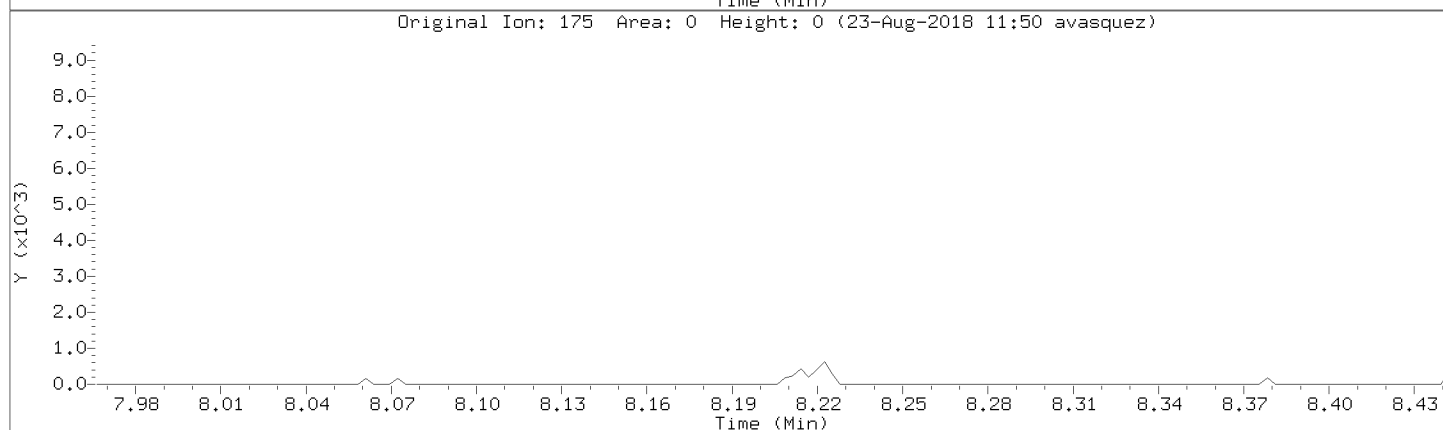
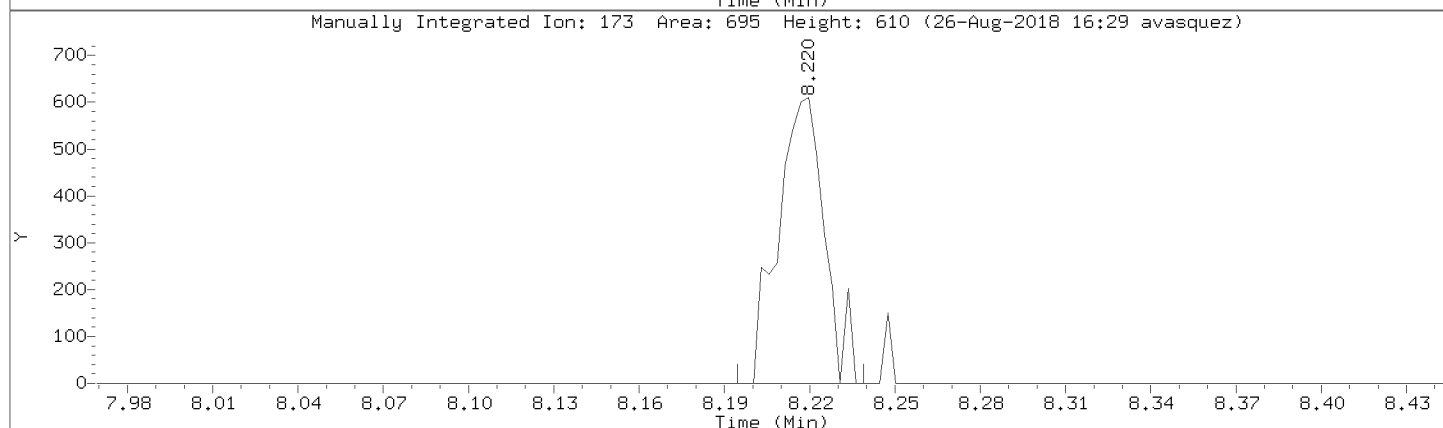
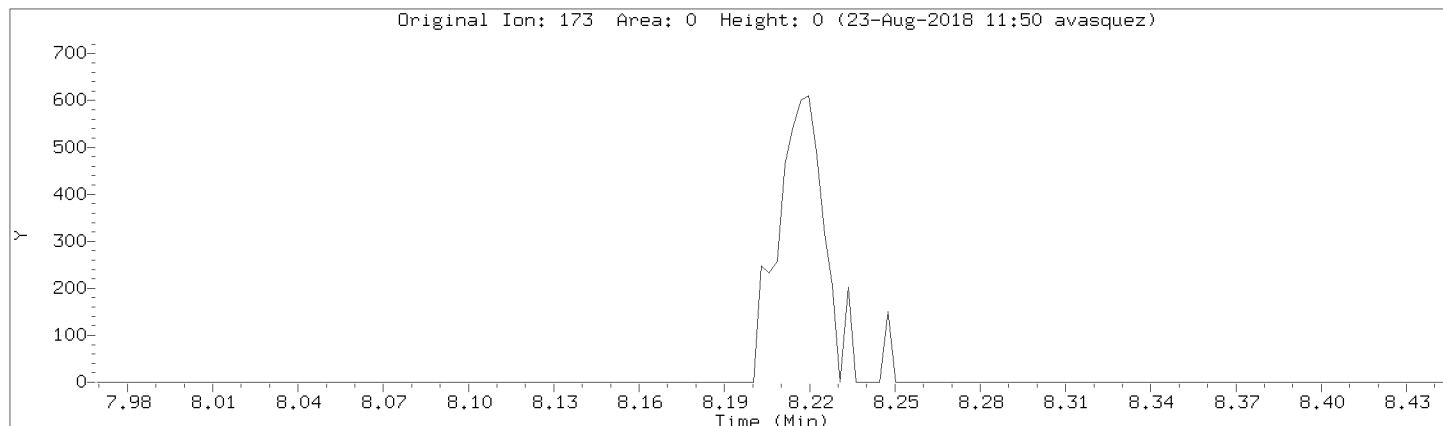
Review Code: NI

CAS Number: 10061-01-5

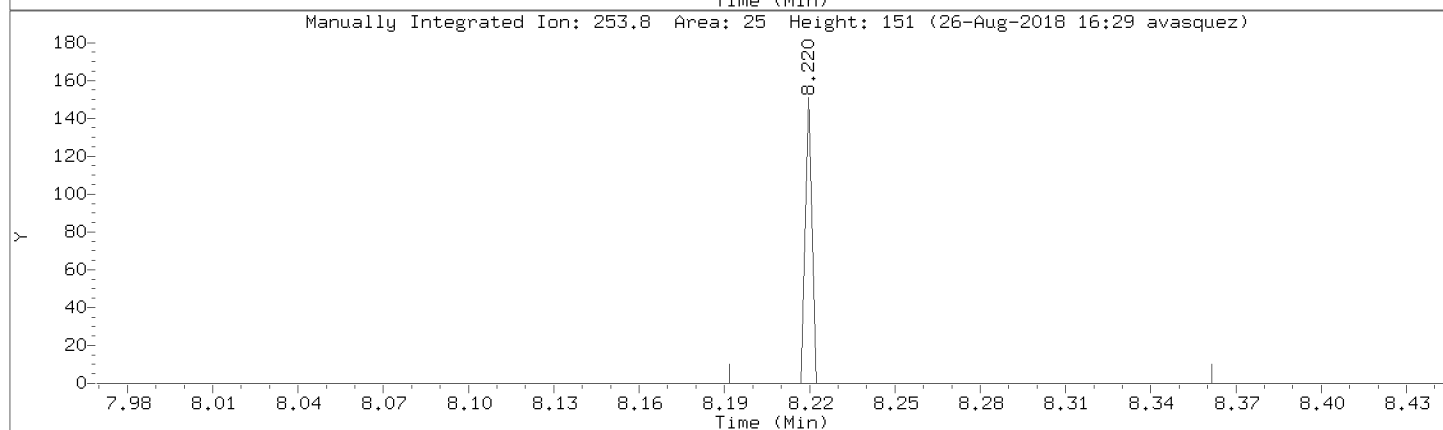
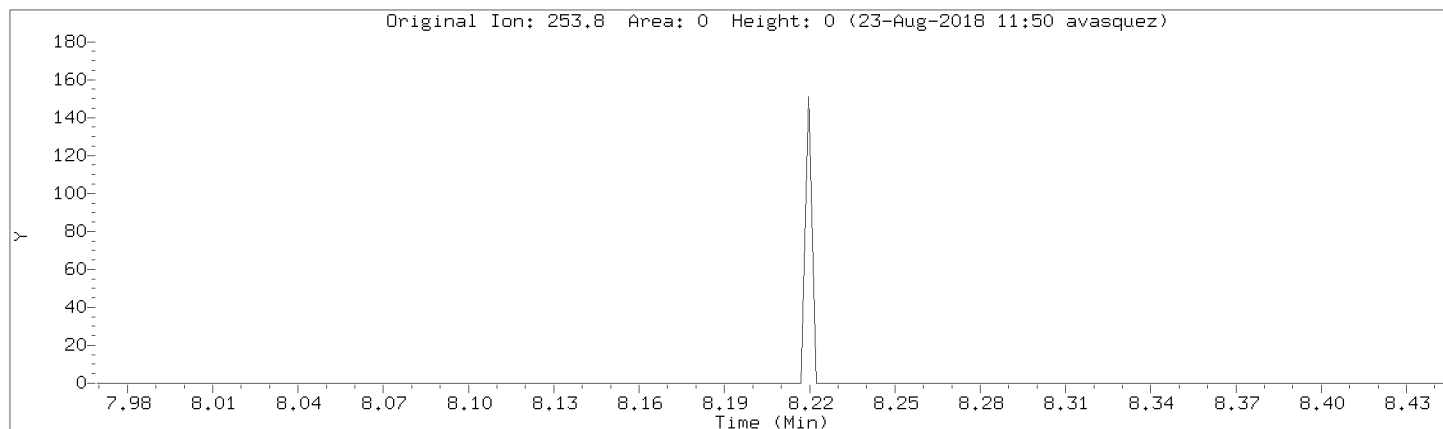


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: Bromoform Review Code: NI
CAS Number: 75-25-2

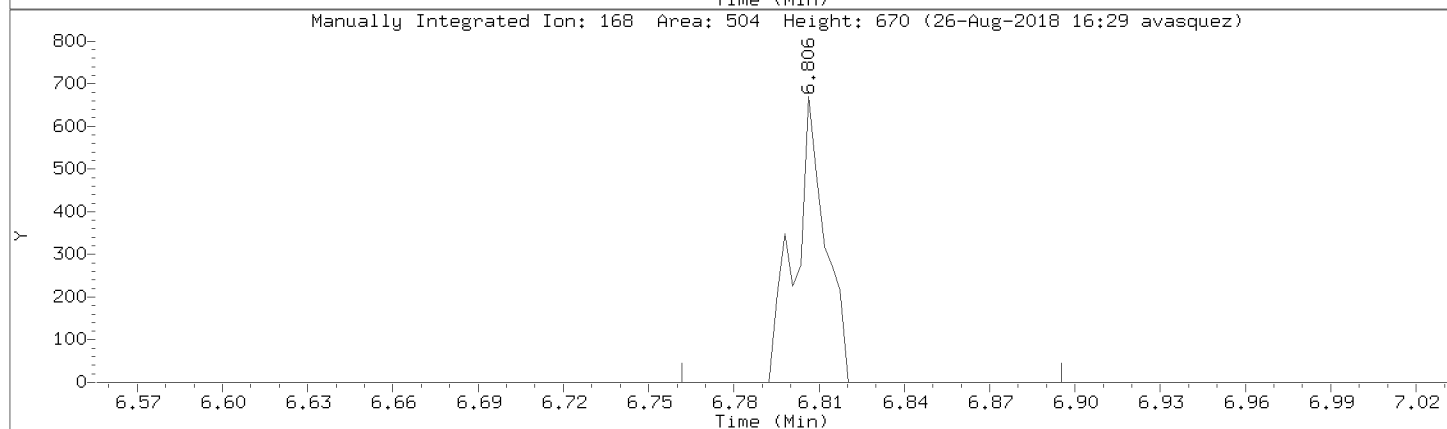
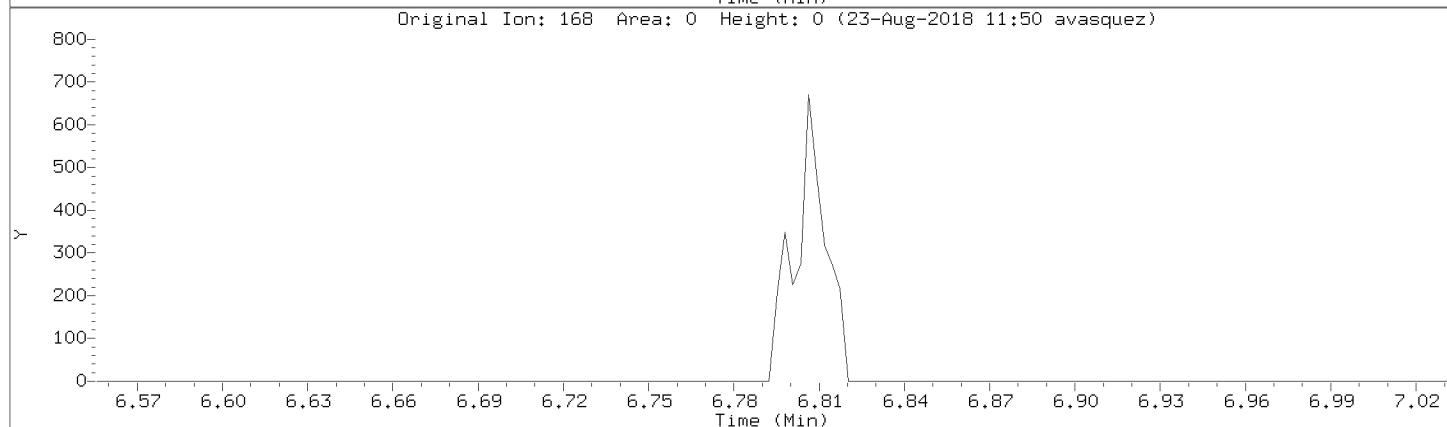
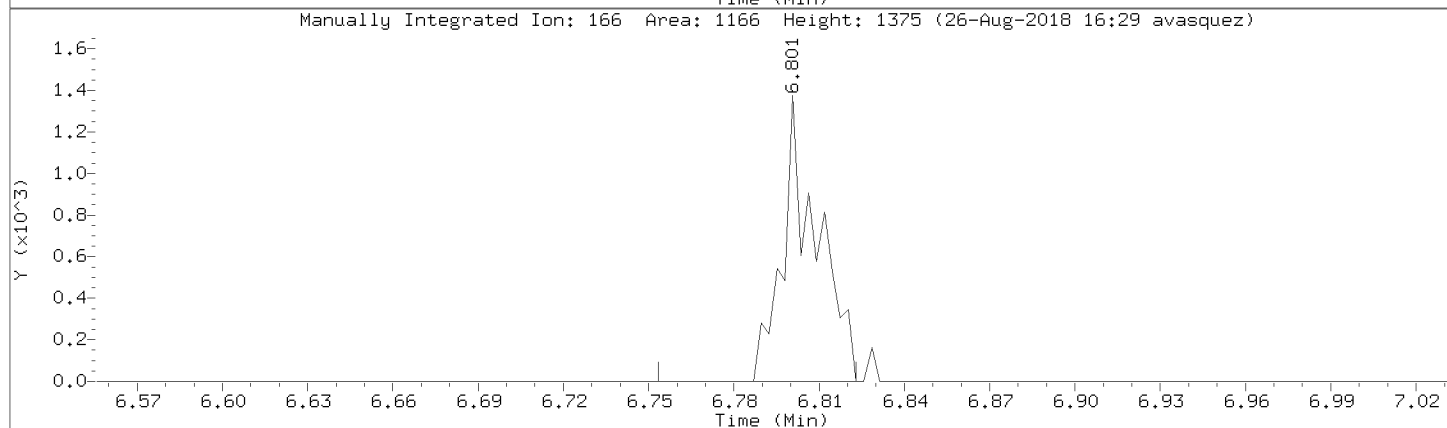
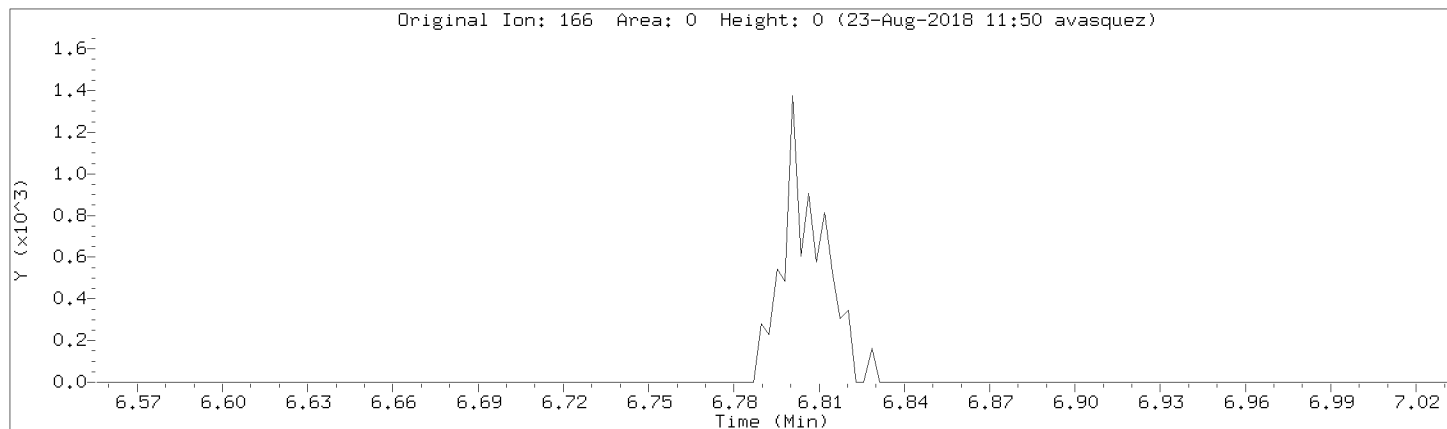


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

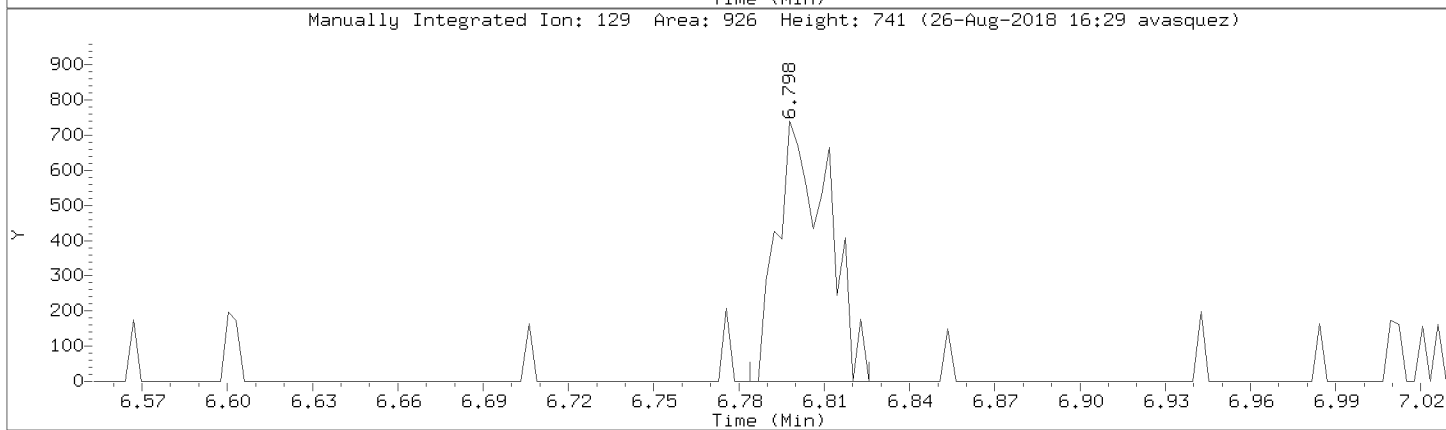
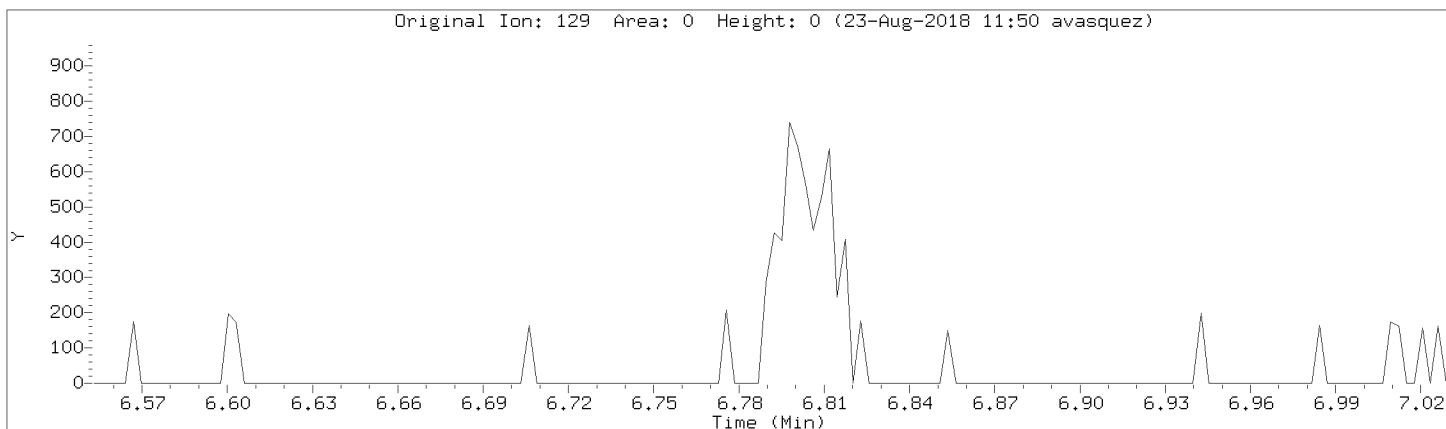


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: Tetrachloroethene Review Code: NI
CAS Number: 127-18-4



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



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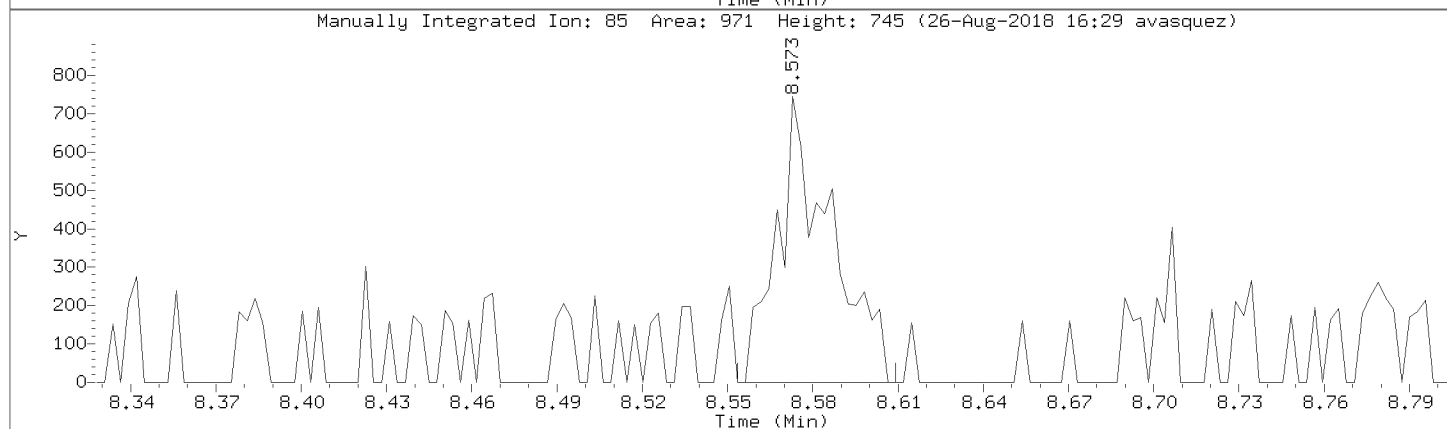
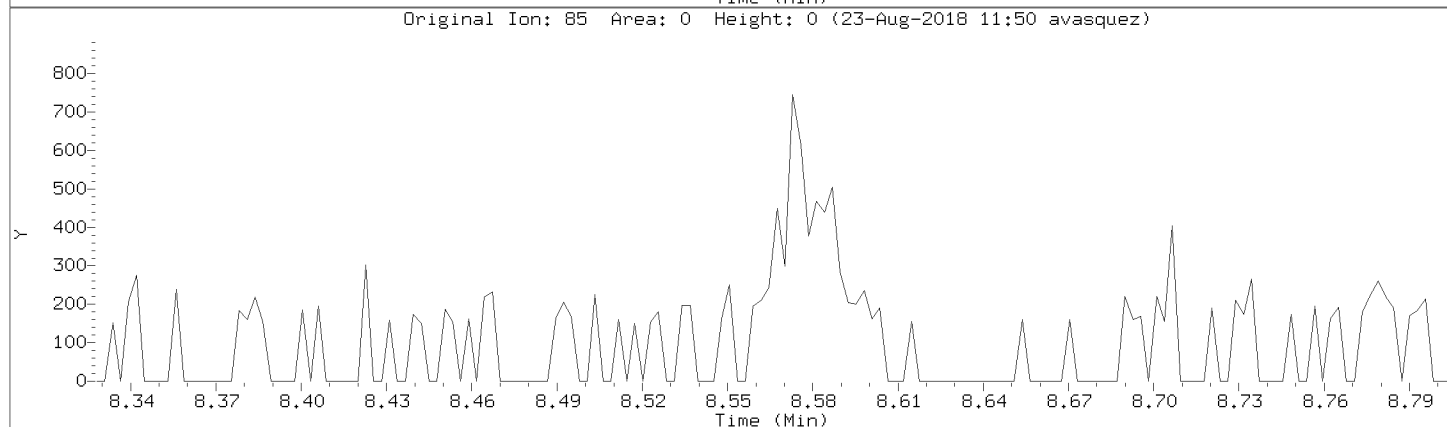
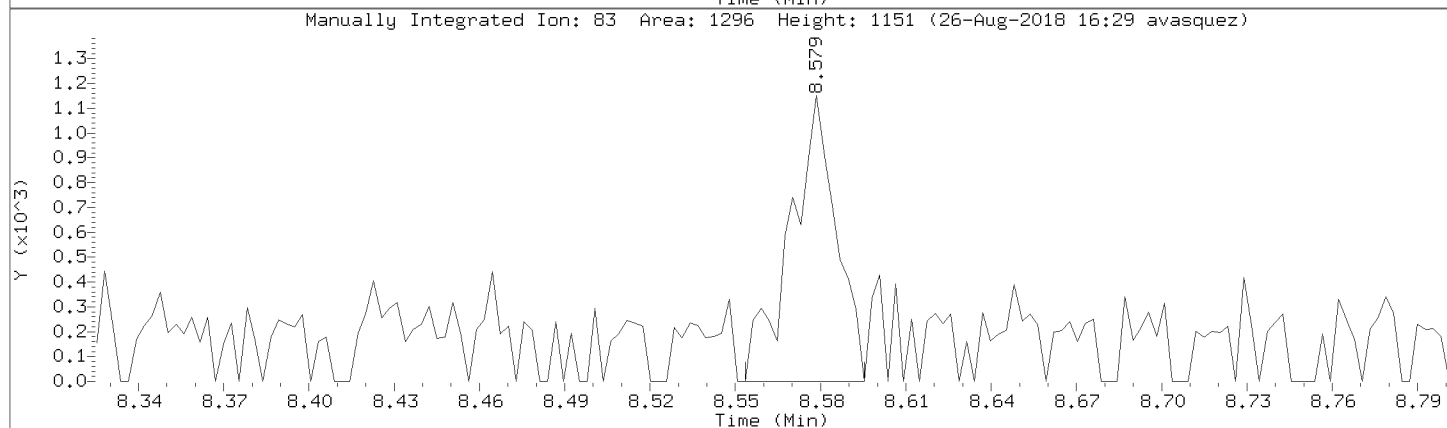
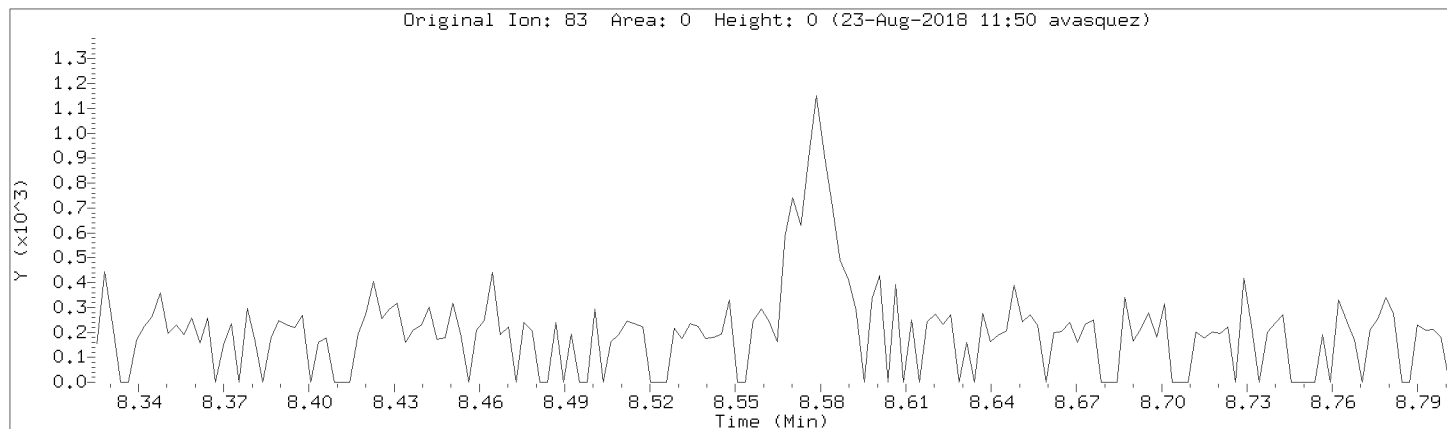
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Lab Sample ID: 8260-CAL1

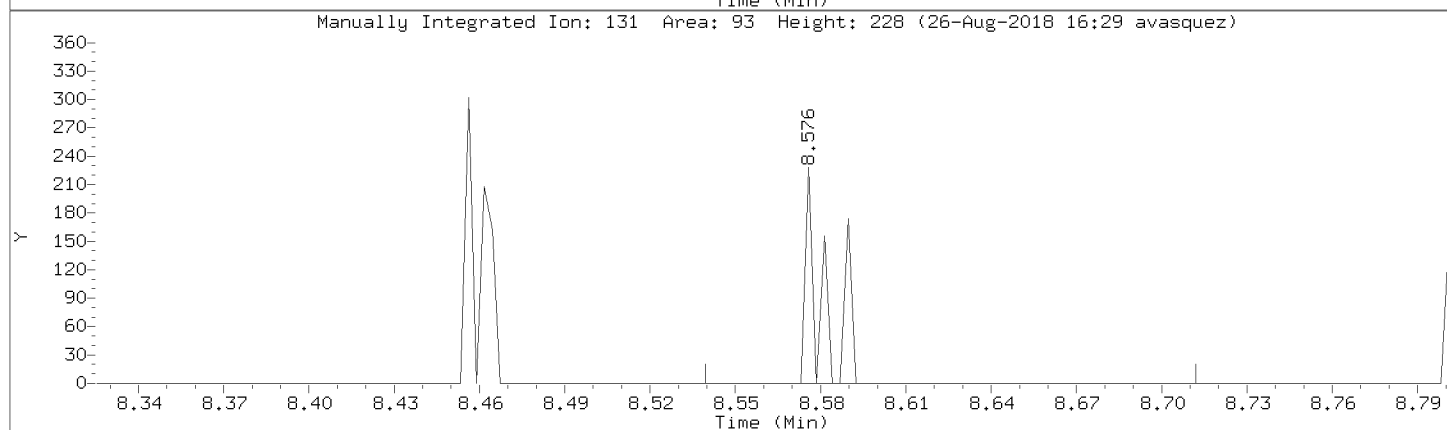
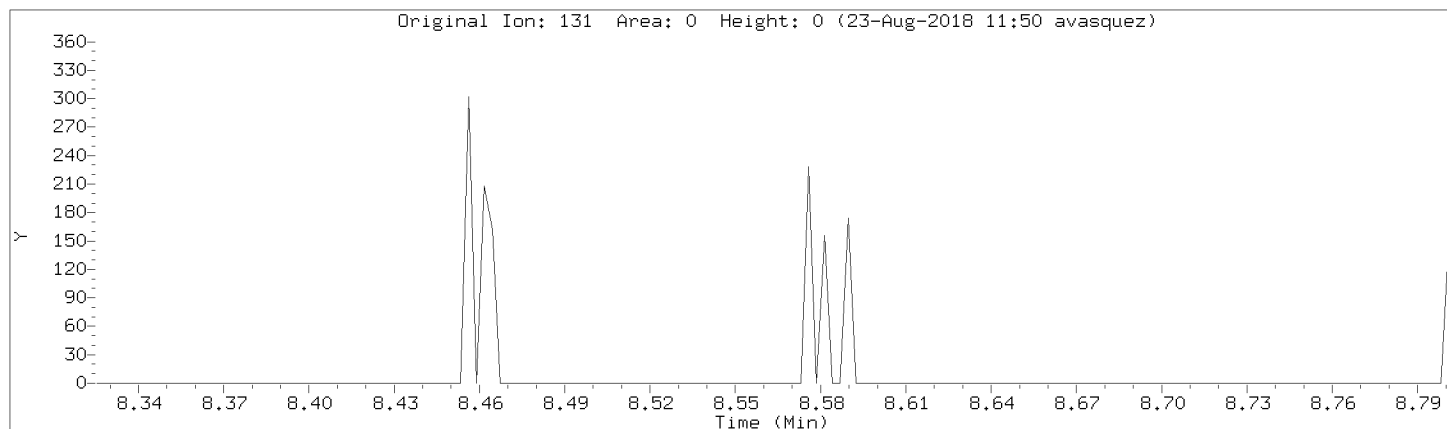
Compound: 1,1,2,2-Tetrachloroethane

Review Code: NI

CAS Number: 79-34-5



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



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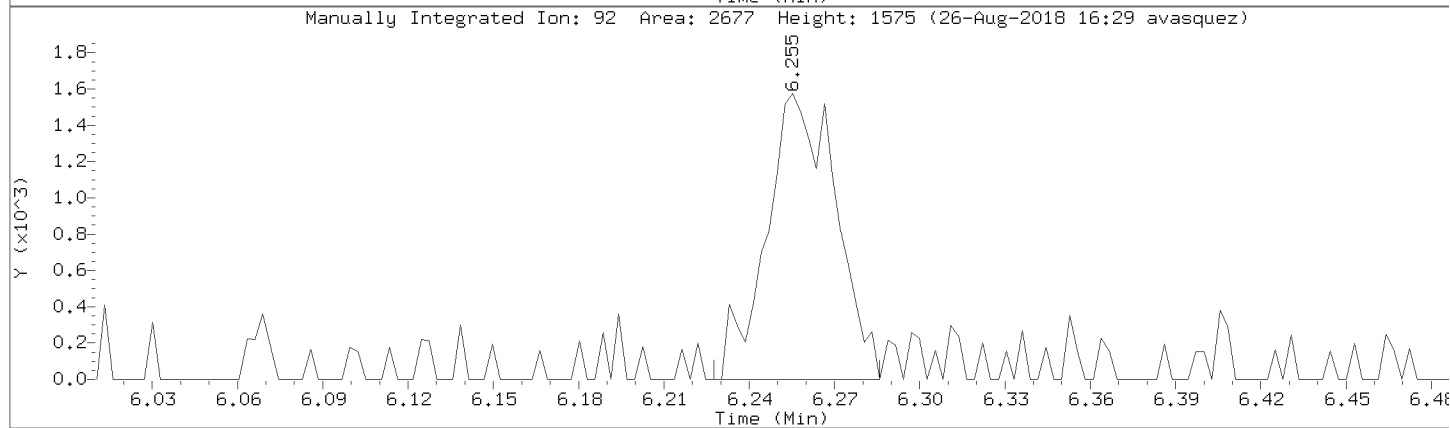
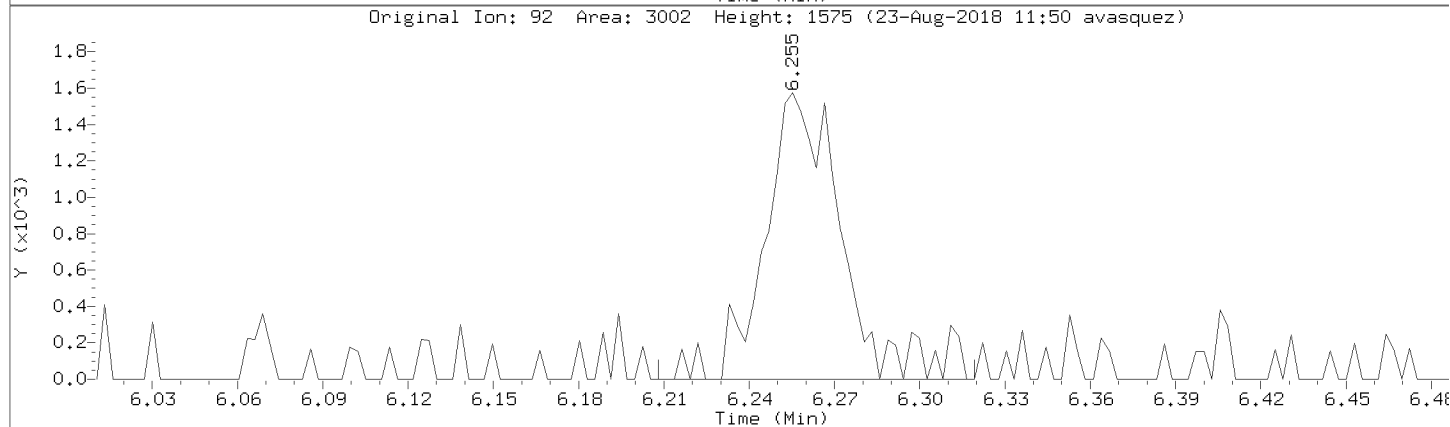
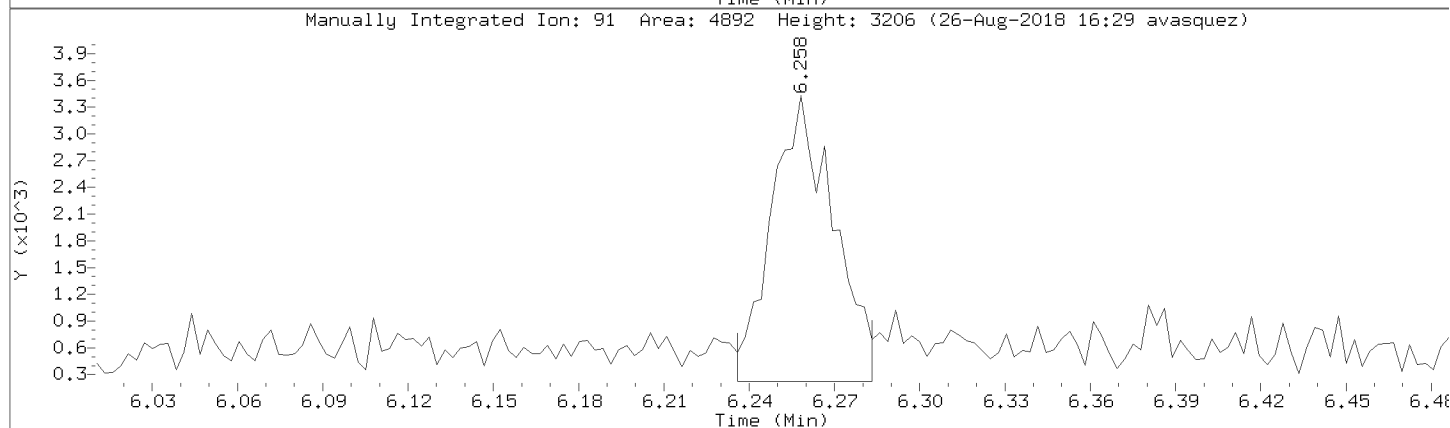
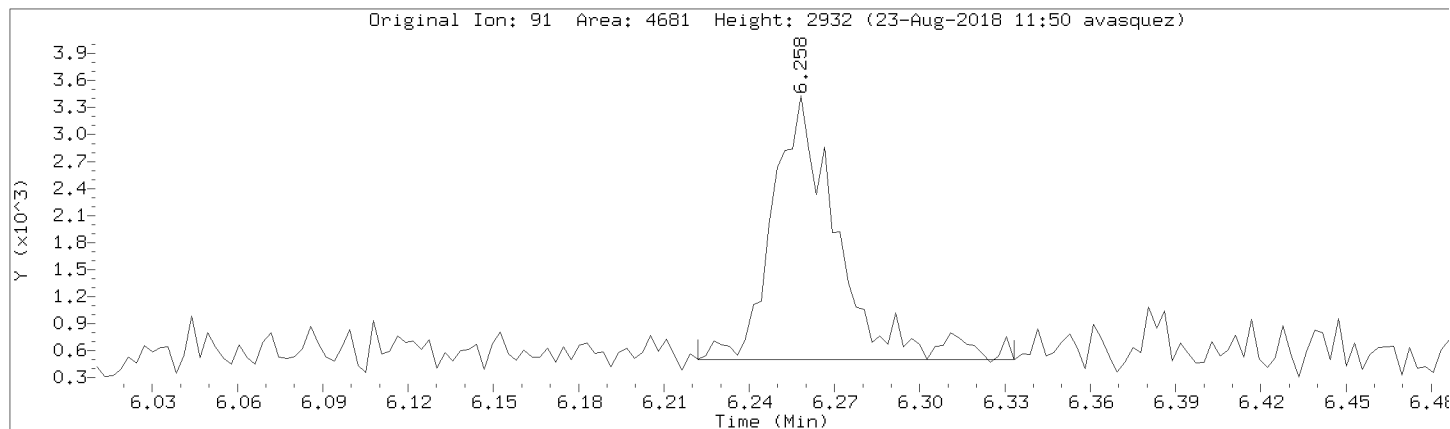
Injection Date: 22-AUG-2018 14:19

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

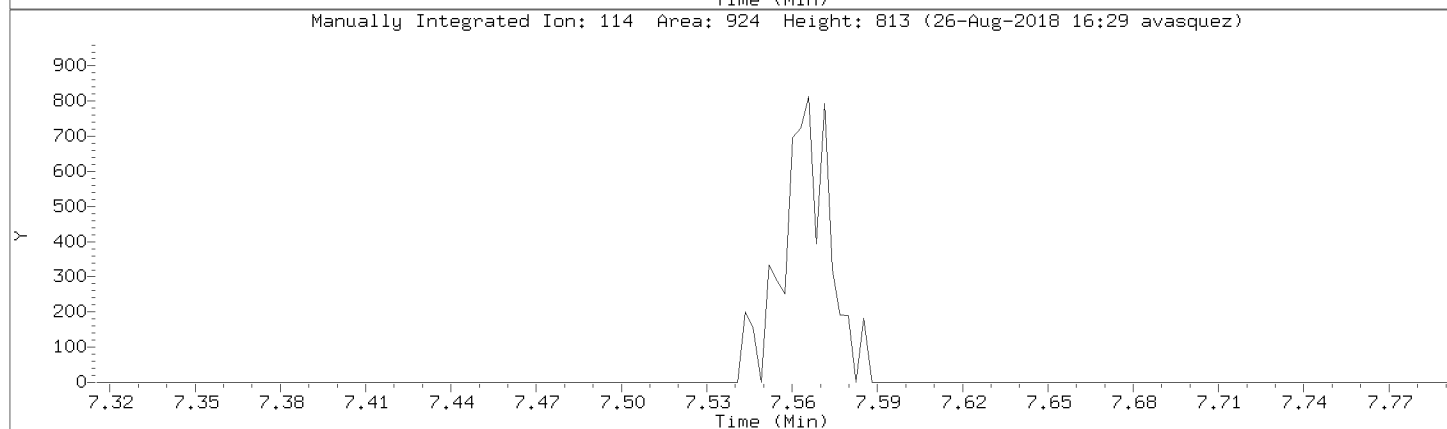
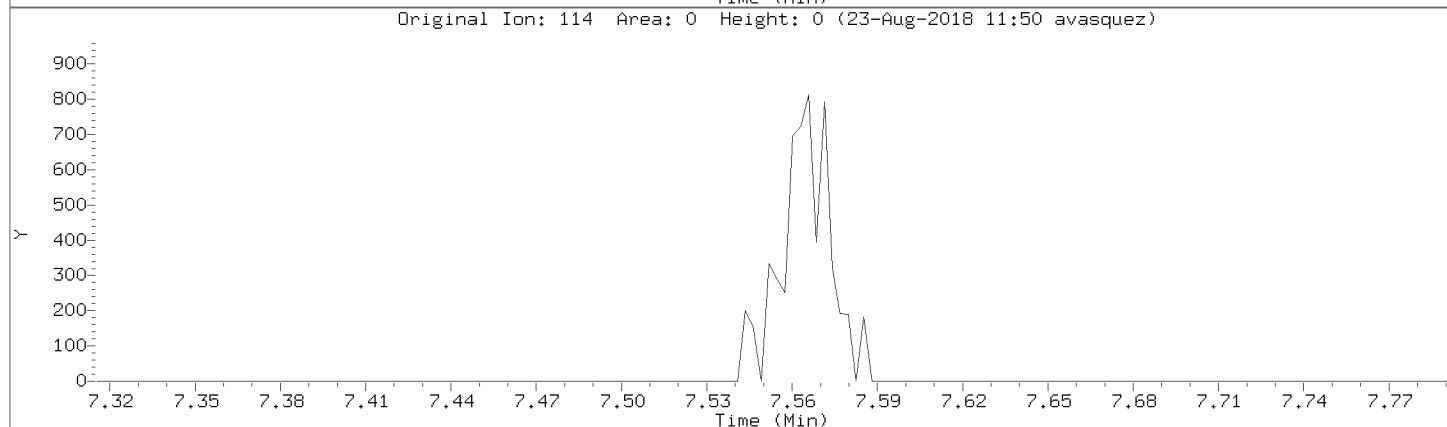
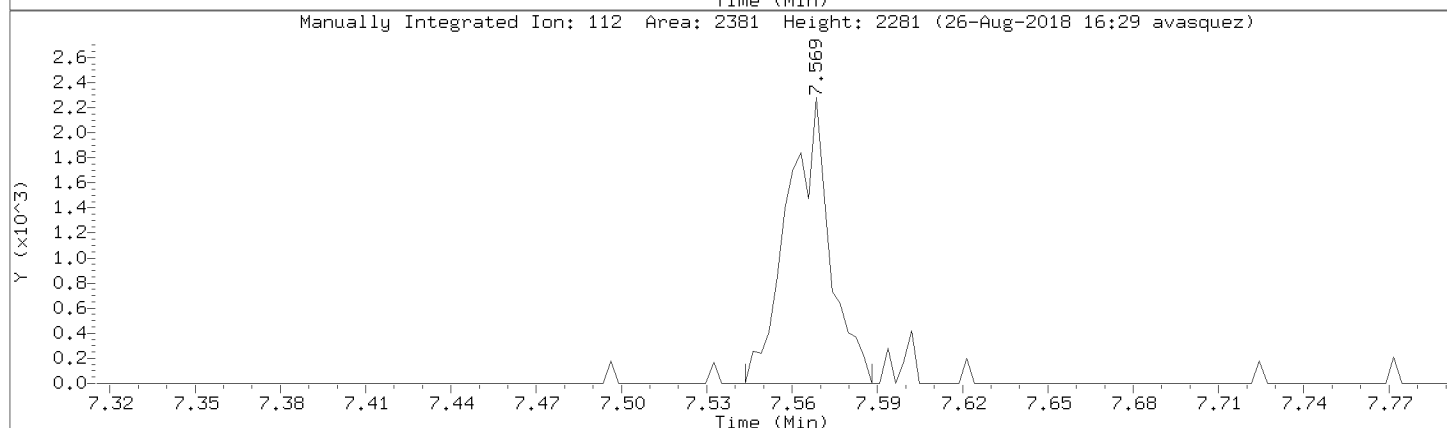
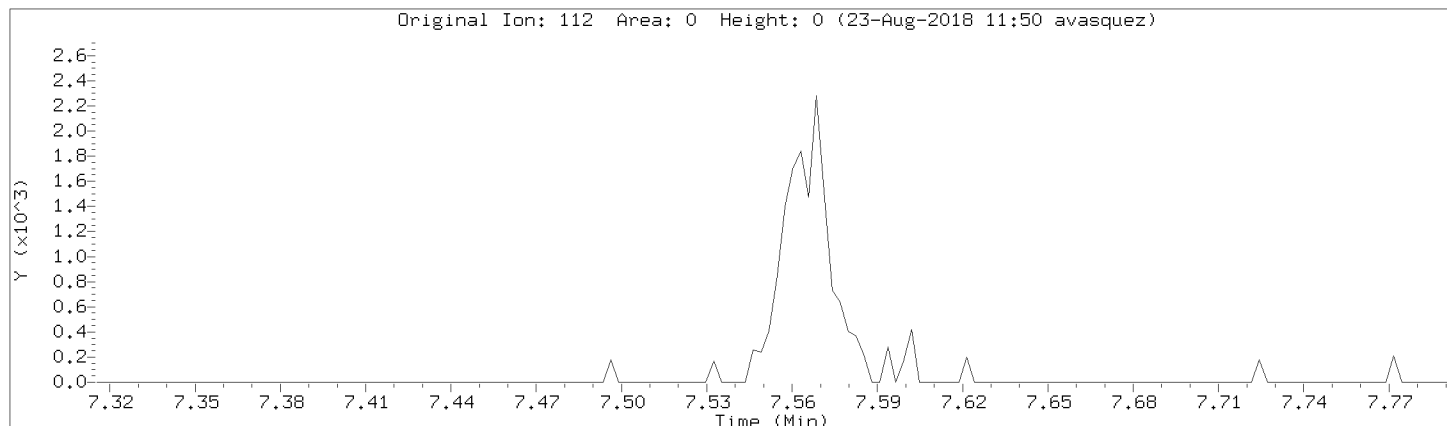
Compound: Toluene Review Code:

CAS Number: 108-88-3



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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: Chlorobenzene Review Code: NI
CAS Number: 108-90-7

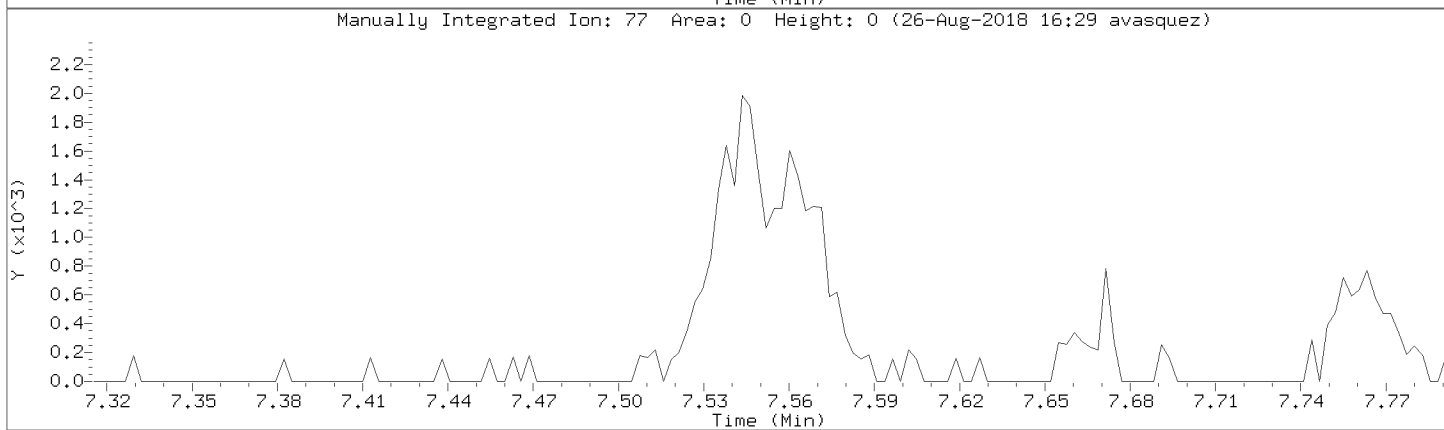
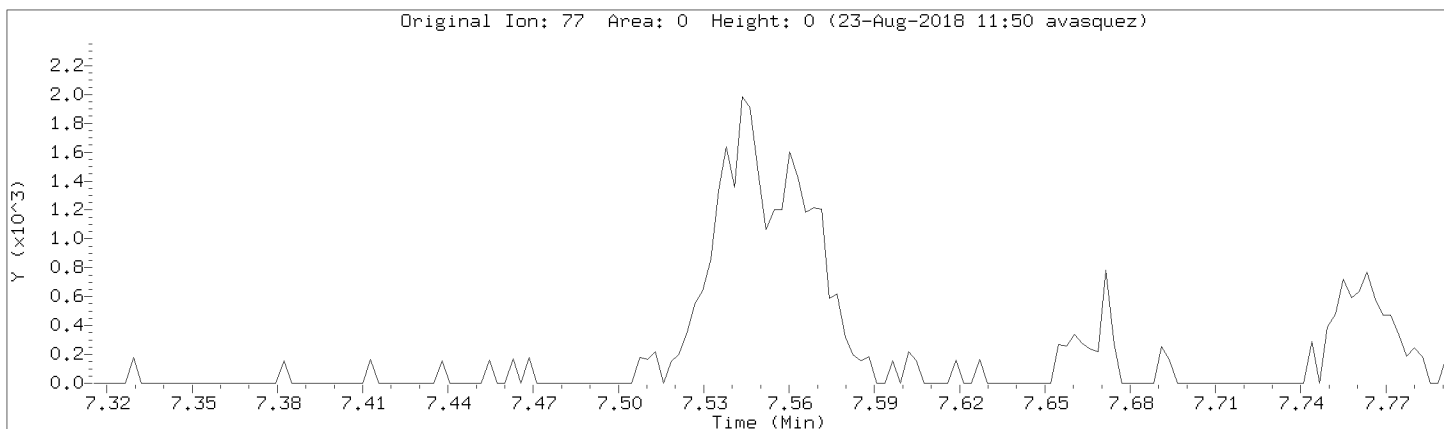


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Injection Date: 22-AUG-2018 14:19

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1



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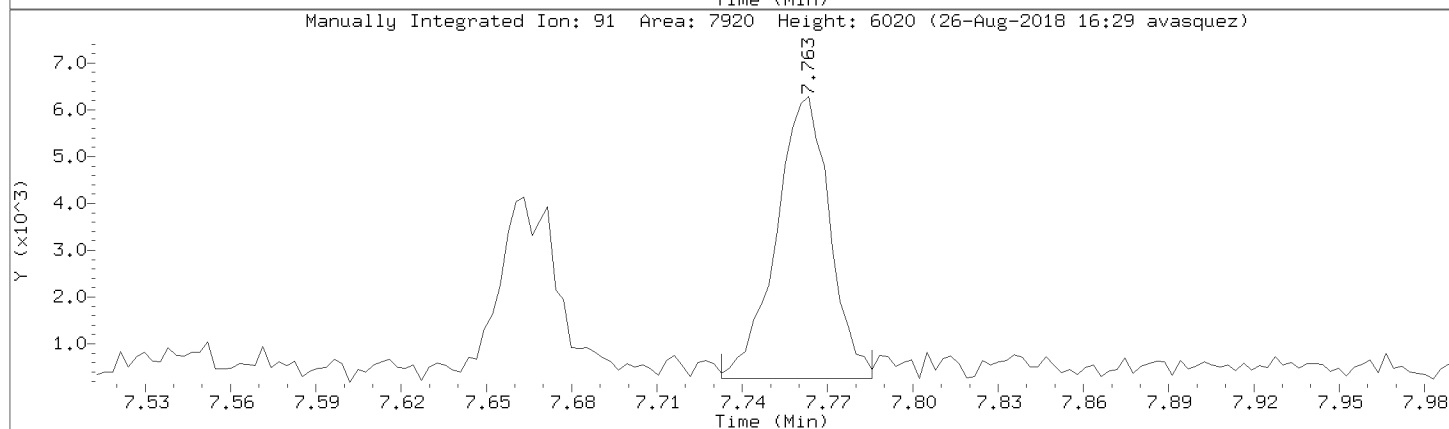
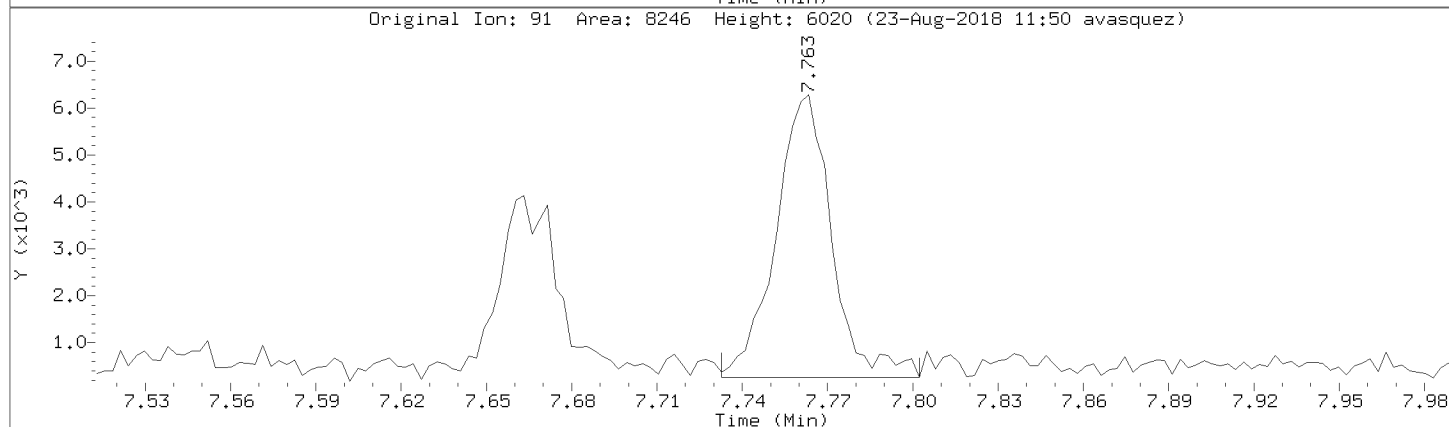
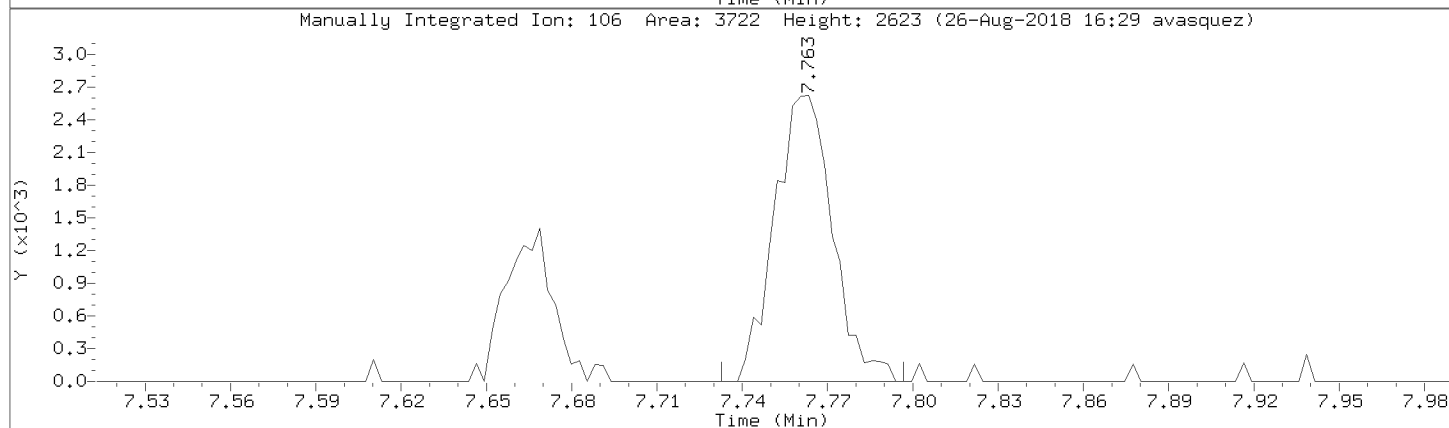
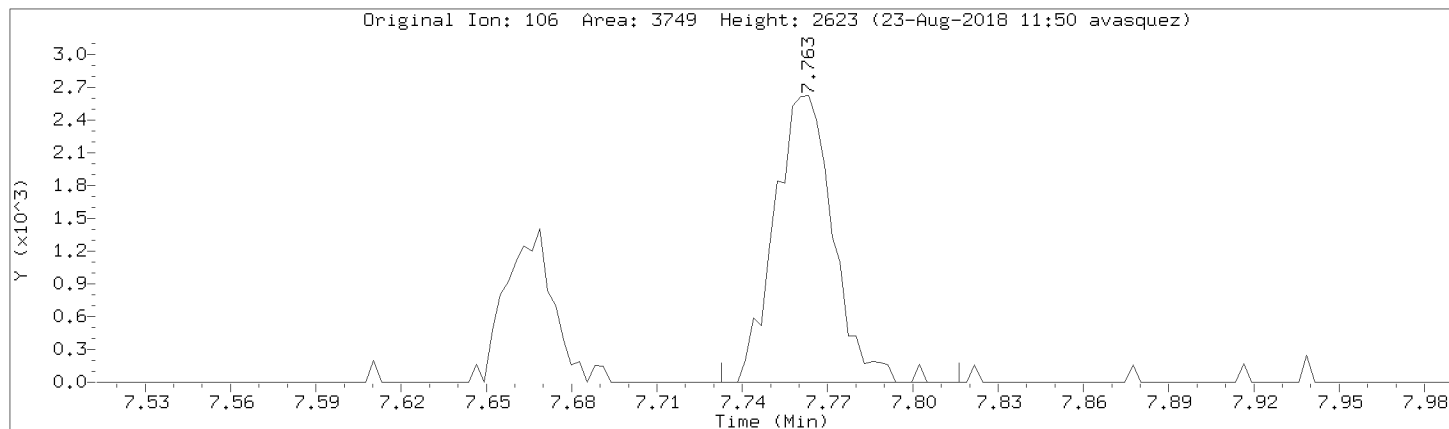
Injection Date: 22-AUG-2018 14:19

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: m&p-Xylene Review Code: NI

CAS Number: 7816-60-0

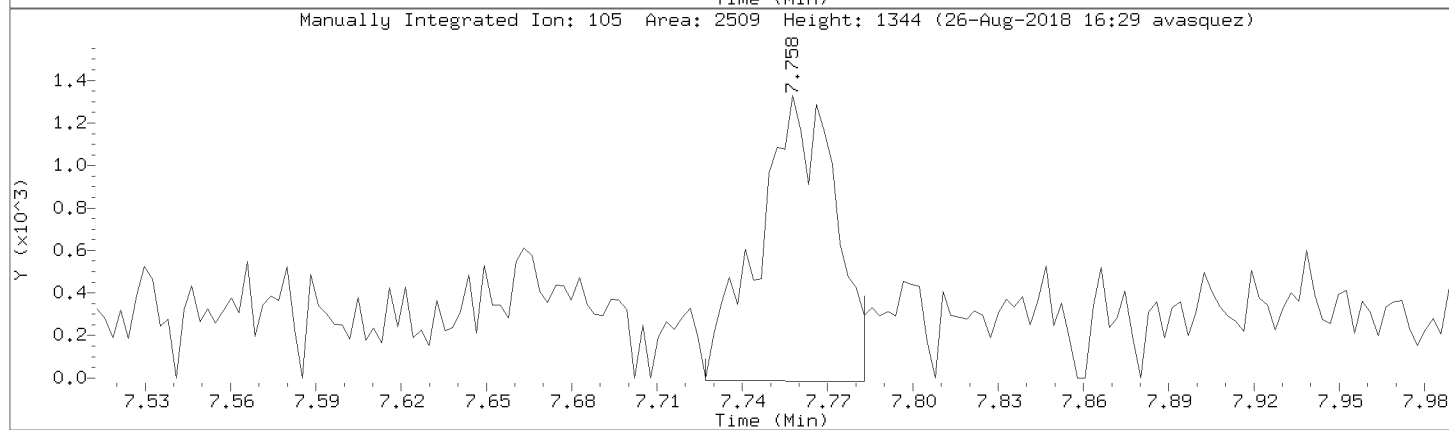
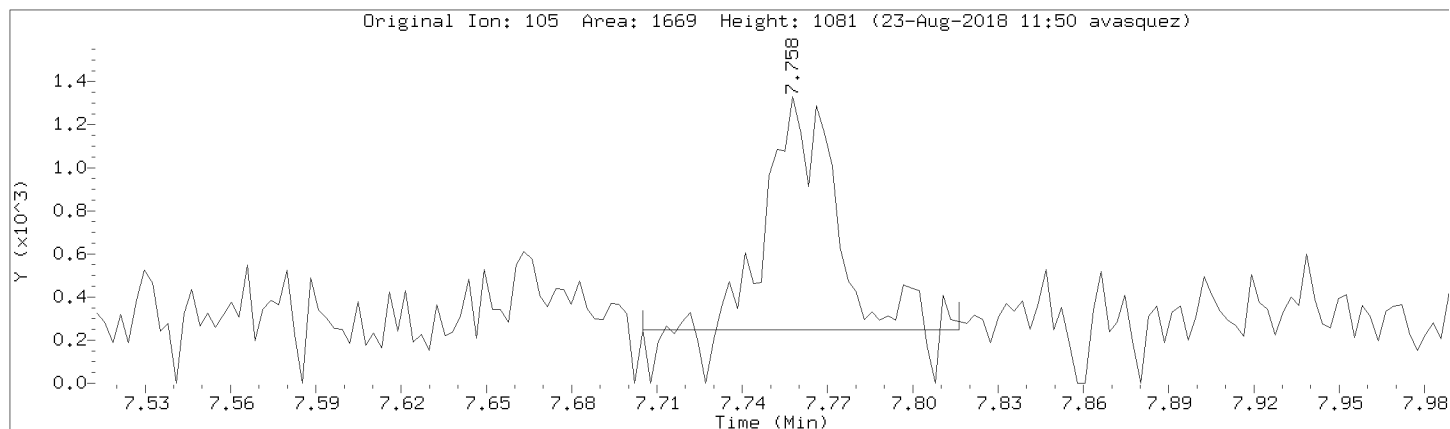


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d

Injection Date: 22-AUG-2018 14:19

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d

Injection Date: 22-AUG-2018 14:19

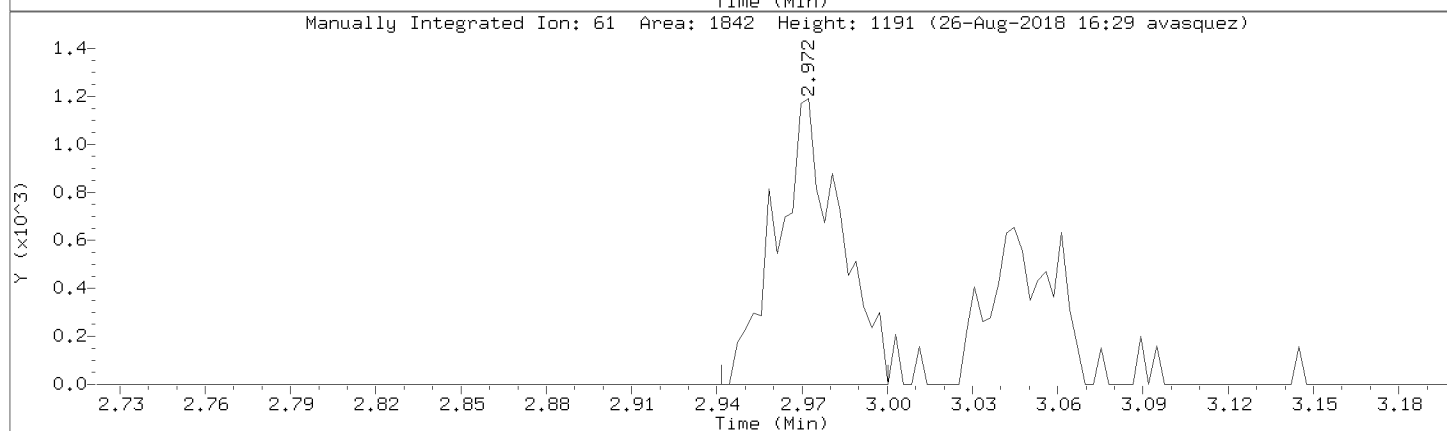
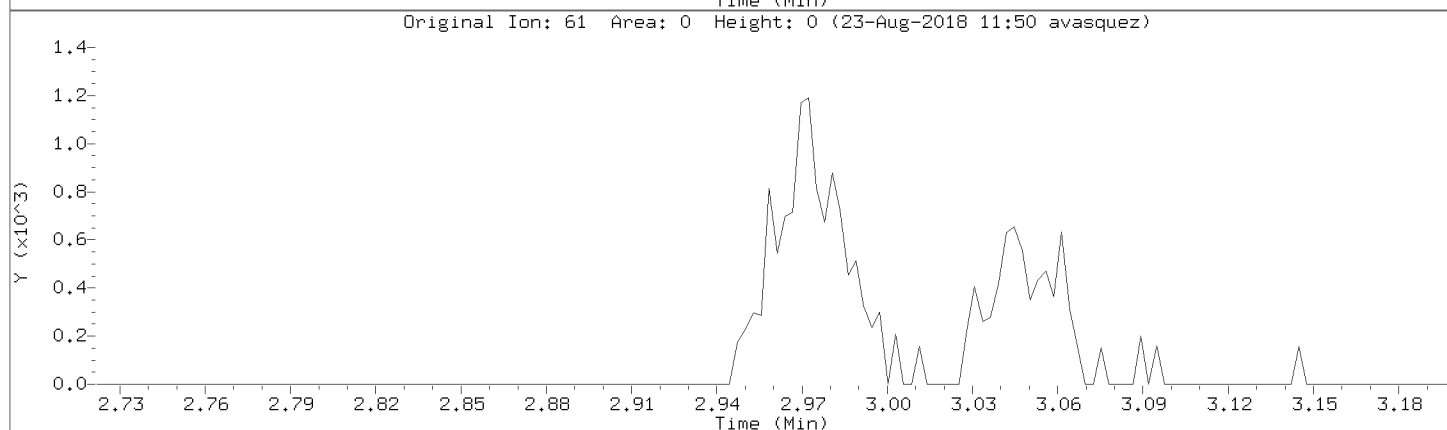
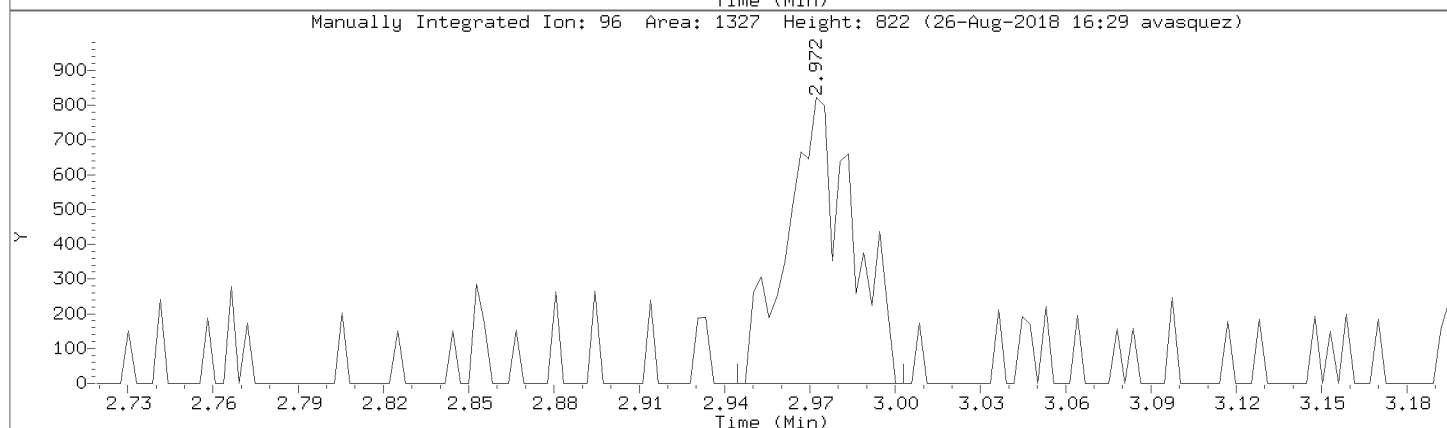
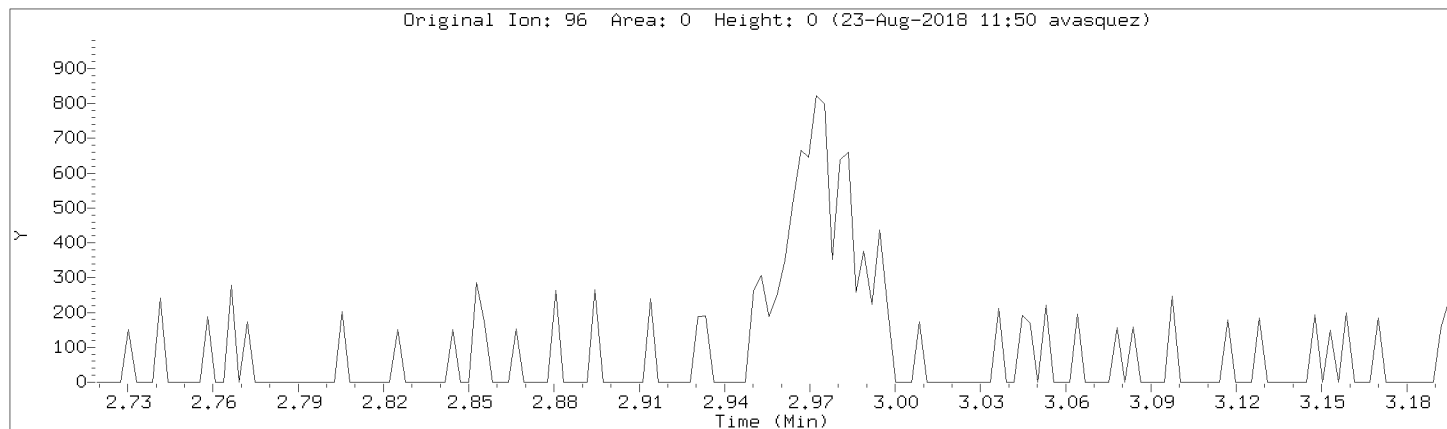
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

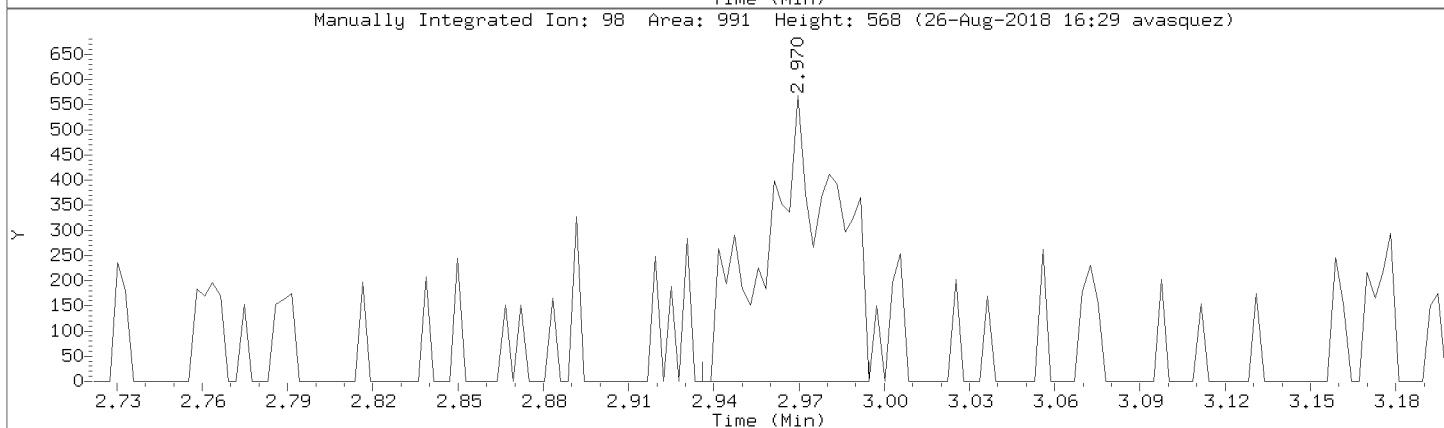
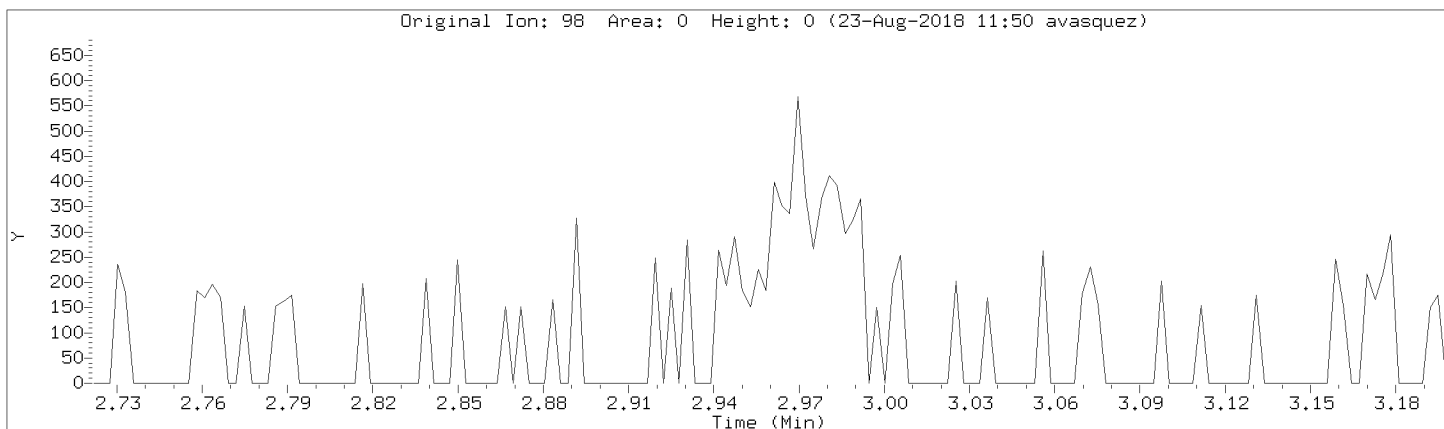
Compound: 1,2-Dichloroethene (cis)

Review Code: NI

CAS Number: 156-59-2

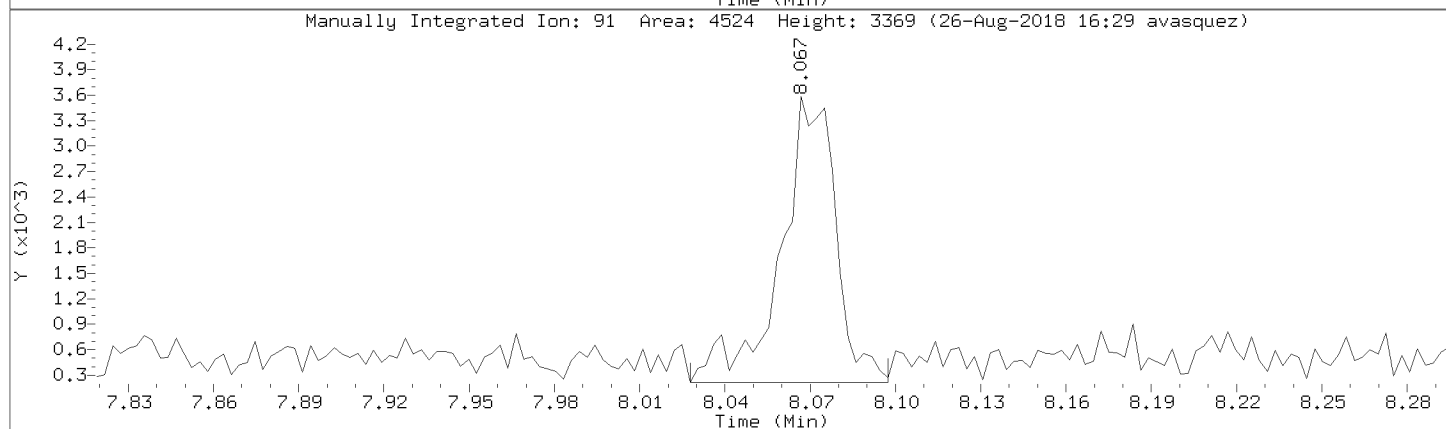
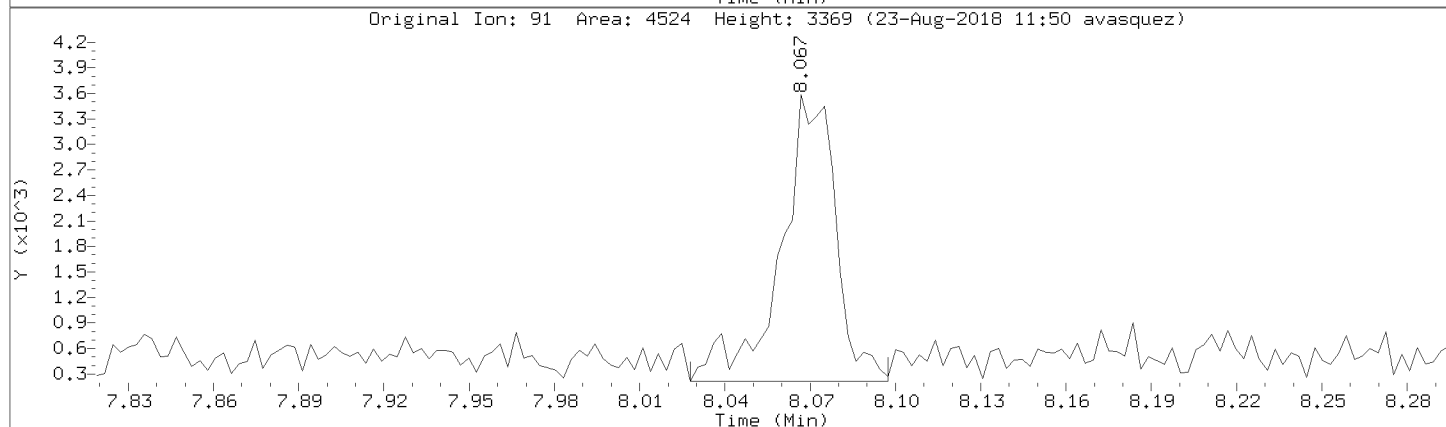
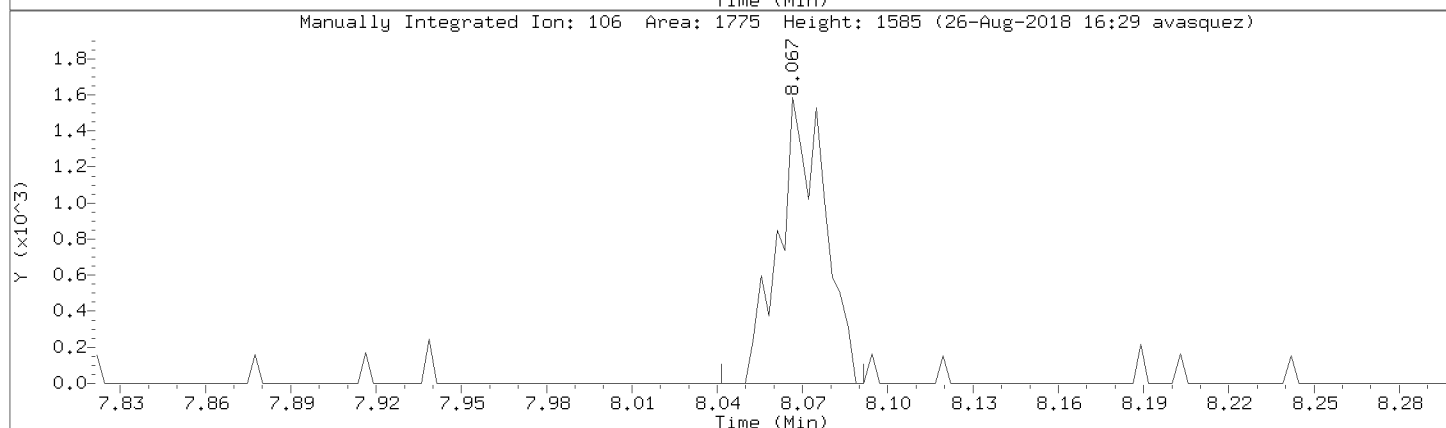
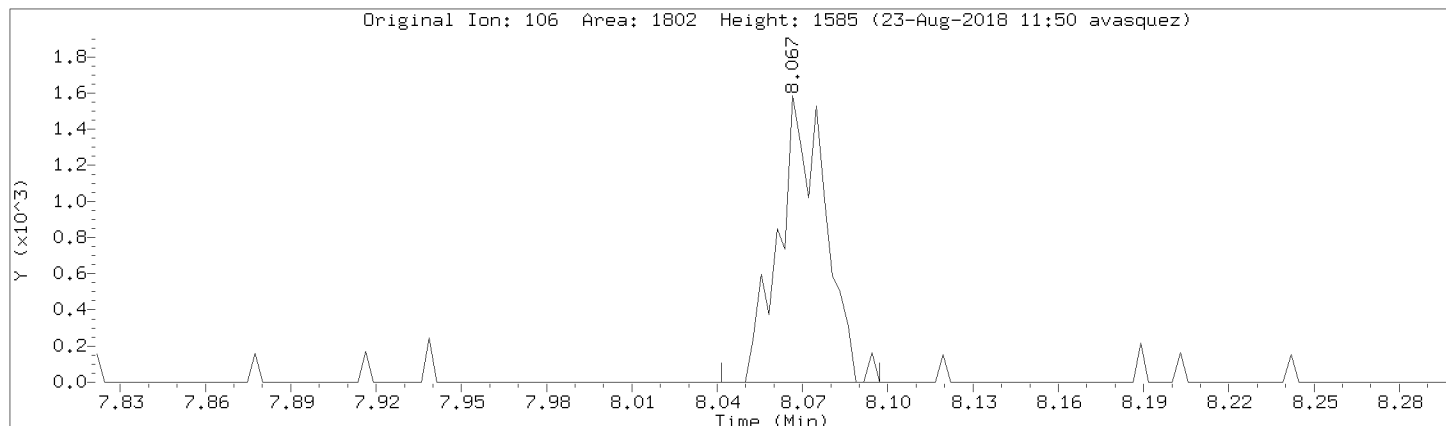


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: o-Xylene Review Code: NI
CAS Number: 95-47-6

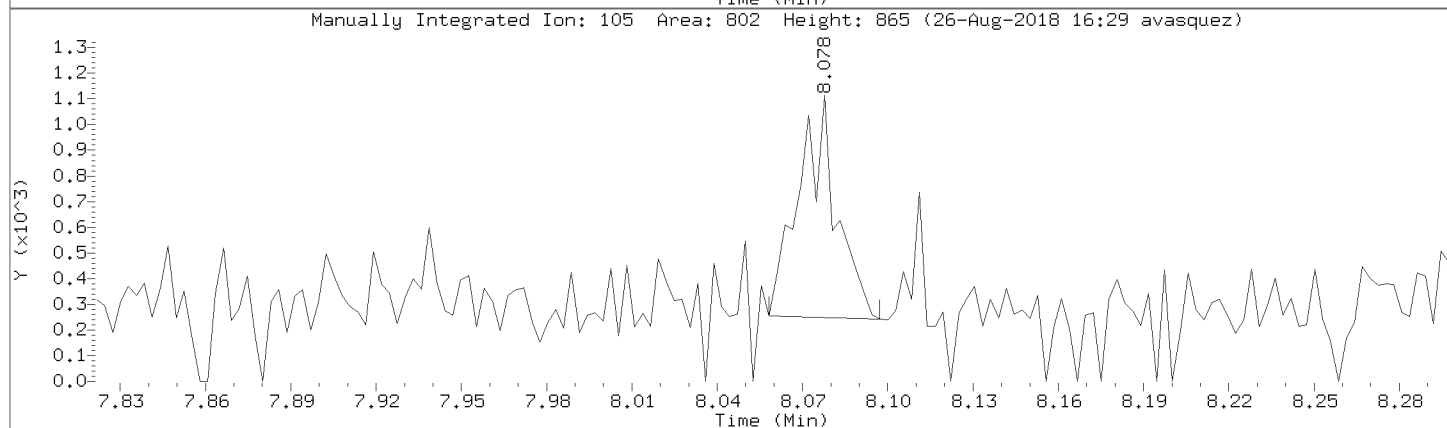
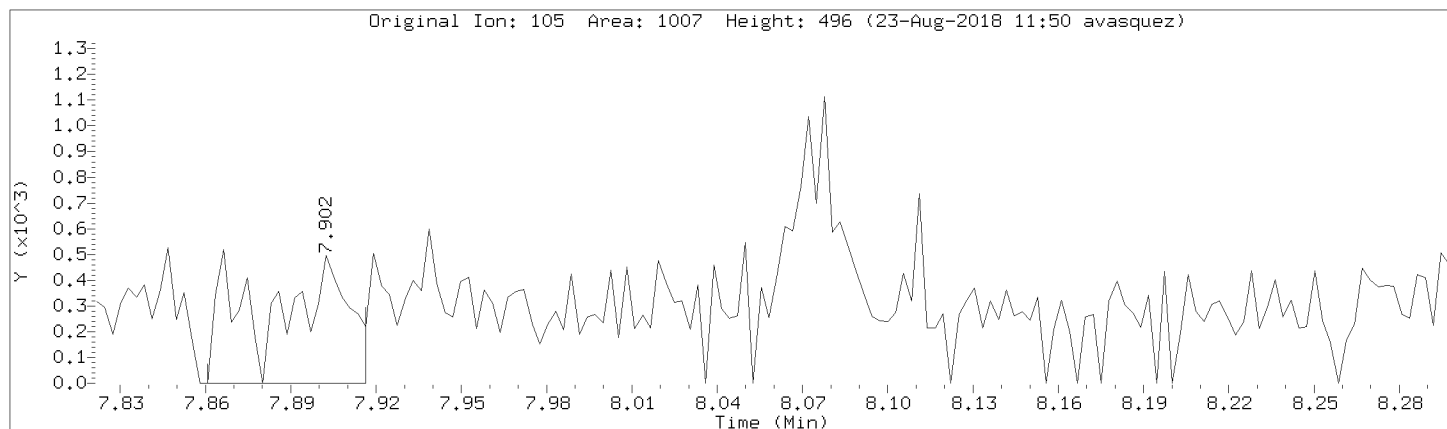


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Injection Date: 22-AUG-2018 14:19

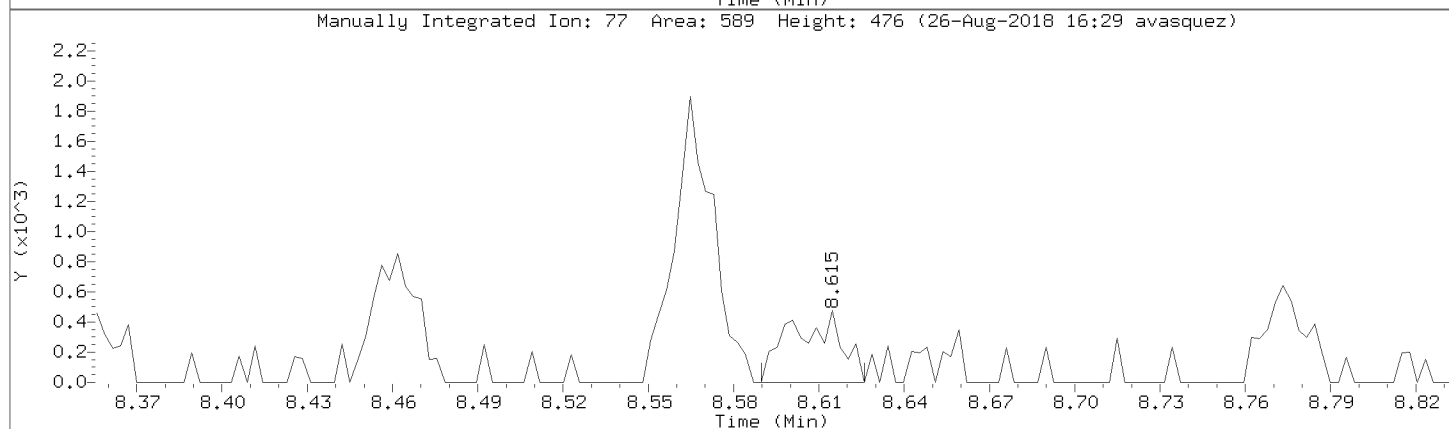
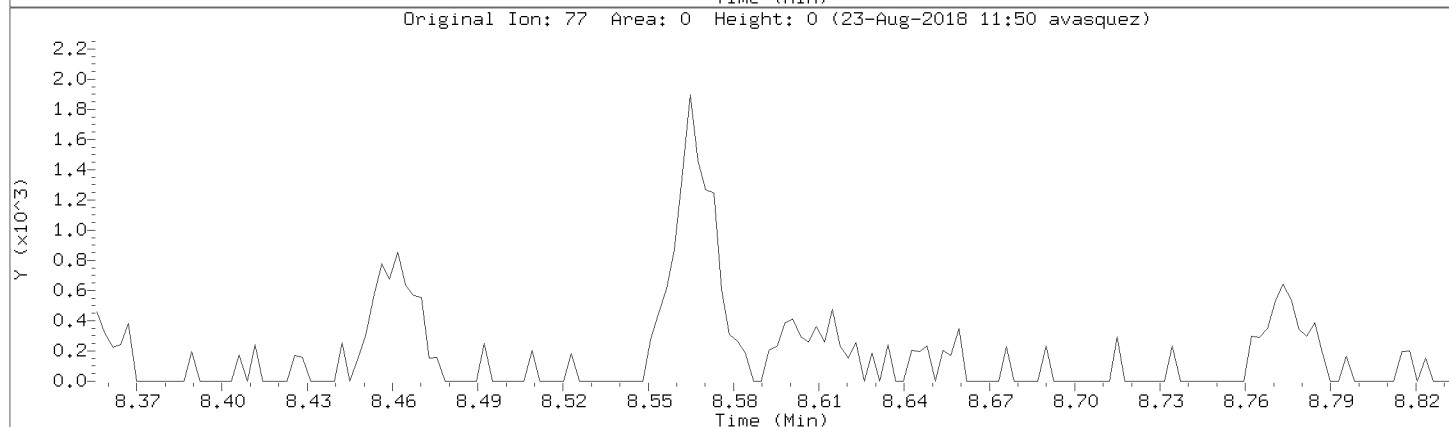
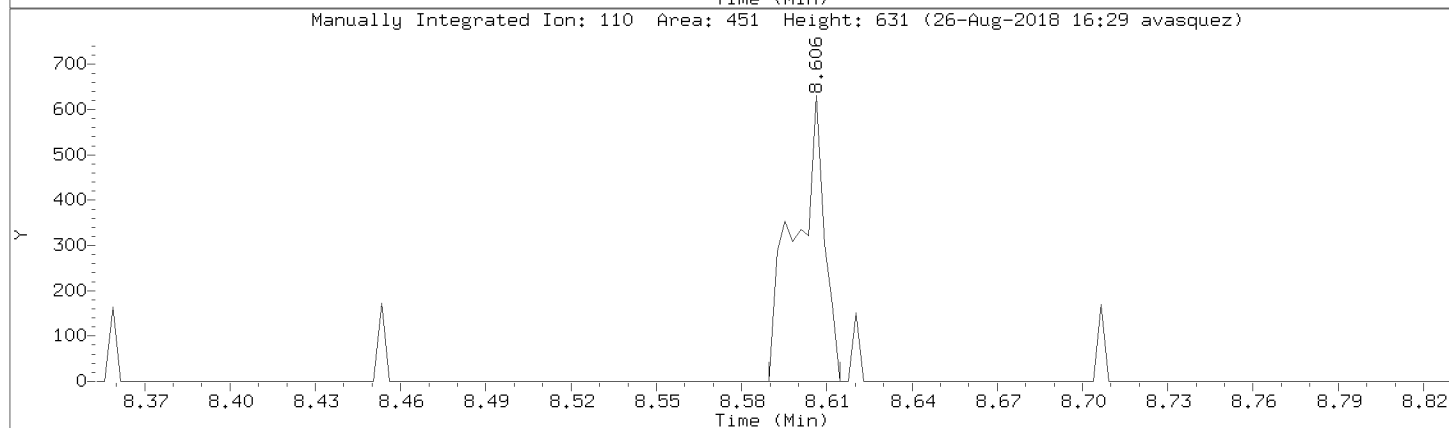
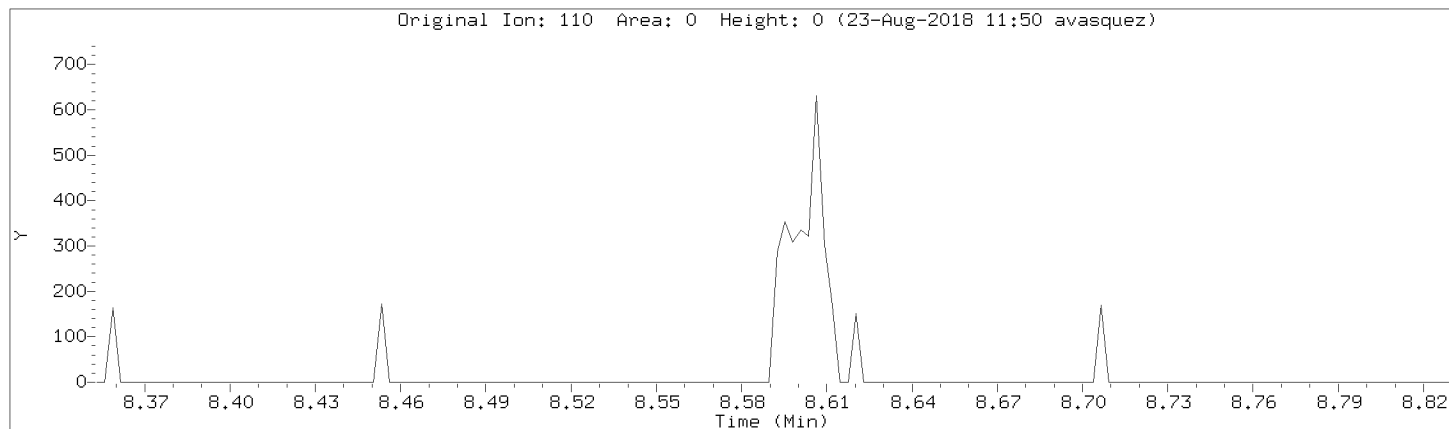
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1



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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: 1,2,3-Trichloropropane Review Code: NI
CAS Number: 96-18-4

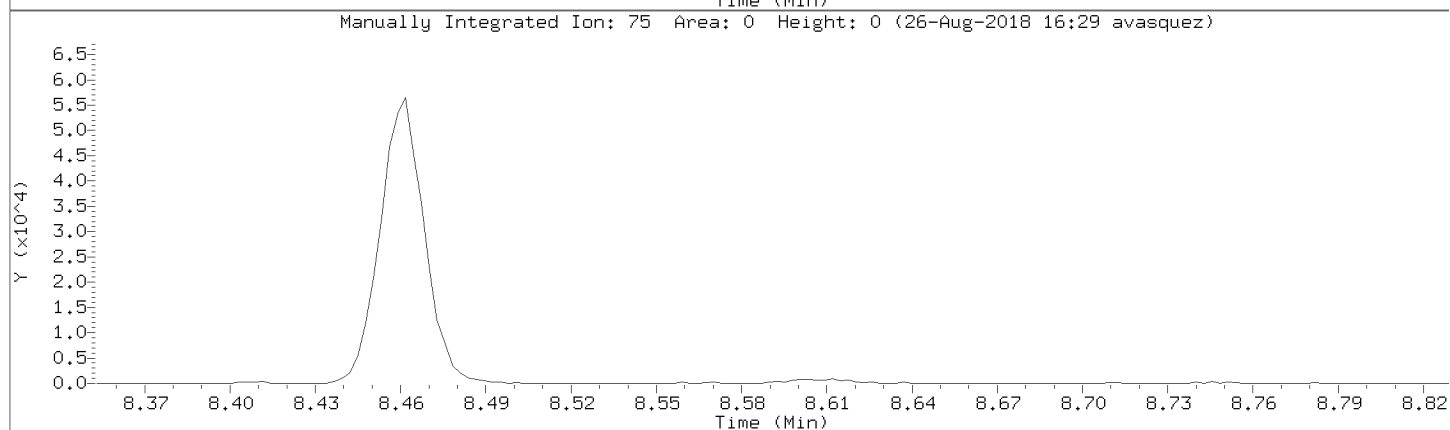
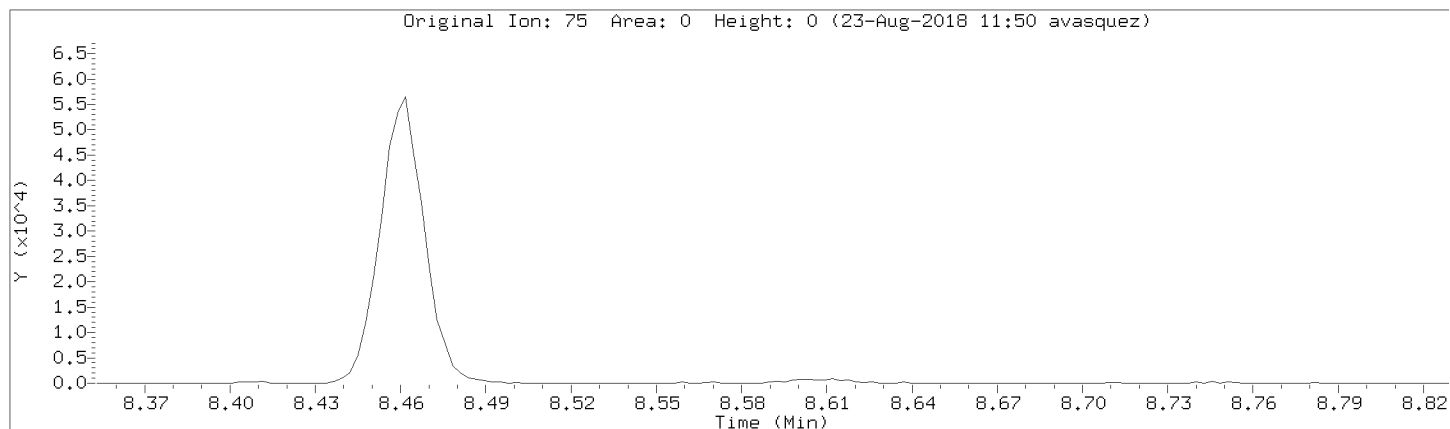


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Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1



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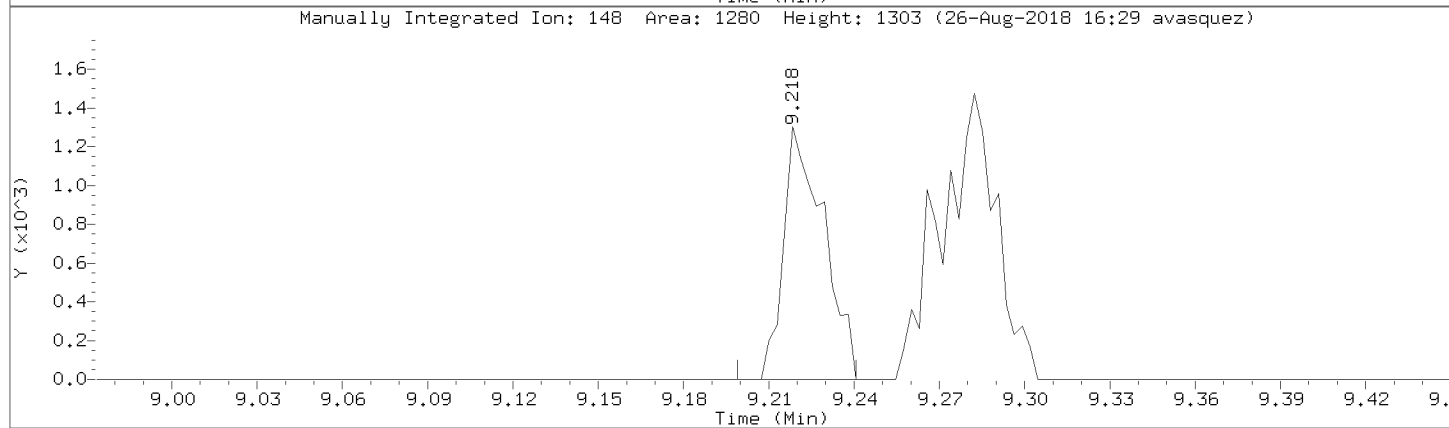
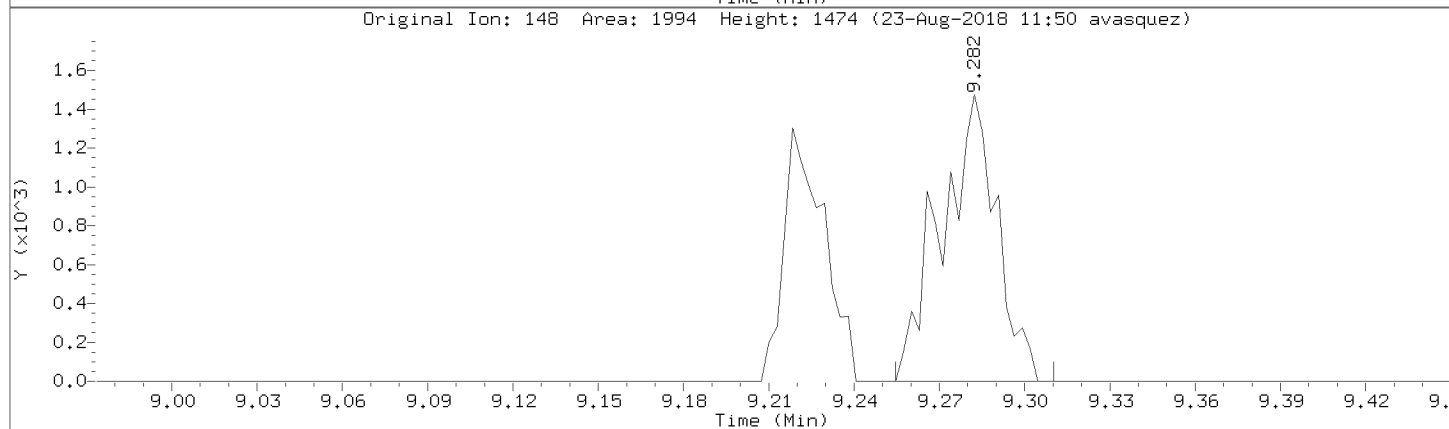
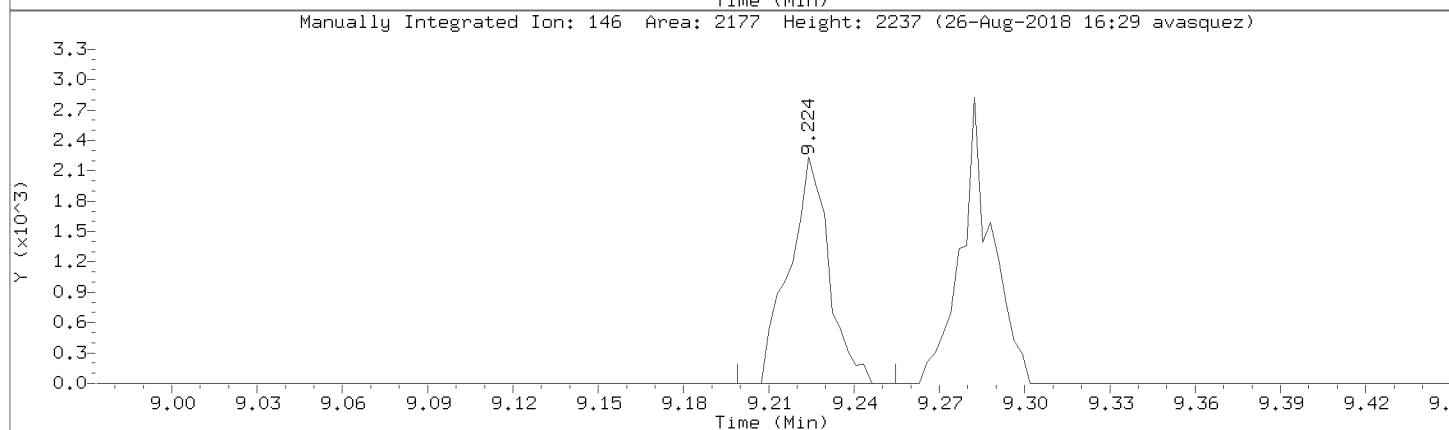
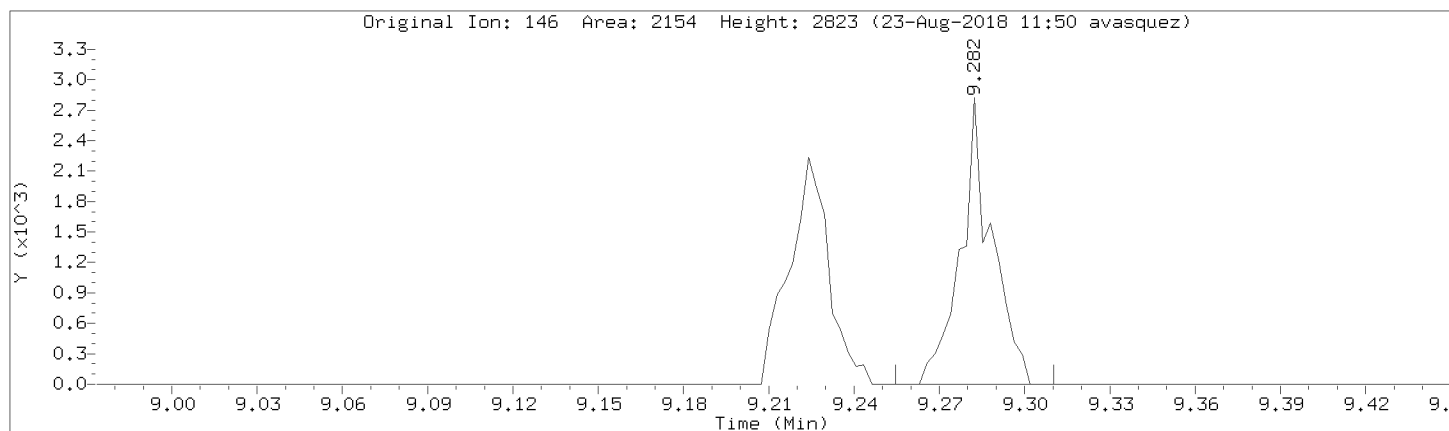
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Lab Sample ID: 8260-CAL1

Compound: 1,3-Dichlorobenzene

Review Code: WP

CAS Number: 541-73-1

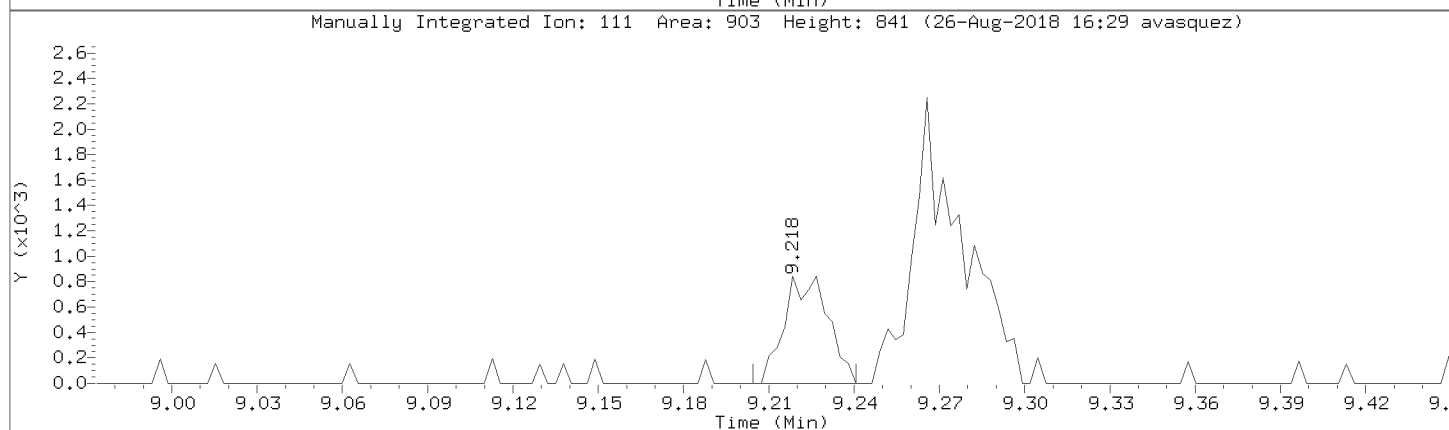
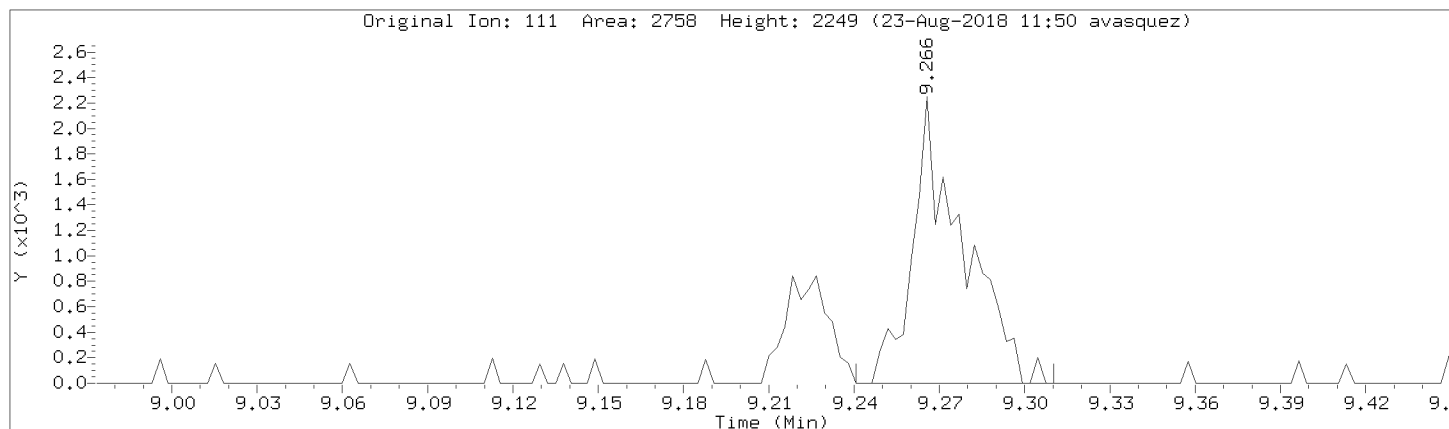


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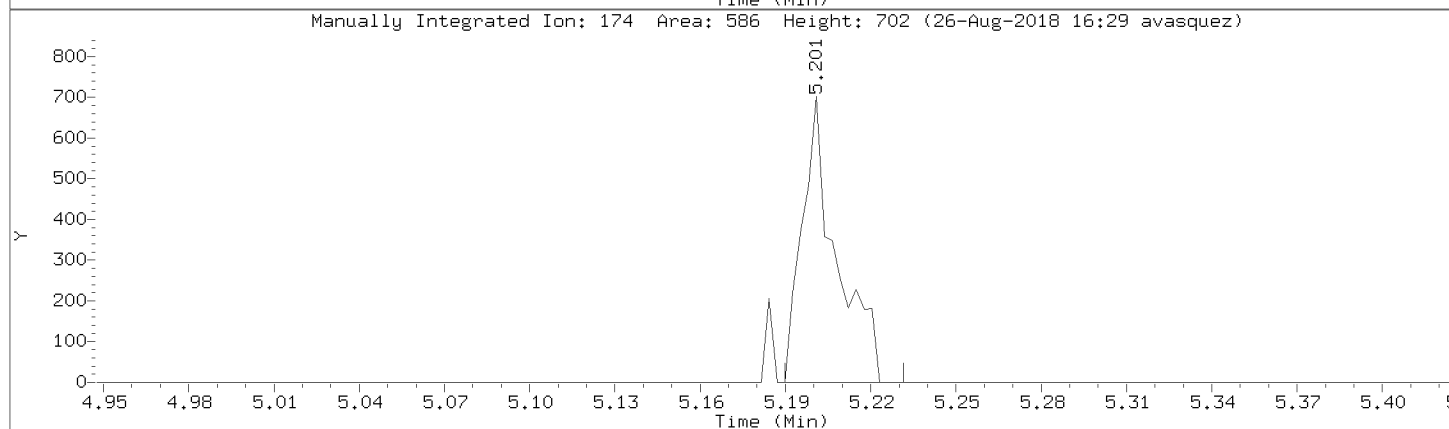
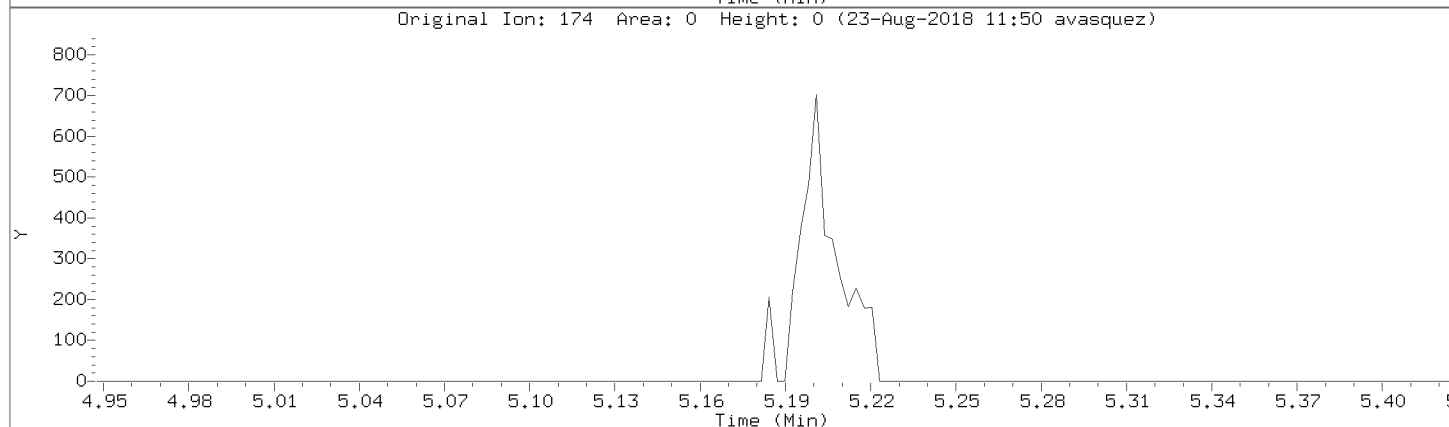
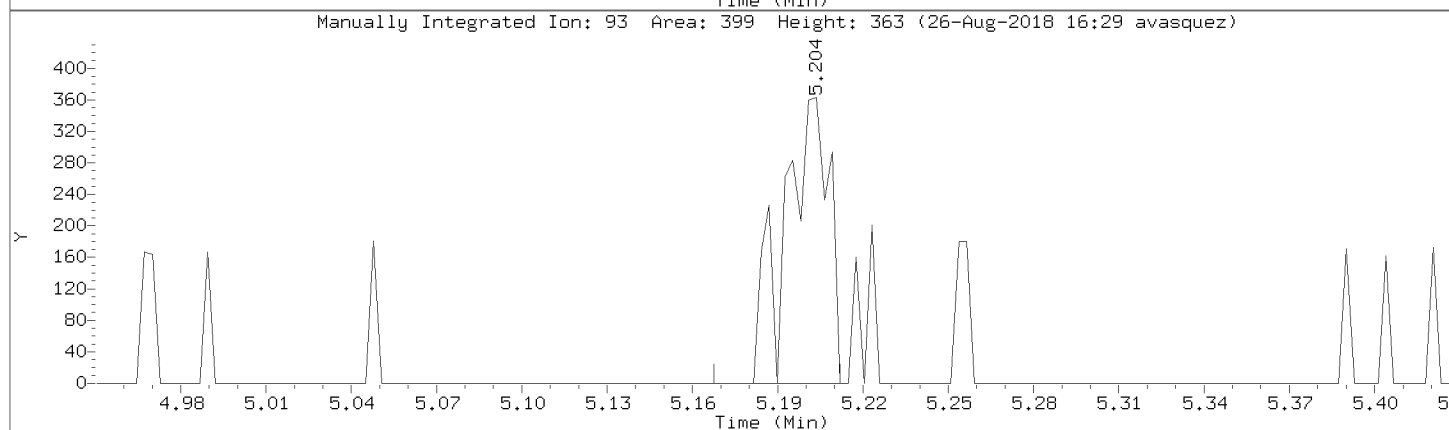
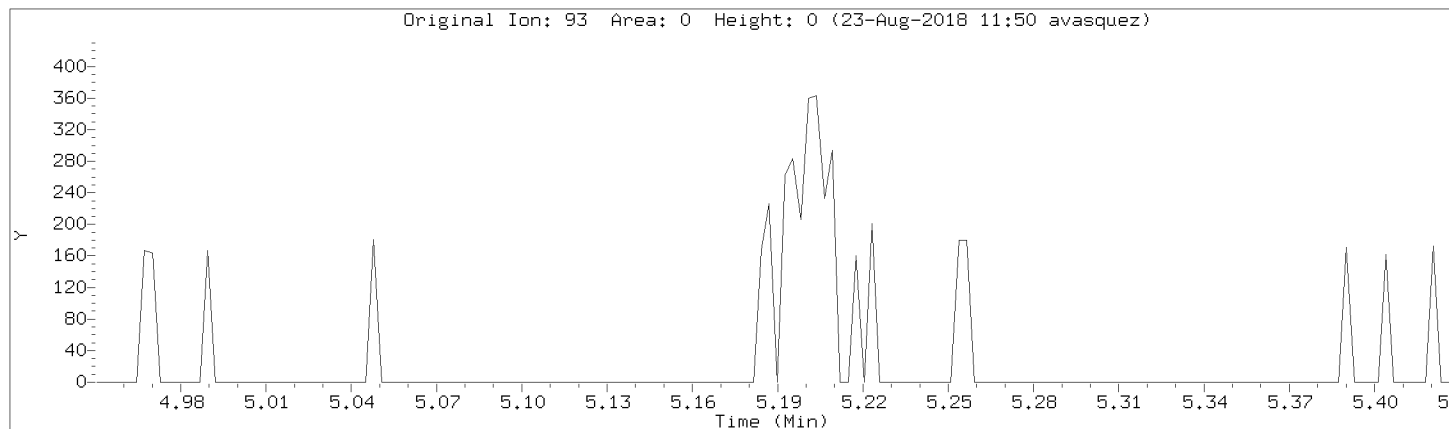
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Lab Sample ID: 8260-CAL1

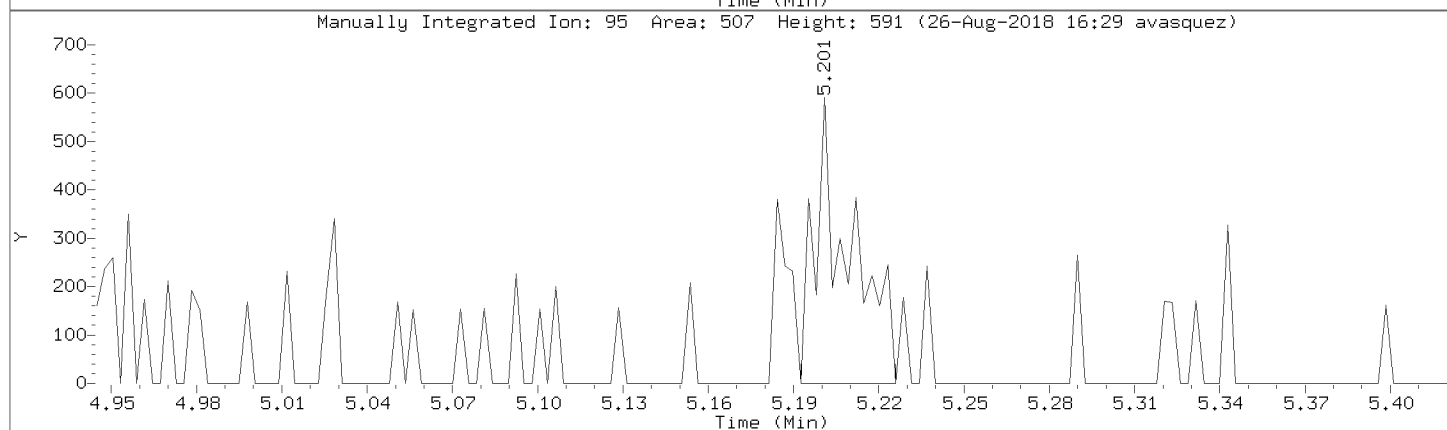
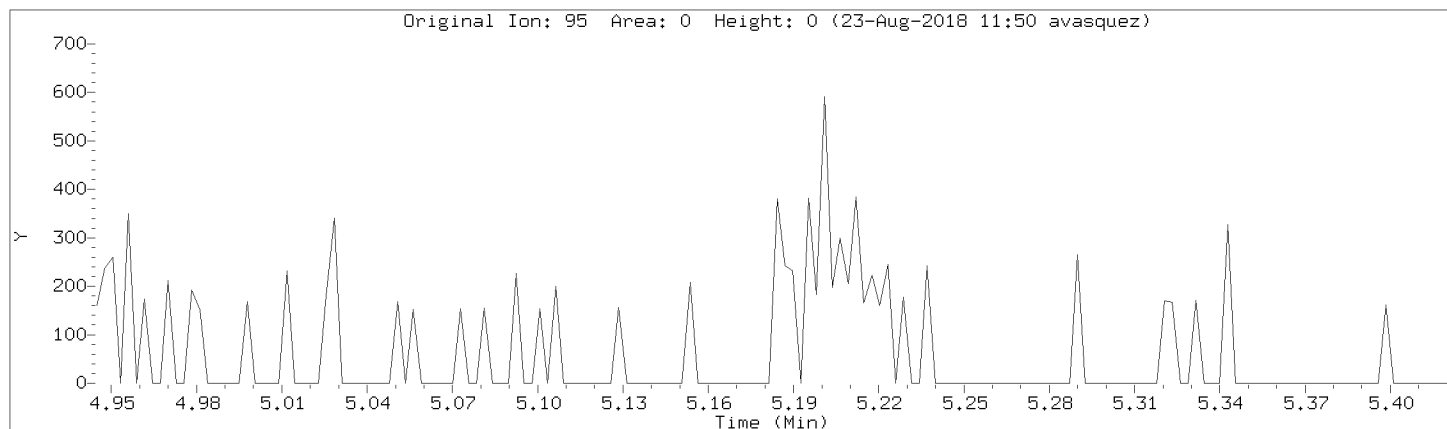


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: Dibromomethane Review Code: NI
CAS Number: 74-95-3



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



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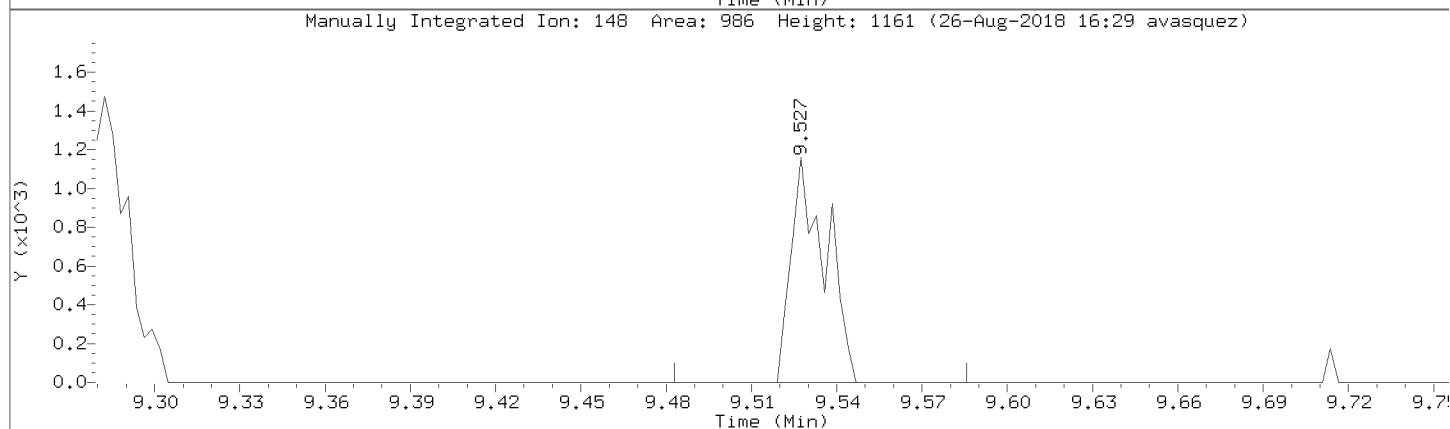
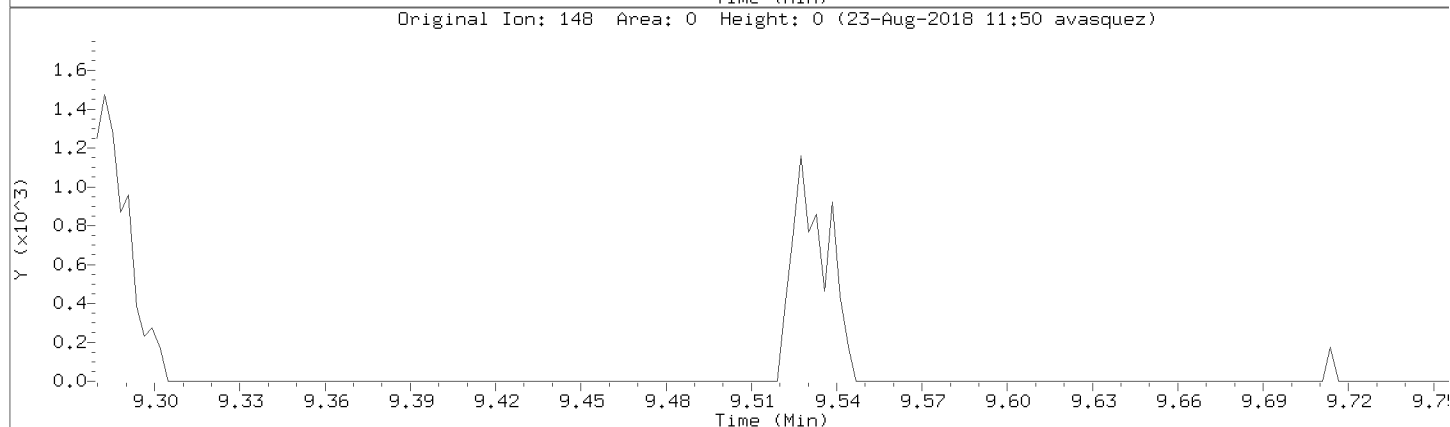
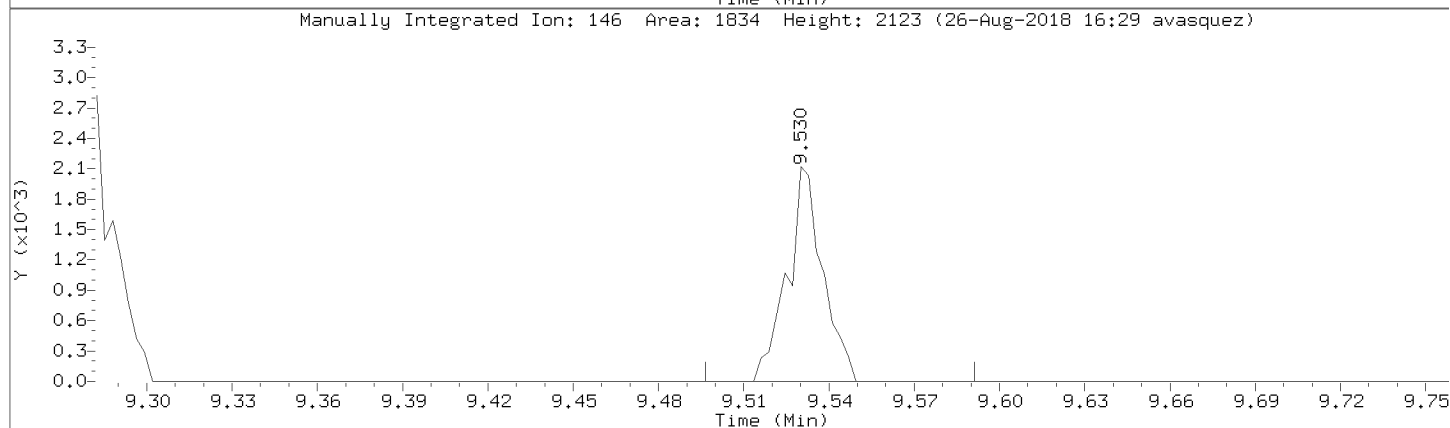
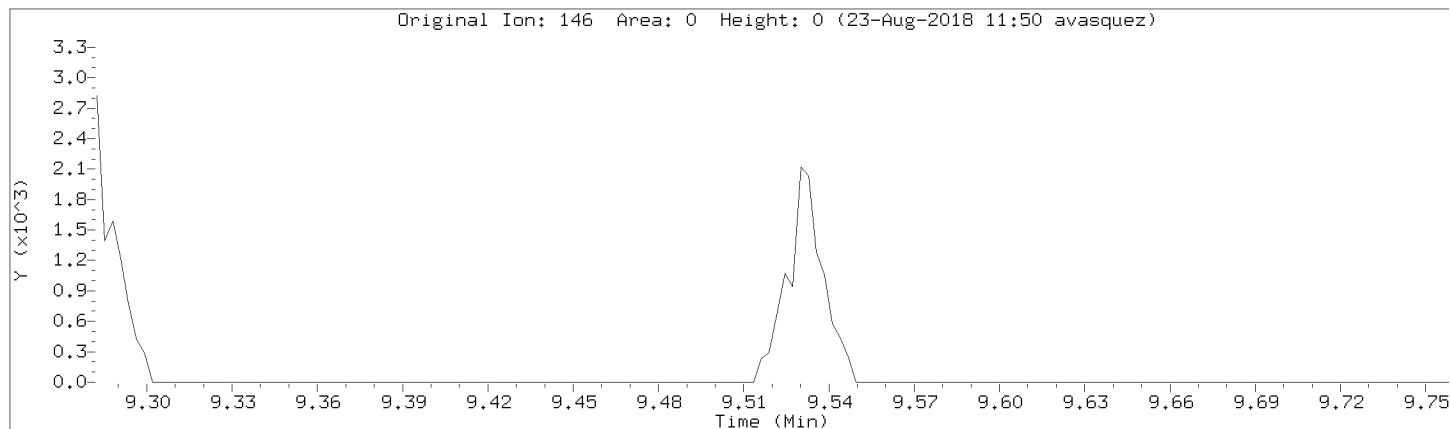
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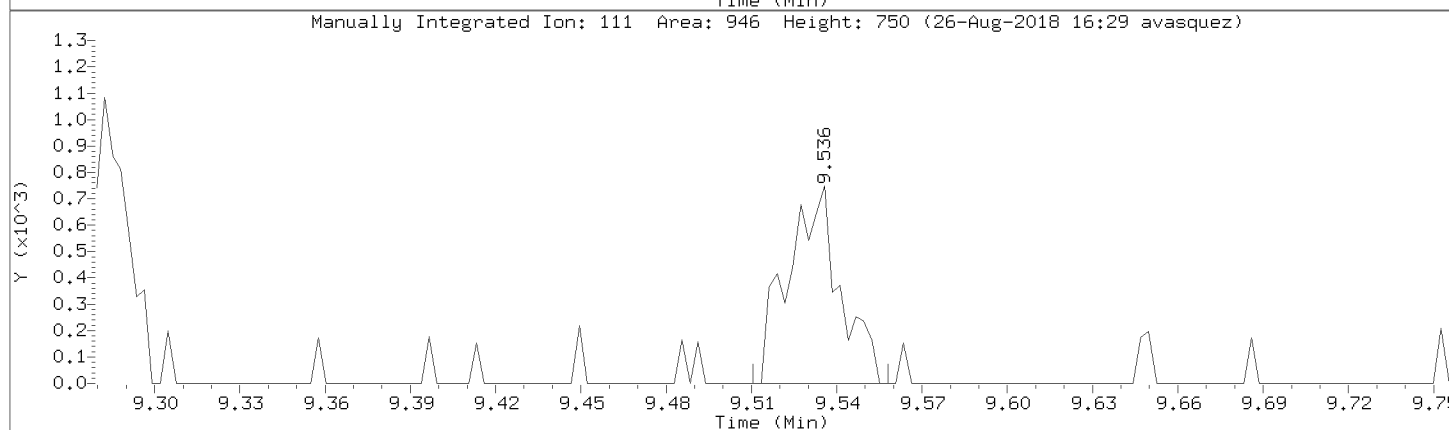
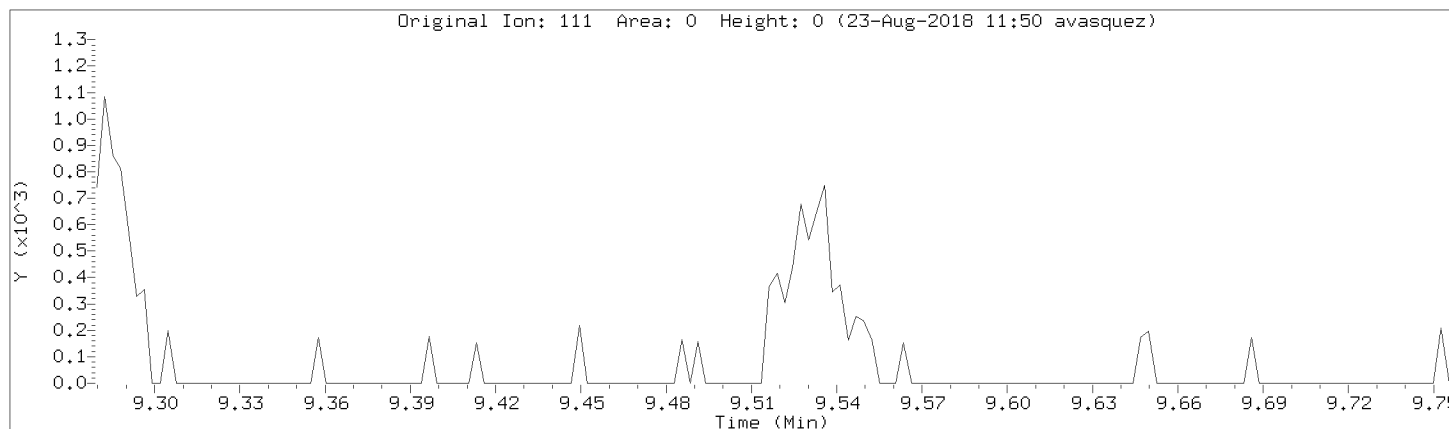
Compound: 1,2-Dichlorobenzene

Review Code: NI

CAS Number: 95-50-1



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



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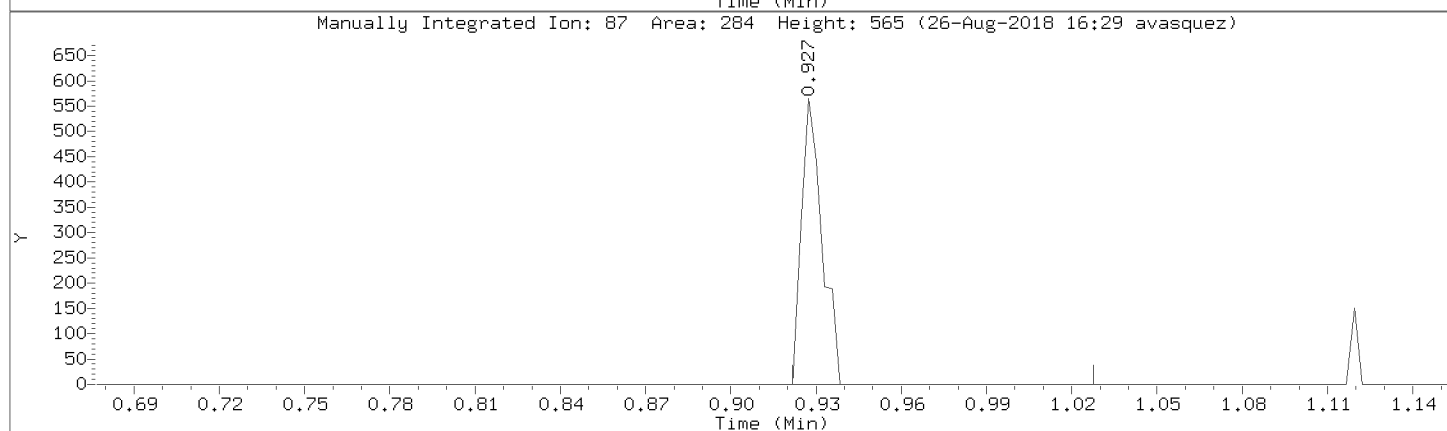
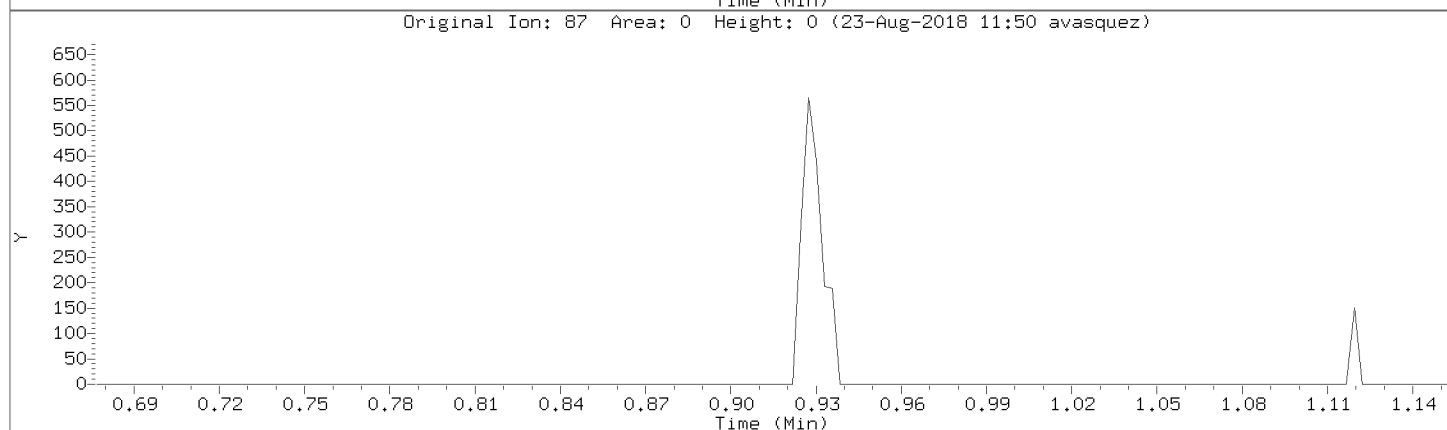
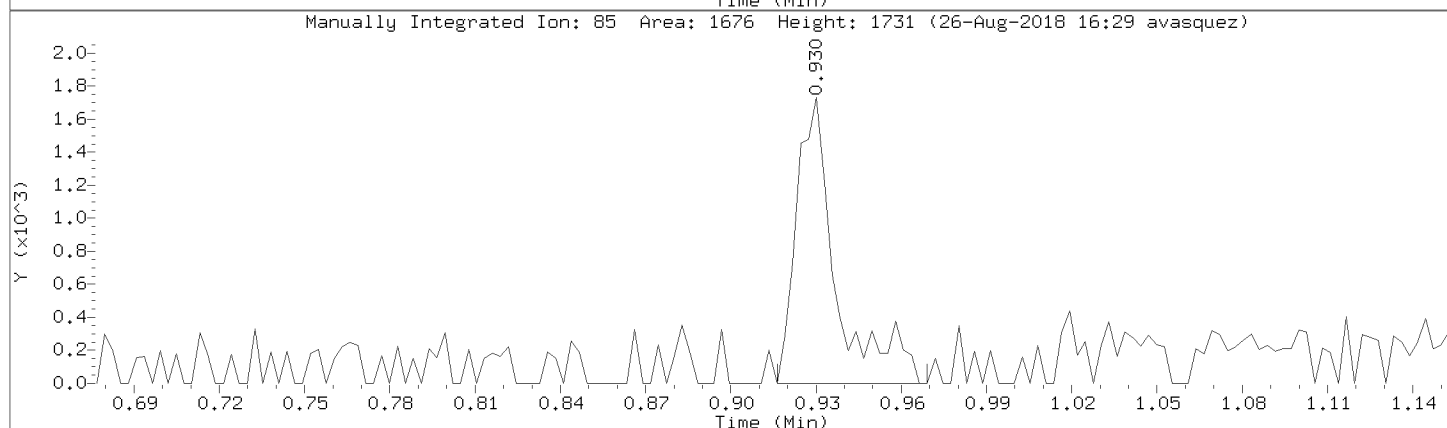
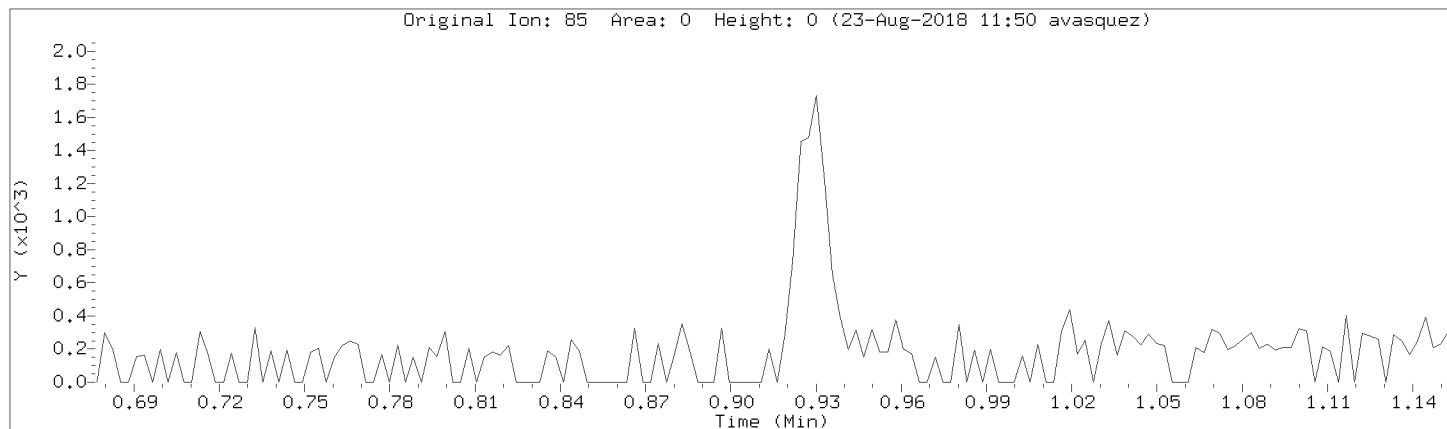
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Lab Sample ID: 8260-CAL1

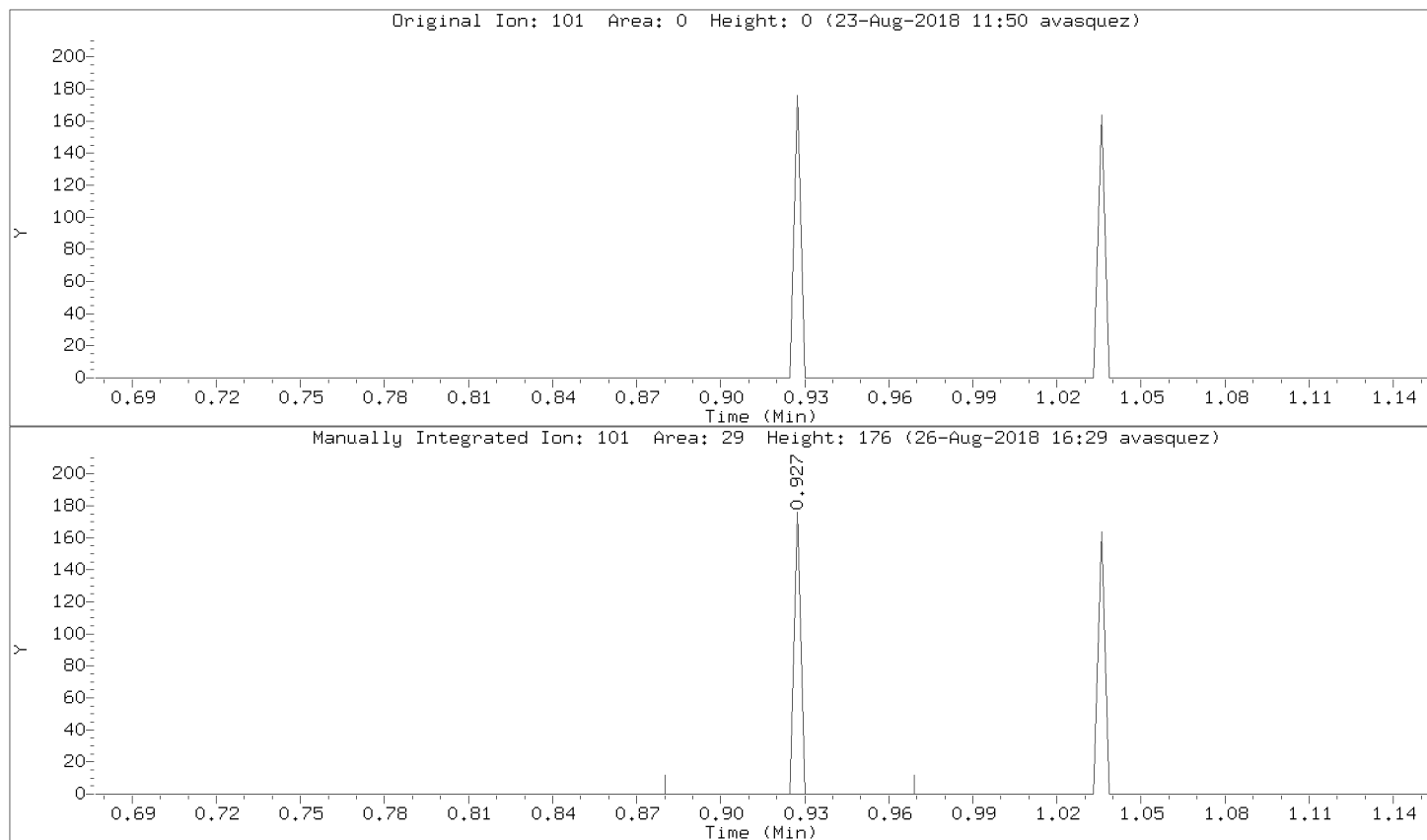
Compound: Dichlorodifluoromethane

Review Code: NI

CAS Number: 75-71-8

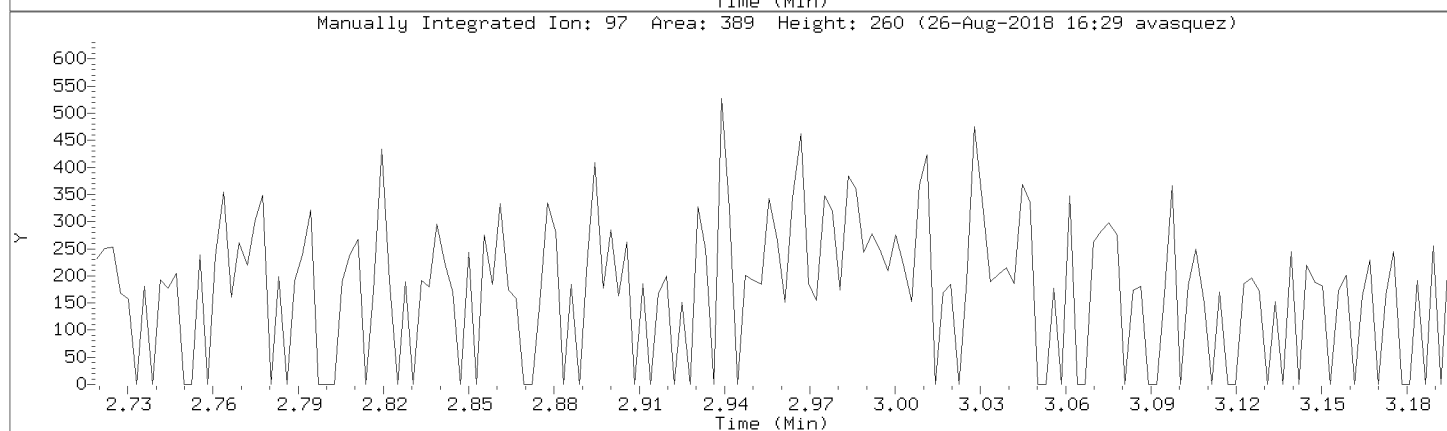
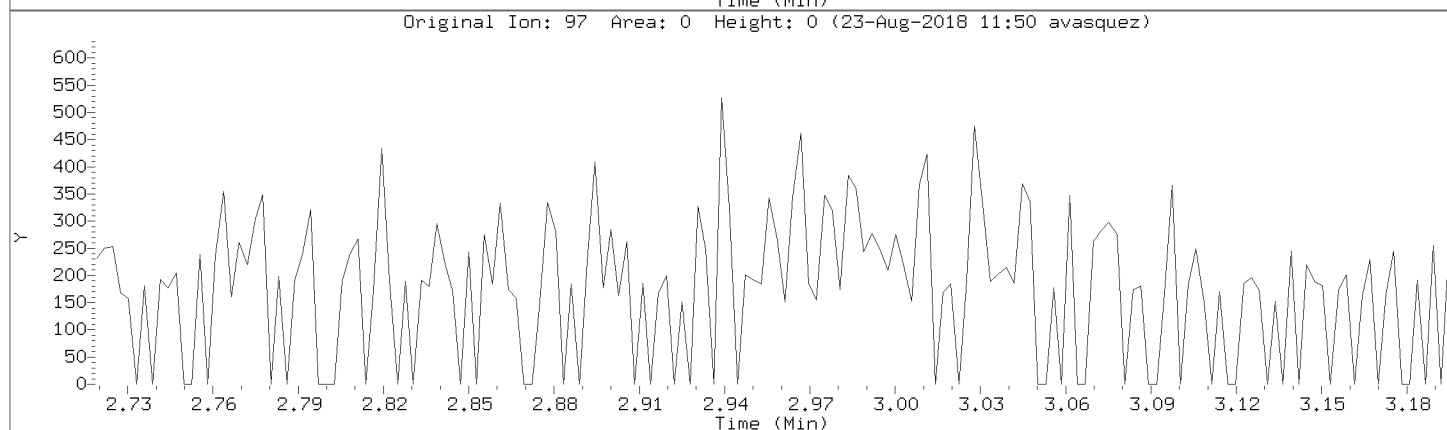
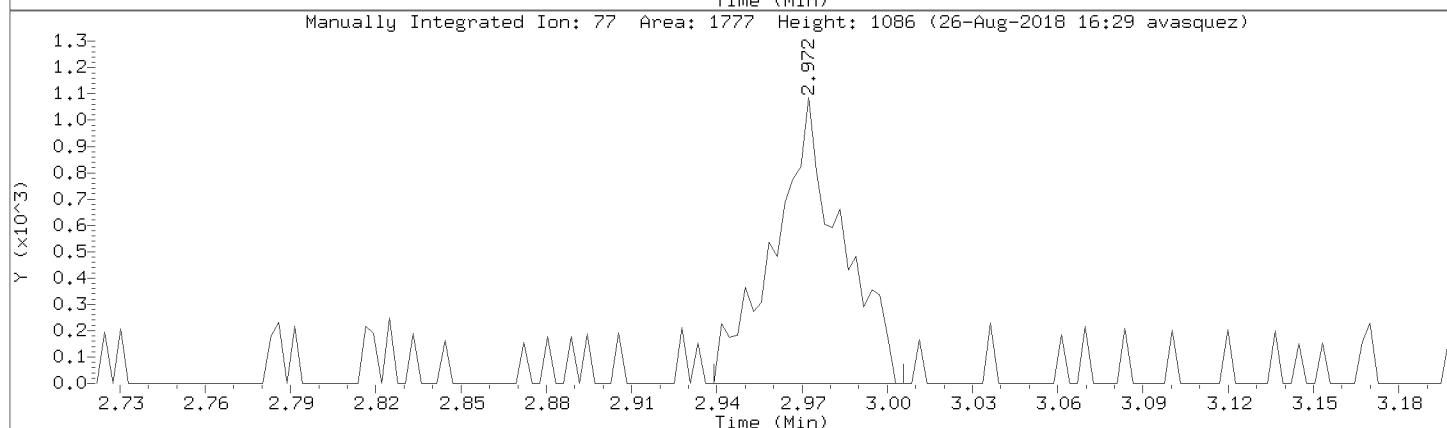
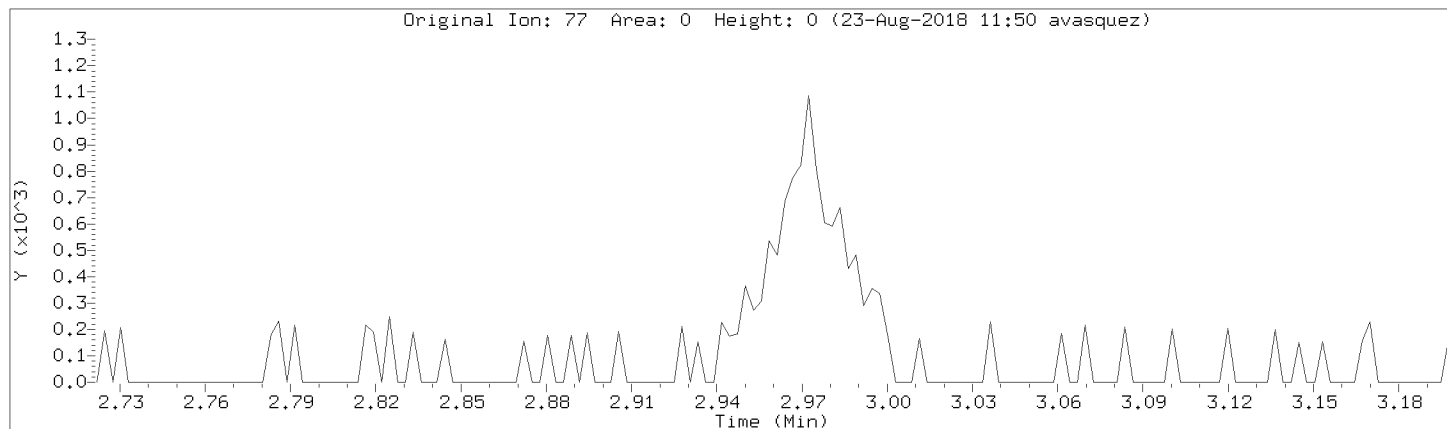


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: 2,2-Dichloropropane Review Code: NI
CAS Number: 594-20-7



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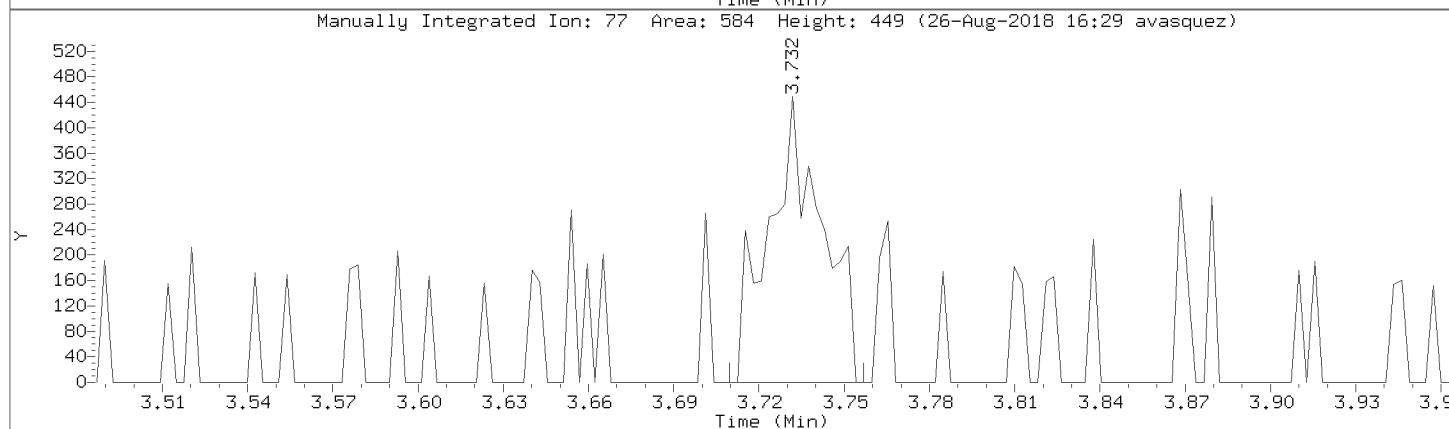
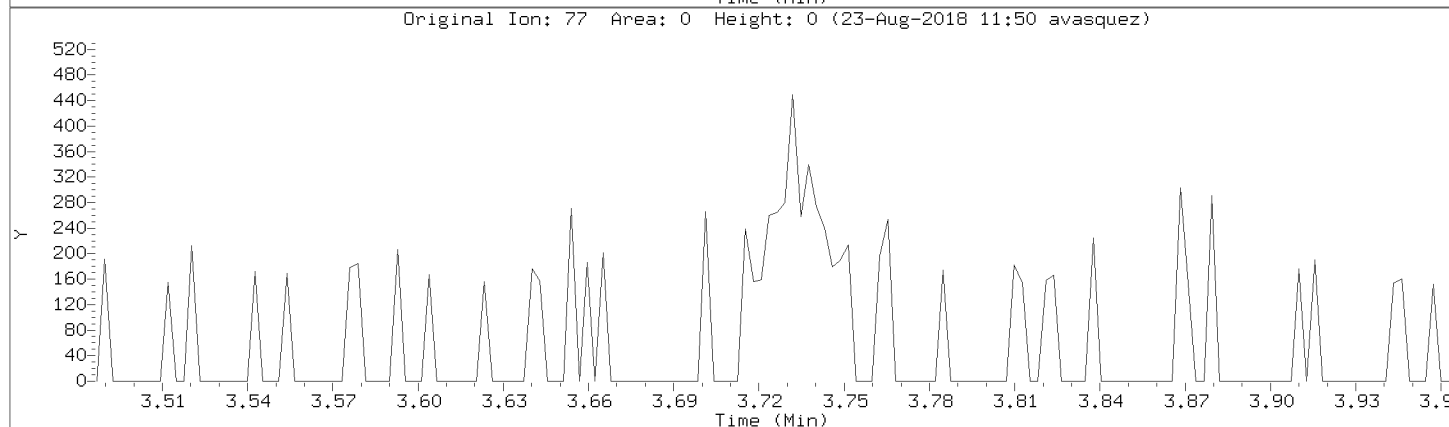
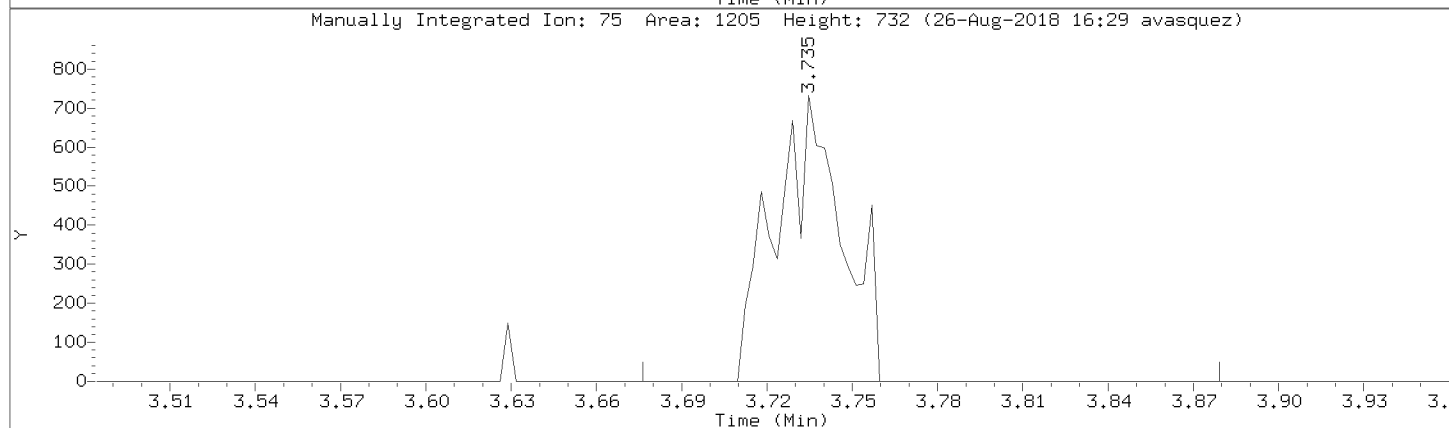
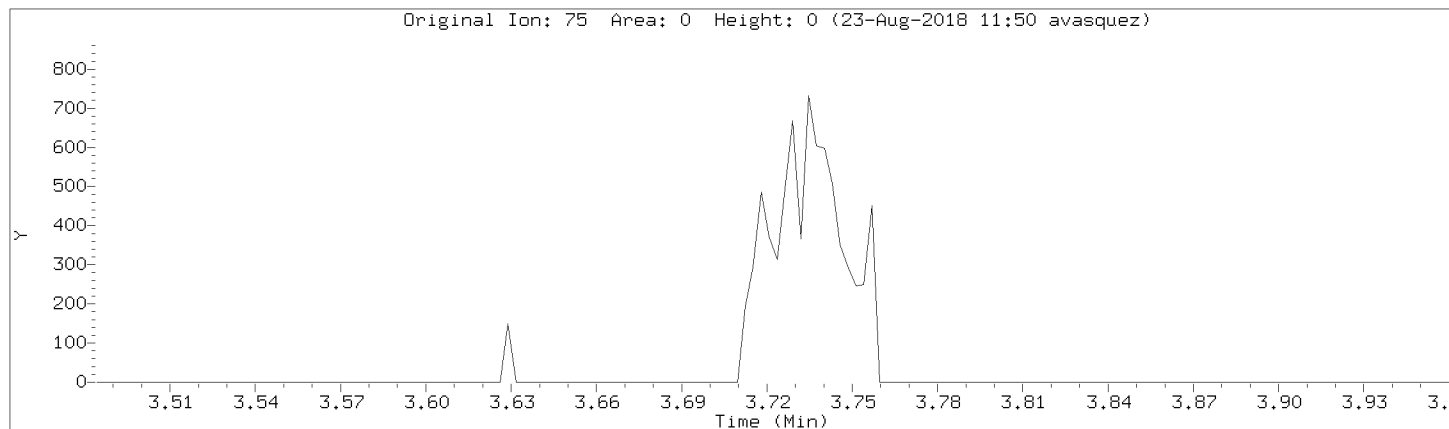
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

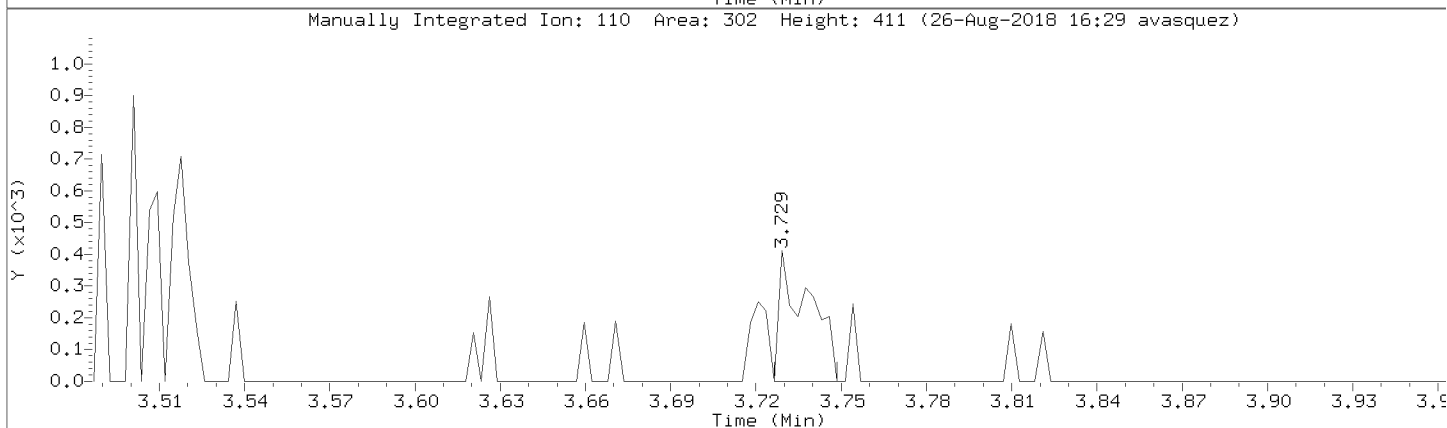
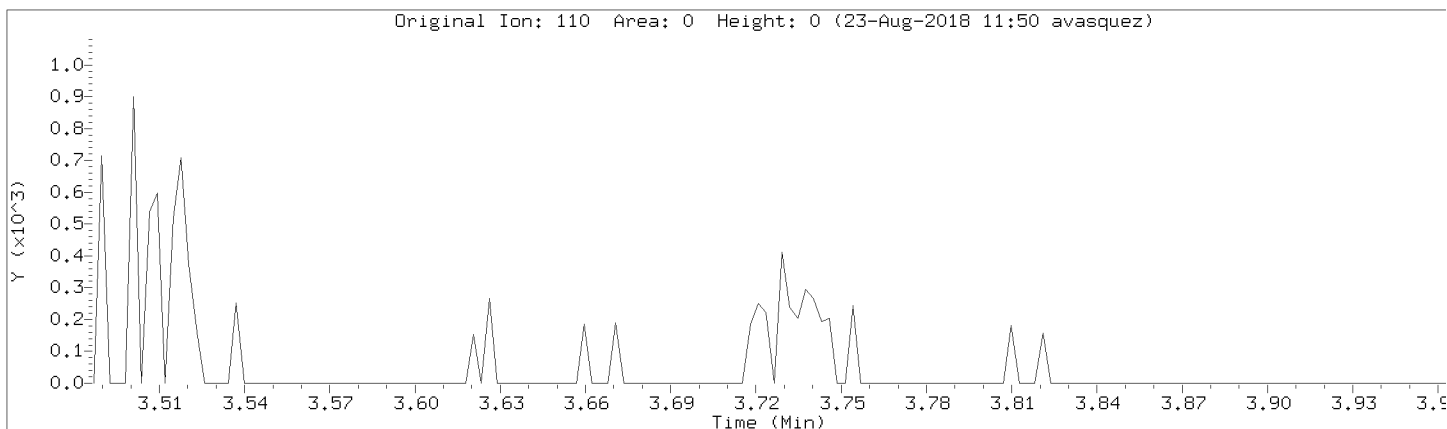
Compound: 1,1-Dichloropropene

Review Code: NI

CAS Number: 563-58-6

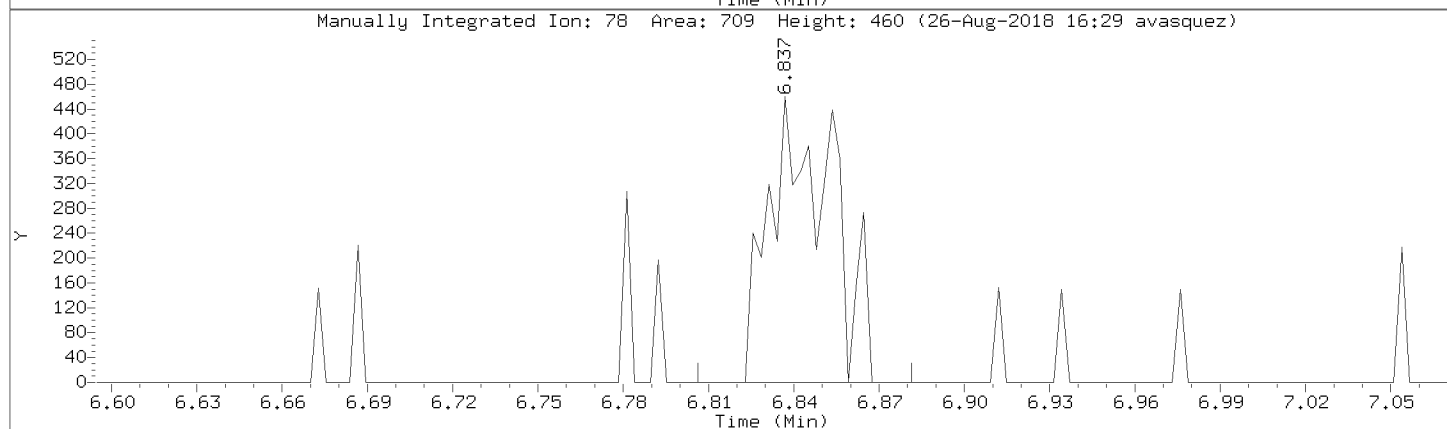
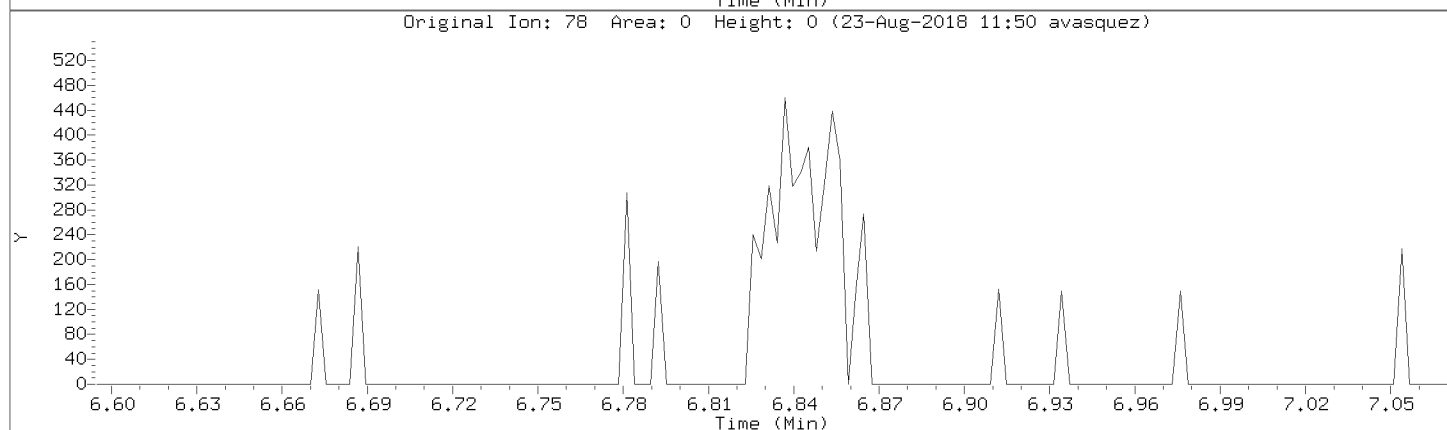
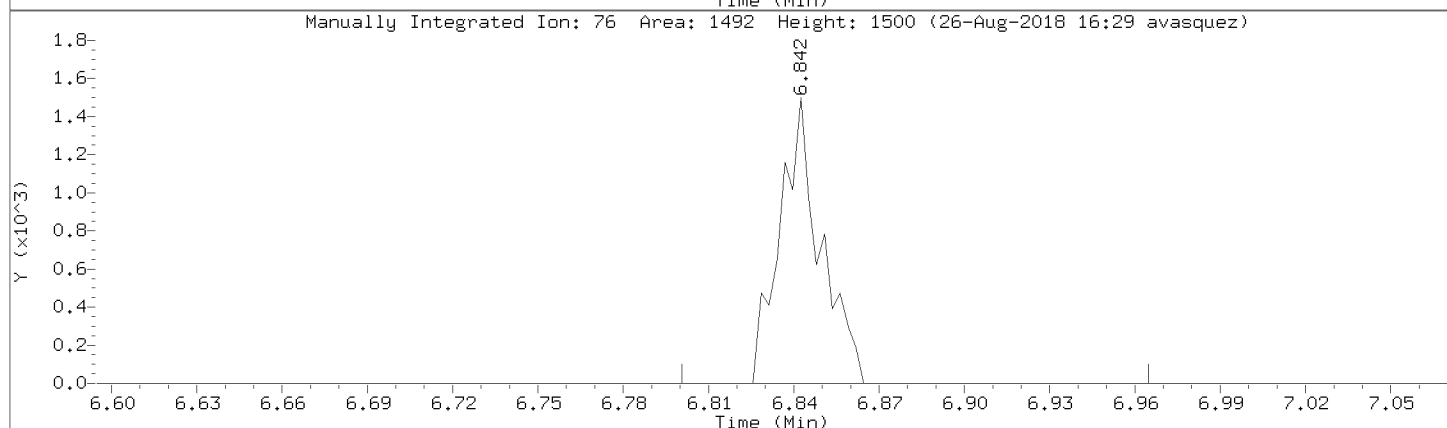
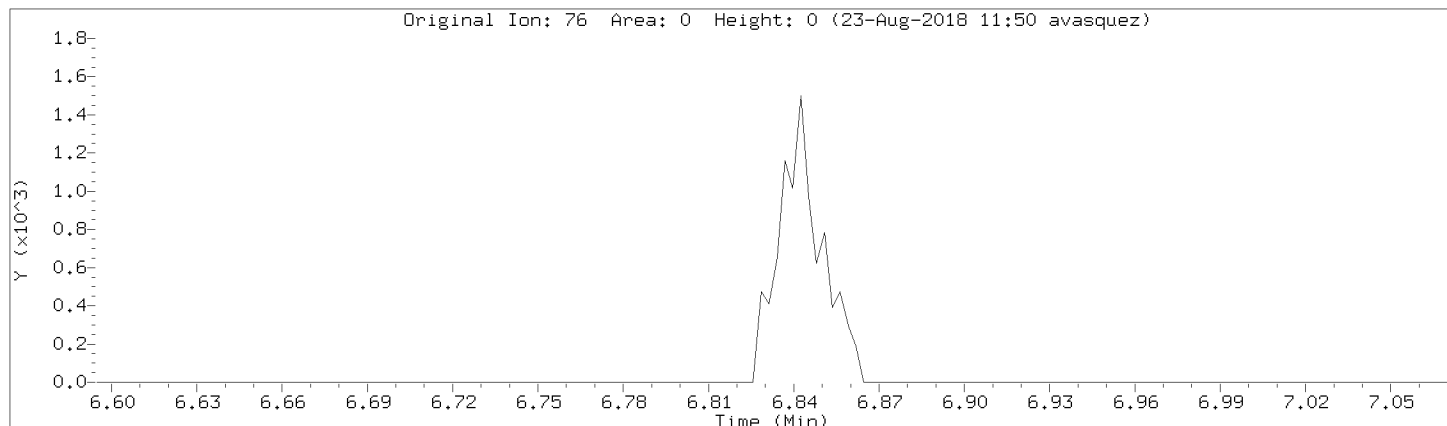


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: 1,3-Dichloropropane Review Code: NI
CAS Number: 142-28-9



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\02cal.d

Injection Date: 22-AUG-2018 14:19

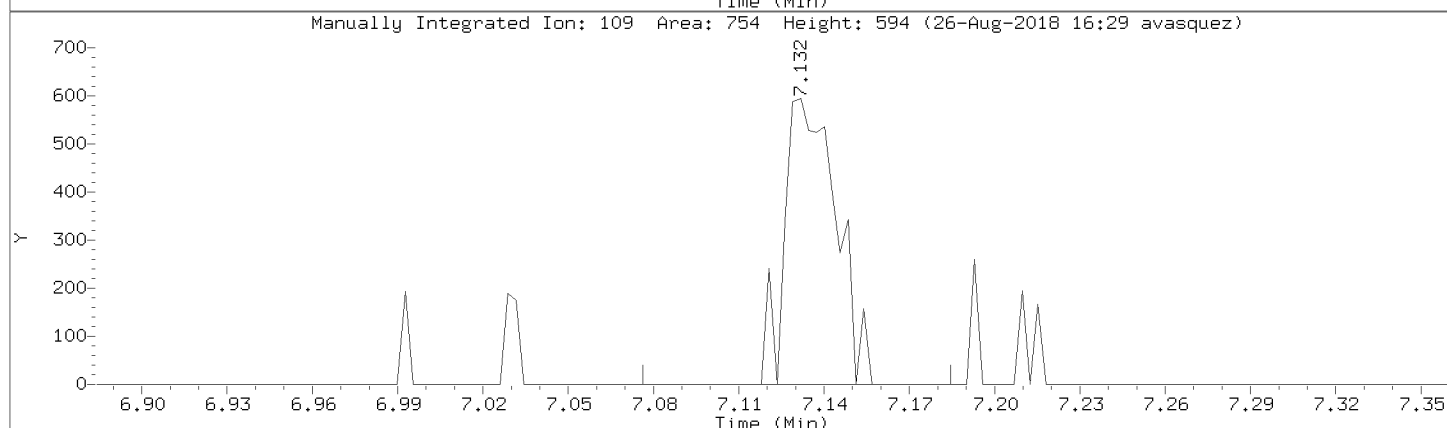
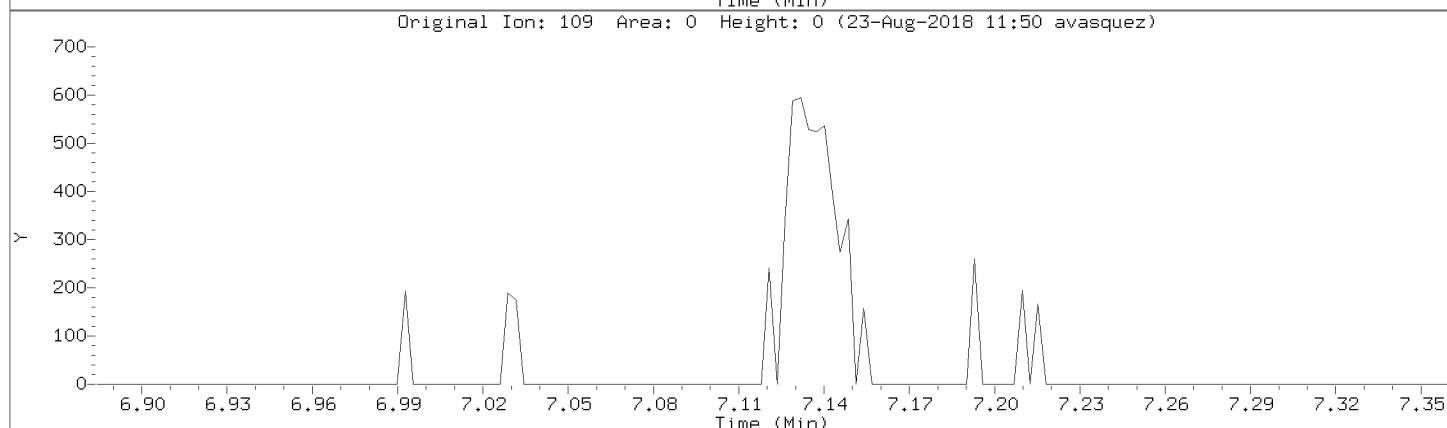
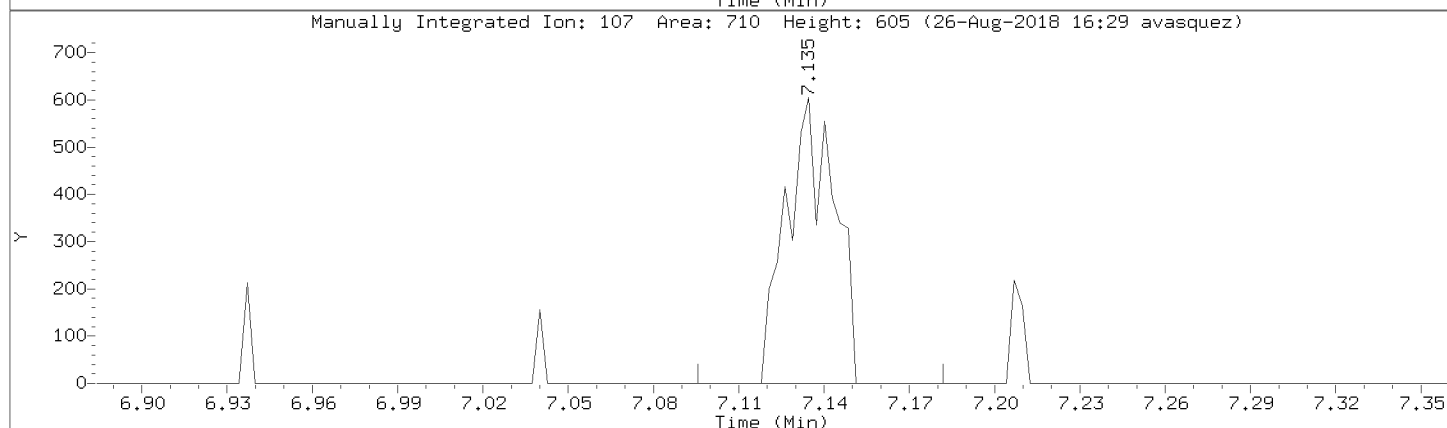
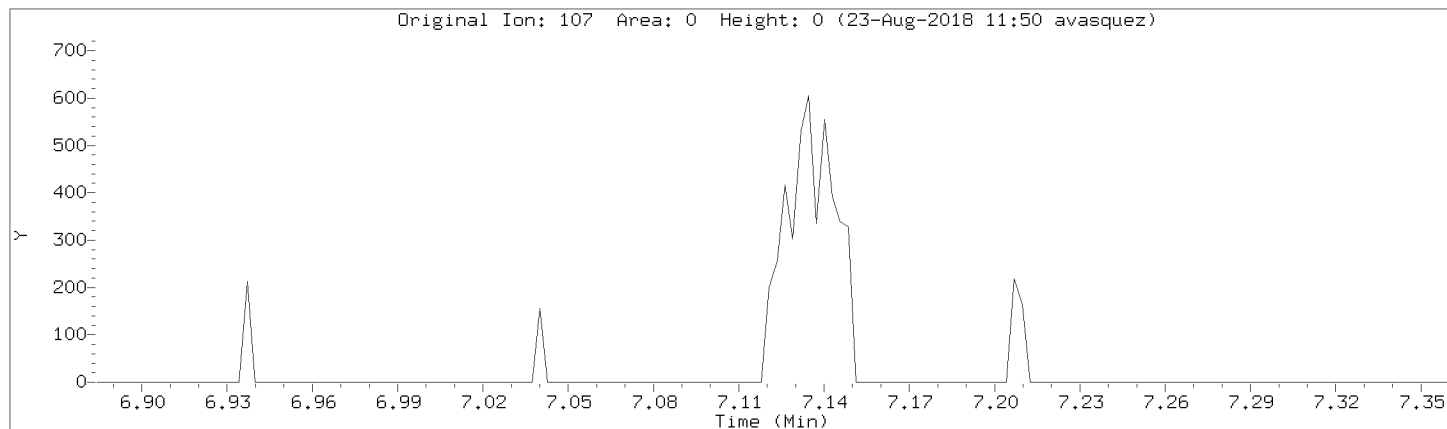
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: 1,2-Dibromoethane

Review Code: NI

CAS Number: 106-93-4



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b/a02cal.d

Injection Date: 22-AUG-2018 14:19

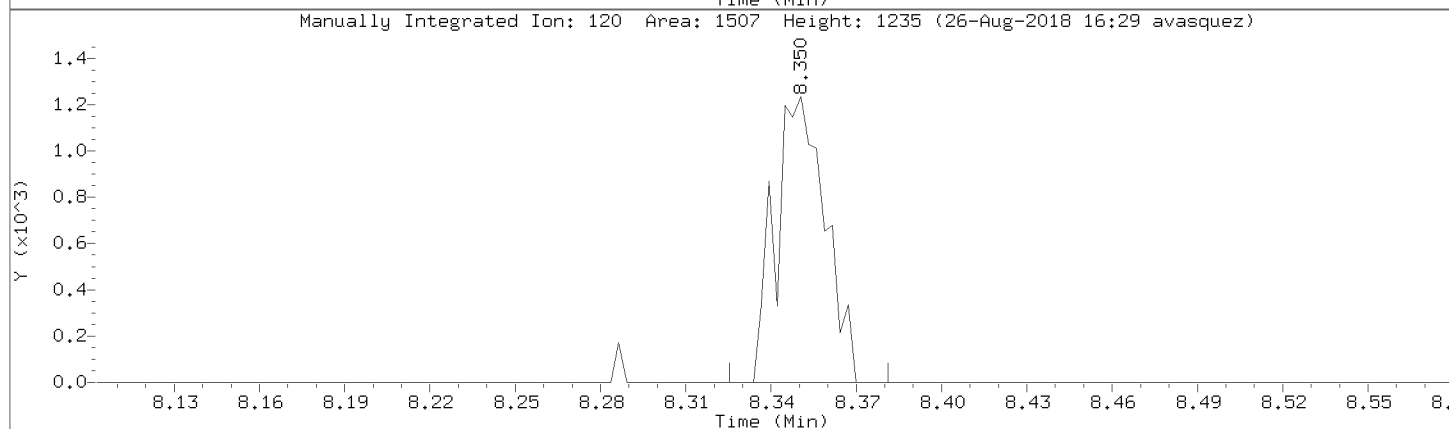
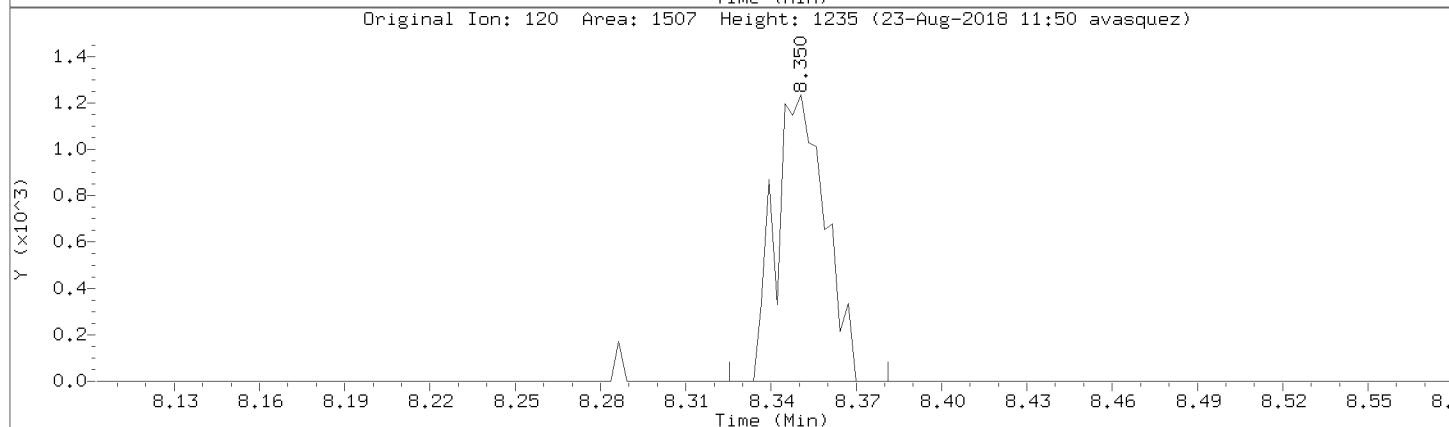
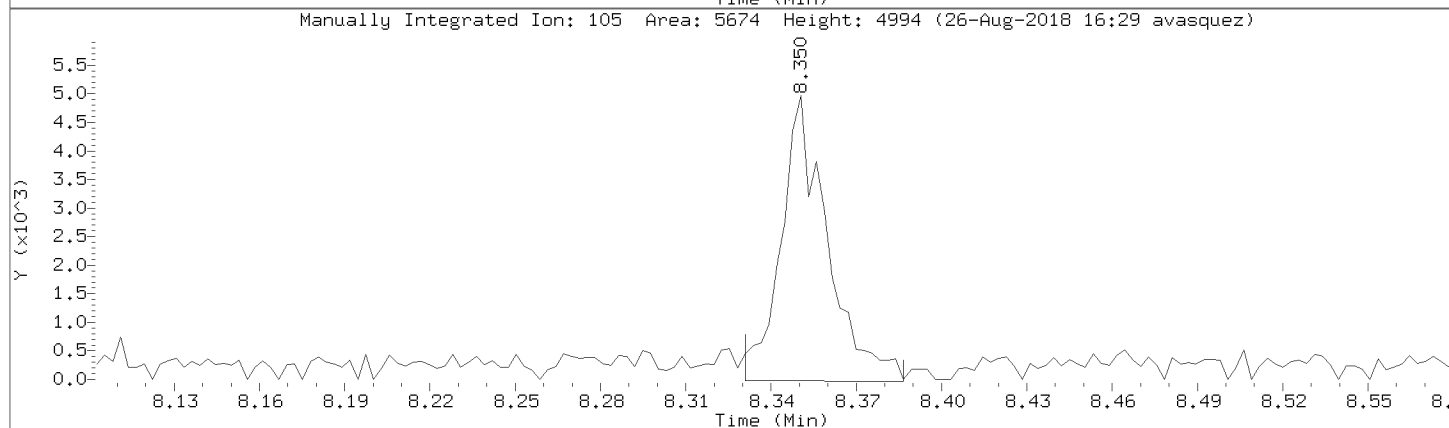
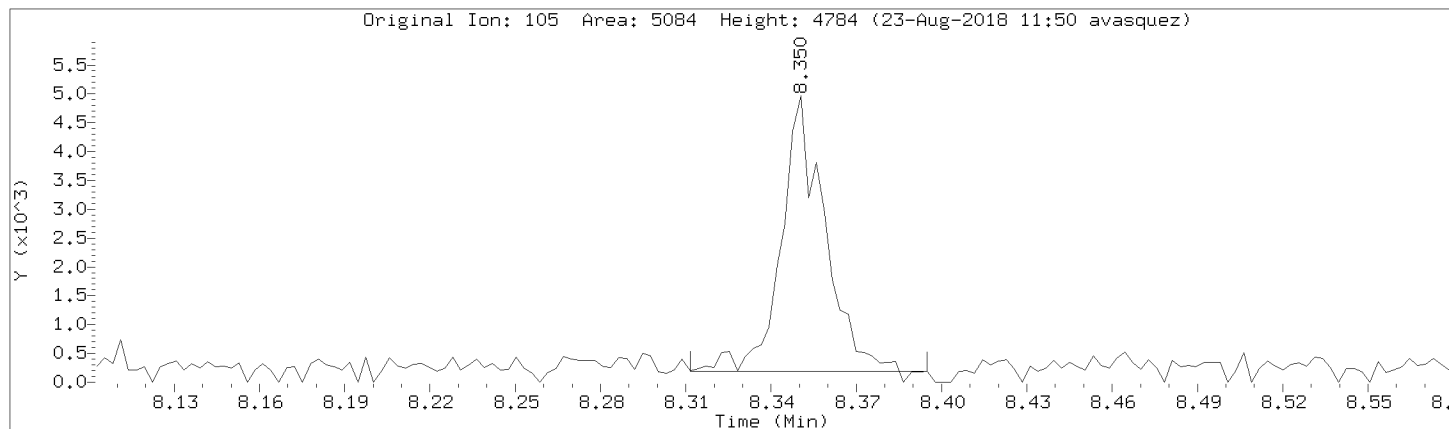
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Isopropylbenzene

Review Code: NI

CAS Number: 98-82-8



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d

Injection Date: 22-AUG-2018 14:19

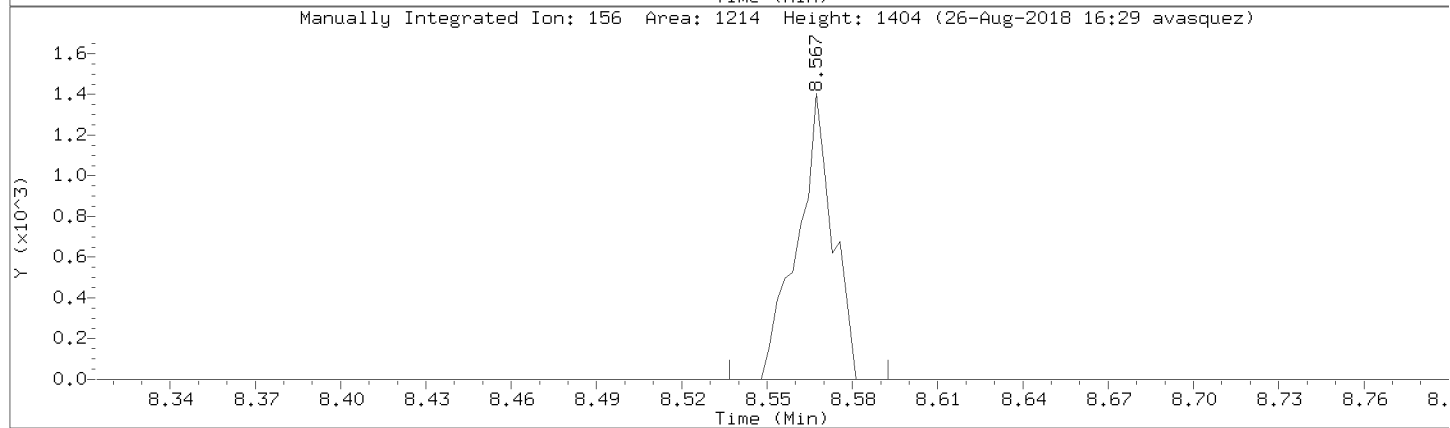
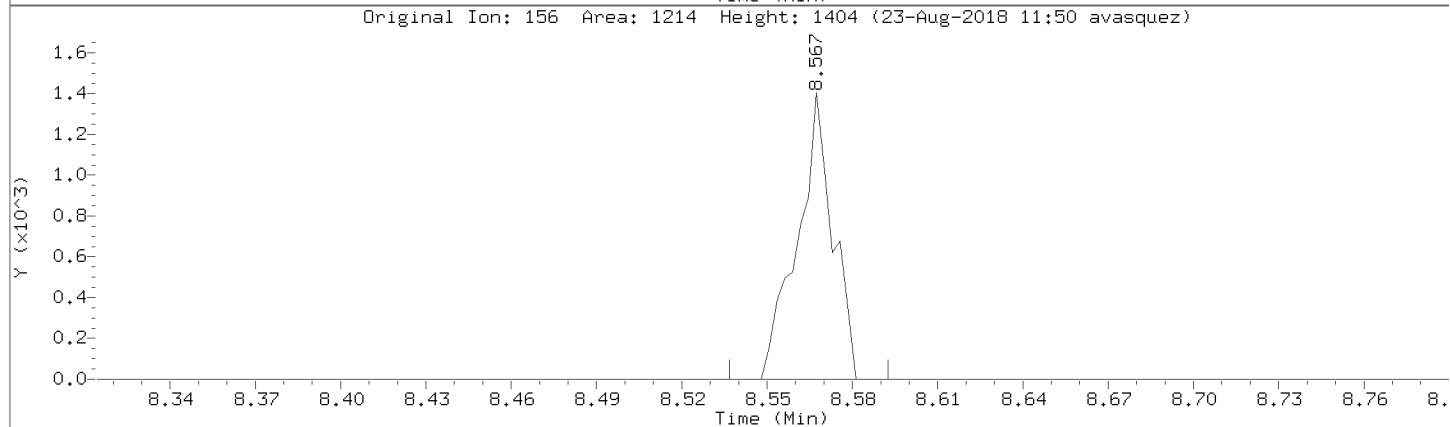
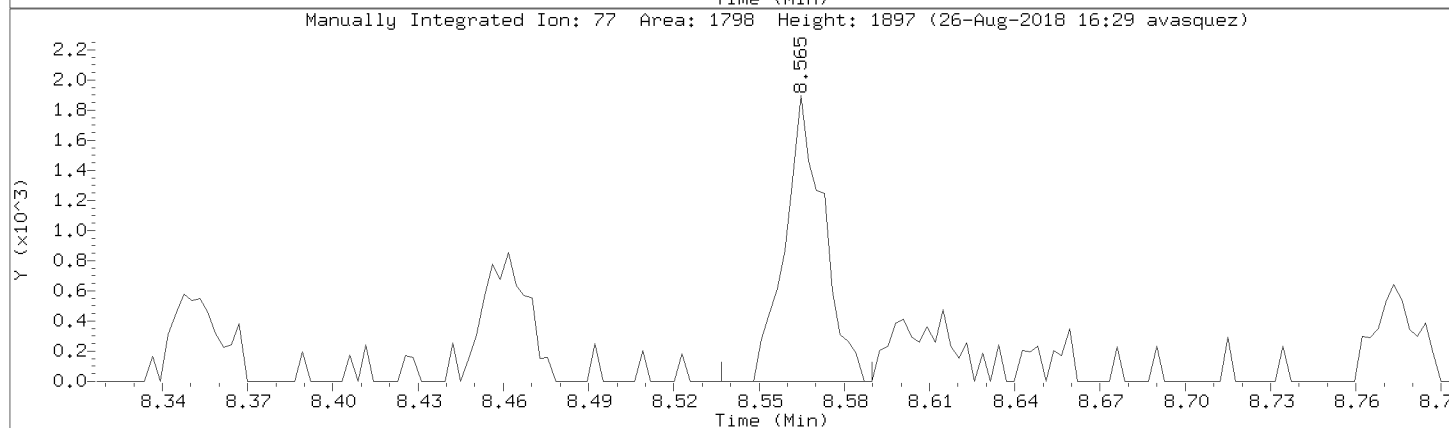
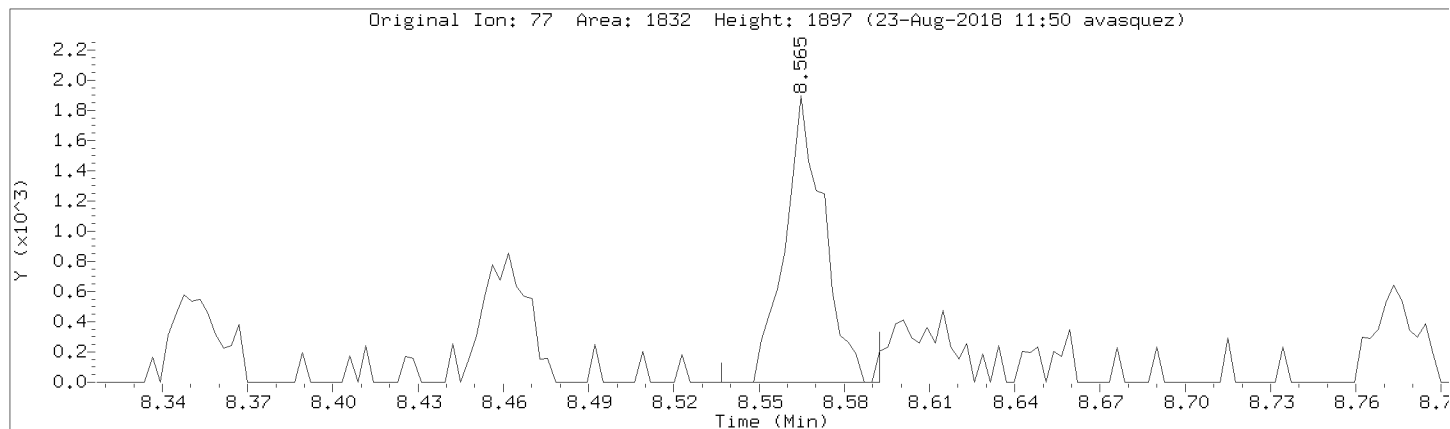
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Bromobenzene

Review Code: GT

CAS Number: 108-86-1

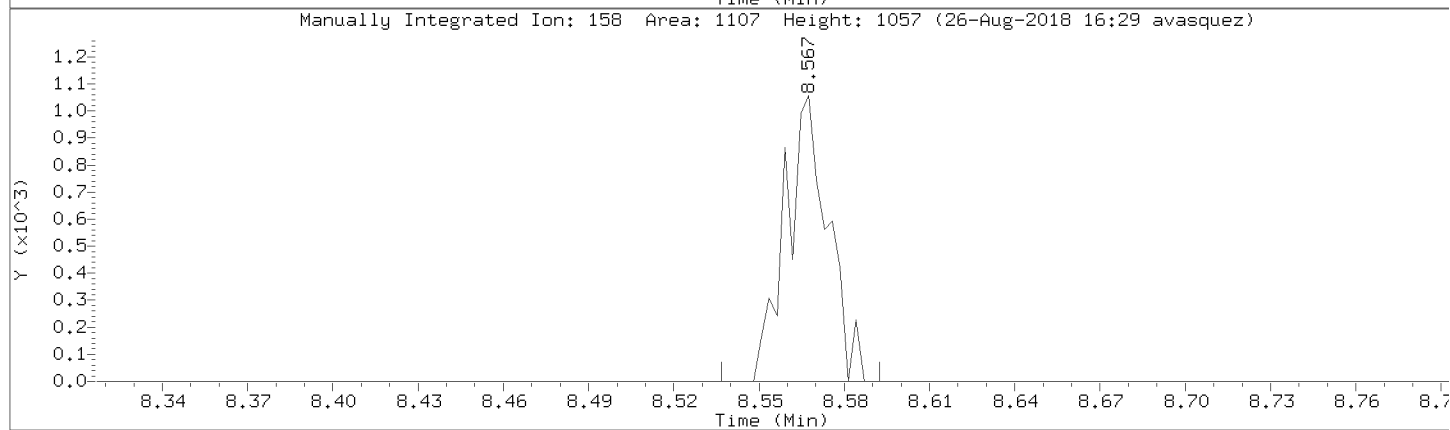
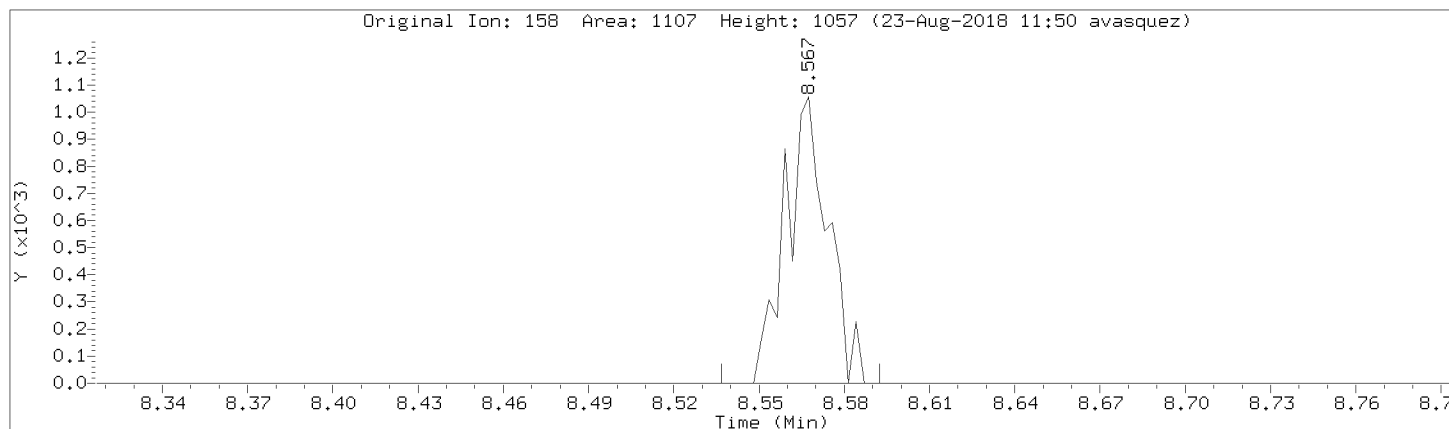


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d

Injection Date: 22-AUG-2018 14:19

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d

Injection Date: 22-AUG-2018 14:19

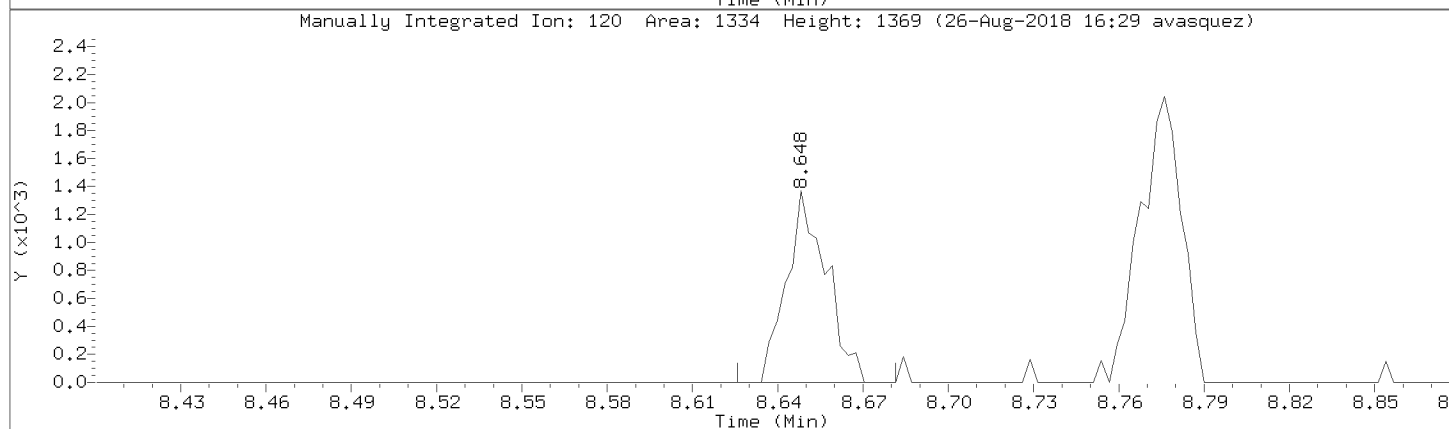
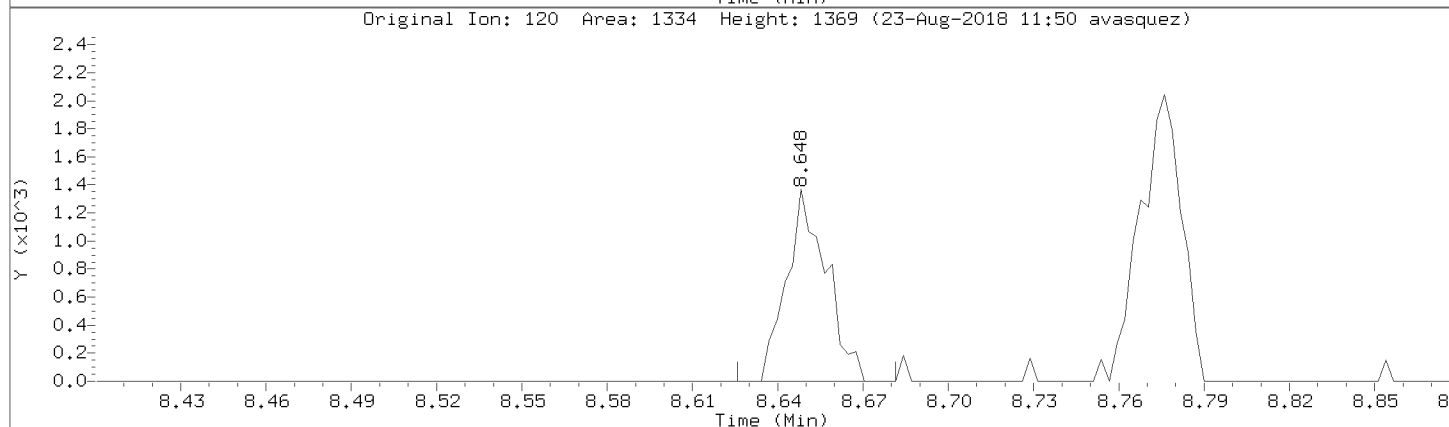
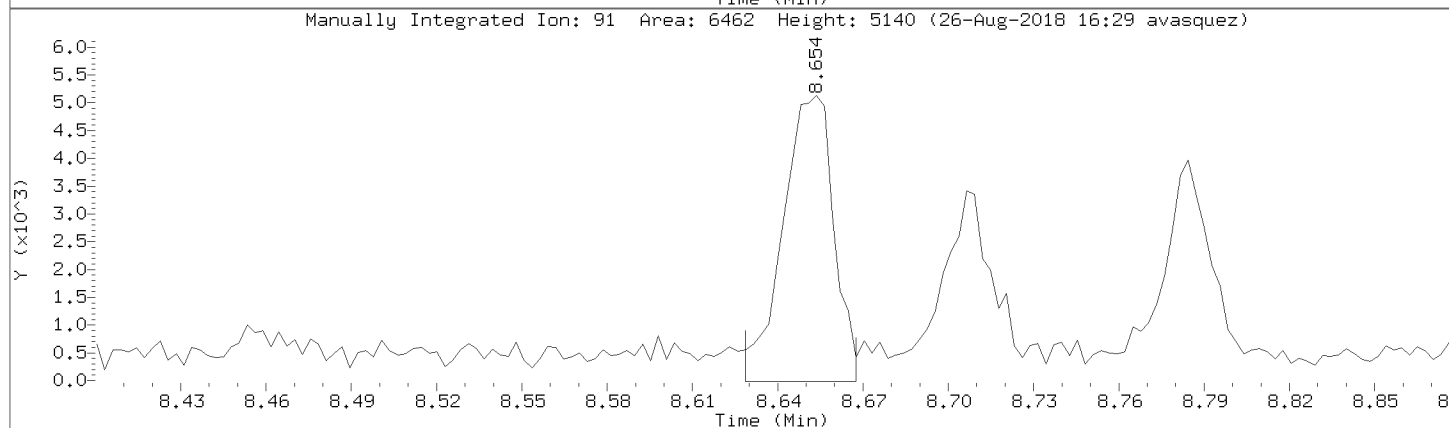
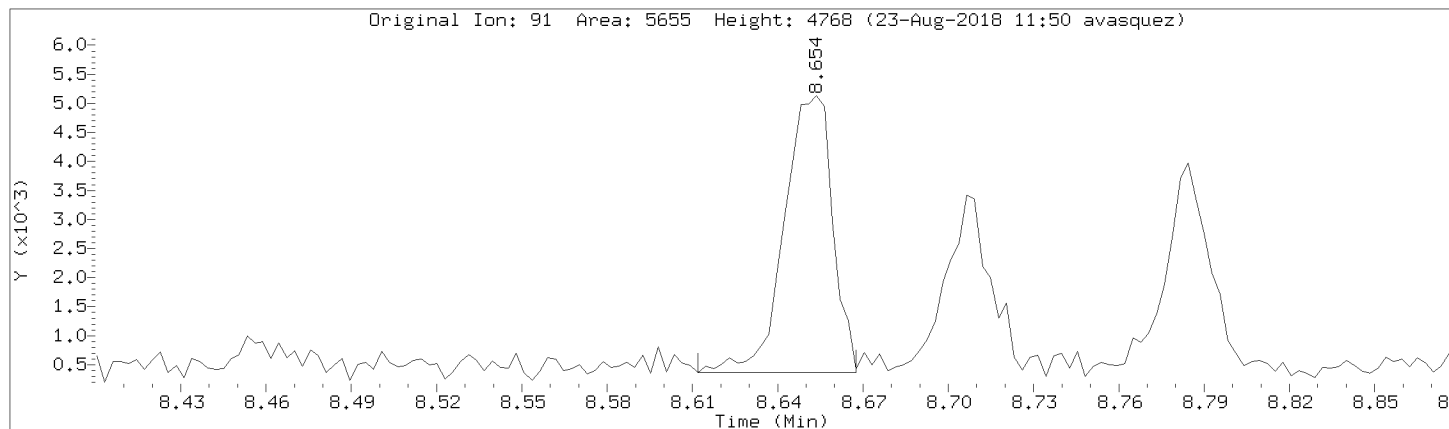
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: n-Propylbenzene

Review Code: NI

CAS Number: 103-65-1



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Injection Date: 22-AUG-2018 14:19

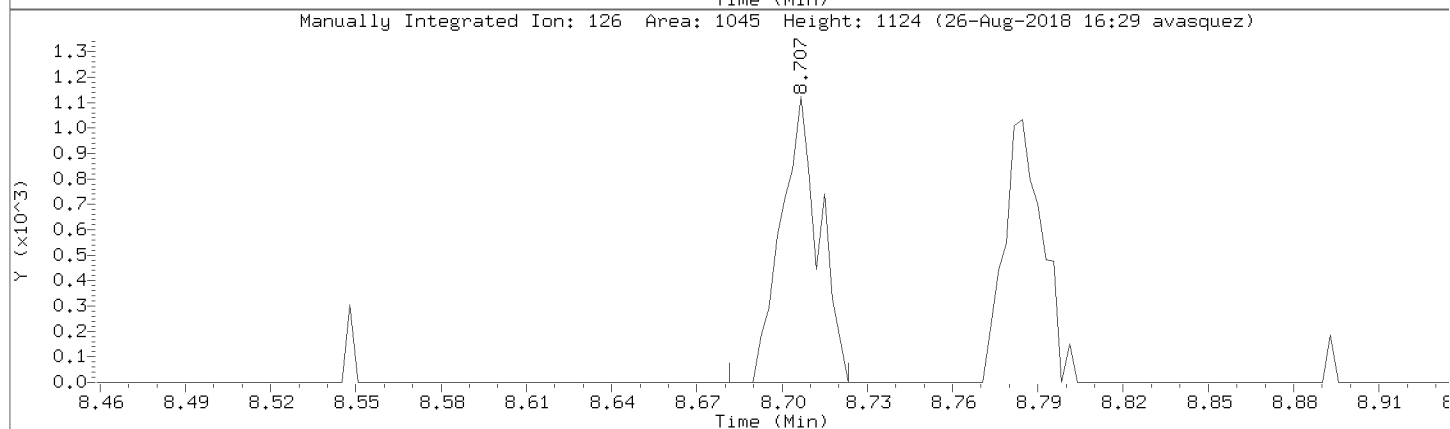
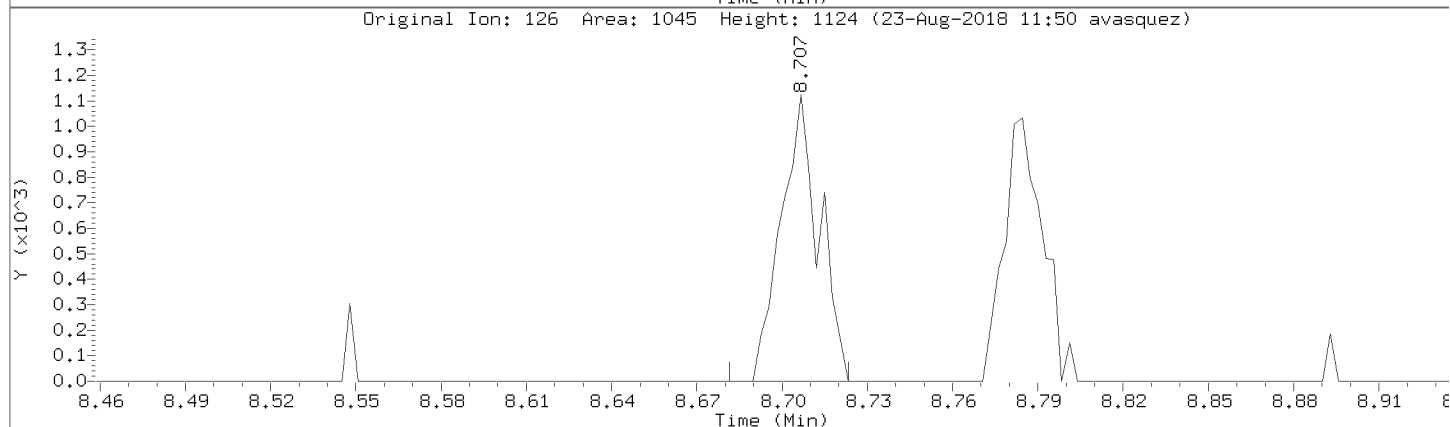
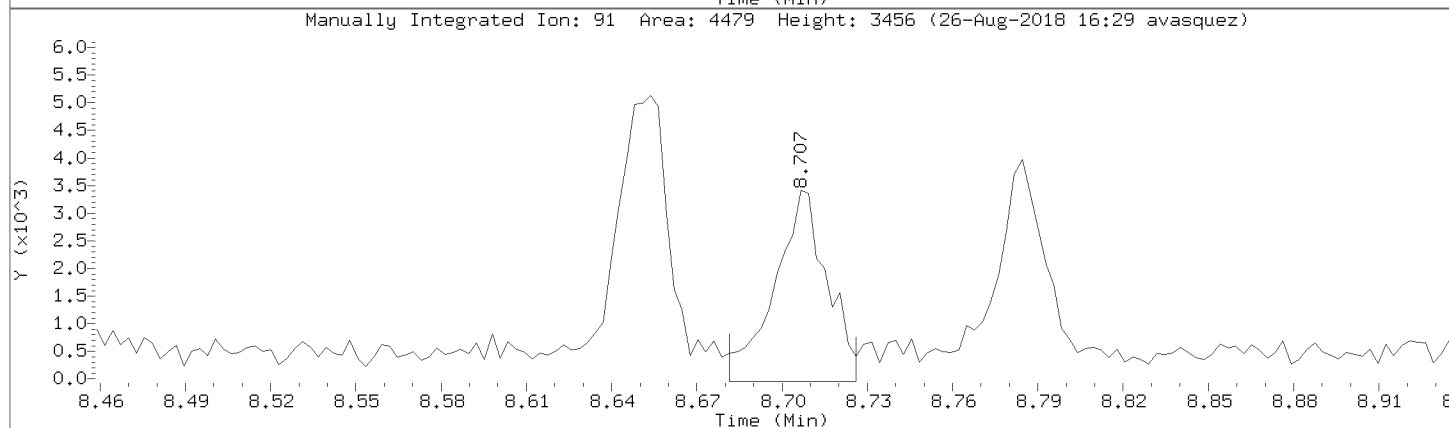
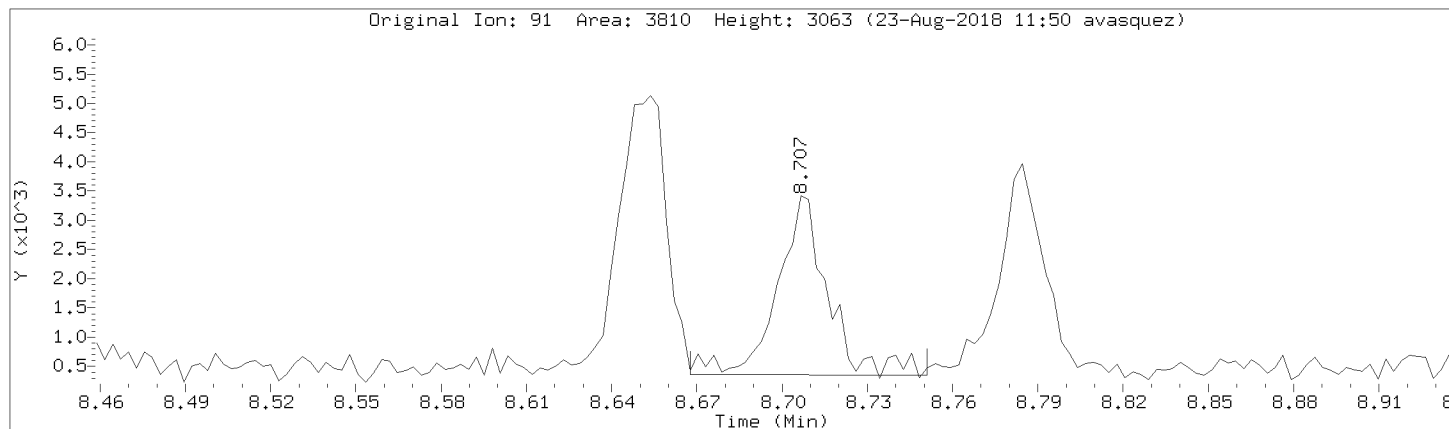
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: 2-Chlorotoluene

Review Code: NI

CAS Number: 95-49-8



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Injection Date: 22-AUG-2018 14:19

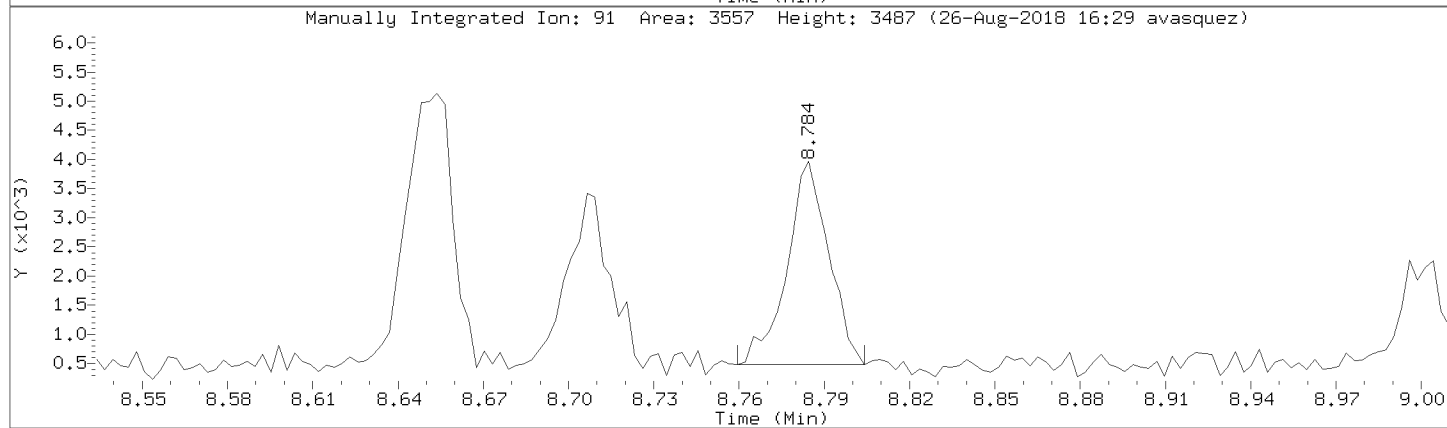
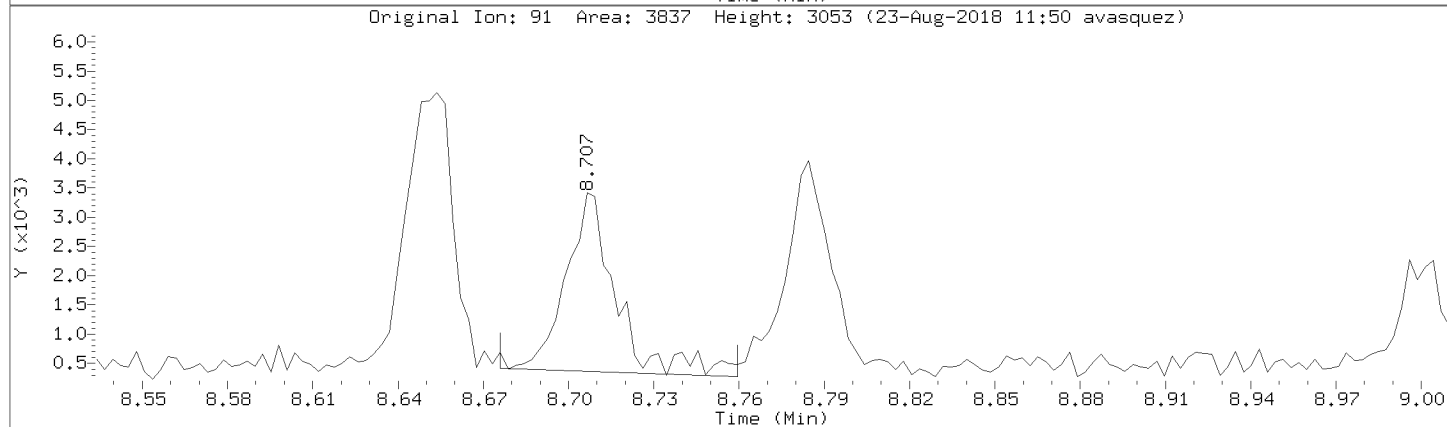
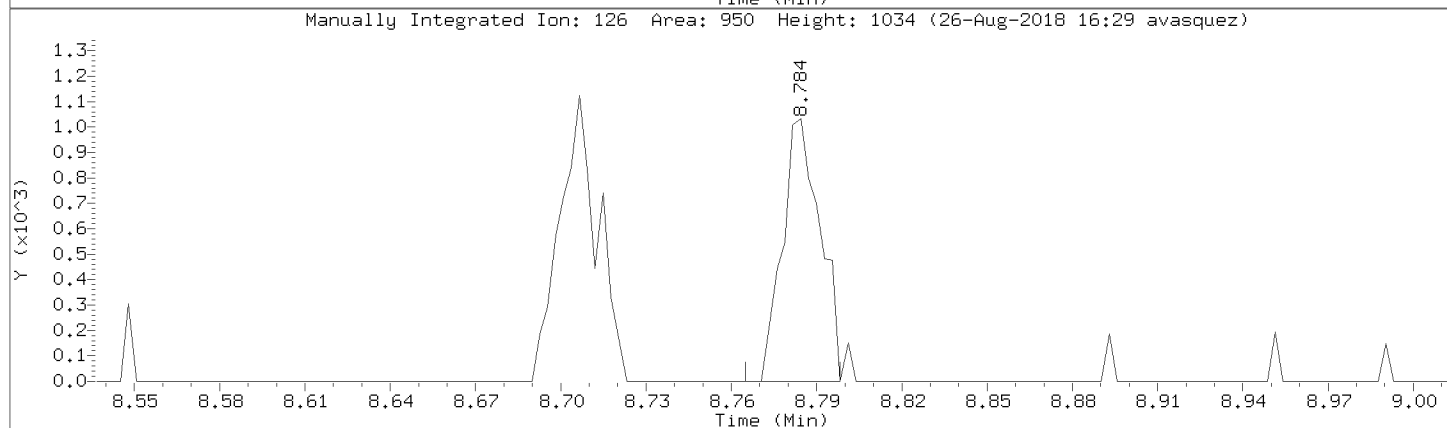
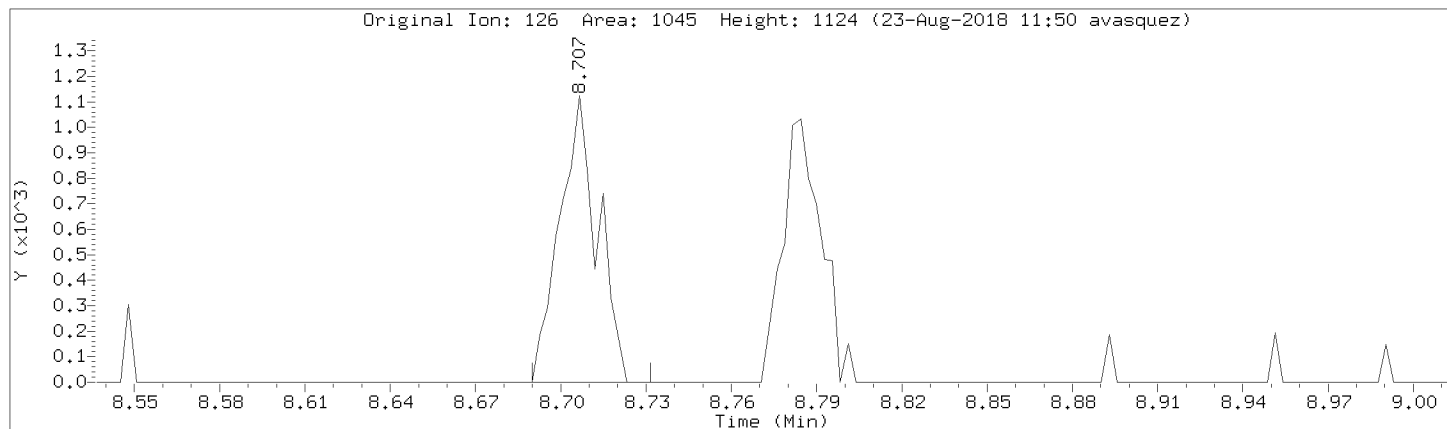
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: 4-Chlorotoluene

Review Code: WP

CAS Number: 106-43-4



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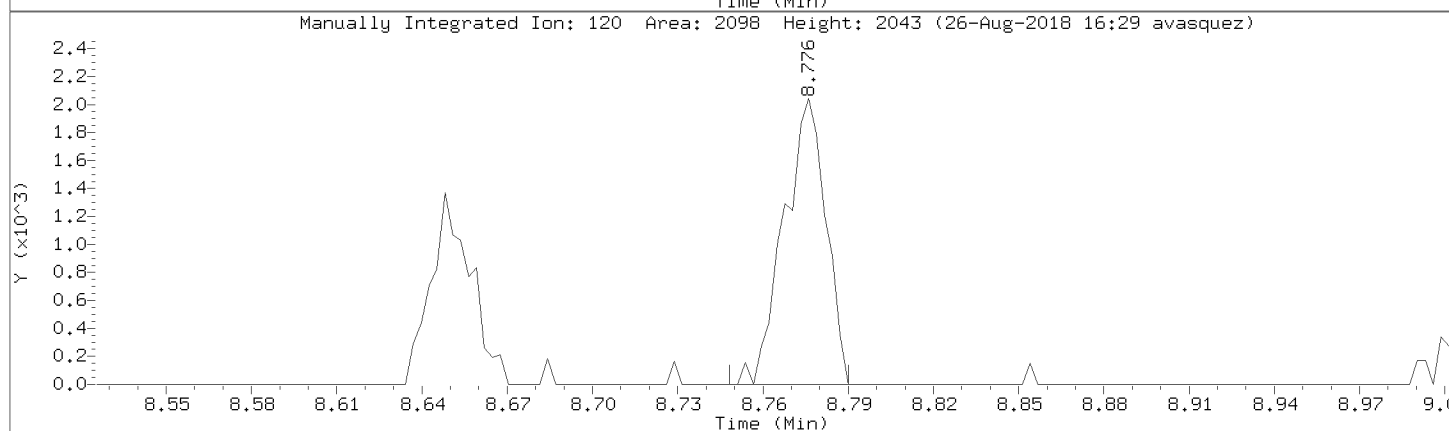
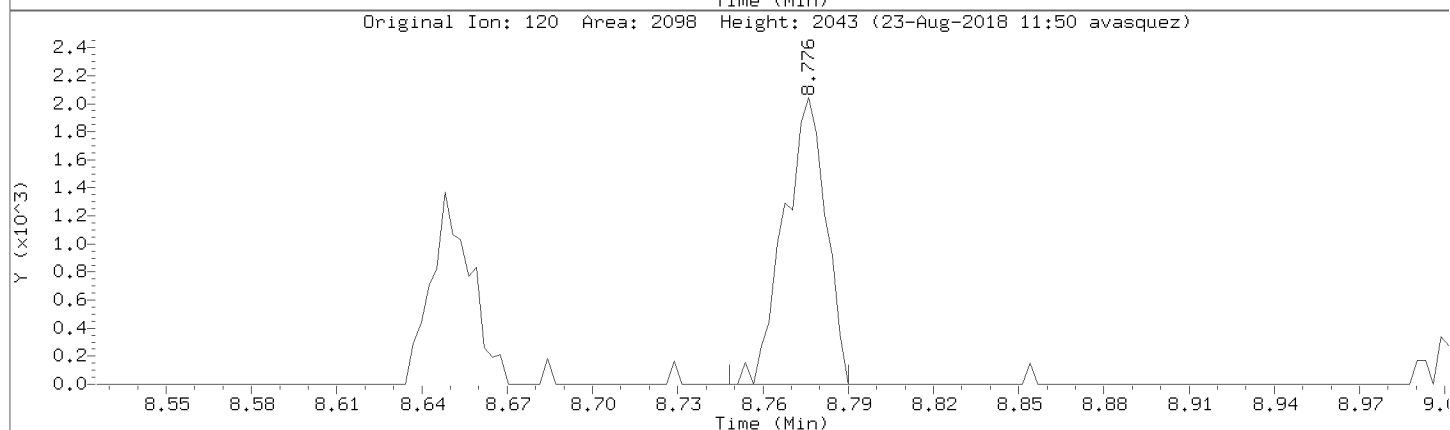
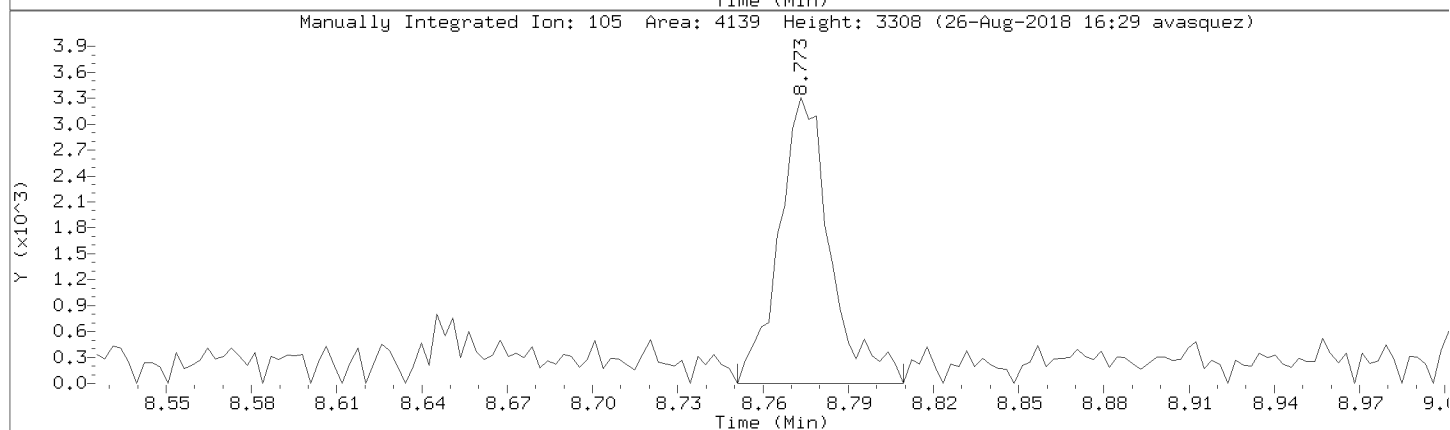
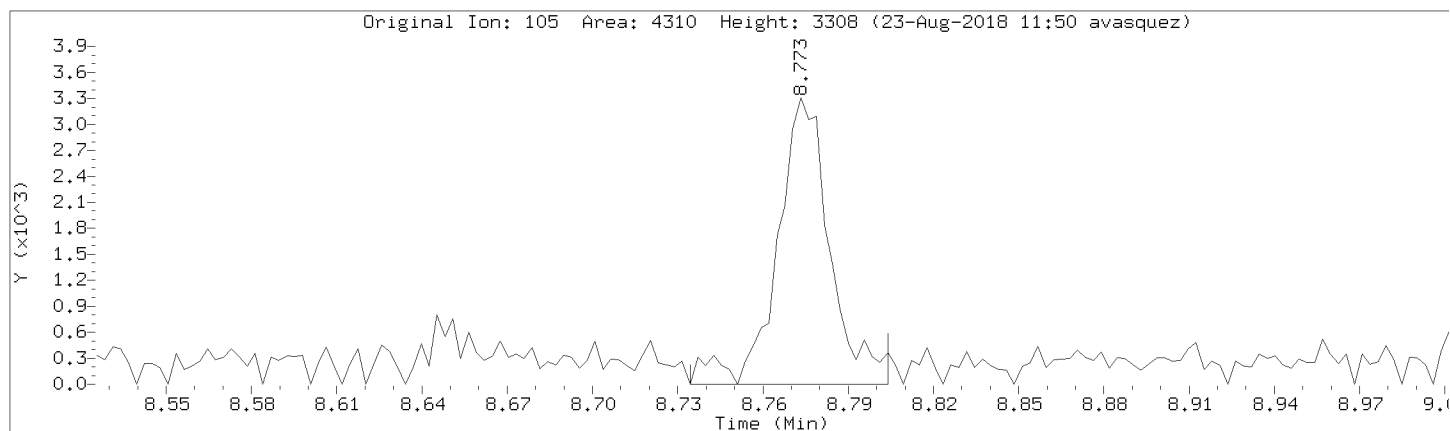
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: 1,3,5-Trimethylbenzene

Review Code: LT

CAS Number: 108-67-8



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Injection Date: 22-AUG-2018 14:19

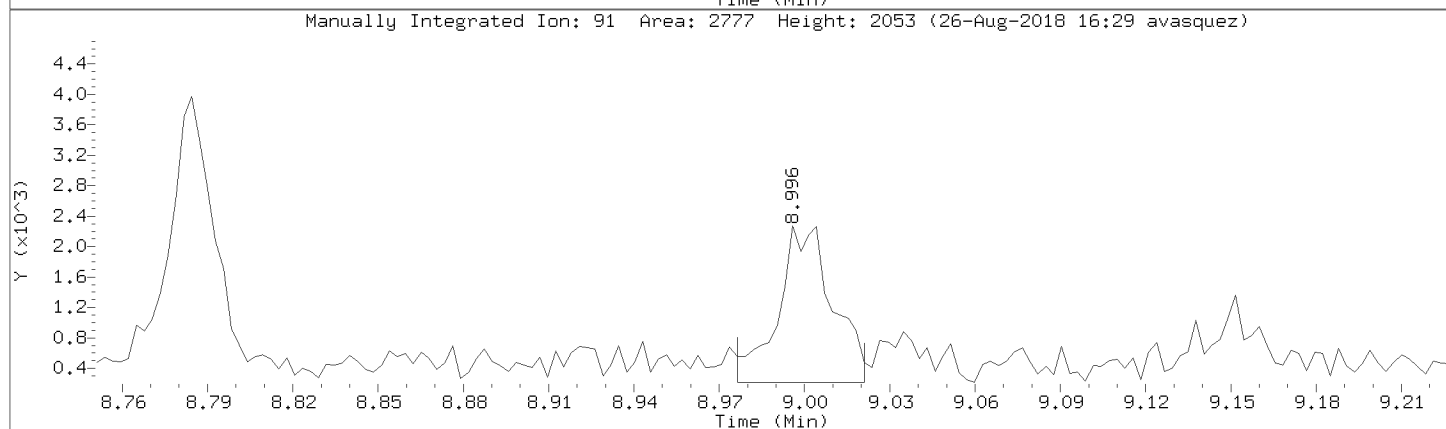
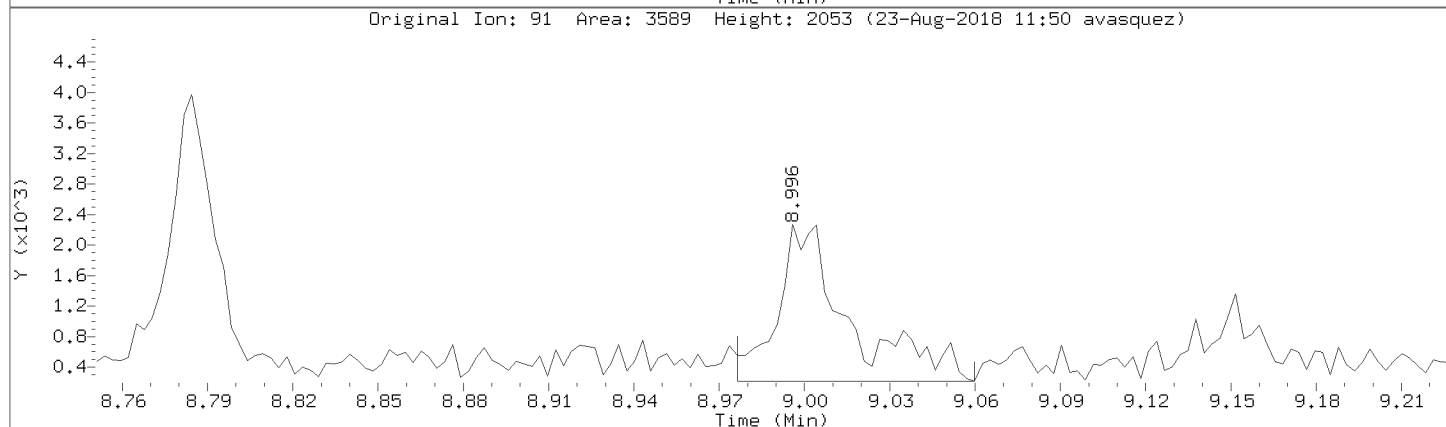
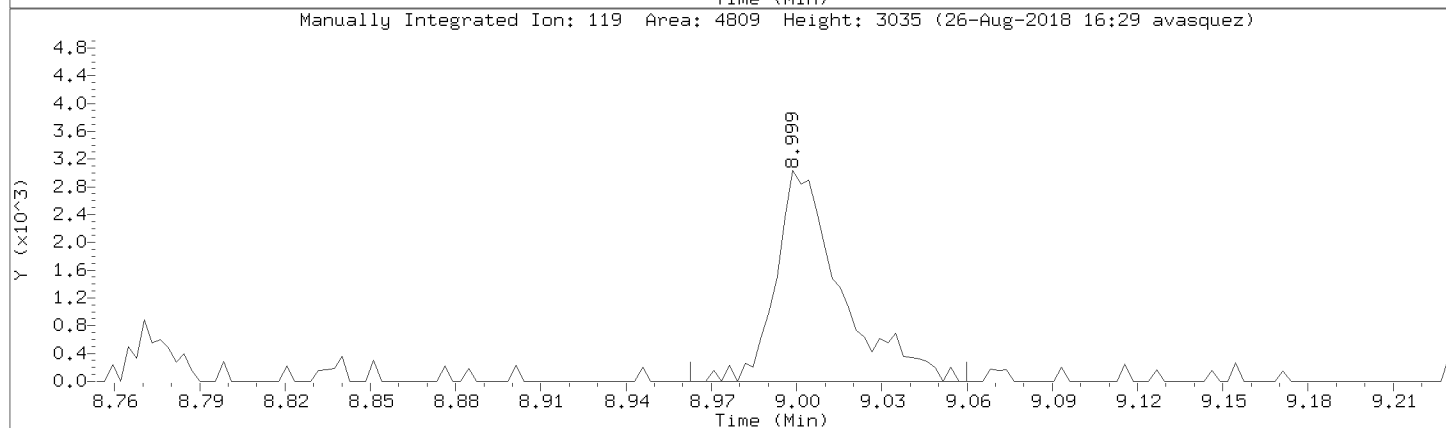
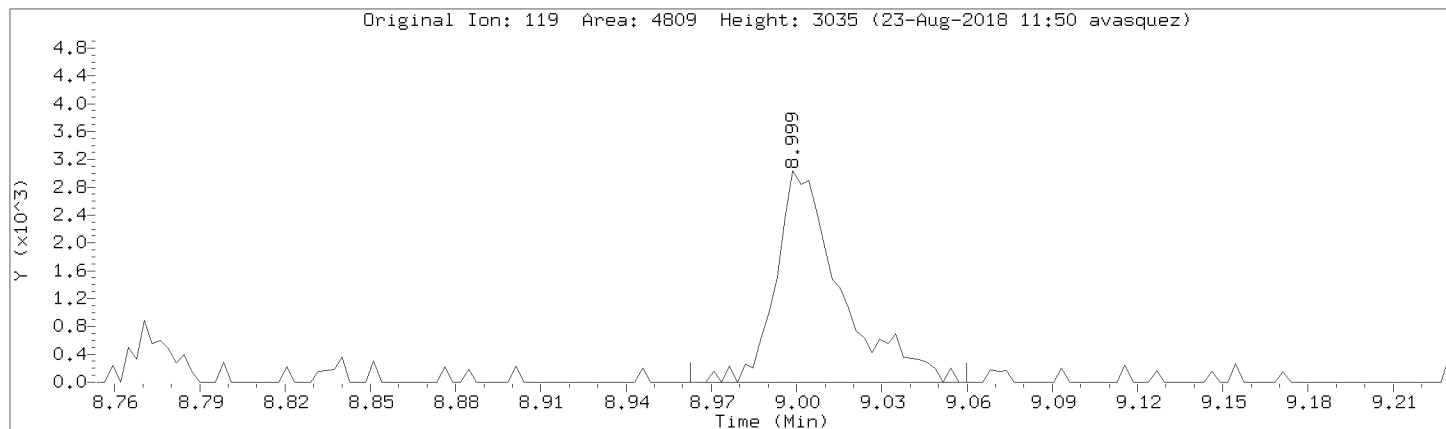
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

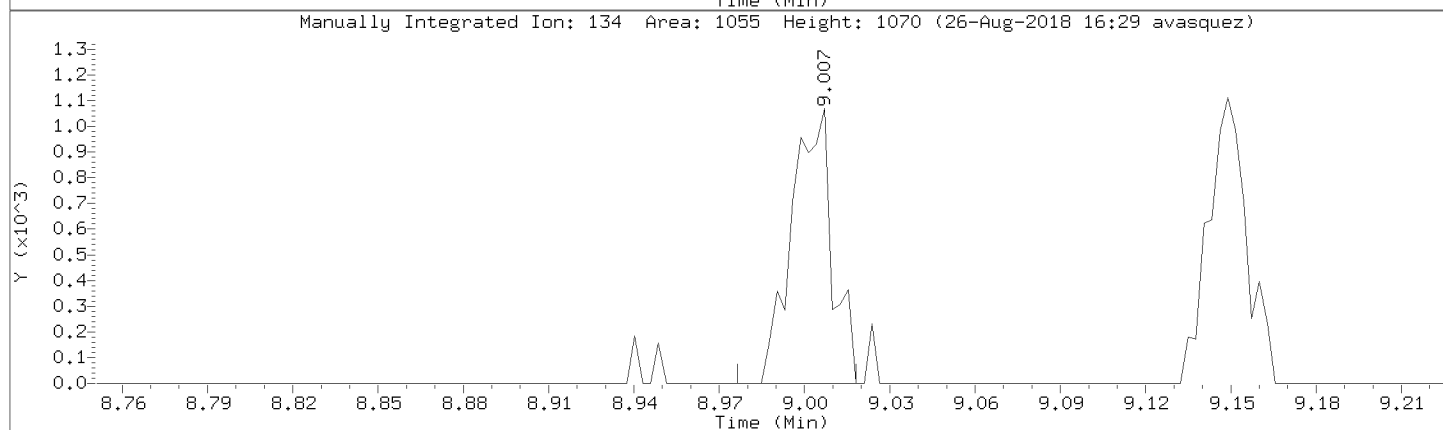
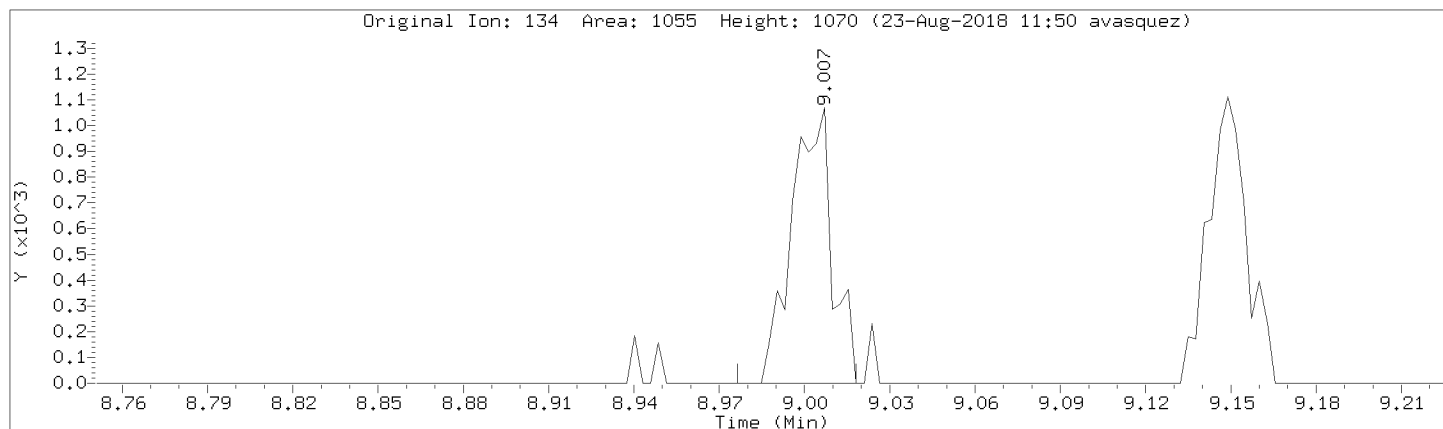
Compound: tert-Butylbenzene

Review Code: GT

CAS Number: 98-06-6



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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



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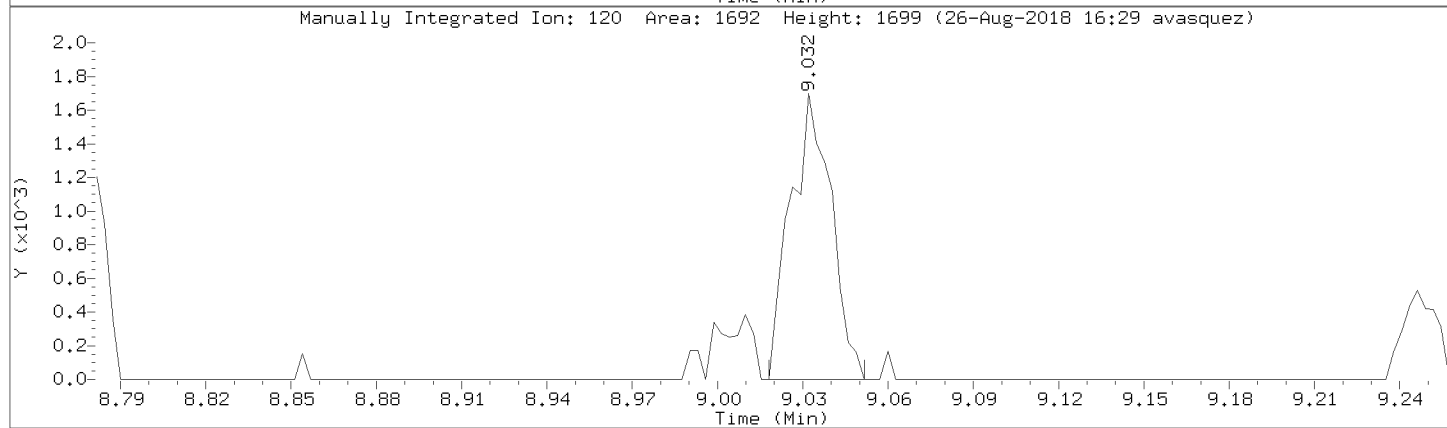
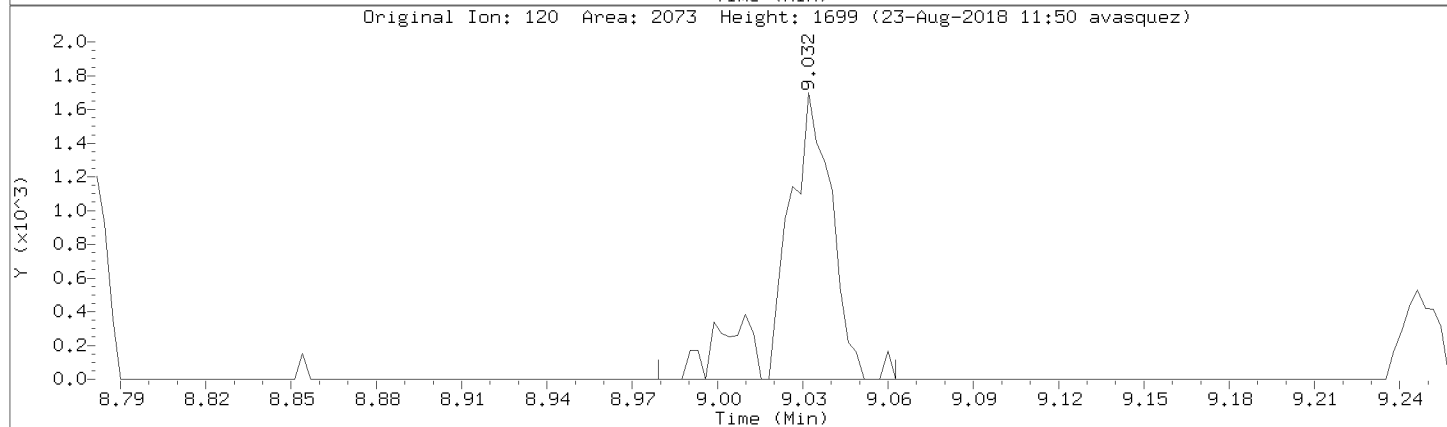
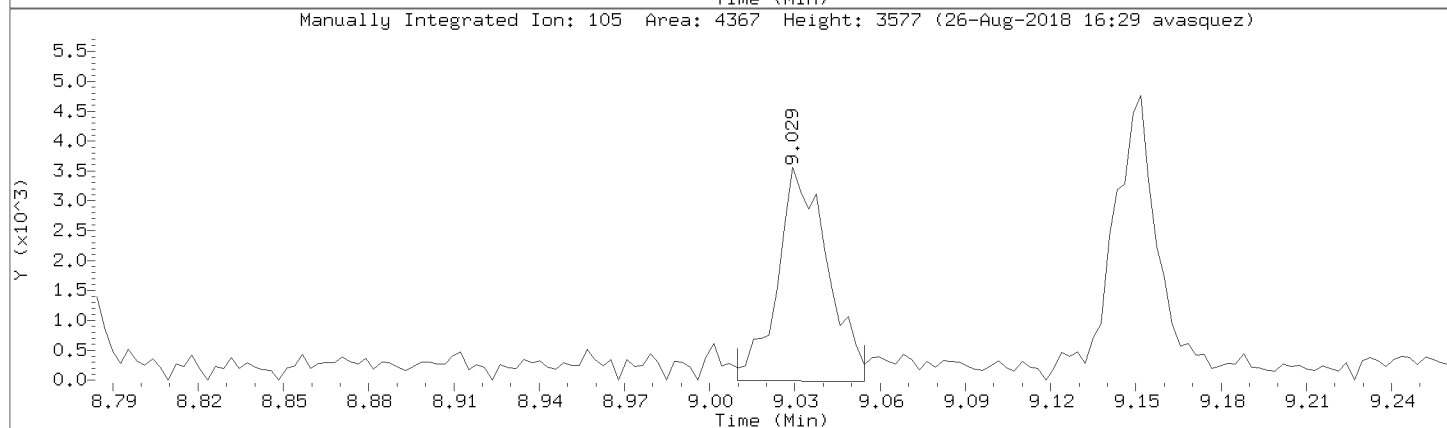
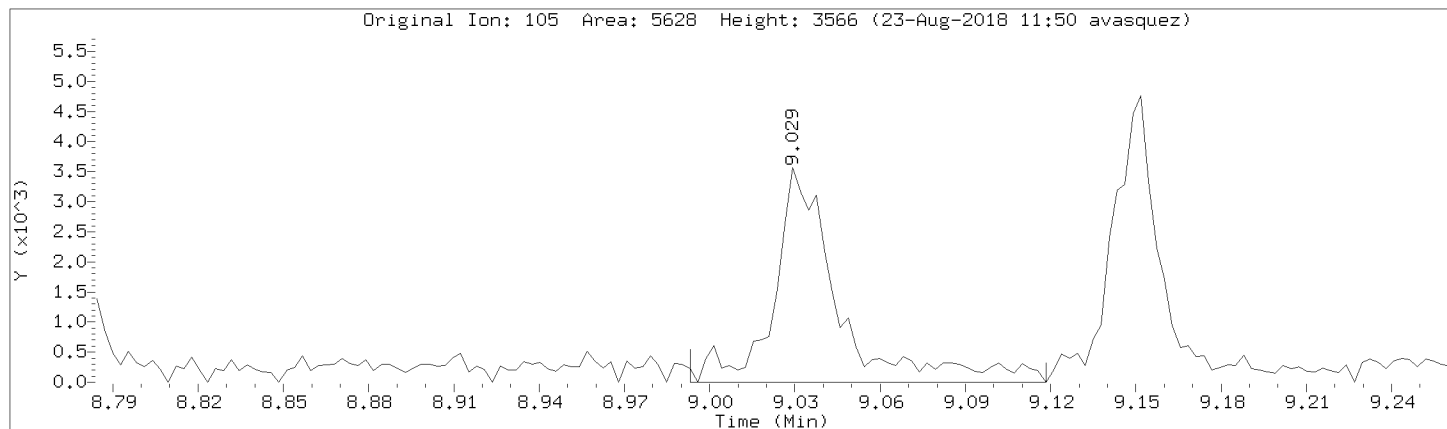
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: 1,2,4-Trimethylbenzene

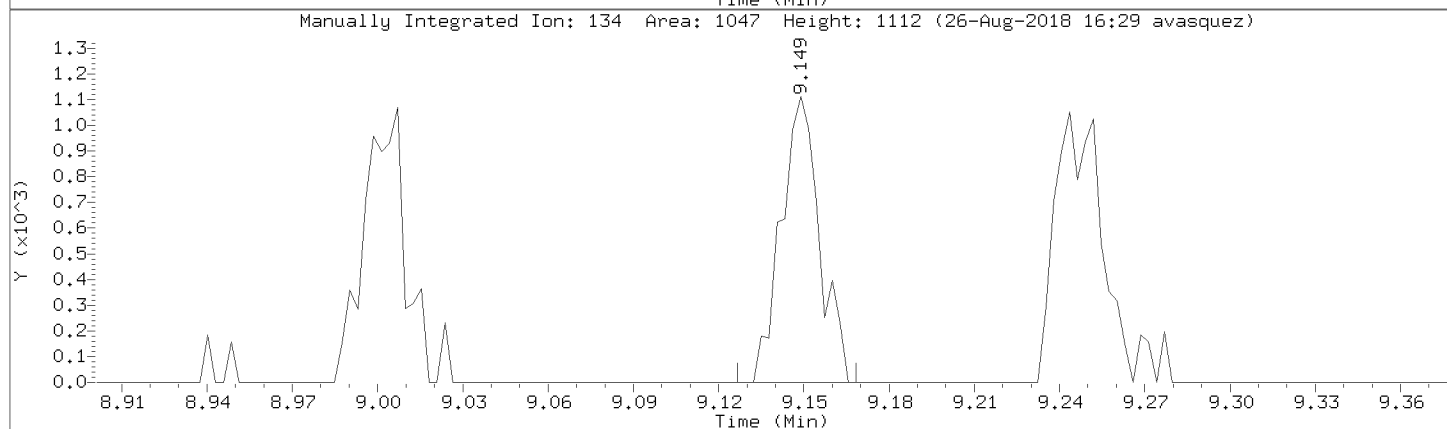
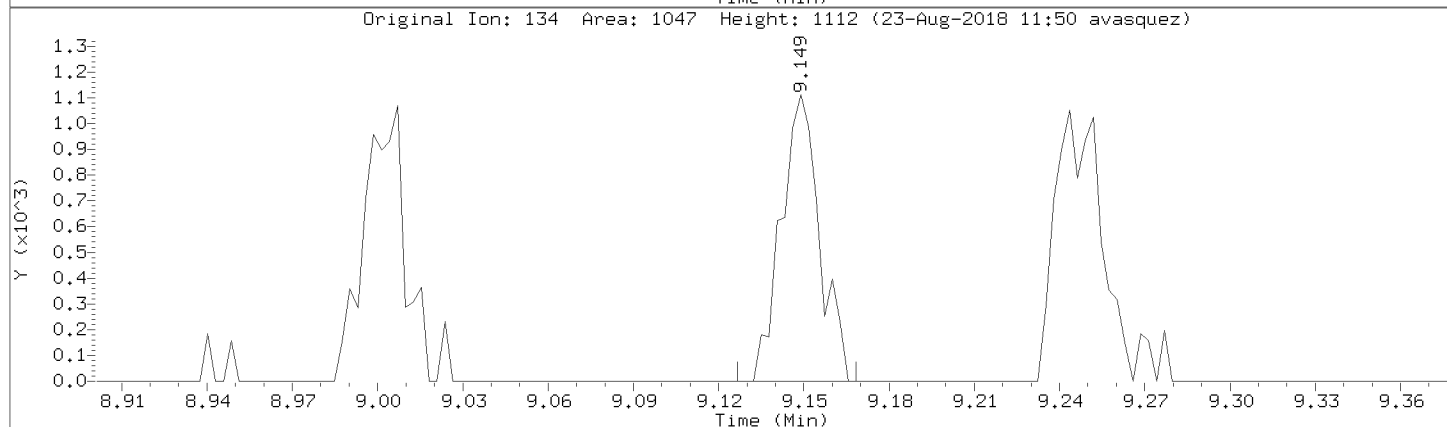
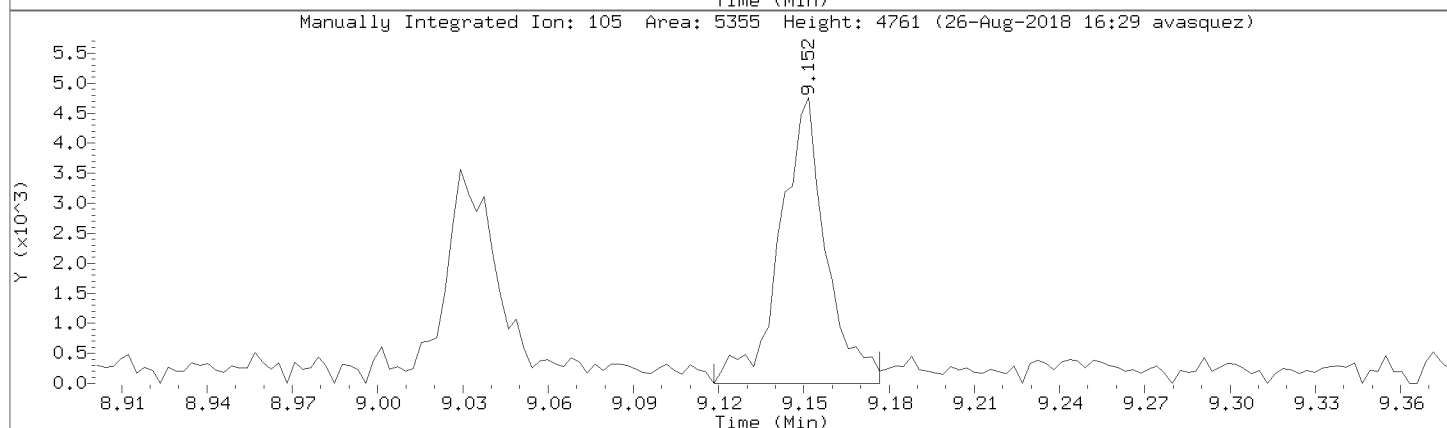
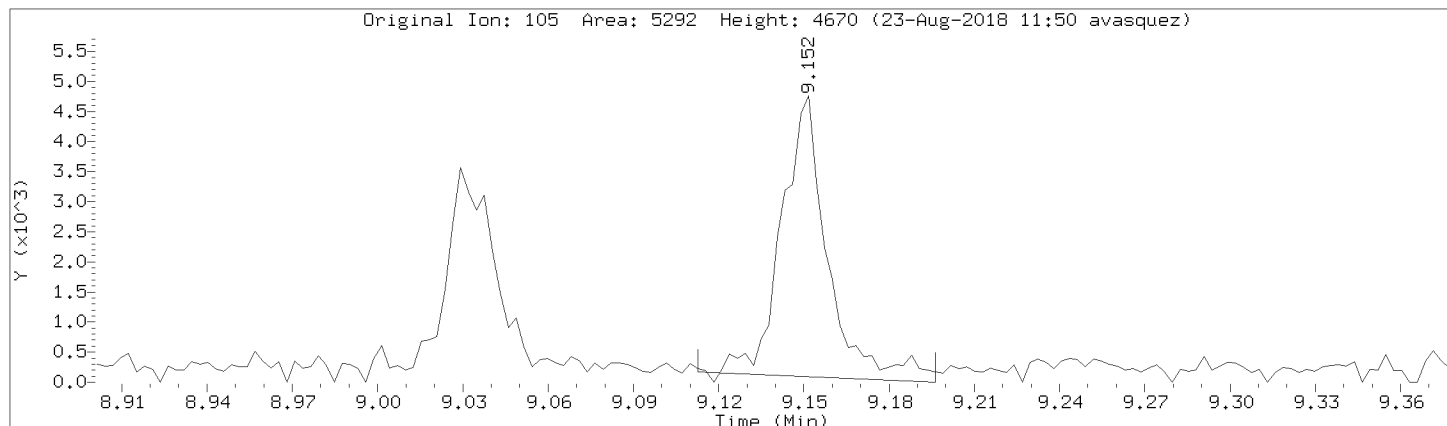
Review Code: GT

CAS Number: 95-63-6



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: sec-Butylbenzene Review Code: NI
CAS Number: 135-98-8



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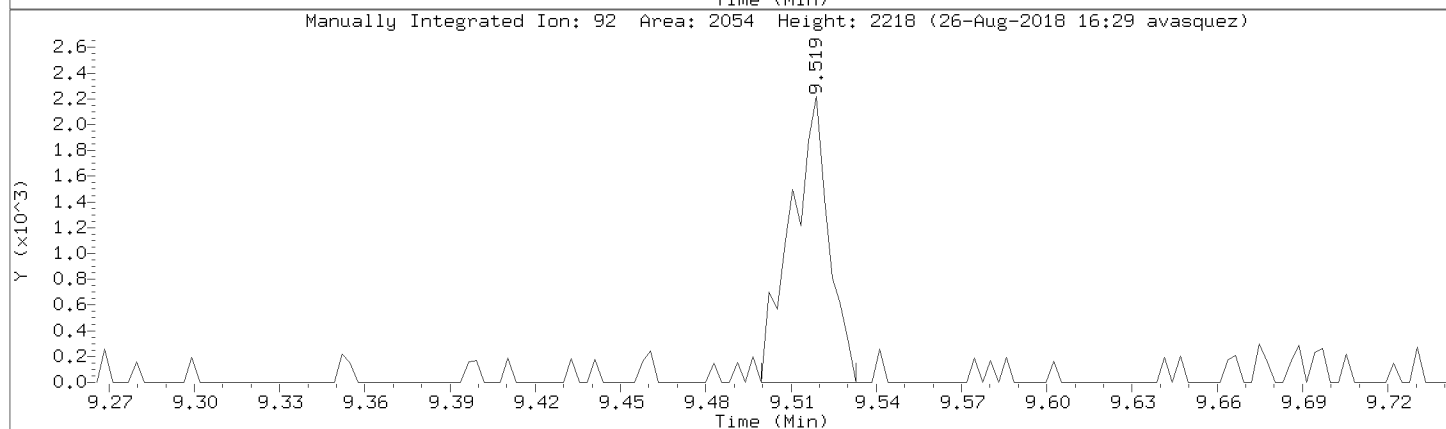
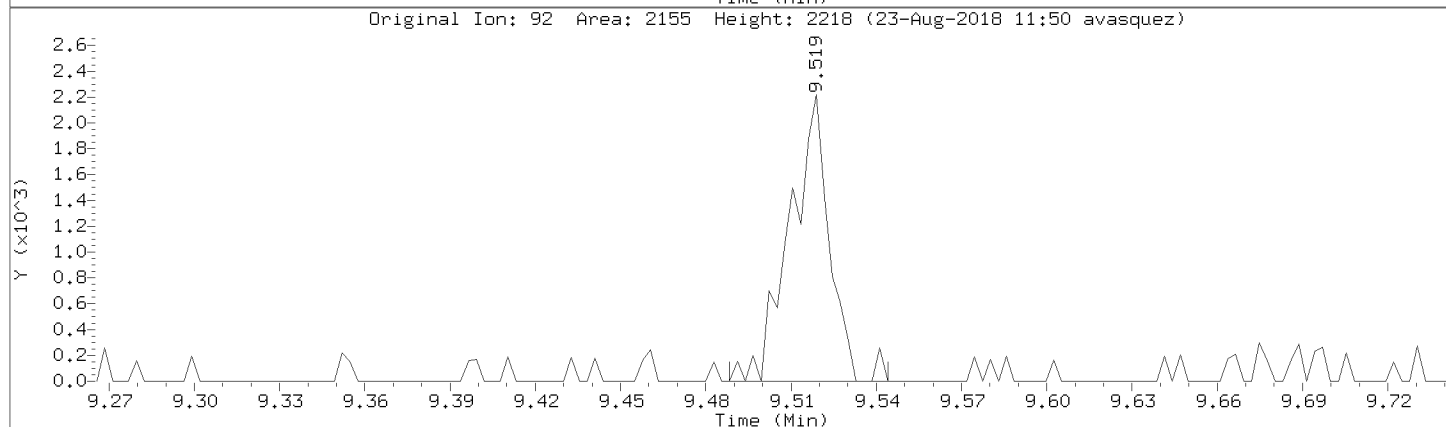
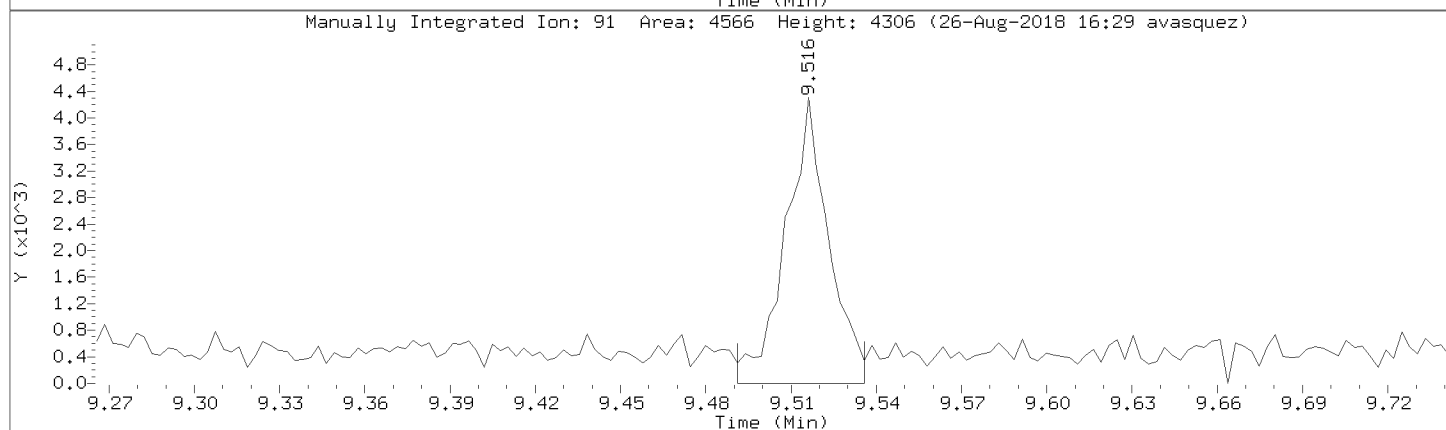
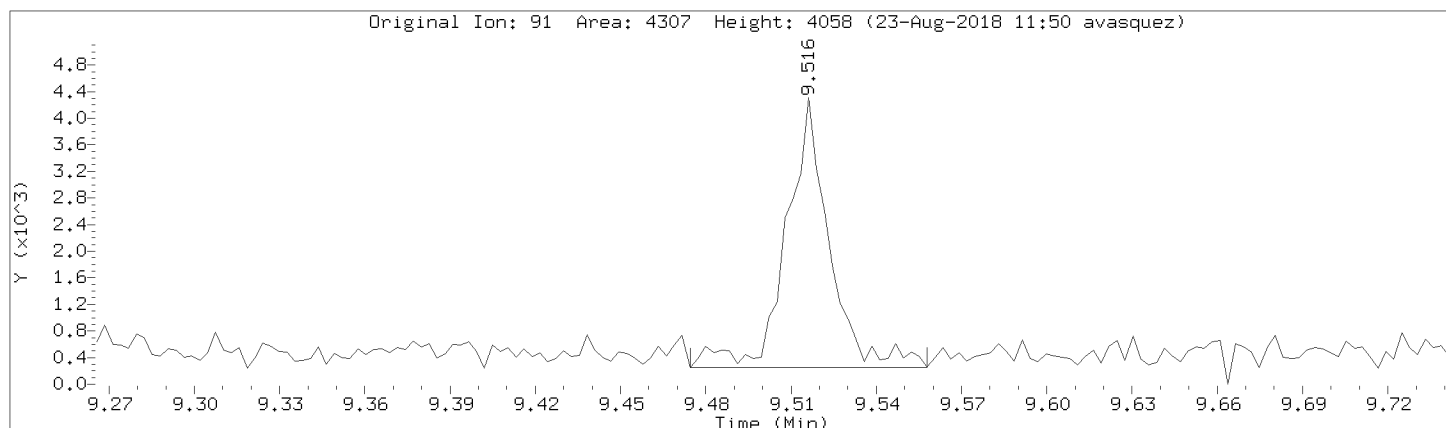
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

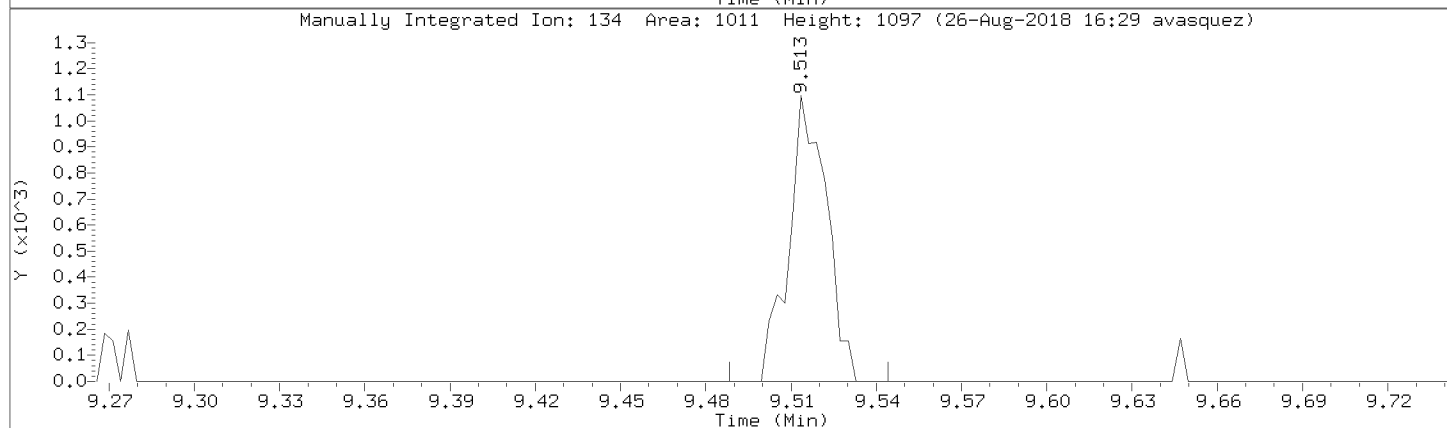
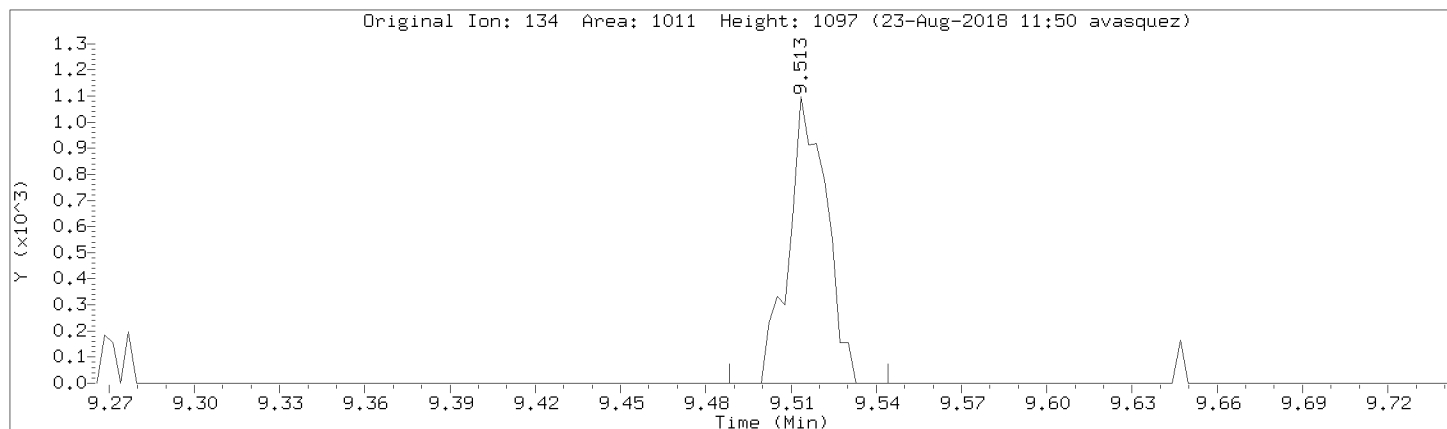
Compound: n-Butylbenzene

Review Code: GT

CAS Number: 104-51-8

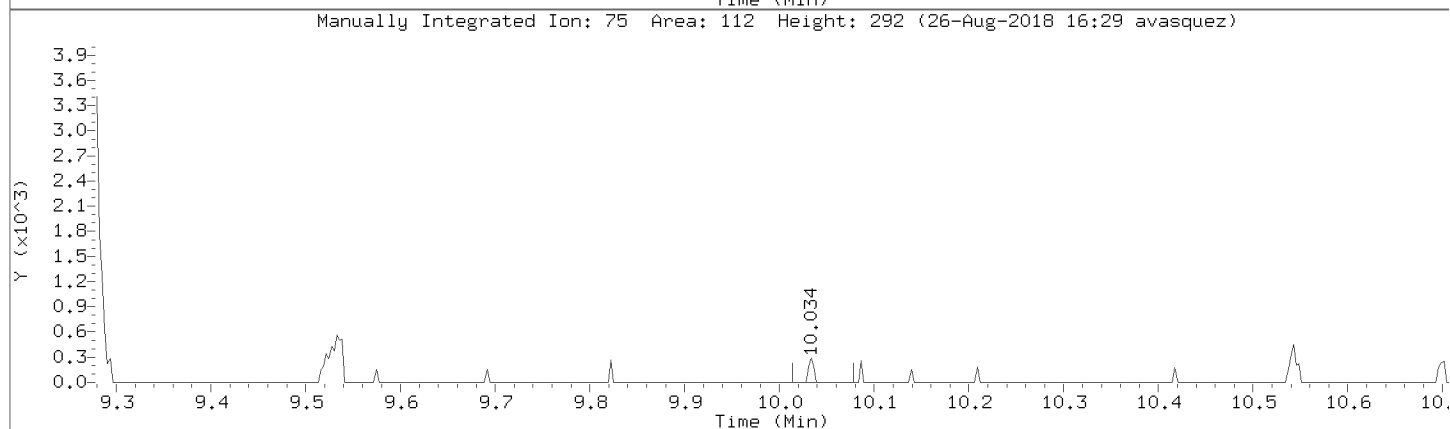
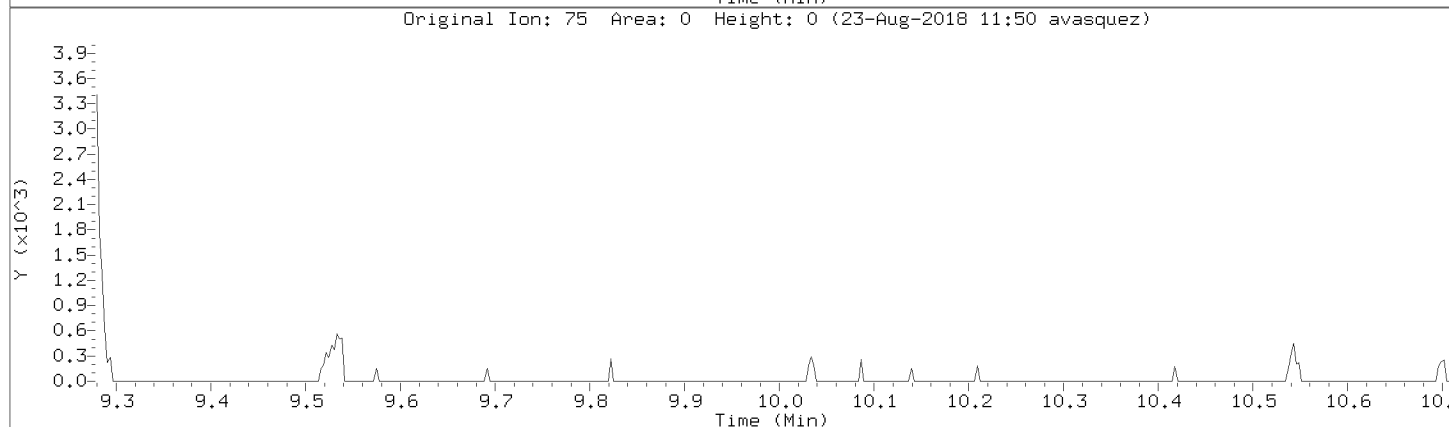
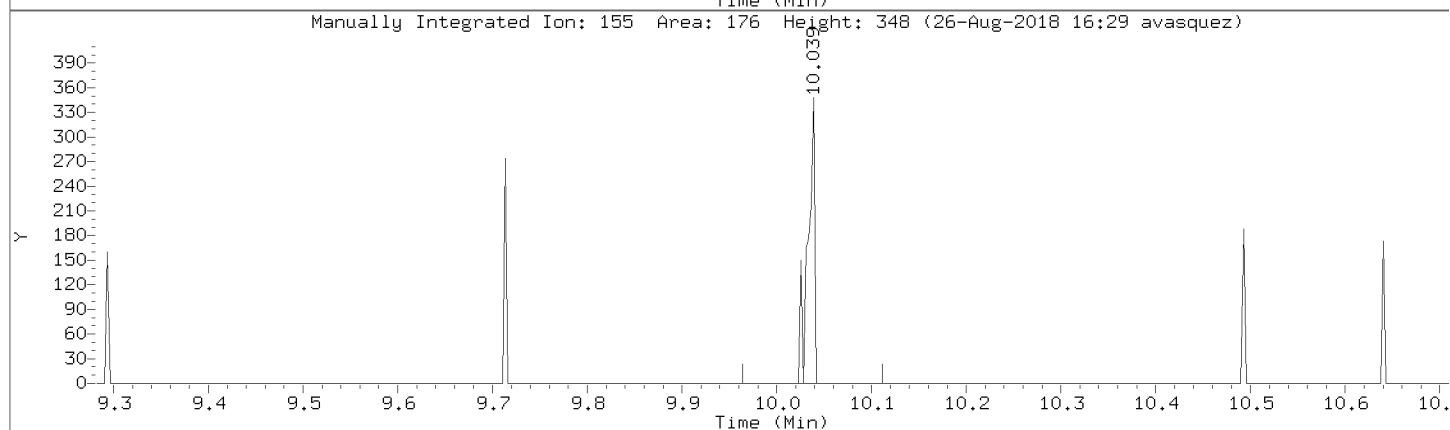
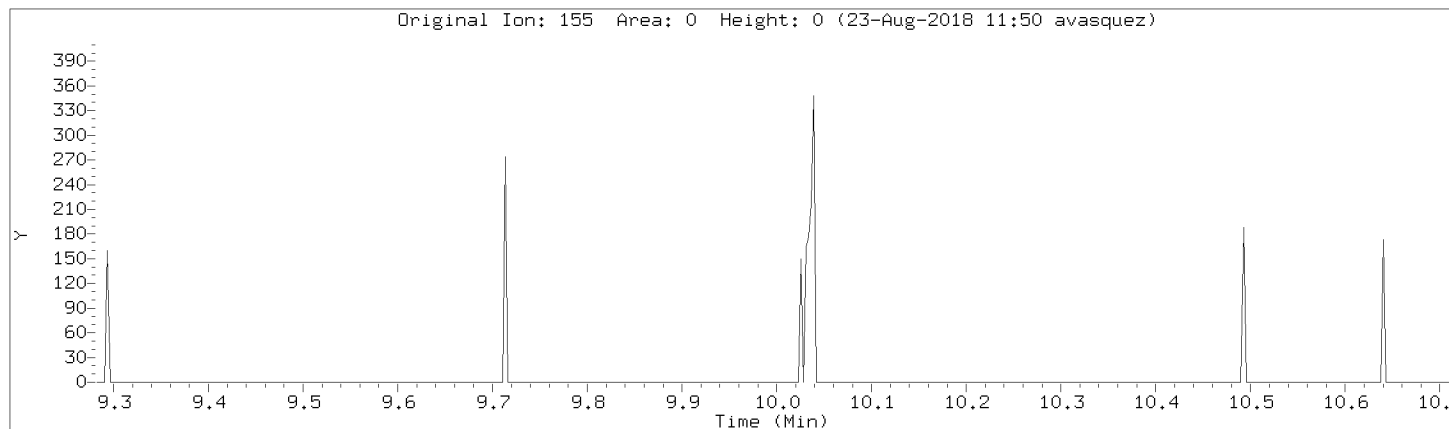


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

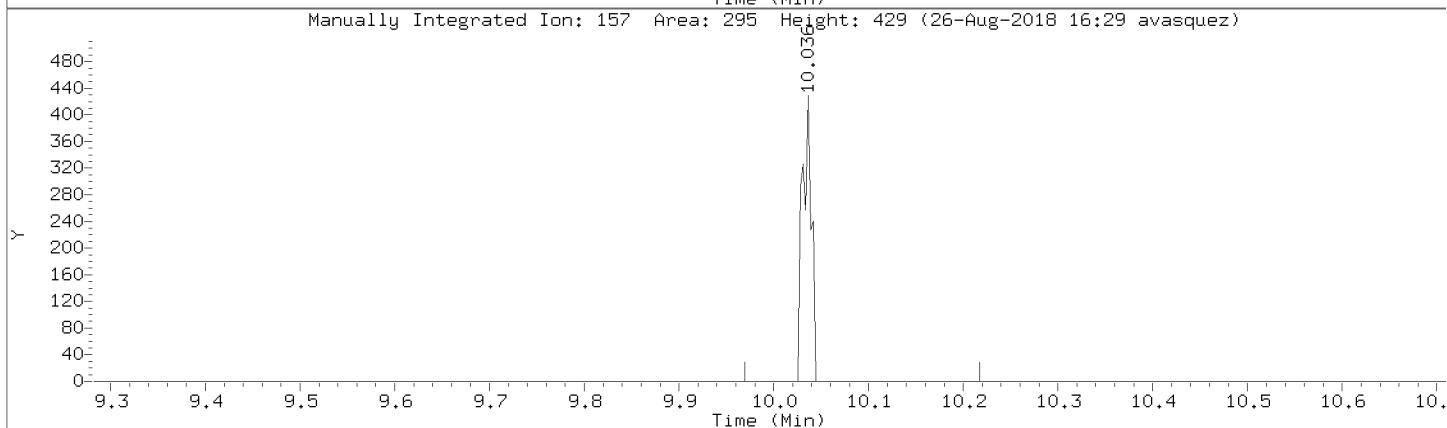
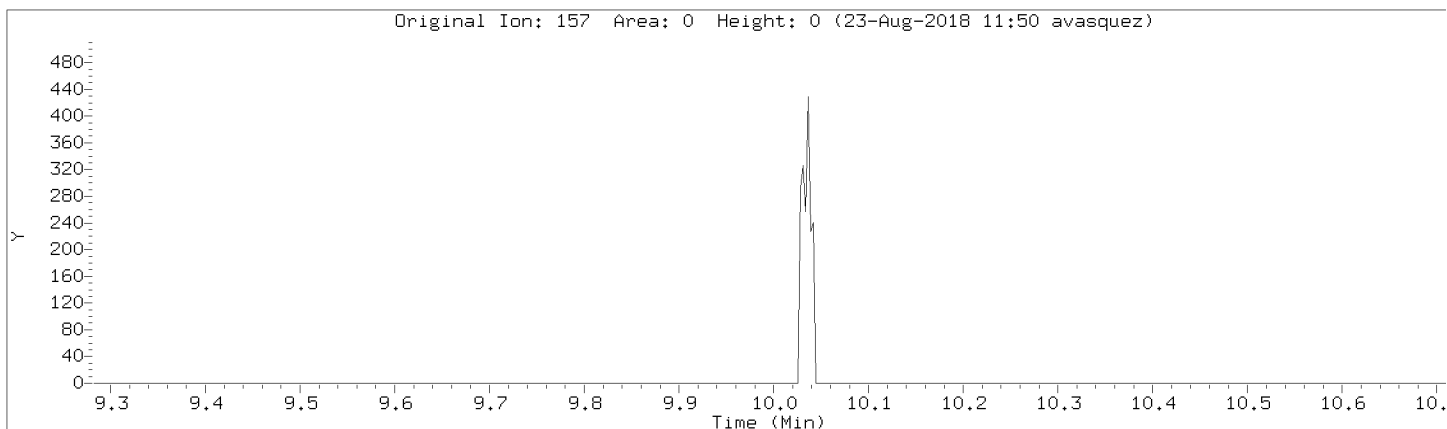


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: 1,2-Dibromo-3-chloropropane Review Code: NI
CAS Number: 96-12-8



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



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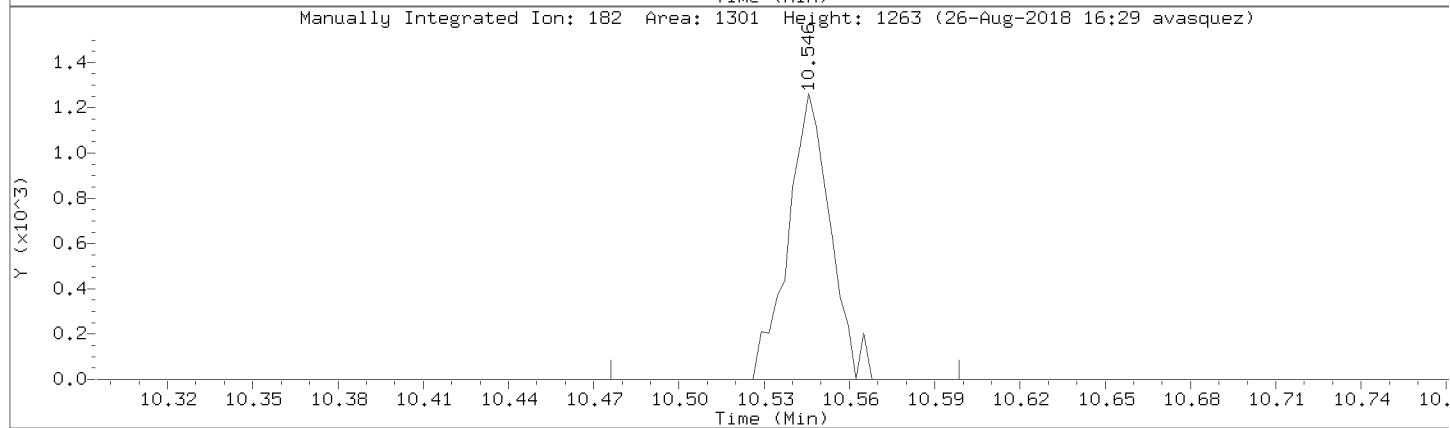
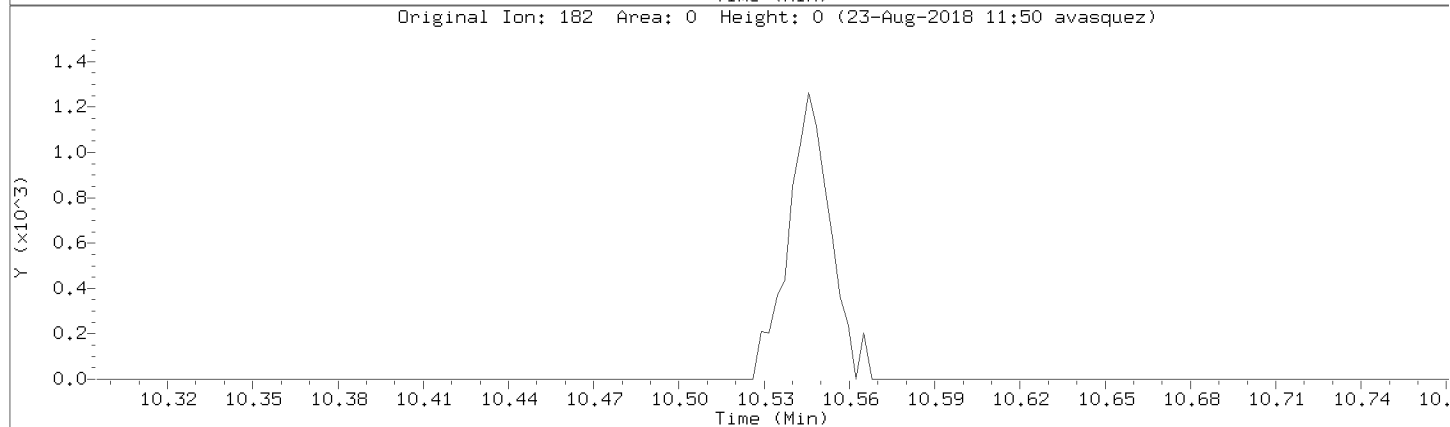
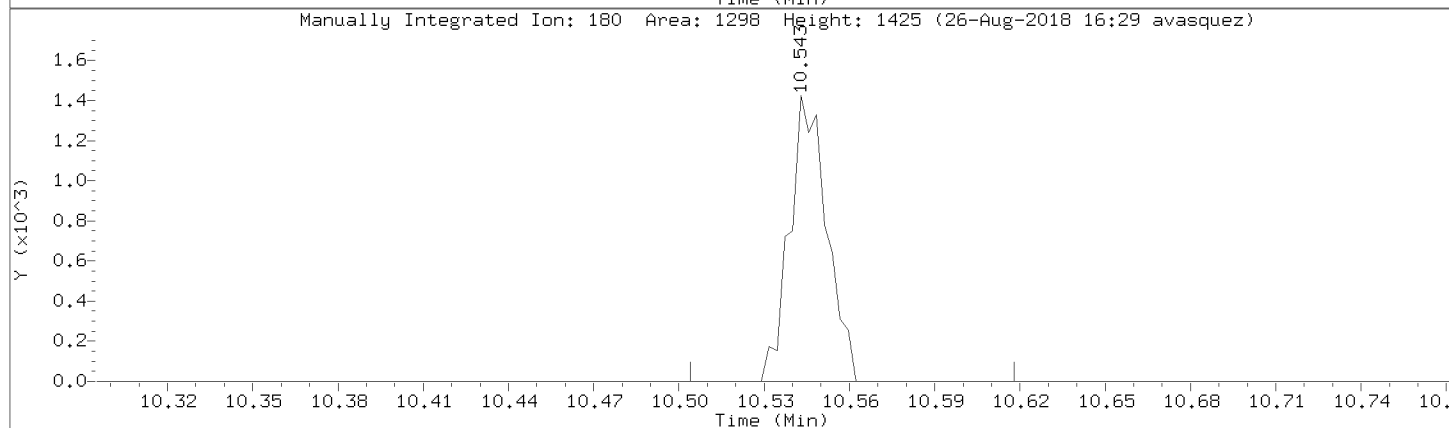
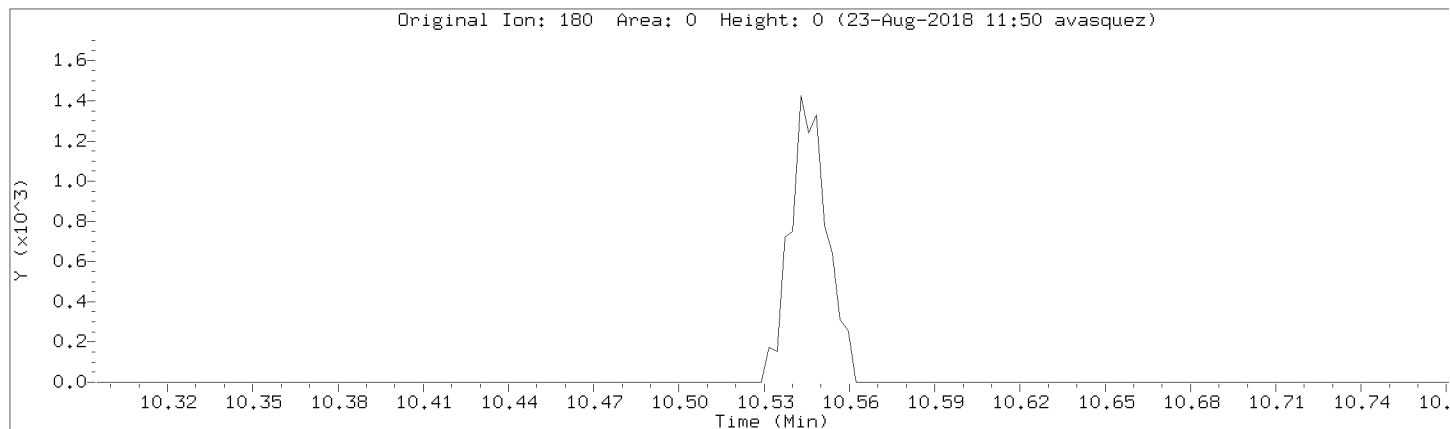
Instrument: 50mv2a.i

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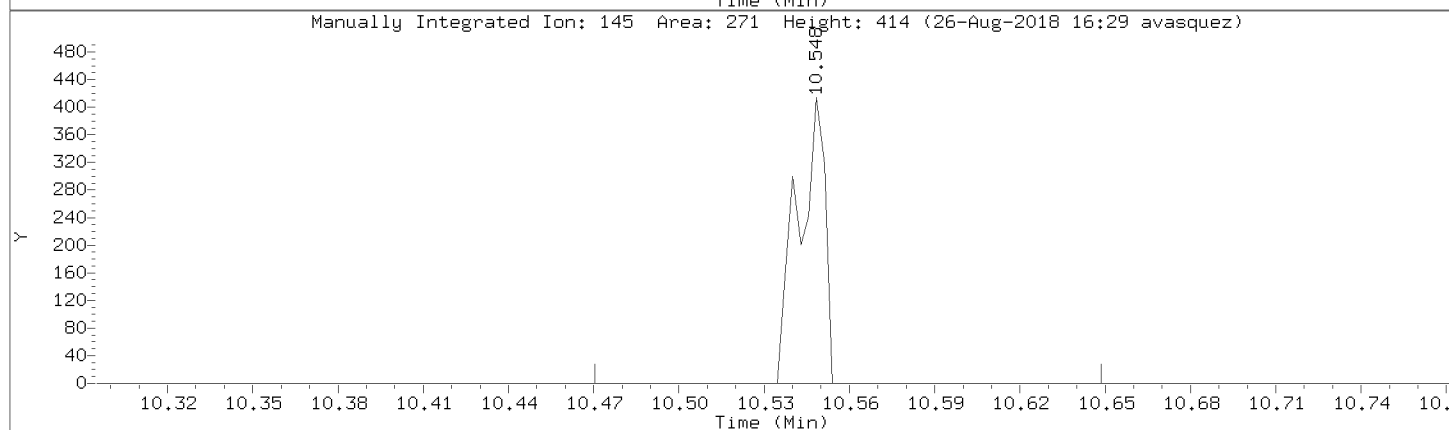
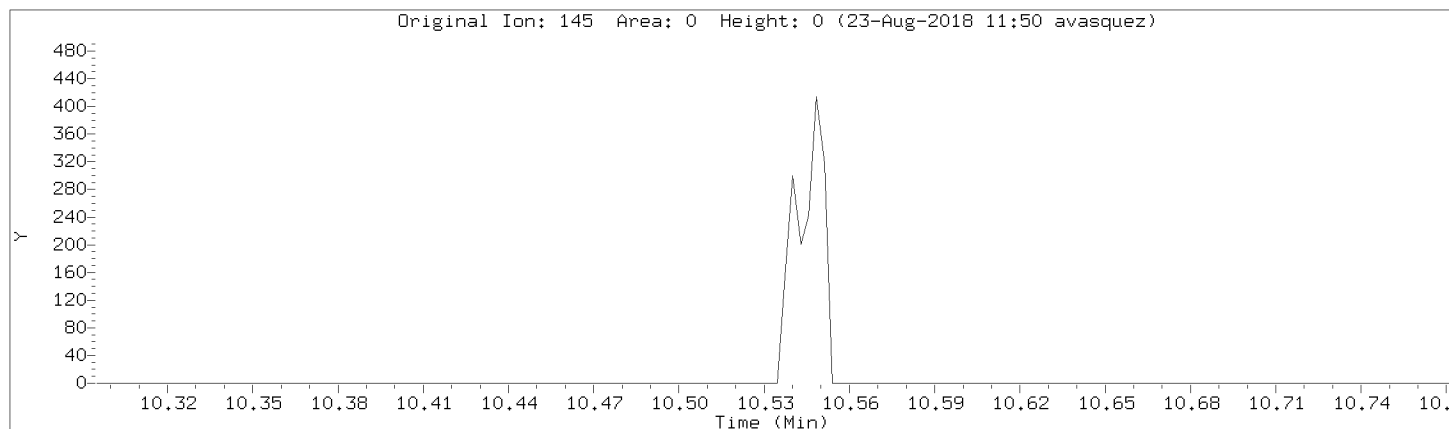
Compound: 1,2,4-Trichlorobenzene

Review Code: NI

CAS Number: 120-82-1



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



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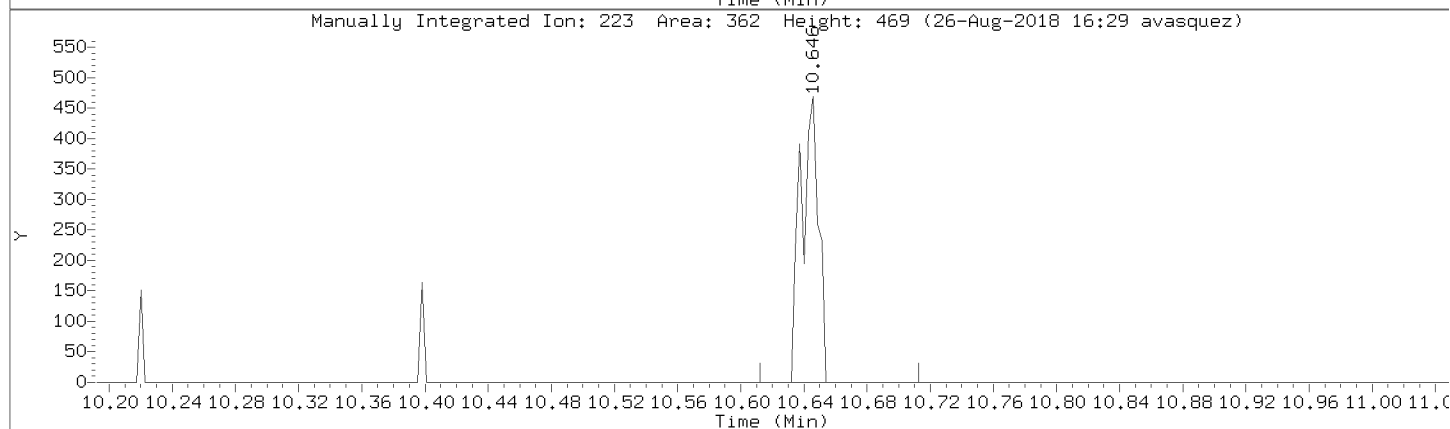
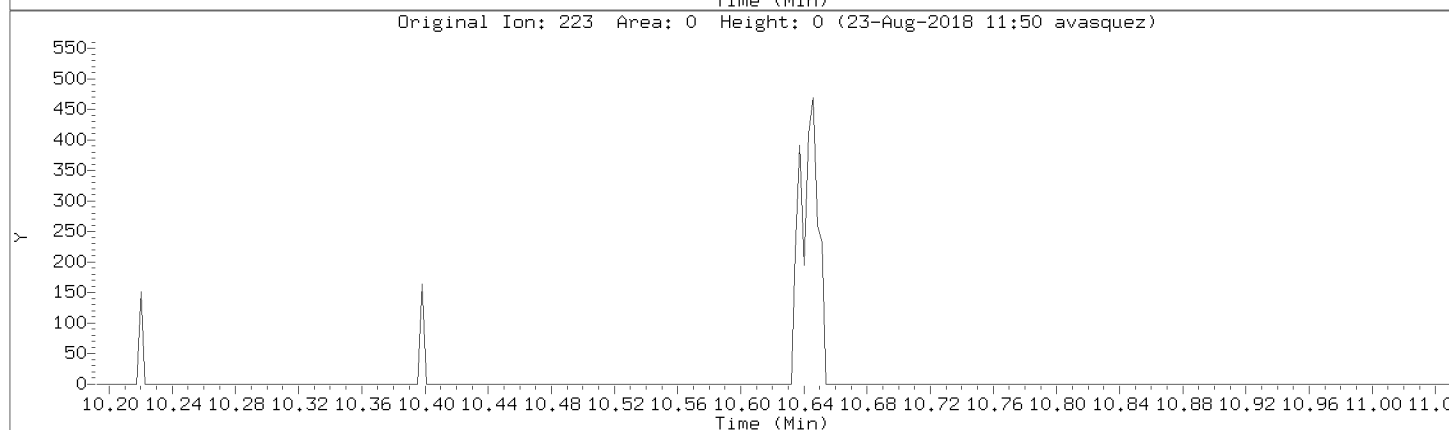
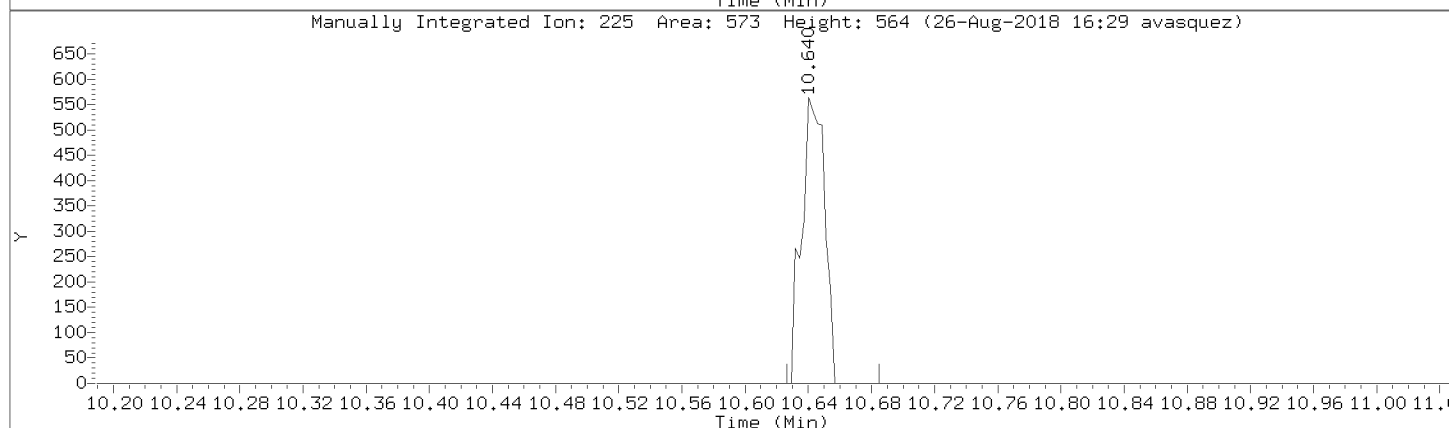
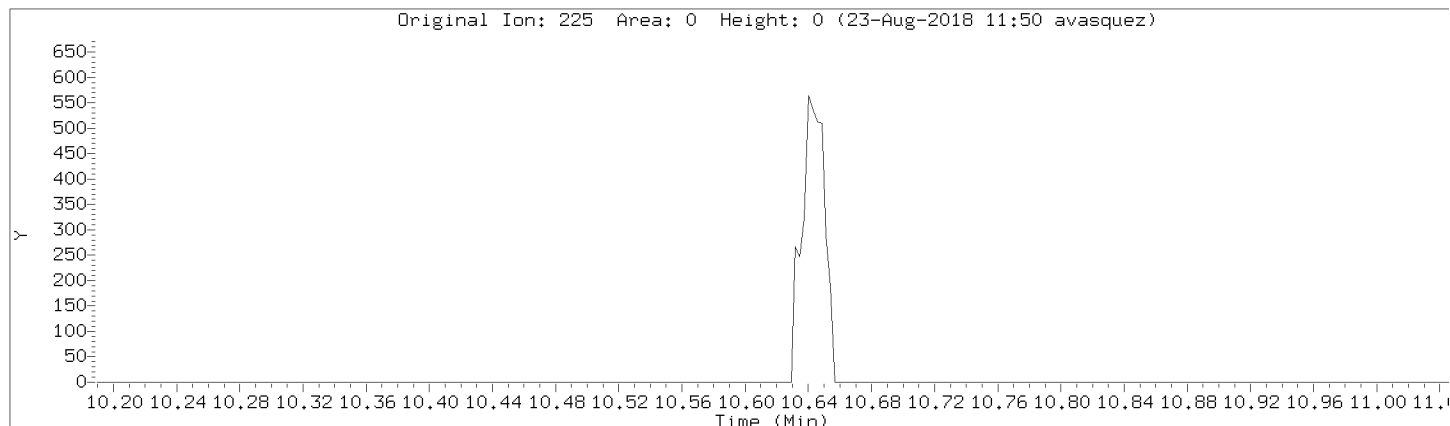
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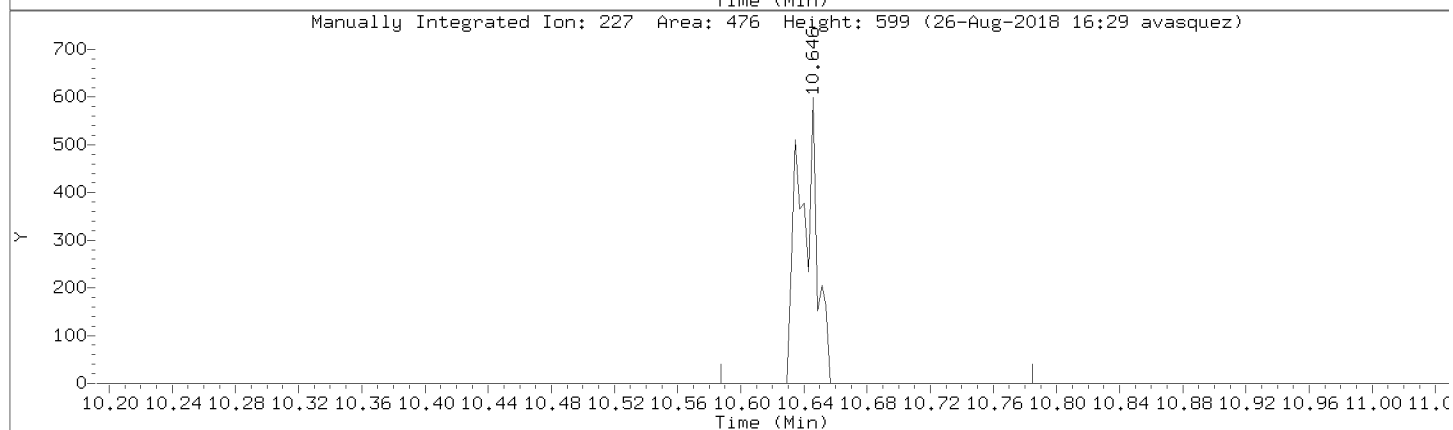
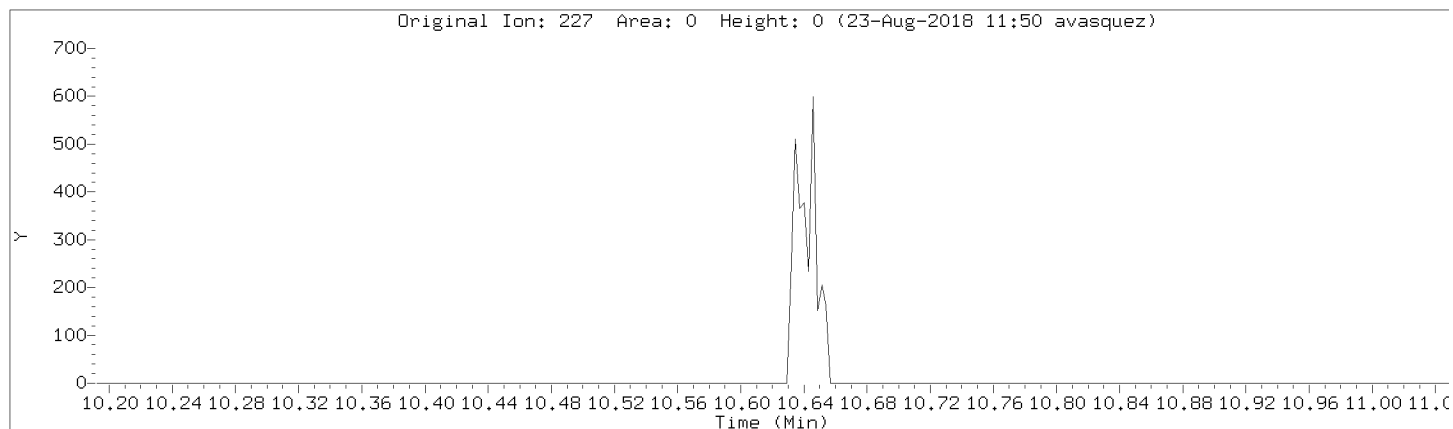
Compound: Hexachlorobutadiene

Review Code: NI

CAS Number: 87-68-3



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



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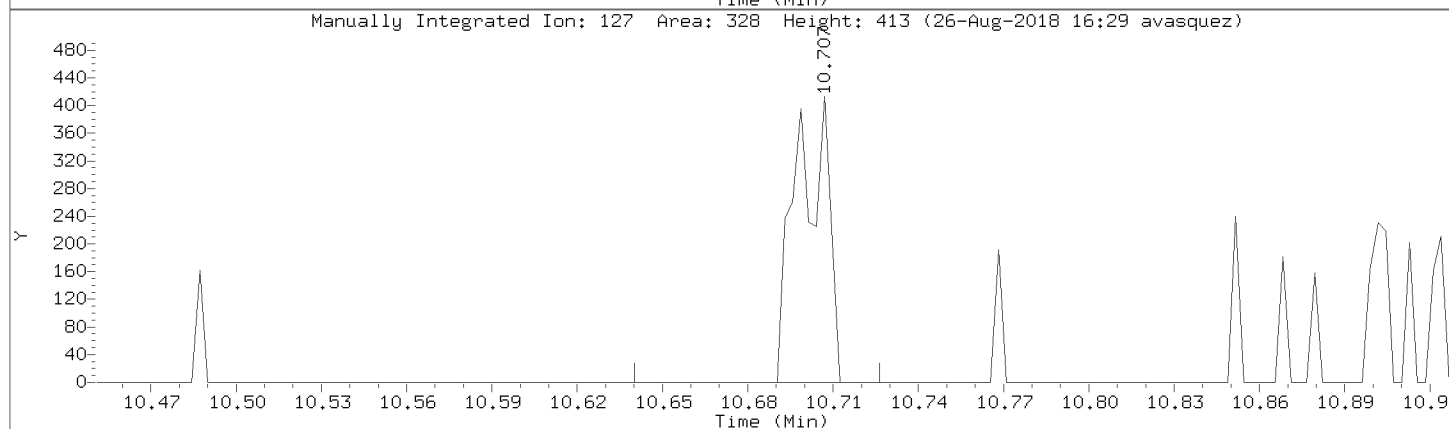
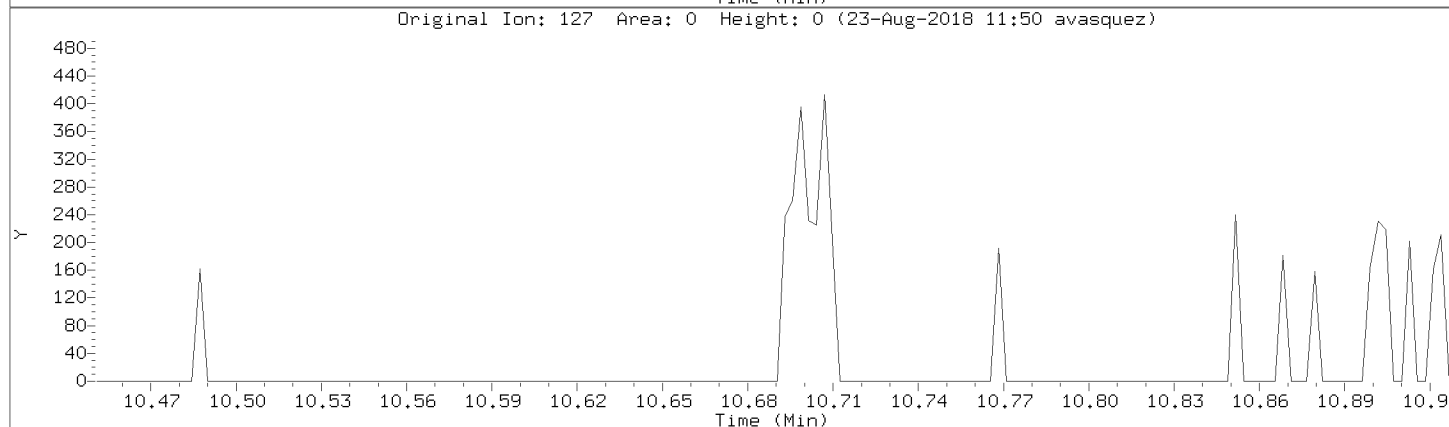
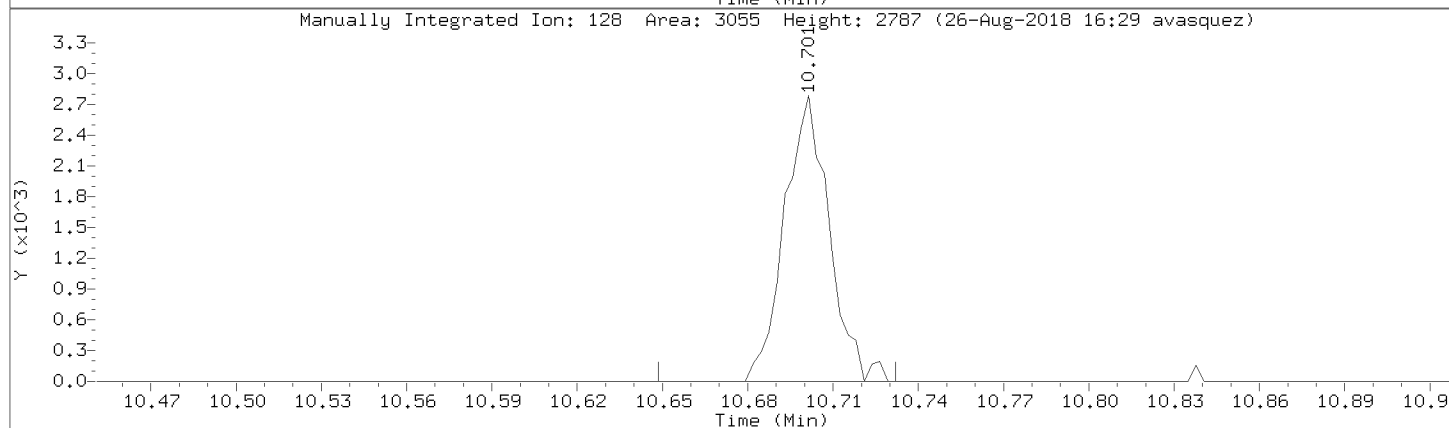
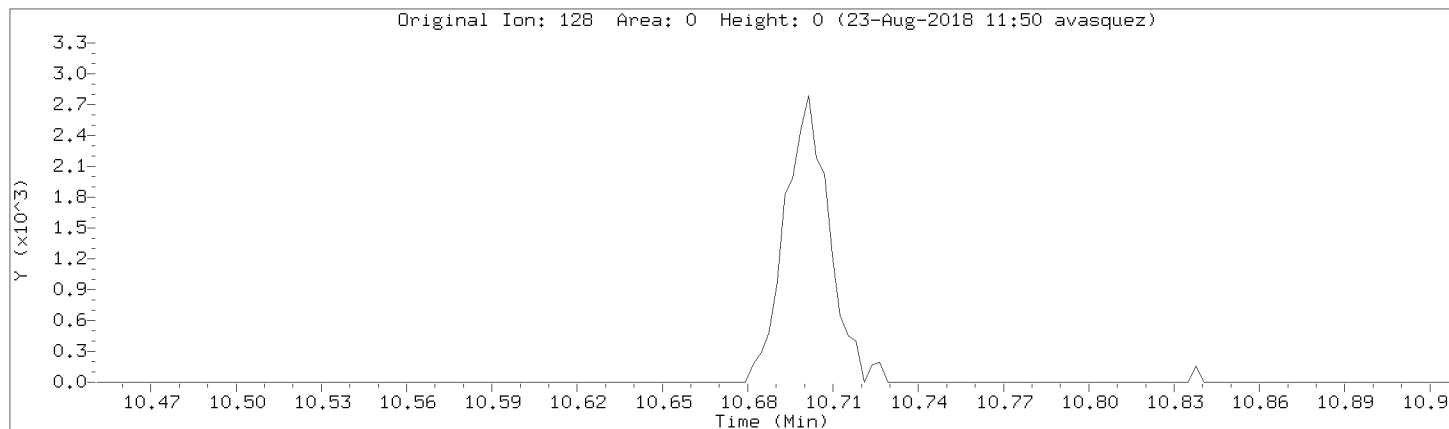
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Naphthalene

Review Code: NI

CAS Number: 91-20-3



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d

Injection Date: 22-AUG-2018 14:19

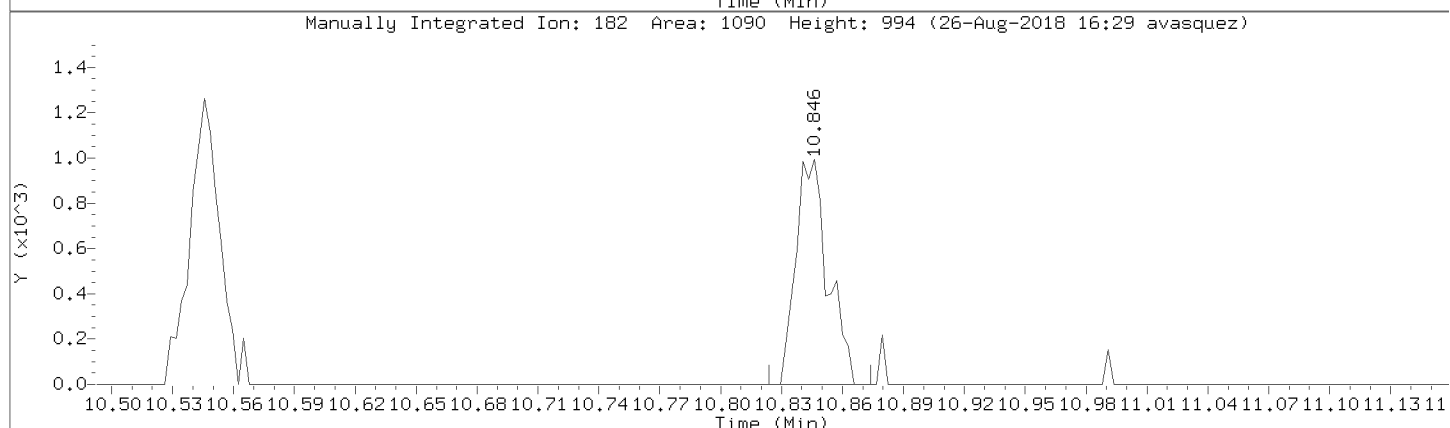
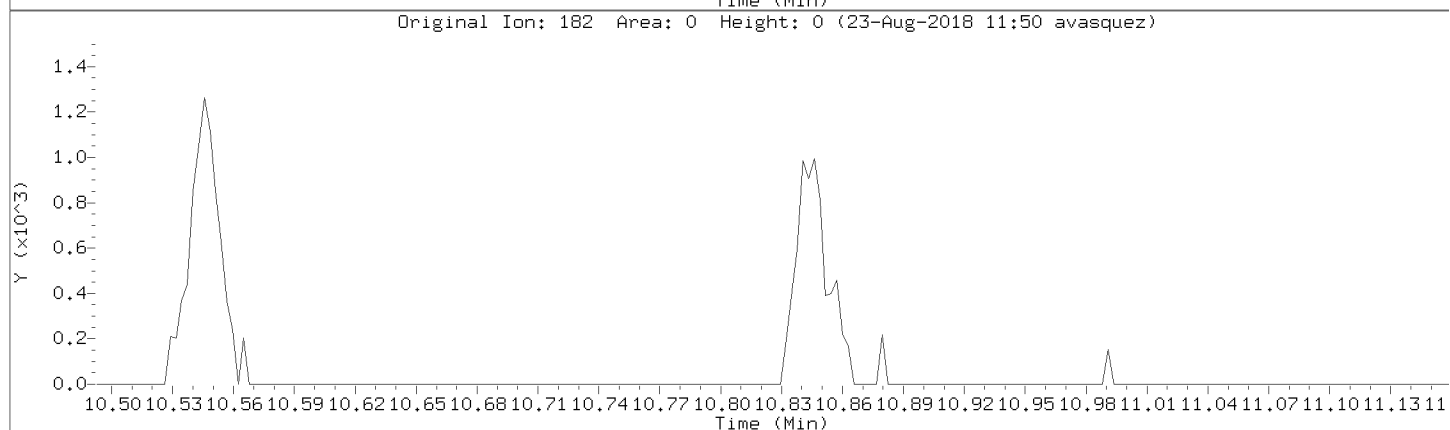
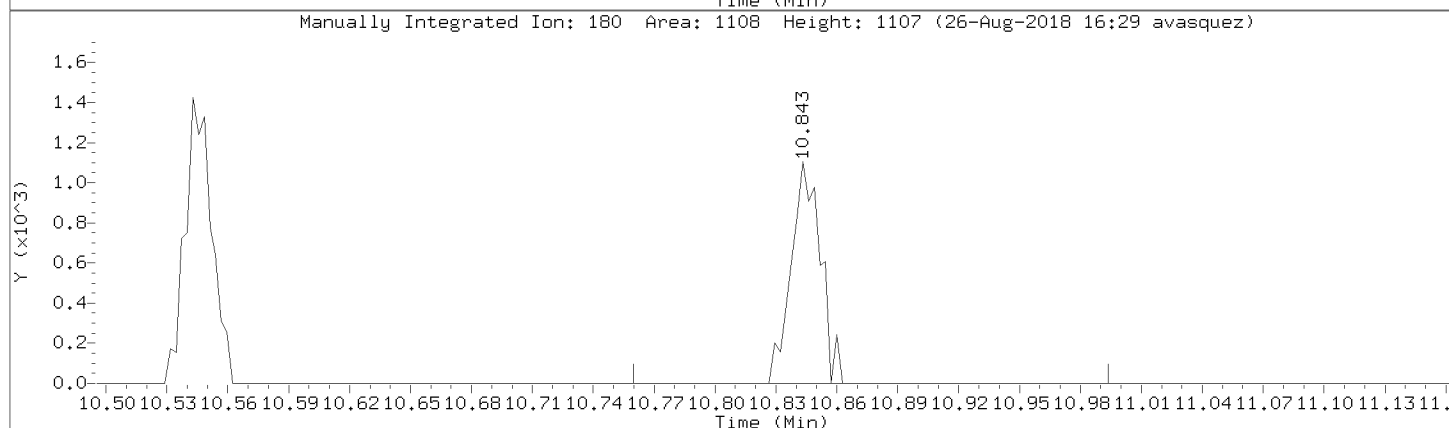
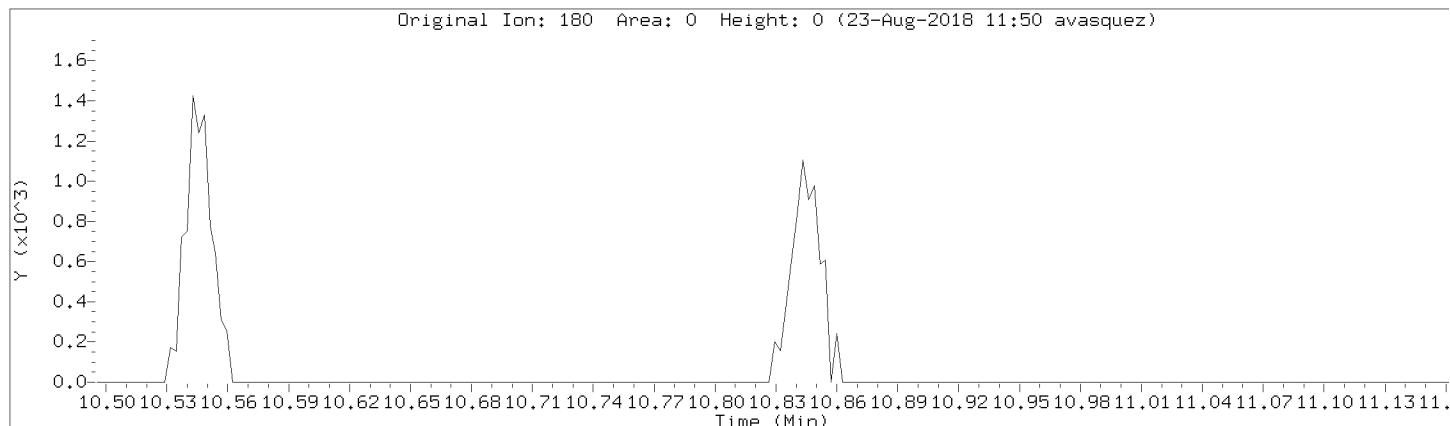
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

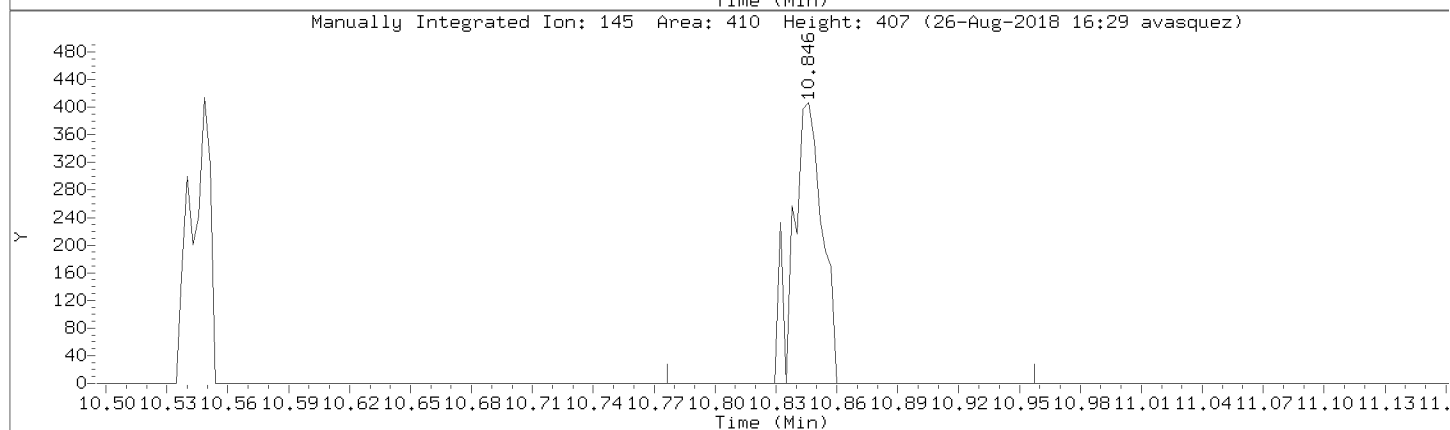
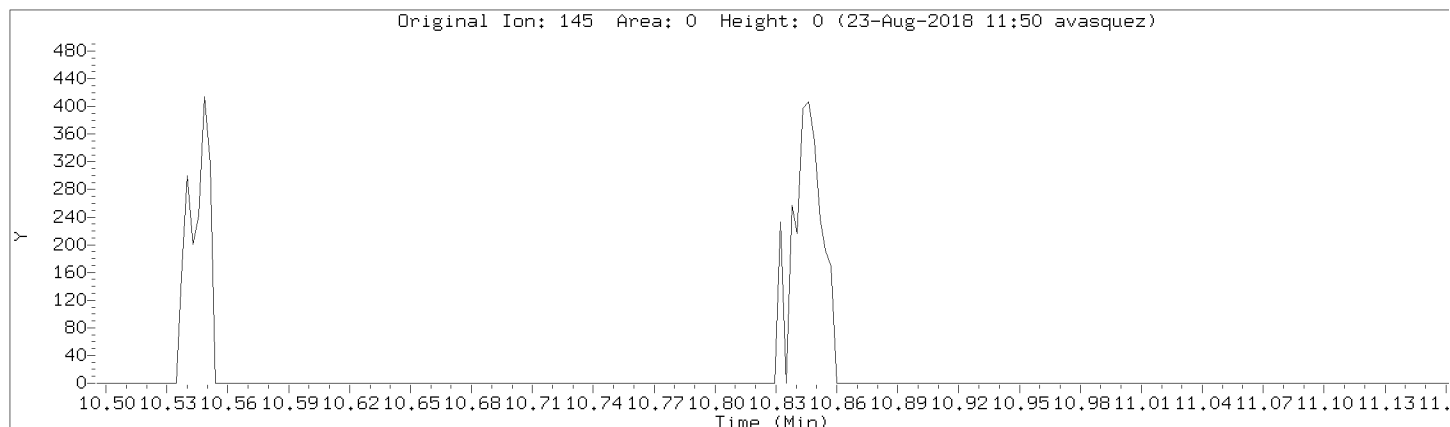
Compound: 1,2,3-Trichlorobenzene

Review Code: NI

CAS Number: 87-61-6



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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



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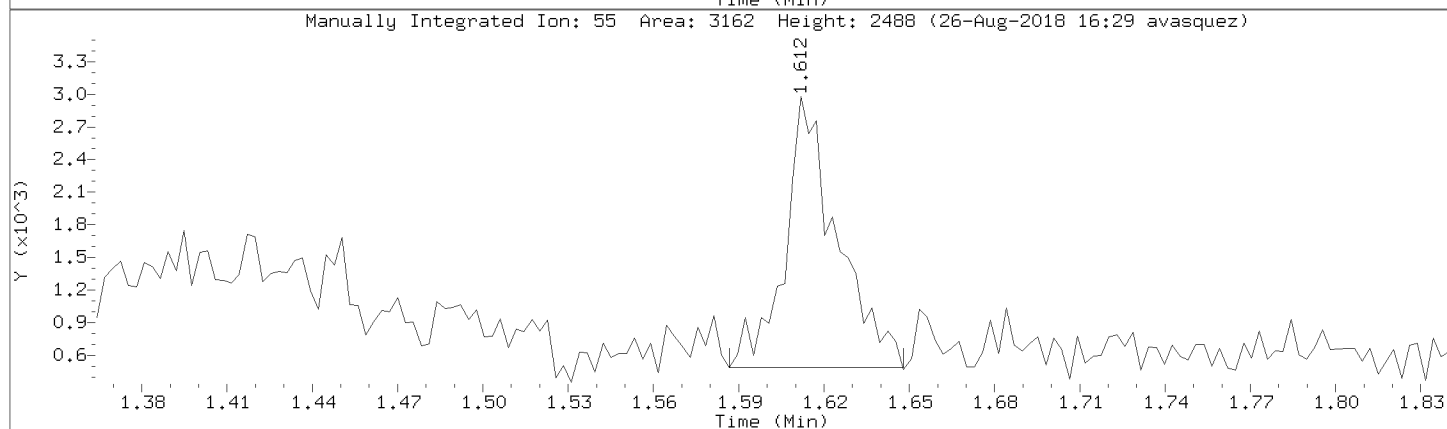
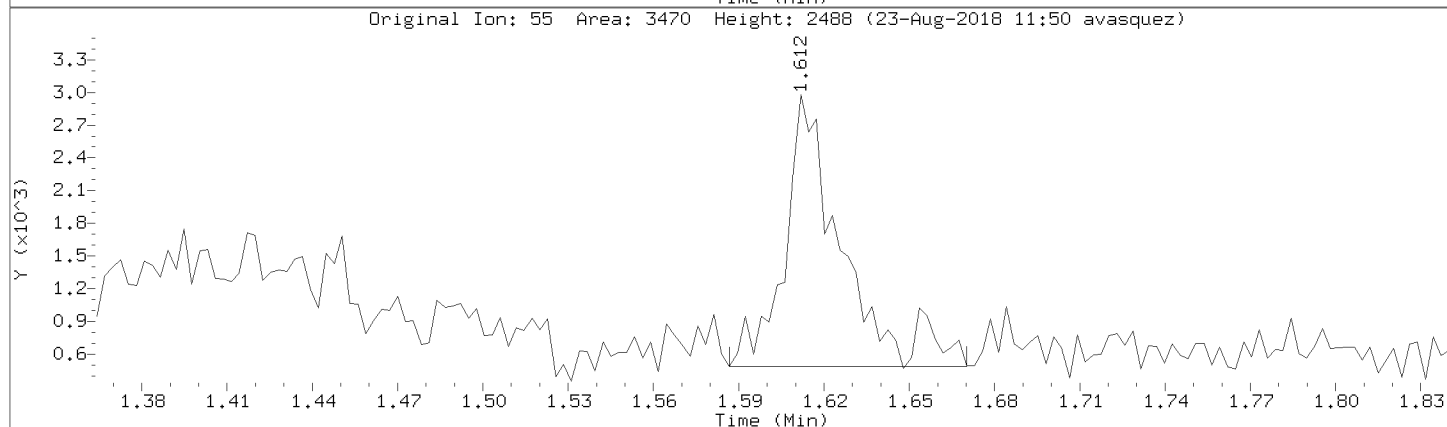
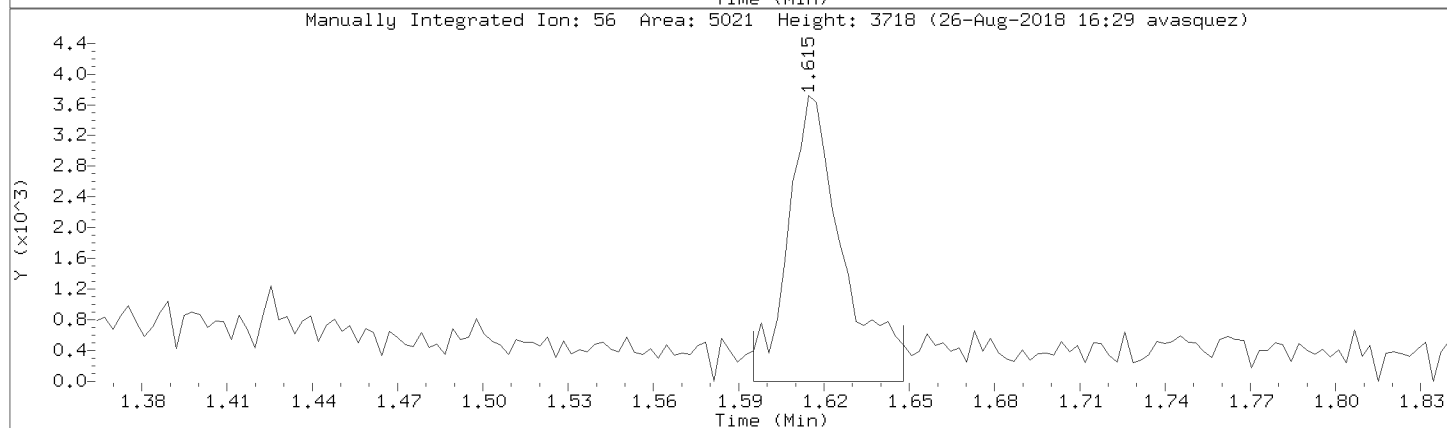
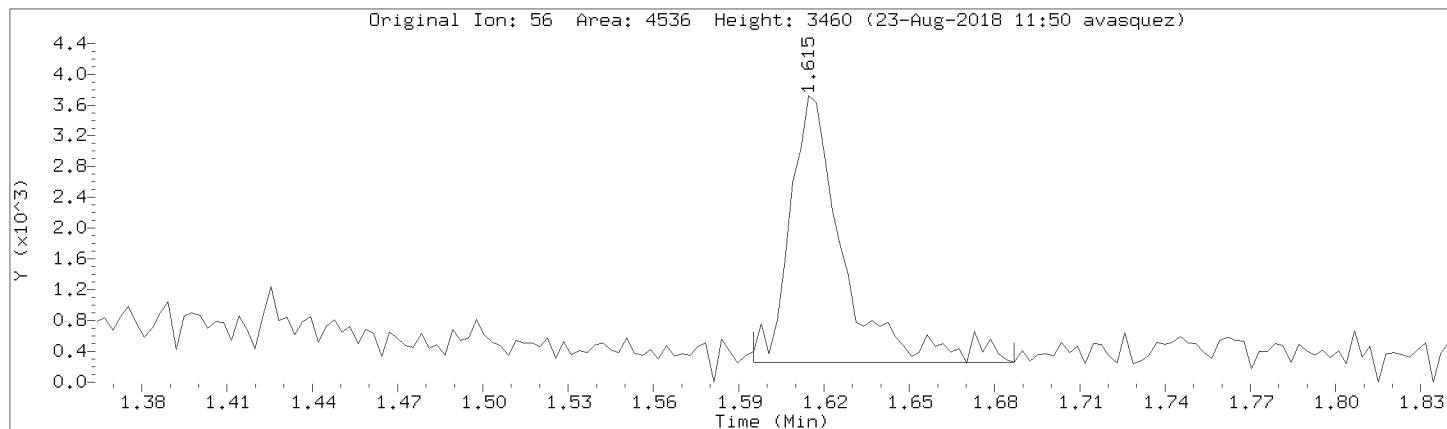
Injection Date: 22-AUG-2018 14:19

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Acrolein Review Code: NI

CAS Number: 107-02-8



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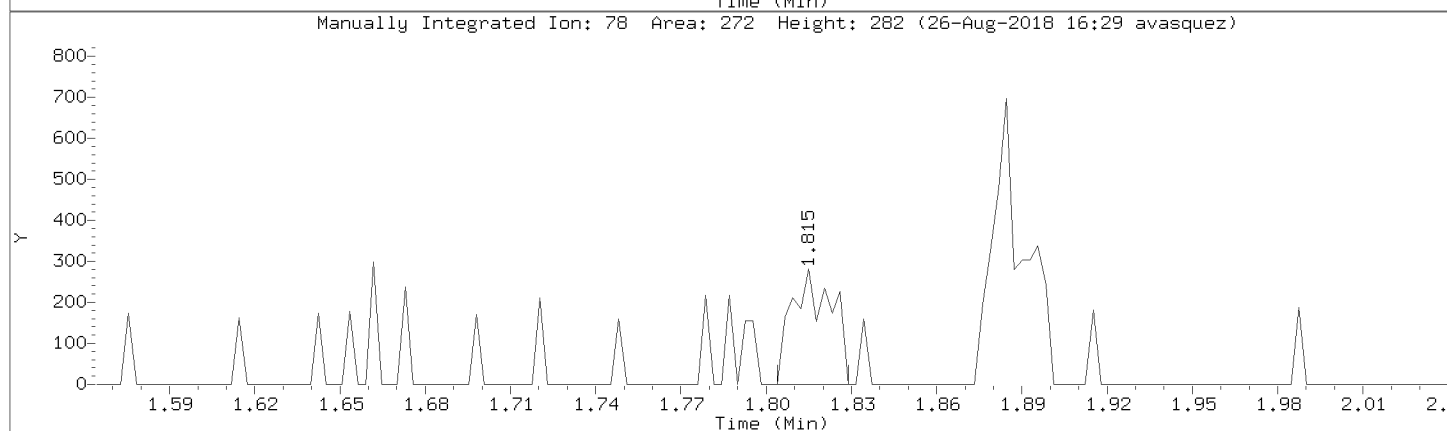
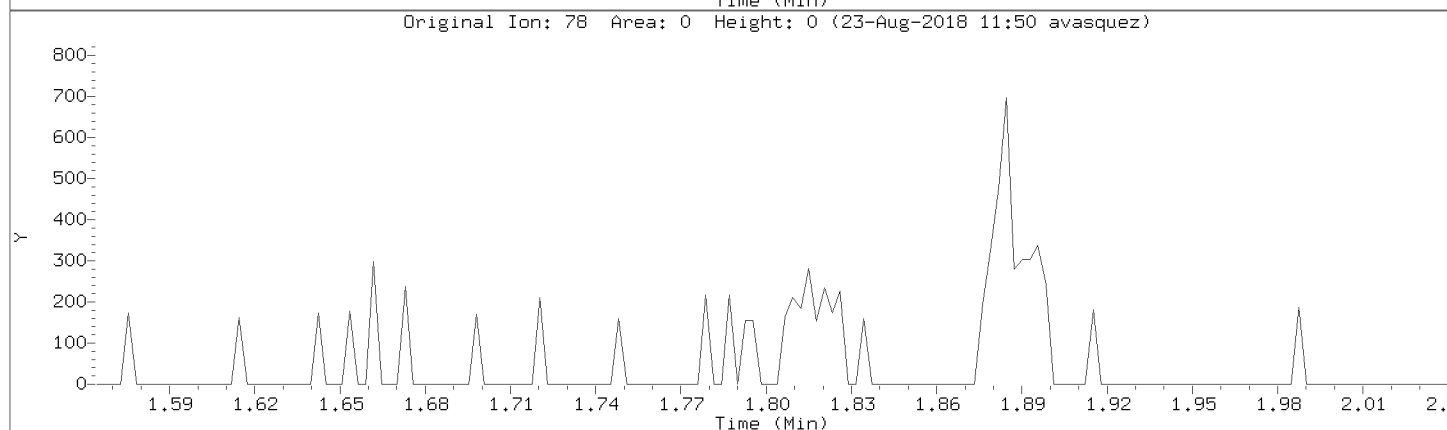
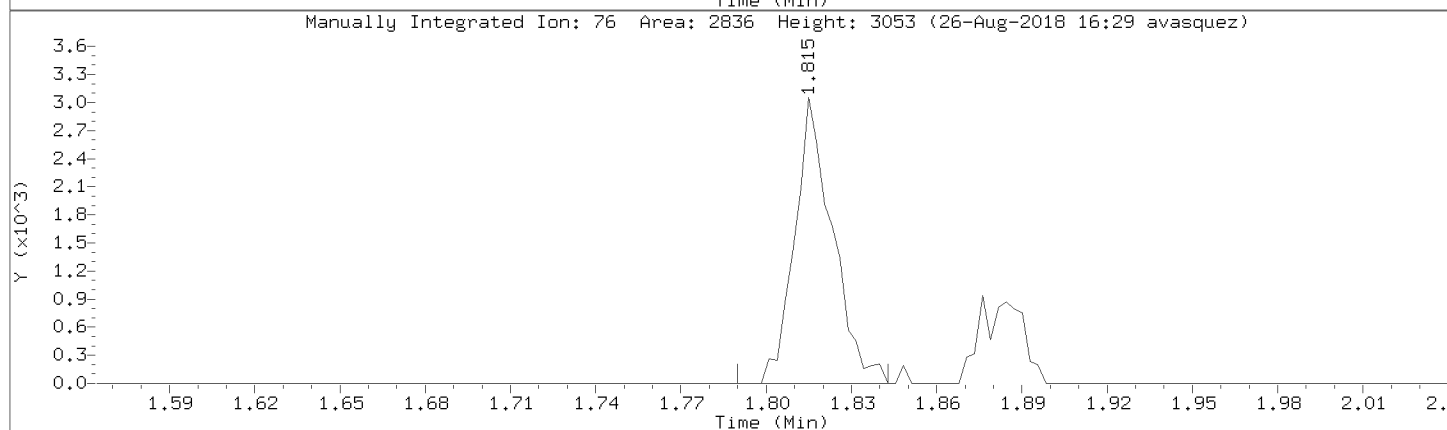
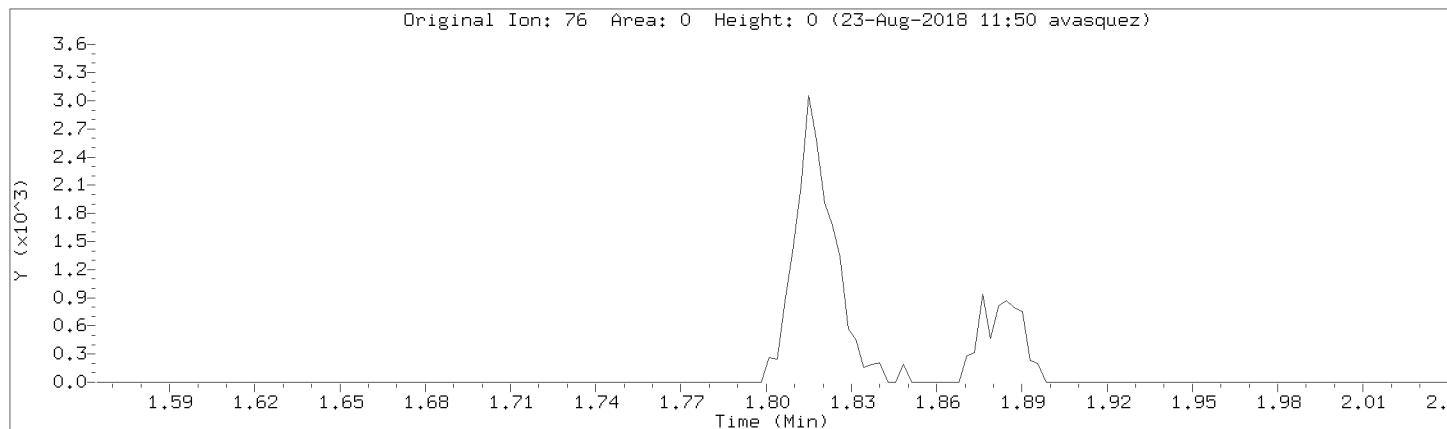
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Carbon Disulfide

Review Code: NI

CAS Number: 75-15-0



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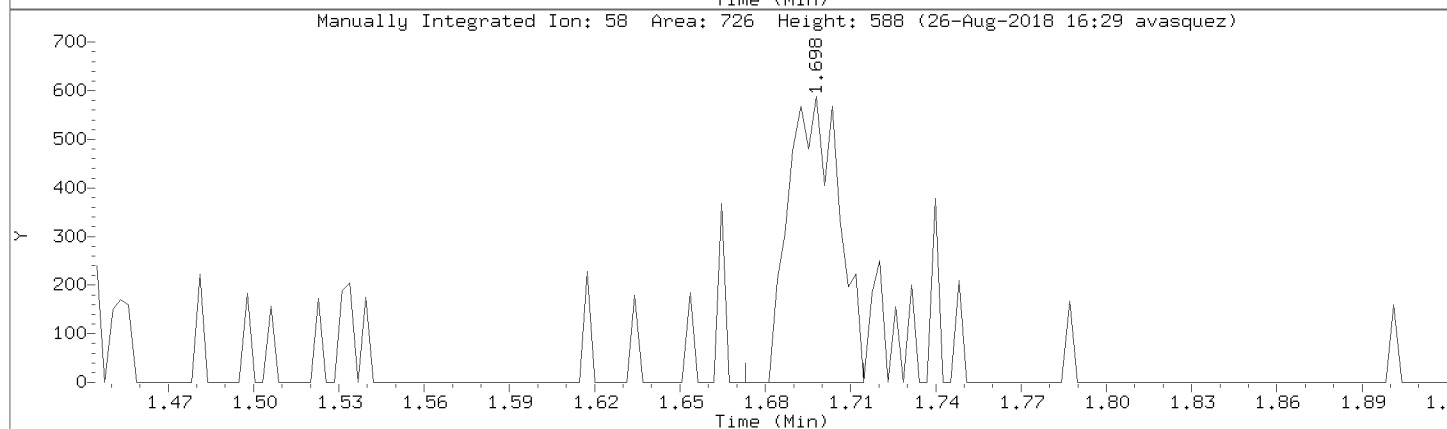
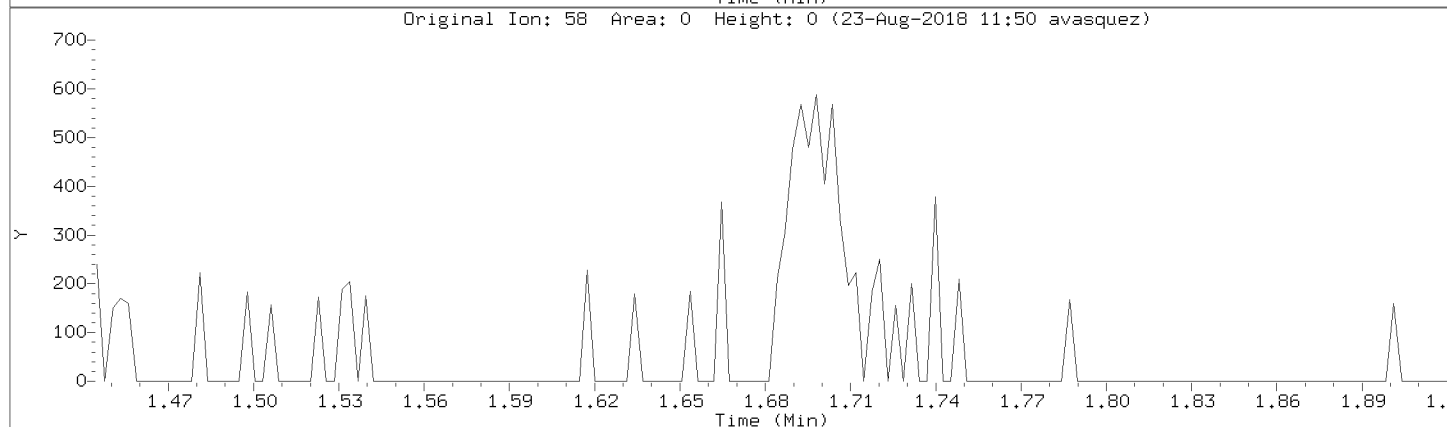
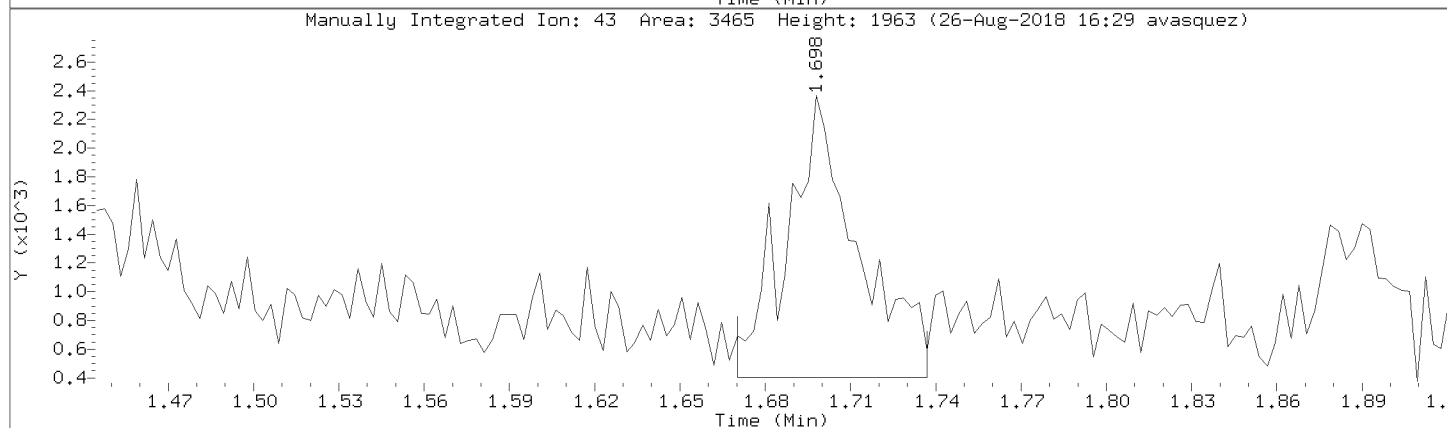
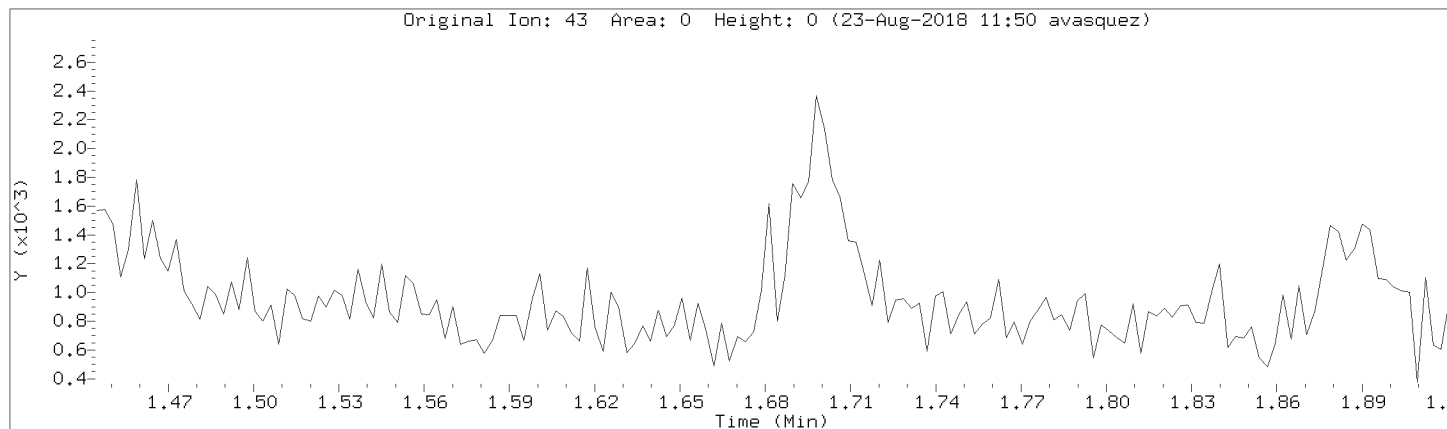
Injection Date: 22-AUG-2018 14:19

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Acetone Review Code: NI

CAS Number: 67-64-1



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Injection Date: 22-AUG-2018 14:19

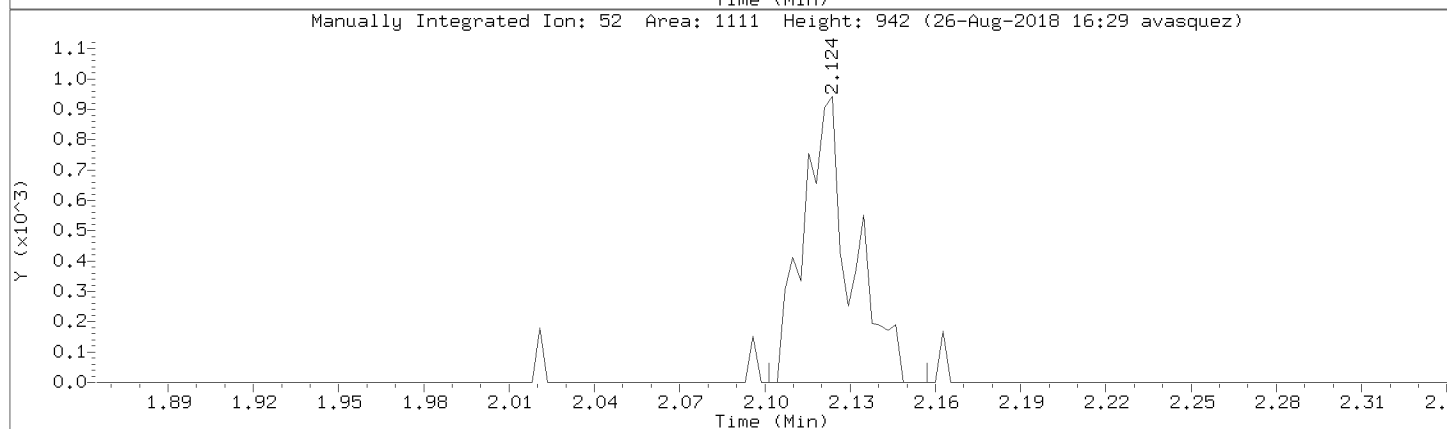
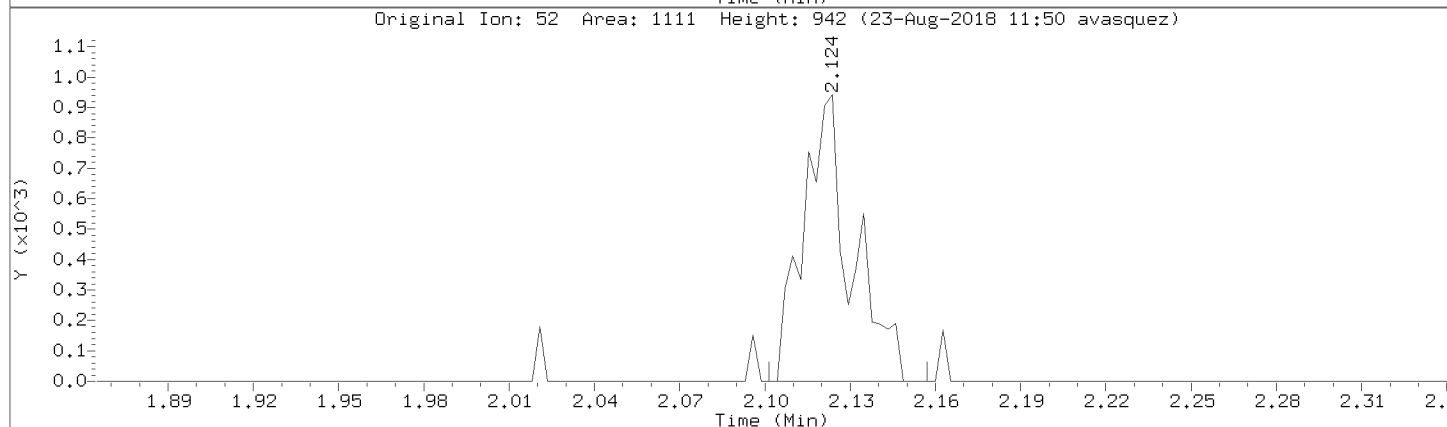
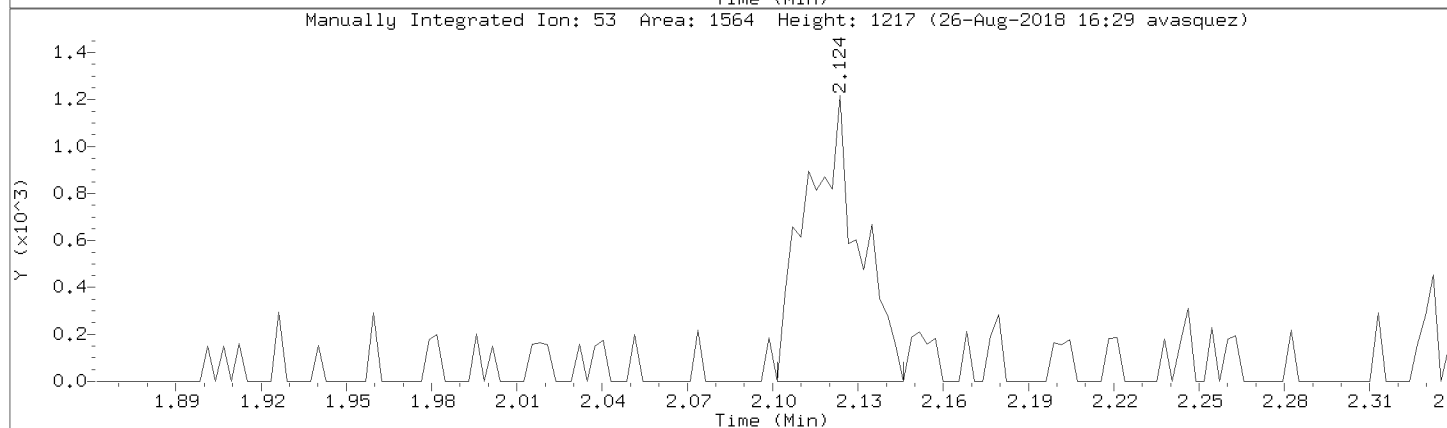
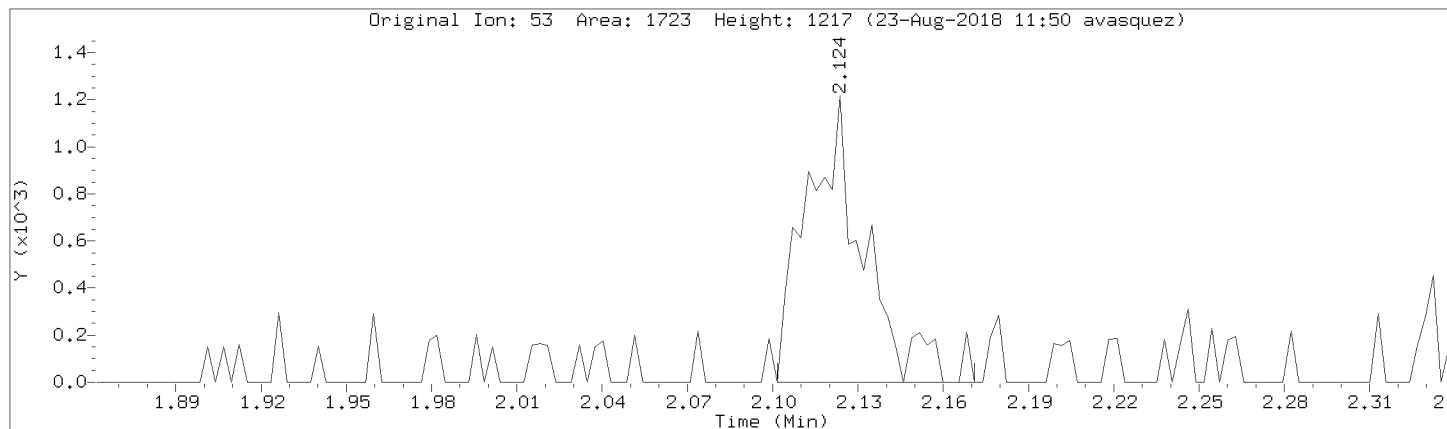
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Acrylonitrile

Review Code: GT

CAS Number: 107-13-1



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Injection Date: 22-AUG-2018 14:19

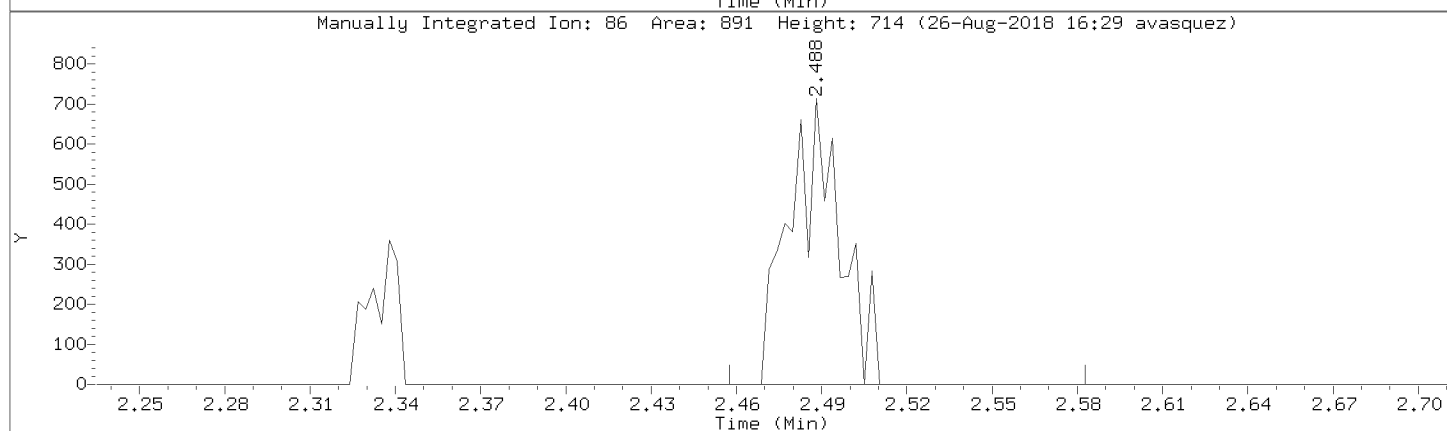
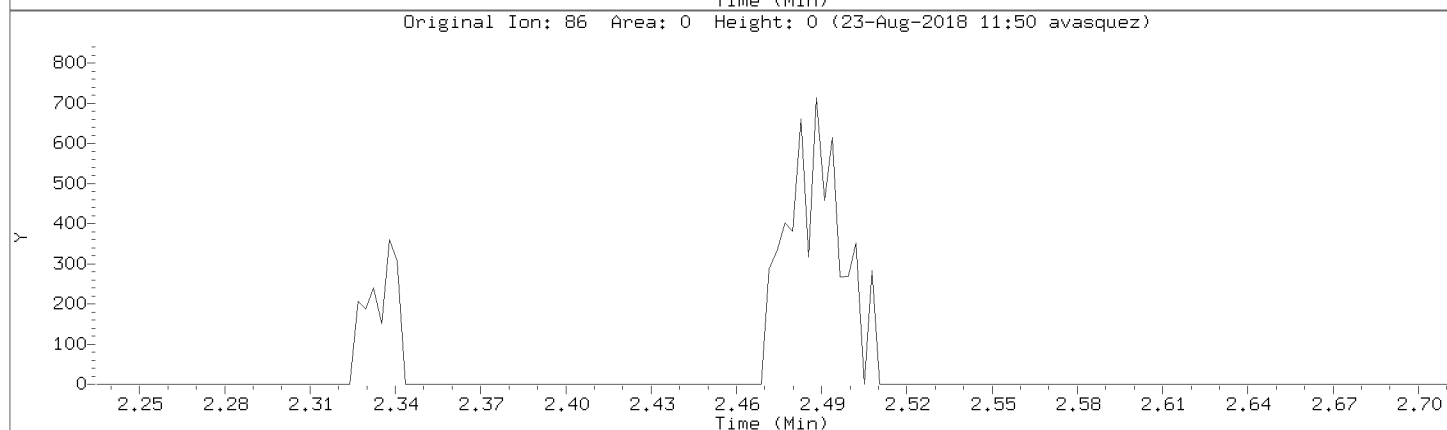
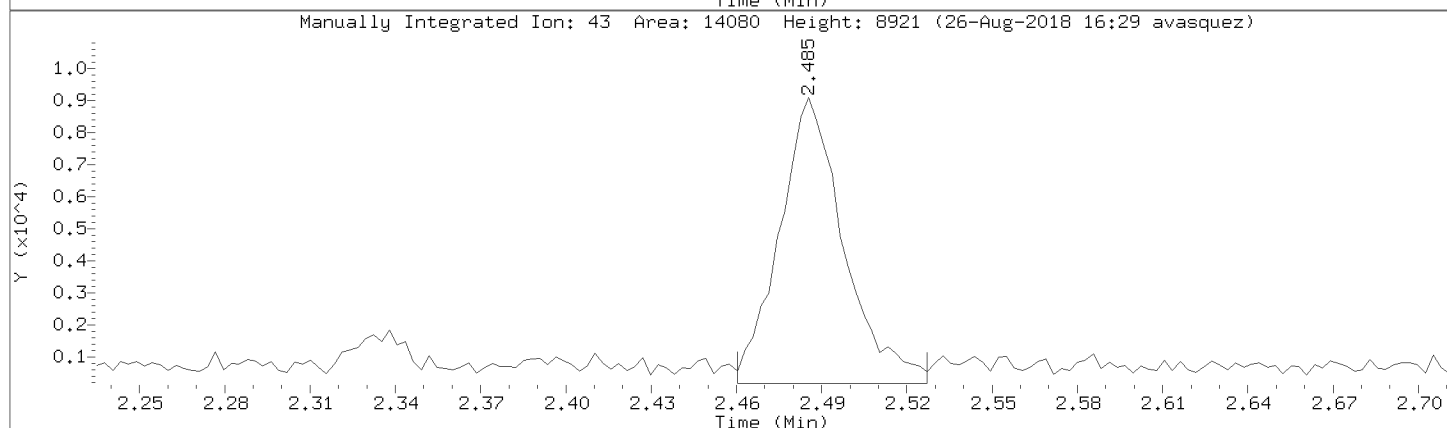
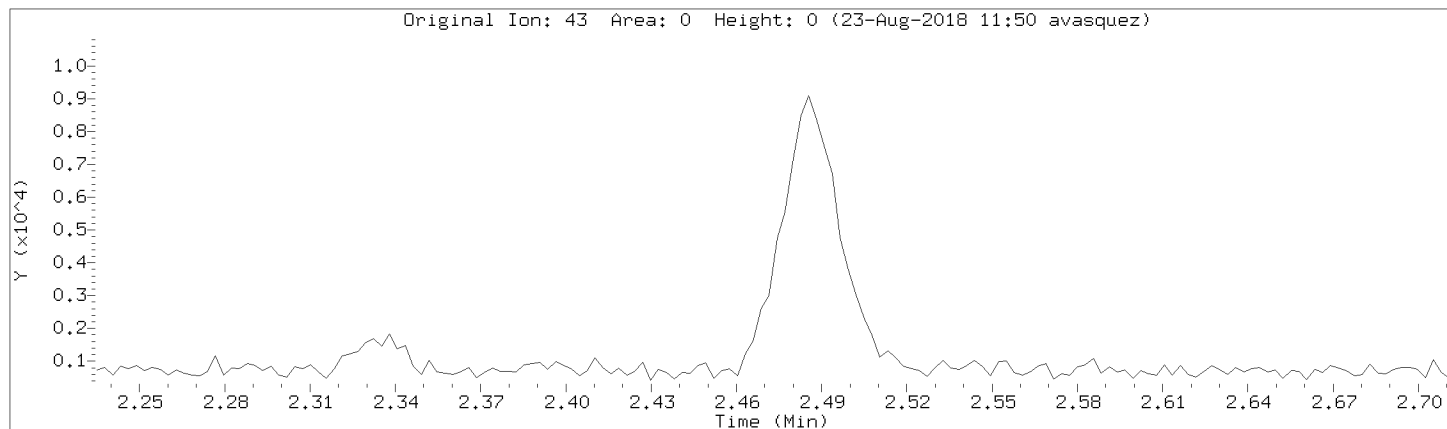
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Vinyl Acetate

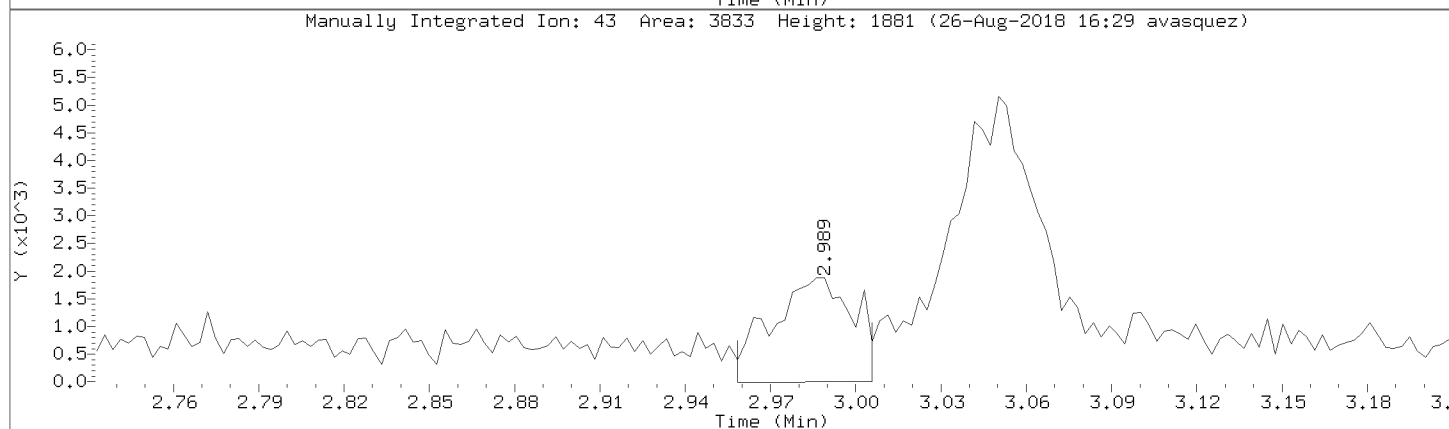
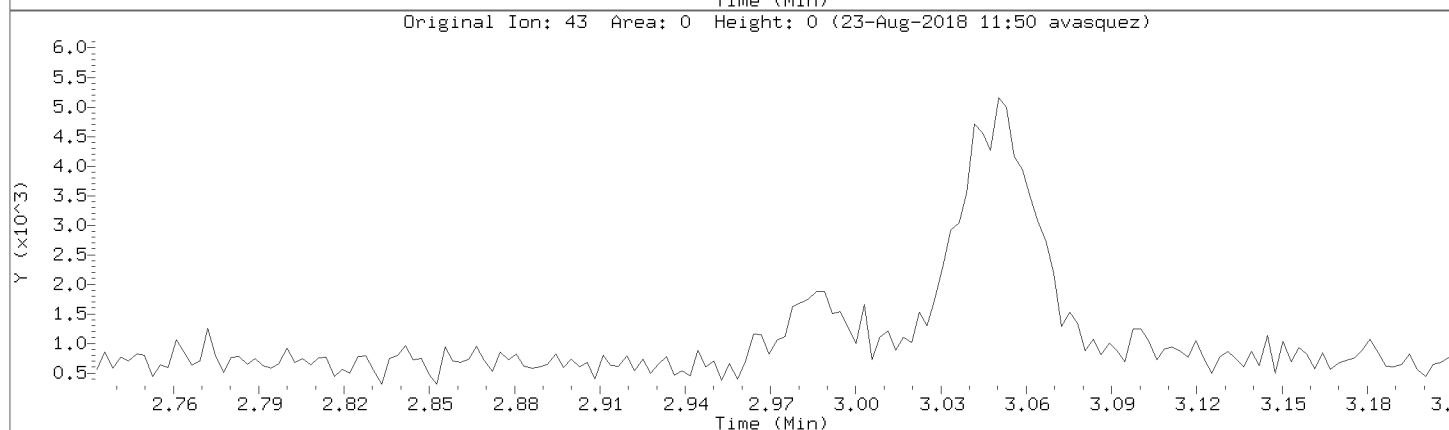
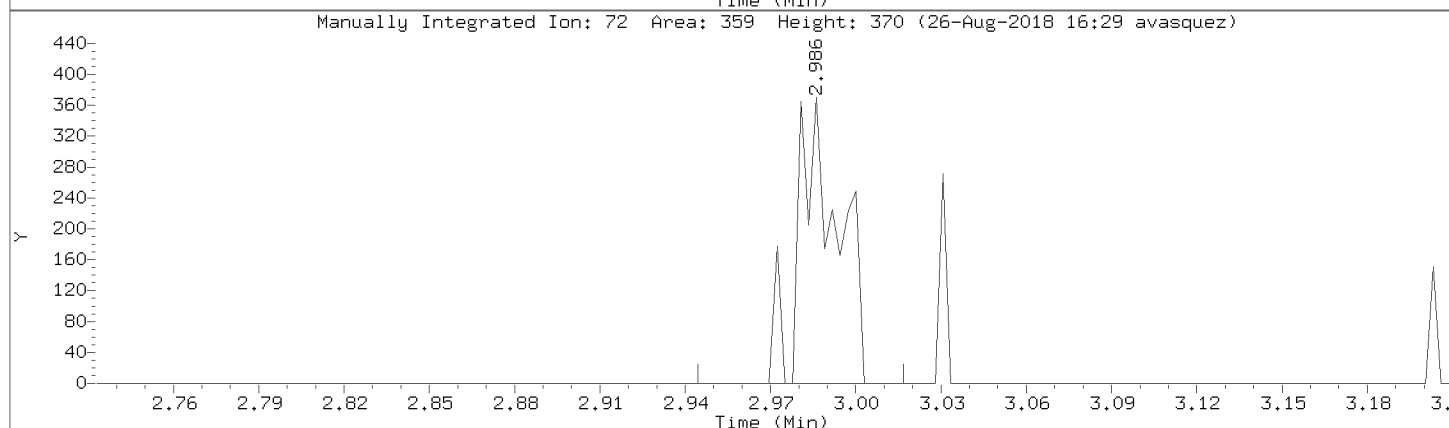
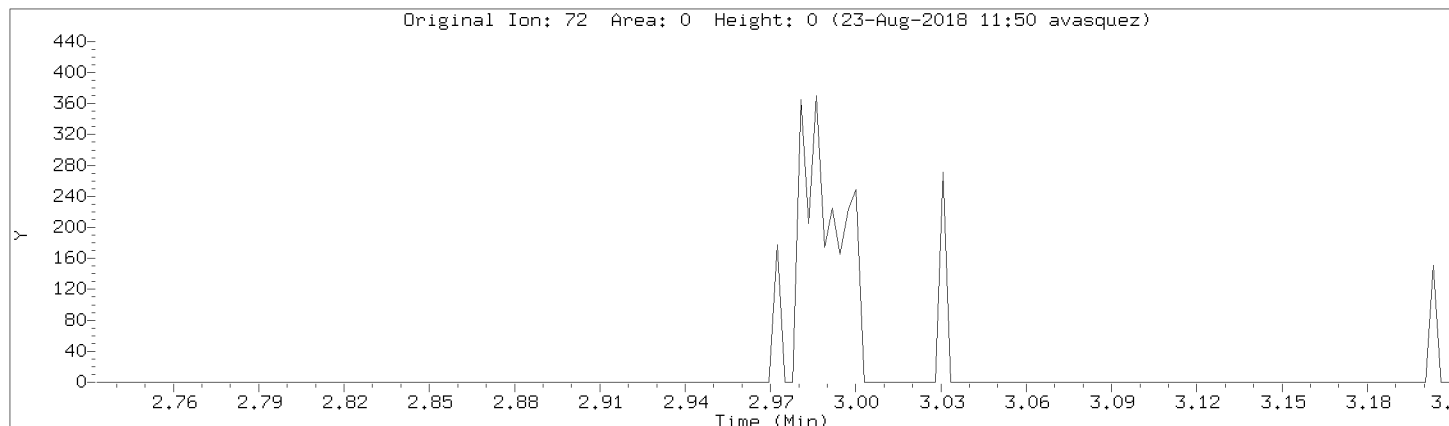
Review Code: NI

CAS Number: 108-05-4

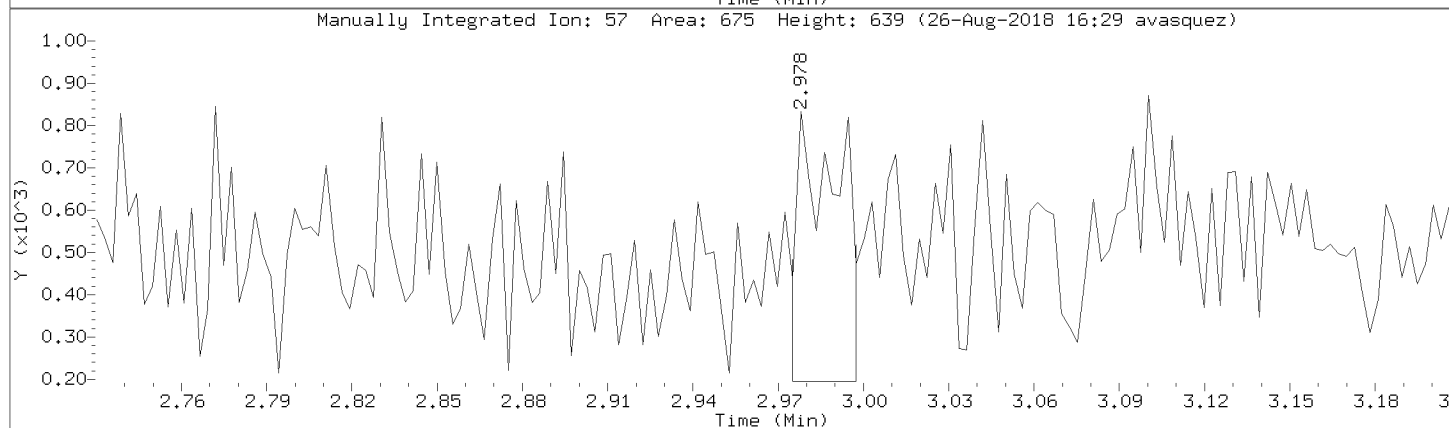
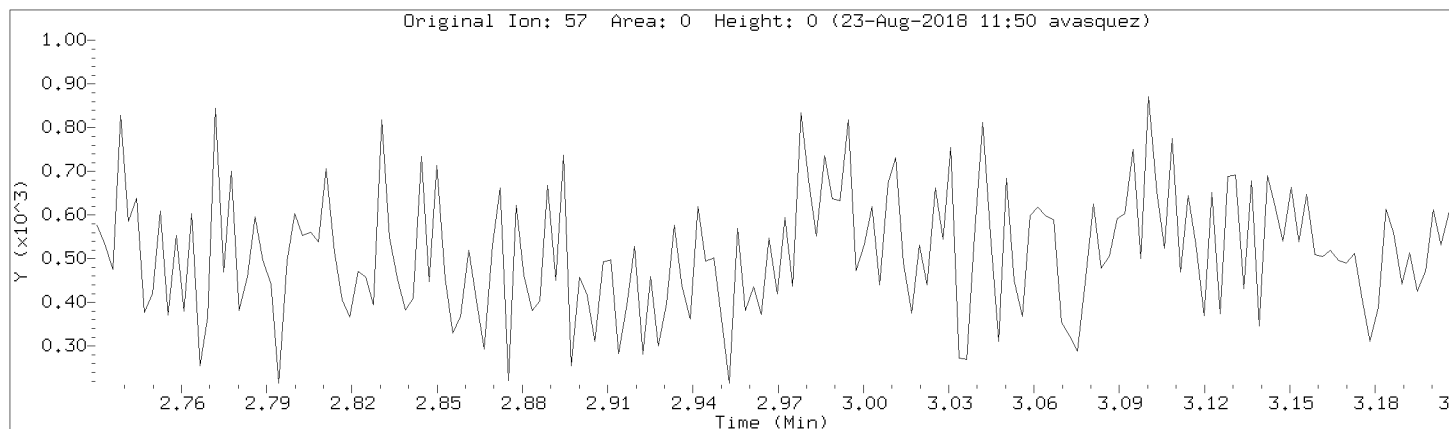


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: 2-Butanone Review Code: NI
CAS Number: 78-93-3



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



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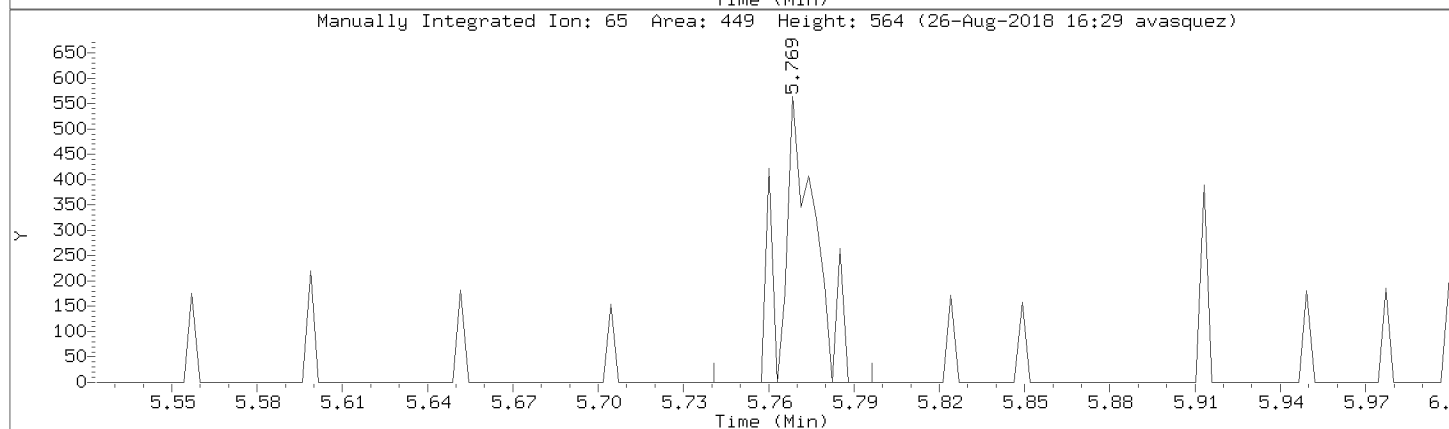
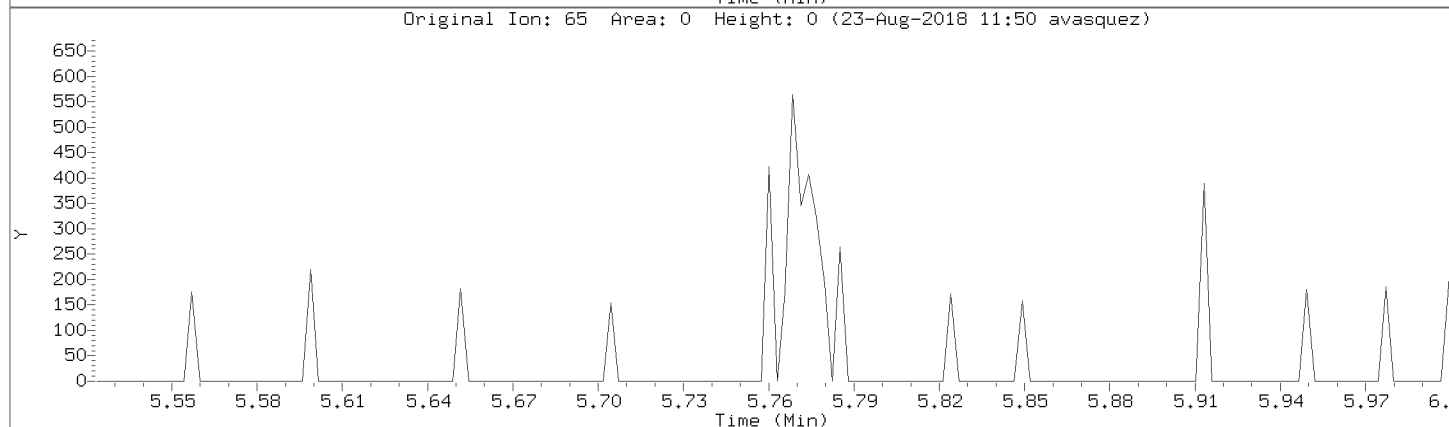
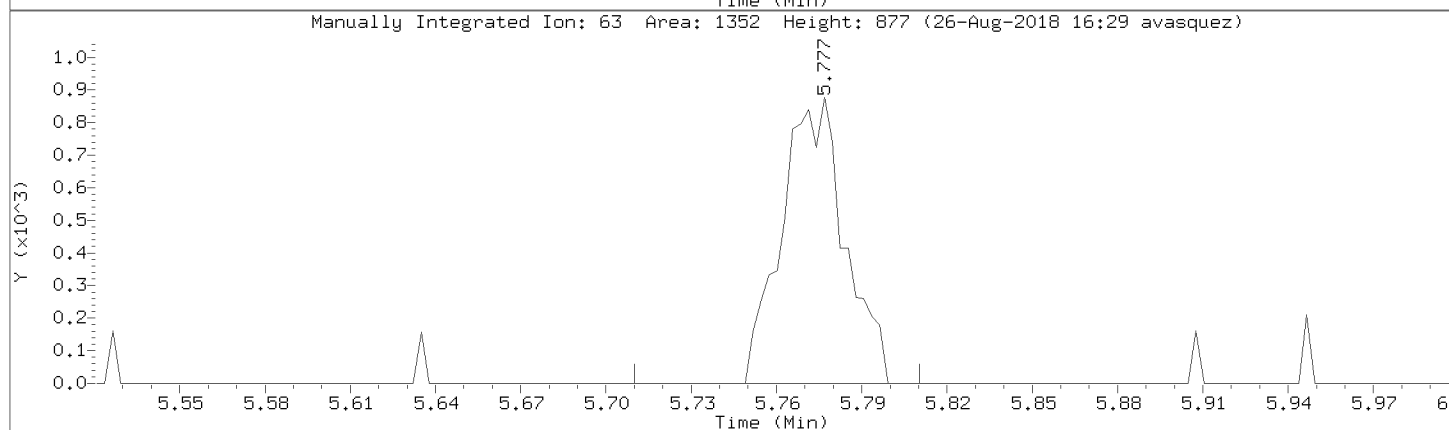
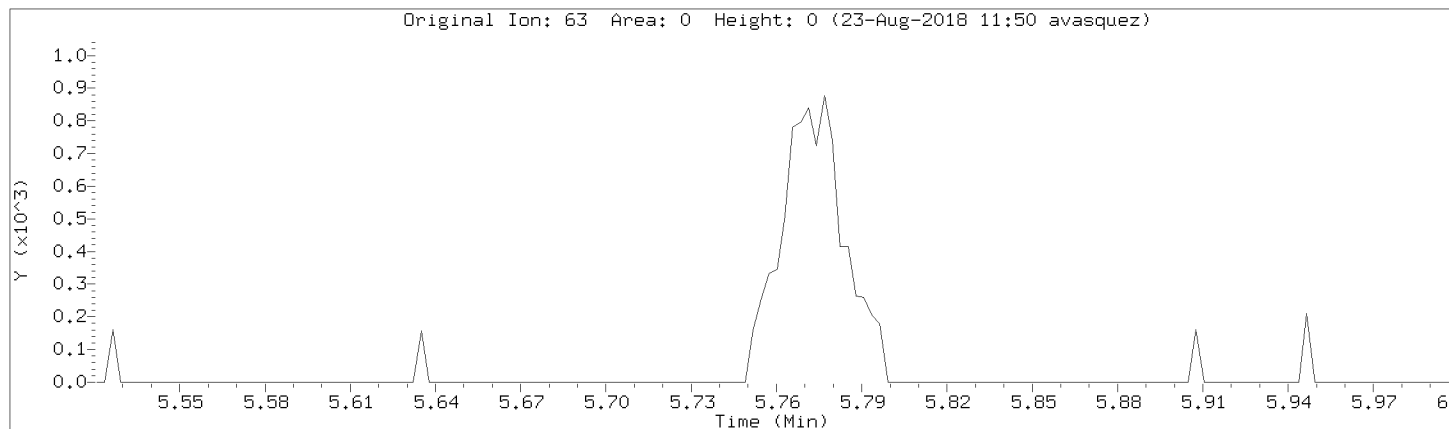
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: 2-Chloroethyl vinyl ether

Review Code: NI

CAS Number: 110-75-8



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Injection Date: 22-AUG-2018 14:19

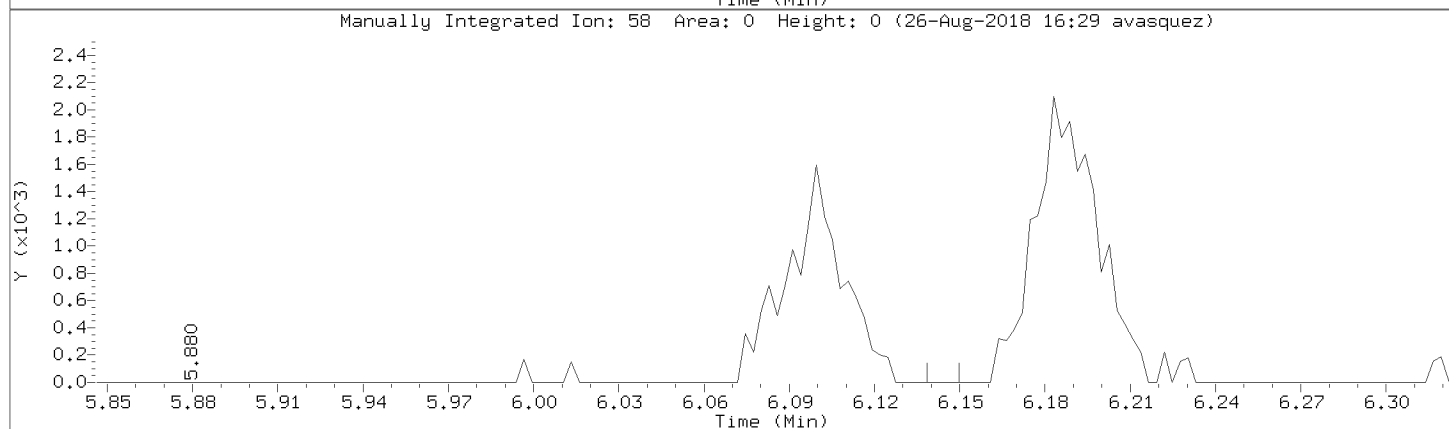
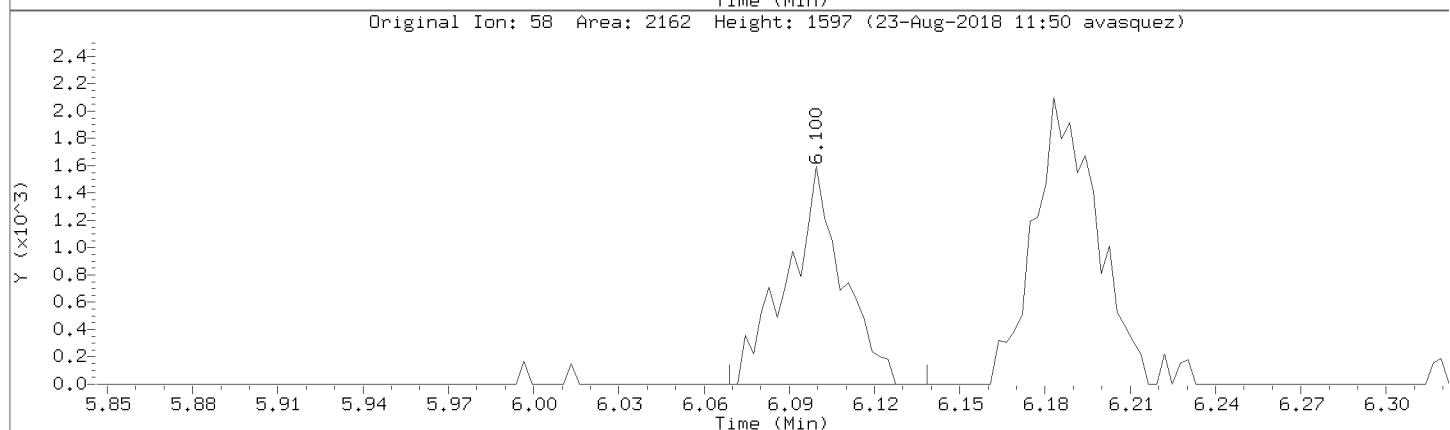
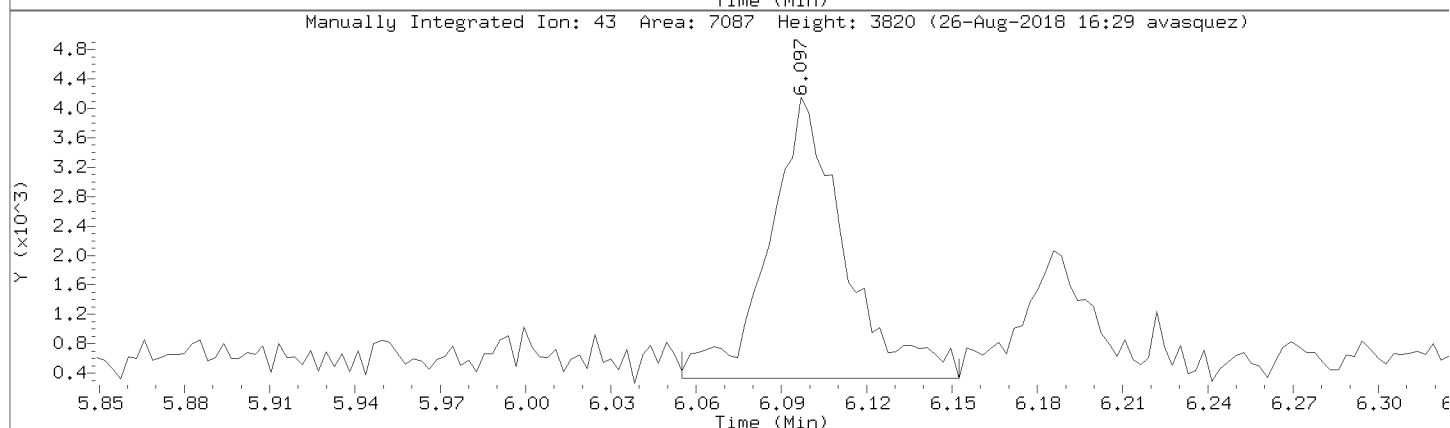
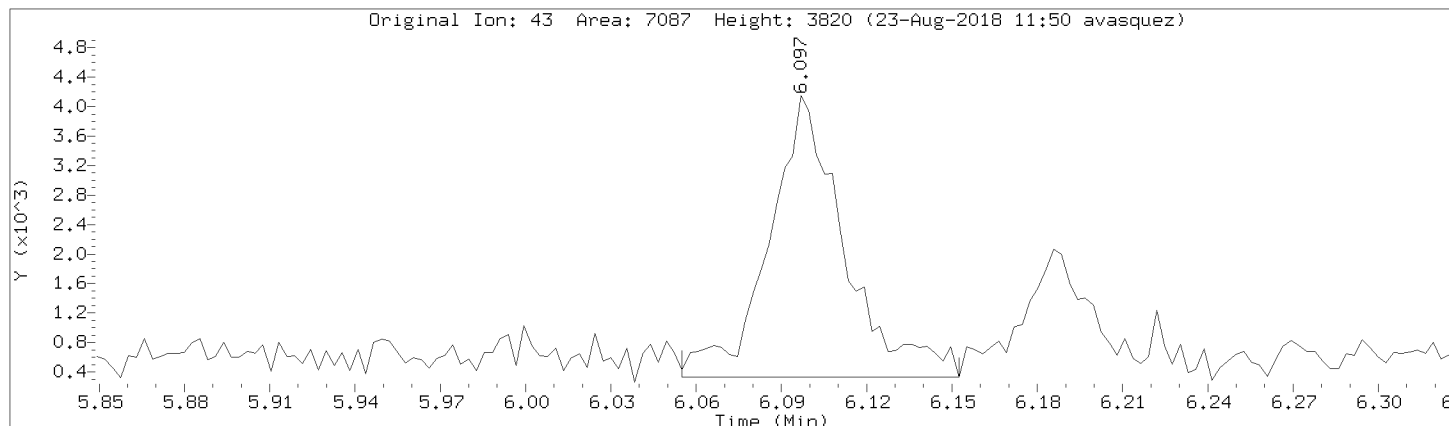
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Lab Sample ID: 8260-CAL1

Compound: 4-Methyl-2-Pentanone

Review Code:

CAS Number: 108-10-1

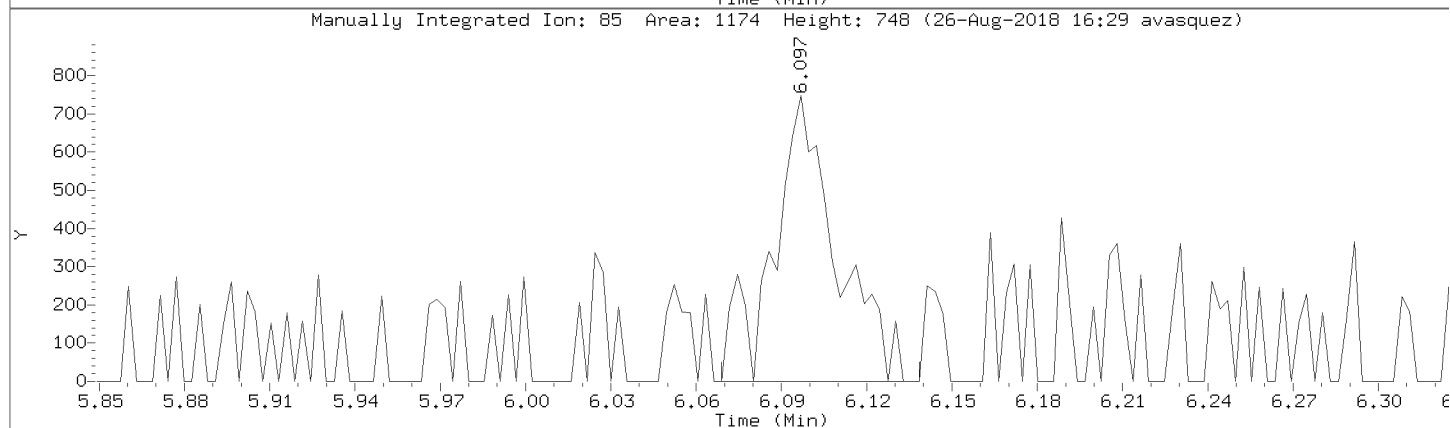
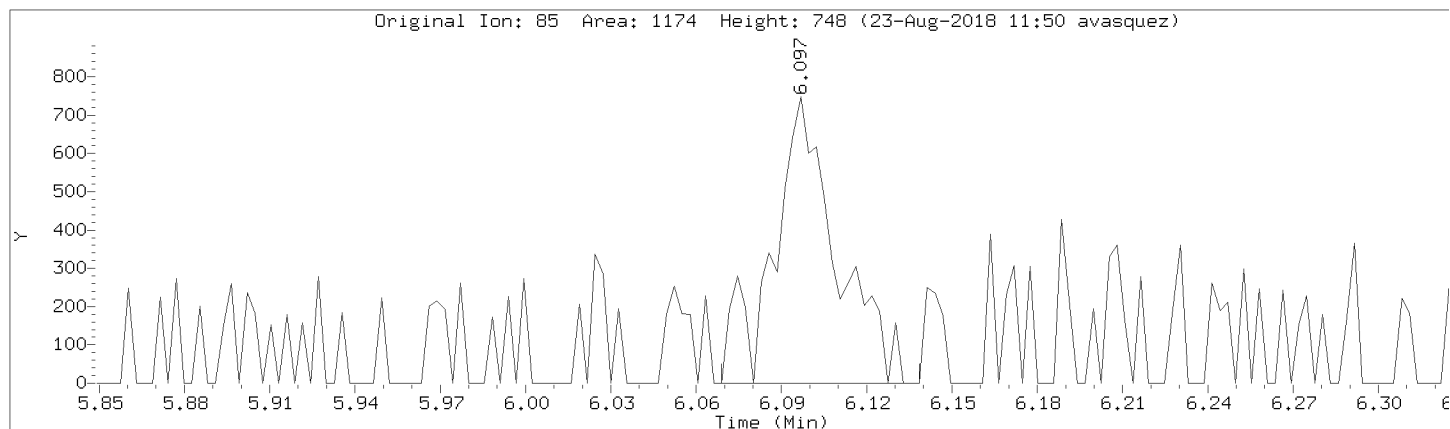


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Injection Date: 22-AUG-2018 14:19

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Lab Sample ID: 8260-CAL1



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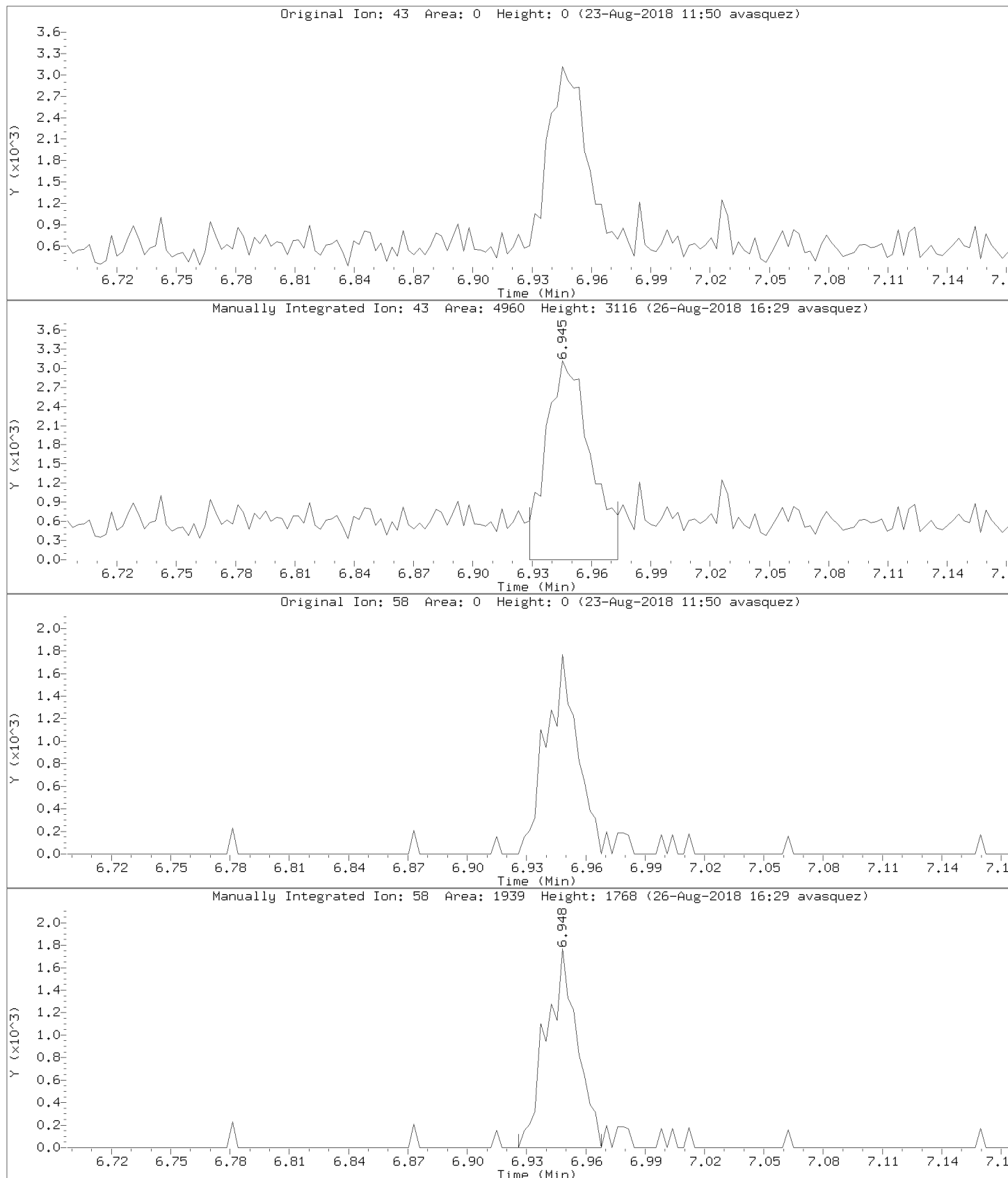
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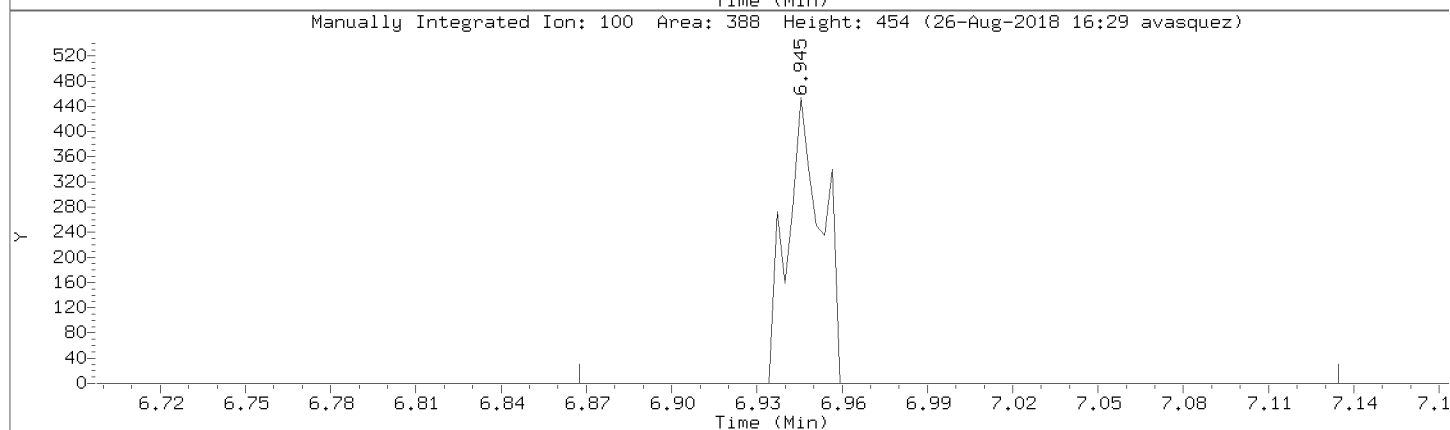
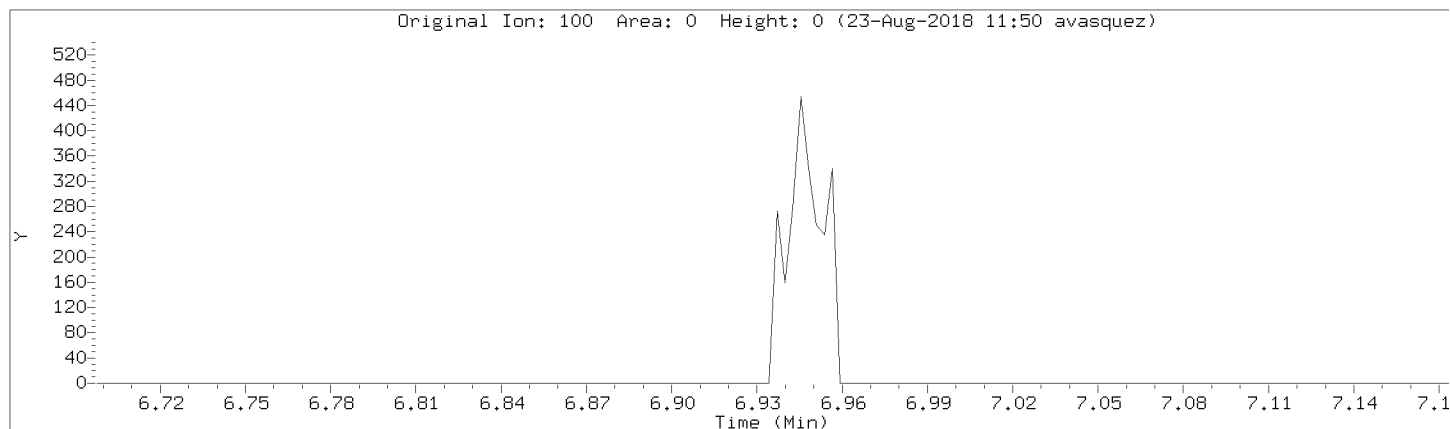
Compound: 2-Hexanone

Review Code: NI

CAS Number: 591-78-6



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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



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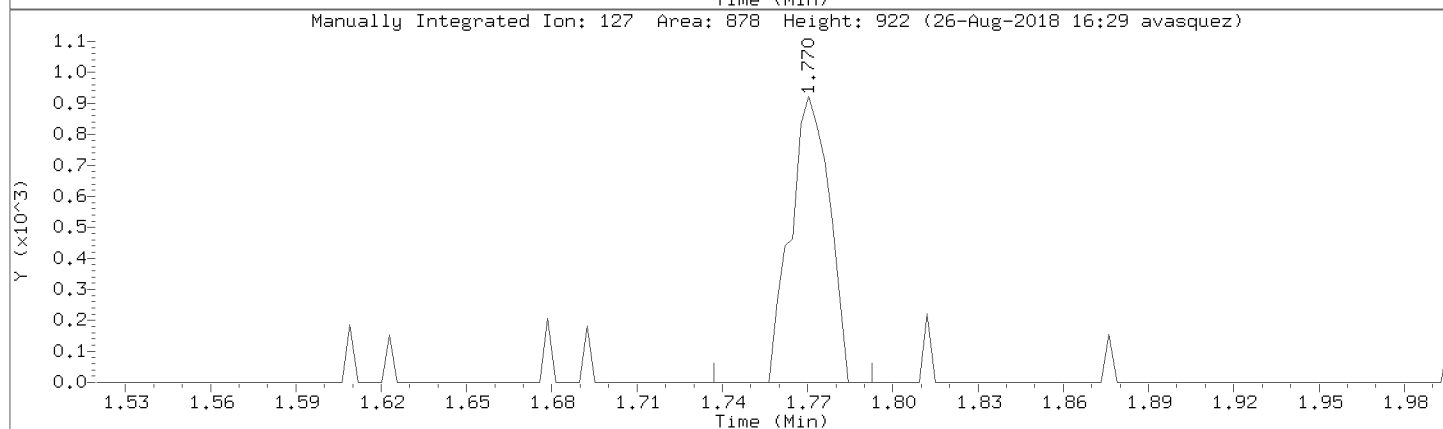
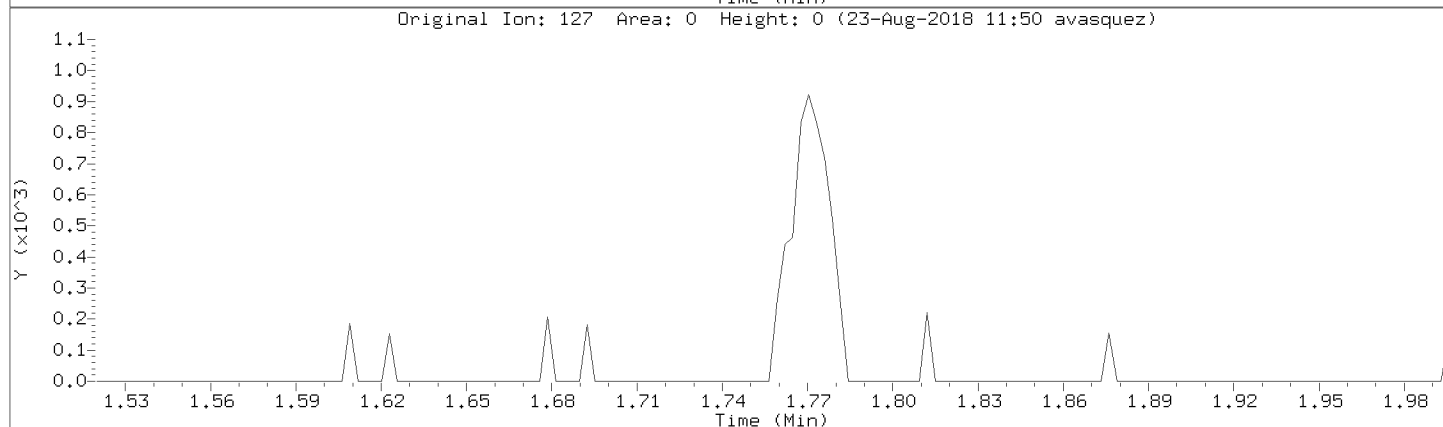
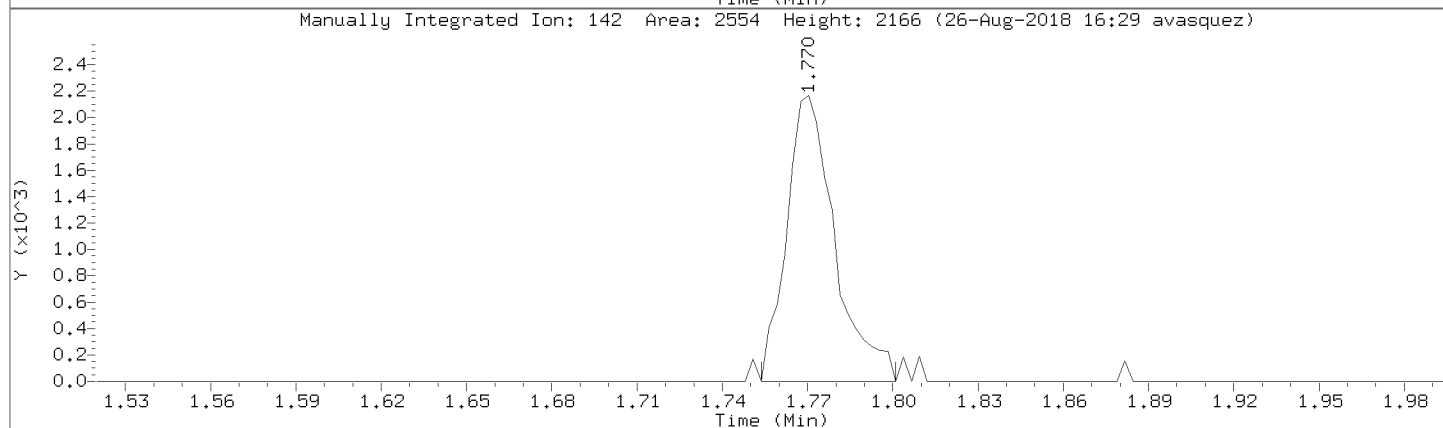
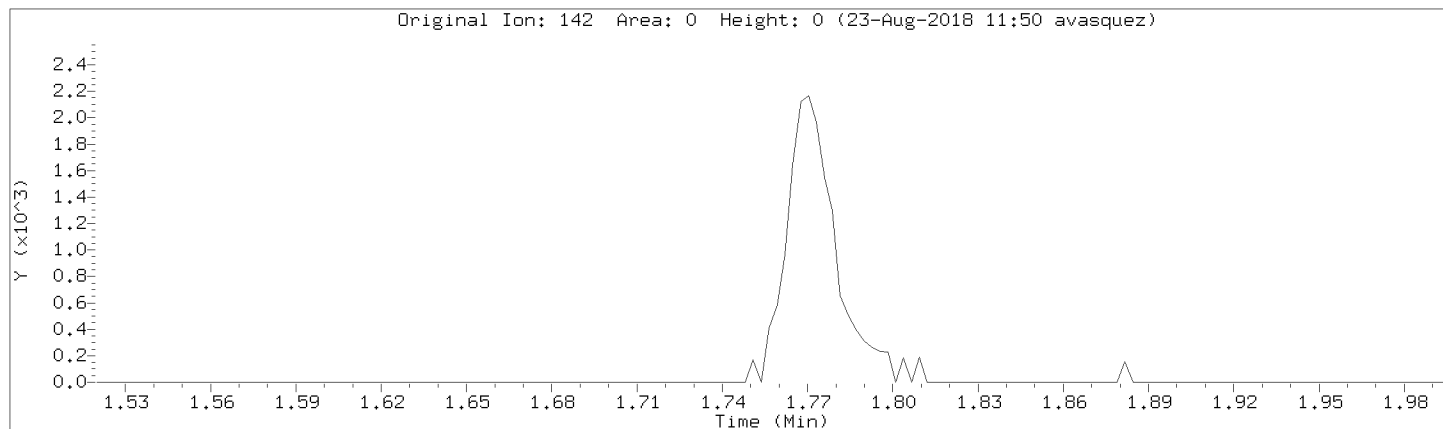
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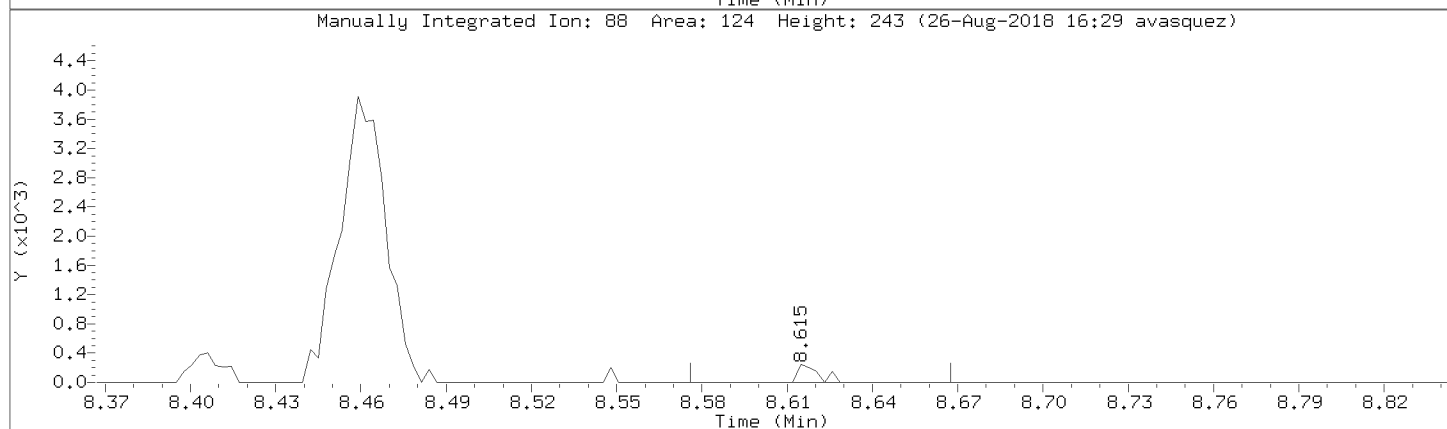
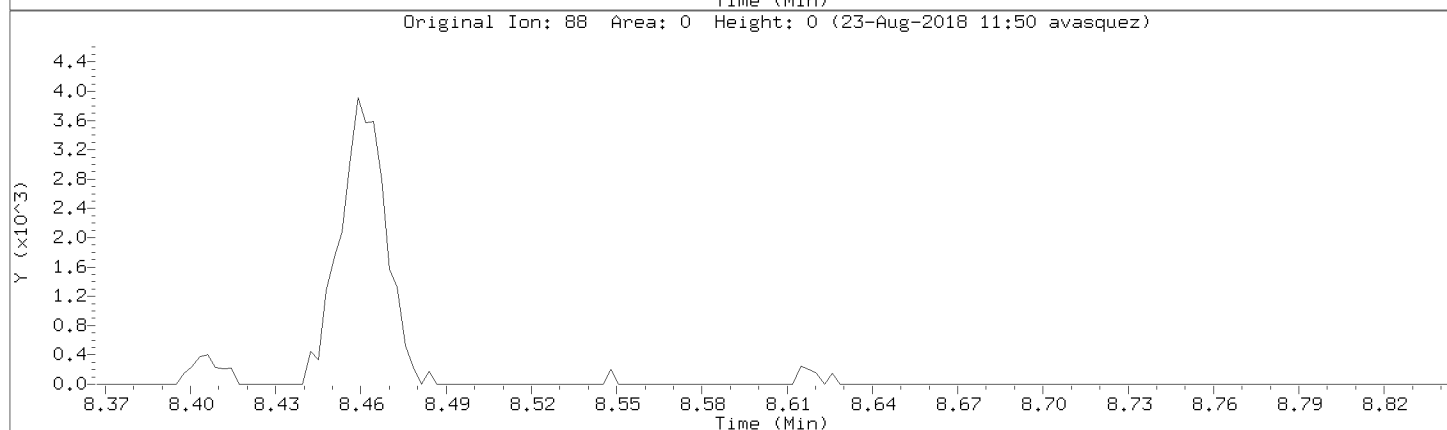
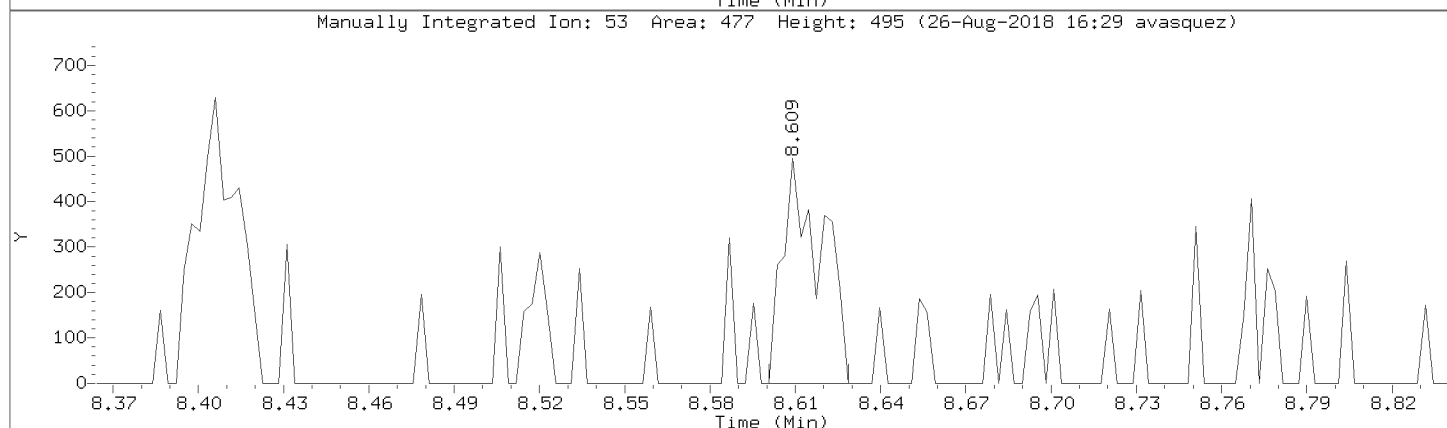
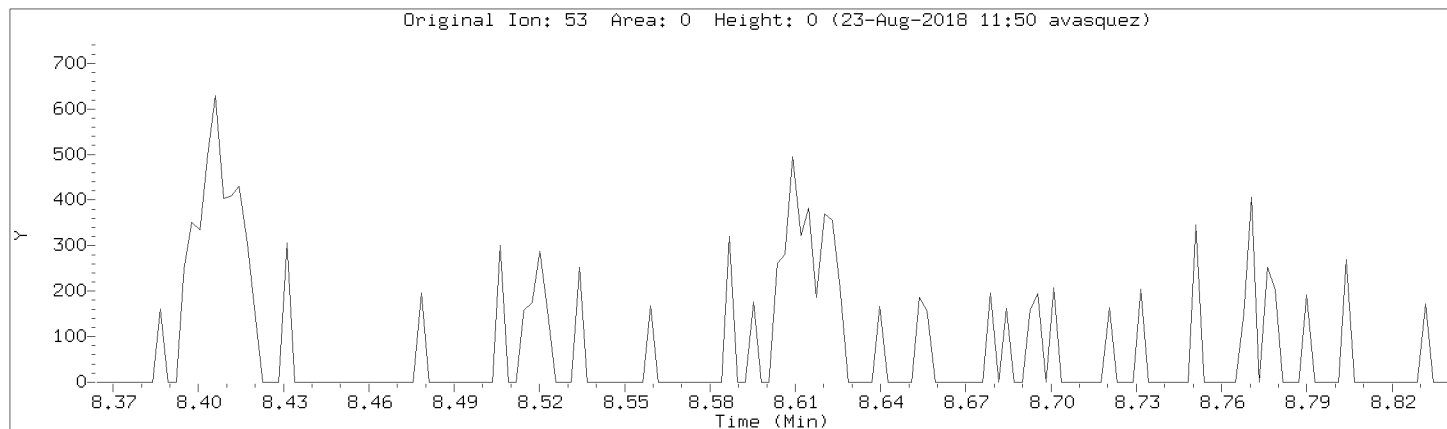
Compound: Iodomethane Review Code: NI

CAS Number:

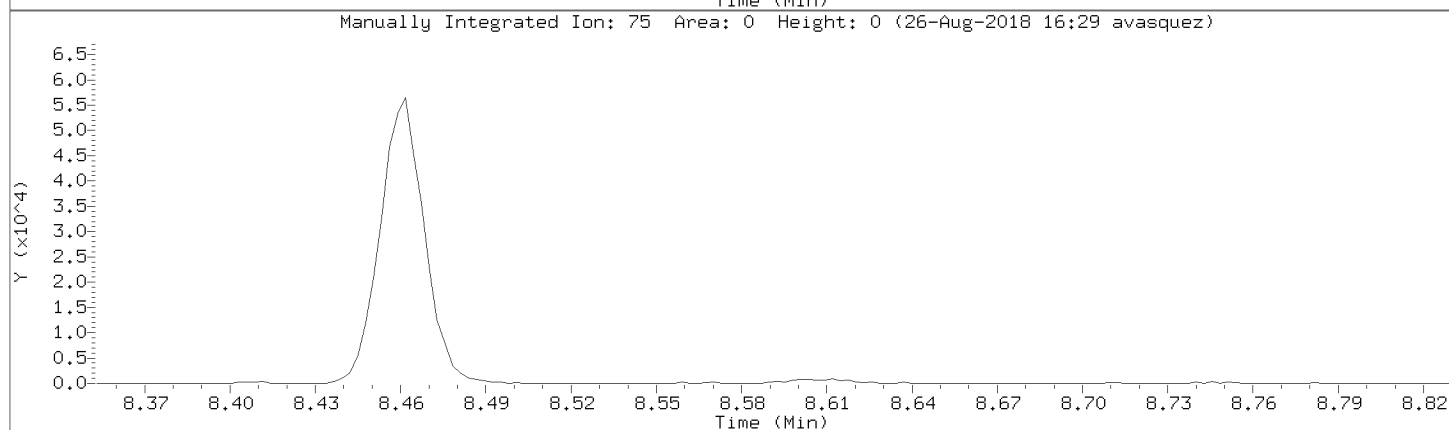
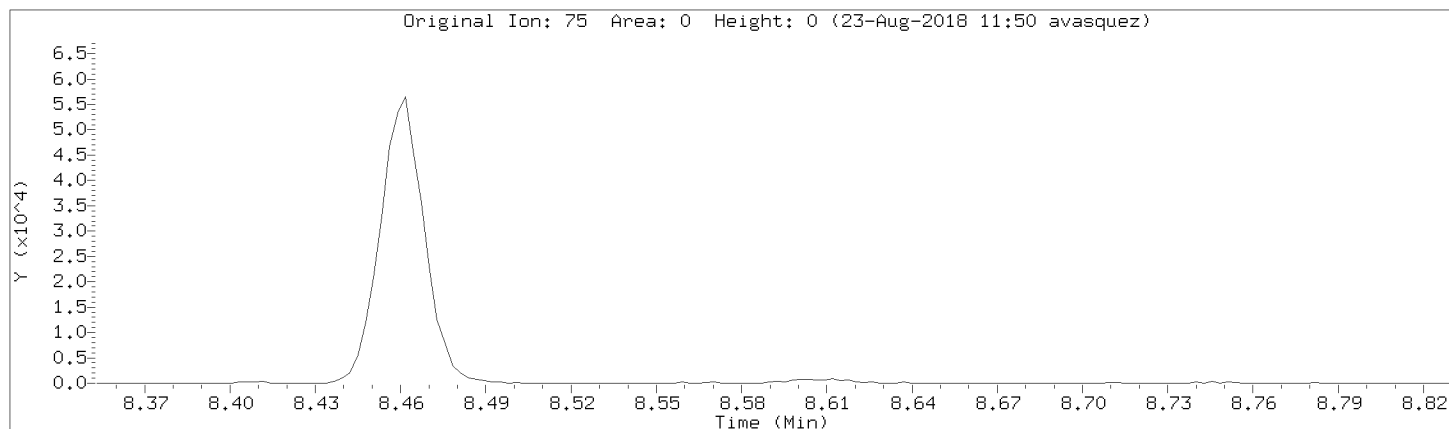


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: trans-1,4-Dichloro-2-butene Review Code: NI
CAS Number:

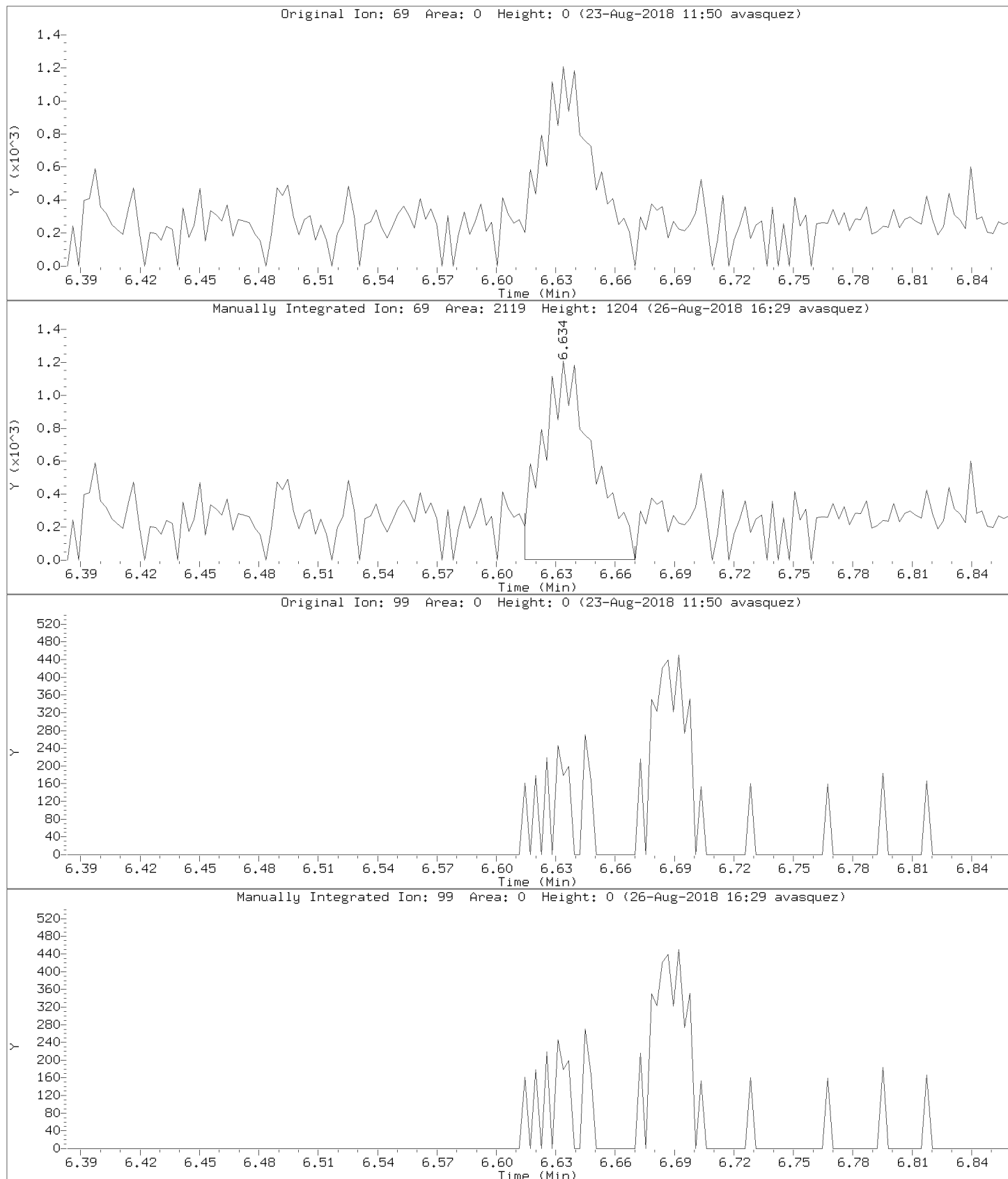


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Lab Sample ID: 8260-CAL1

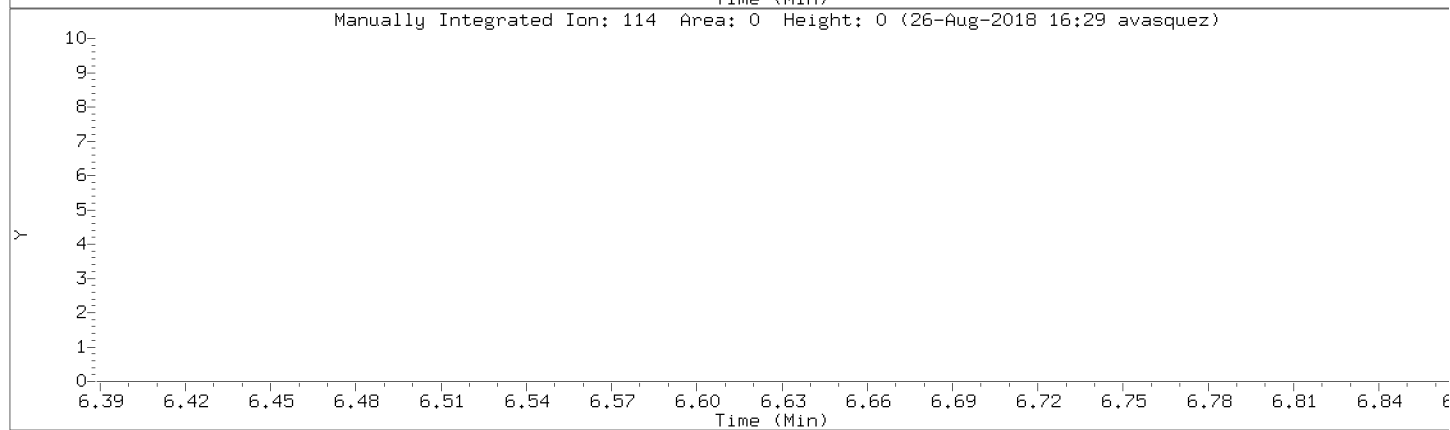
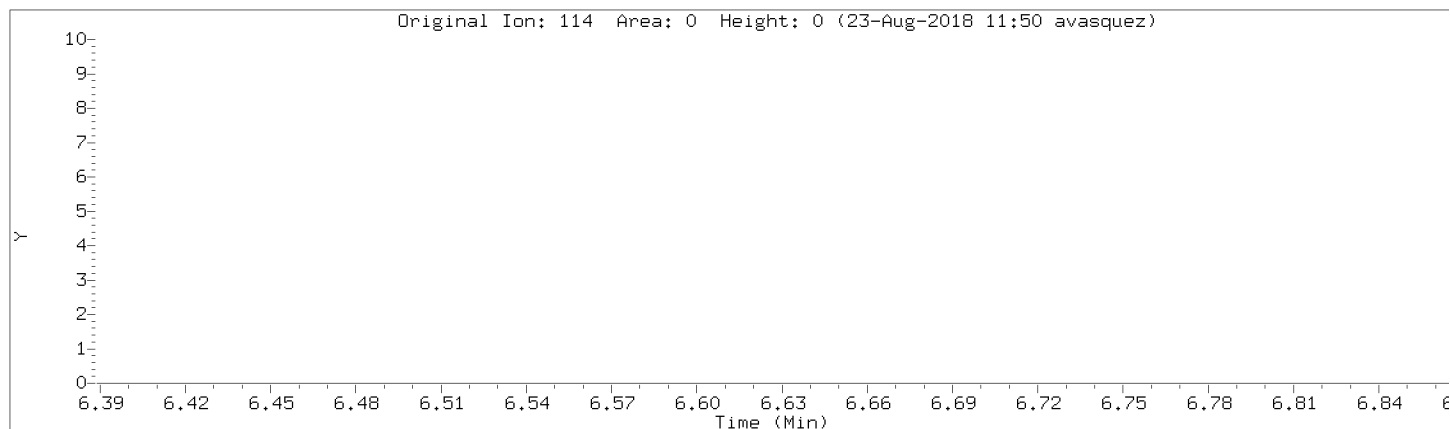


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: Ethyl Methacrylate Review Code: NI
CAS Number:

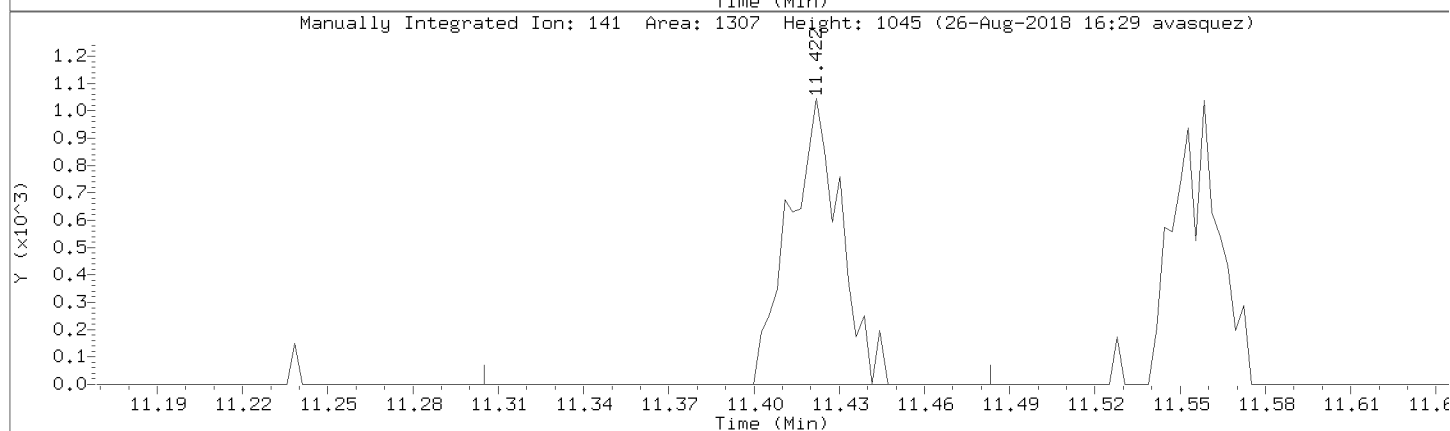
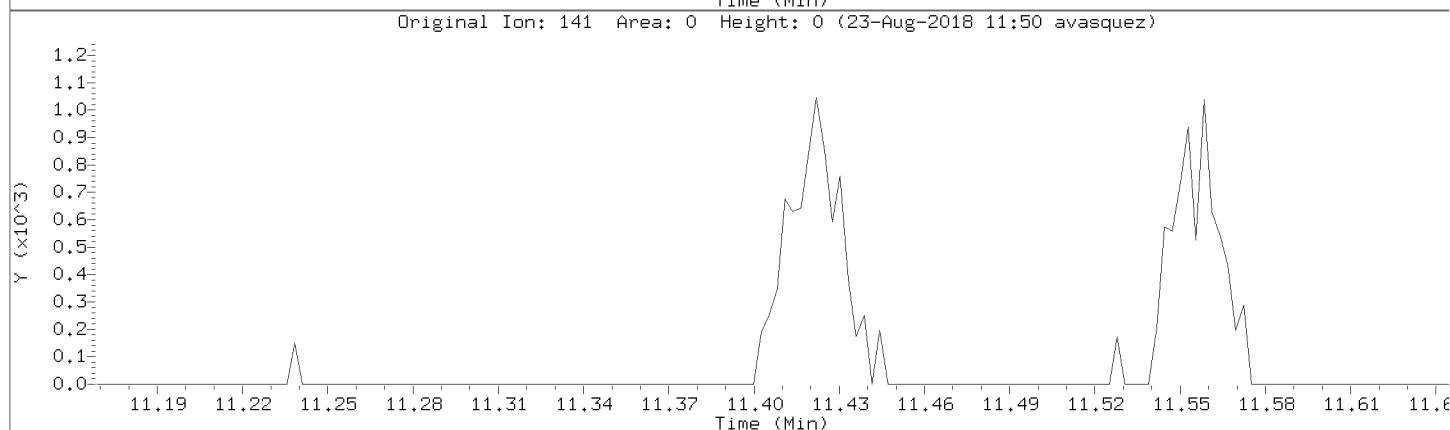
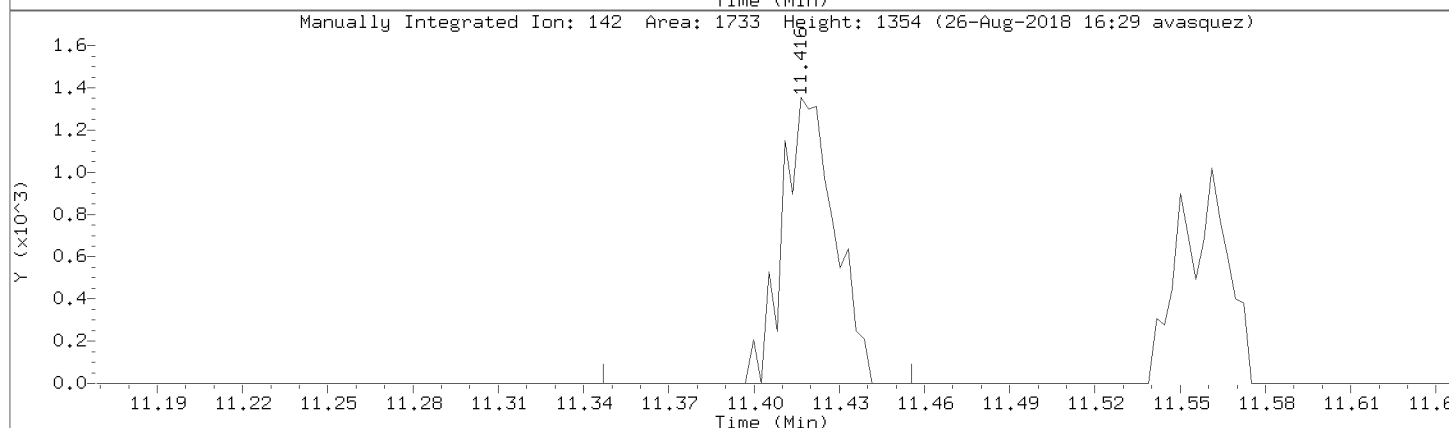
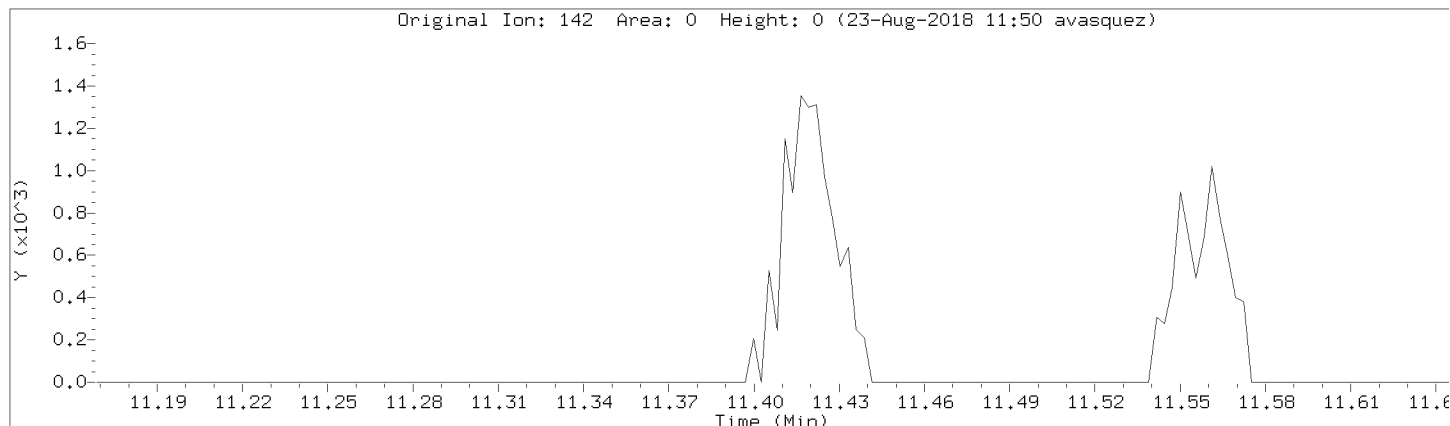


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Lab Sample ID: 8260-CAL1

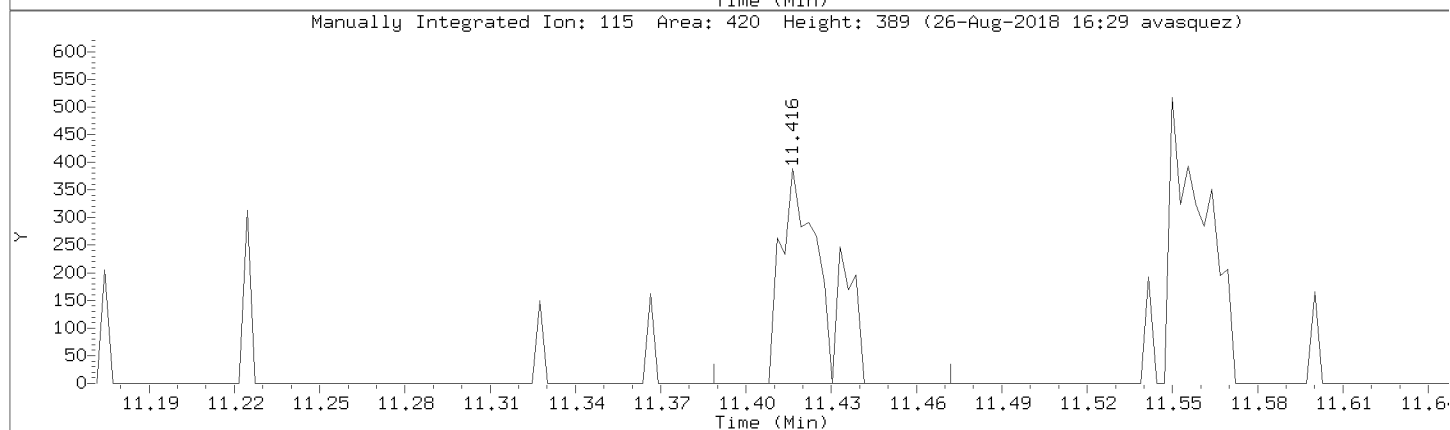
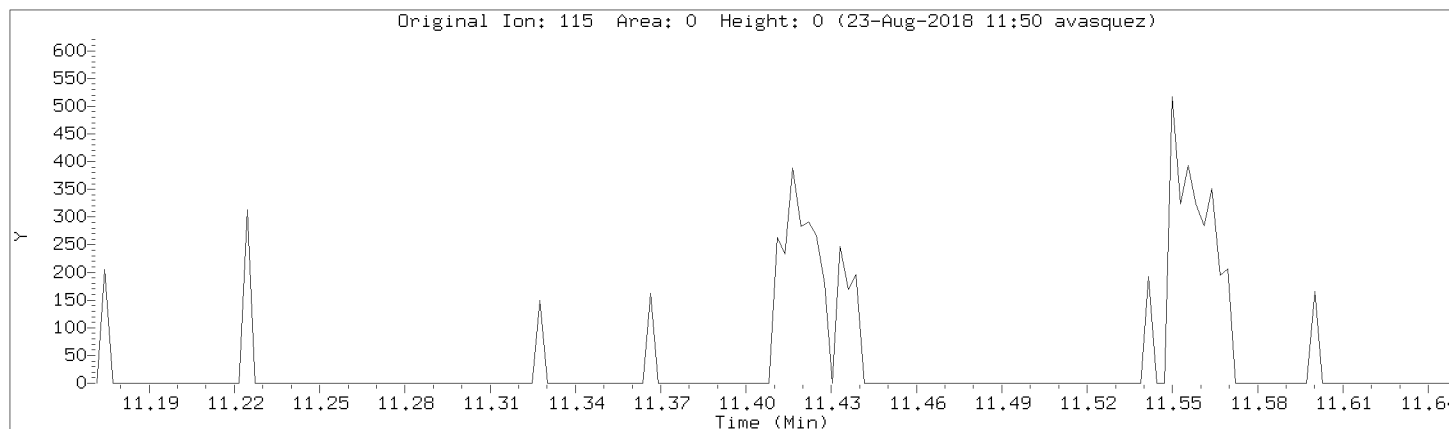


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: 2,methyl-naphthalene Review Code: NI
CAS Number:

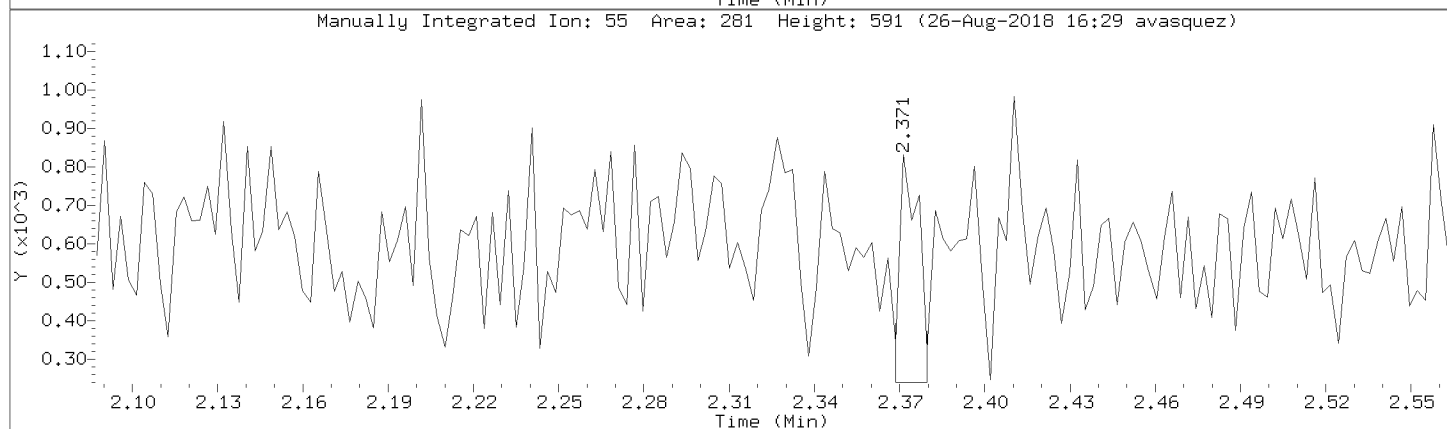
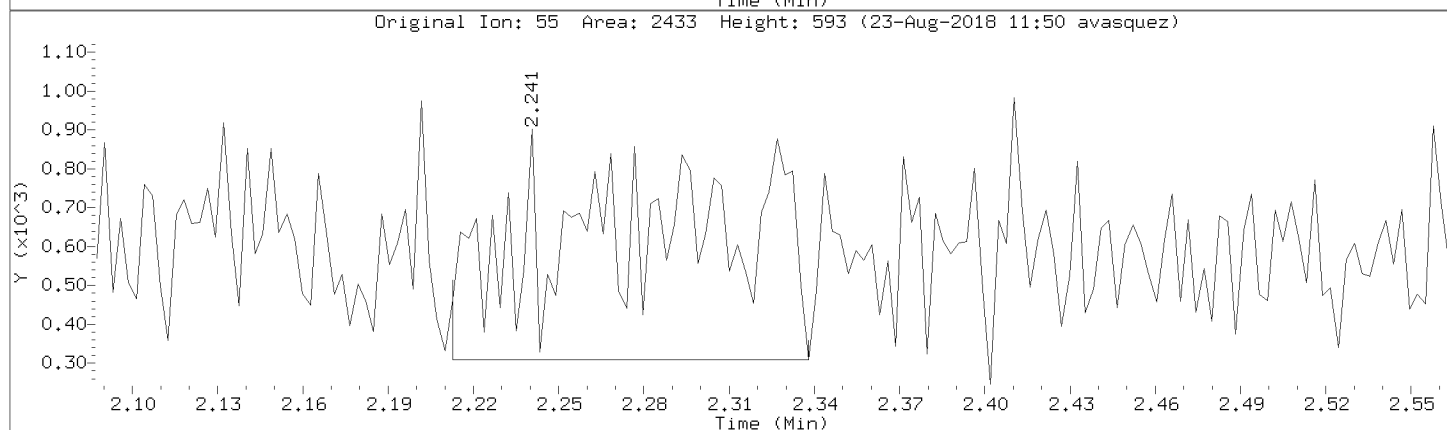
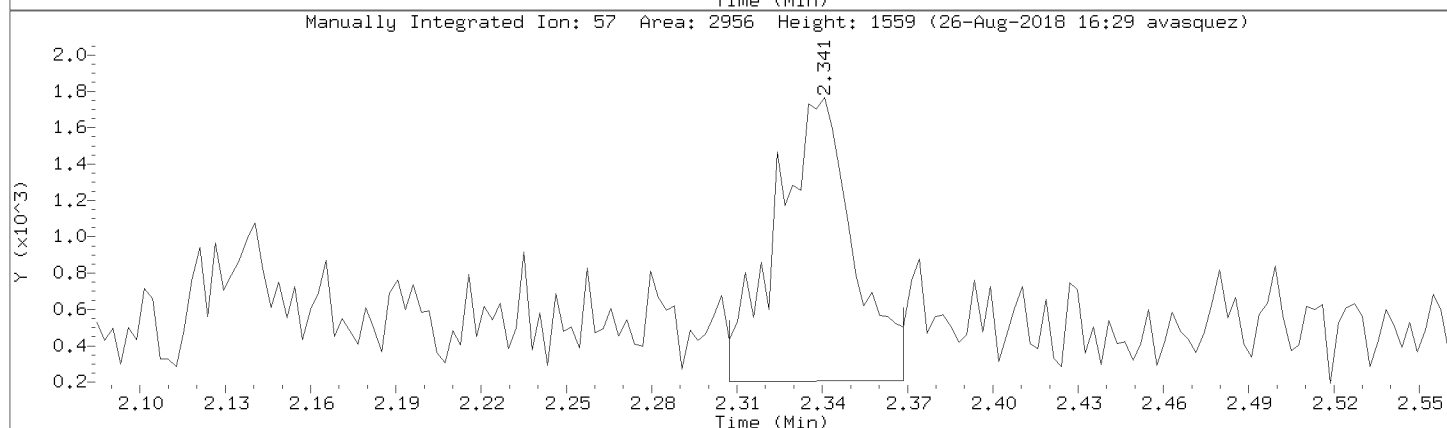
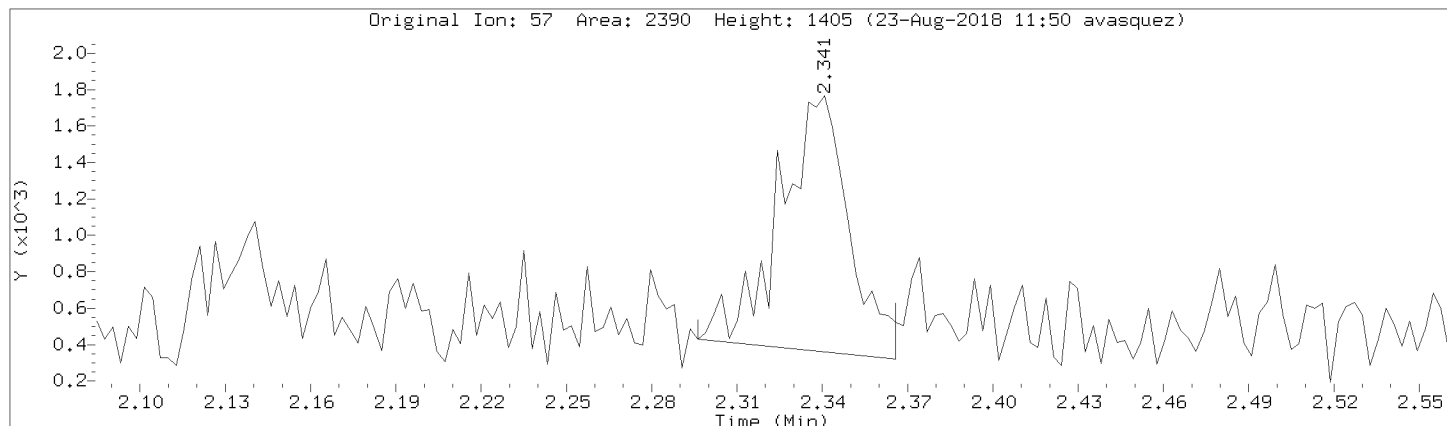


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Lab Sample ID: 8260-CAL1



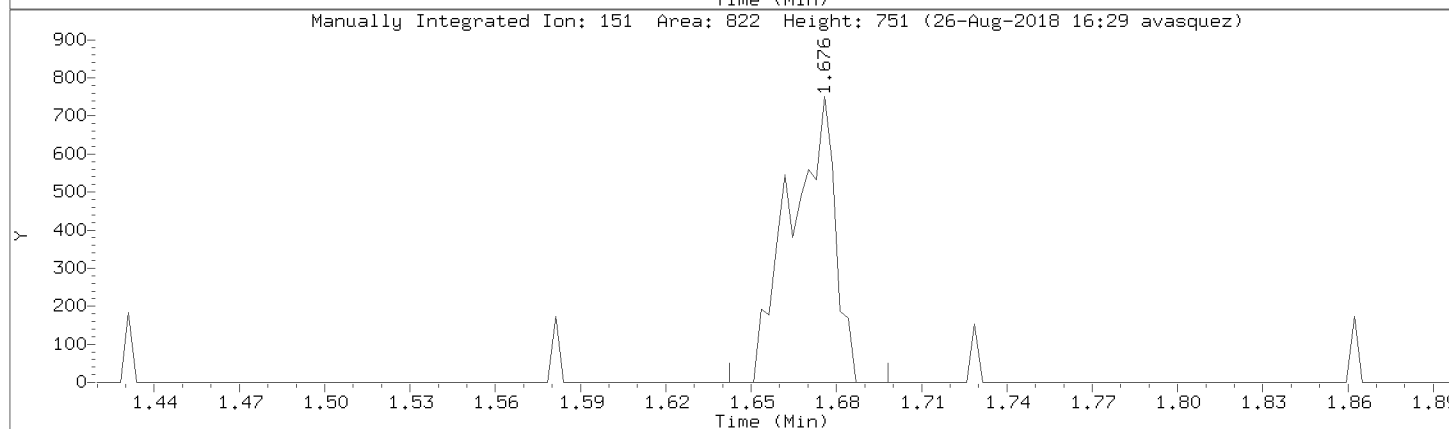
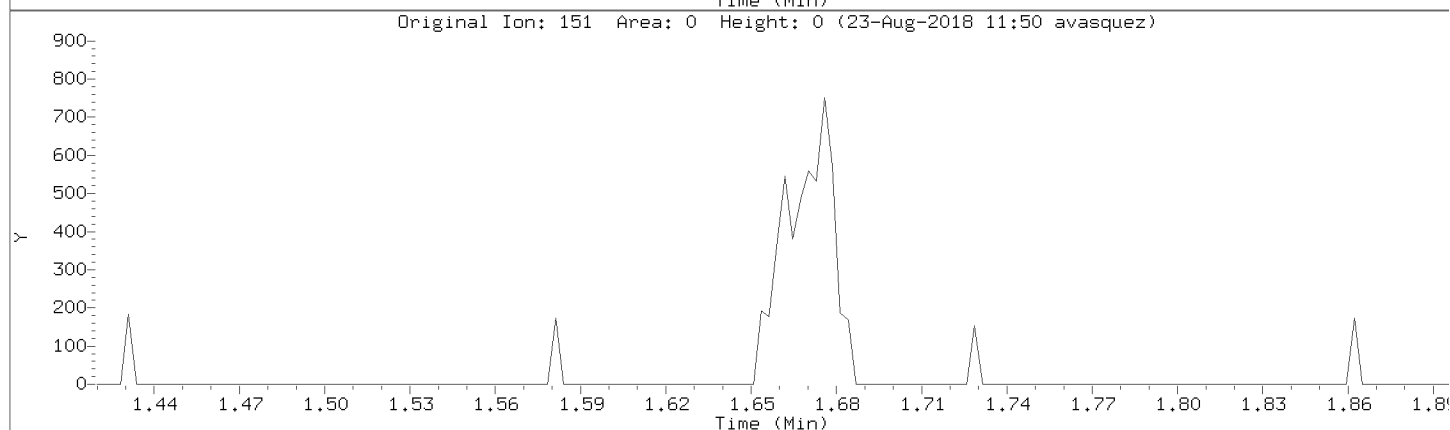
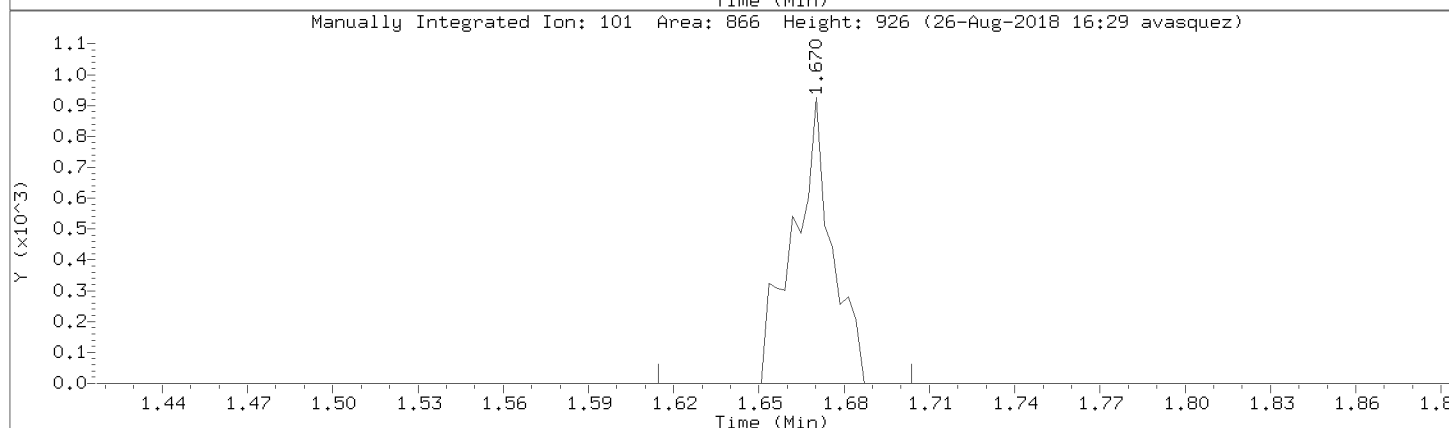
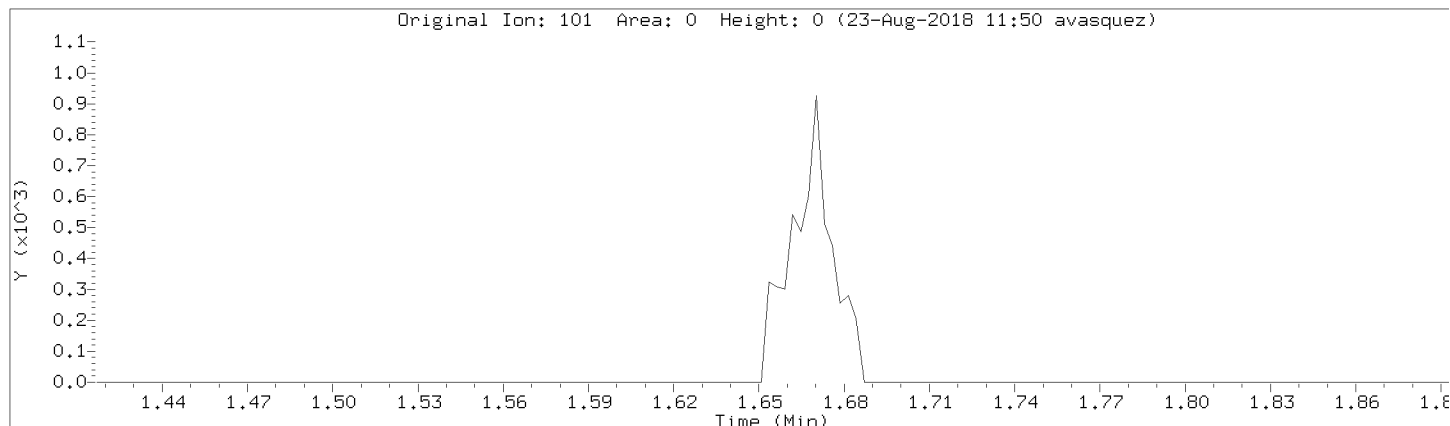
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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: n-Hexane Review Code: NI
CAS Number:



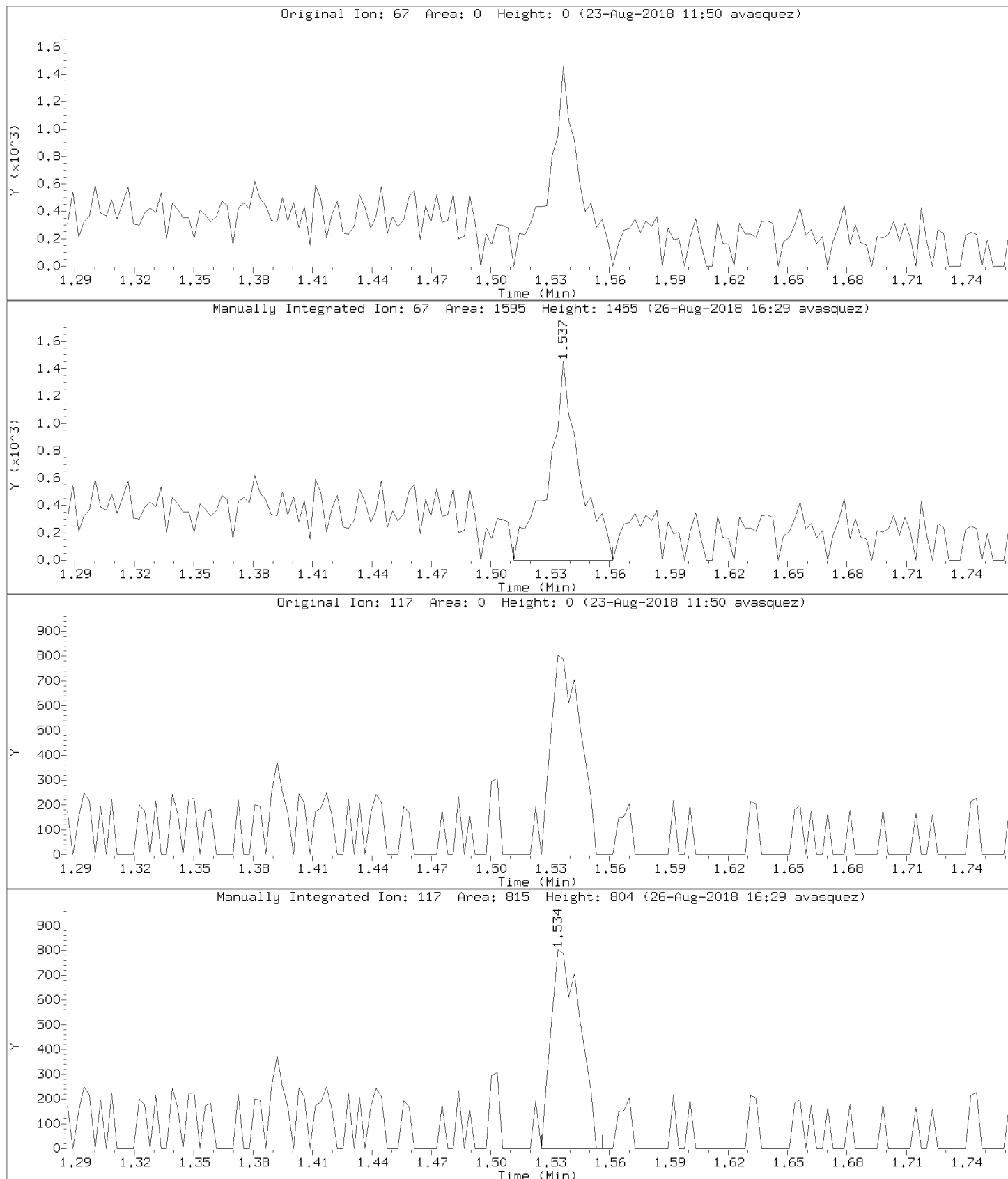
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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: 1,1,2trichlorotrifluoroethane Review Code: NI
CAS Number: 76-13-1

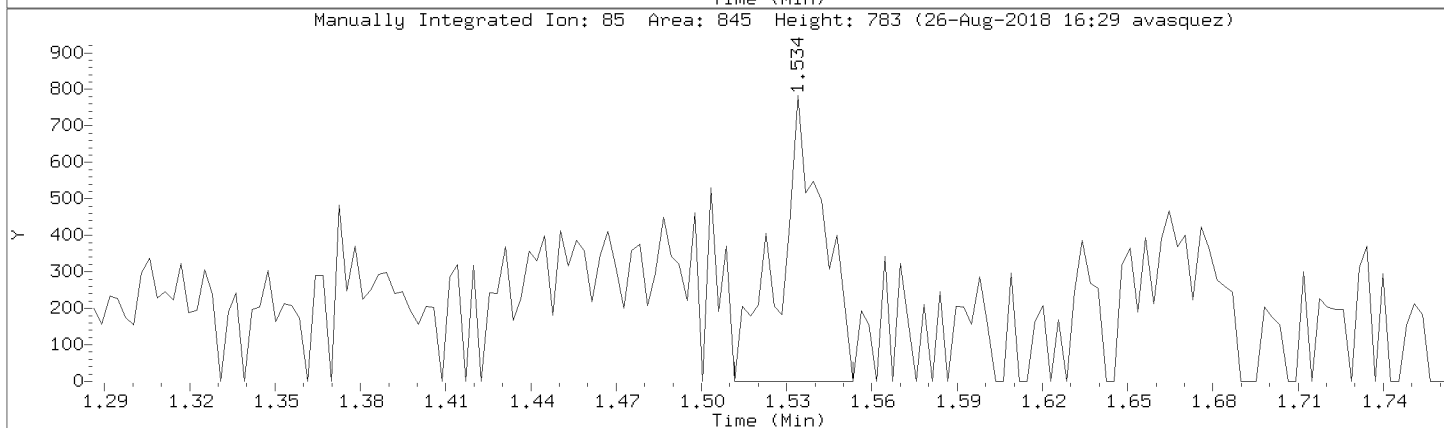
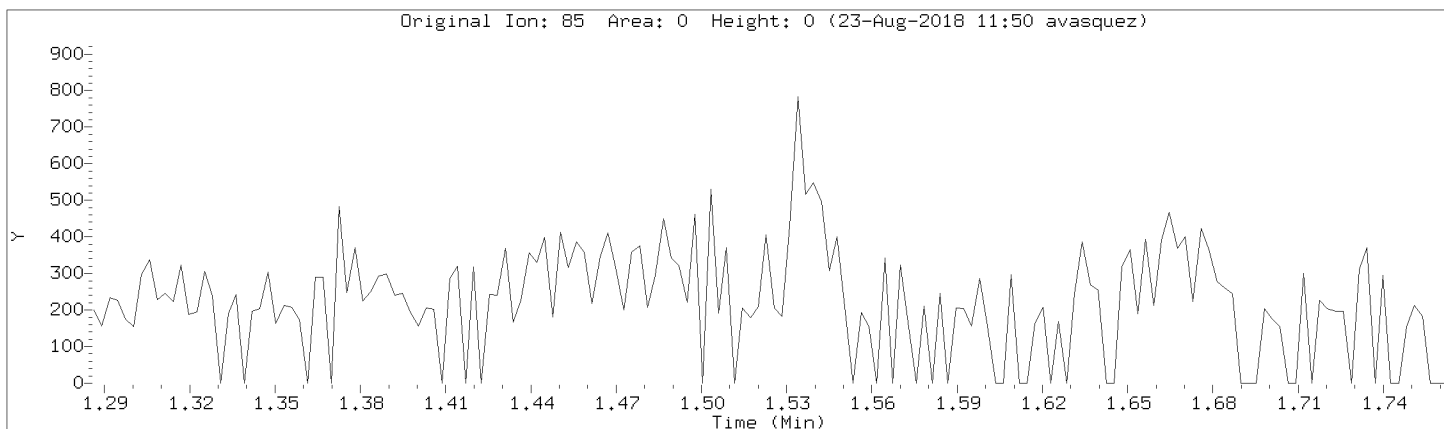


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: 1,2-dichlorotrifluoroethane Review Code: NI
CAS Number: 354-23-4



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



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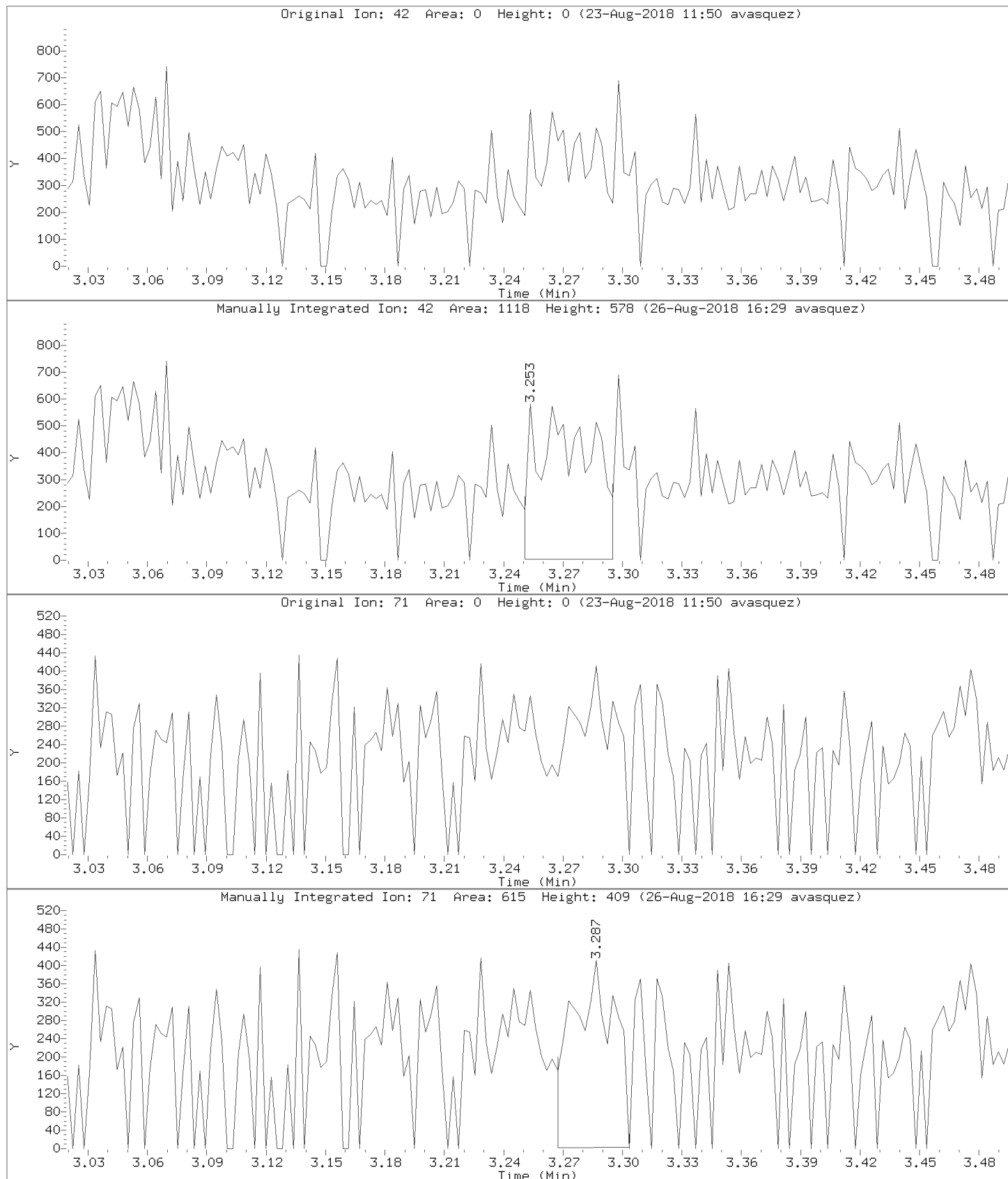
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Lab Sample ID: 8260-CAL1

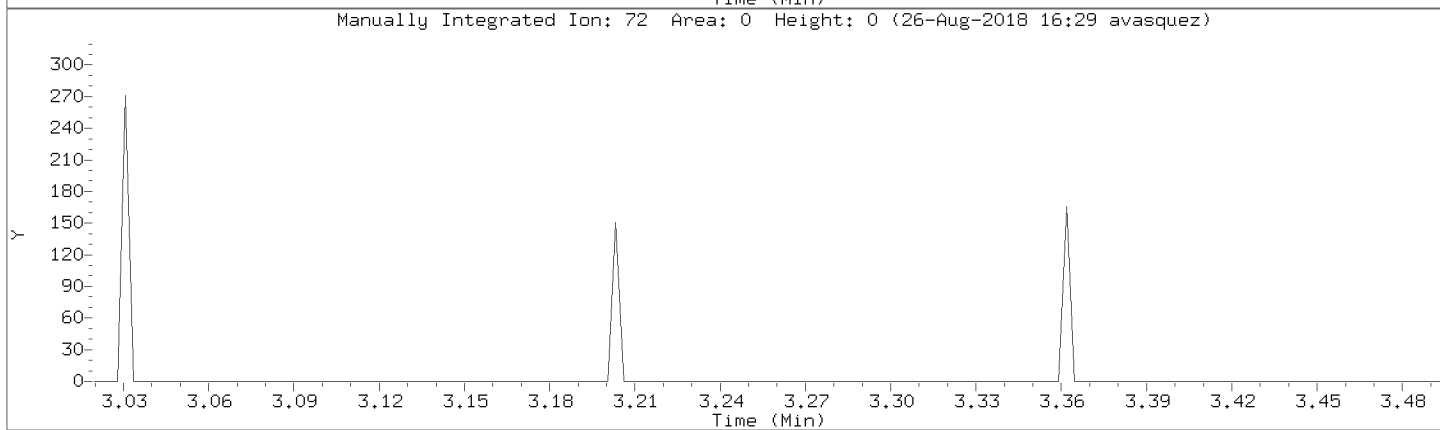
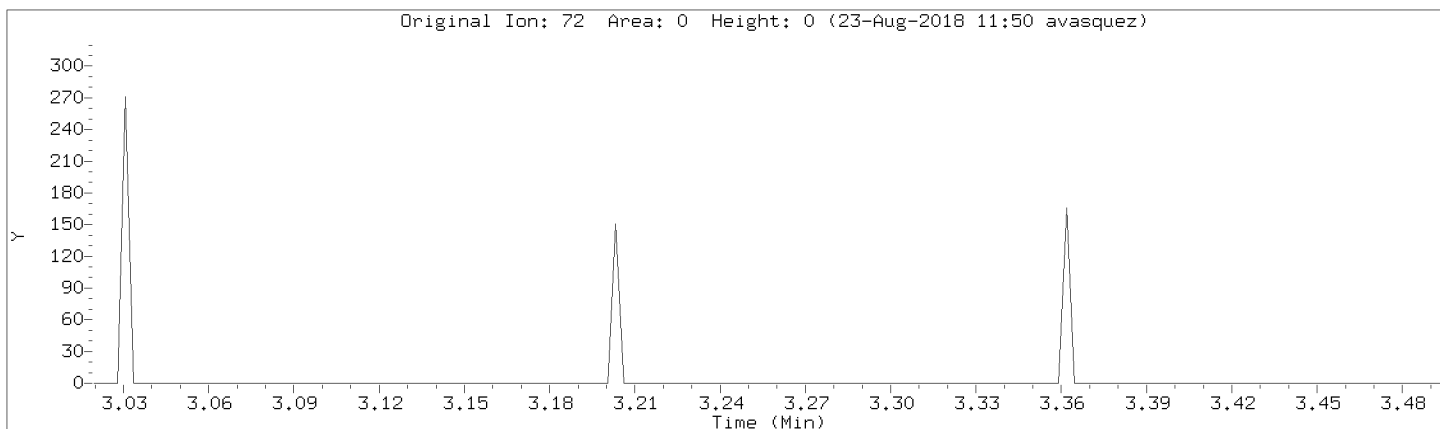
Compound: Tetrahydrofuran

Review Code: NI

CAS Number:



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Lab Sample ID: 8260-CAL1



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Injection Date: 22-AUG-2018 14:19

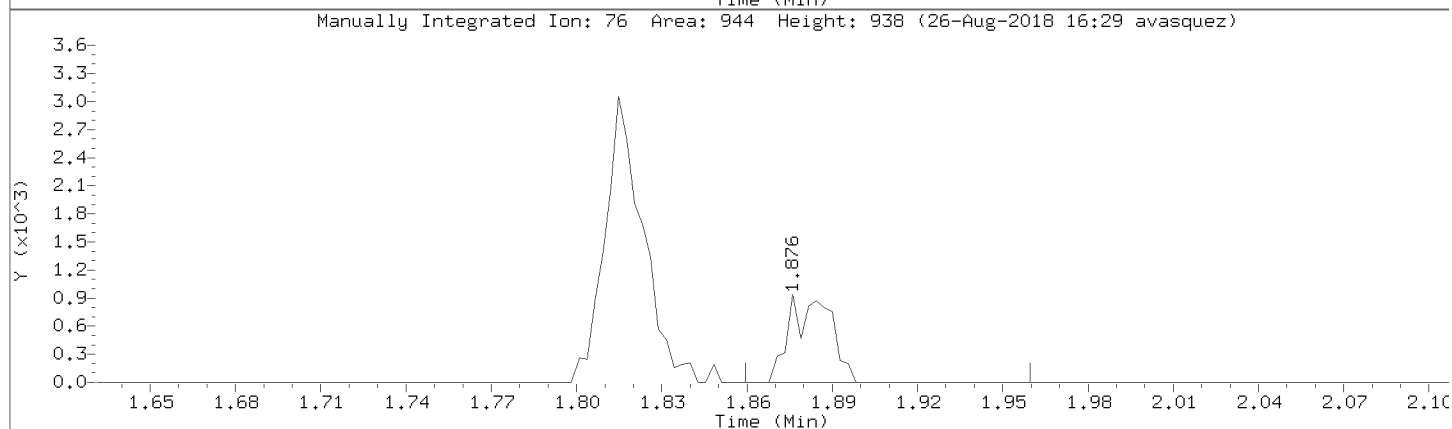
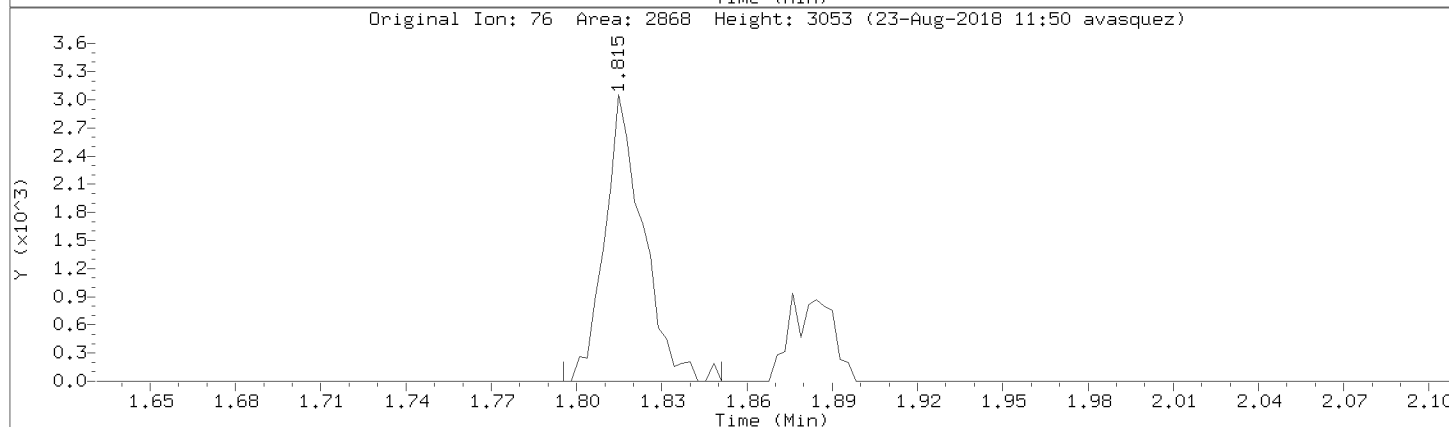
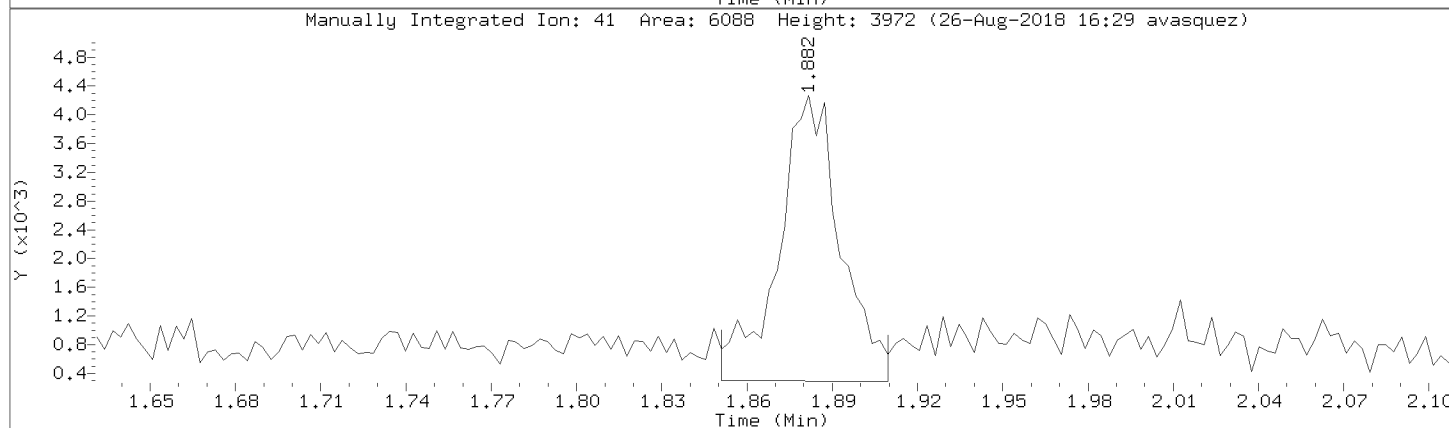
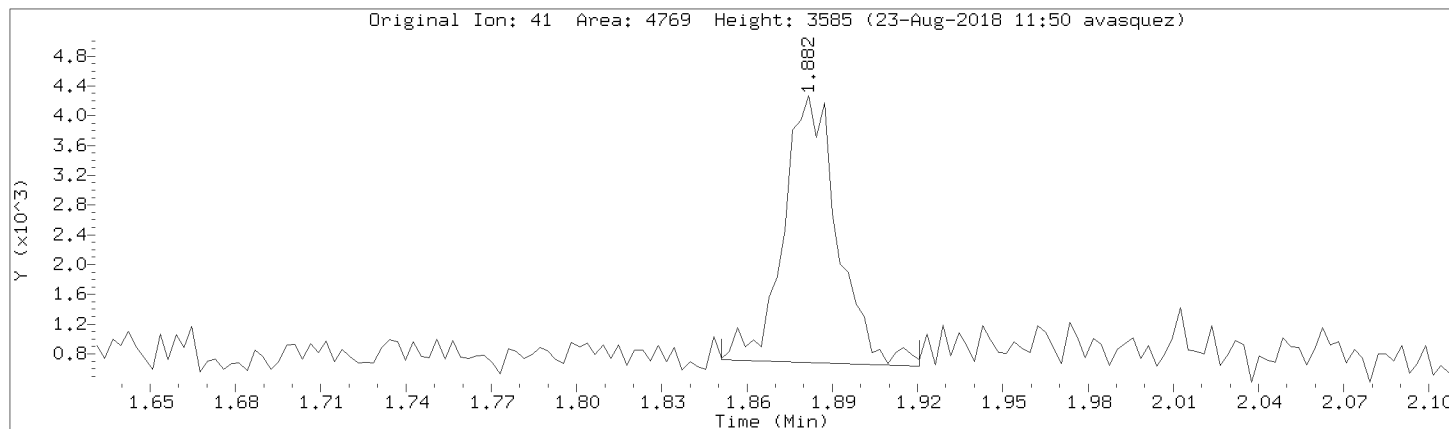
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: allyl chloride

Review Code: LT

CAS Number: 107-05-1



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b/a02cal.d

Injection Date: 22-AUG-2018 14:19

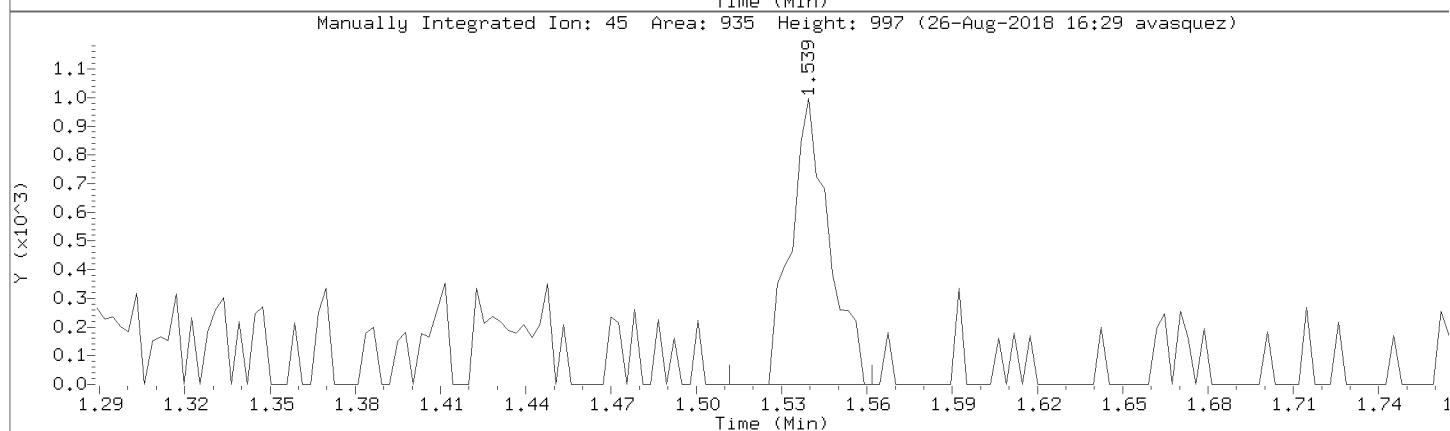
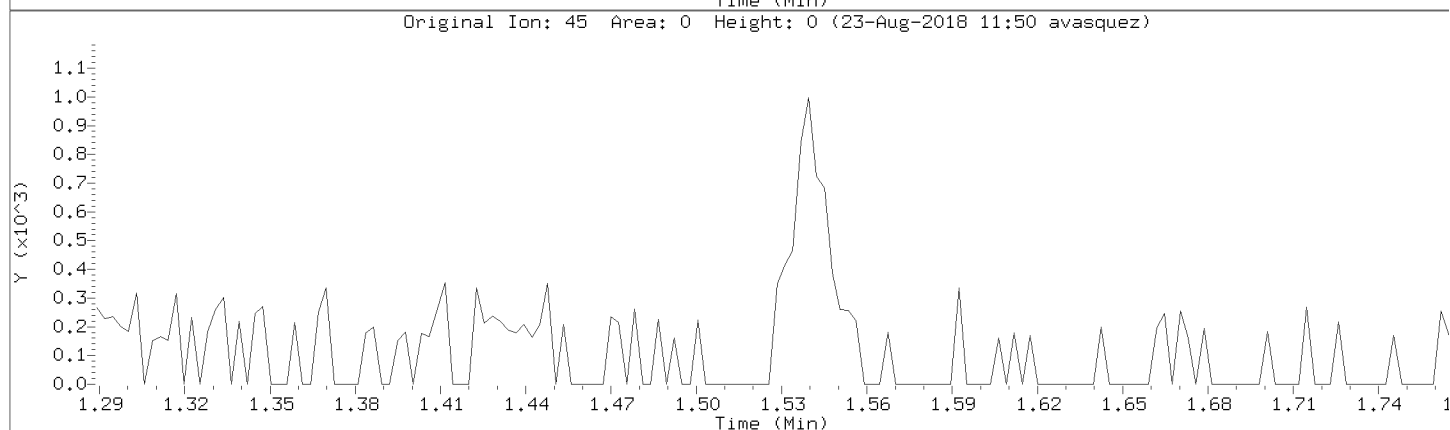
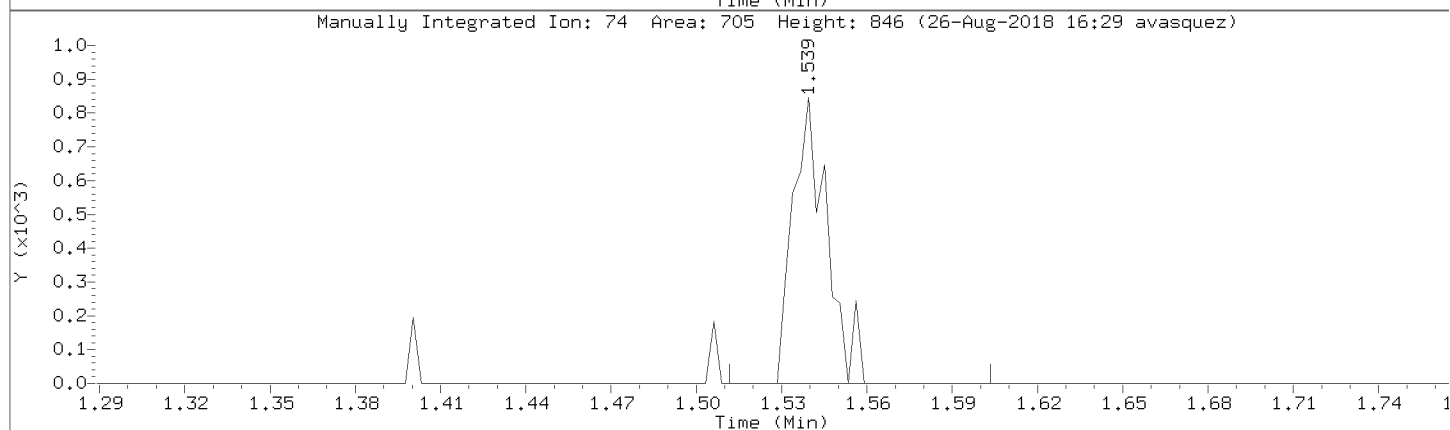
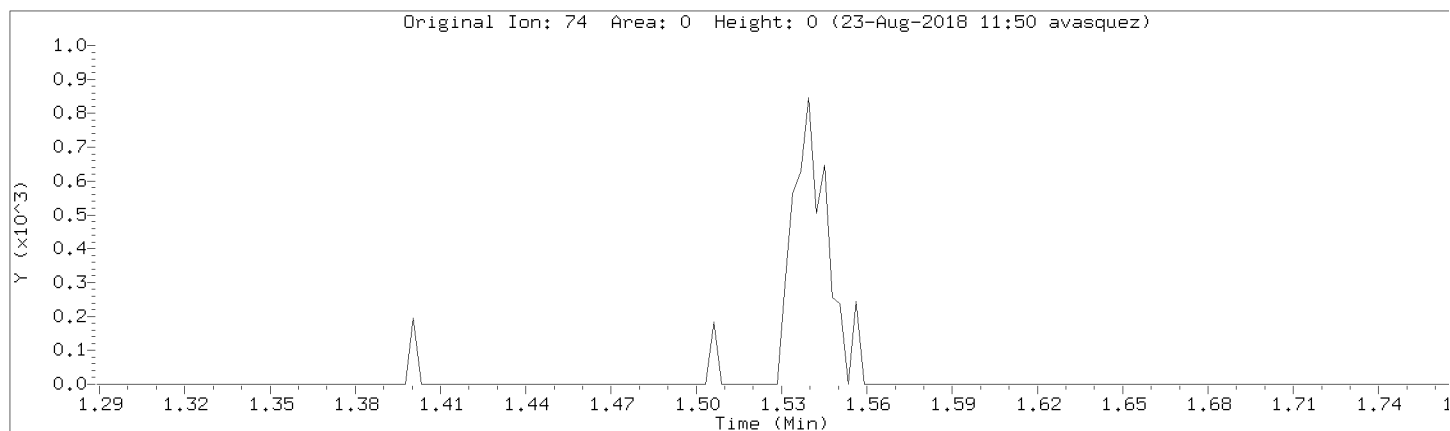
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

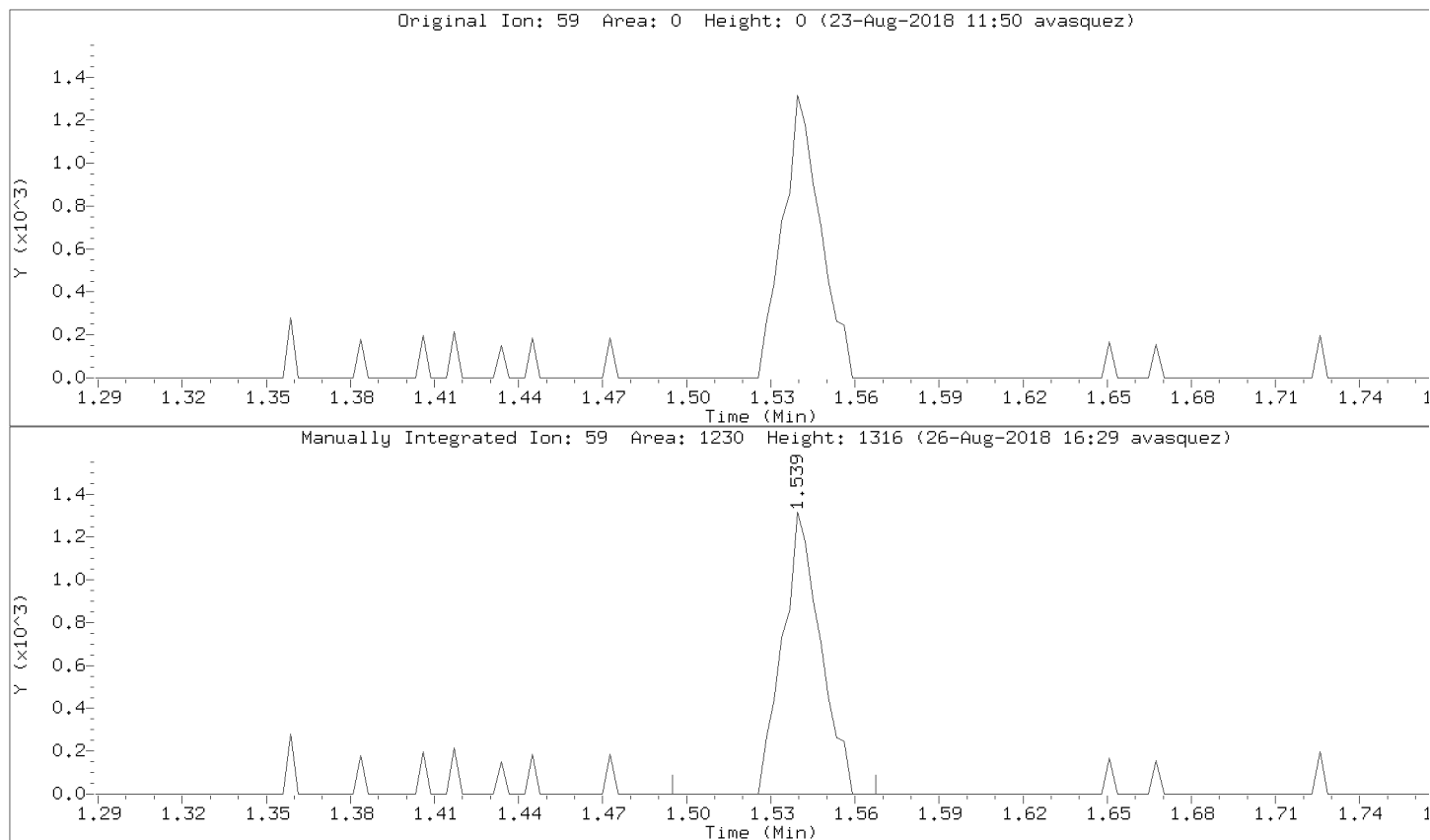
Compound: Diethyl ether

Review Code: NI

CAS Number: 60-29-7



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



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Injection Date: 22-AUG-2018 14:19

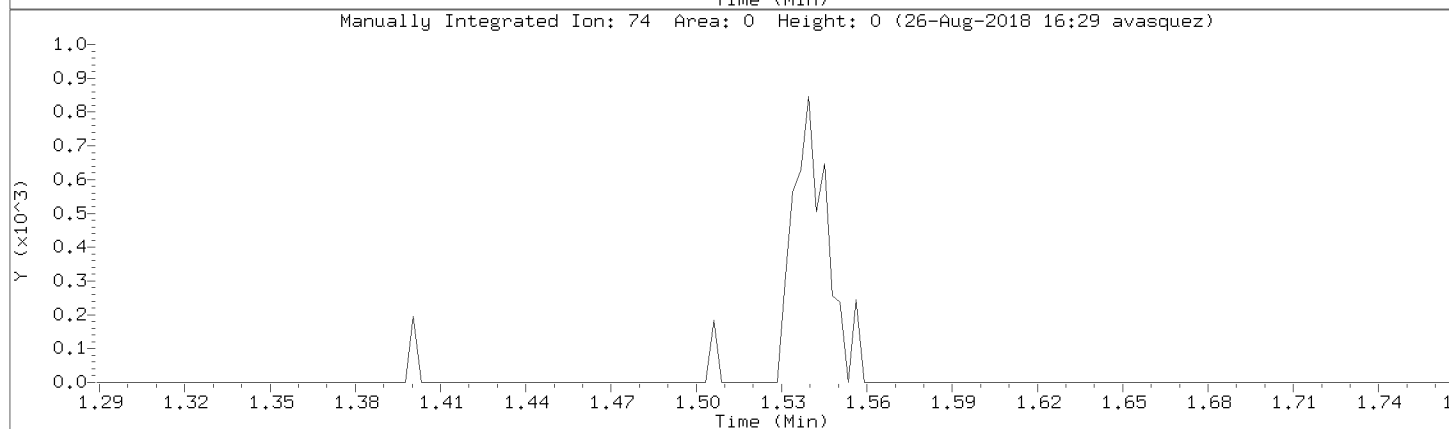
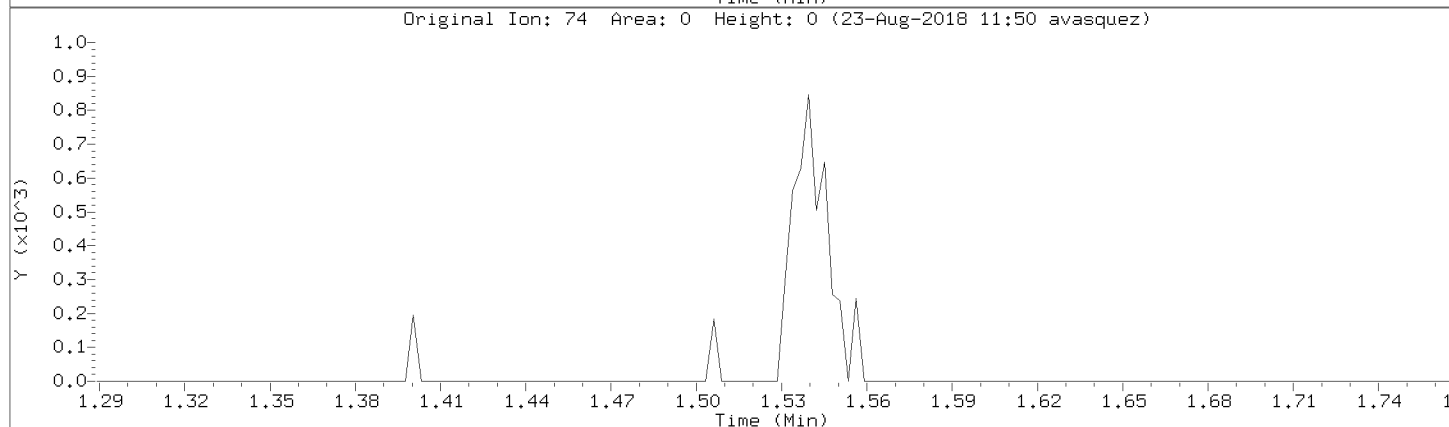
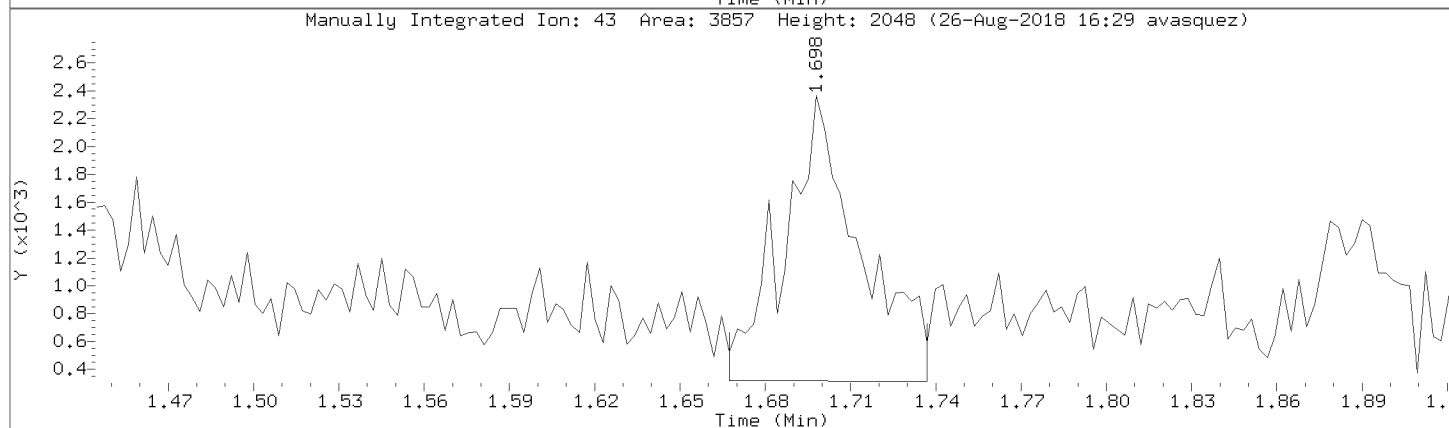
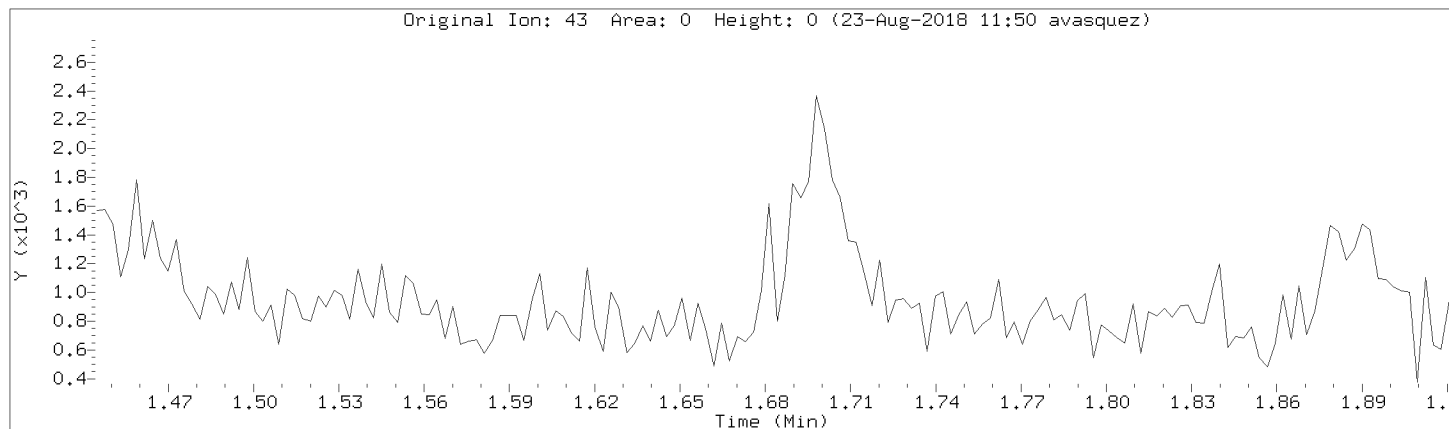
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Methyl Acetate

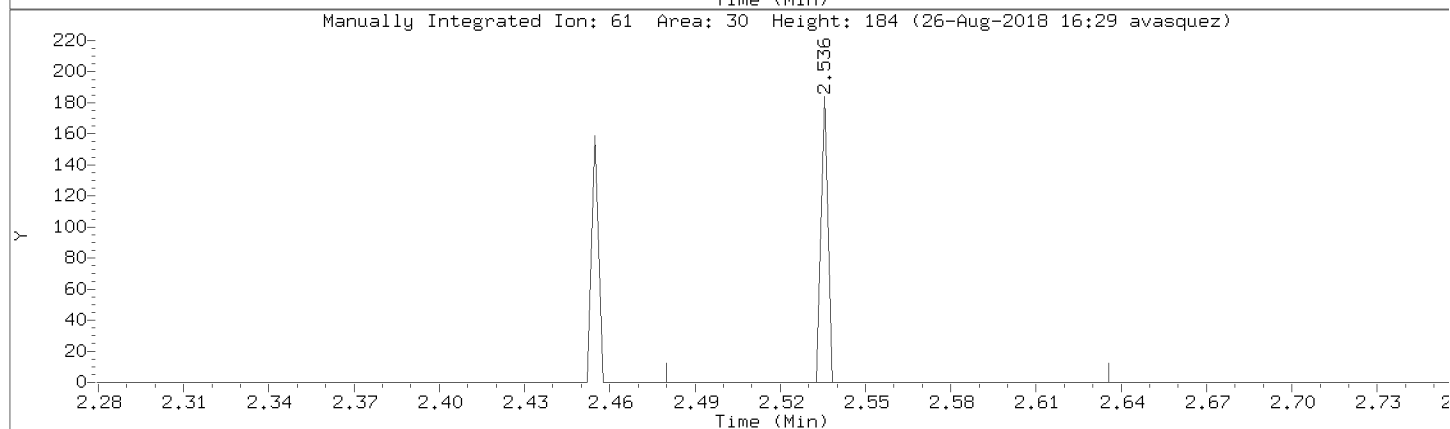
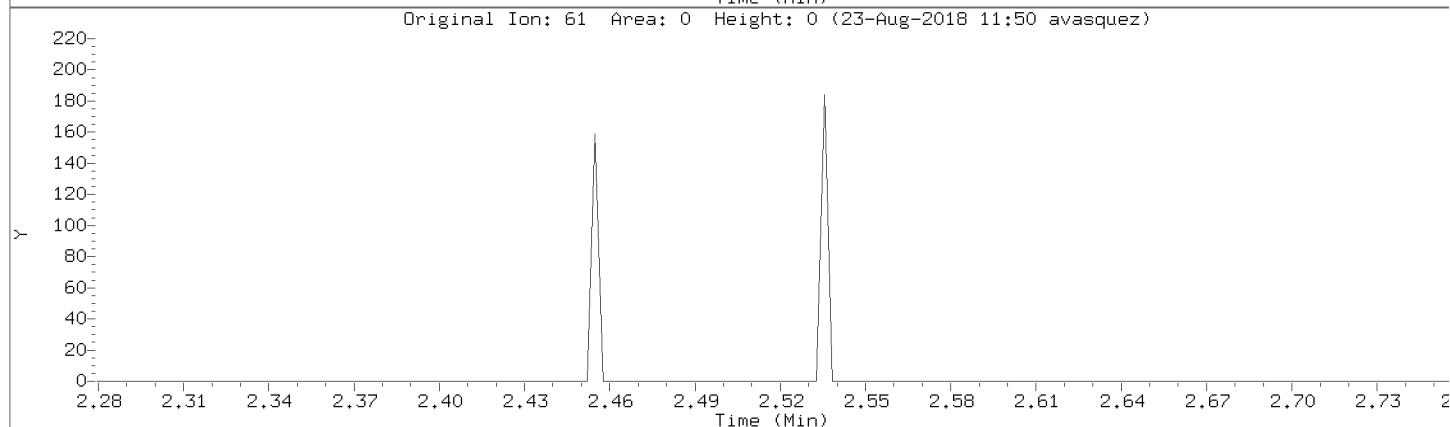
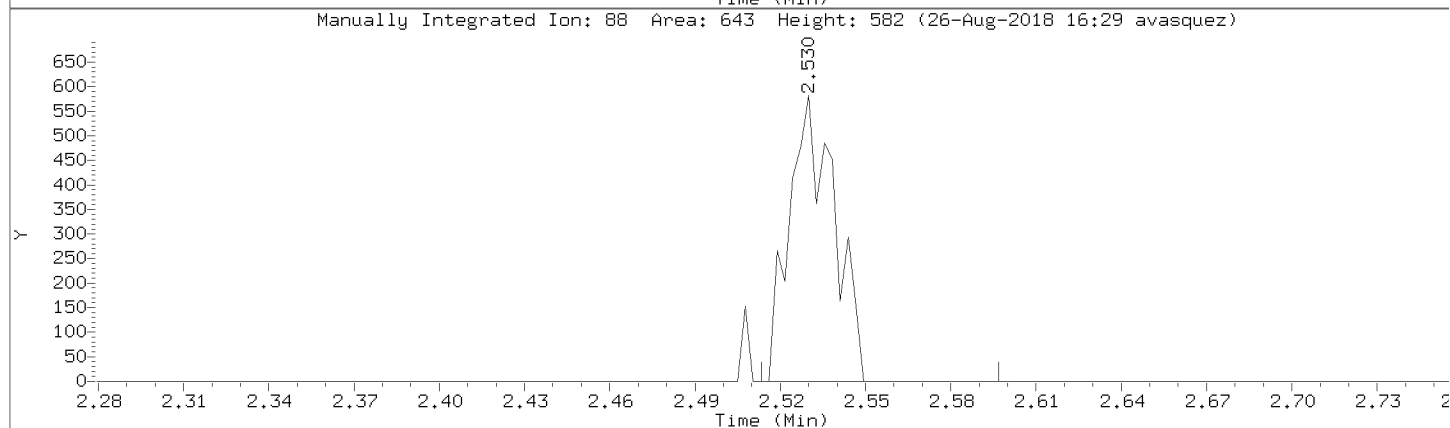
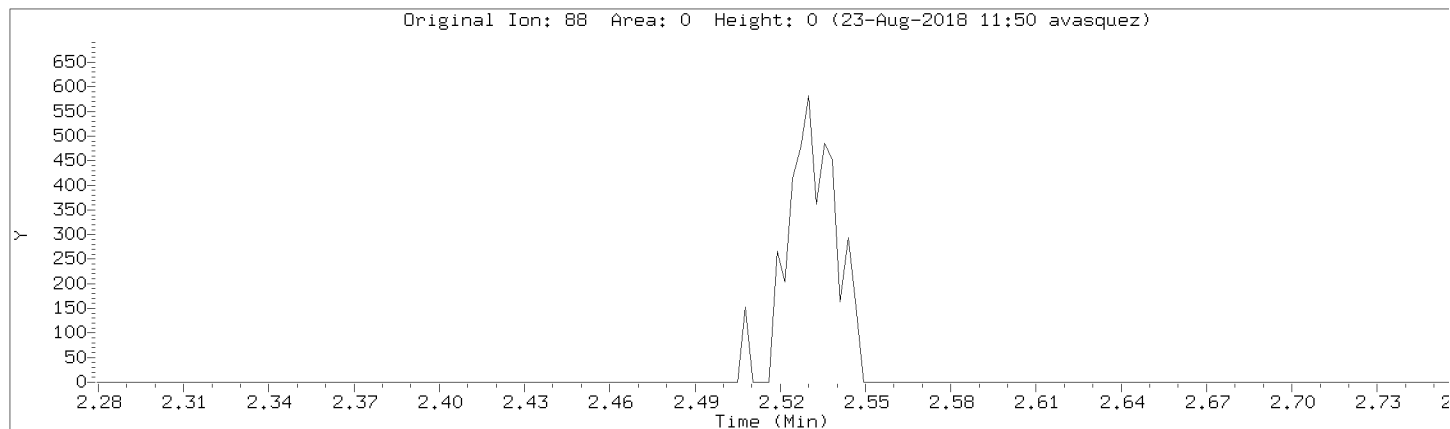
Review Code: NI

CAS Number: 79-20-9



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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: Ethyl acetate Review Code: NI
CAS Number: 141-78-6

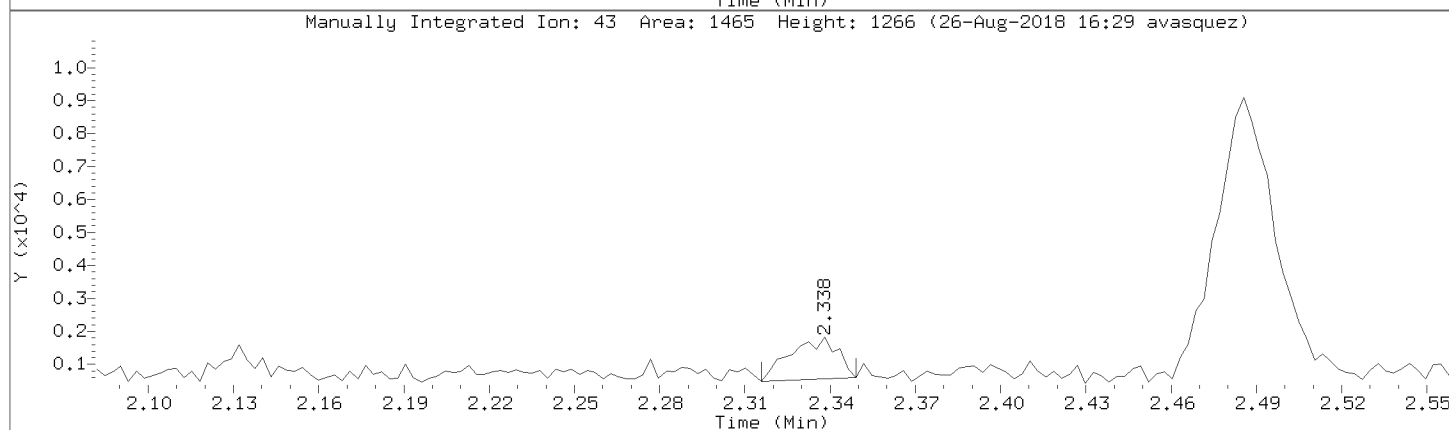
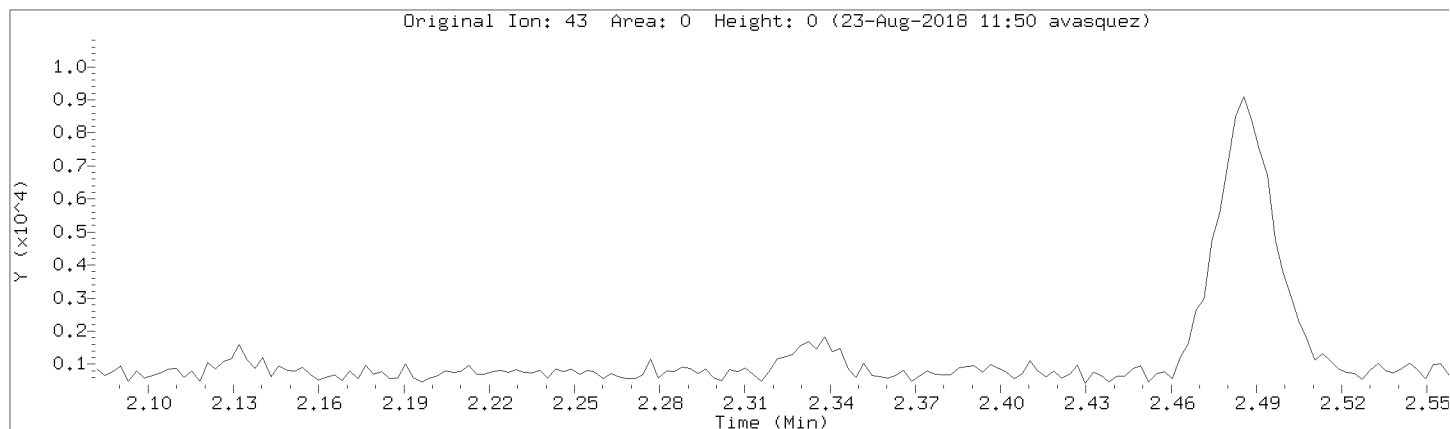


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Injection Date: 22-AUG-2018 14:19

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1



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Injection Date: 22-AUG-2018 14:19

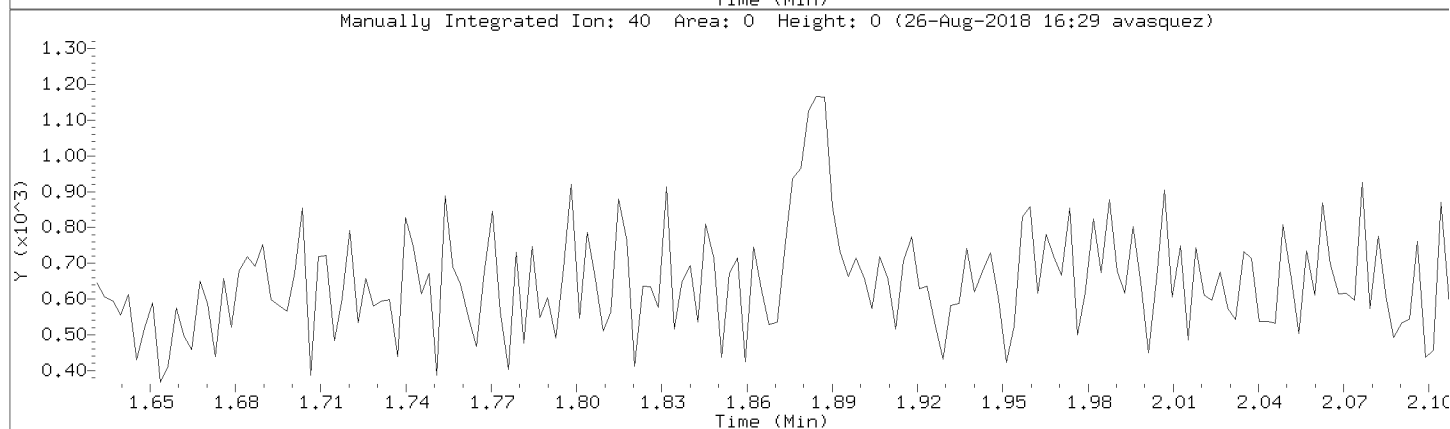
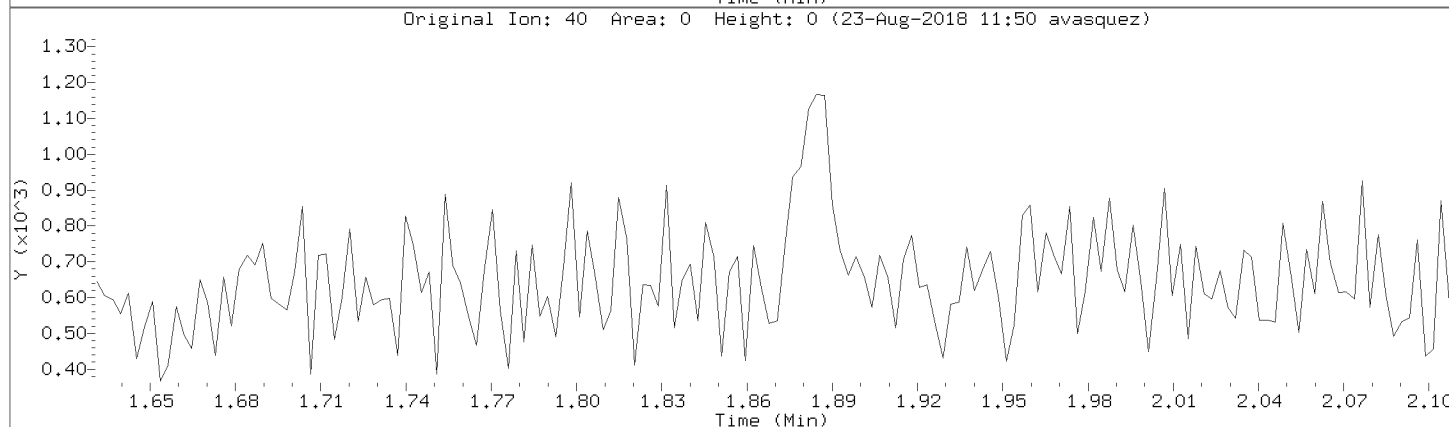
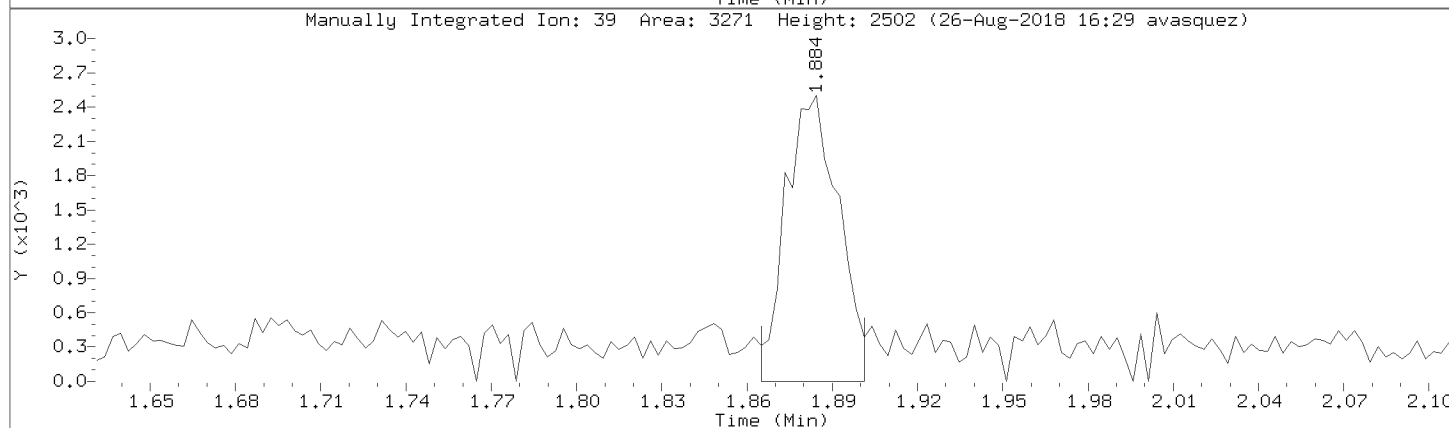
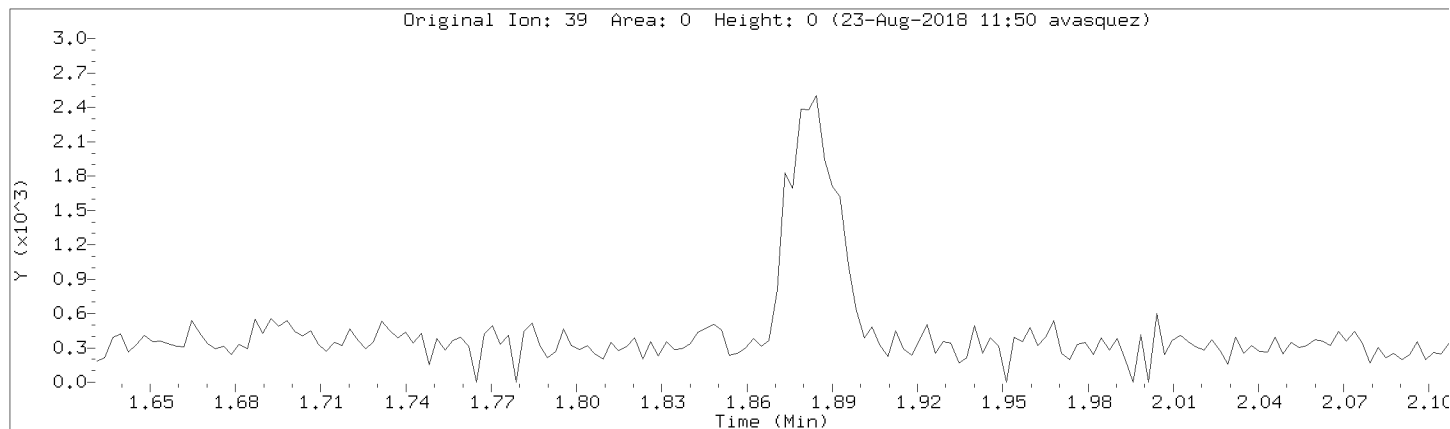
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

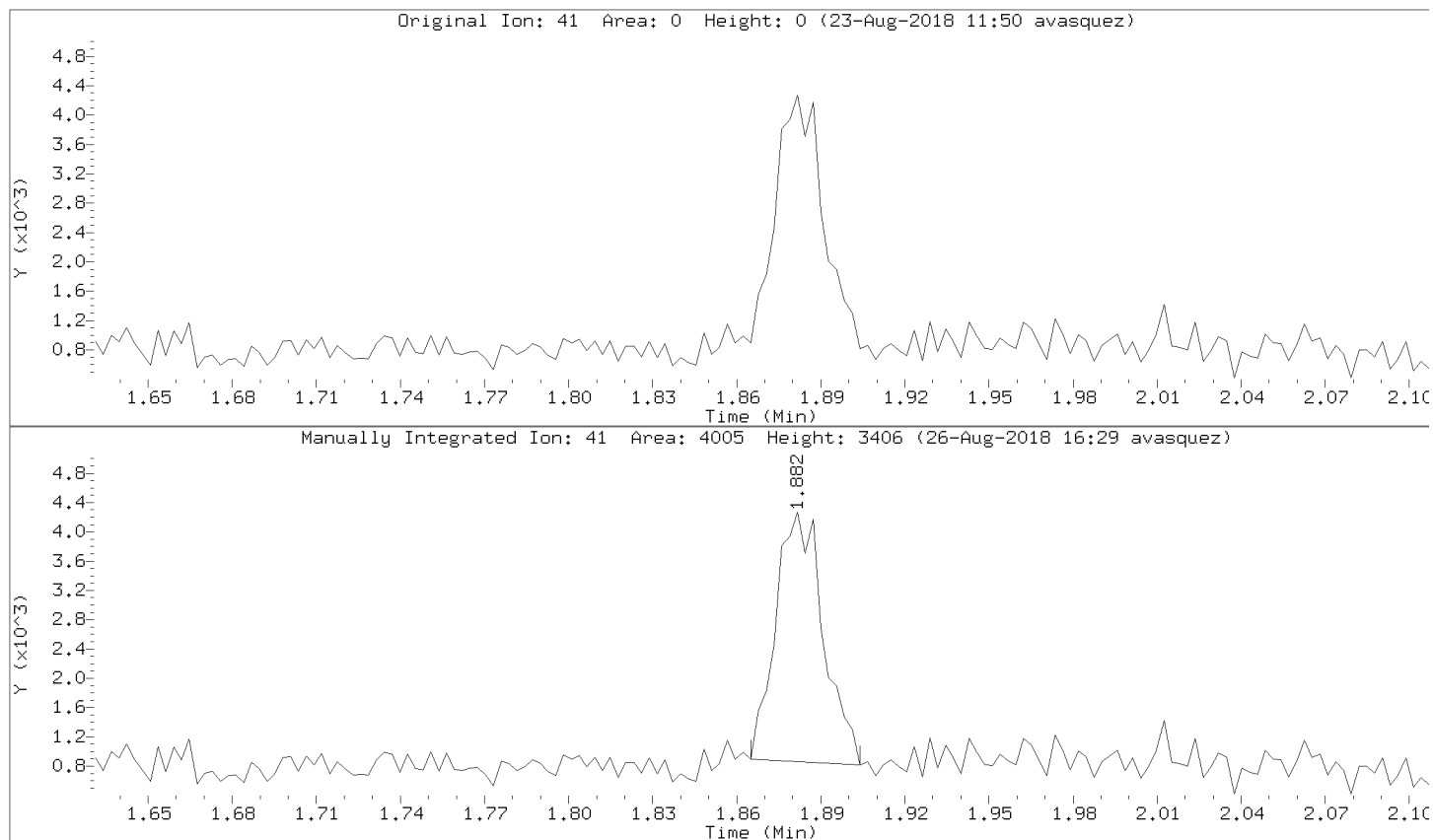
Compound: Acetonitrile

Review Code: NI

CAS Number: 75-05-8

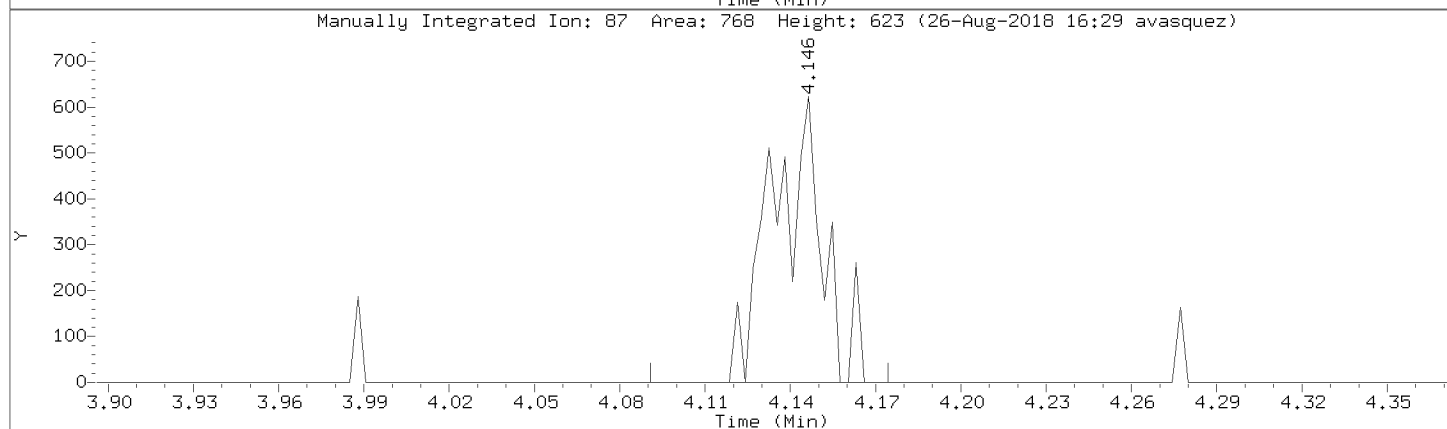
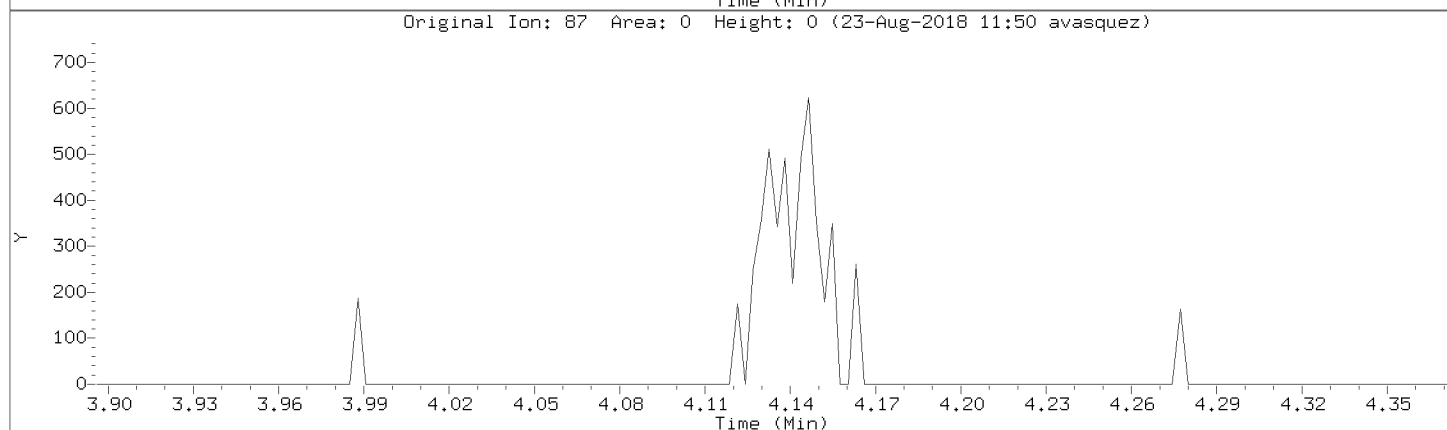
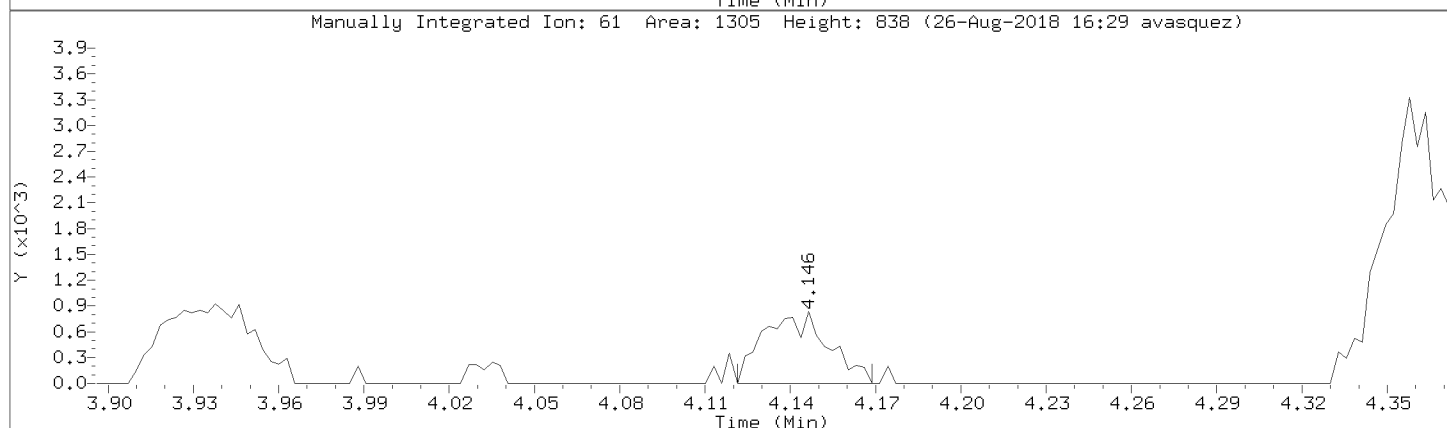
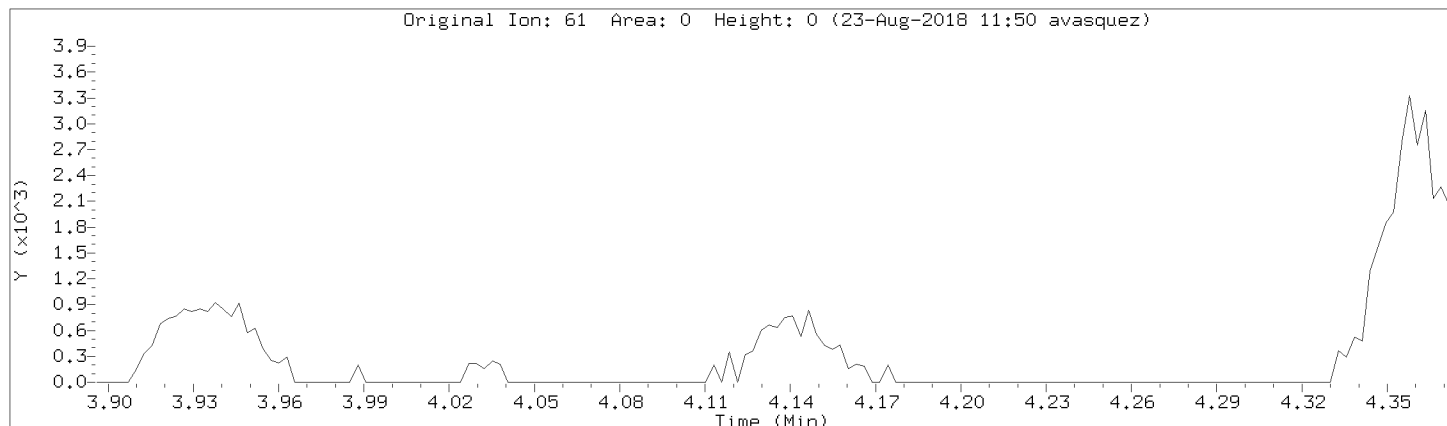


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

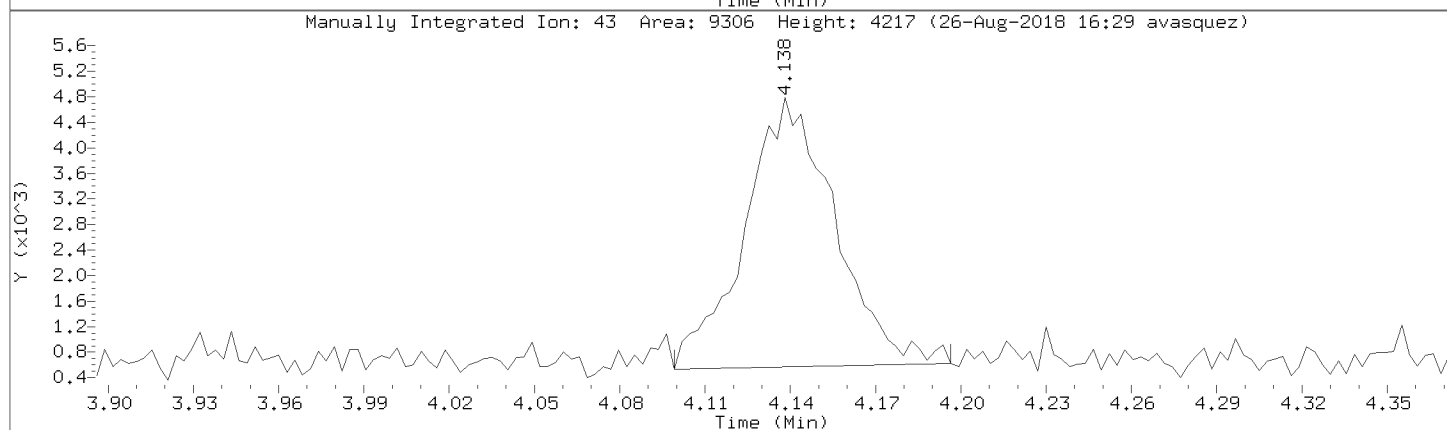
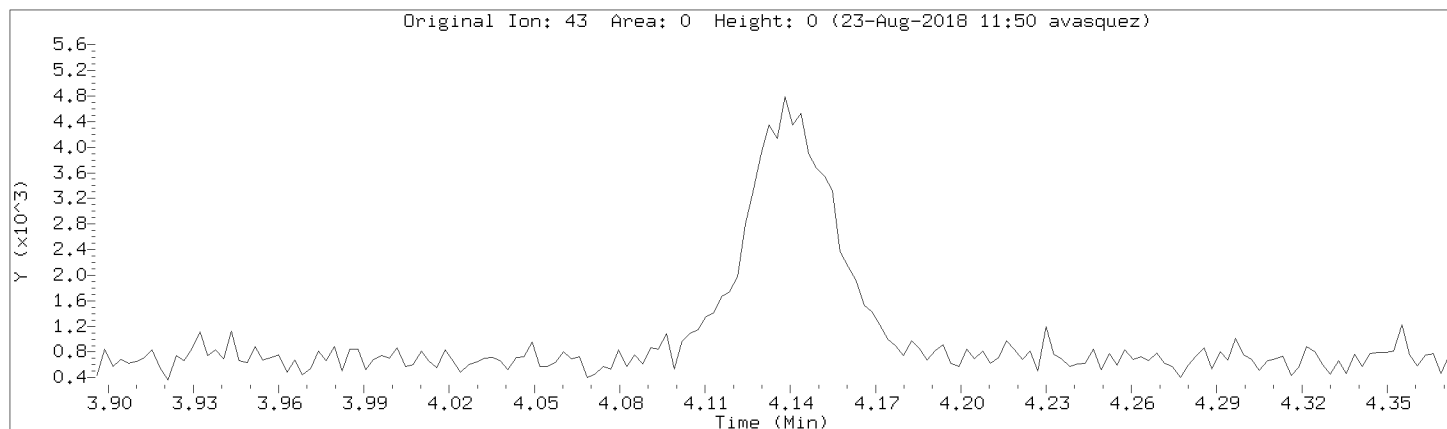


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: isopropyl acetate Review Code: NI
CAS Number: 108-21-4



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



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Injection Date: 22-AUG-2018 14:19

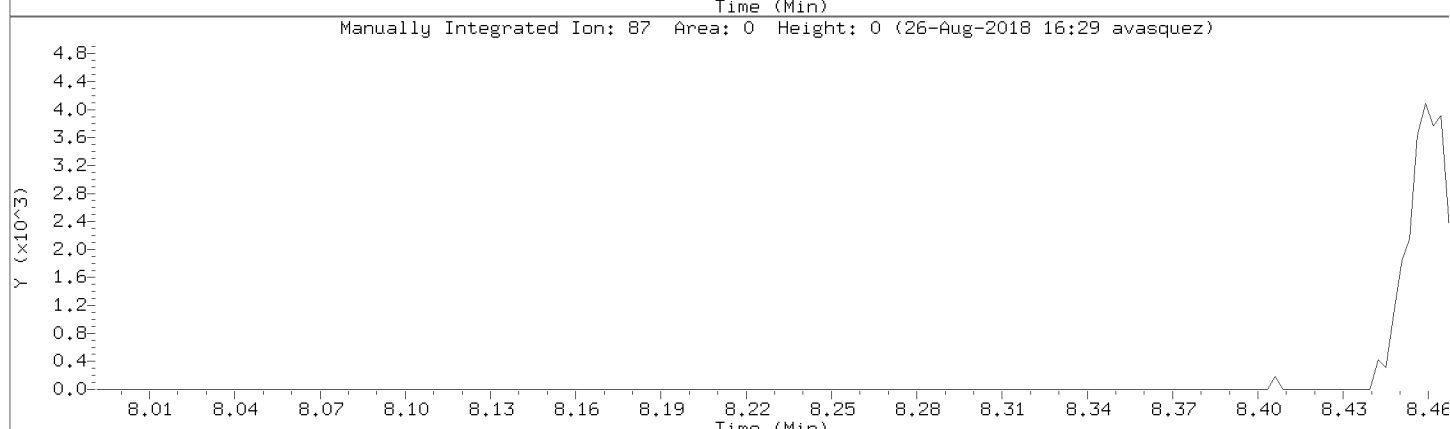
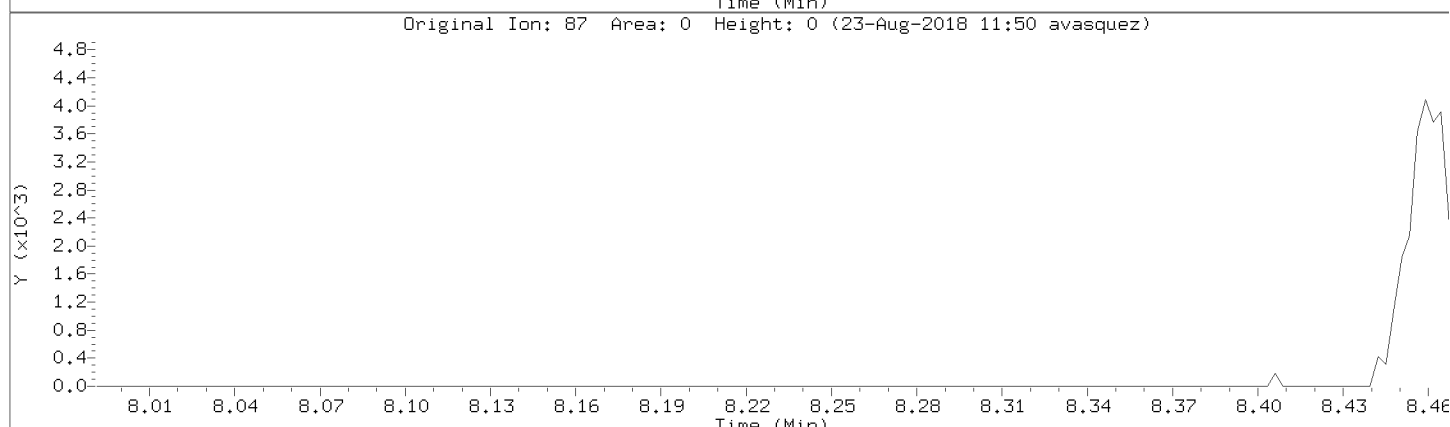
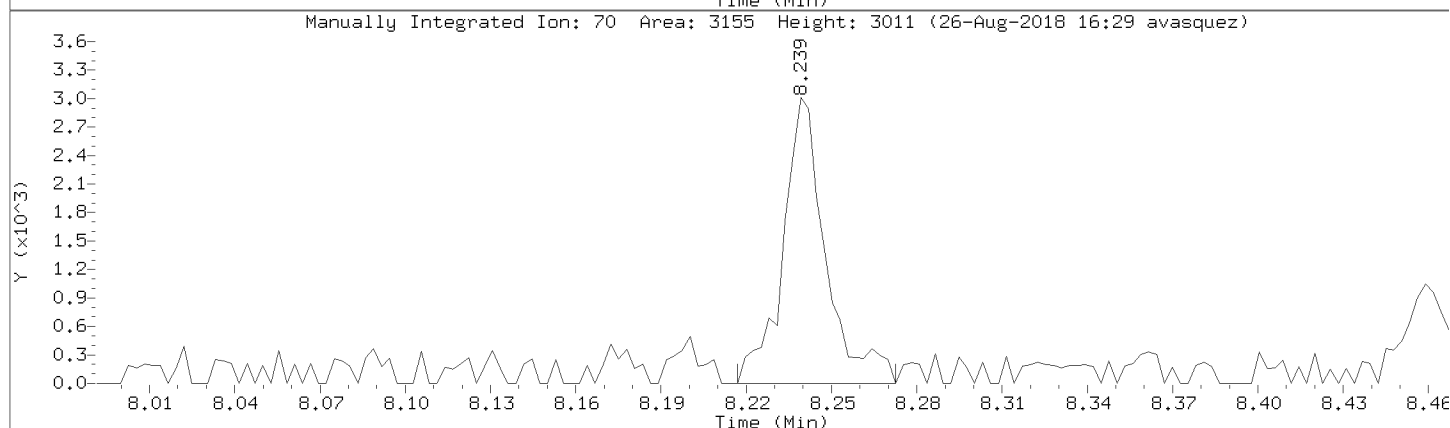
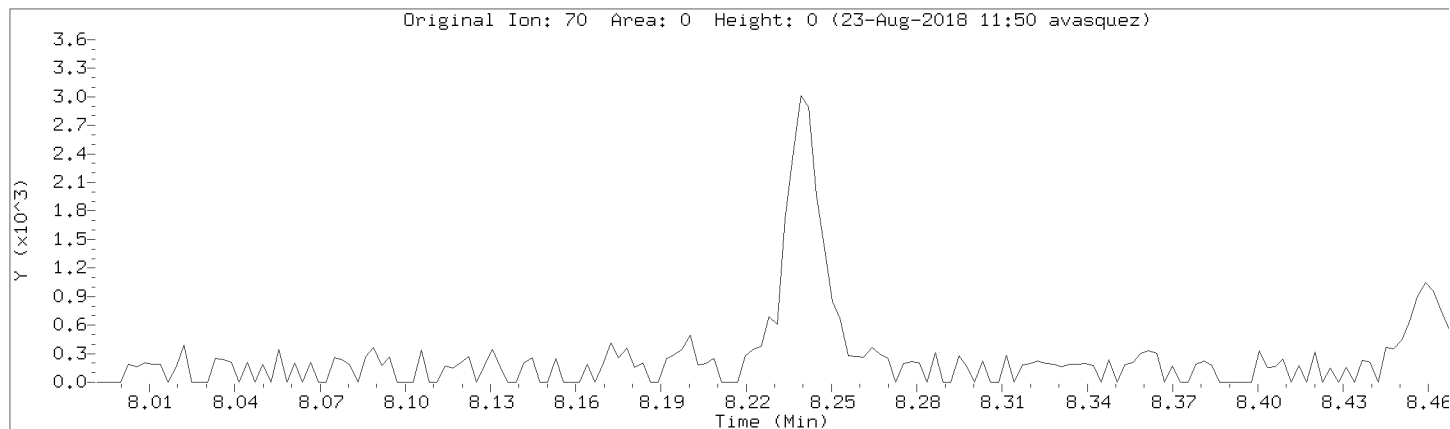
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

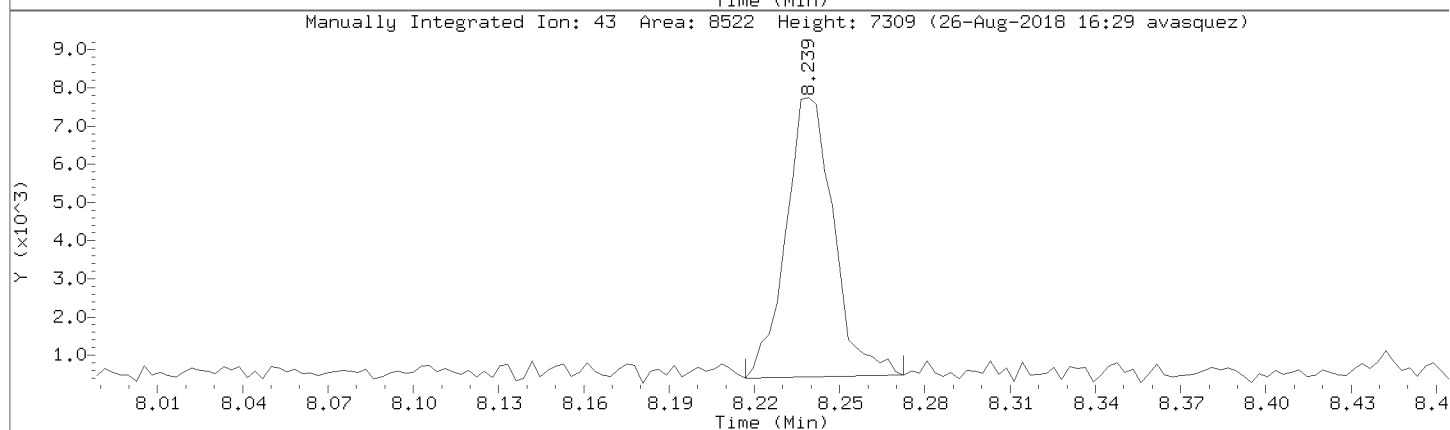
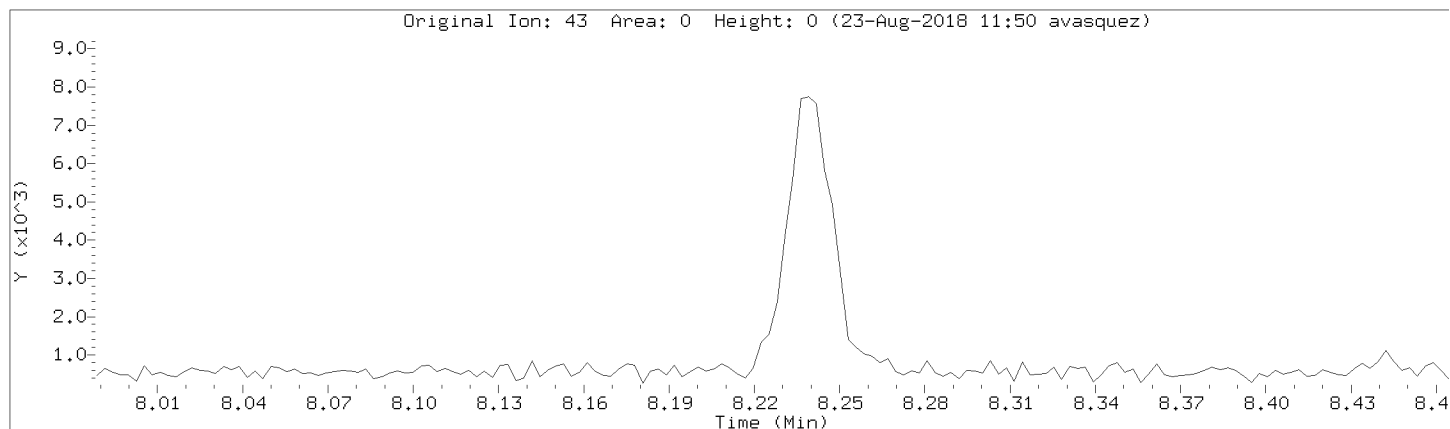
Compound: n-amyl acetate

Review Code: NI

CAS Number: 628-63-7



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



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Injection Date: 22-AUG-2018 14:19

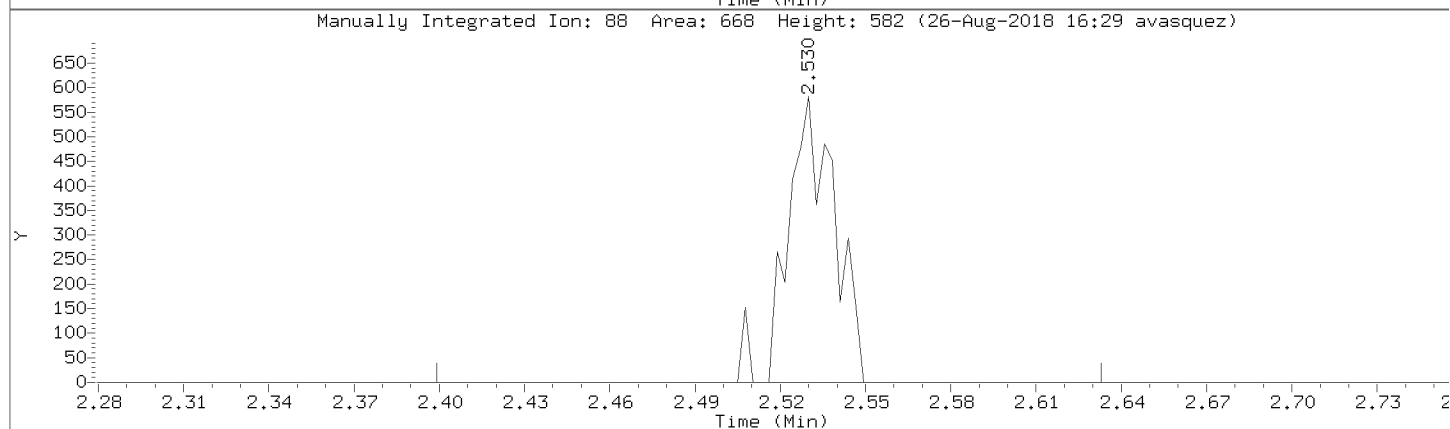
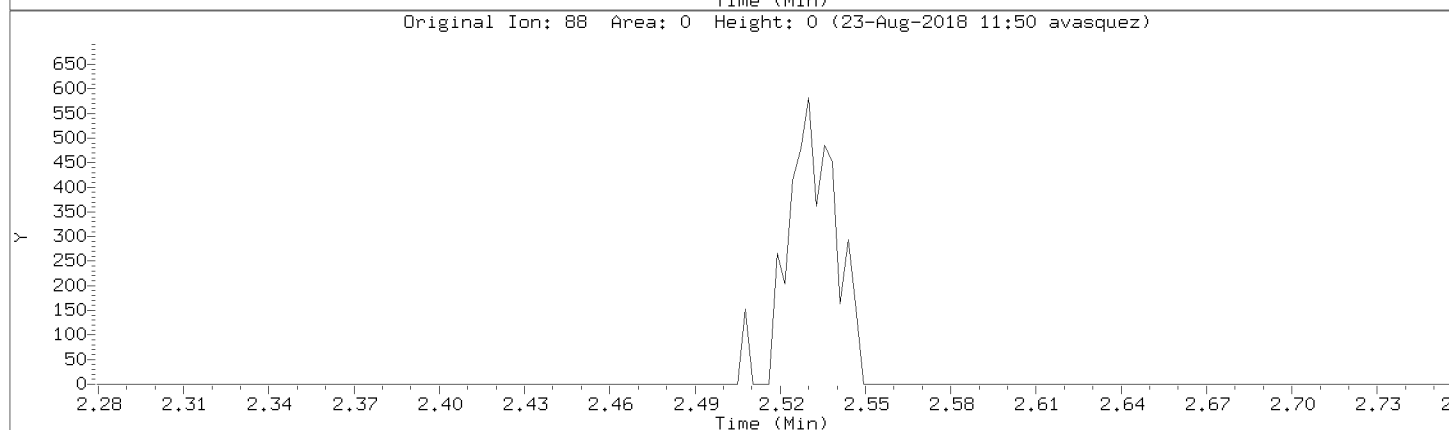
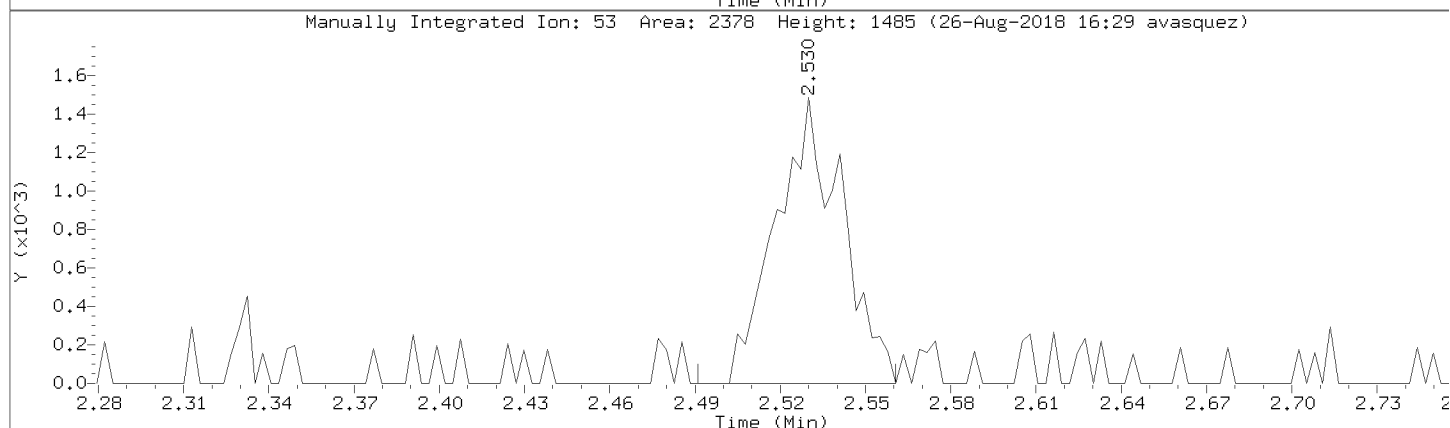
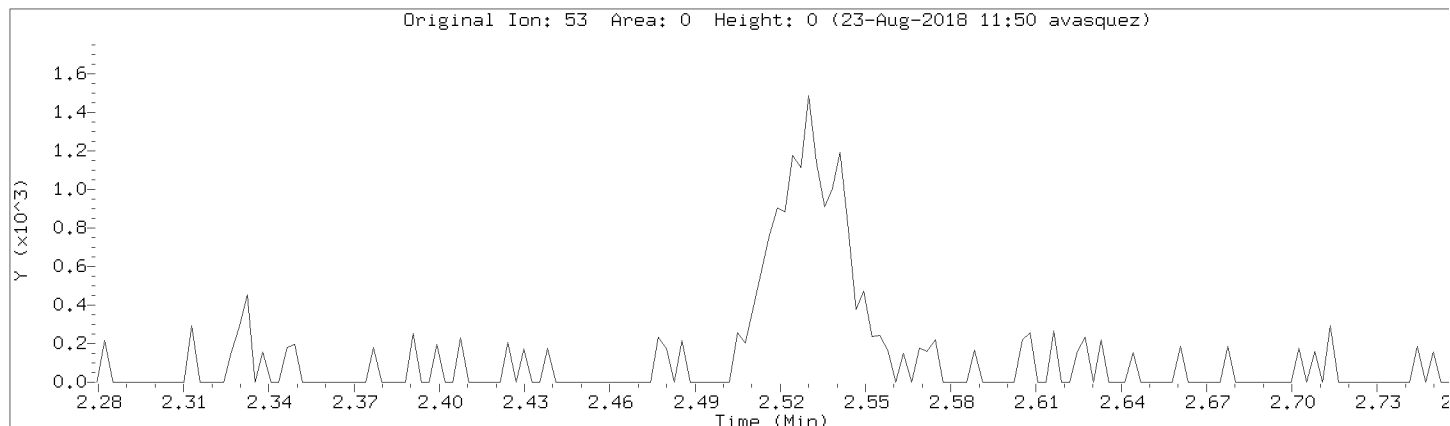
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

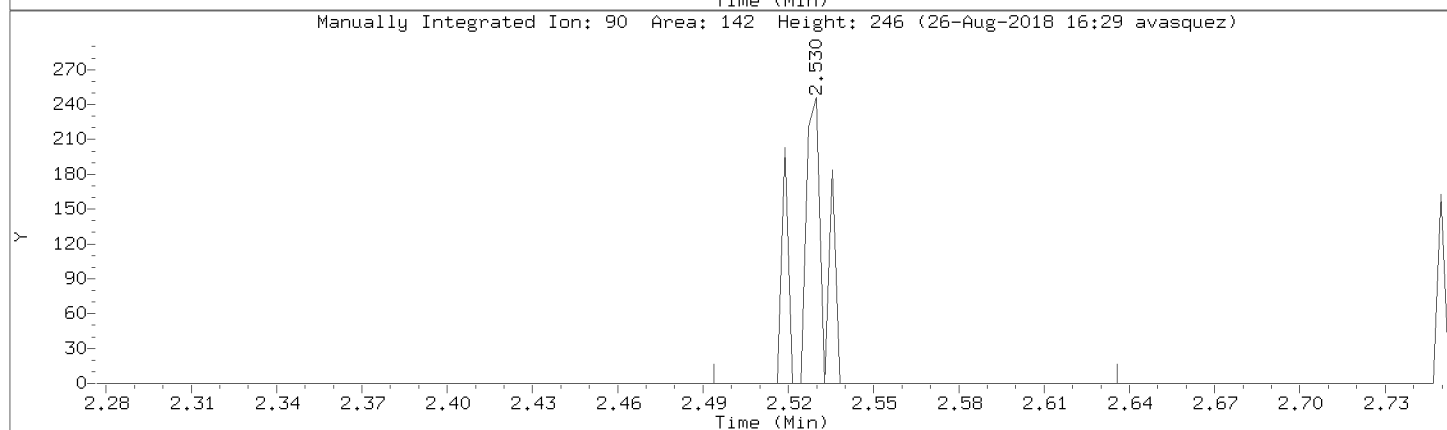
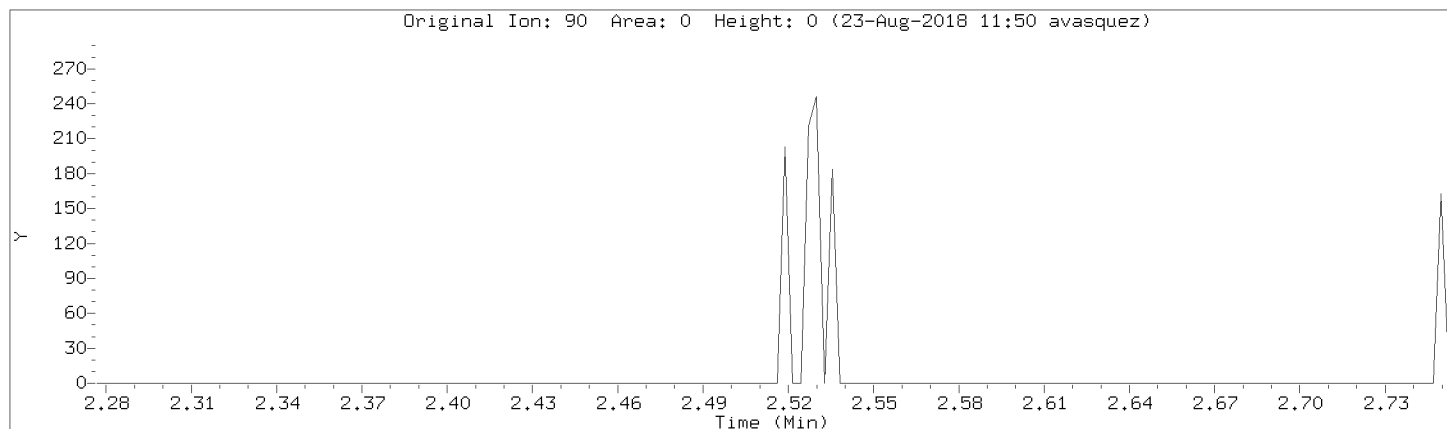
Compound: Chloroprene

Review Code: NI

CAS Number: 126-99-8

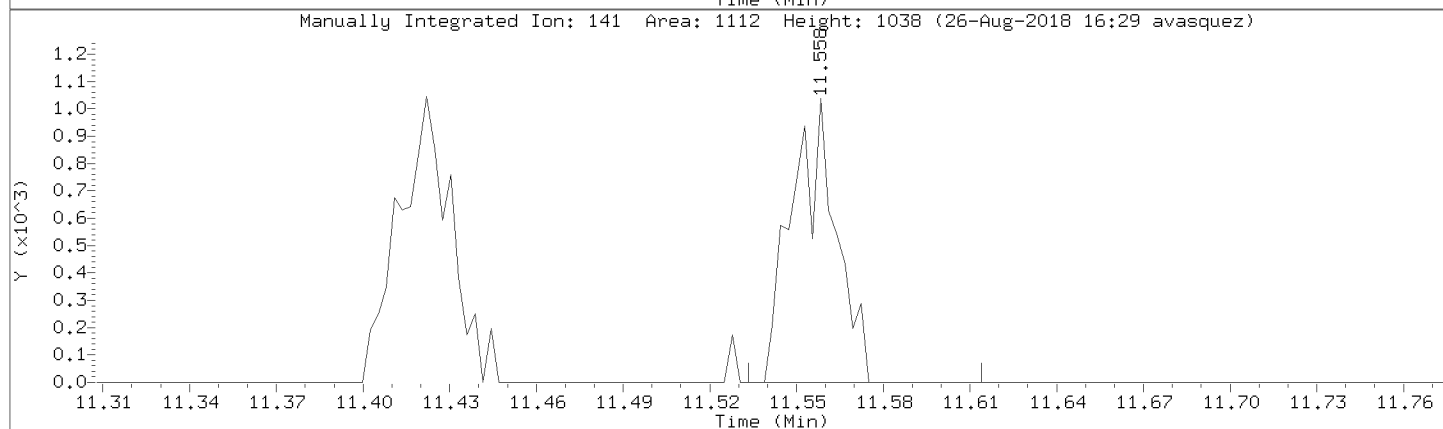
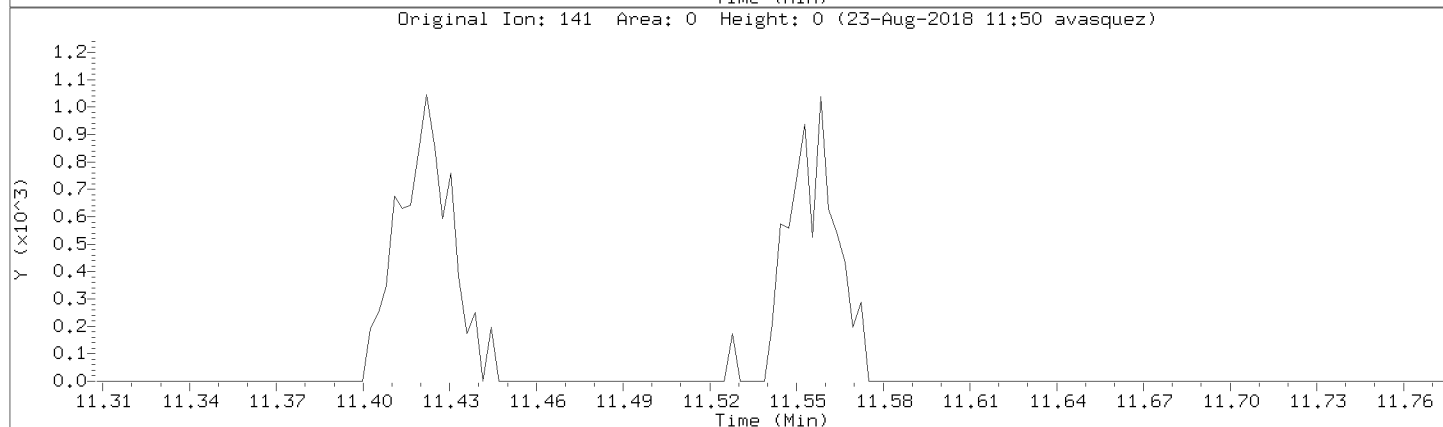
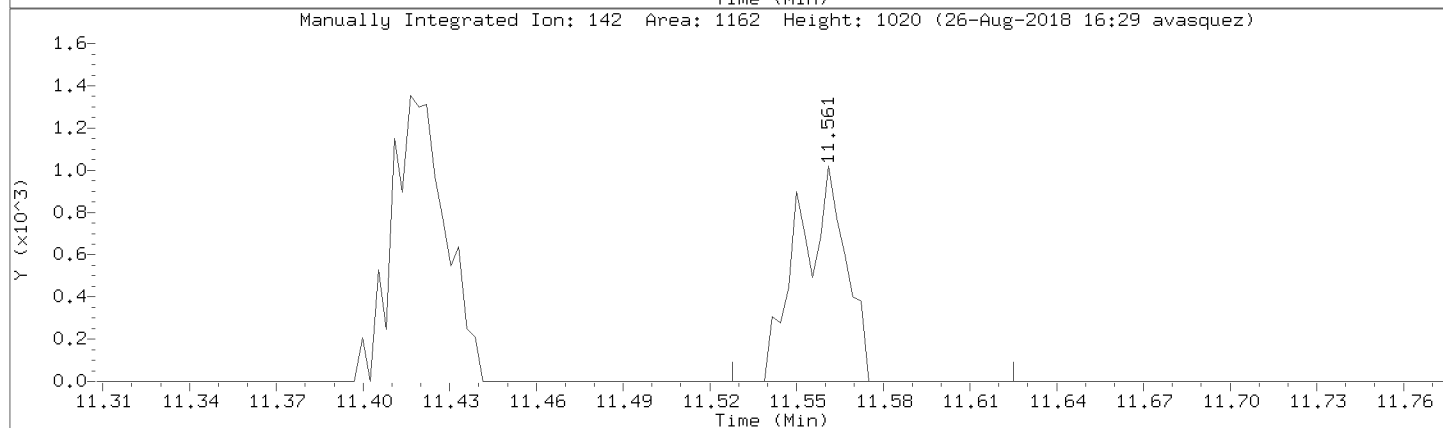
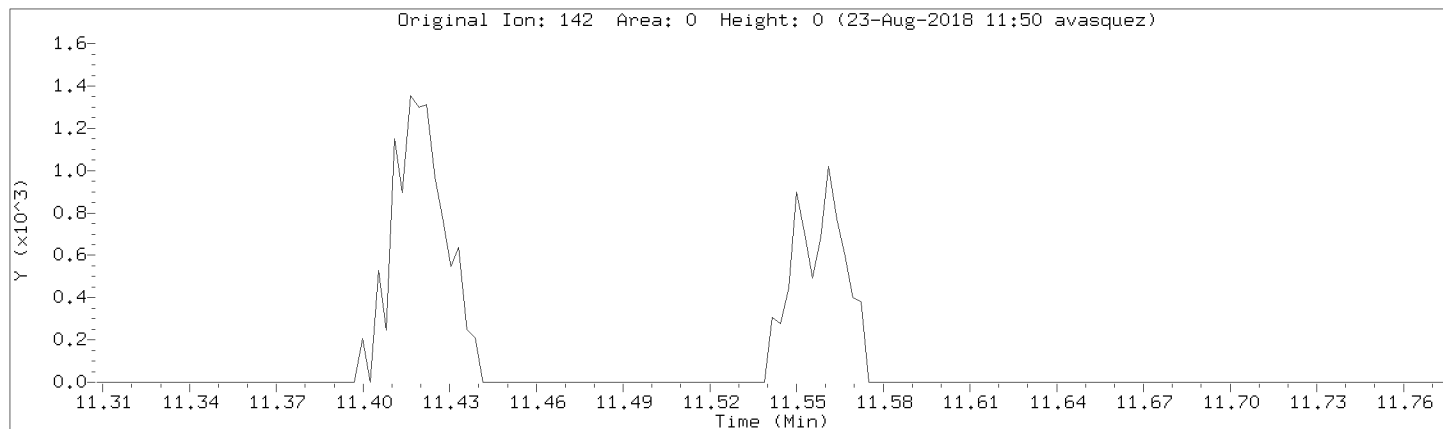


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

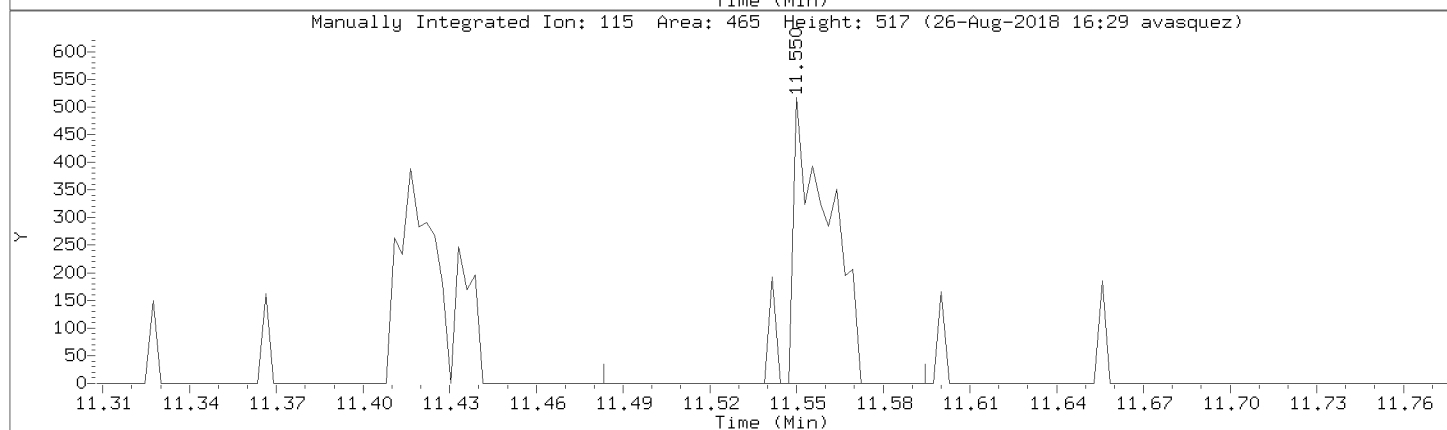
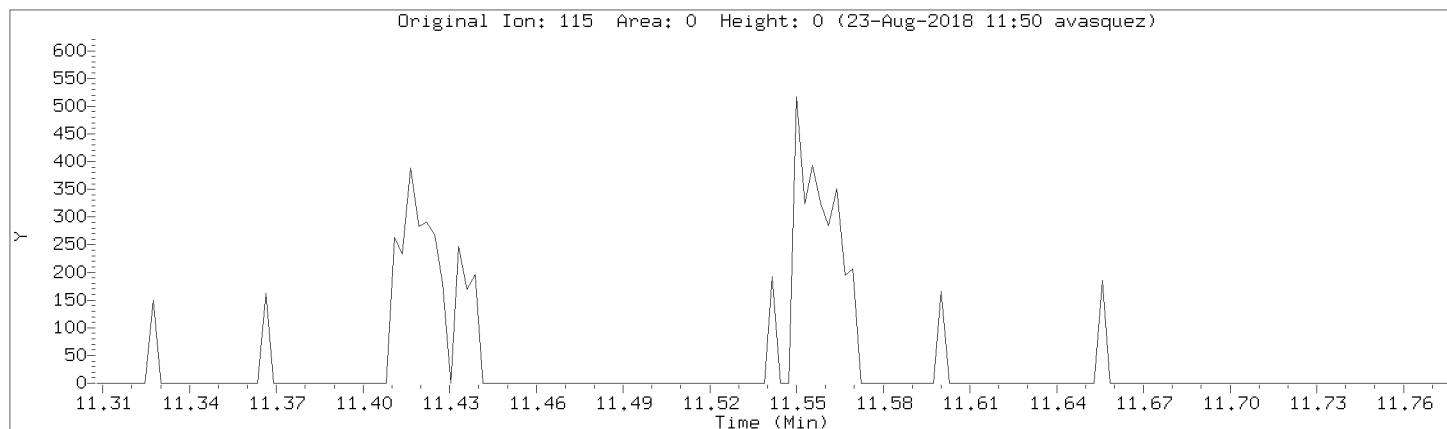


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: 1-Methylnaphthalene Review Code: NI
CAS Number: 90-12-0



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



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Injection Date: 22-AUG-2018 14:19

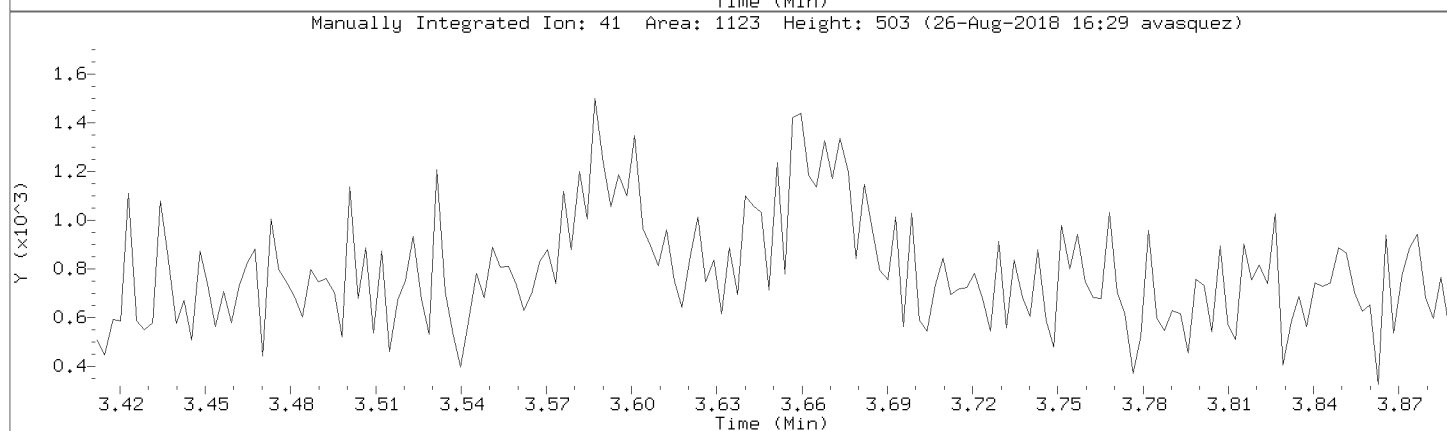
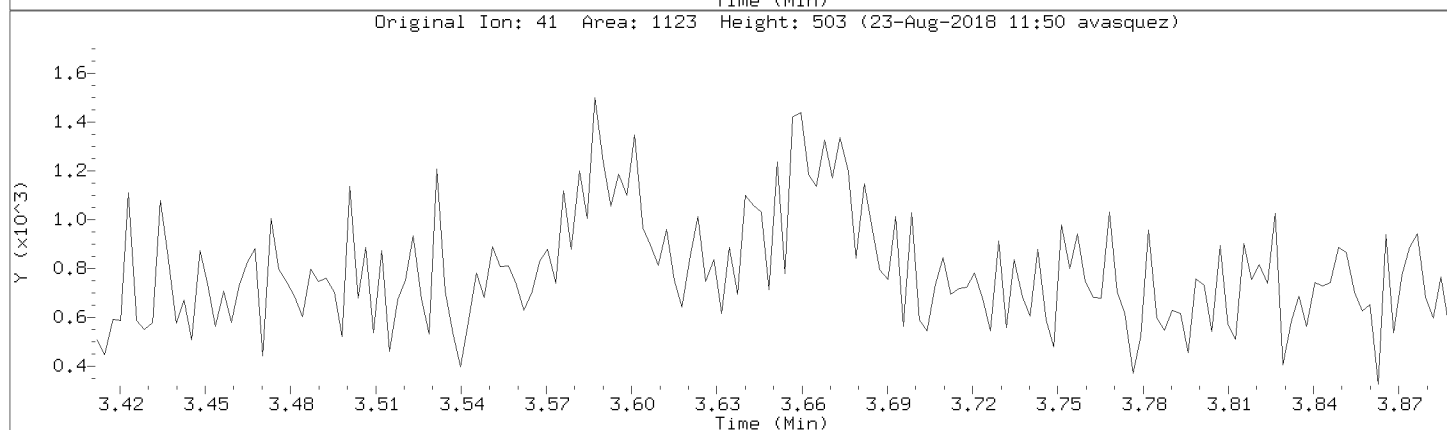
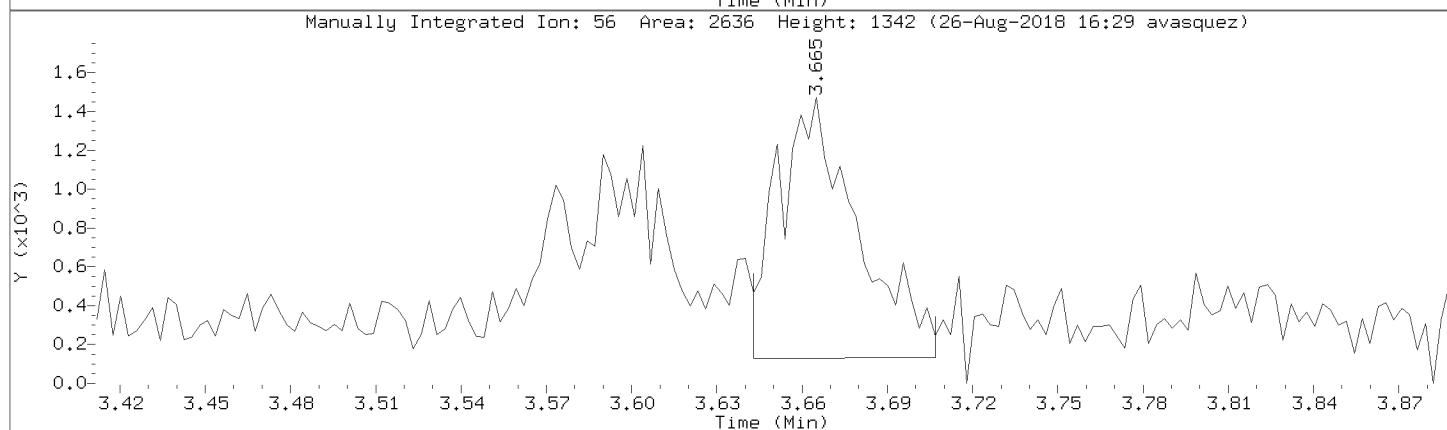
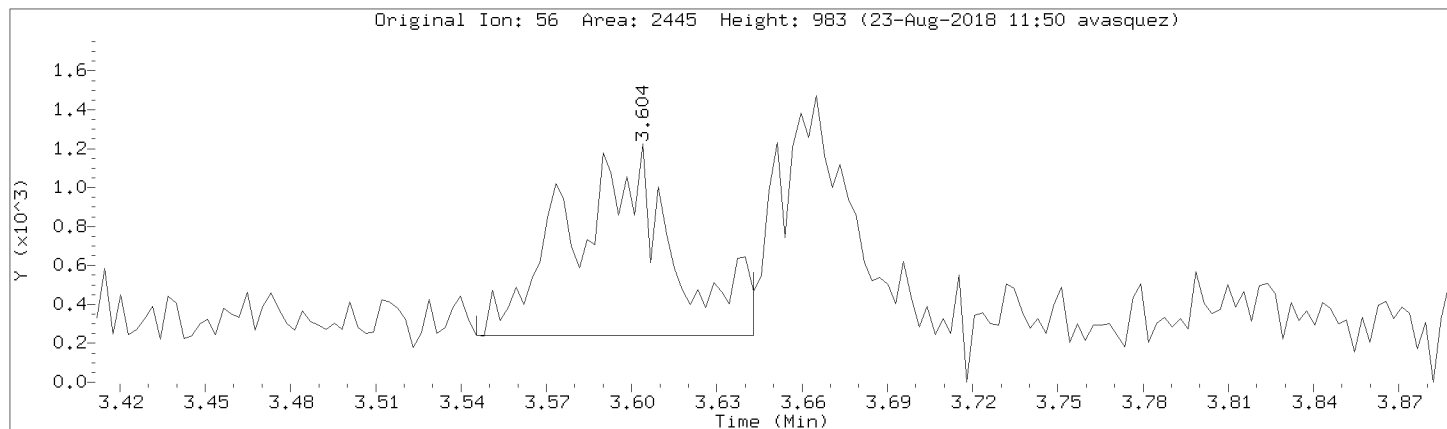
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: n-butyl chloride

Review Code: WP

CAS Number: 109-69-3



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d

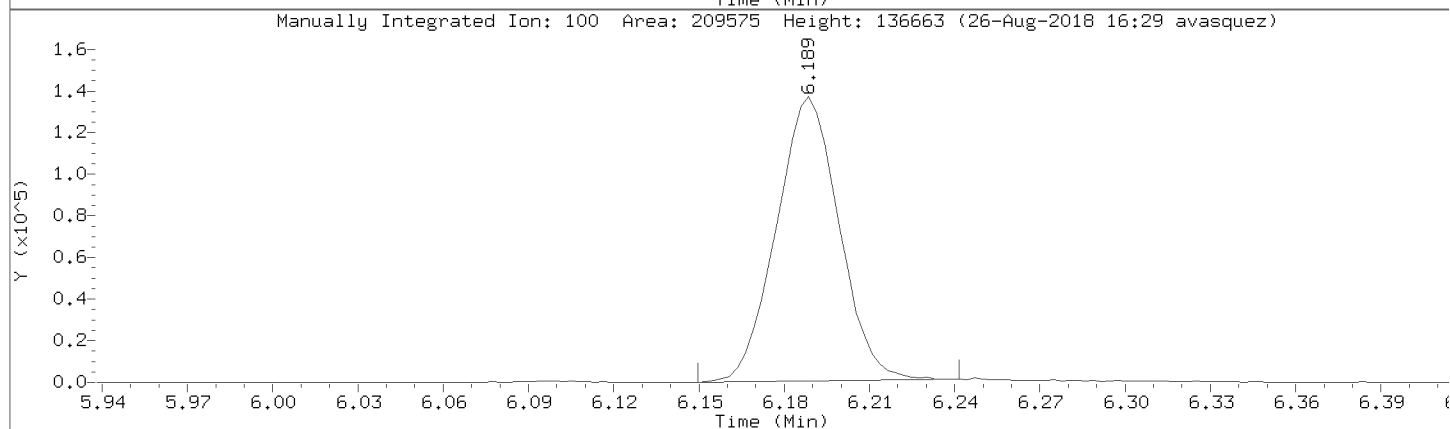
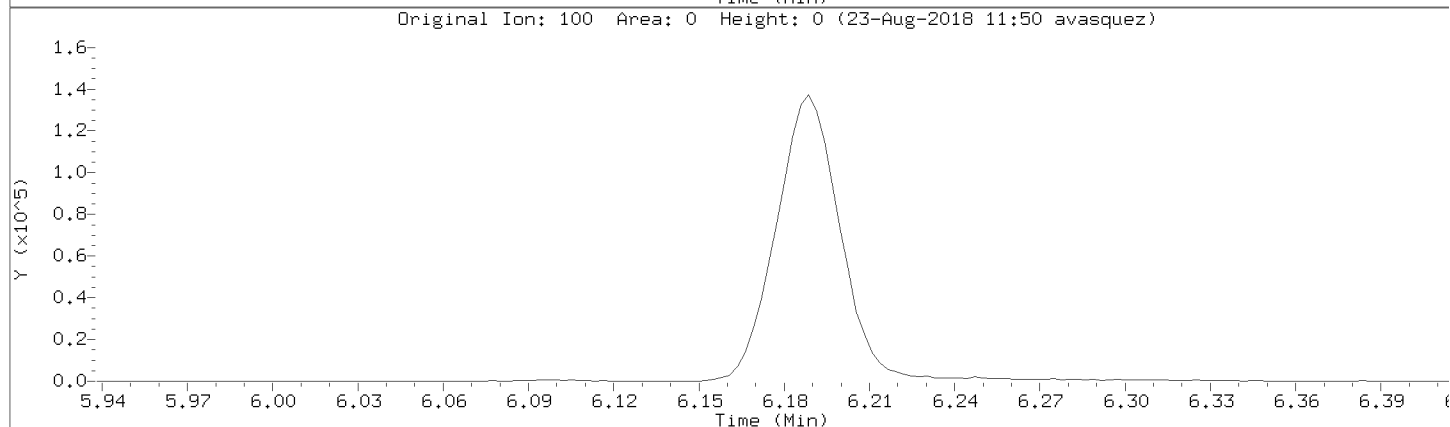
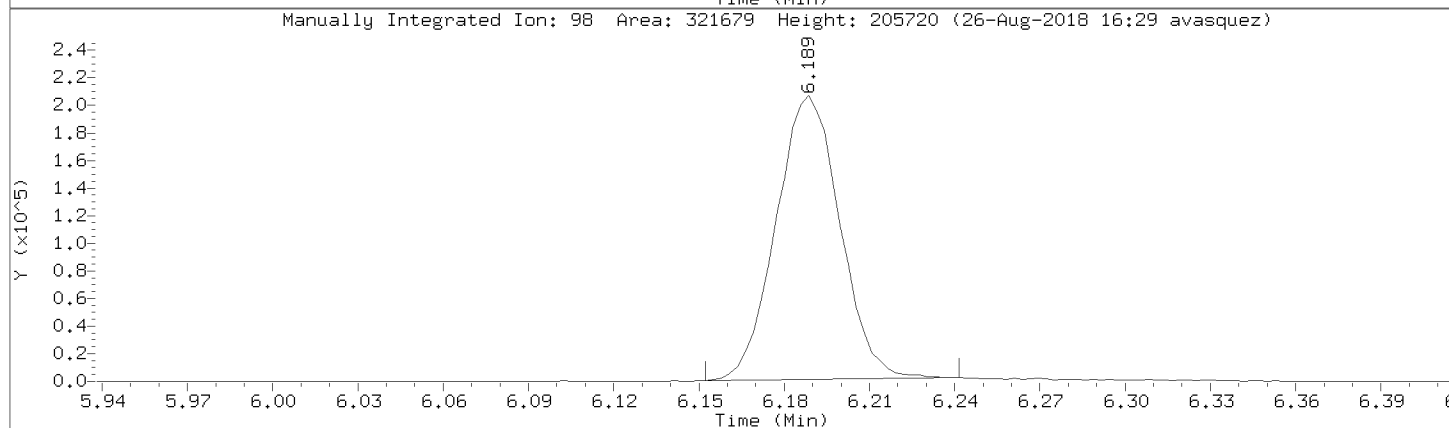
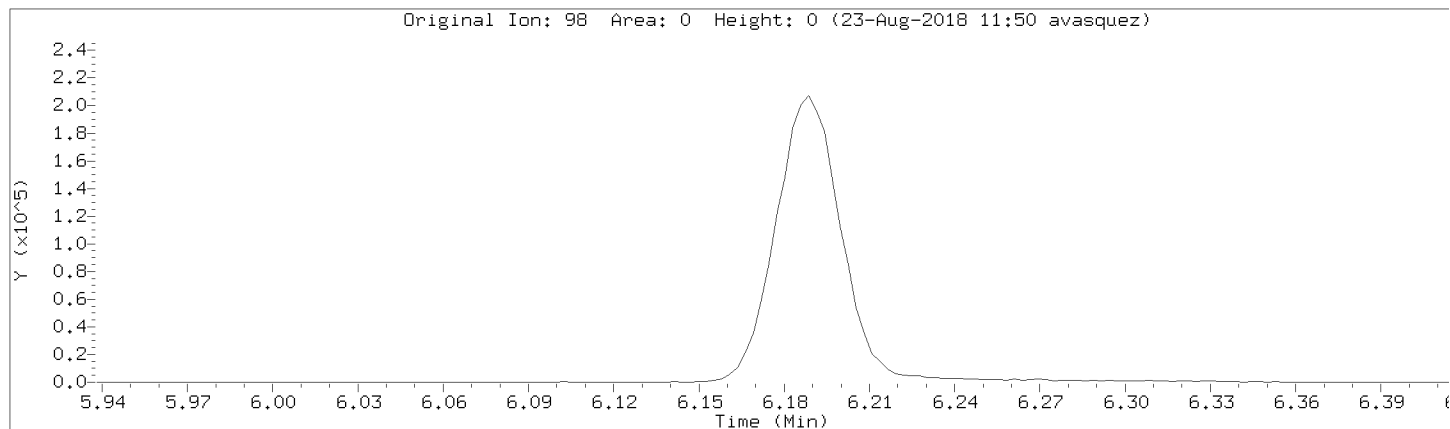
Injection Date: 22-AUG-2018 14:19

Instrument: 50mv2a.i

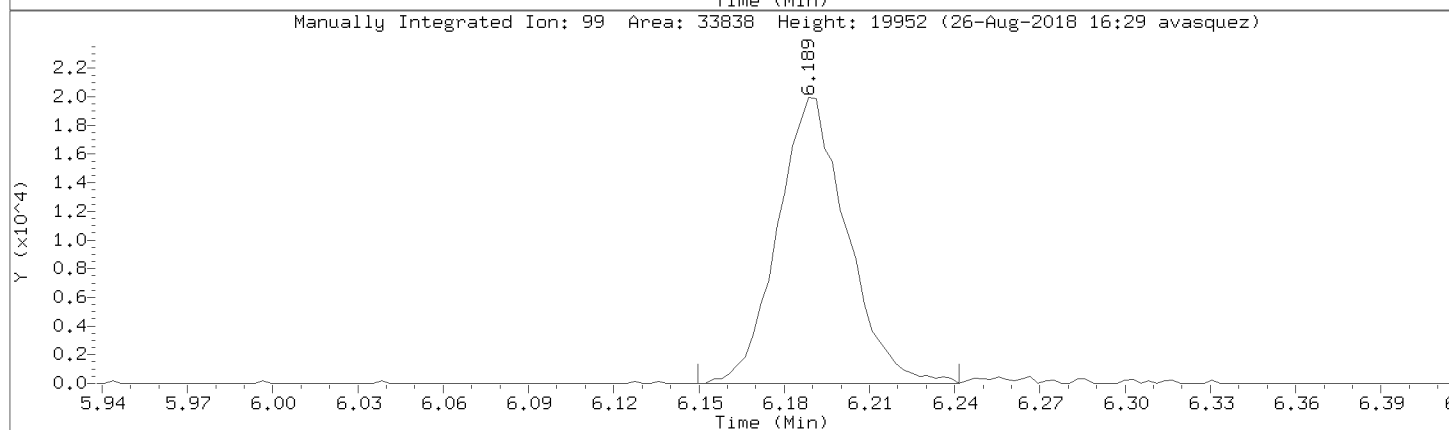
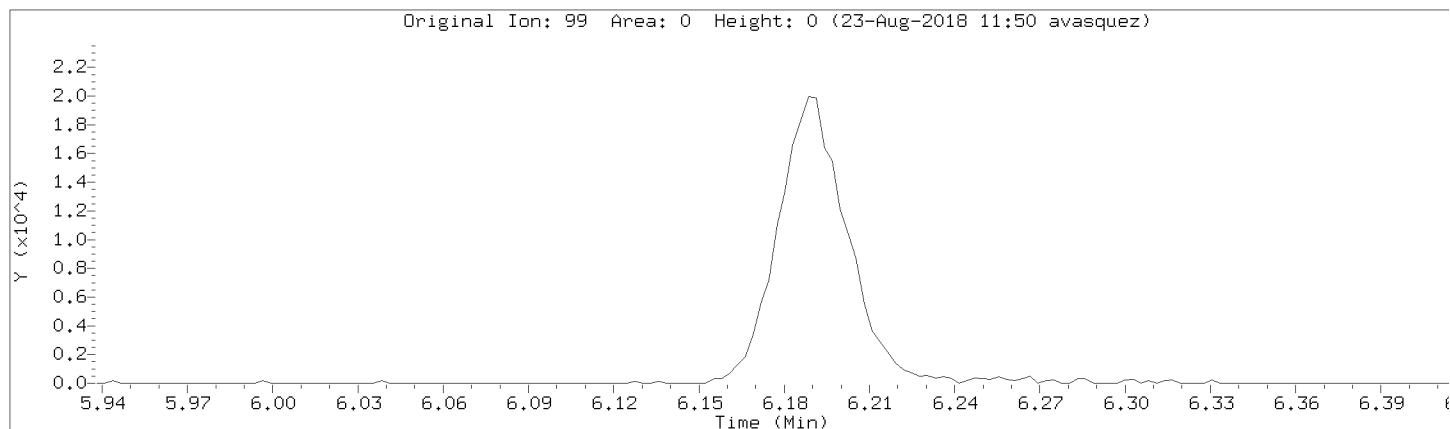
Lab Sample ID: 8260-CAL1

Compound: Toluene-d8 Review Code: NI

CAS Number: 2037-26-5



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a082218.b\a03cal.d
 Lab Smp Id: 8260-CAL2 Client Smp ID: 8260-CAL2
 Inj Date : 22-AUG-2018 14:52
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 8260-cal2,184420:0
 Misc Info : 117473
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a082218.b\ -a8260_a_c.m
 Meth Date : 26-Aug-2018 16:30 50mv2a.i Quant Type: ISTD
 Cal Date : 15-AUG-2018 18:27 Cal File: a08cal.d
 Als bottle: 3 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					REVIEW C		
			CAL-AMT	ON-COL	MASS	RT	EXP RT		REL RT	RESPONSE
			(ppb)	(ppb)						
1 Dichlorodifluoromethane	85		1.00000	0.935 (M)		0.927	0.927	(0.213)	2657	NI
2 Chloromethane	50		1.00000	2.08 (TM)		1.033	1.032	(0.237)	2108	
3 Vinyl Chloride	62		1.00000	1.09 (QM)		1.069	1.069	(0.245)	2271	GT
4 Bromomethane	94		1.00000	0.988 (QM)		1.230	1.230	(0.282)	635	NI
5 Chloroethane	64		1.00000	0.709 (M)		1.277	1.277	(0.293)	1319	NI
6 Trichlorofluoromethane	101		1.00000	1.19		1.400	1.402	(0.321)	2960	
7 Diethyl ether	74		1.00000	0.897 (QM)		1.539	1.539	(0.353)	922	NI
8 1,2-dichlorotrifluoroethane	67		1.00000	0.841 (M)		1.539	1.536	(0.353)	2315	NI
9 Acrolein	56		20.00000	23.3 (M)		1.614	1.614	(0.370)	9246	NI
10 1,1,2trichlorotrifluoroethane	101		1.00000	0.967		1.667	1.667	(0.382)	1552	
11 1,1-Dichloroethene	96		1.00000	1.01 (M)		1.678	1.675	(0.385)	1634	NI
12 Acetone	43		5.00000	6.56 (M)		1.692	1.695	(0.388)	5303	NI
13 Iodomethane	142		2.00000	1.95		1.770	1.770	(0.406)	3542	
14 Carbon Disulfide	76		1.00000	0.998 (M)		1.814	1.814	(0.416)	4769	
15 Methyl Acetate	43		1.00000	0.857 (M)		1.692	1.695	(0.388)	4353	NI
16 Acetonitrile	39		1.00000	1.09 (M)		1.884	1.881	(0.432)	5600	NI
17 allyl chloride	41		2.00000	1.45 (M)		1.881	1.881	(0.431)	6989	WP
18 Methylene Chloride	84		1.00000	0.654 (M)		1.959	1.956	(0.449)	4621	
19 tert-Butyl Alcohol	59		2.00000	2.20 (QM)		2.006	2.003	(0.460)	320	
20 Acrylonitrile	53		4.00000	4.05 (M)		2.109	2.112	(0.484)	2926	GT
21 Methyl-tert-butyl ether	73		1.00000	0.982 (M)		2.134	2.134	(0.490)	4876	BA
22 1,2-Dichloroethene (trans)	96		1.00000	1.03 (QM)		2.143	2.140	(0.491)	1830	LT
23 n-Hexane	57		1.00000	1.08 (M)		2.337	2.335	(0.536)	5092	NI

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
24 Vinyl Acetate	43	2.485	2.485	(0.570)	23367	4.00000	4.25	
25 1,1-Dichloroethane	63	2.452	2.454	(0.562)	3284	1.00000	0.977 (M)	NI
26 Chloroprene	53	2.527	2.529	(0.580)	3656	1.00000	0.958 (M)	NI
27 Ethyl acetate	88	2.529	2.529	(0.580)	1511	8.00000	7.82 (M)	NI
28 2-Butanone	72	2.986	2.983	(0.685)	805	5.00000	4.96 (QM)	NI
29 1,2-Dichloroethene (cis)	96	2.972	2.969	(0.682)	1995	1.00000	1.02	
30 2,2-Dichloropropane	77	2.972	2.972	(0.682)	2927	1.00000	1.01 (M)	WP
32 Methacrylonitrile	41	3.219	3.214	(0.738)	2659	1.00000	0.709 (M)	NI
33 Bromochloromethane	49	3.219	3.219	(0.738)	1577	1.00000	1.01 (M)	NI
34 Tetrahydrofuran	42	3.270	3.269	(0.750)	1881	1.00000	1.41 (M)	NI
35 Chloroform	83	3.308	3.311	(0.759)	3355	1.00000	1.00	
\$ 36 Dibromofluoromethane (S)	113	3.500	3.503	(0.803)	81078	50.00000	50.8	
37 1,1,1-Trichloroethane	97	3.537	3.523	(0.811)	3368	1.00000	0.906 (M)	GT
38 cyclohexane	56	3.595	3.587	(0.825)	4874	1.00000	1.23 (M)	LT
150 n-butyl chloride	56	3.659	3.662	(0.839)	5415	1.00000	1.15 (TQM)	NI
39 Carbon Tetrachloride	117	3.734	3.728	(0.856)	2623	1.00000	1.01 (M)	NI
40 1,1-Dichloropropene	75	3.734	3.734	(0.856)	2296	1.00000	0.942 (M)	NI
41 Benzene	78	4.007	4.004	(0.919)	6666	1.00000	0.960	
42 1,2-Dichloroethane	62	4.029	4.032	(0.924)	2586	1.00000	1.02 (M)	NI
43 2,2,4-Trimethylpentane	57	4.124	4.121	(0.946)	8433	1.00000	1.05 (TQM)	
* 45 Fluorobenzene	96	4.360	4.363	(1.000)	356970	50.00000		
46 isopropyl acetate	61	4.140	4.146	(0.950)	2648	4.00000	3.82 (M)	GT
47 Trichloroethene	95	4.805	4.802	(1.102)	1922	1.00000	1.02 (M)	LT
48 Methylcyclohexane	55	5.008	5.022	(1.149)	3348	1.00000	1.00 (QM)	GT
49 1,2-Dichloropropane	63	5.070	5.067	(1.163)	1767	1.00000	0.959 (M)	NI
50 1,4-Dioxane	88	5.239	5.245	(1.202)	35	20.00000	27.1 (QM)	NI
51 Dibromomethane	93	5.198	5.200	(1.192)	1101	1.00000	1.14 (QM)	NI
52 Methyl methacrylate	69	5.253	5.248	(1.205)	1666	1.00000	1.20 (TQM)	NI
53 Bromodichloromethane	83	5.401	5.398	(1.239)	2636	1.00000	1.04 (M)	NI
54 2-Chloroethyl vinyl ether	63	5.771	5.771	(0.765)	2489	2.00000	1.86 (M)	NI
55 cis-1,3-Dichloropropene	75	5.904	5.907	(0.783)	2840	1.00000	0.971 (M)	NI
56 4-Methyl-2-Pentanone	43	6.096	6.099	(0.809)	10876	5.00000	4.80 (Q)	
\$ 57 Toluene-d8	98	6.188	6.188	(0.821)	330387	50.00000	49.1	
58 Toluene	91	6.260	6.260	(0.830)	9402	1.00000	1.14 (M)	NI
59 trans-1,3-Dichloropropene	75	6.516	6.513	(0.864)	2504	1.00000	0.914	
60 Ethyl Methacrylate	69	6.633	6.633	(0.880)	2884	1.00000	0.883 (M)	NI
61 1,1,2-Trichloroethane	83	6.683	6.689	(0.886)	1851	1.00000	0.971 (M)	WP
62 Tetrachloroethene	166	6.806	6.806	(0.903)	1904	1.00000	0.858 (M)	NI
63 1,3-Dichloropropane	76	6.842	6.845	(0.907)	2619	1.00000	0.972 (M)	NI
64 2-Hexanone	43	6.948	6.945	(0.921)	7834	5.00000	4.91 (M)	NI
65 Dibromochloromethane	129	7.048	7.045	(0.935)	1663	1.00000	0.920	
66 1,2-Dibromoethane	107	7.134	7.134	(0.946)	1371	1.00000	0.909	
* 67 Chlorobenzene-d5	117	7.540	7.540	(1.000)	274955	50.00000		
68 Chlorobenzene	112	7.568	7.565	(1.004)	4508	1.00000	0.944 (Q)	
69 1,1,1,2-Tetrachloroethane	131	7.638	7.640	(1.013)	1728	1.00000	0.934 (Q)	
70 Ethylbenzene	106	7.668	7.663	(1.017)	2528	1.00000	0.909 (Q)	
71 m&p-Xylene	106	7.760	7.763	(1.029)	6024	2.00000	1.74	
72 o-Xylene	106	8.066	8.072	(1.070)	2950	1.00000	0.934	
73 Styrene	104	8.083	8.083	(1.072)	5291	1.00000	0.985	
74 Bromoform	173	8.219	8.219	(0.887)	1250	1.00000	0.973 (M)	NI
75 Isopropylbenzene	105	8.350	8.353	(1.107)	8853	1.00000	0.978	
\$ 76 4-Bromofluorobenzene	95	8.461	8.461	(1.122)	126735	50.00000	49.2	
77 n-amyl acetate	70	8.239	8.241	(1.093)	4937	4.00000	3.81 (M)	NI
78 Bromobenzene	77	8.567	8.567	(1.136)	2901	1.00000	0.918	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
79 1,1,2,2-Tetrachloroethane	83	8.578	8.575 (0.926)		2250	1.00000	1.10 (M)	NI
80 trans-1,4-Dichloro-2-butene	53	8.617	8.614 (1.143)		776	1.00000	1.05 (M)	NI
81 1,2,3-Trichloropropane	110	8.600	8.603 (0.928)		500	1.00000	0.779 (QM)	NI
82 n-Propylbenzene	91	8.648	8.650 (0.933)		9624	1.00000	0.942	
83 2-Chlorotoluene	91	8.703	8.709 (0.939)		5641	1.00000	0.825 (M)	GT
84 1,3,5-Trimethylbenzene	105	8.776	8.775 (0.947)		7342	1.00000	1.04 (M)	GT
85 4-Chlorotoluene	126	8.787	8.787 (0.948)		1947	1.00000	1.00	
86 tert-Butylbenzene	119	9.004	9.004 (0.971)		8307	1.00000	1.01	
87 1,2,4-Trimethylbenzene	105	9.032	9.034 (0.974)		7221	1.00000	1.02 (M)	GT
88 sec-Butylbenzene	105	9.151	9.151 (0.987)		8796	1.00000	0.966 (M)	BA
89 1,3-Dichlorobenzene	146	9.224	9.223 (0.995)		3683	1.00000	0.959 (H)	WP
90 p-Isopropyltoluene	119	9.246	9.246 (0.998)		6959	1.00000	0.913 (M)	GT
* 91 1,4-Dichlorobenzene-d4	152	9.268	9.268 (1.000)		141863	50.0000		
92 1,4-Dichlorobenzene	146	9.288	9.285 (1.002)		3756	1.00000	0.973 (Q)	
93 n-Butylbenzene	91	9.516	9.516 (1.027)		7146	1.00000	0.996 (M)	NI
94 1,2-Dichlorobenzene	146	9.532	9.532 (1.029)		3186	1.00000	0.928	
95 1,2-Dibromo-3-chloropropane	155	10.036	10.033 (1.083)		317	1.00000	0.914 (QM)	NI
96 1,2,4-Trichlorobenzene	180	10.545	10.545 (1.138)		2245	1.00000	0.911 (M)	NI
97 Hexachlorobutadiene	225	10.642	10.640 (1.148)		1392	1.00000	1.09 (M)	NI
98 Naphthalene	128	10.701	10.701 (1.155)		5304	1.00000	0.927 (M)	NI
99 1,2,3-Trichlorobenzene	180	10.846	10.845 (1.170)		1866	1.00000	0.843 (M)	NI
100 2,methyl-naphthalene	142	11.419	11.419 (1.232)		2489	1.00000	0.847 (M)	NI
101 1-Methylnaphthalene	142	11.558	11.558 (1.247)		2192	1.00000	0.927 (M)	NI

QC Flag Legend

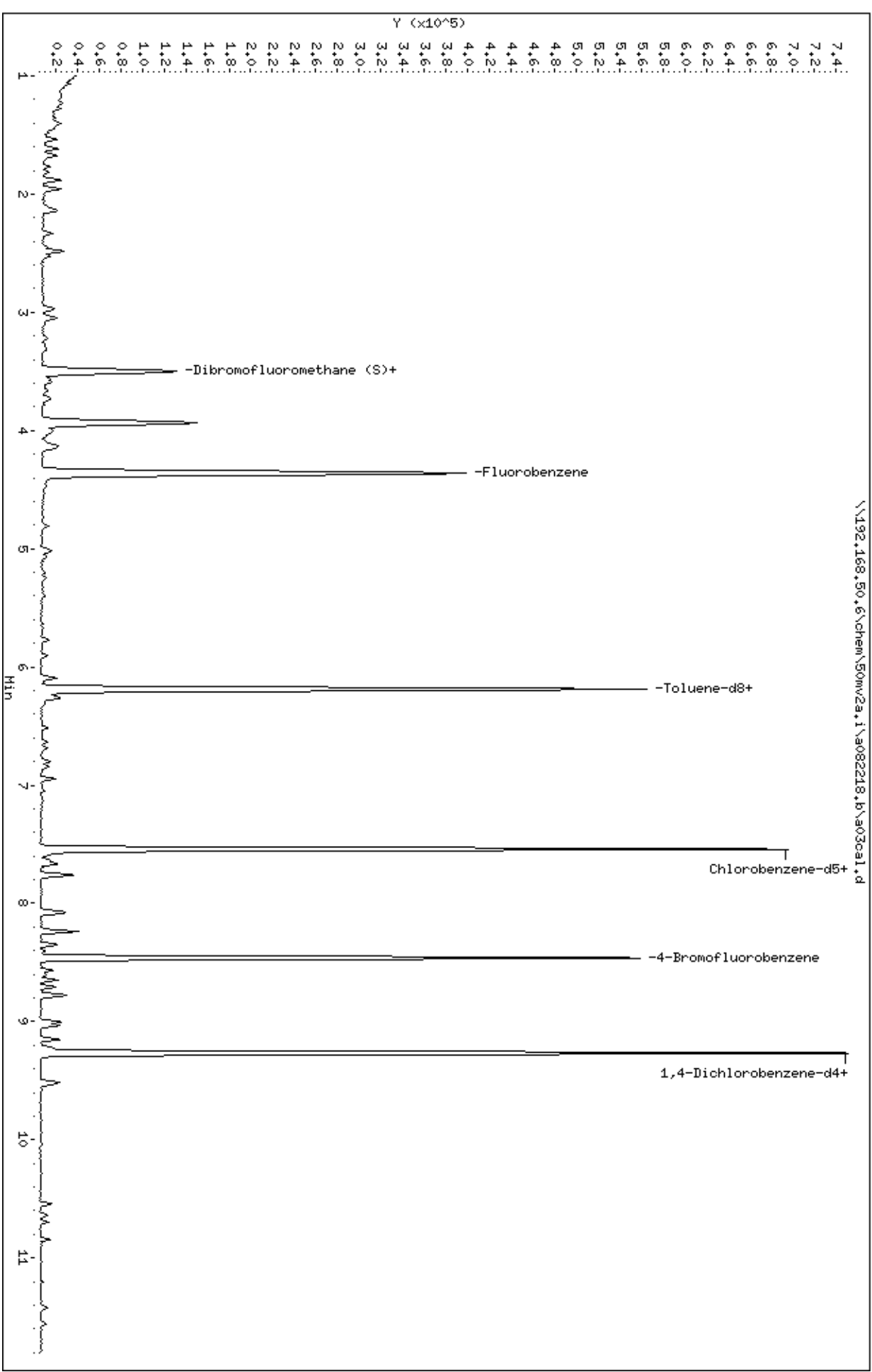
- T - Target compound detected outside RT window.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Review Codes Legend

- NI: Indicates that the peak was not integrated at all by the computer software.
- :
- GT: Indicates that the peak in question was inappropriately integrated to an area greater than it should be (e.g., Peak tailing).
- WP: Indicates that the wrong peak was chosen by the data system.
- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- LT: Indicates that the peak in question was inappropriately integrated to an area less than what it should be (e.g., Peak area was cut).

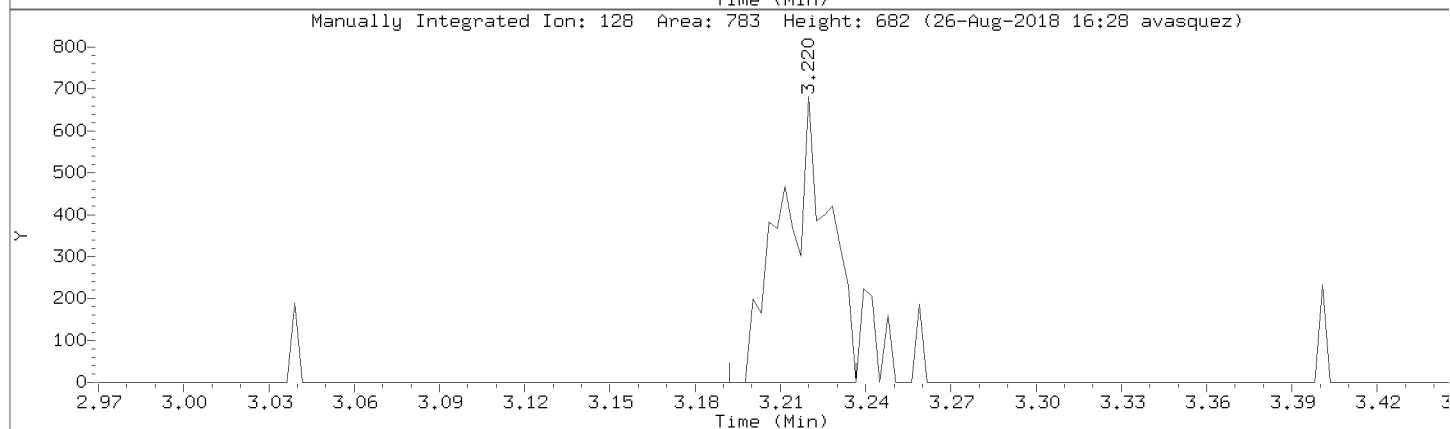
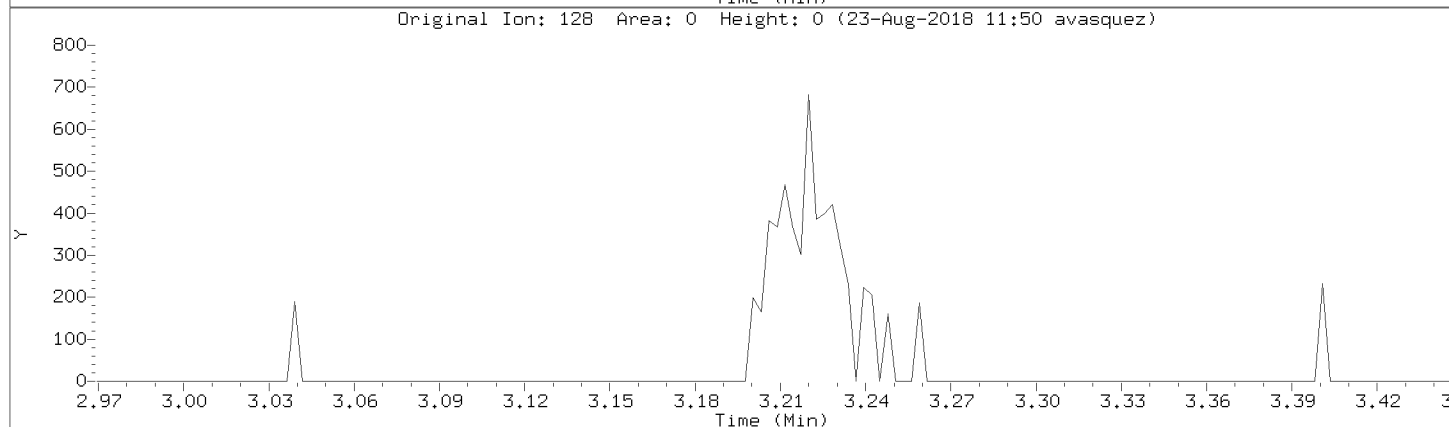
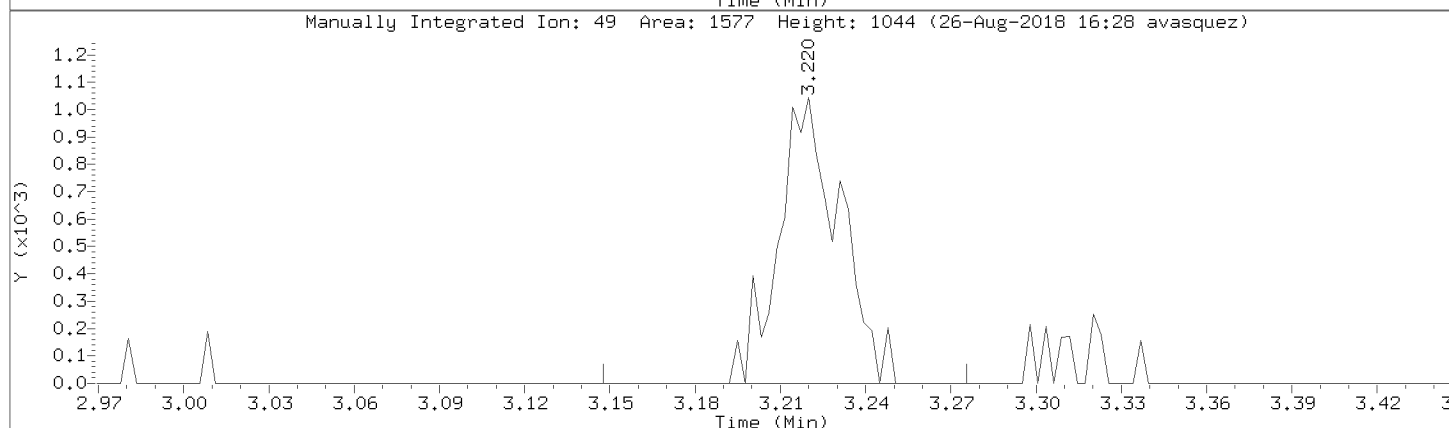
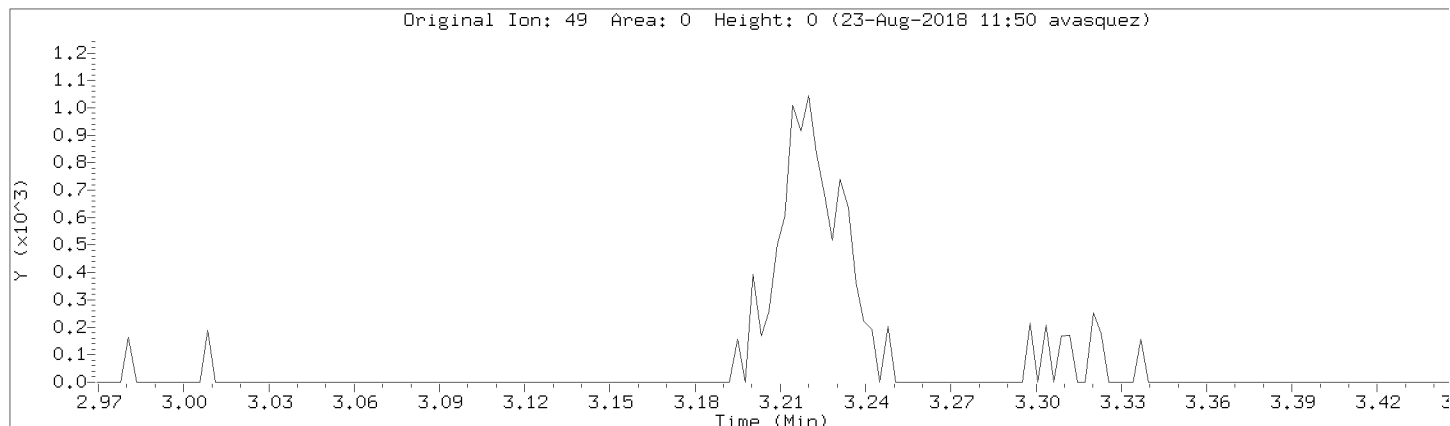
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Client ID: 8260-CAL2
Sample Info: 8260-CAL2,184420:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw2a.1
Operator: amv
Column diameter: 0.18

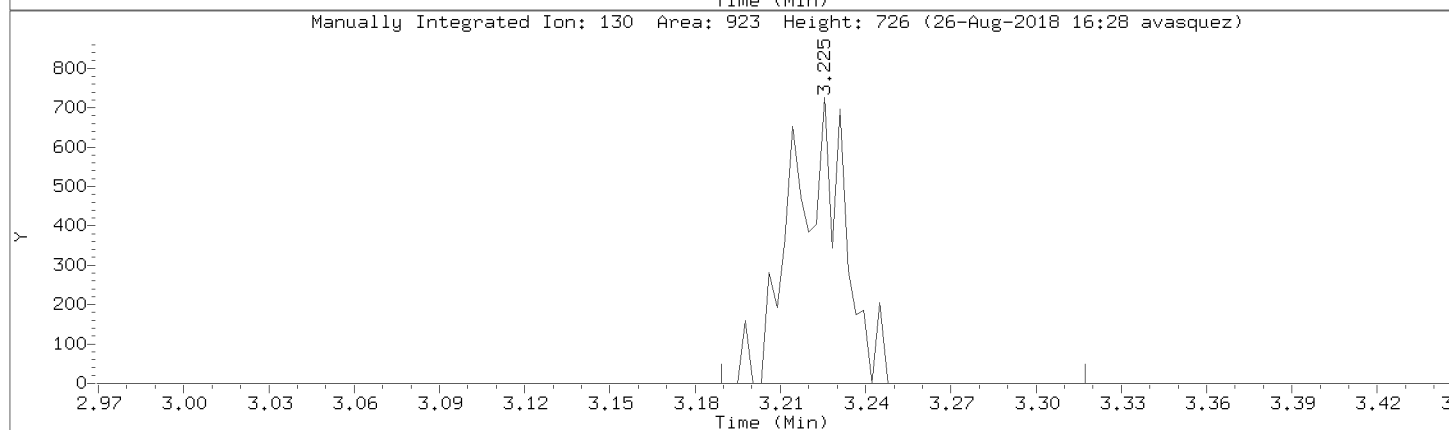
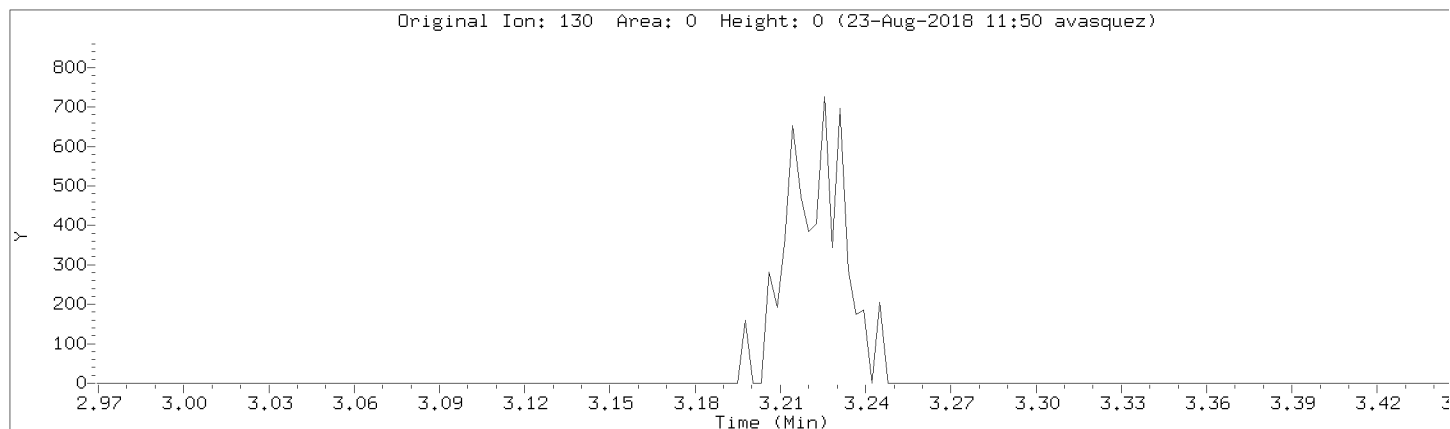


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Lab Sample ID: 8260-CAL2

Compound: Bromochloromethane Review Code: NI
CAS Number: 74-97-5

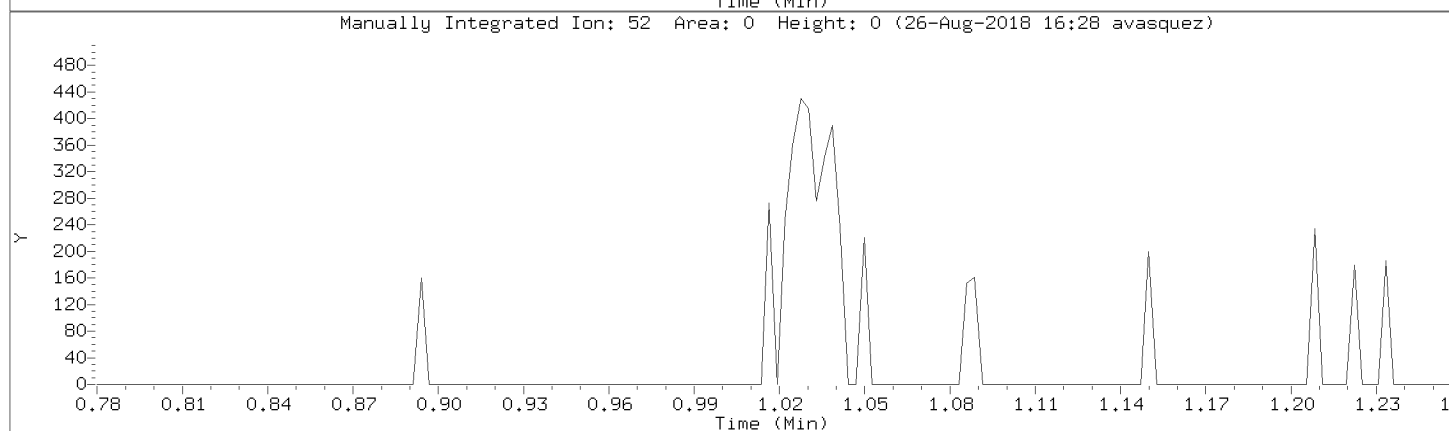
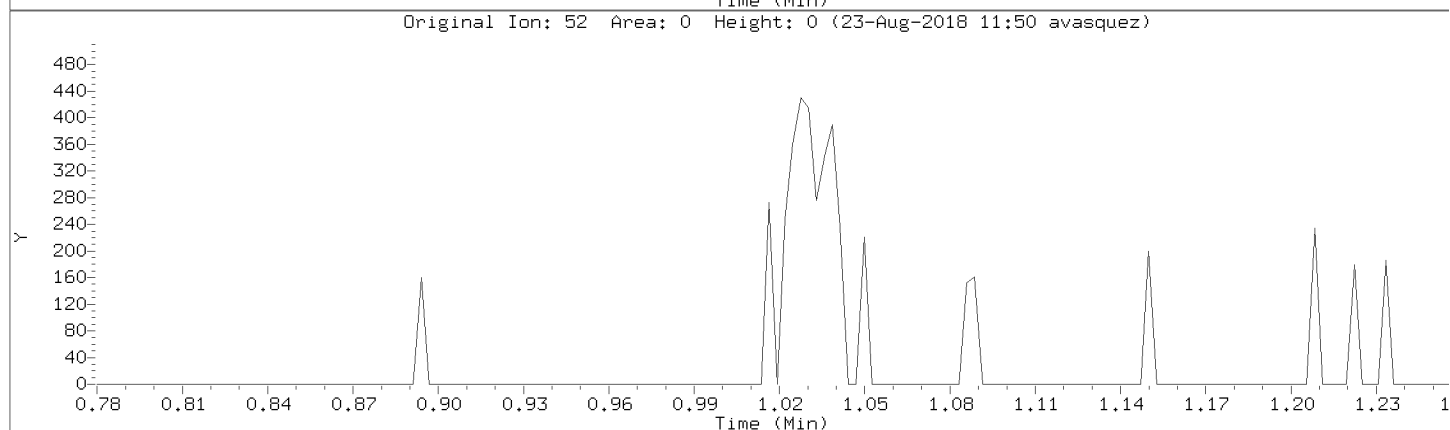
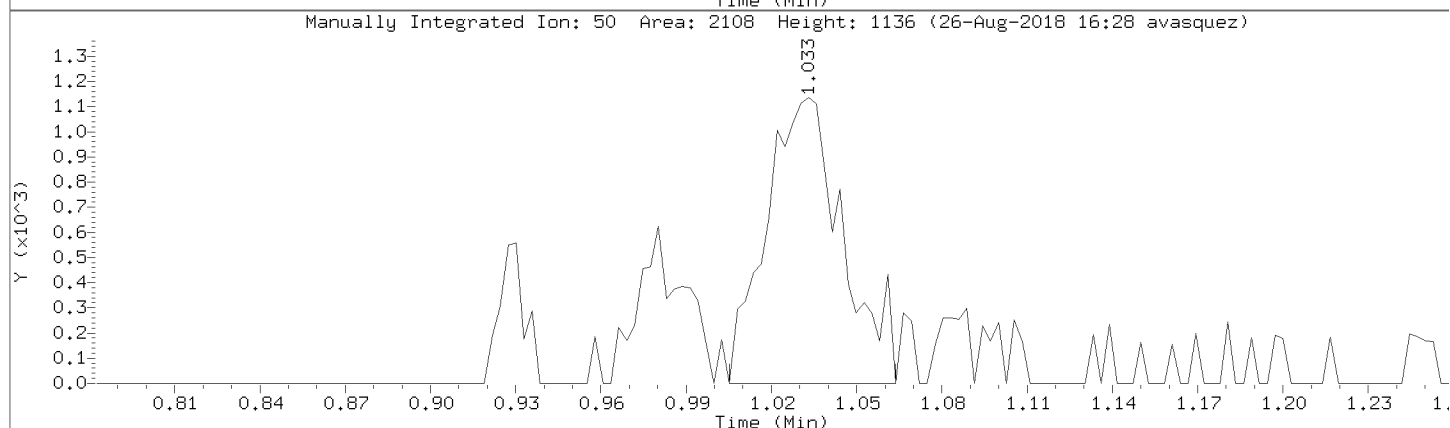
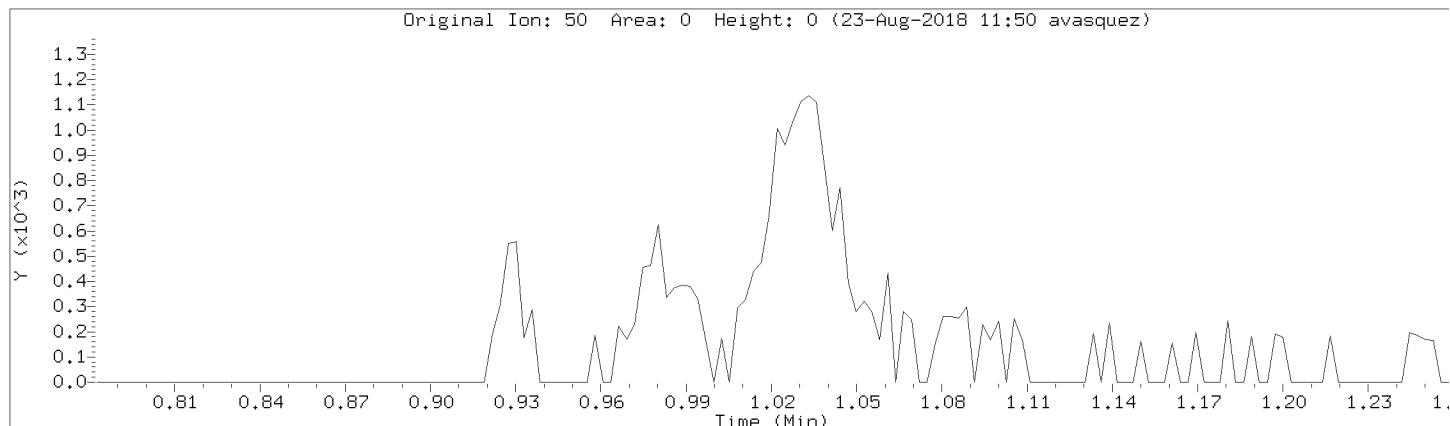


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



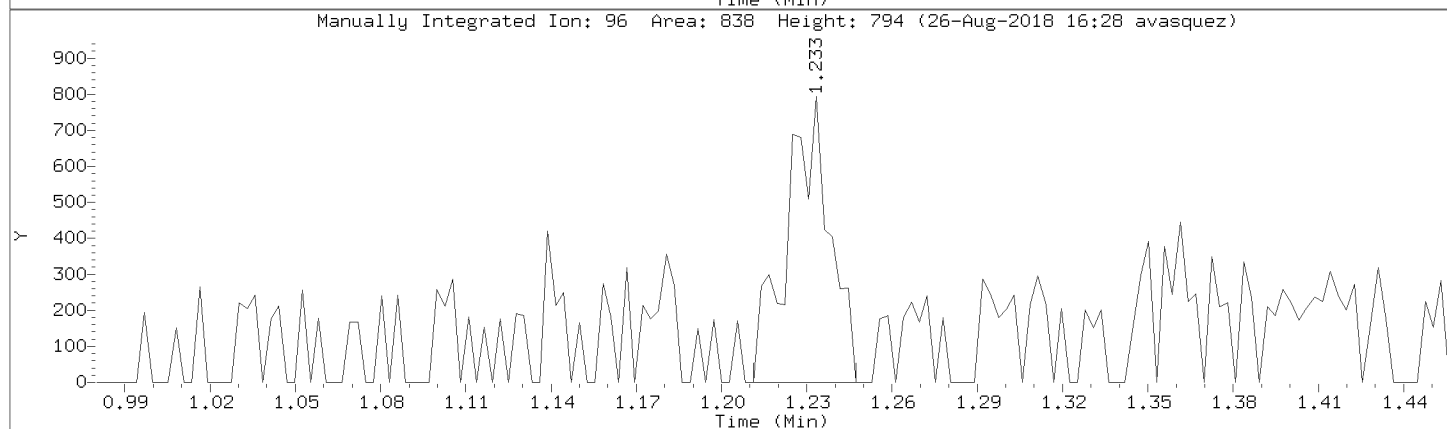
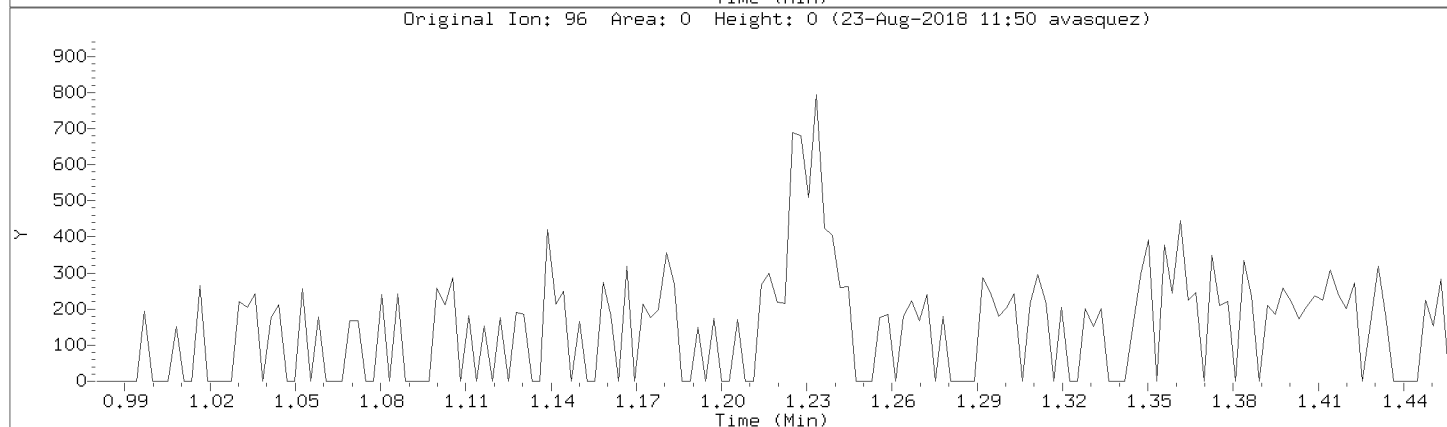
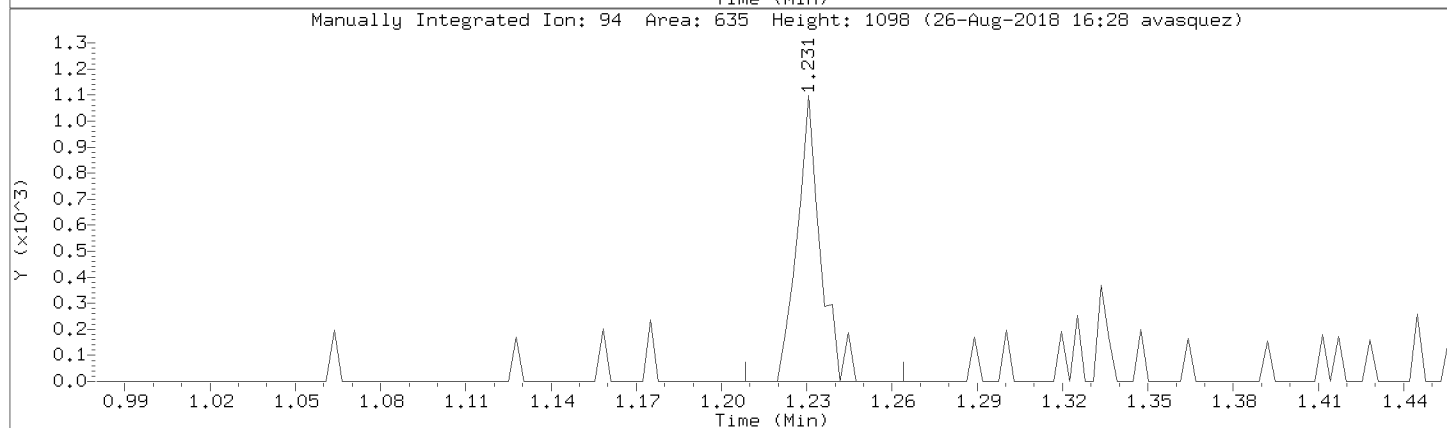
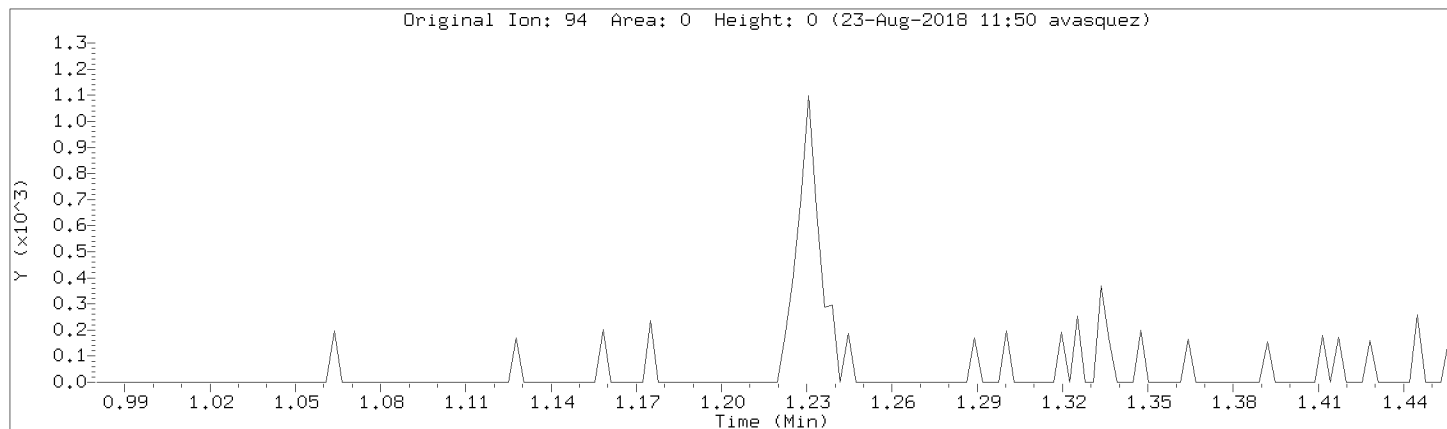
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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: Chloromethane Review Code:
CAS Number: 74-87-3



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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: Bromomethane Review Code: NI
CAS Number: 74-83-9



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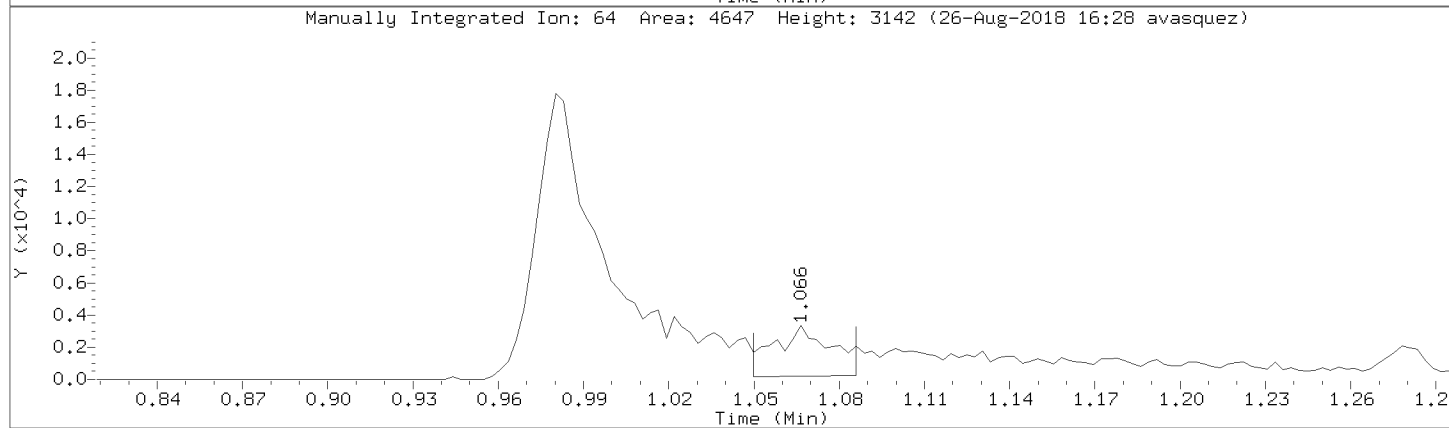
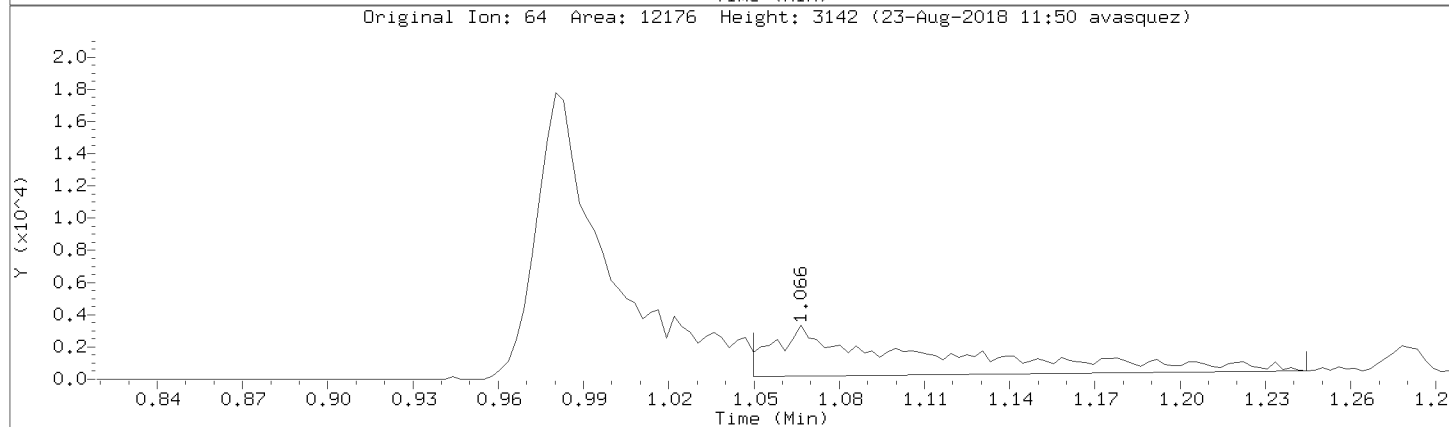
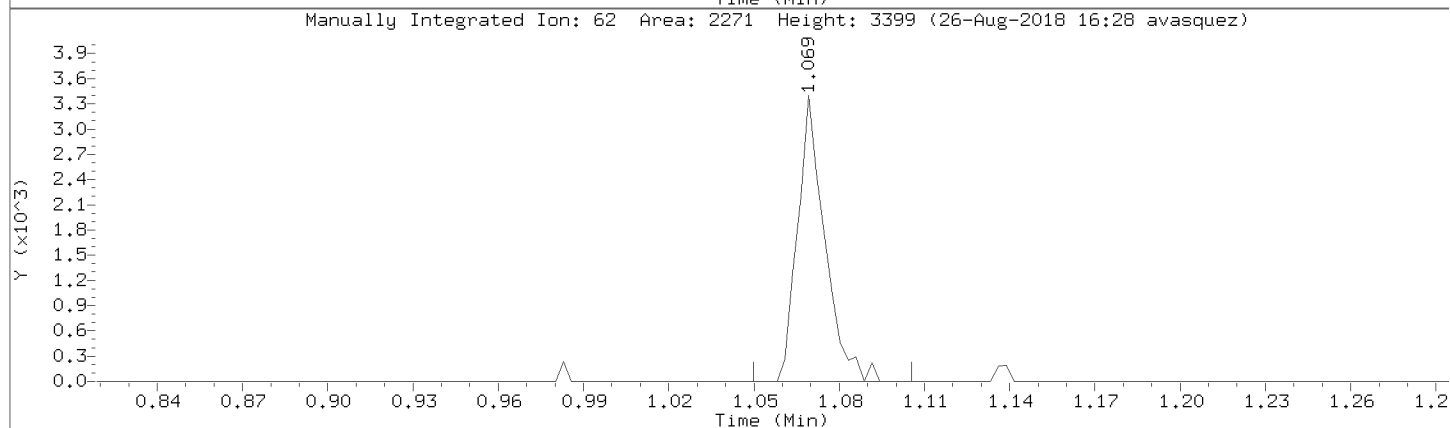
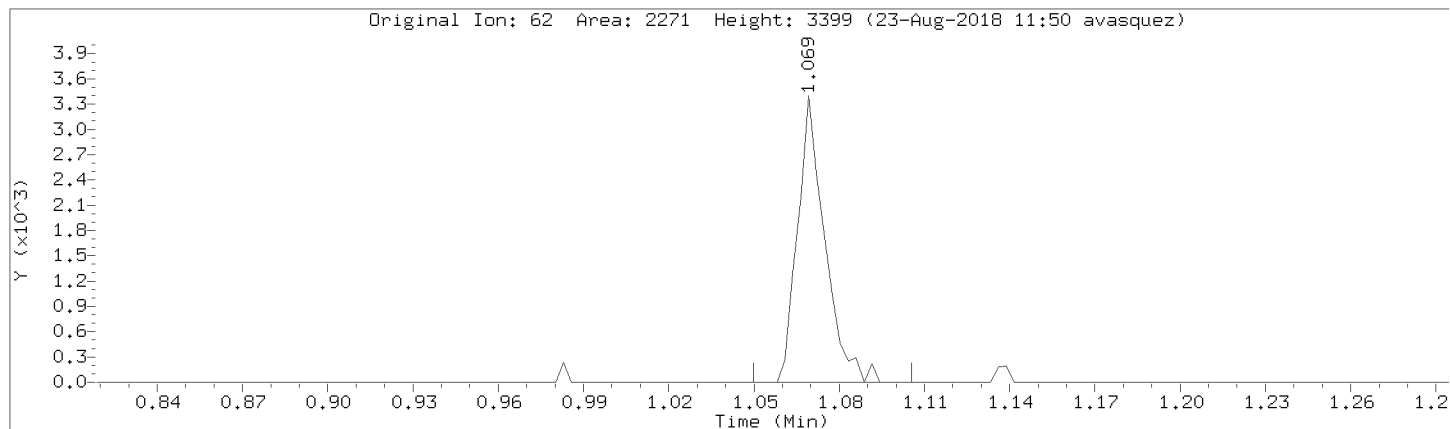
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: Vinyl Chloride

Review Code: GT

CAS Number: 75-01-4



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Injection Date: 22-AUG-2018 14:52

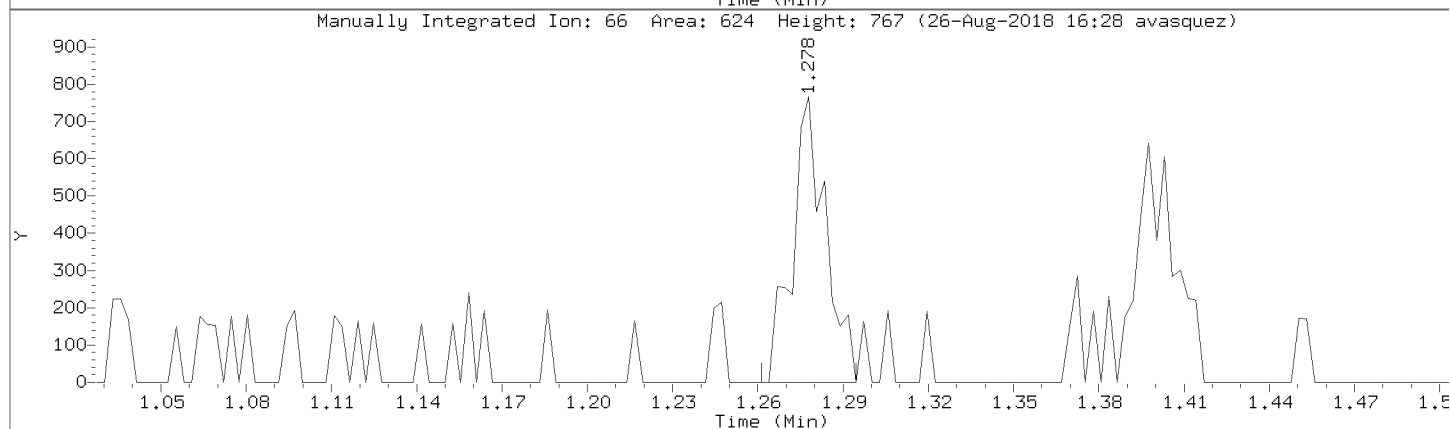
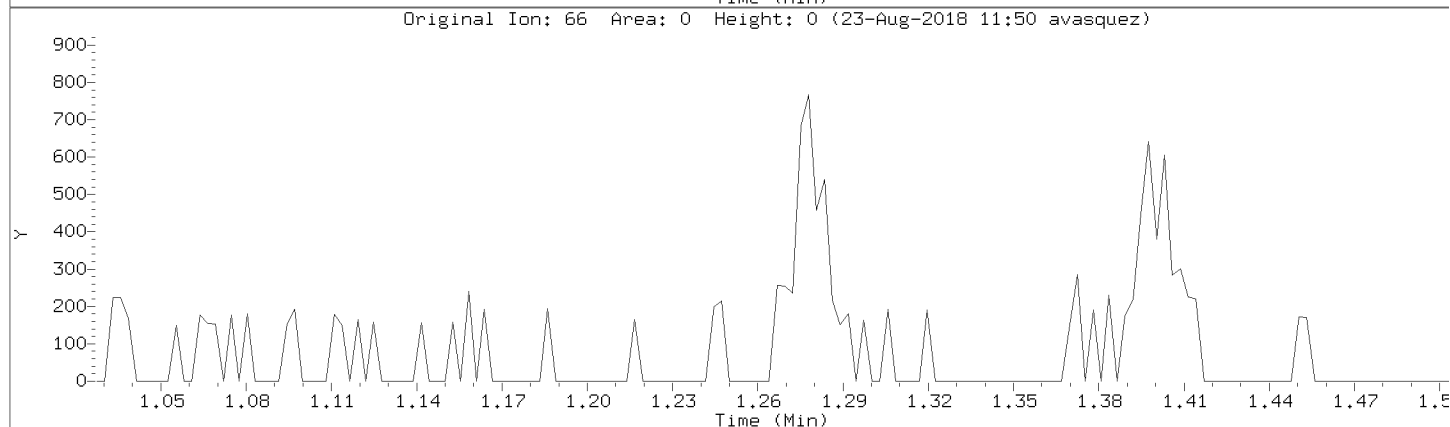
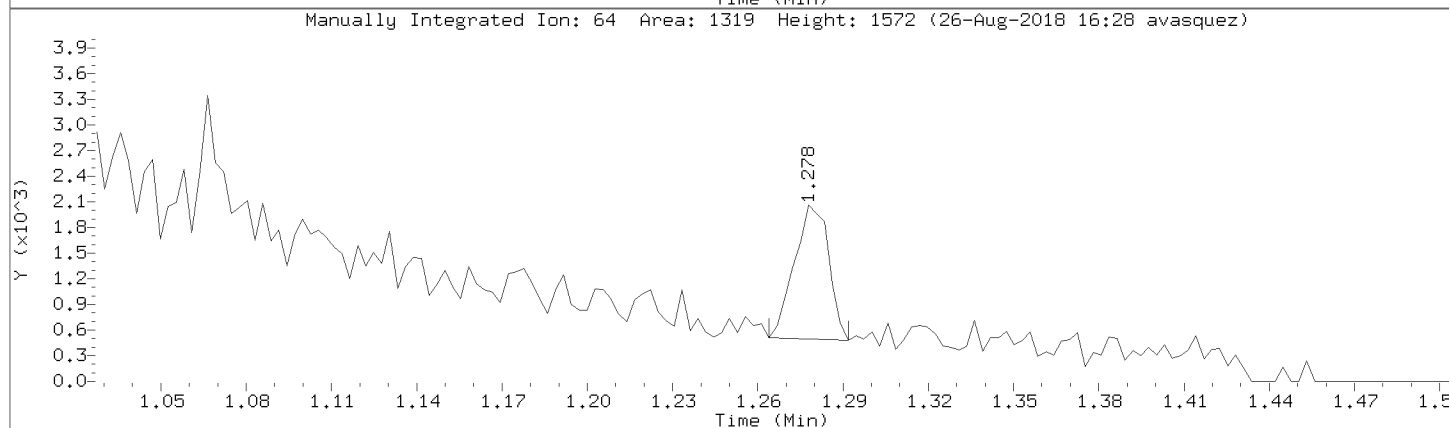
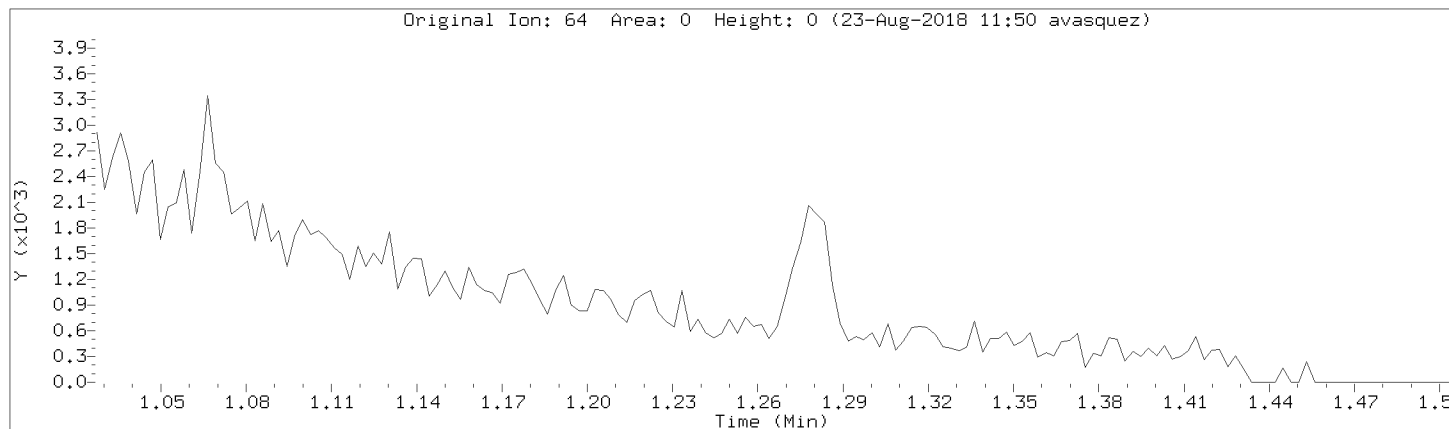
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: Chloroethane

Review Code: NI

CAS Number: 75-00-3



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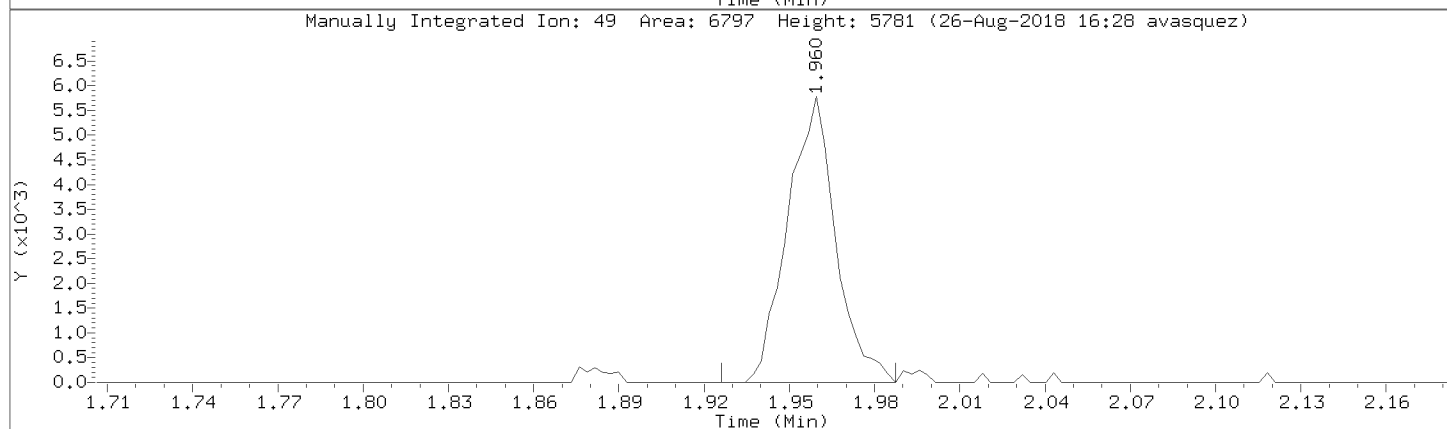
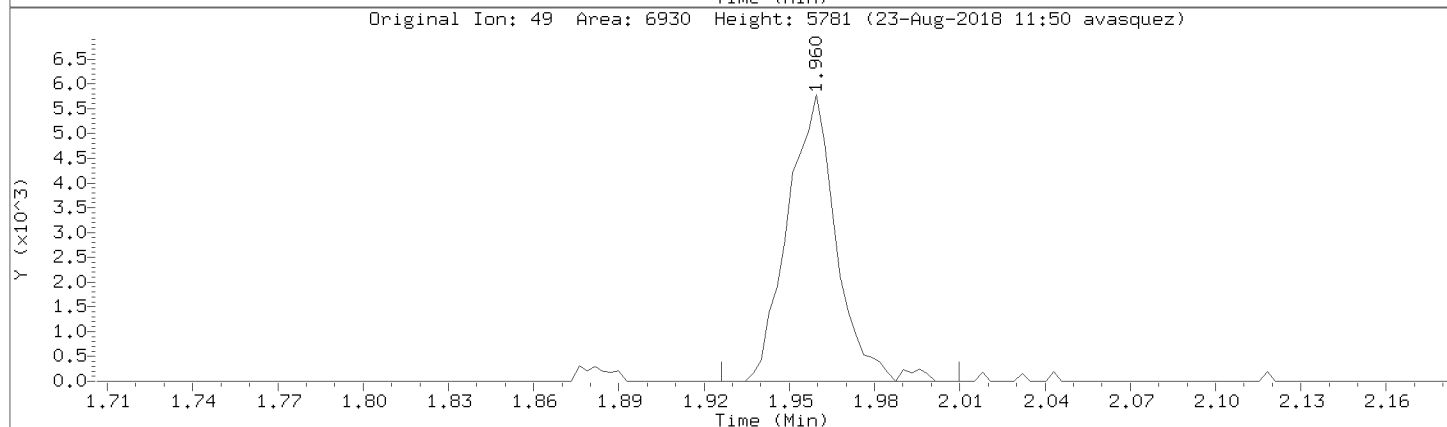
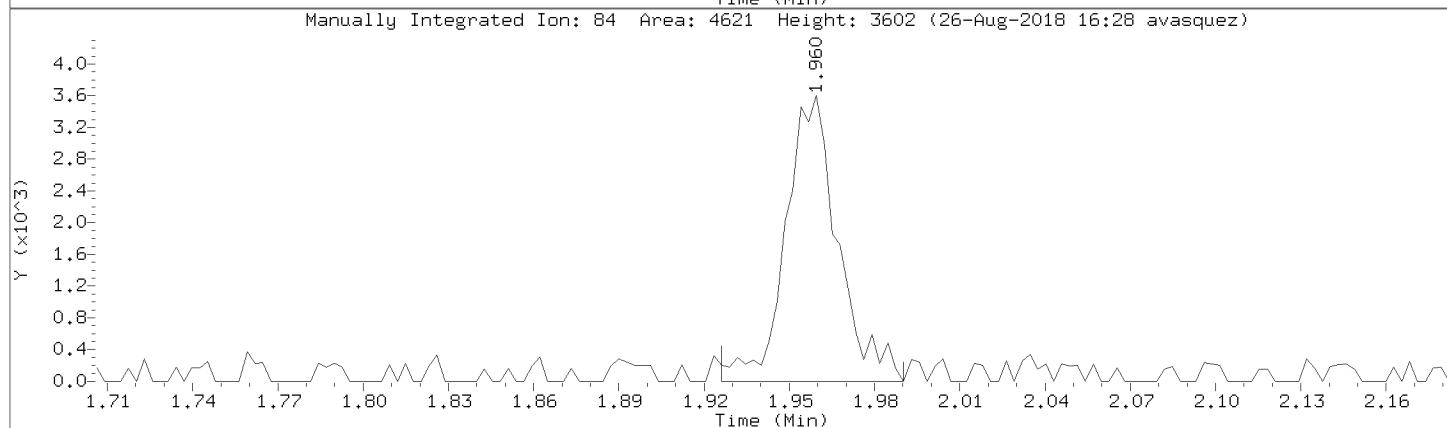
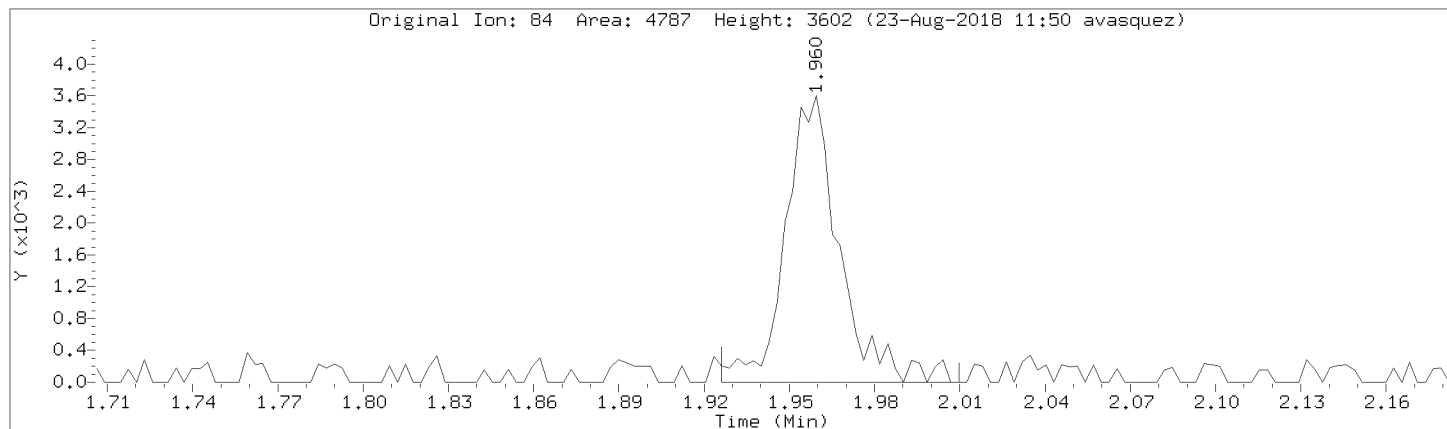
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Lab Sample ID: 8260-CAL2

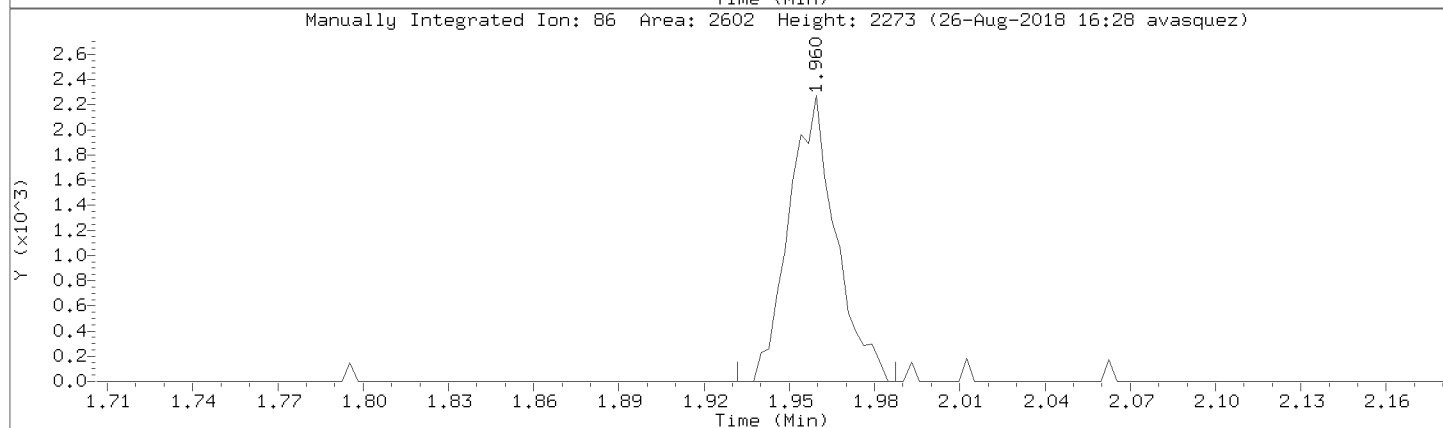
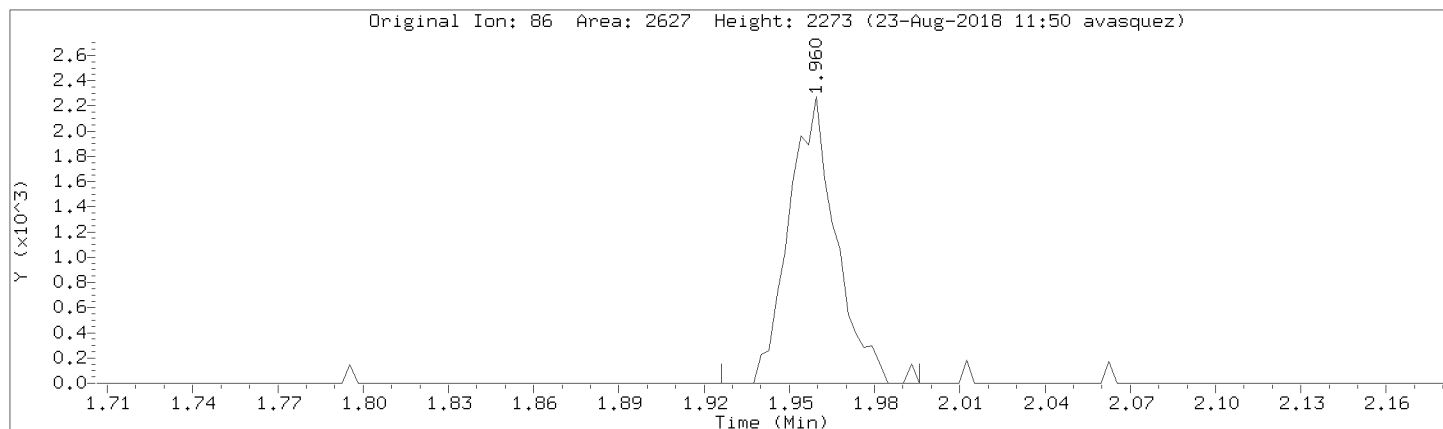
Compound: Methylene Chloride

Review Code:

CAS Number: 75-09-2



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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 22-AUG-2018 14:52

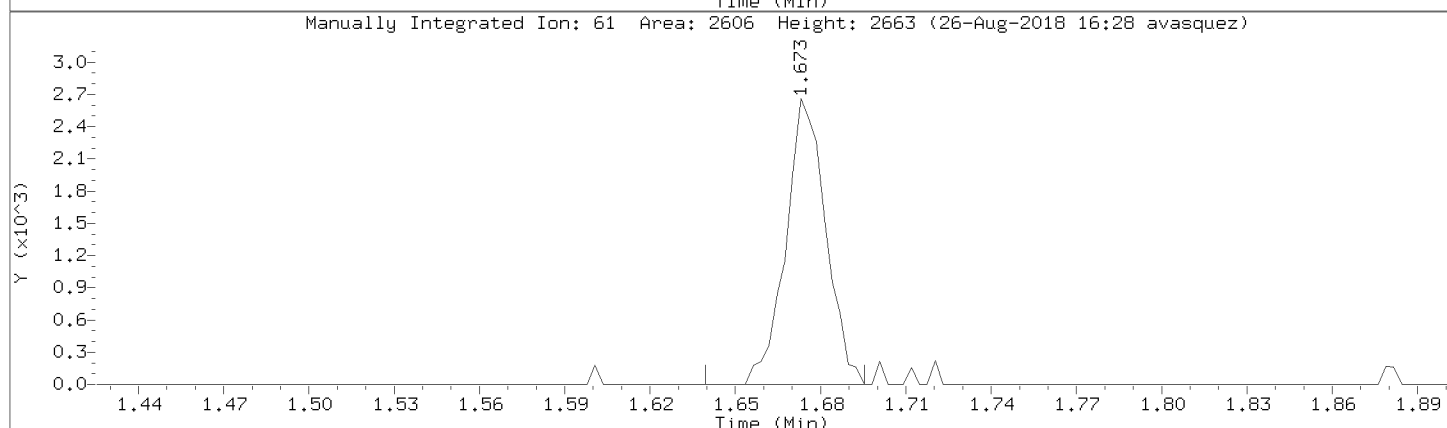
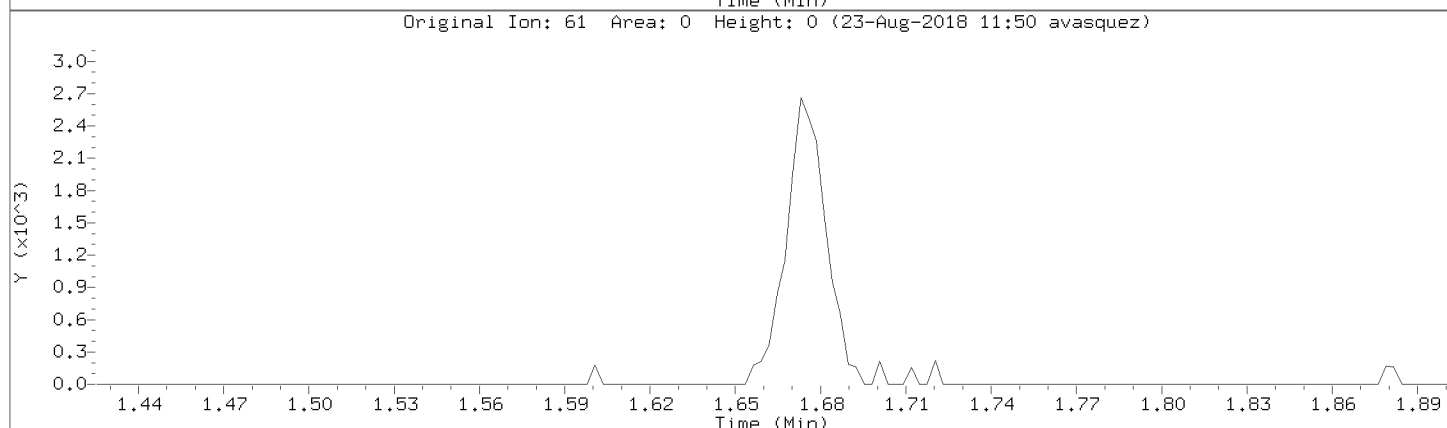
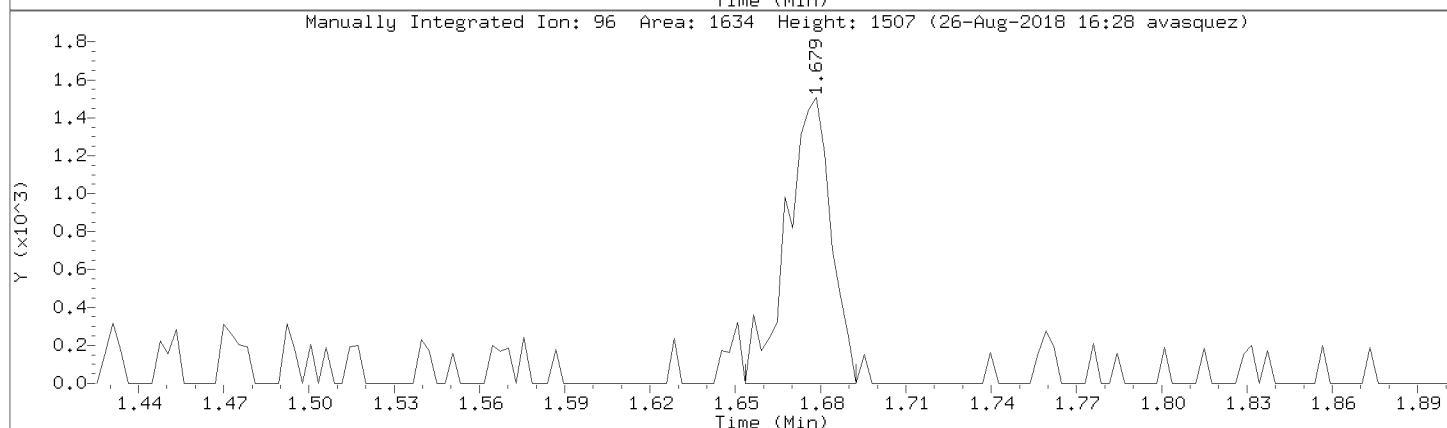
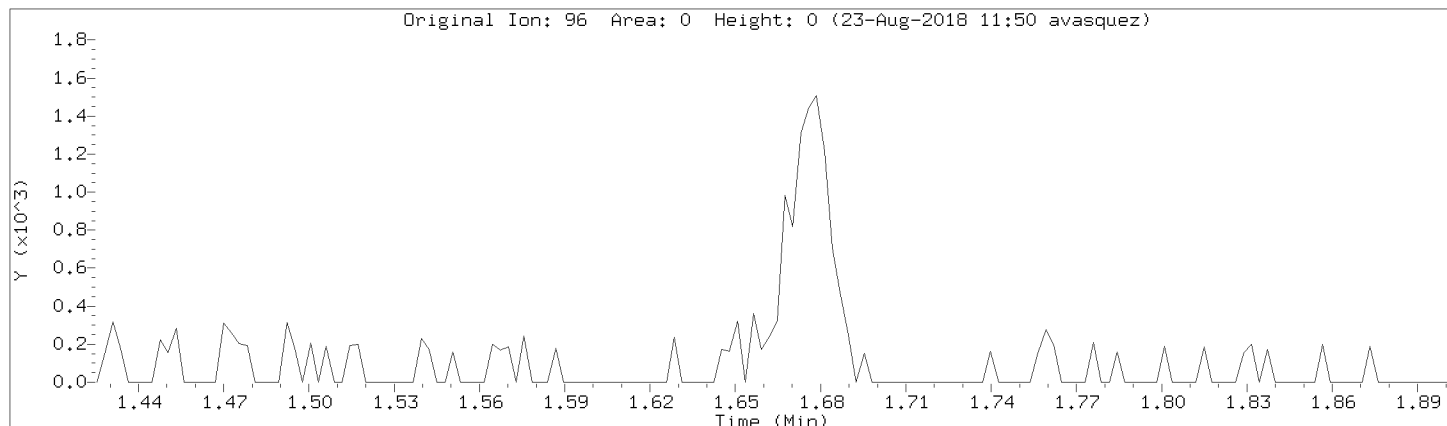
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

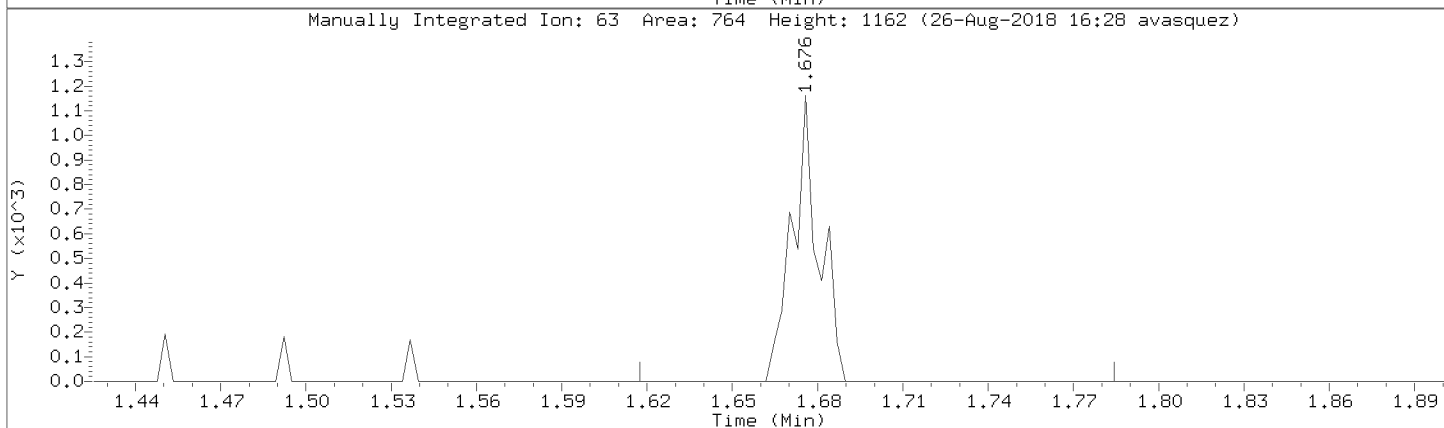
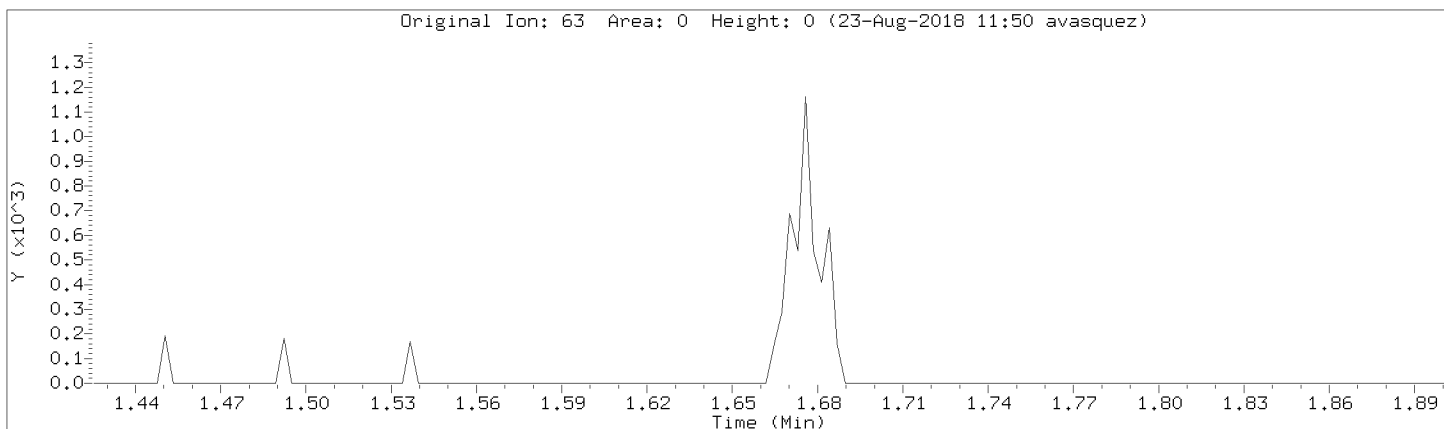
Compound: 1,1-Dichloroethene

Review Code: NI

CAS Number: 75-35-4



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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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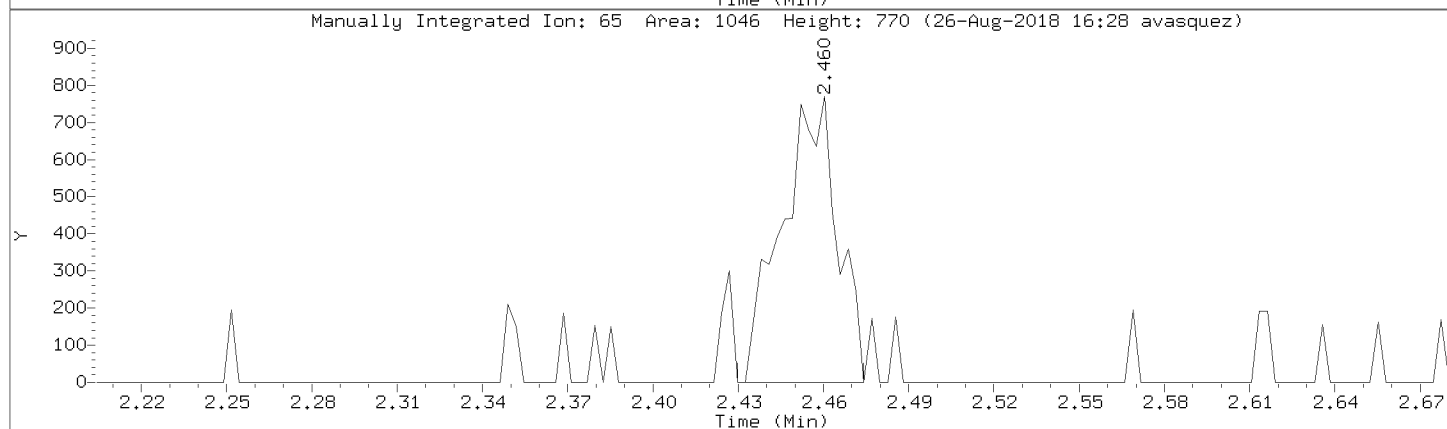
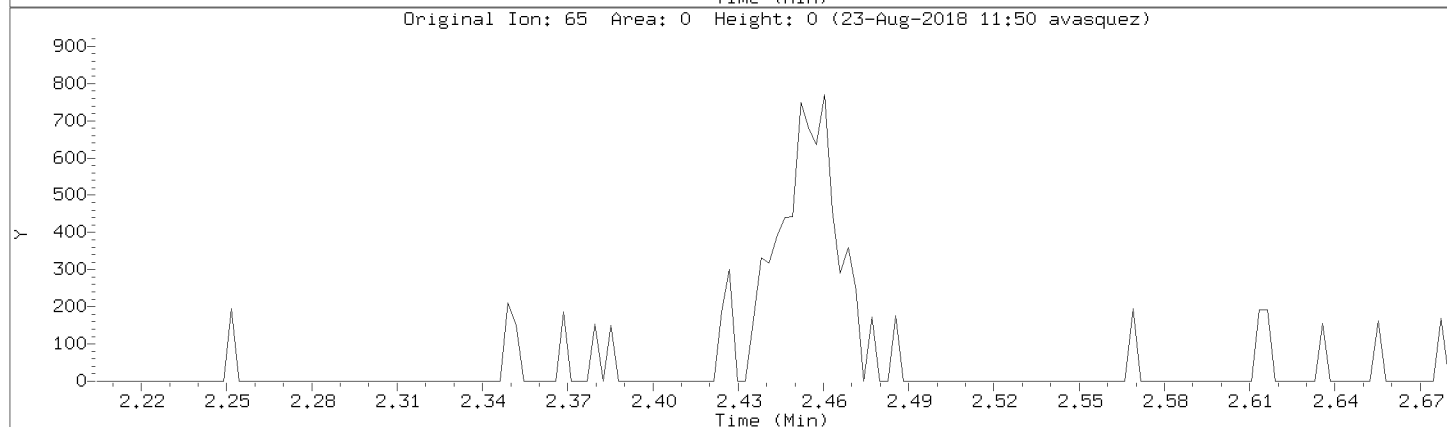
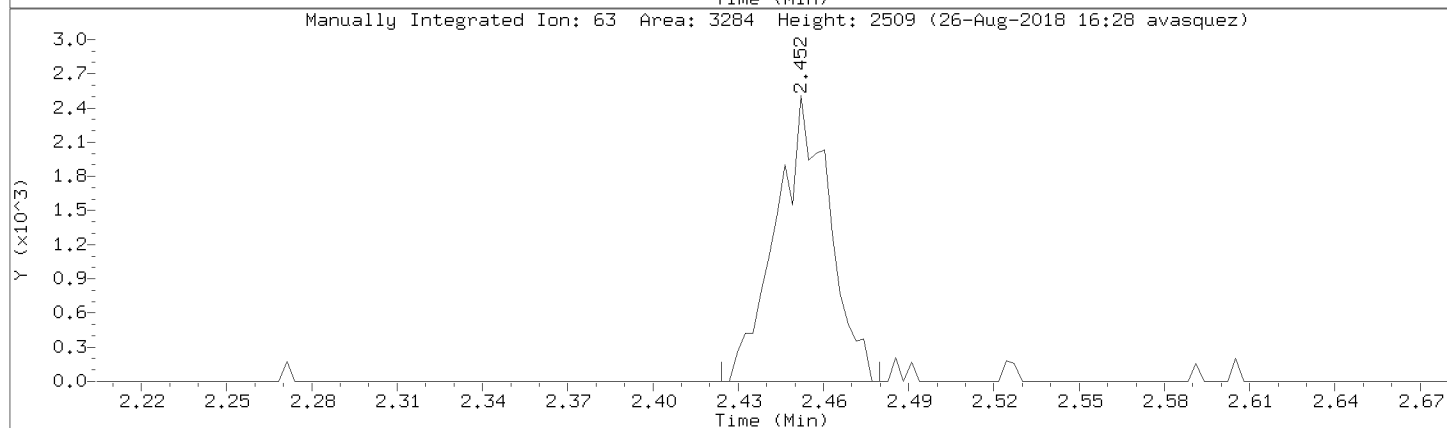
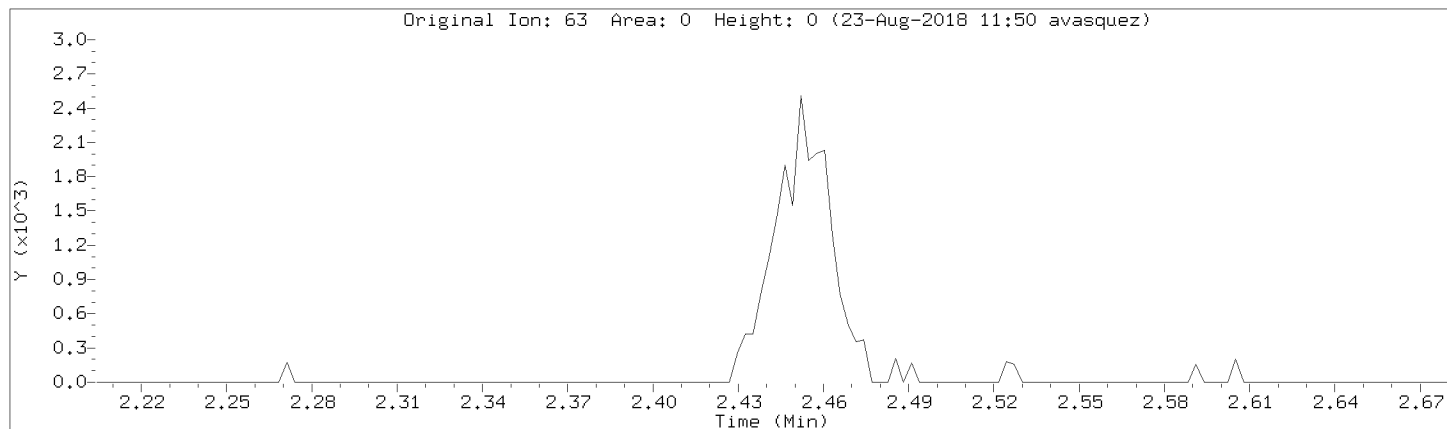
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

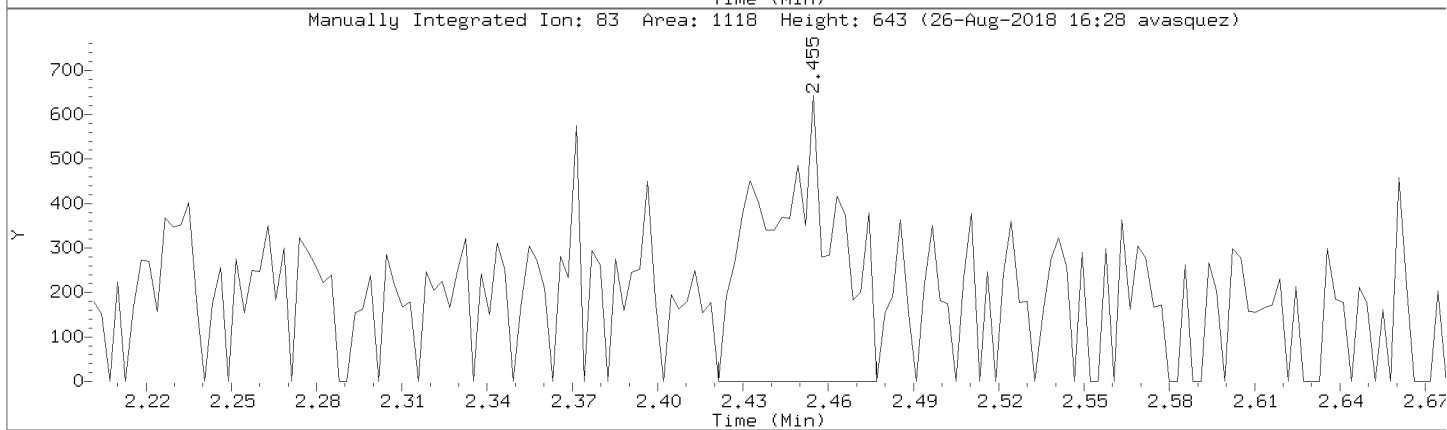
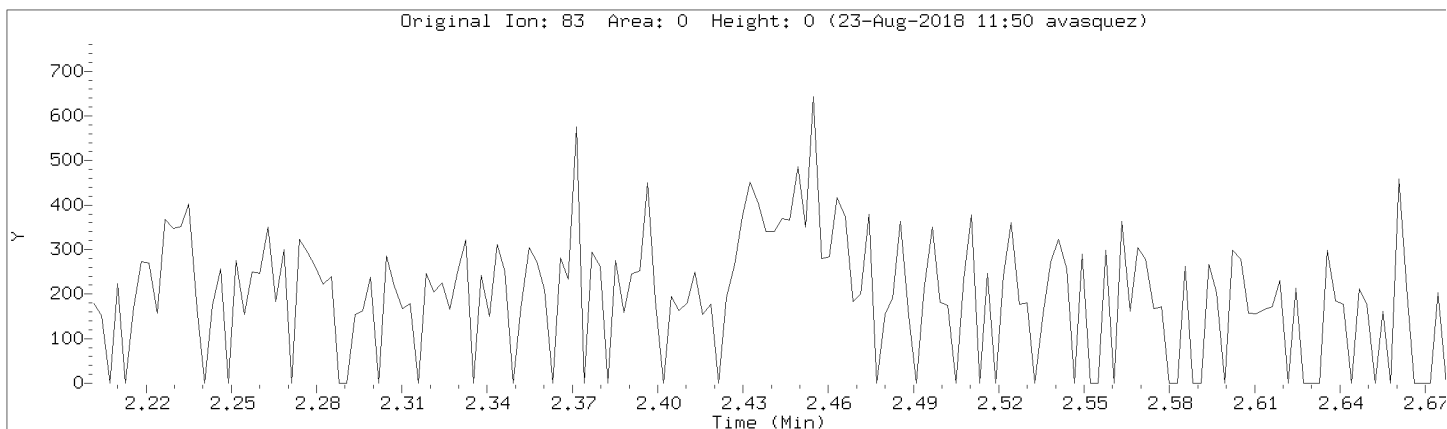
Compound: 1,1-Dichloroethane

Review Code: NI

CAS Number: 75-34-3



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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 22-AUG-2018 14:52

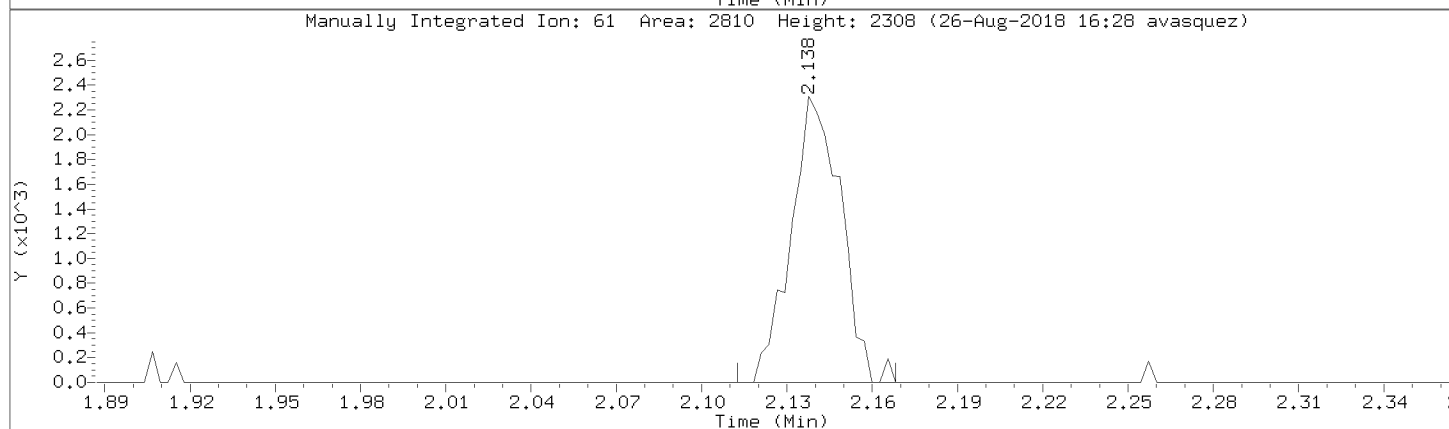
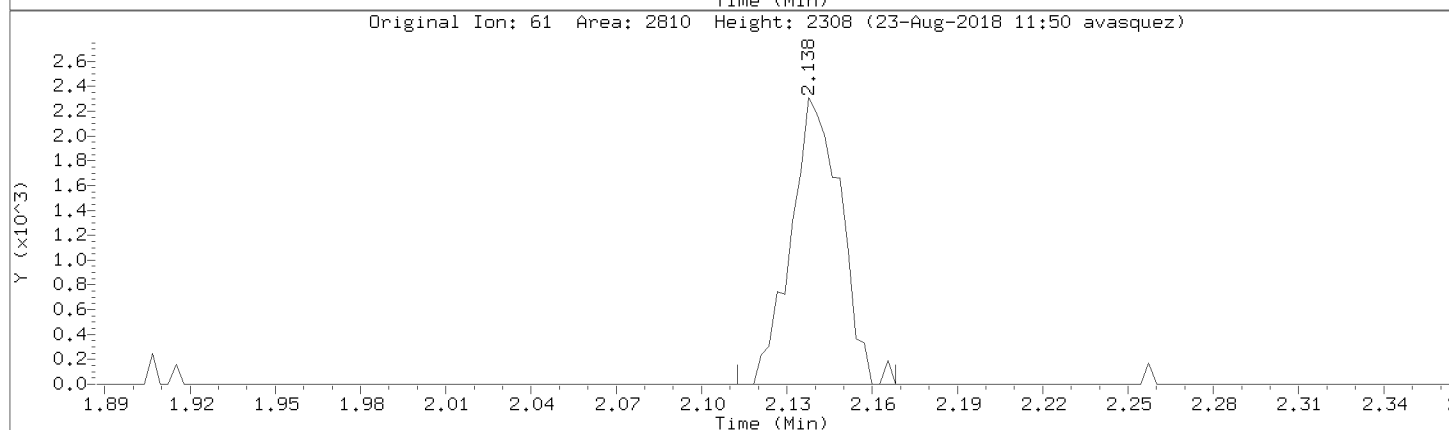
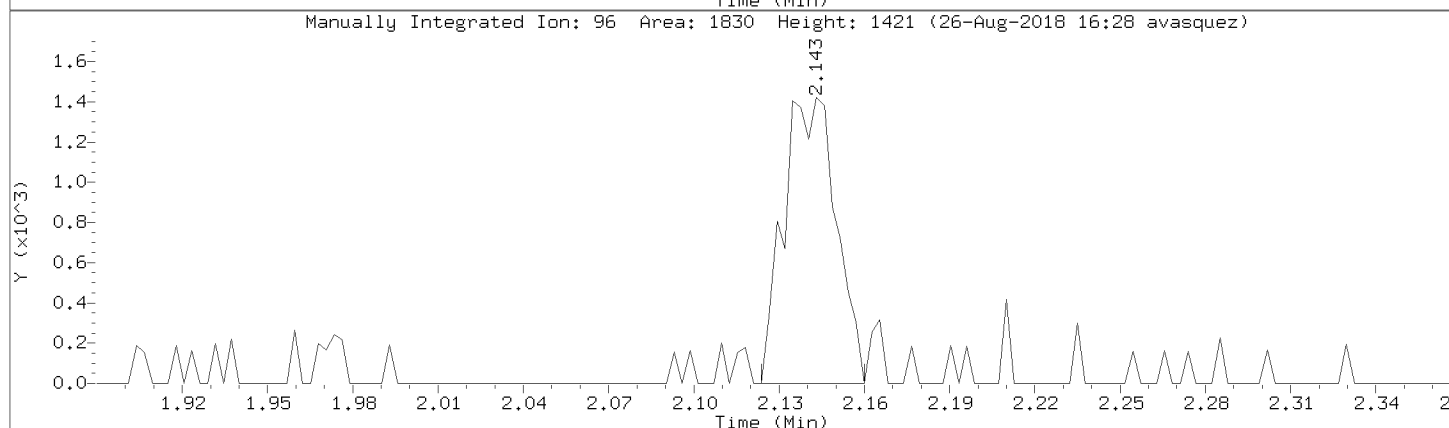
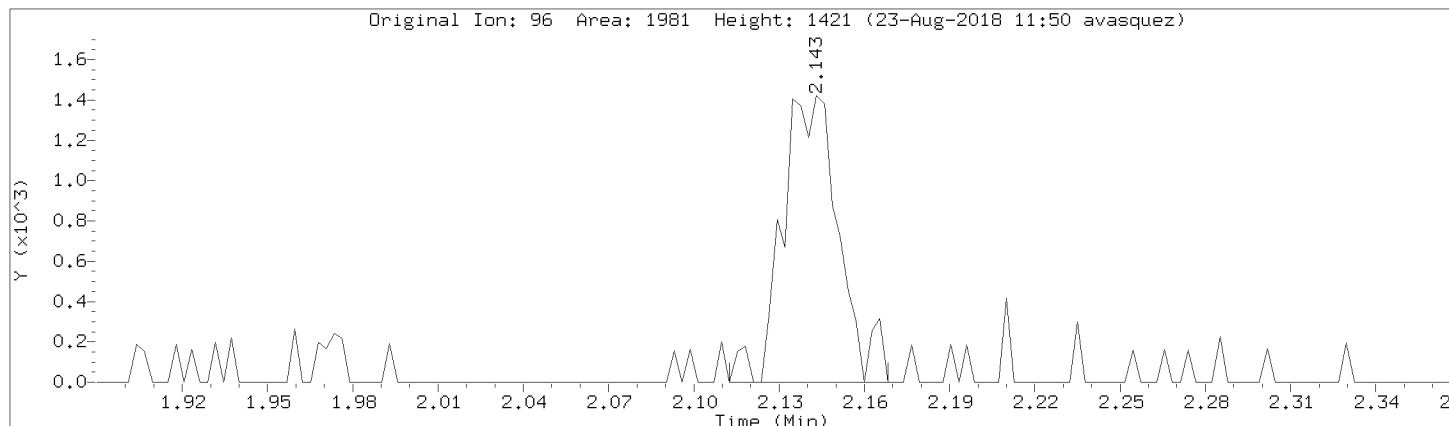
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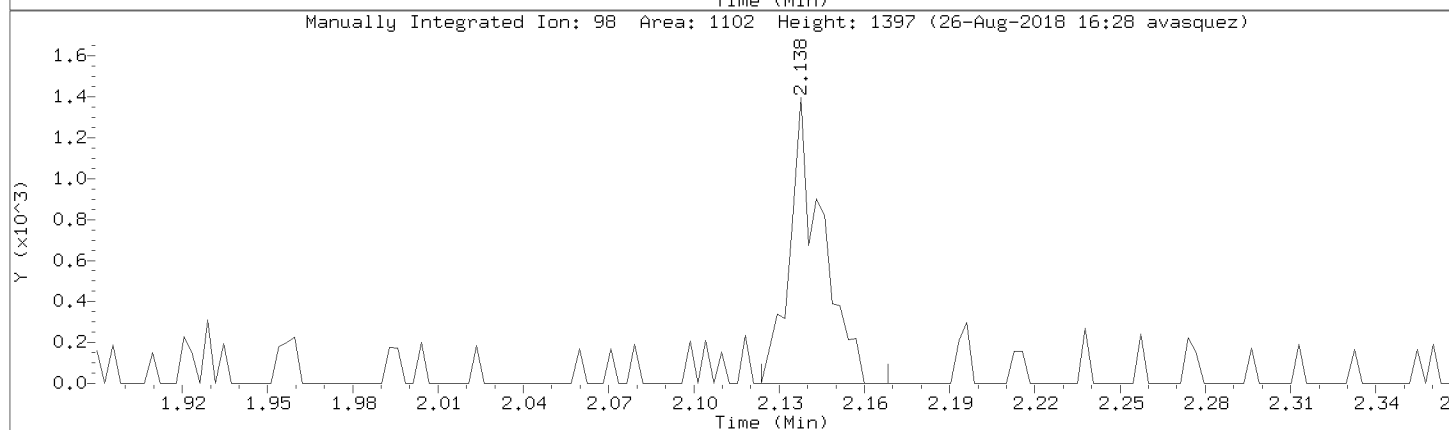
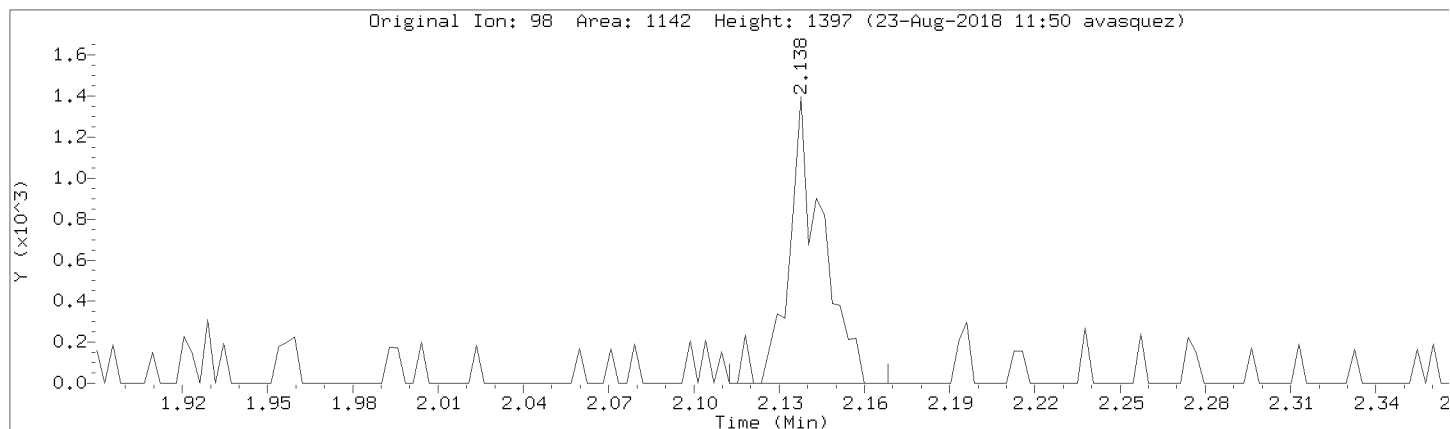
Compound: 1,2-Dichloroethene (trans)

Review Code: LT

CAS Number: 156-60-5

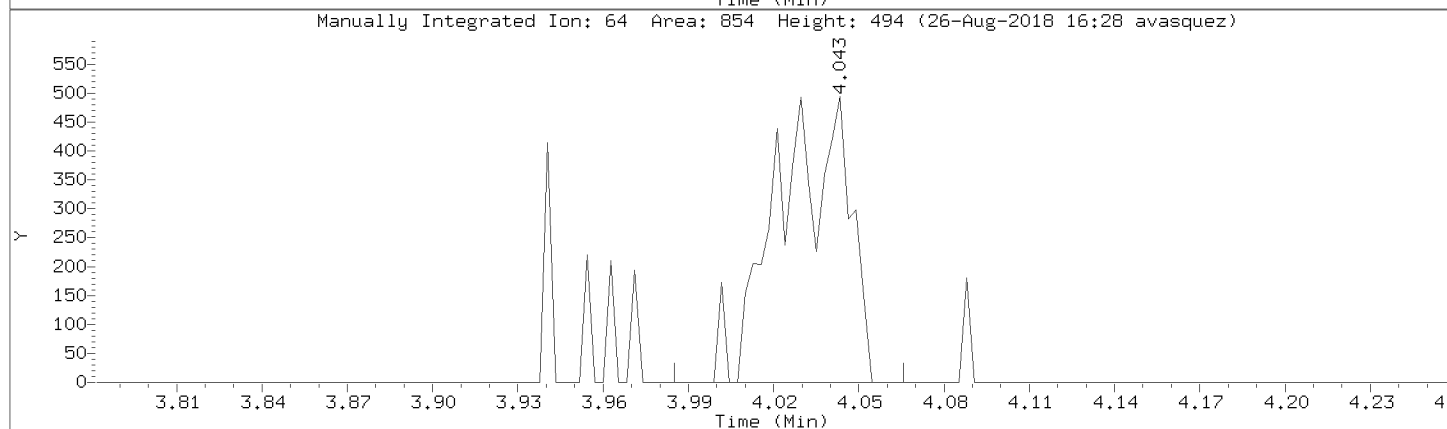
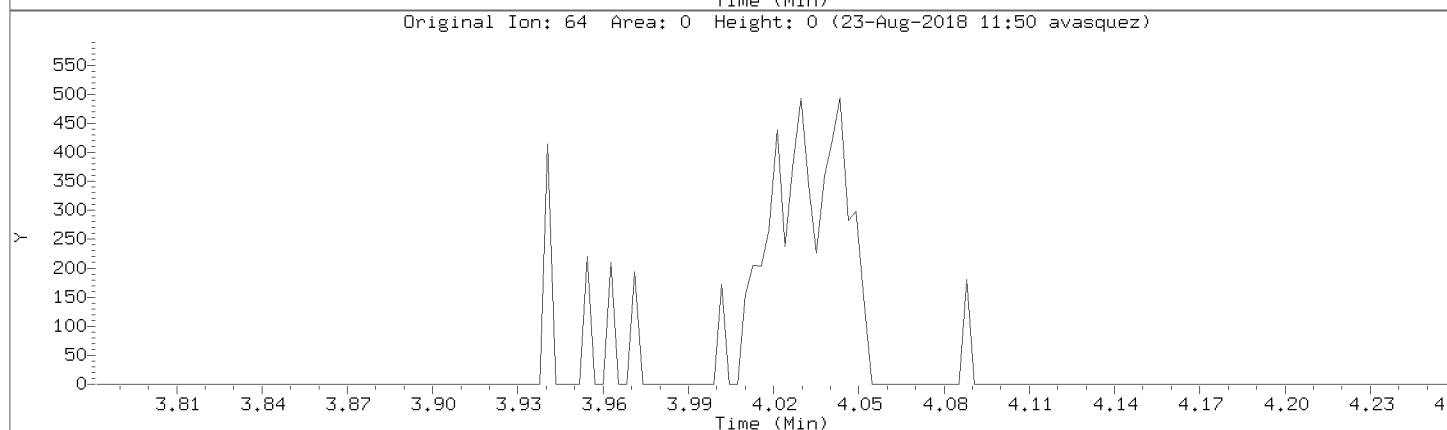
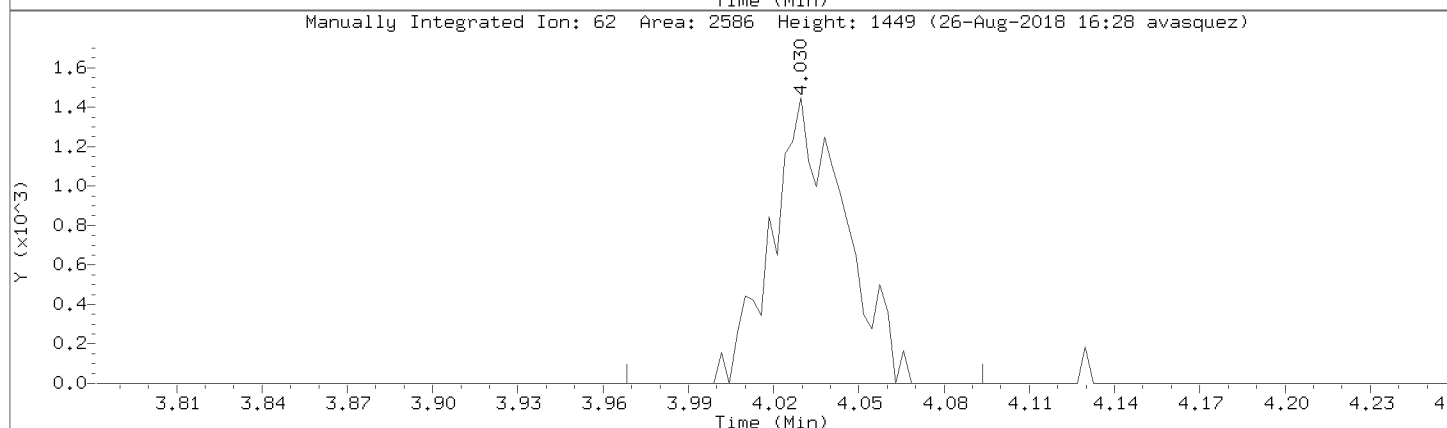
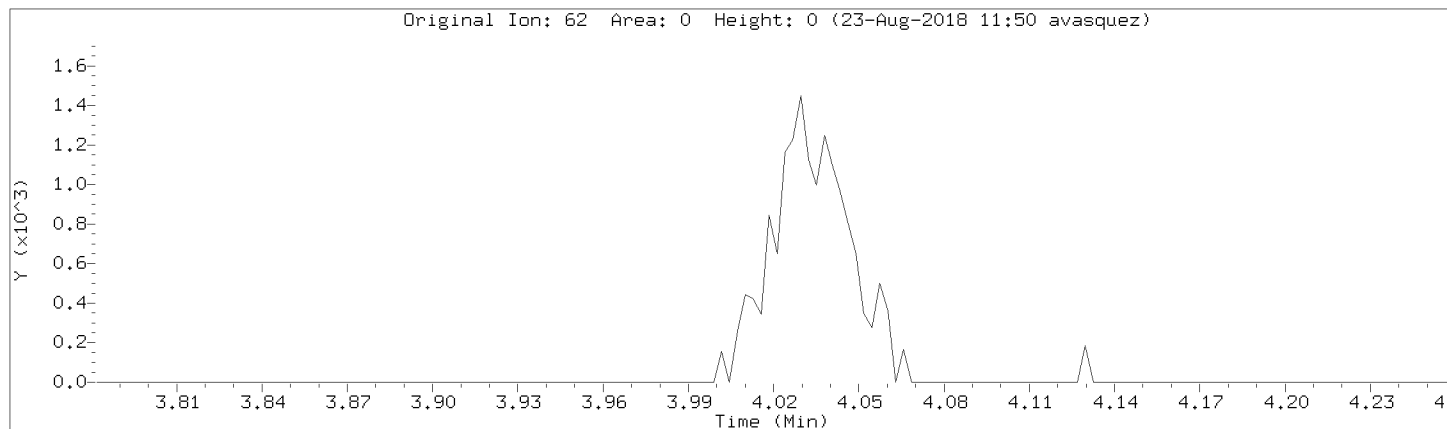


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

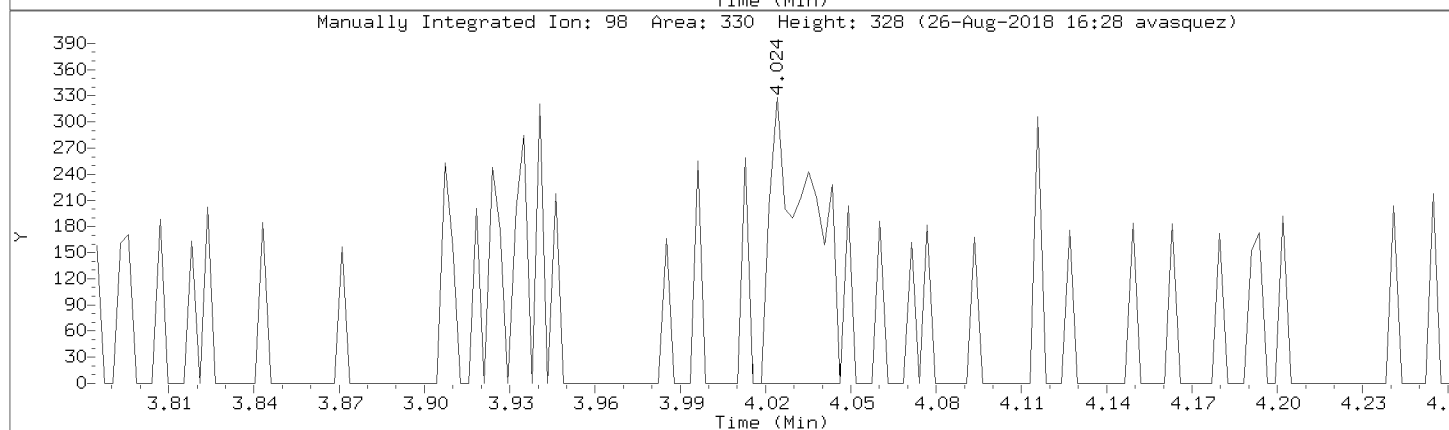
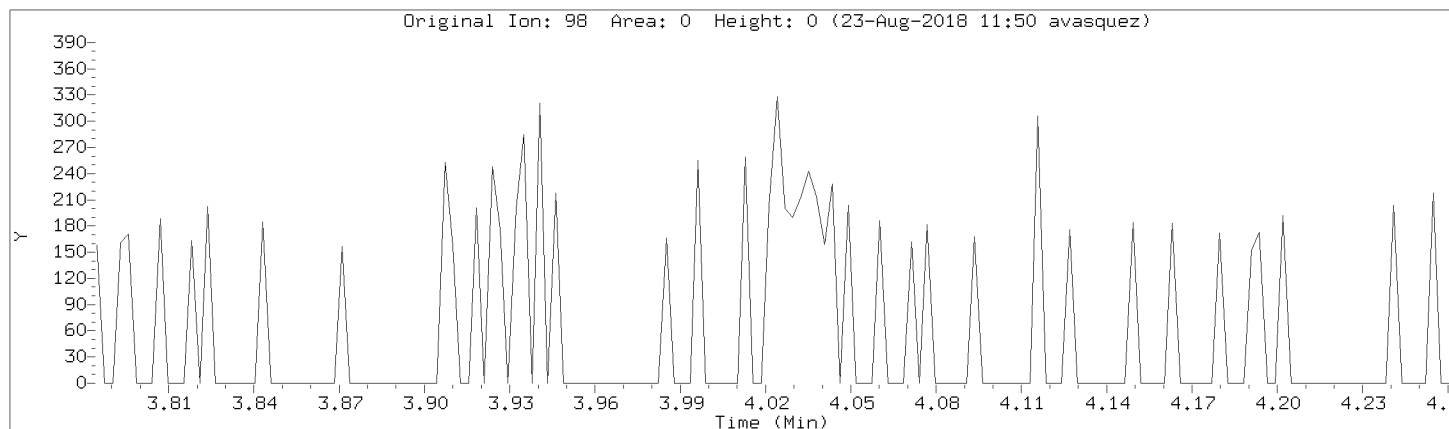


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: 1,2-Dichloroethane Review Code: NI
CAS Number: 107-06-2



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\03cal.d

Injection Date: 22-AUG-2018 14:52

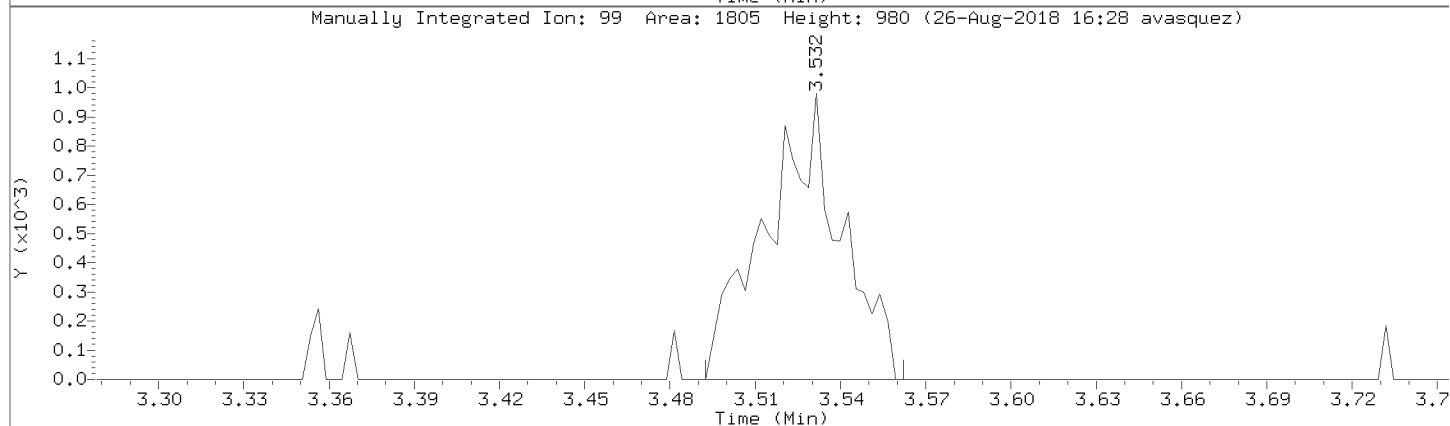
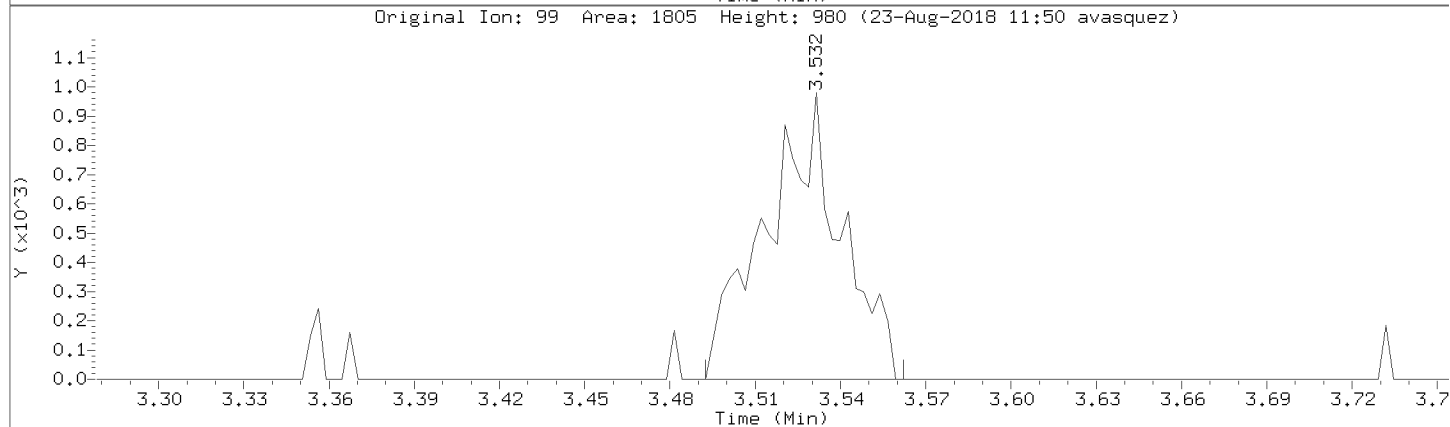
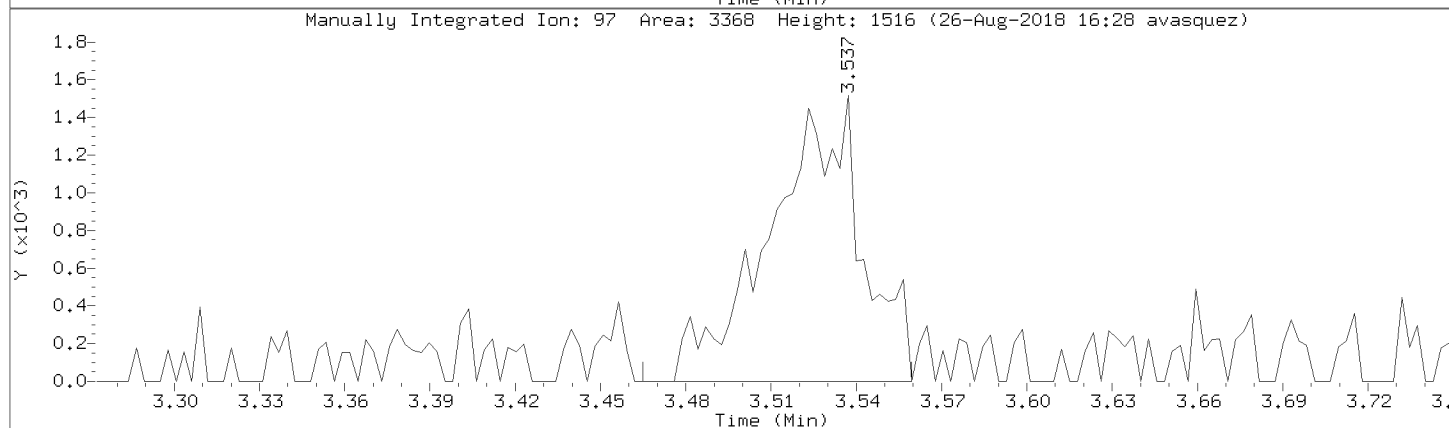
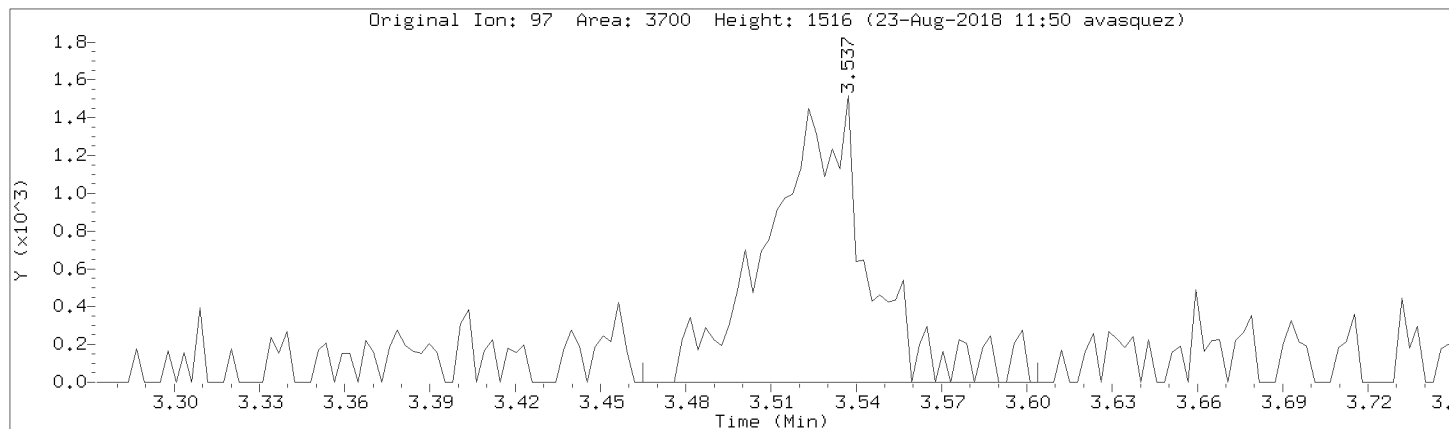
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

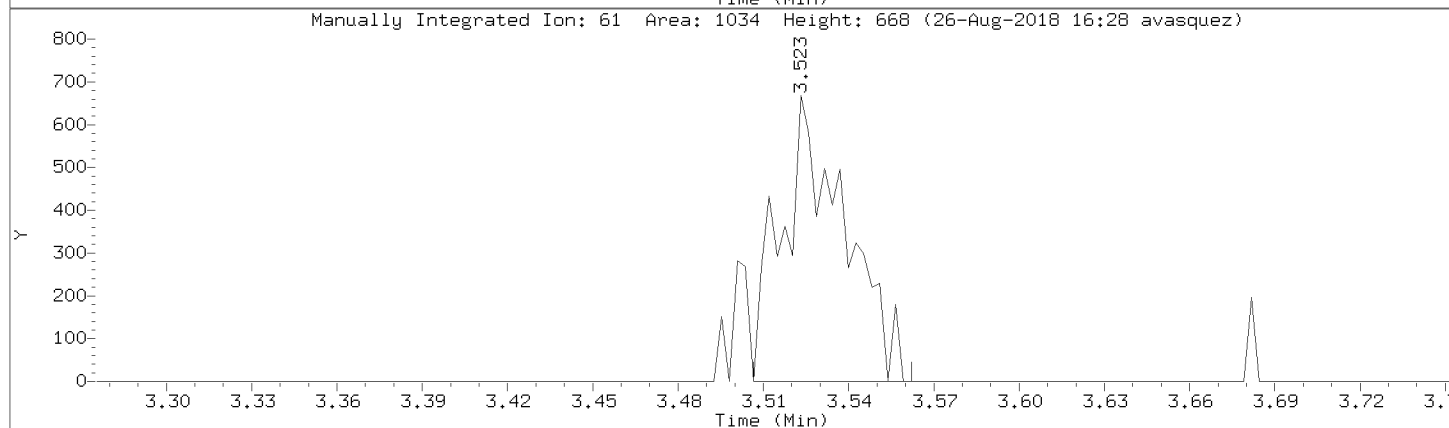
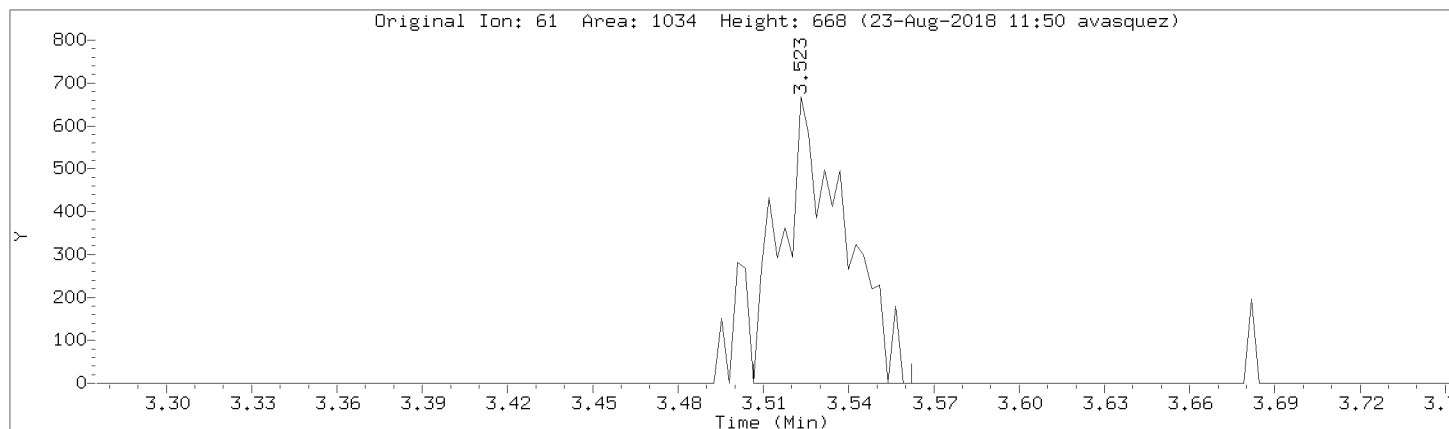
Compound: 1,1,1-Trichloroethane

Review Code: GT

CAS Number: 71-55-6

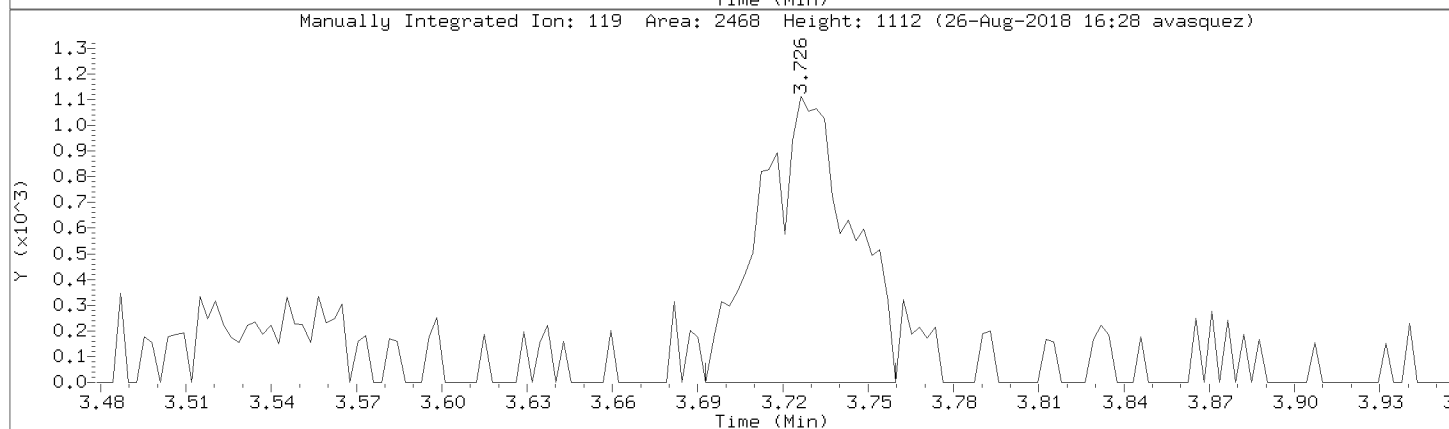
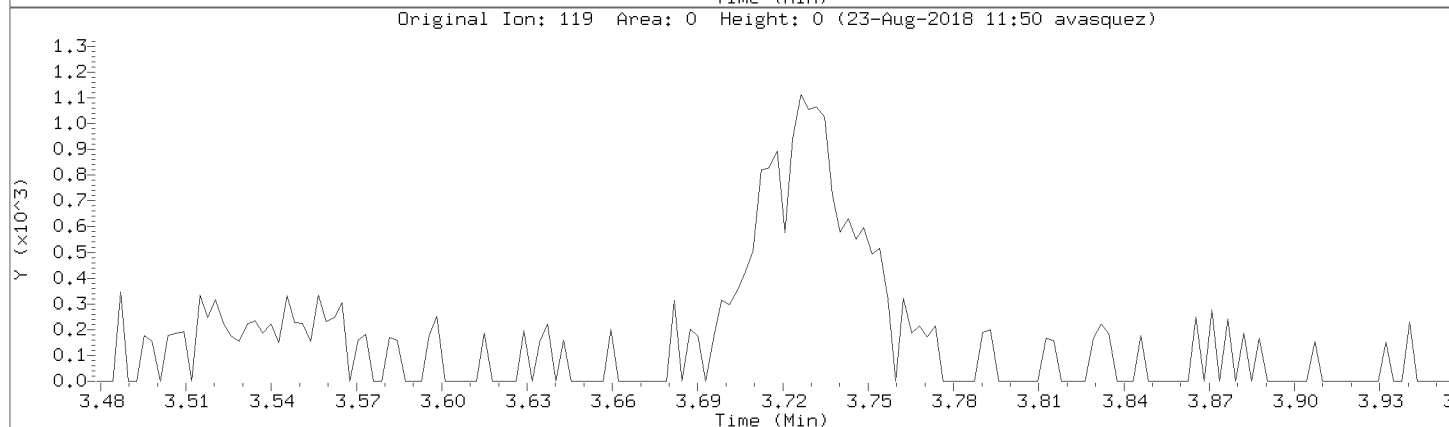
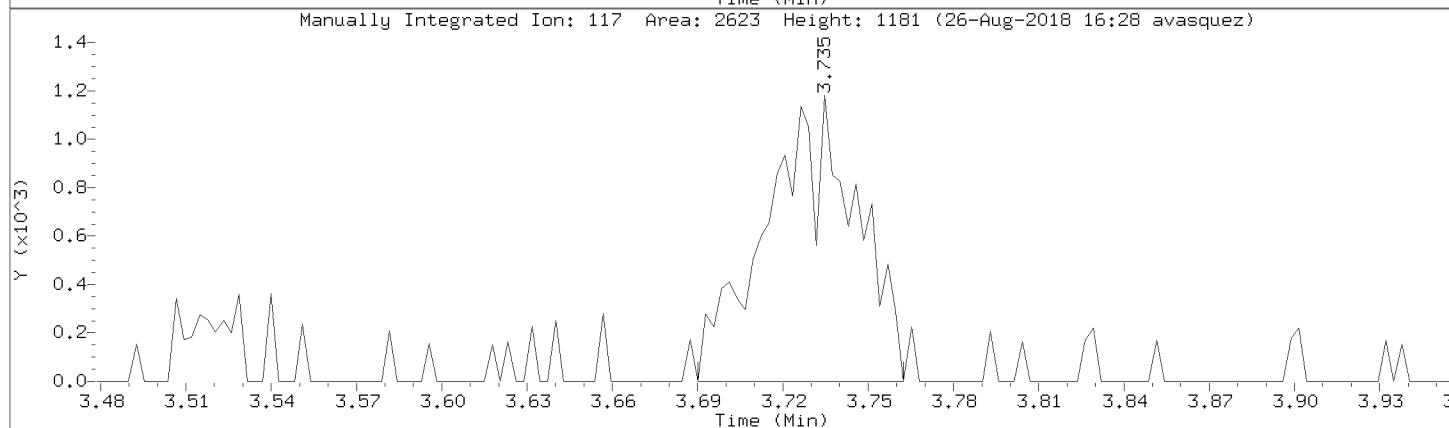
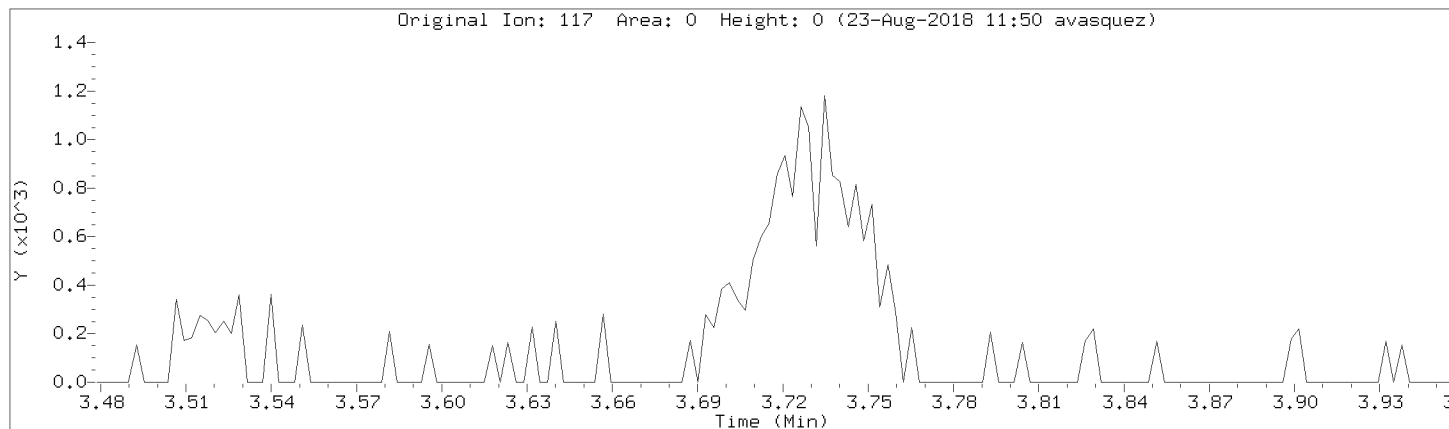


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

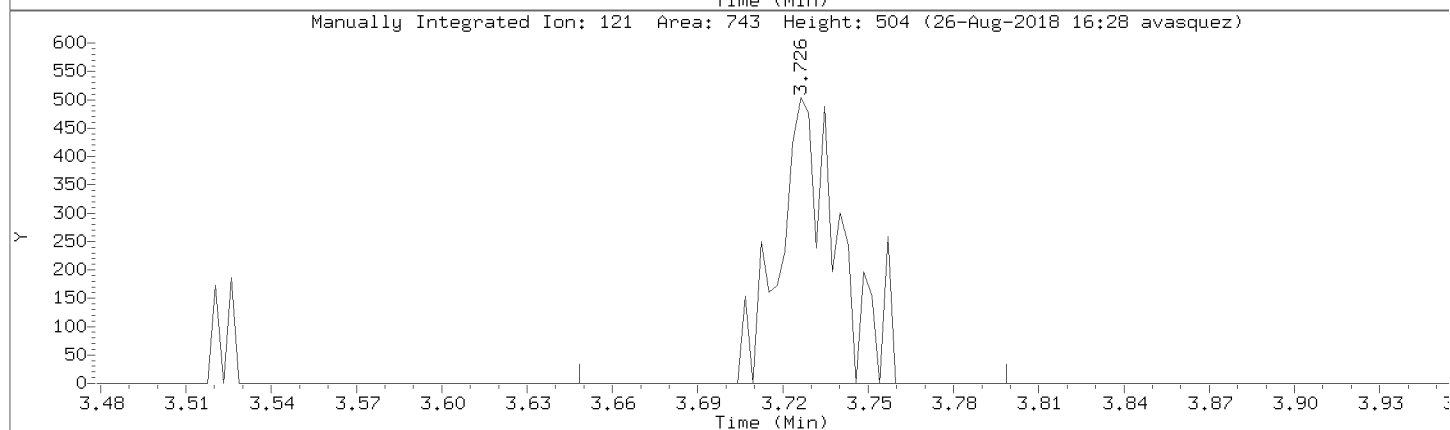
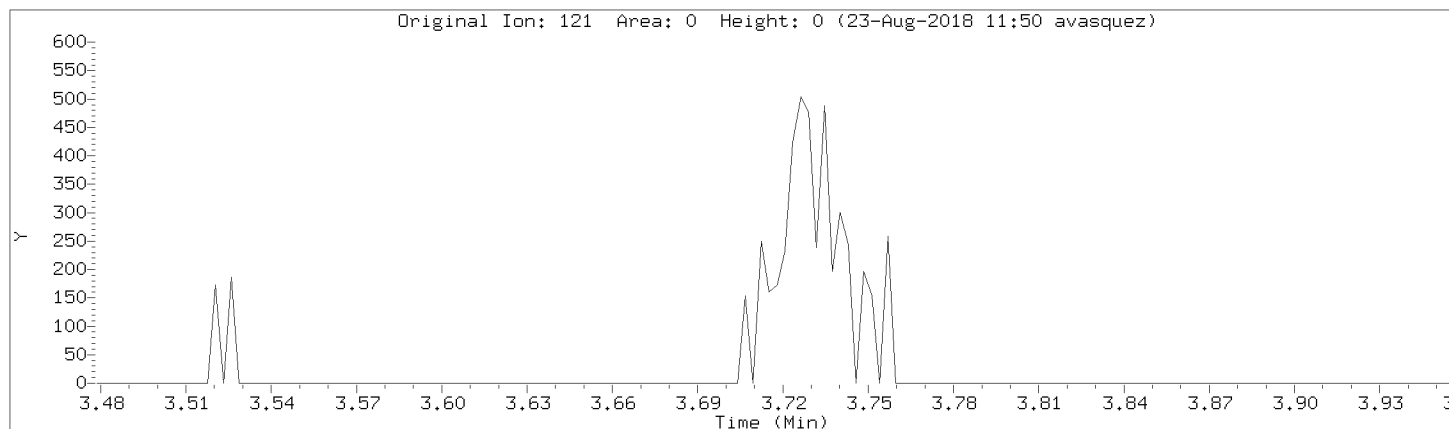


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: Carbon Tetrachloride Review Code: NI
CAS Number: 56-23-5

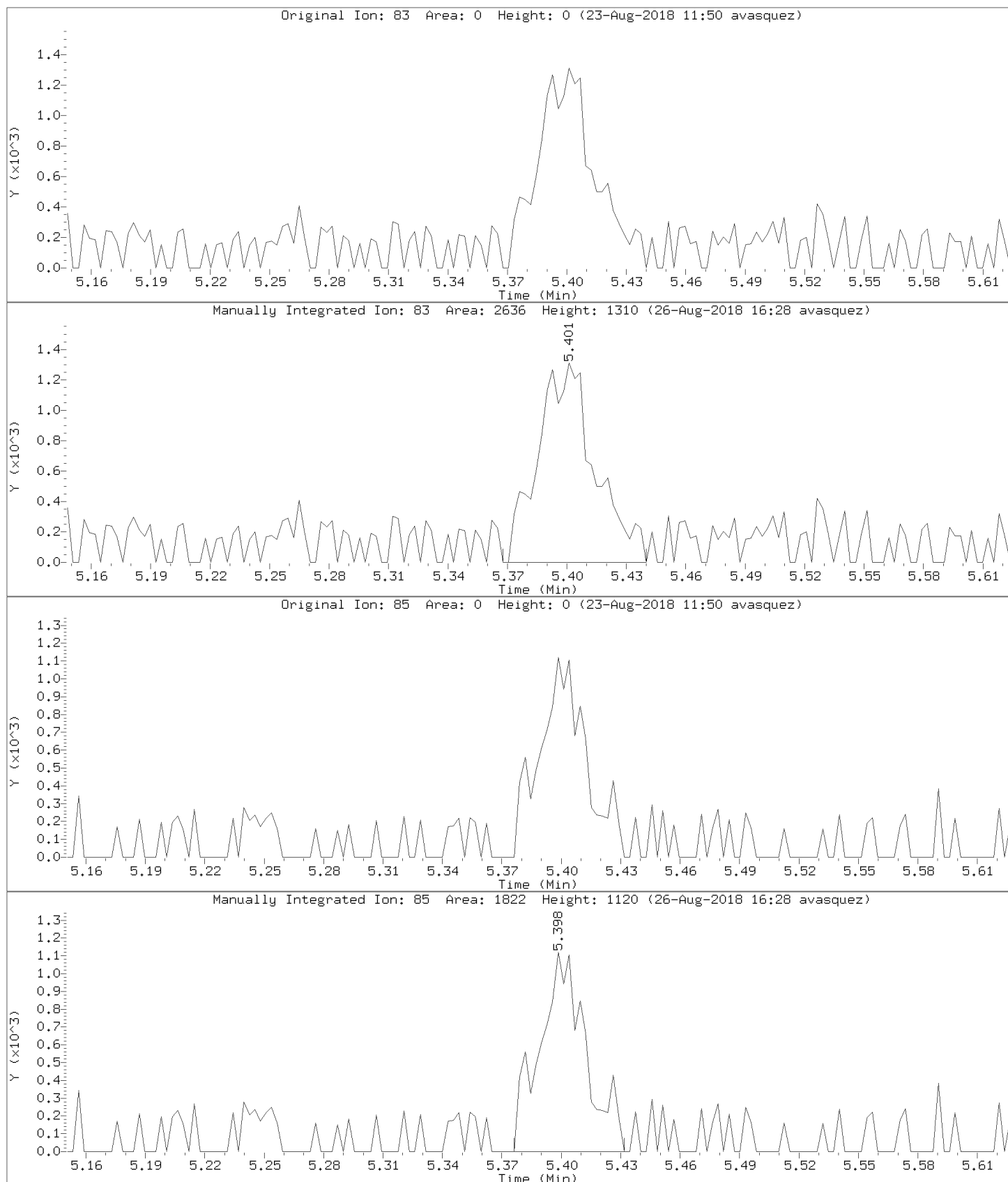


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

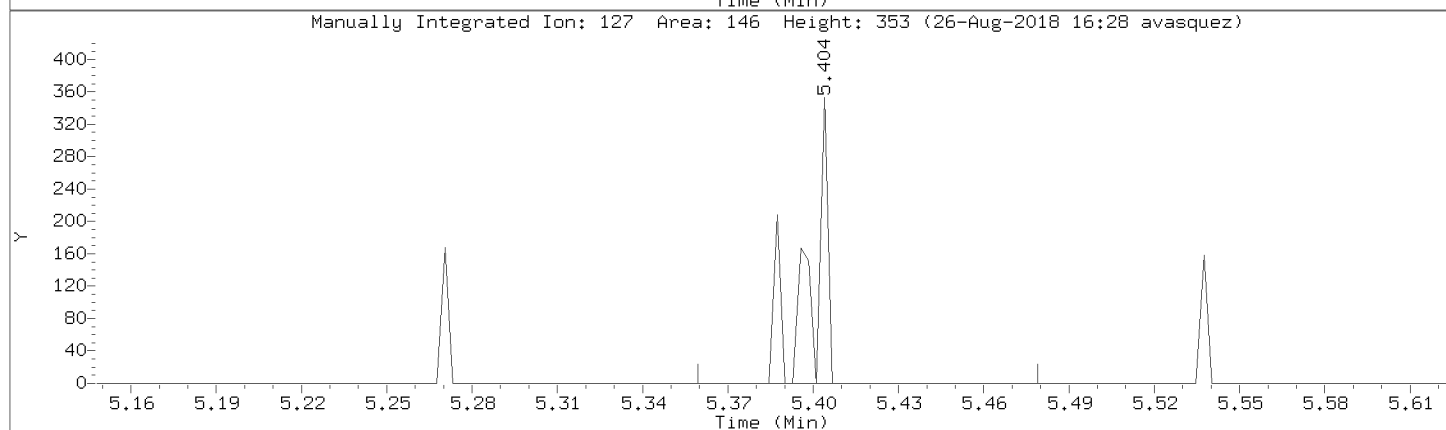
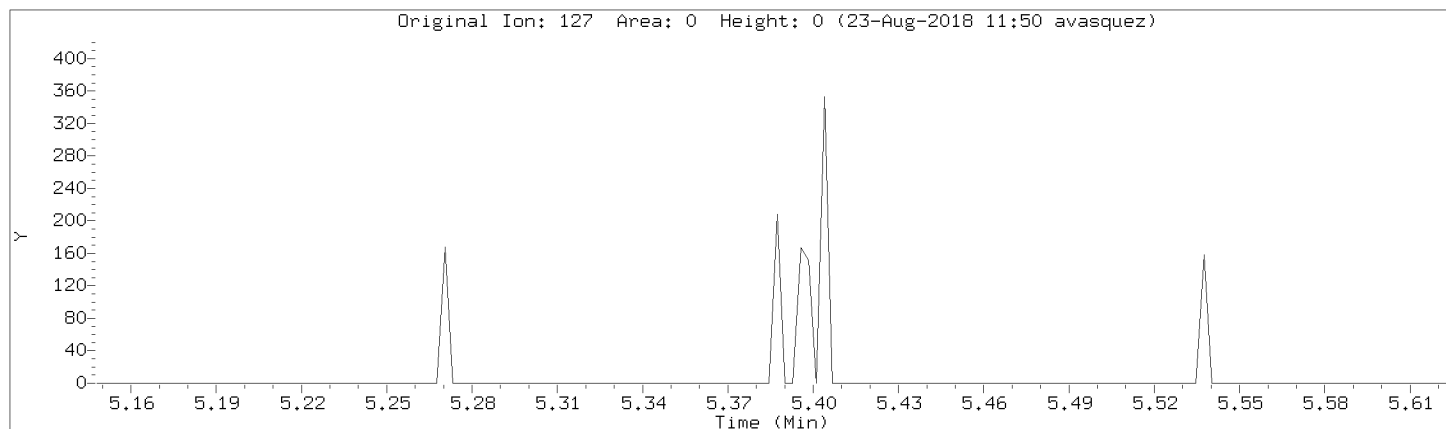


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: Bromodichloromethane Review Code: NI
CAS Number: 75-27-4

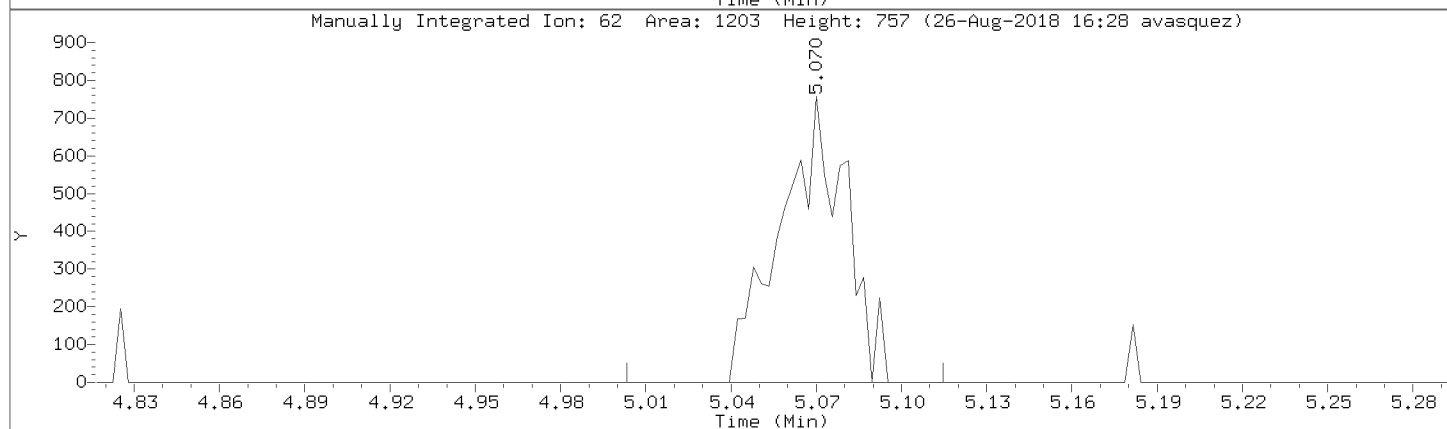
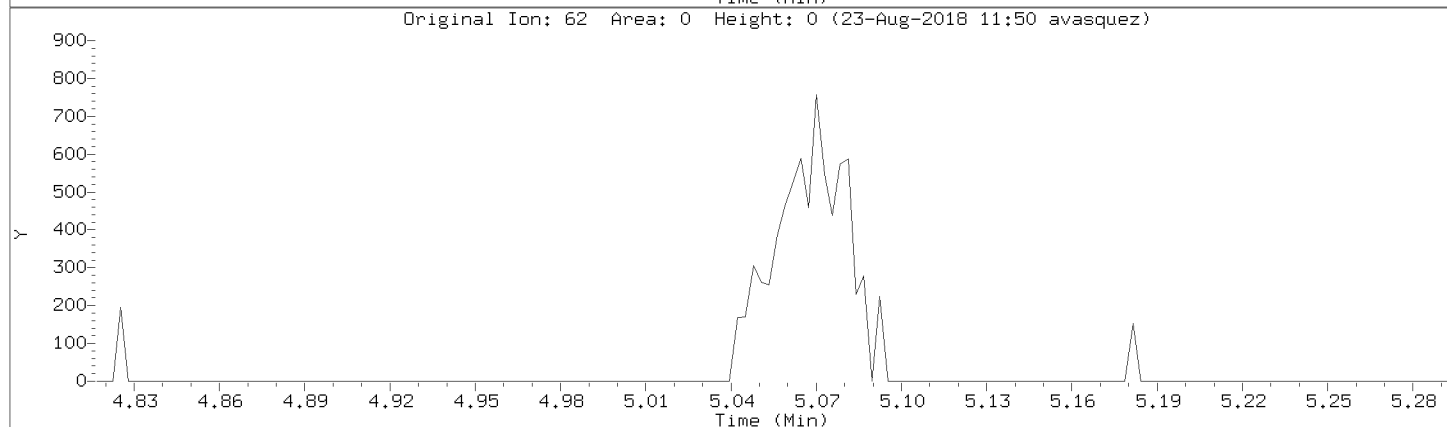
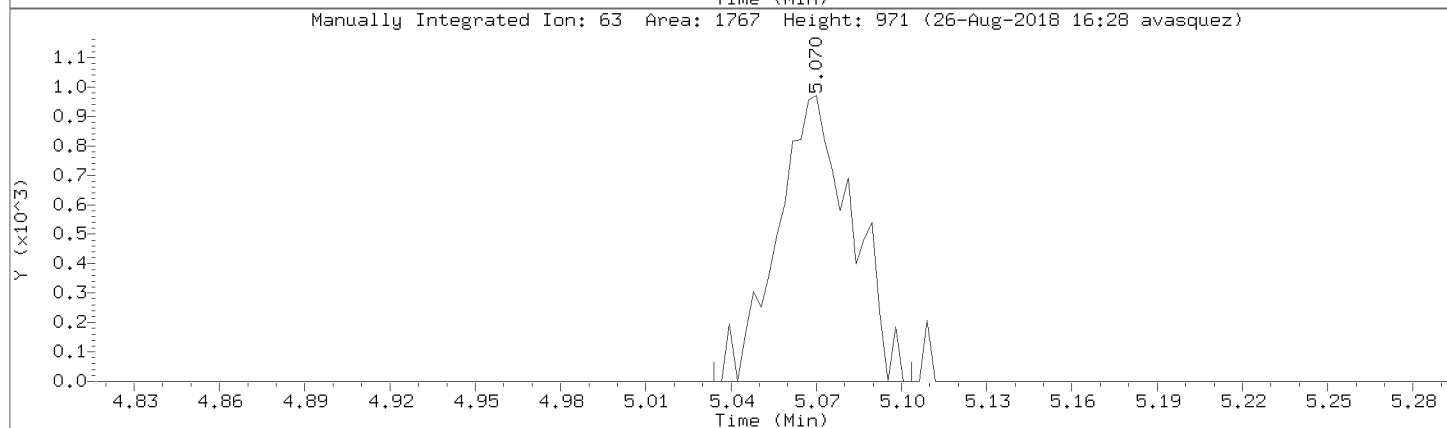
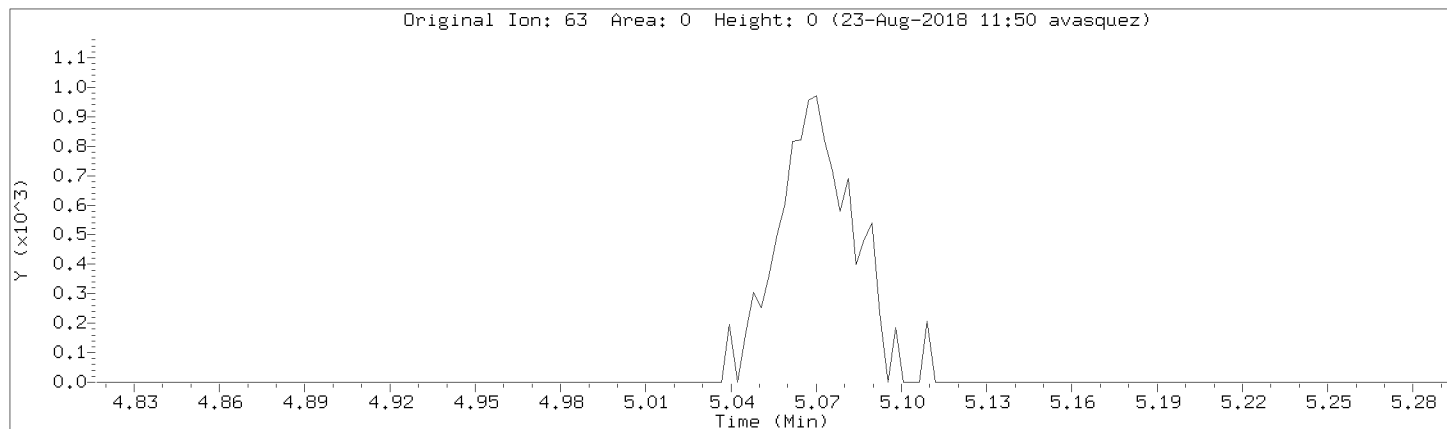


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Injection Date: 22-AUG-2018 14:52
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Lab Sample ID: 8260-CAL2

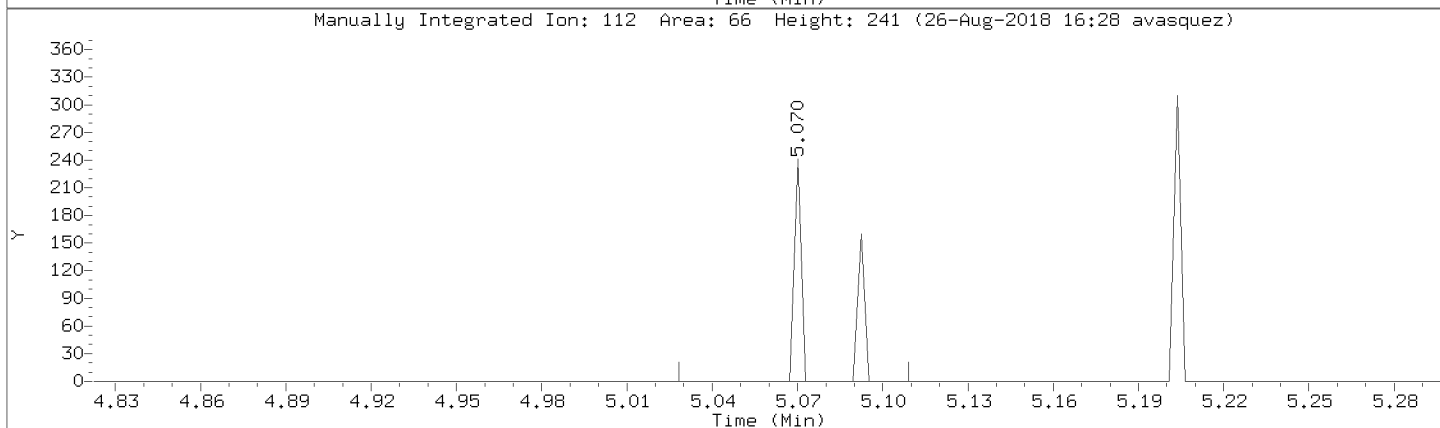
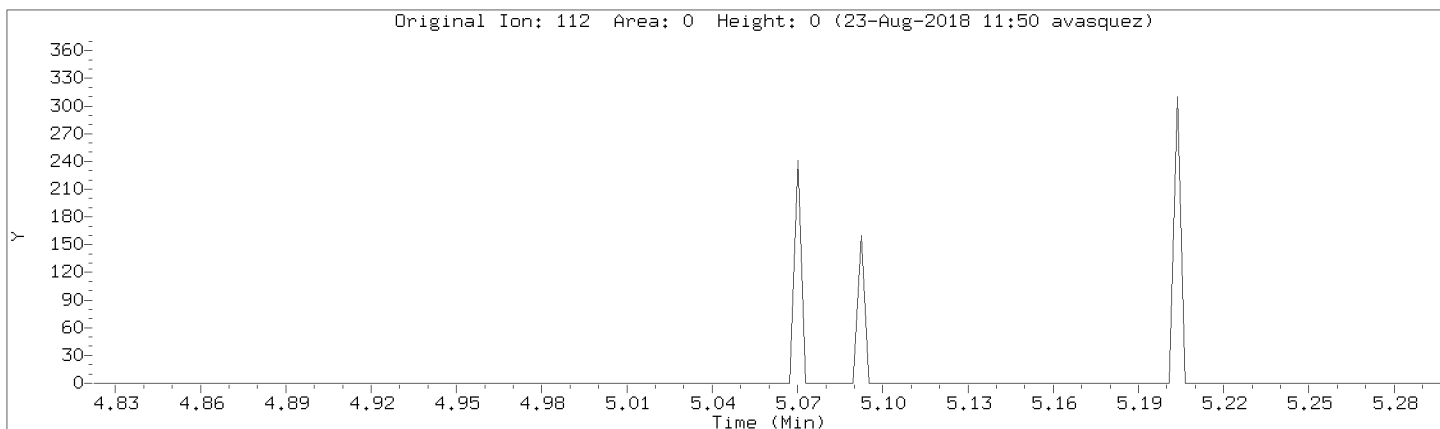


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: 1,2-Dichloropropane Review Code: NI
CAS Number: 78-87-5



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 22-AUG-2018 14:52

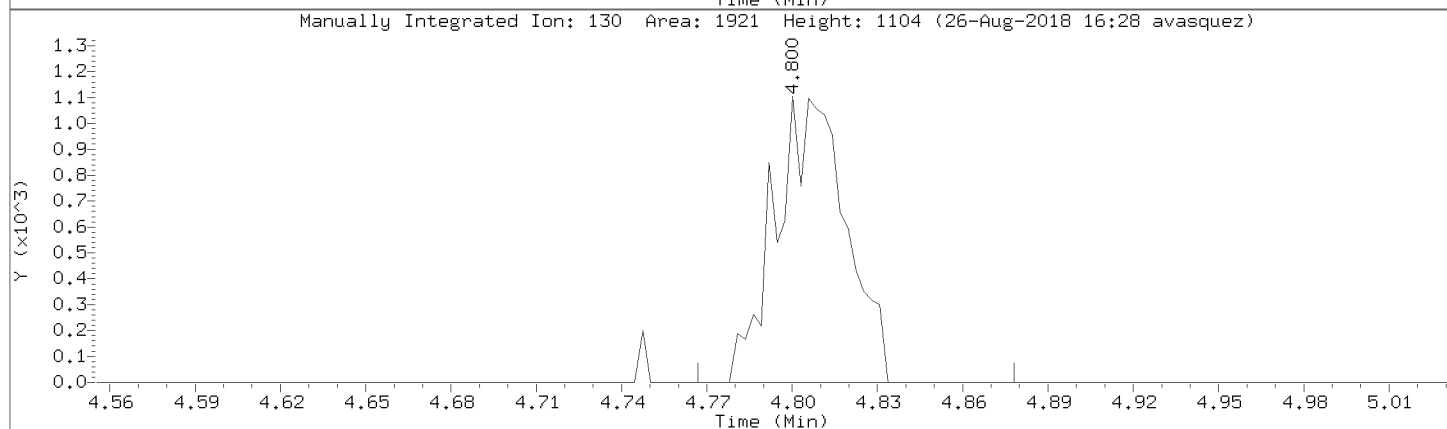
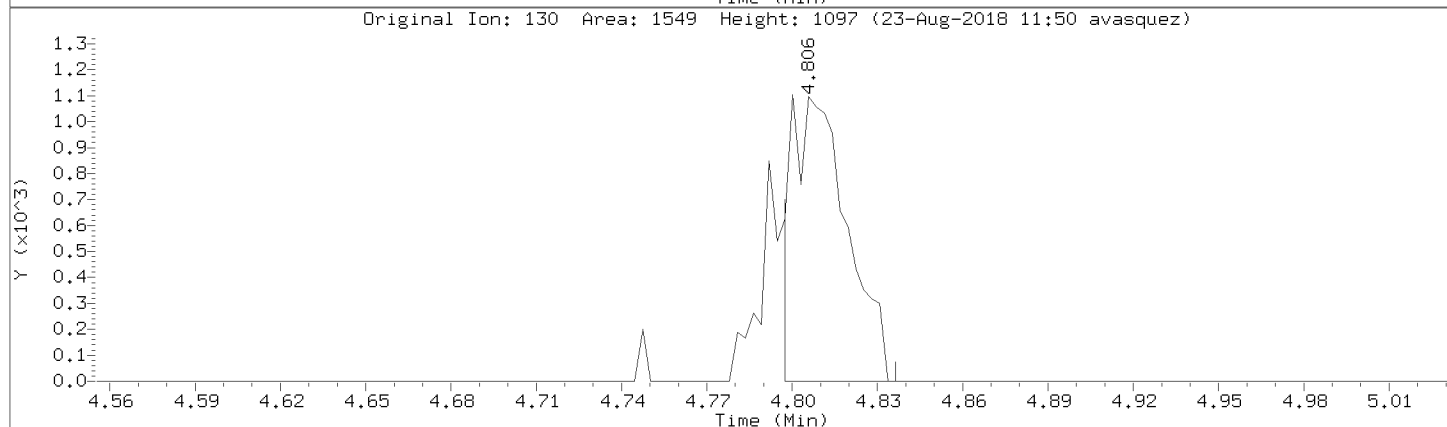
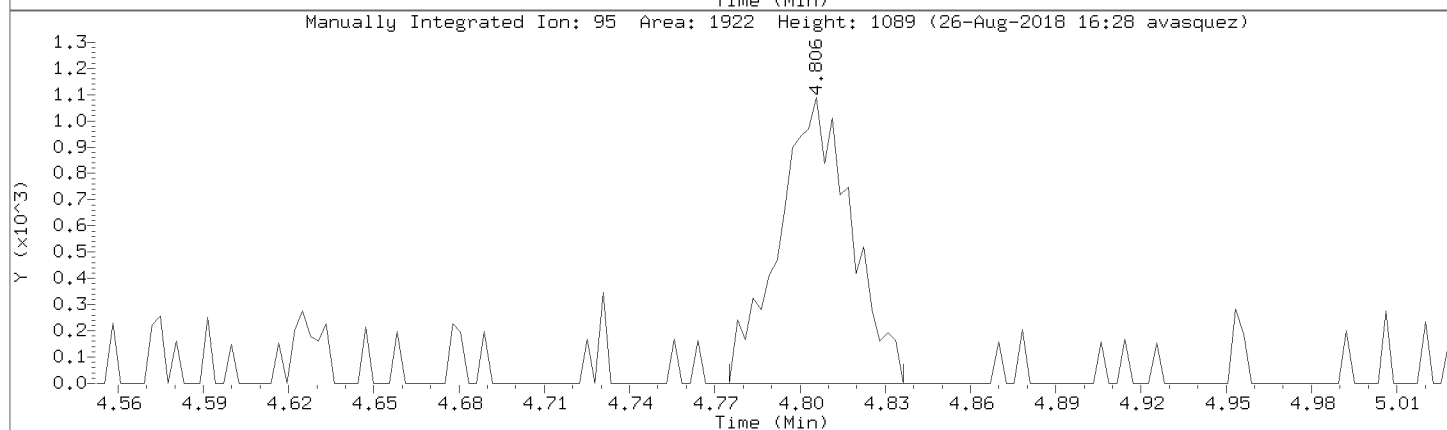
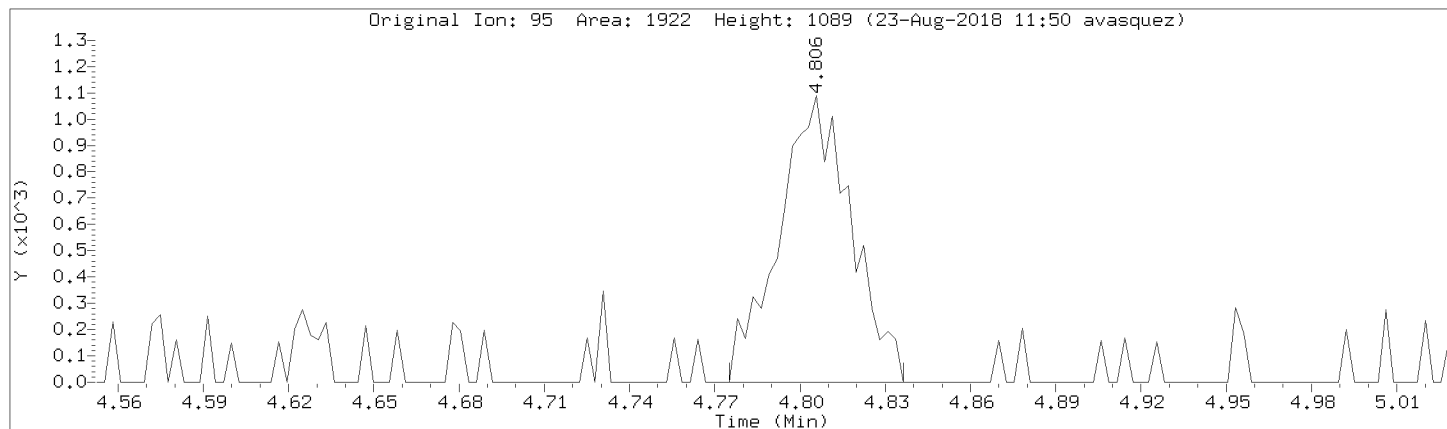
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

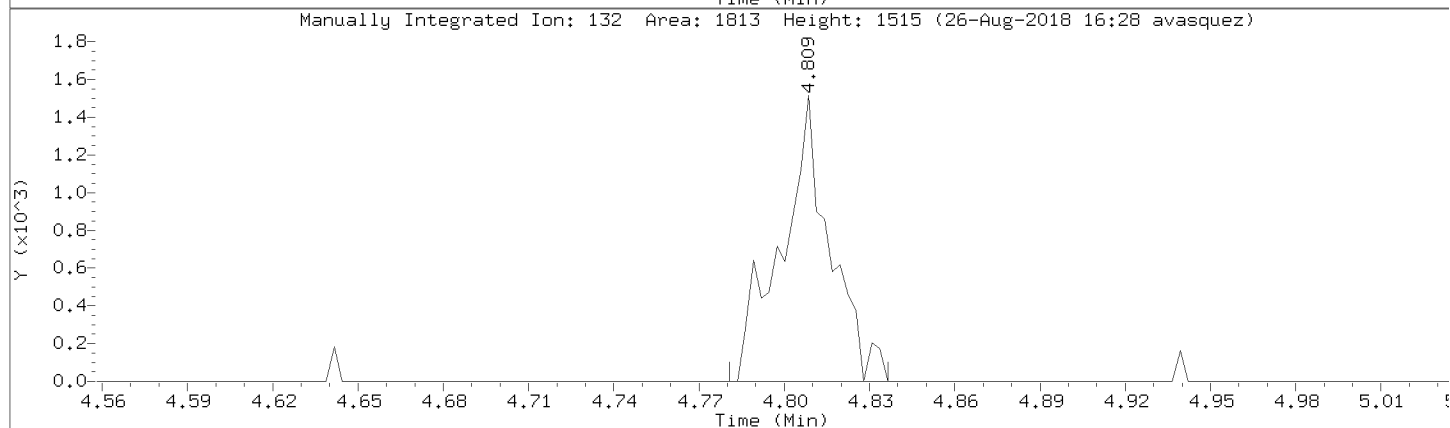
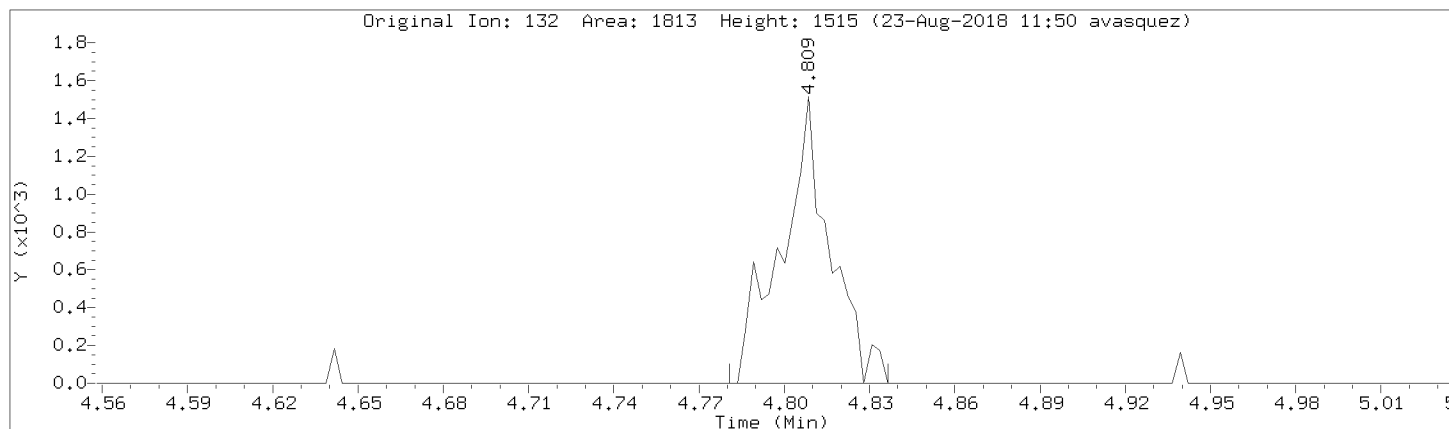
Compound: Trichloroethene

Review Code: LT

CAS Number: 79-01-6



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\03cal.d

Injection Date: 22-AUG-2018 14:52

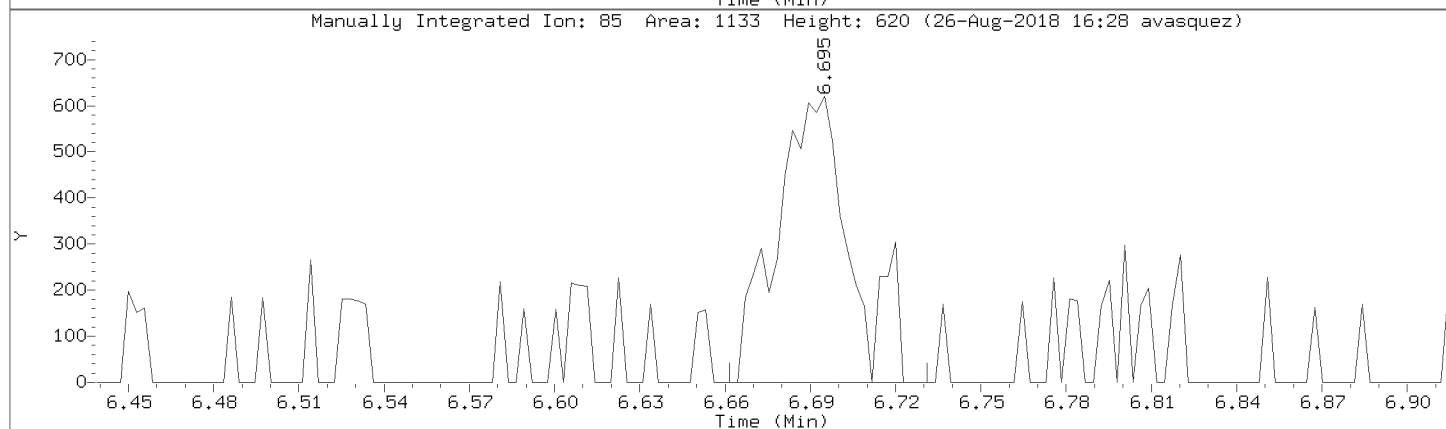
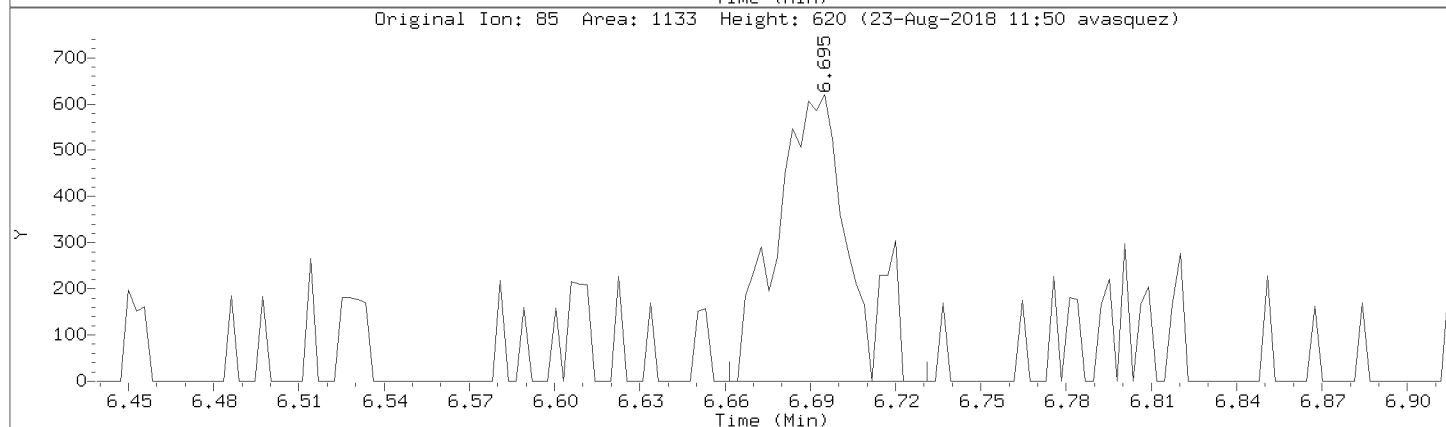
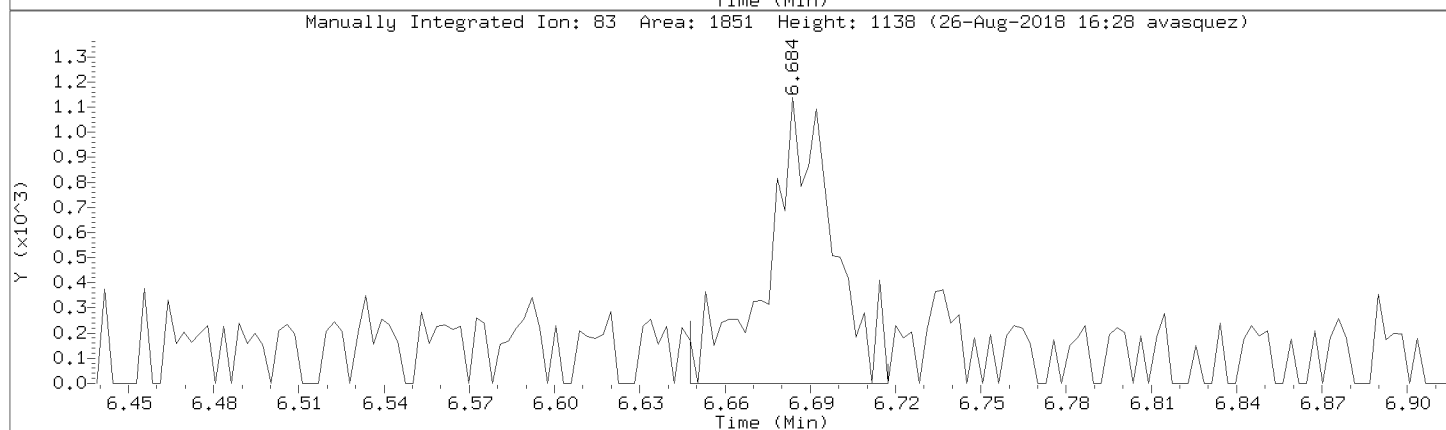
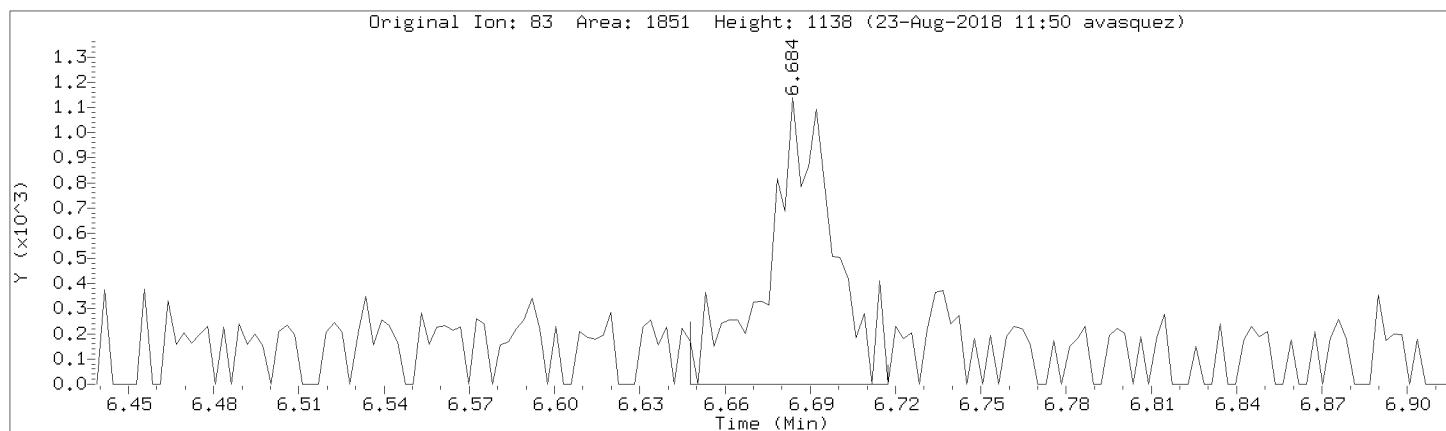
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

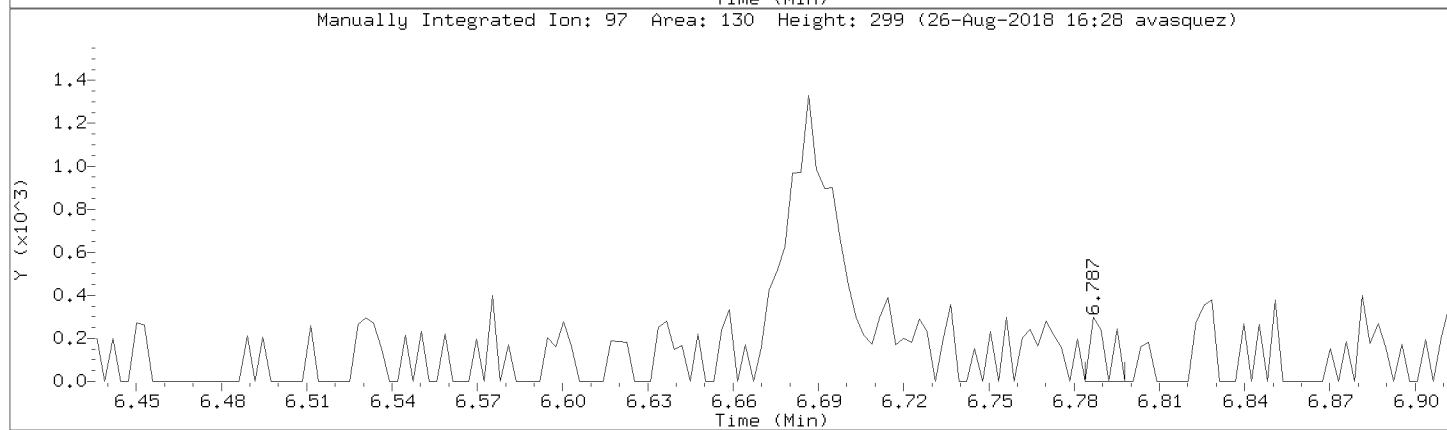
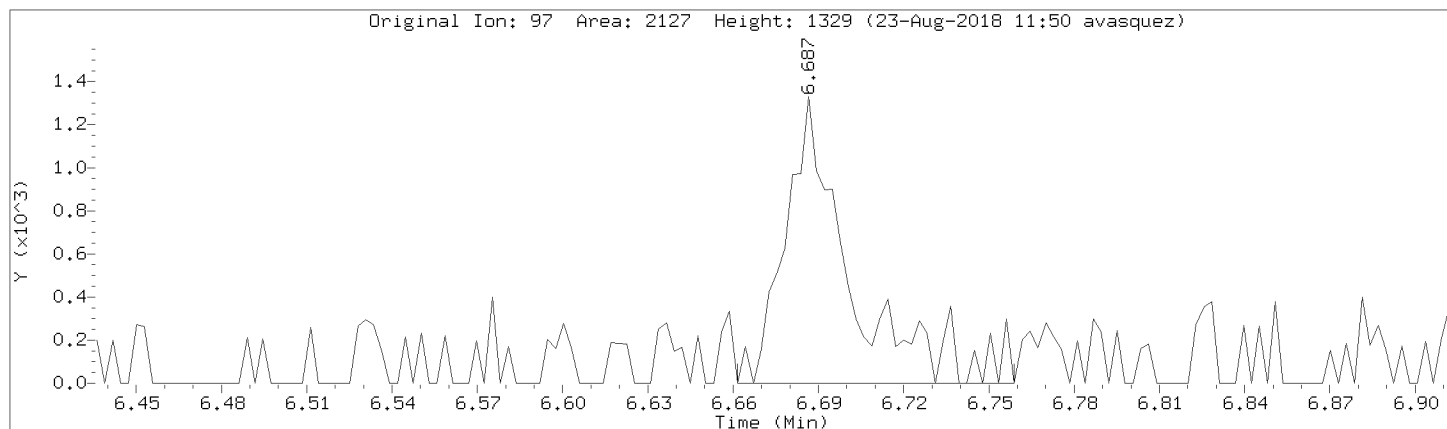
Compound: 1,1,2-Trichloroethane

Review Code: WP

CAS Number: 79-00-5



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 22-AUG-2018 14:52

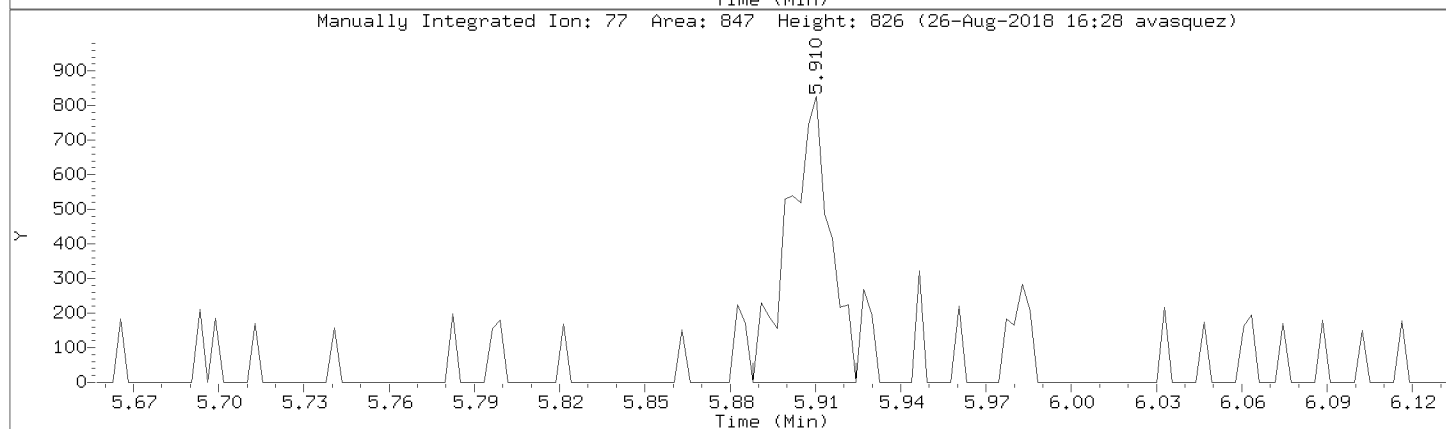
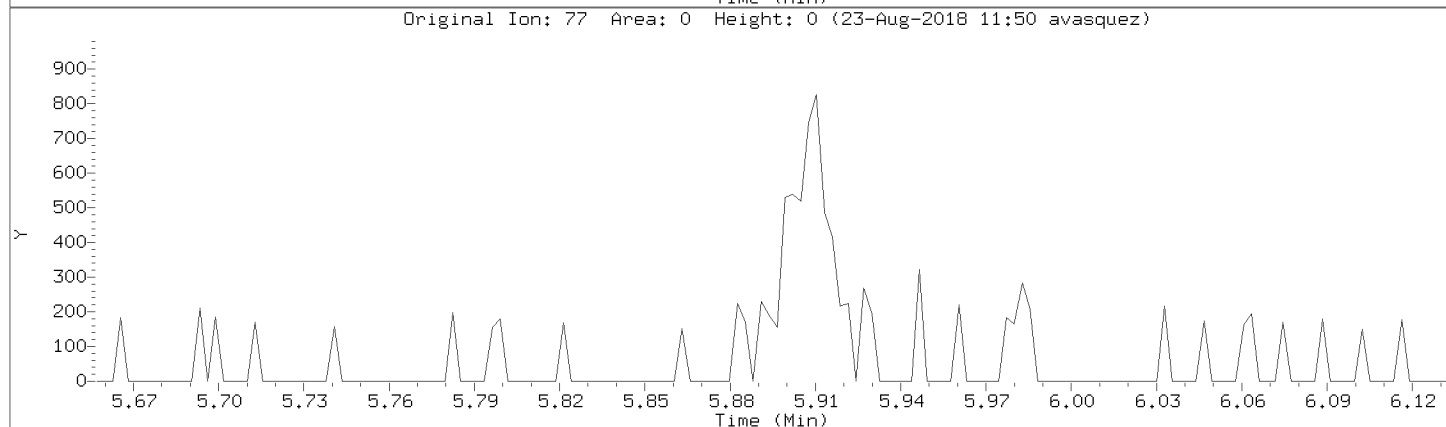
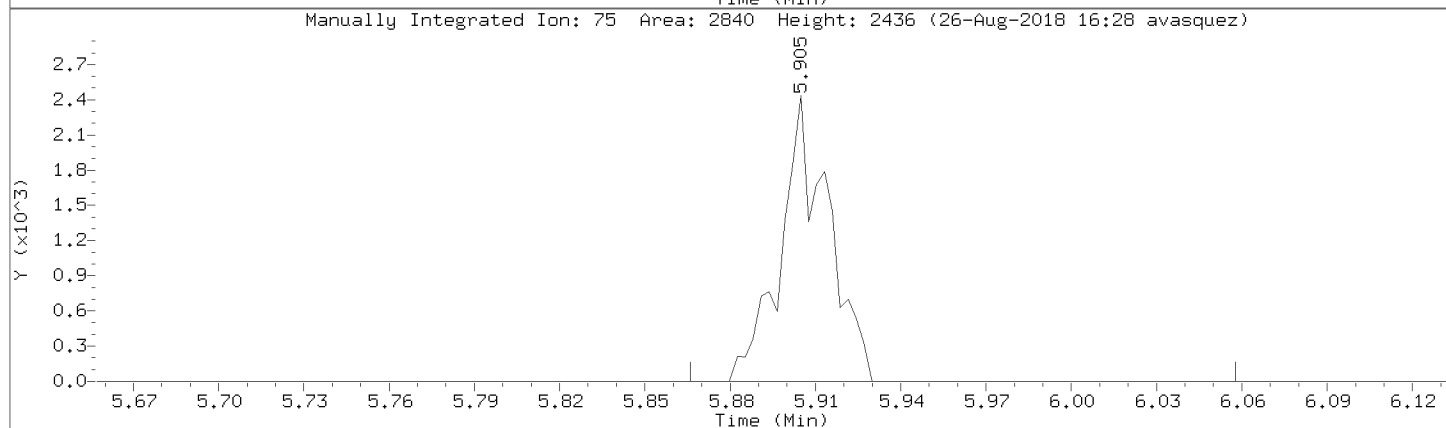
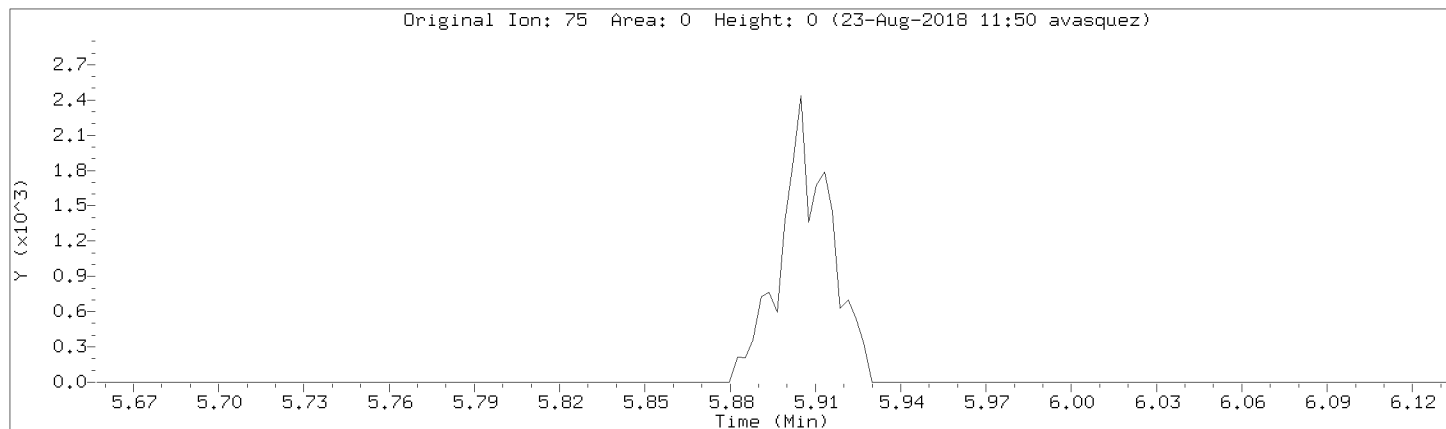
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: cis-1,3-Dichloropropene

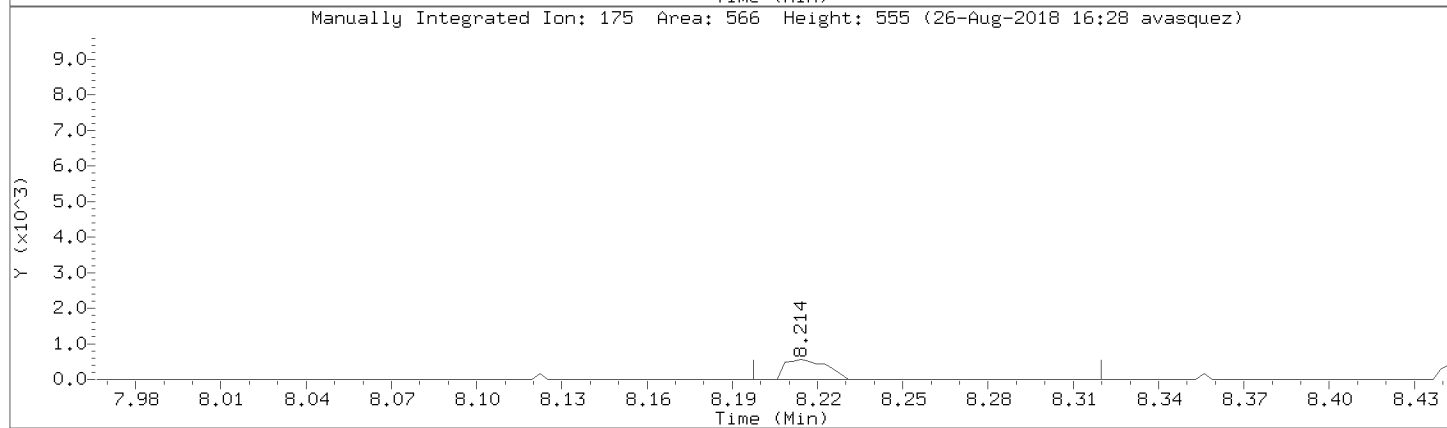
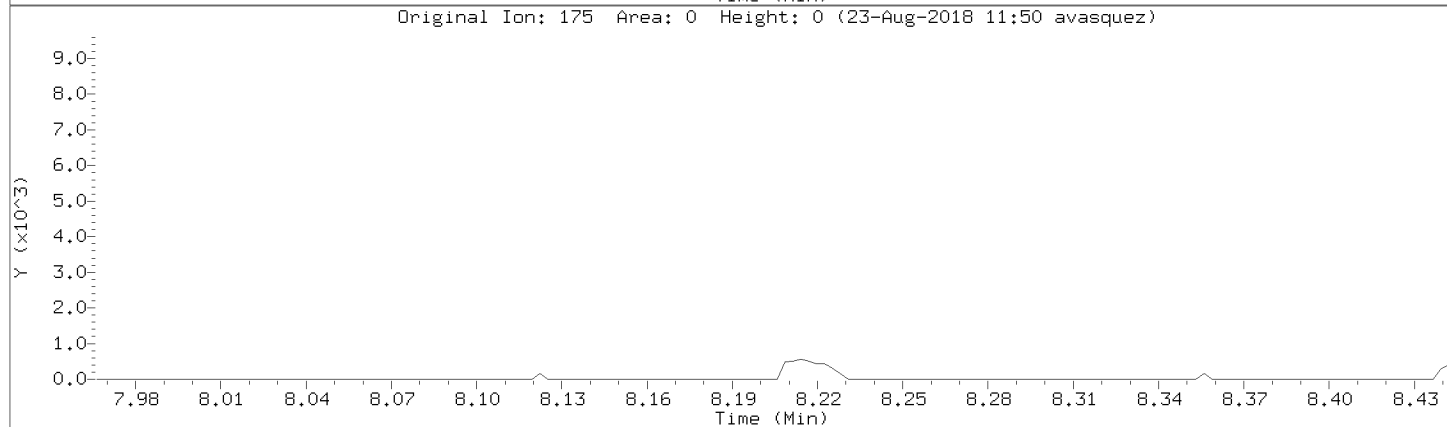
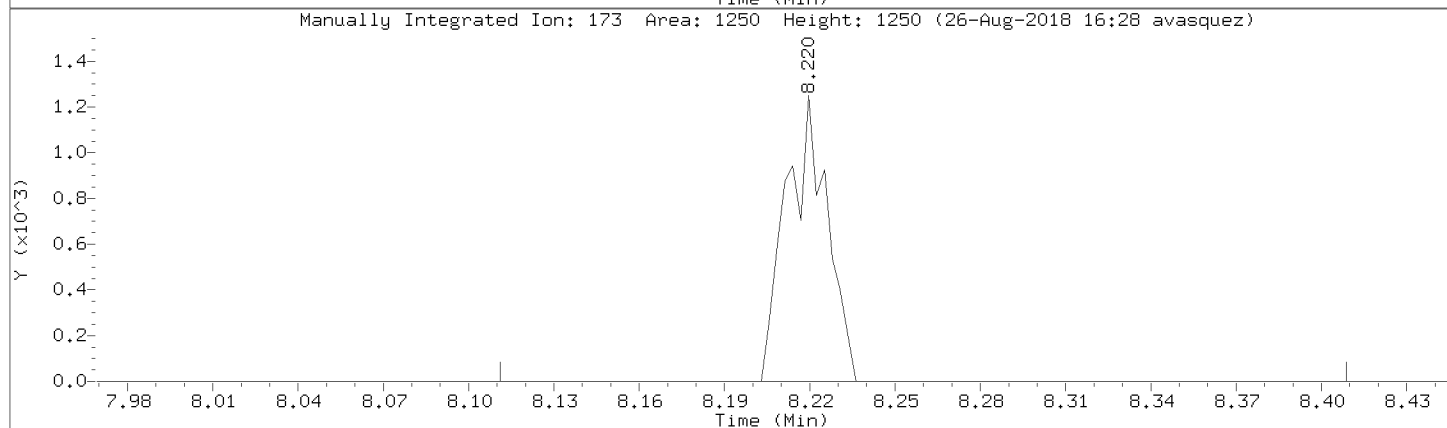
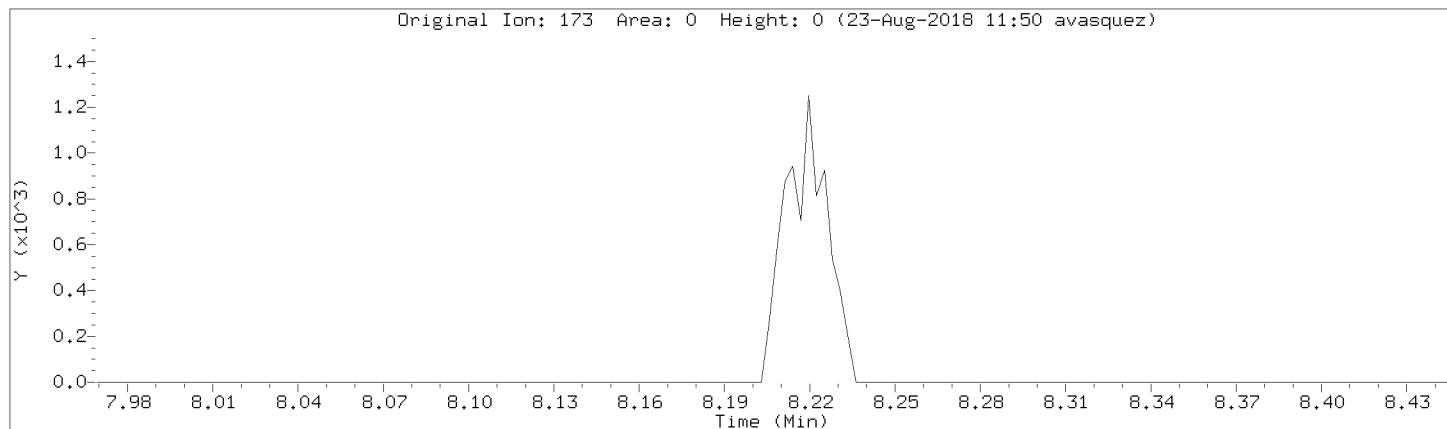
Review Code: NI

CAS Number: 10061-01-5

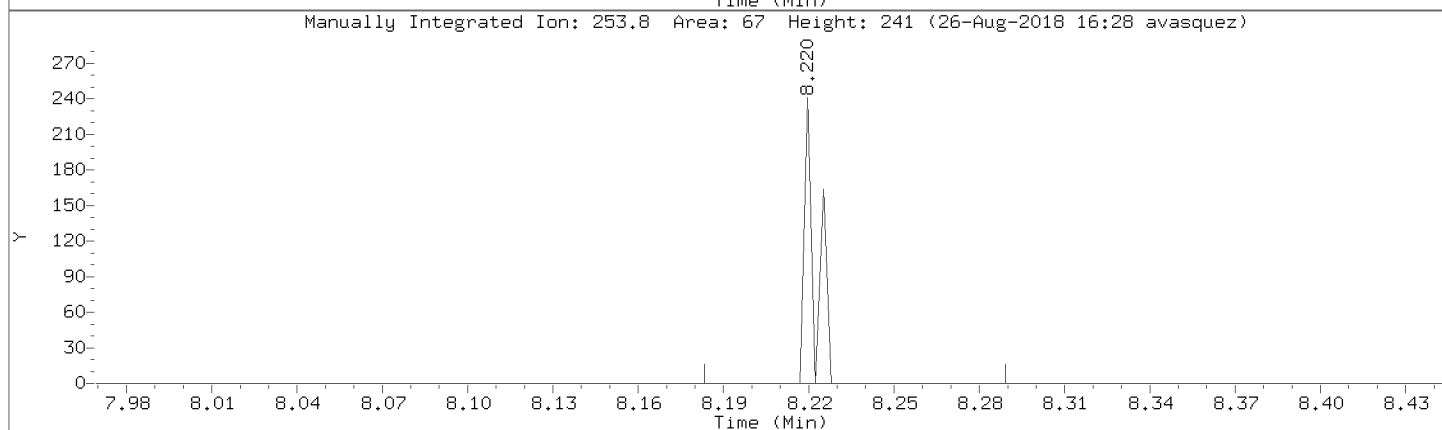
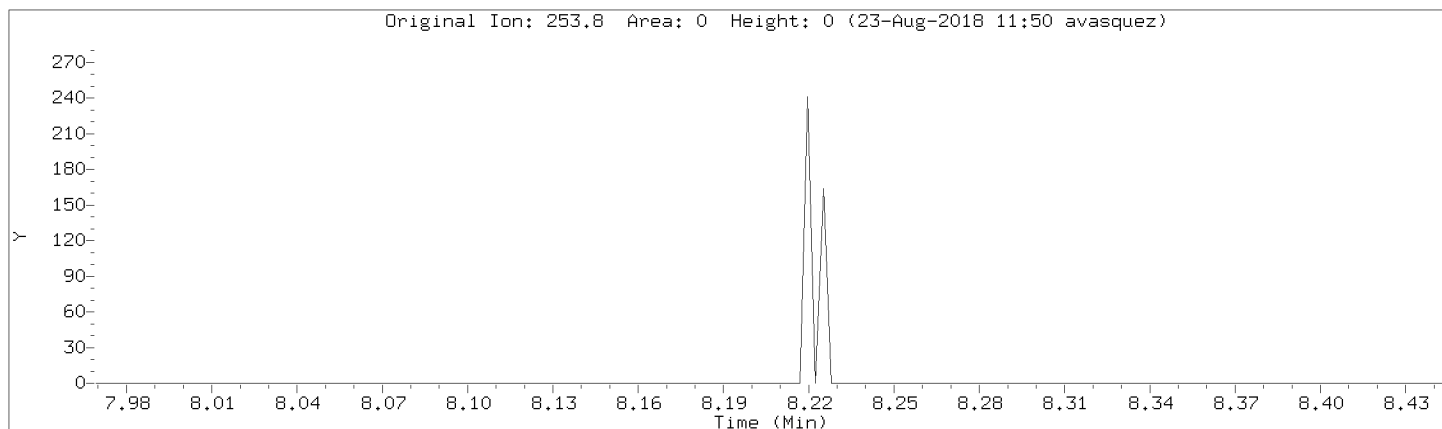


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: Bromoform Review Code: NI
CAS Number: 75-25-2

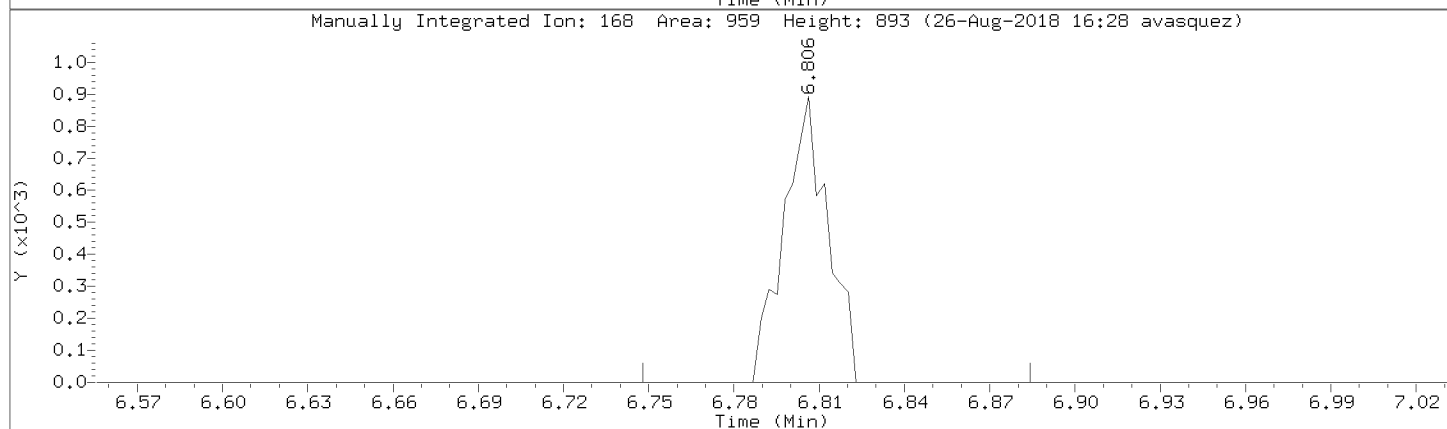
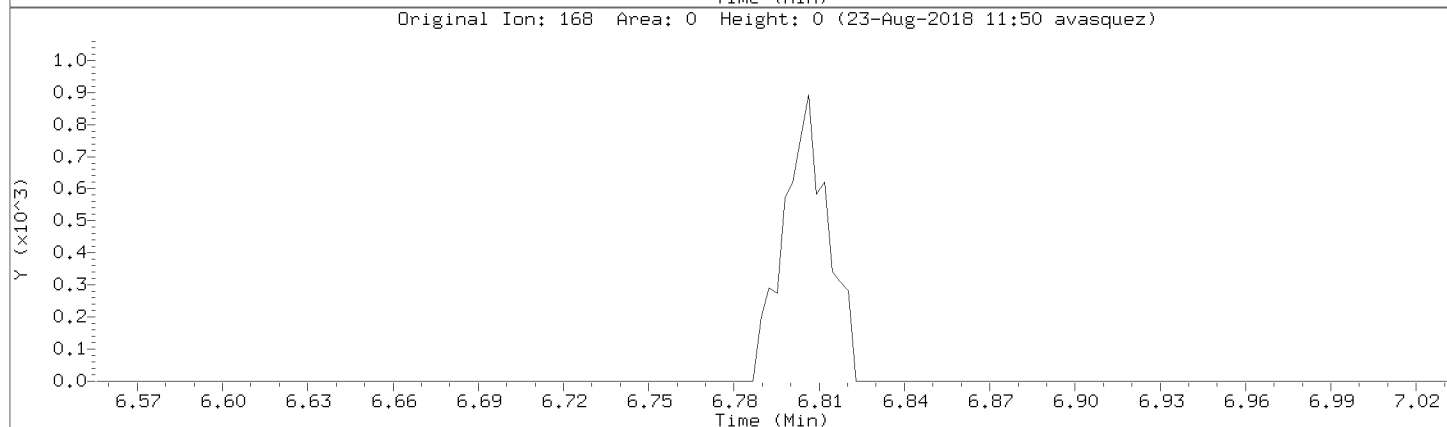
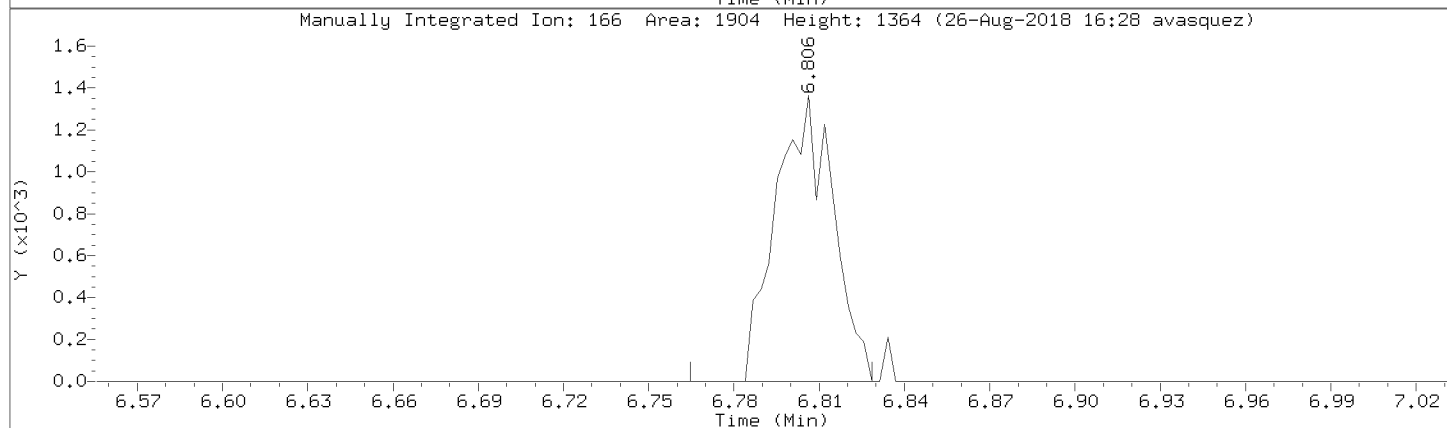
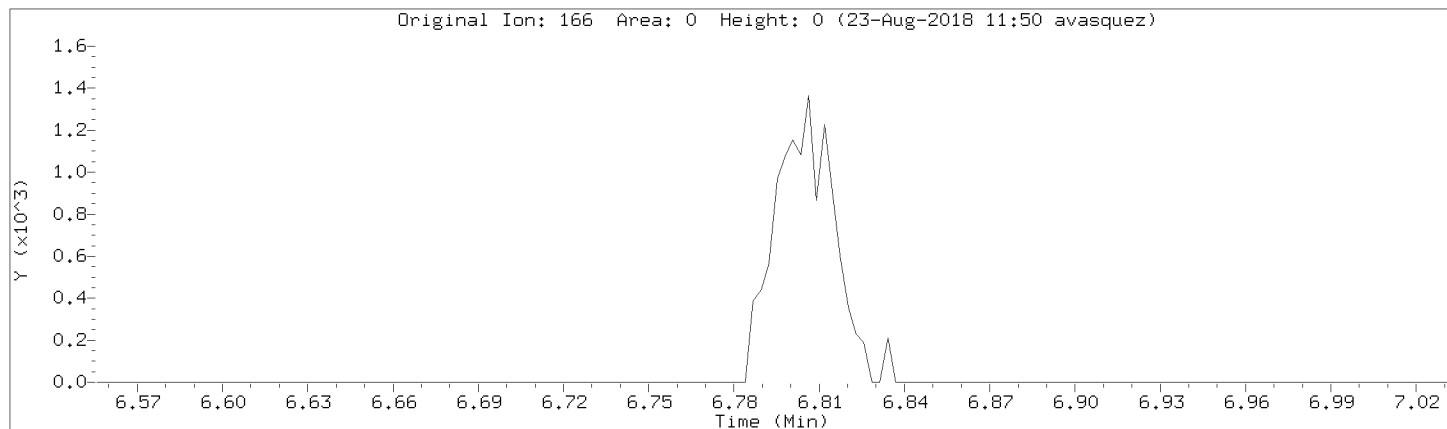


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

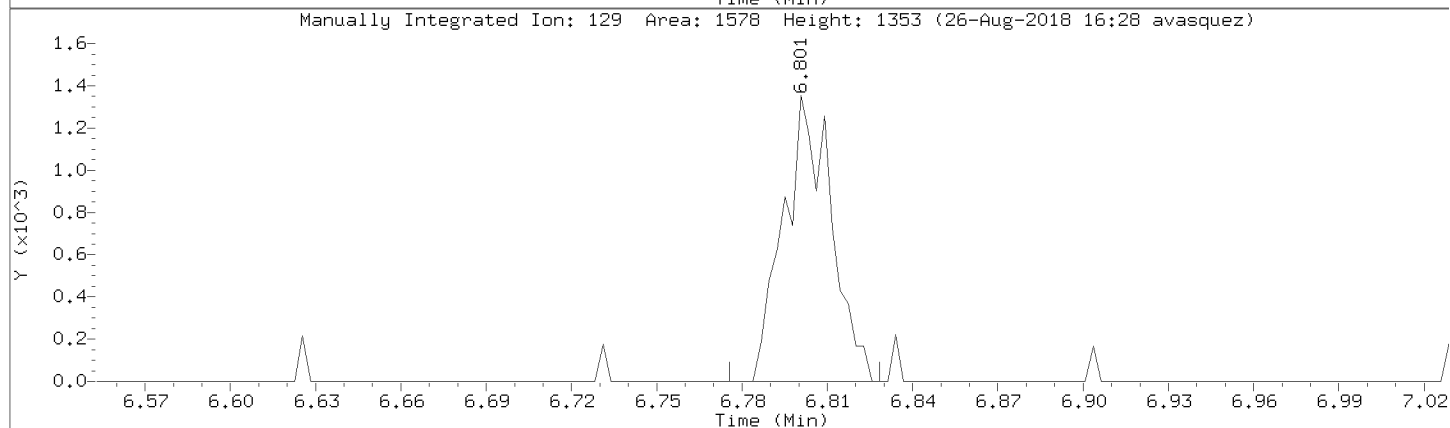
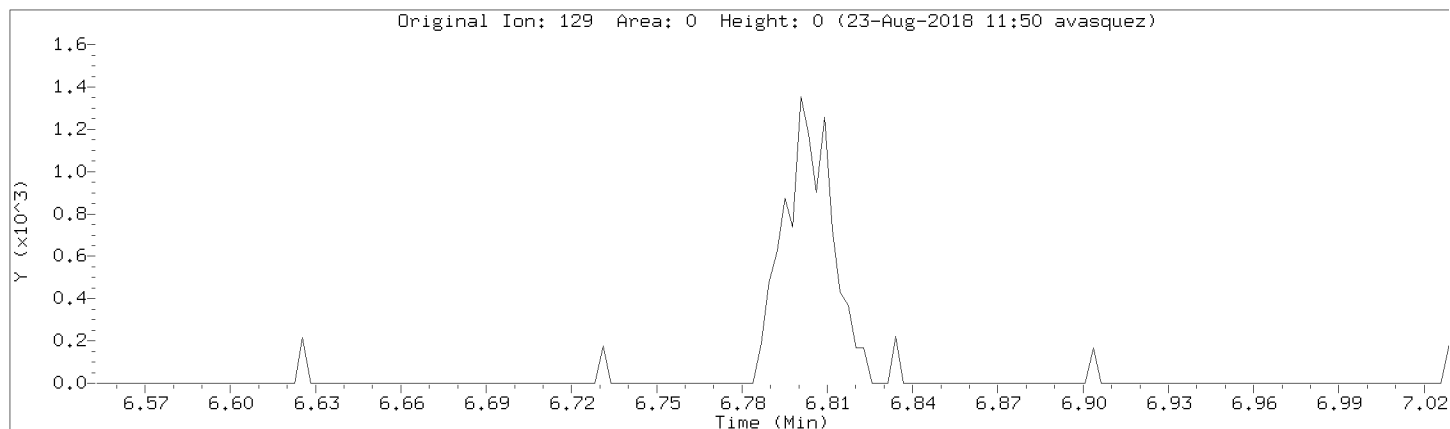


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: Tetrachloroethene Review Code: NI
CAS Number: 127-18-4



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 22-AUG-2018 14:52

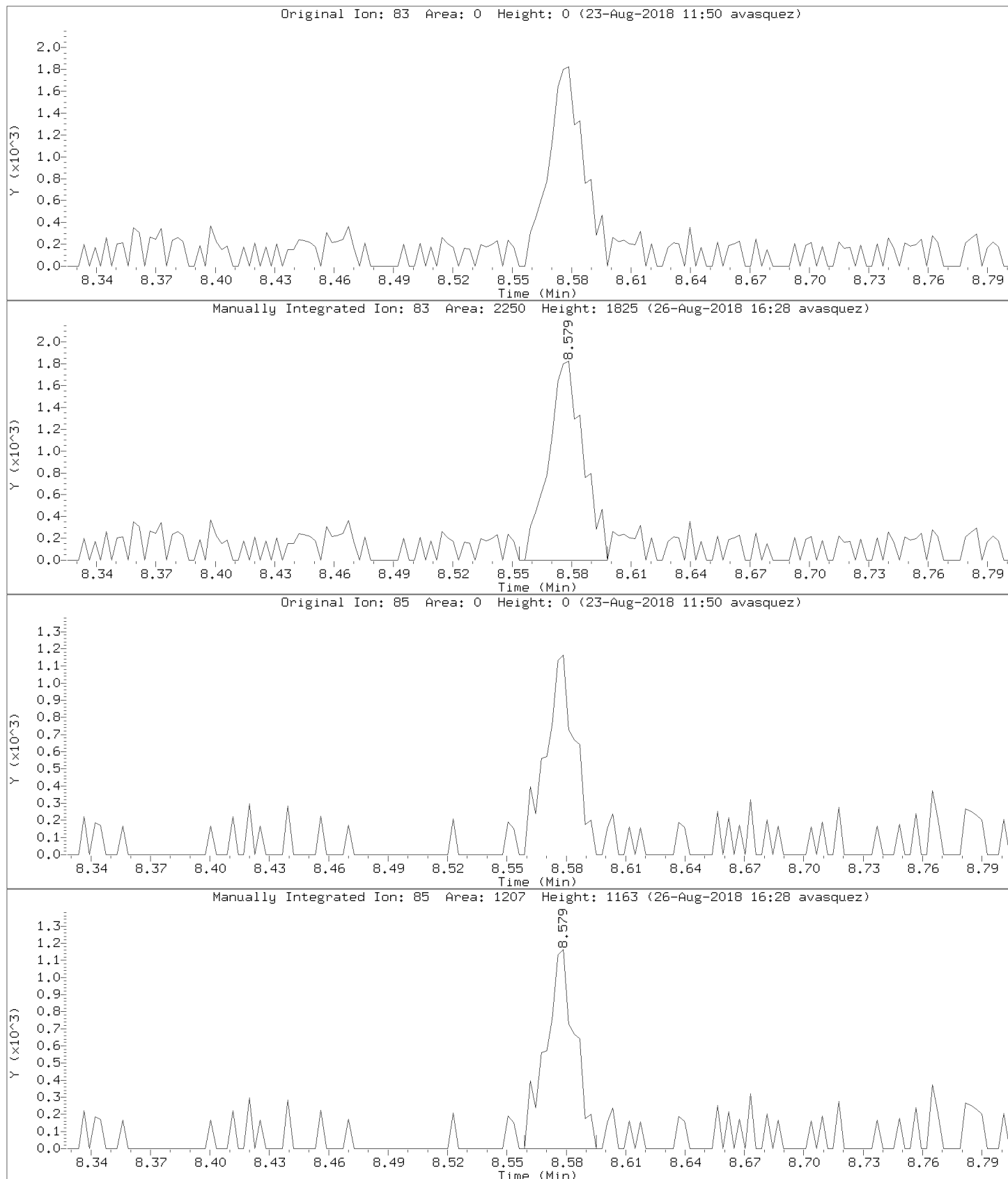
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

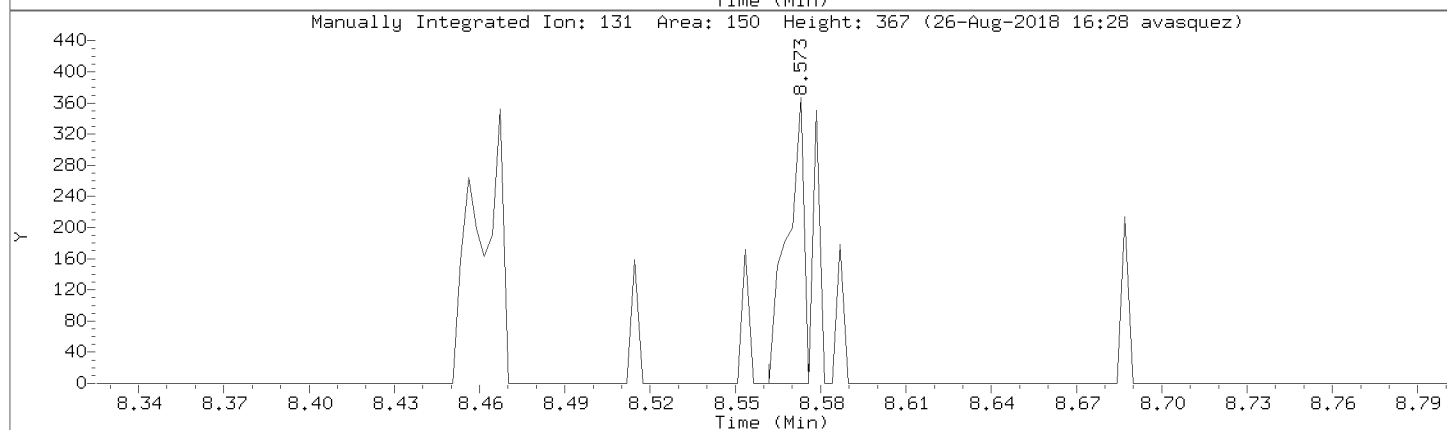
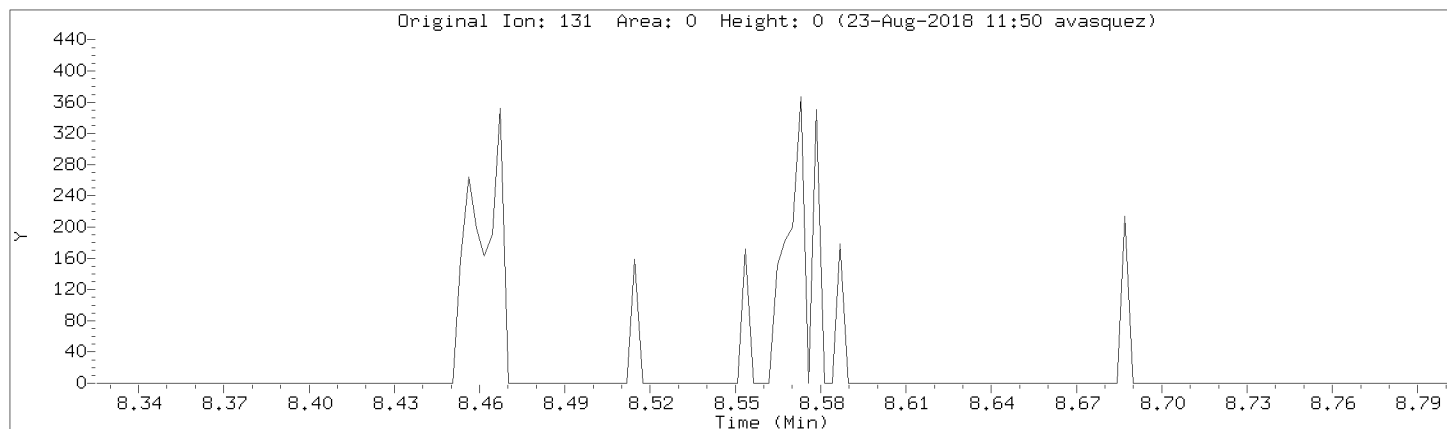
Compound: 1,1,2,2-Tetrachloroethane

Review Code: NI

CAS Number: 79-34-5



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\03cal.d

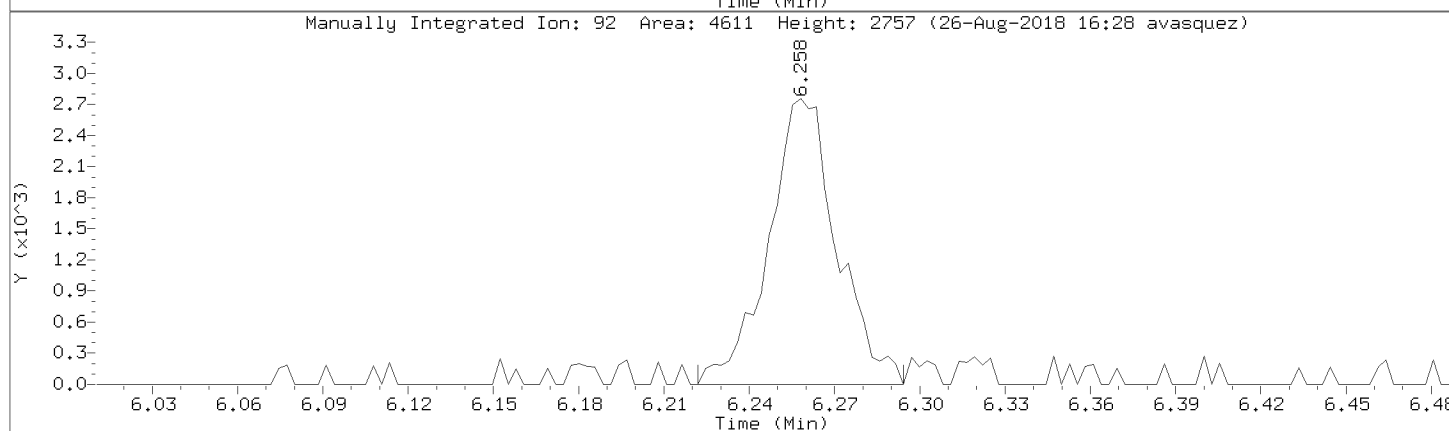
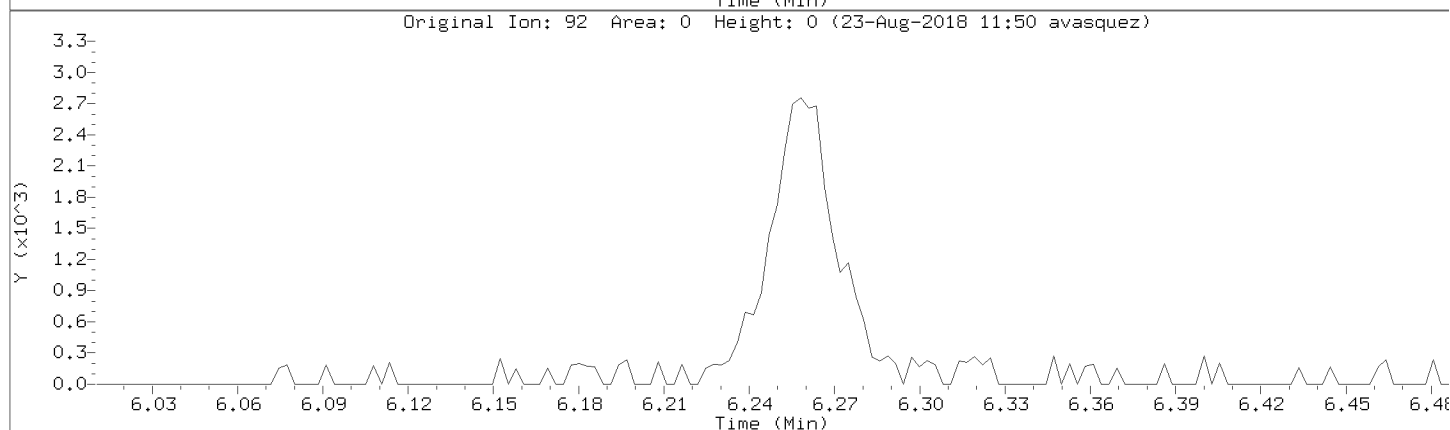
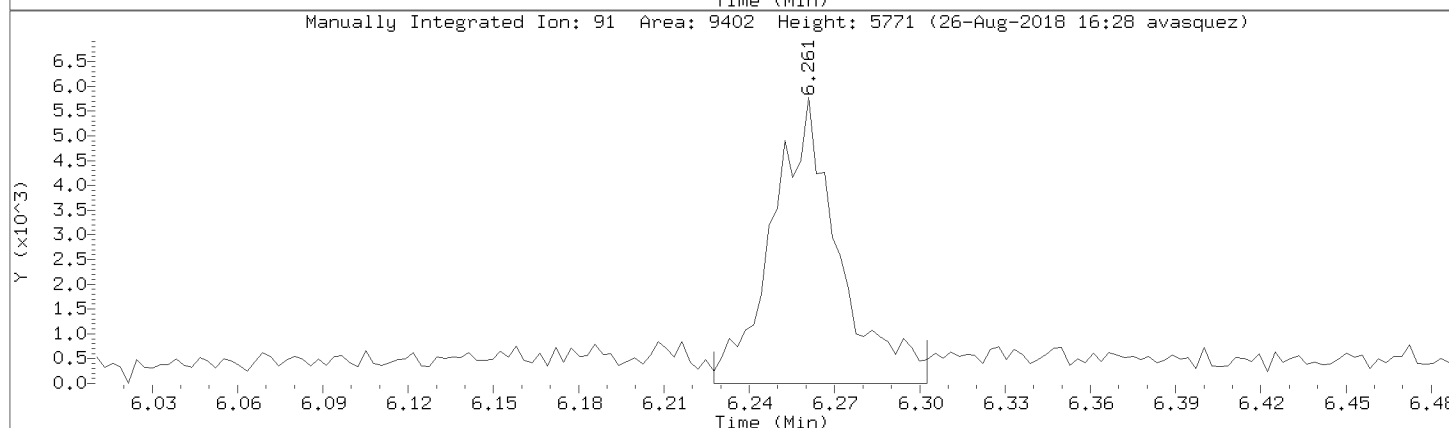
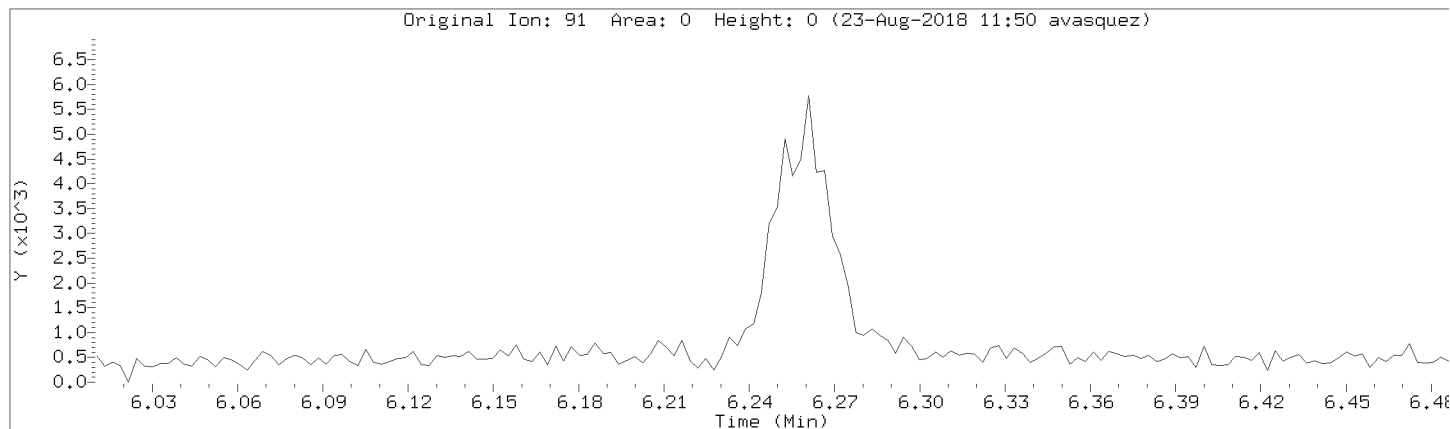
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Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

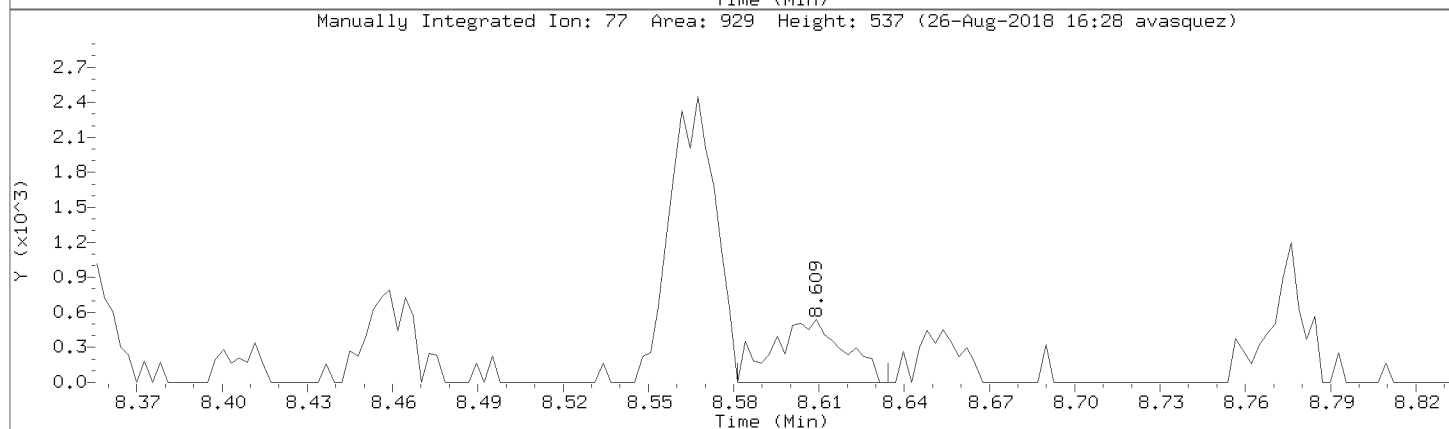
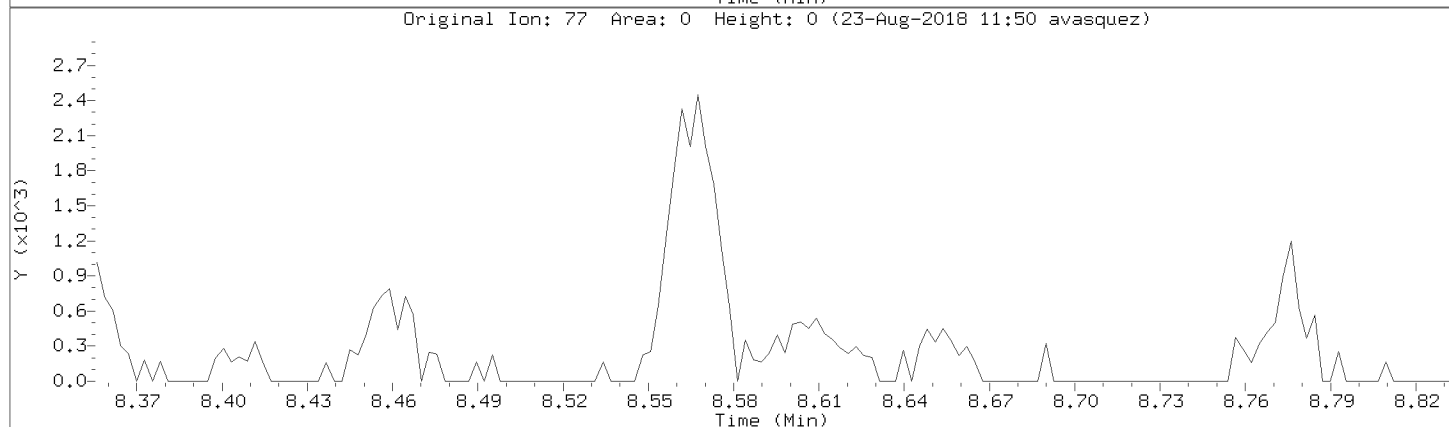
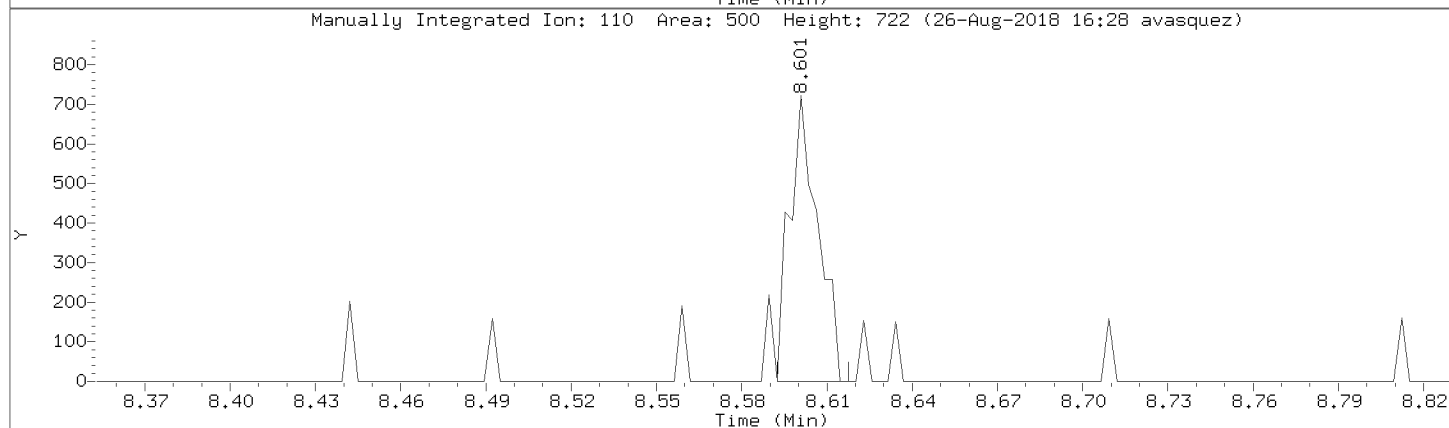
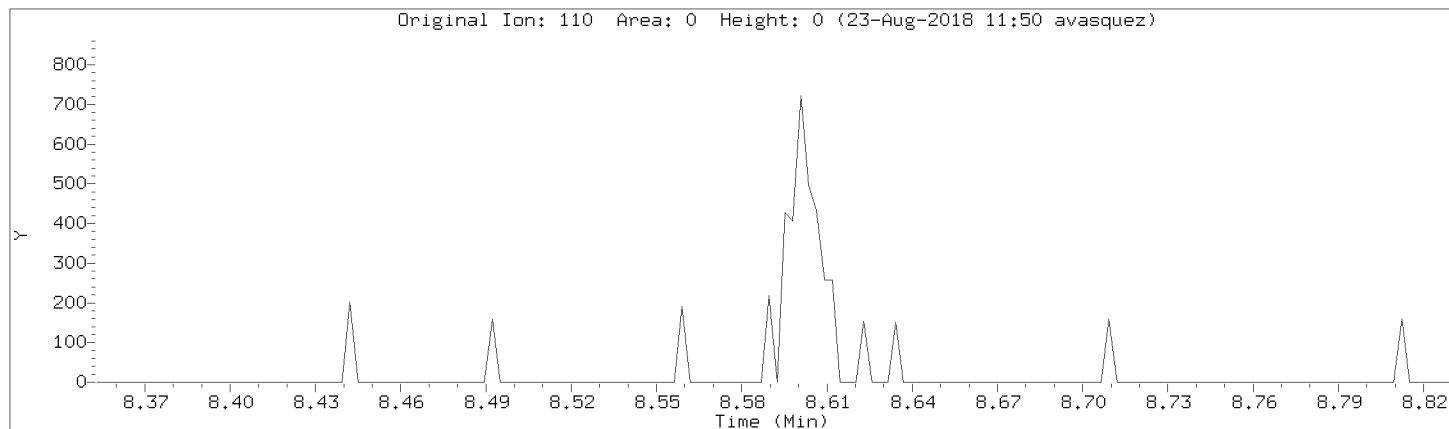
Compound: Toluene Review Code: NI

CAS Number: 108-88-3

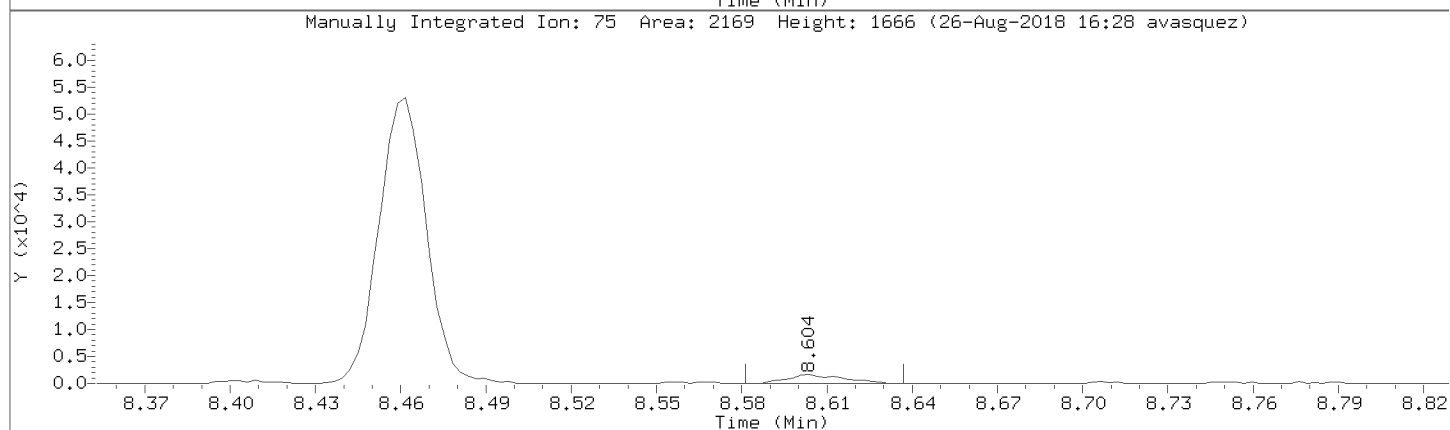
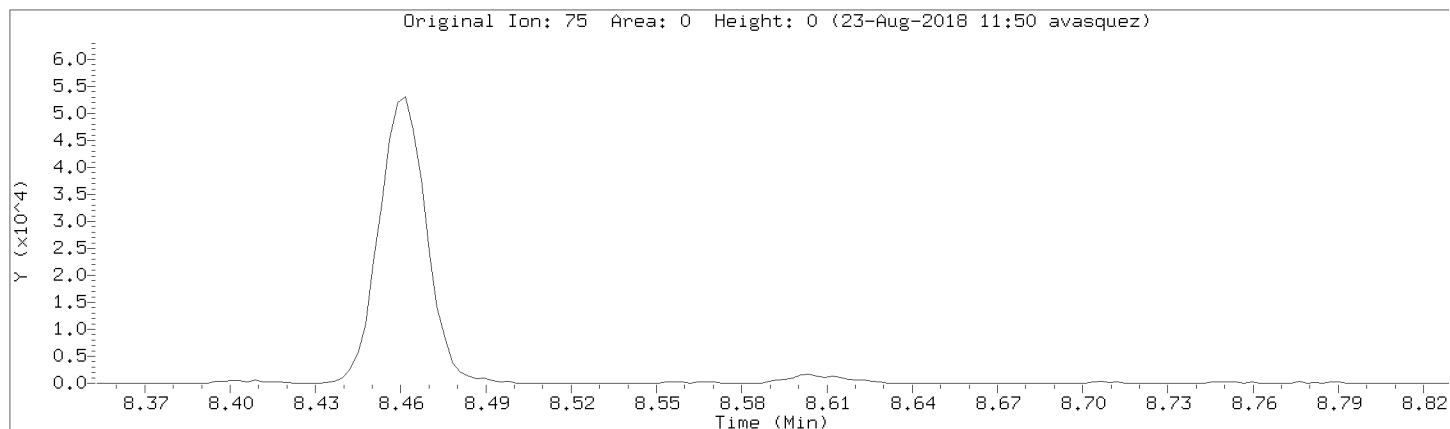


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: 1,2,3-Trichloropropane Review Code: NI
CAS Number: 96-18-4

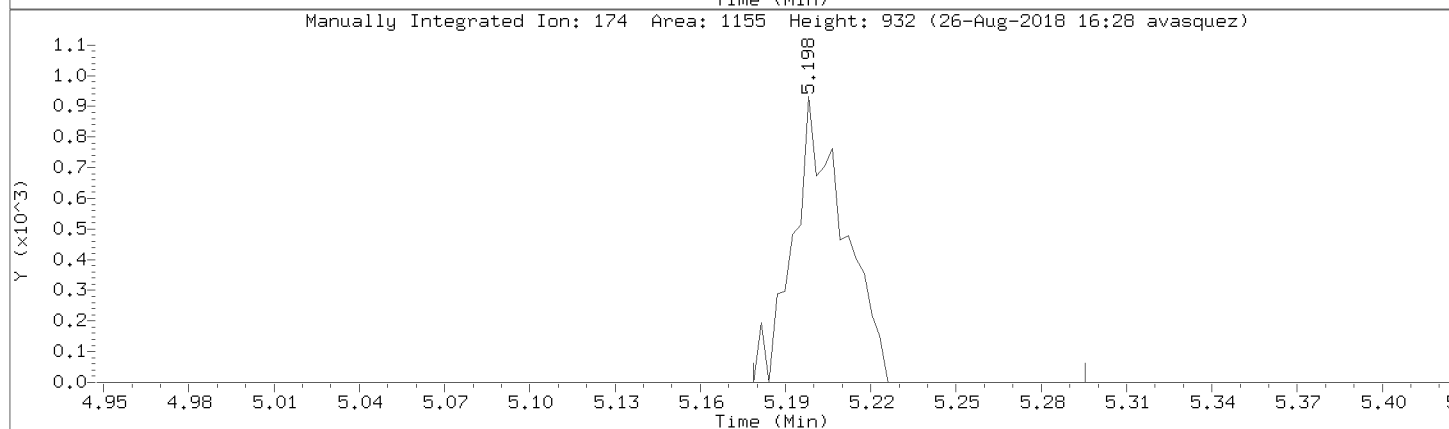
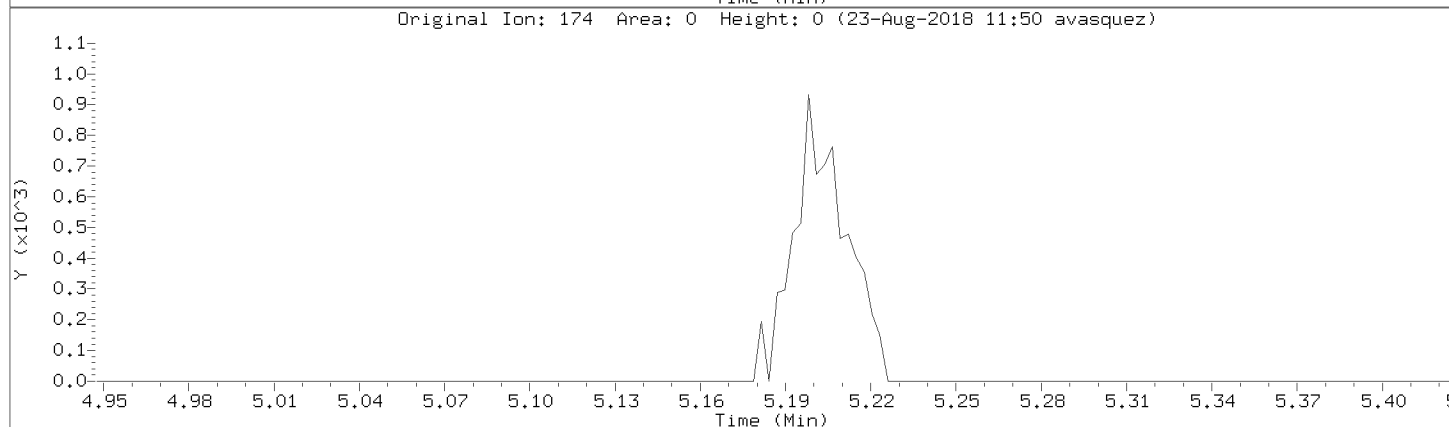
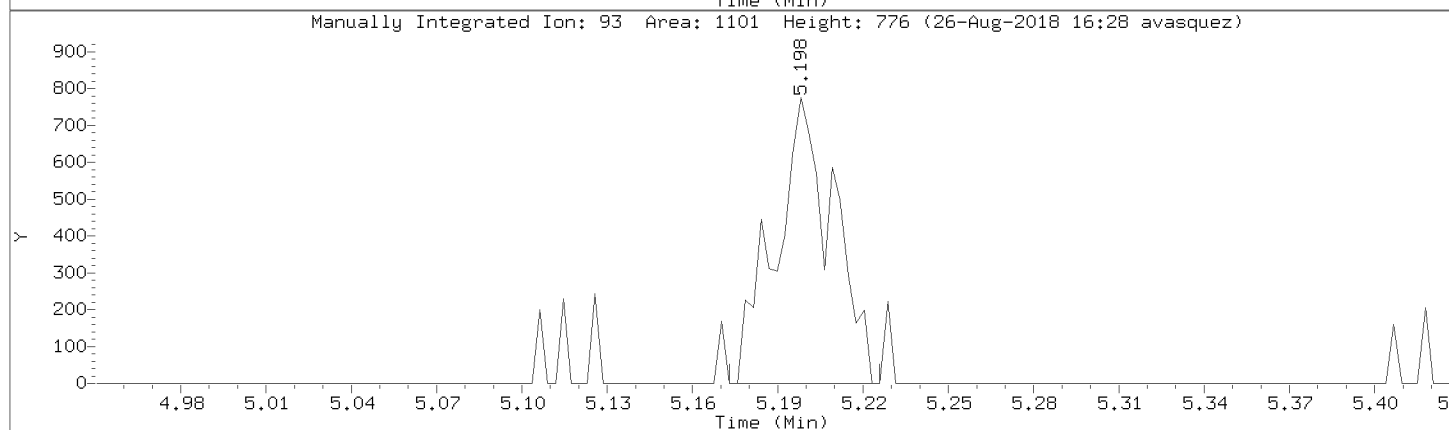
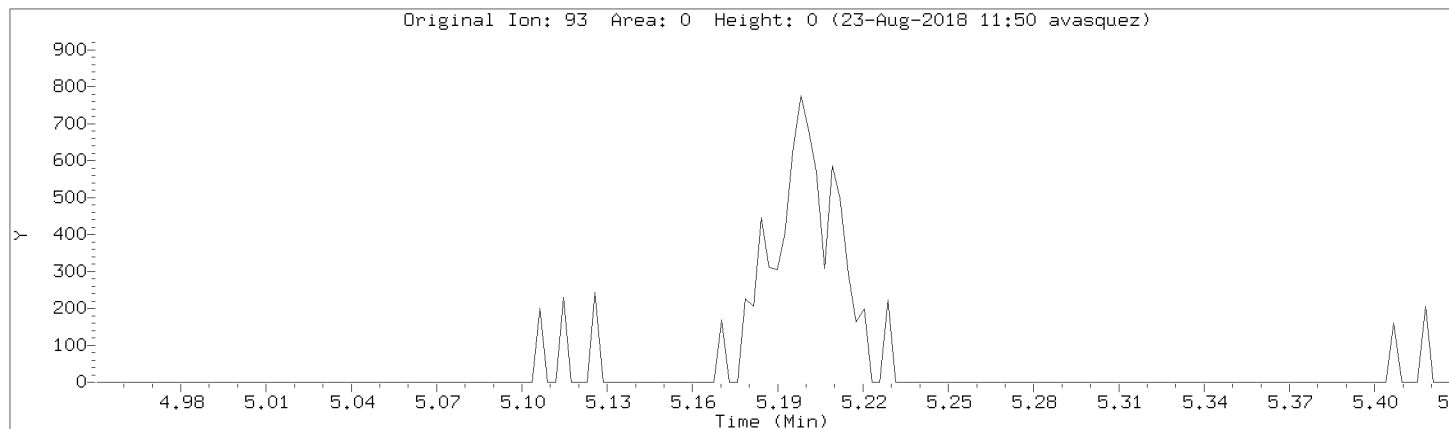


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

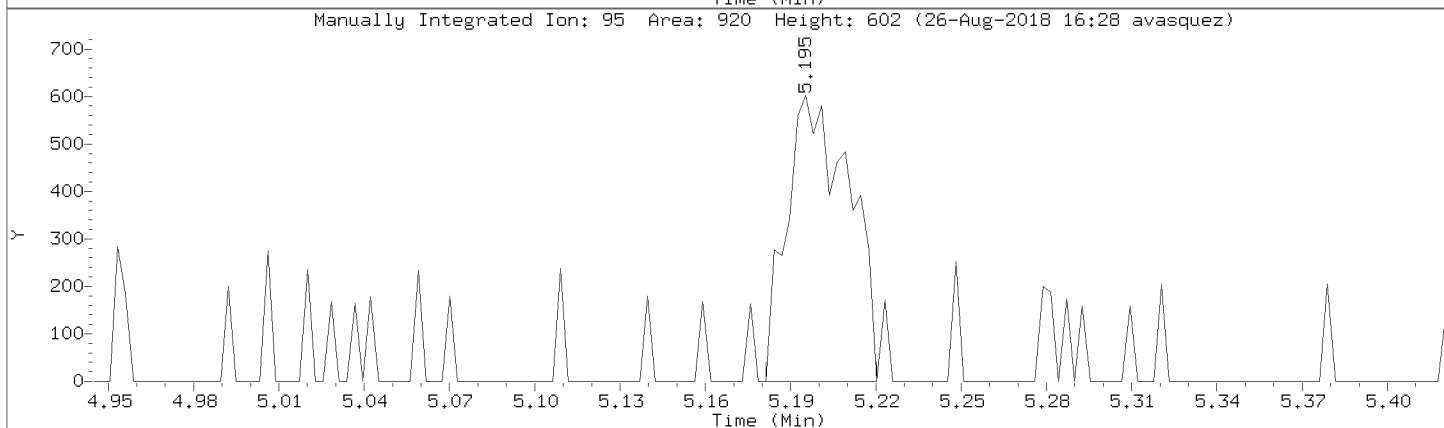
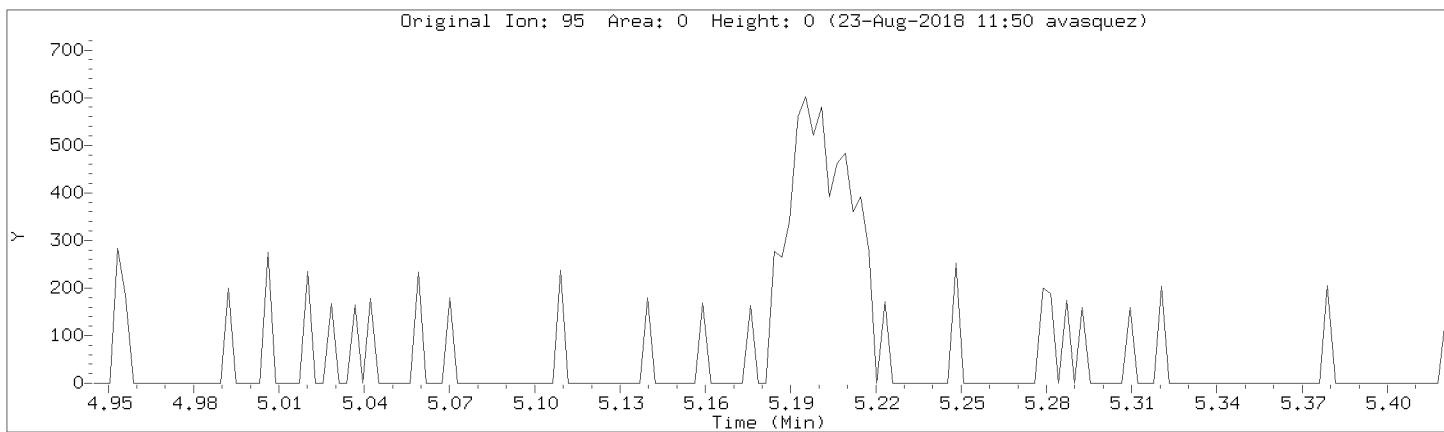


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: Dibromomethane Review Code: NI
CAS Number: 74-95-3



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 22-AUG-2018 14:52

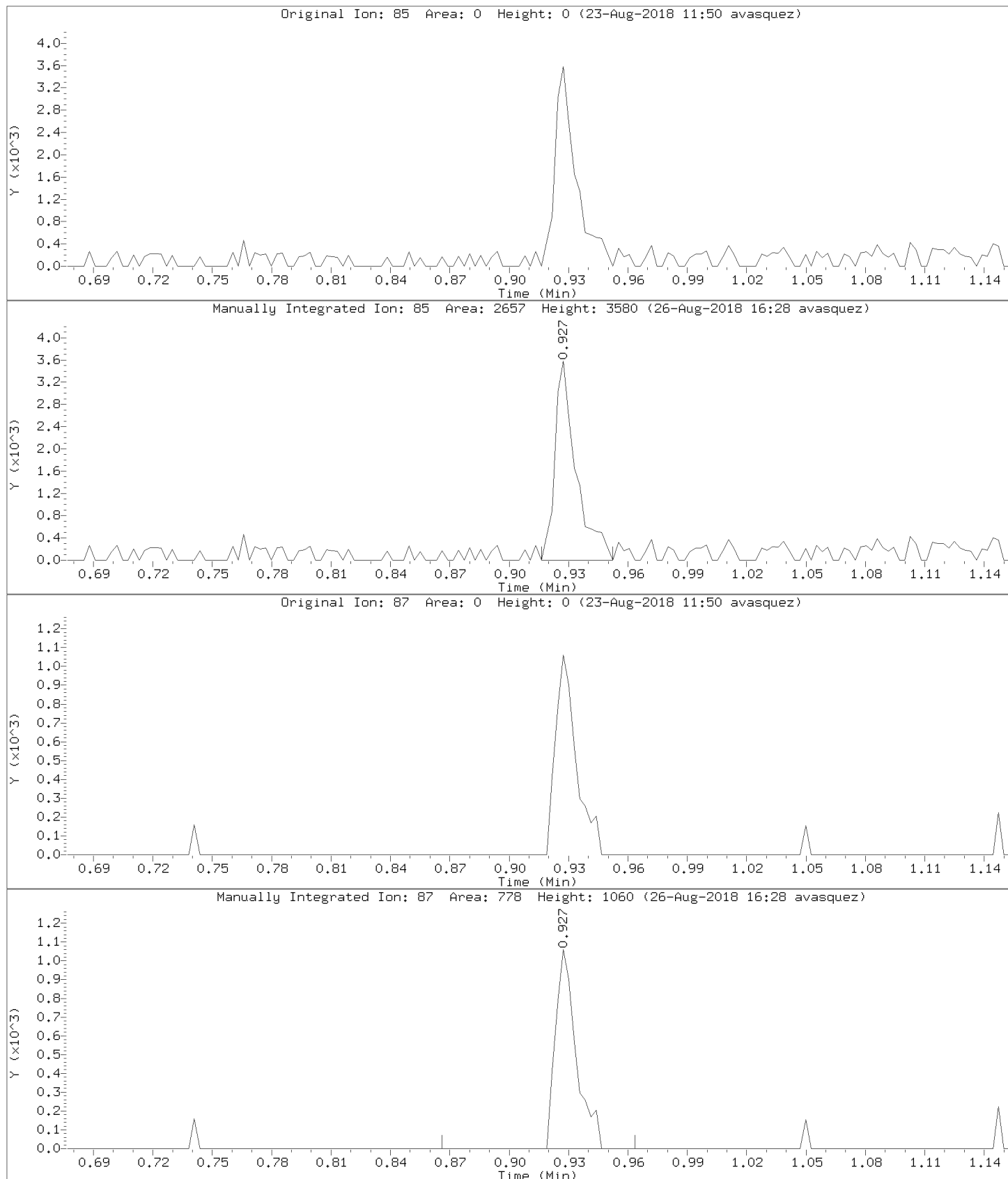
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

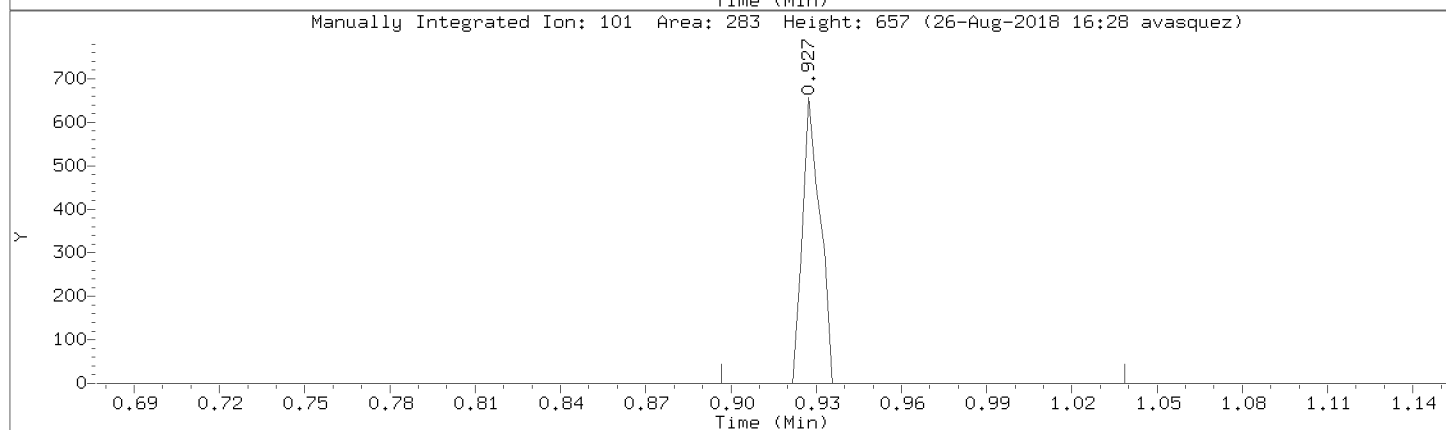
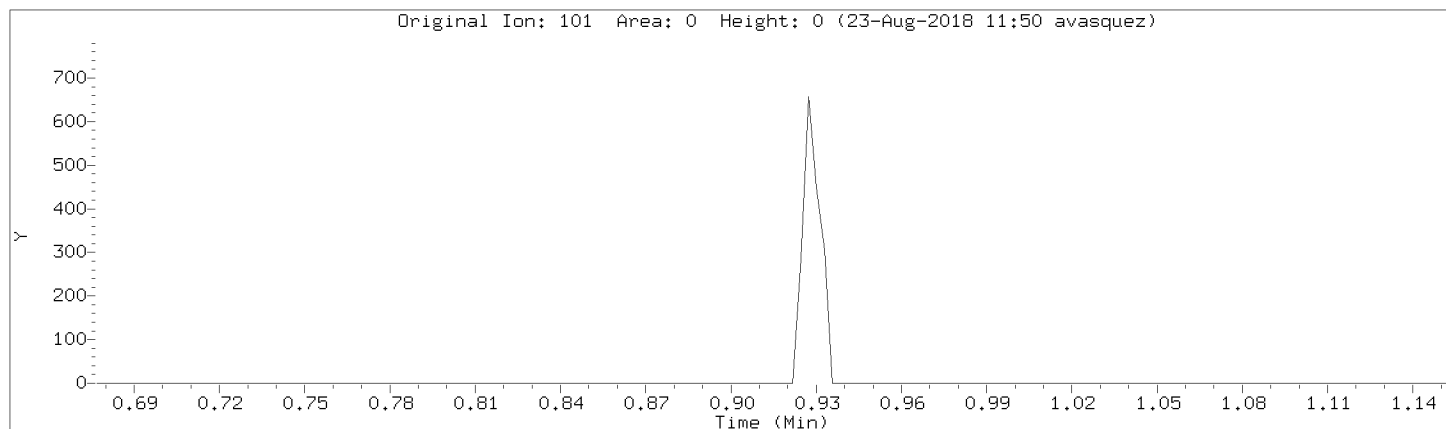
Compound: Dichlorodifluoromethane

Review Code: NI

CAS Number: 75-71-8

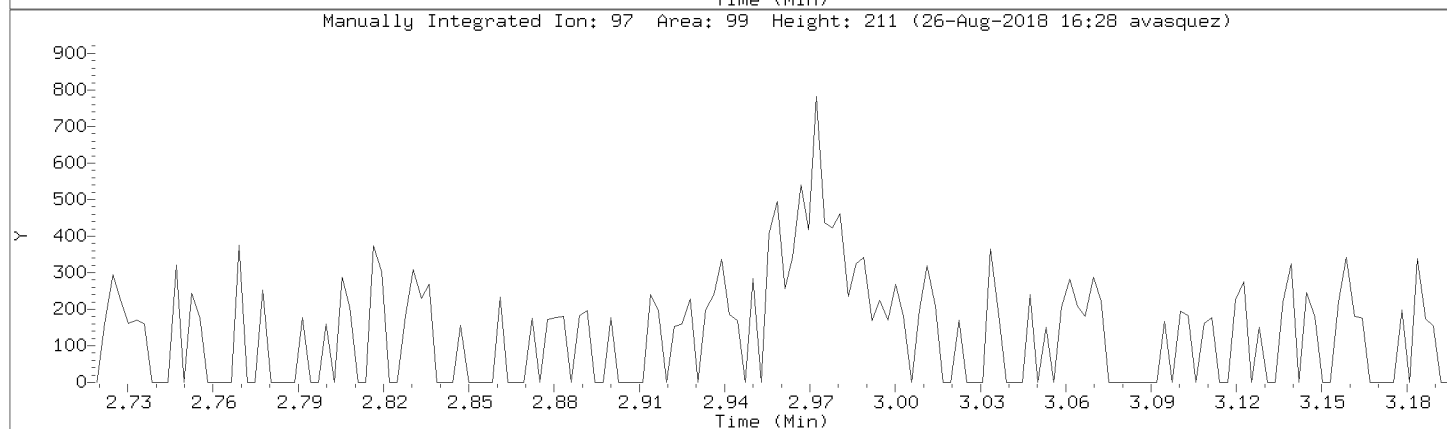
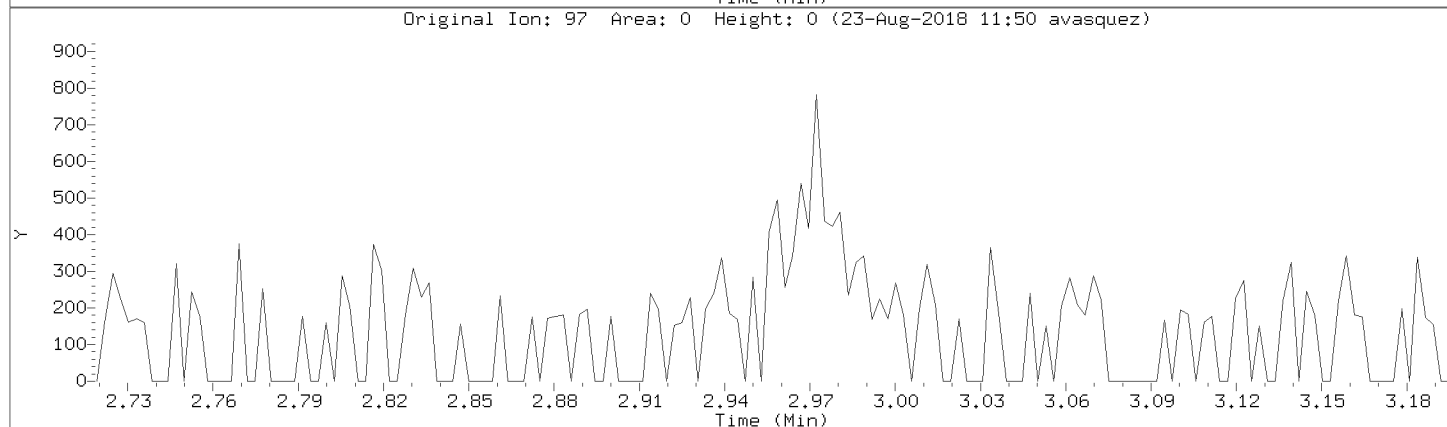
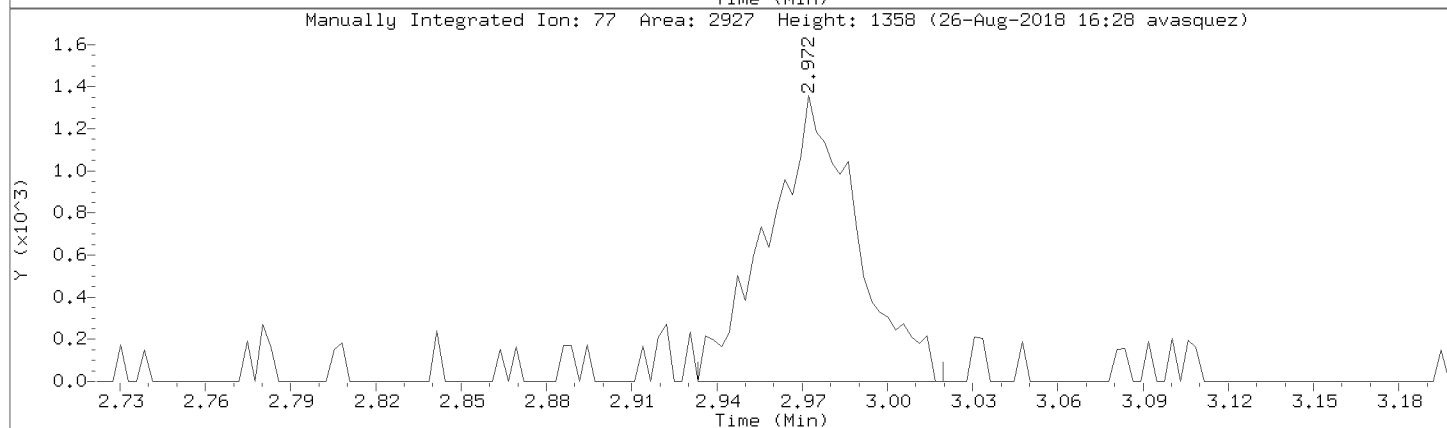
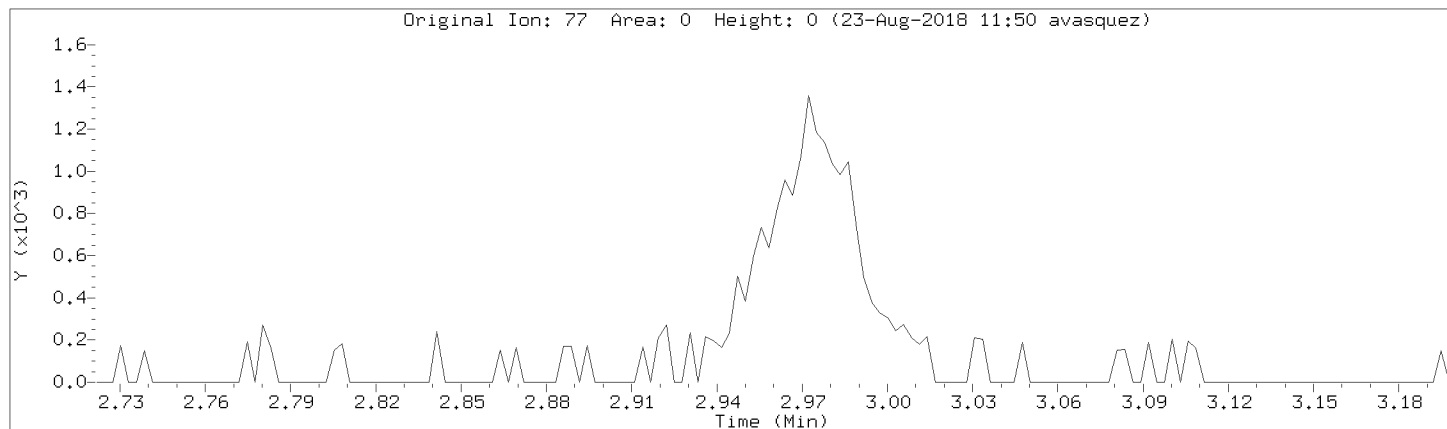


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: 2,2-Dichloropropane Review Code: WP
CAS Number: 594-20-7



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Injection Date: 22-AUG-2018 14:52

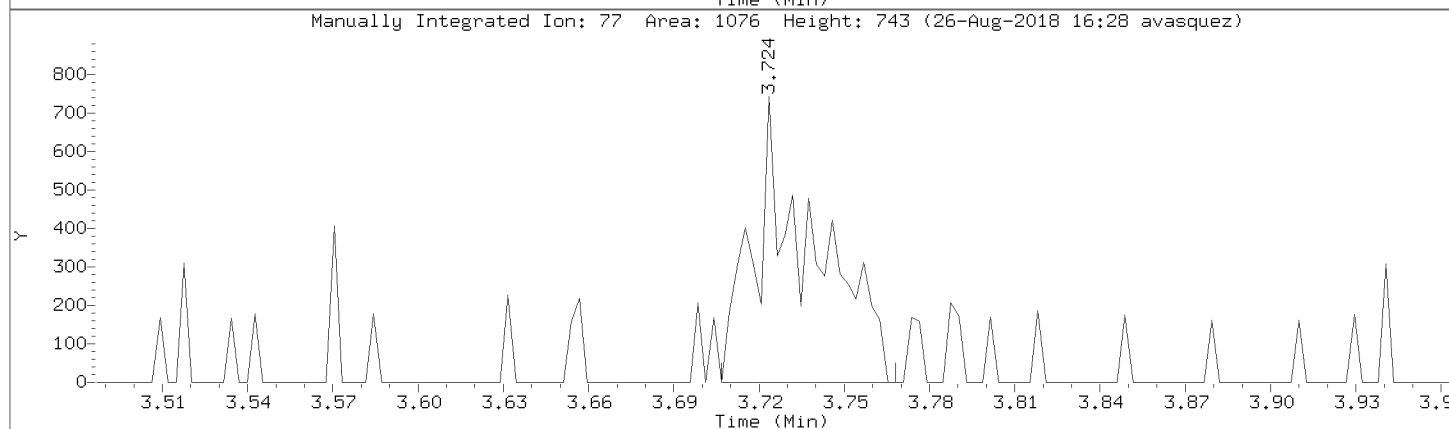
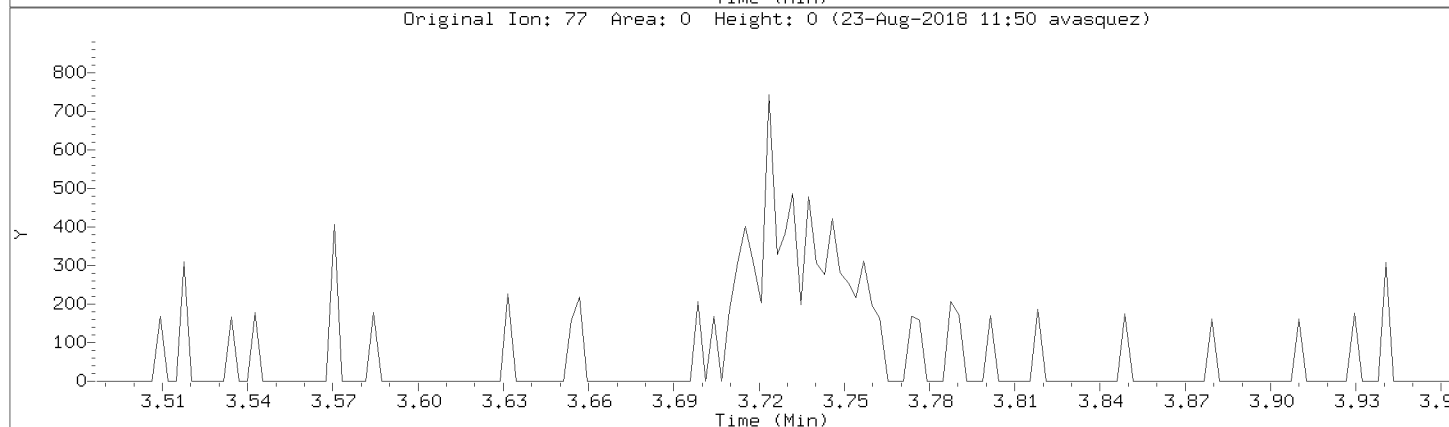
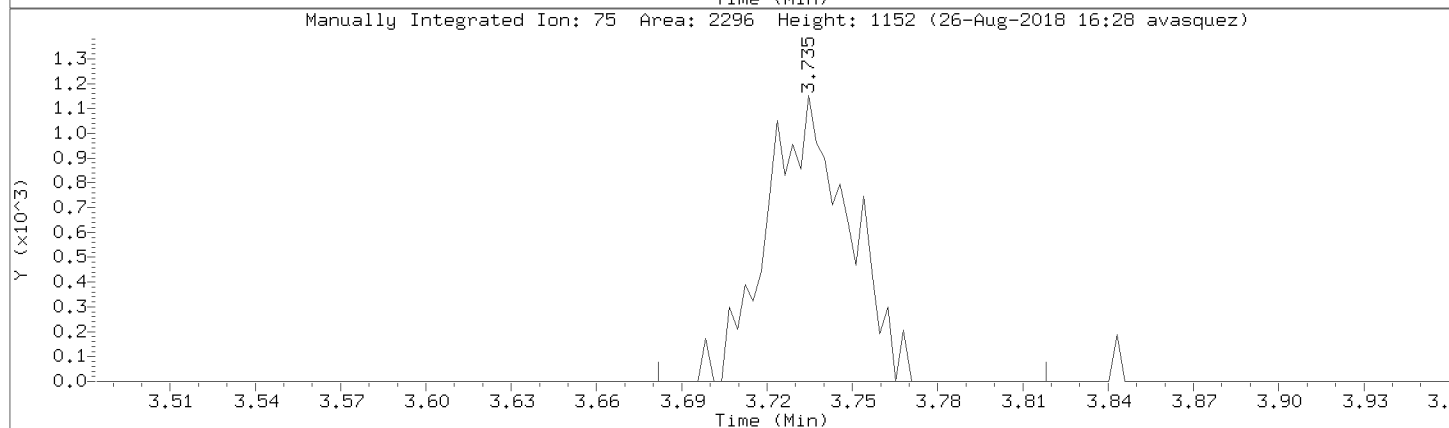
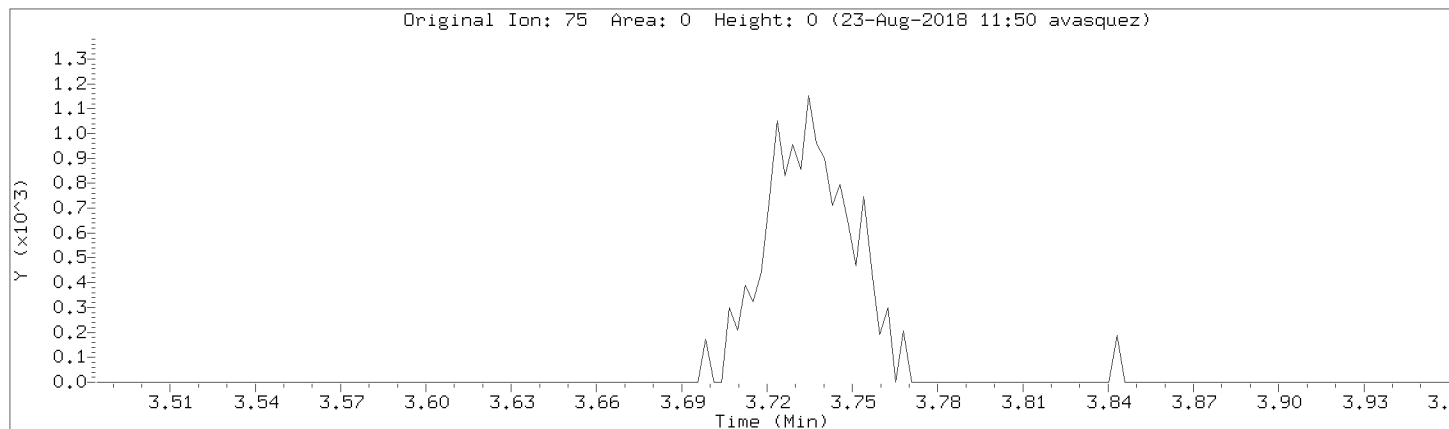
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: 1,1-Dichloropropene

Review Code: NI

CAS Number: 563-58-6

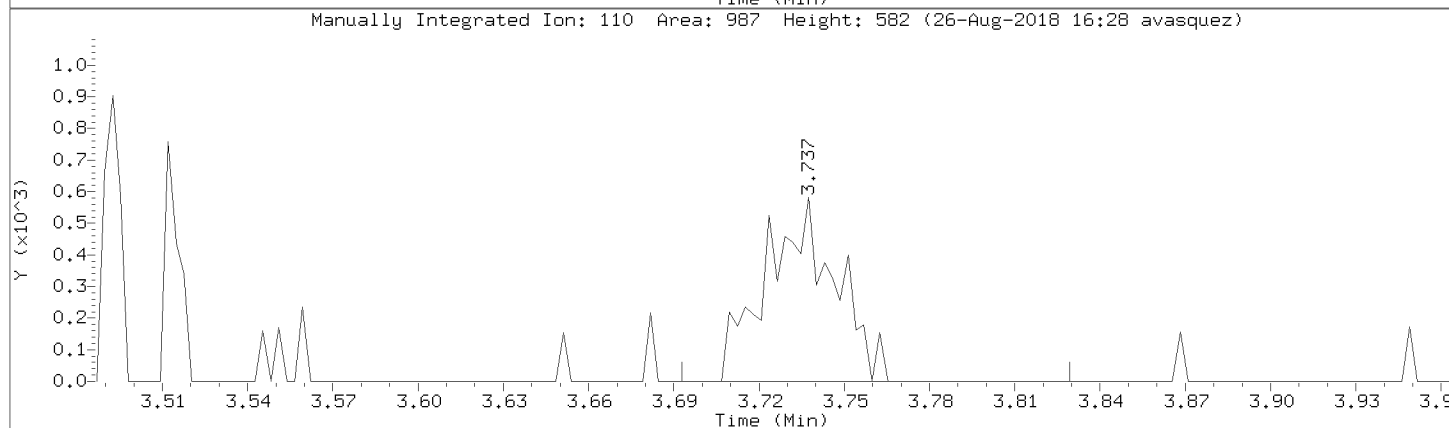
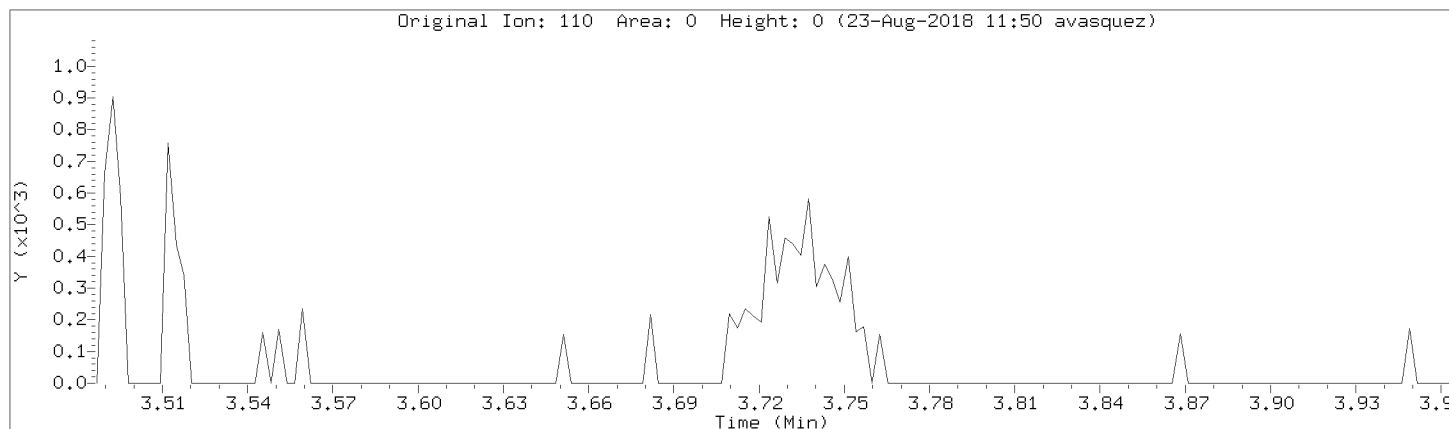


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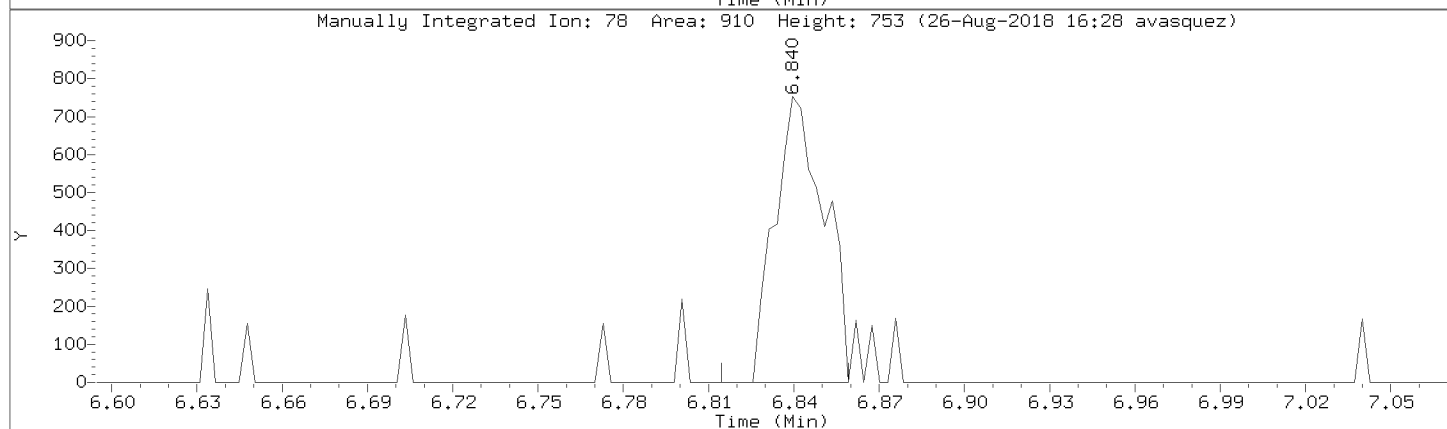
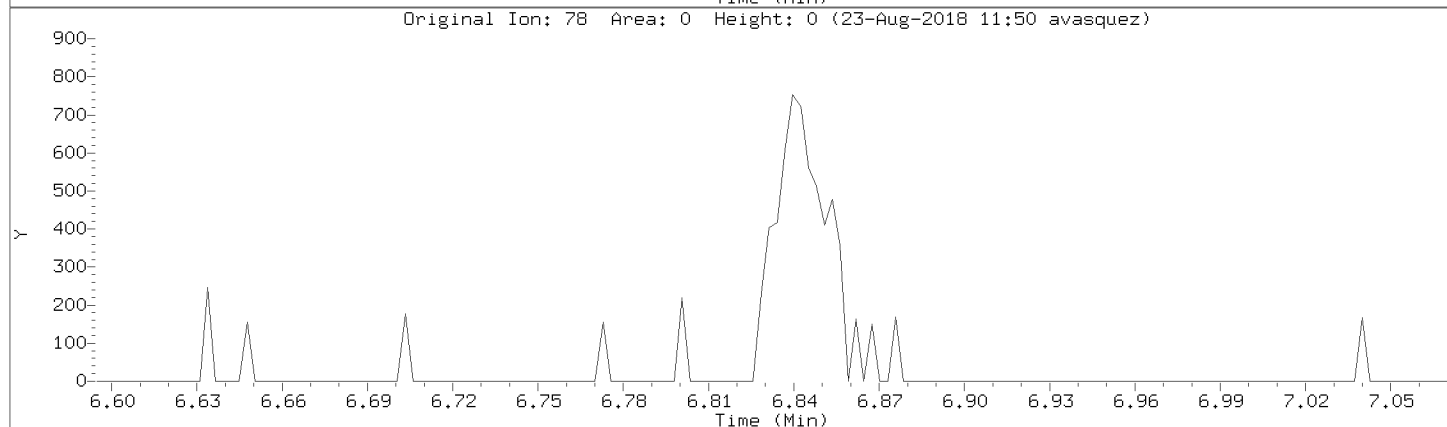
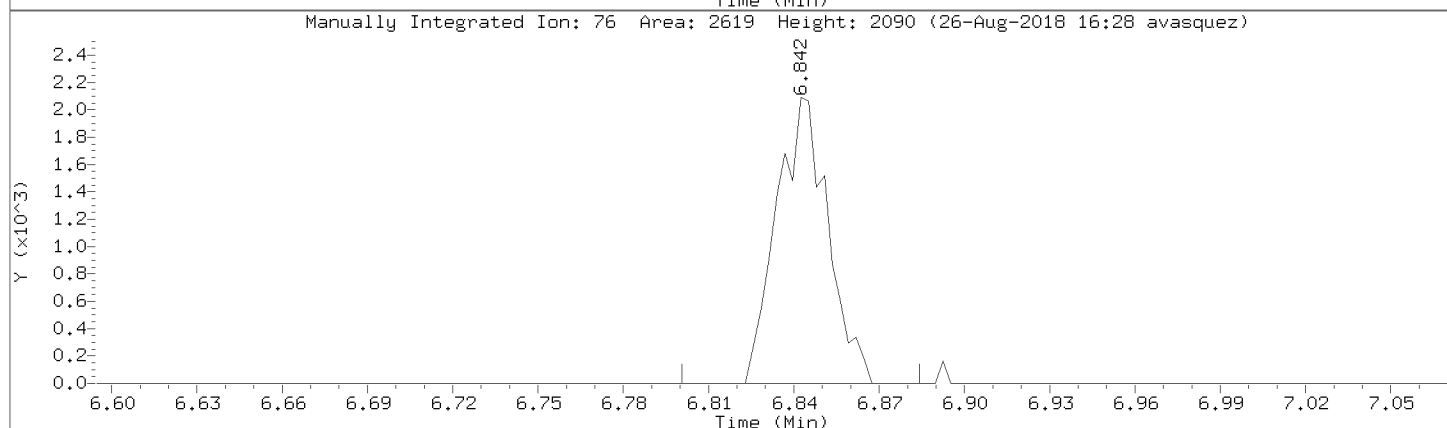
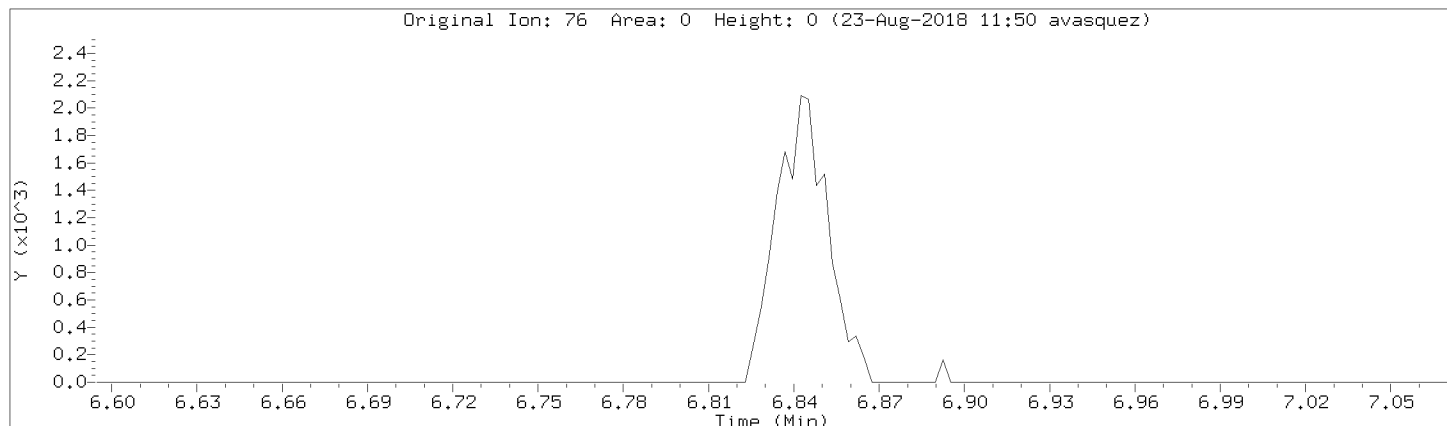
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2



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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: 1,3-Dichloropropane Review Code: NI
CAS Number: 142-28-9



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Injection Date: 22-AUG-2018 14:52

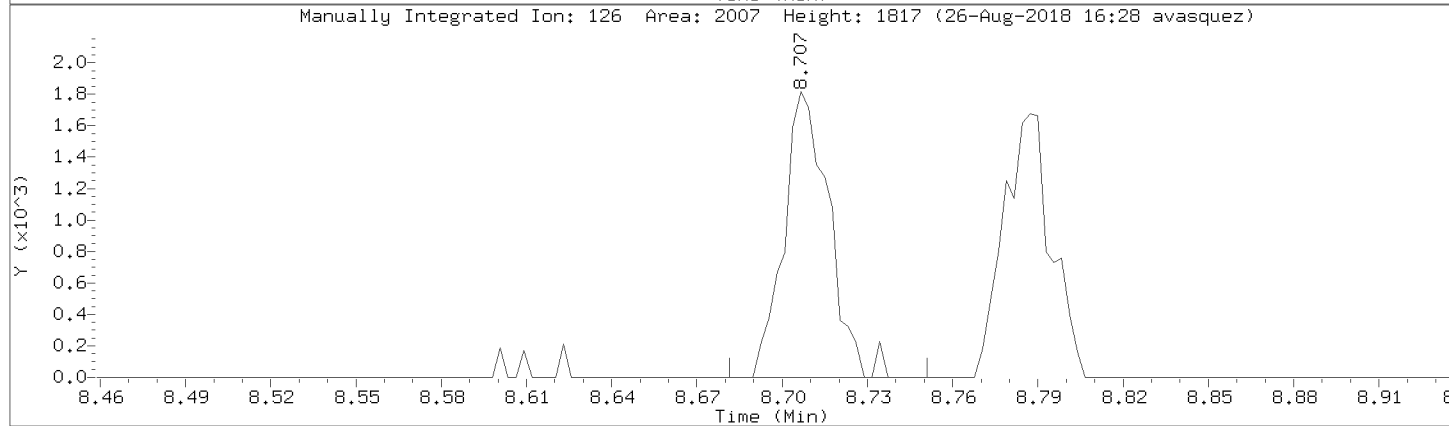
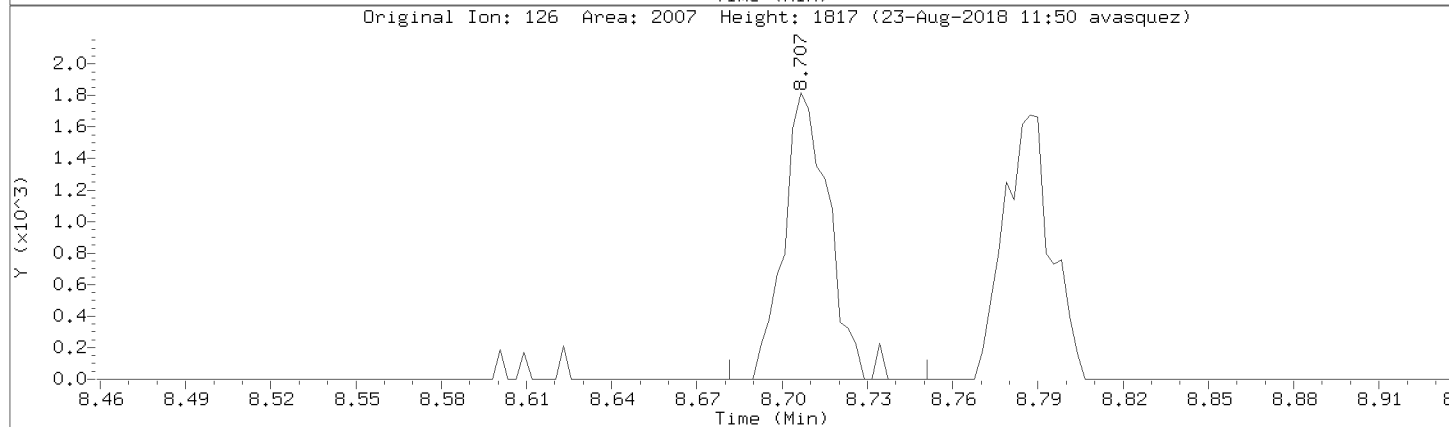
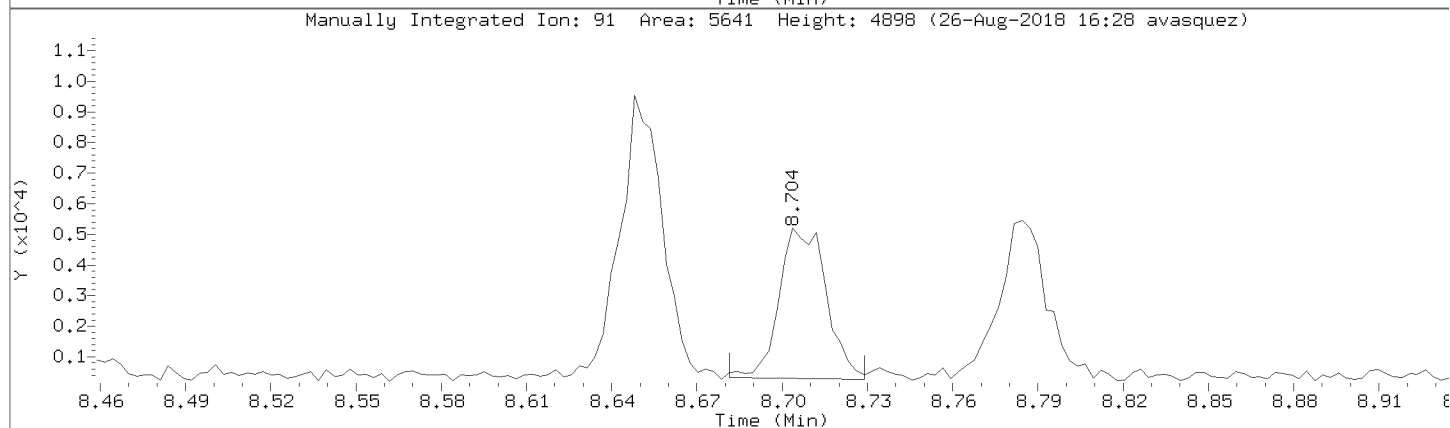
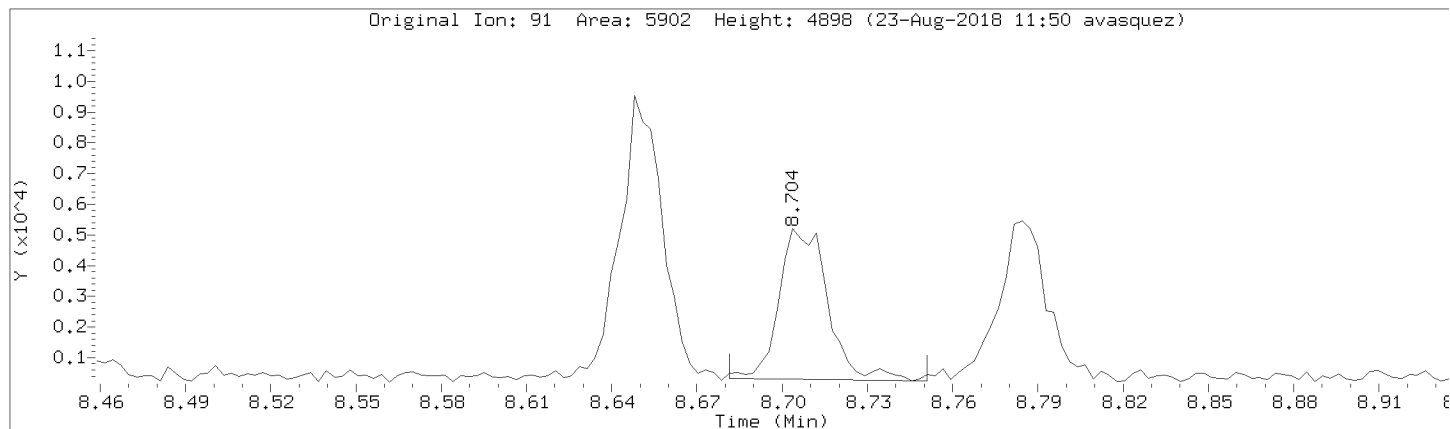
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: 2-Chlorotoluene

Review Code: GT

CAS Number: 95-49-8



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Injection Date: 22-AUG-2018 14:52

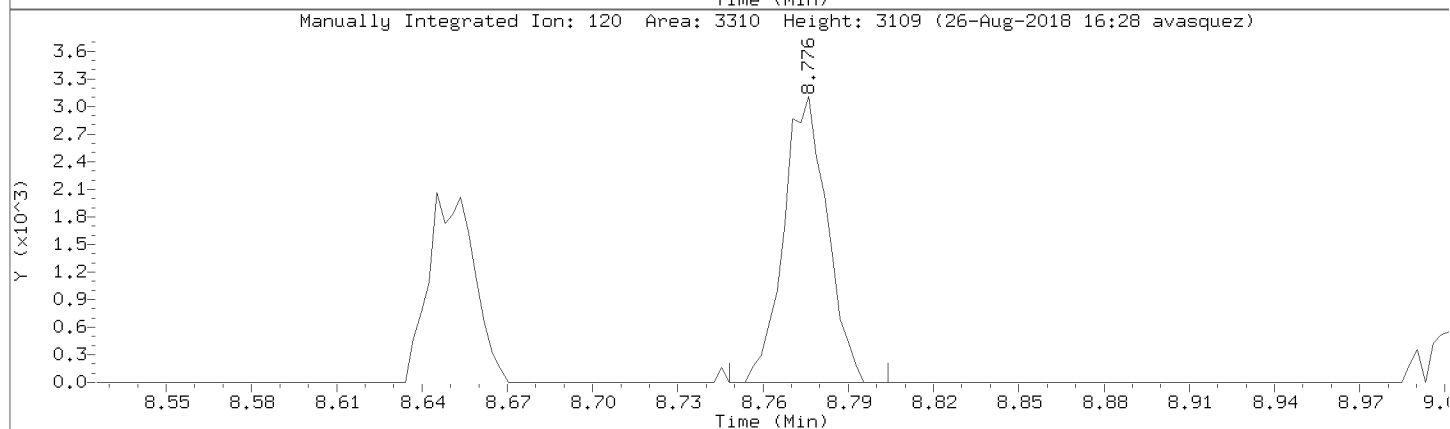
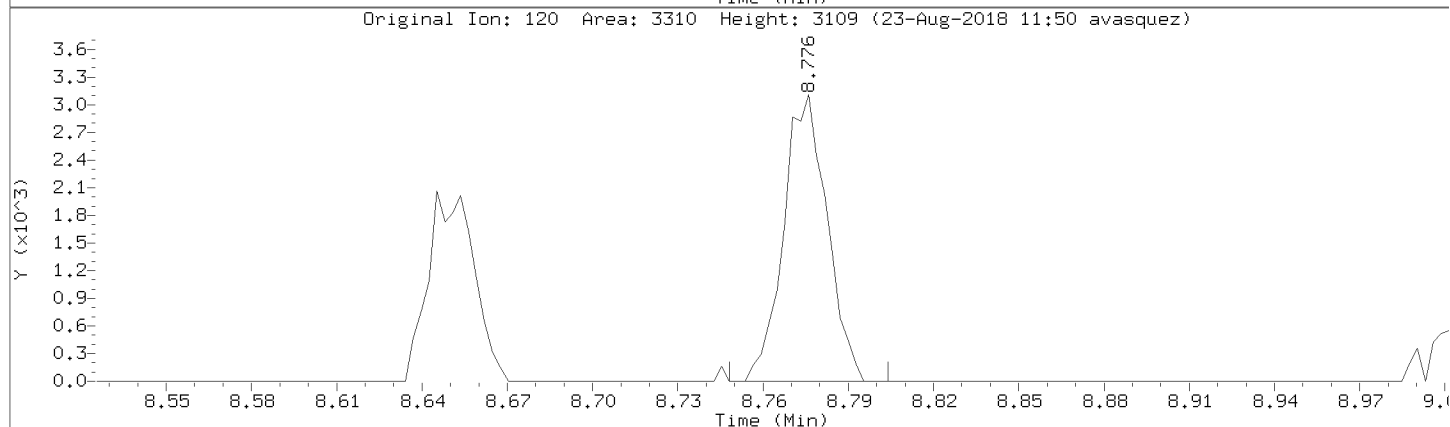
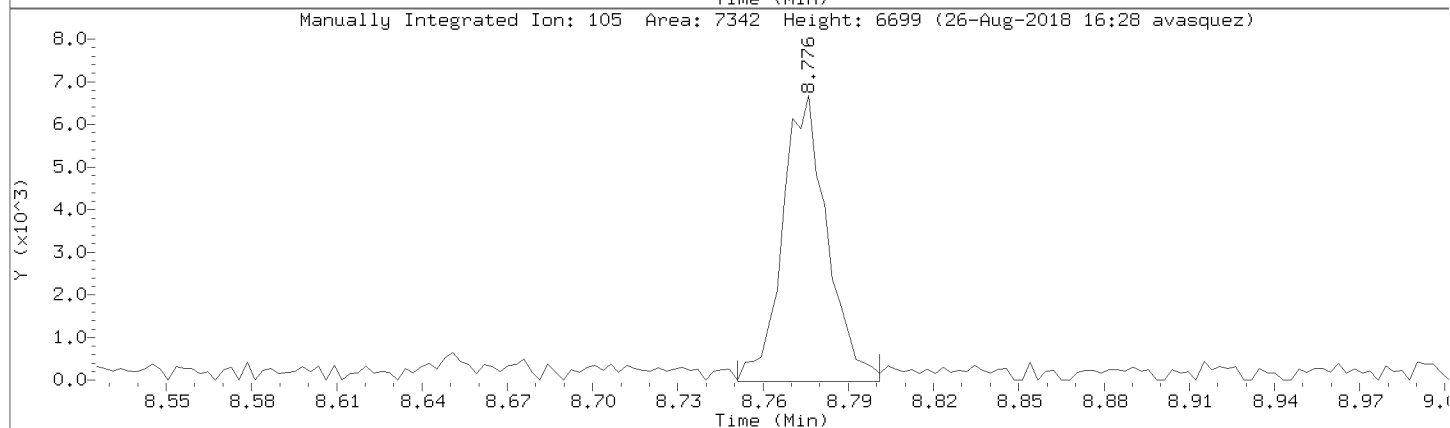
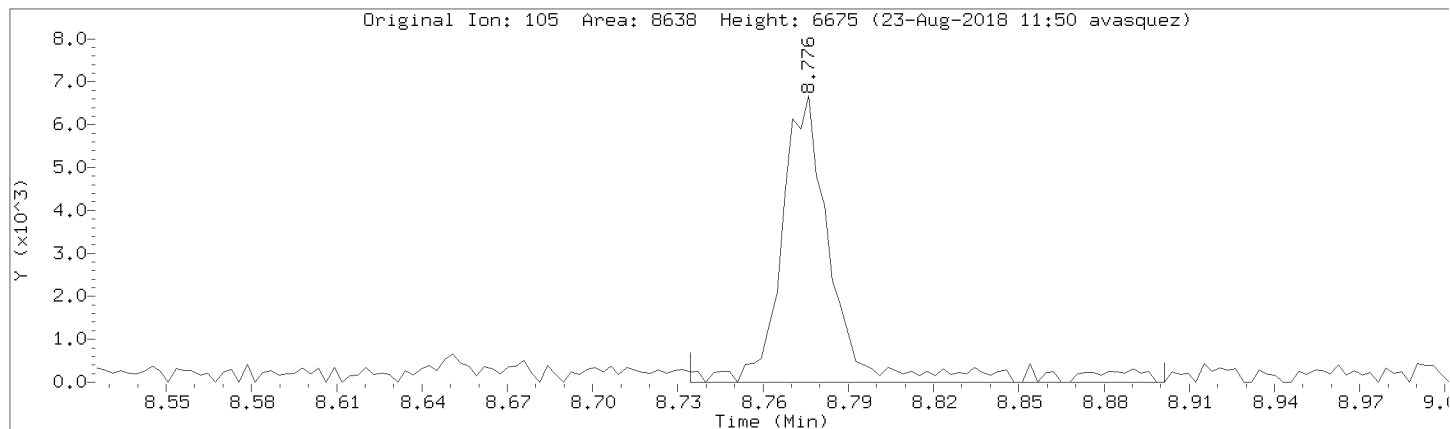
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: 1,3,5-Trimethylbenzene

Review Code: GT

CAS Number: 108-67-8



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Injection Date: 22-AUG-2018 14:52

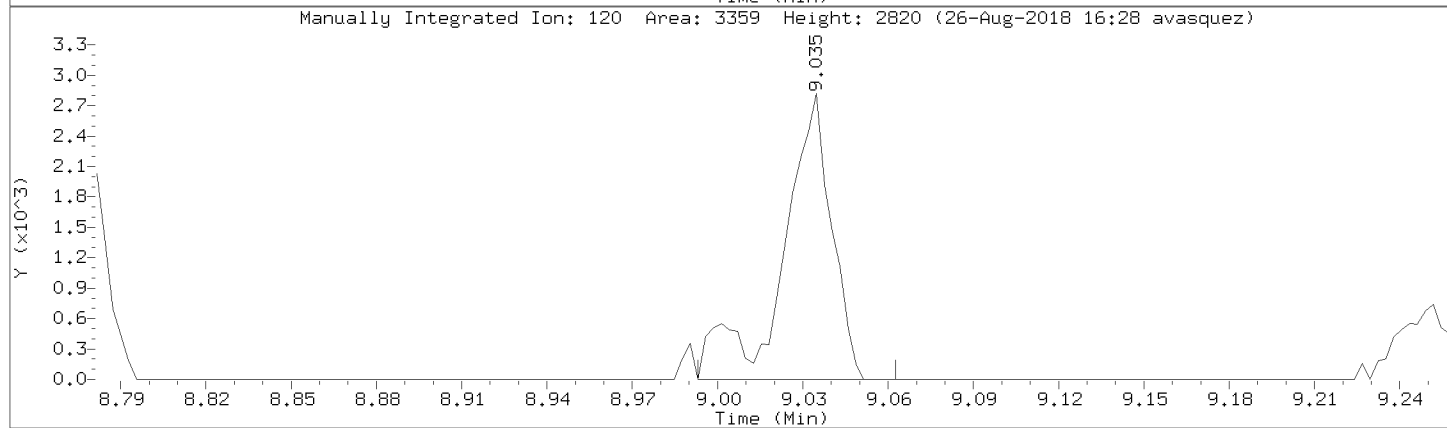
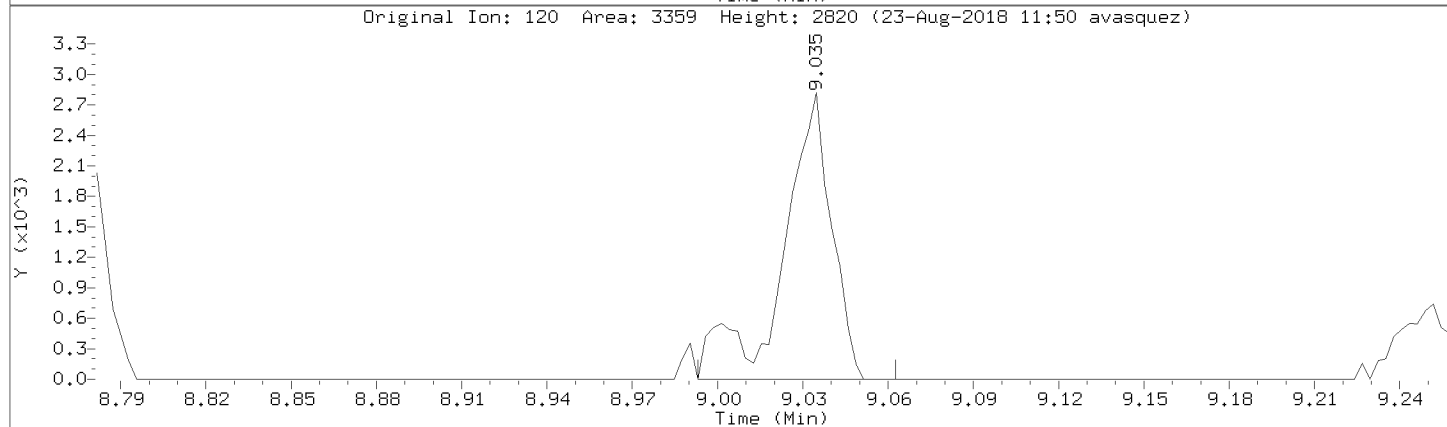
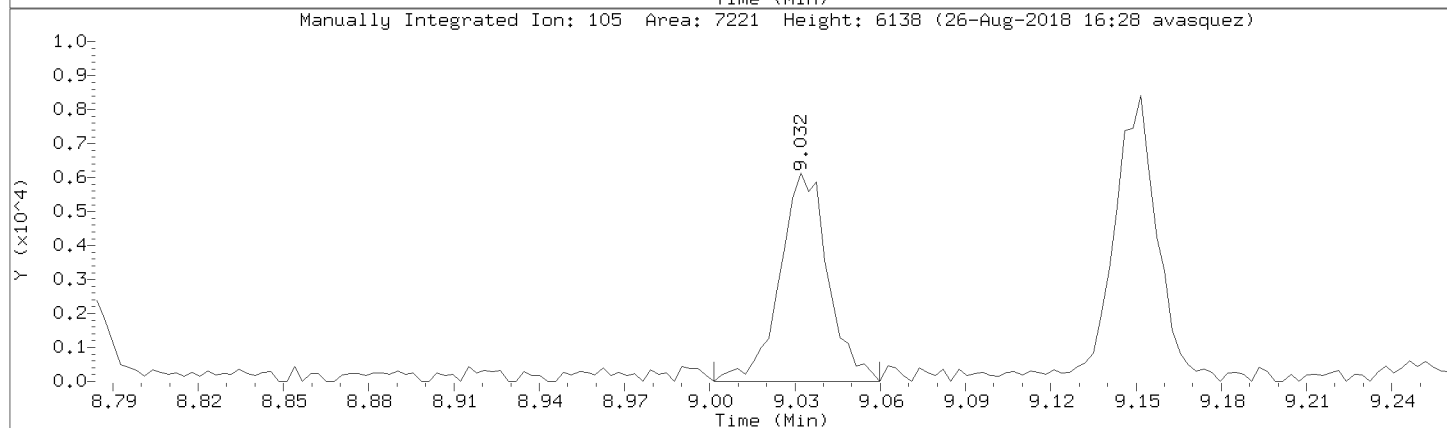
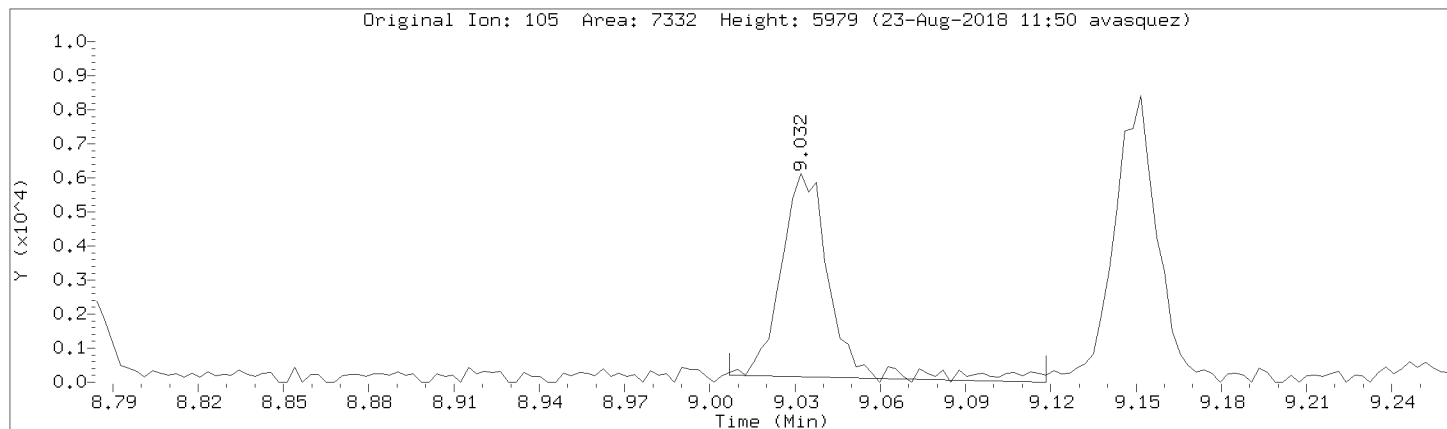
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: 1,2,4-Trimethylbenzene

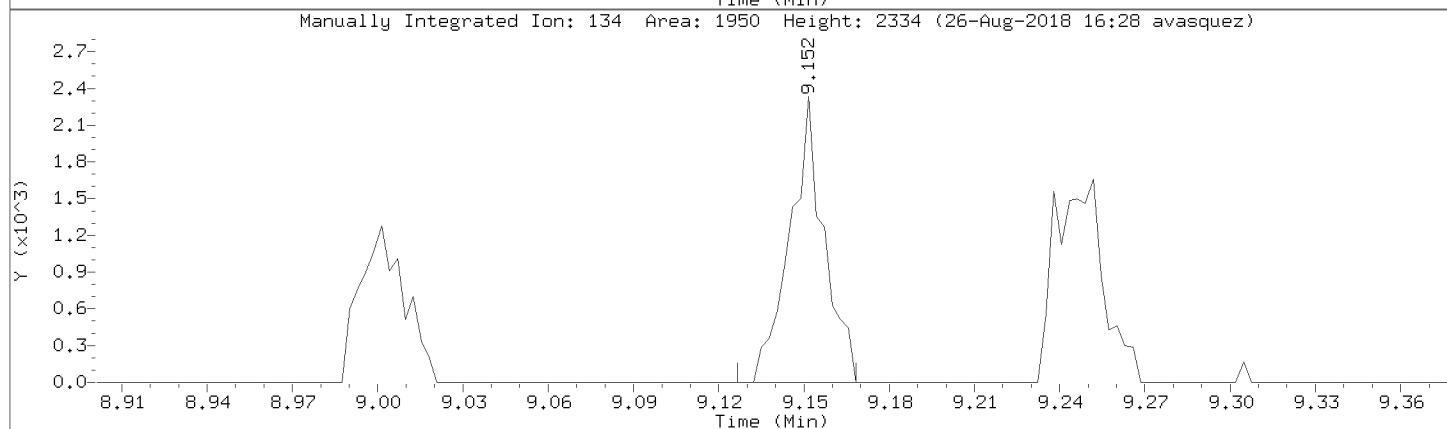
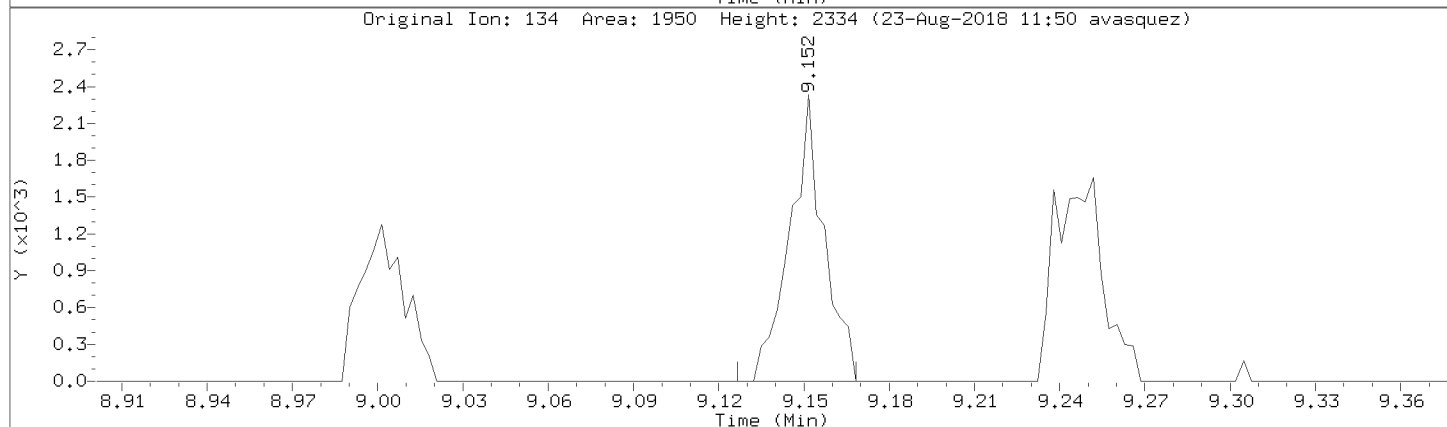
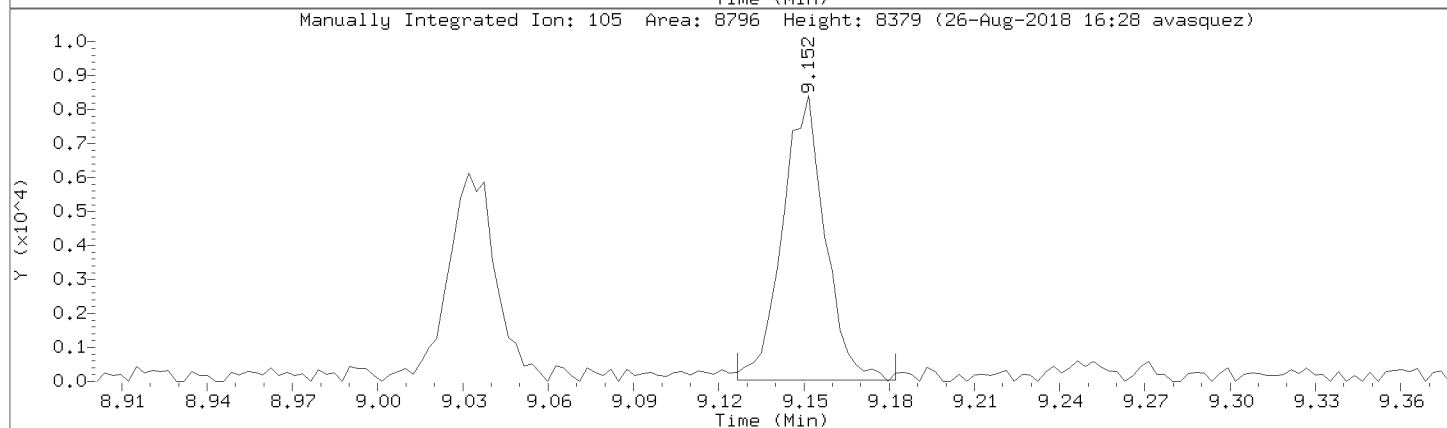
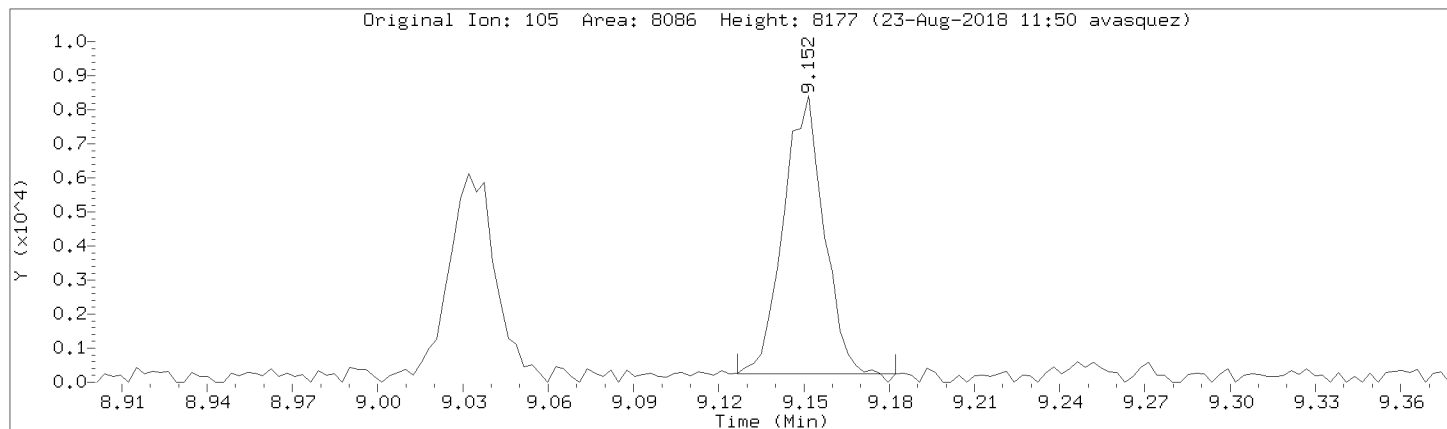
Review Code: GT

CAS Number: 95-63-6



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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: sec-Butylbenzene Review Code: BA
CAS Number: 135-98-8



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Injection Date: 22-AUG-2018 14:52

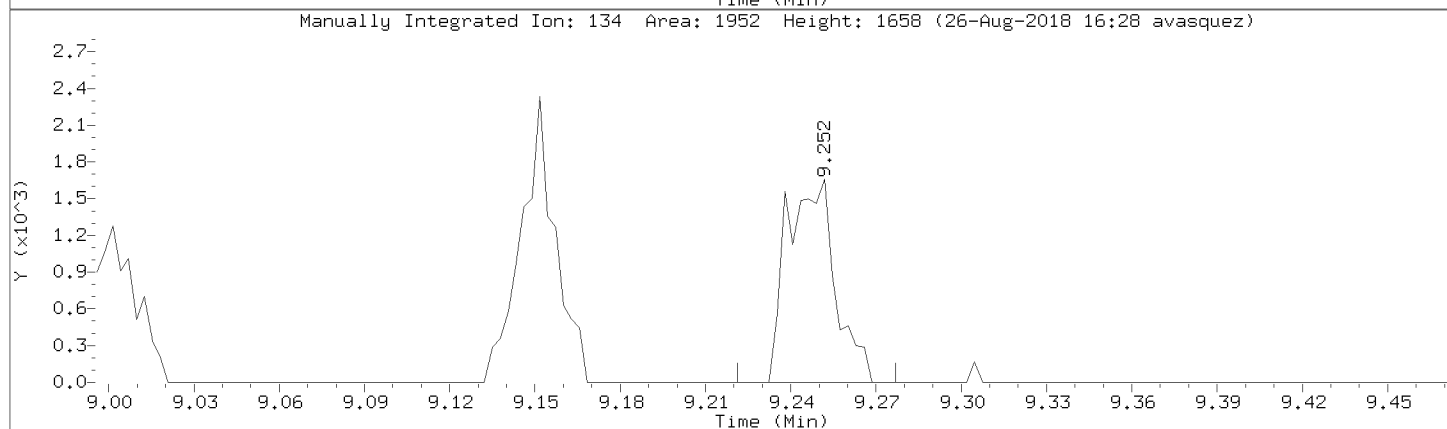
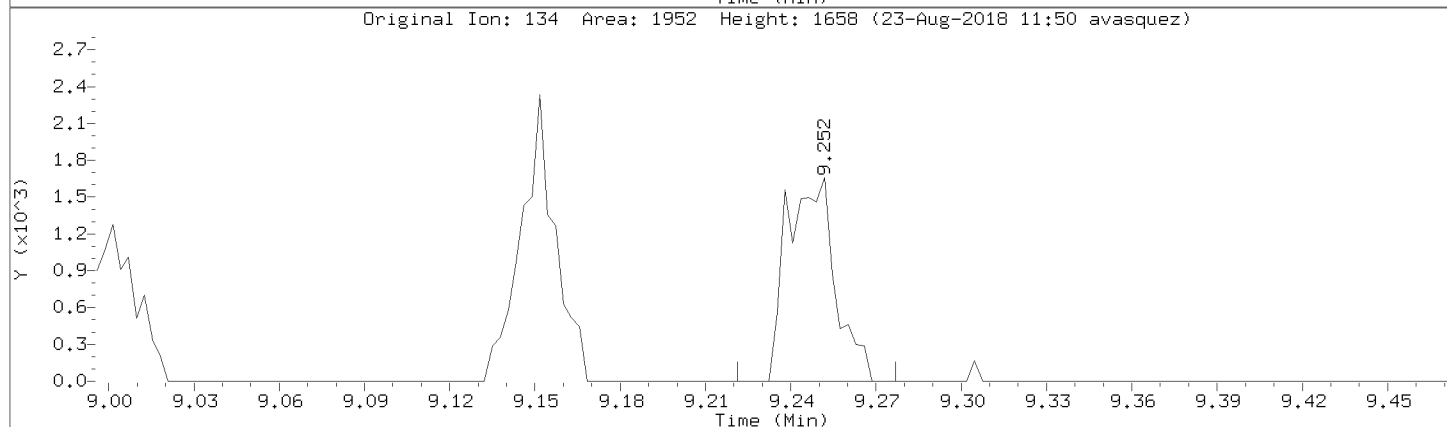
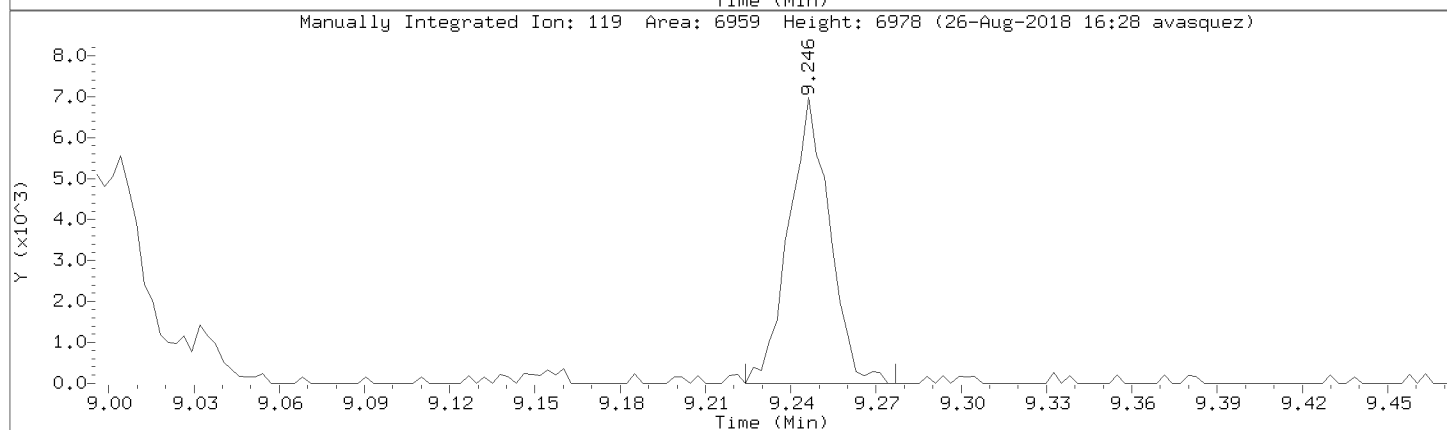
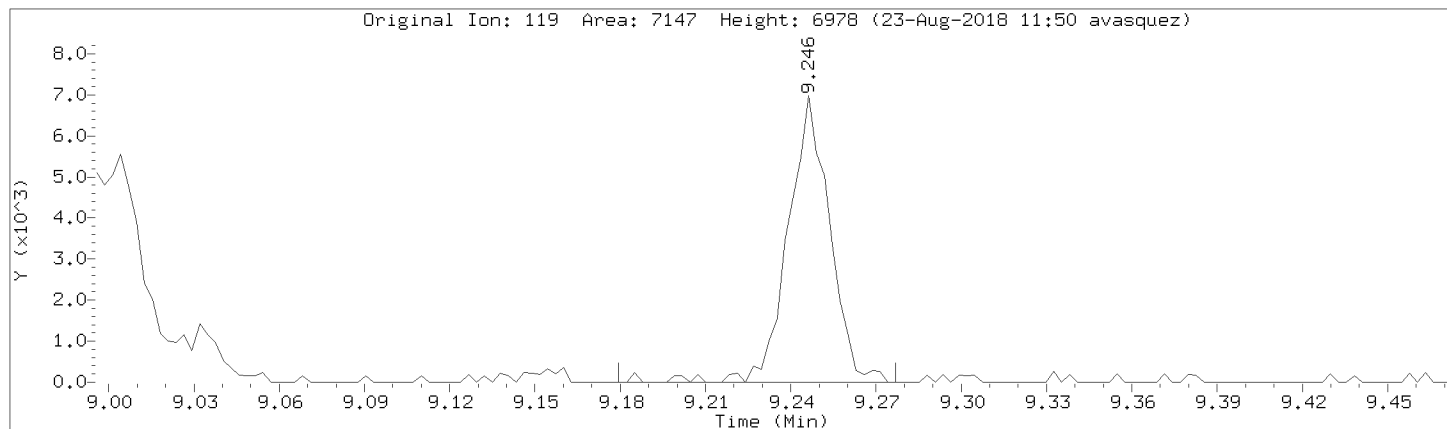
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

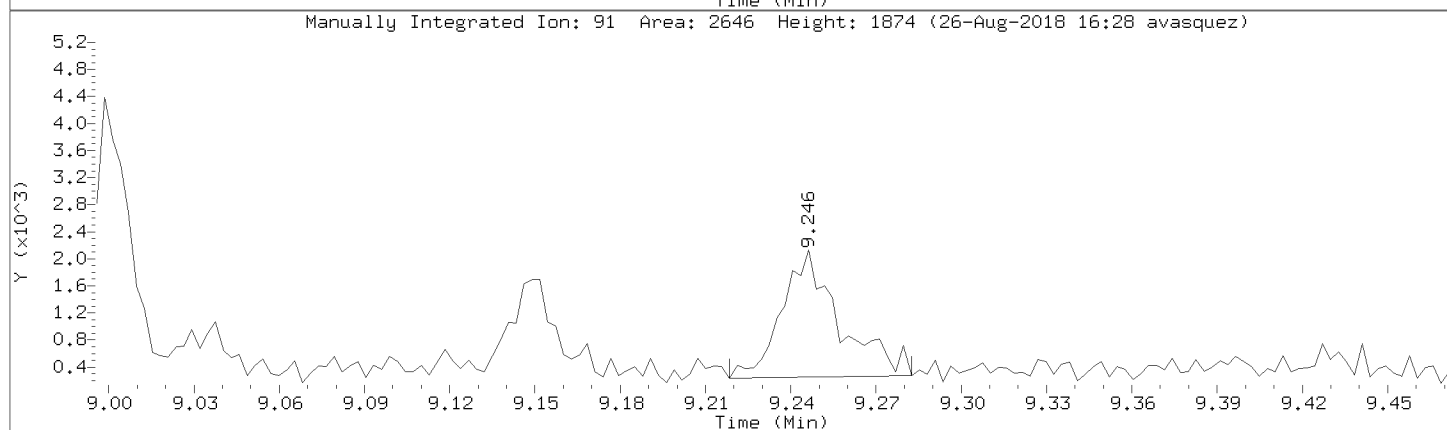
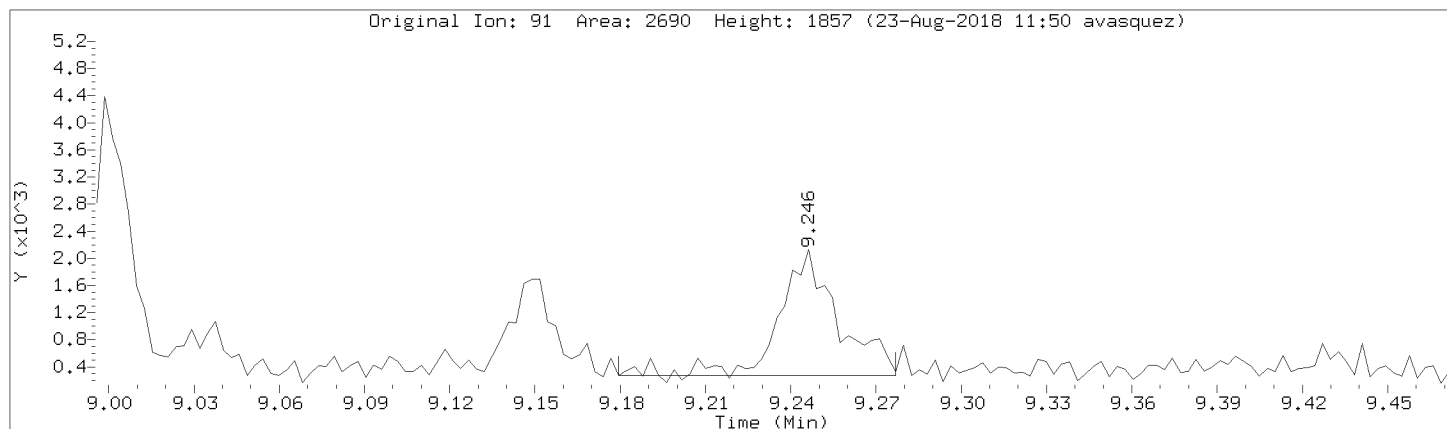
Compound: p-Isopropyltoluene

Review Code: GT

CAS Number: 99-87-6



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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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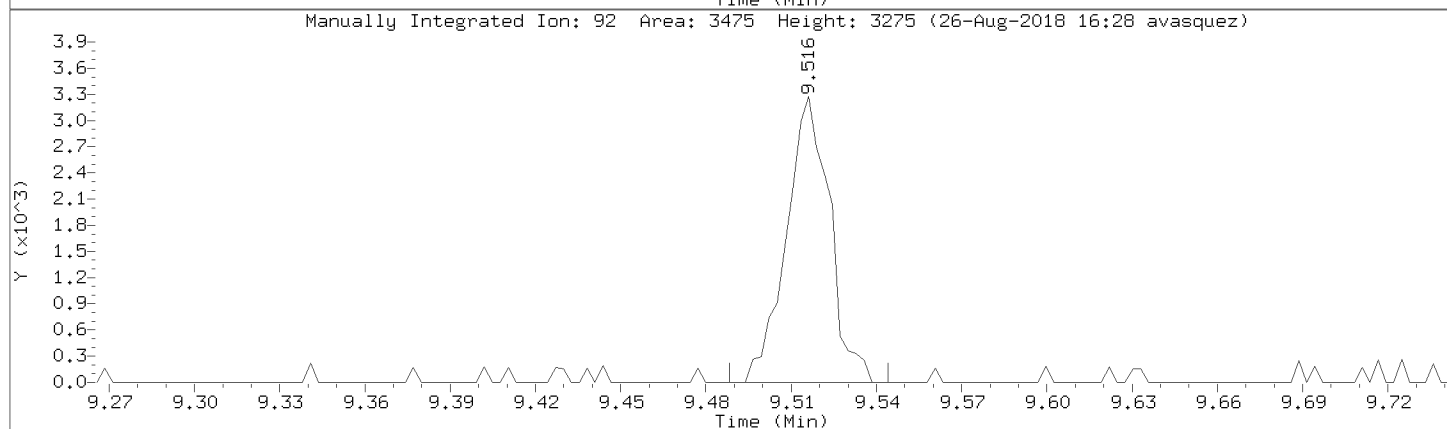
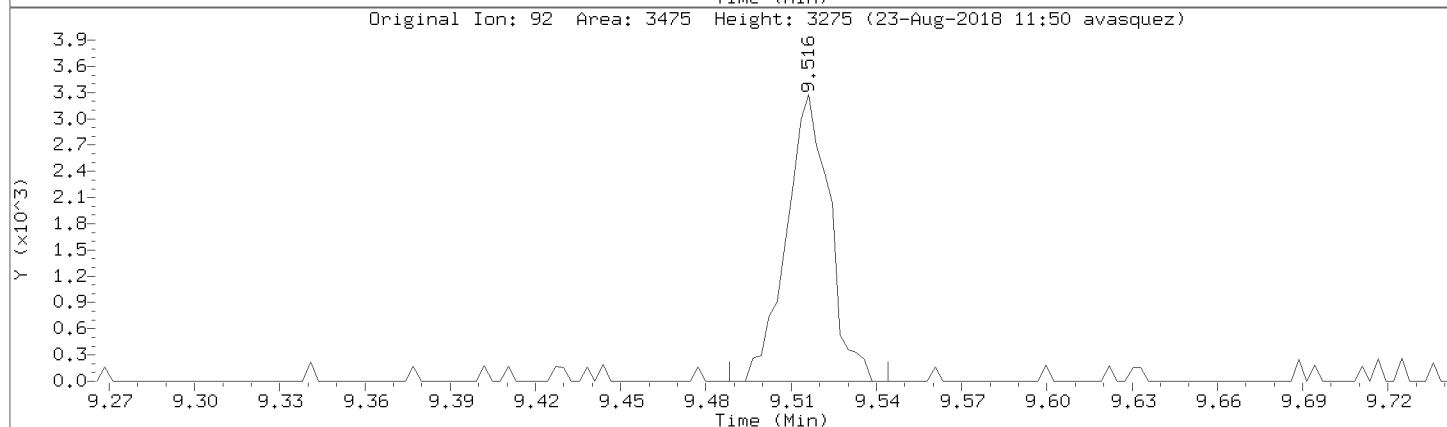
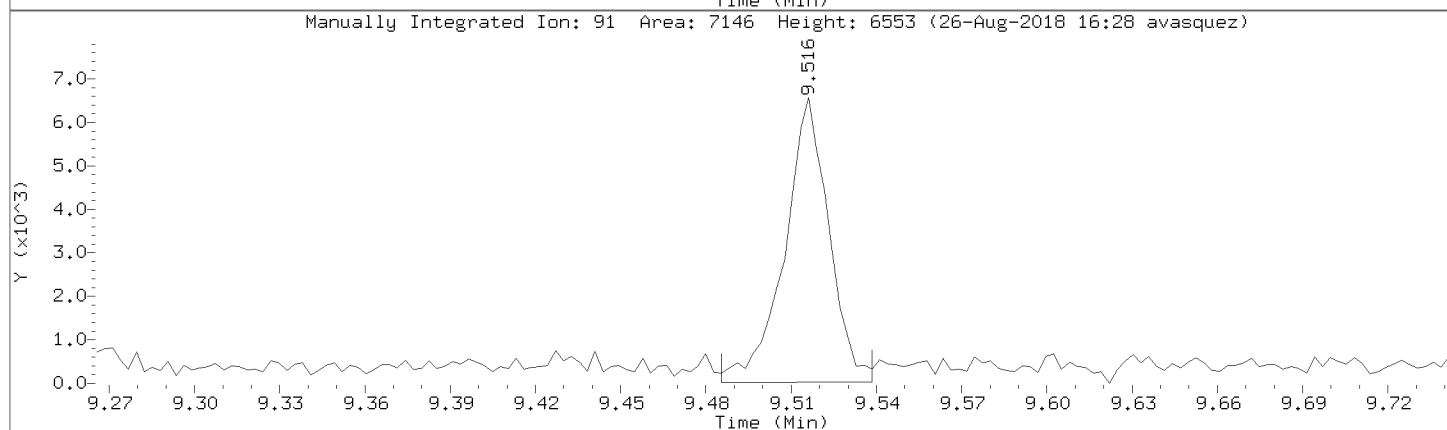
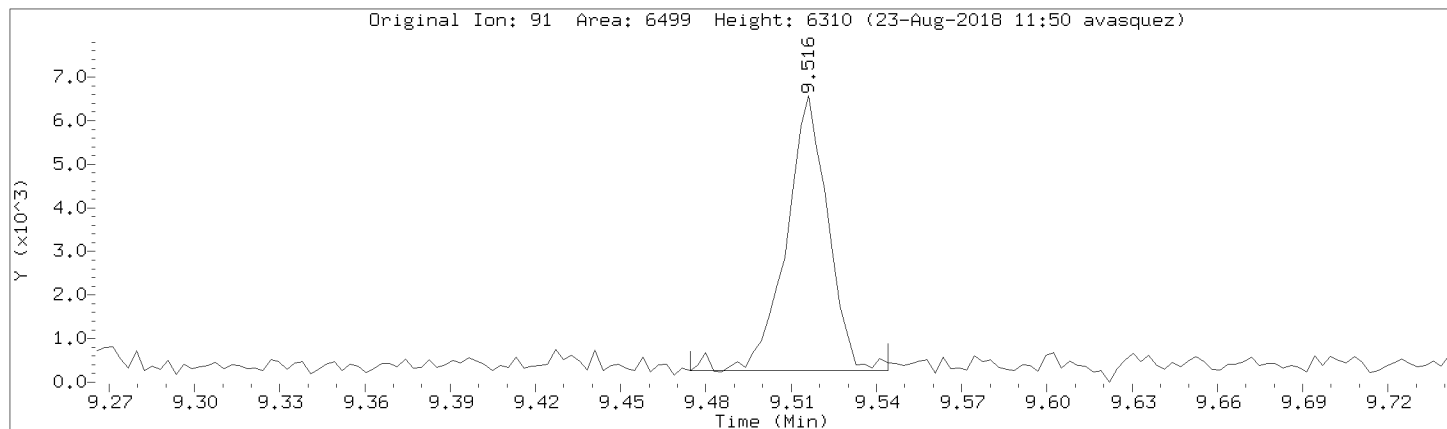
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

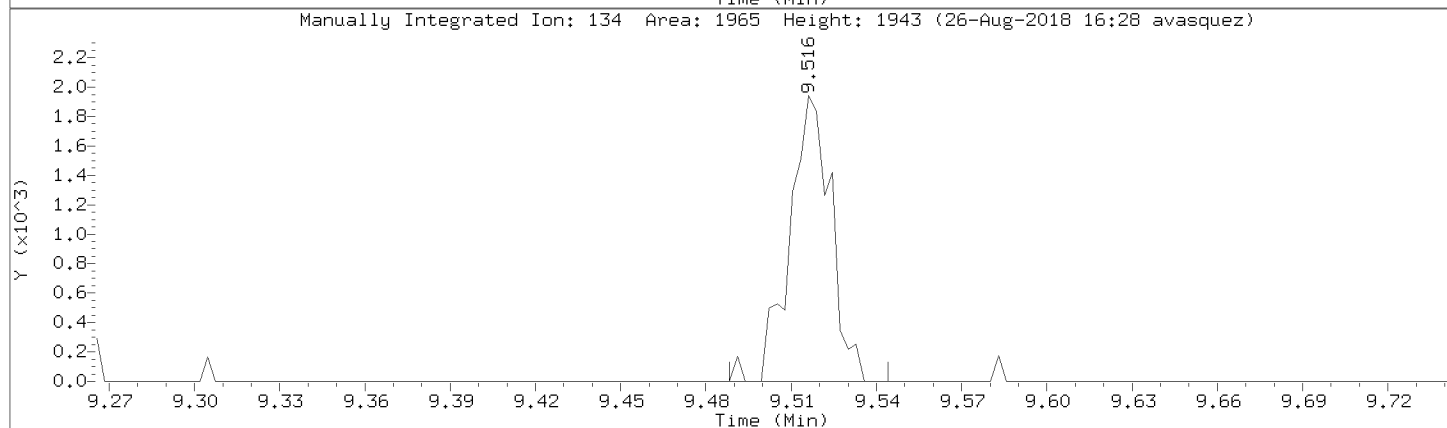
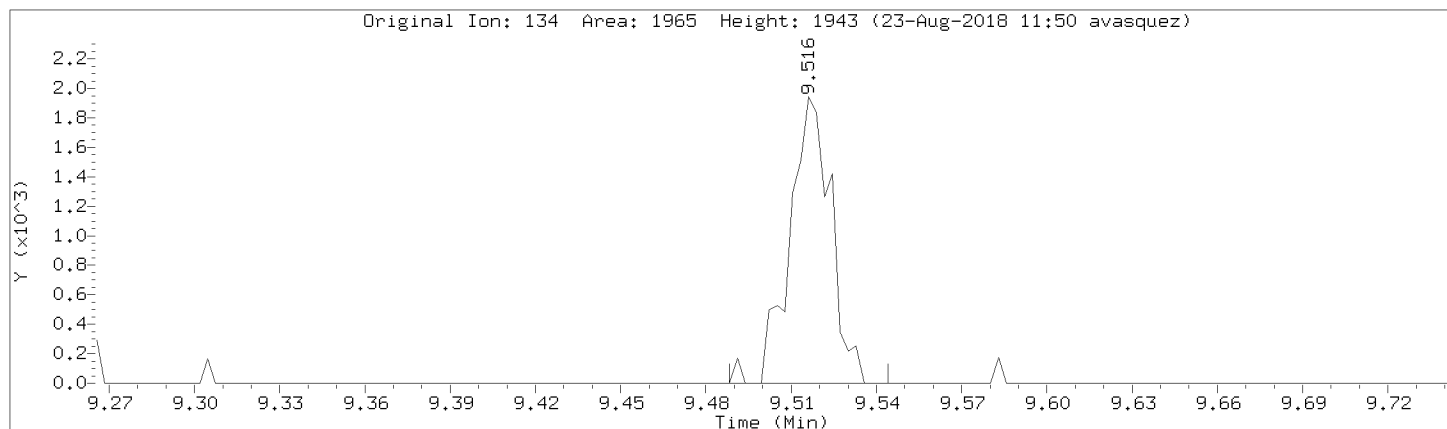
Compound: n-Butylbenzene

Review Code: NI

CAS Number: 104-51-8

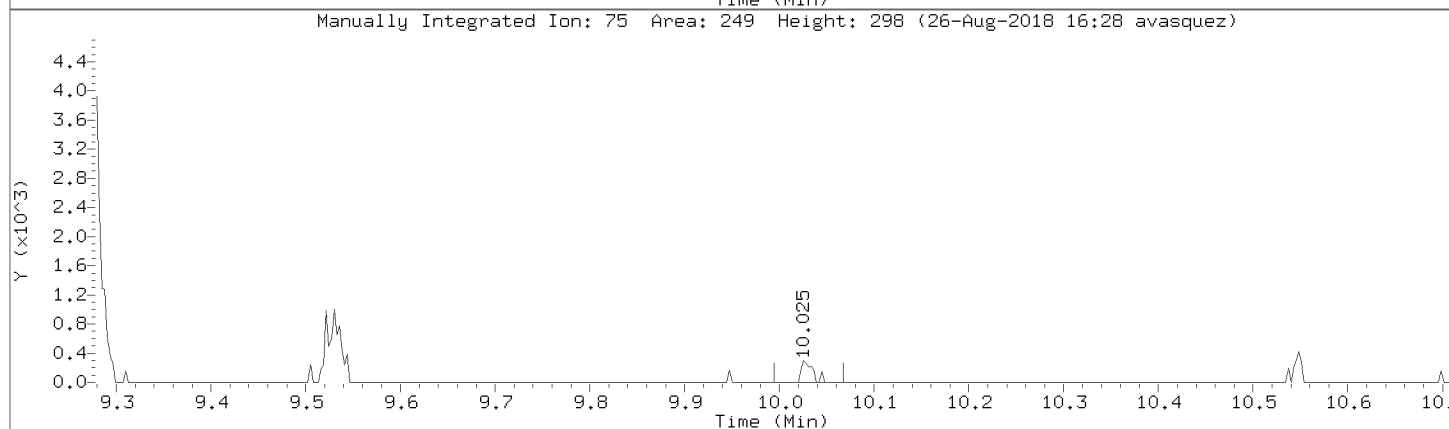
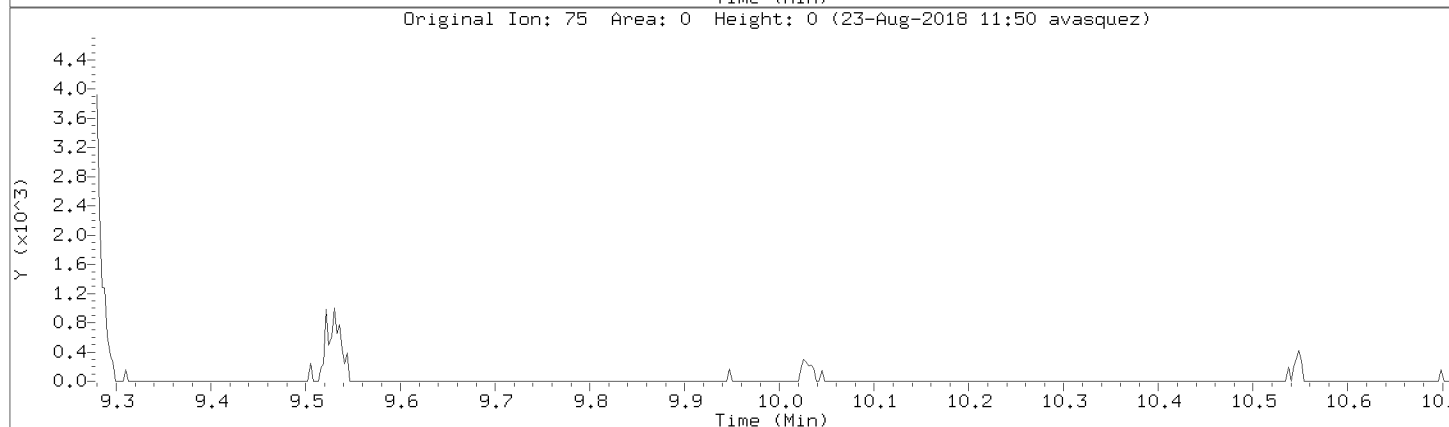
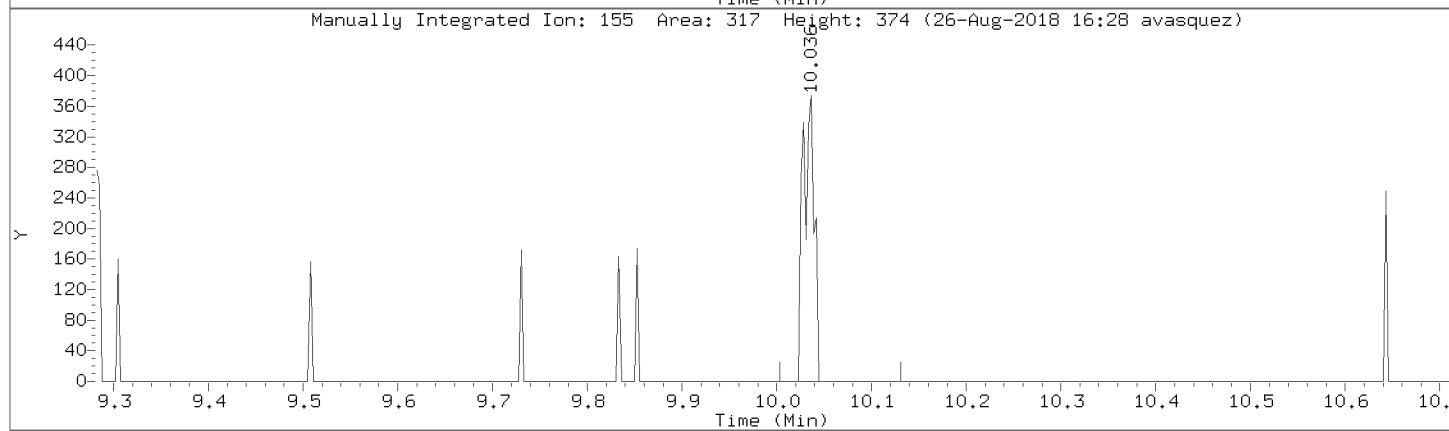
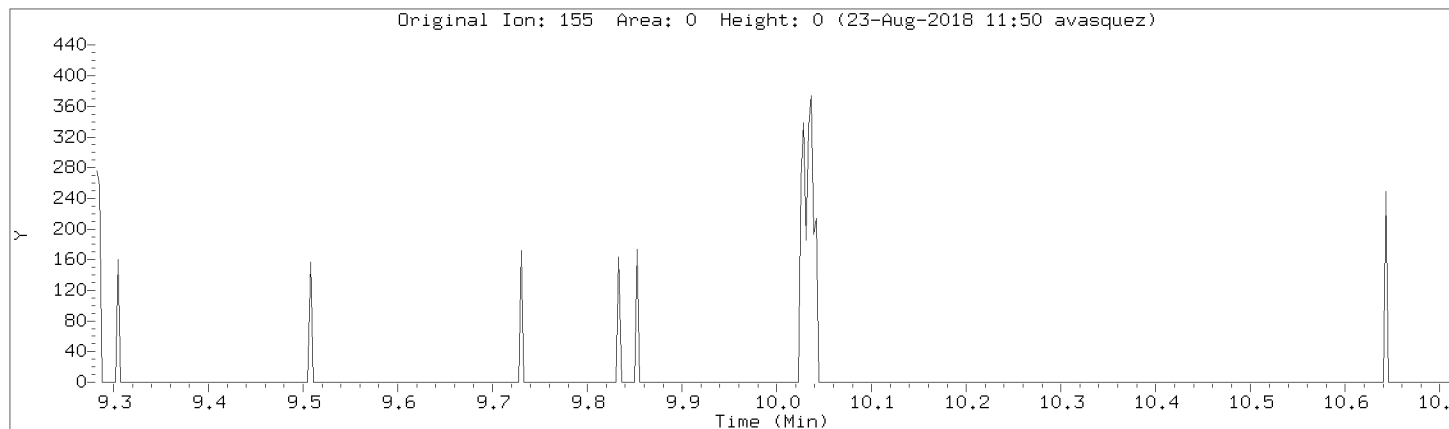


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Lab Sample ID: 8260-CAL2

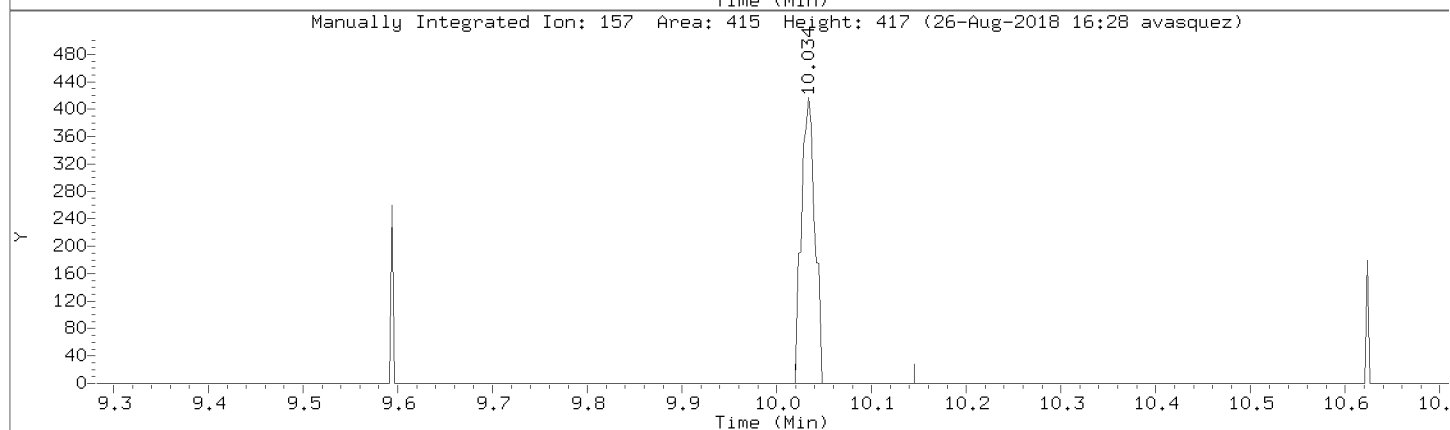
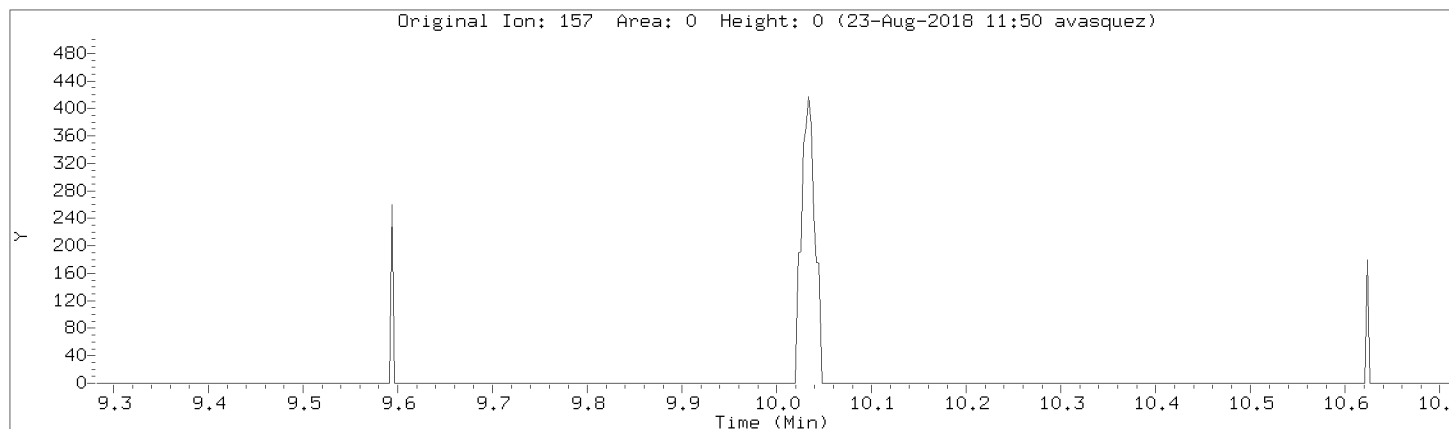


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: 1,2-Dibromo-3-chloropropane Review Code: NI
CAS Number: 96-12-8



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 22-AUG-2018 14:52

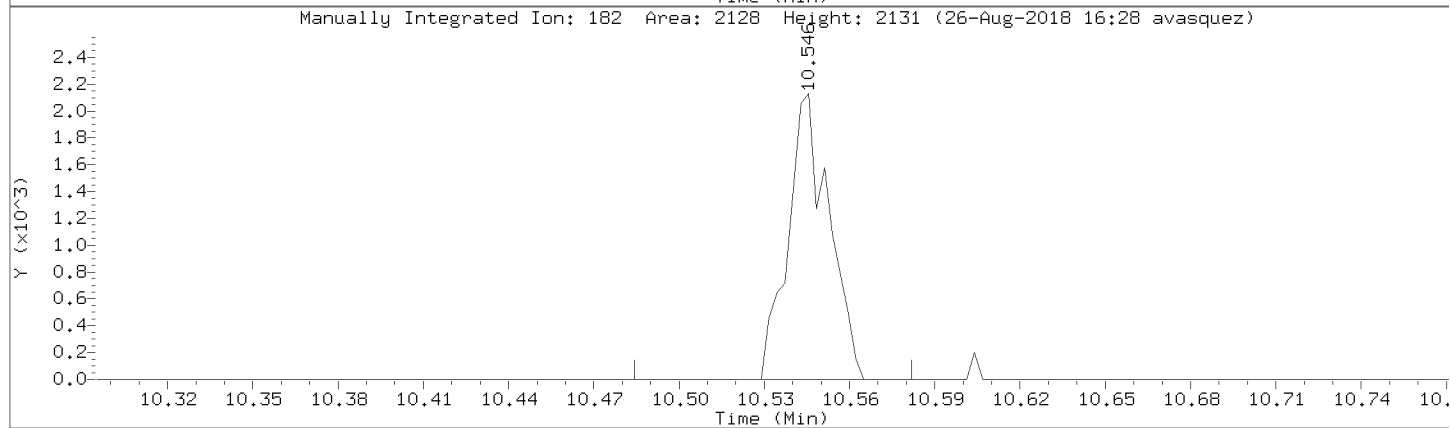
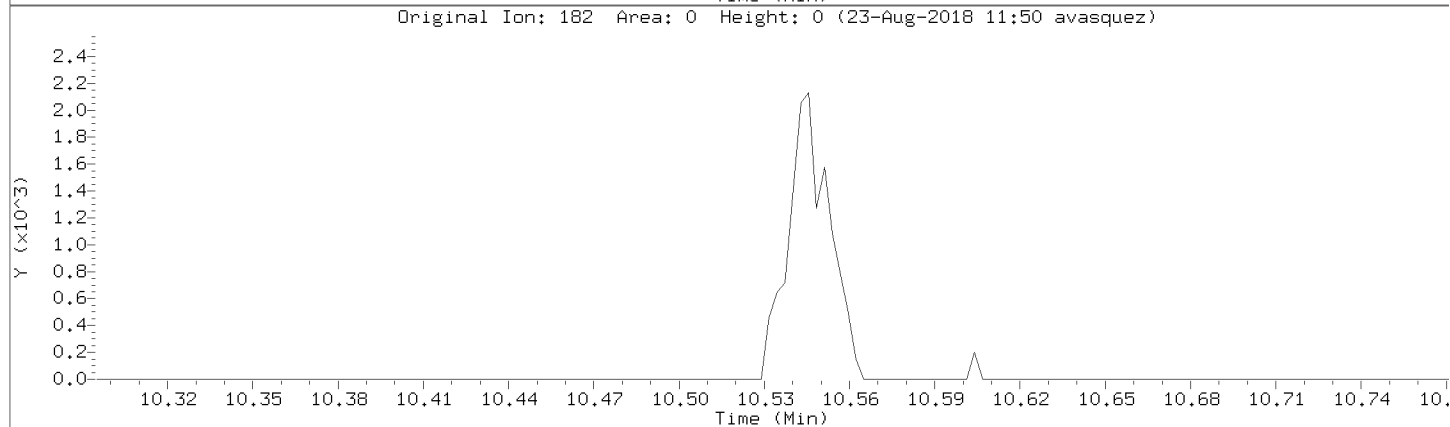
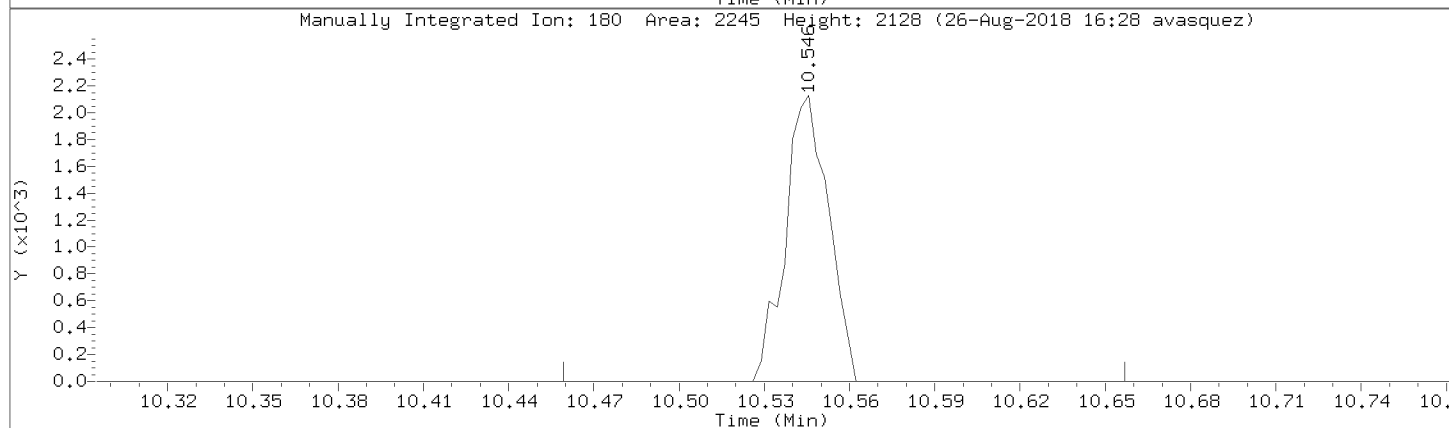
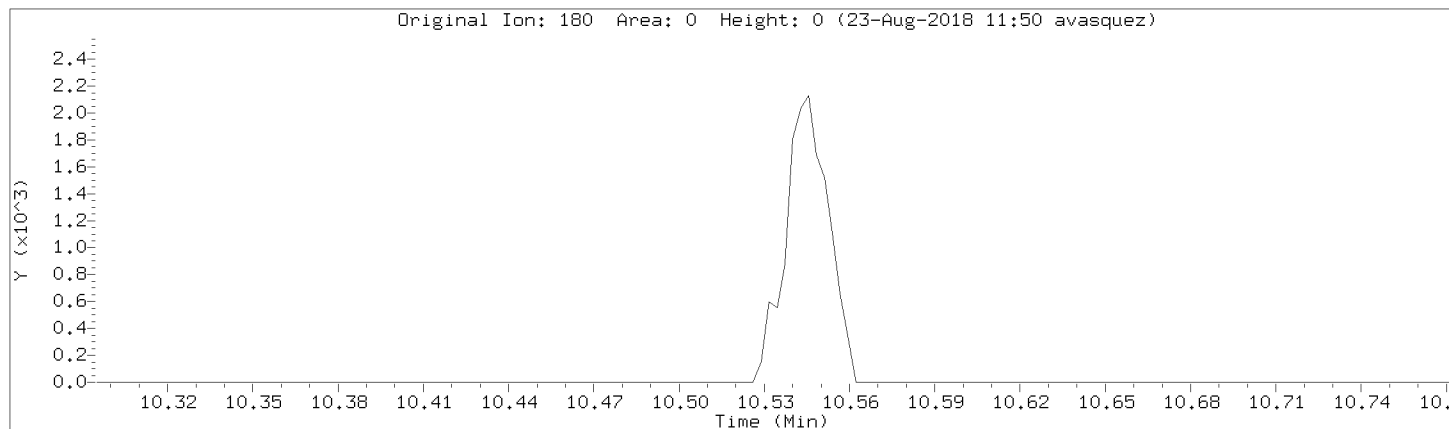
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Lab Sample ID: 8260-CAL2

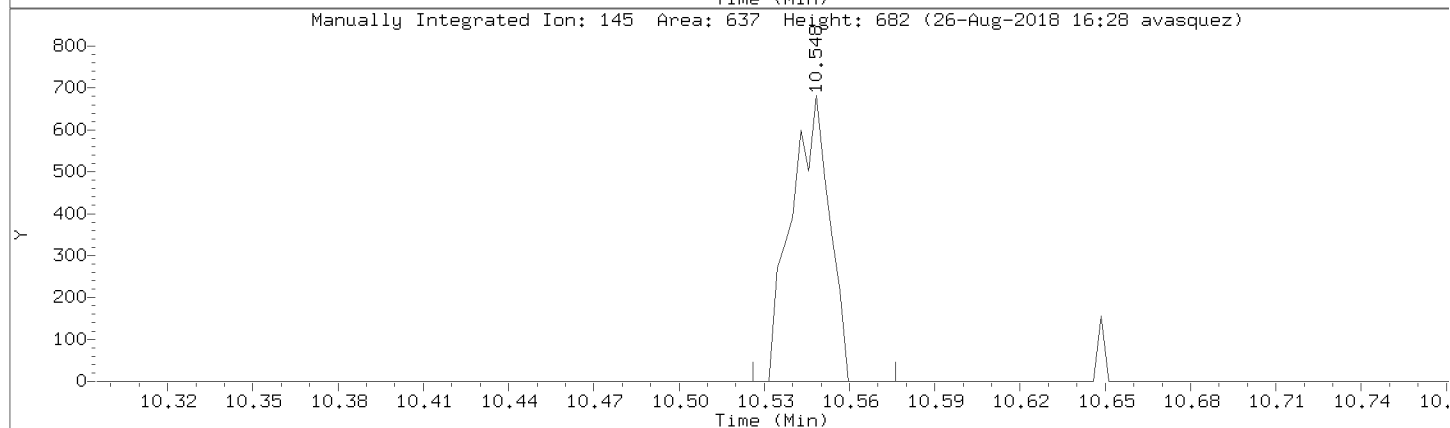
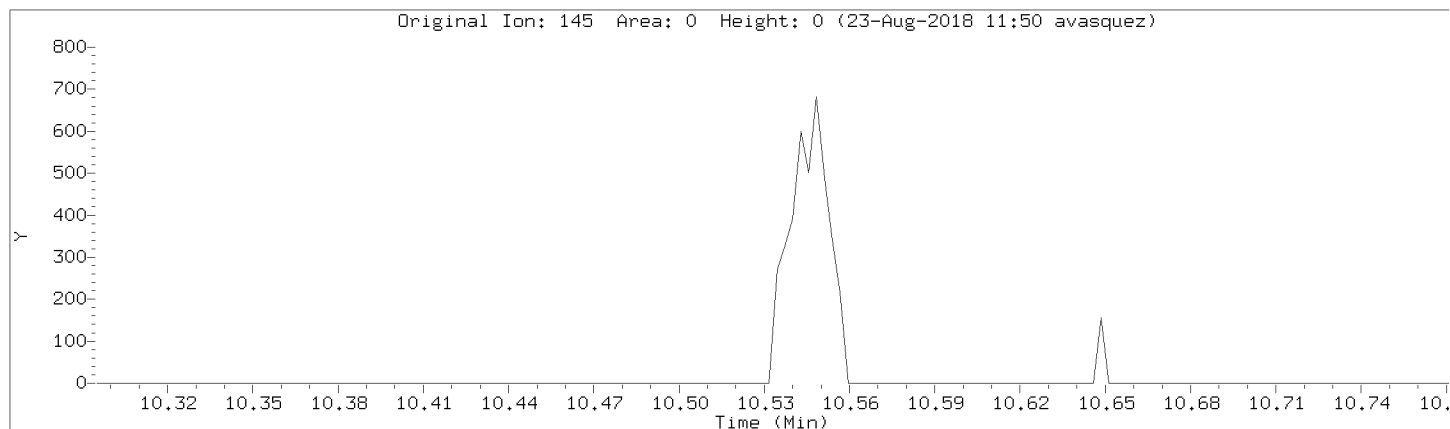
Compound: 1,2,4-Trichlorobenzene

Review Code: NI

CAS Number: 120-82-1

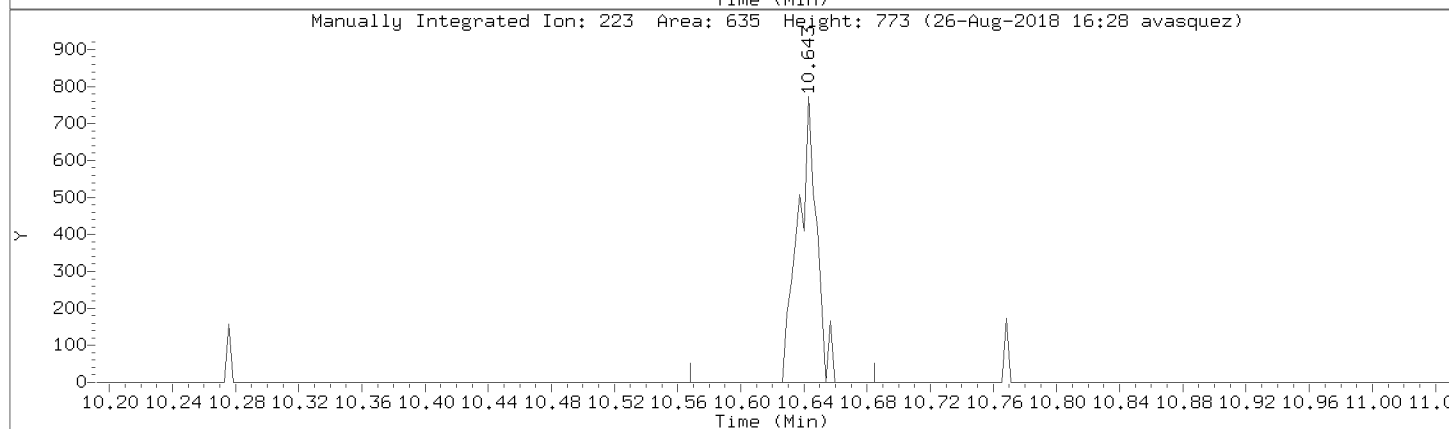
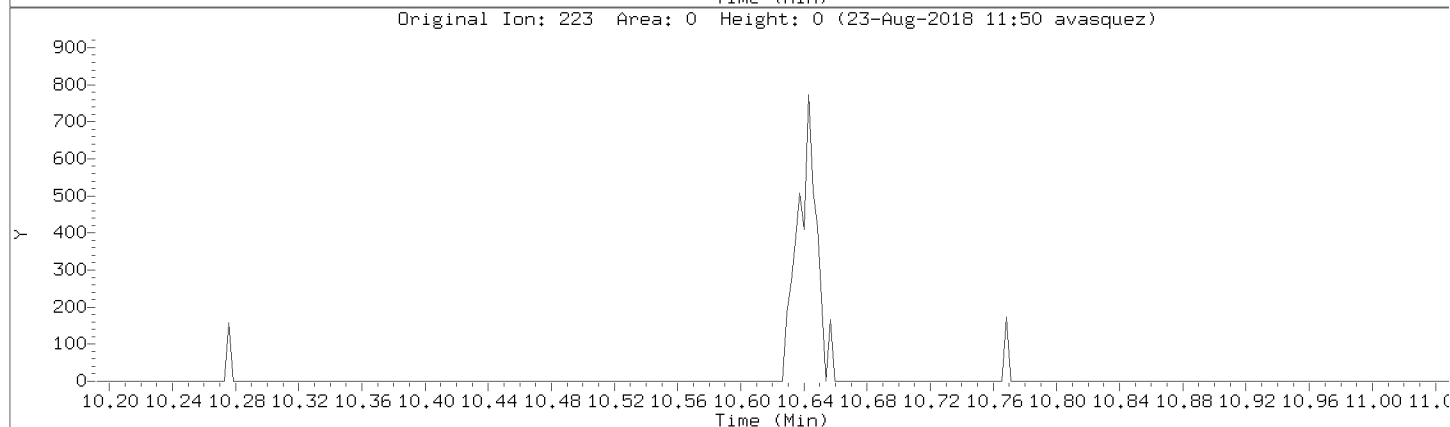
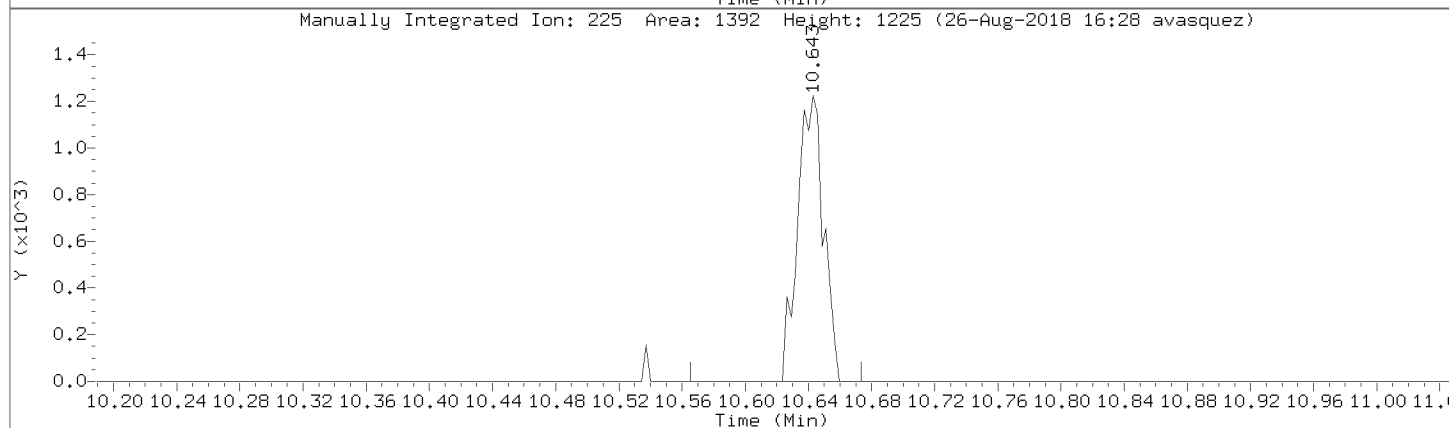
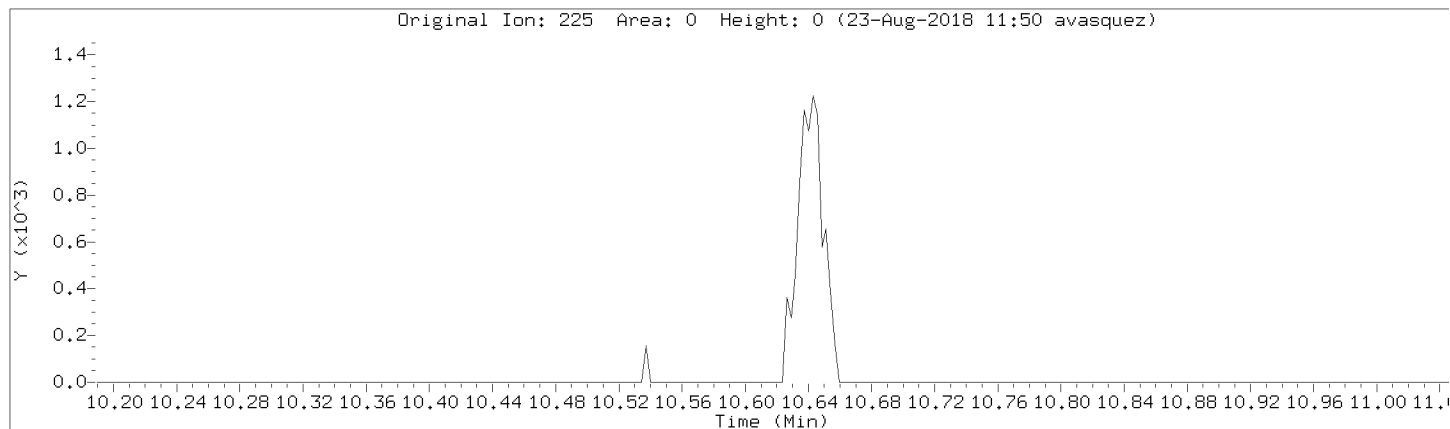


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Lab Sample ID: 8260-CAL2

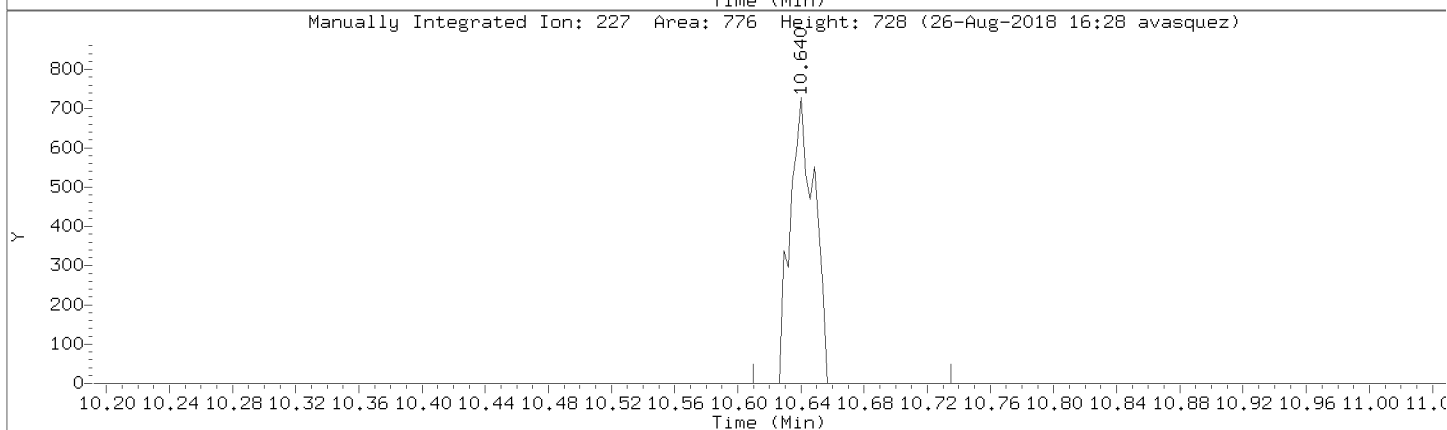
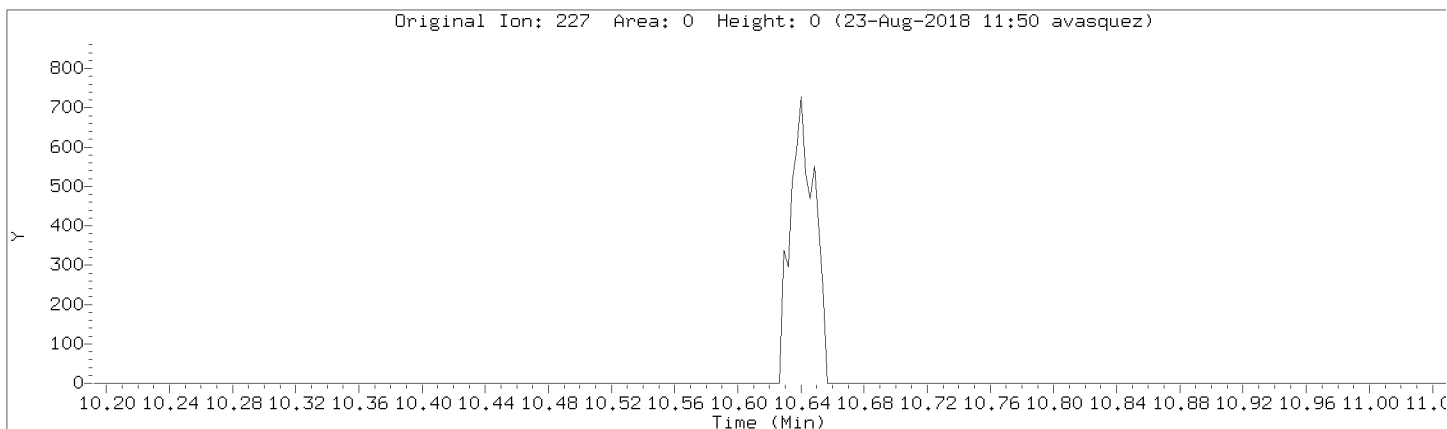


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: Hexachlorobutadiene Review Code: NI
CAS Number: 87-68-3

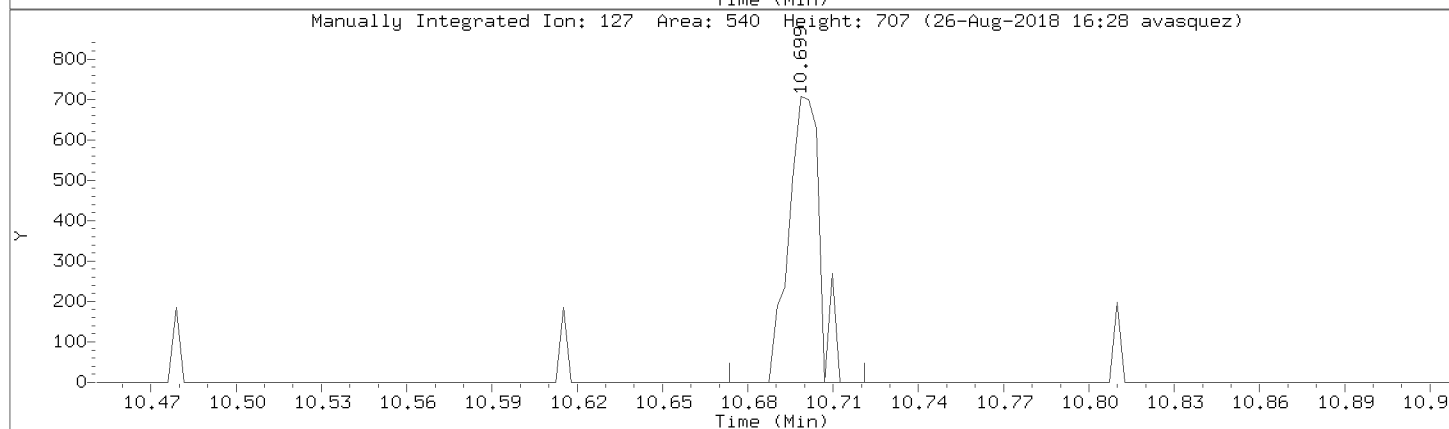
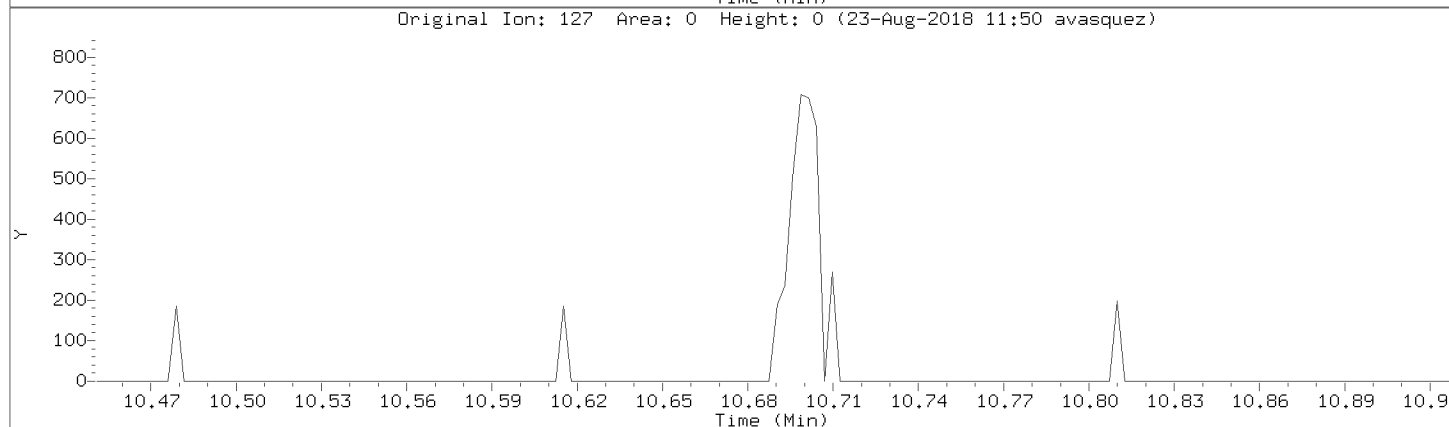
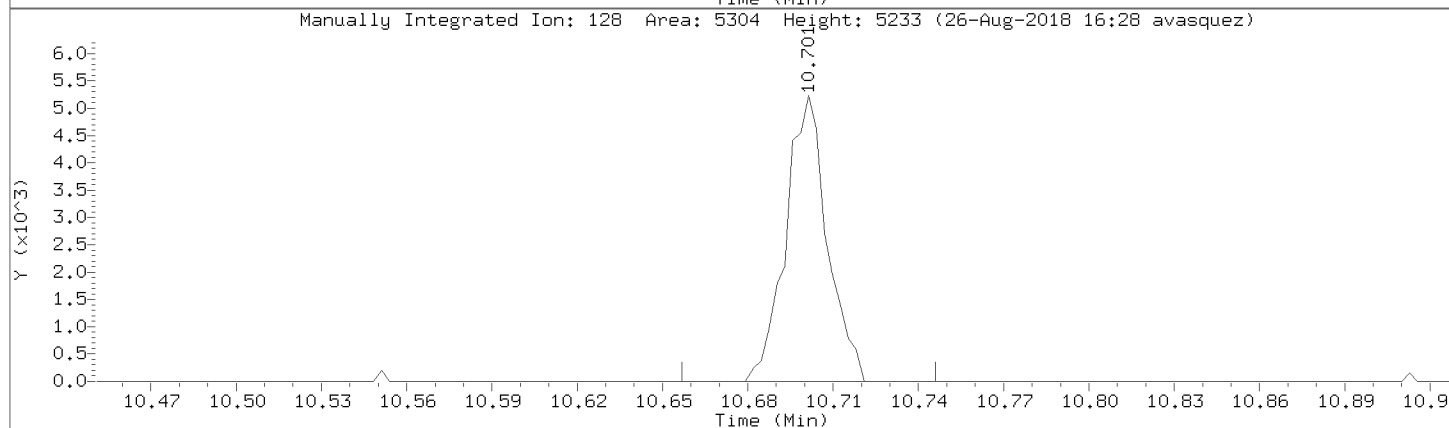
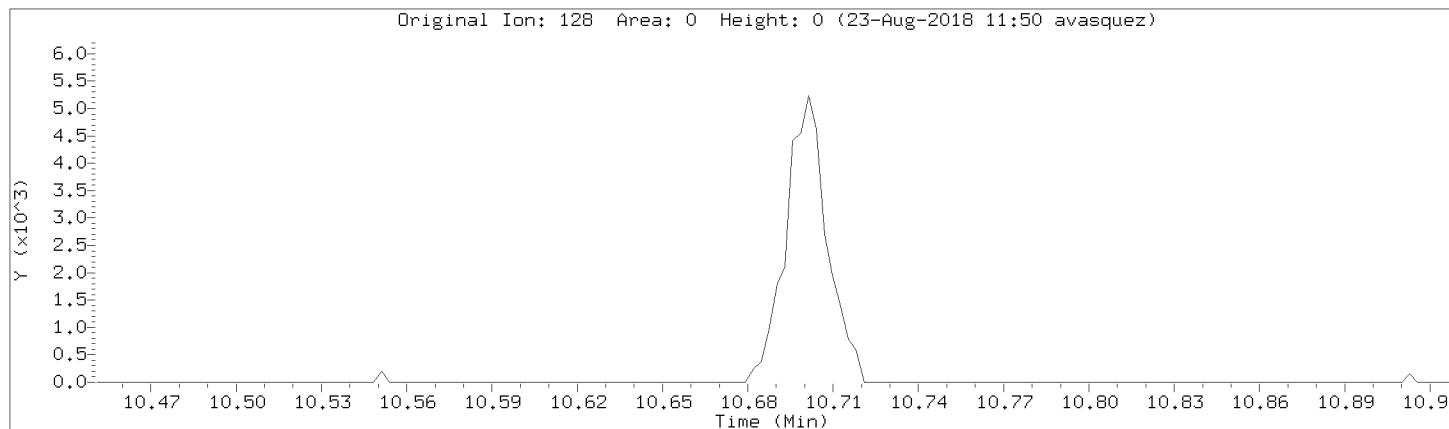


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: Naphthalene Review Code: NI
CAS Number: 91-20-3



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d

Injection Date: 22-AUG-2018 14:52

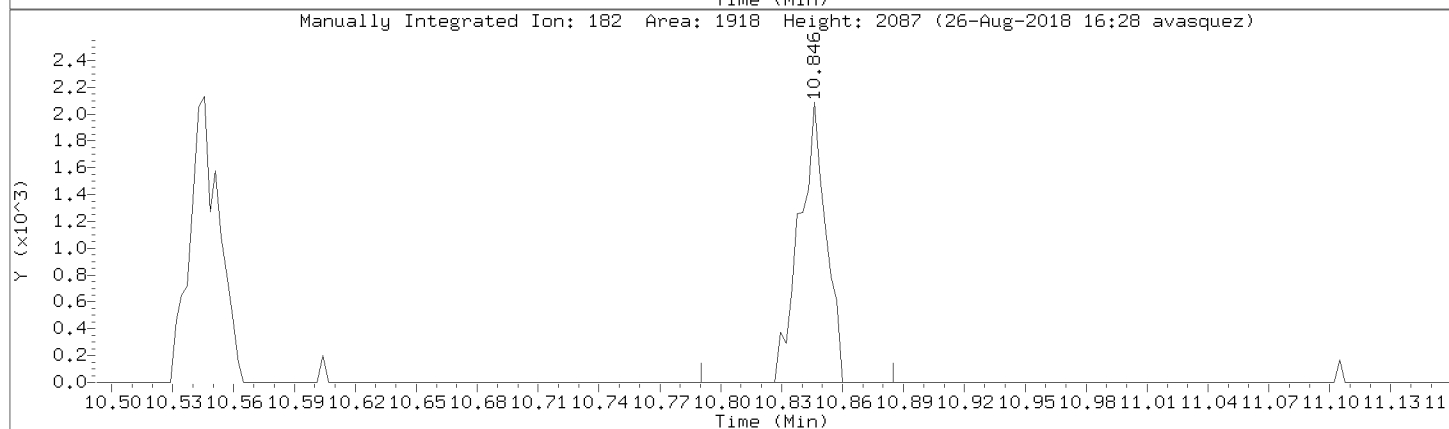
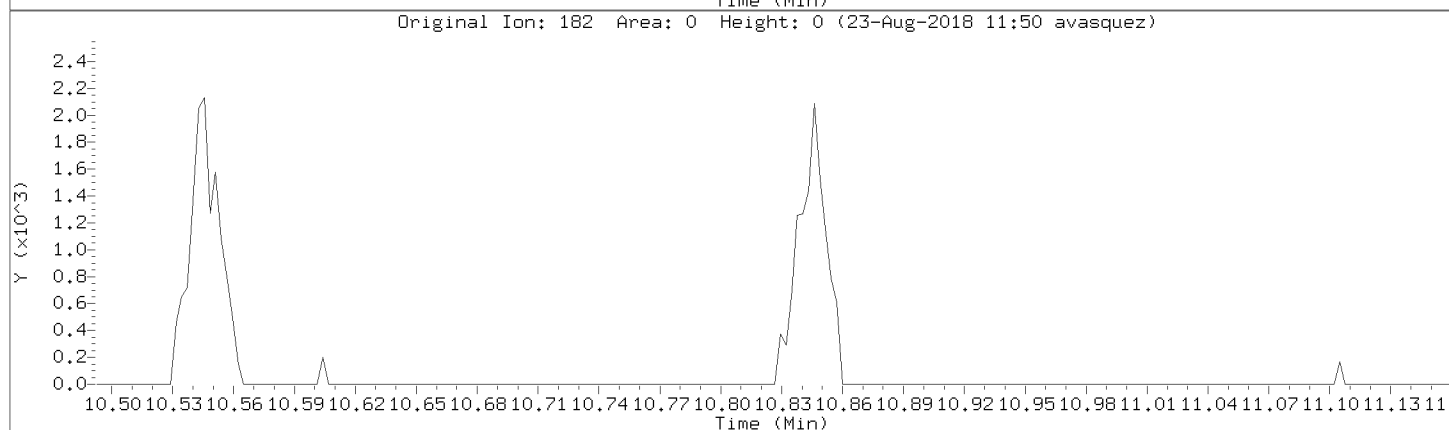
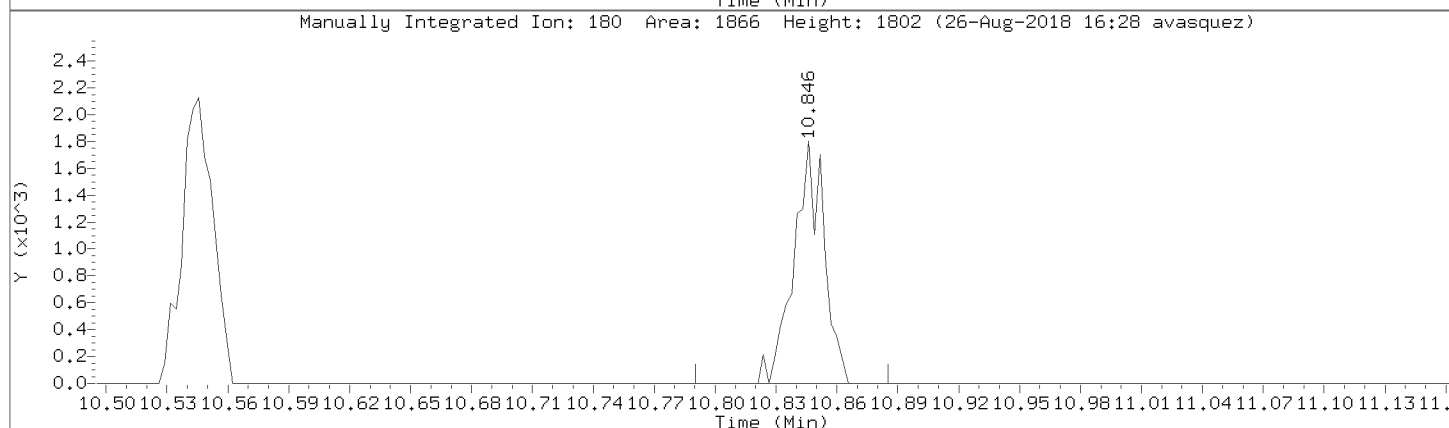
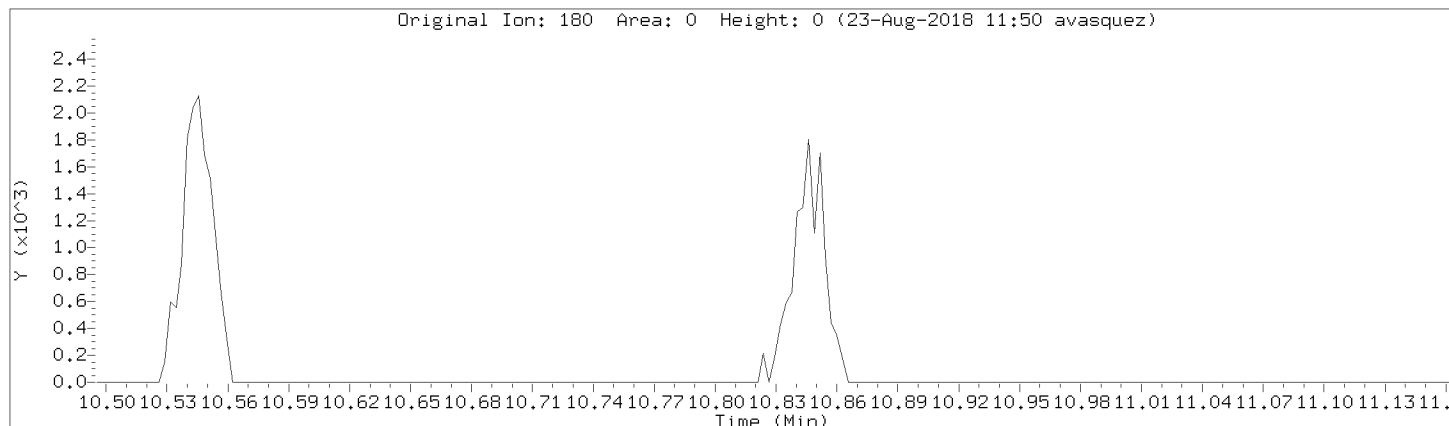
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

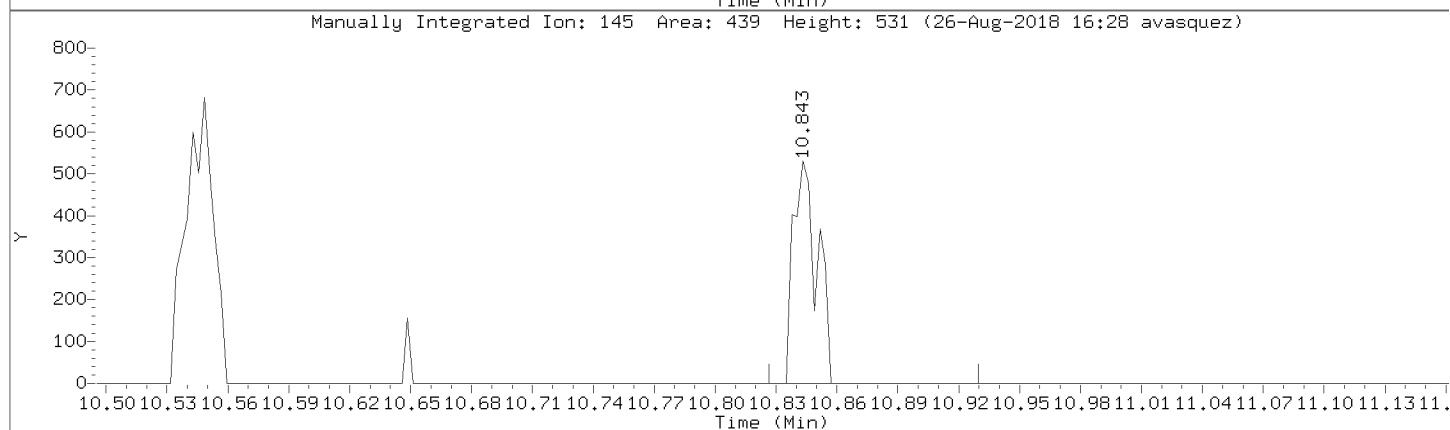
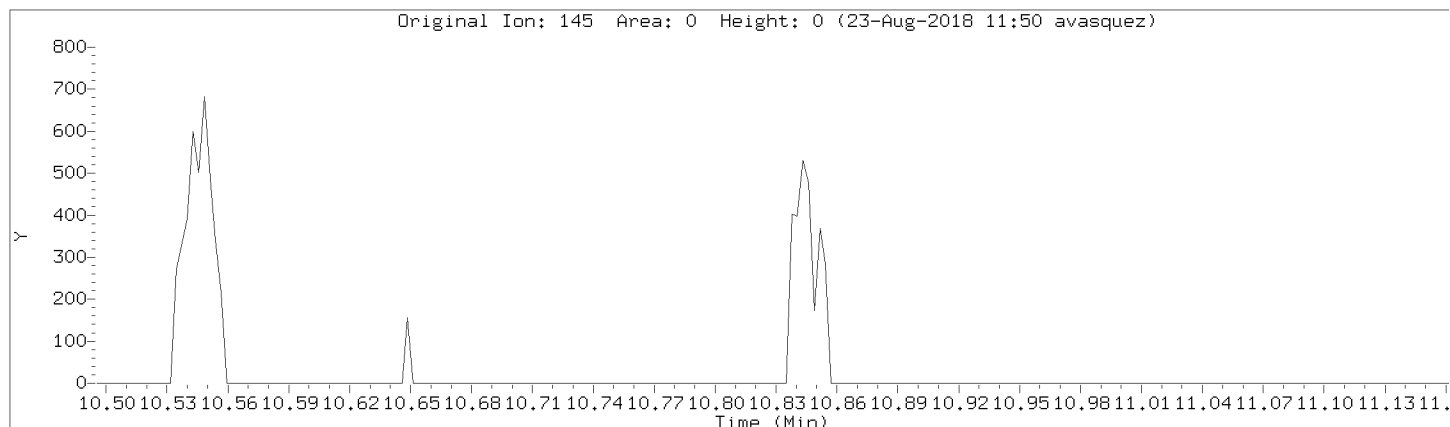
Compound: 1,2,3-Trichlorobenzene

Review Code: NI

CAS Number: 87-61-6

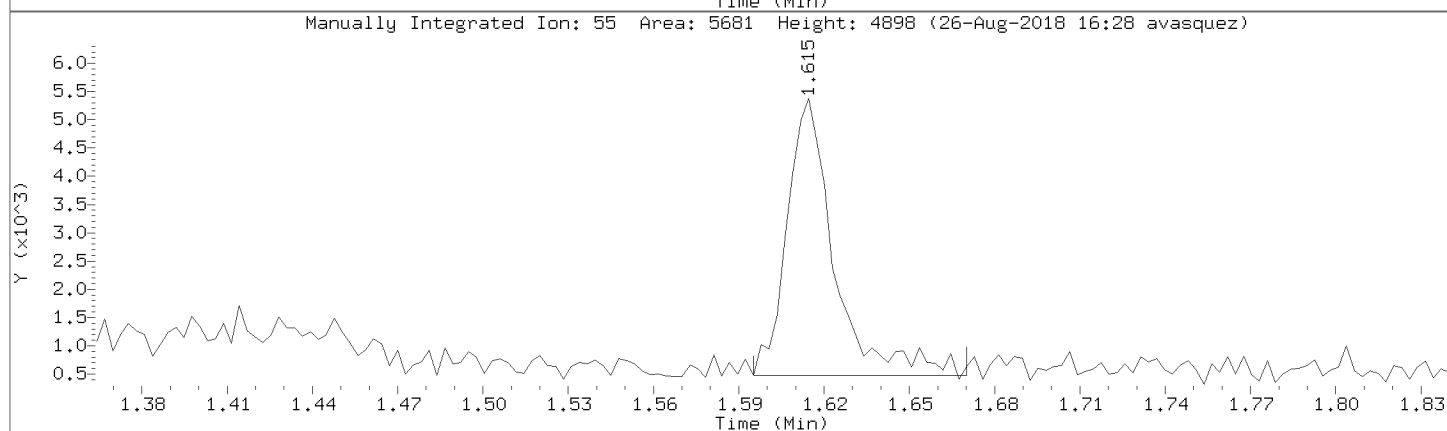
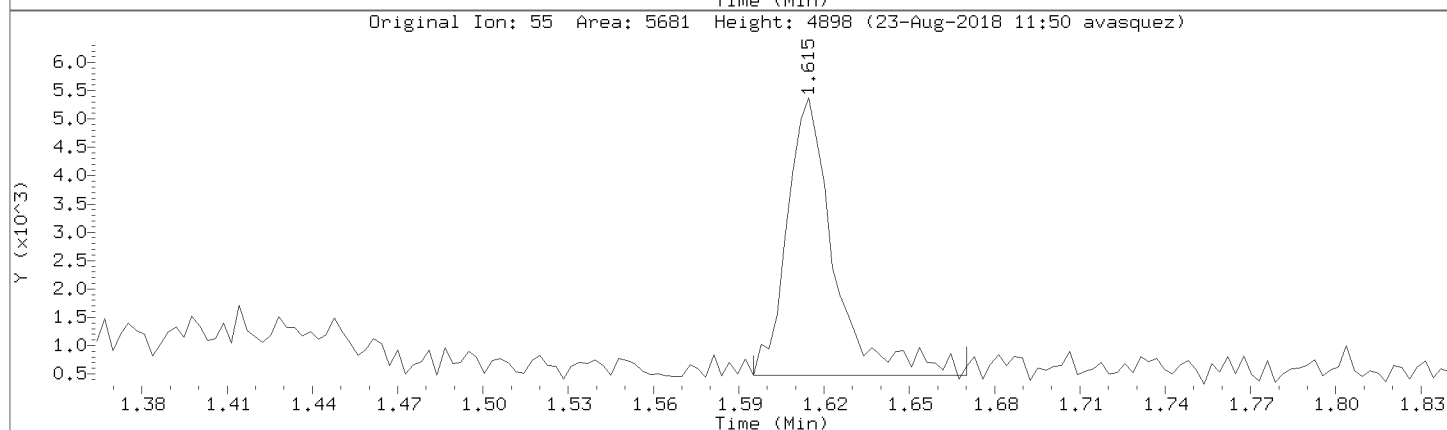
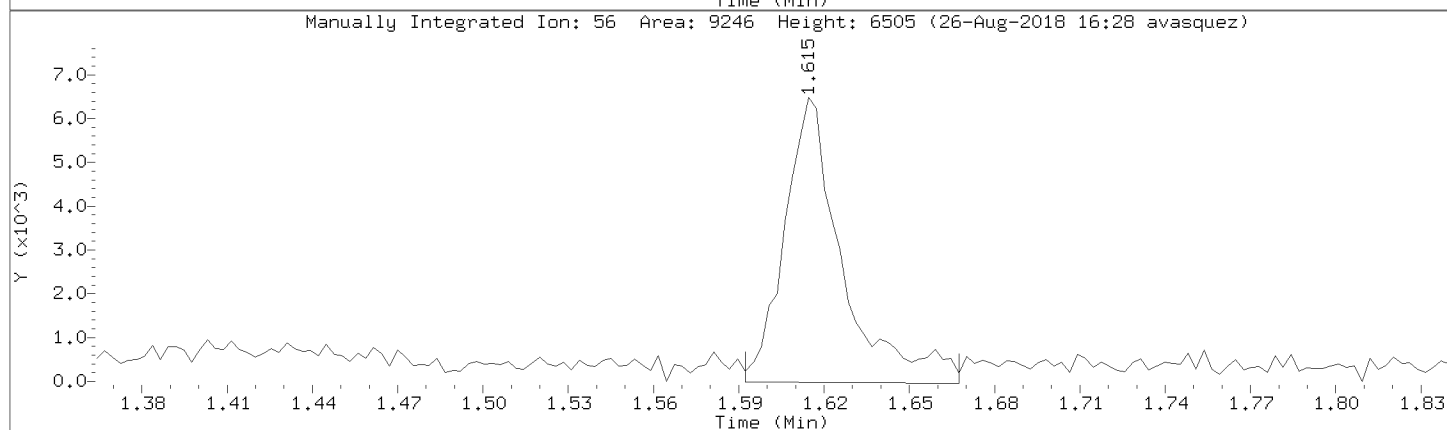
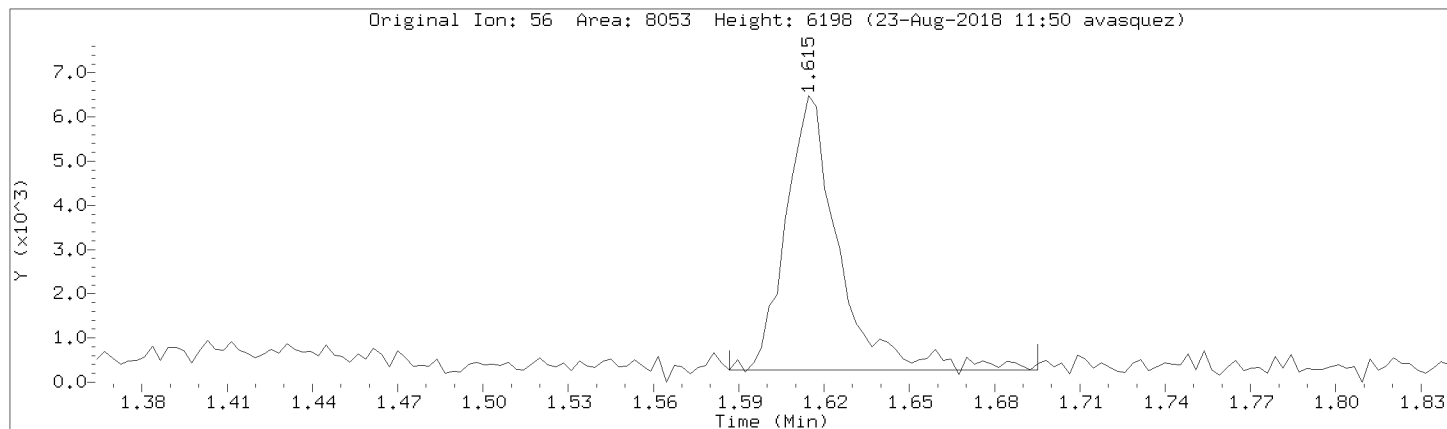


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: Acrolein Review Code: NI
CAS Number: 107-02-8



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\03cal.d

Injection Date: 22-AUG-2018 14:52

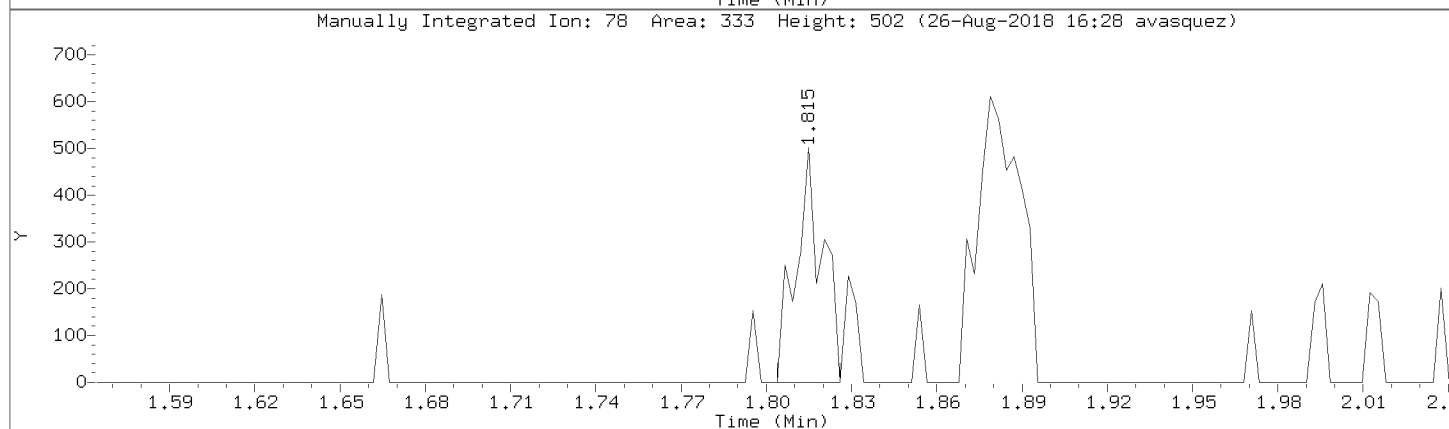
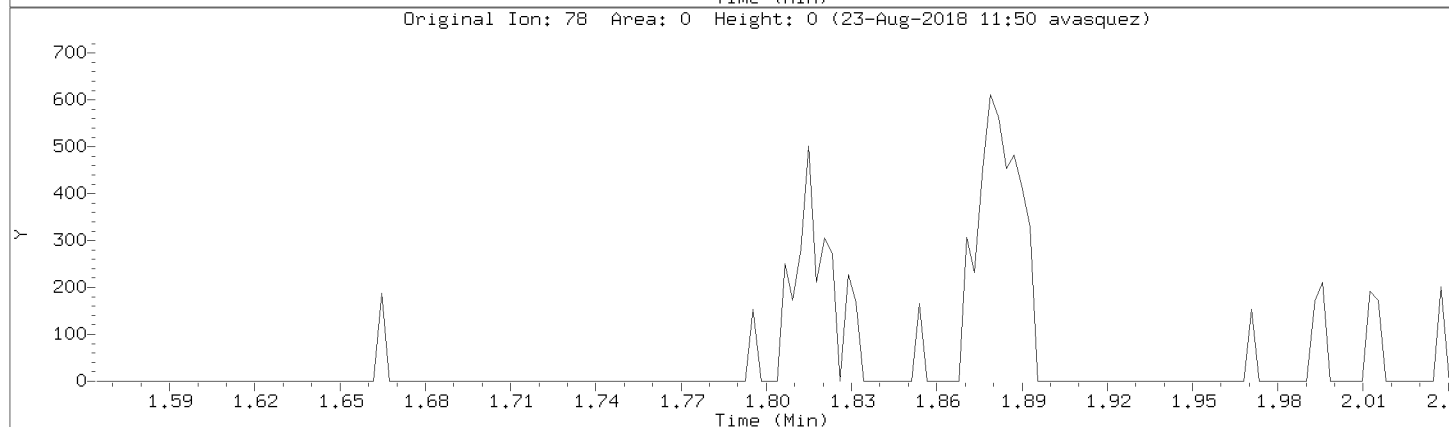
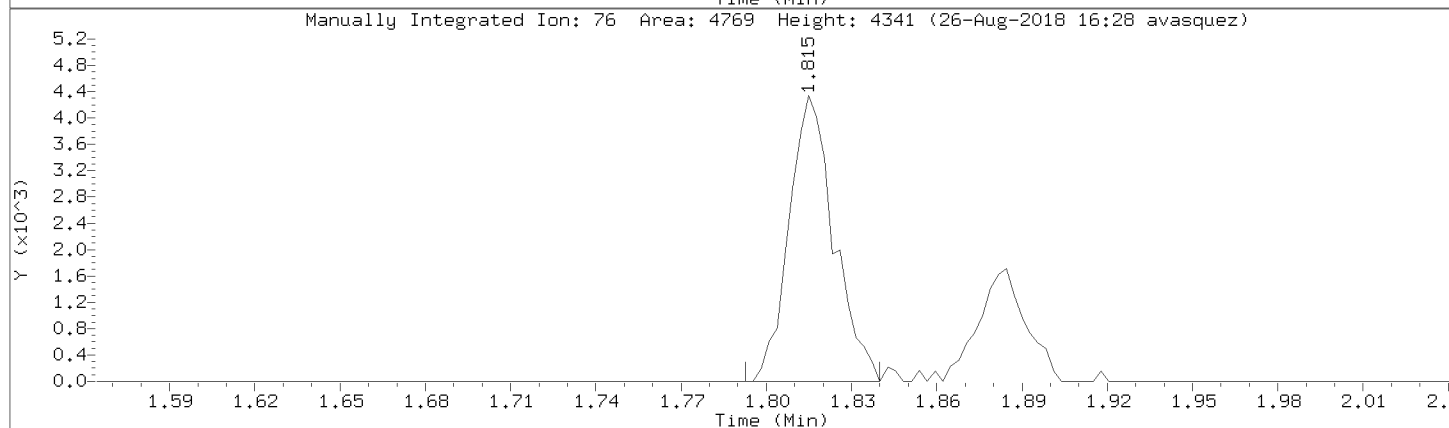
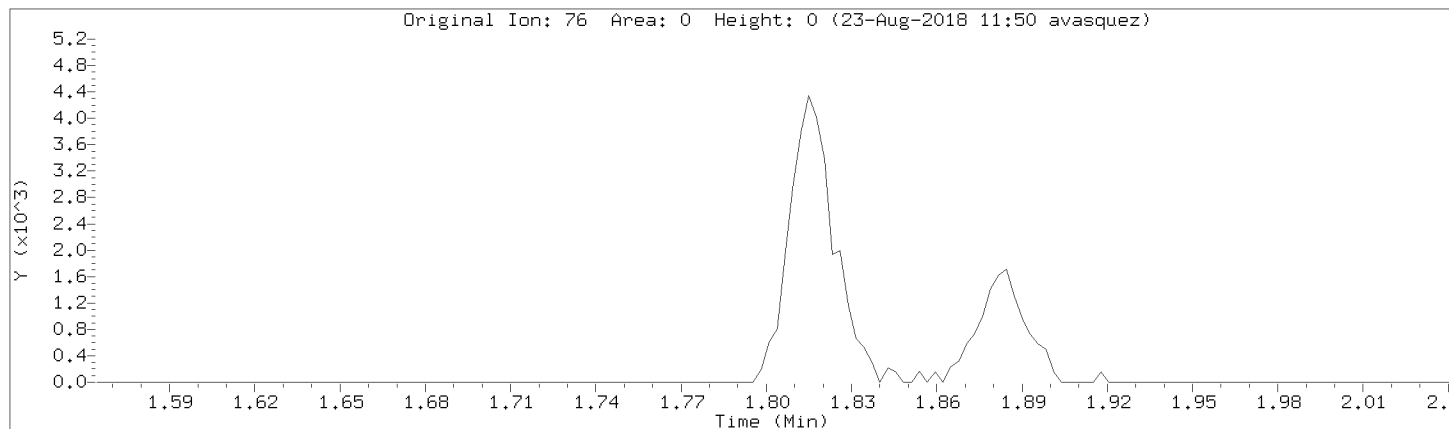
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: Carbon Disulfide

Review Code:

CAS Number: 75-15-0



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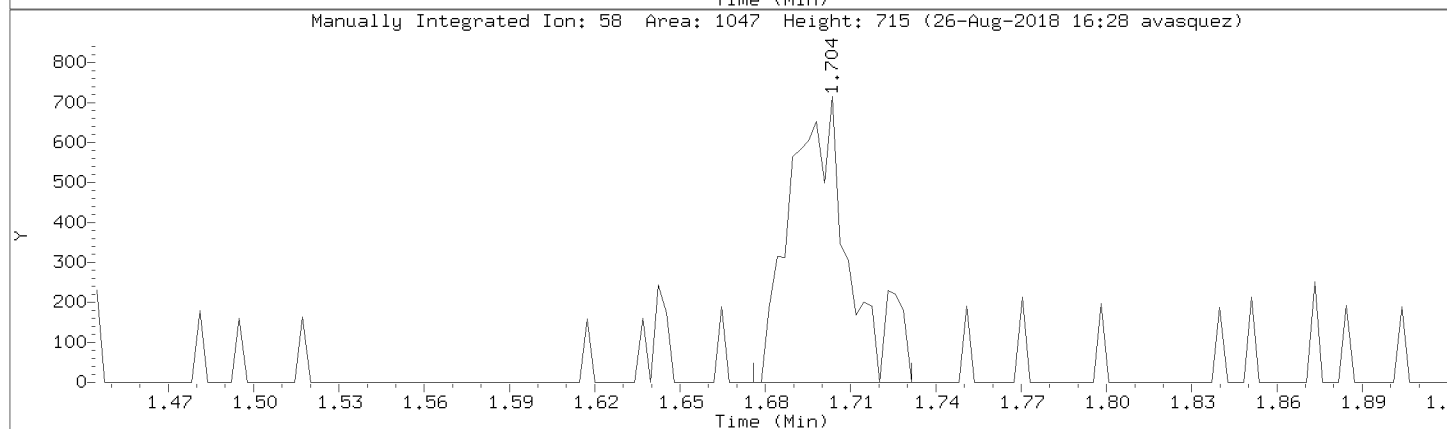
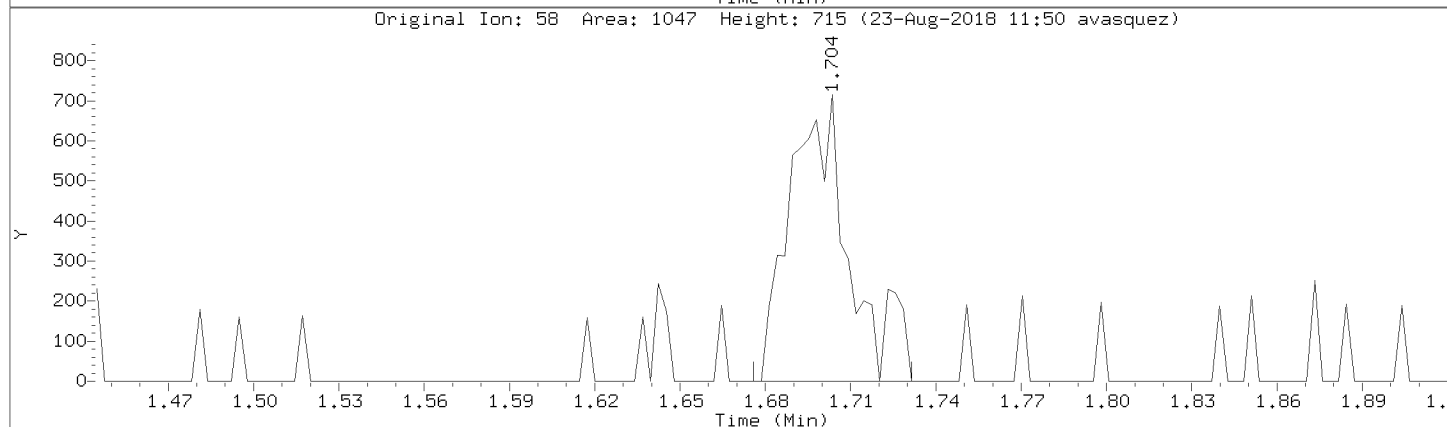
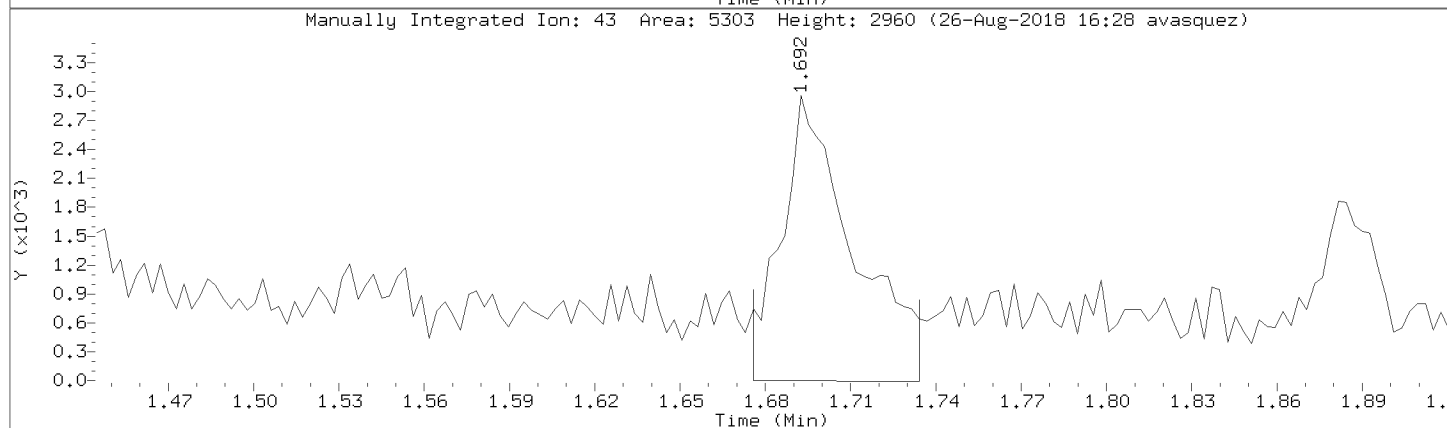
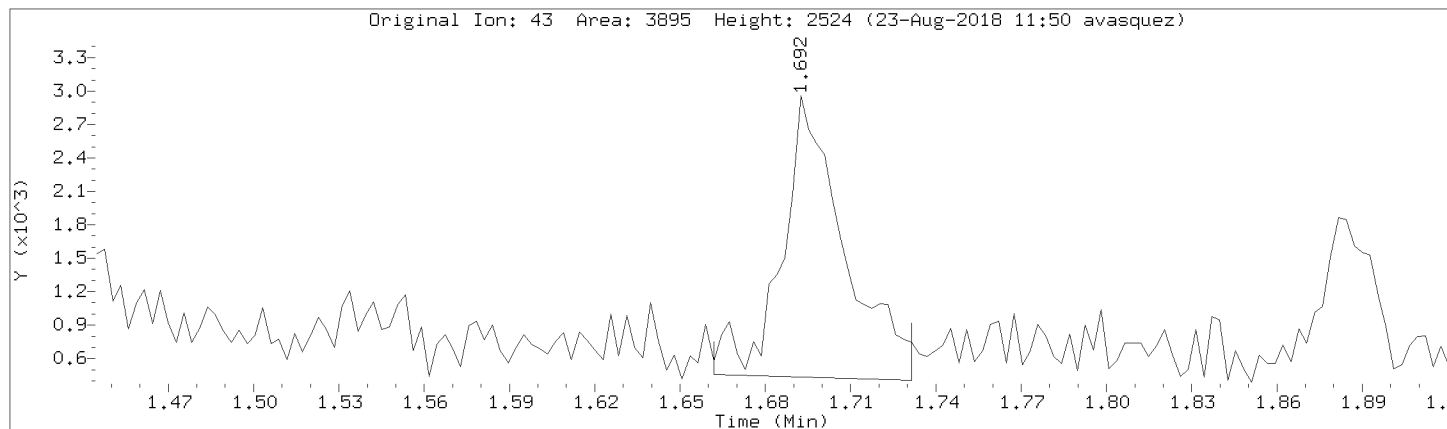
Injection Date: 22-AUG-2018 14:52

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: Acetone Review Code: NI

CAS Number: 67-64-1



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Injection Date: 22-AUG-2018 14:52

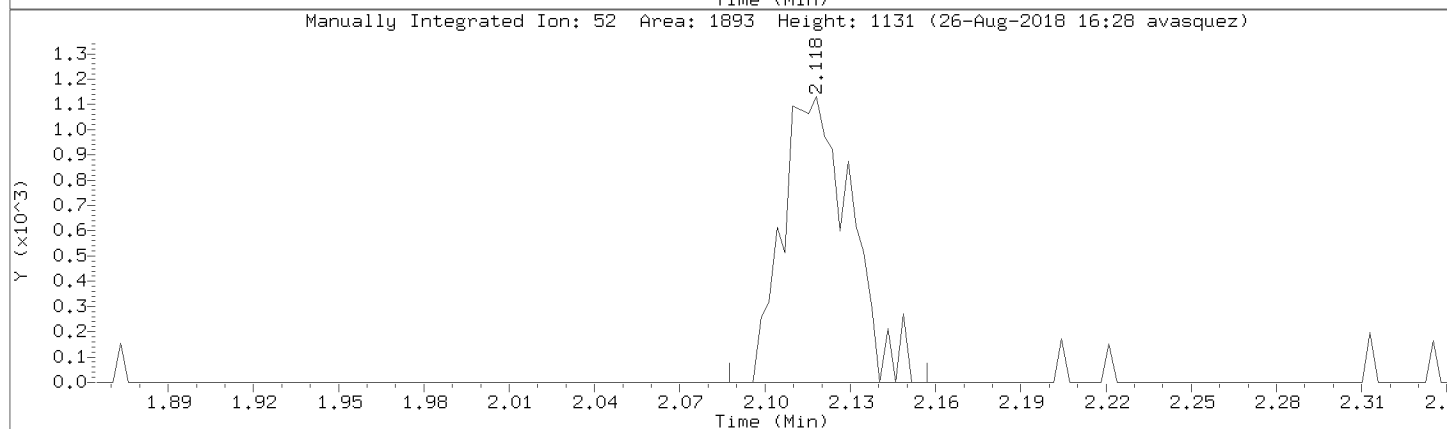
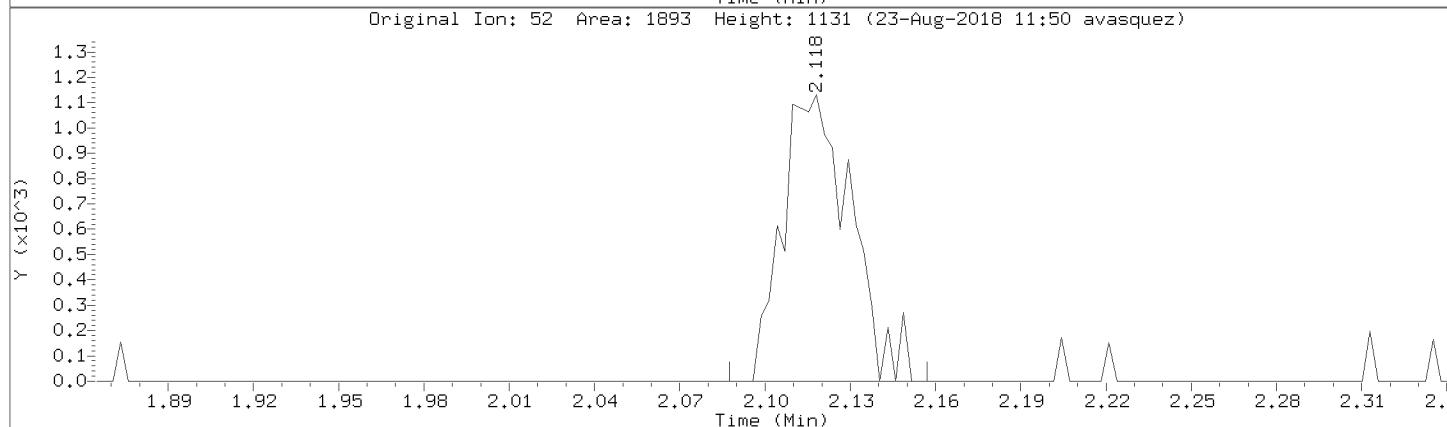
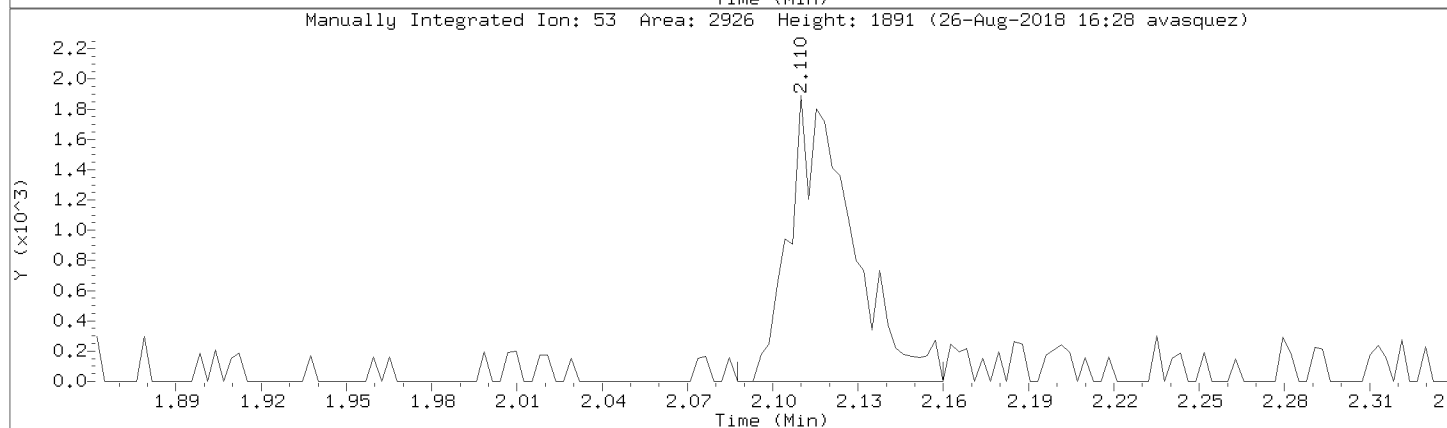
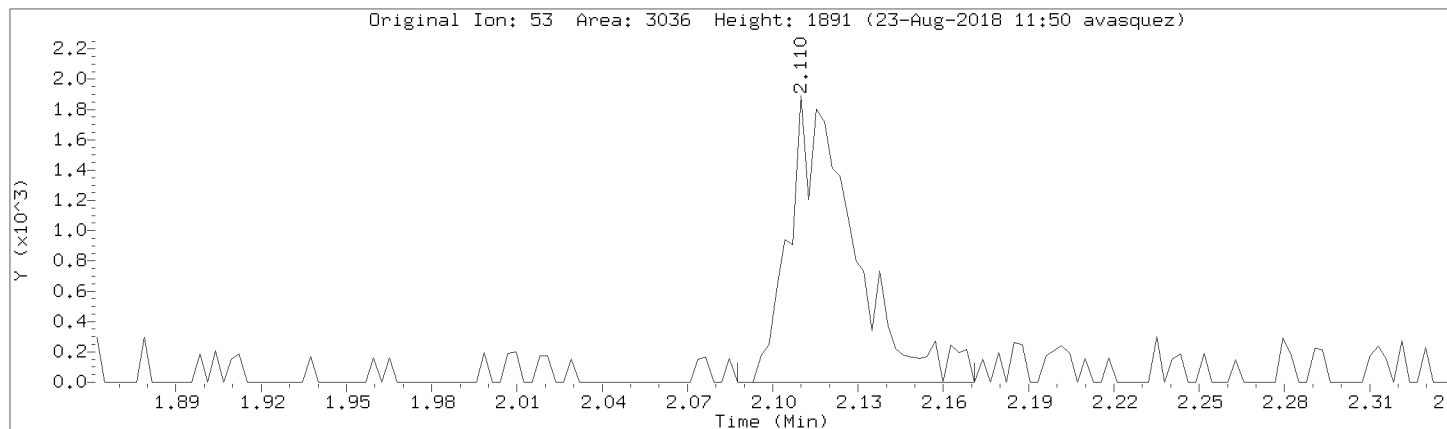
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: Acrylonitrile

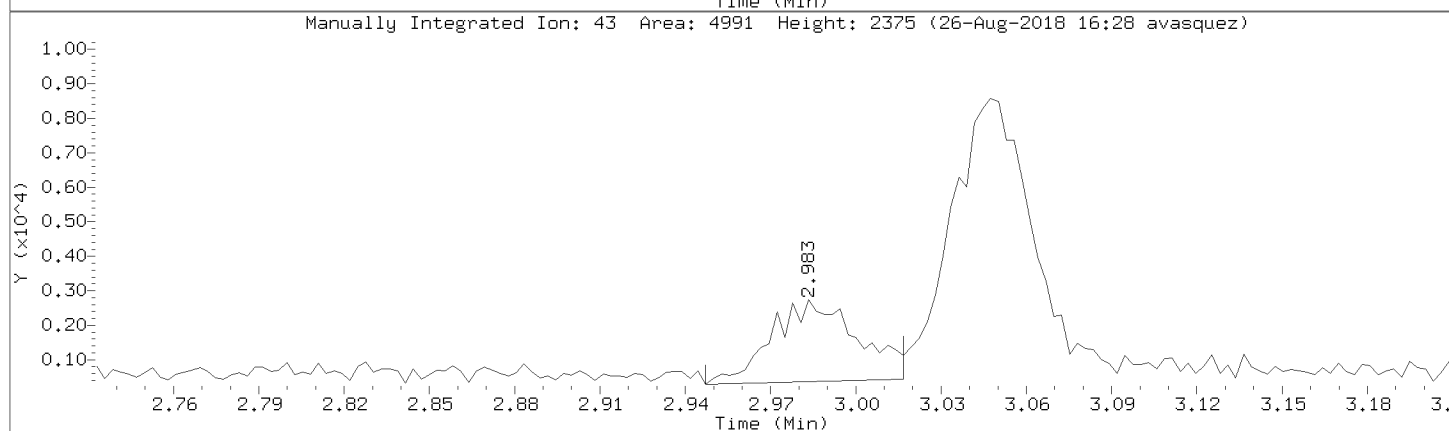
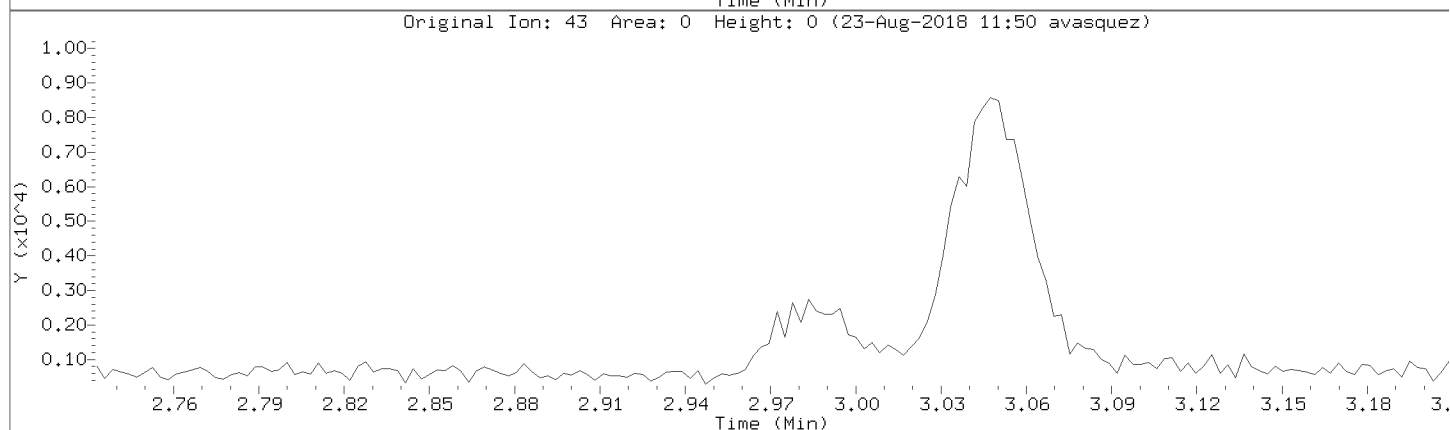
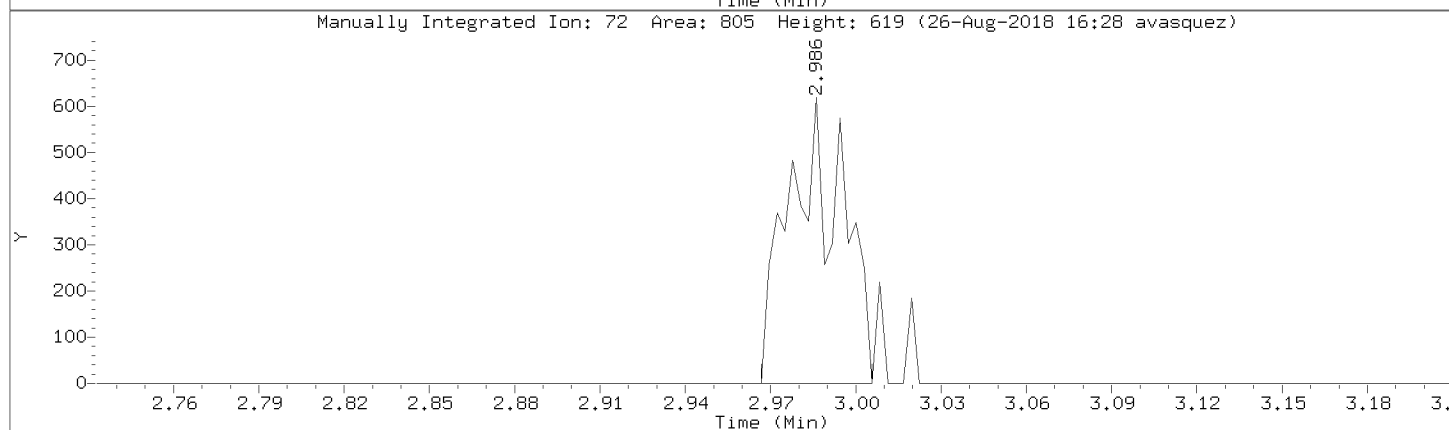
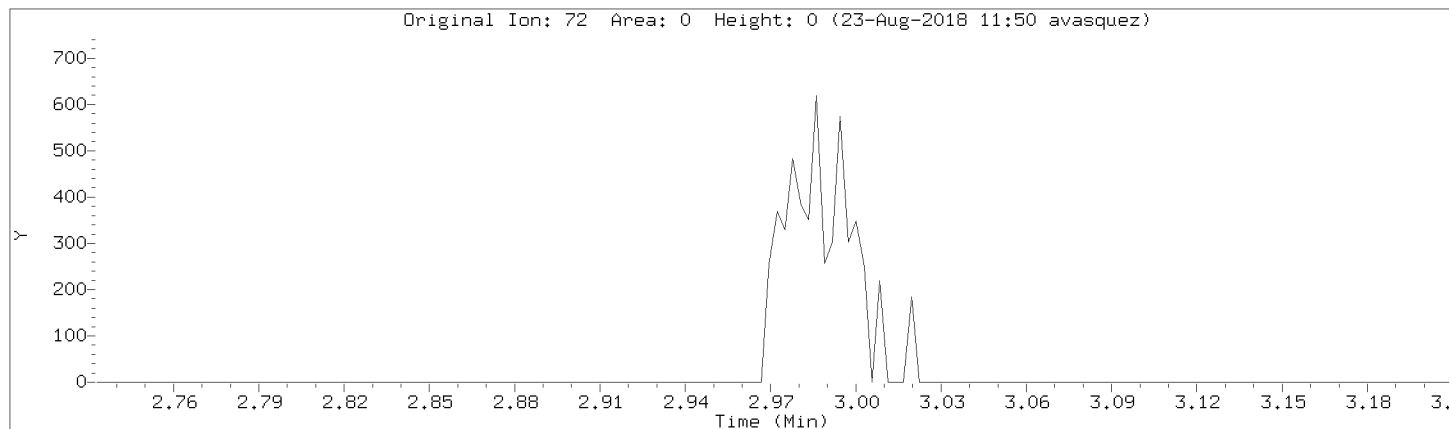
Review Code: GT

CAS Number: 107-13-1

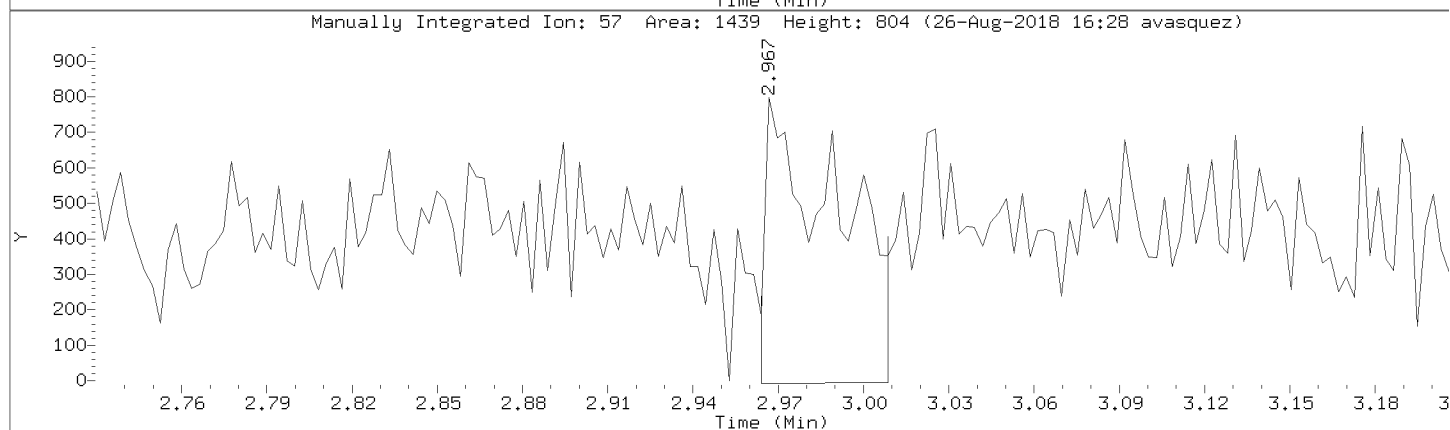
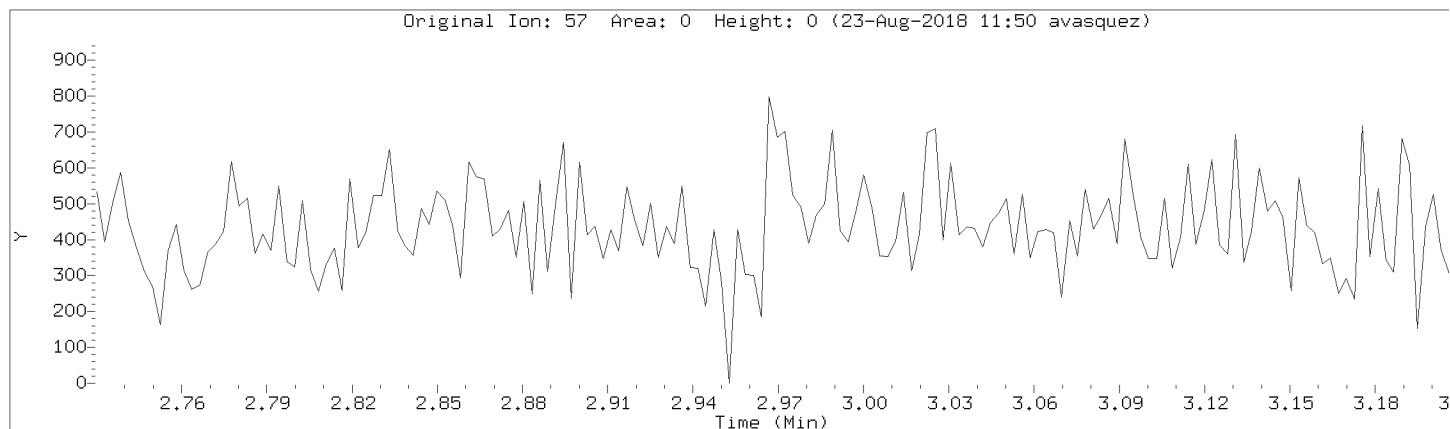


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: 2-Butanone Review Code: NI
CAS Number: 78-93-3



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 22-AUG-2018 14:52

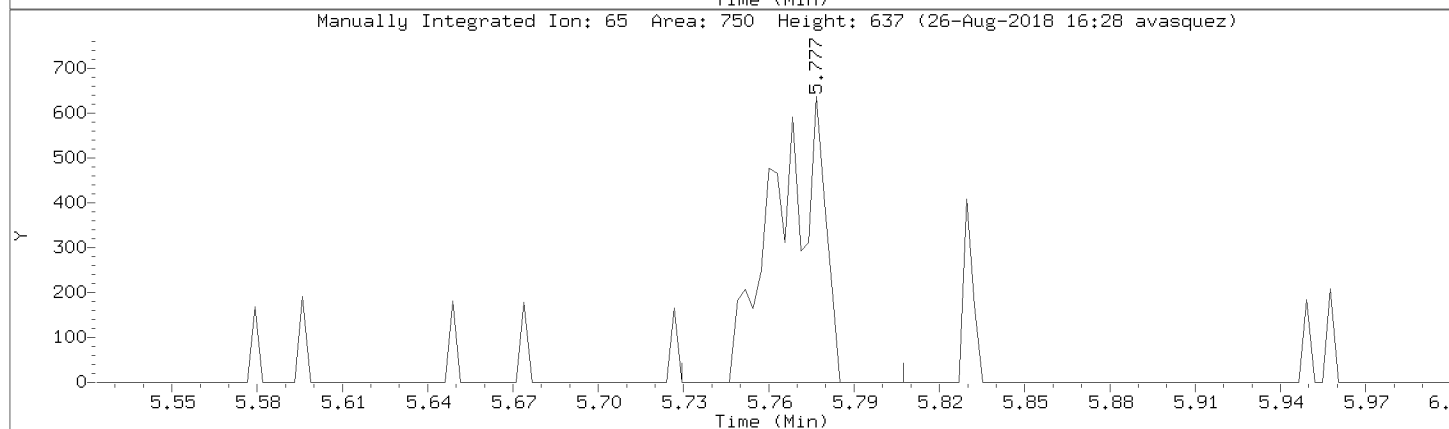
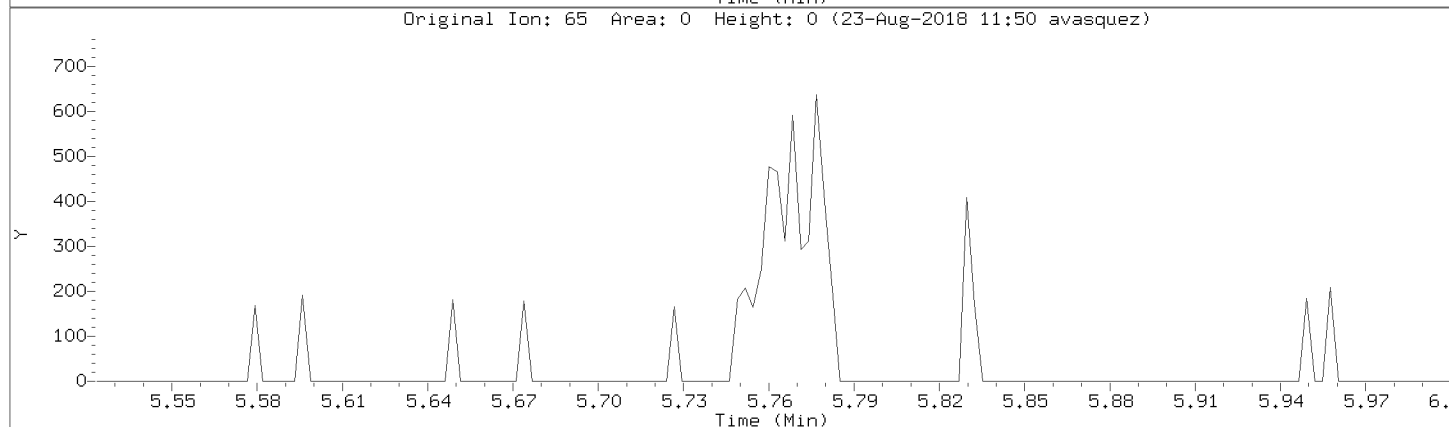
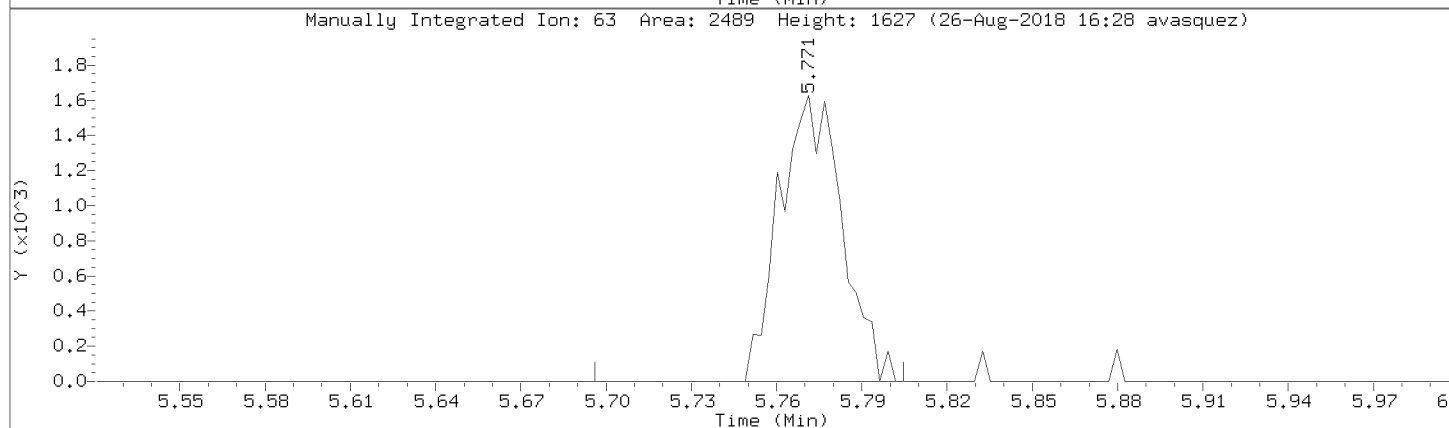
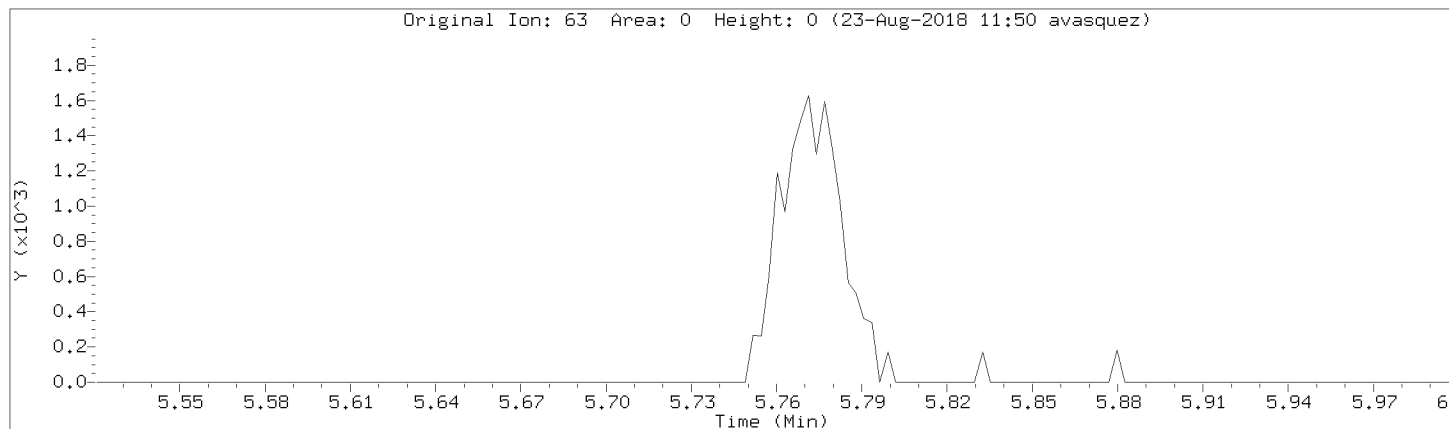
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: 2-Chloroethyl vinyl ether

Review Code: NI

CAS Number: 110-75-8



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Injection Date: 22-AUG-2018 14:52

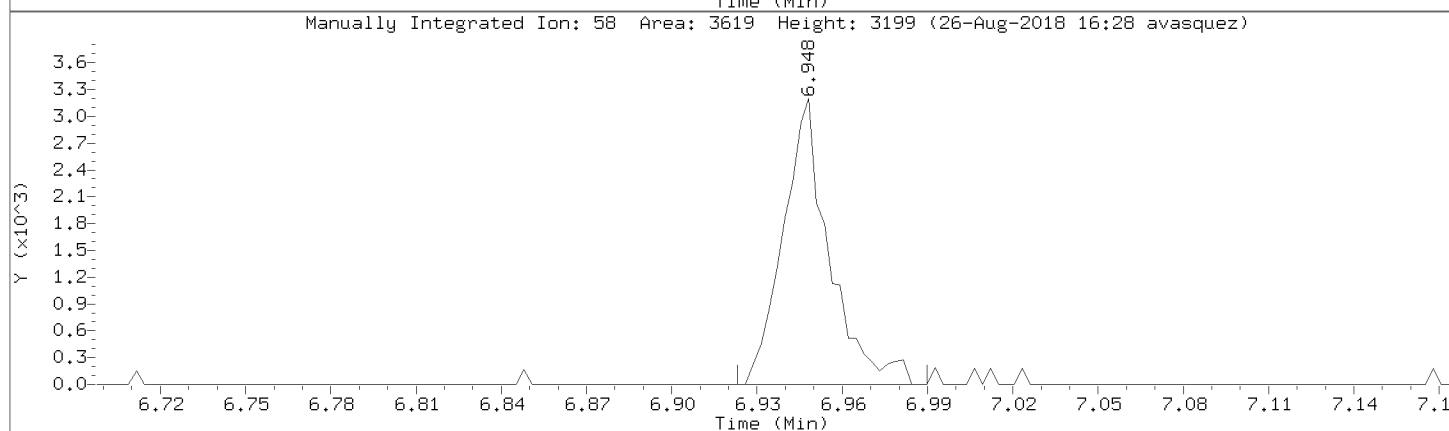
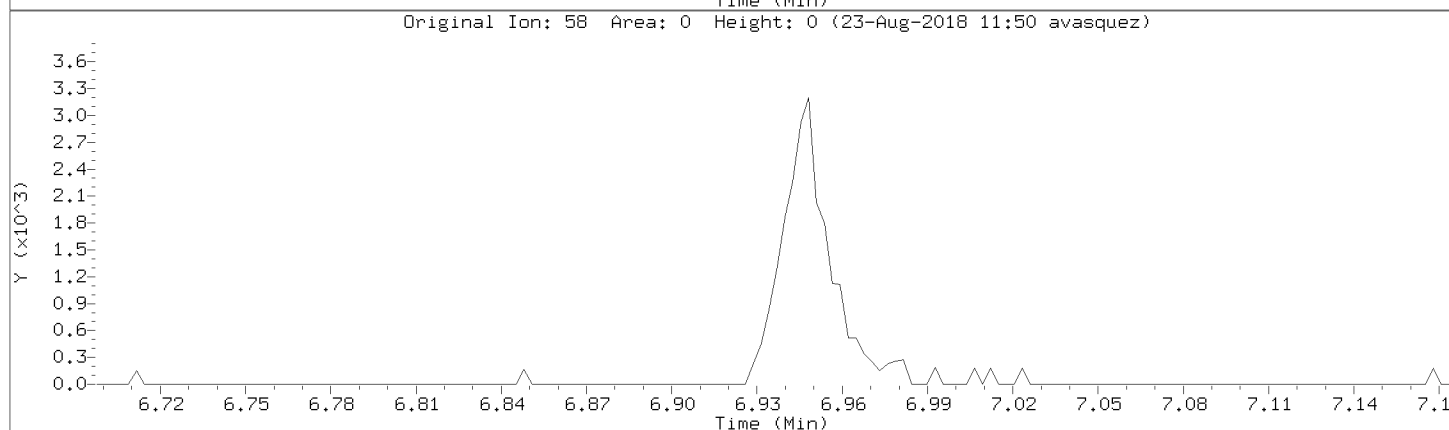
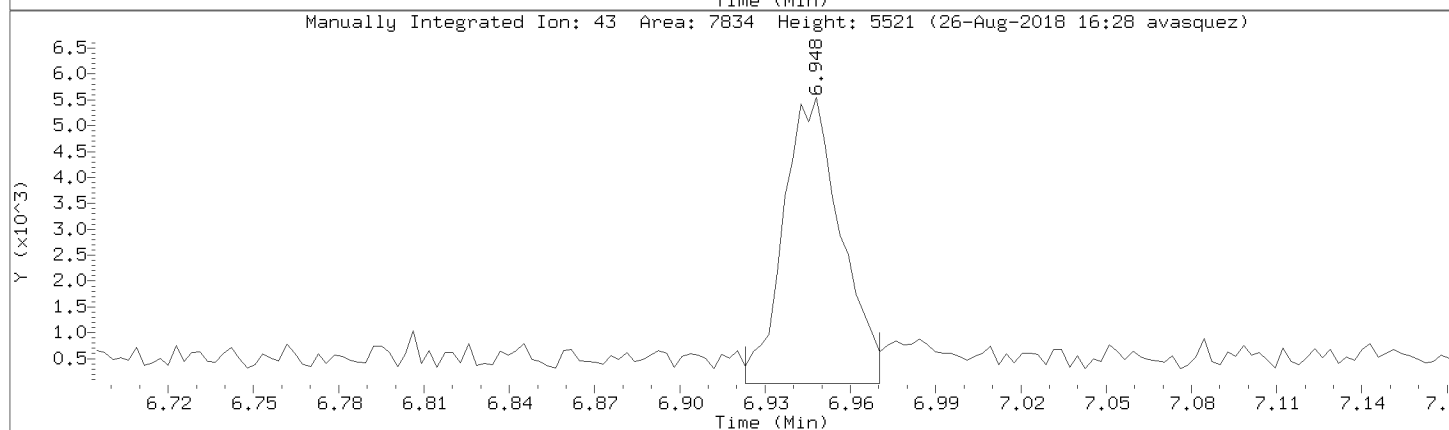
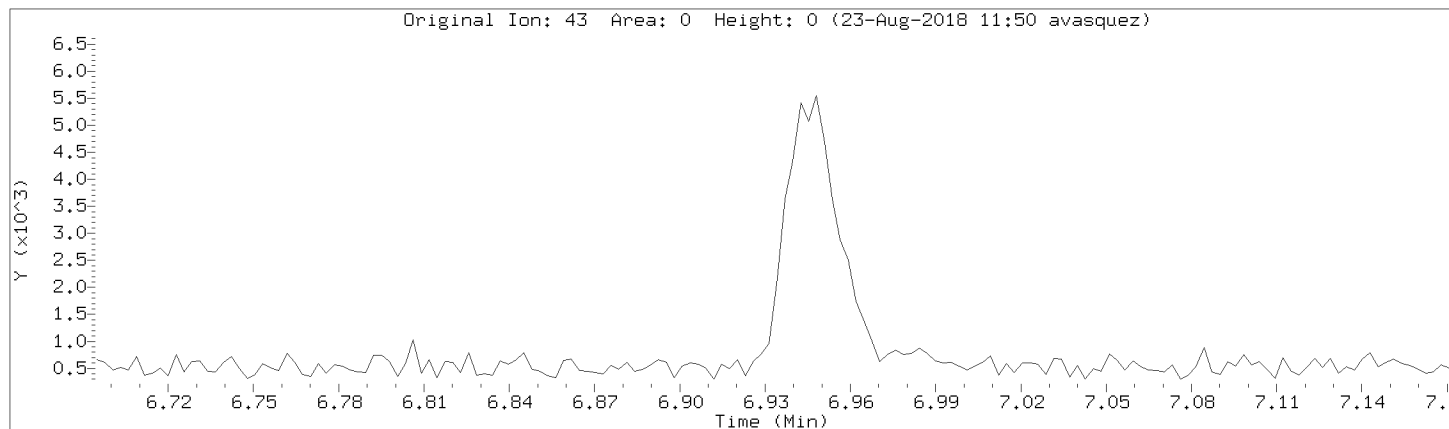
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

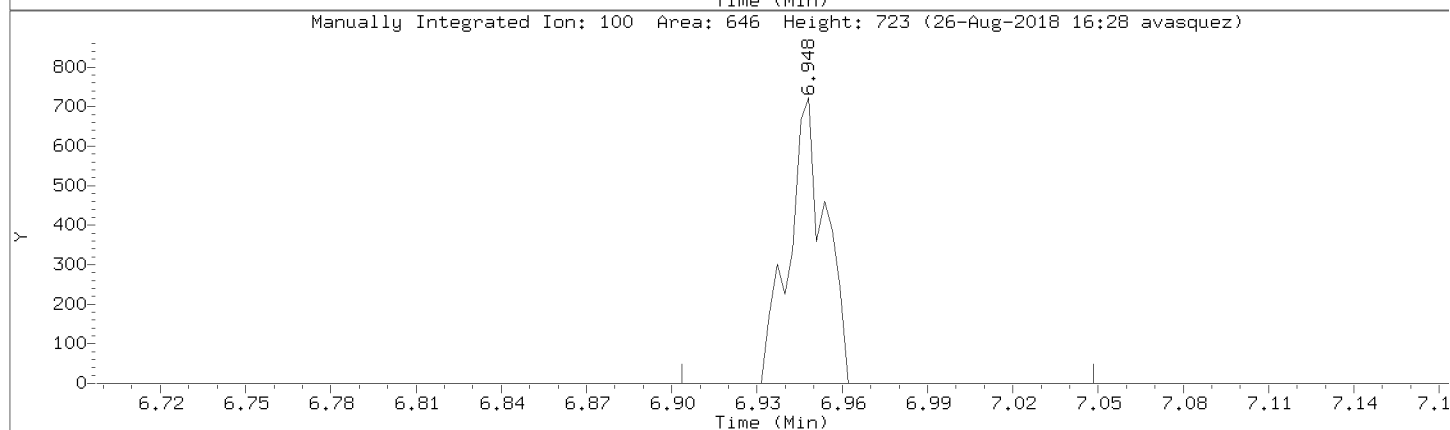
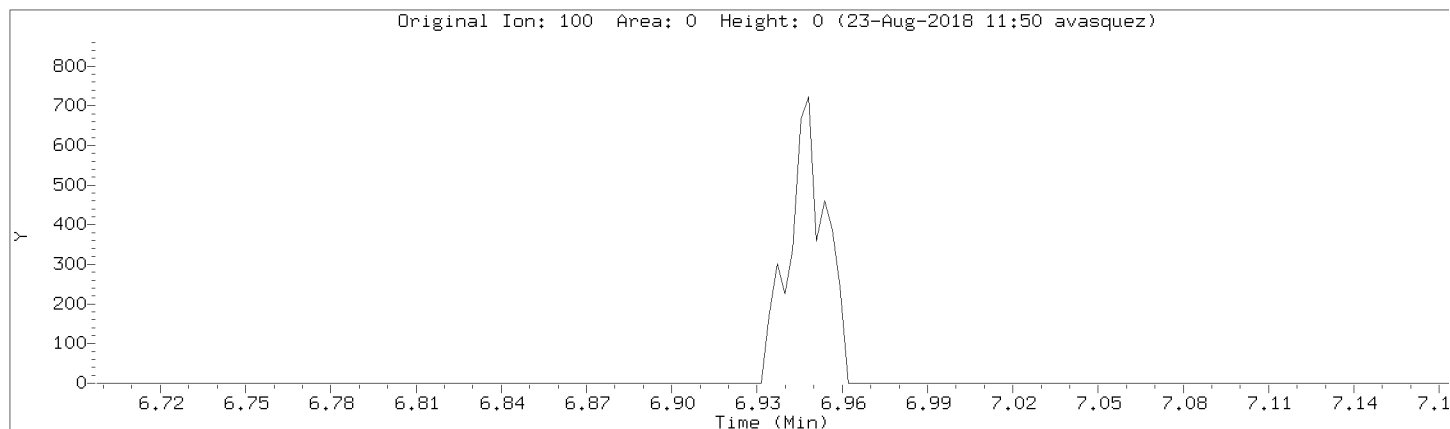
Compound: 2-Hexanone

Review Code: NI

CAS Number: 591-78-6



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 22-AUG-2018 14:52

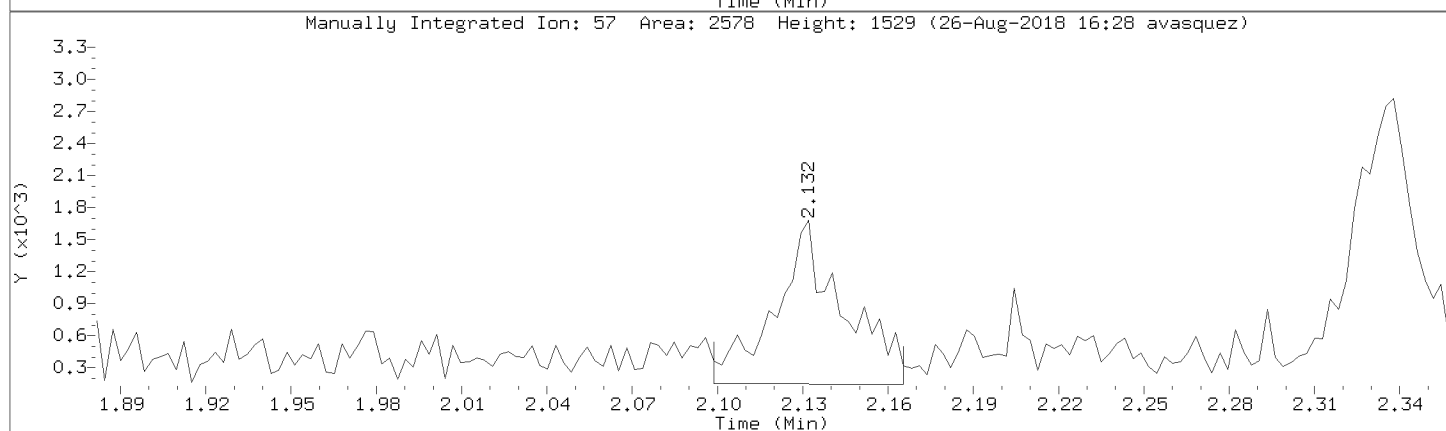
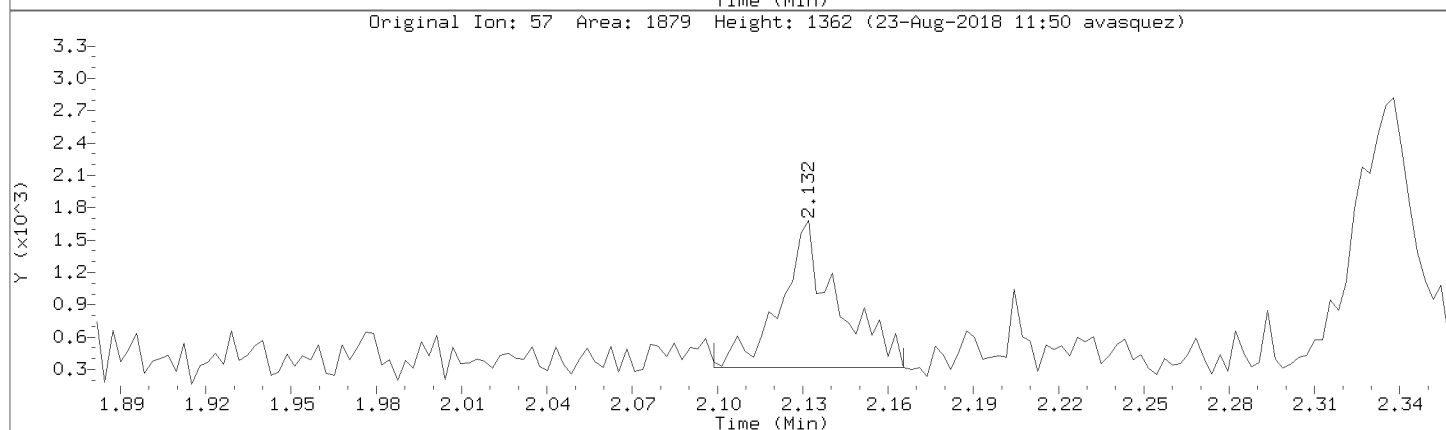
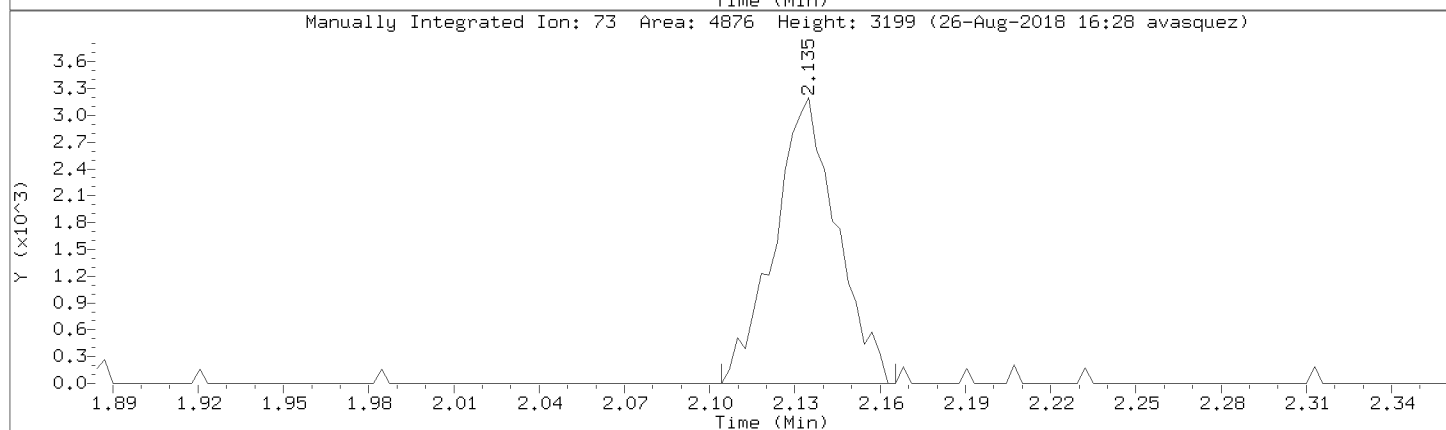
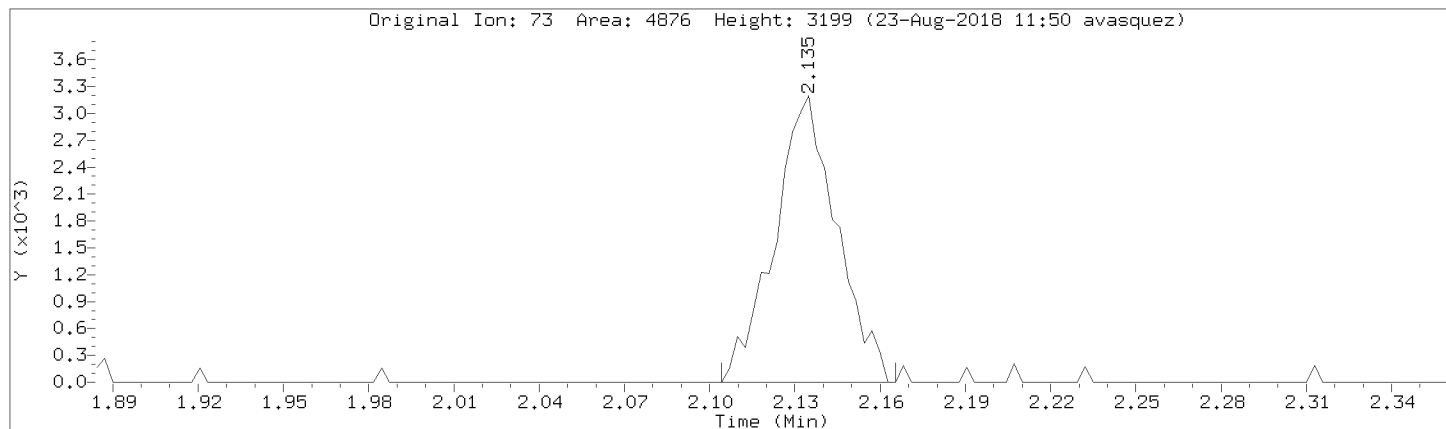
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: Methyl-tert-butyl ether

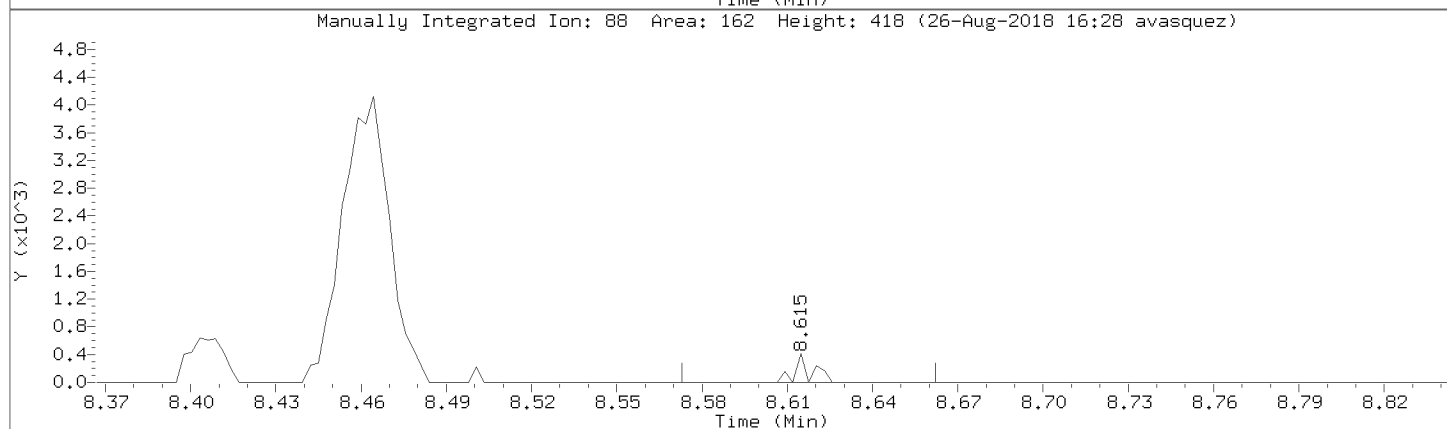
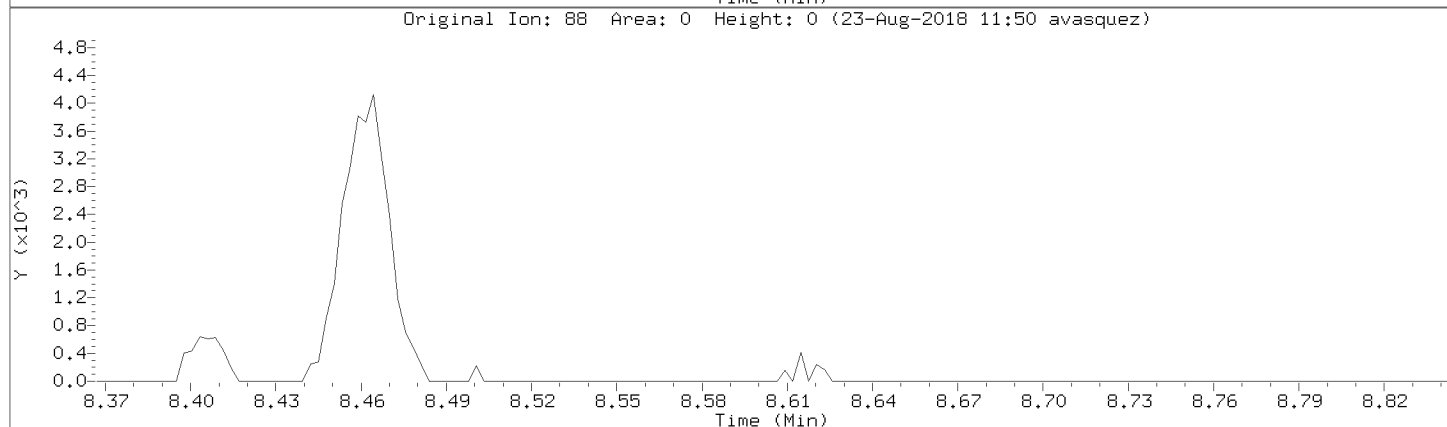
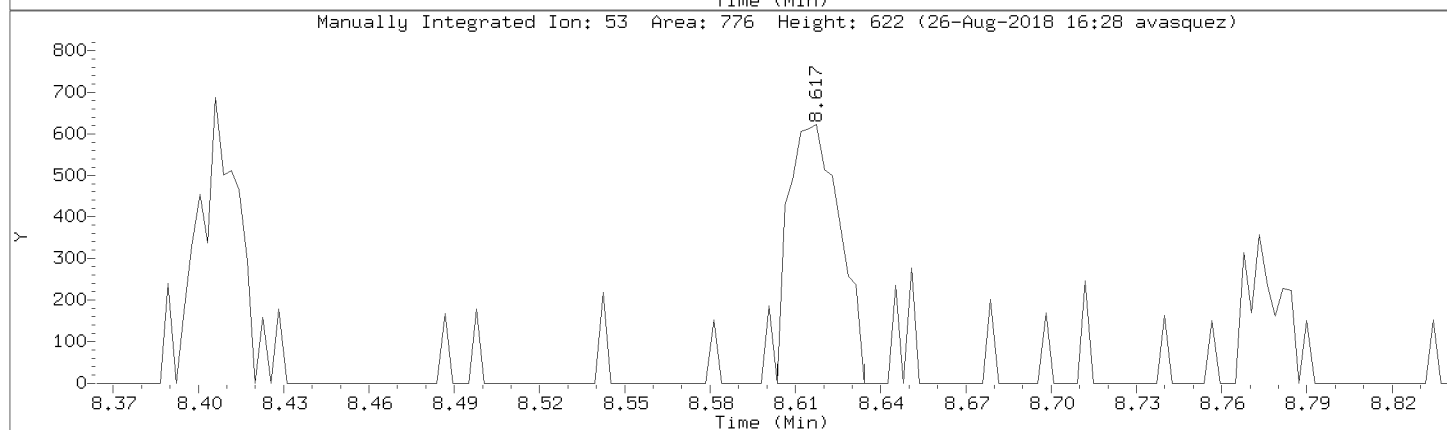
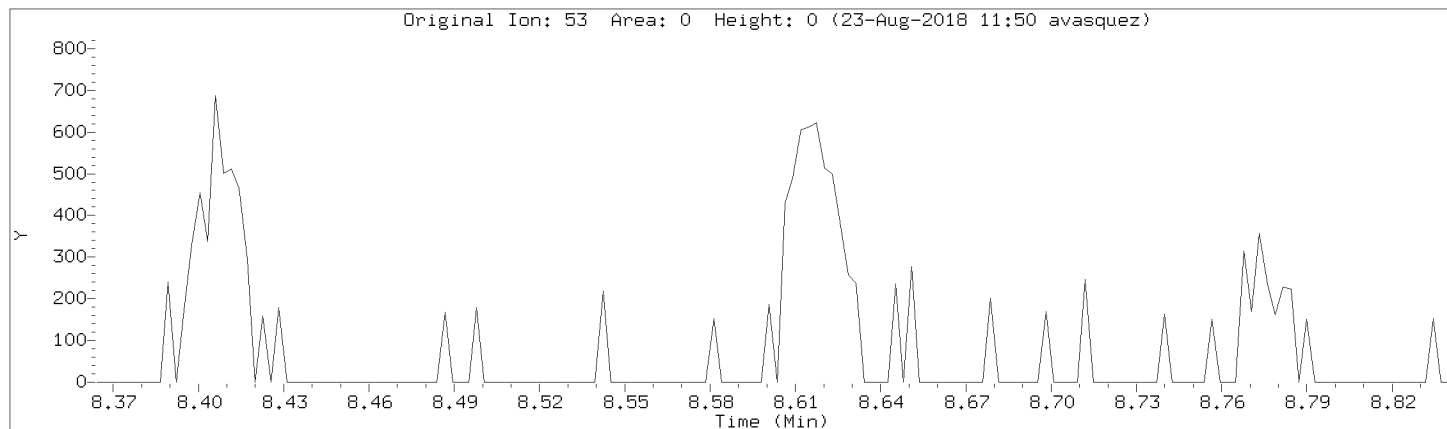
Review Code: BA

CAS Number: 1634-04-4



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: trans-1,4-Dichloro-2-butene Review Code: NI
CAS Number:

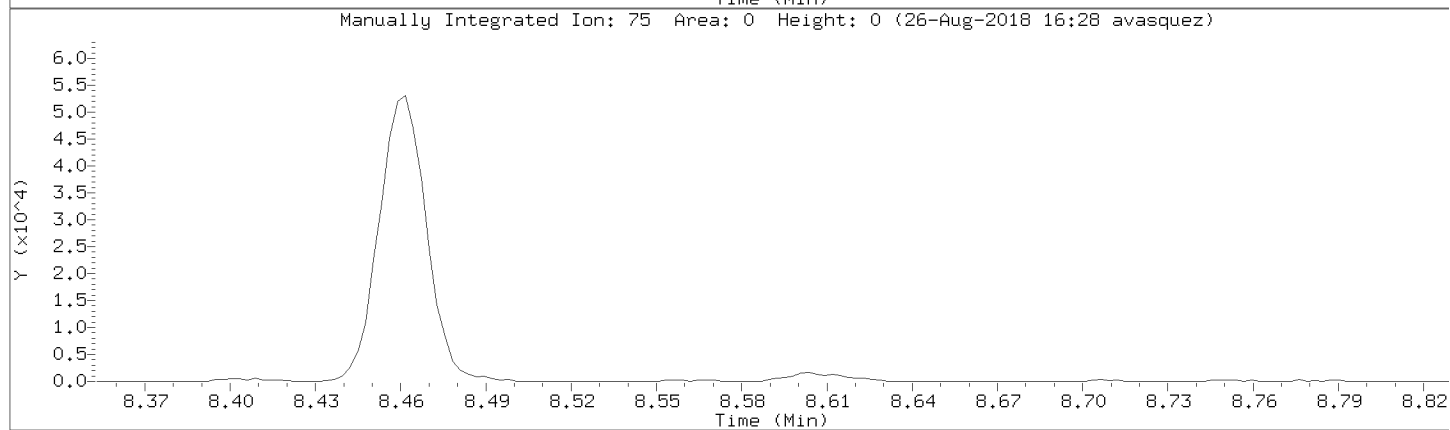
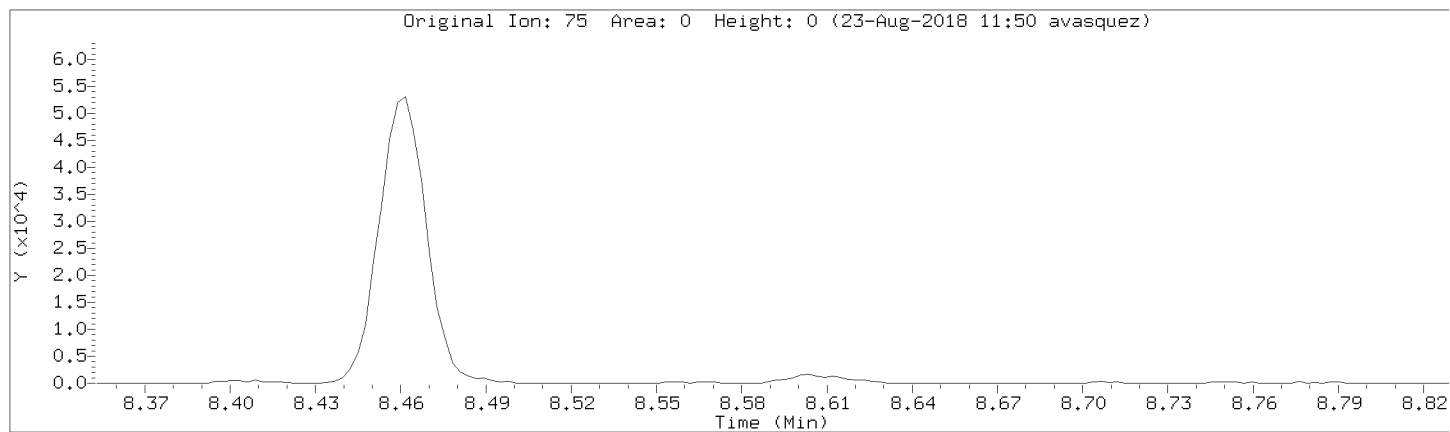


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Injection Date: 22-AUG-2018 14:52

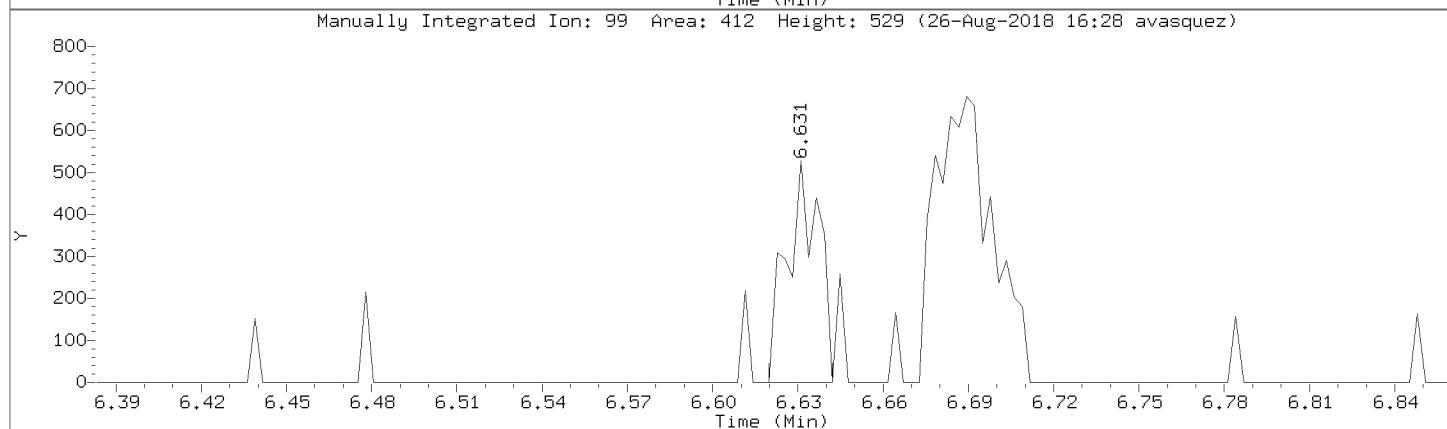
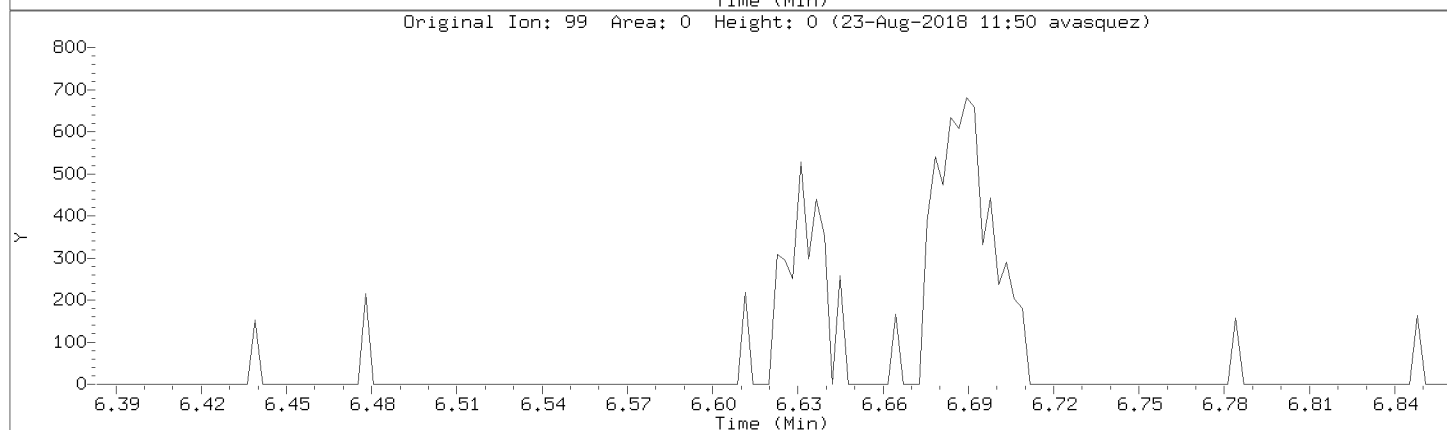
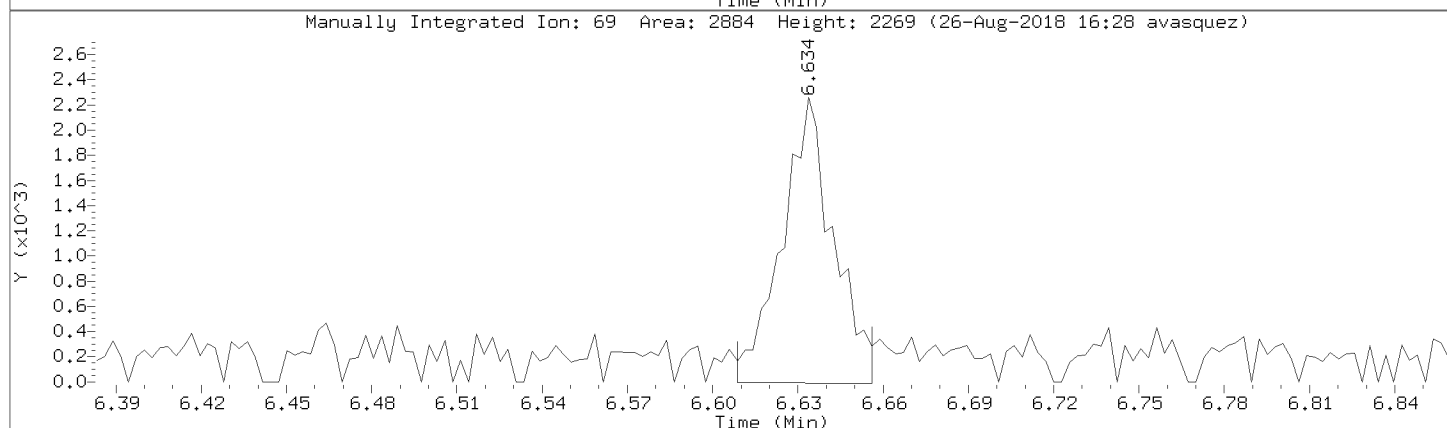
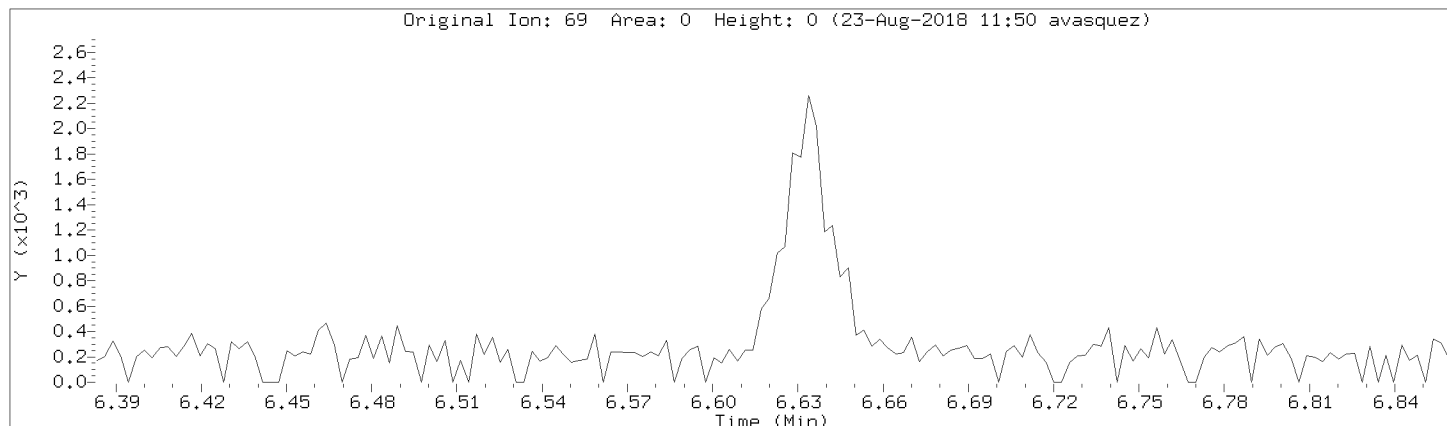
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

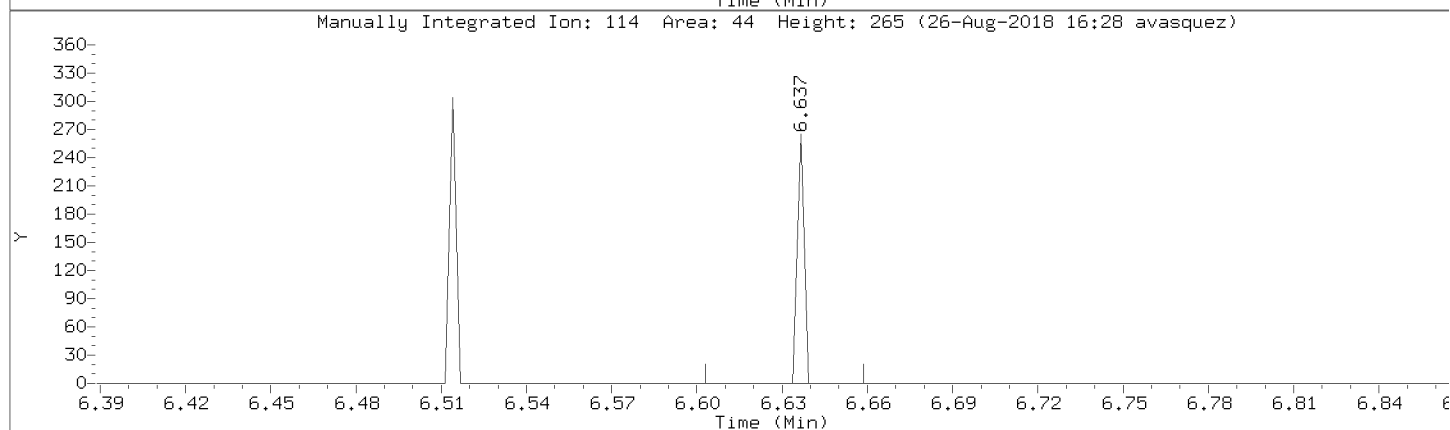
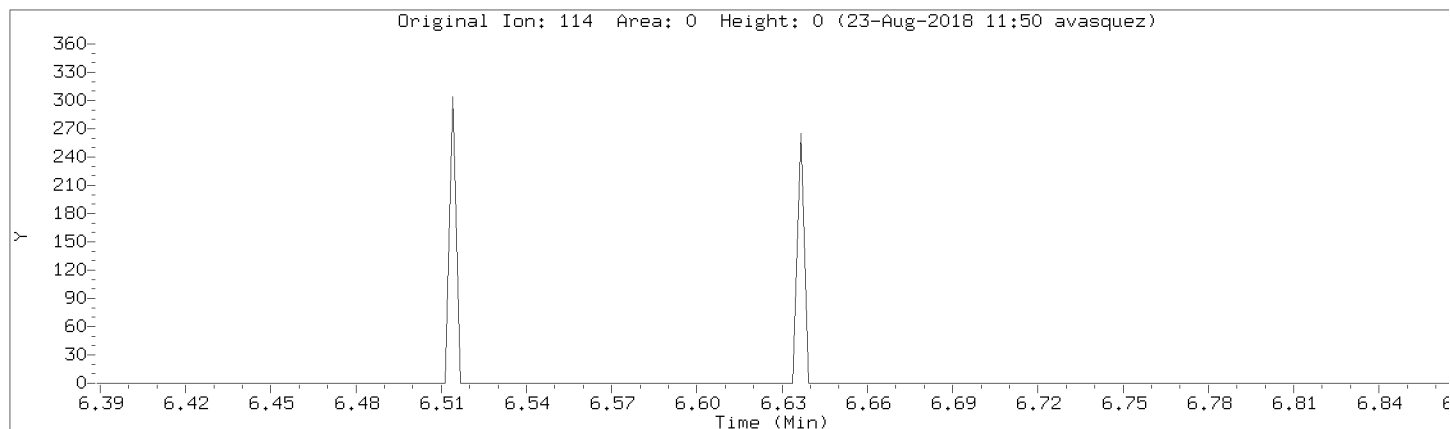


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: Ethyl Methacrylate Review Code: NI
CAS Number:



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 22-AUG-2018 14:52

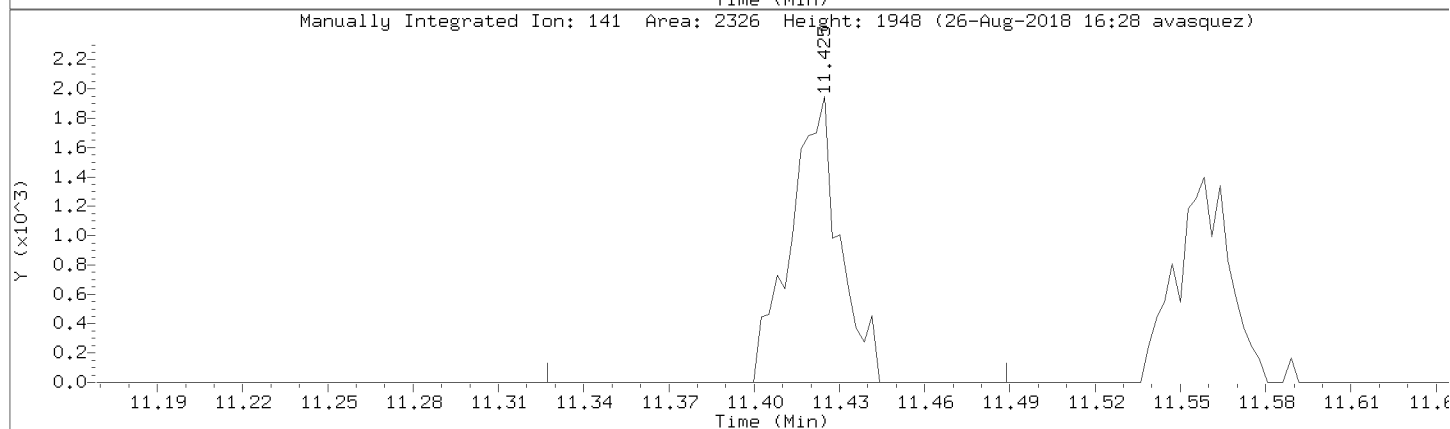
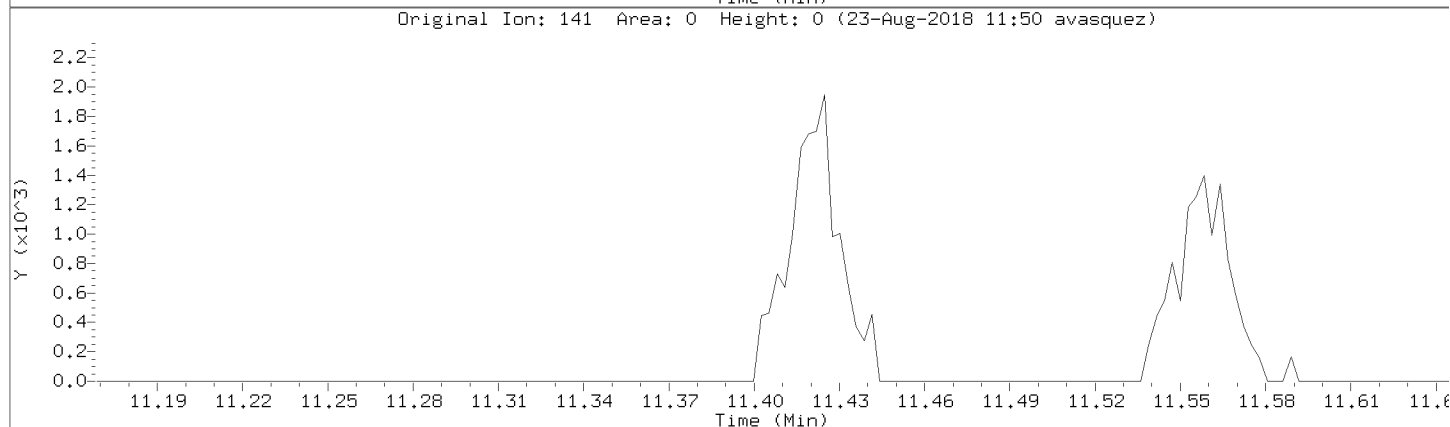
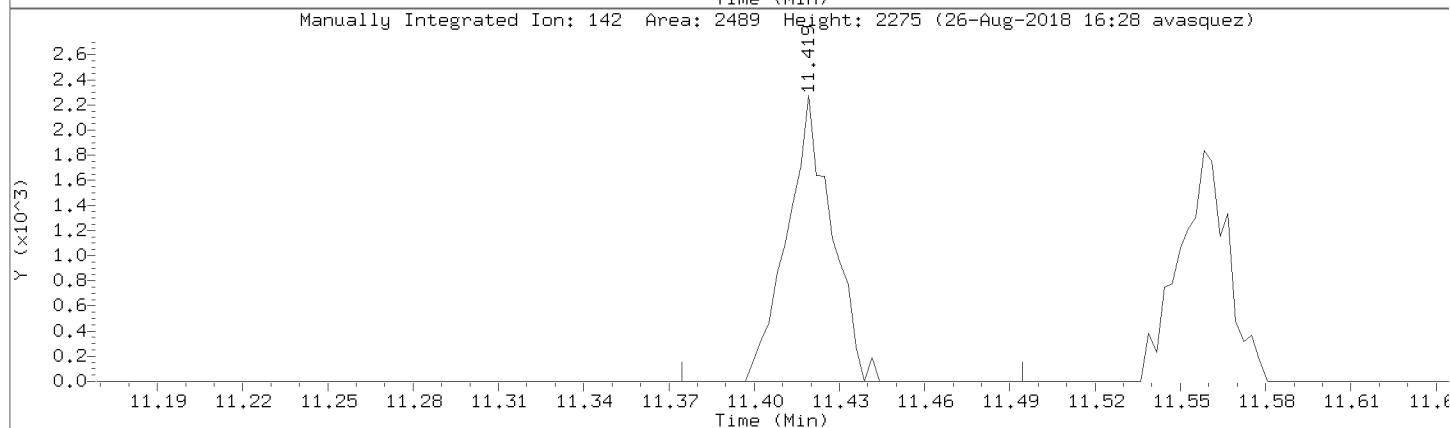
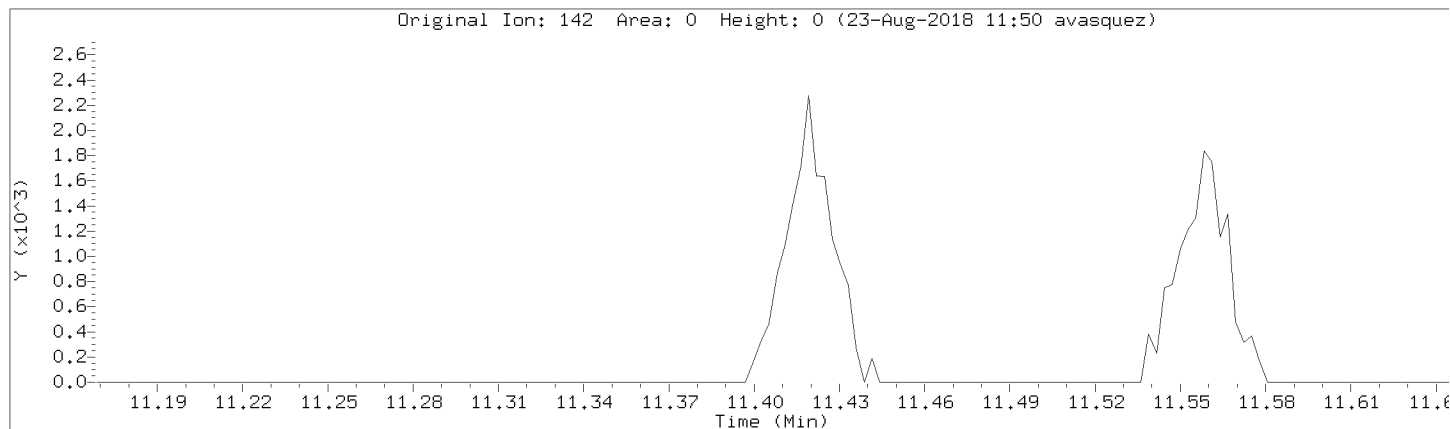
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Lab Sample ID: 8260-CAL2

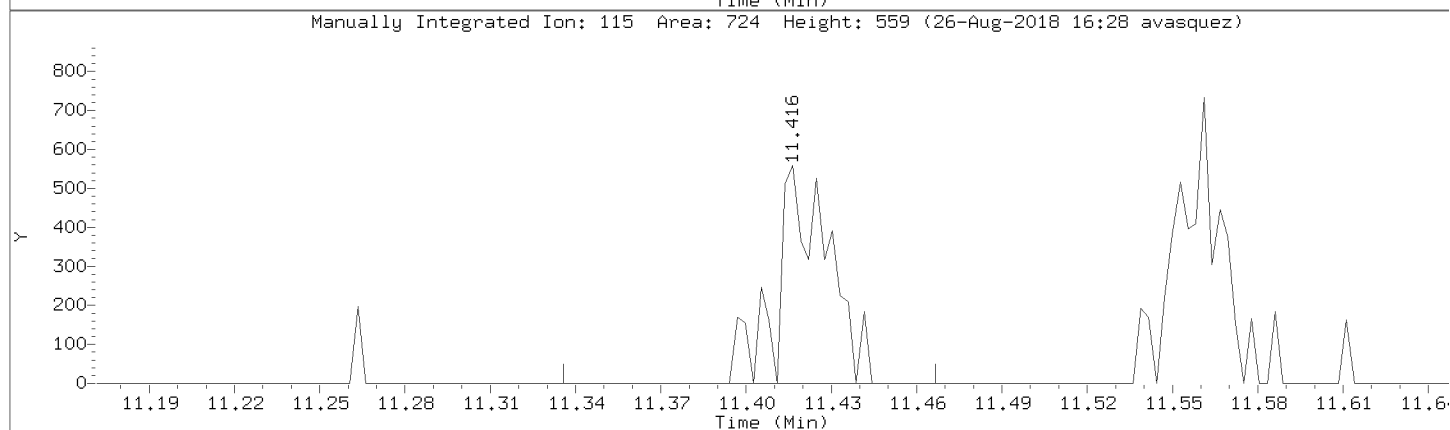
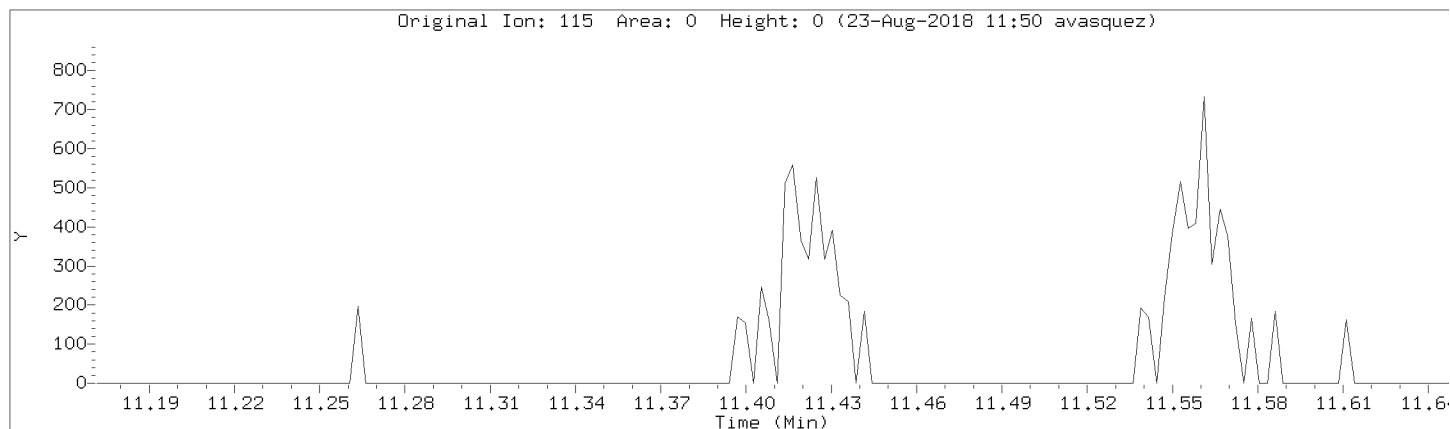
Compound: 2,methyl-naphthalene

Review Code: NI

CAS Number:

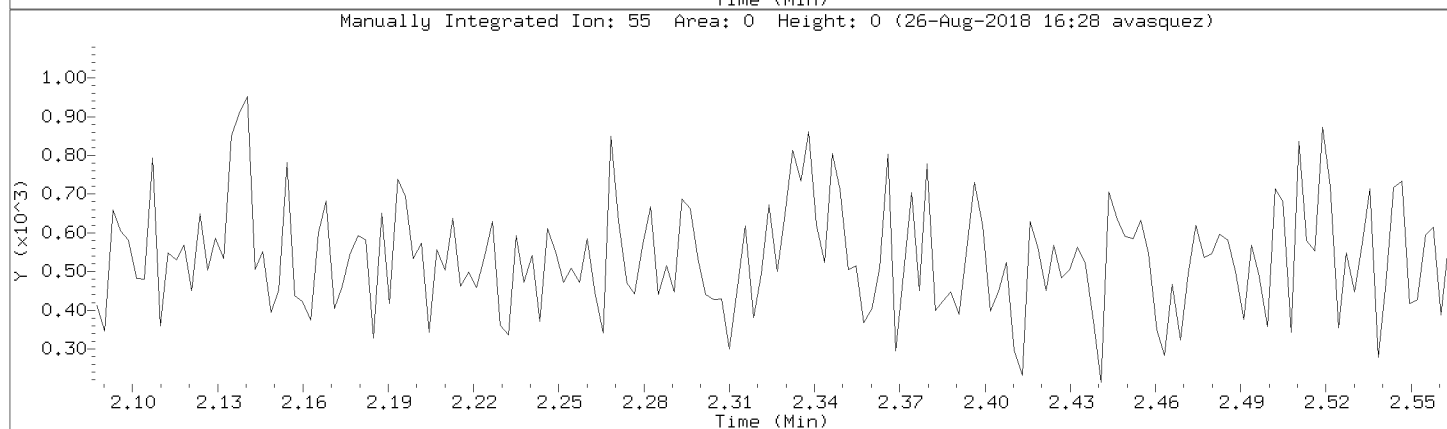
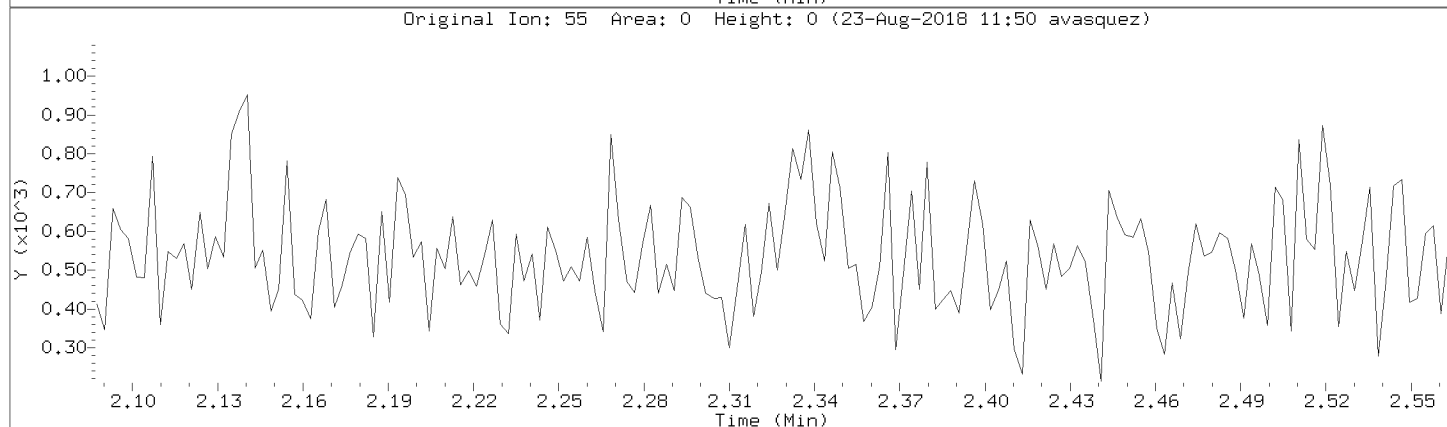
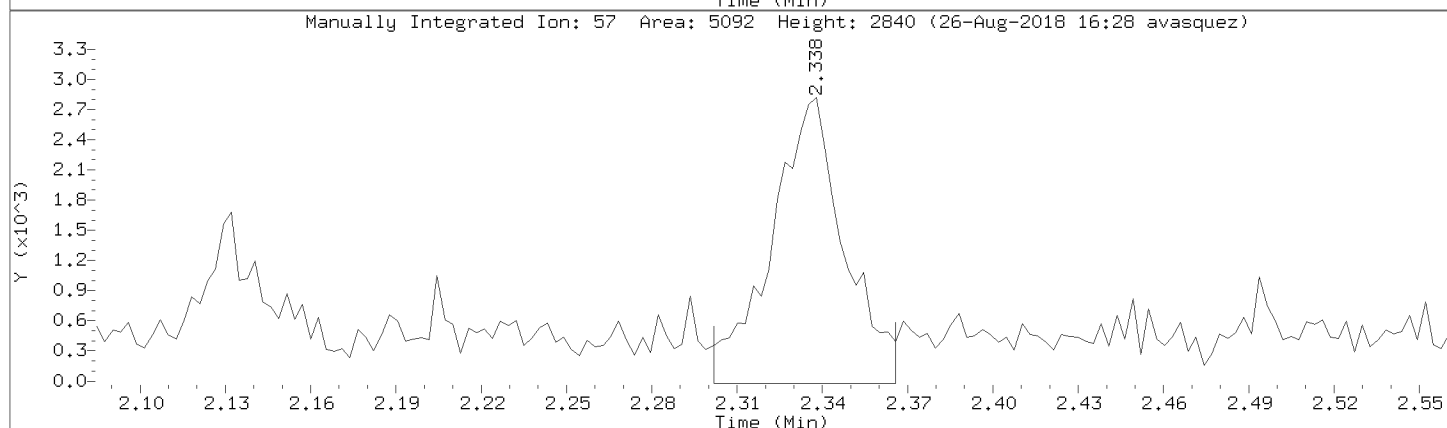
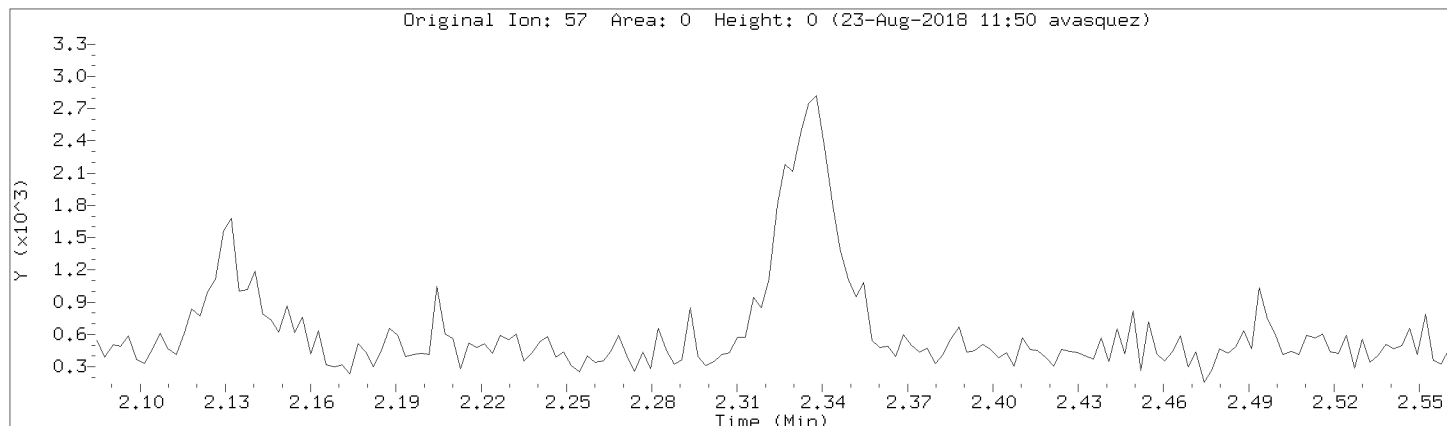


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: n-Hexane Review Code: NI
CAS Number:



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d

Injection Date: 22-AUG-2018 14:52

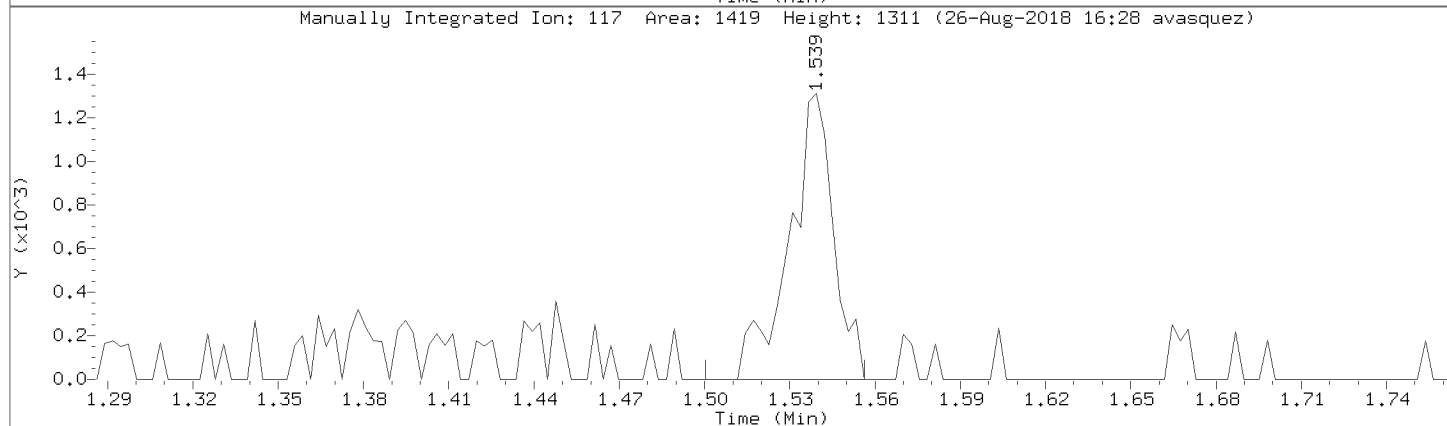
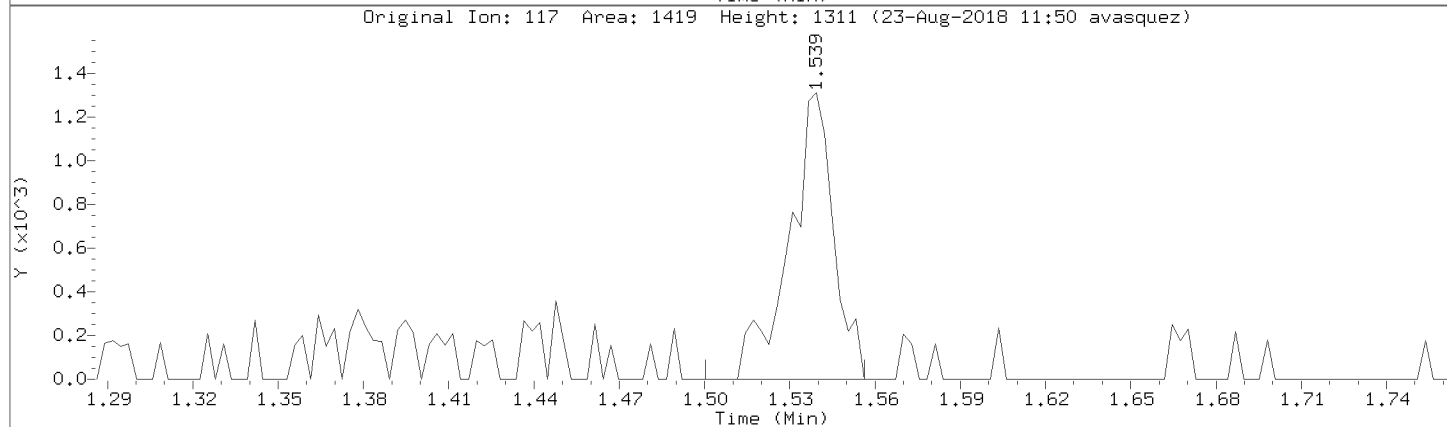
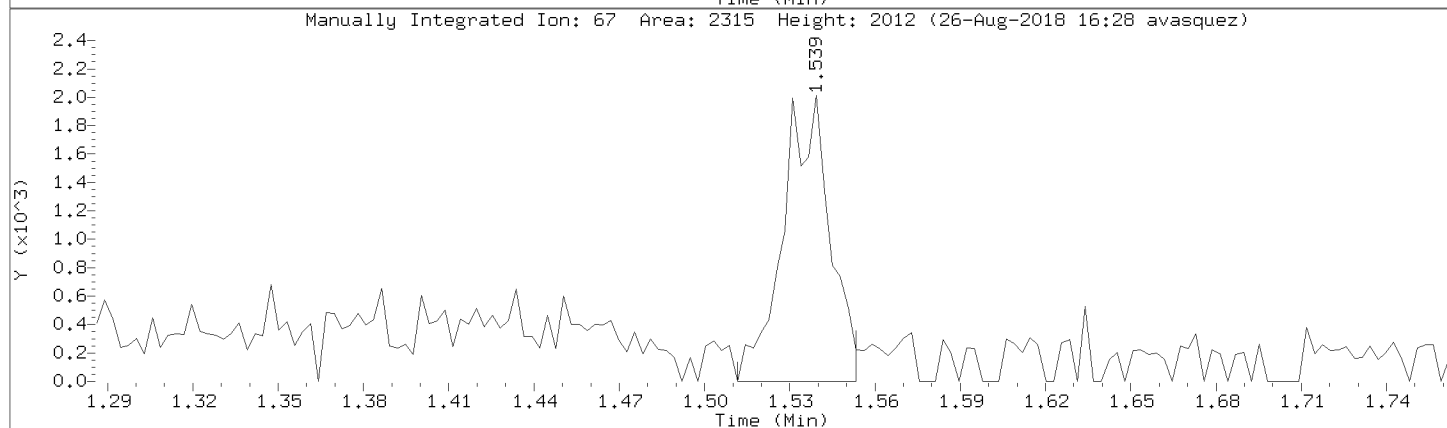
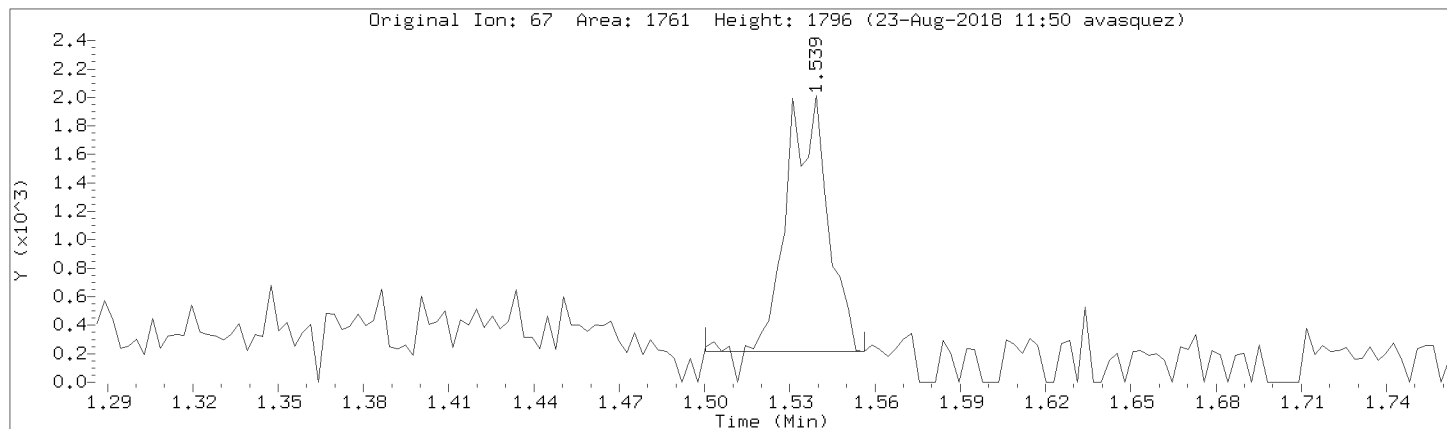
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

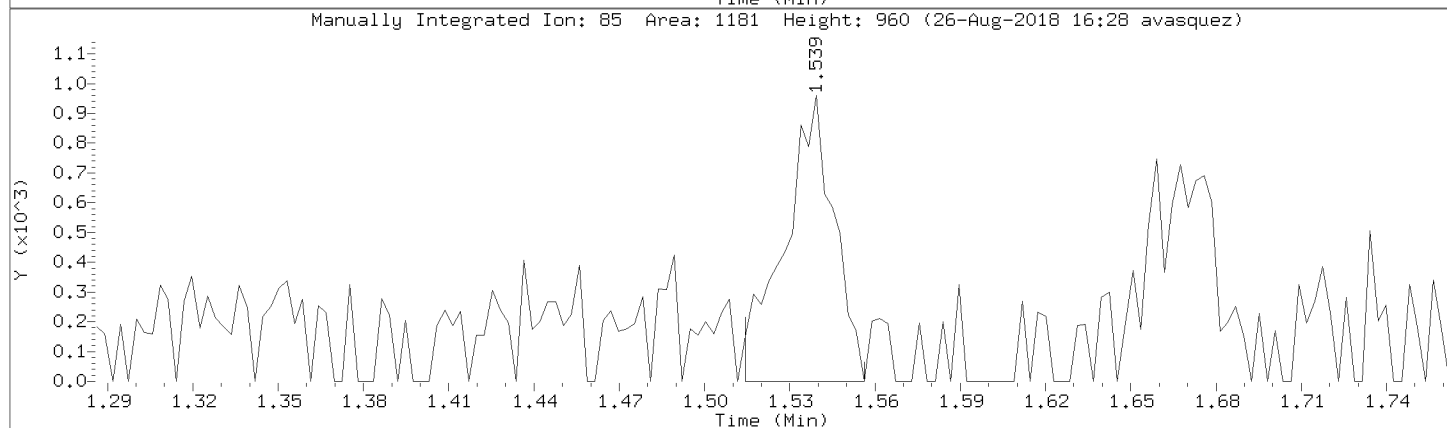
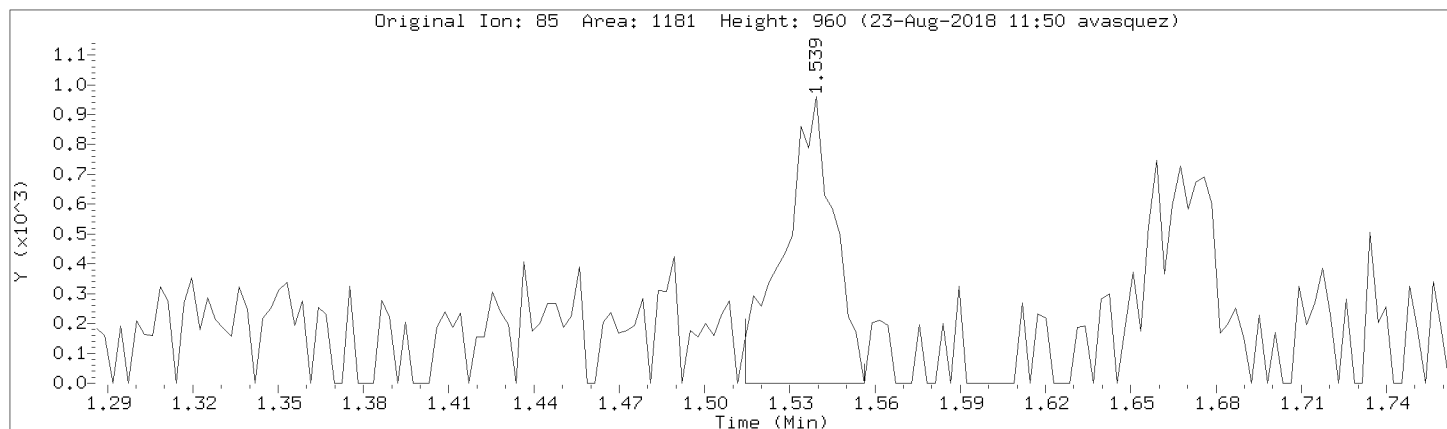
Compound: 1,2-dichlorotrifluoroethane

Review Code: NI

CAS Number: 354-23-4



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 22-AUG-2018 14:52

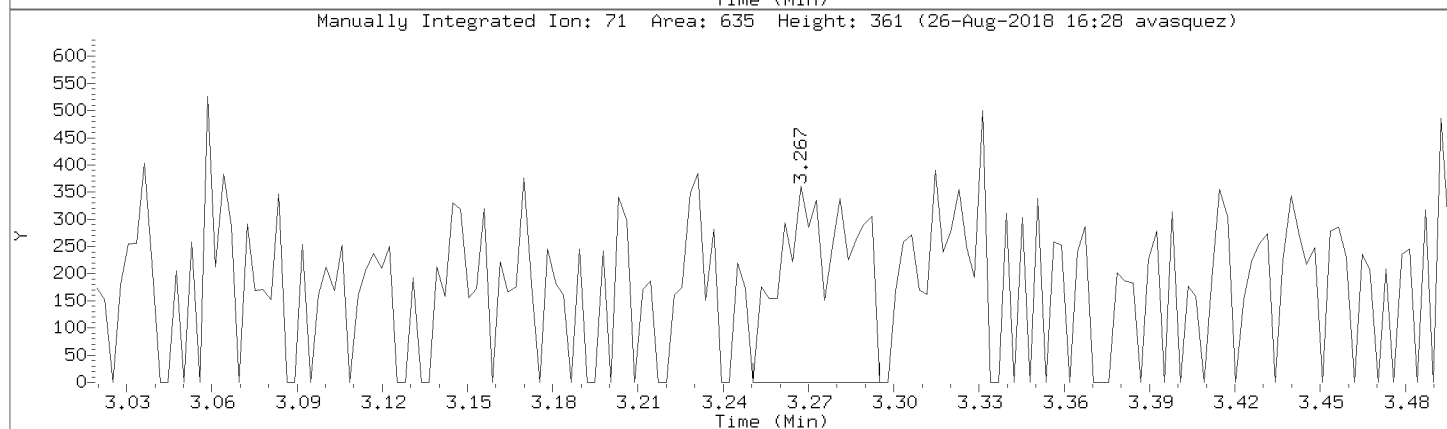
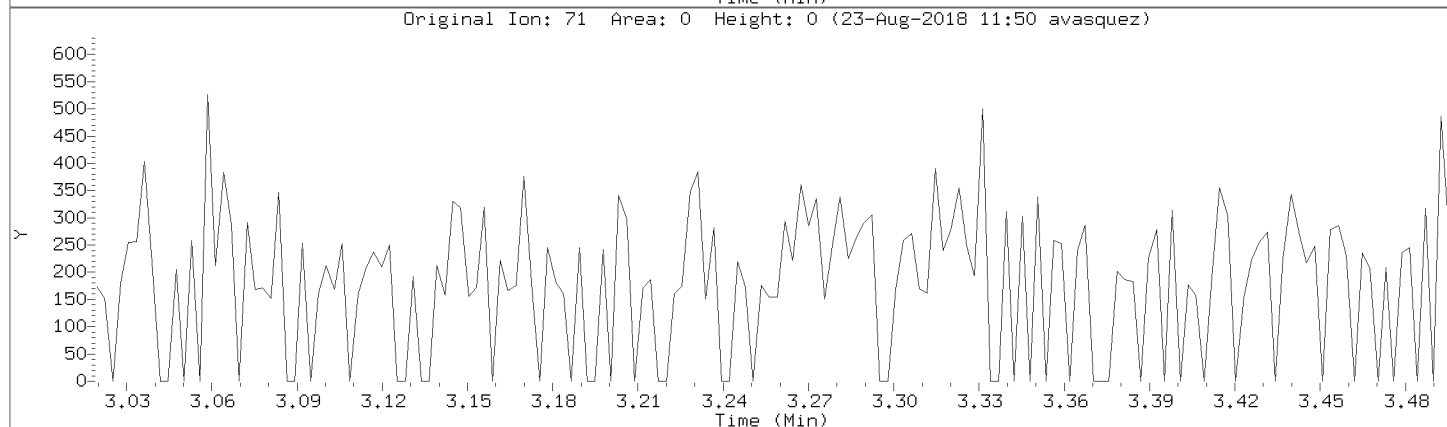
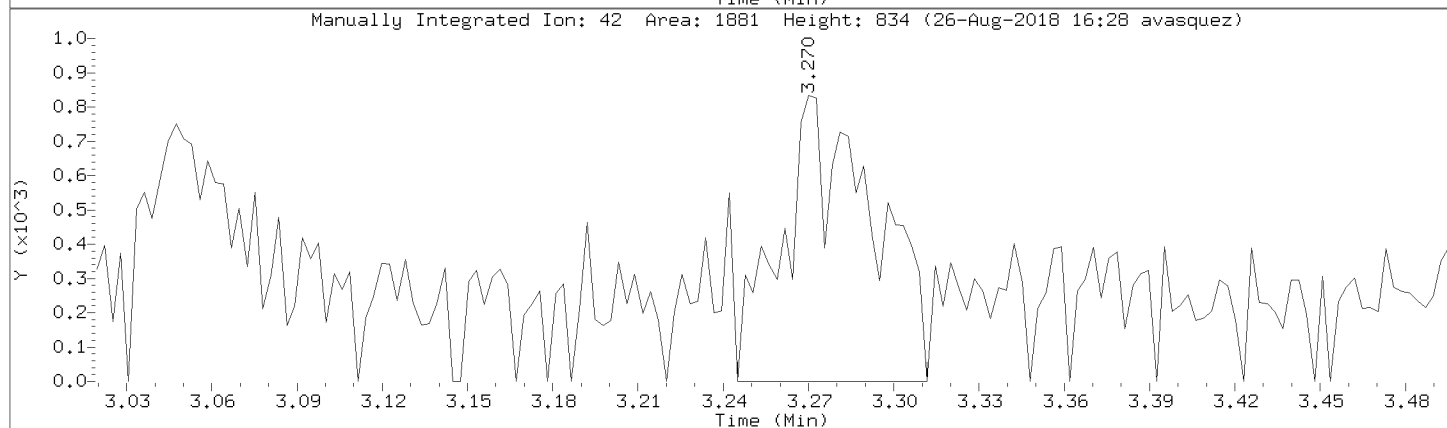
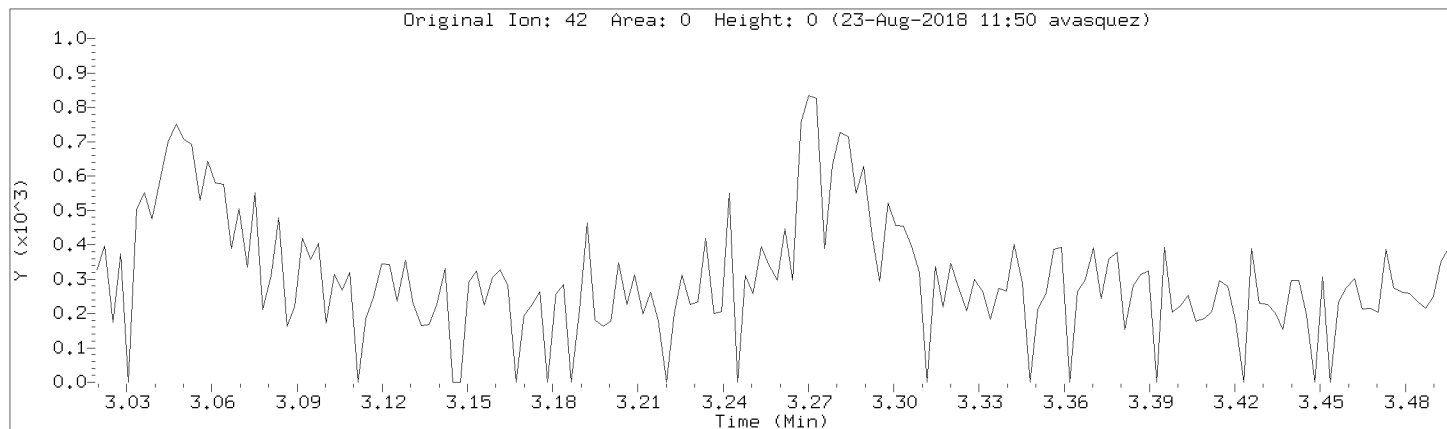
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

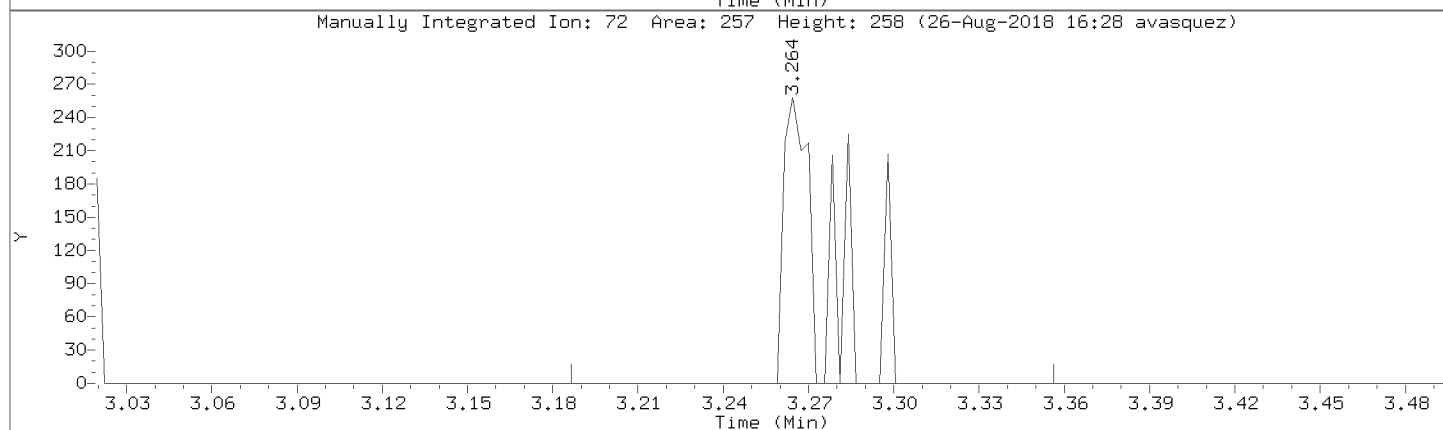
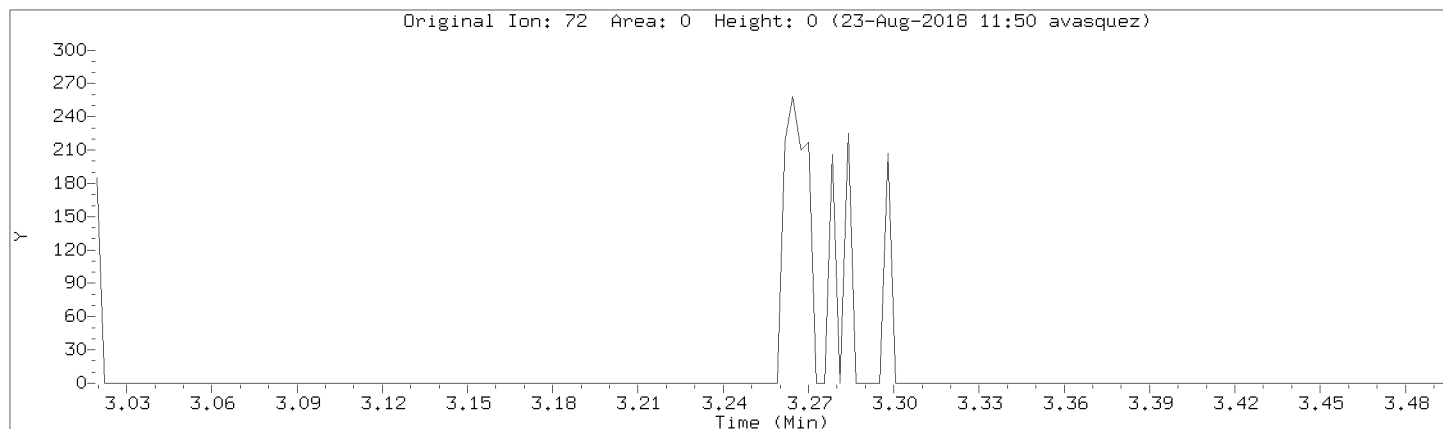
Compound: Tetrahydrofuran

Review Code: NI

CAS Number:



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\03cal.d

Injection Date: 22-AUG-2018 14:52

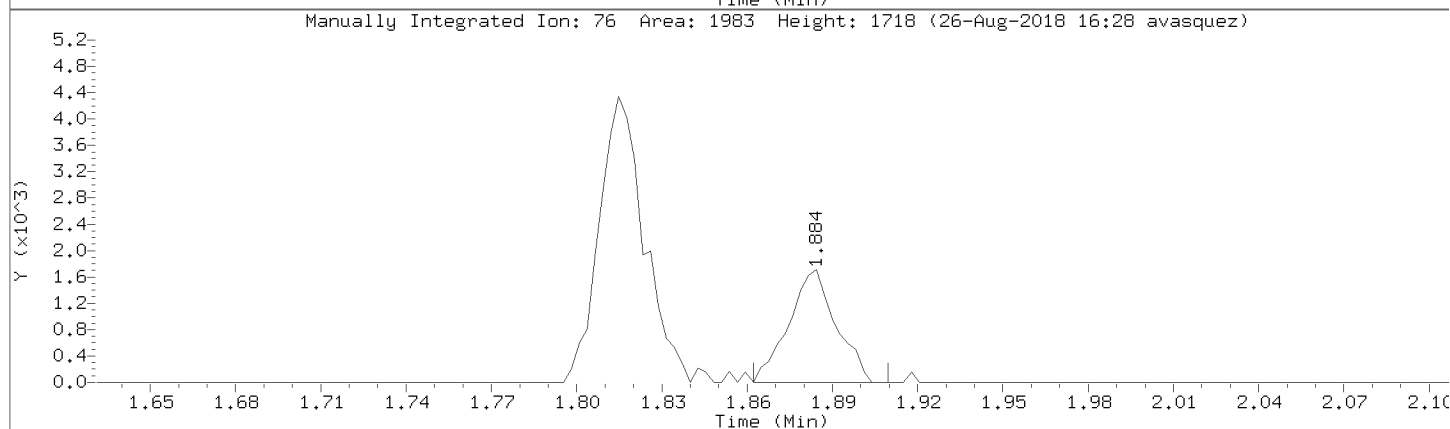
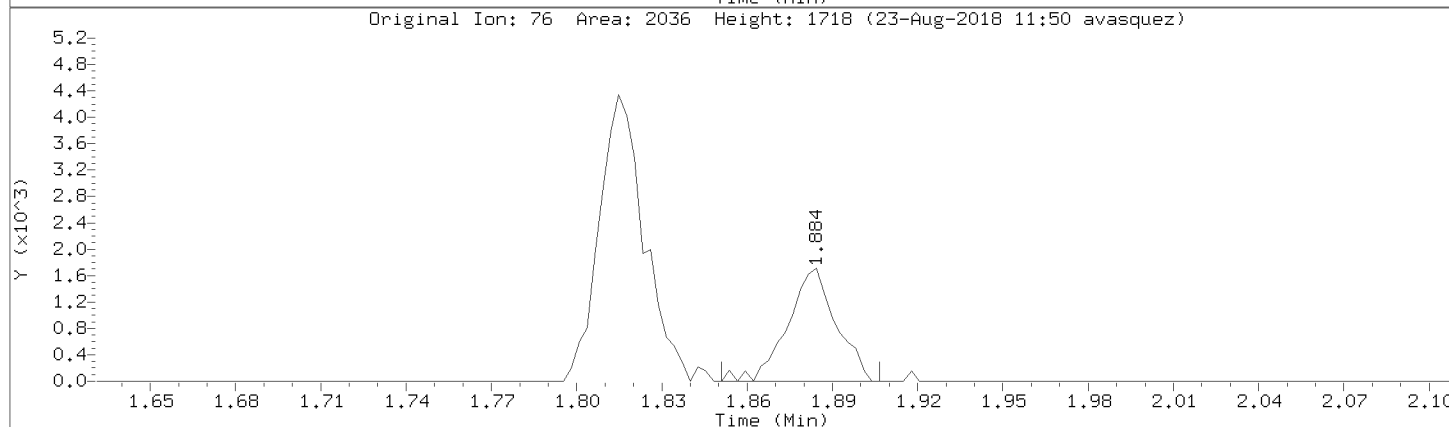
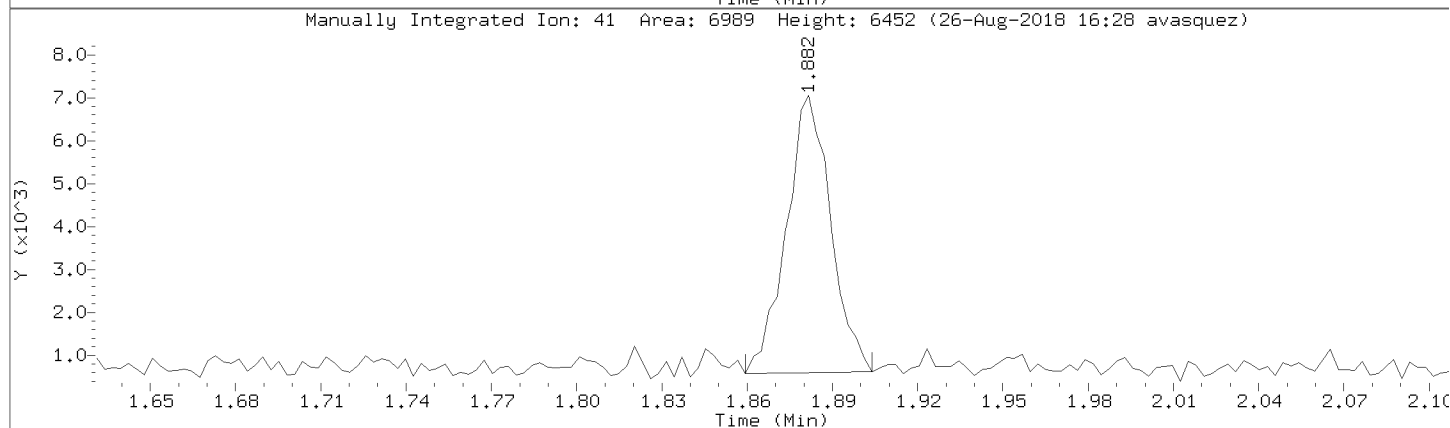
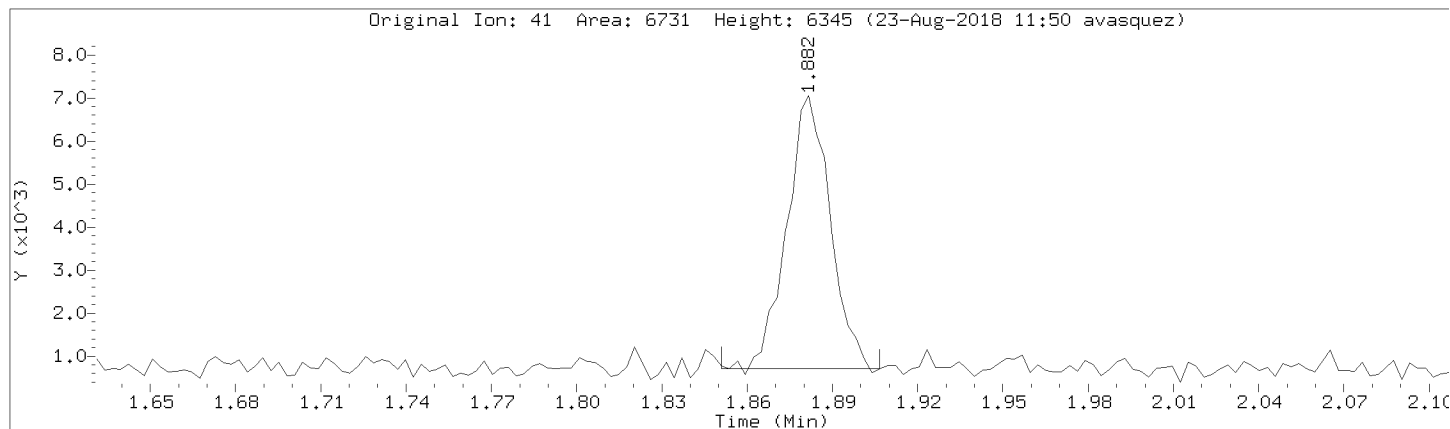
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: allyl chloride

Review Code: WP

CAS Number: 107-05-1



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Injection Date: 22-AUG-2018 14:52

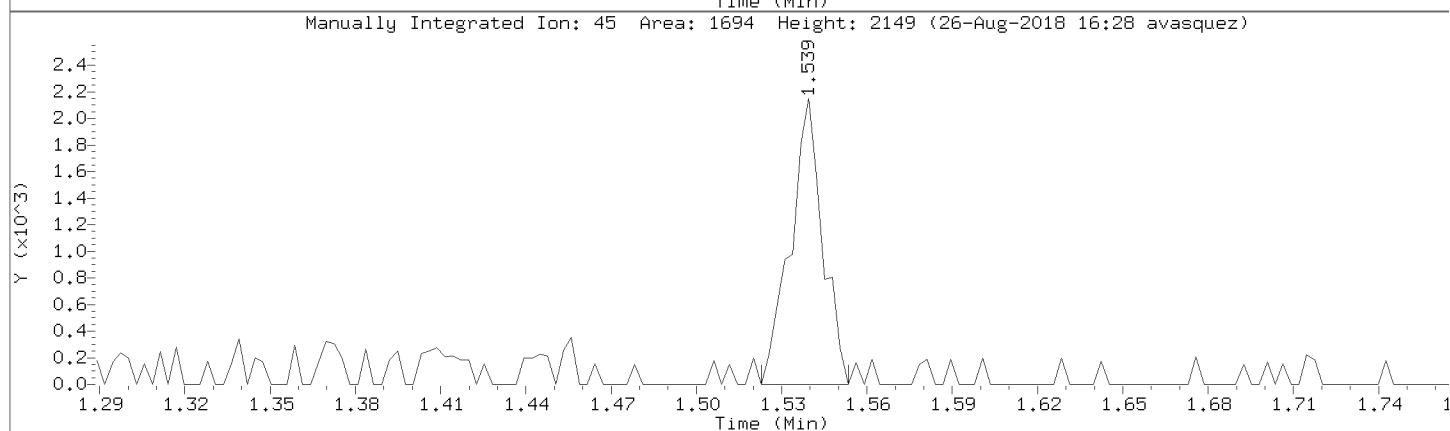
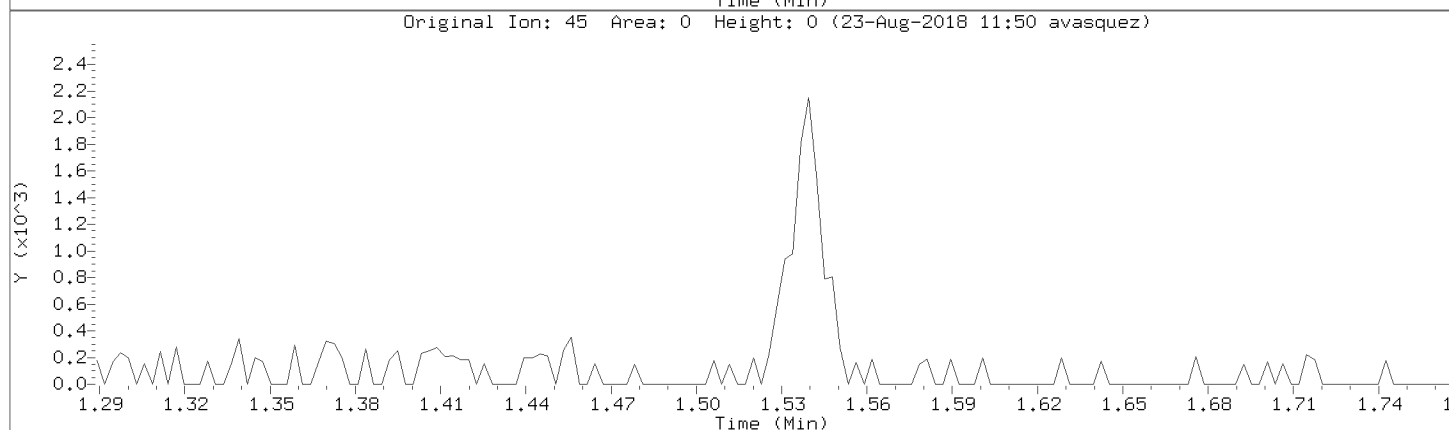
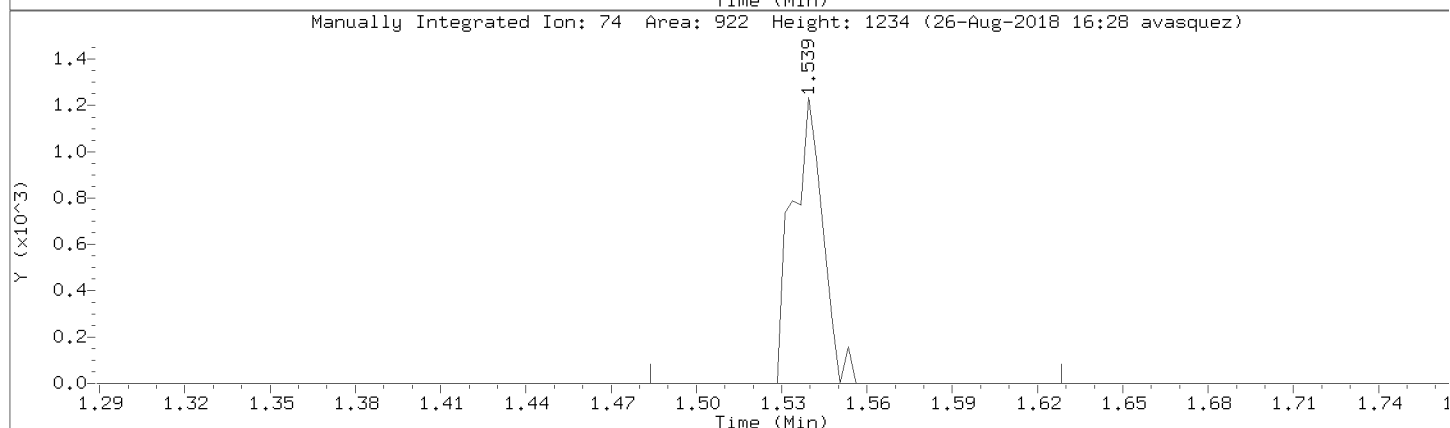
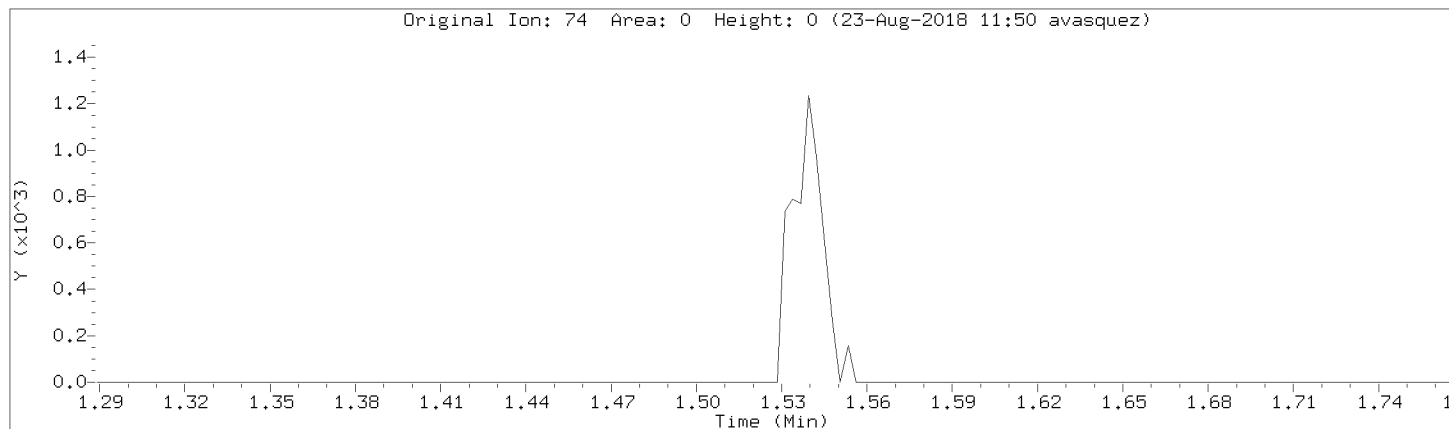
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

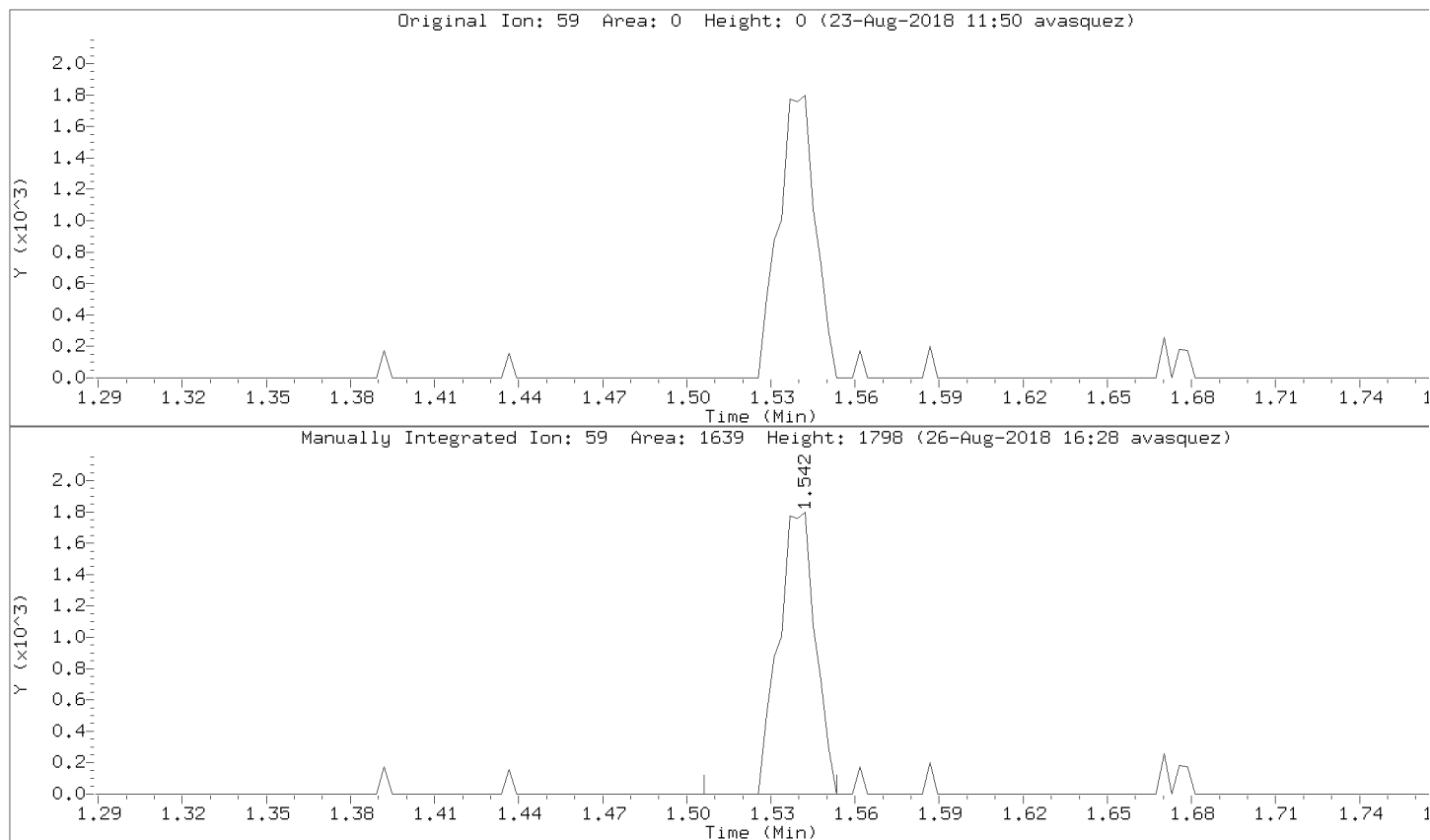
Compound: Diethyl ether

Review Code: NI

CAS Number: 60-29-7



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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 22-AUG-2018 14:52

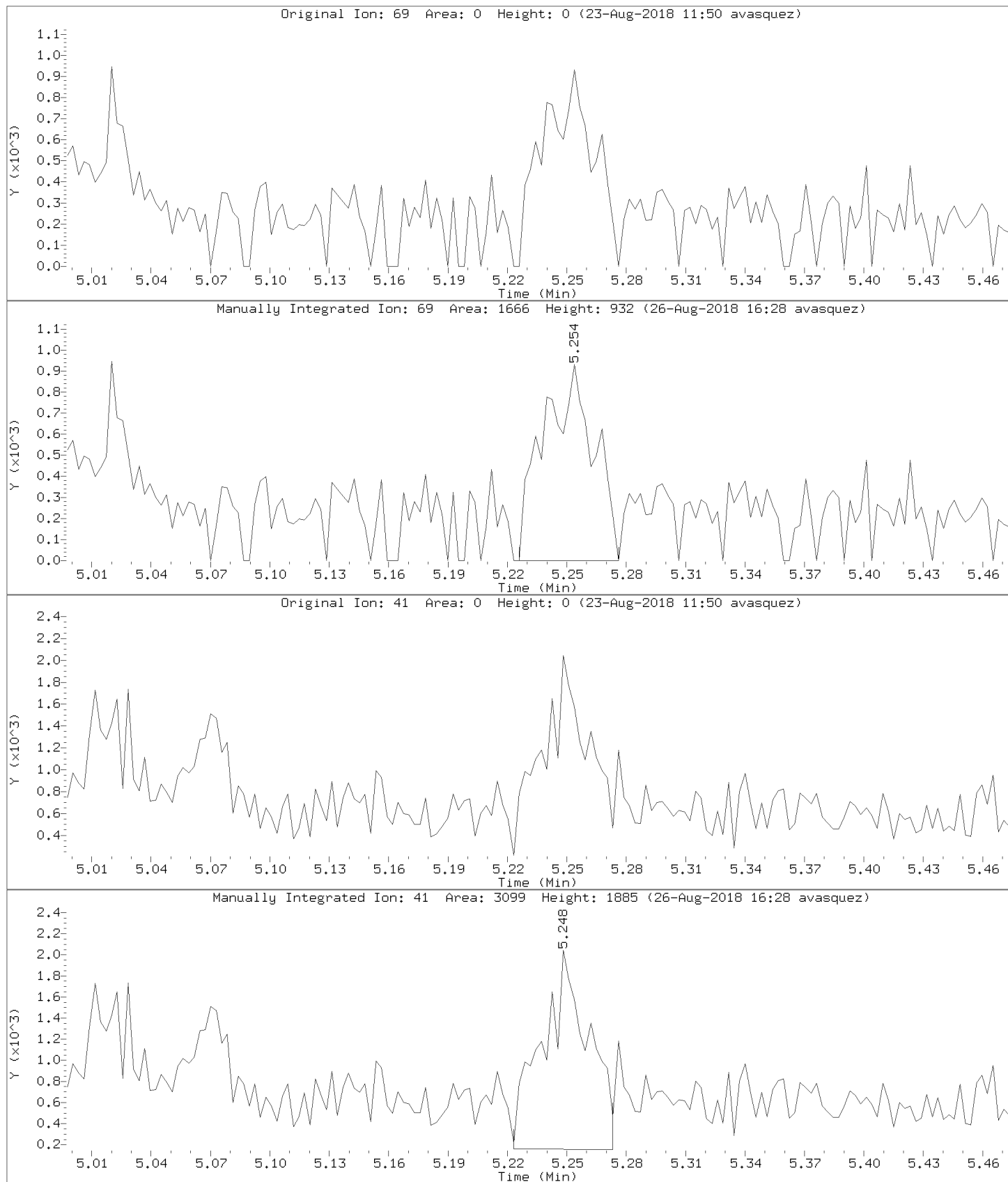
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Lab Sample ID: 8260-CAL2

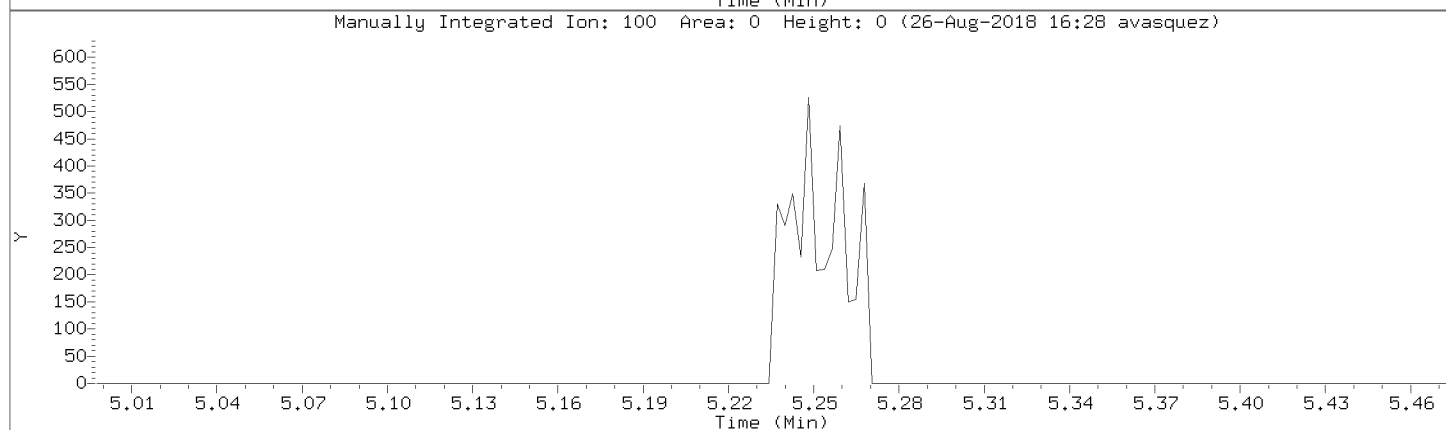
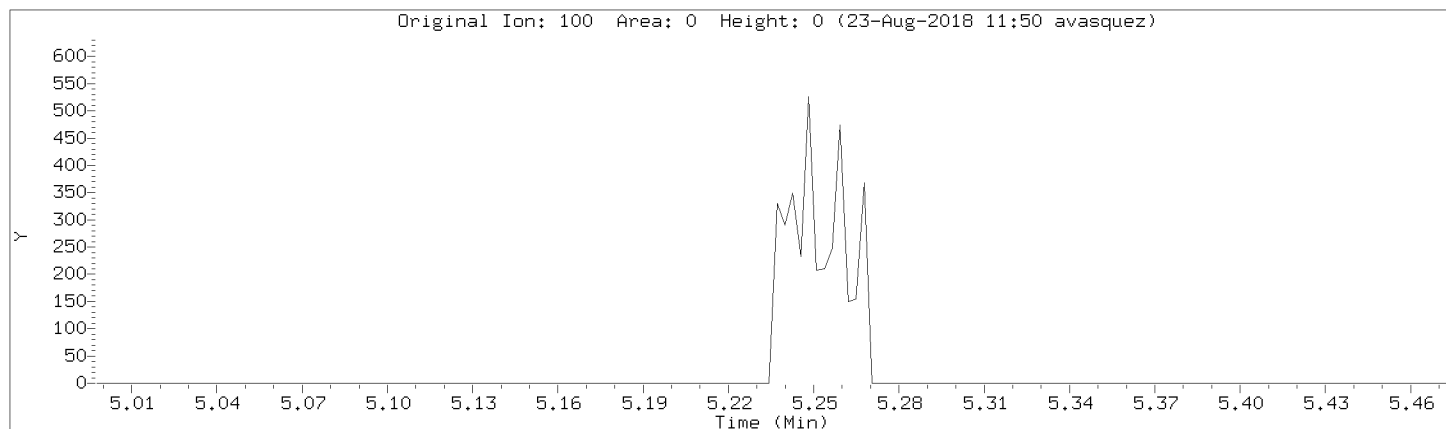
Compound: Methyl methacrylate

Review Code: NI

CAS Number: 80-62-6

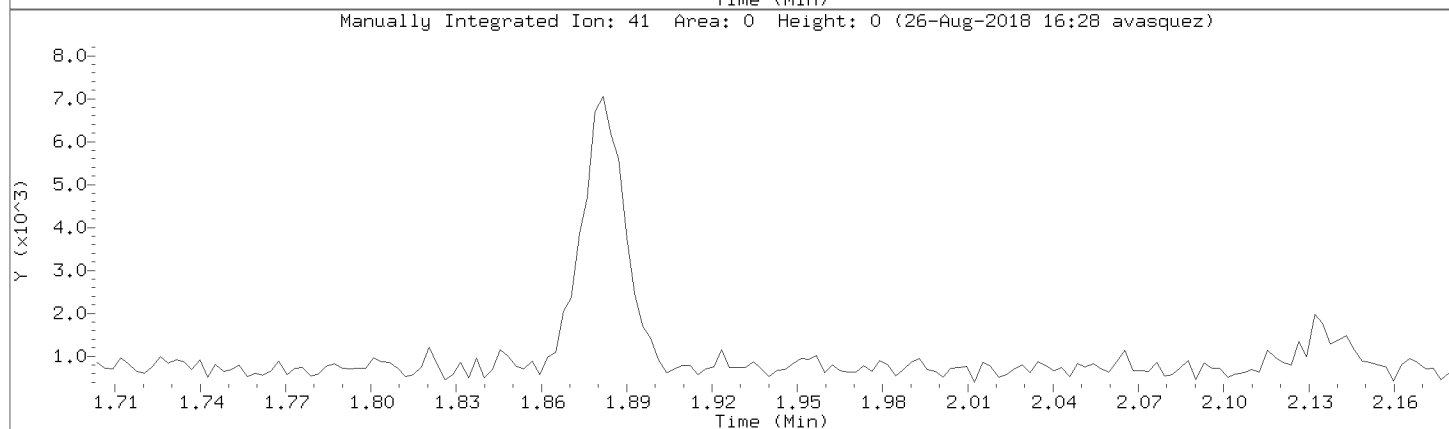
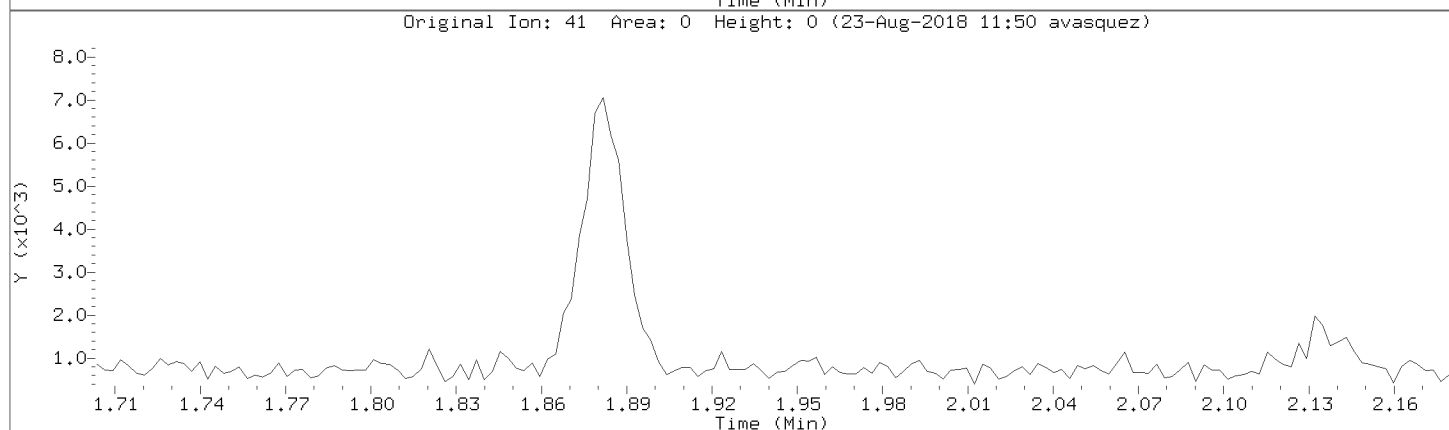
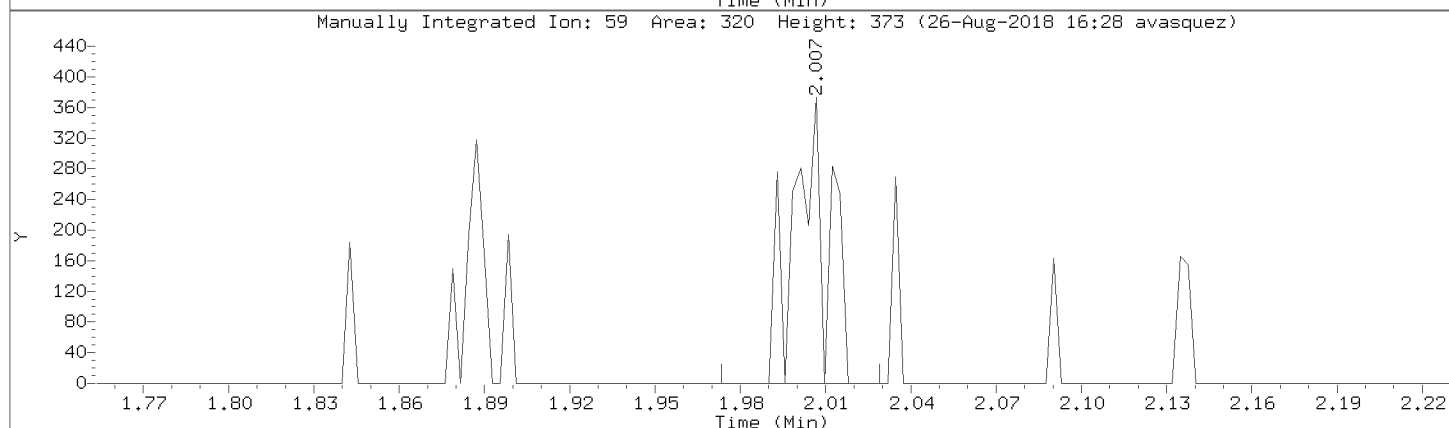
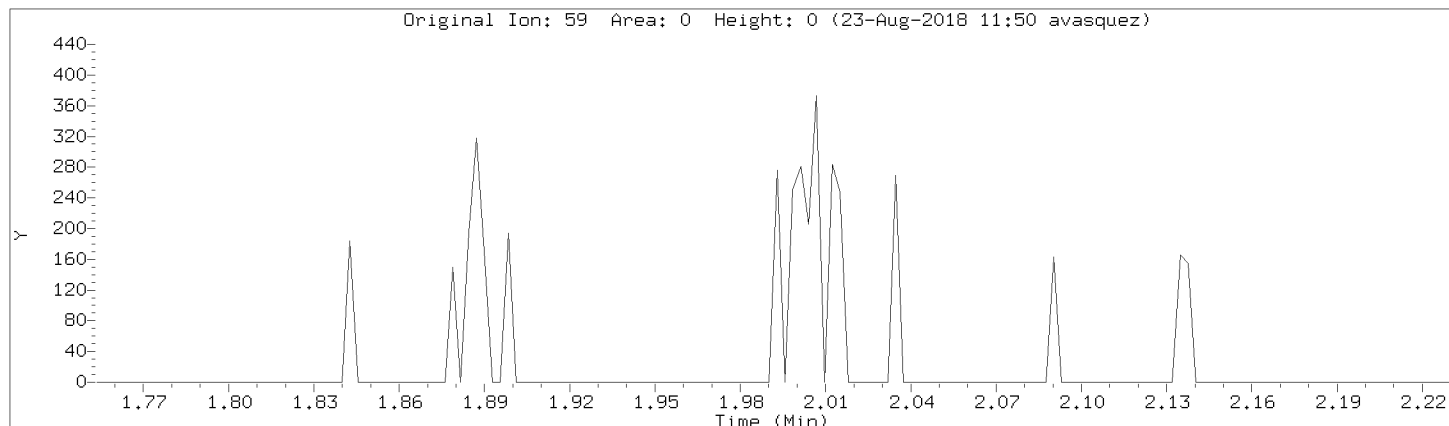


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: tert-Butyl Alcohol Review Code:
CAS Number: 75-65-0



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Injection Date: 22-AUG-2018 14:52

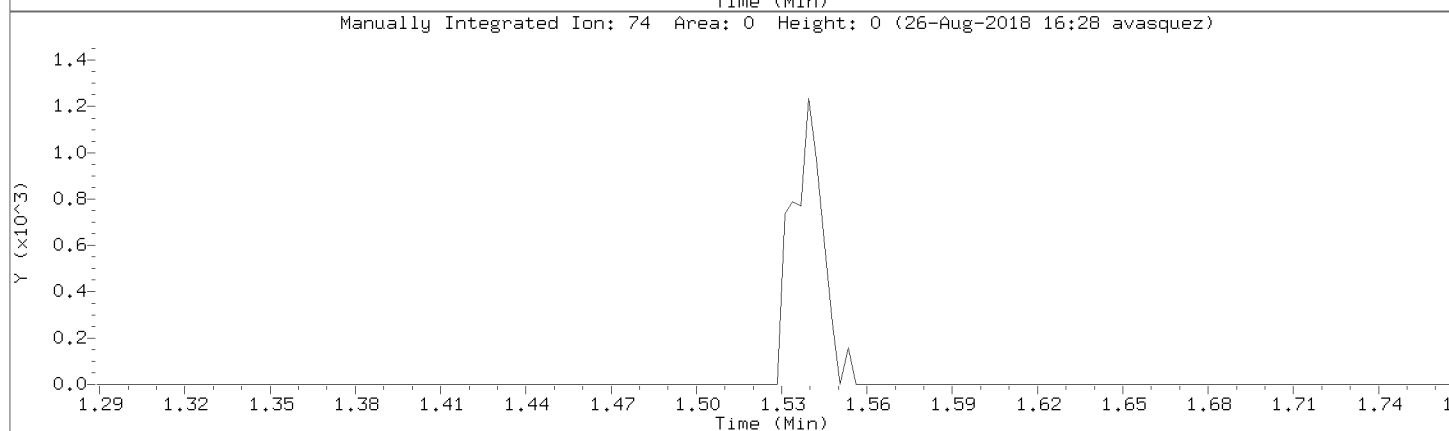
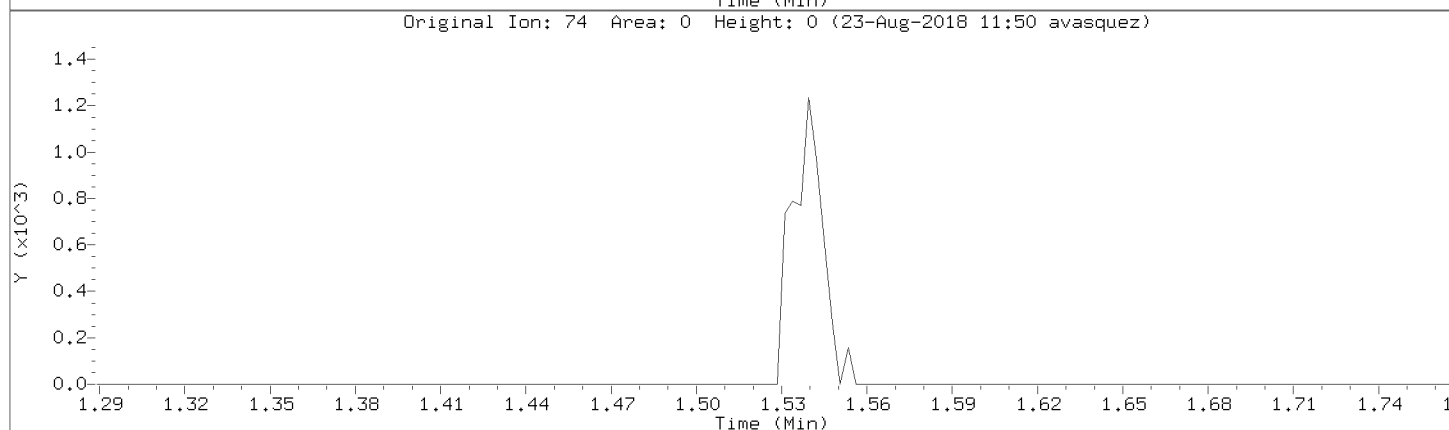
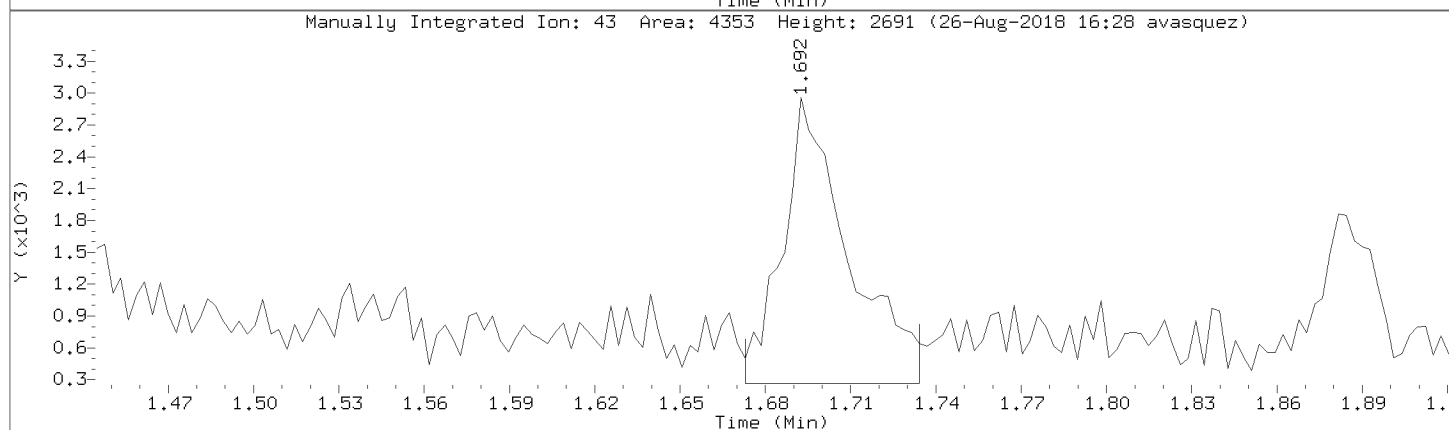
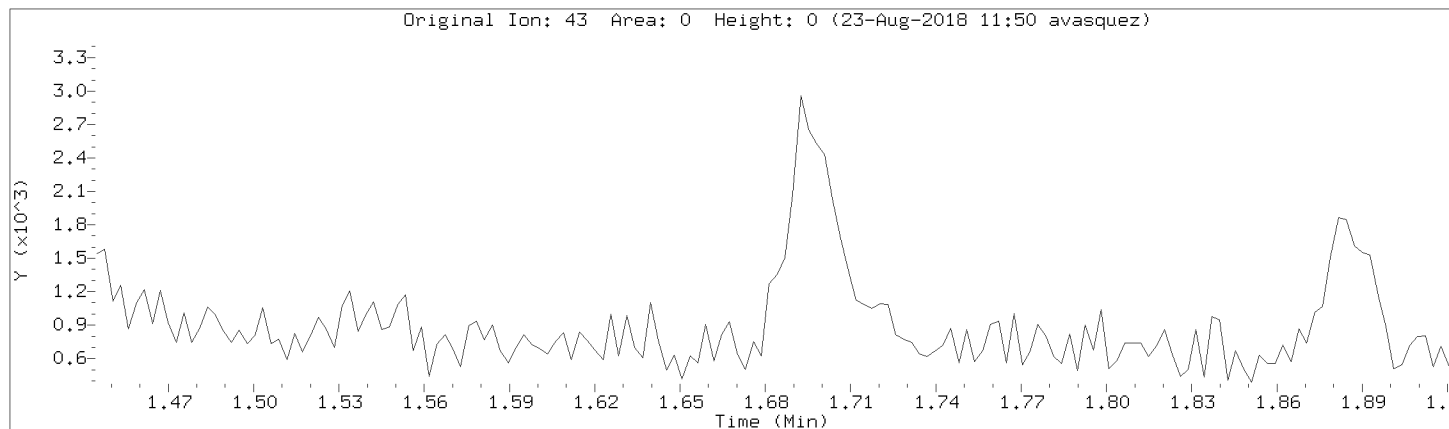
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: Methyl Acetate

Review Code: NI

CAS Number: 79-20-9



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Injection Date: 22-AUG-2018 14:52

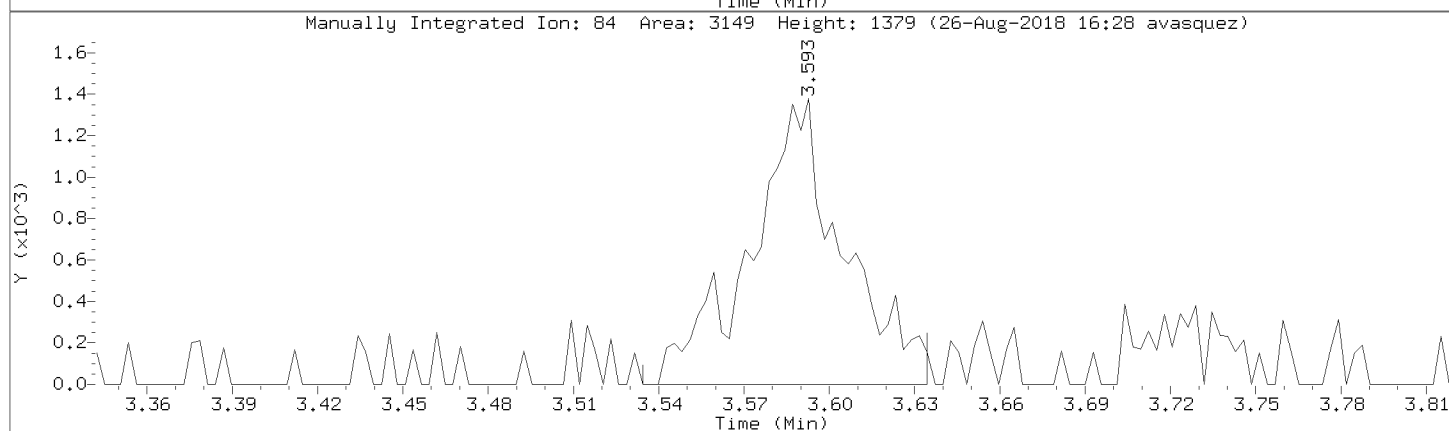
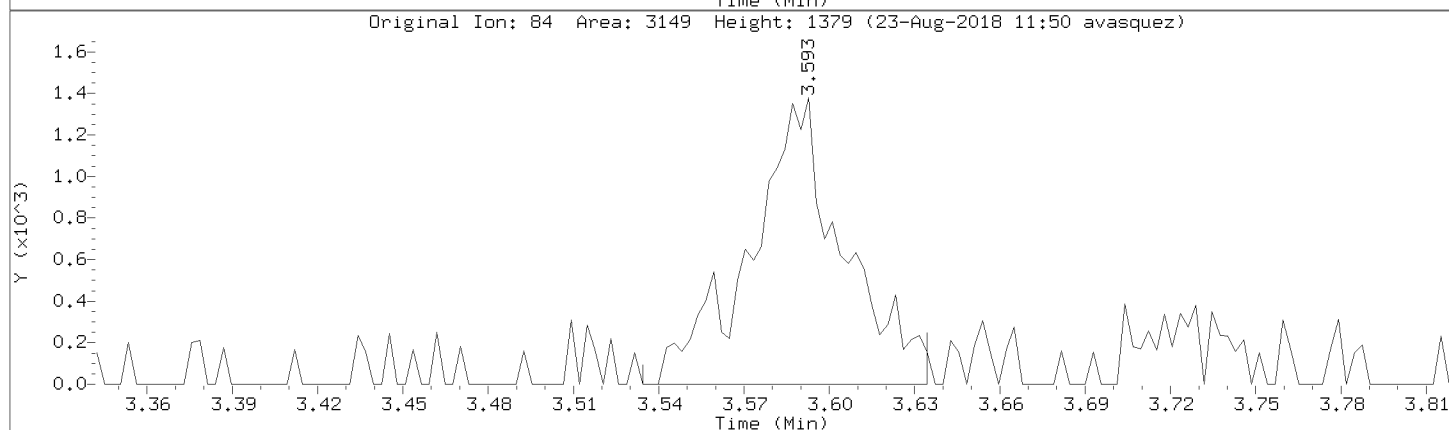
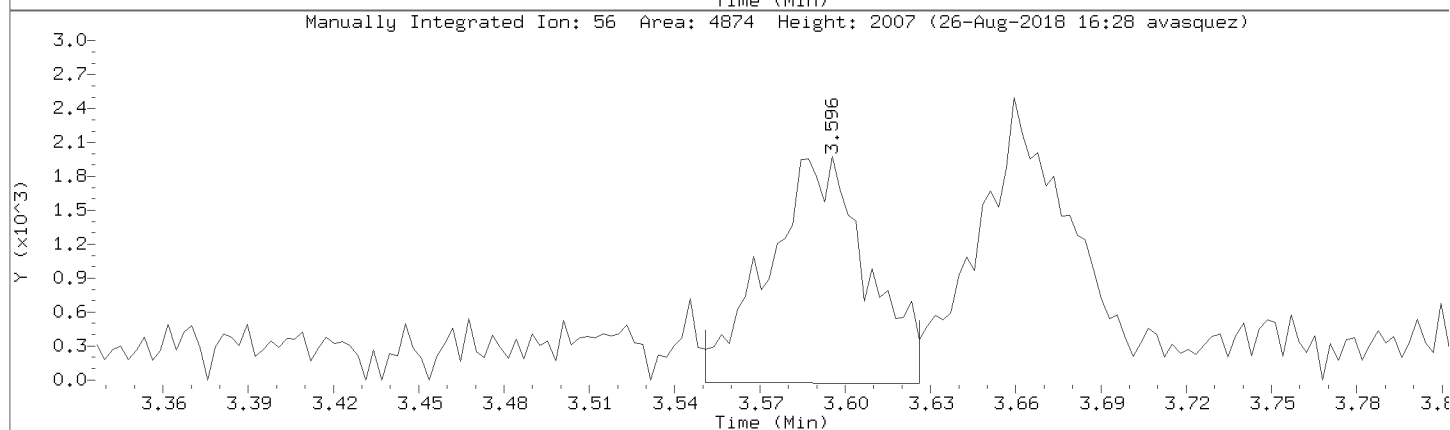
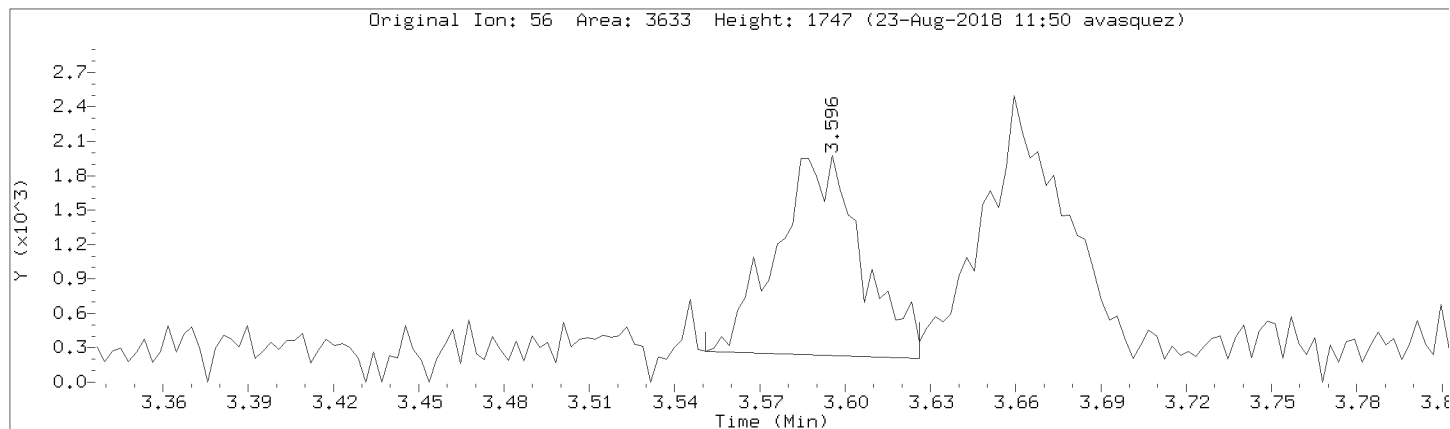
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: cyclohexane

Review Code: LT

CAS Number: 110-82-7

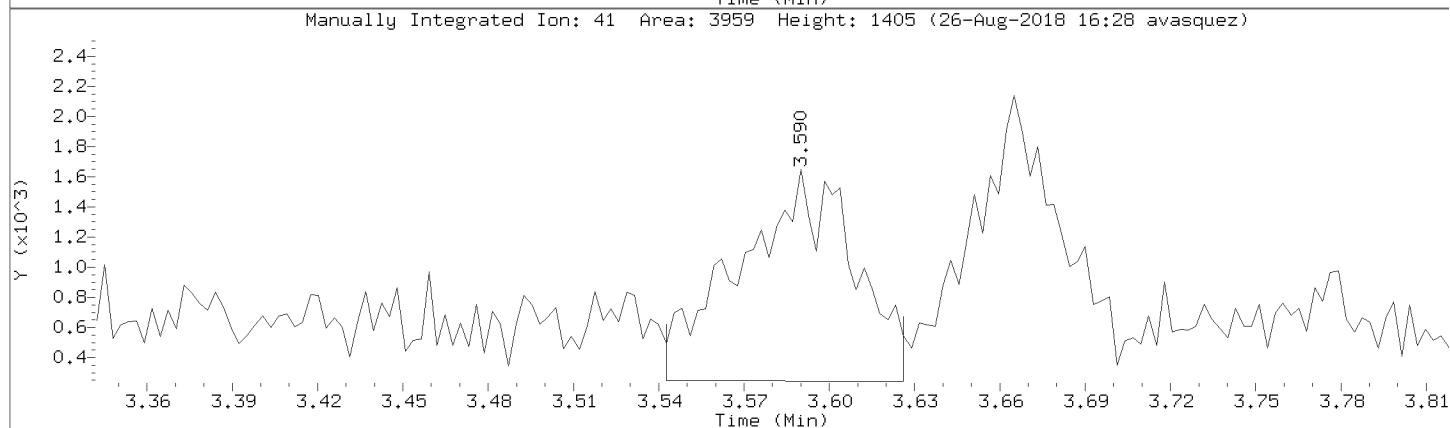
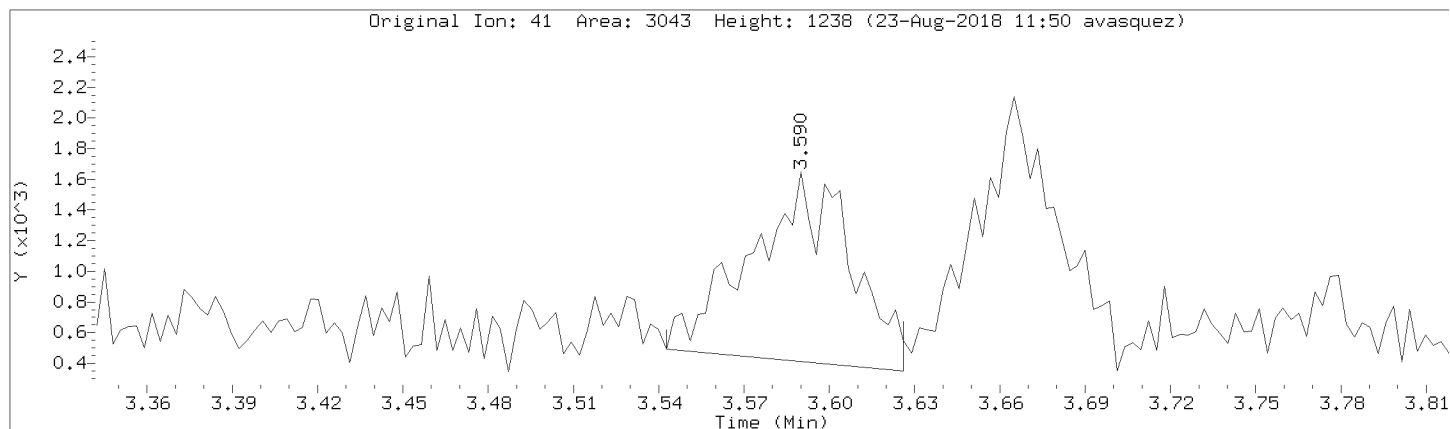


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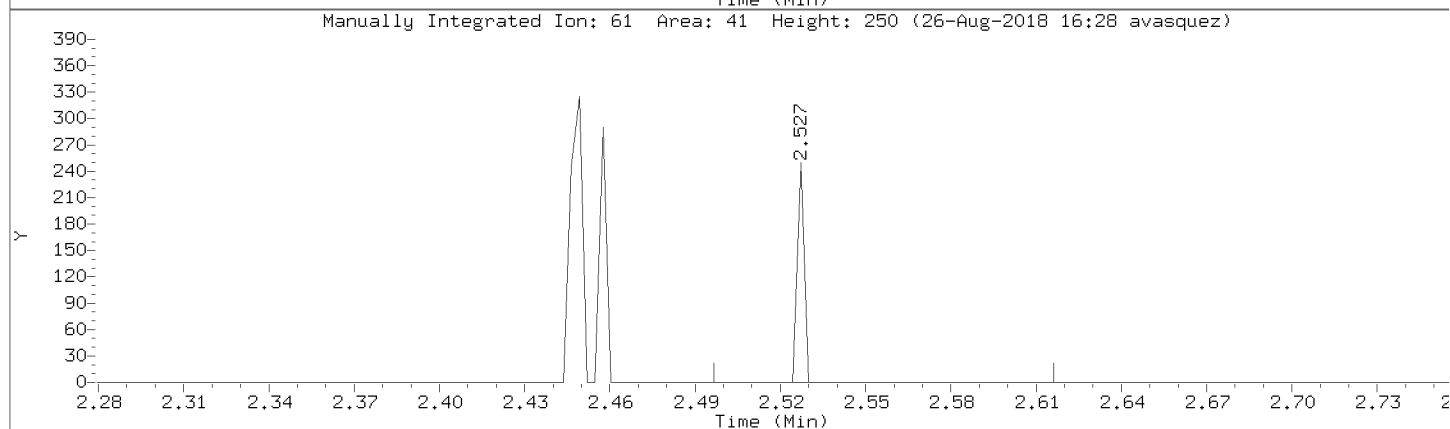
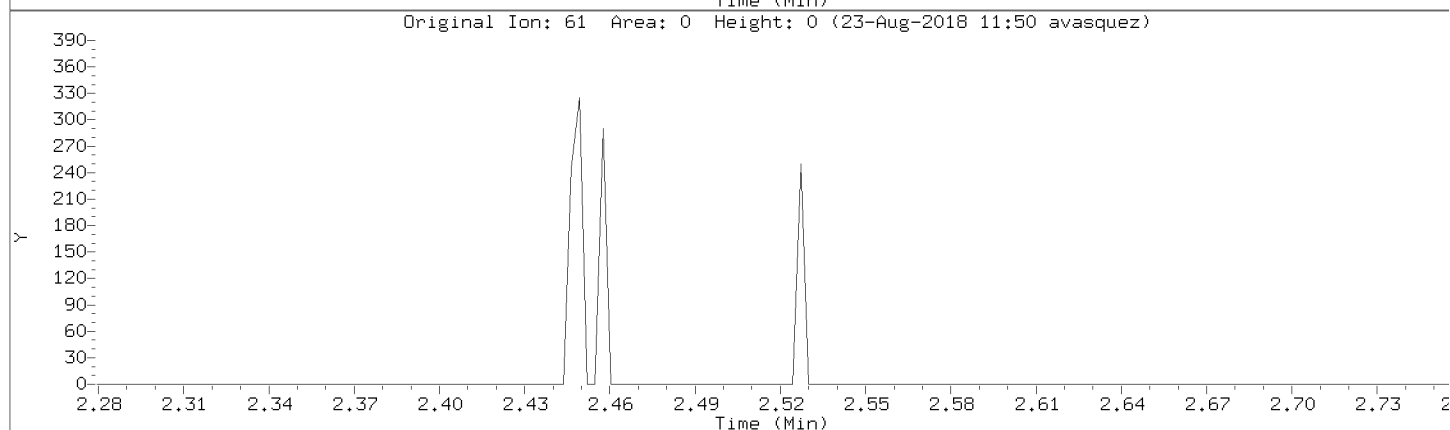
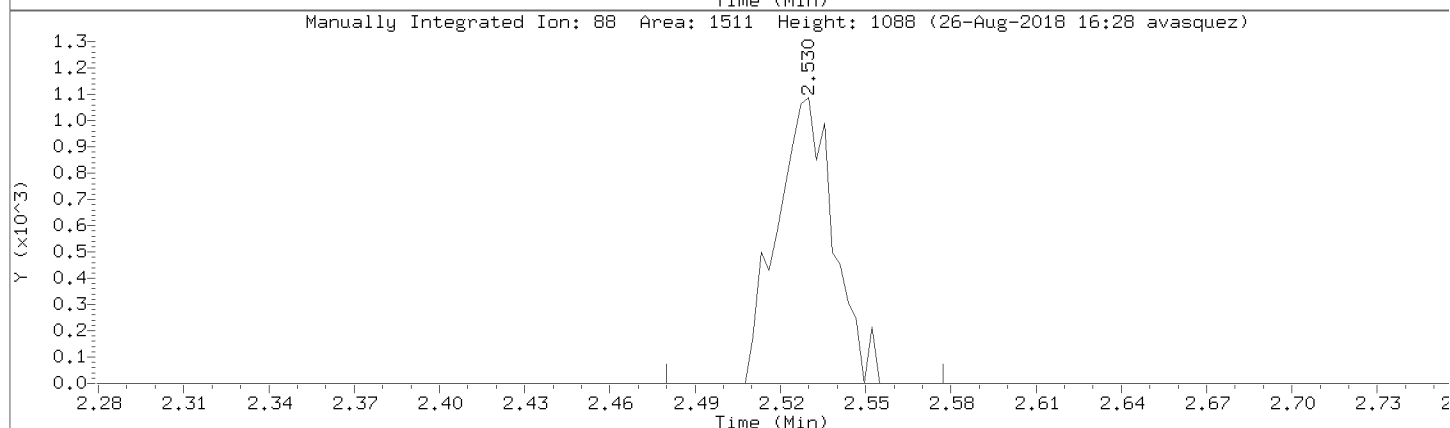
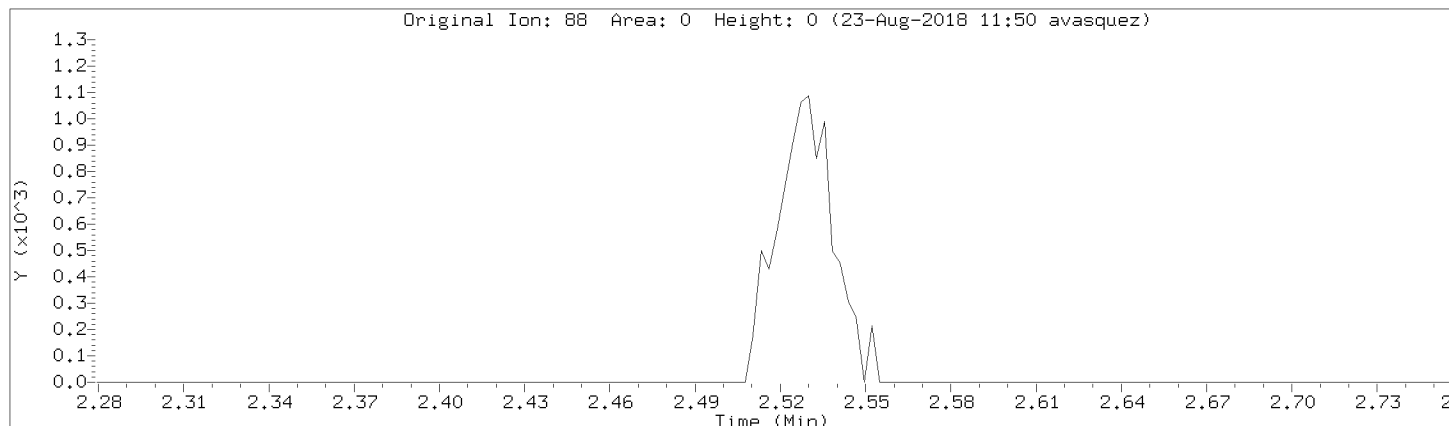
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

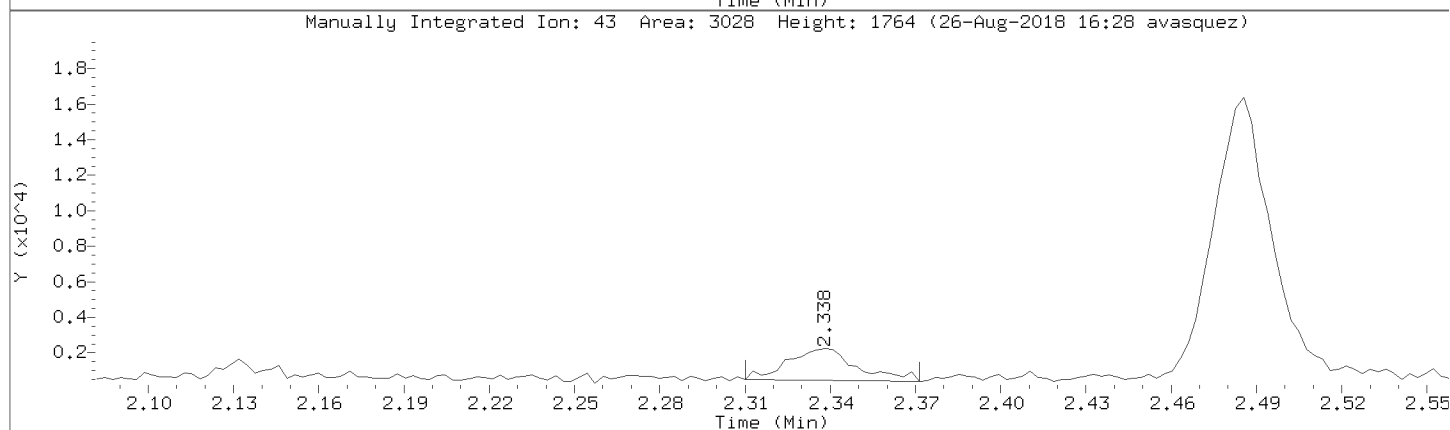
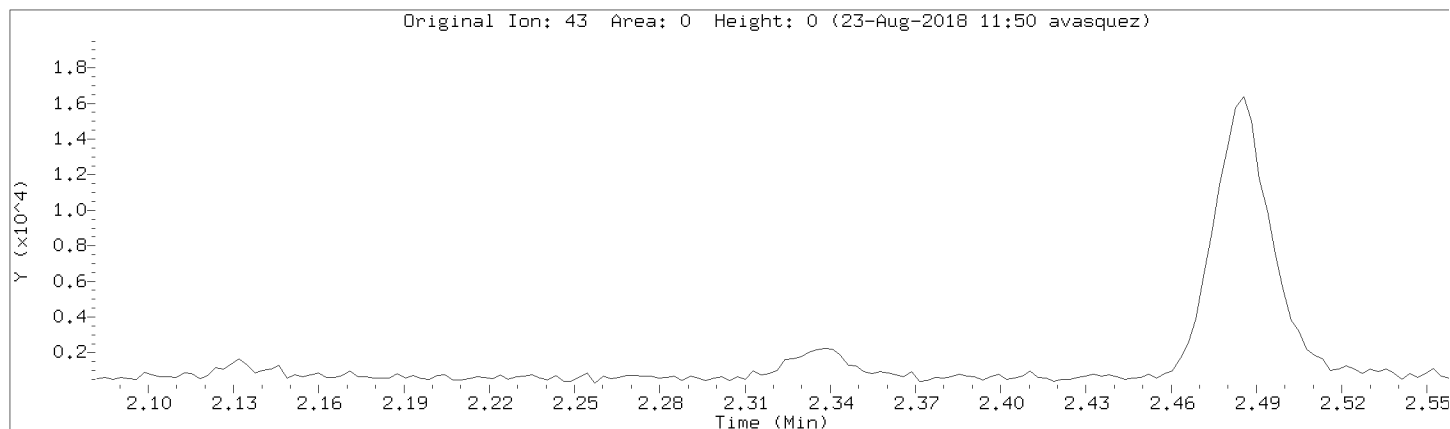


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: Ethyl acetate Review Code: NI
CAS Number: 141-78-6



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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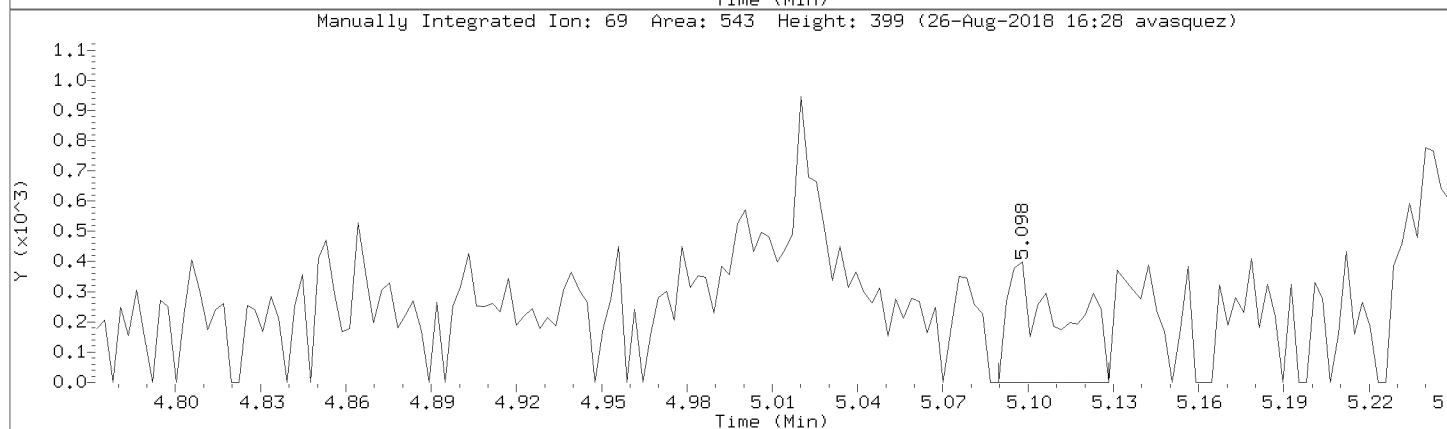
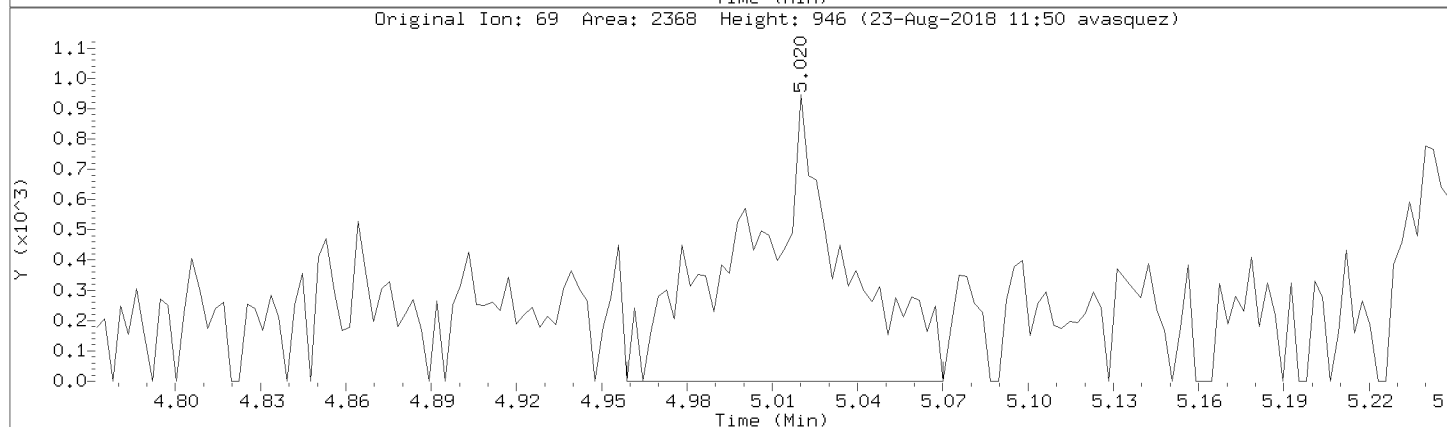
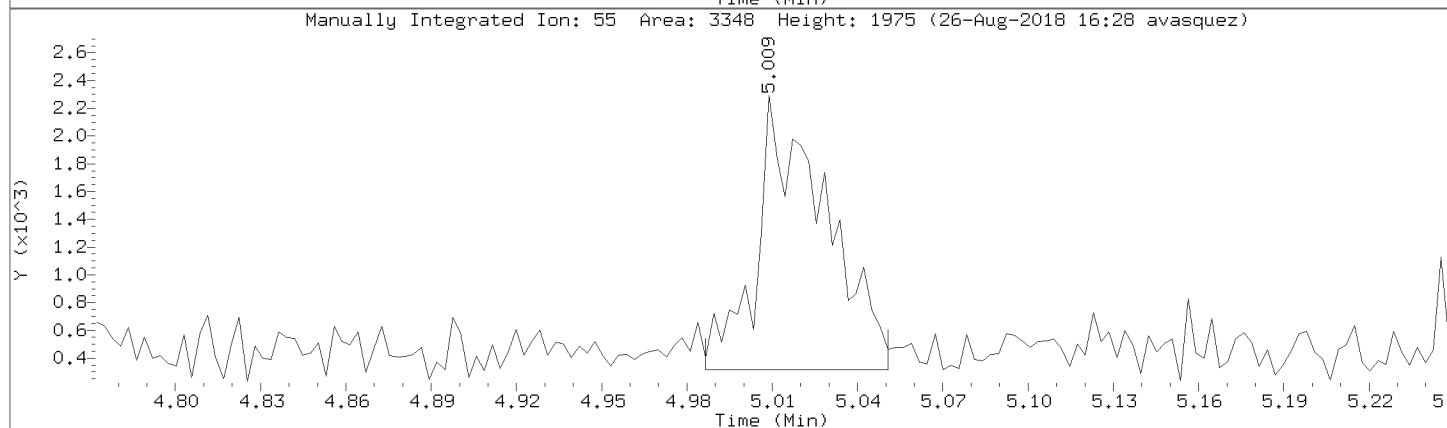
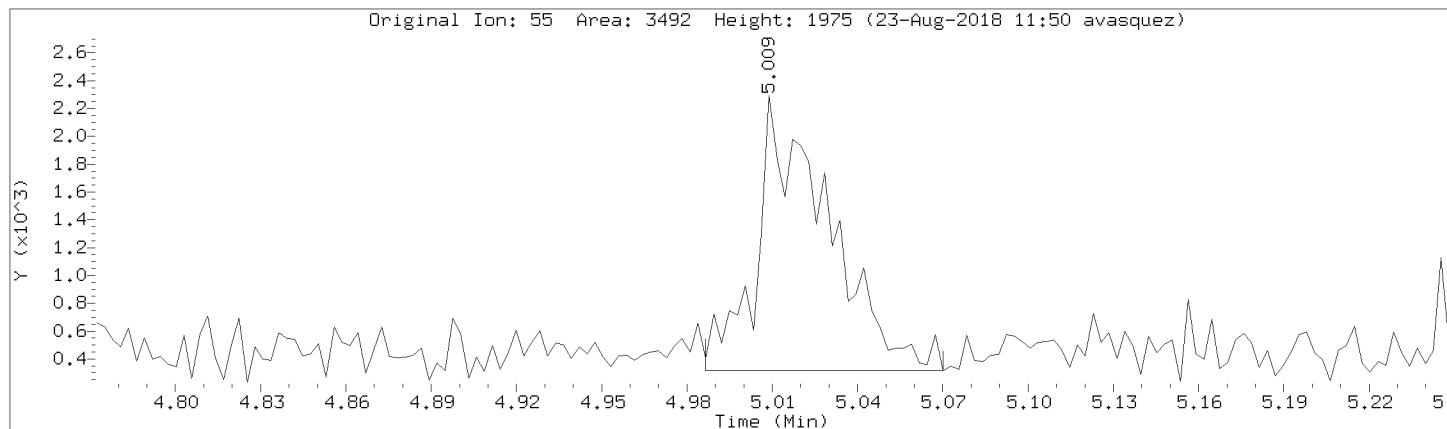
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: Methylcyclohexane

Review Code: GT

CAS Number: 108-87-2

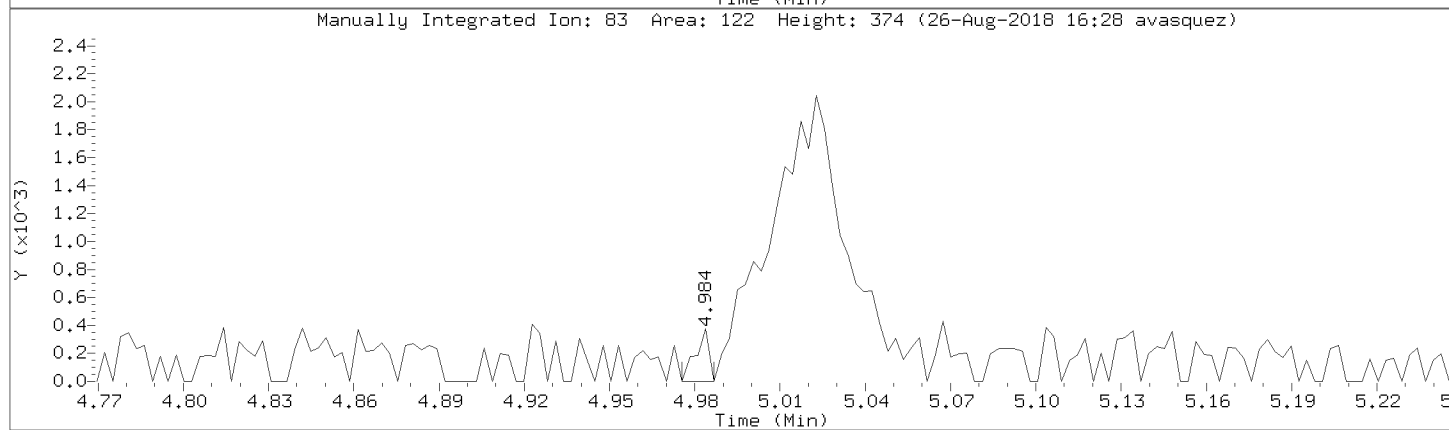
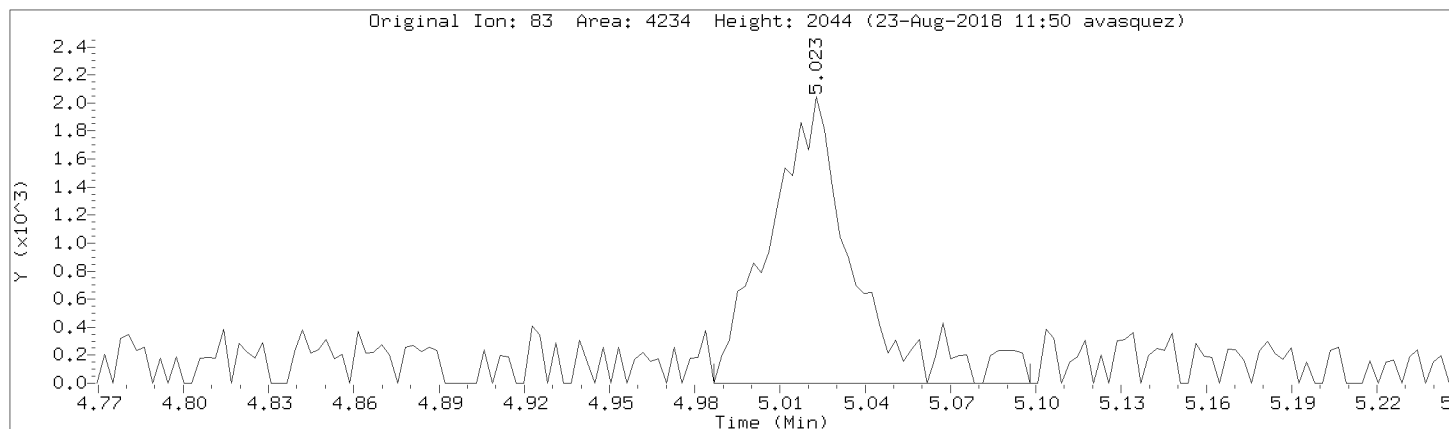


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Injection Date: 22-AUG-2018 14:52

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2



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Injection Date: 22-AUG-2018 14:52

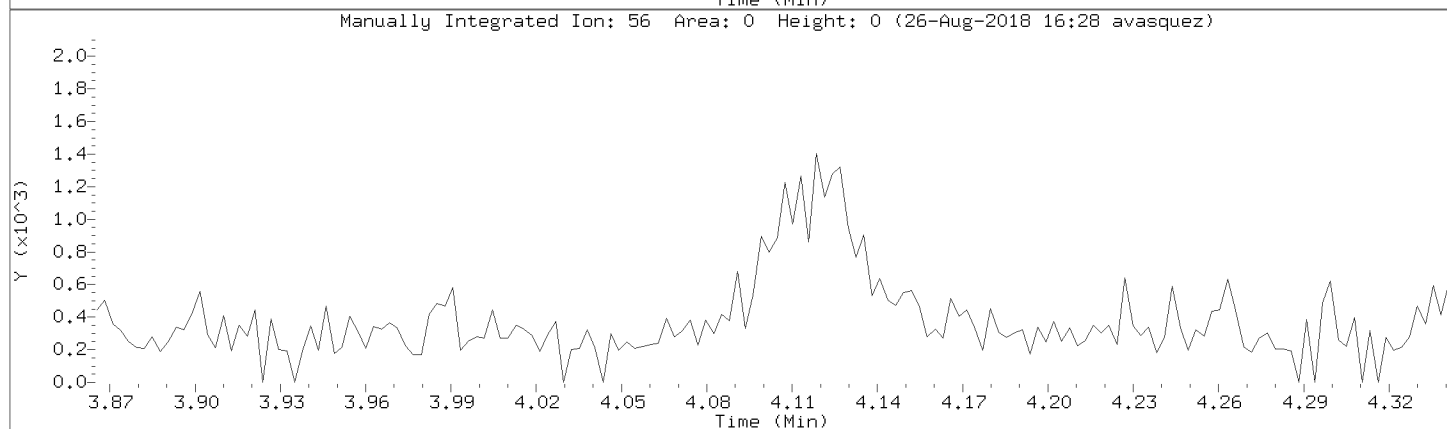
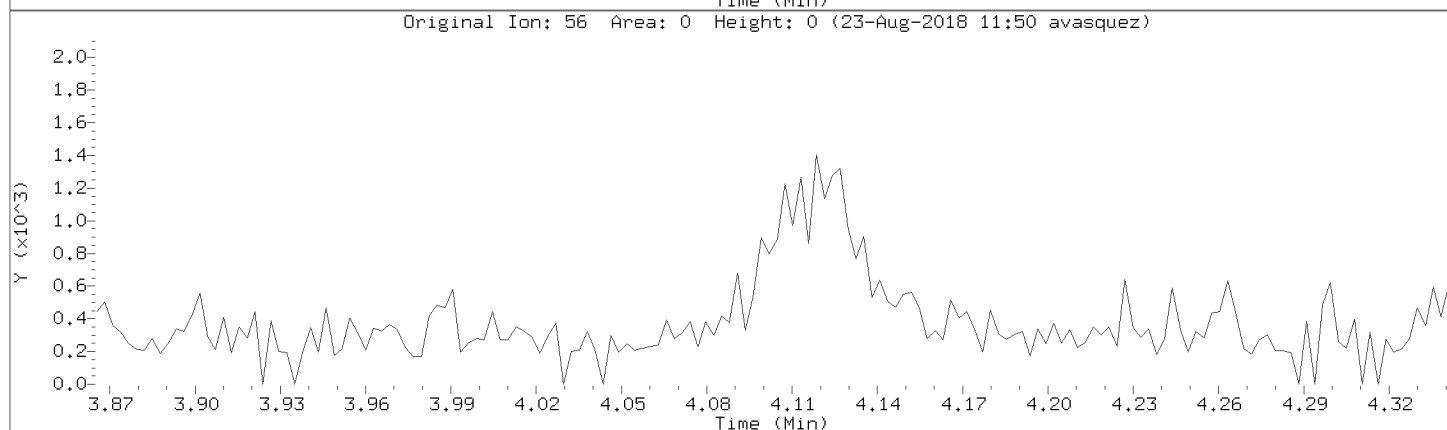
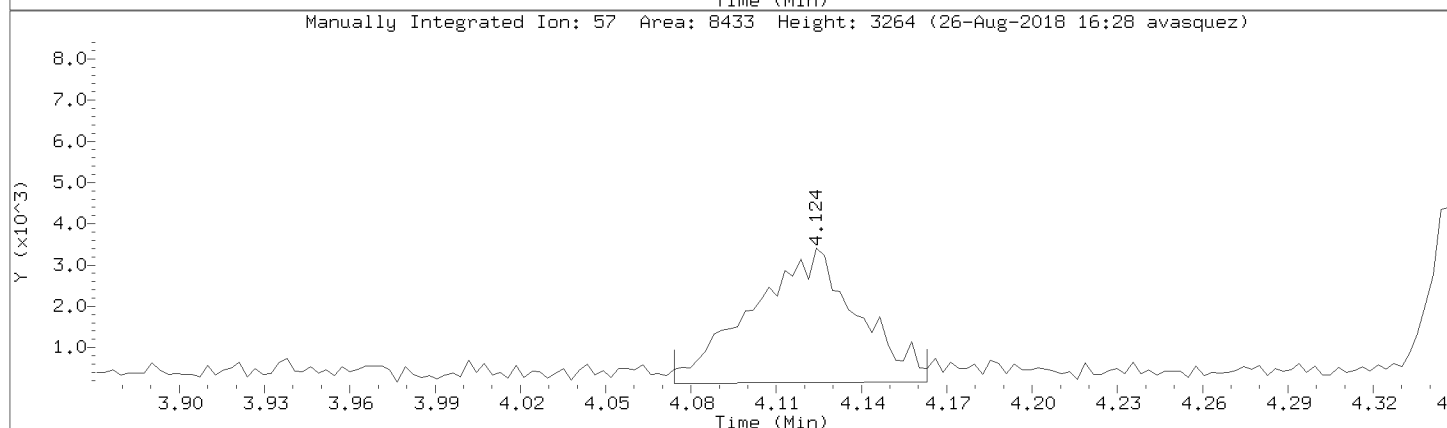
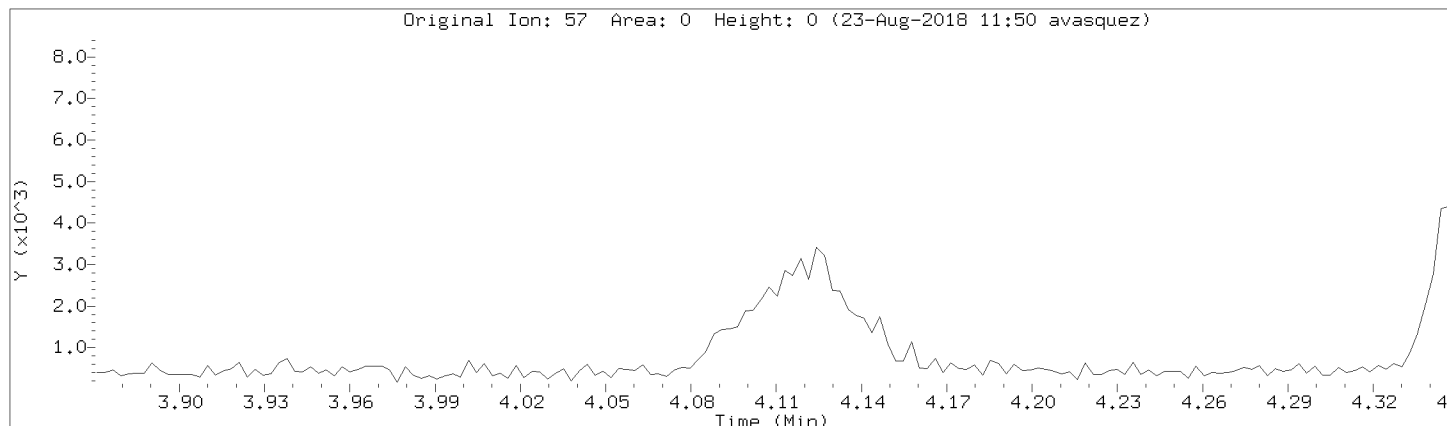
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: 2,2,4-Trimethylpentane

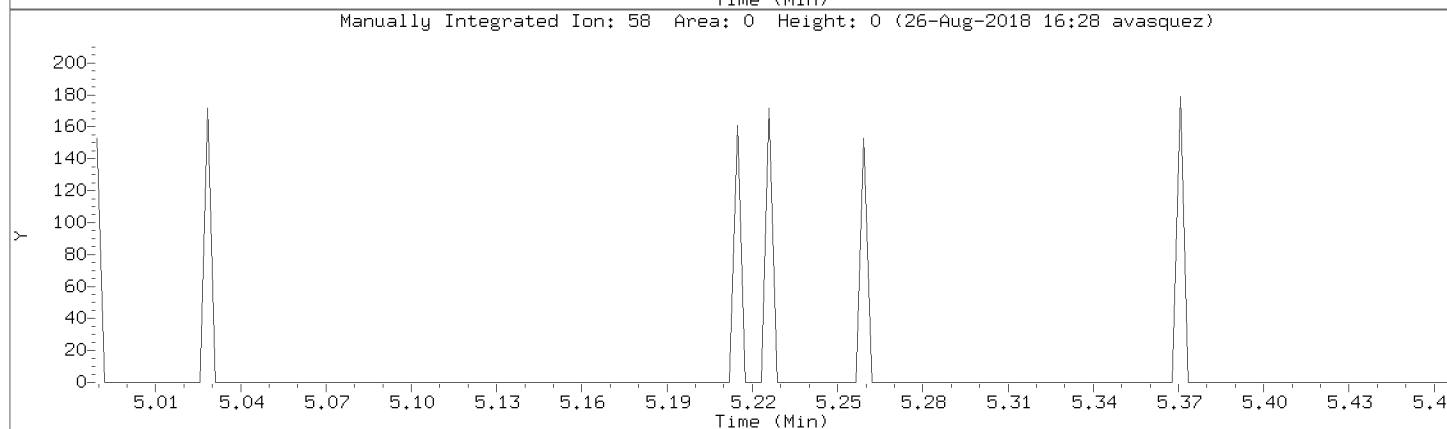
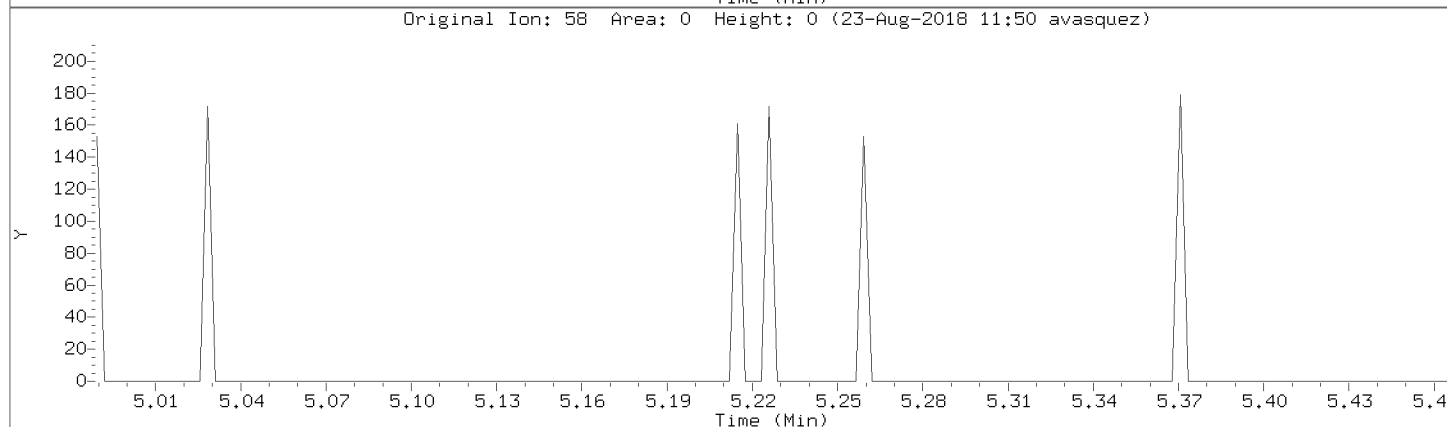
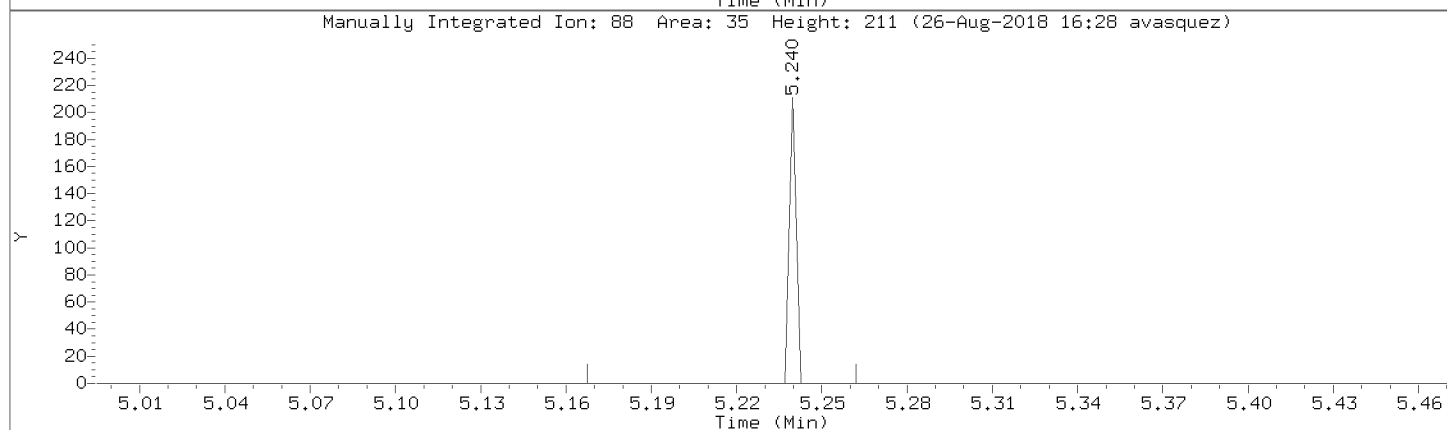
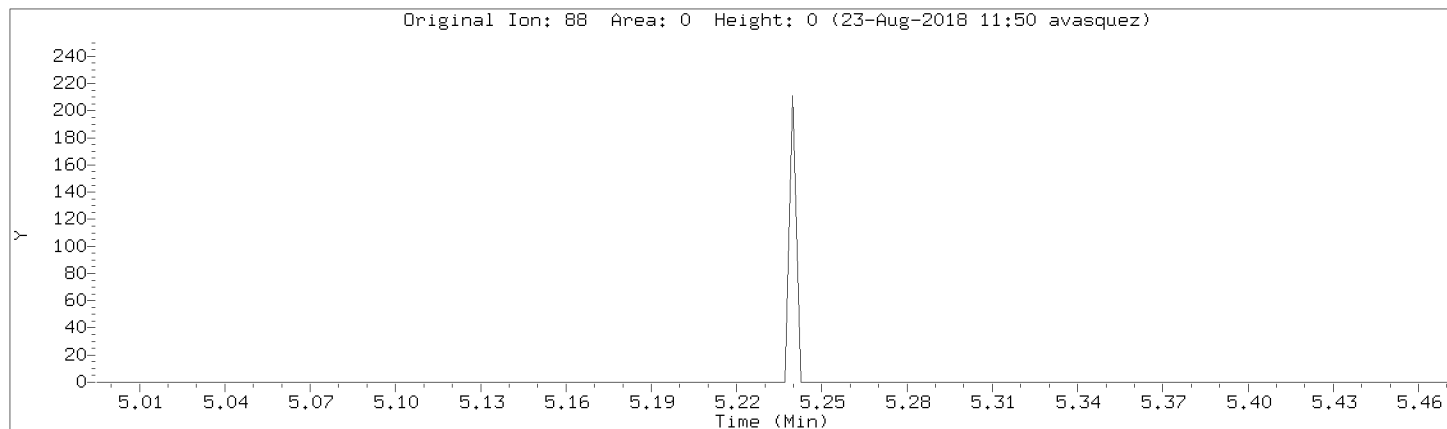
Review Code:

CAS Number: 540-84-1



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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: 1,4-Dioxane Review Code: NI
CAS Number:



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Injection Date: 22-AUG-2018 14:52

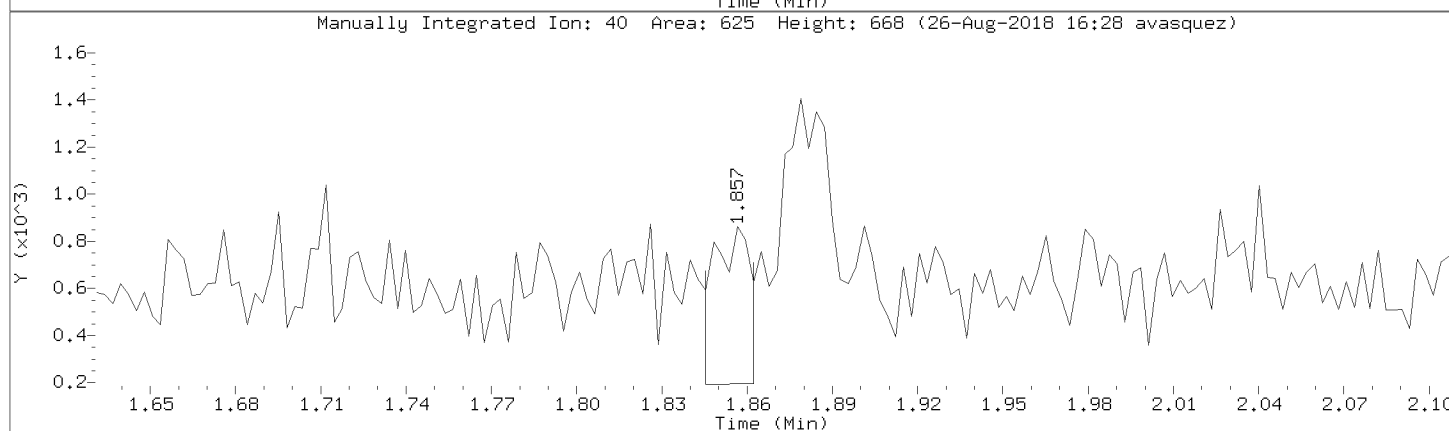
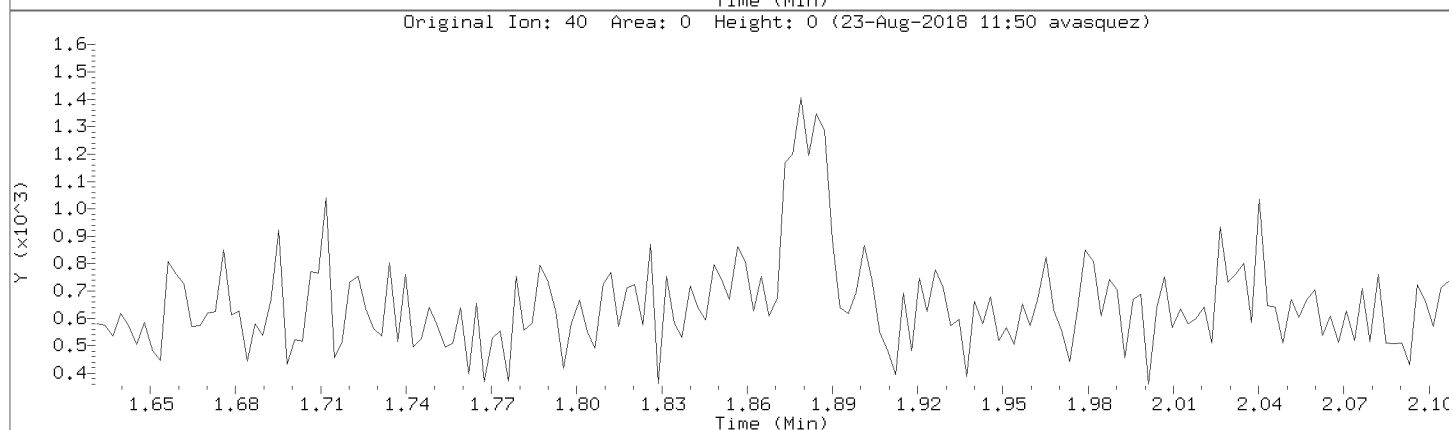
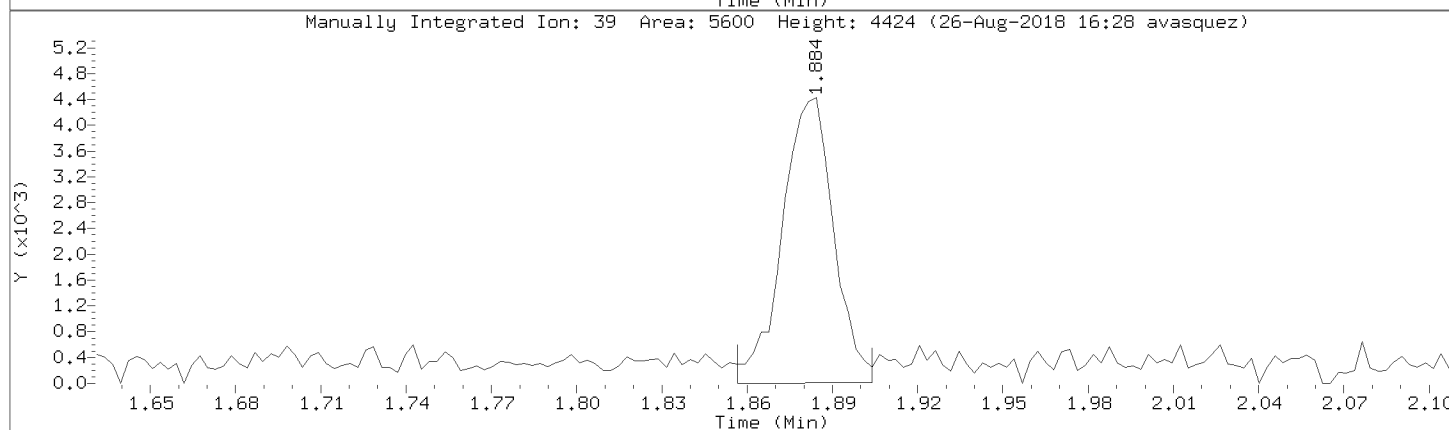
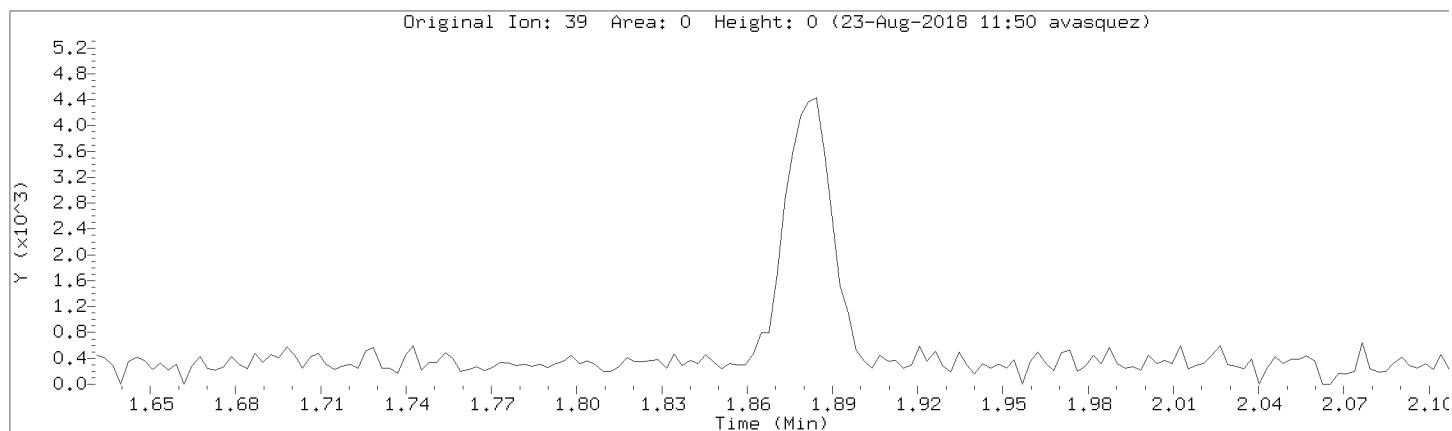
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: Acetonitrile

Review Code: NI

CAS Number: 75-05-8

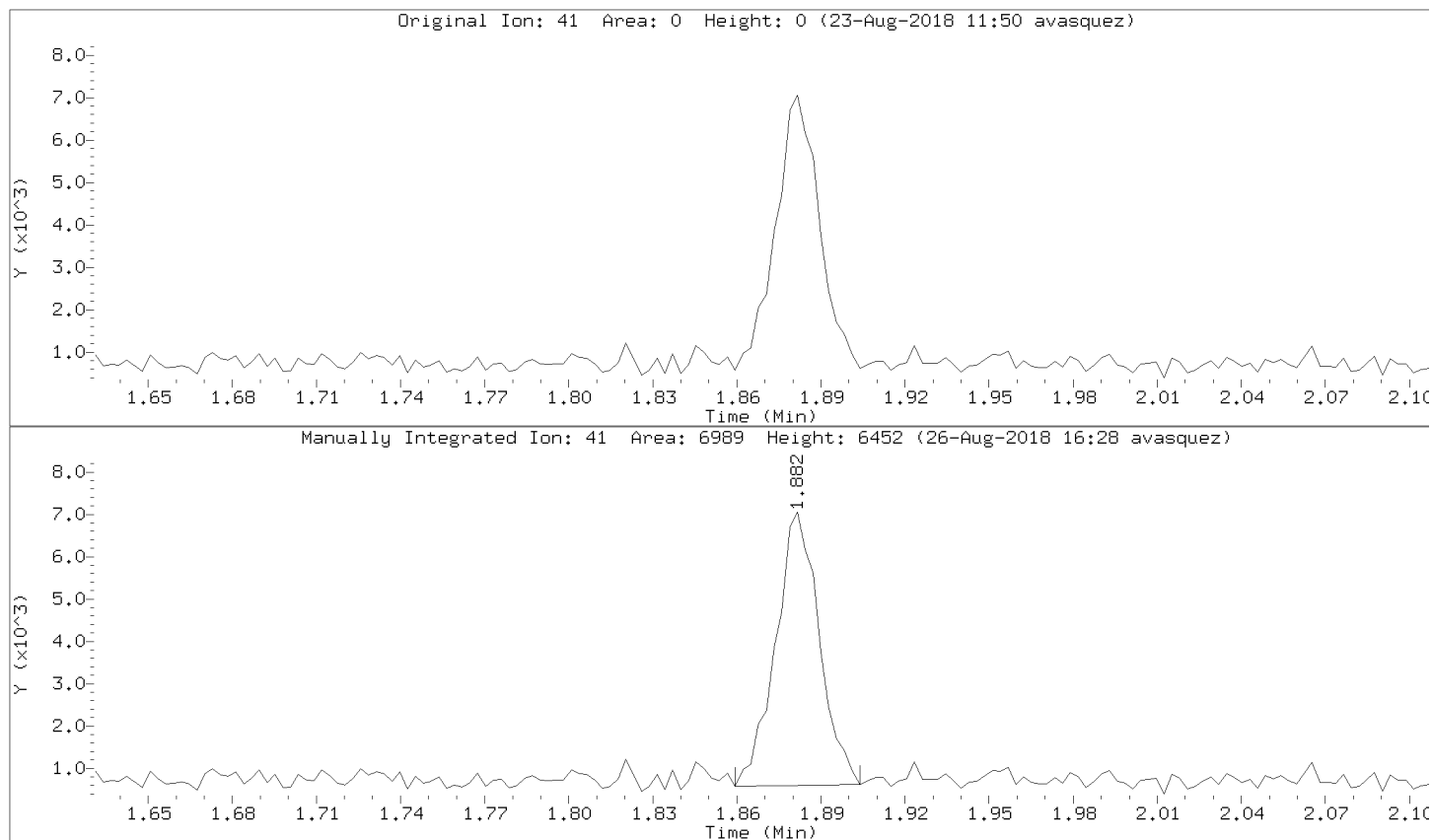


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Injection Date: 22-AUG-2018 14:52

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Lab Sample ID: 8260-CAL2



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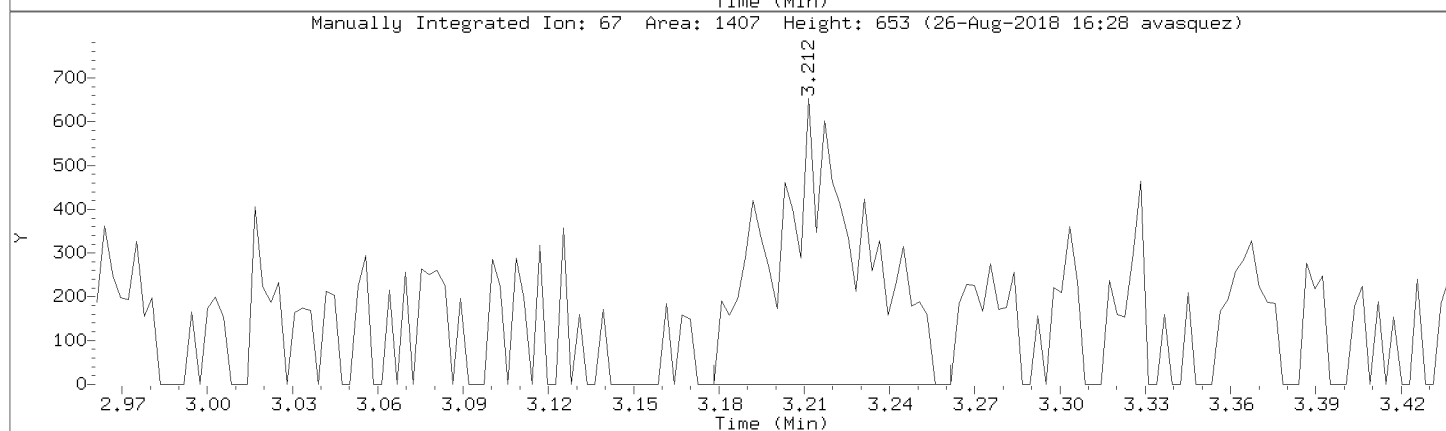
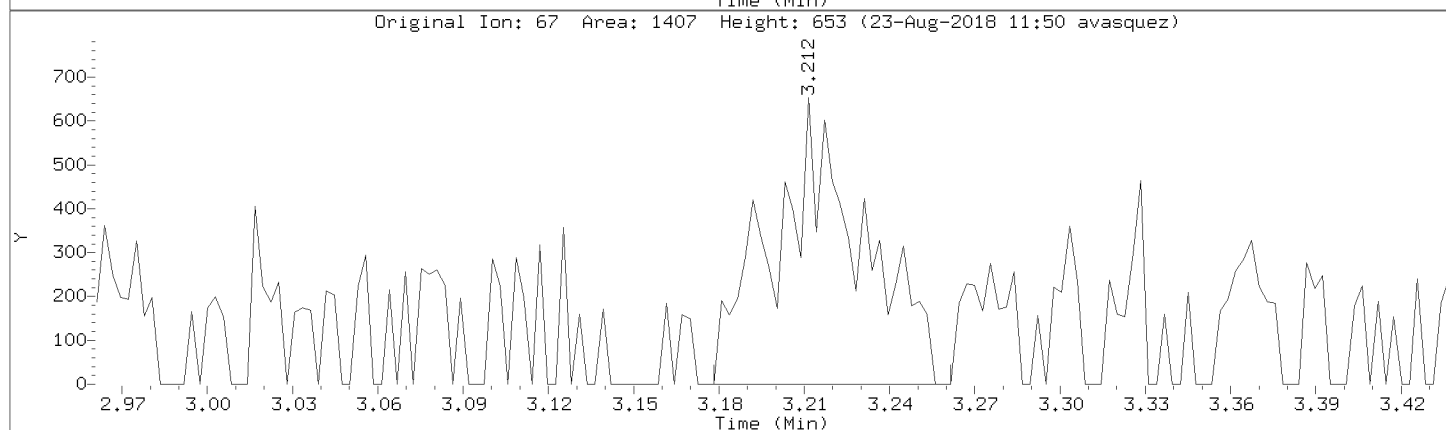
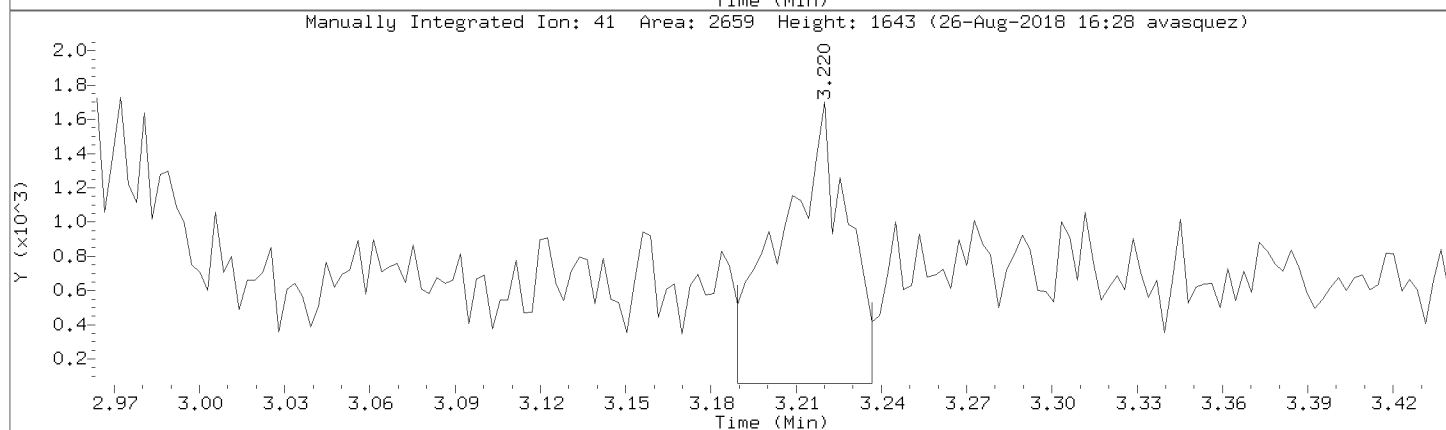
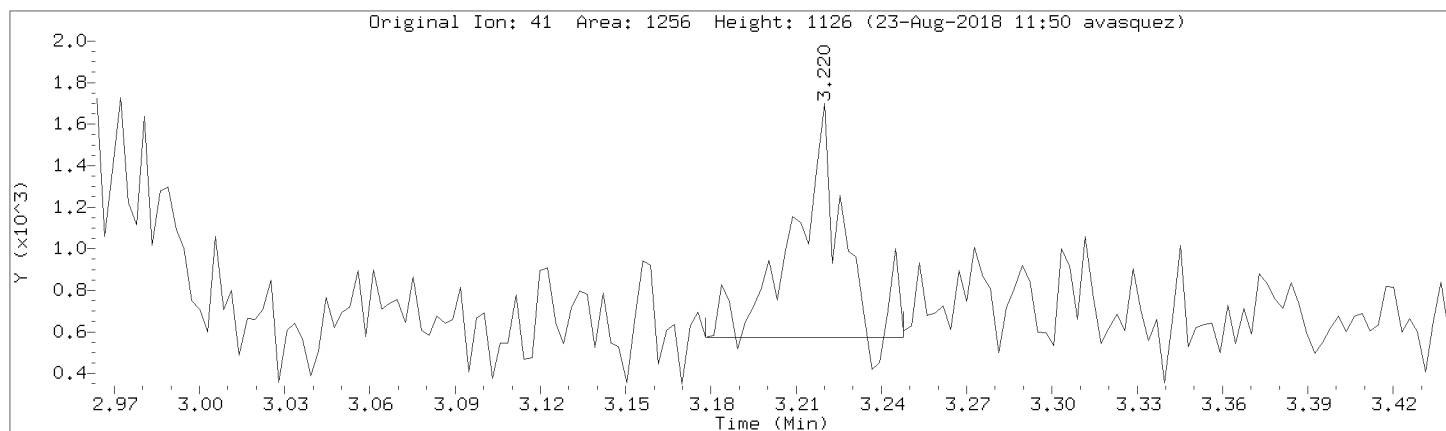
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

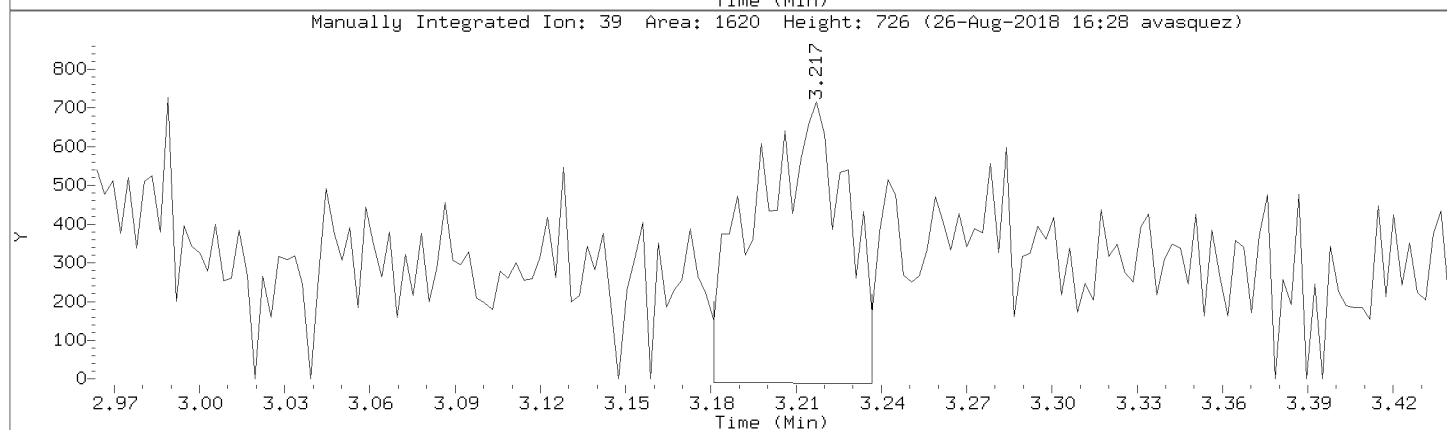
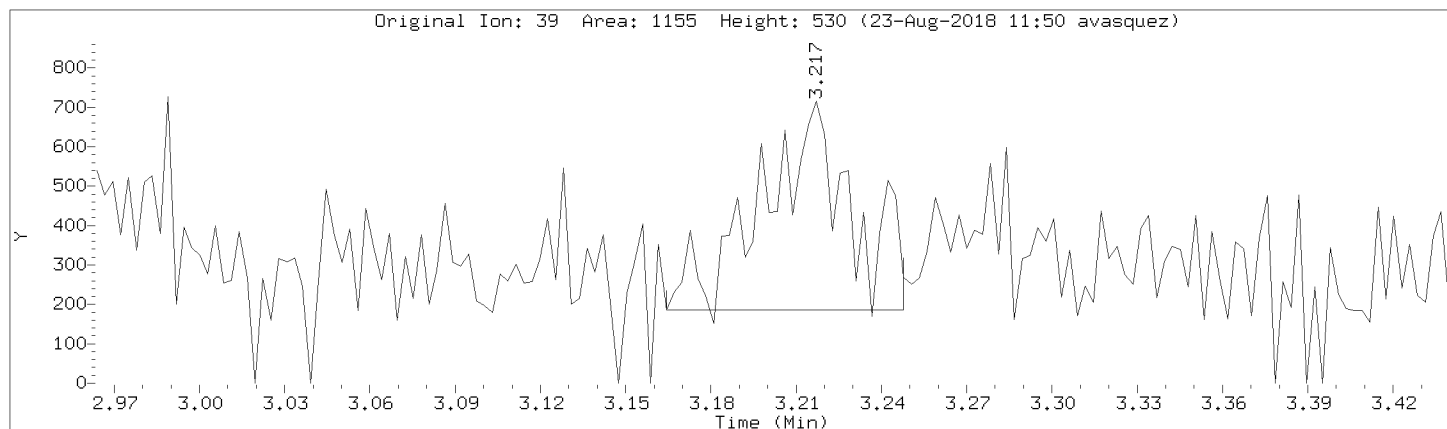
Compound: Methacrylonitrile

Review Code: NI

CAS Number: 126-98-7



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 22-AUG-2018 14:52

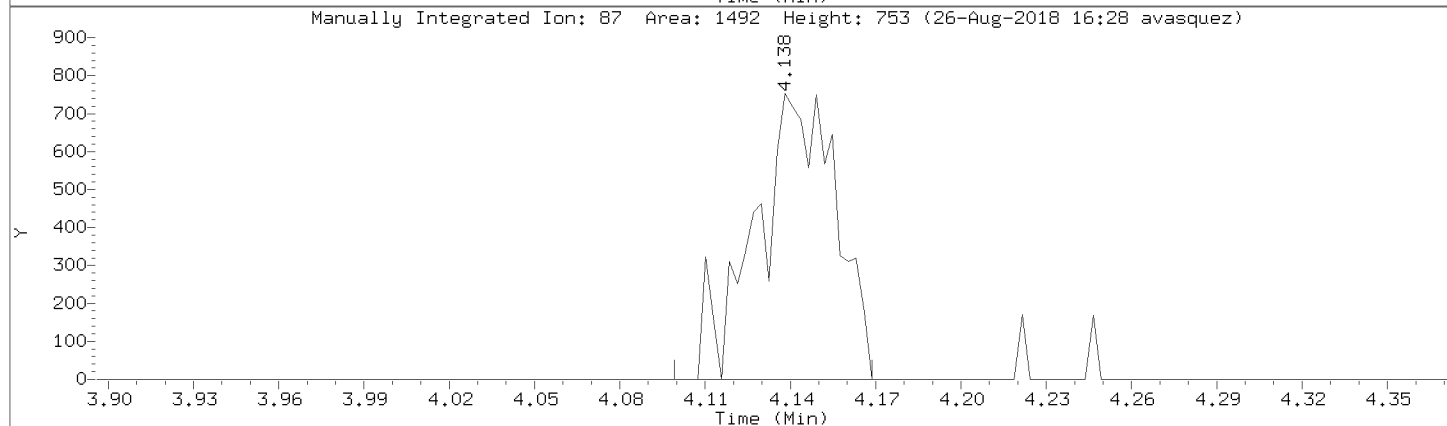
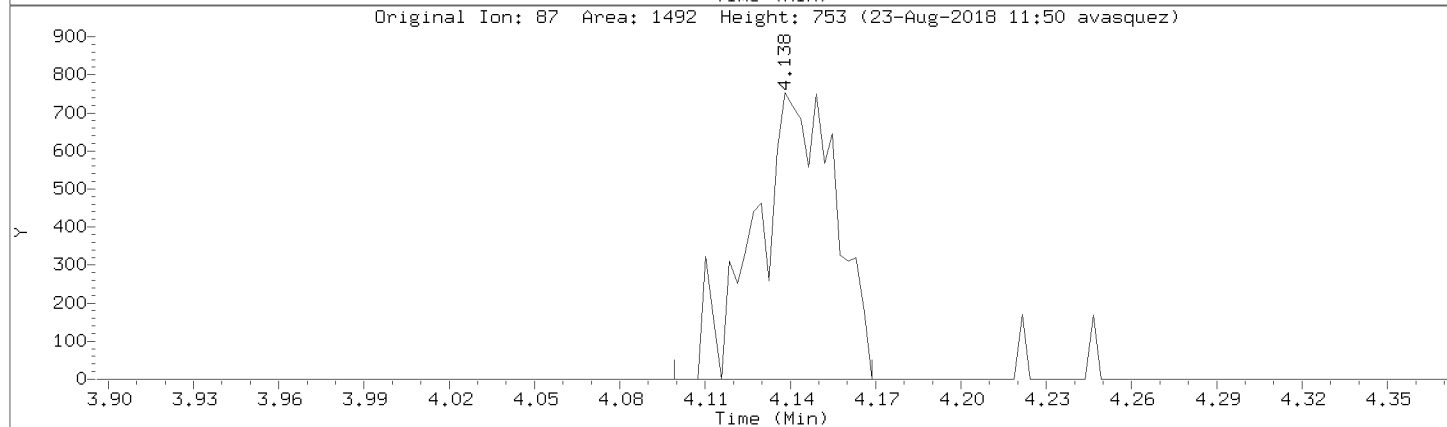
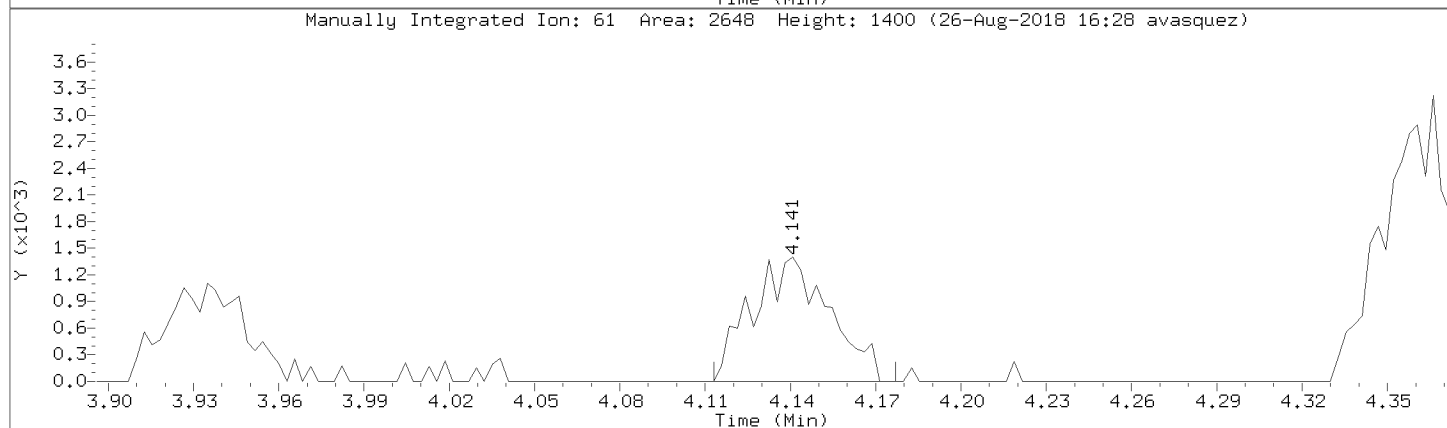
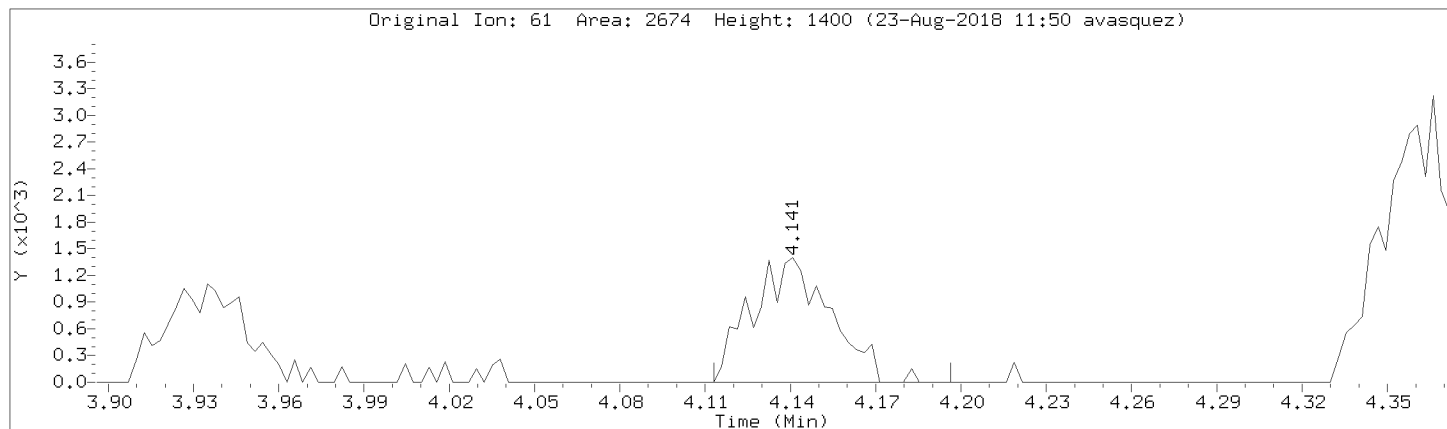
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: isopropyl acetate

Review Code: GT

CAS Number: 108-21-4

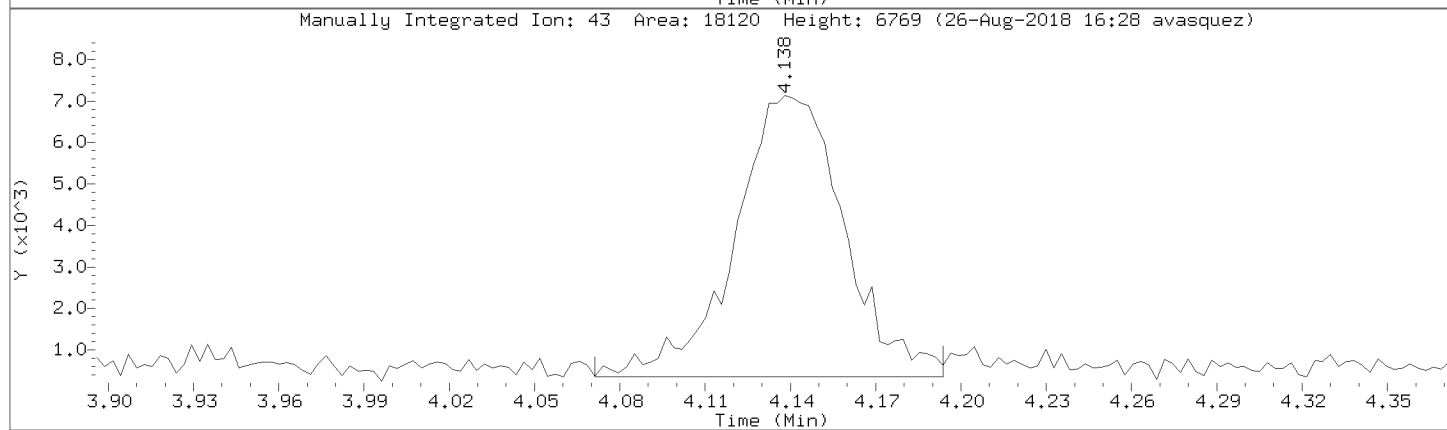
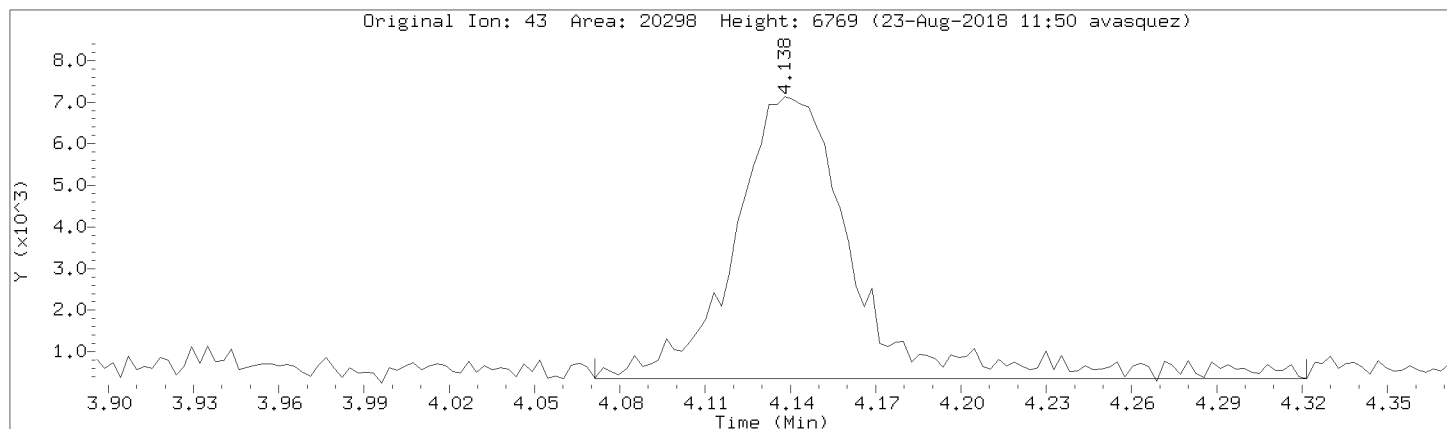


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Injection Date: 22-AUG-2018 14:52

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\03cal.d

Injection Date: 22-AUG-2018 14:52

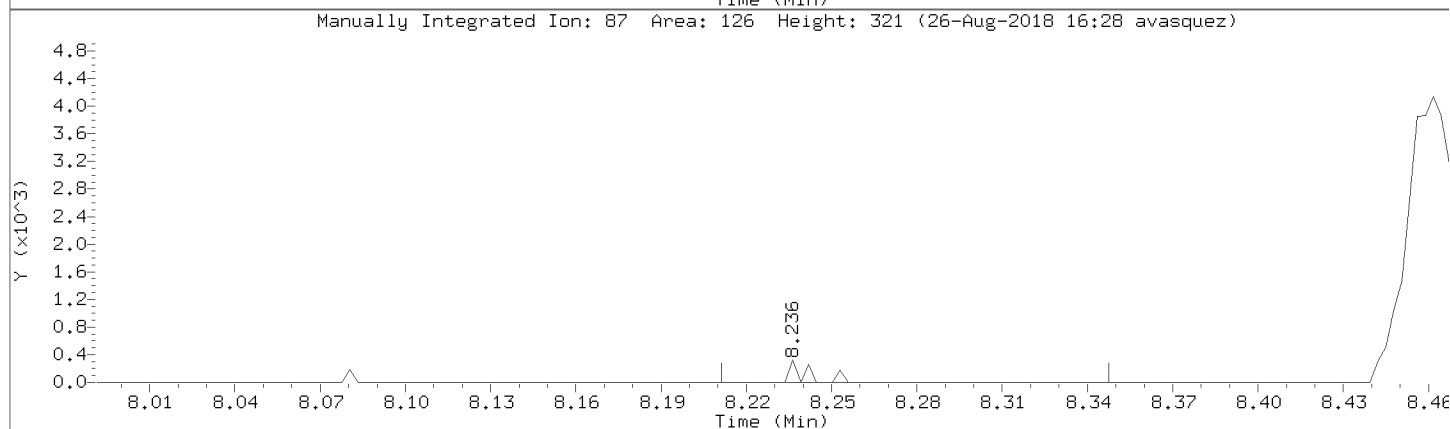
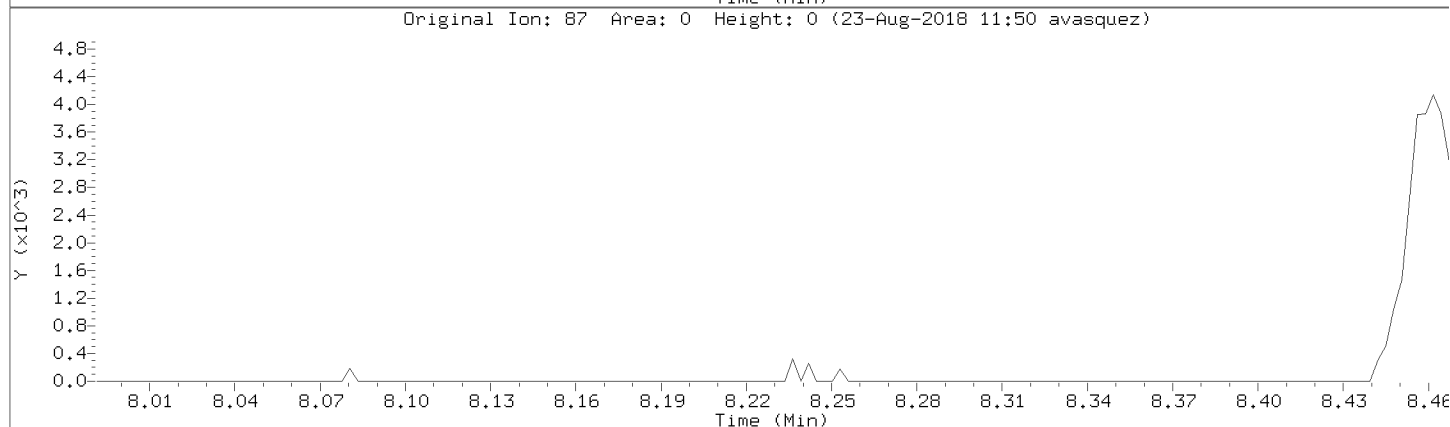
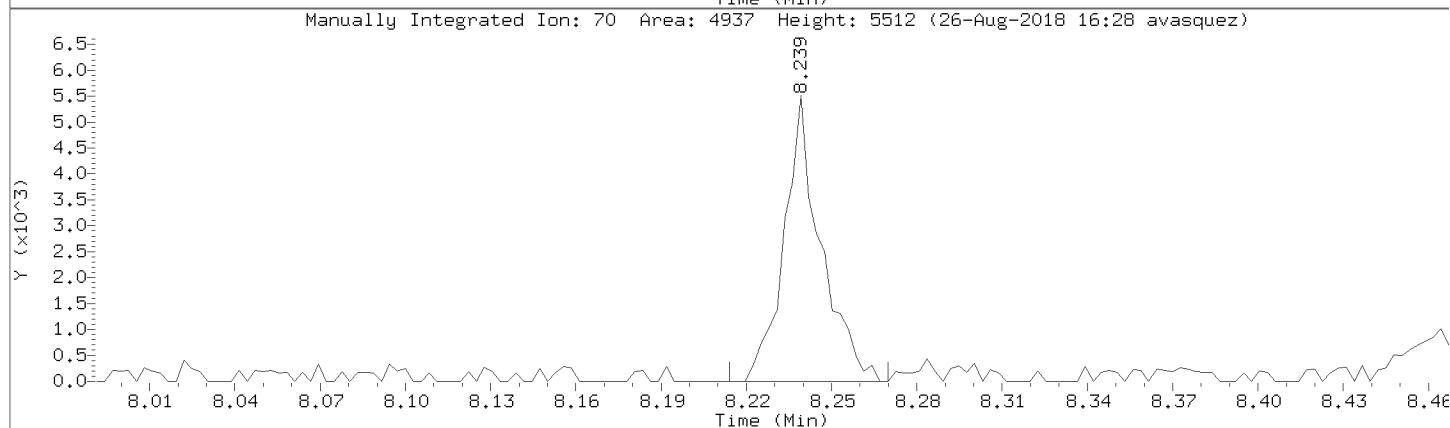
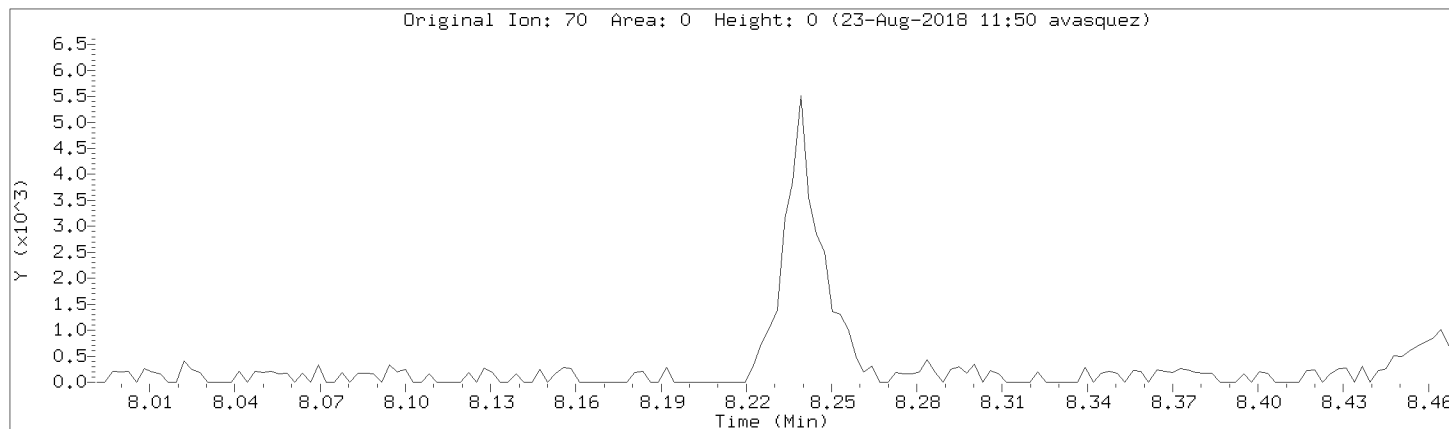
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

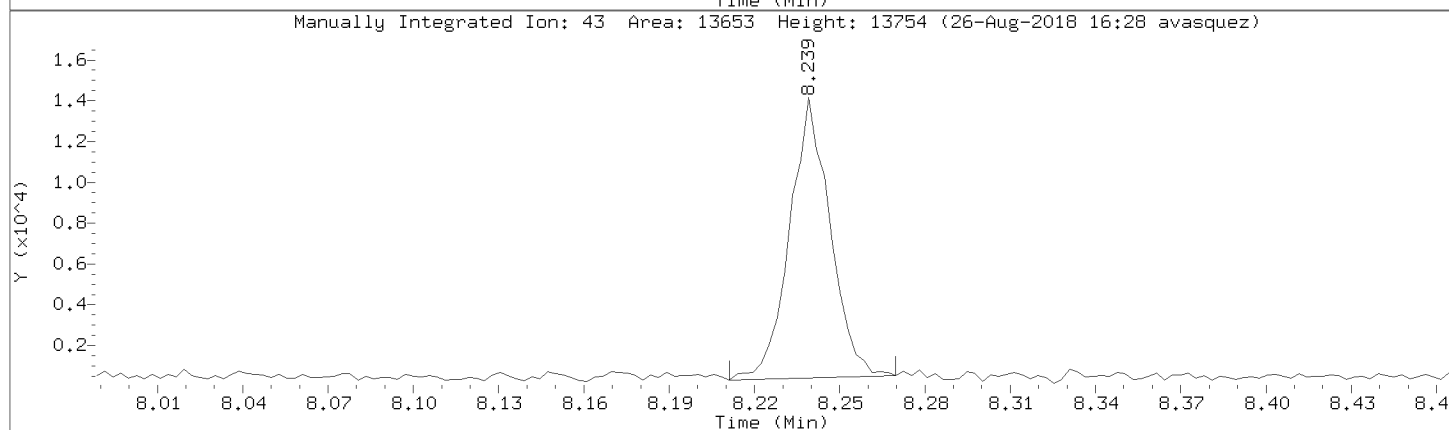
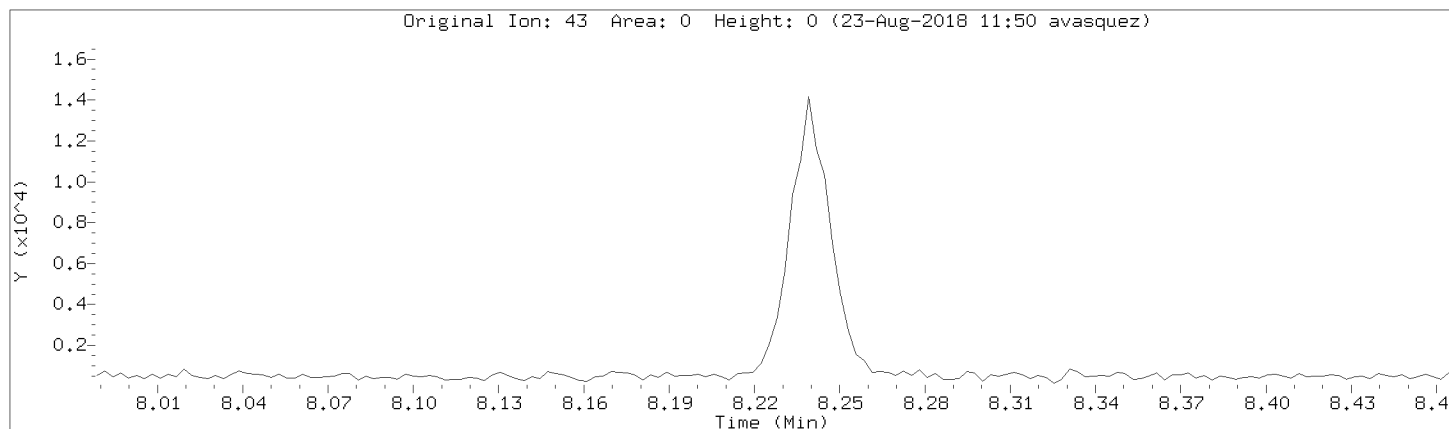
Compound: n-amyl acetate

Review Code: NI

CAS Number: 628-63-7



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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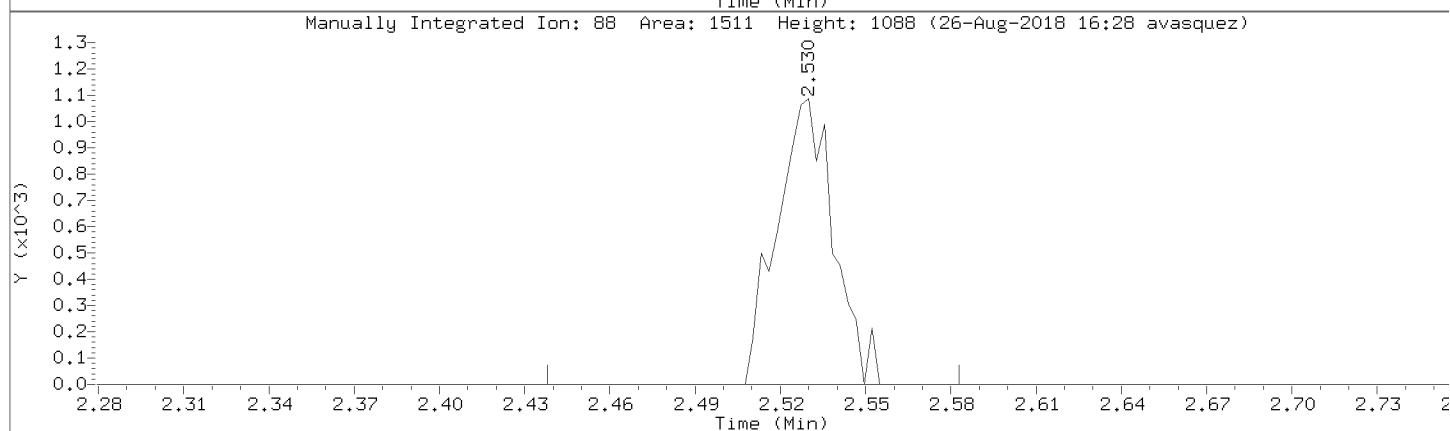
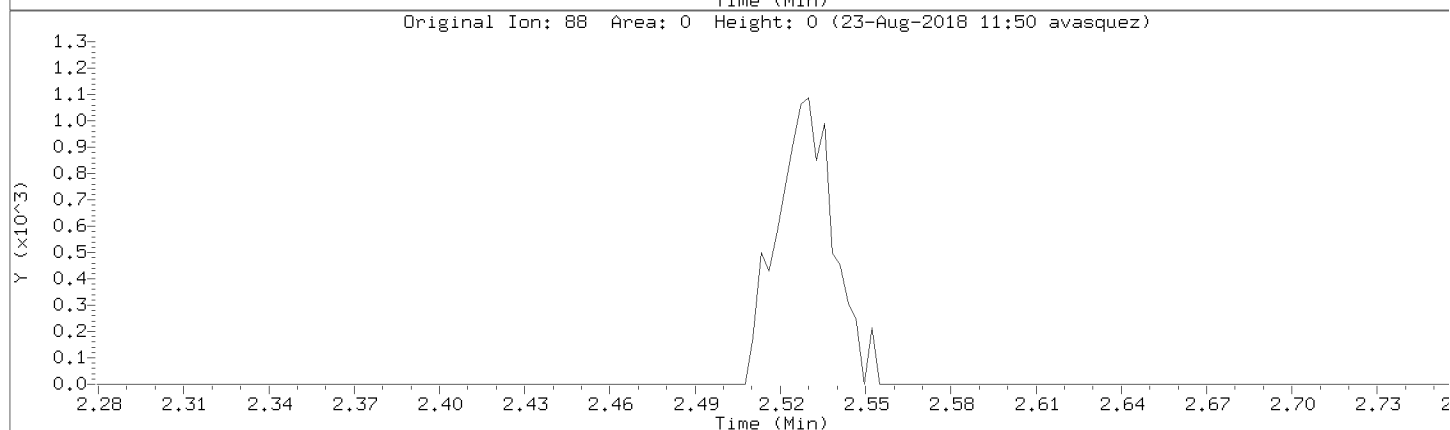
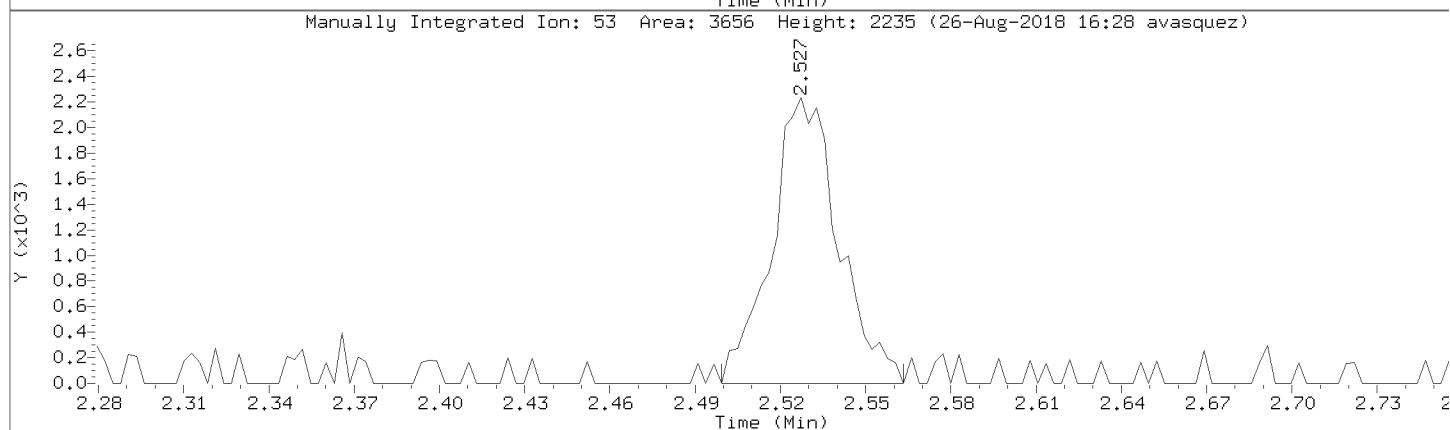
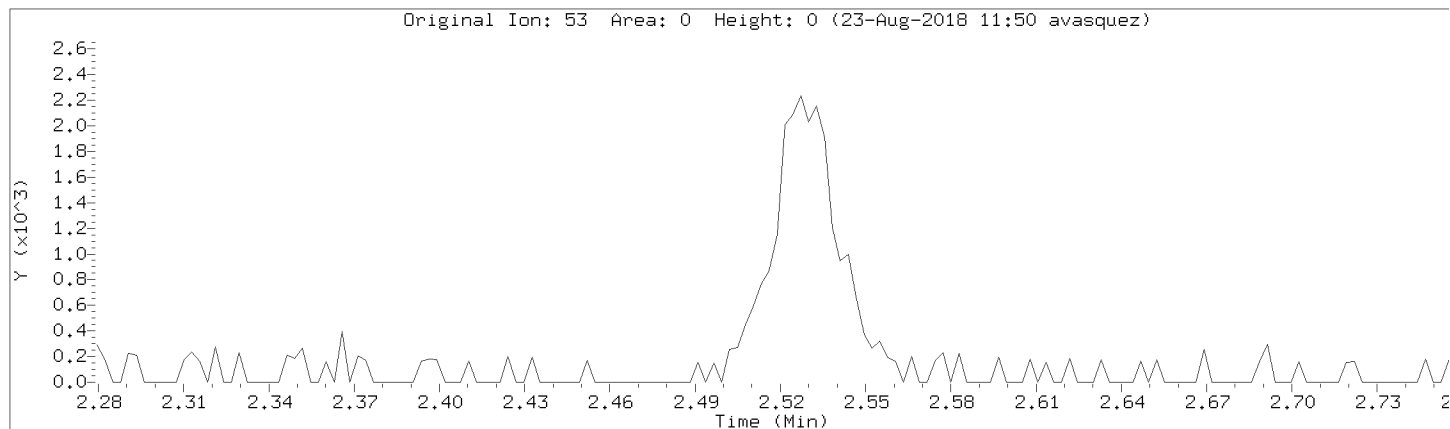
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

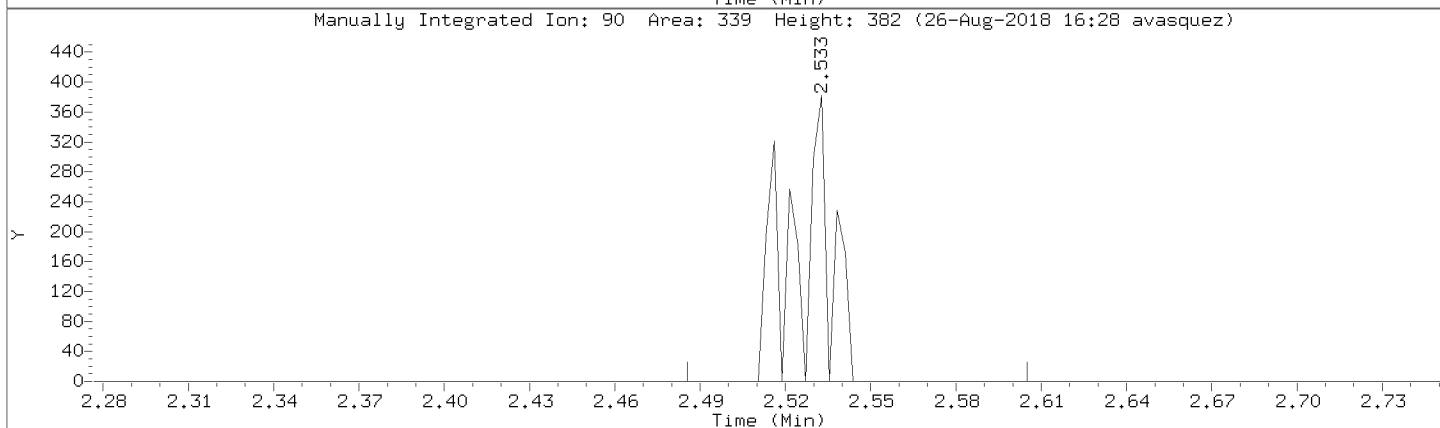
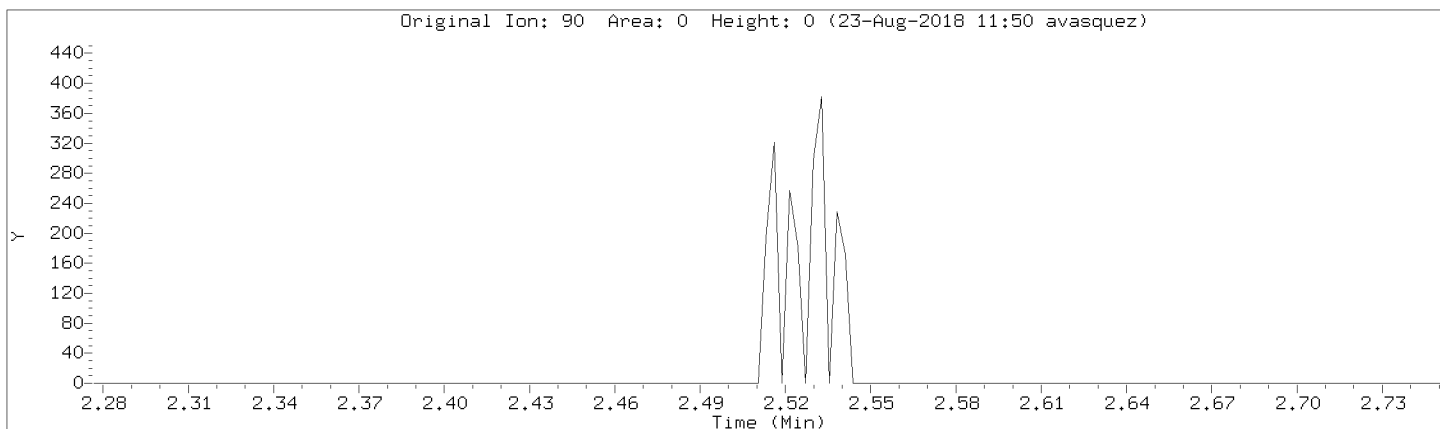
Compound: Chloroprene

Review Code: NI

CAS Number: 126-99-8



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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 22-AUG-2018 14:52

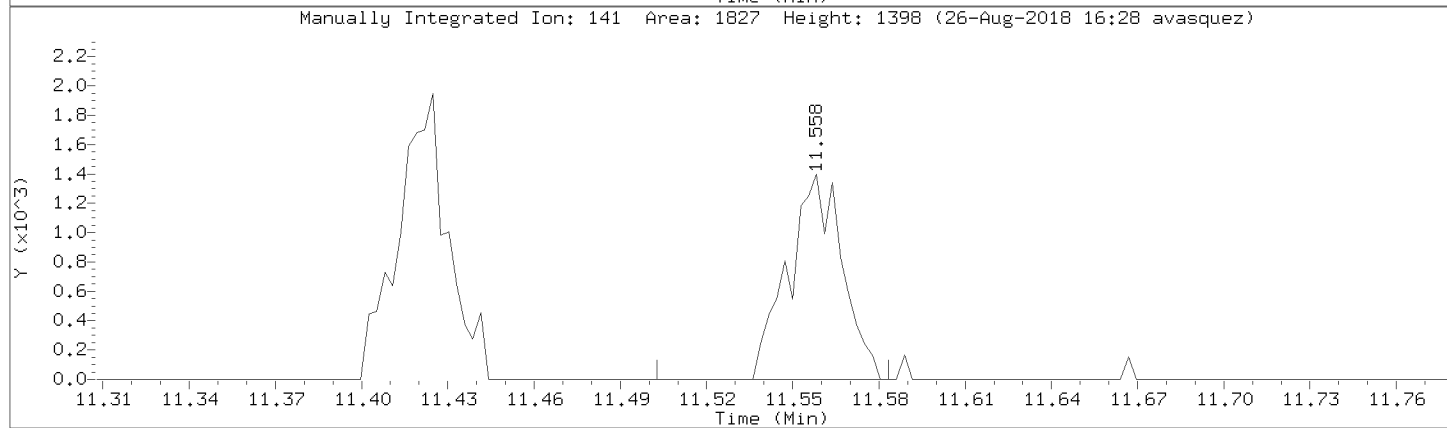
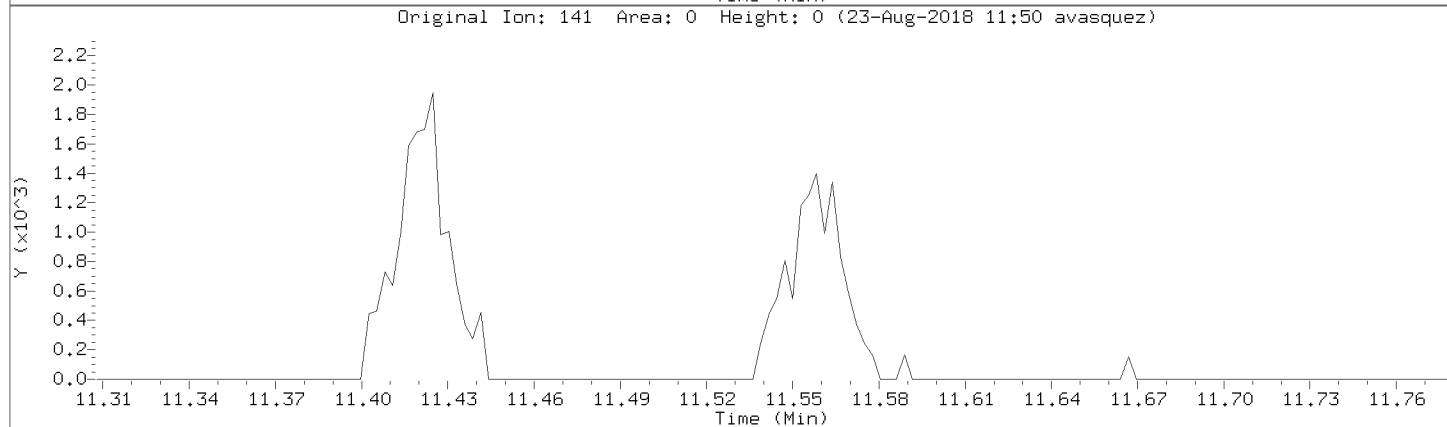
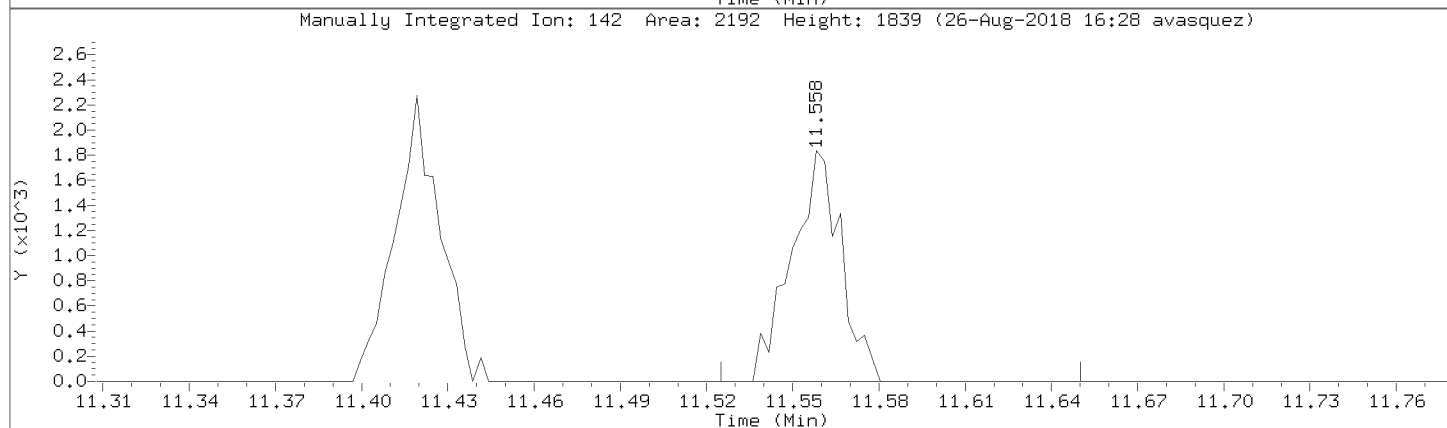
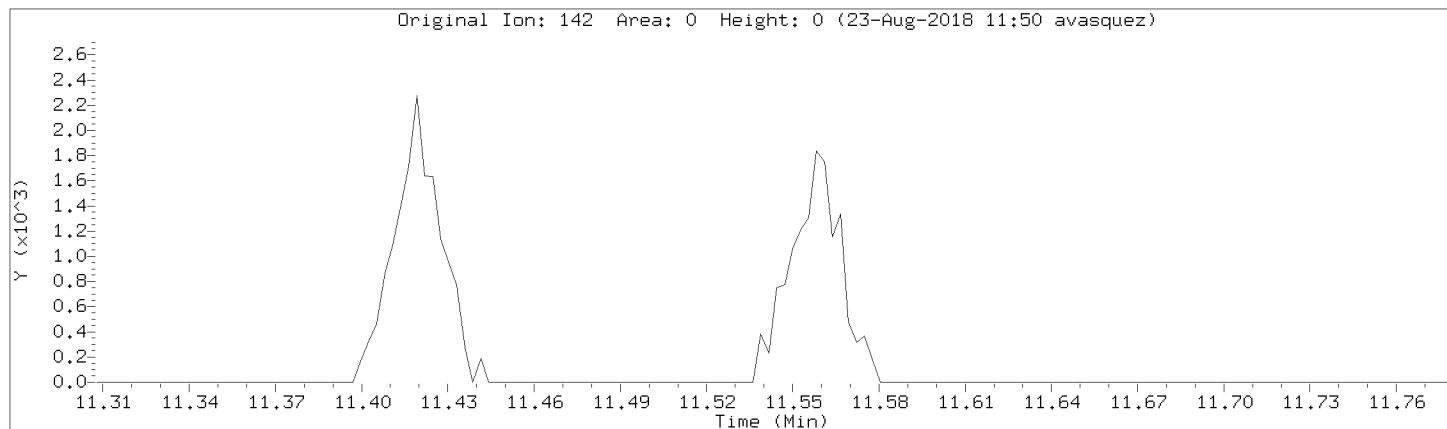
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

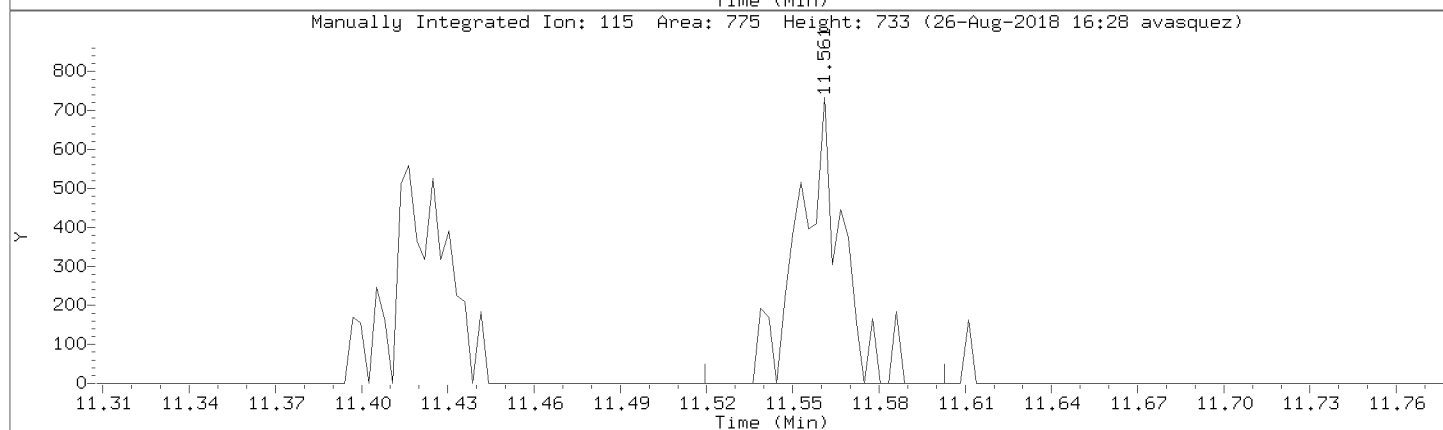
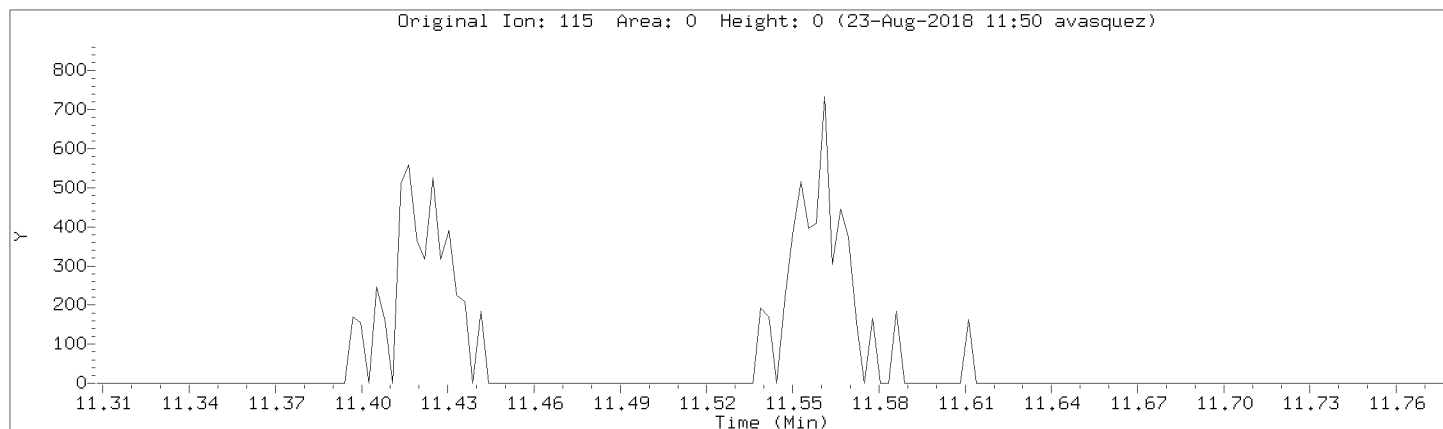
Compound: 1-Methylnaphthalene

Review Code: NI

CAS Number: 90-12-0

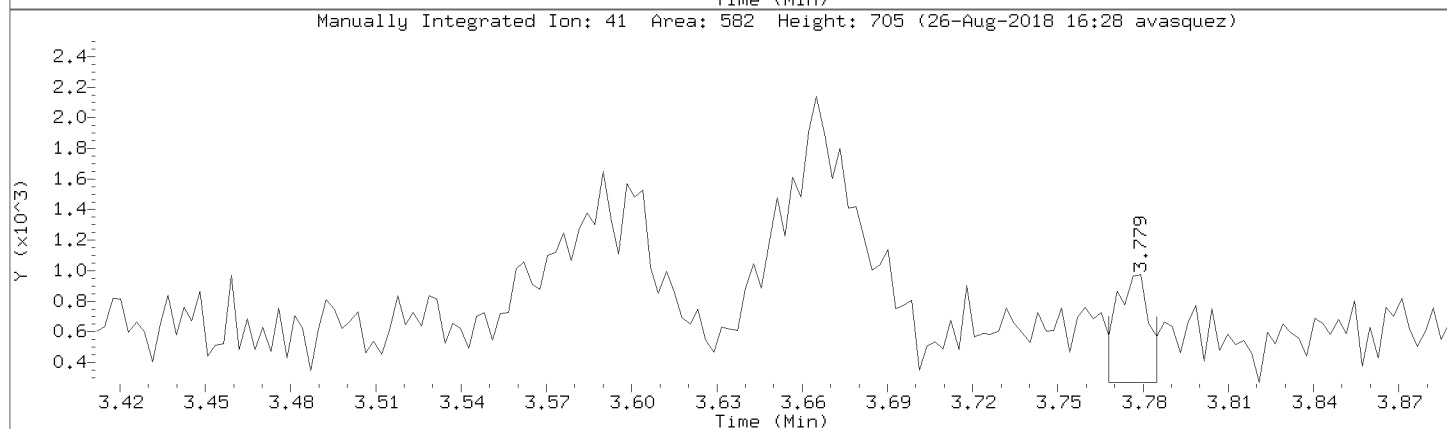
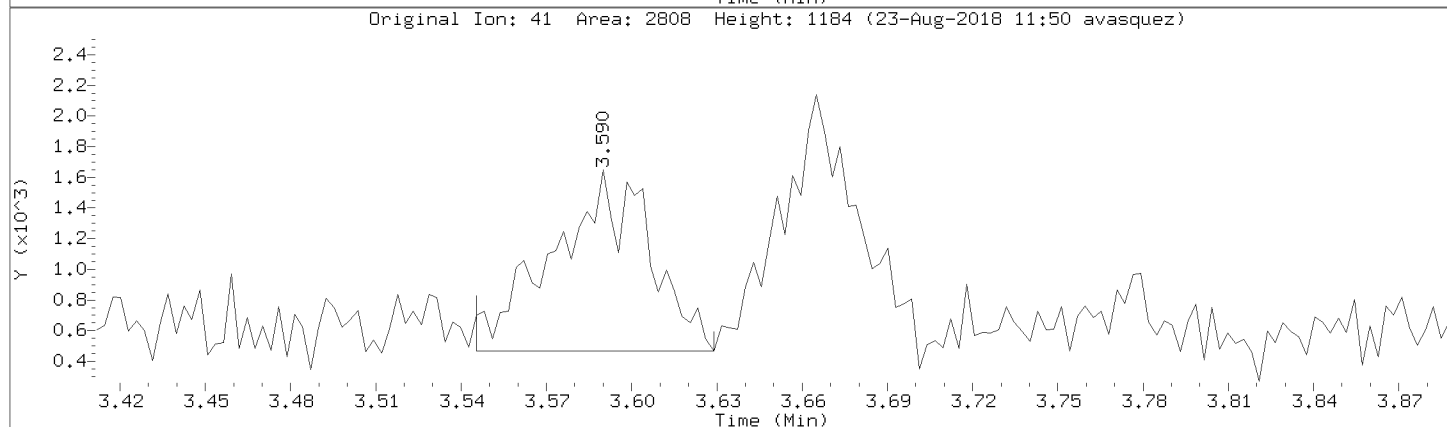
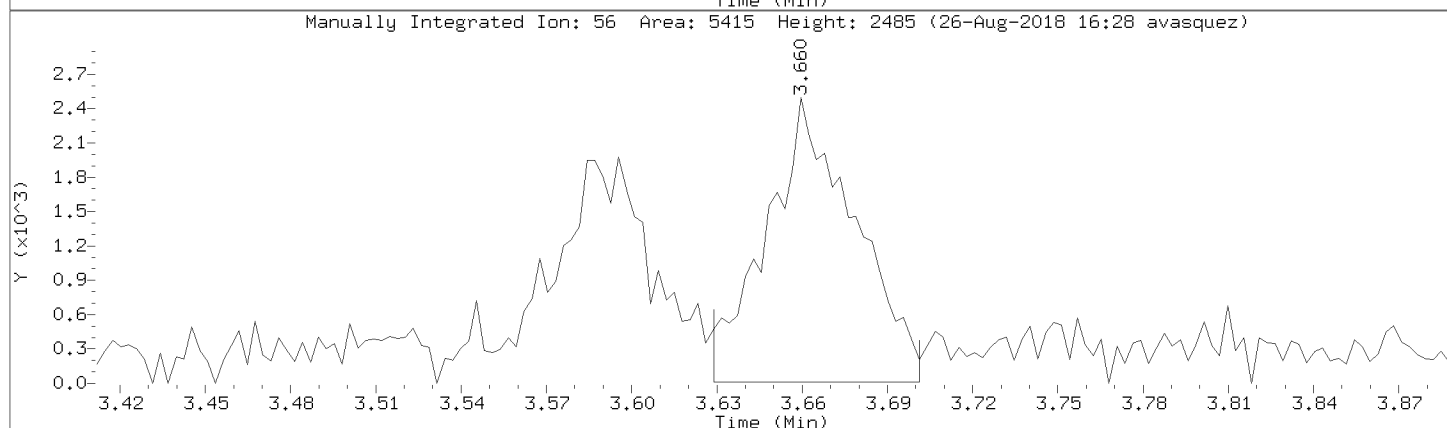
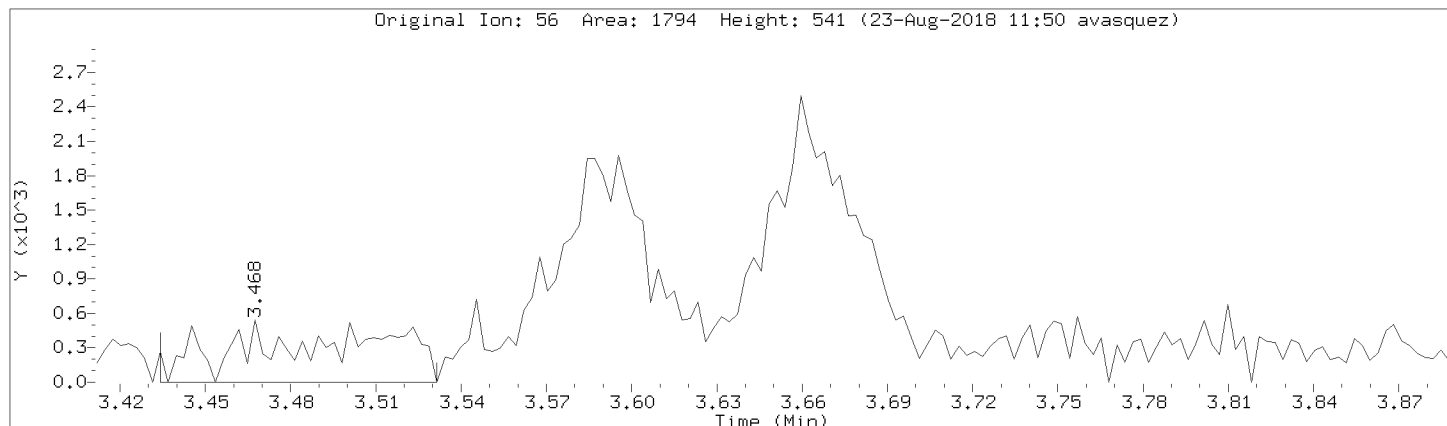


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: n-butyl chloride Review Code: NI
CAS Number: 109-69-3



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a082218.b\a04cal.d
 Lab Smp Id: 8260-CAL3 Client Smp ID: 8260-CAL3
 Inj Date : 22-AUG-2018 15:24
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 8260-cal3,184421:0
 Misc Info : 117473
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a082218.b\ -a8260_a_c.m
 Meth Date : 26-Aug-2018 16:30 50mv2a.i Quant Type: ISTD
 Cal Date : 15-AUG-2018 18:27 Cal File: a08cal.d
 Als bottle: 4 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					REVIEW C	
			MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ppb)
1 Dichlorodifluoromethane	85		0.930	0.927	(0.213)	4908	2.00000	2.17 (M)	LT
2 Chloromethane	50		1.030	1.032	(0.236)	3548	2.00000	2.98 (QM)	GT
3 Vinyl Chloride	62		1.071	1.069	(0.246)	4568	2.00000	2.24 (QM)	GT
4 Bromomethane	94		1.233	1.230	(0.283)	1184	2.00000	1.89	
5 Chloroethane	64		1.280	1.277	(0.294)	3854	2.00000	3.20 (M)	NI
6 Trichlorofluoromethane	101		1.400	1.402	(0.321)	5338	2.00000	2.21	
7 Diethyl ether	74		1.542	1.539	(0.354)	1942	2.00000	1.94	
8 1,2-dichlorotrifluoroethane	67		1.536	1.536	(0.352)	3858	2.00000	1.79 (M)	GT
9 Acrolein	56		1.617	1.614	(0.371)	16127	40.00000	41.8	
10 1,1,2trichlorotrifluoroethane	101		1.667	1.667	(0.382)	2674	2.00000	1.71	
11 1,1-Dichloroethene	96		1.675	1.675	(0.384)	2997	2.00000	1.90 (M)	GT
12 Acetone	43		1.692	1.695	(0.388)	4609	10.00000	5.28	
13 Iodomethane	142		1.770	1.770	(0.406)	5727	4.00000	3.23	
14 Carbon Disulfide	76		1.814	1.814	(0.416)	8474	2.00000	1.82 (M)	NI
15 Methyl Acetate	43		1.692	1.695	(0.388)	5560	2.00000	1.46 (QM)	NI
16 Acetonitrile	39		1.881	1.881	(0.431)	8002	2.00000	1.60 (M)	NI
17 allyl chloride	41		1.884	1.881	(0.432)	13650	4.00000	3.54 (M)	NI
18 Methylene Chloride	84		1.959	1.956	(0.449)	6004	2.00000	1.69 (M)	LT
19 tert-Butyl Alcohol	59		2.001	2.003	(0.459)	520	4.00000	3.66 (M)	NI
20 Acrylonitrile	53		2.123	2.112	(0.487)	5271	8.00000	7.48	
21 Methyl-tert-butyl ether	73		2.134	2.134	(0.490)	8218	2.00000	1.70	
22 1,2-Dichloroethene (trans)	96		2.143	2.140	(0.491)	3408	2.00000	1.98	
23 n-Hexane	57		2.335	2.335	(0.535)	8002	2.00000	1.99 (M)	NI

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
24 Vinyl Acetate	43	2.485	2.485	(0.570)	45080	8.00000	8.41 (M)	NI
25 1,1-Dichloroethane	63	2.451	2.454	(0.562)	6134	2.00000	1.87 (M)	
26 Chloroprene	53	2.527	2.529	(0.580)	6437	2.00000	1.73 (M)	NI
27 Ethyl acetate	88	2.521	2.529	(0.578)	3013	16.00000	16.0 (QM)	NI
28 2-Butanone	72	2.983	2.983	(0.684)	1383	10.00000	8.74 (QM)	NI
29 1,2-Dichloroethene (cis)	96	2.972	2.969	(0.682)	3333	2.00000	1.75	
30 2,2-Dichloropropane	77	2.972	2.972	(0.682)	5365	2.00000	1.90 (M)	WP
31 Propionitrile	54	3.064	3.047	(0.703)	395	2.00000	1.71 (QM)	NI
32 Methacrylonitrile	41	3.214	3.214	(0.737)	3781	2.00000	1.66 (M)	NI
33 Bromochloromethane	49	3.217	3.219	(0.738)	2948	2.00000	1.94	
34 Tetrahydrofuran	42	3.272	3.269	(0.751)	2121	2.00000	1.90 (M)	NI
35 Chloroform	83	3.311	3.311	(0.759)	5801	2.00000	1.78 (M)	GT
\$ 36 Dibromofluoromethane (S)	113	3.498	3.503	(0.802)	78222	50.00000	50.4	
37 1,1,1-Trichloroethane	97	3.514	3.523	(0.806)	5420	2.00000	1.67 (M)	GT
38 cyclohexane	56	3.587	3.587	(0.823)	6530	2.00000	1.69	
150 n-butyl chloride	56	3.662	3.662	(0.840)	8452	2.00000	1.84 (M)	WP
39 Carbon Tetrachloride	117	3.734	3.728	(0.856)	4708	2.00000	1.86 (M)	GT
40 1,1-Dichloropropene	75	3.734	3.734	(0.856)	4161	2.00000	1.75	
41 Benzene	78	4.001	4.004	(0.918)	12161	2.00000	1.80	
42 1,2-Dichloroethane	62	4.035	4.032	(0.925)	4316	2.00000	1.74 (M)	NI
43 2,2,4-Trimethylpentane	57	4.118	4.121	(0.944)	15871	2.00000	2.02 (M)	NI
* 45 Fluorobenzene	96	4.360	4.363	(1.000)	347840	50.00000		
46 isopropyl acetate	61	4.143	4.146	(0.950)	4926	8.00000	7.29 (QM)	
47 Trichloroethene	95	4.805	4.802	(1.102)	3278	2.00000	1.78 (M)	LT
48 Methylcyclohexane	55	5.022	5.022	(1.152)	5961	2.00000	1.84 (M)	NI
49 1,2-Dichloropropane	63	5.070	5.067	(1.163)	3225	2.00000	1.80 (M)	NI
50 1,4-Dioxane	88	5.231	5.245	(1.200)	65	40.00000	32.6 (QM)	NI
51 Dibromomethane	93	5.203	5.200	(1.193)	1772	2.00000	1.88 (M)	NI
52 Methyl methacrylate	69	5.256	5.248	(1.205)	2730	2.00000	2.01 (TM)	NI
53 Bromodichloromethane	83	5.401	5.398	(1.239)	4335	2.00000	1.76 (M)	NI
54 2-Chloroethyl vinyl ether	63	5.776	5.771	(0.766)	4768	4.00000	3.64	
55 cis-1,3-Dichloropropene	75	5.910	5.907	(0.784)	5151	2.00000	1.80	
56 4-Methyl-2-Pentanone	43	6.099	6.099	(0.809)	17881	10.00000	8.10 (M)	
\$ 57 Toluene-d8	98	6.188	6.188	(0.821)	332172	50.00000	50.7	
58 Toluene	91	6.260	6.260	(0.830)	13522	2.00000	1.68	
59 trans-1,3-Dichloropropene	75	6.516	6.513	(0.864)	4700	2.00000	1.76	
60 Ethyl Methacrylate	69	6.639	6.633	(0.880)	4750	2.00000	1.66 (M)	NI
61 1,1,2-Trichloroethane	83	6.692	6.689	(0.887)	2516	2.00000	1.58 (M)	NI
62 Tetrachloroethene	166	6.803	6.806	(0.902)	3840	2.00000	1.77	
63 1,3-Dichloropropane	76	6.845	6.845	(0.908)	4336	2.00000	1.65	
64 2-Hexanone	43	6.948	6.945	(0.921)	13933	10.00000	8.94 (M)	BA
65 Dibromochloromethane	129	7.042	7.045	(0.934)	3131	2.00000	1.77	
66 1,2-Dibromoethane	107	7.137	7.134	(0.947)	2831	2.00000	1.92	
* 67 Chlorobenzene-d5	117	7.540	7.540	(1.000)	268180	50.00000		
68 Chlorobenzene	112	7.562	7.565	(1.003)	8069	2.00000	1.73	
69 1,1,1,2-Tetrachloroethane	131	7.638	7.640	(1.013)	3187	2.00000	1.77	
70 Ethylbenzene	106	7.663	7.663	(1.016)	4829	2.00000	1.78	
71 m&p-Xylene	106	7.760	7.763	(1.029)	11713	4.00000	3.47	
72 o-Xylene	106	8.072	8.072	(1.070)	5575	2.00000	1.81	
73 Styrene	104	8.083	8.083	(1.072)	9027	2.00000	1.72	
74 Bromoform	173	8.216	8.219	(0.887)	2416	2.00000	1.91 (M)	NI
75 Isopropylbenzene	105	8.350	8.353	(1.107)	15895	2.00000	1.80	
\$ 76 4-Bromofluorobenzene	95	8.461	8.461	(1.122)	126052	50.00000	50.2	
77 n-amyl acetate	70	8.239	8.241	(1.093)	8846	8.00000	7.01 (M)	NI

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
78 Bromobenzene	77	8.564	8.567	(1.136)	5503	2.00000	1.78 (M)	GT
79 1,1,2,2-Tetrachloroethane	83	8.575	8.575	(0.925)	3632	2.00000	1.80 (M)	NI
80 trans-1,4-Dichloro-2-butene	53	8.617	8.614	(1.143)	1176	2.00000	1.63 (QM)	NI
81 1,2,3-Trichloropropane	110	8.606	8.603	(0.929)	1306	2.00000	2.07 (QM)	LT
82 n-Propylbenzene	91	8.650	8.650	(0.933)	16742	2.00000	1.67	
83 2-Chlorotoluene	91	8.706	8.709	(0.939)	9794	2.00000	1.60	
84 1,3,5-Trimethylbenzene	105	8.773	8.775	(0.947)	12860	2.00000	1.85	
85 4-Chlorotoluene	126	8.787	8.787	(0.948)	3522	2.00000	1.84 (Q)	
86 tert-Butylbenzene	119	9.001	9.004	(0.971)	14297	2.00000	1.77	
87 1,2,4-Trimethylbenzene	105	9.029	9.034	(0.974)	12442	2.00000	1.79	
88 sec-Butylbenzene	105	9.151	9.151	(0.987)	15871	2.00000	1.77	
89 1,3-Dichlorobenzene	146	9.223	9.223	(0.995)	6370	2.00000	1.68 (H)	WP
90 p-Isopropyltoluene	119	9.246	9.246	(0.998)	13582	2.00000	1.81	
* 91 1,4-Dichlorobenzene-d4	152	9.268	9.268	(1.000)	139601	50.0000		
92 1,4-Dichlorobenzene	146	9.287	9.285	(1.002)	6326	2.00000	1.66	
93 n-Butylbenzene	91	9.516	9.516	(1.027)	11854	2.00000	1.68	
94 1,2-Dichlorobenzene	146	9.530	9.532	(1.028)	5716	2.00000	1.69	
95 1,2-Dibromo-3-chloropropane	155	10.030	10.033	(1.082)	610	2.00000	1.79 (M)	NI
96 1,2,4-Trichlorobenzene	180	10.545	10.545	(1.138)	4191	2.00000	1.73	
97 Hexachlorobutadiene	225	10.642	10.640	(1.148)	2089	2.00000	1.66	
98 Naphthalene	128	10.701	10.701	(1.155)	9326	2.00000	1.66	
99 1,2,3-Trichlorobenzene	180	10.846	10.845	(1.170)	3773	2.00000	1.73	
100 2-methyl-naphthalene	142	11.421	11.419	(1.232)	4982	2.00000	1.72	
101 1-Methylnaphthalene	142	11.555	11.558	(1.247)	3985	2.00000	1.71	

QC Flag Legend

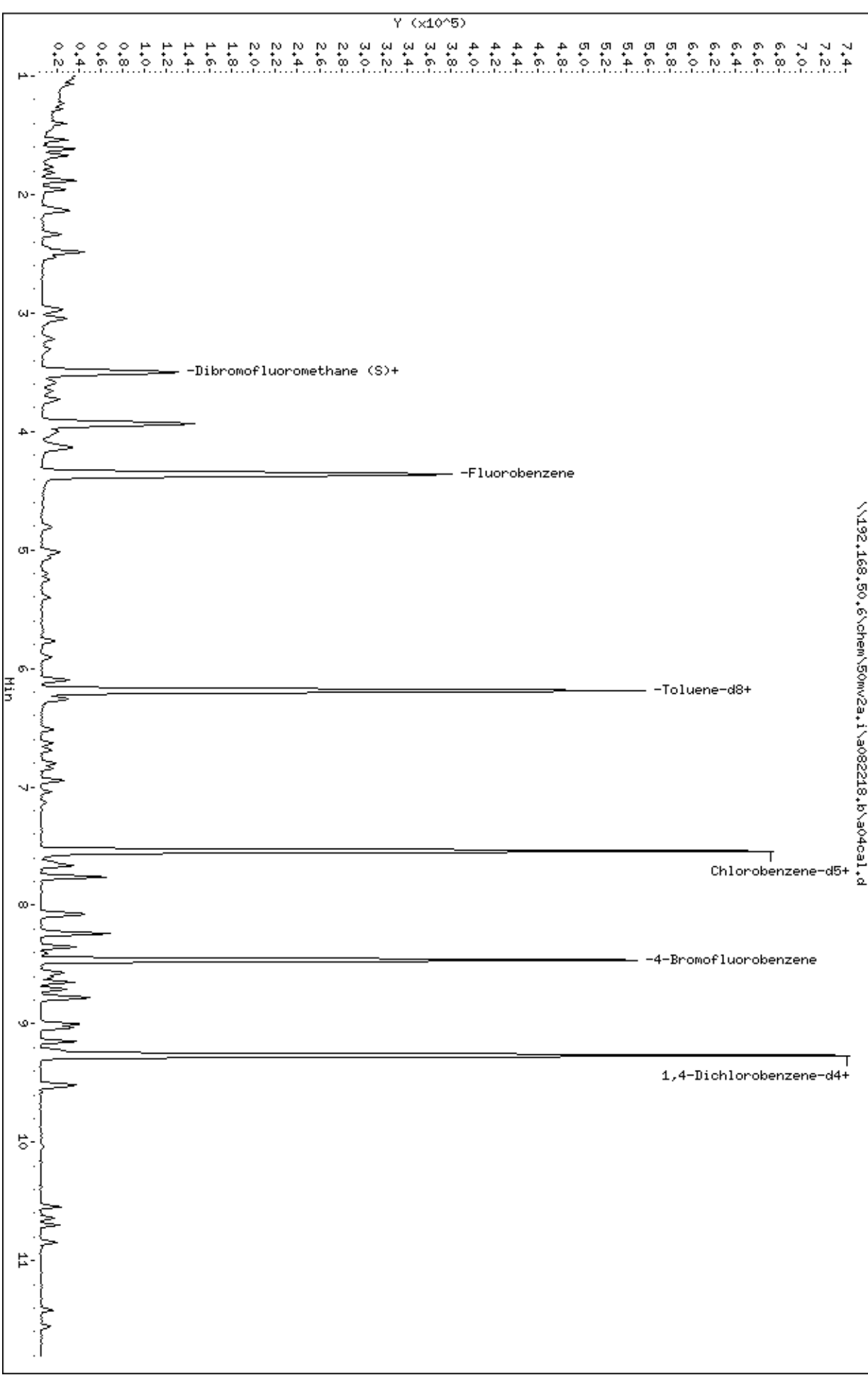
- T - Target compound detected outside RT window.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Review Codes Legend

- LT: Indicates that the peak in question was inappropriately integrated to an area less than what it should be (e.g., Peak area was cut).
- GT: Indicates that the peak in question was inappropriately integrated to an area greater than it should be (e.g., Peak tailing).
- :
- NI: Indicates that the peak was not integrated at all by the computer software.
- WP: Indicates that the wrong peak was chosen by the data system.
- BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\192.168.50.6\chem\50mw2a.1\3082218.b\3040a1.d
Date: 22-AUG-2018 15:24
Client ID: 8260-CAL3
Sample Info: 8260-CAL3,184421:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw2a.1
Operator: amw
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b/a04cal.d

Injection Date: 22-AUG-2018 15:24

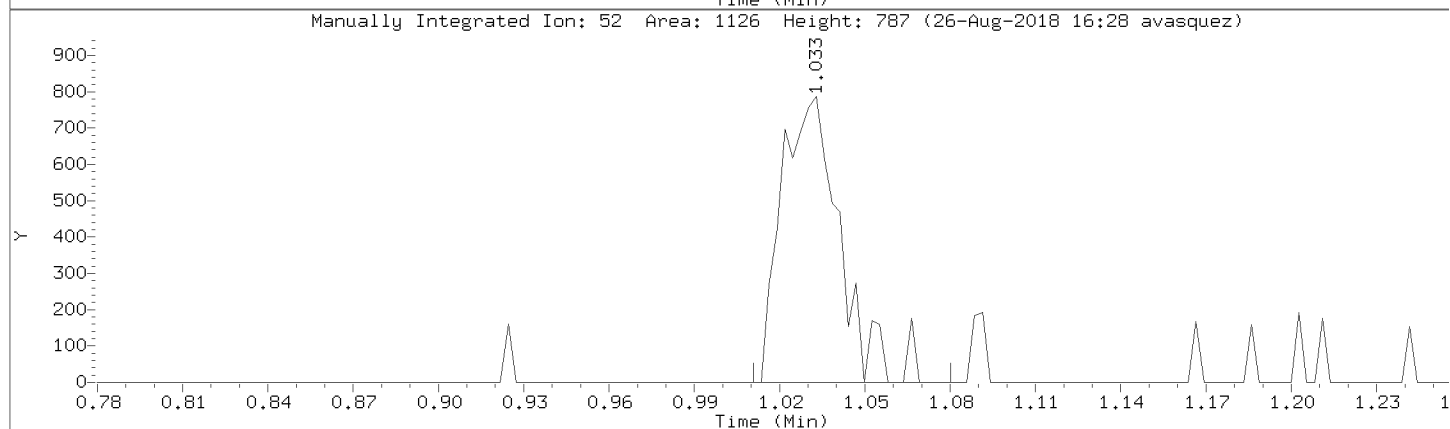
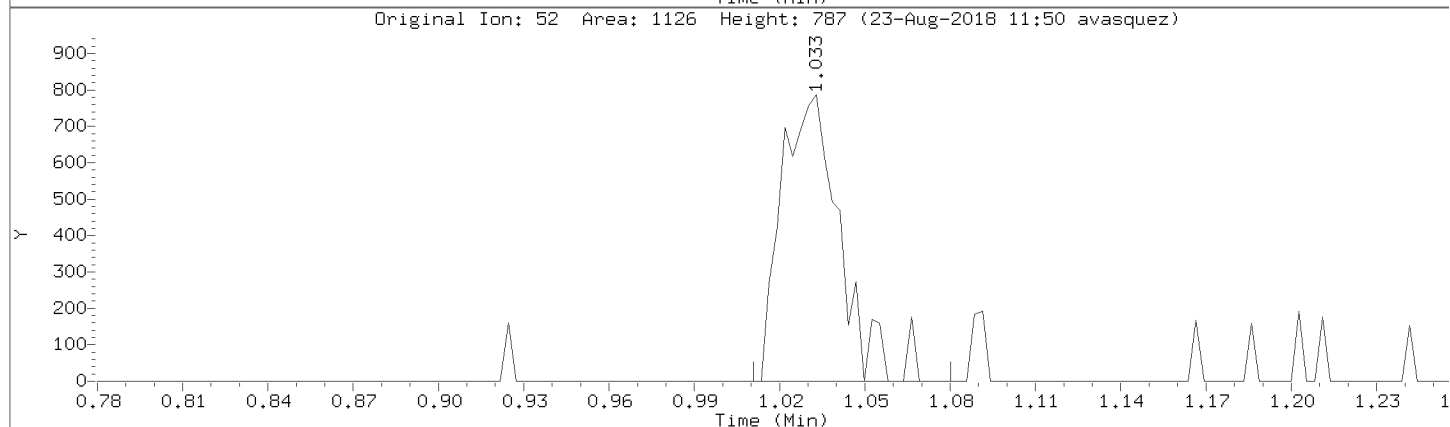
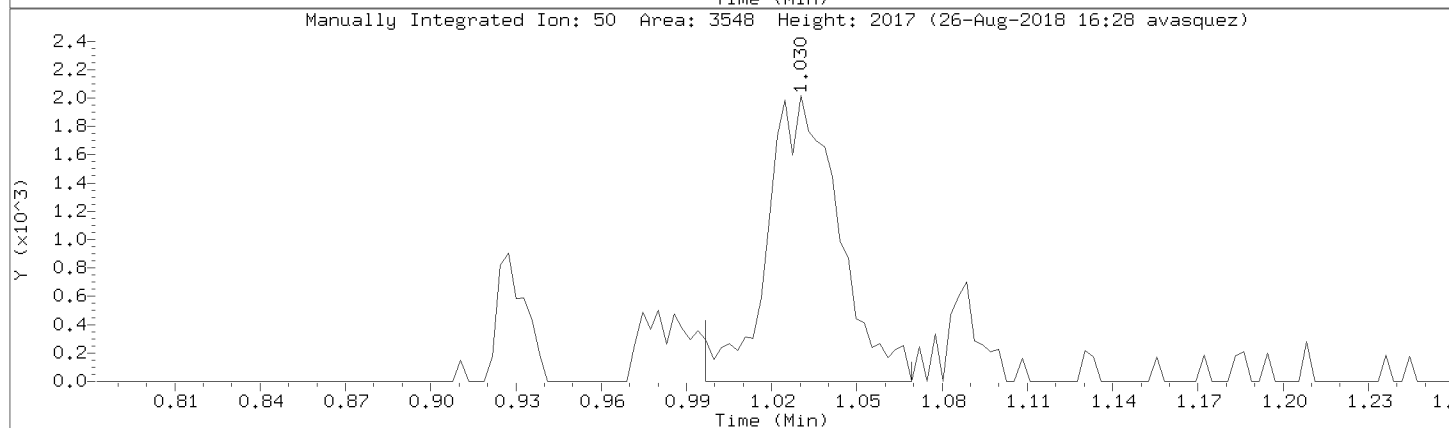
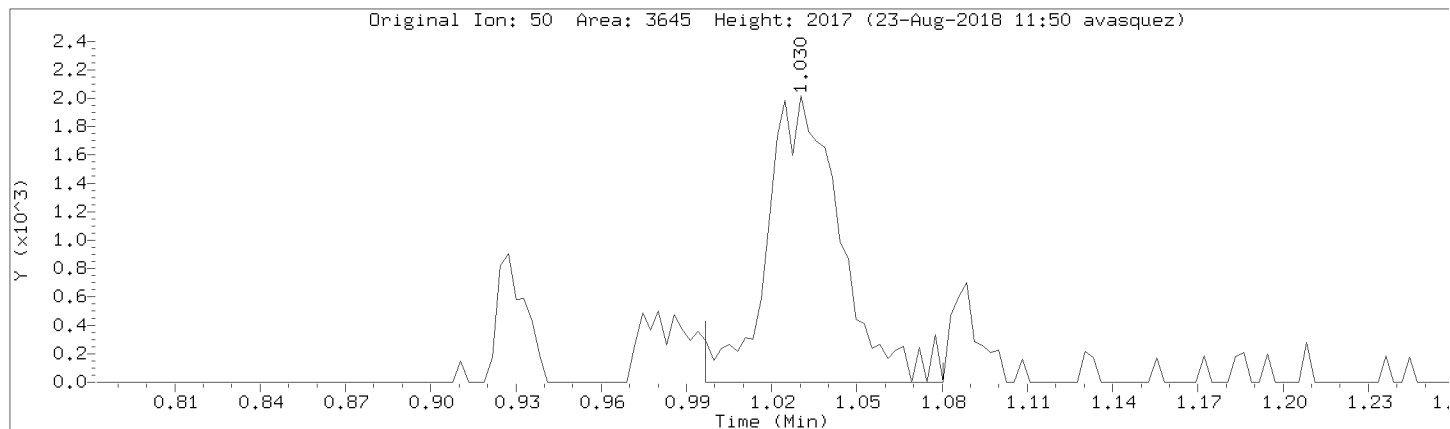
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: Chloromethane

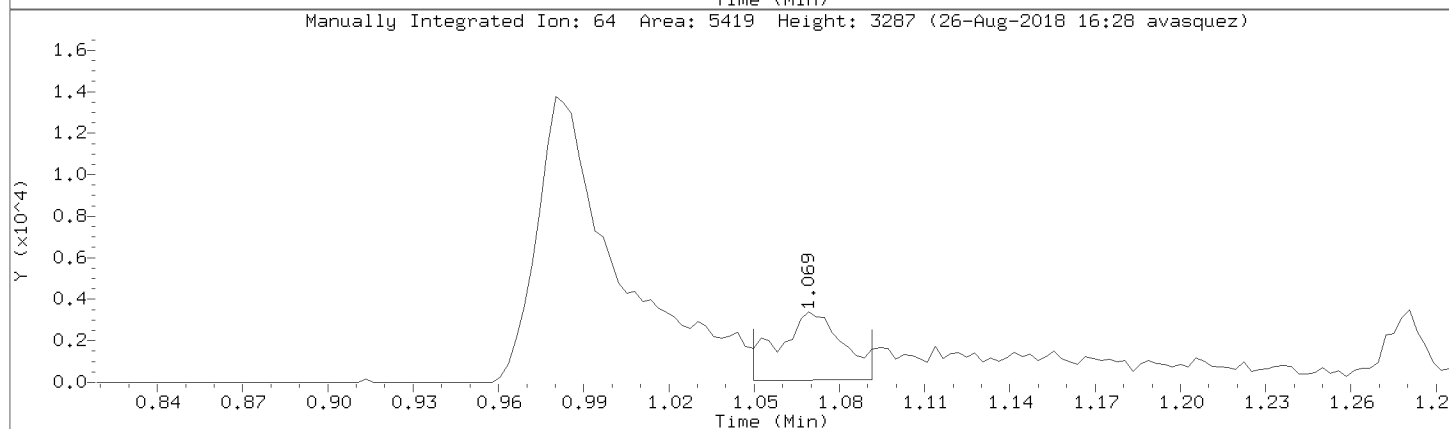
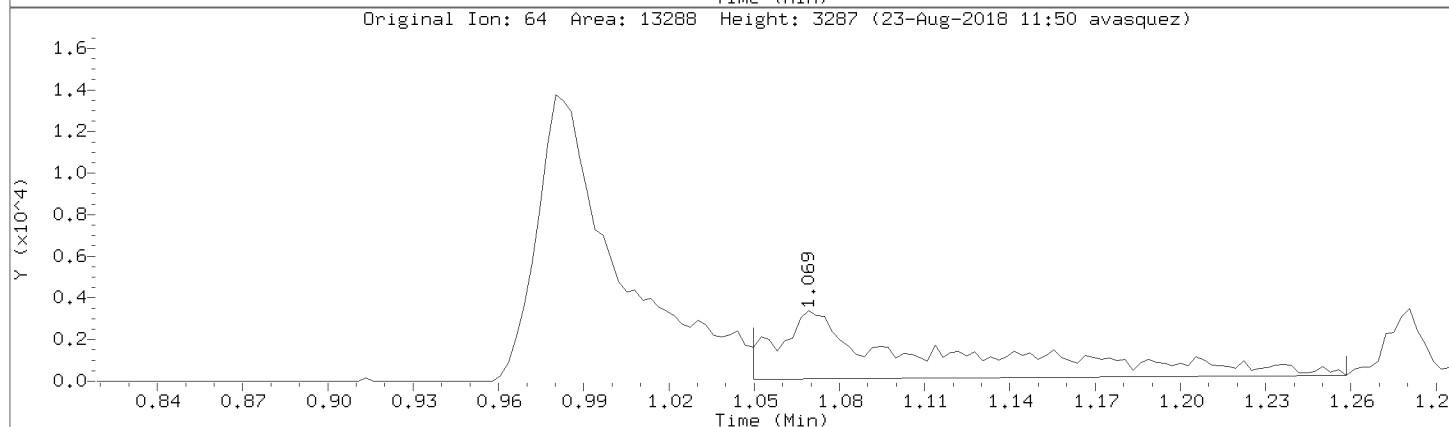
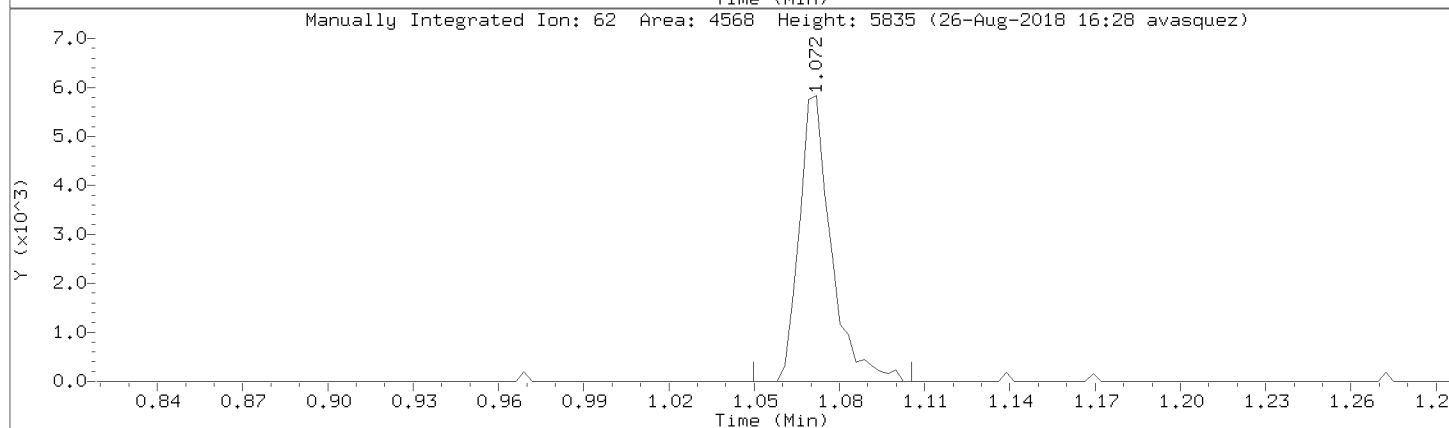
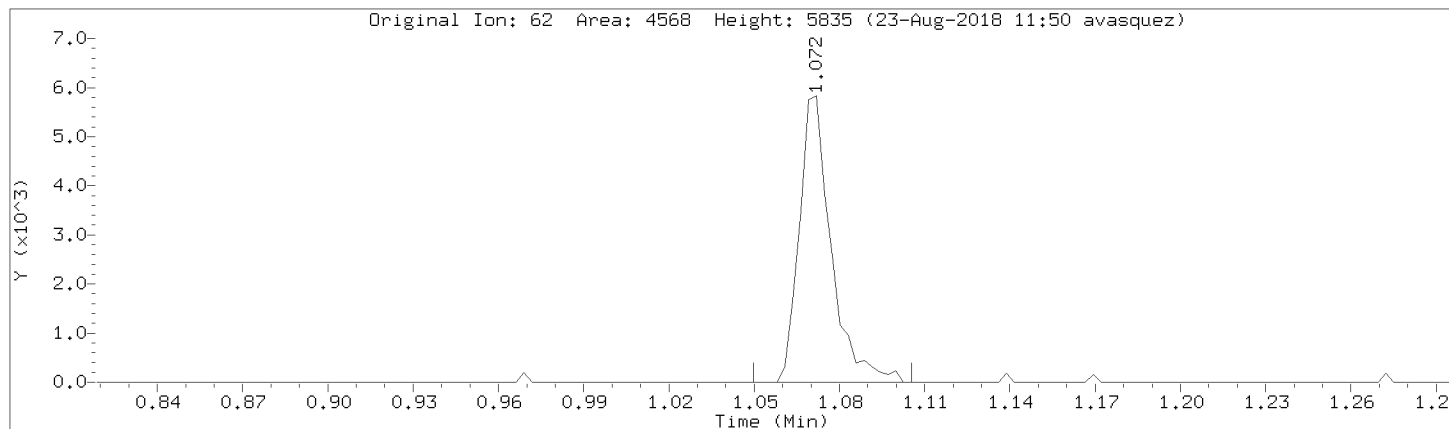
Review Code: GT

CAS Number: 74-87-3



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\04cal.d
Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

Compound: Vinyl Chloride Review Code: GT
CAS Number: 75-01-4



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d

Injection Date: 22-AUG-2018 15:24

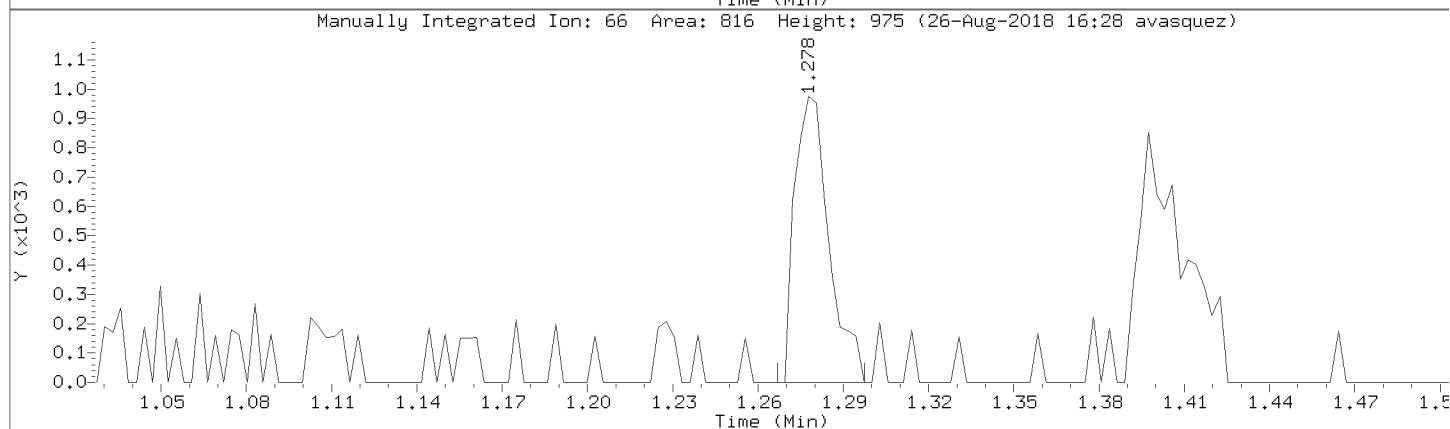
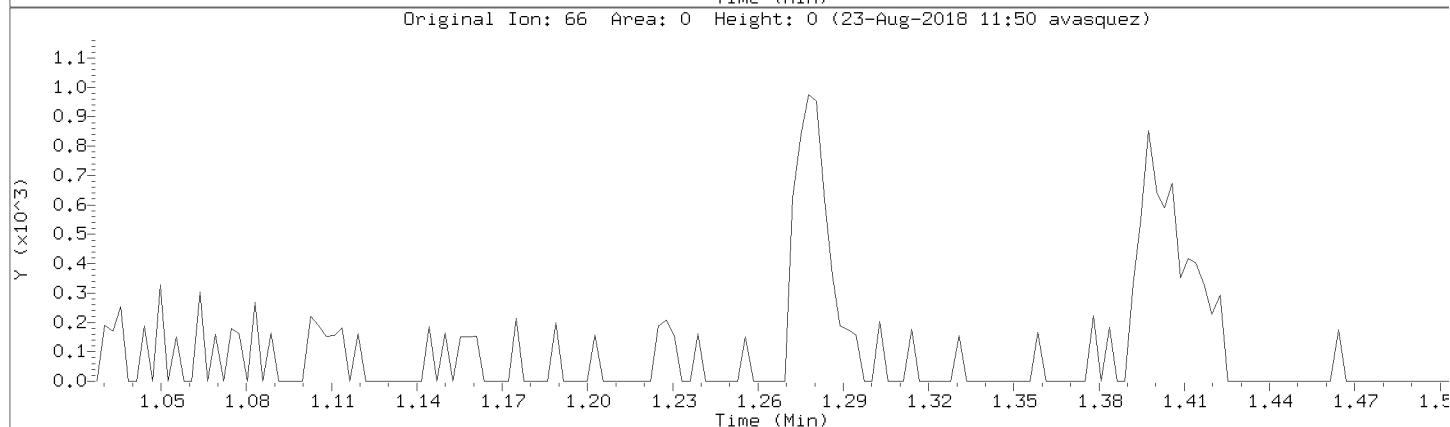
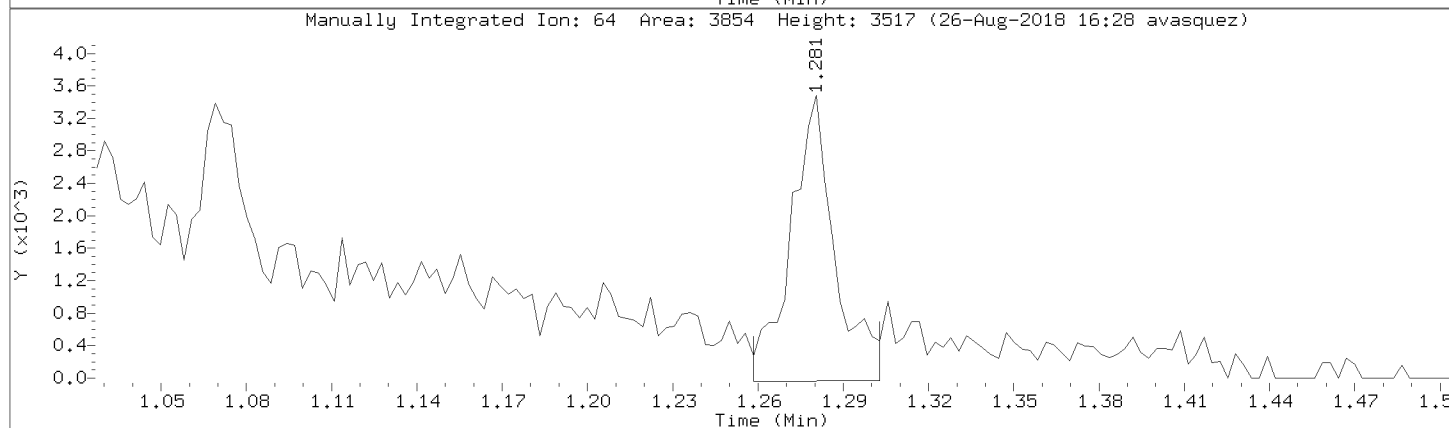
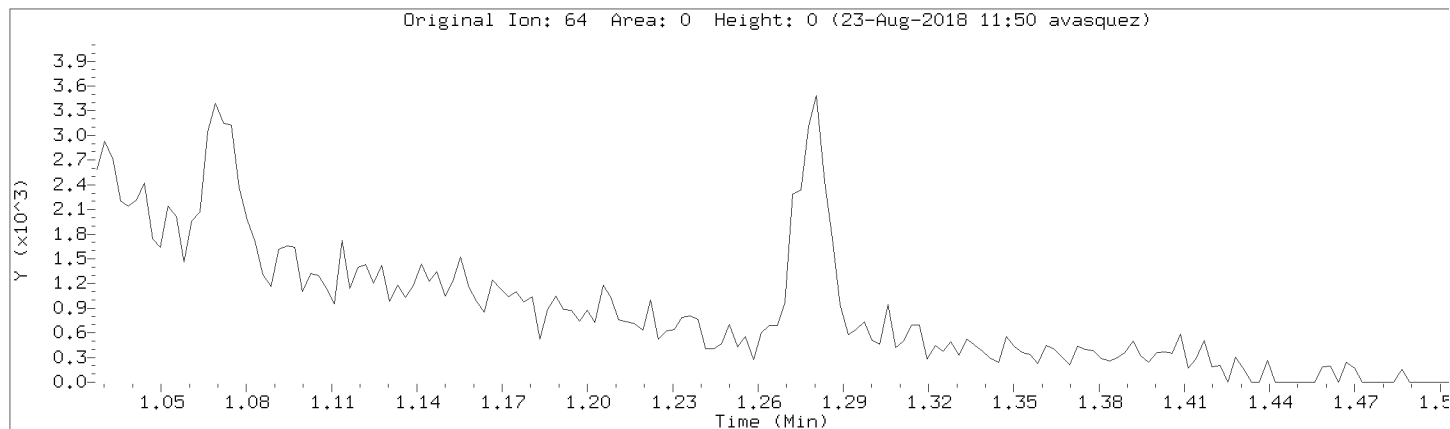
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: Chloroethane

Review Code: NI

CAS Number: 75-00-3



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Injection Date: 22-AUG-2018 15:24

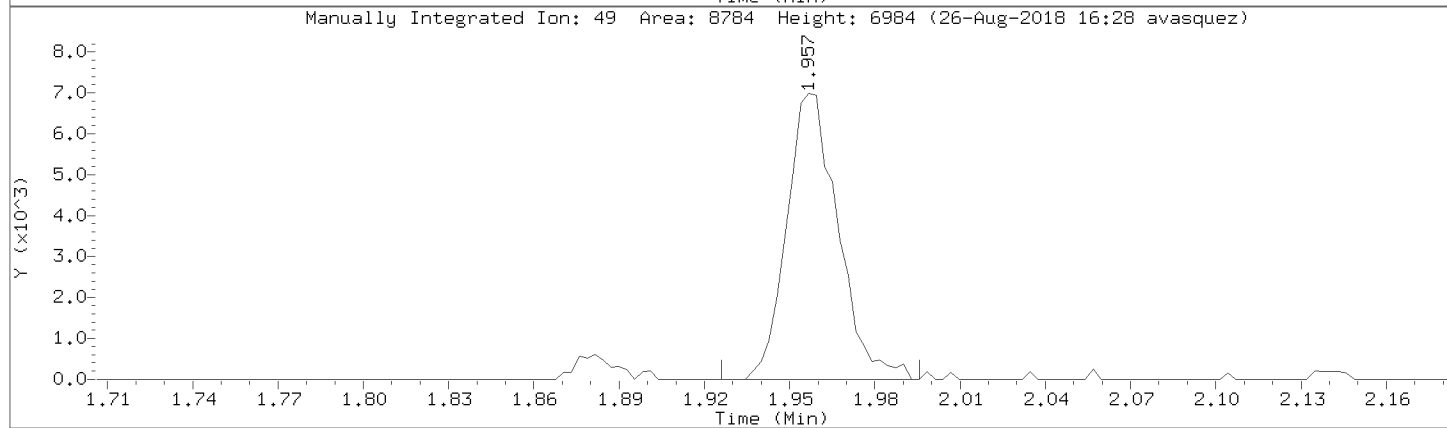
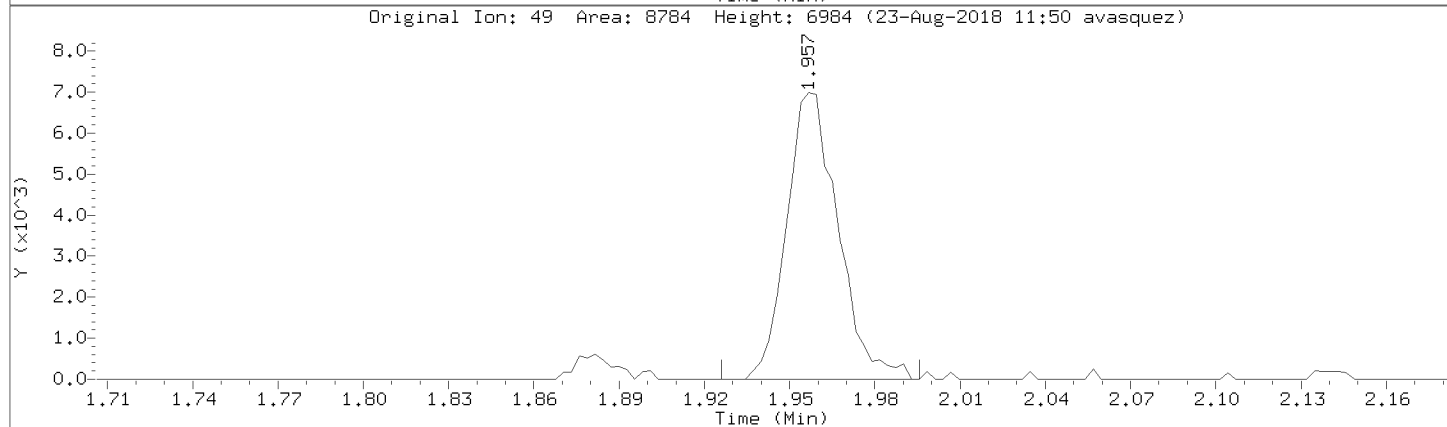
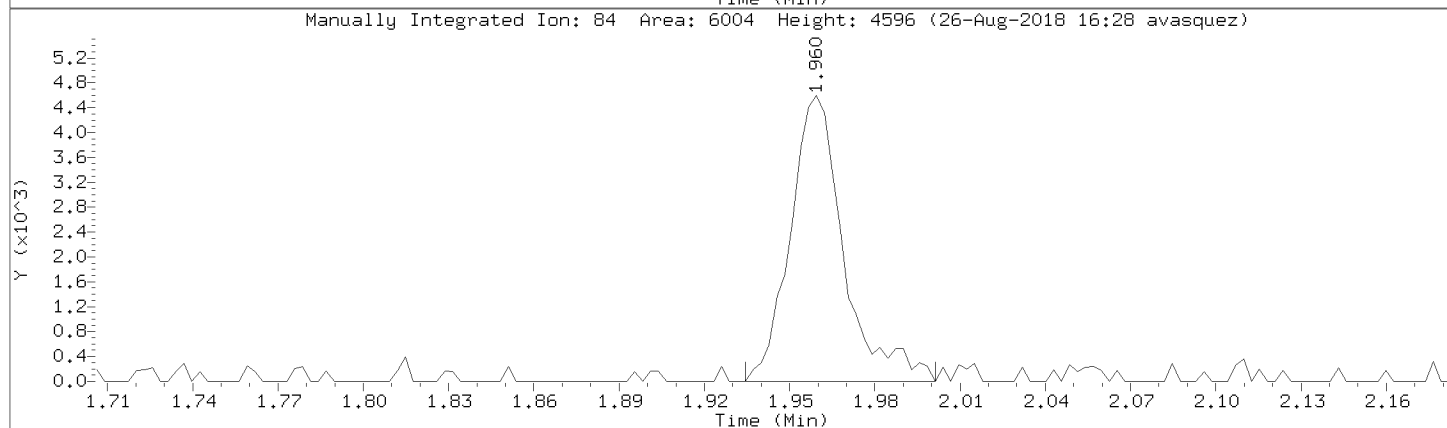
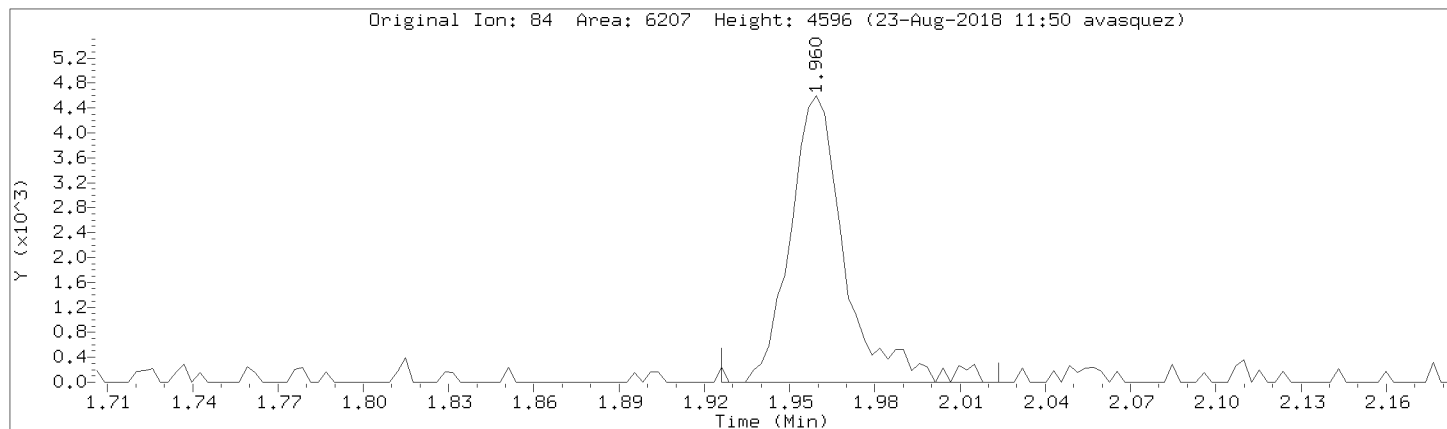
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

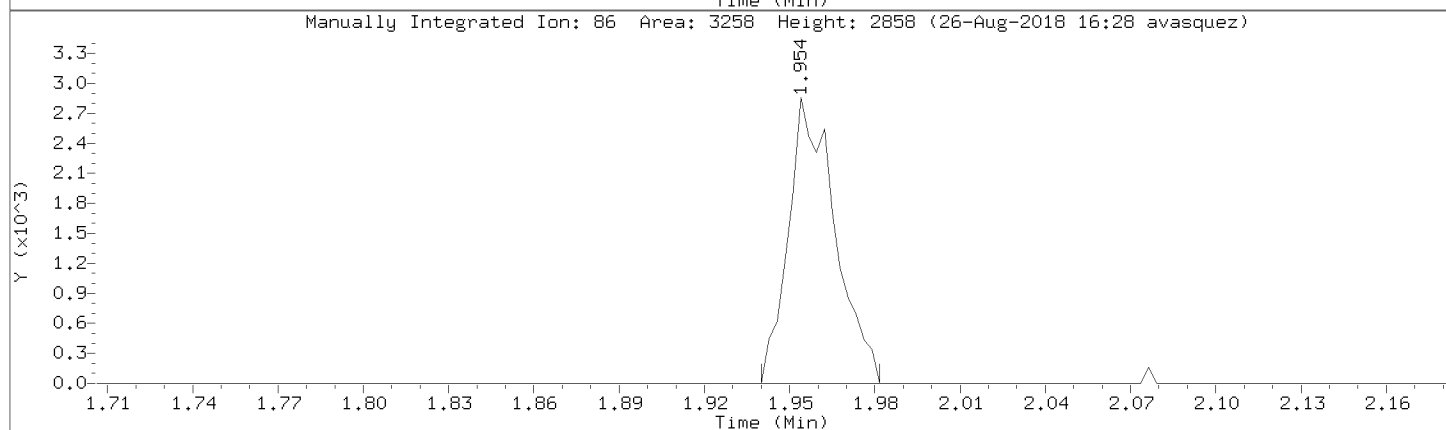
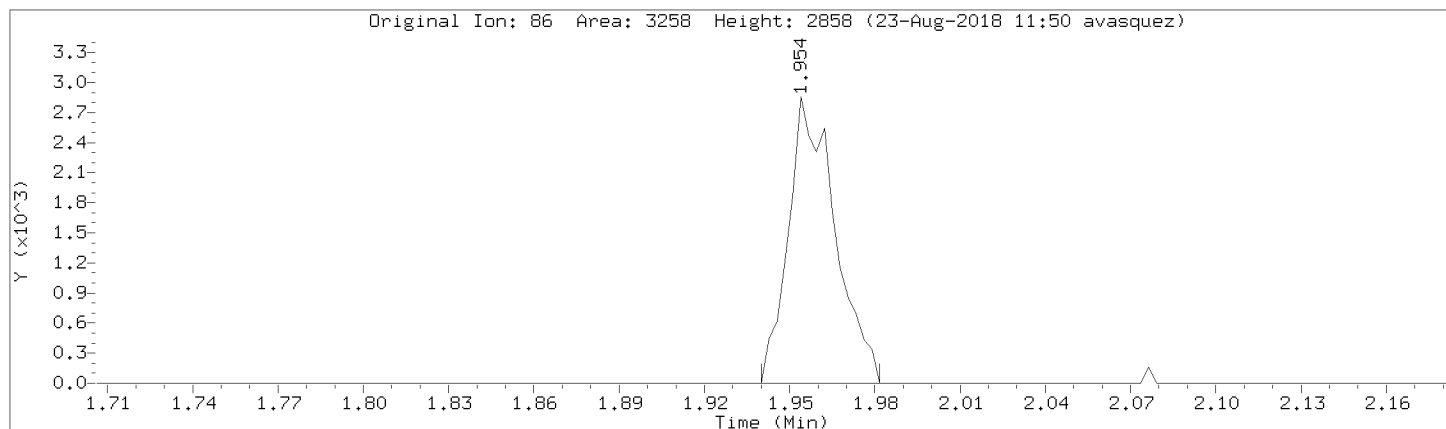
Compound: Methylene Chloride

Review Code: LT

CAS Number: 75-09-2



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d
Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3



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Injection Date: 22-AUG-2018 15:24

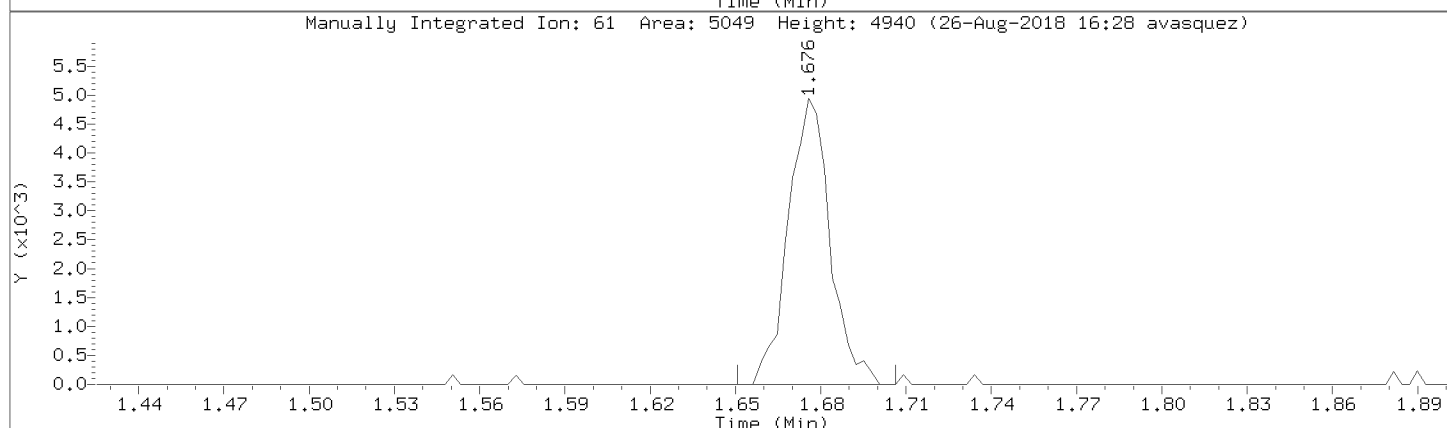
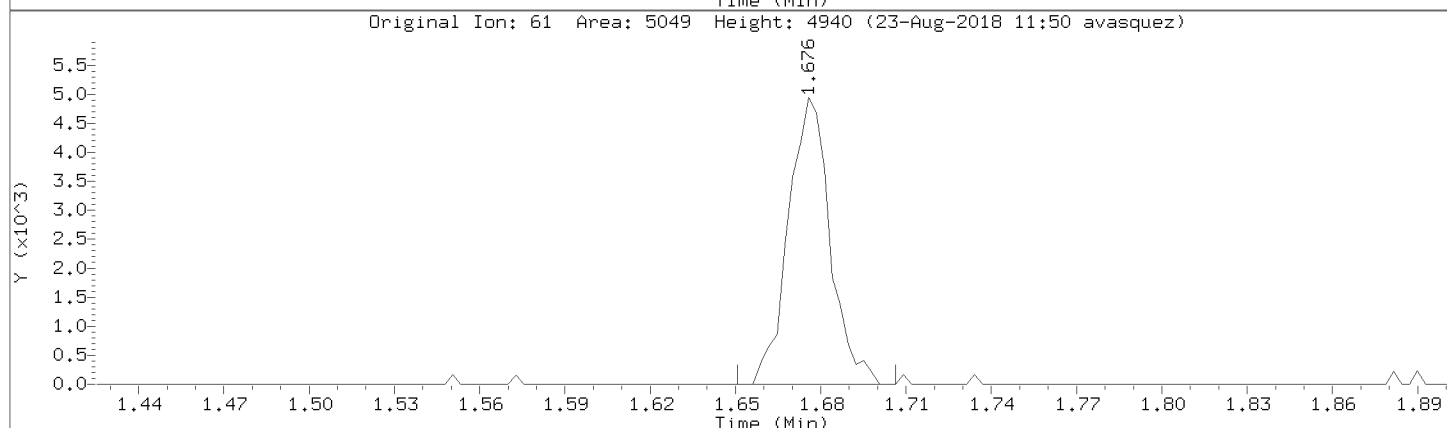
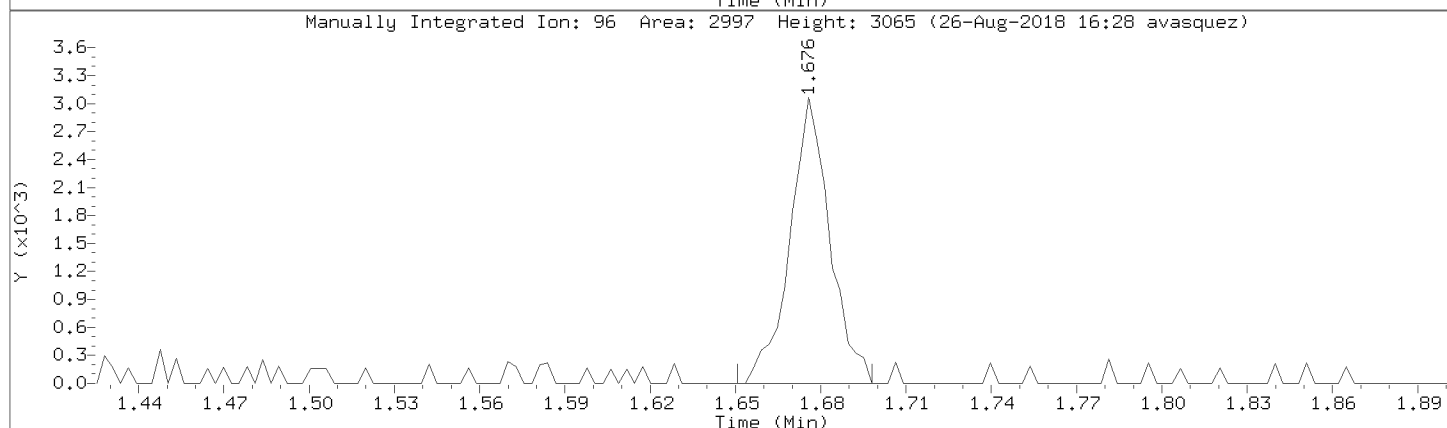
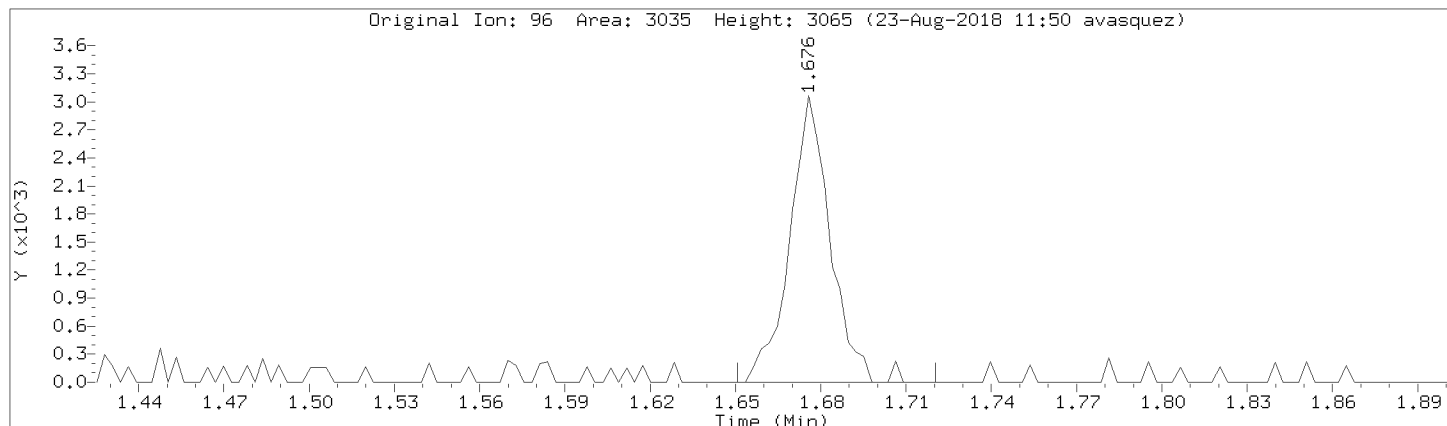
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

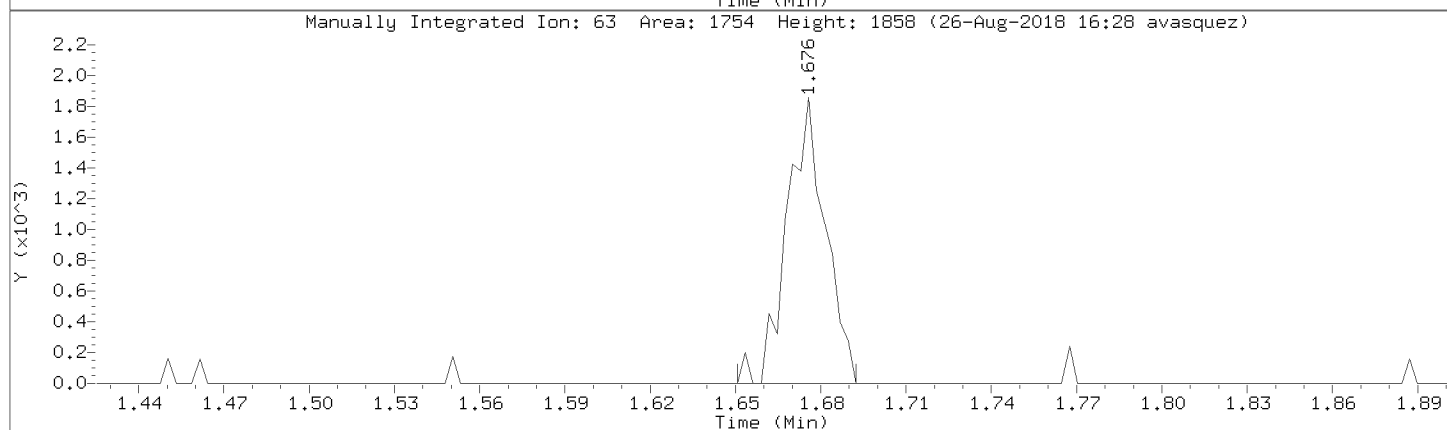
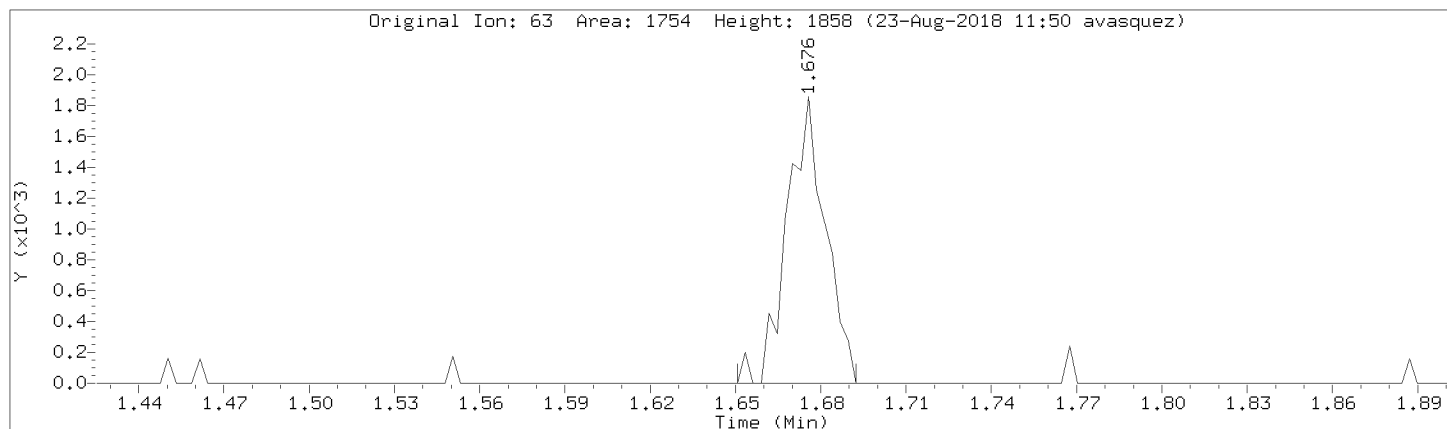
Compound: 1,1-Dichloroethene

Review Code: GT

CAS Number: 75-35-4



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d
Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3



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Injection Date: 22-AUG-2018 15:24

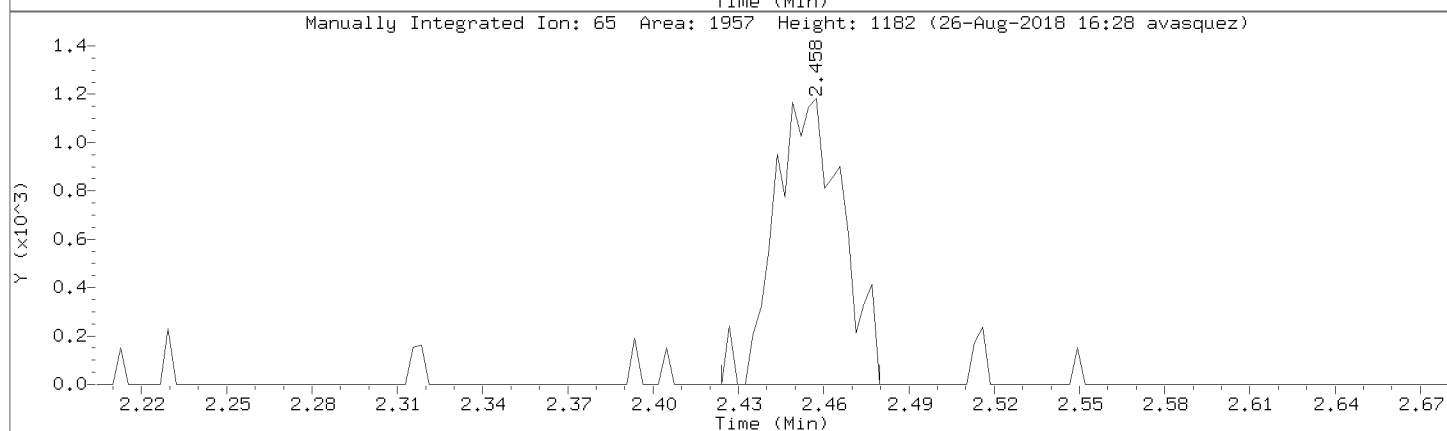
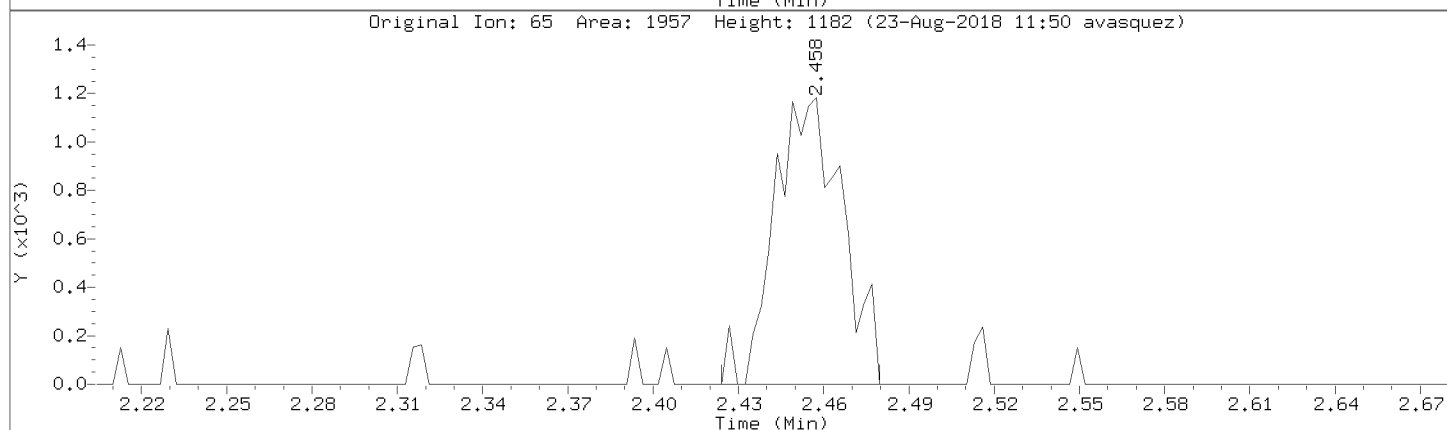
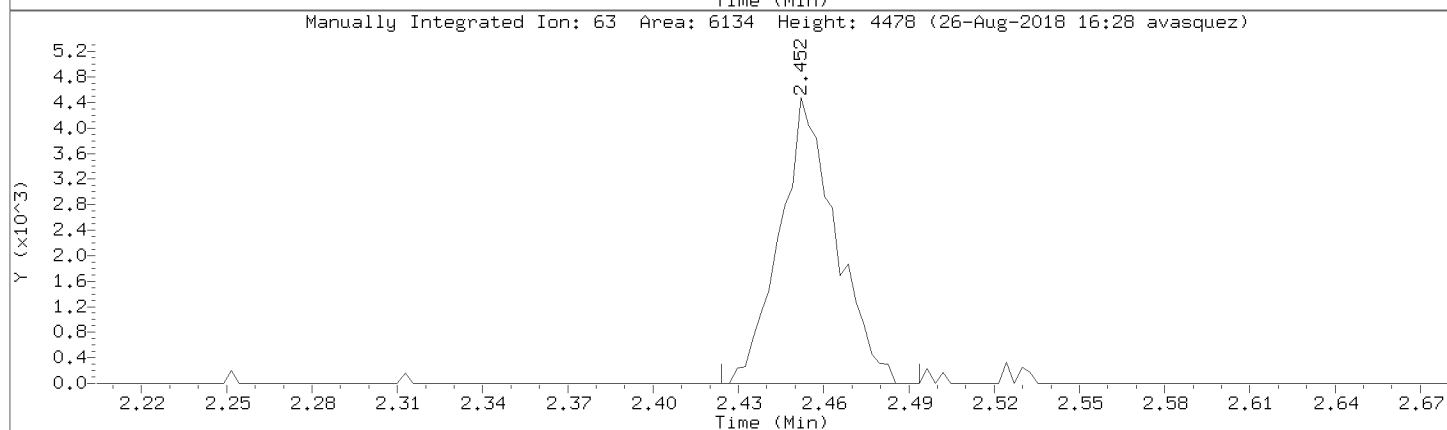
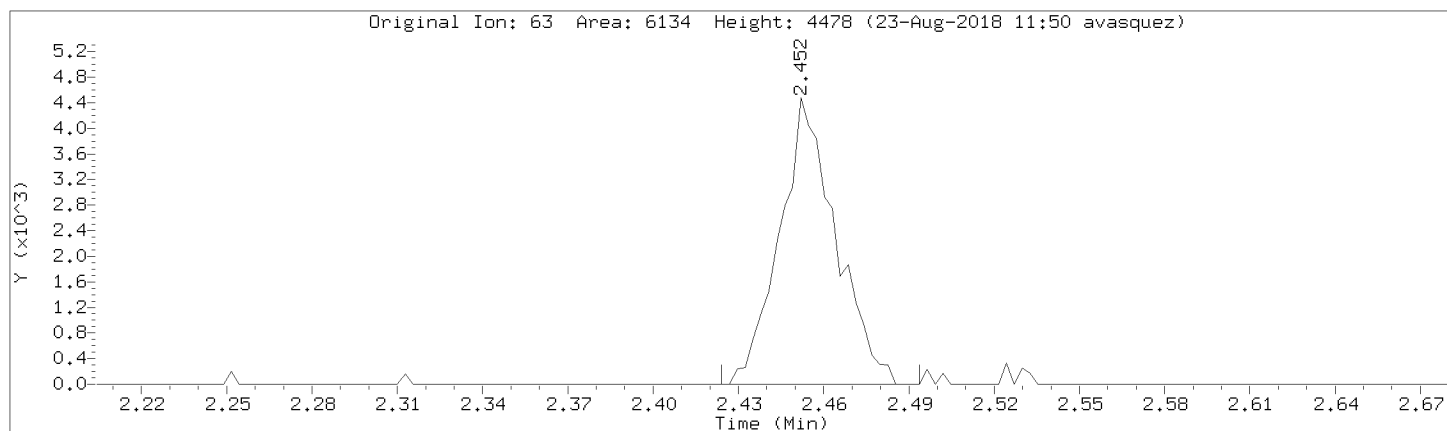
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

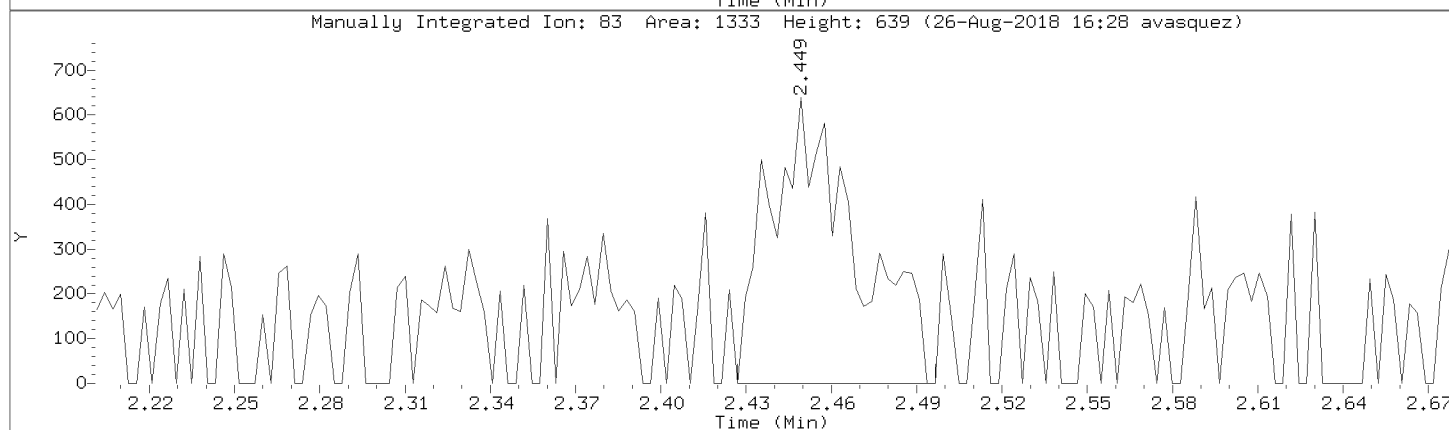
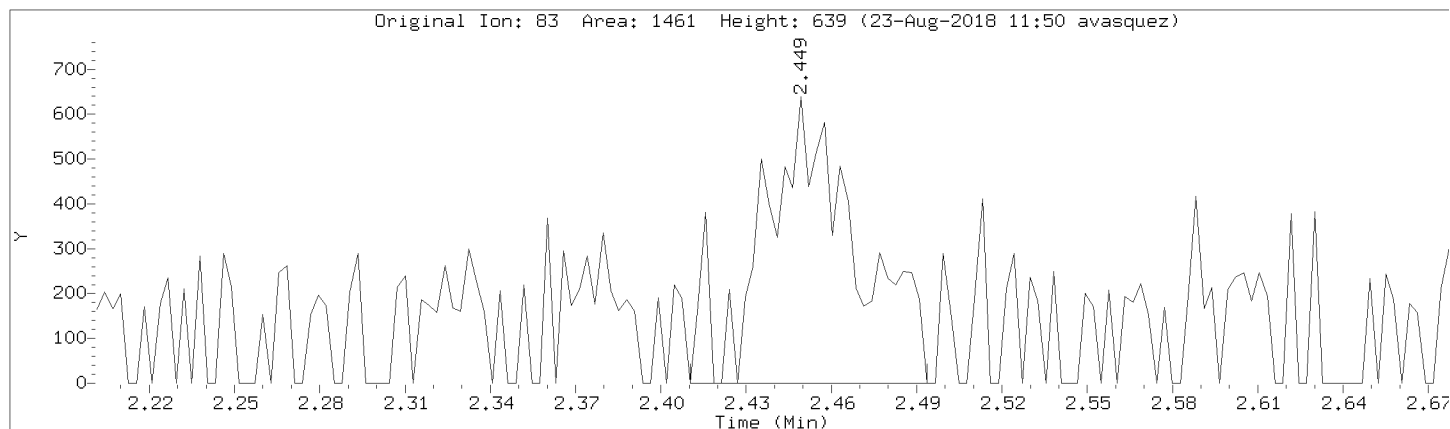
Compound: 1,1-Dichloroethane

Review Code:

CAS Number: 75-34-3



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Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3



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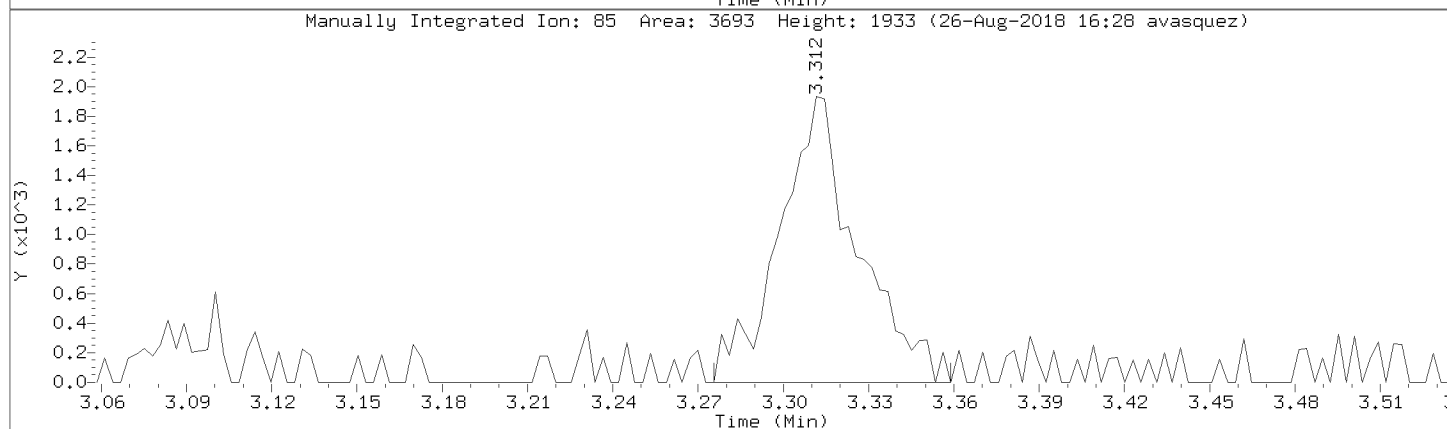
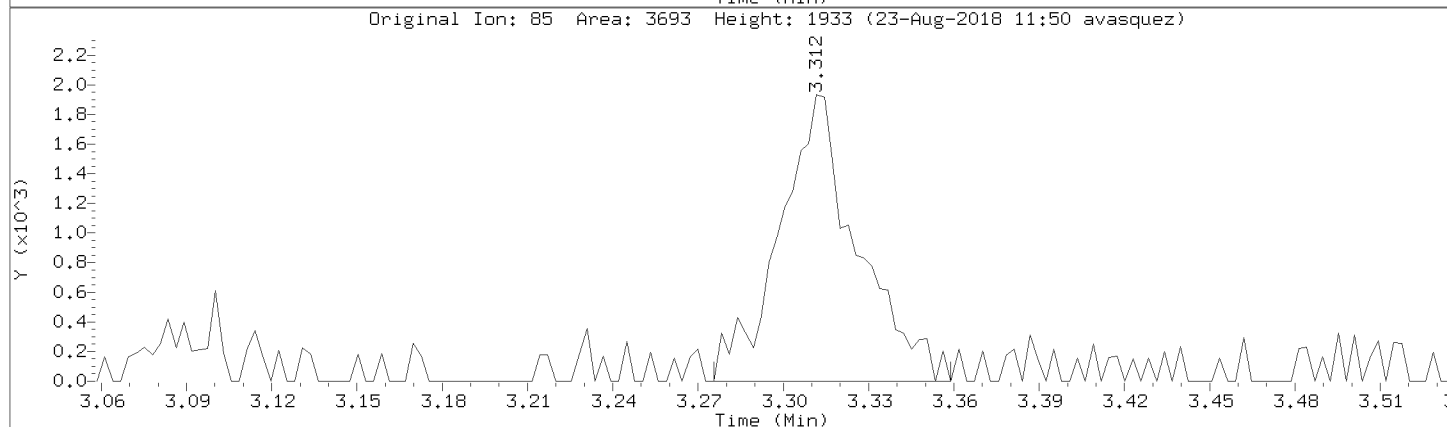
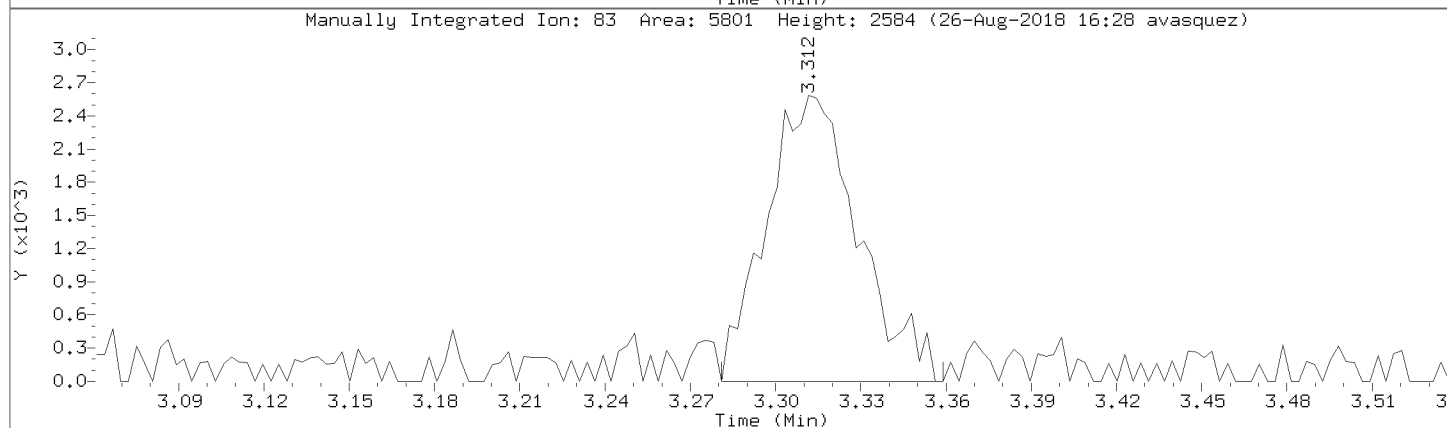
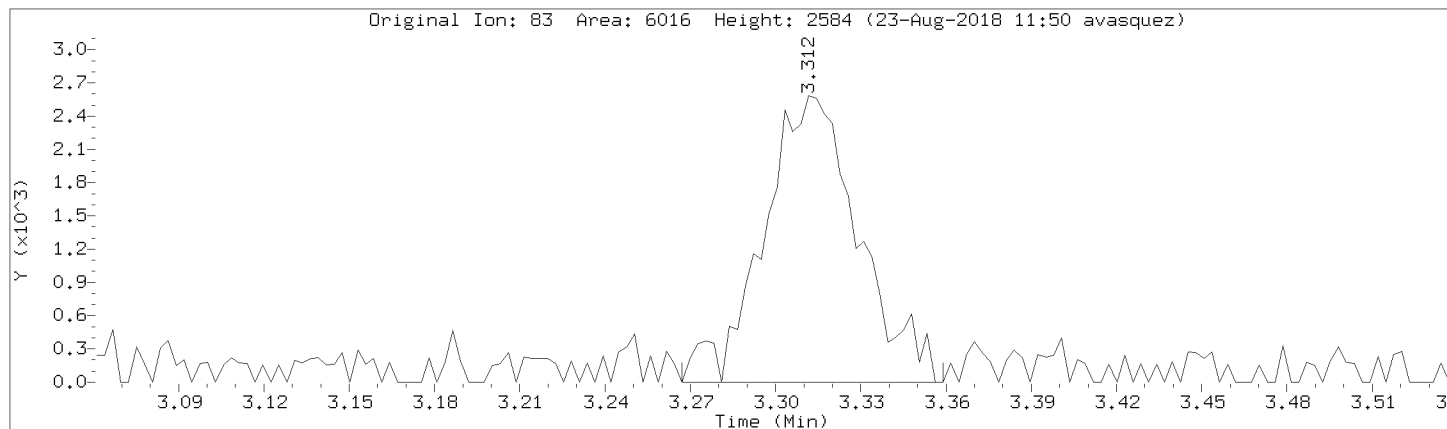
Injection Date: 22-AUG-2018 15:24

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

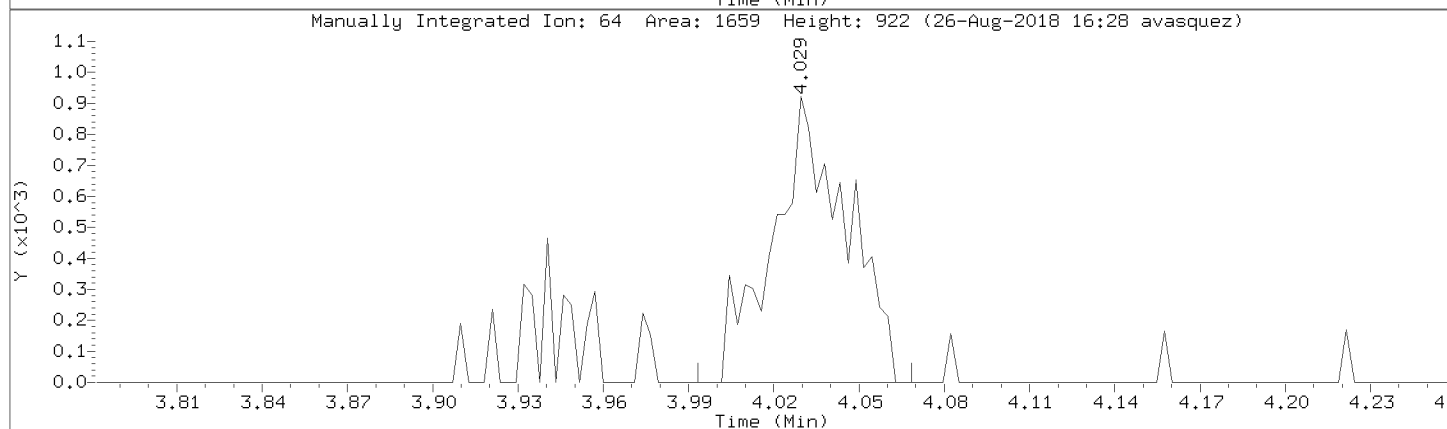
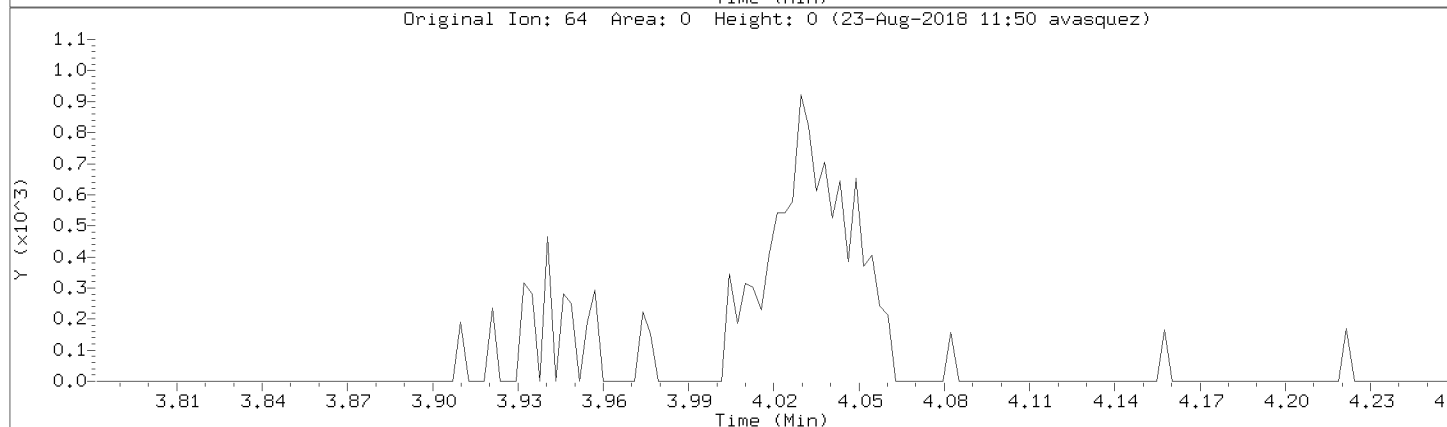
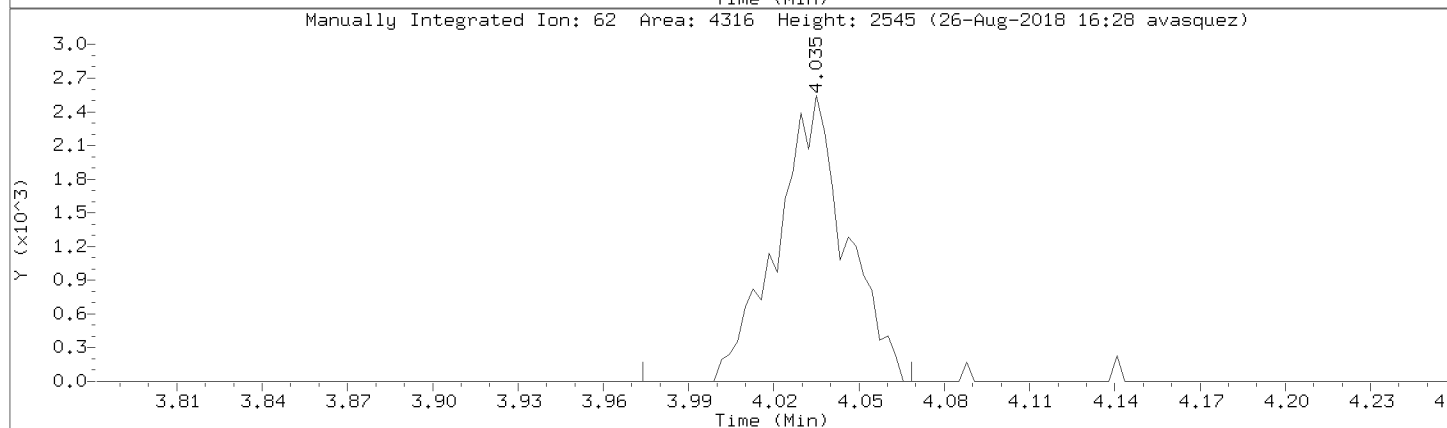
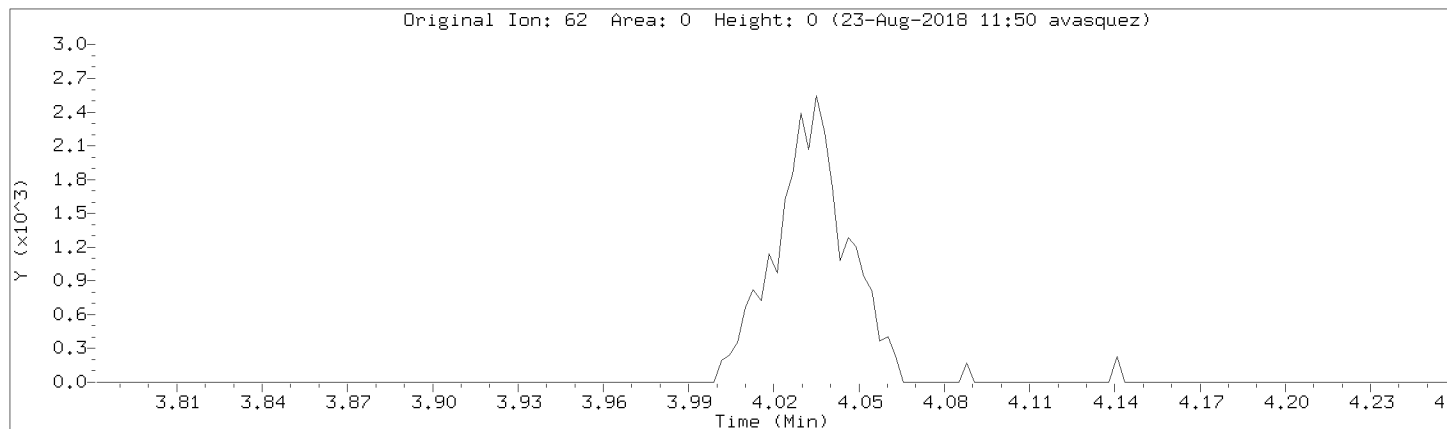
Compound: Chloroform Review Code: GT

CAS Number: 67-66-3

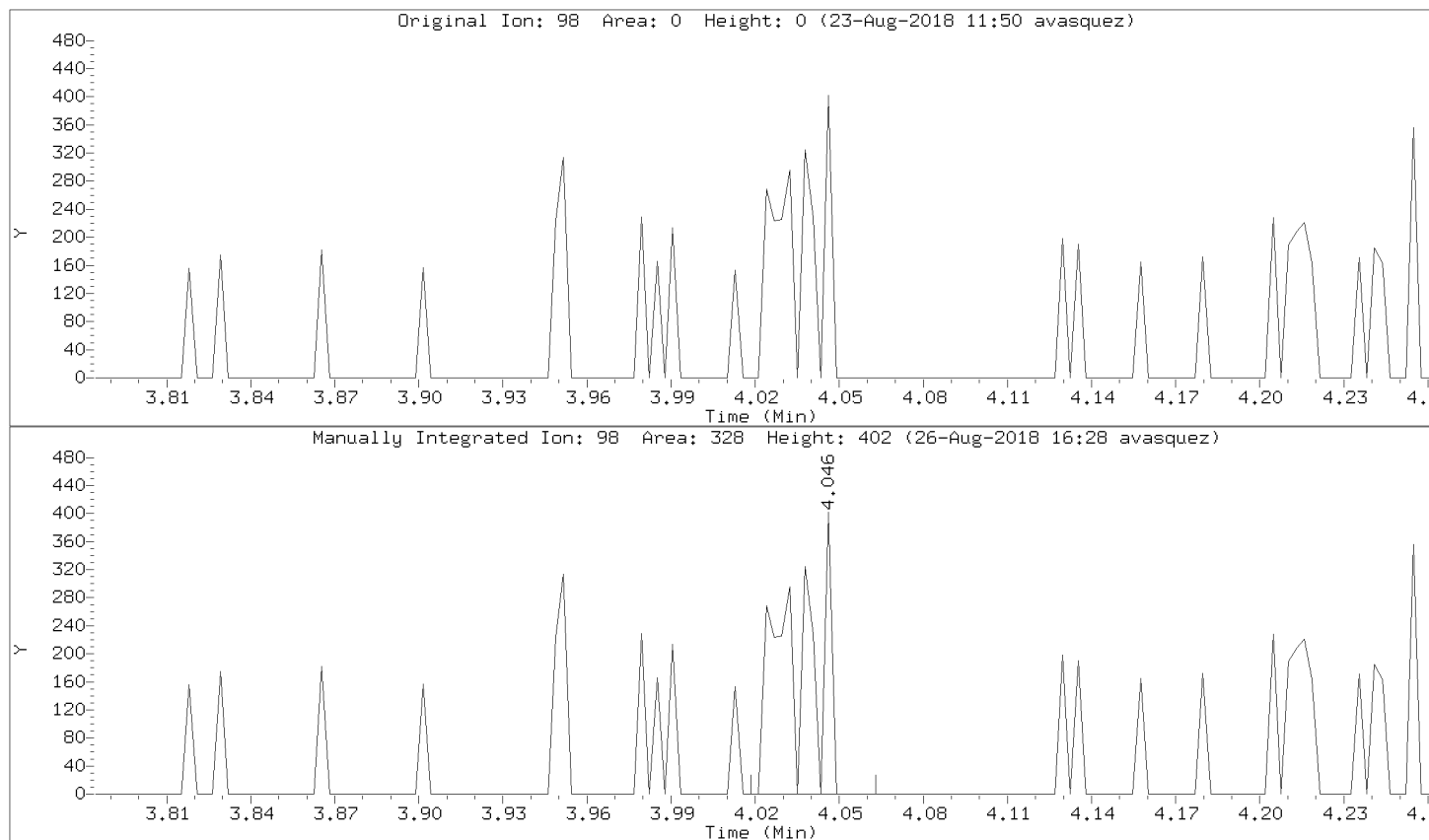


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Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

Compound: 1,2-Dichloroethane Review Code: NI
CAS Number: 107-06-2



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d
Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3



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Injection Date: 22-AUG-2018 15:24

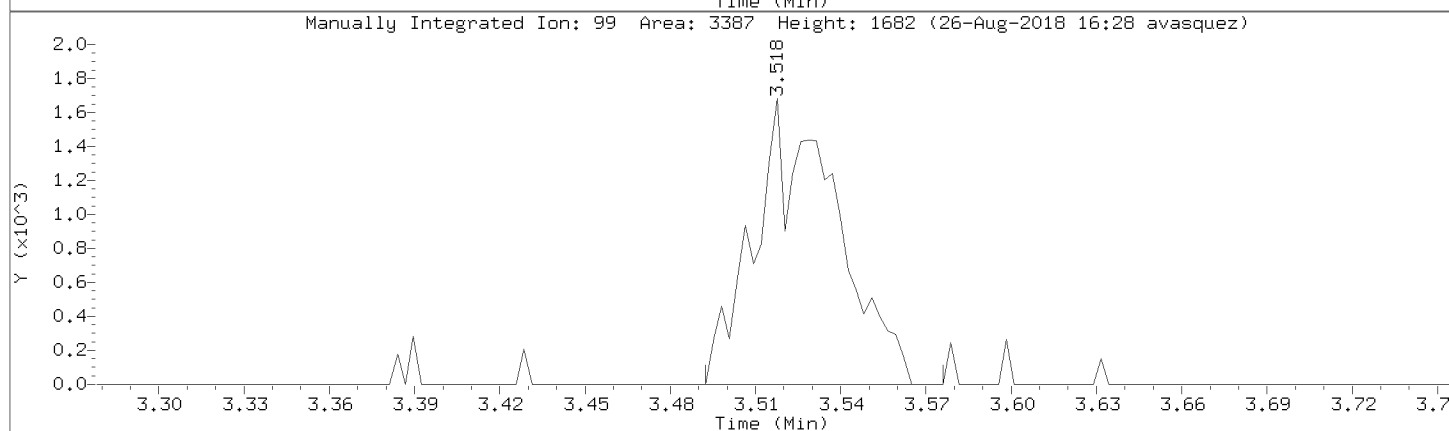
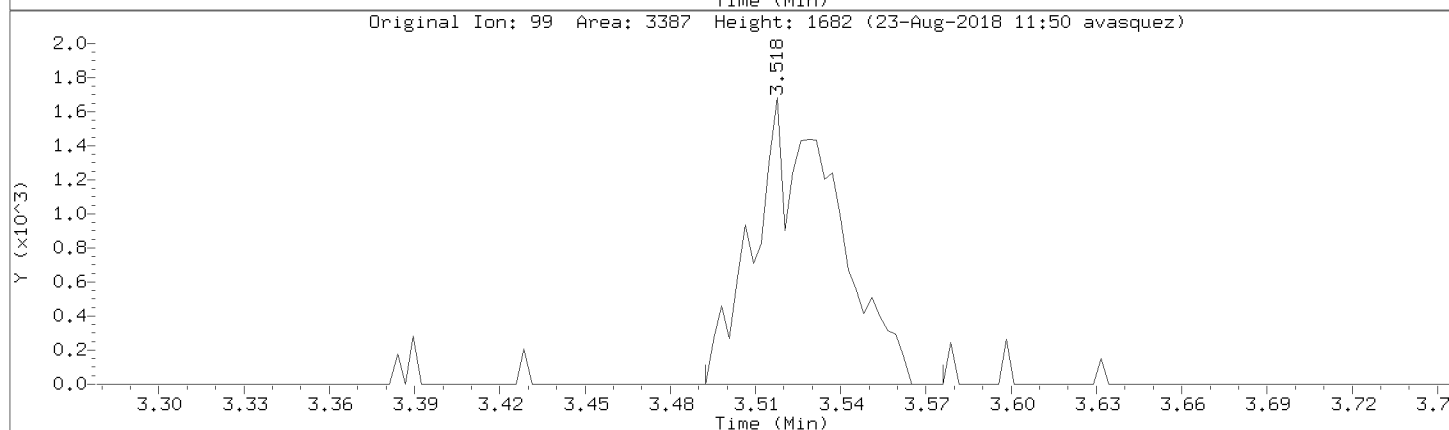
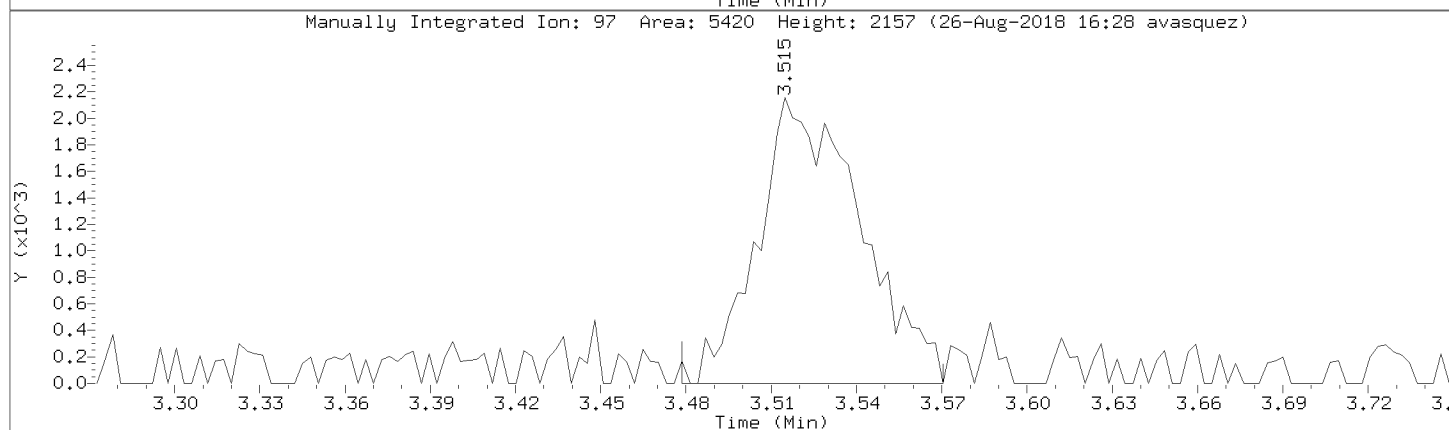
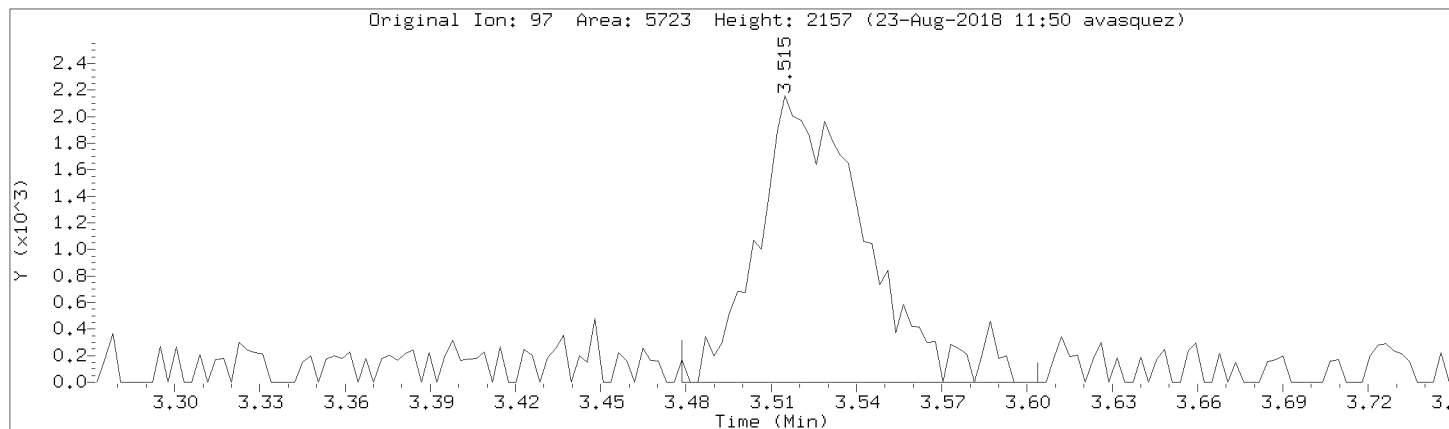
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: 1,1,1-Trichloroethane

Review Code: GT

CAS Number: 71-55-6

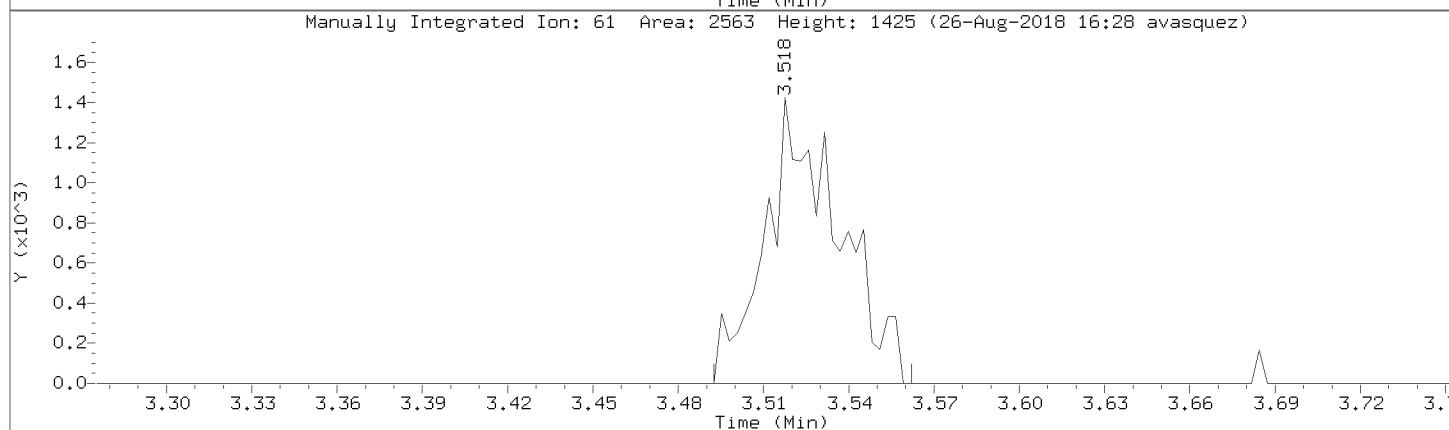
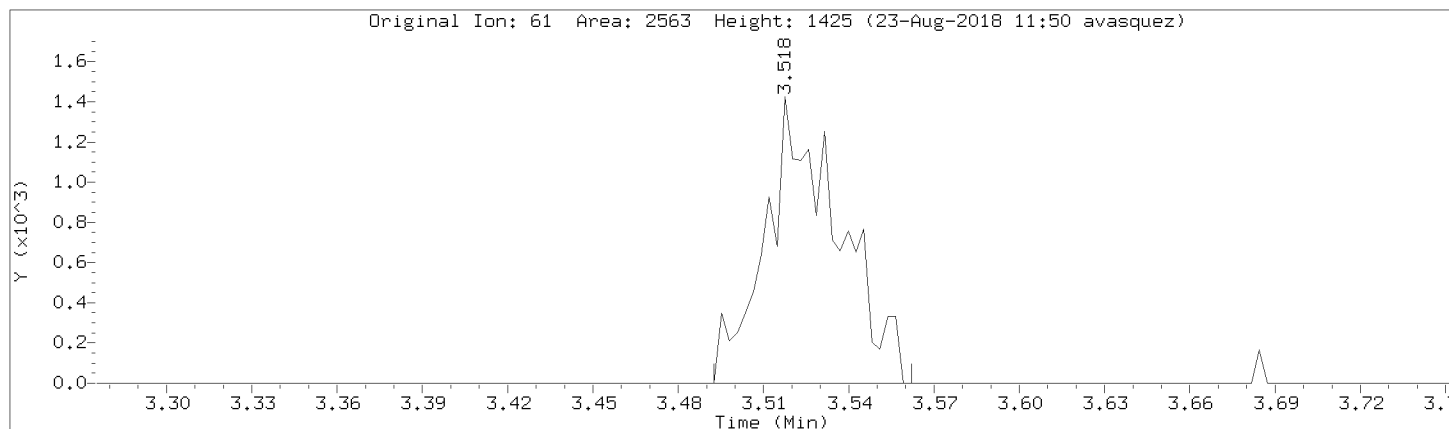


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Injection Date: 22-AUG-2018 15:24

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3



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Injection Date: 22-AUG-2018 15:24

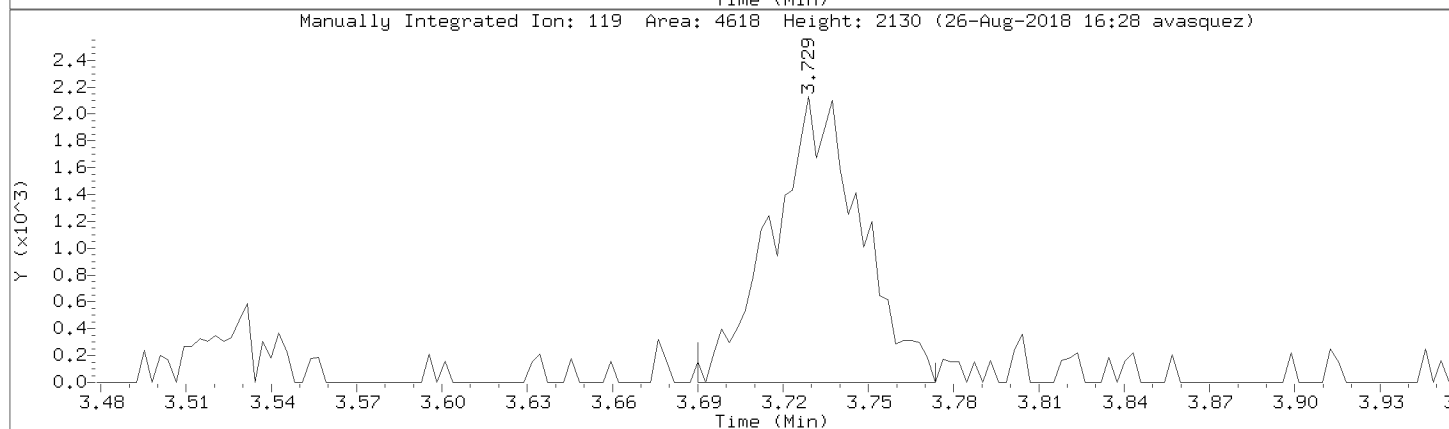
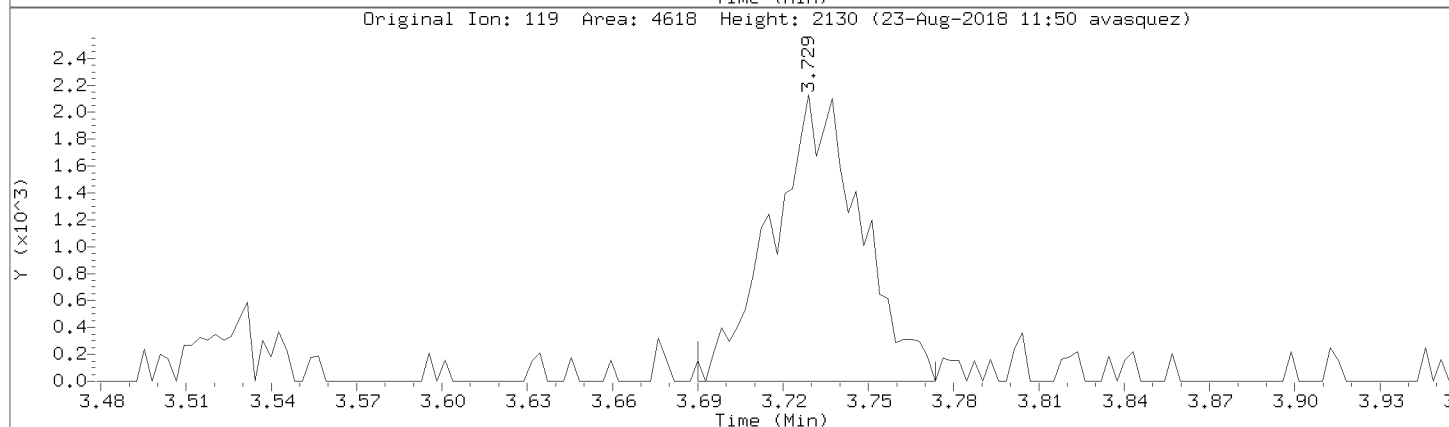
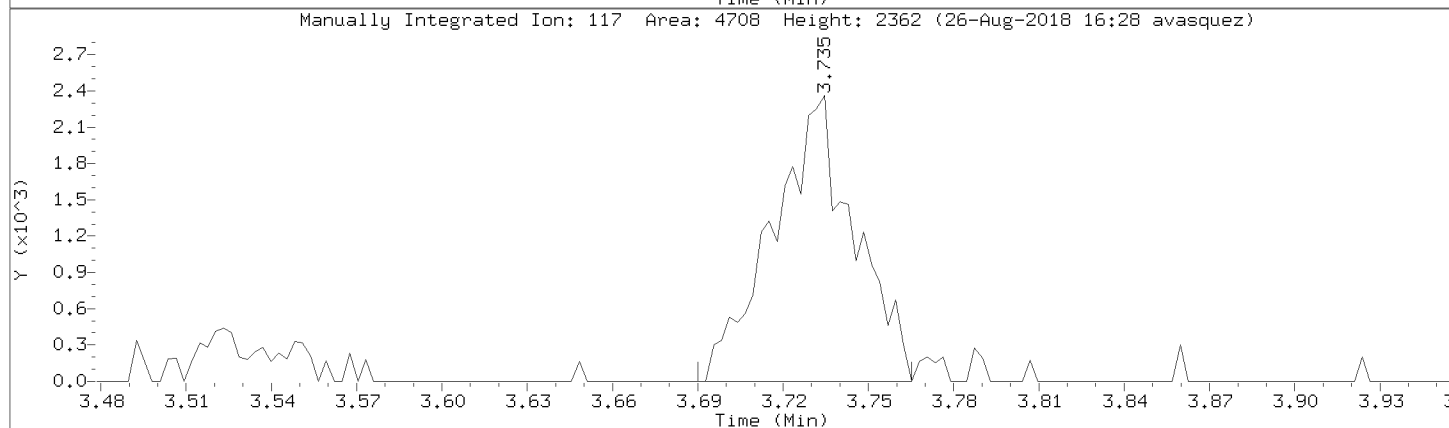
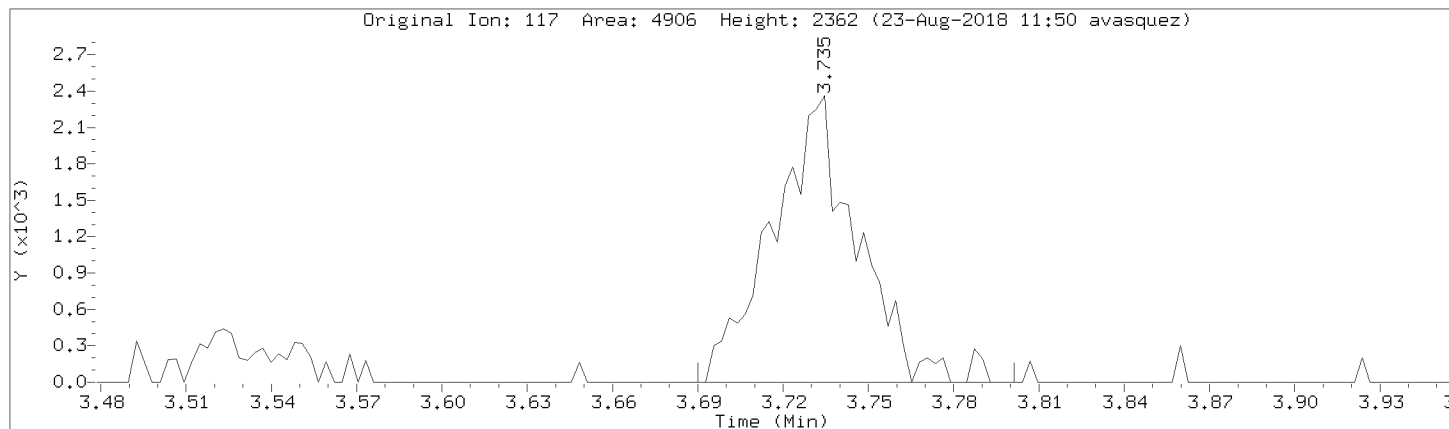
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

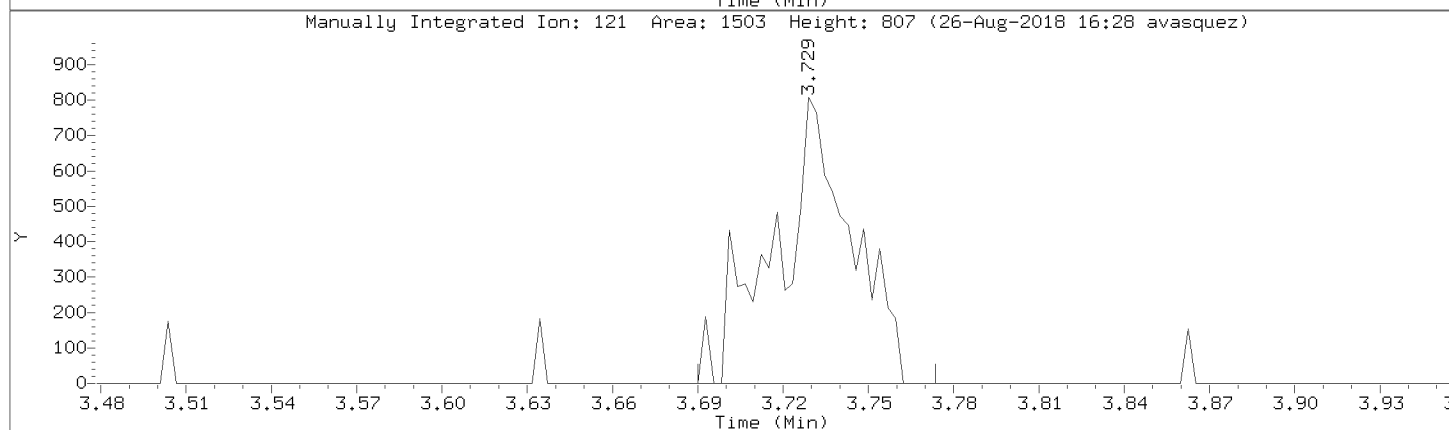
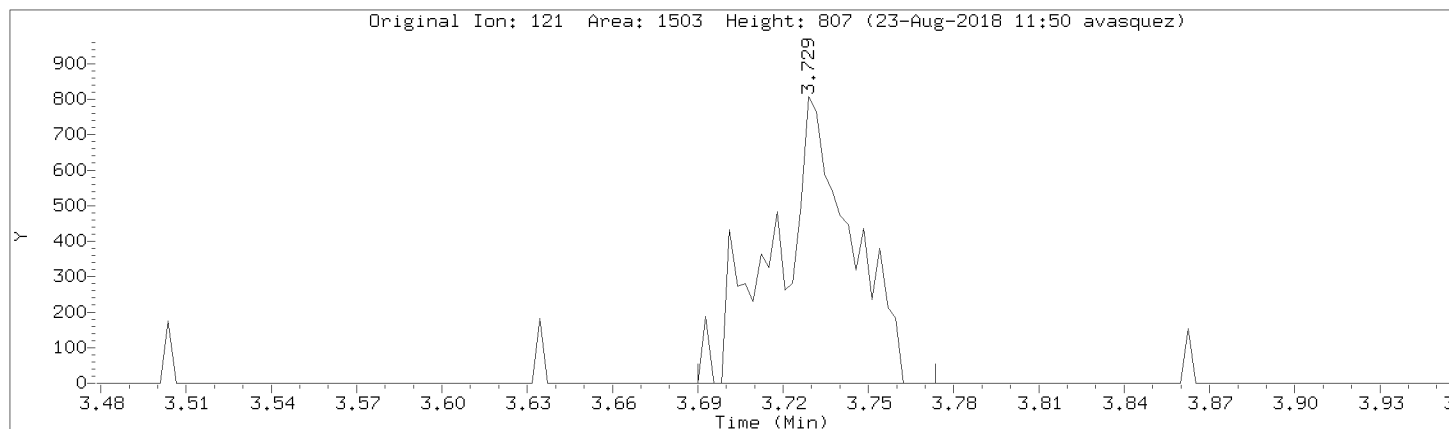
Compound: Carbon Tetrachloride

Review Code: GT

CAS Number: 56-23-5

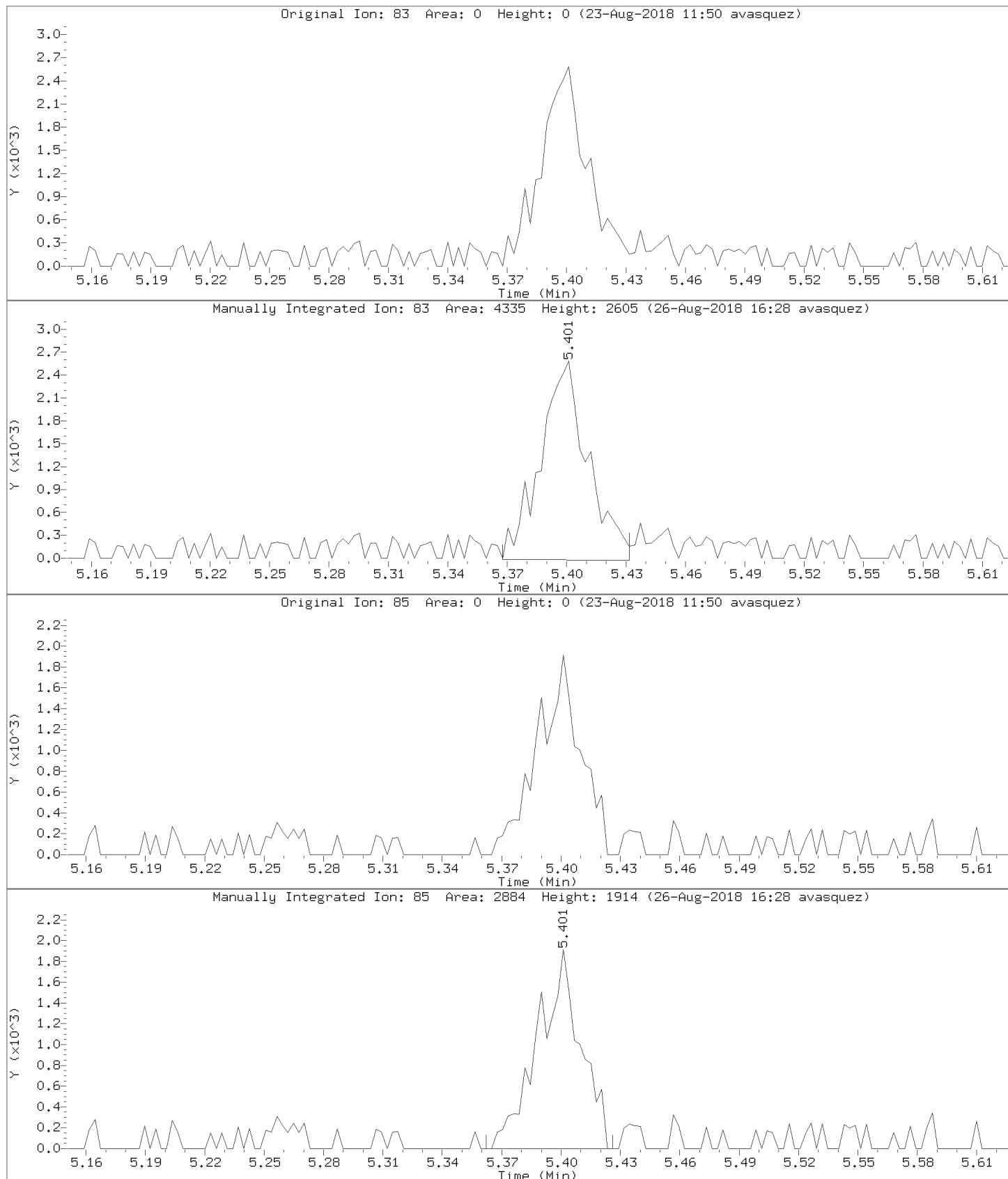


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Injection Date: 22-AUG-2018 15:24
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Lab Sample ID: 8260-CAL3

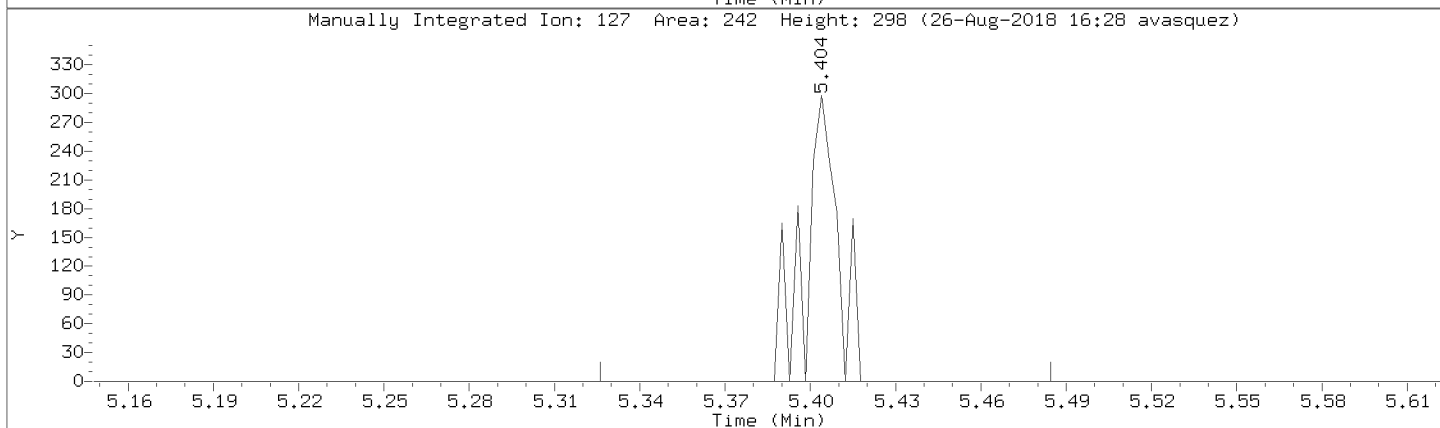
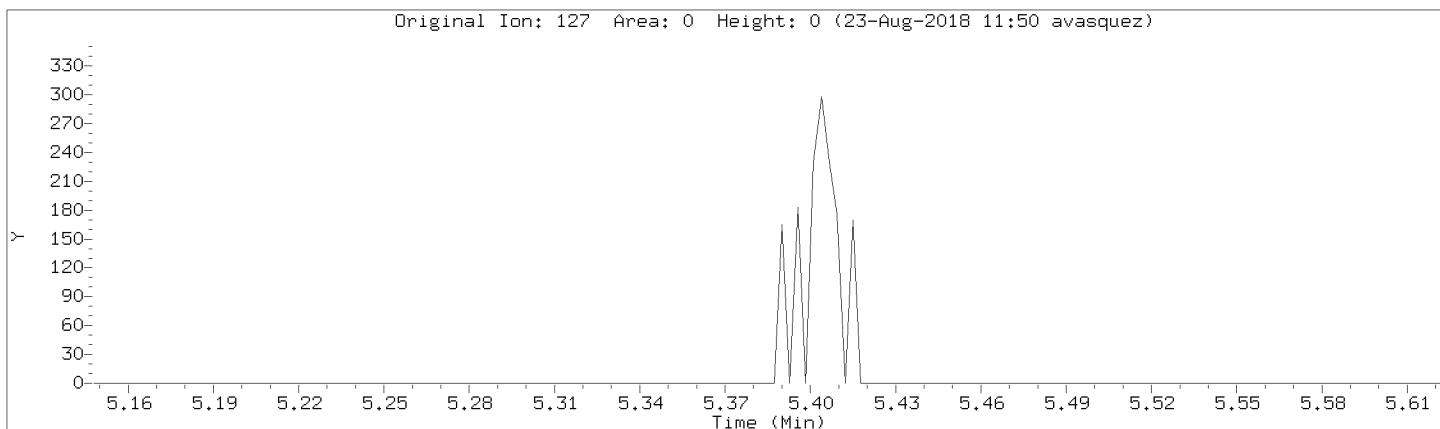


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Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

Compound: Bromodichloromethane Review Code: NI
CAS Number: 75-27-4

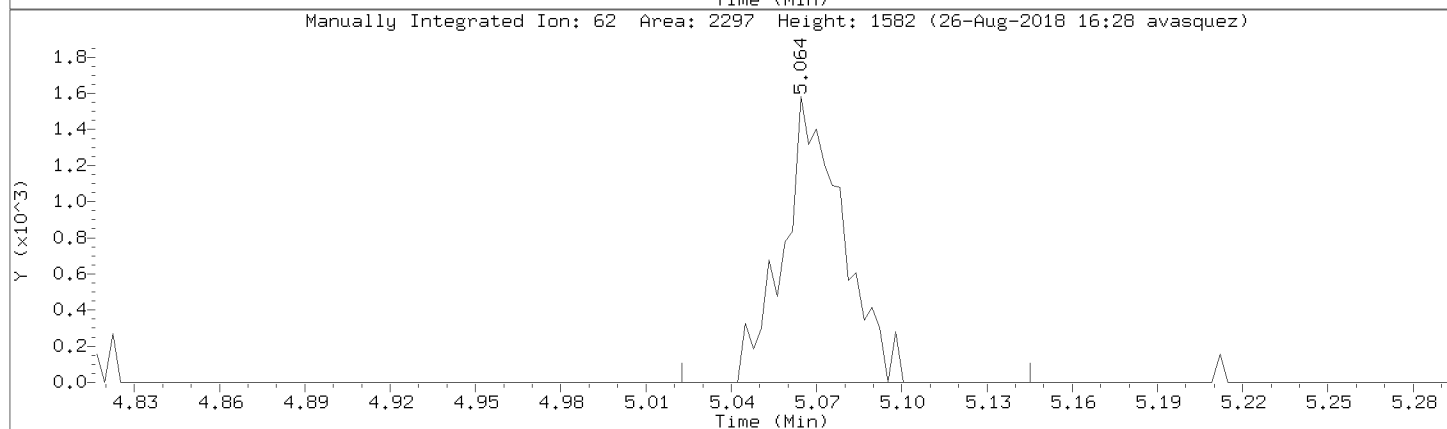
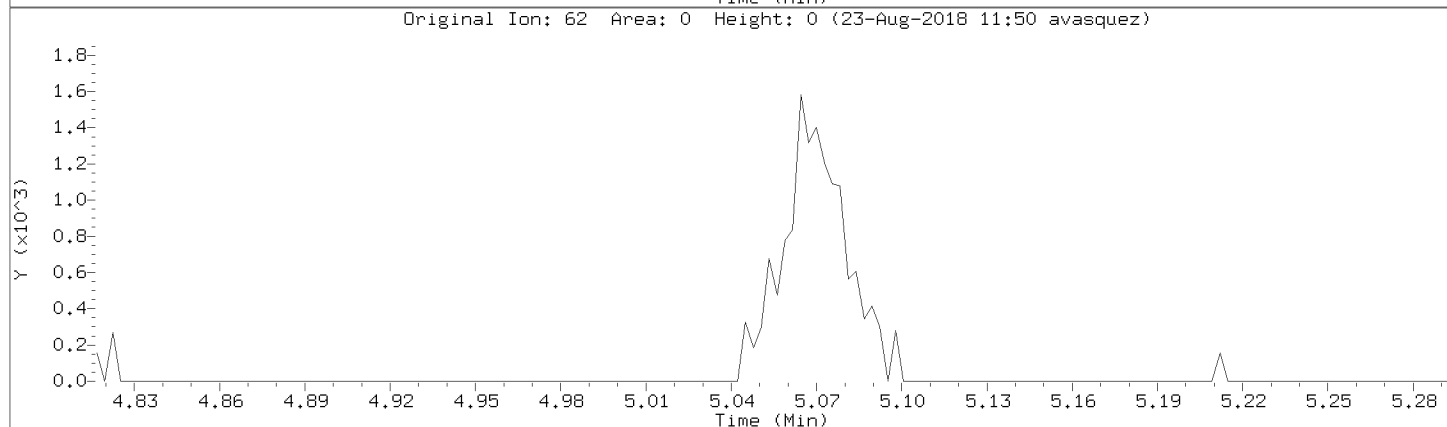
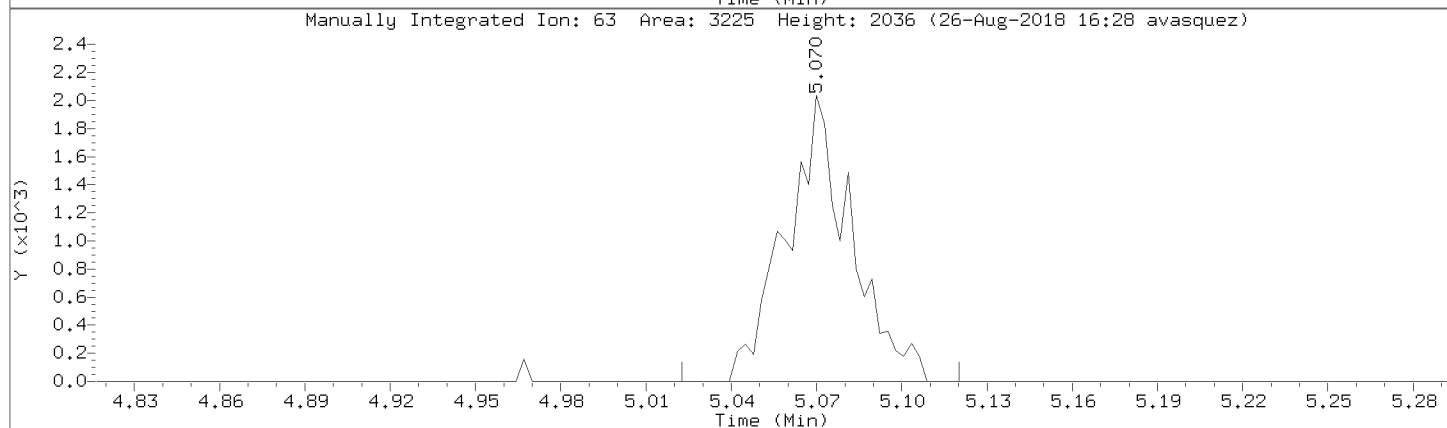
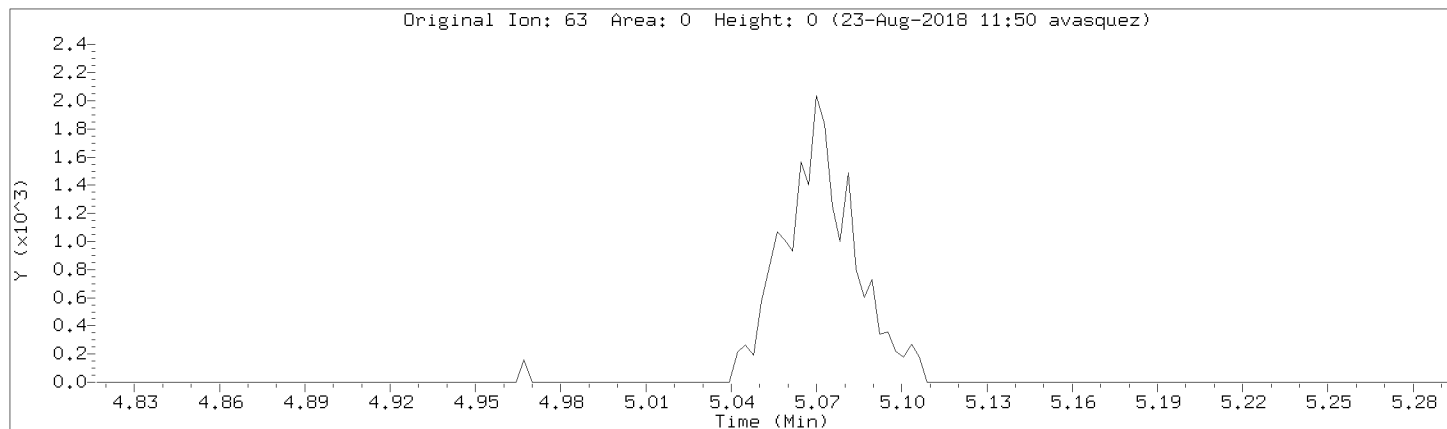


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

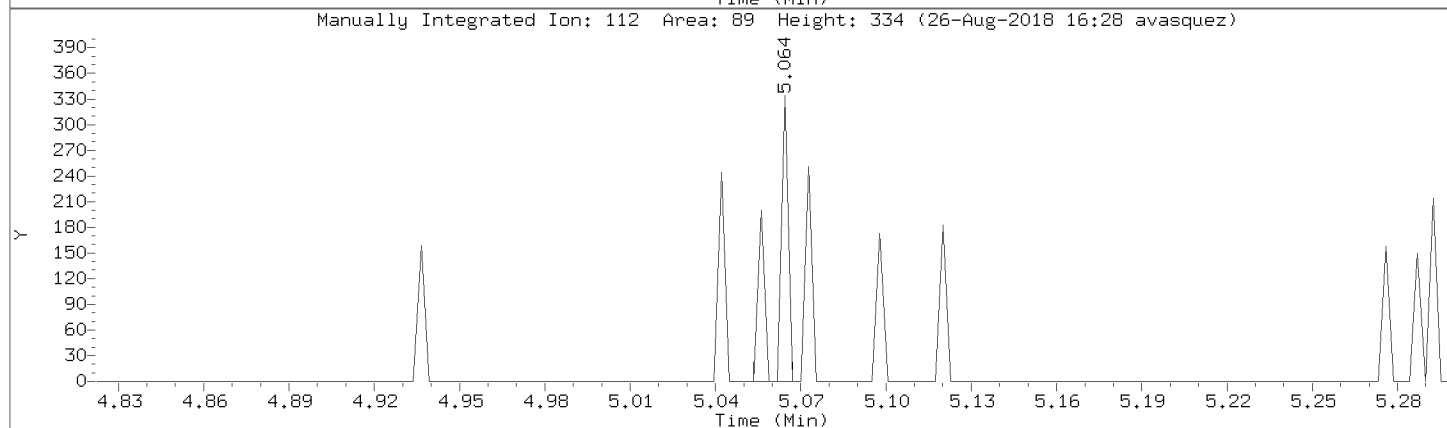
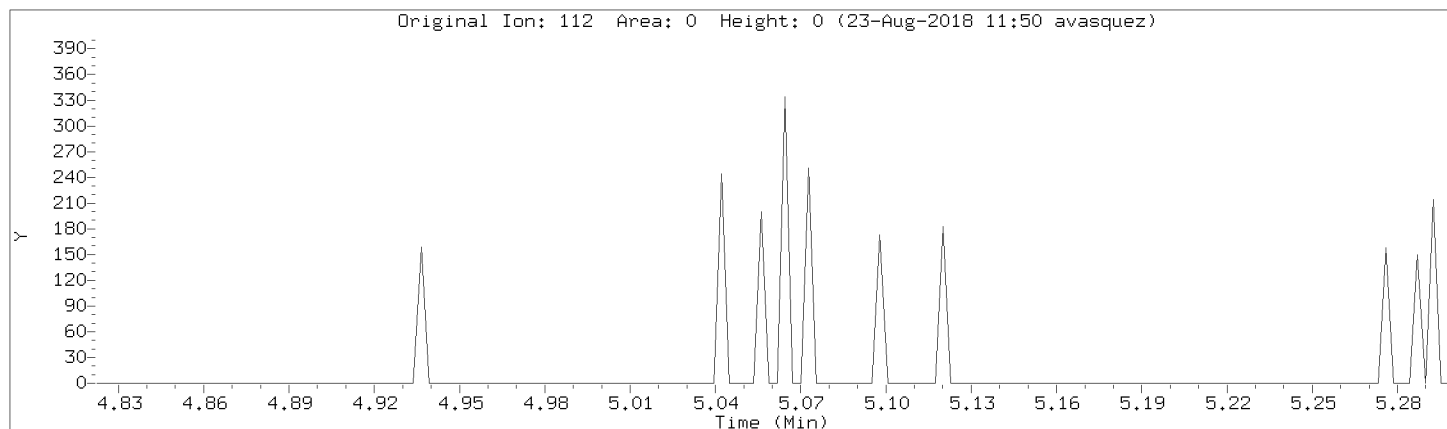


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Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

Compound: 1,2-Dichloropropane Review Code: NI
CAS Number: 78-87-5



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d
Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3



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Injection Date: 22-AUG-2018 15:24

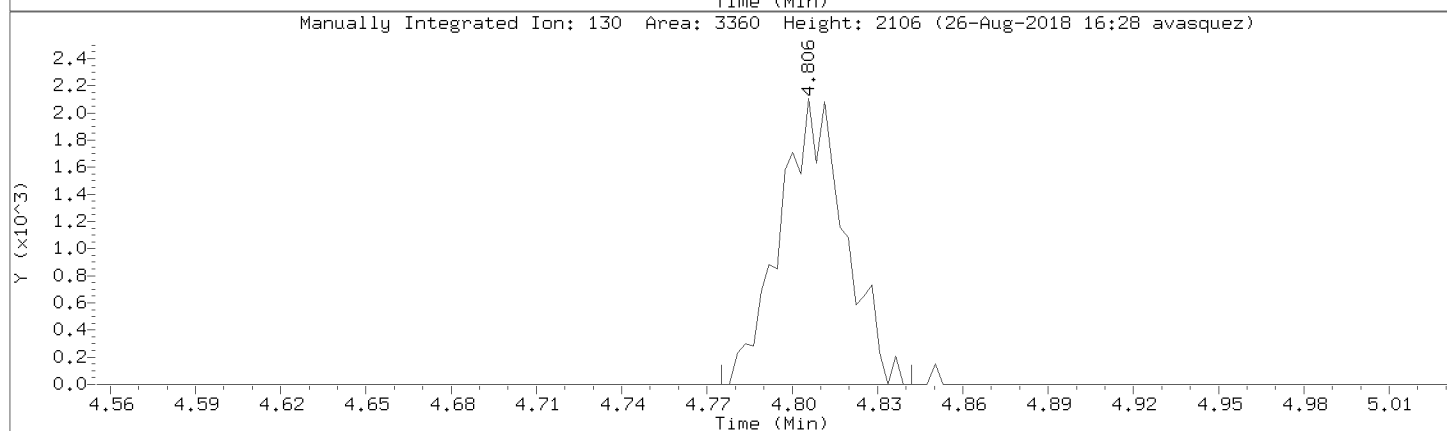
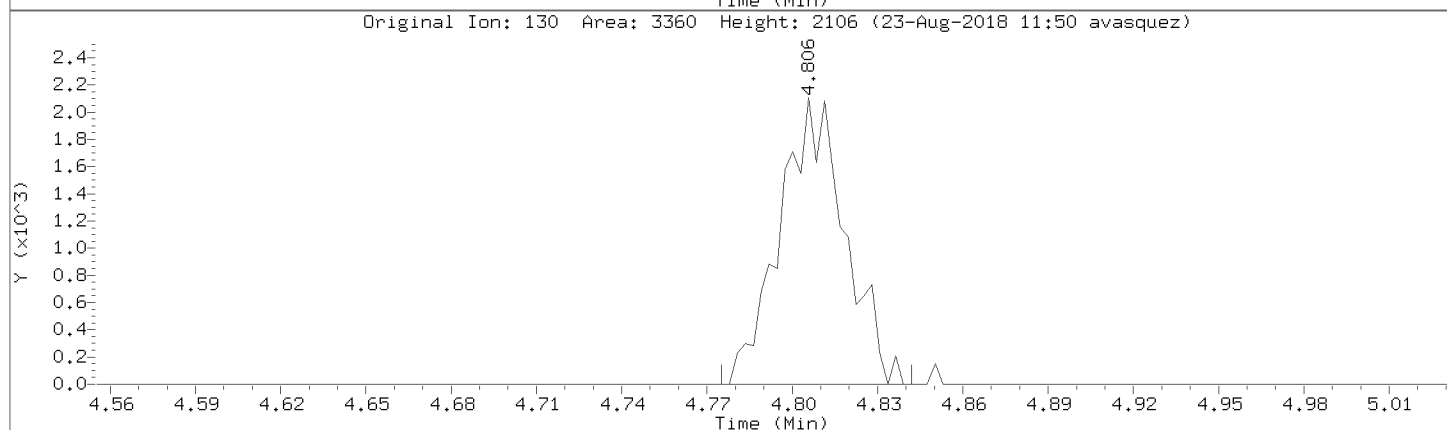
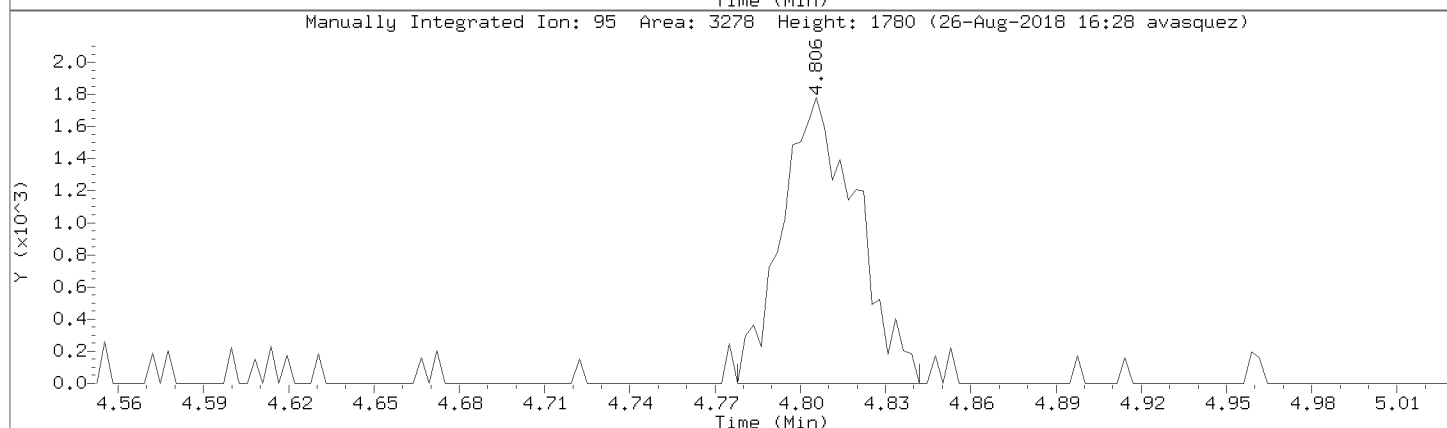
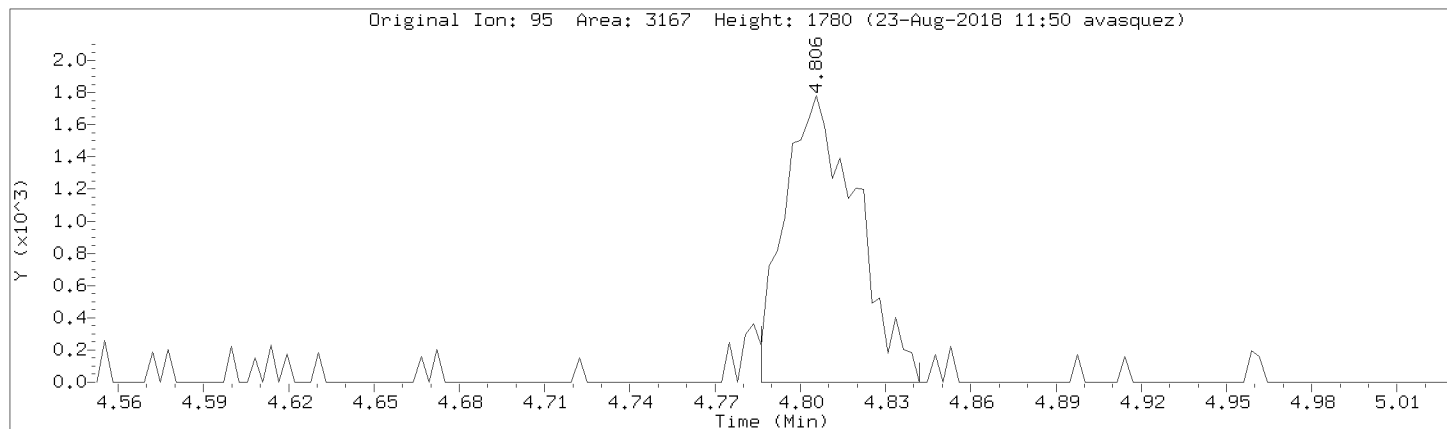
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: Trichloroethene

Review Code: LT

CAS Number: 79-01-6

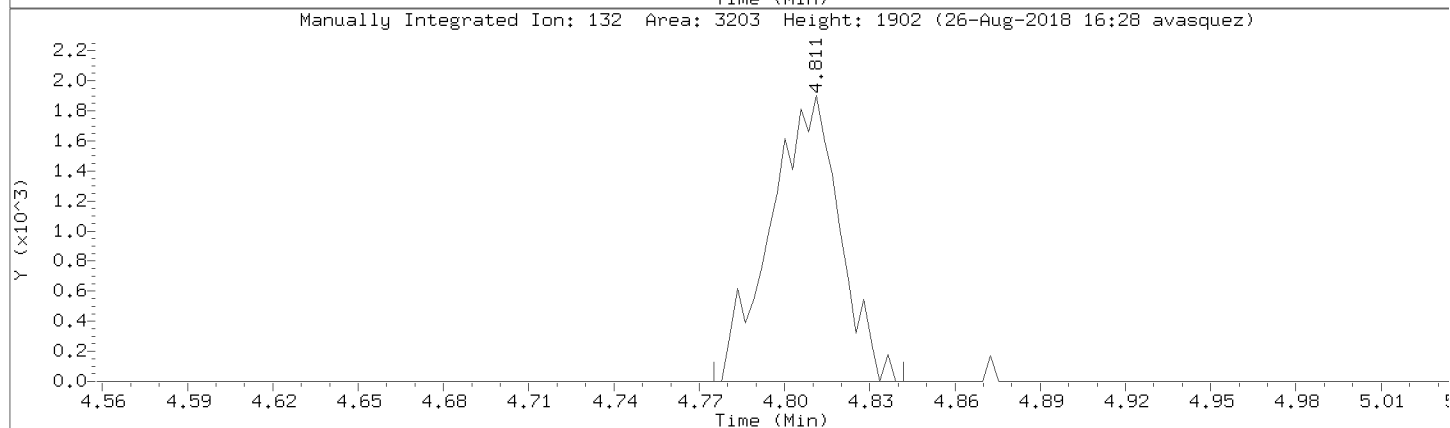
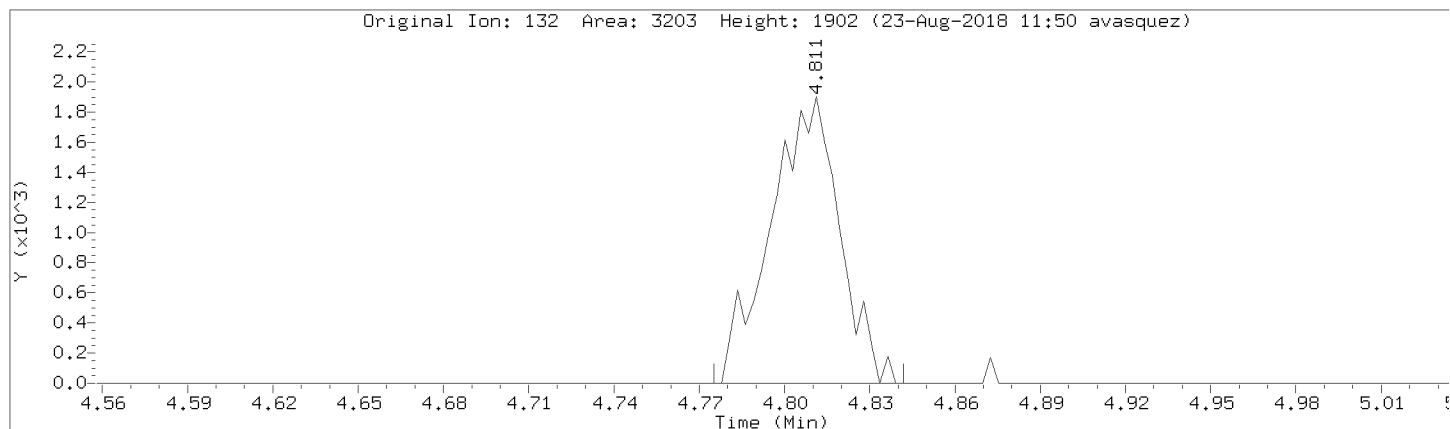


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Injection Date: 22-AUG-2018 15:24

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3



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Injection Date: 22-AUG-2018 15:24

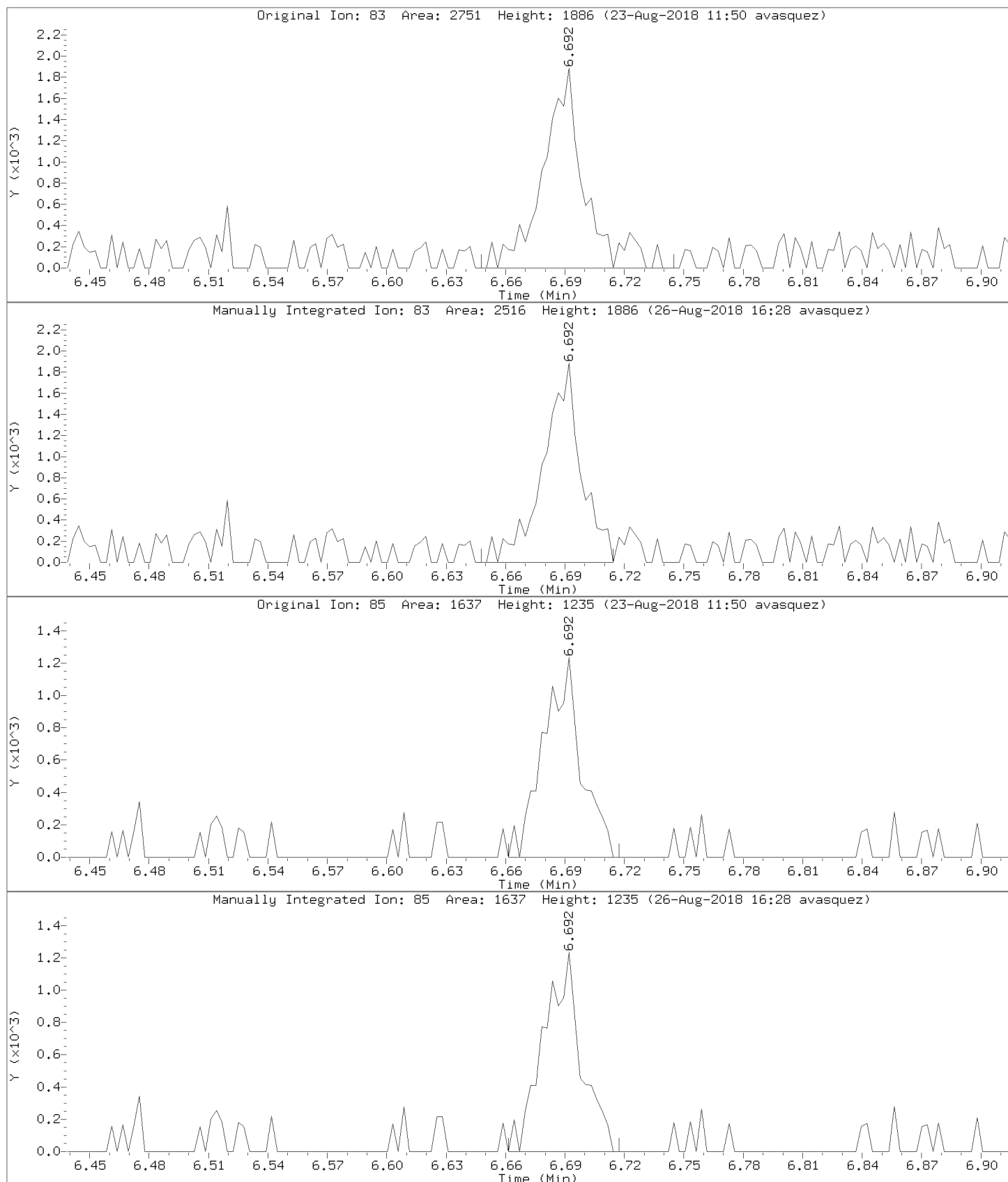
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Lab Sample ID: 8260-CAL3

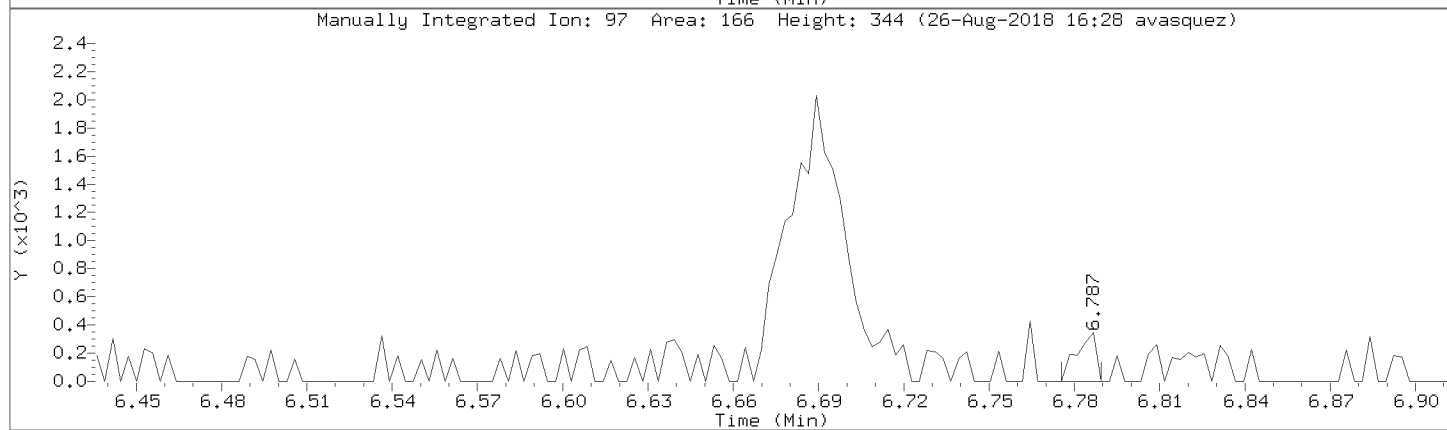
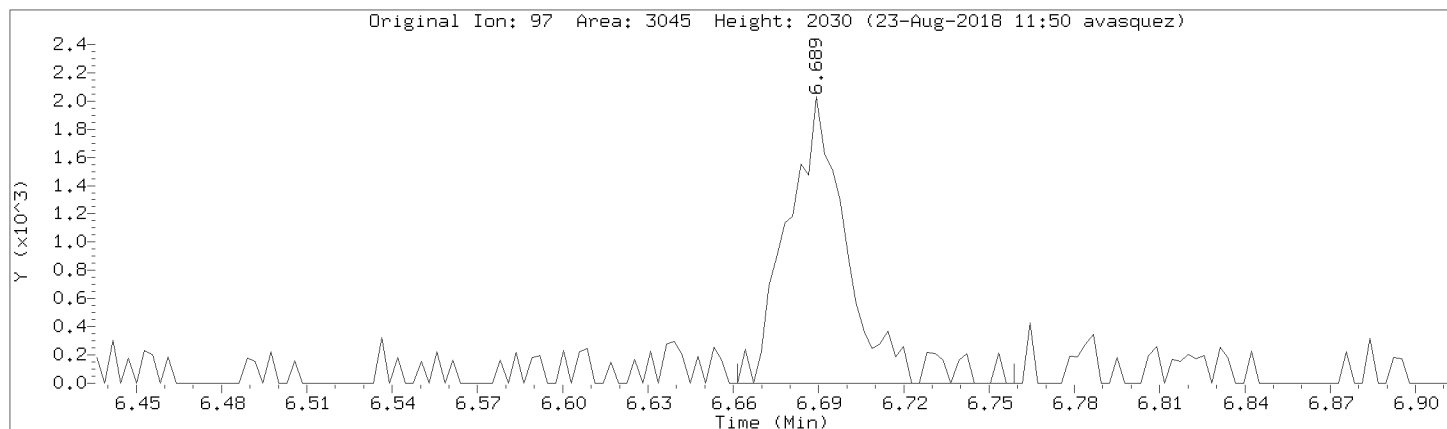
Compound: 1,1,2-Trichloroethane

Review Code: NI

CAS Number: 79-00-5

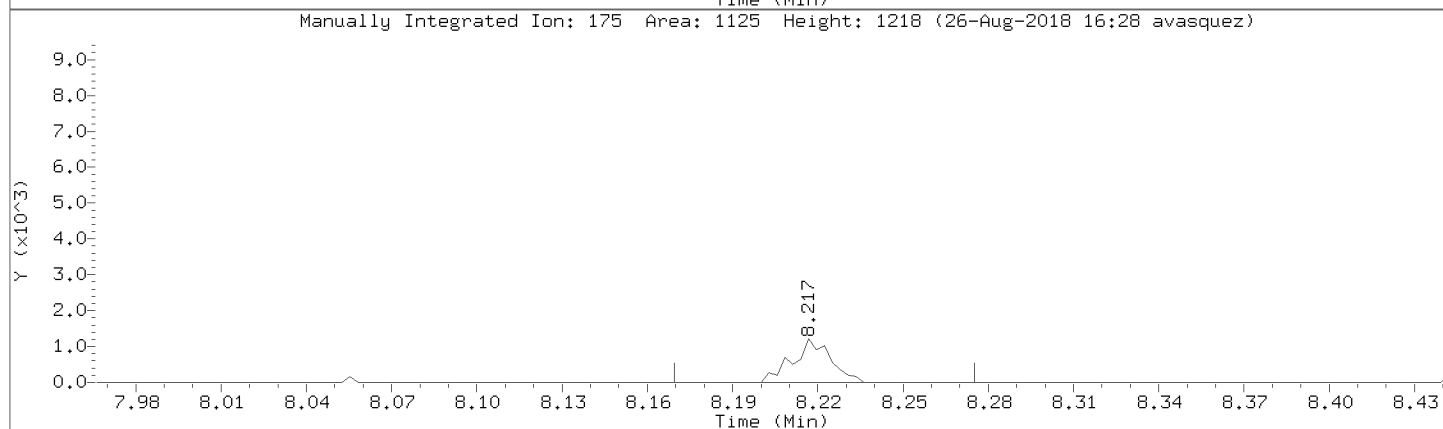
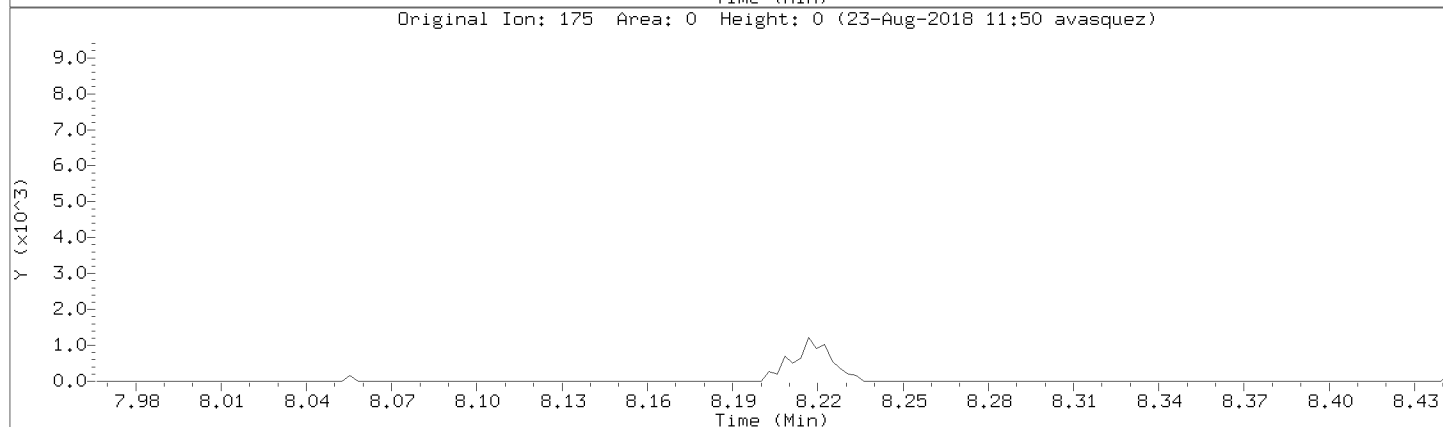
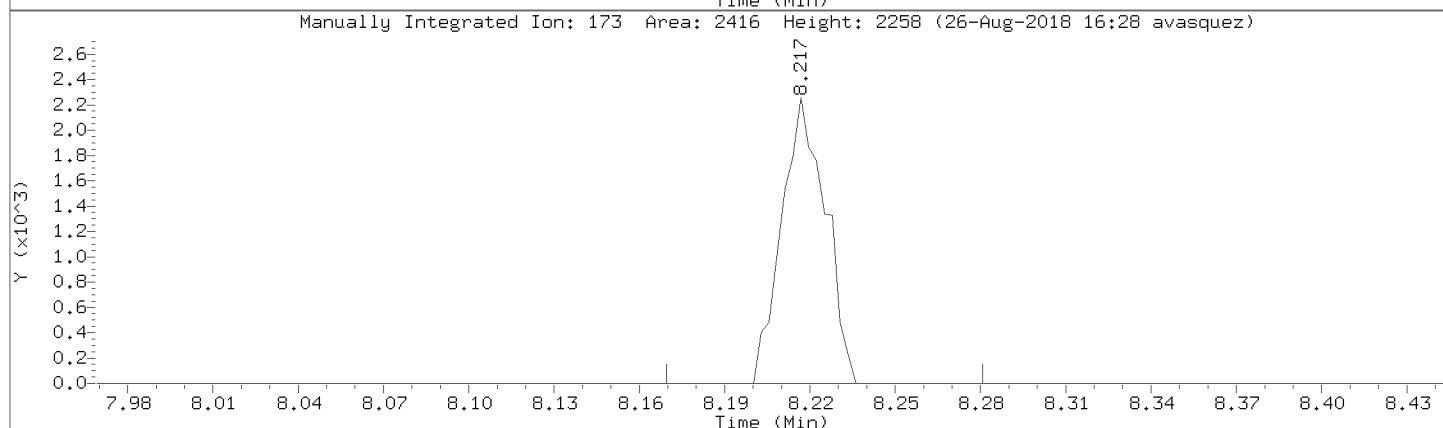
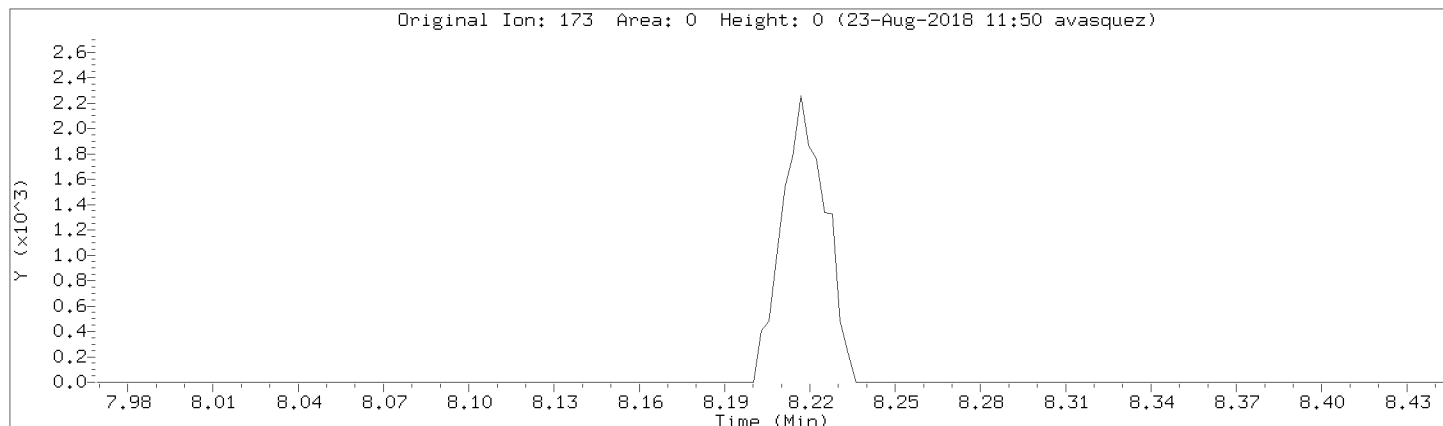


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d
Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

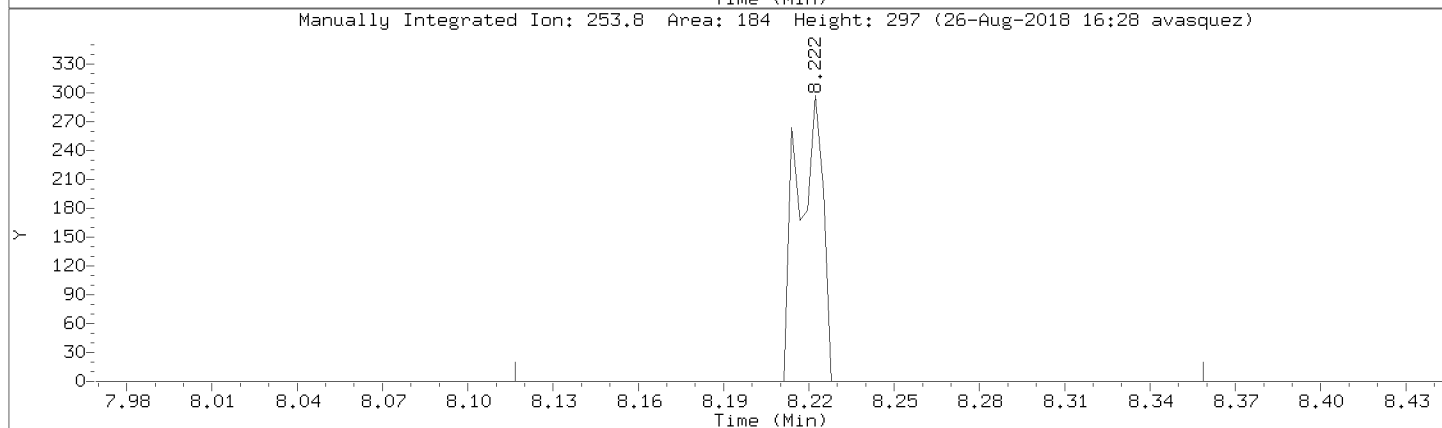
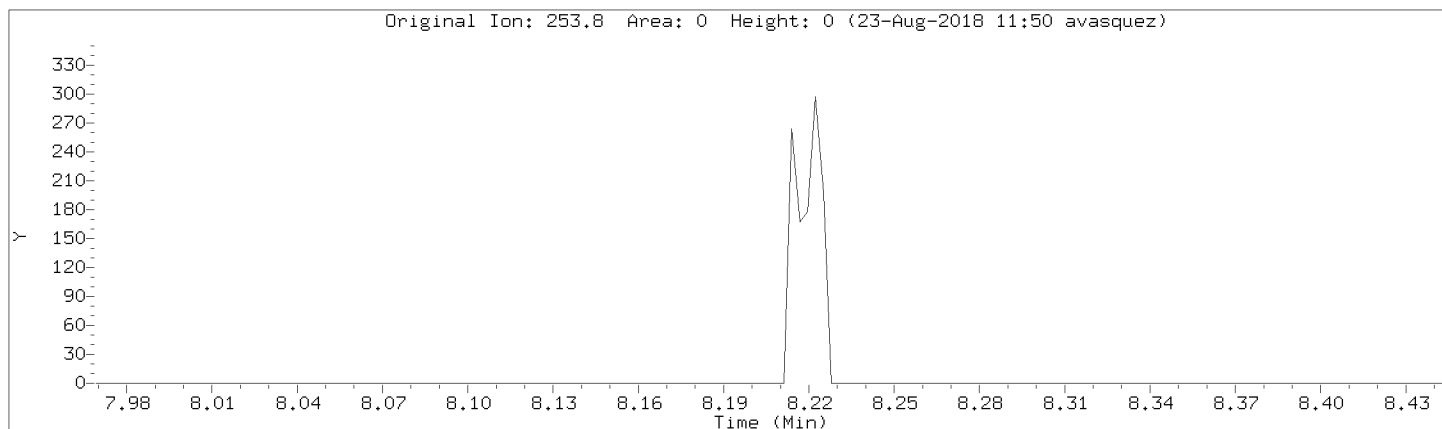


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Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

Compound: Bromoform Review Code: NI
CAS Number: 75-25-2



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d
Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3



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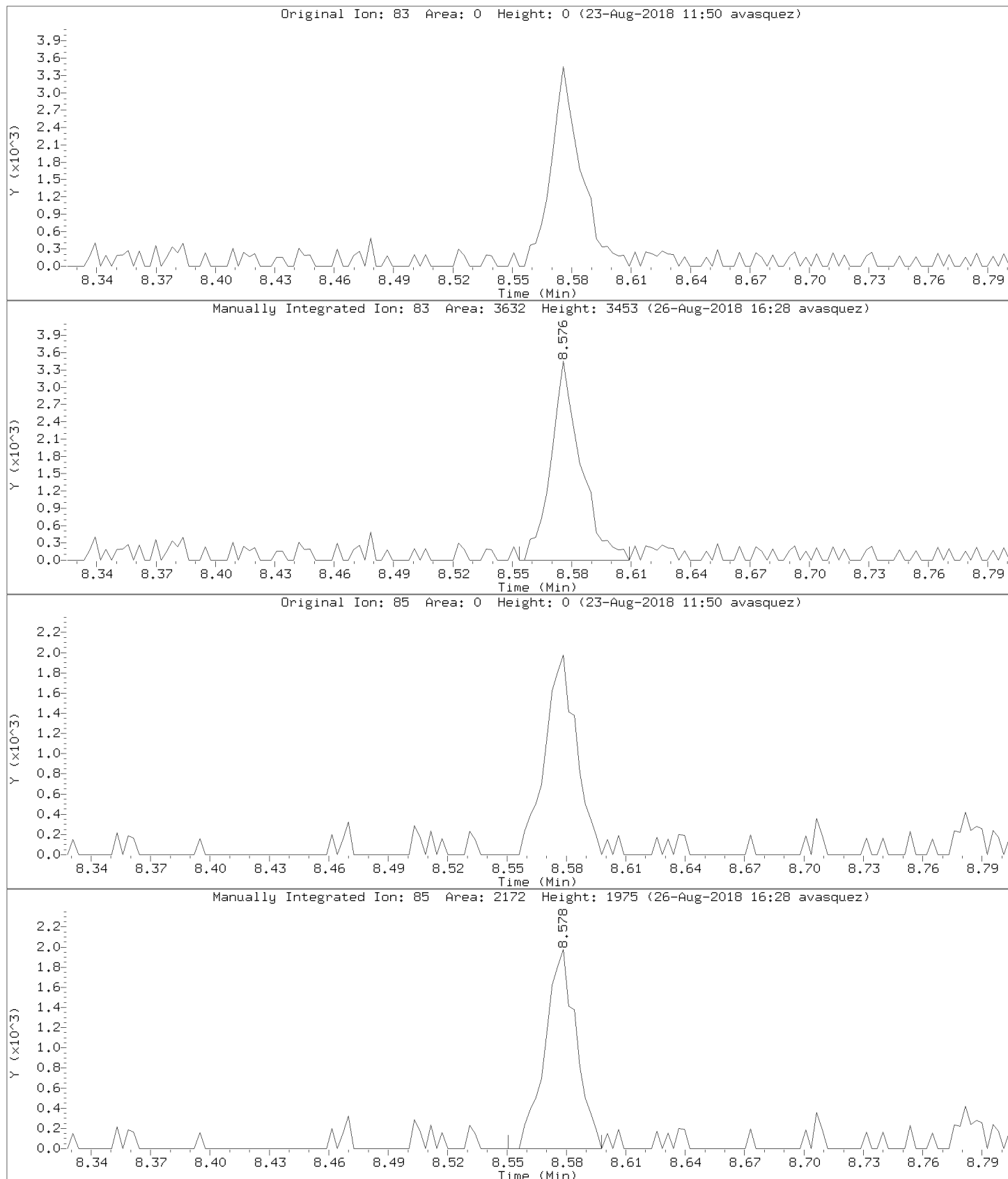
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

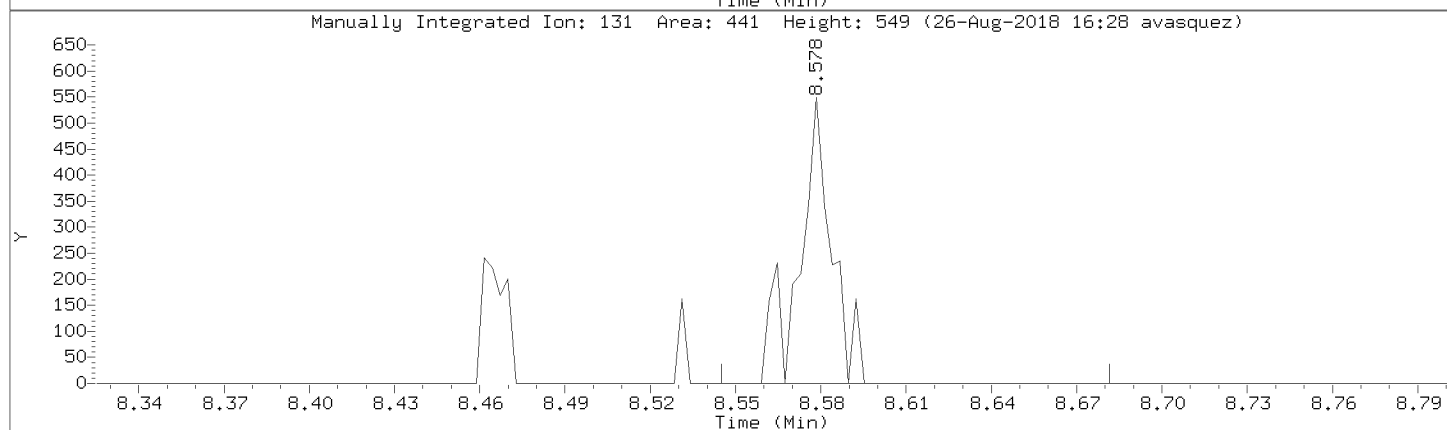
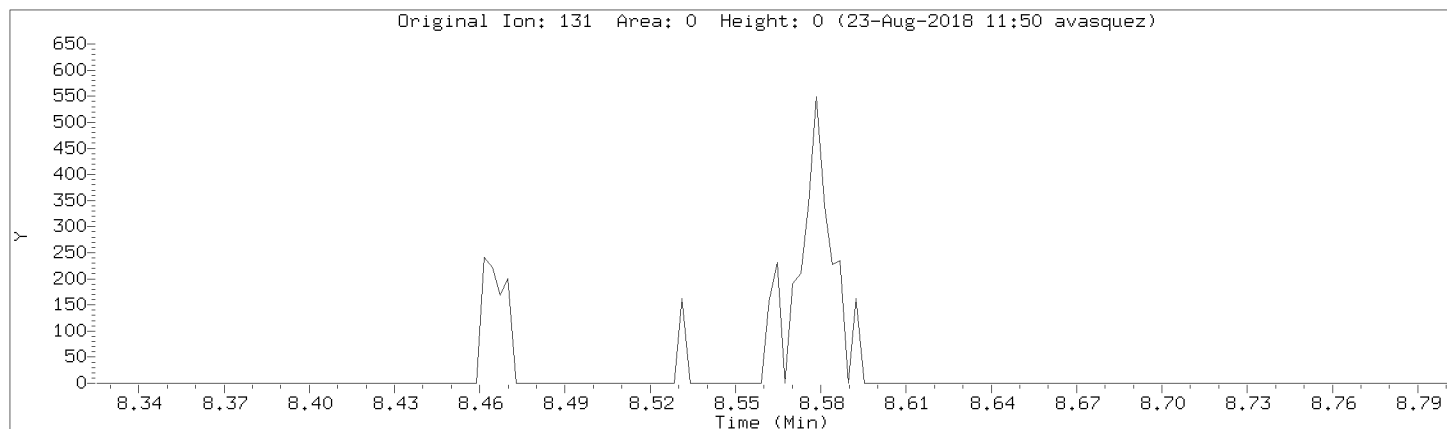
Compound: 1,1,2,2-Tetrachloroethane

Review Code: NI

CAS Number: 79-34-5



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d
Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3



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Injection Date: 22-AUG-2018 15:24

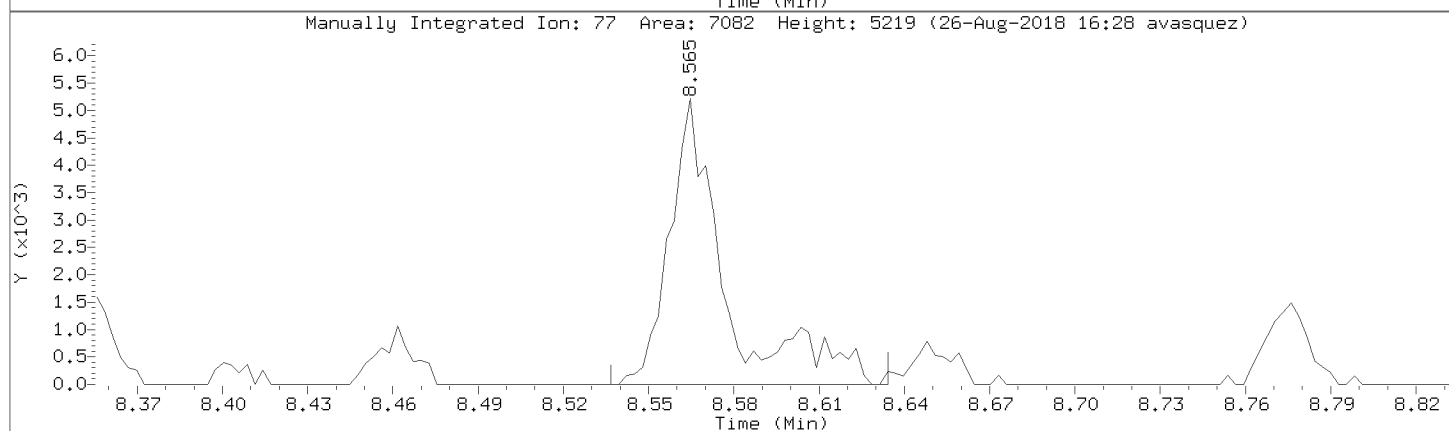
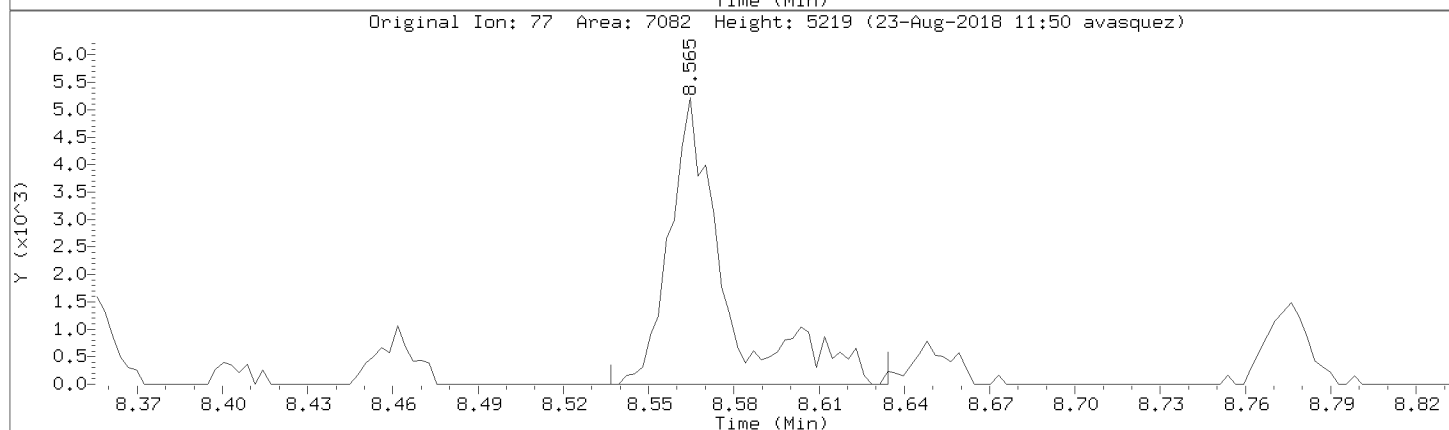
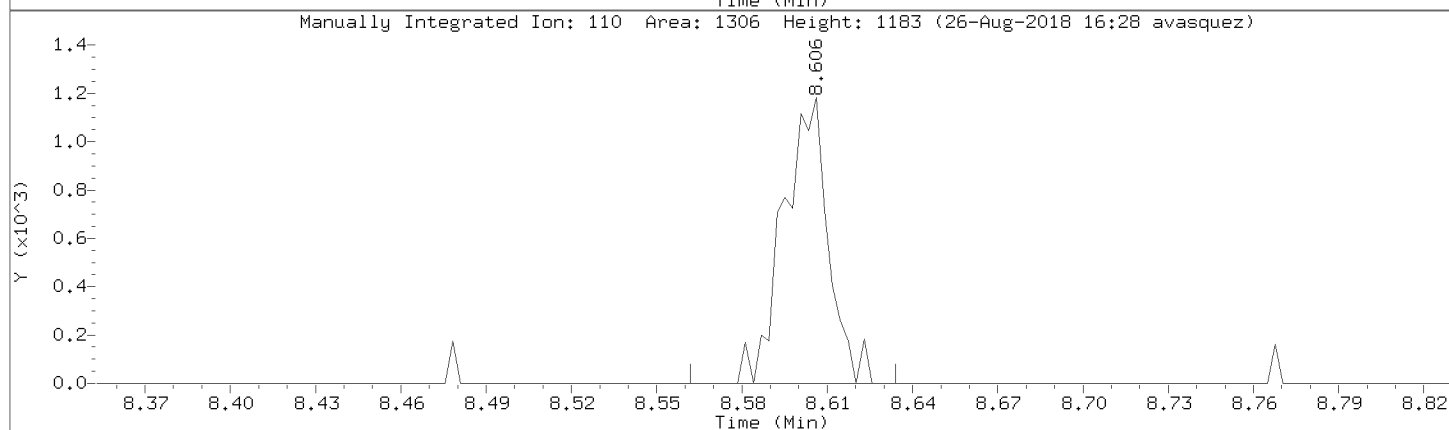
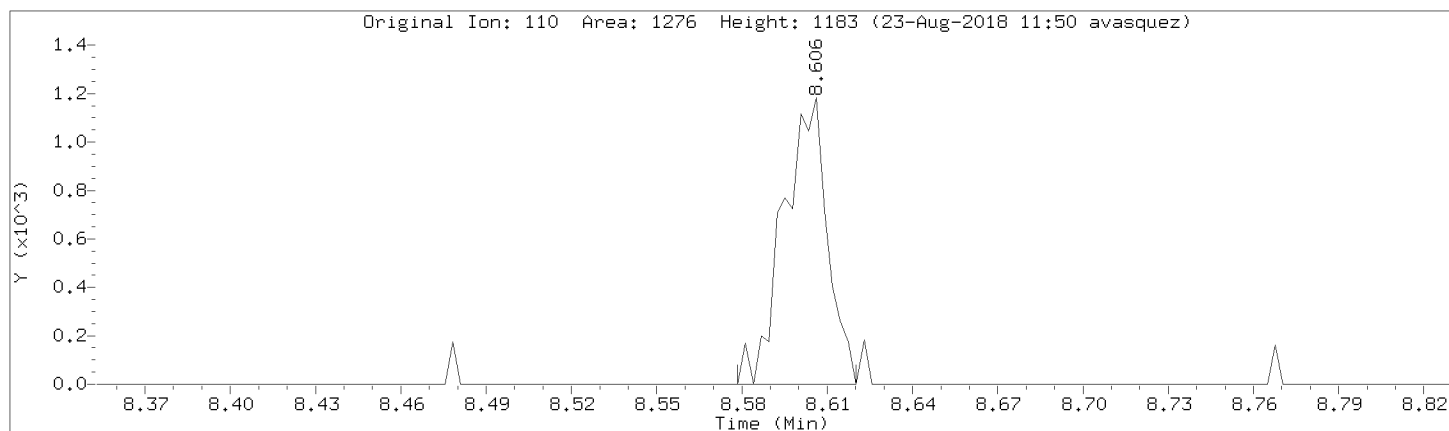
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

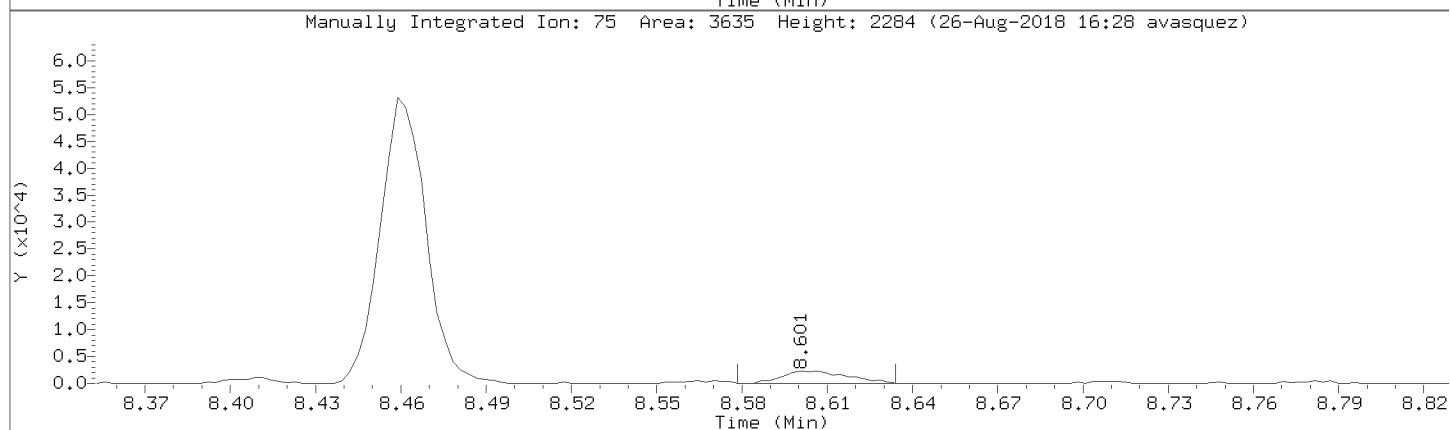
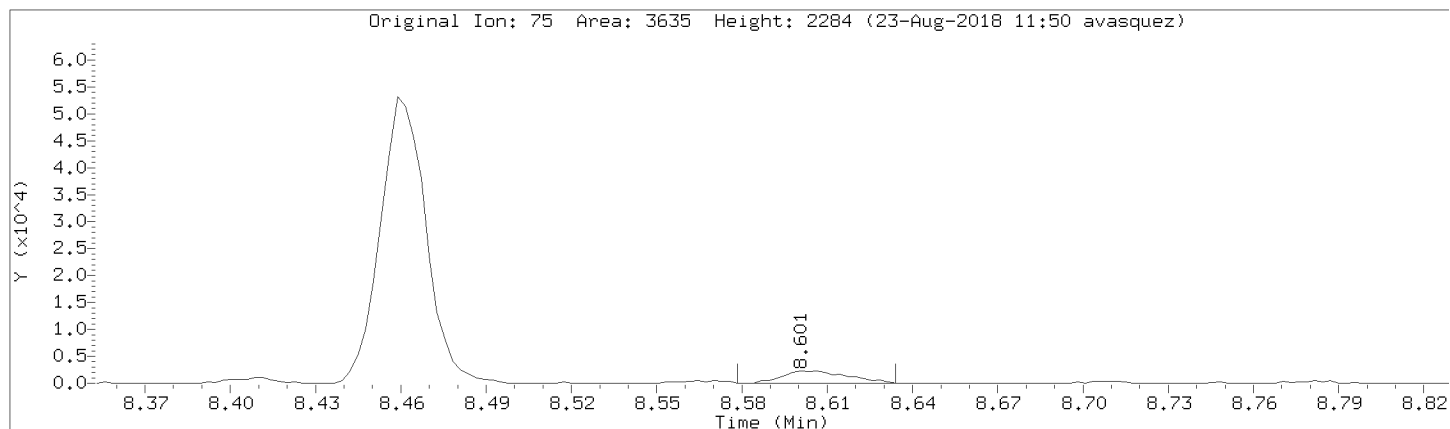
Compound: 1,2,3-Trichloropropane

Review Code: LT

CAS Number: 96-18-4



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d
Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3



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Injection Date: 22-AUG-2018 15:24

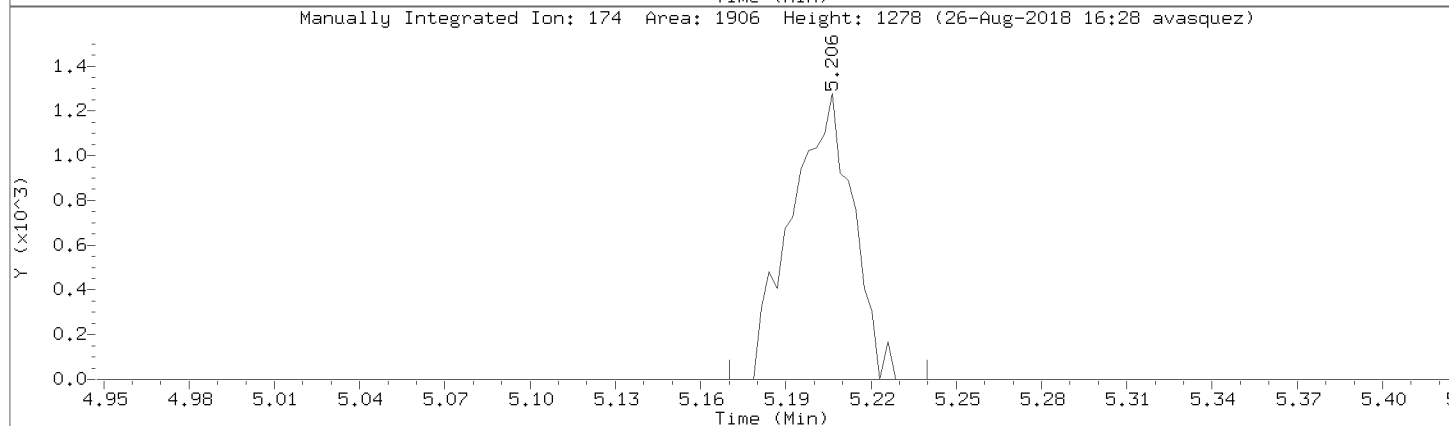
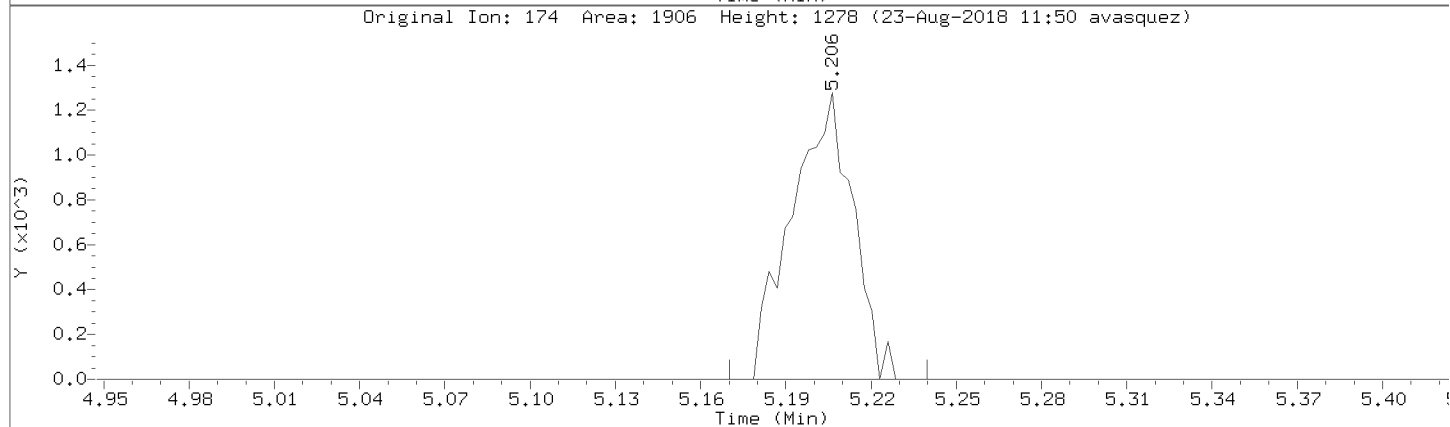
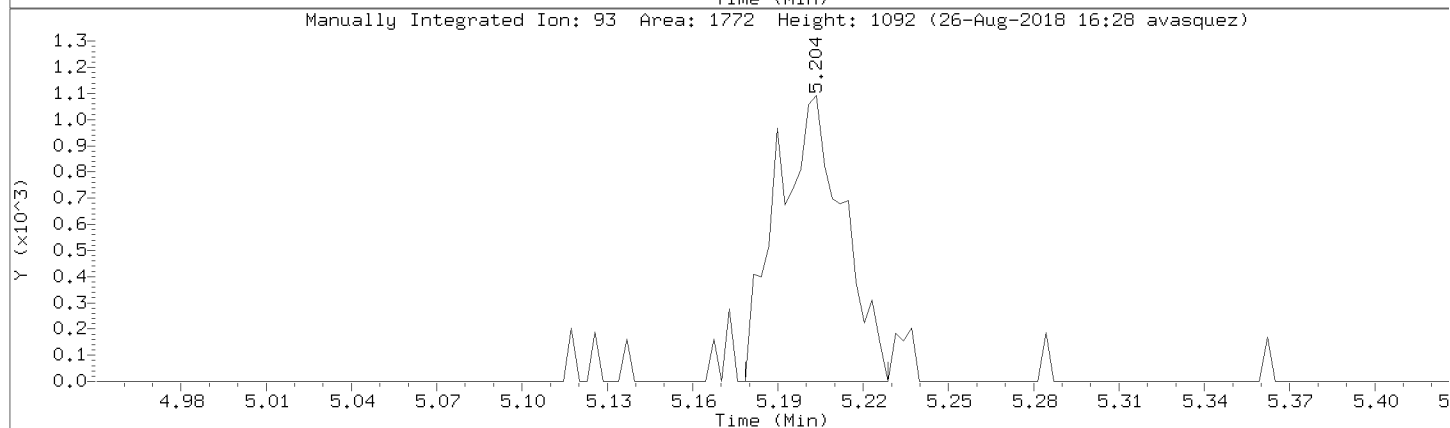
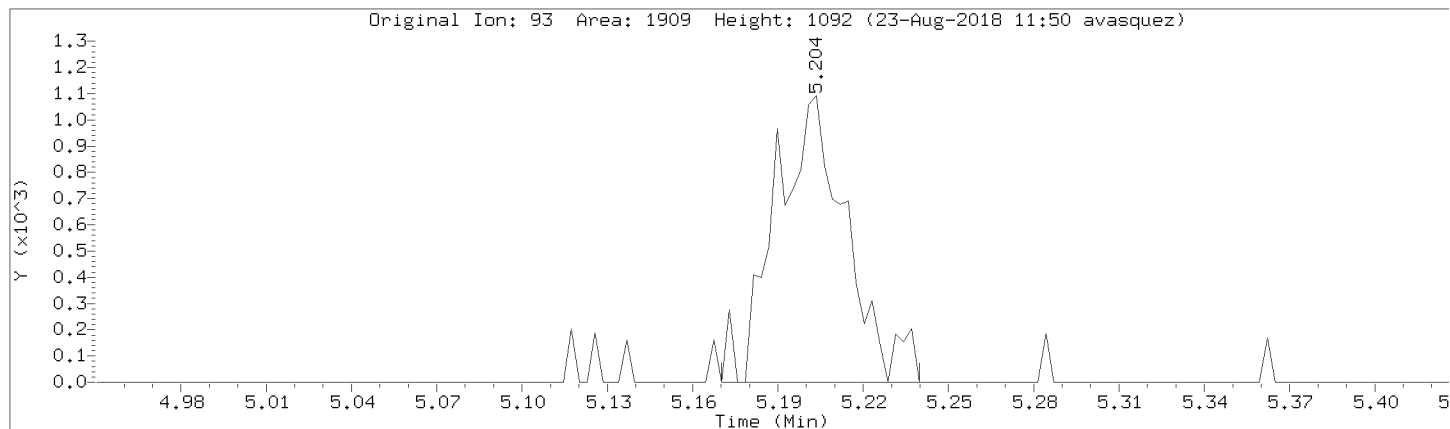
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

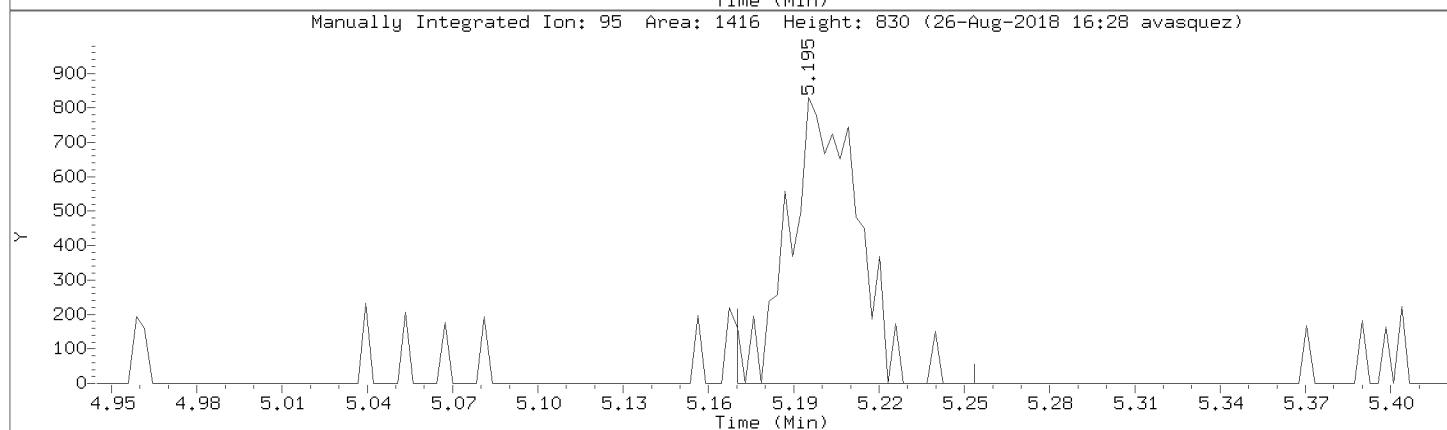
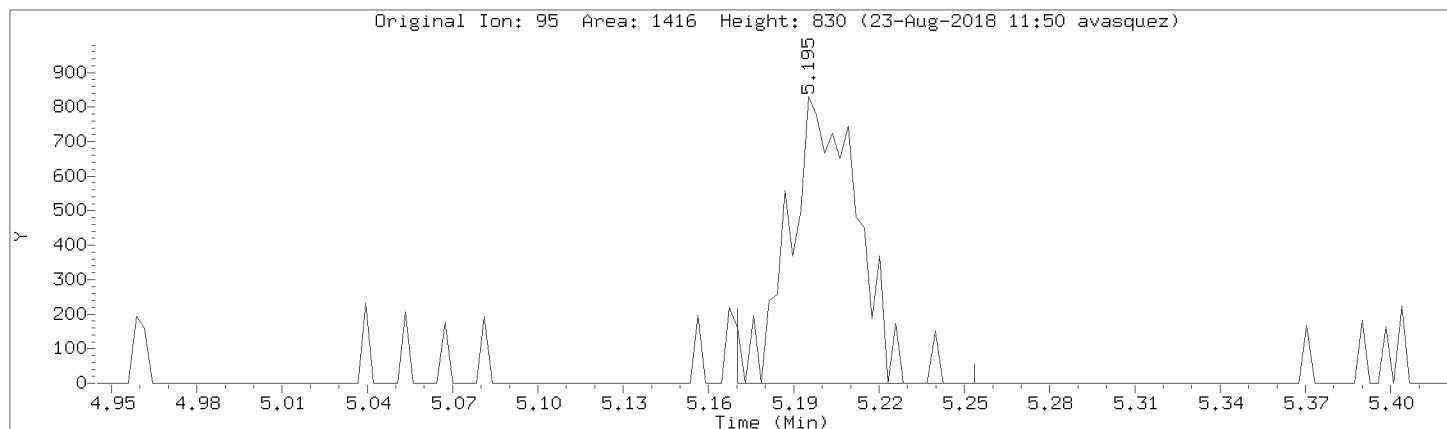
Compound: Dibromomethane

Review Code: NI

CAS Number: 74-95-3



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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3



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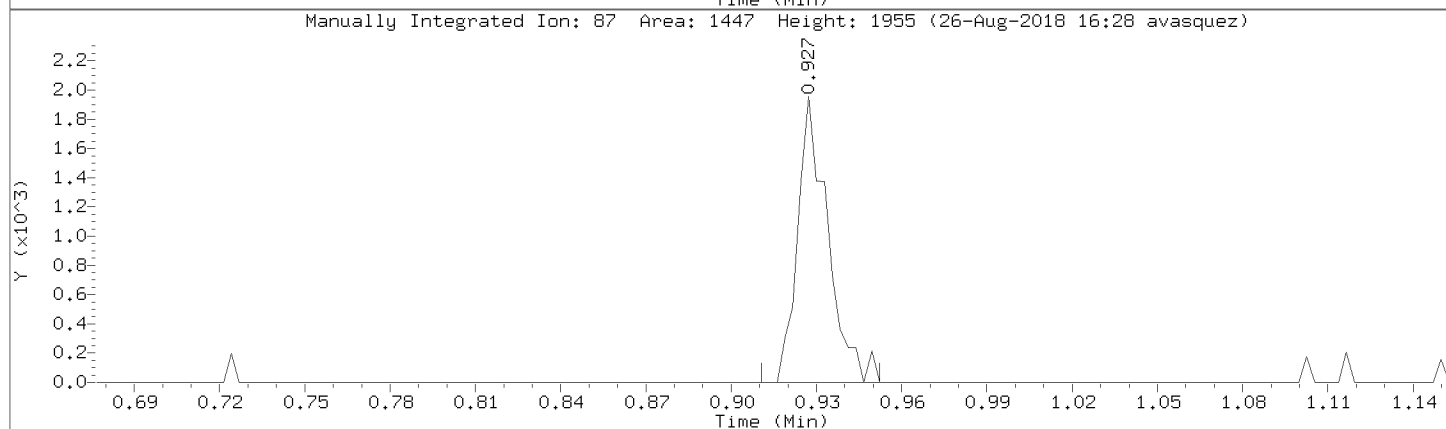
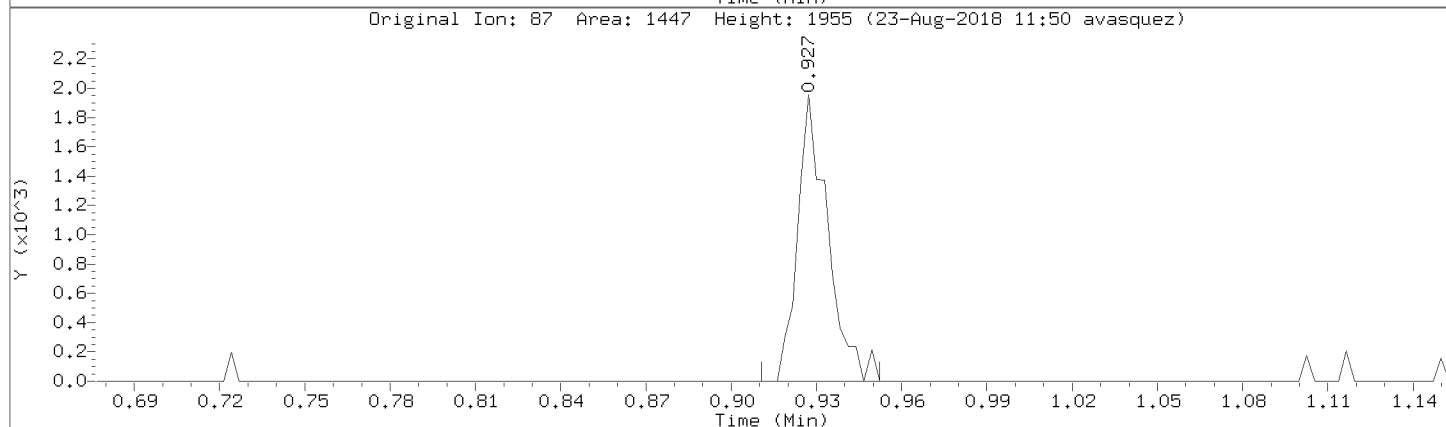
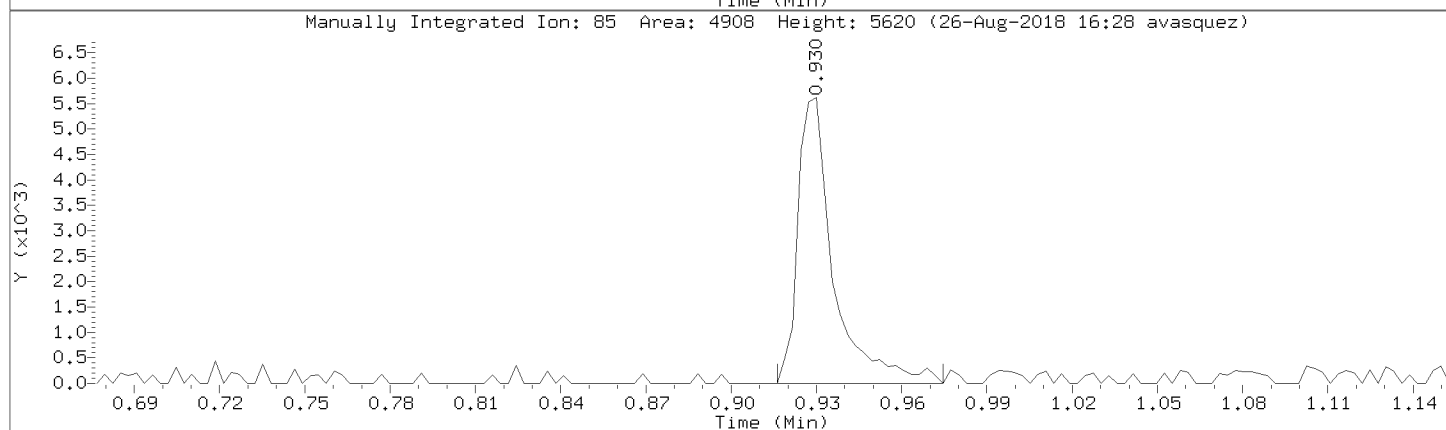
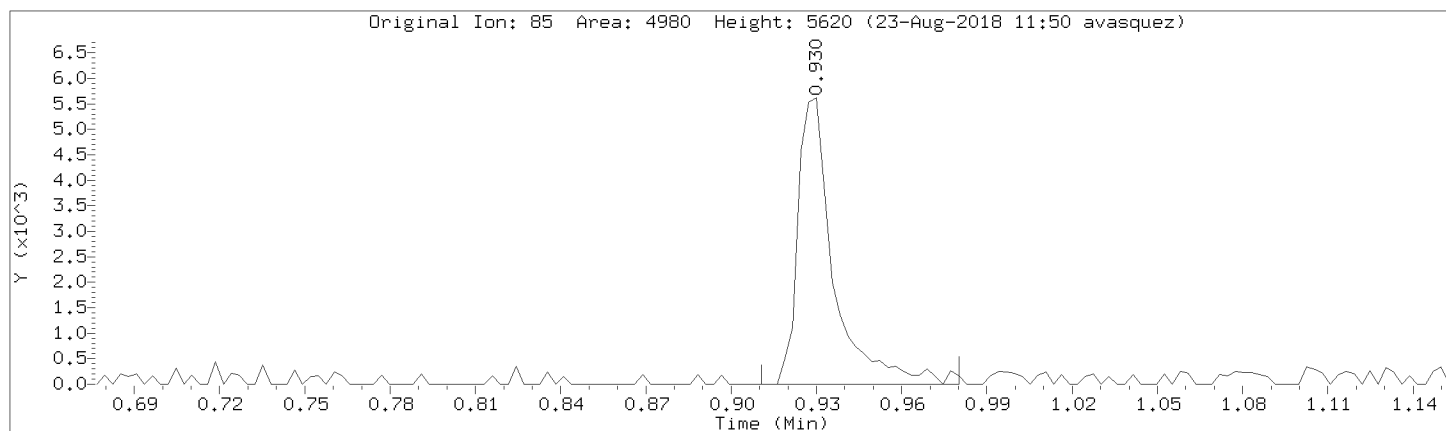
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Lab Sample ID: 8260-CAL3

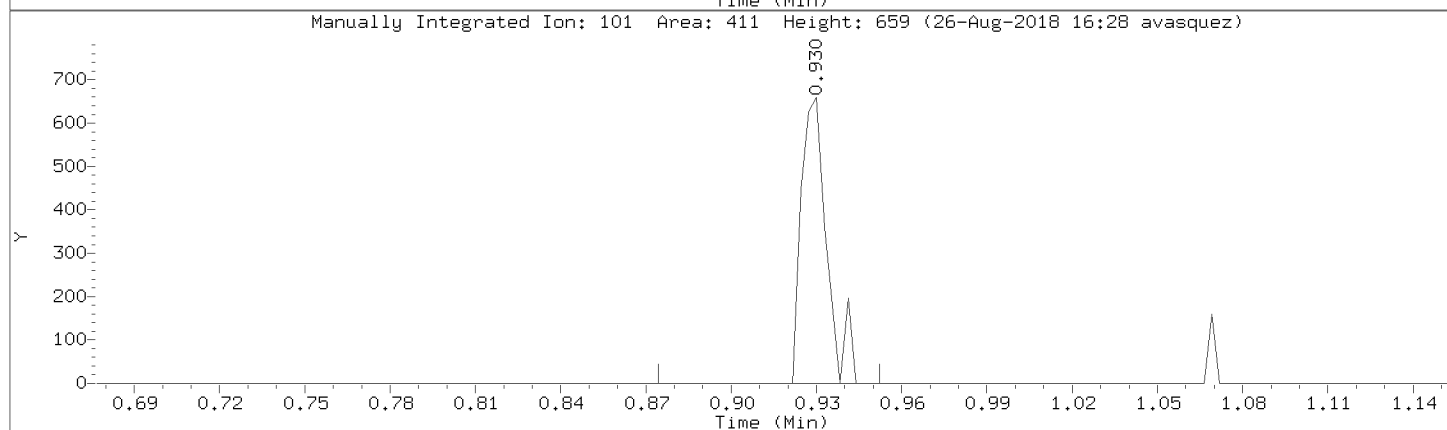
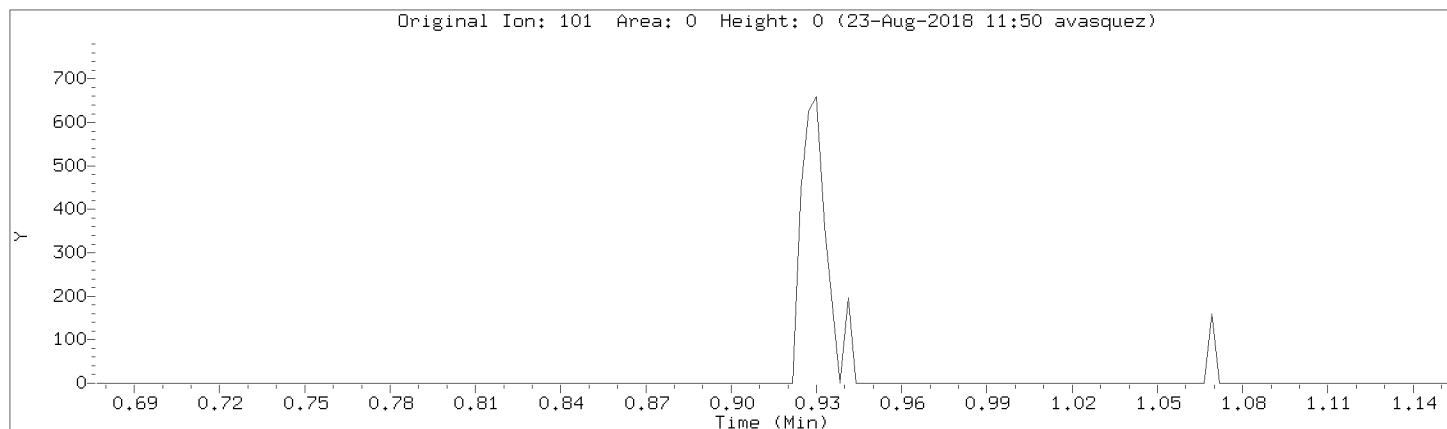
Compound: Dichlorodifluoromethane

Review Code: LT

CAS Number: 75-71-8



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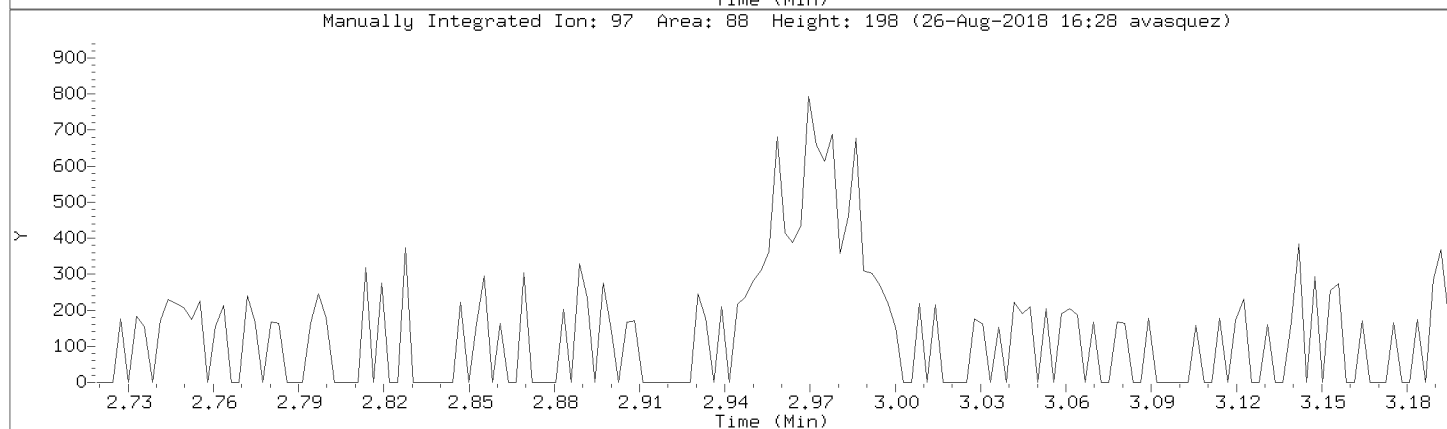
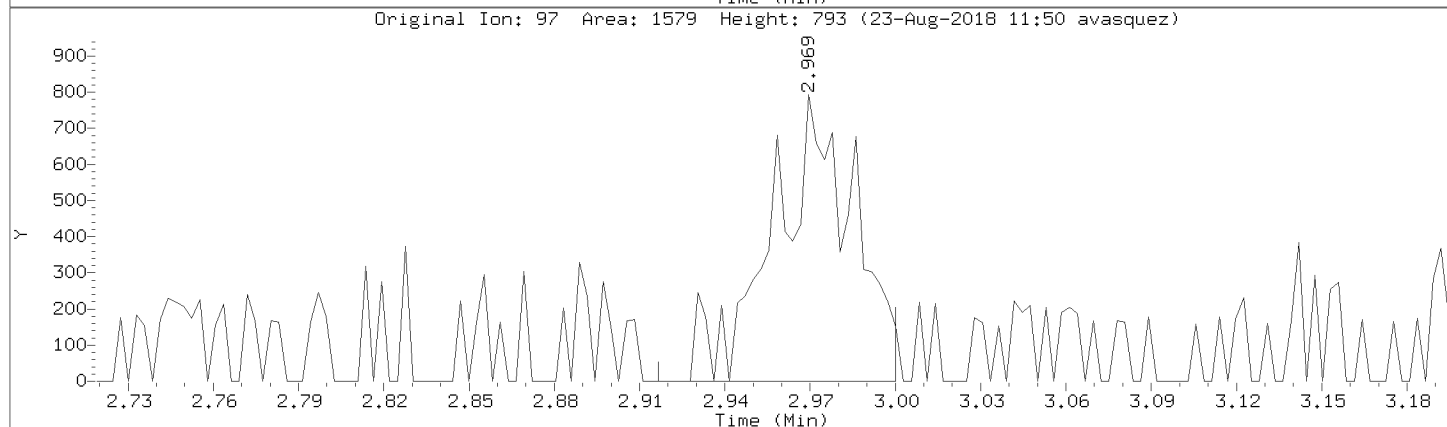
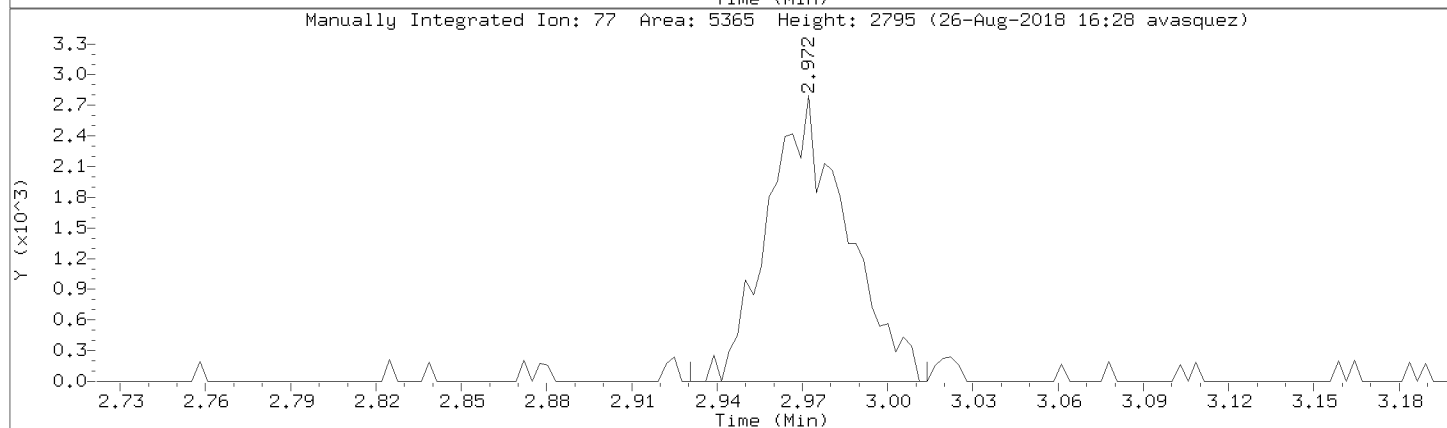
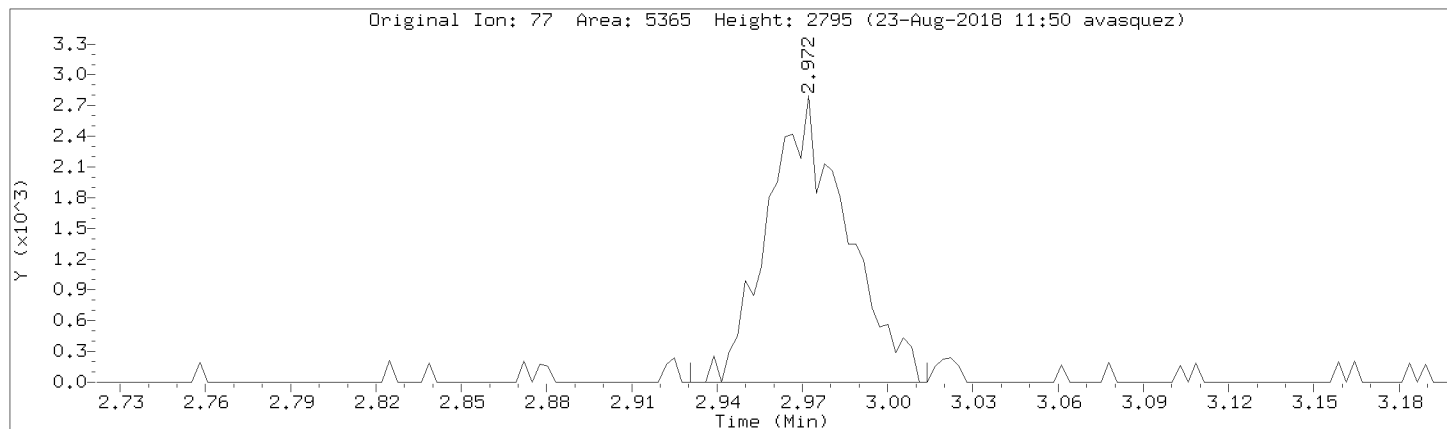
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: 2,2-Dichloropropane

Review Code: WP

CAS Number: 594-20-7



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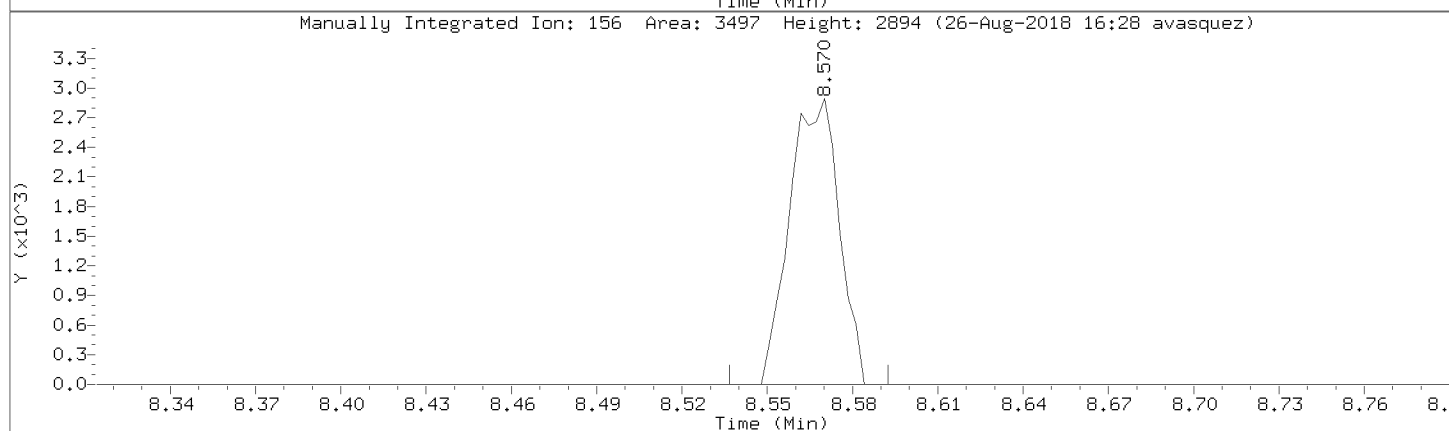
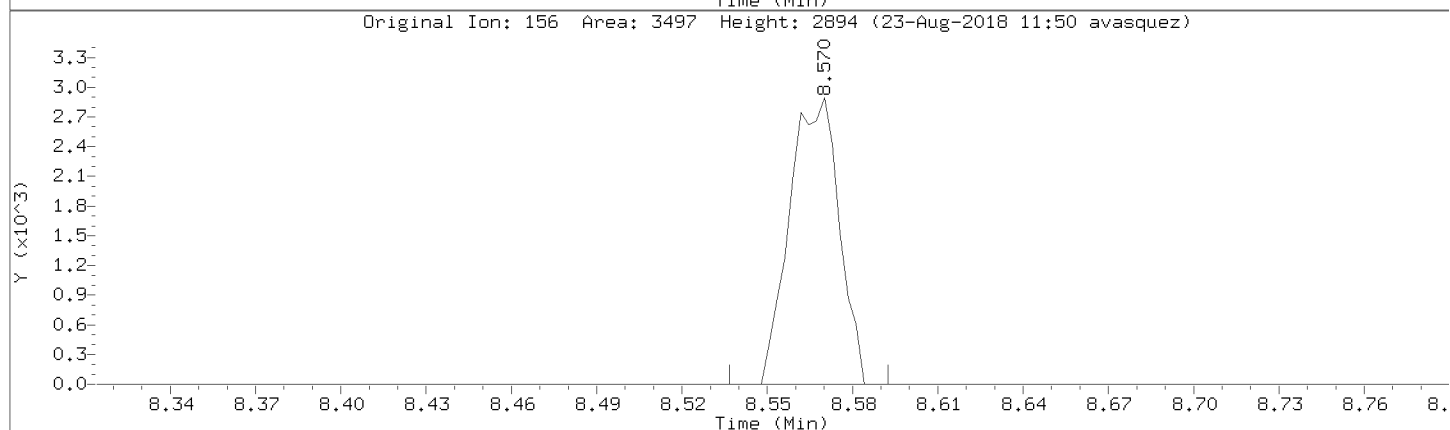
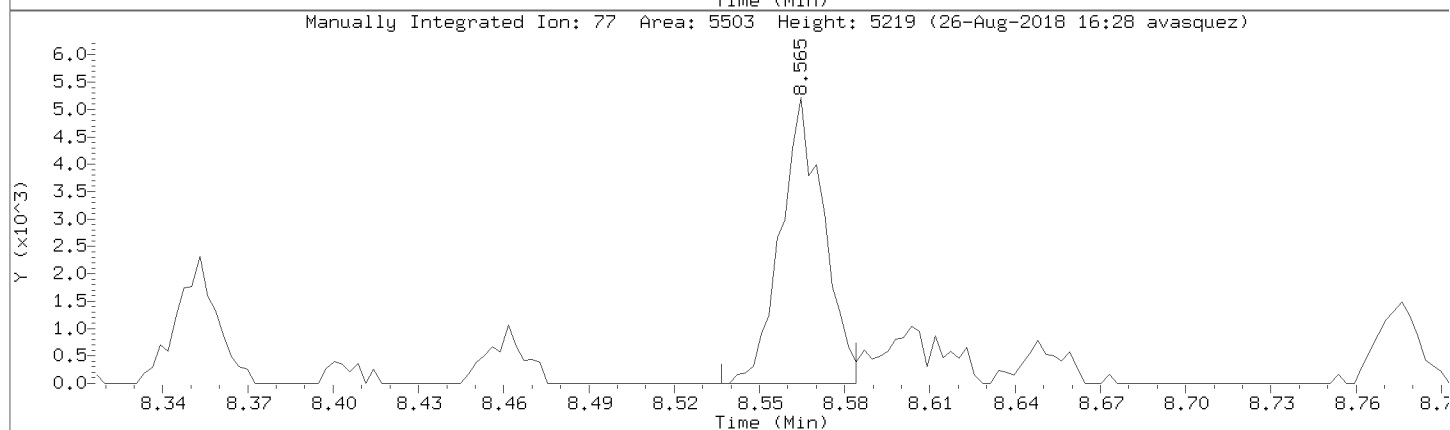
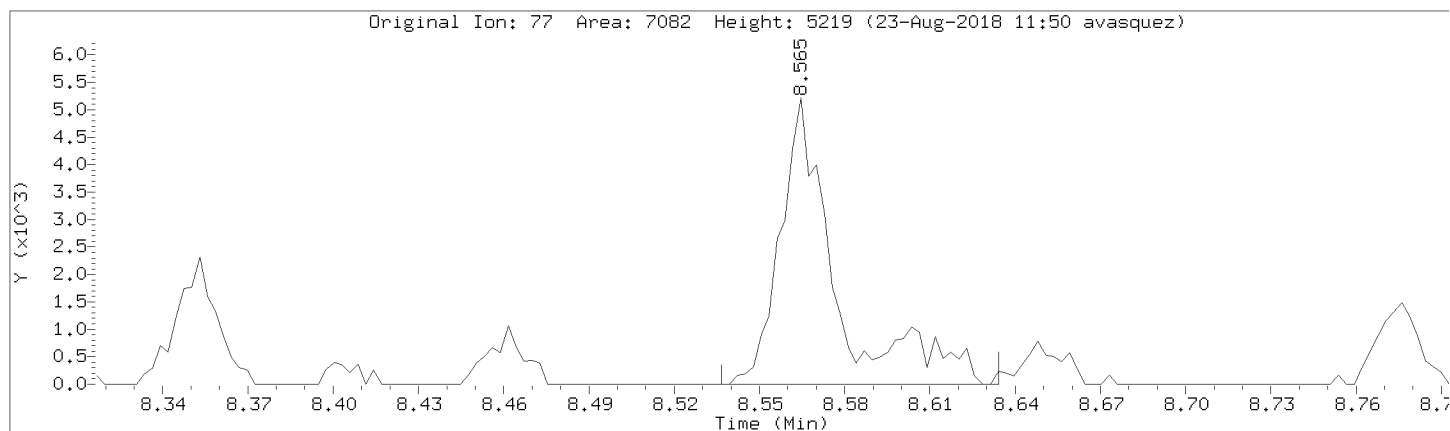
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: Bromobenzene

Review Code: GT

CAS Number: 108-86-1

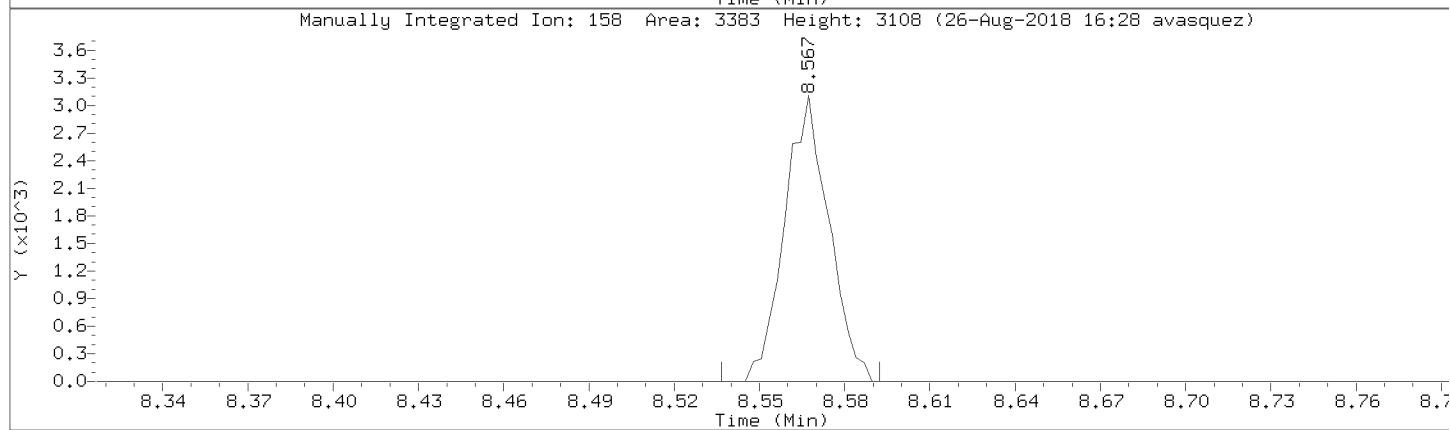
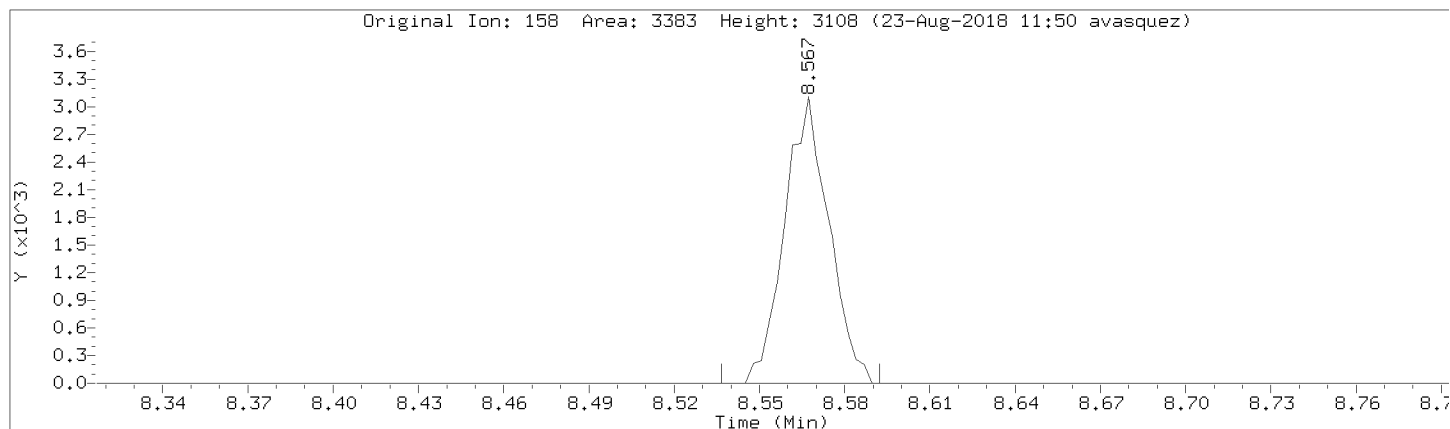


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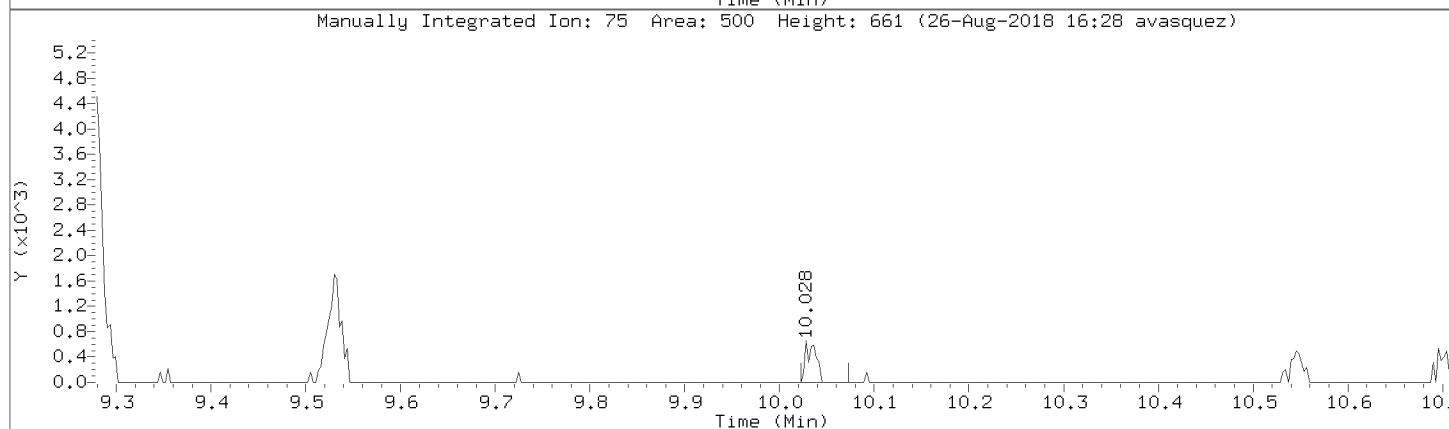
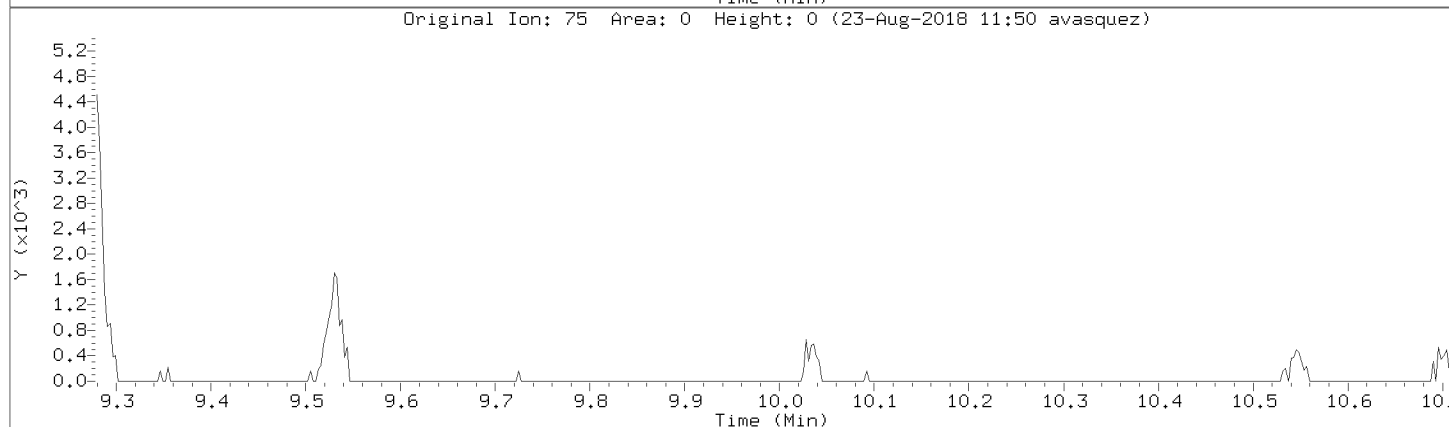
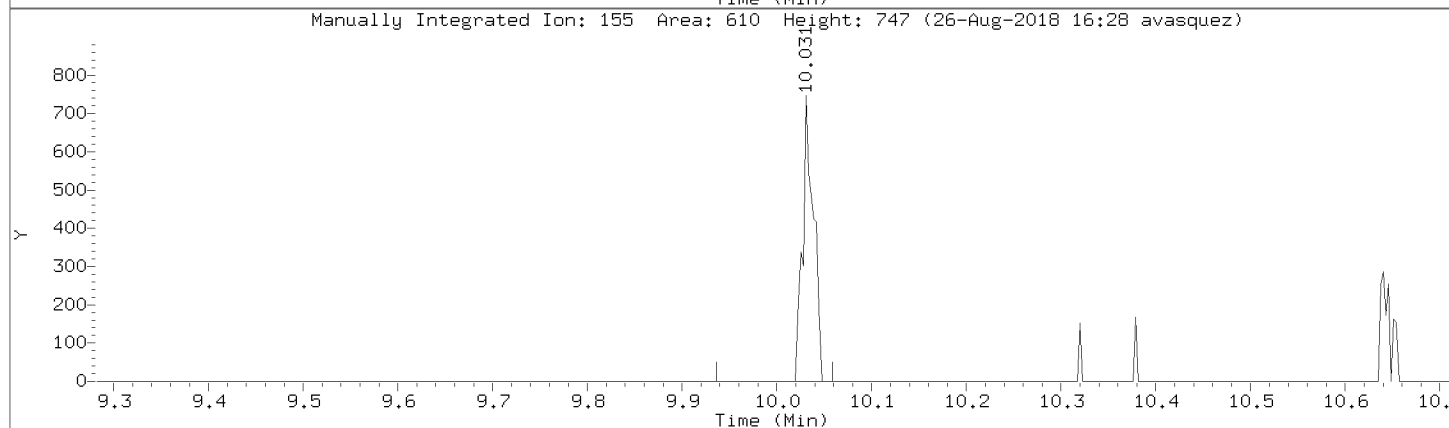
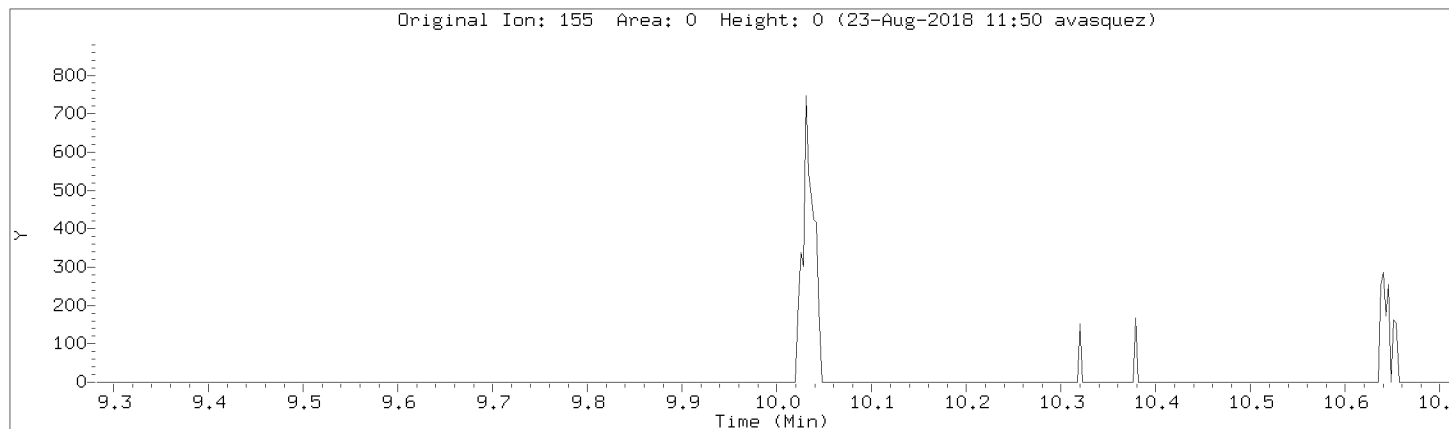
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Lab Sample ID: 8260-CAL3

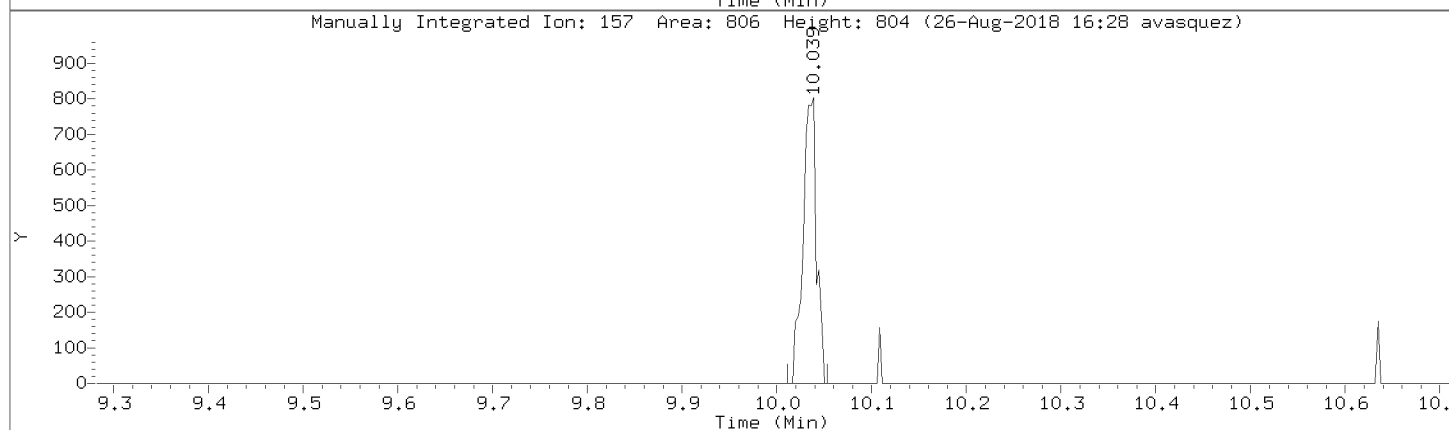
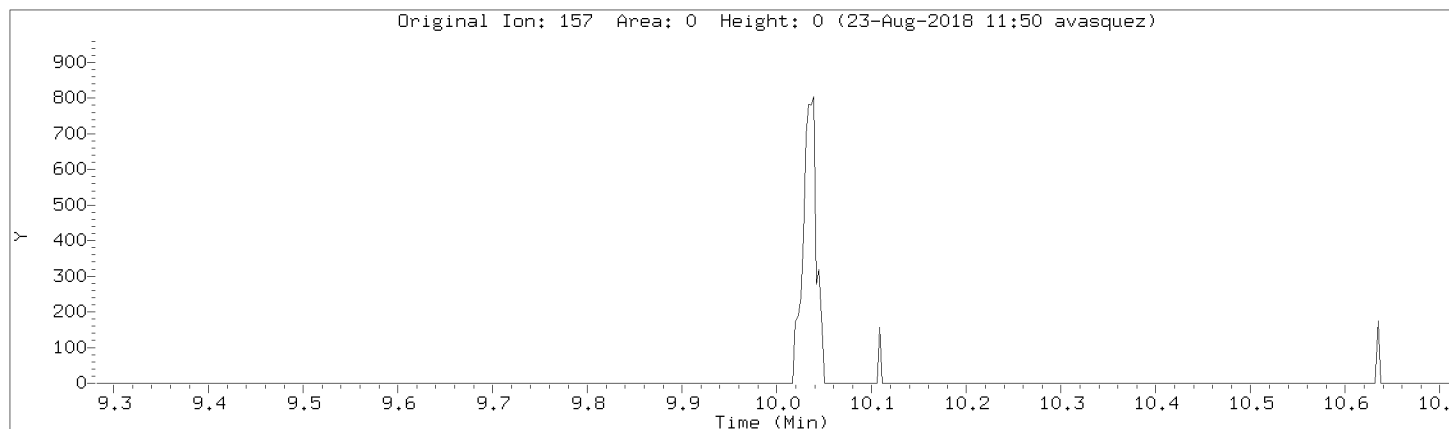


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

Compound: 1,2-Dibromo-3-chloropropane Review Code: NI
CAS Number: 96-12-8



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d
Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3



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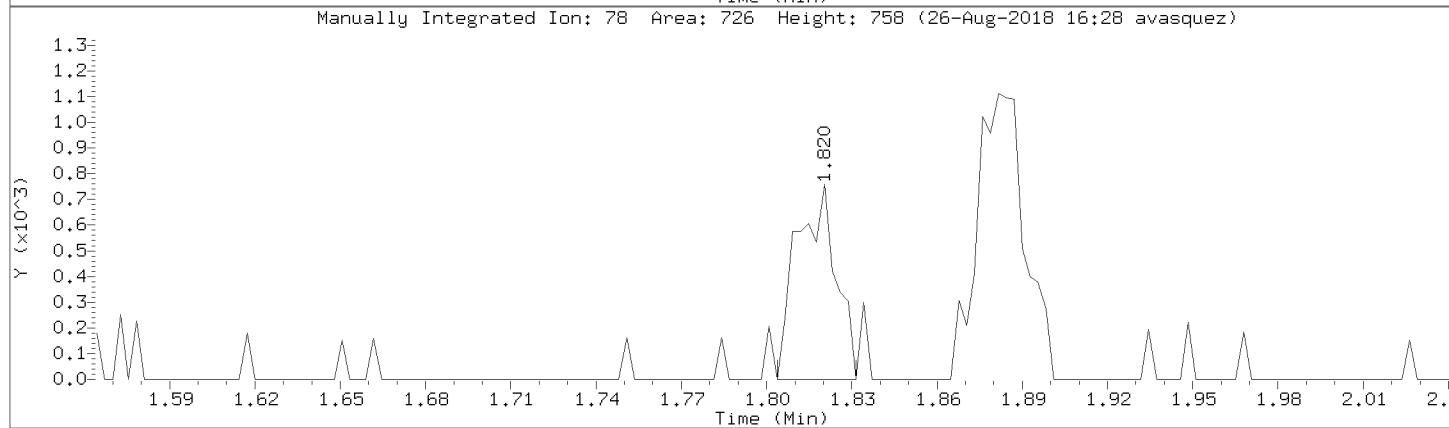
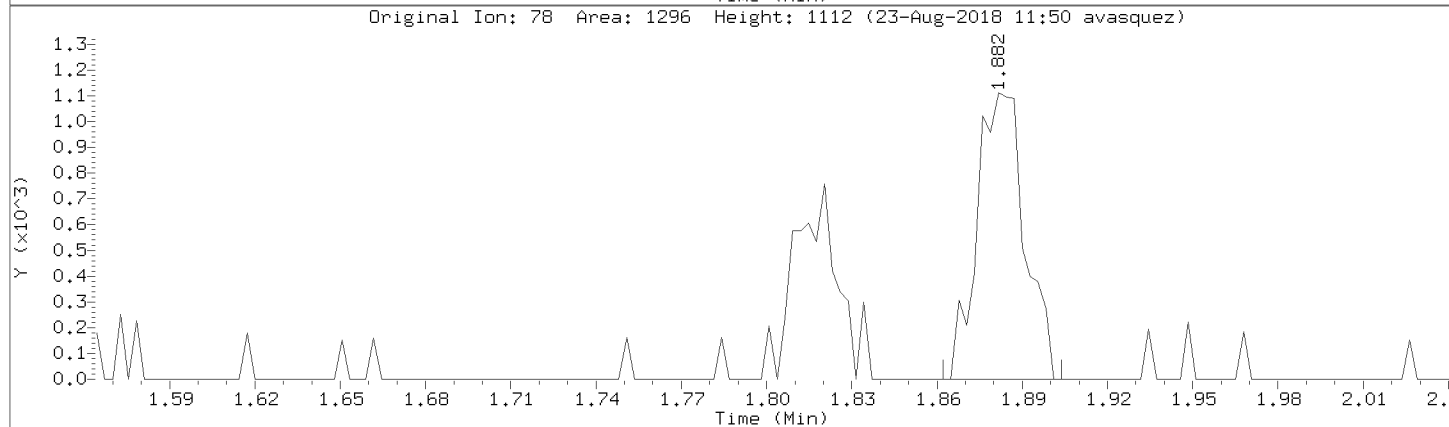
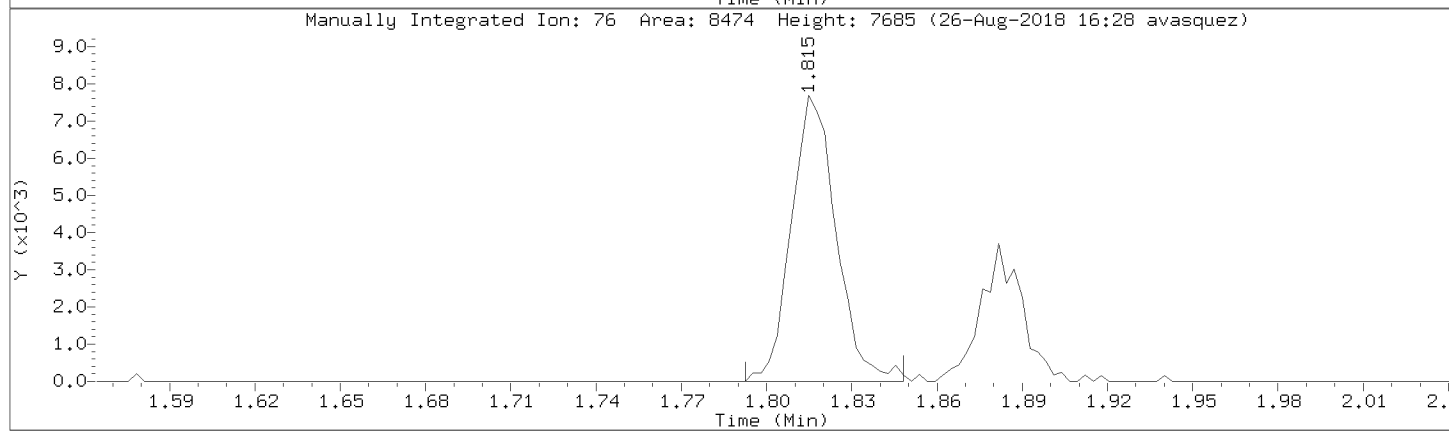
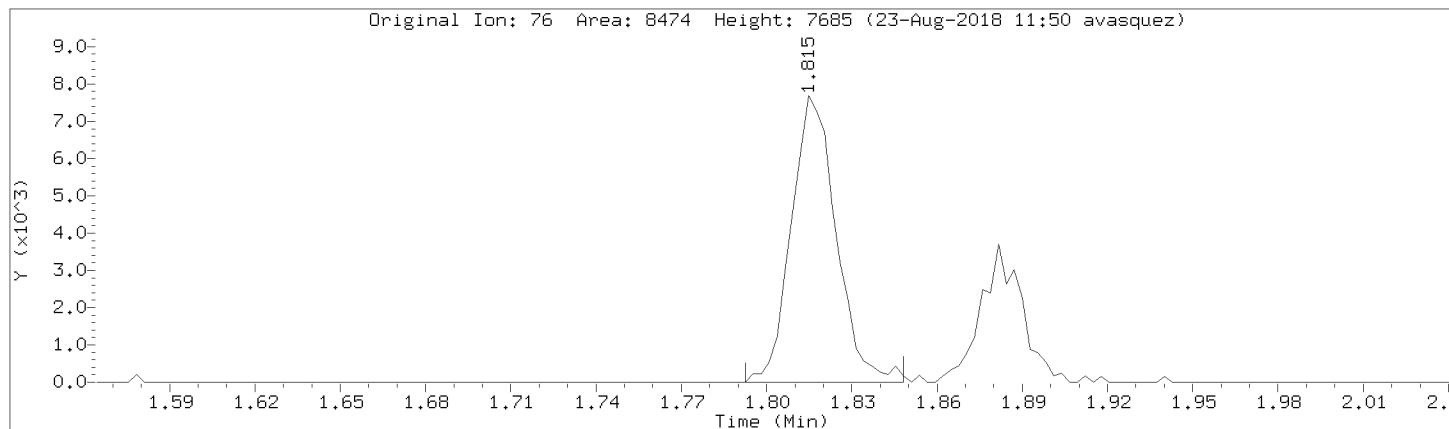
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: Carbon Disulfide

Review Code: NI

CAS Number: 75-15-0



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Injection Date: 22-AUG-2018 15:24

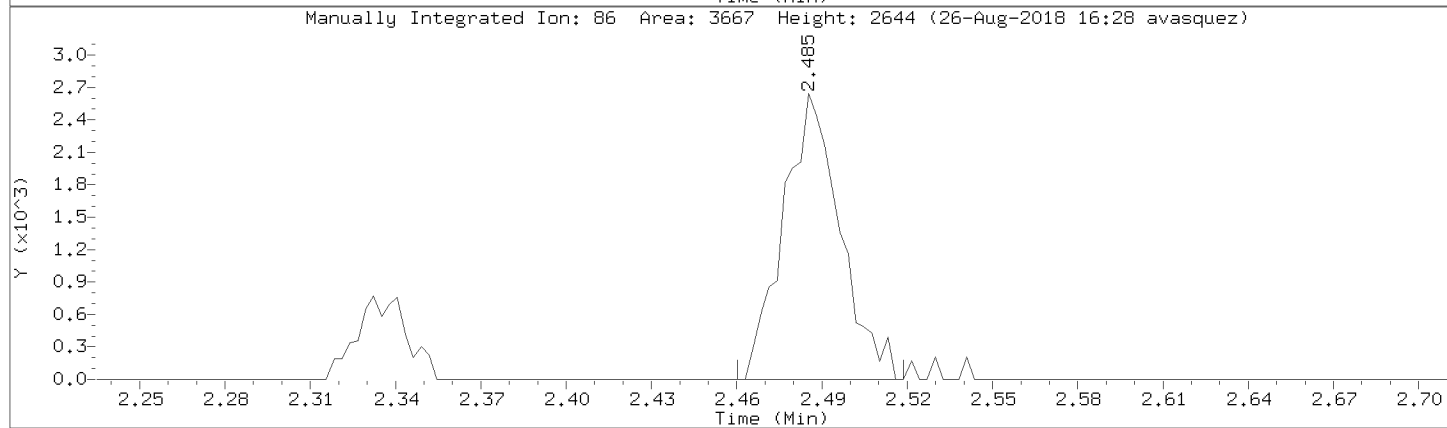
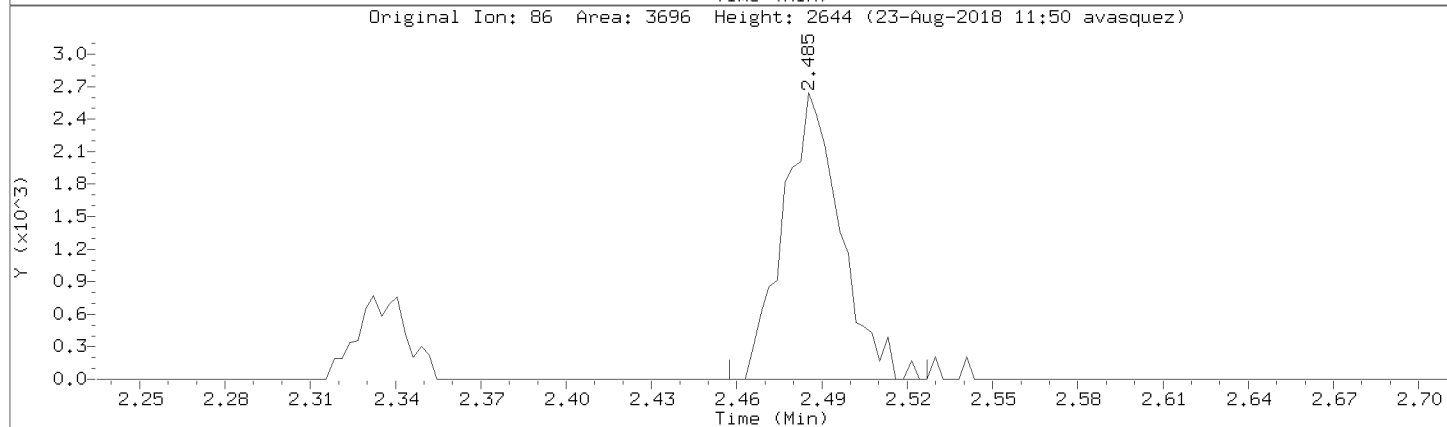
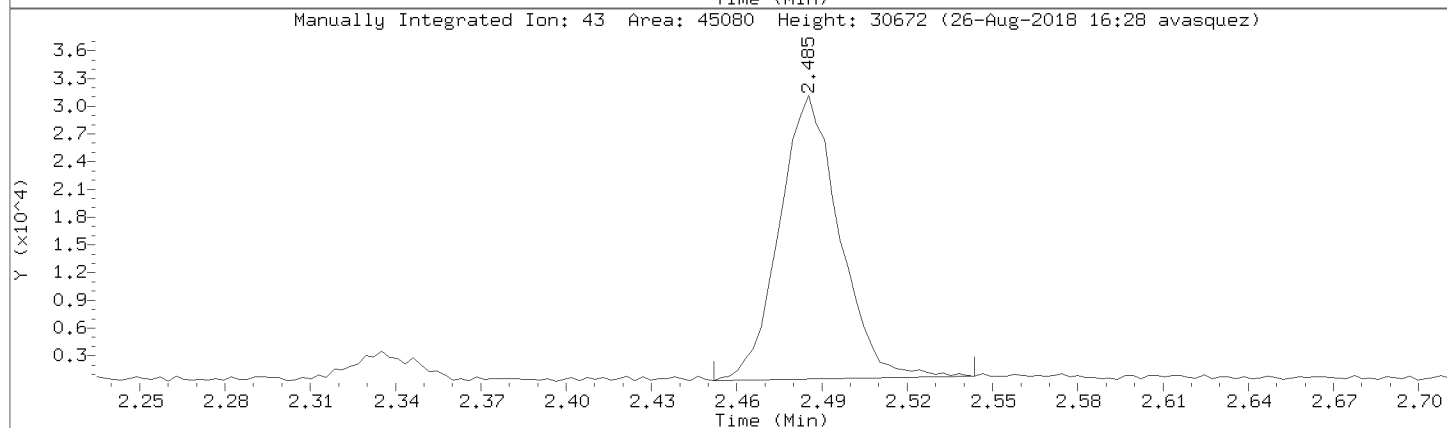
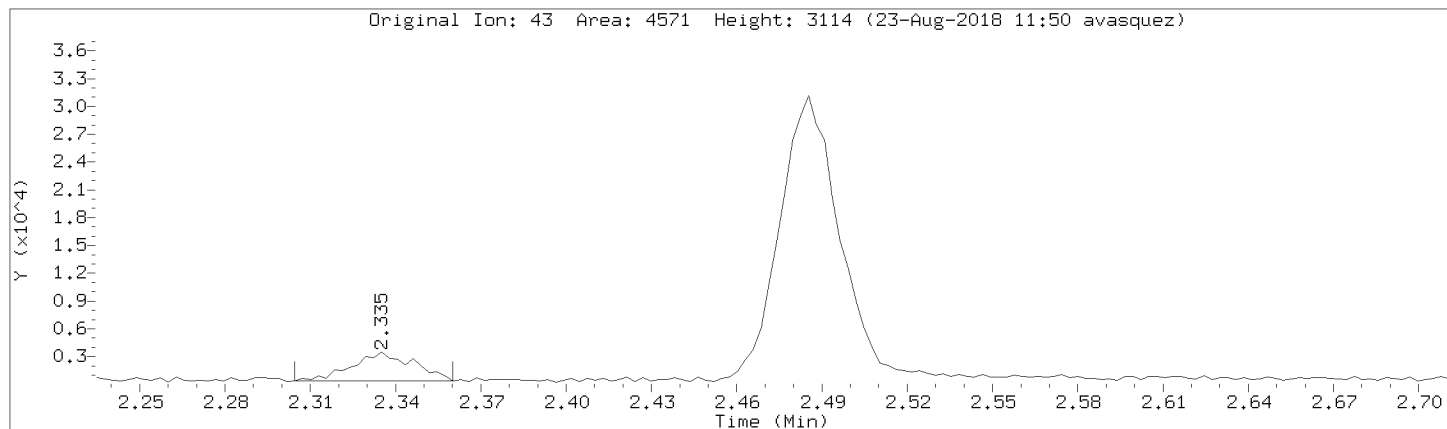
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: Vinyl Acetate

Review Code: NI

CAS Number: 108-05-4



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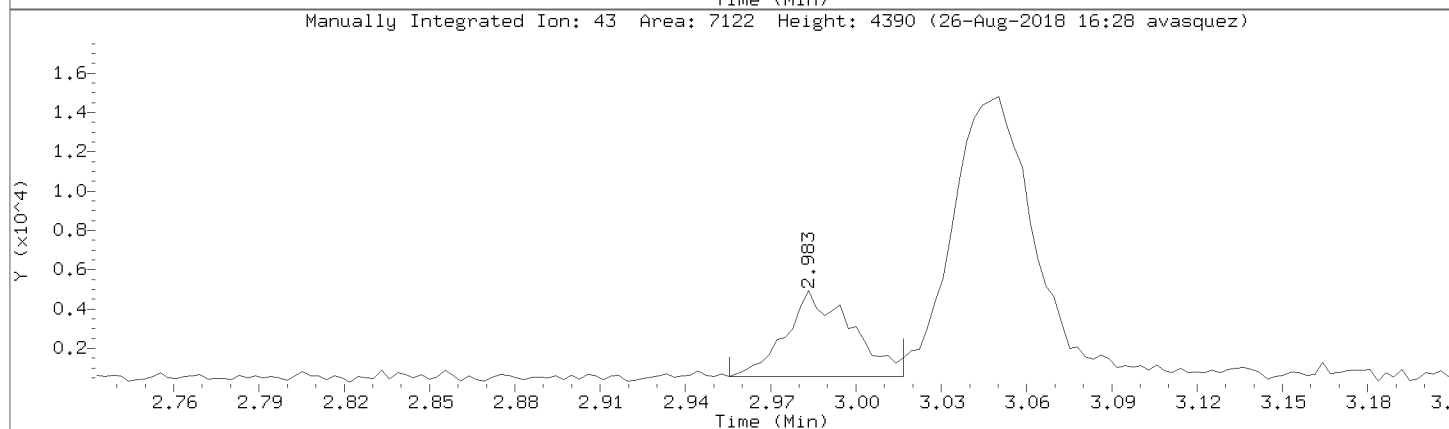
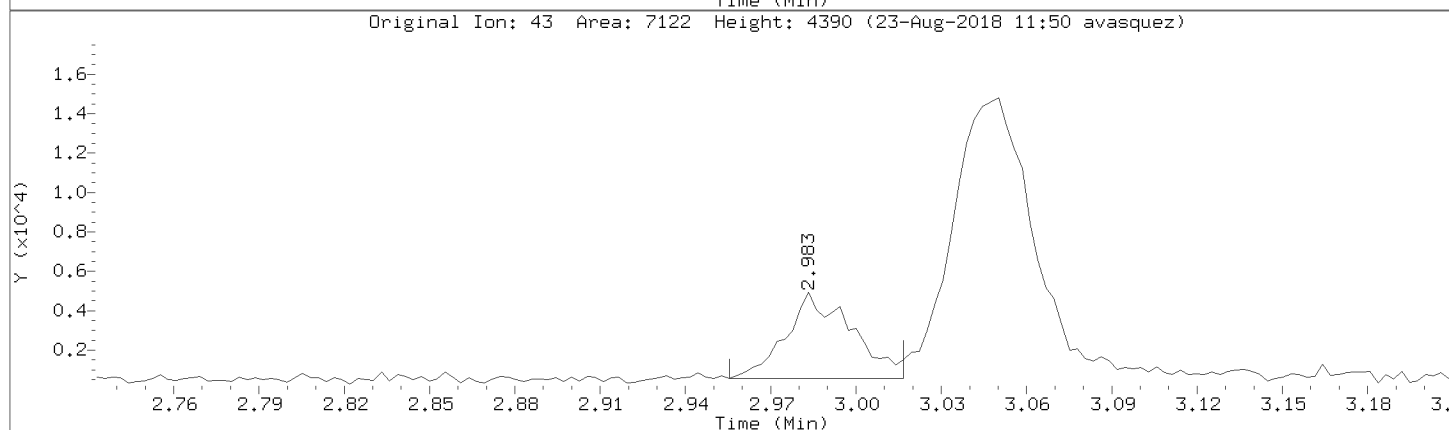
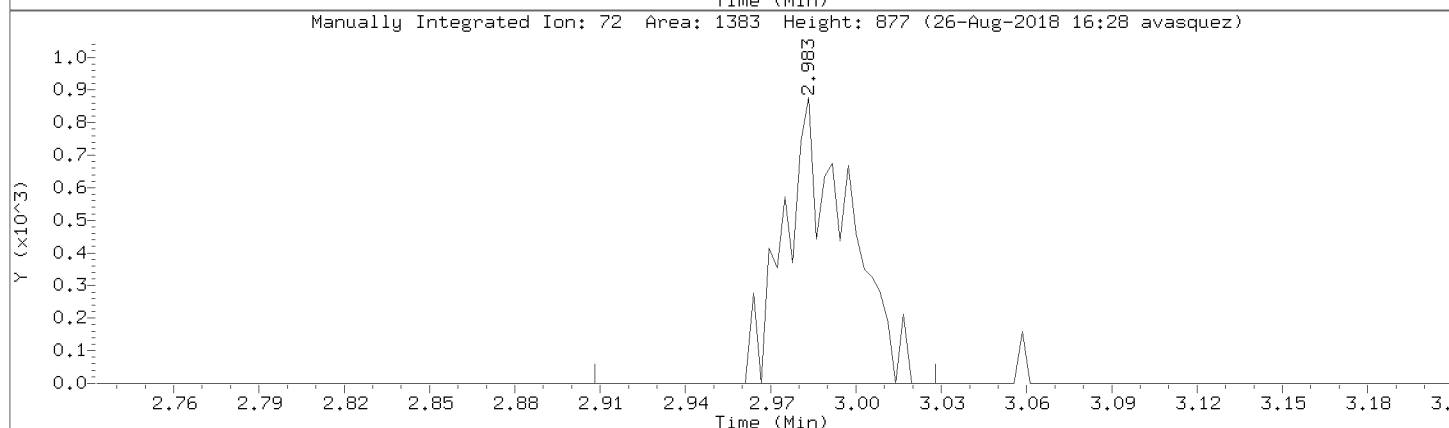
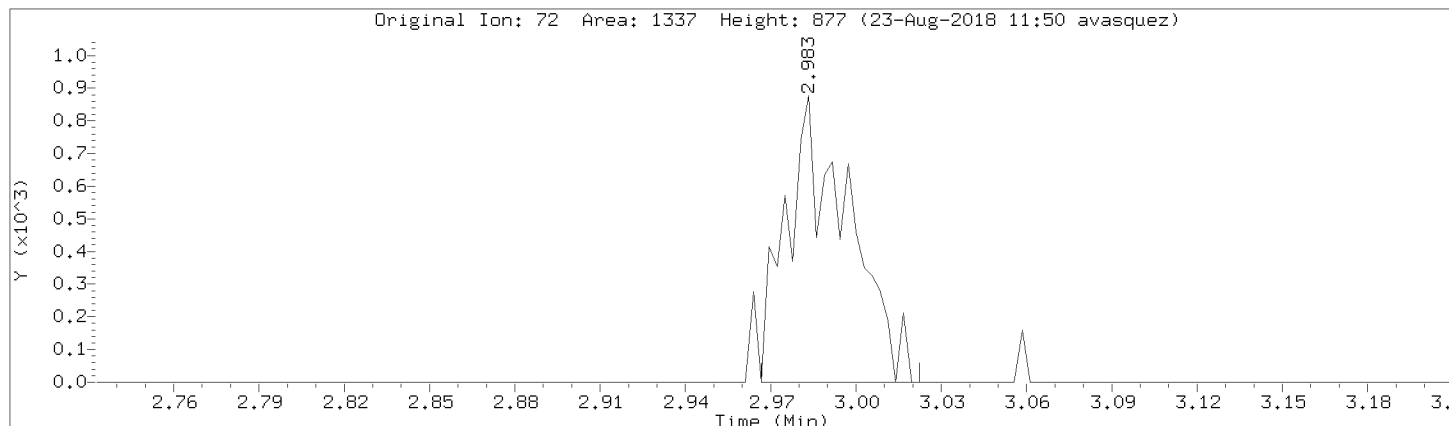
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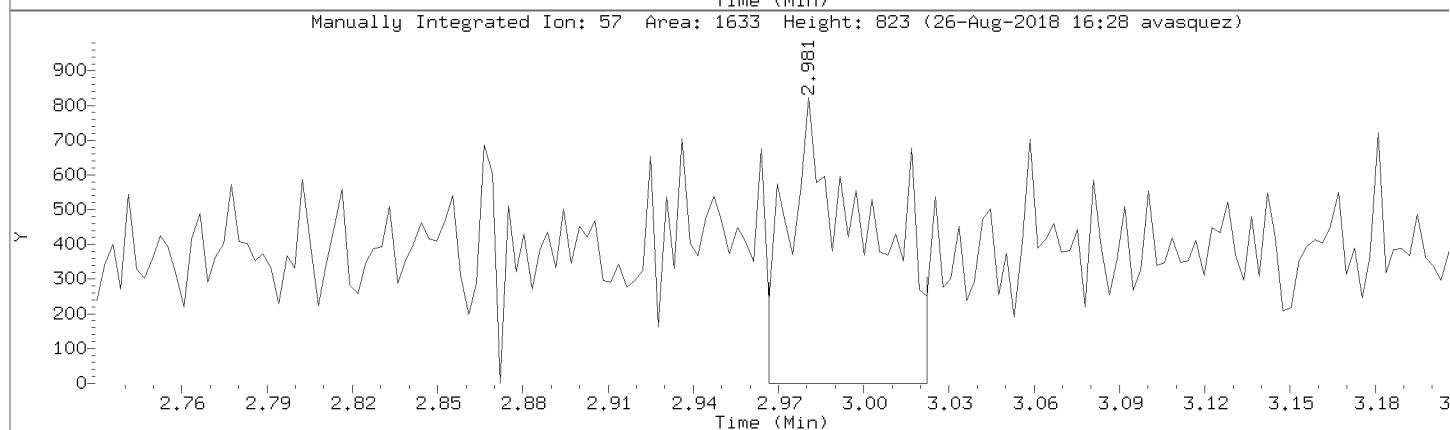
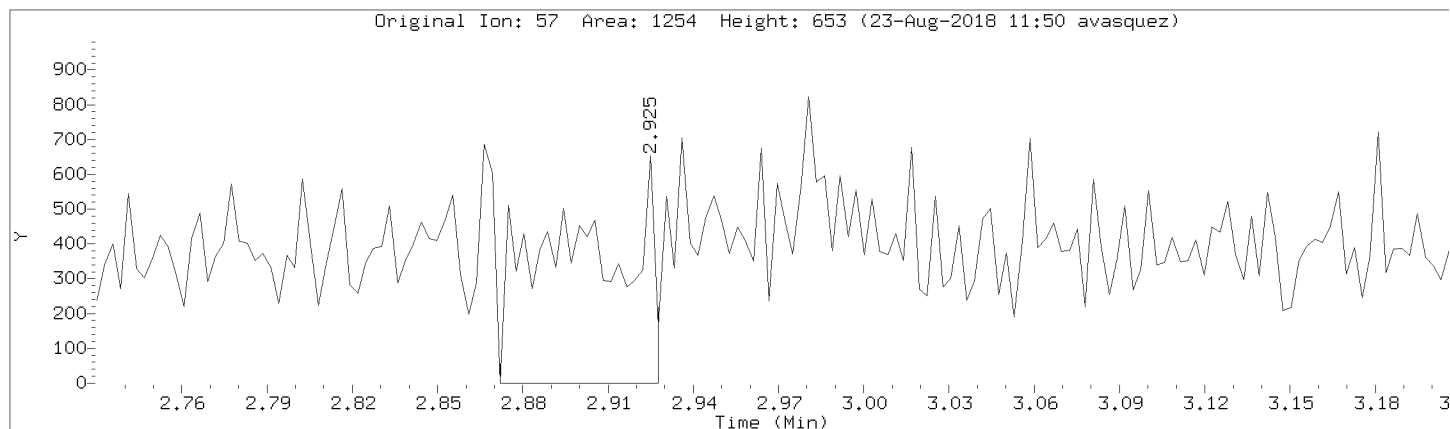
Lab Sample ID: 8260-CAL3

Compound: 2-Butanone Review Code: NI

CAS Number: 78-93-3



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d
Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3



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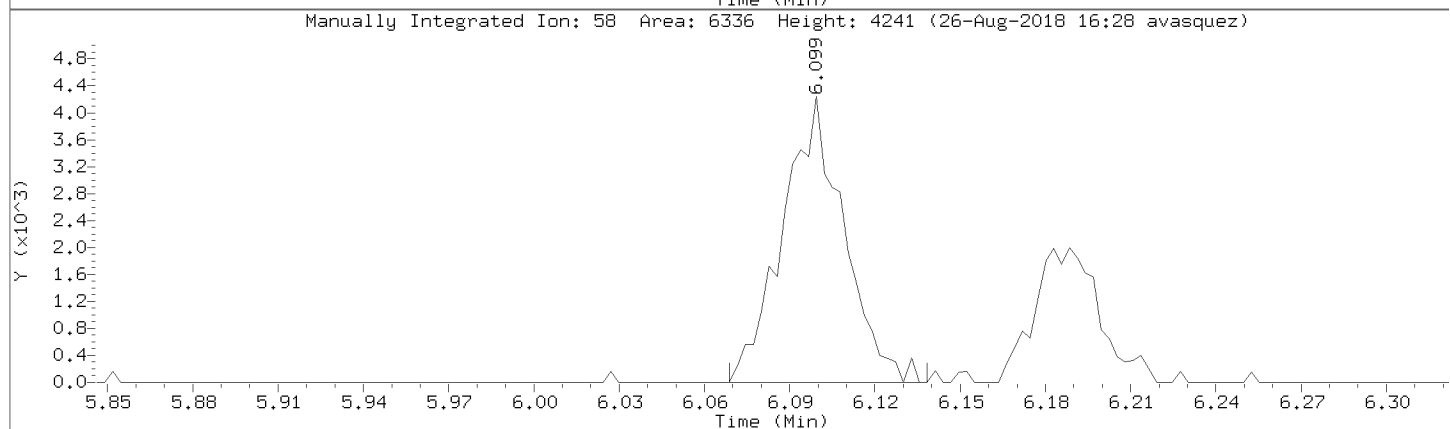
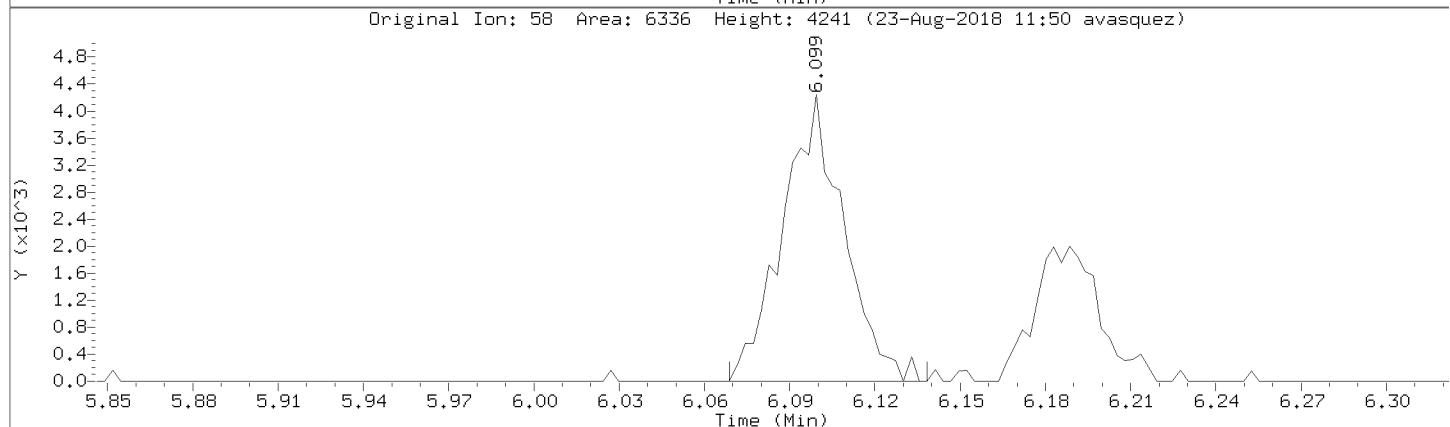
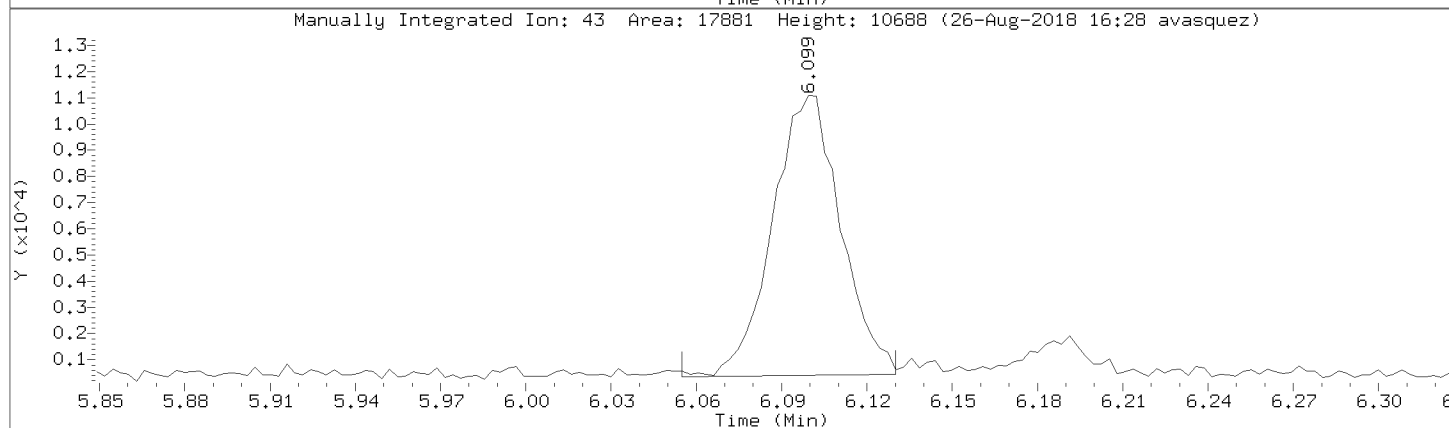
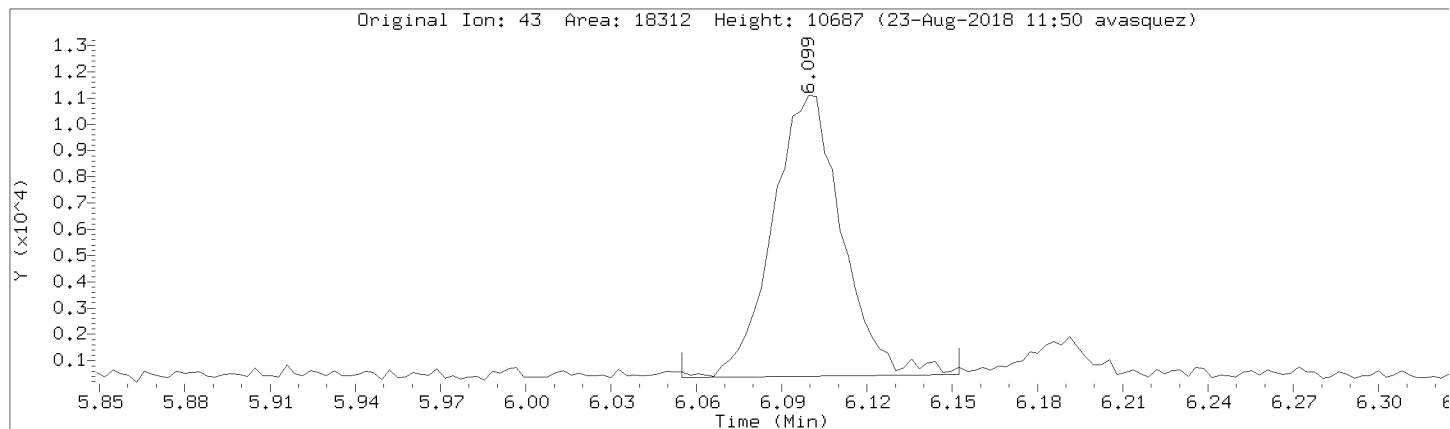
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Lab Sample ID: 8260-CAL3

Compound: 4-Methyl-2-Pentanone

Review Code:

CAS Number: 108-10-1

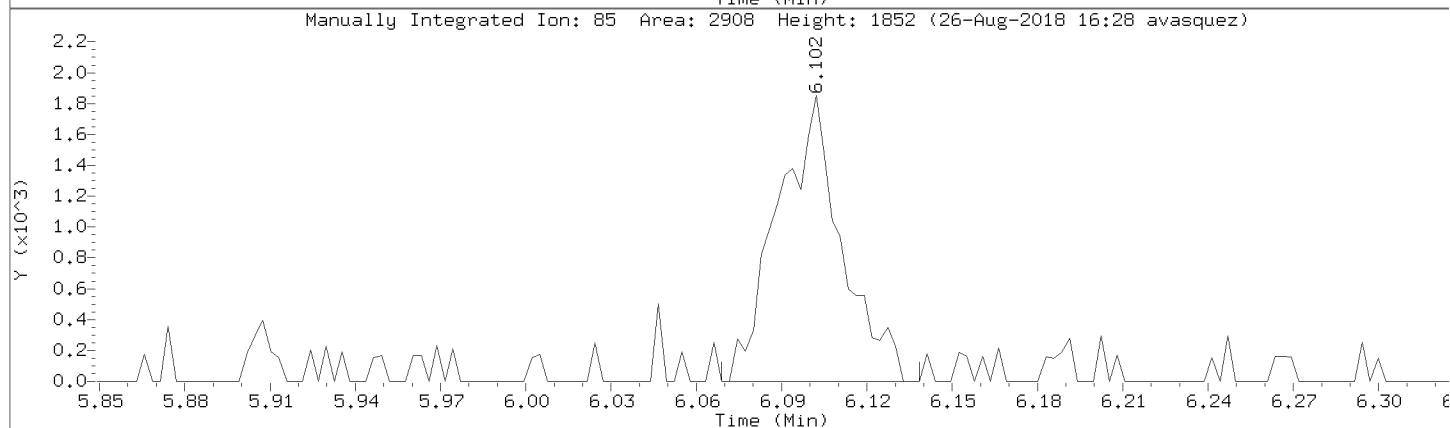
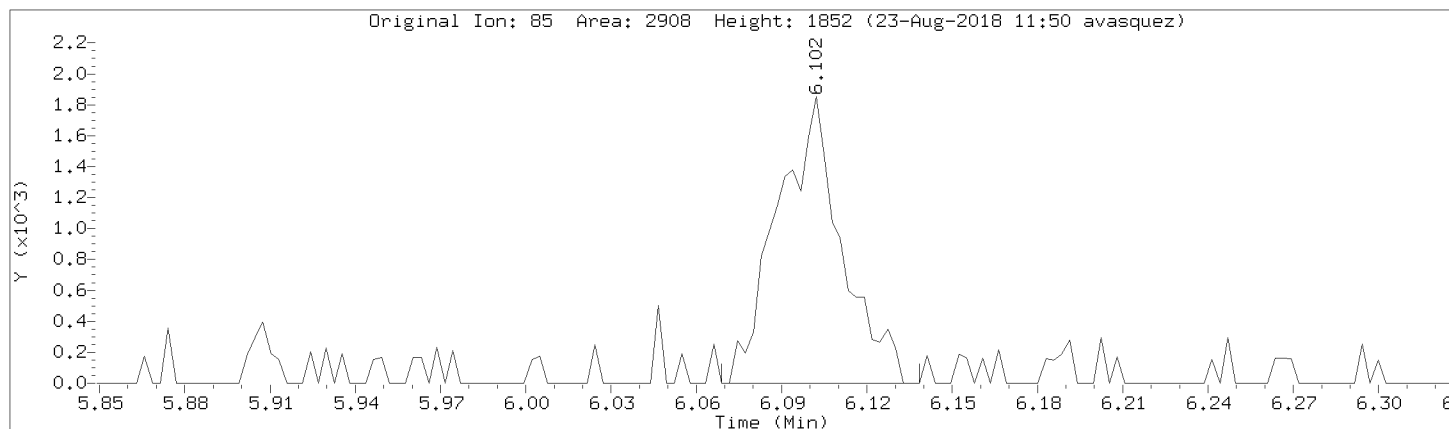


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Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3



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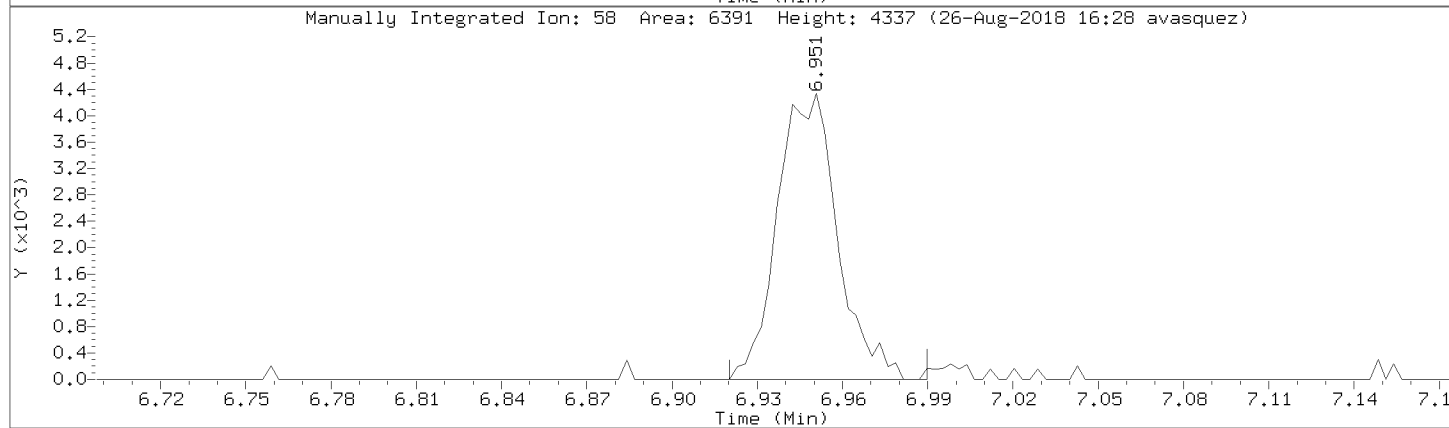
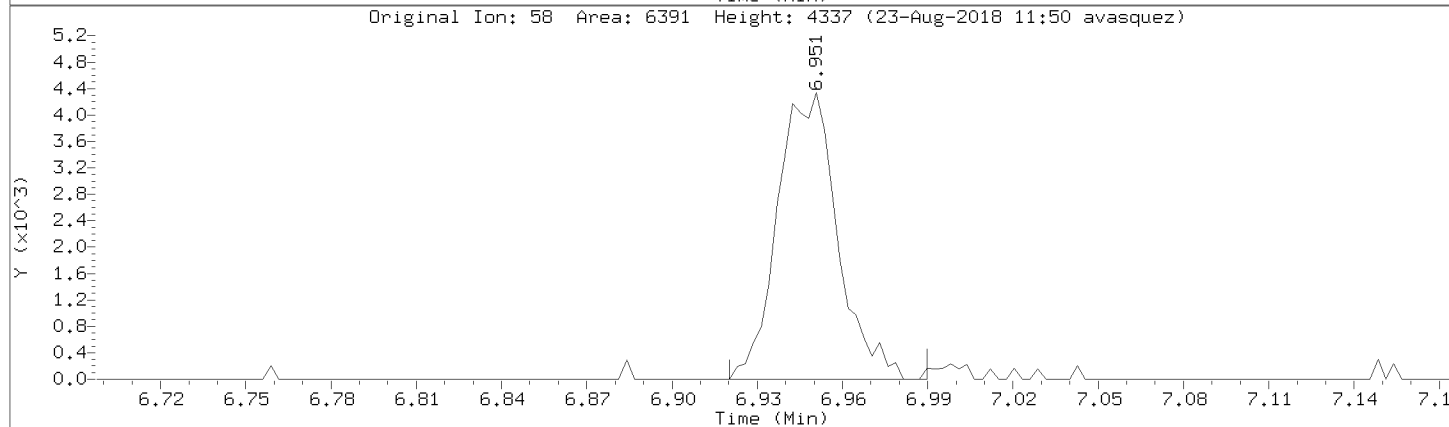
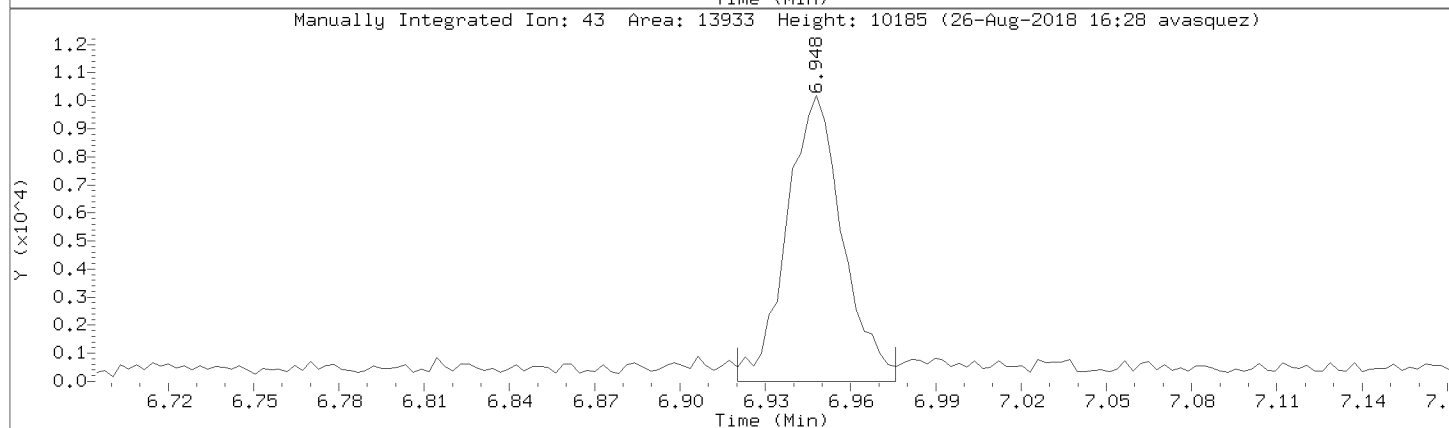
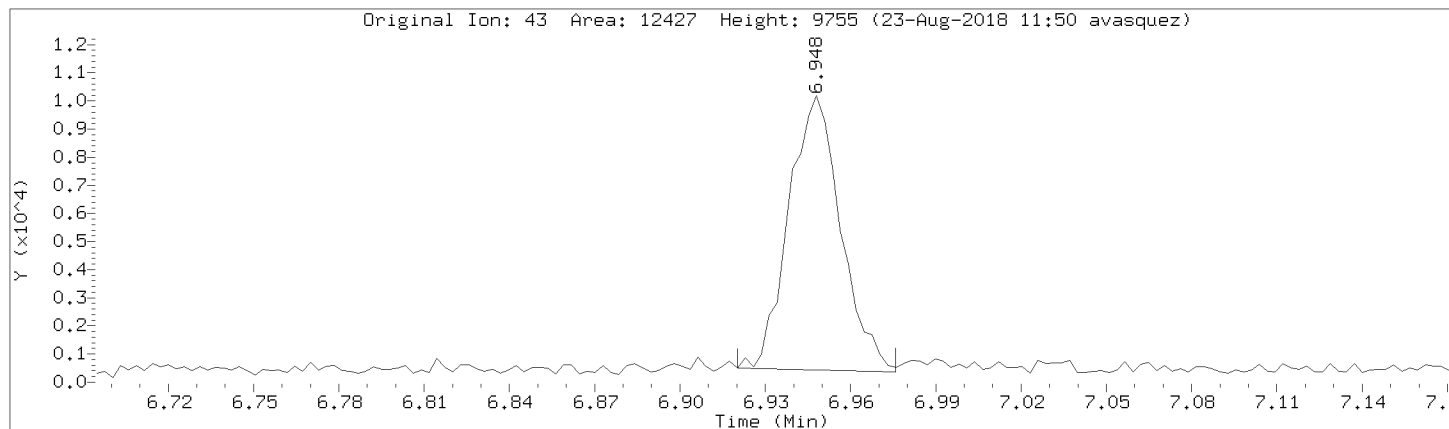
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Lab Sample ID: 8260-CAL3

Compound: 2-Hexanone

Review Code: BA

CAS Number: 591-78-6

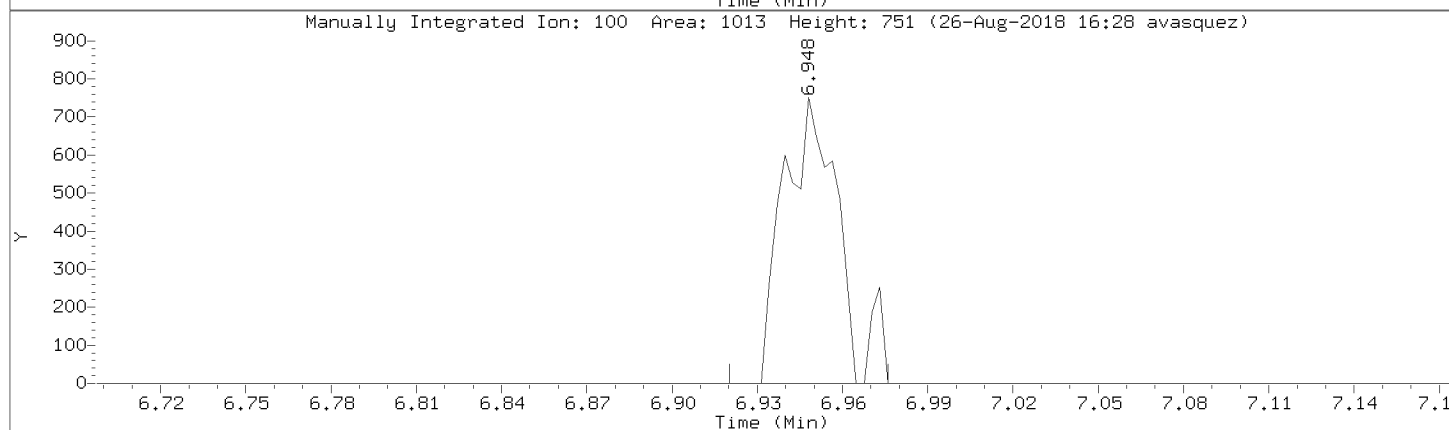
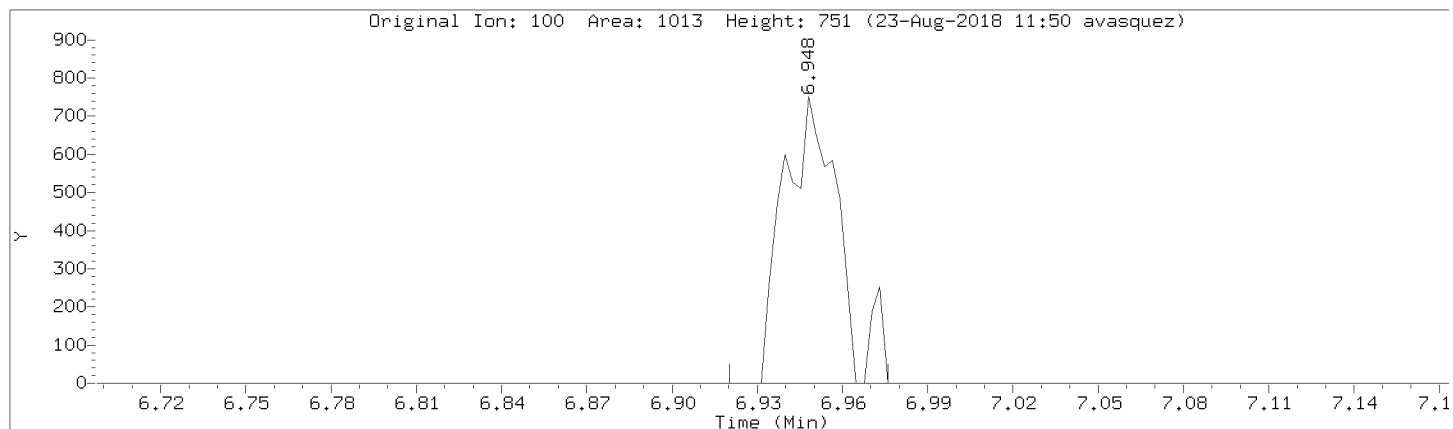


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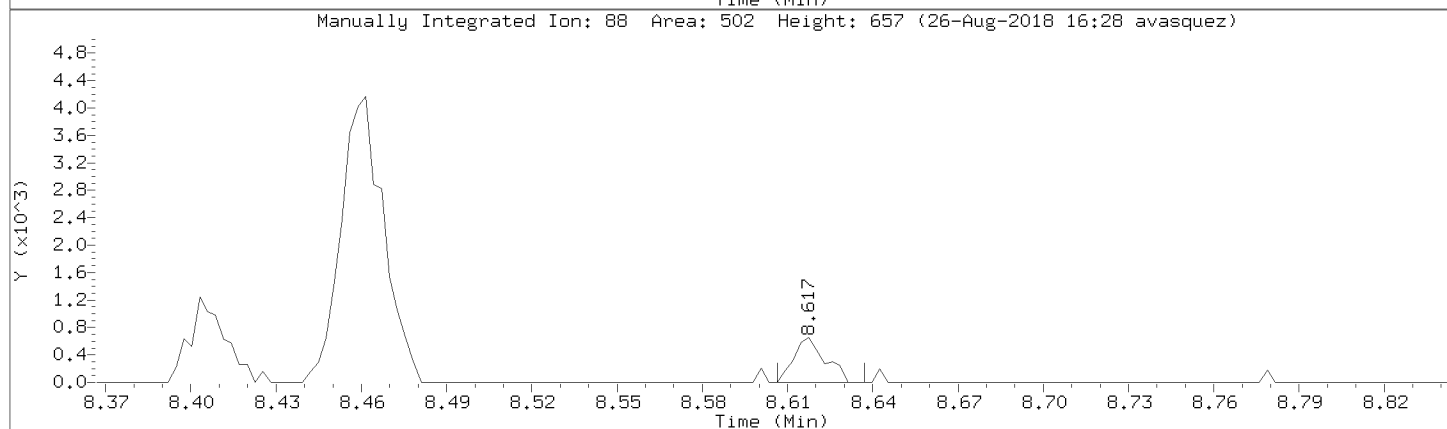
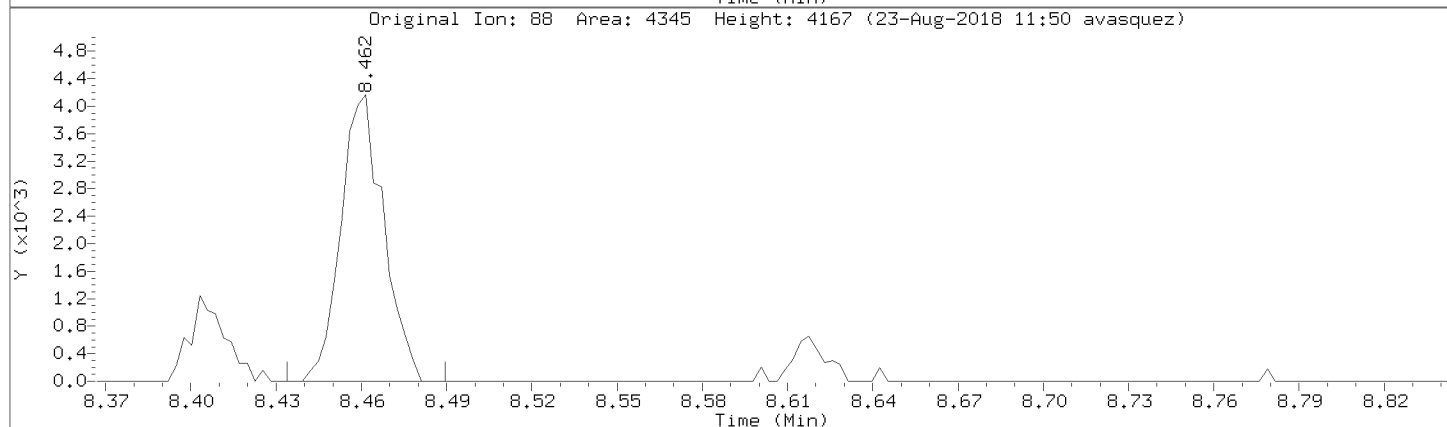
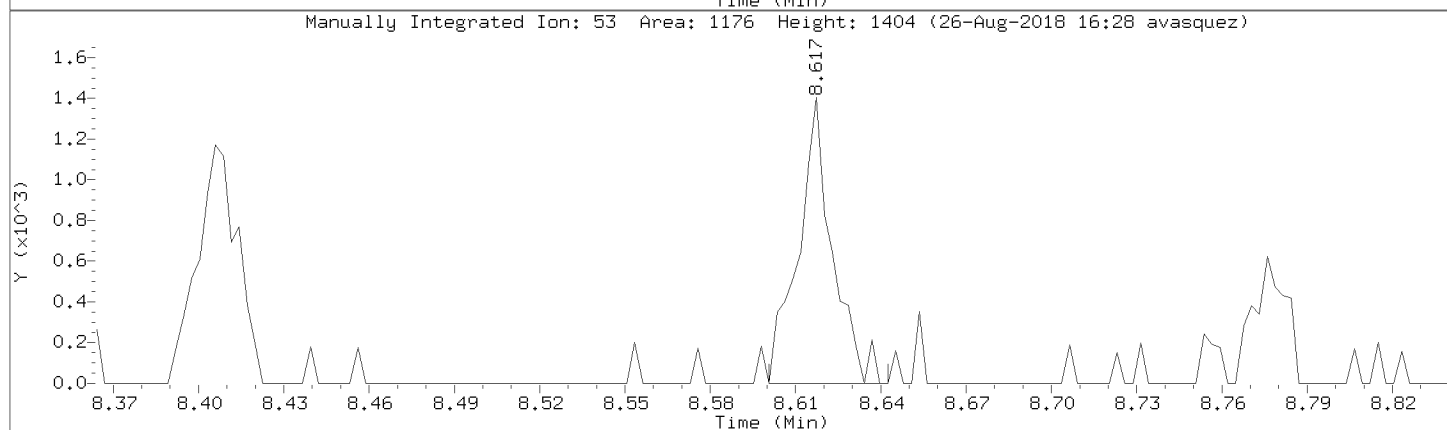
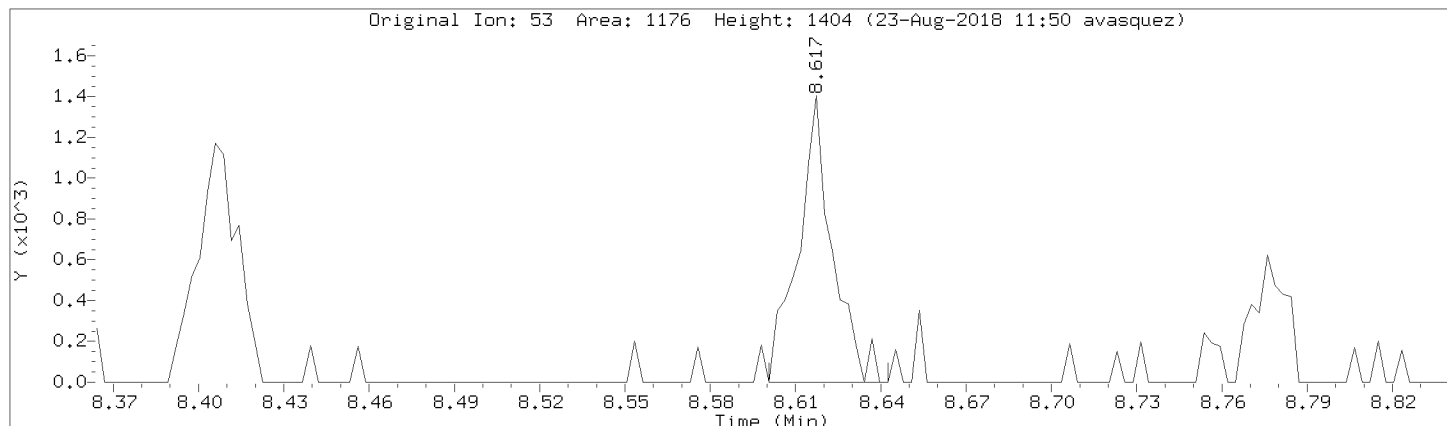
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Lab Sample ID: 8260-CAL3

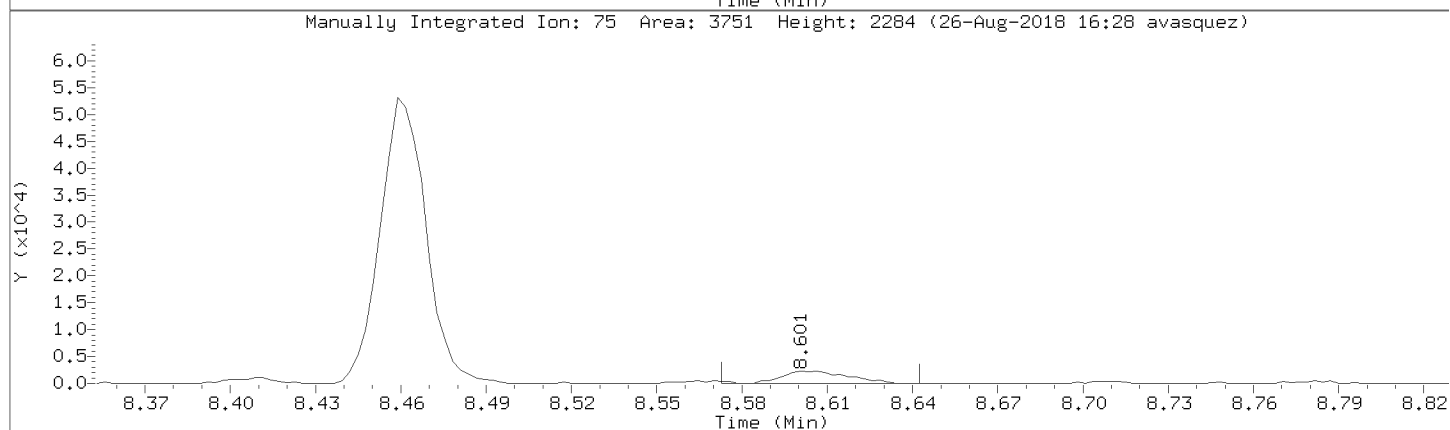
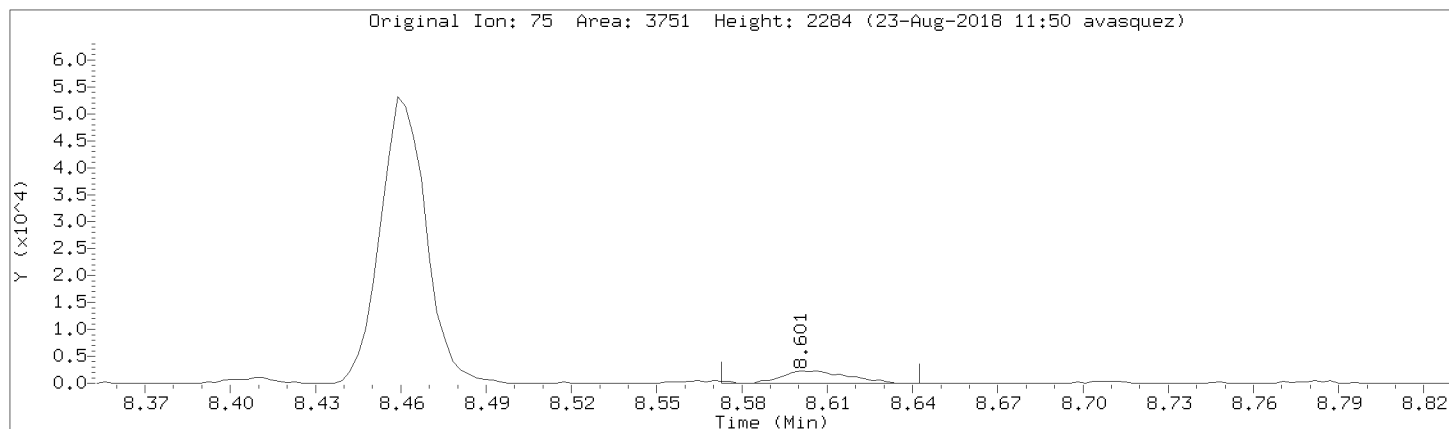


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Lab Sample ID: 8260-CAL3

Compound: trans-1,4-Dichloro-2-butene Review Code: NI
CAS Number:

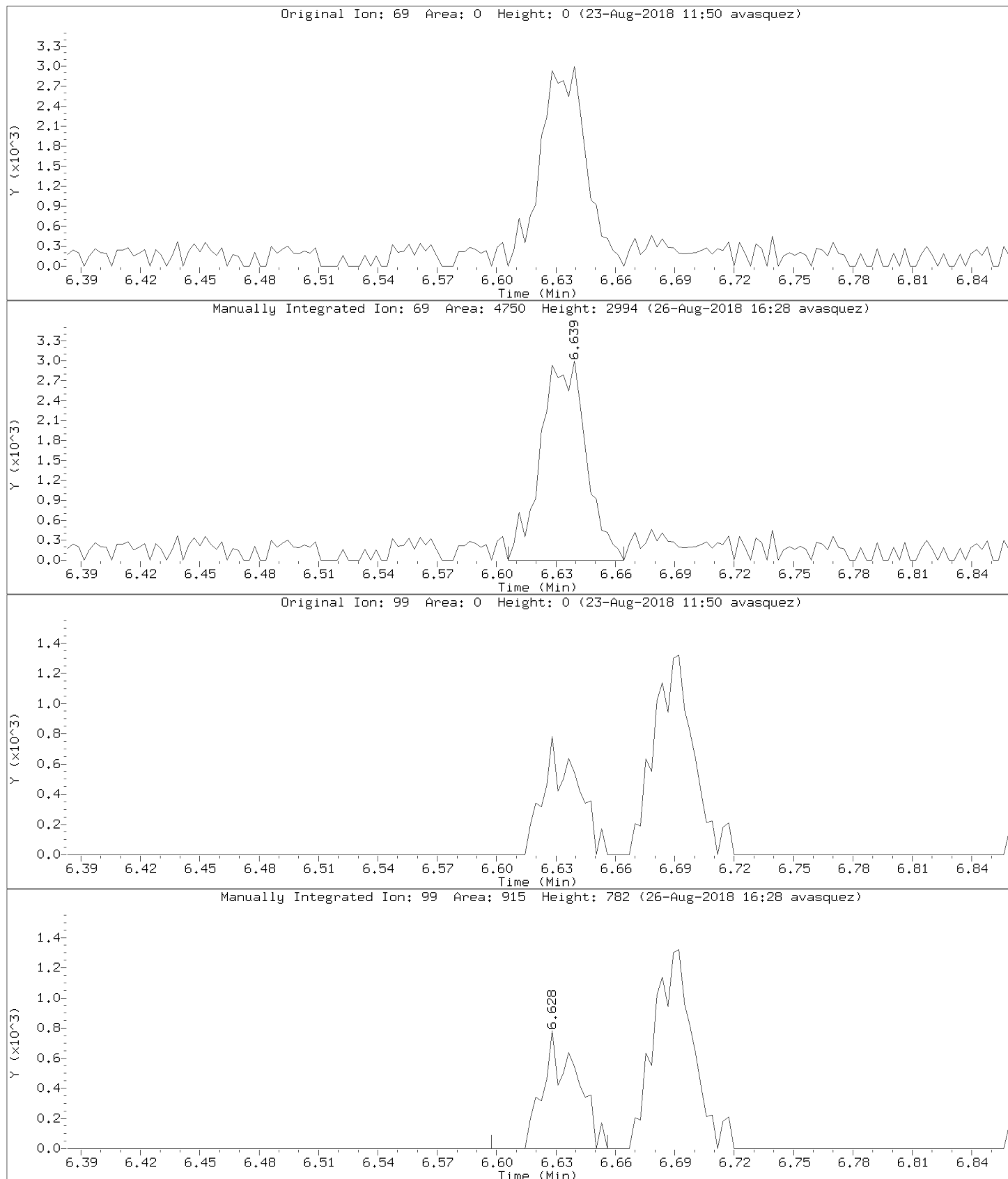


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Lab Sample ID: 8260-CAL3

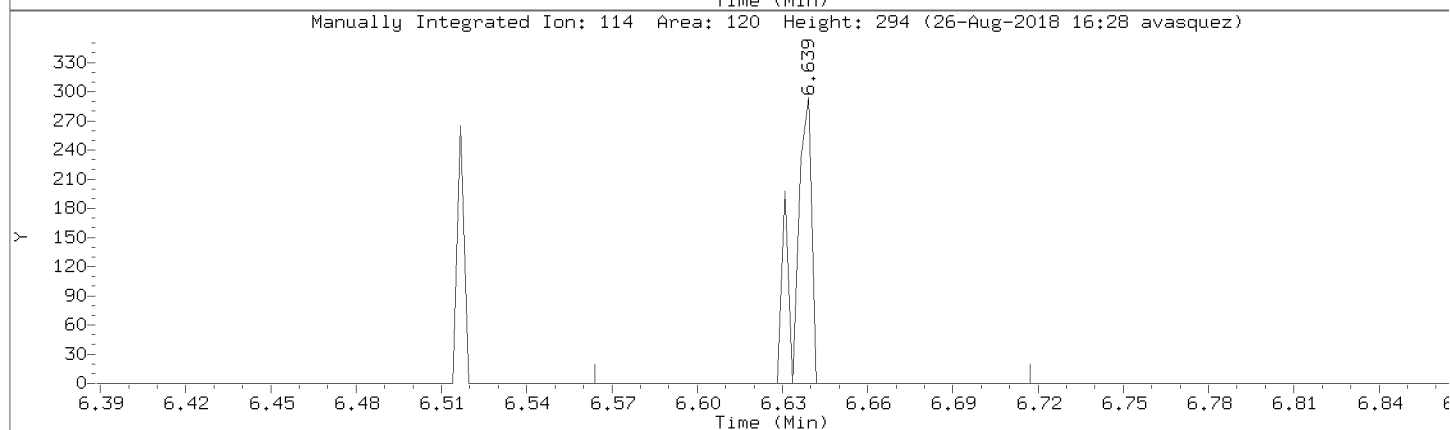
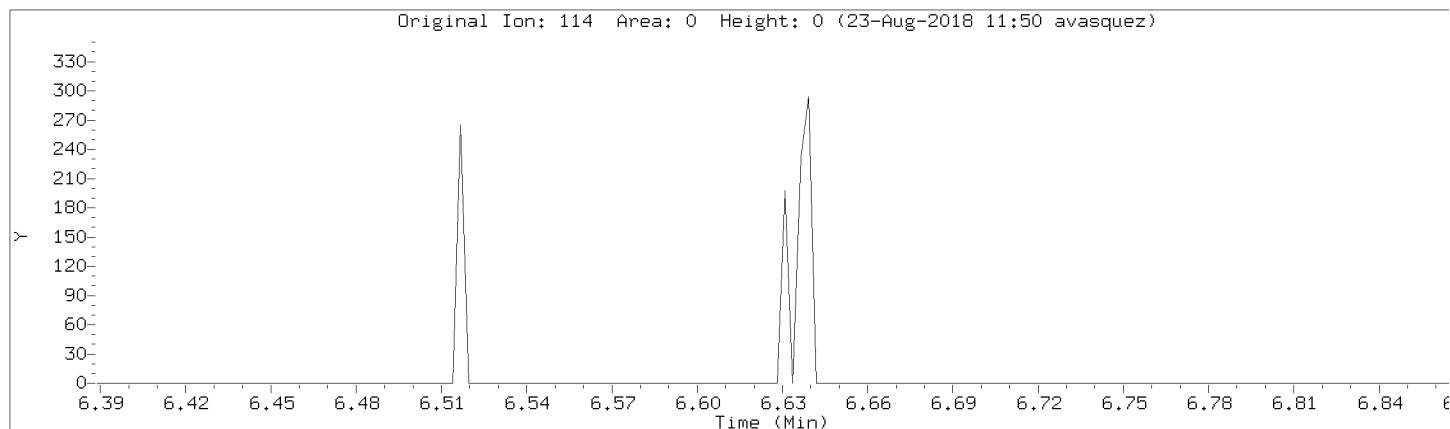


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Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

Compound: Ethyl Methacrylate Review Code: NI
CAS Number:



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d
Injection Date: 22-AUG-2018 15:24
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Lab Sample ID: 8260-CAL3



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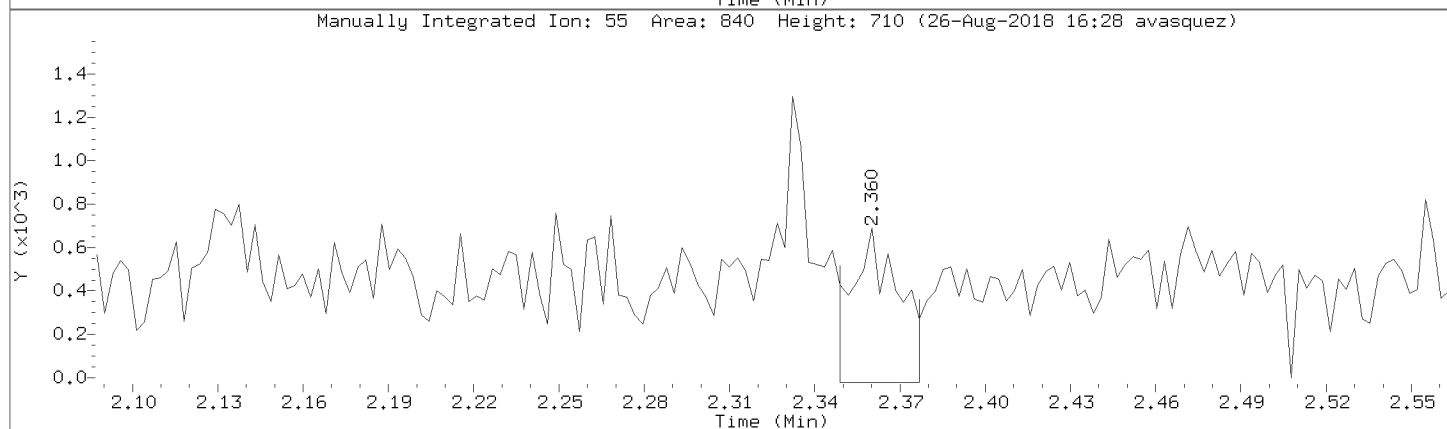
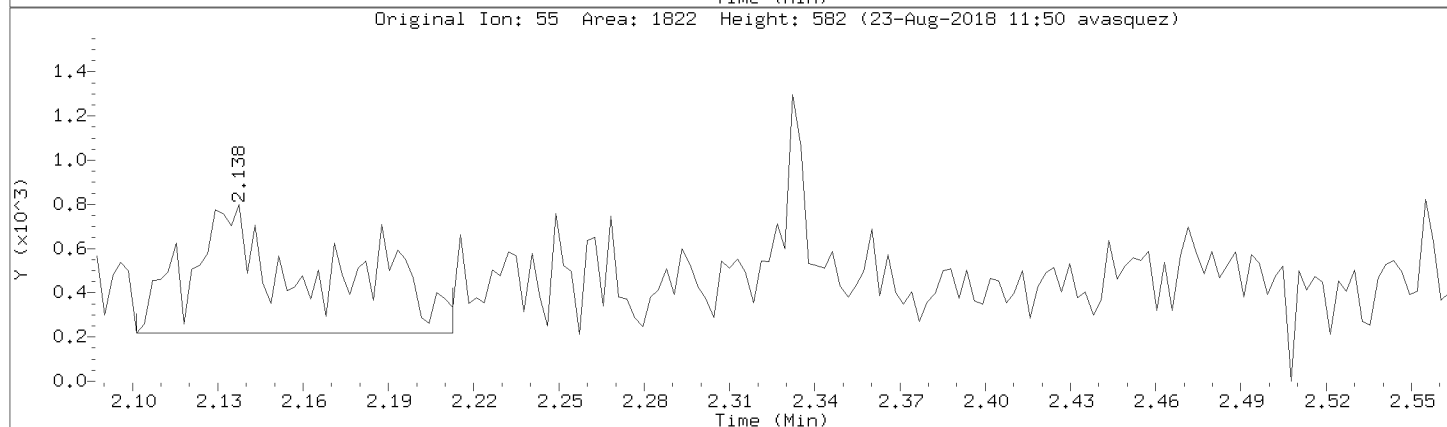
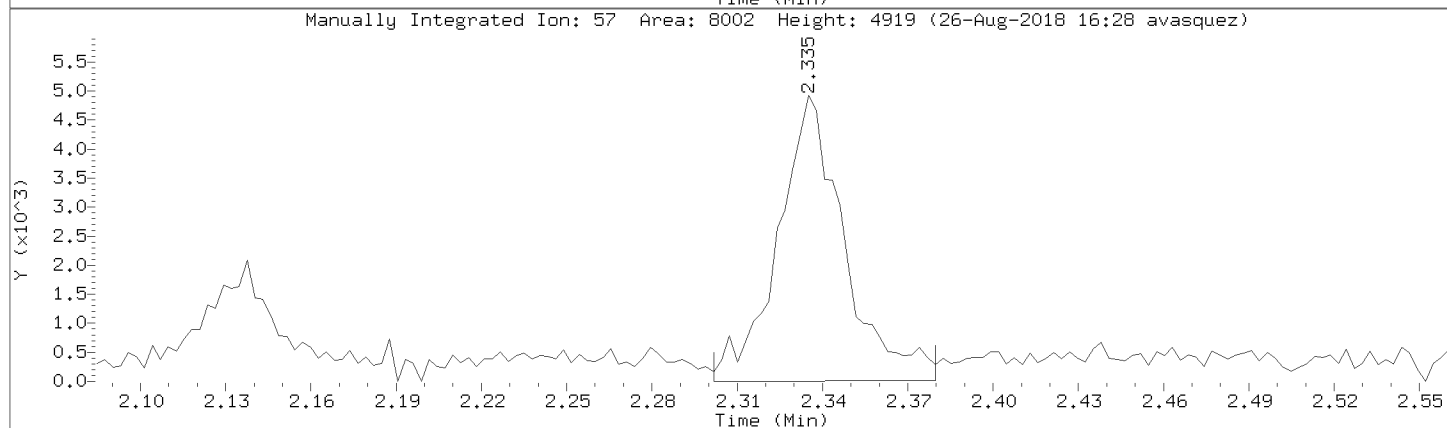
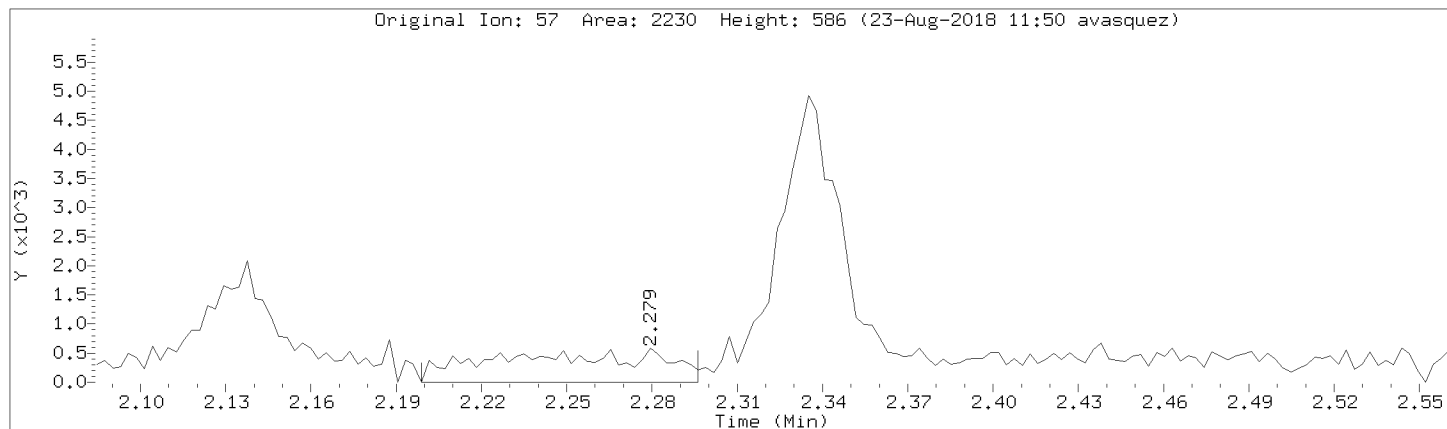
Injection Date: 22-AUG-2018 15:24

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: n-Hexane Review Code: NI

CAS Number:



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Injection Date: 22-AUG-2018 15:24

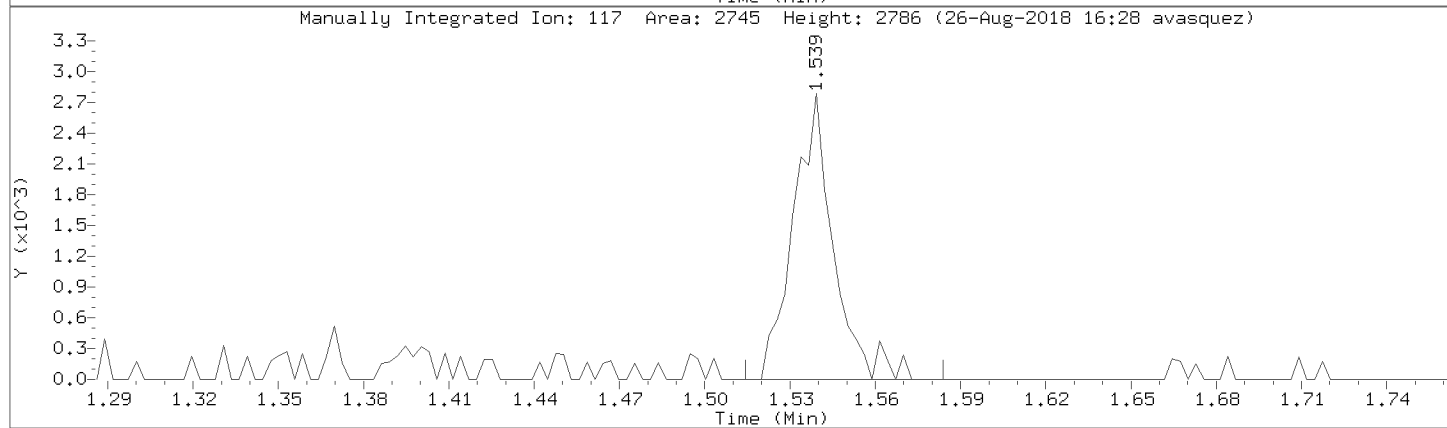
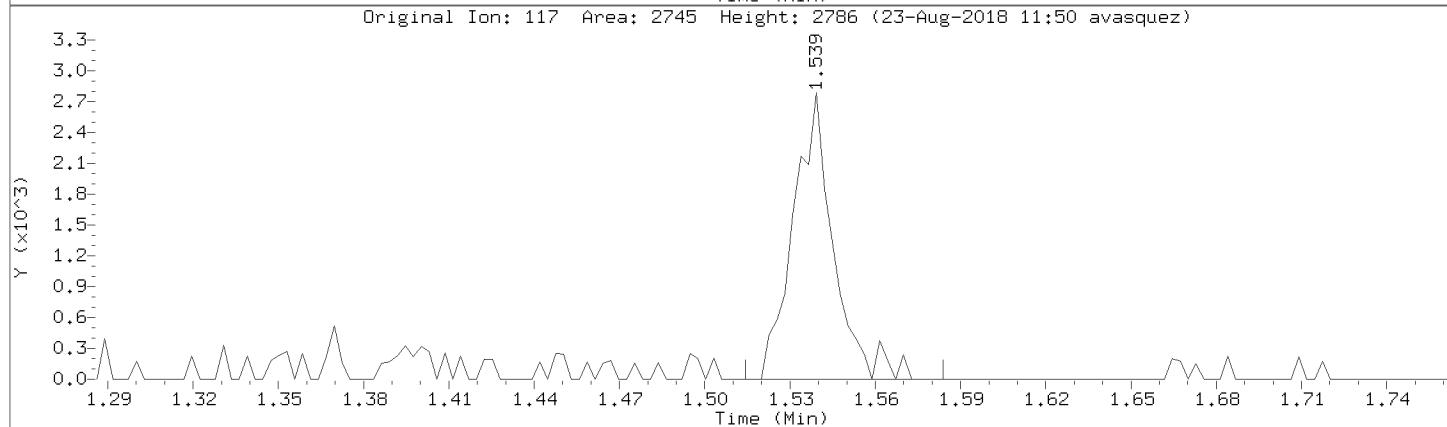
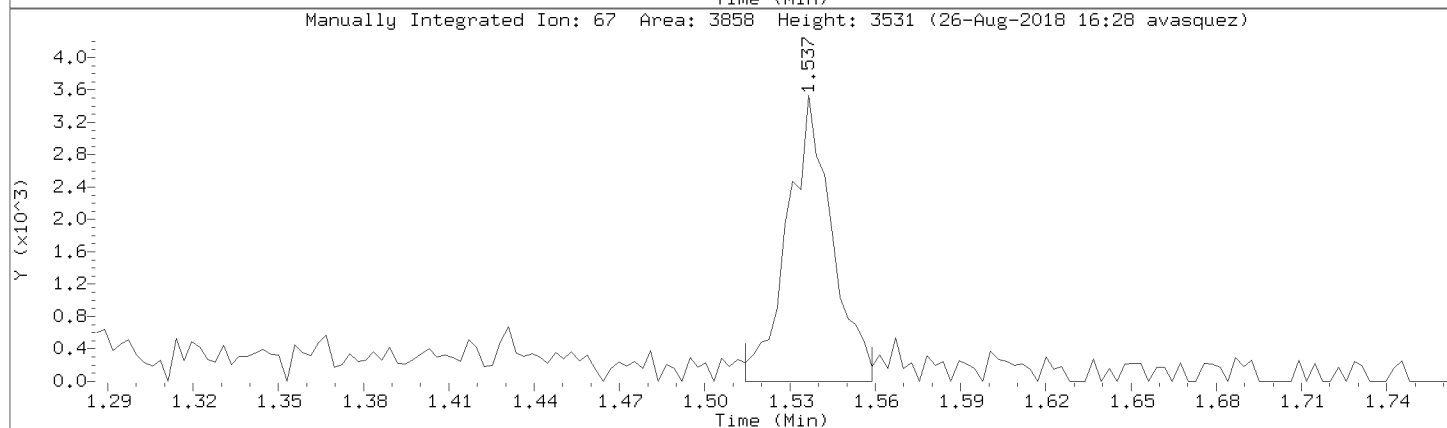
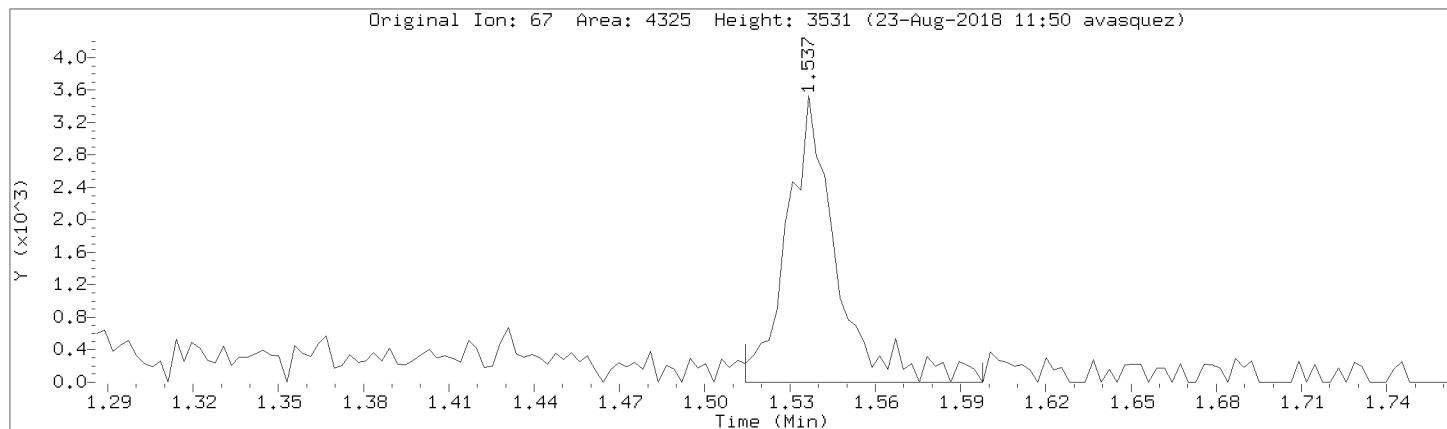
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: 1,2-dichlorotrifluoroethane

Review Code: GT

CAS Number: 354-23-4

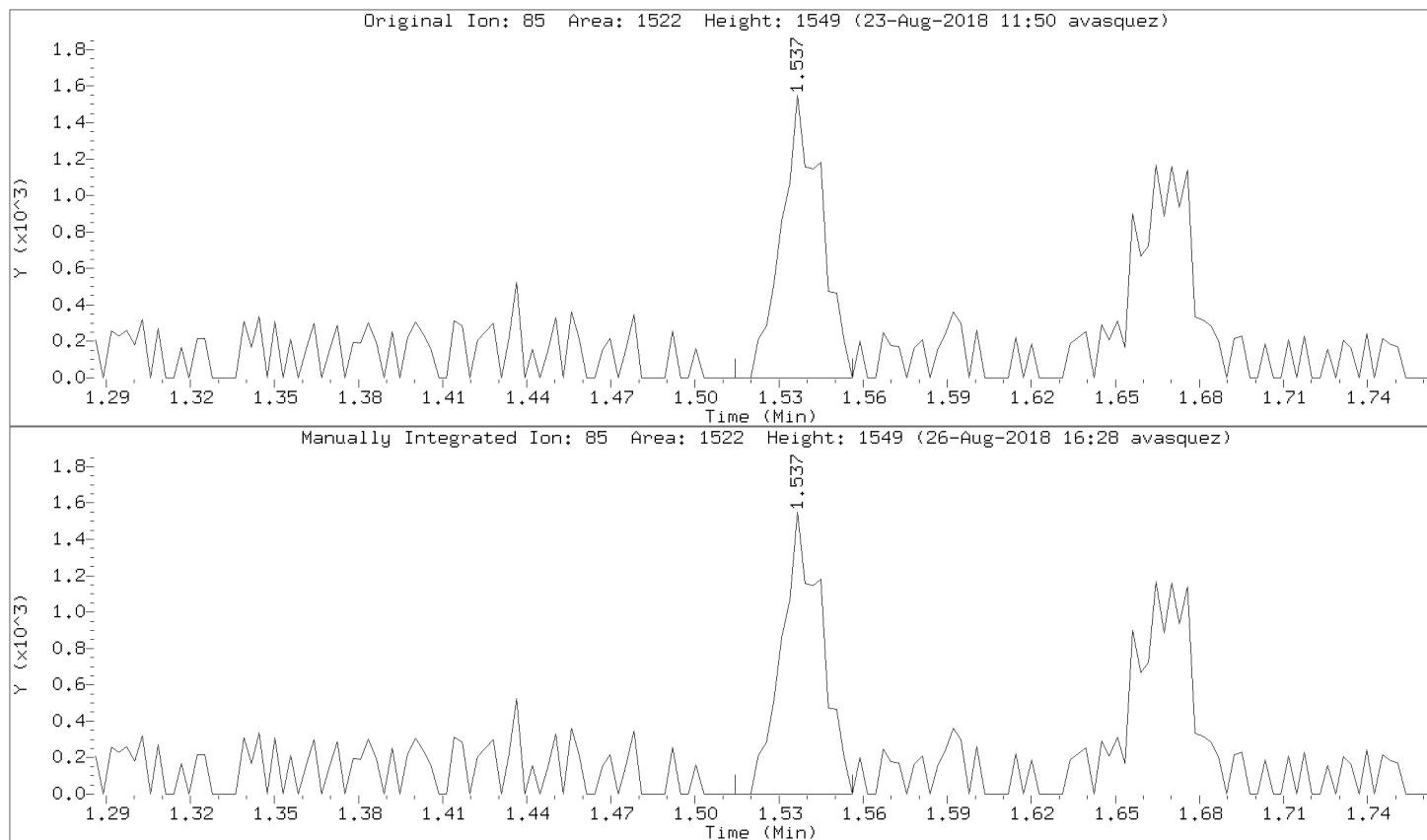


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Injection Date: 22-AUG-2018 15:24

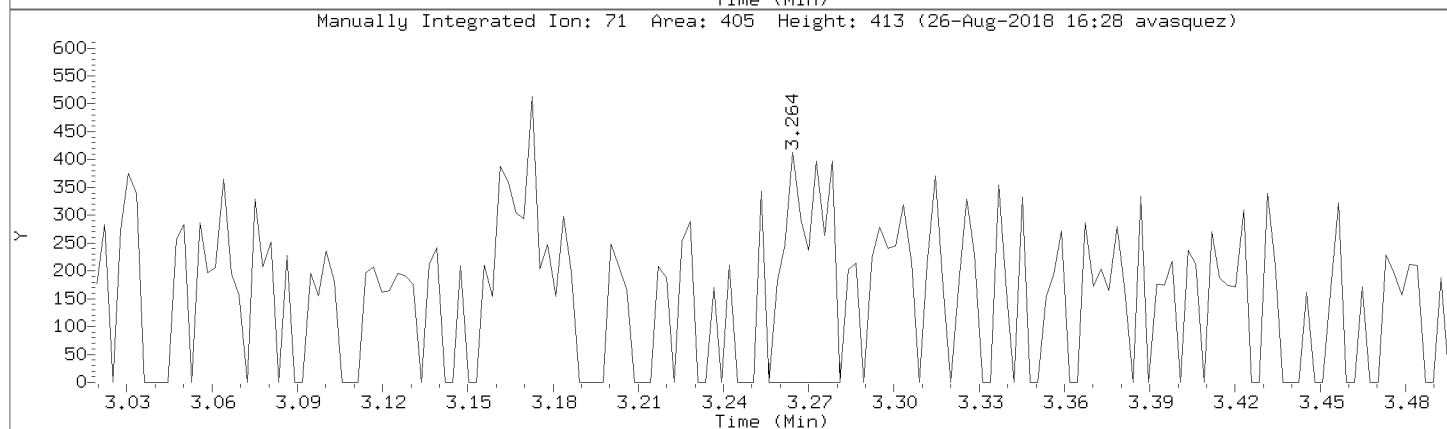
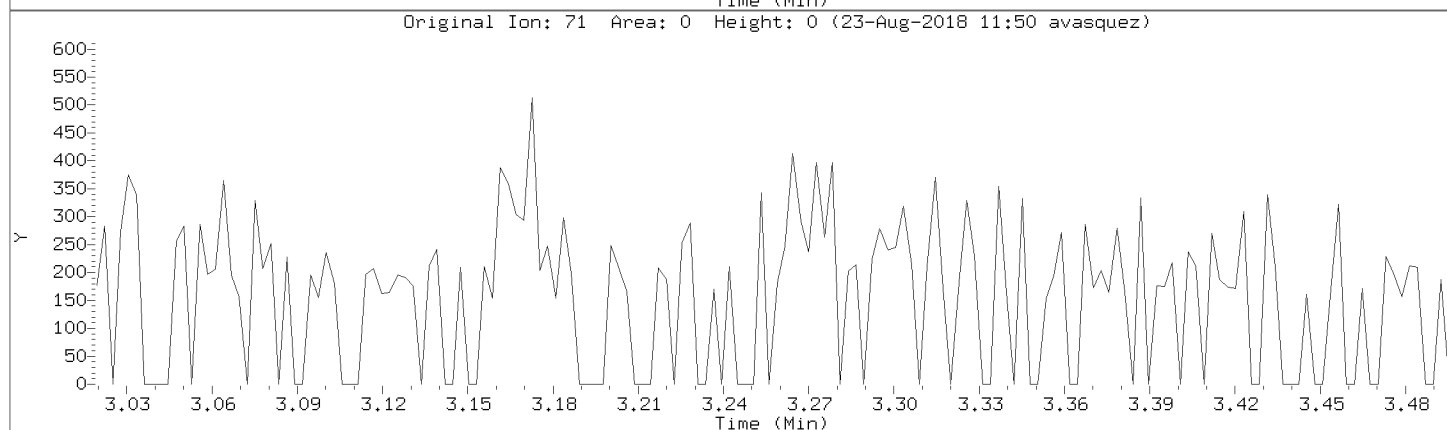
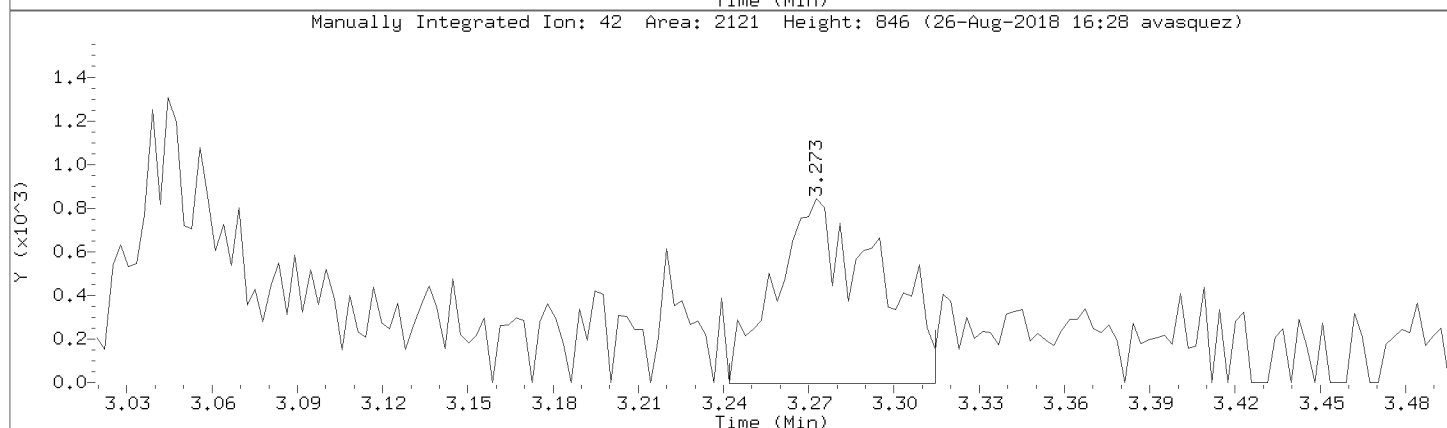
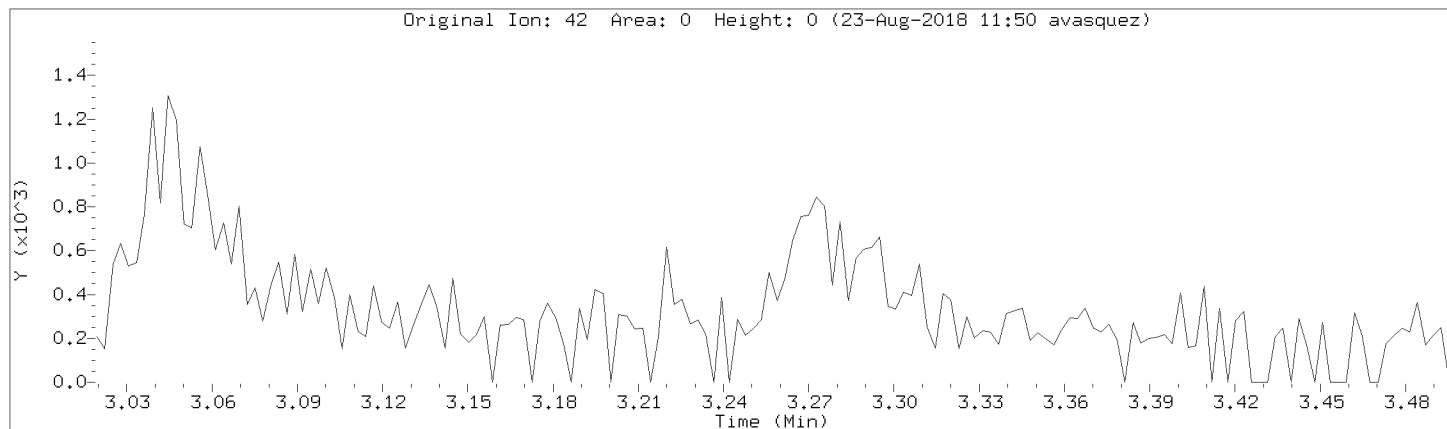
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

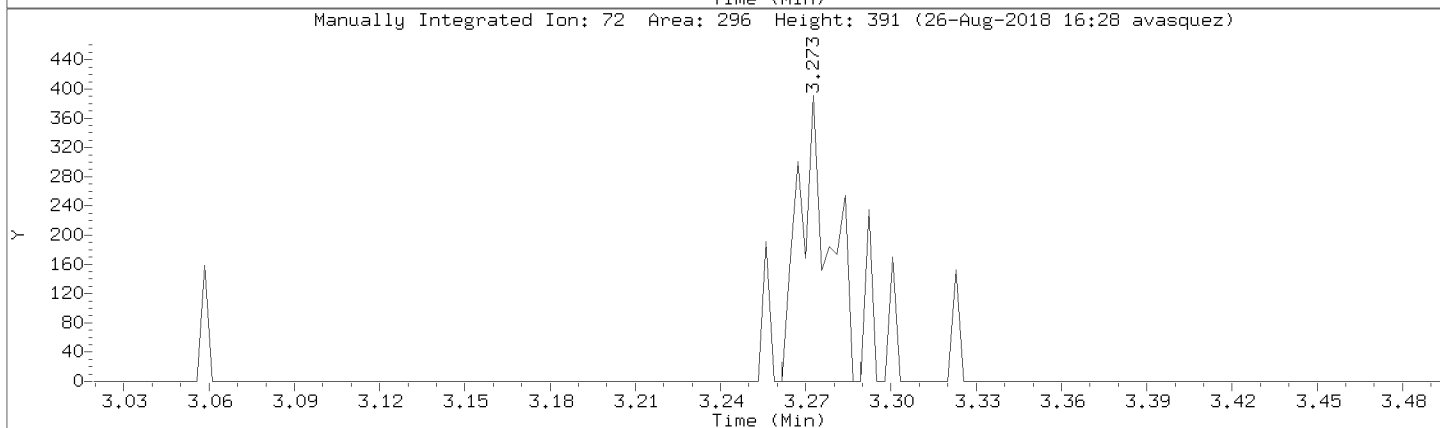
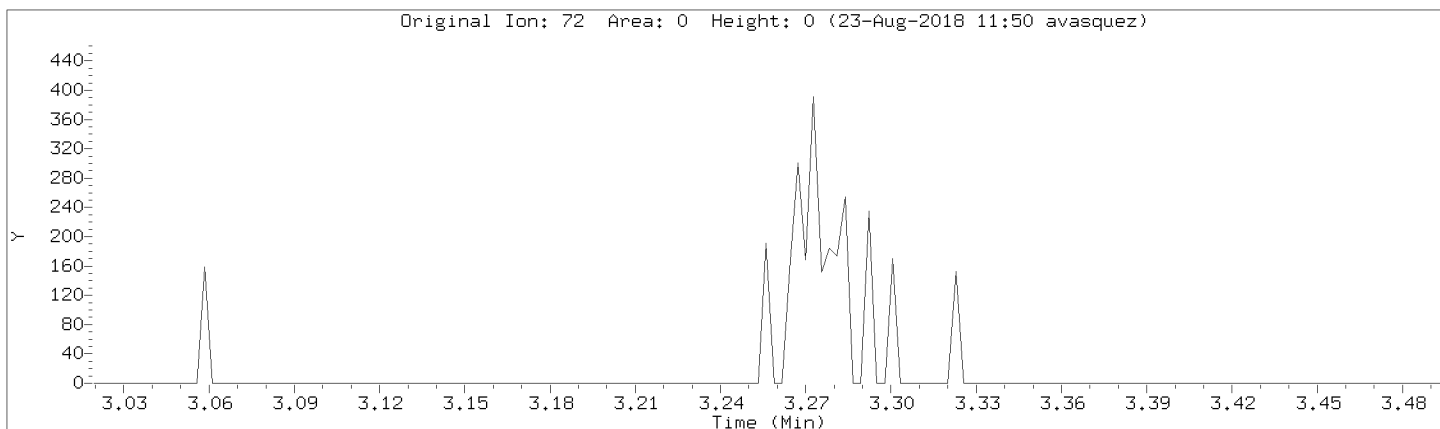


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Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

Compound: Tetrahydrofuran Review Code: NI
CAS Number:



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d
Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3



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Injection Date: 22-AUG-2018 15:24

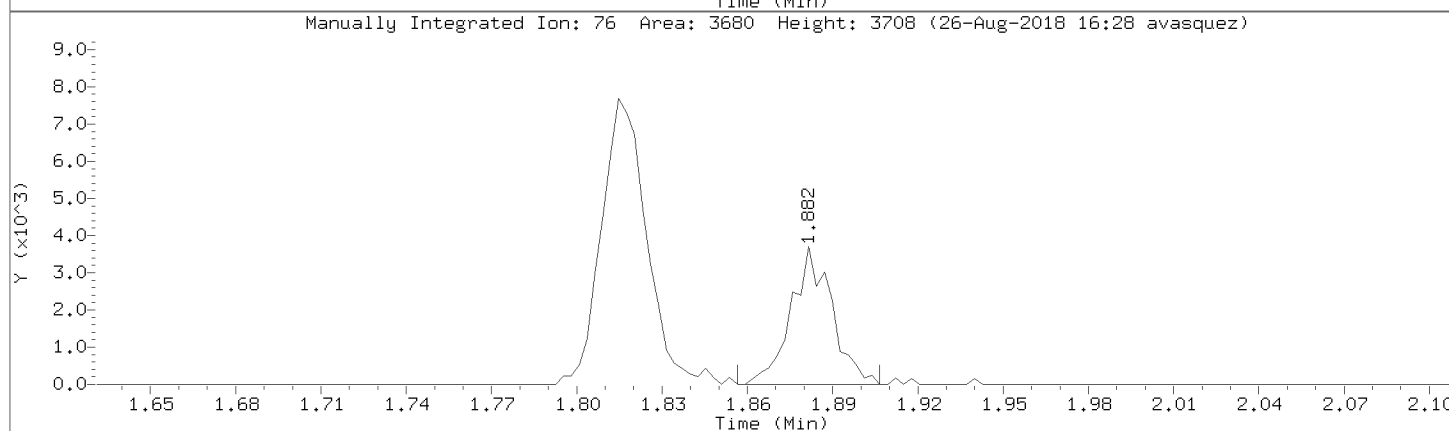
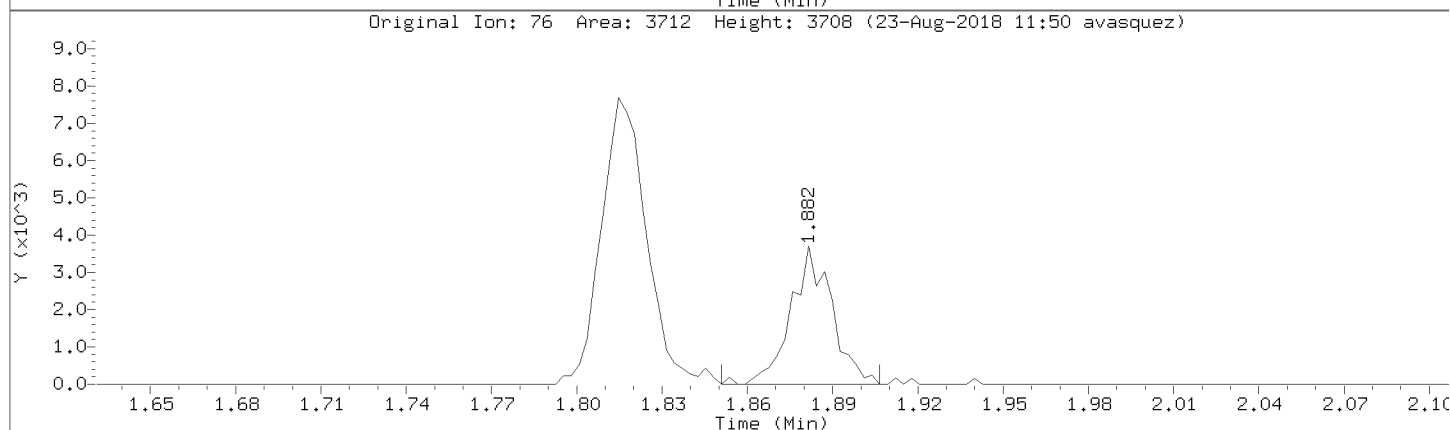
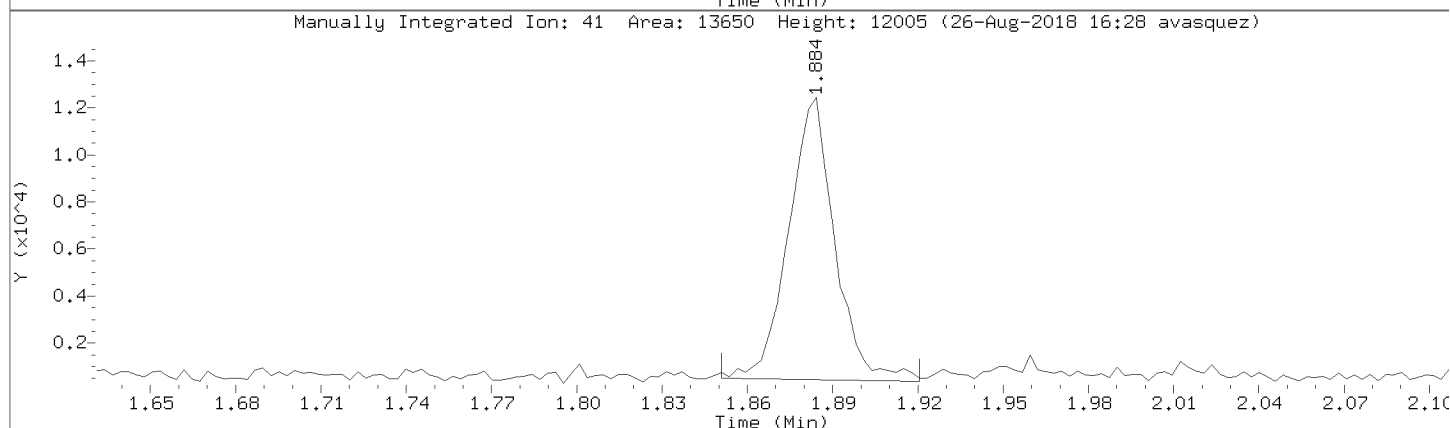
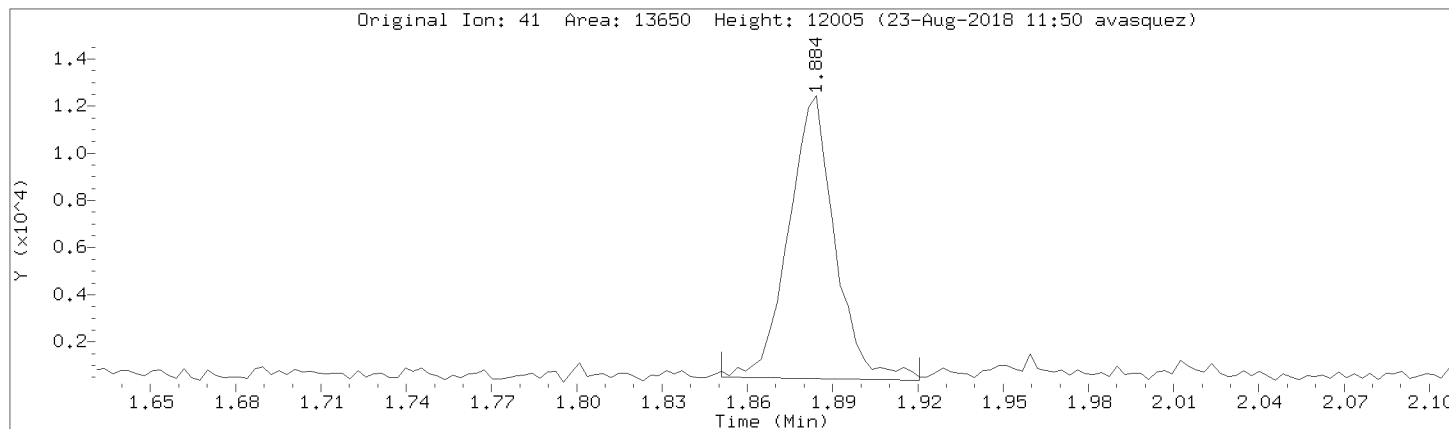
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: allyl chloride

Review Code: NI

CAS Number: 107-05-1



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Injection Date: 22-AUG-2018 15:24

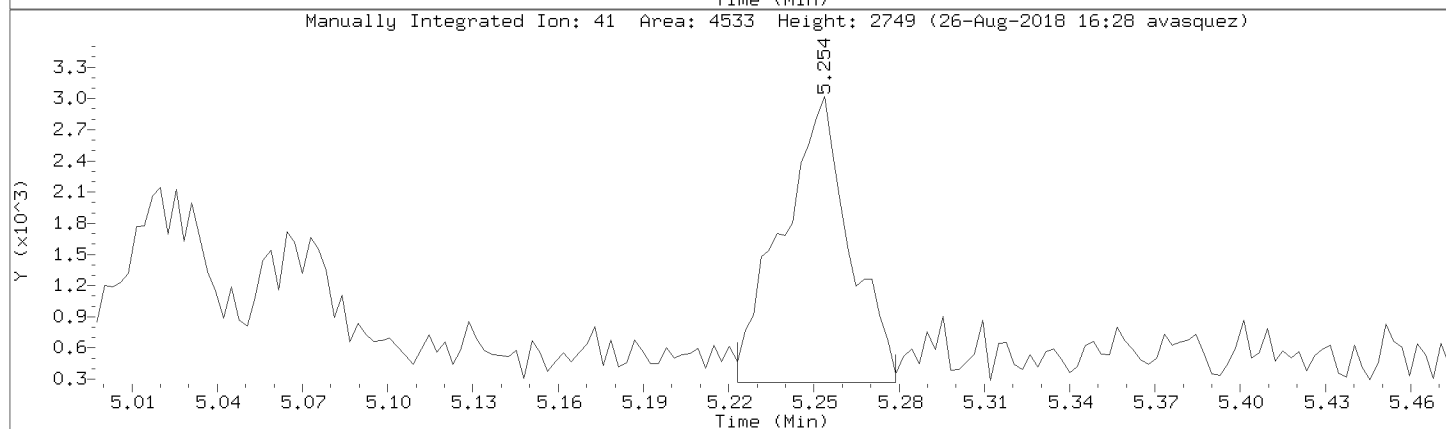
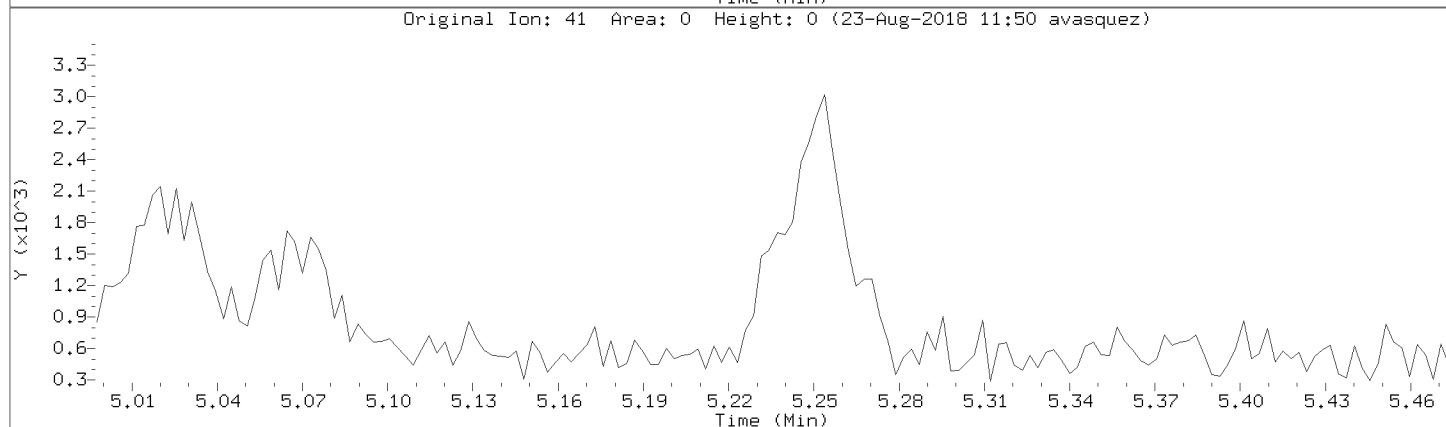
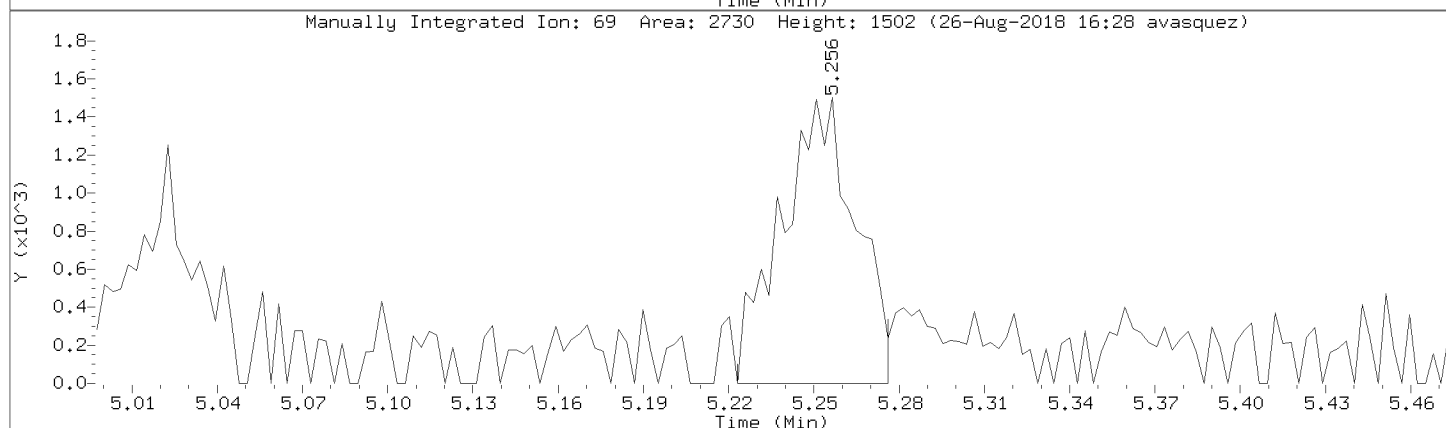
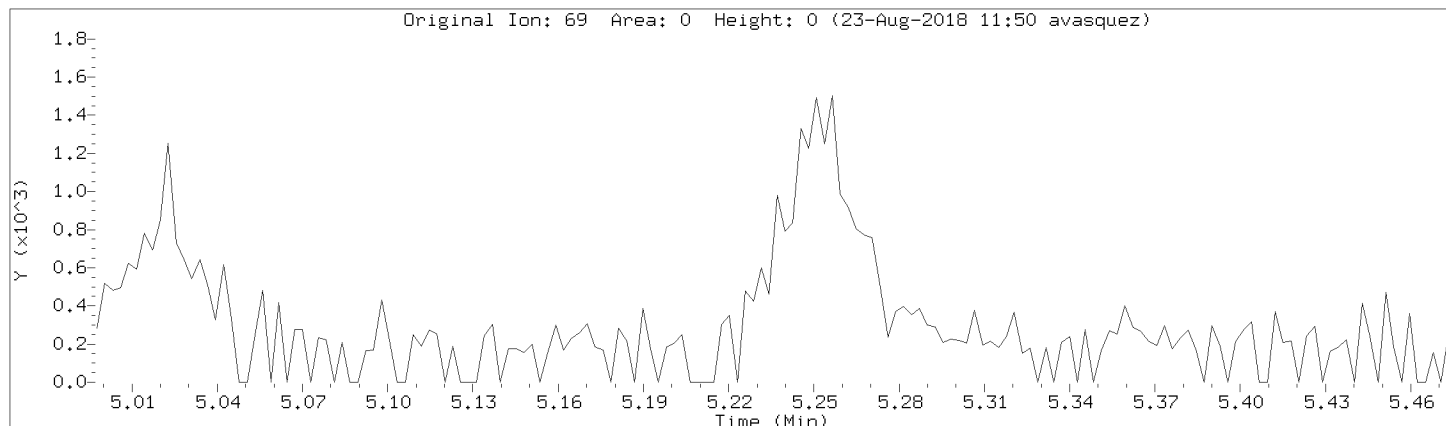
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

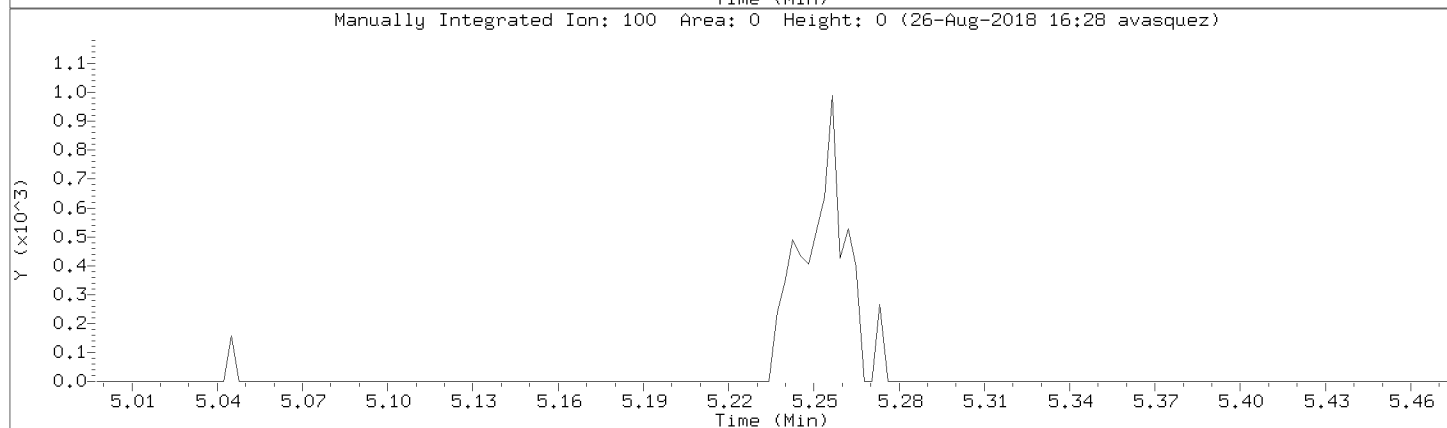
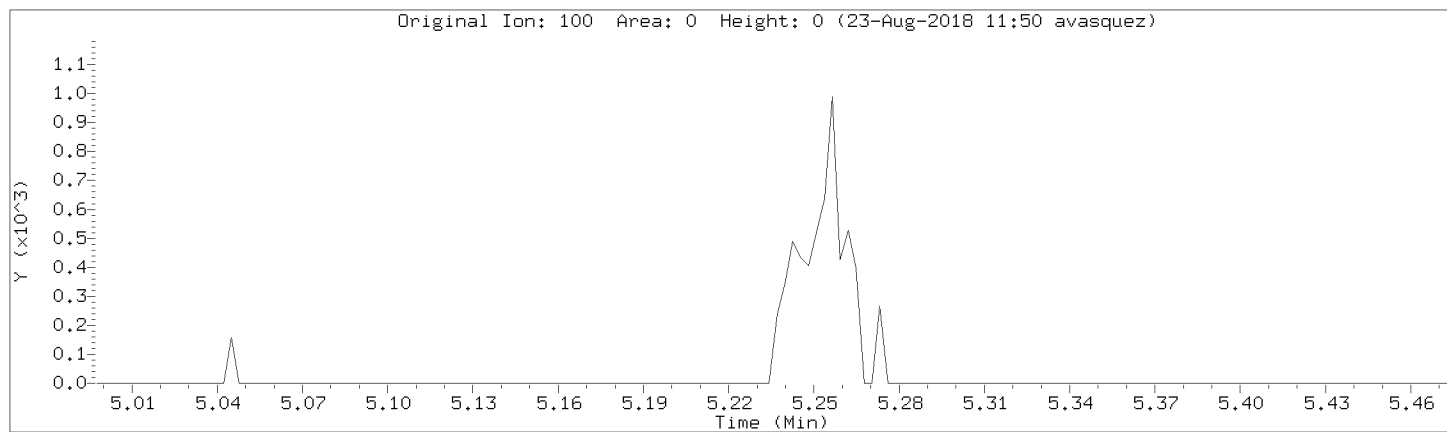
Compound: Methyl methacrylate

Review Code: NI

CAS Number: 80-62-6

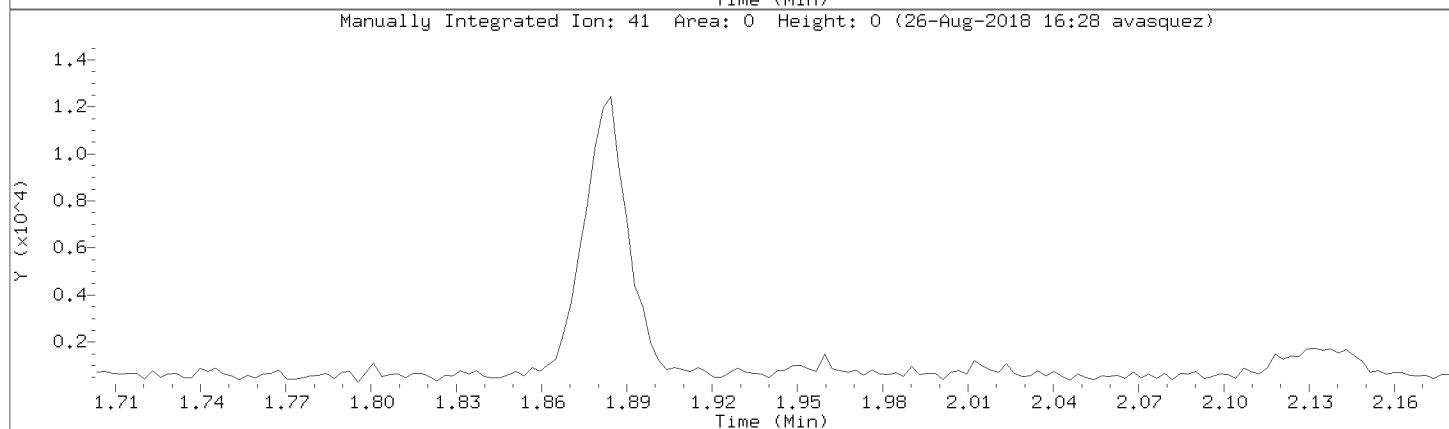
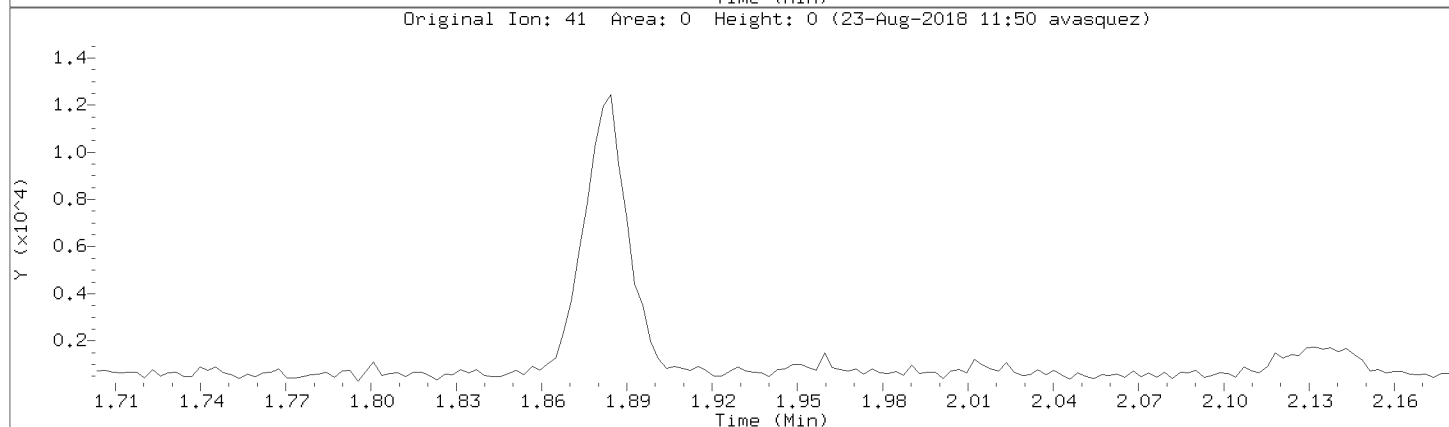
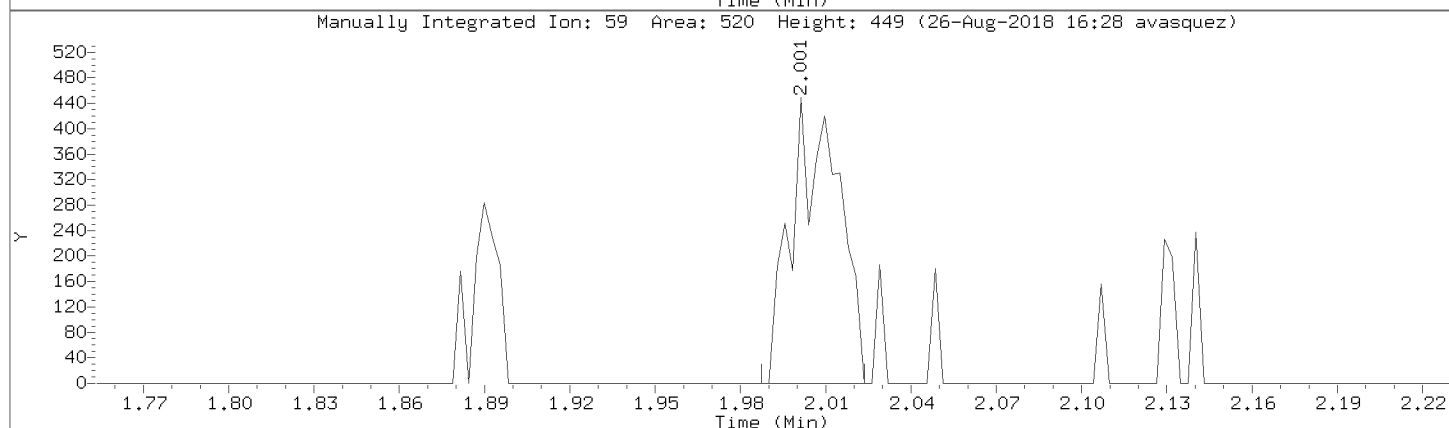
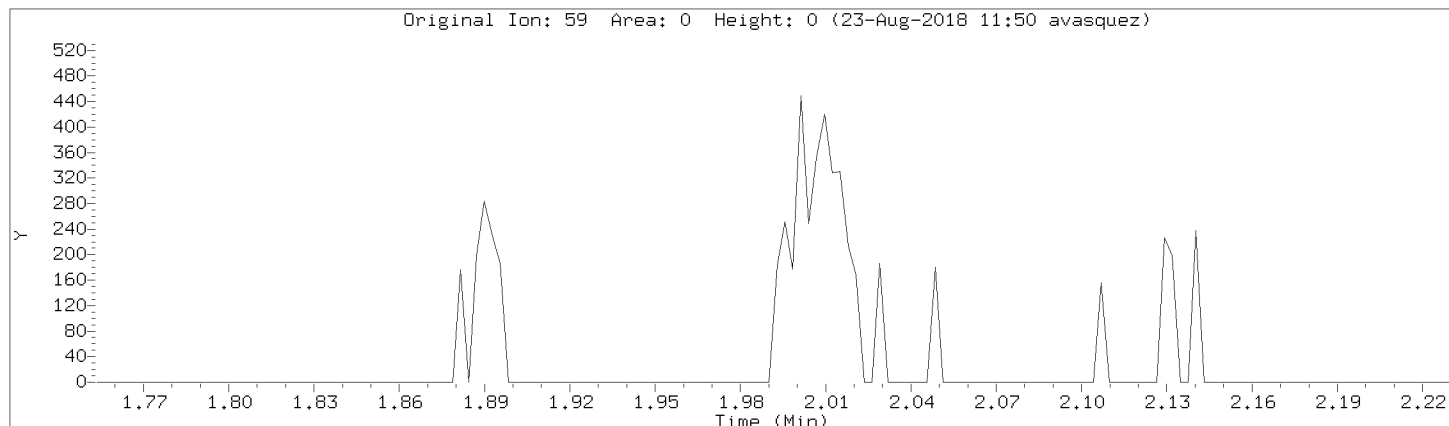


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Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d
Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

Compound: tert-Butyl Alcohol Review Code: NI
CAS Number: 75-65-0



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\04cal.d

Injection Date: 22-AUG-2018 15:24

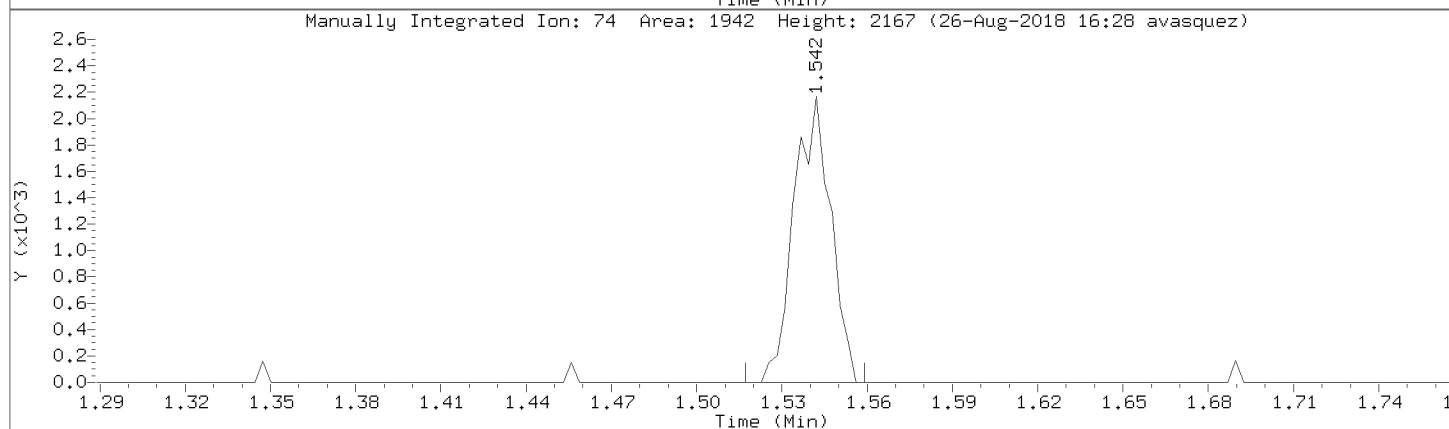
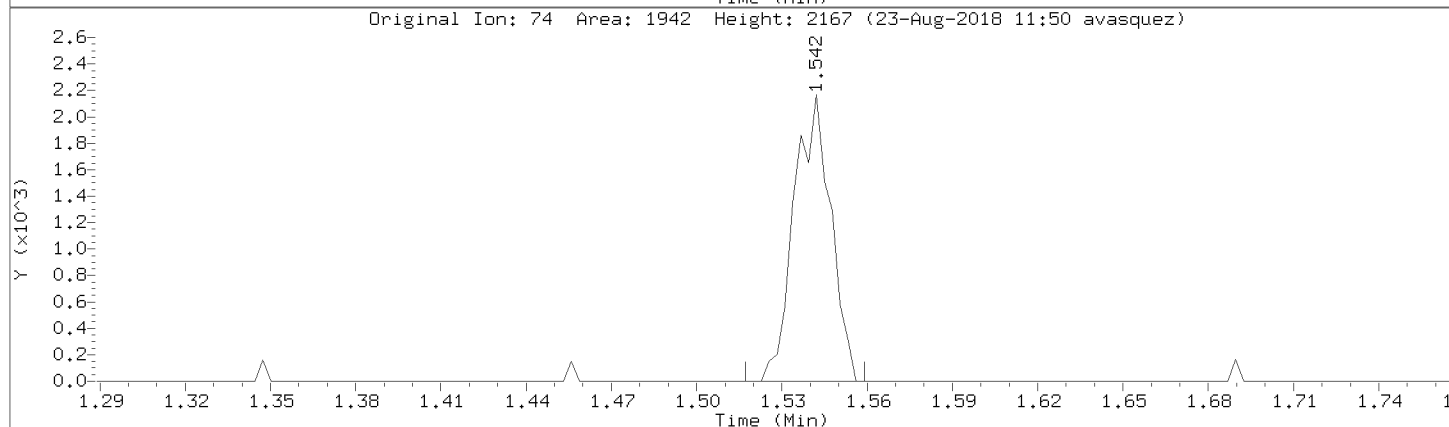
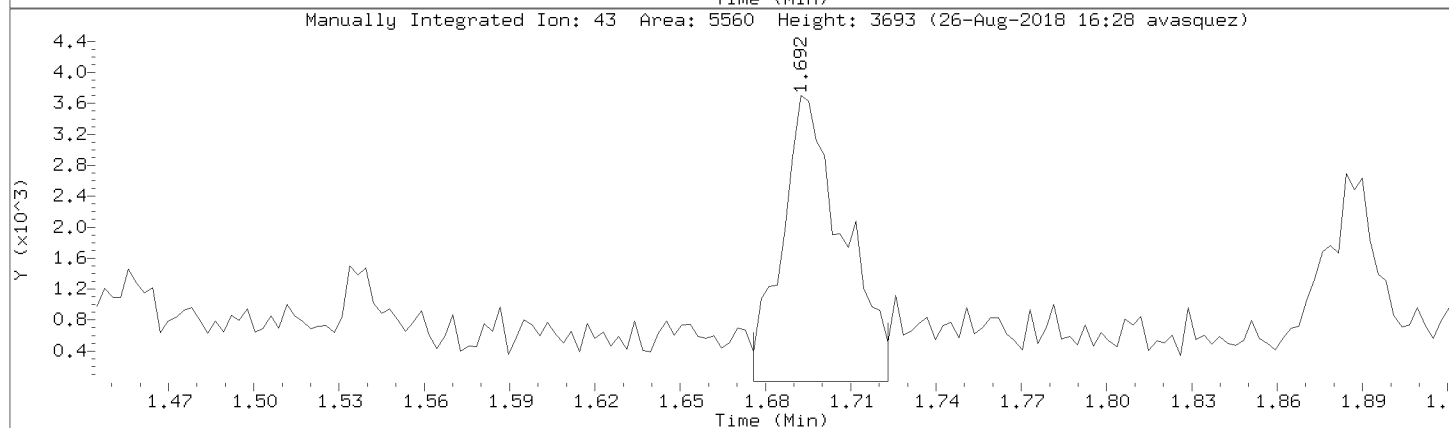
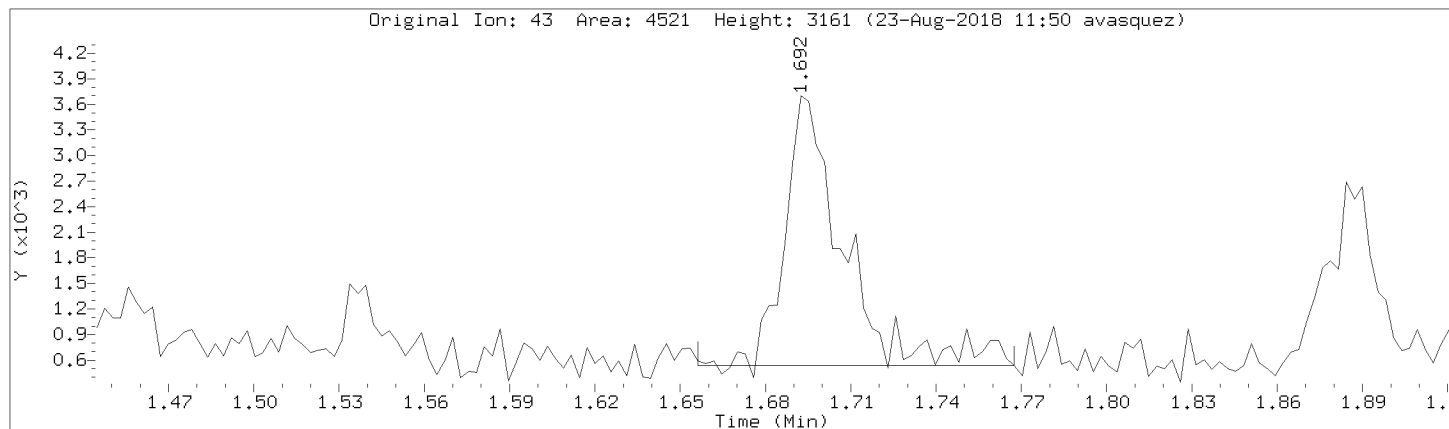
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: Methyl Acetate

Review Code: NI

CAS Number: 79-20-9



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d

Injection Date: 22-AUG-2018 15:24

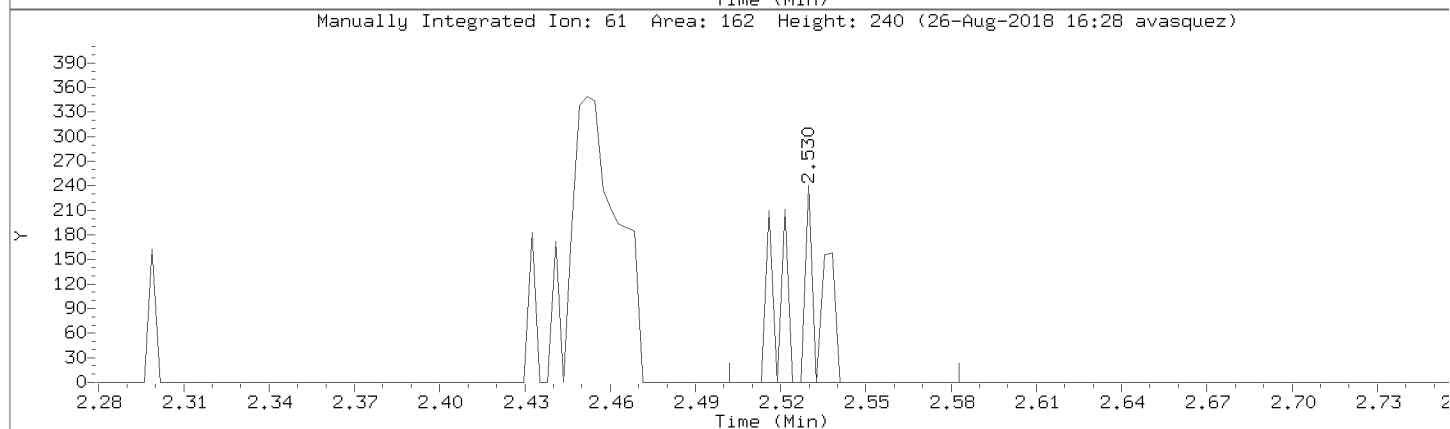
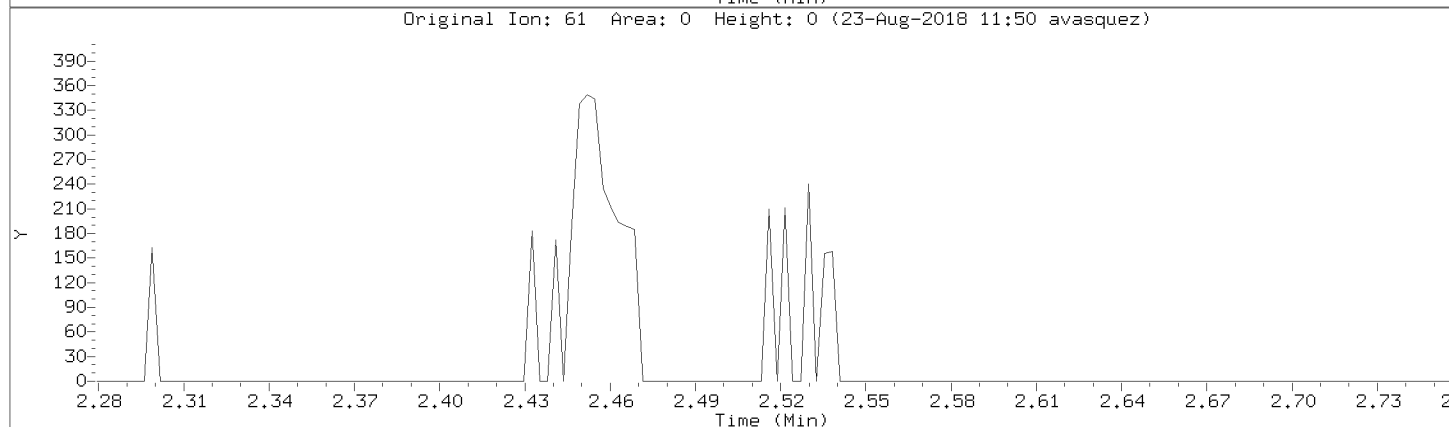
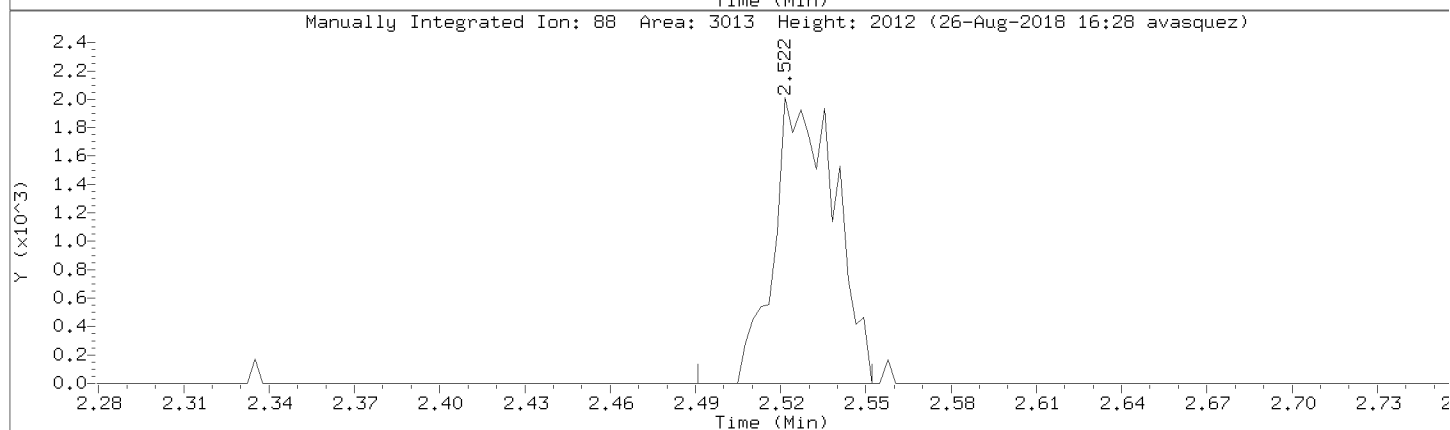
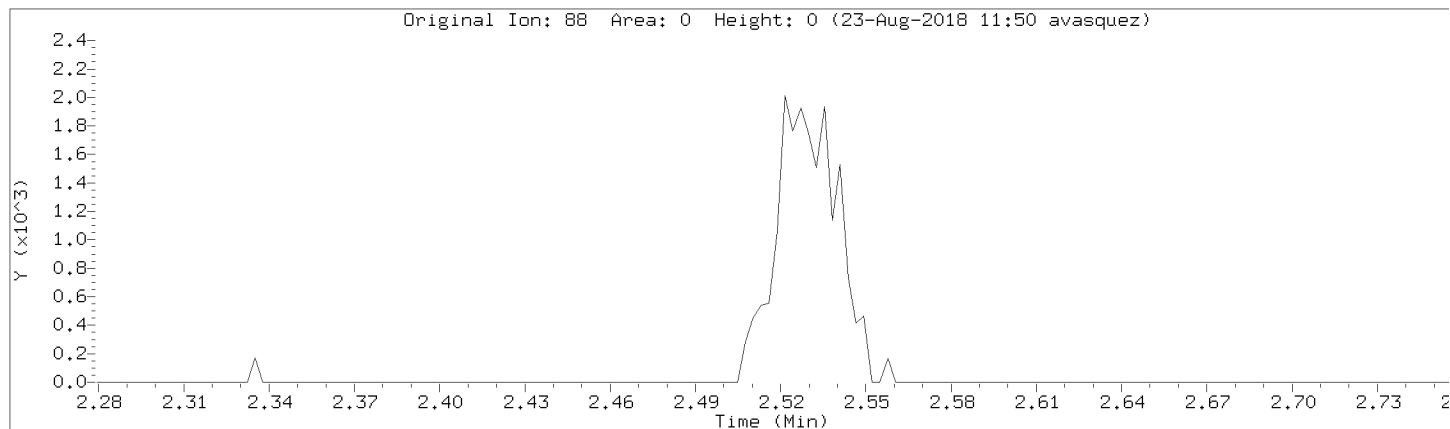
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

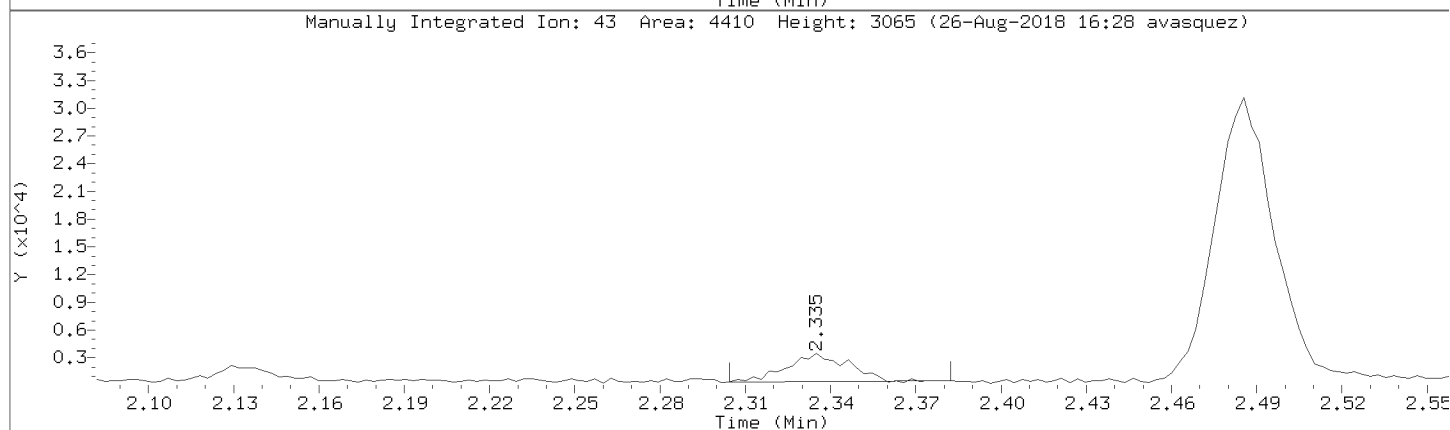
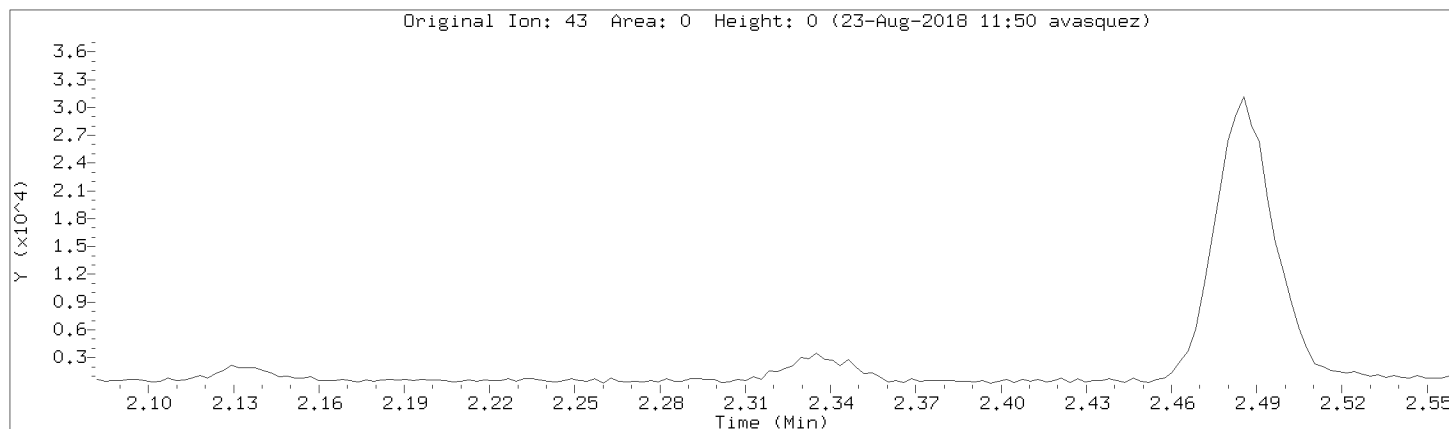
Compound: Ethyl acetate

Review Code: NI

CAS Number: 141-78-6



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d
Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3



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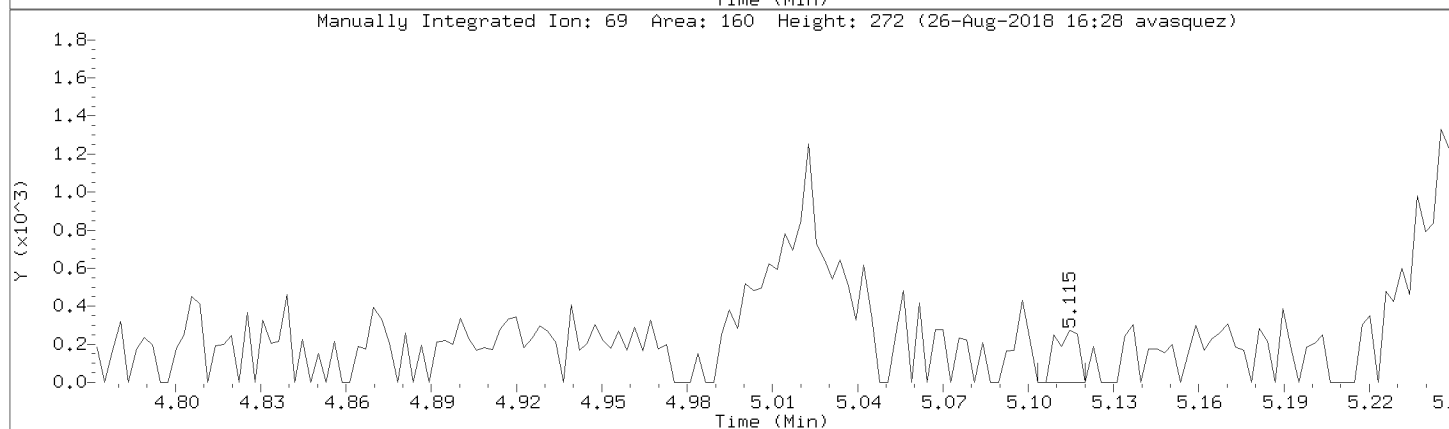
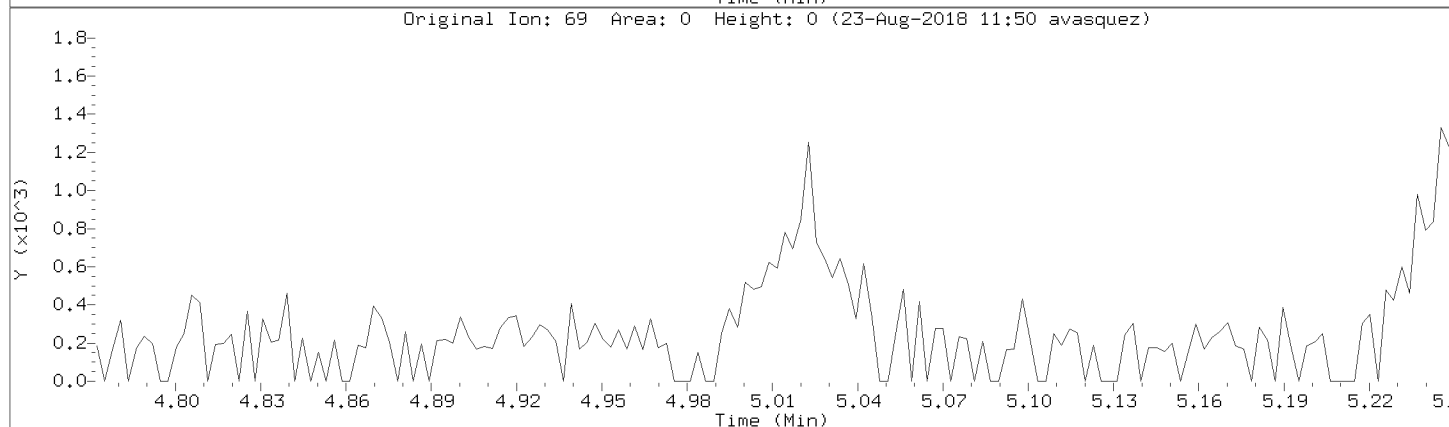
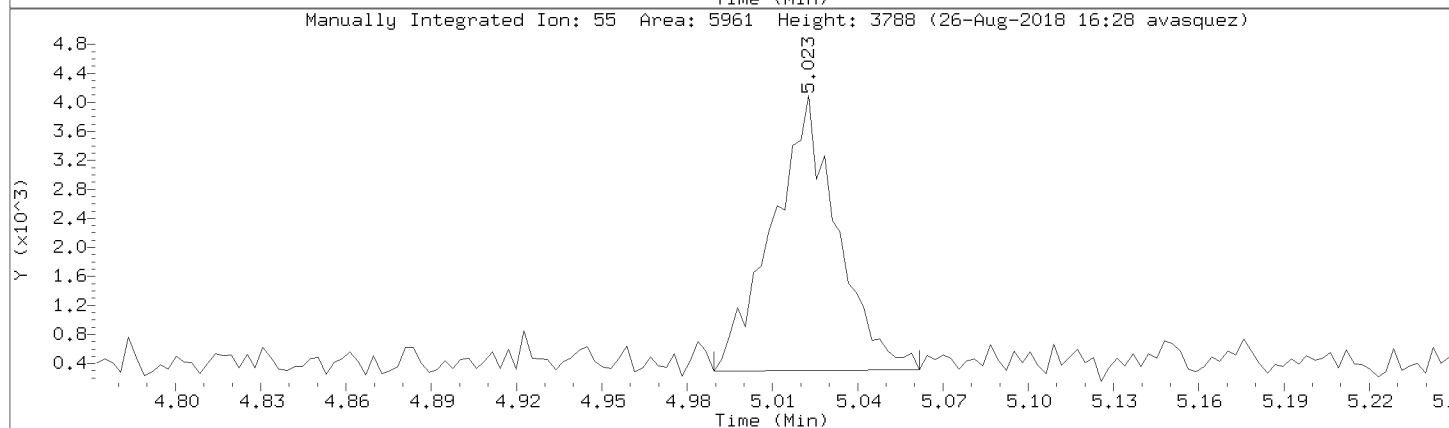
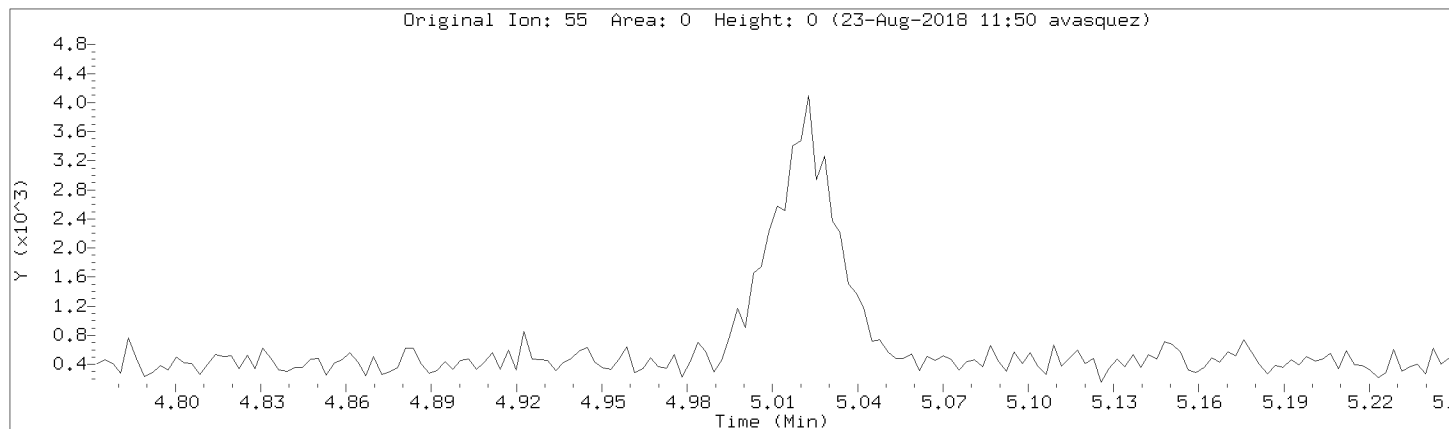
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: Methylcyclohexane

Review Code: NI

CAS Number: 108-87-2



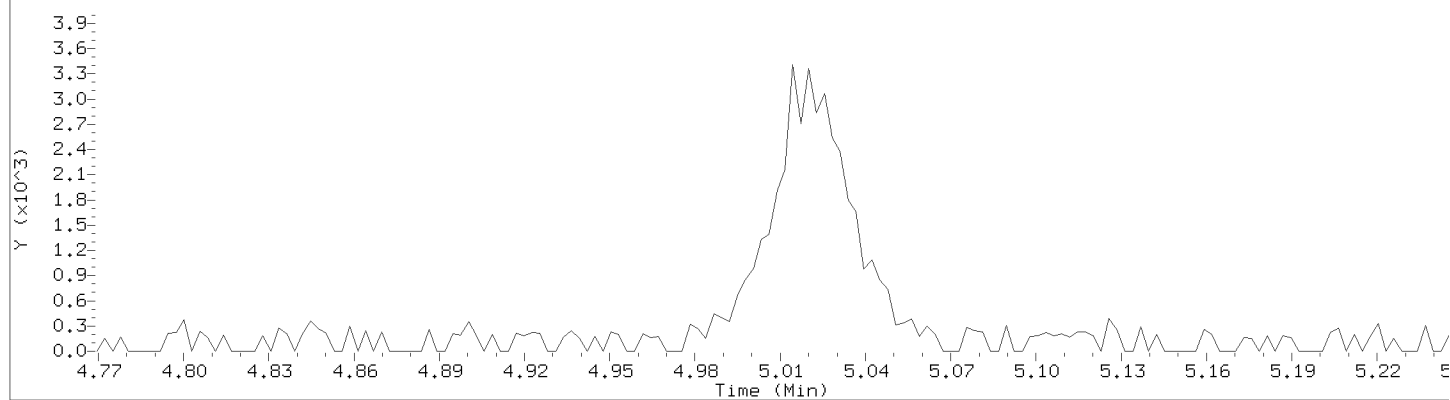
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Injection Date: 22-AUG-2018 15:24

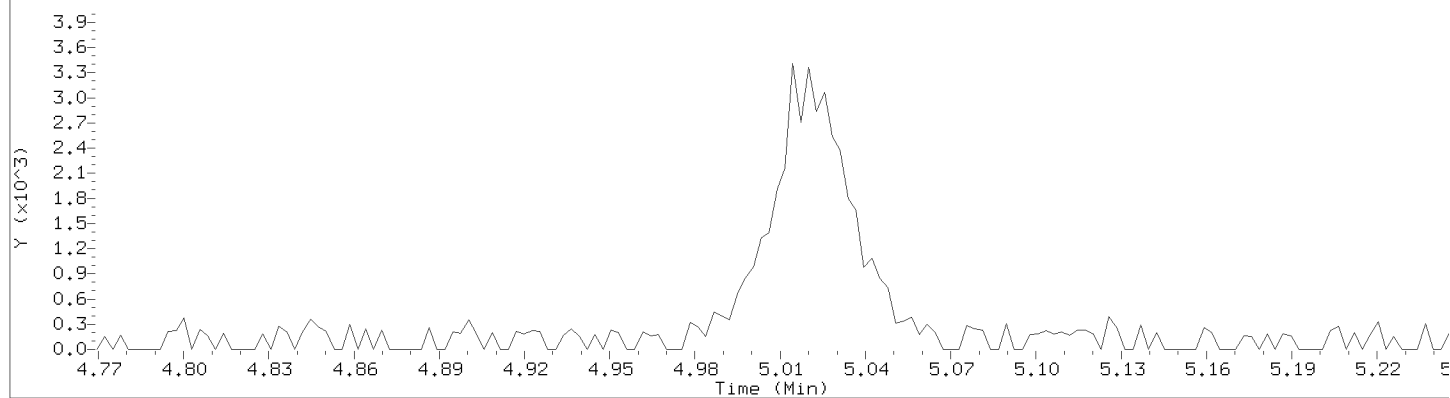
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Original Ion: 83 Area: 0 Height: 0 (23-Aug-2018 11:50 avasquez)



Manually Integrated Ion: 83 Area: 0 Height: 0 (26-Aug-2018 16:28 avasquez)



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d

Injection Date: 22-AUG-2018 15:24

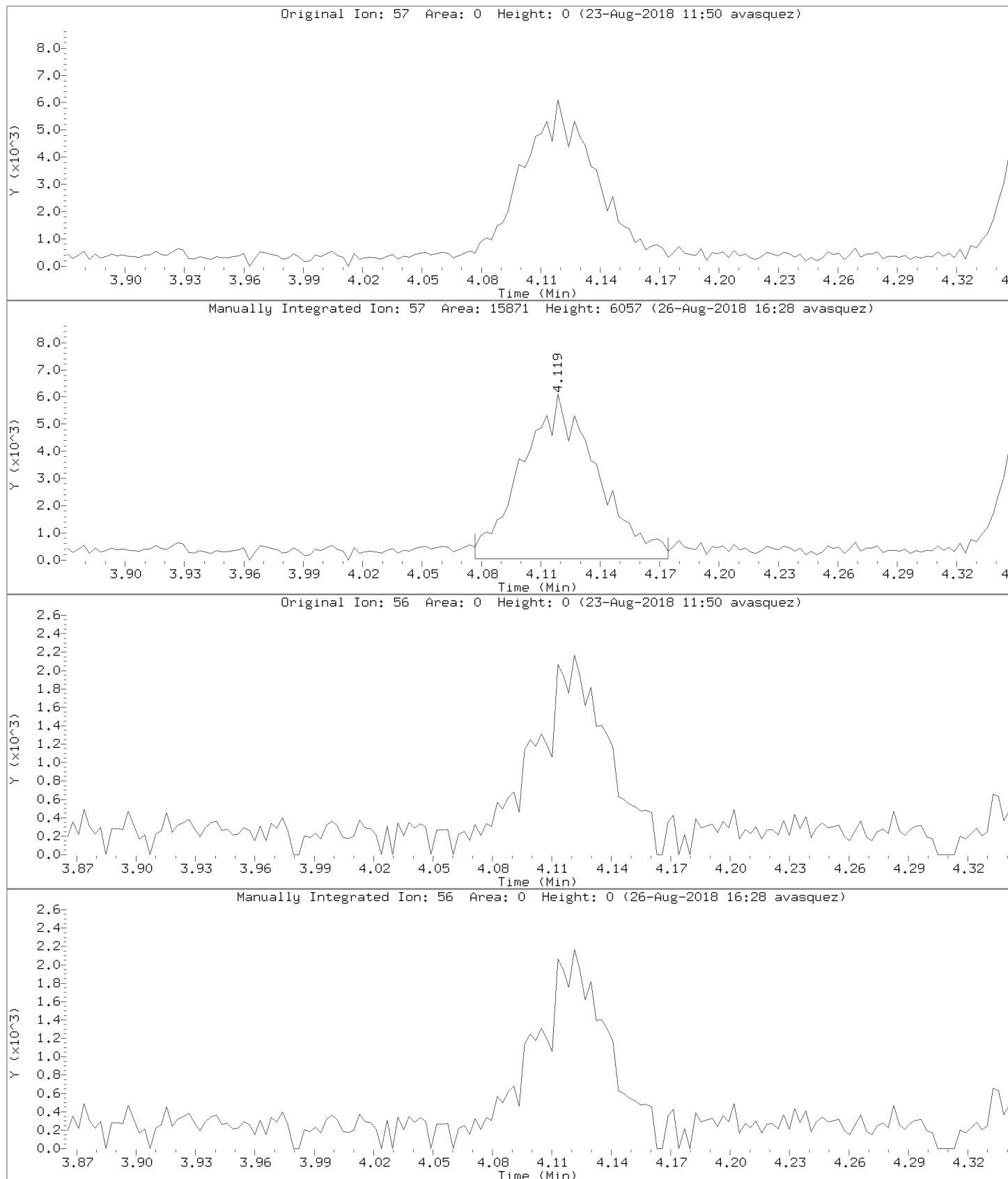
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: 2,2,4-Trimethylpentane

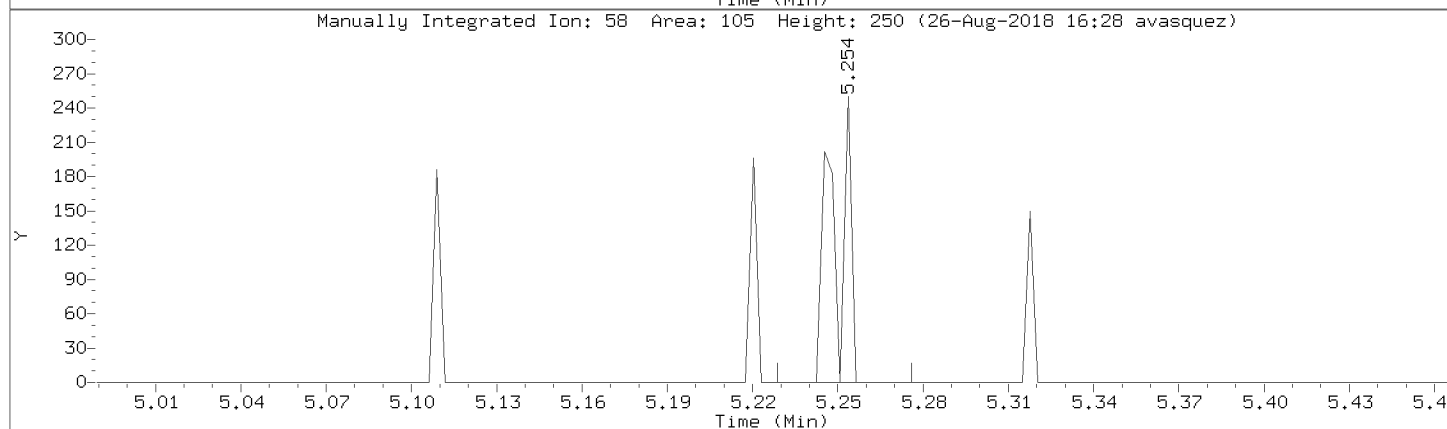
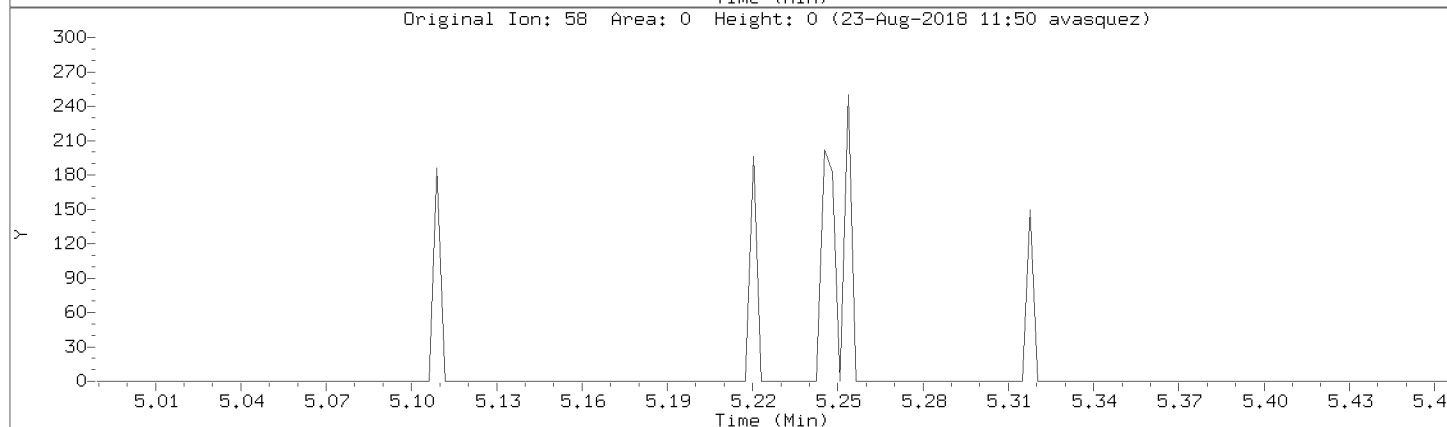
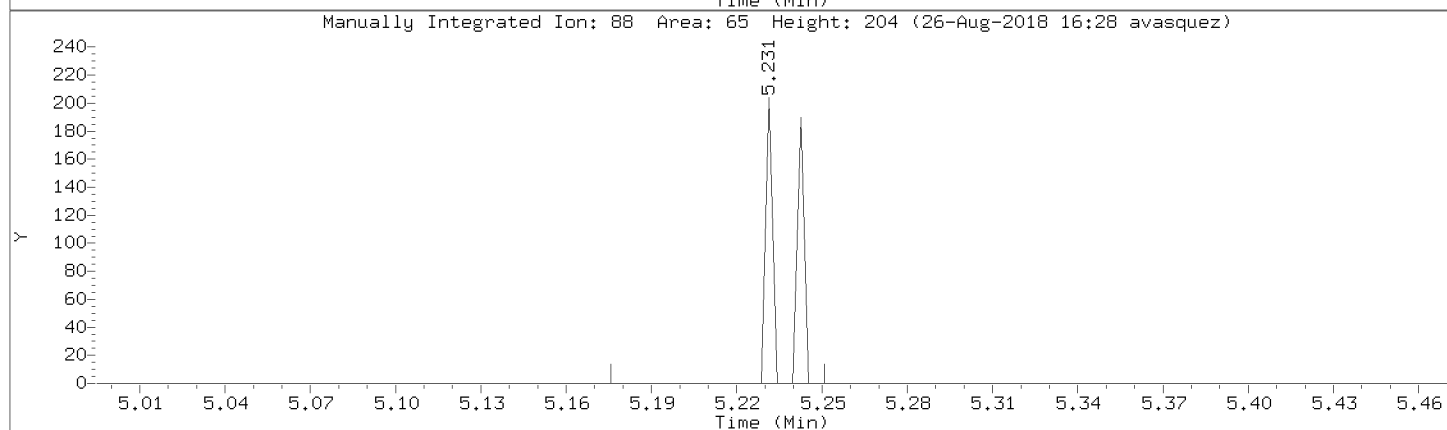
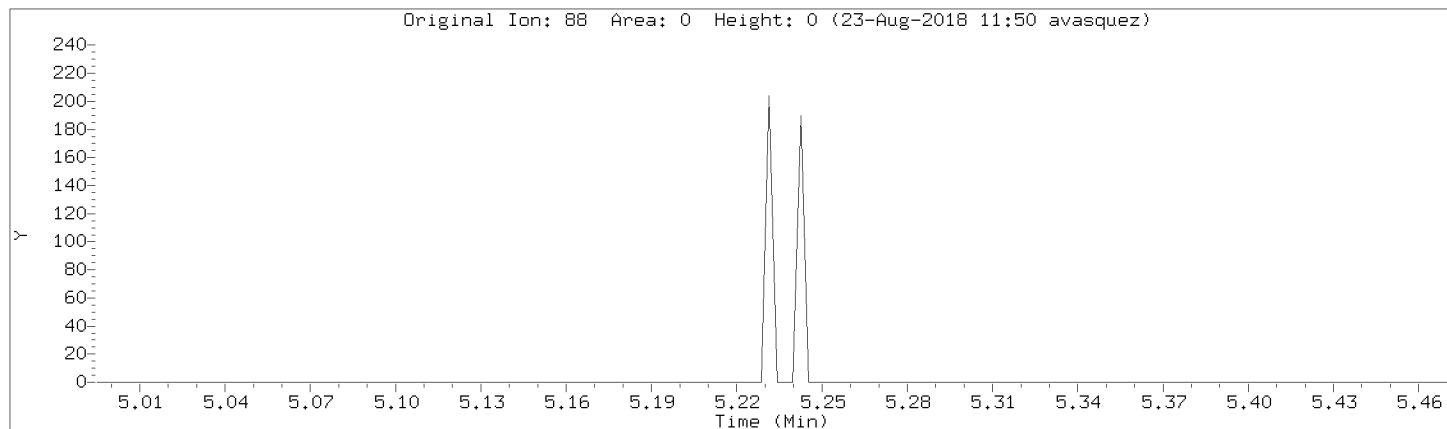
Review Code: NI

CAS Number: 540-84-1



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d
Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

Compound: 1,4-Dioxane Review Code: NI
CAS Number:



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d

Injection Date: 22-AUG-2018 15:24

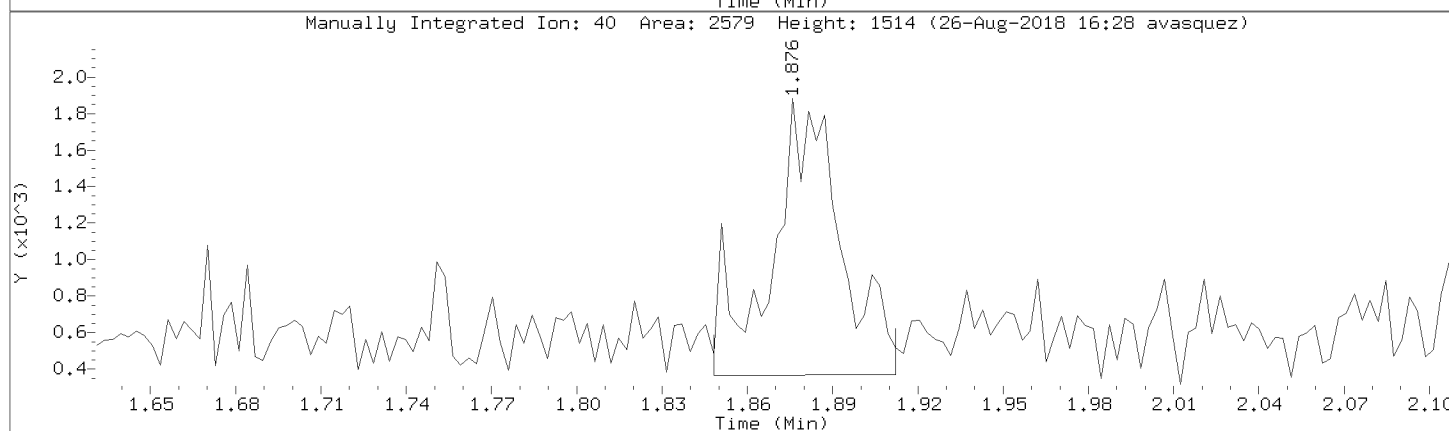
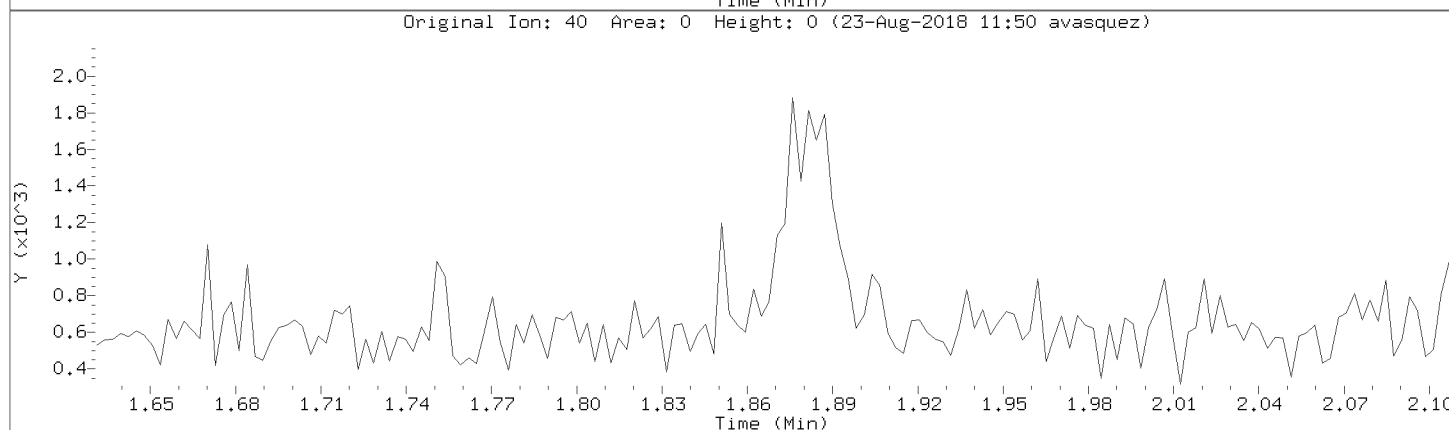
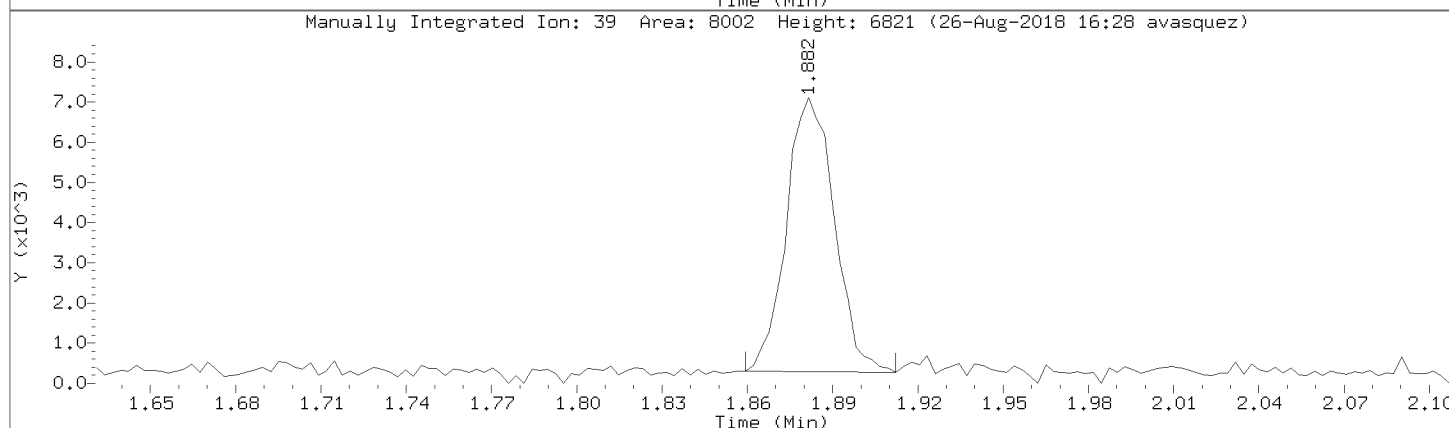
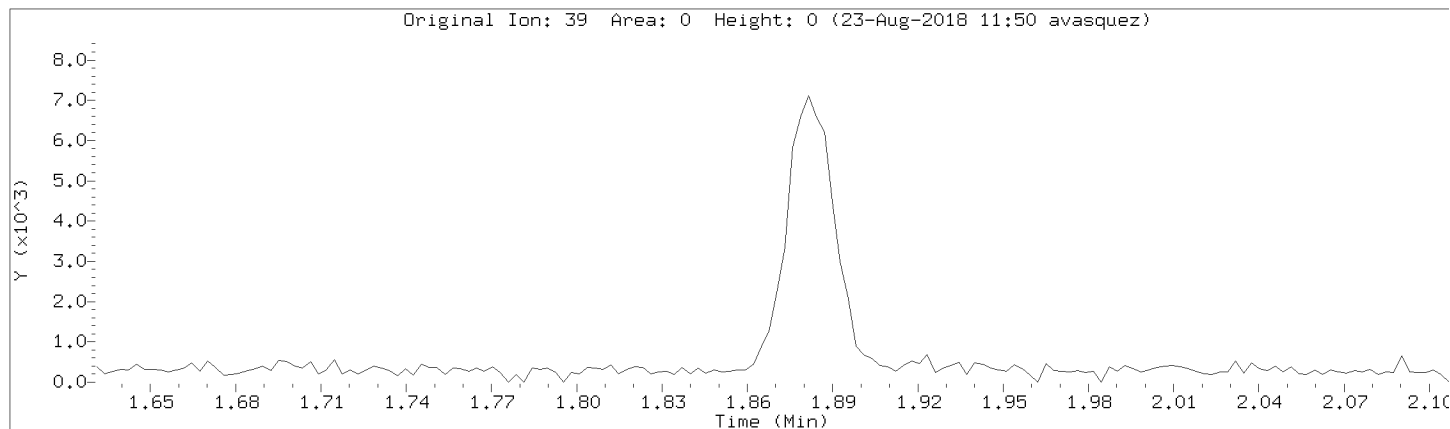
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

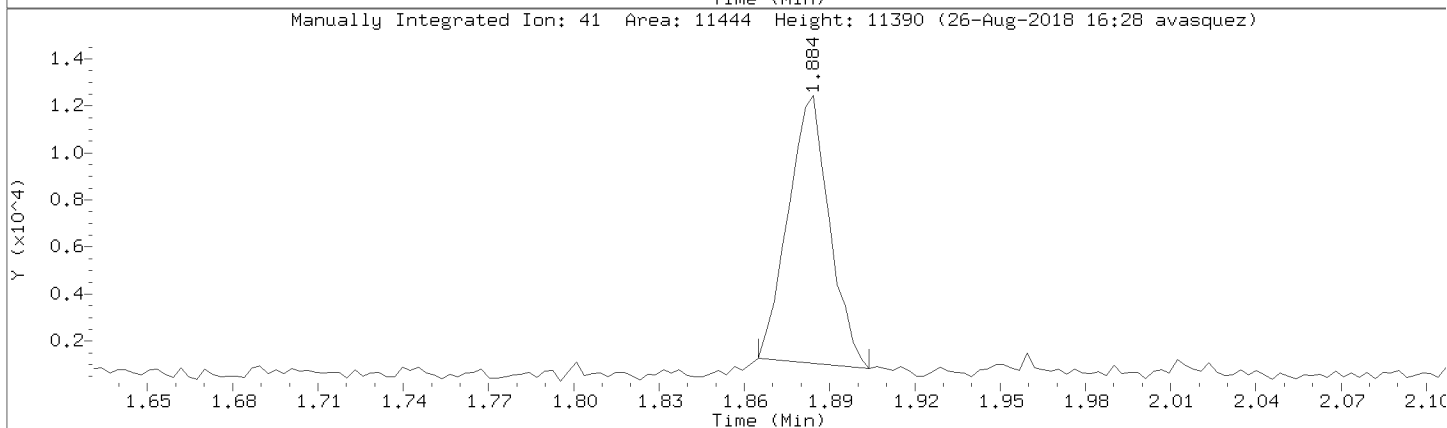
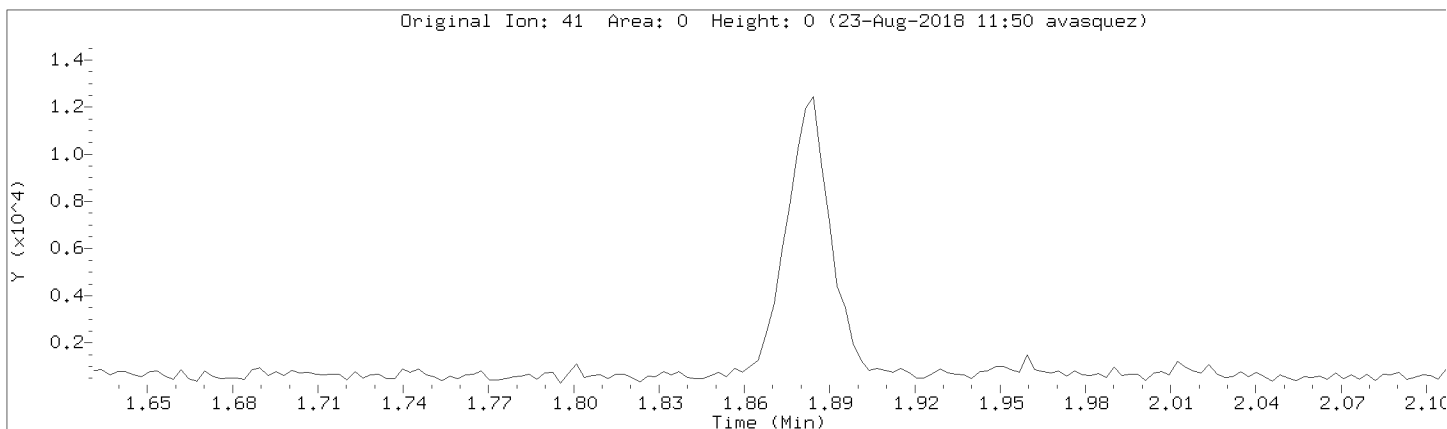
Compound: Acetonitrile

Review Code: NI

CAS Number: 75-05-8

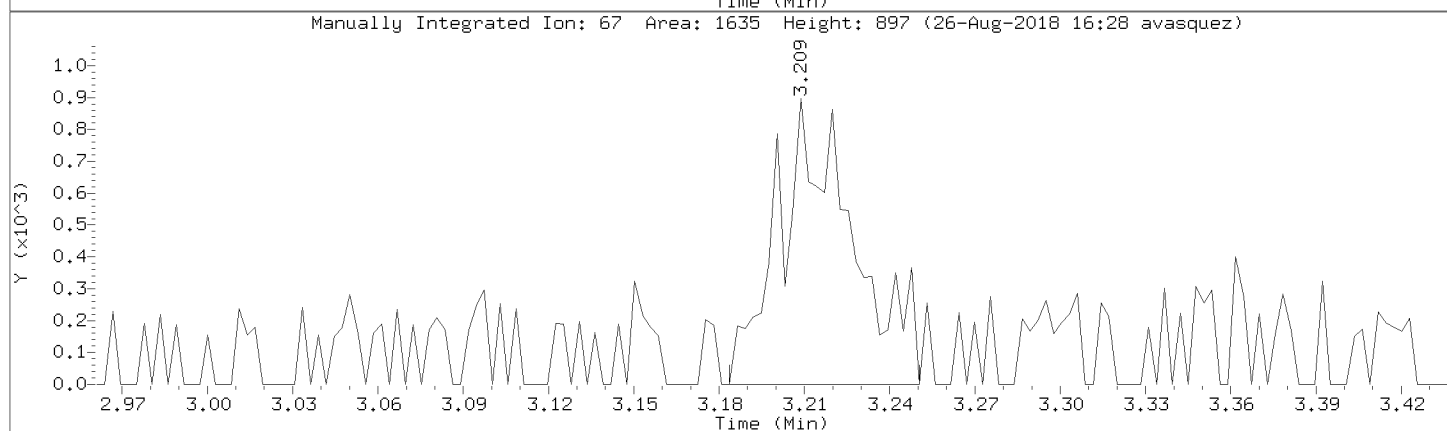
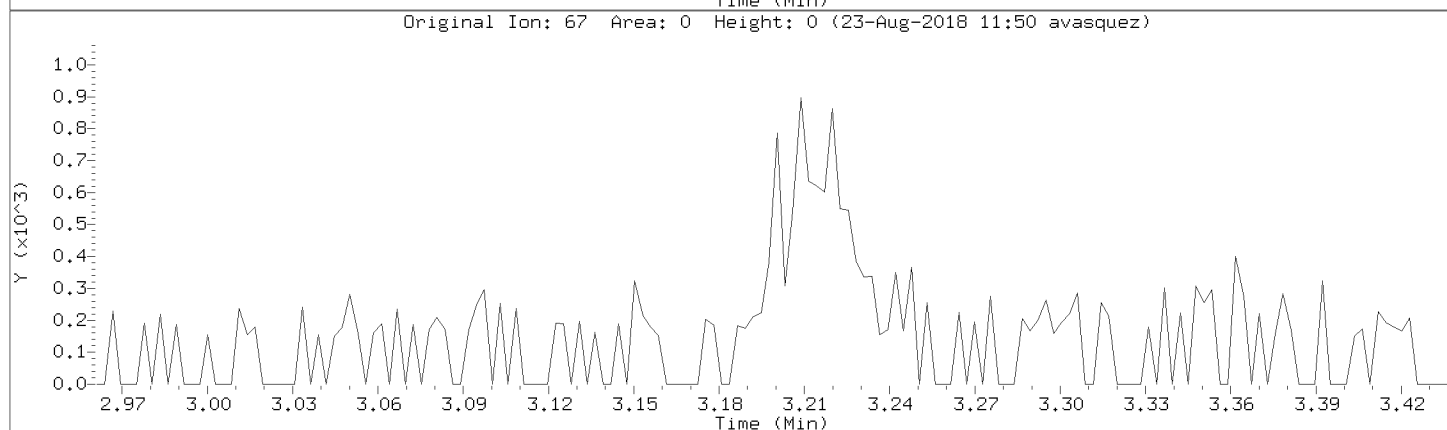
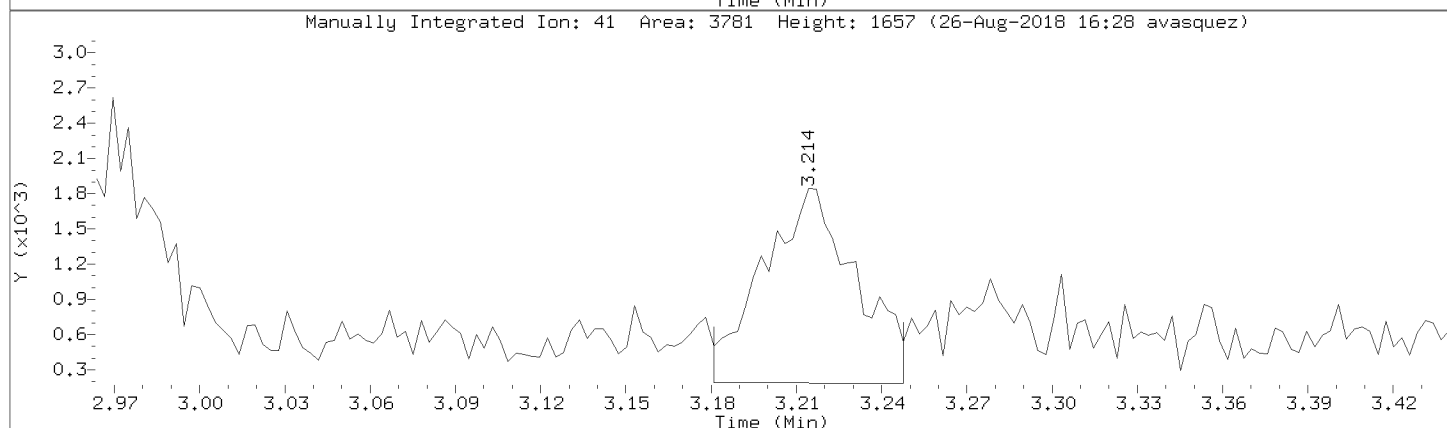
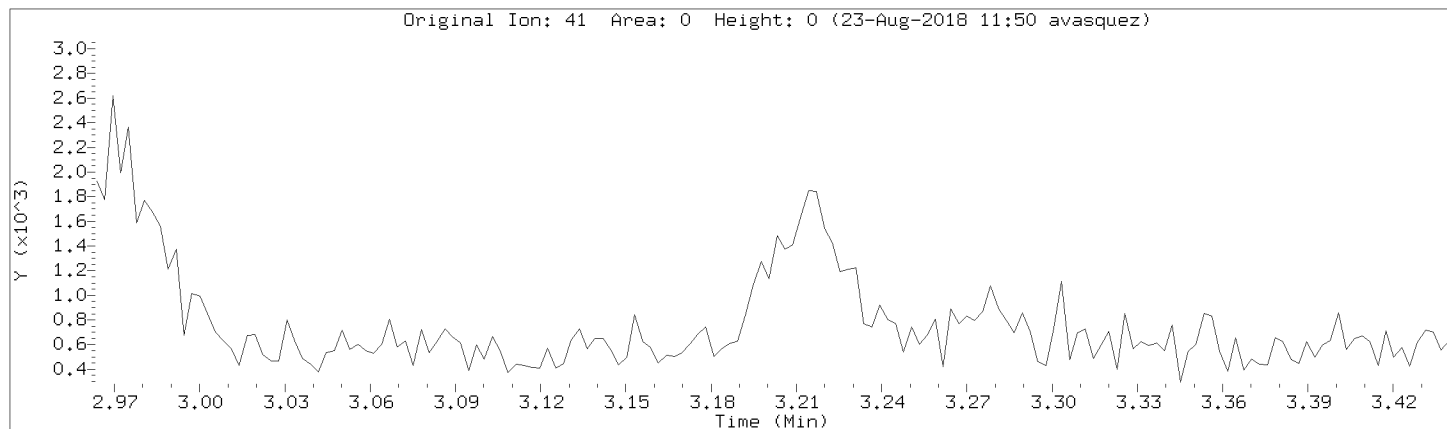


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d
Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d
Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

Compound: Methacrylonitrile Review Code: NI
CAS Number: 126-98-7

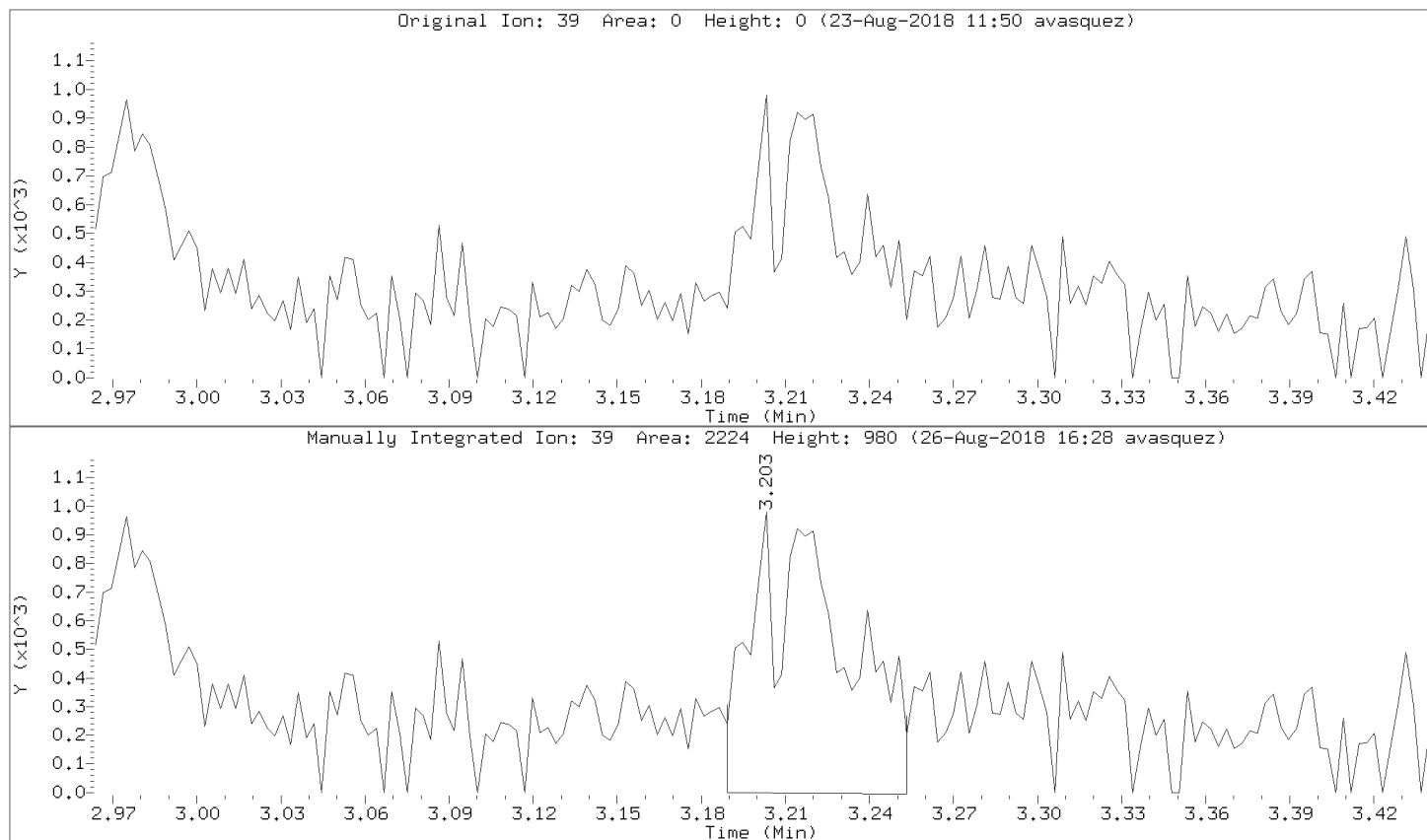


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Injection Date: 22-AUG-2018 15:24

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3



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Injection Date: 22-AUG-2018 15:24

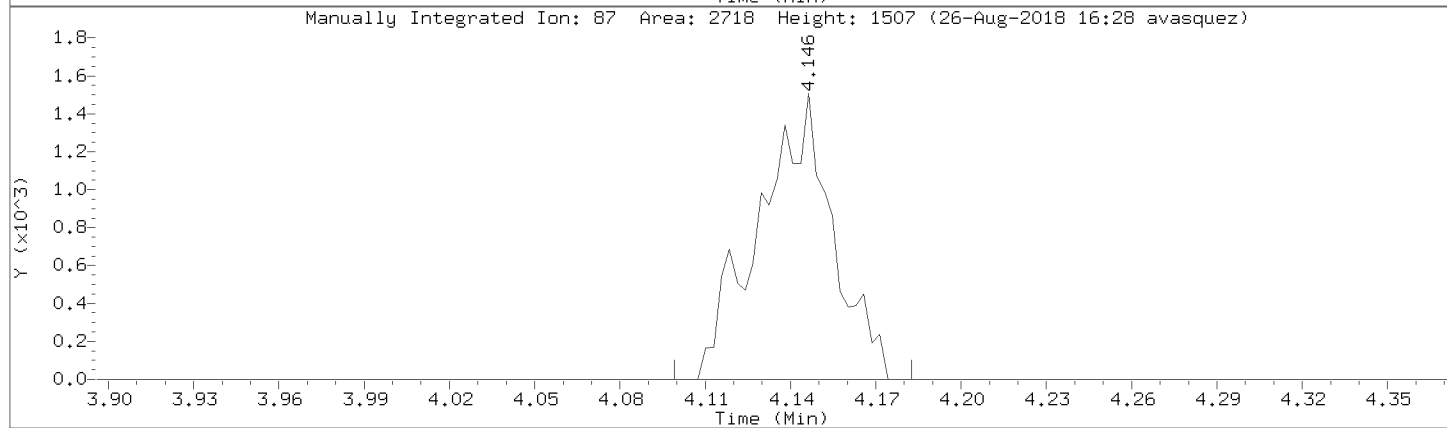
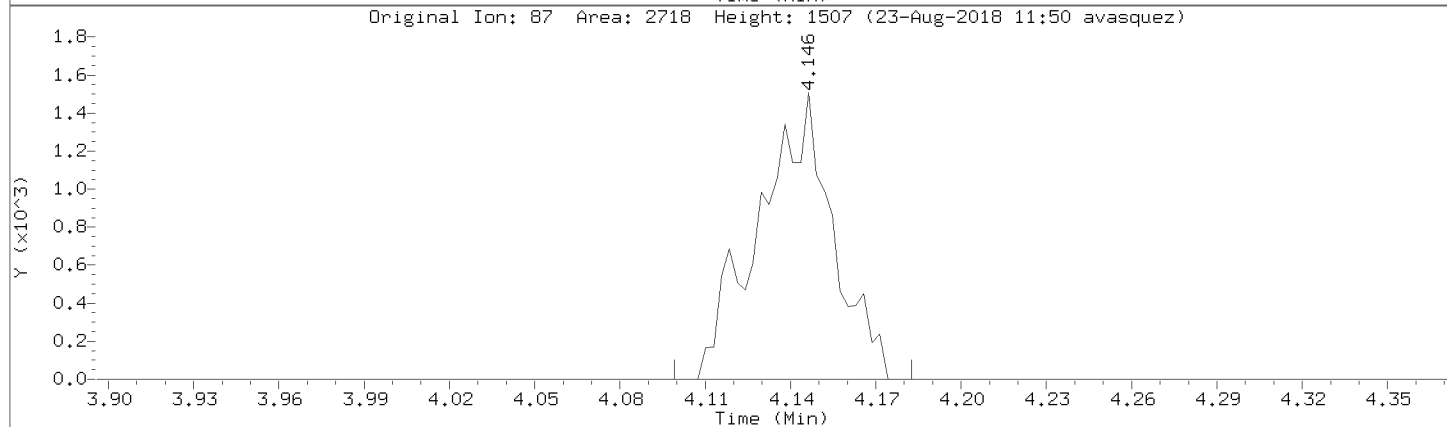
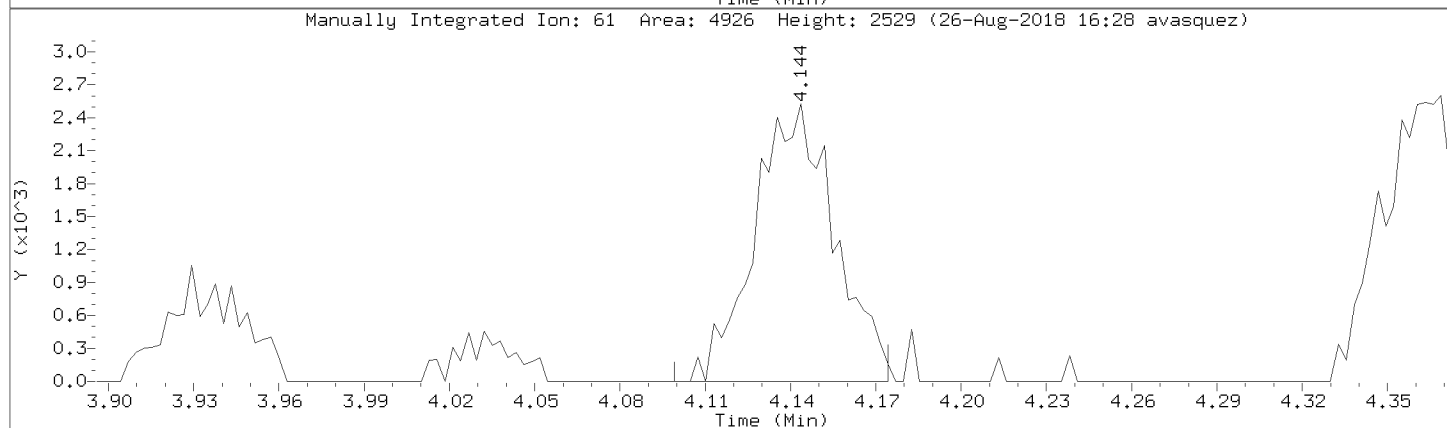
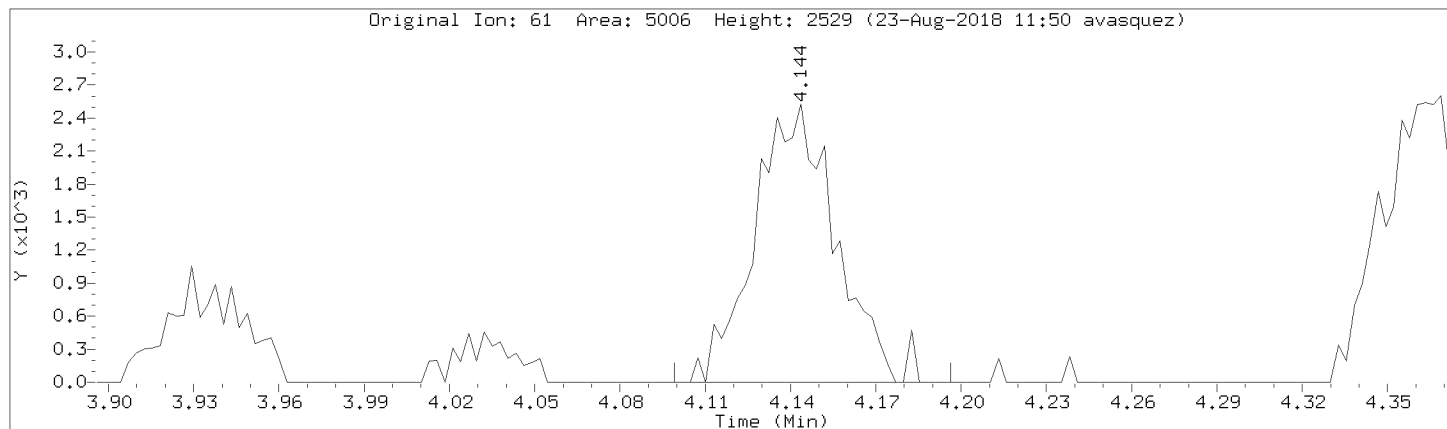
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: isopropyl acetate

Review Code:

CAS Number: 108-21-4

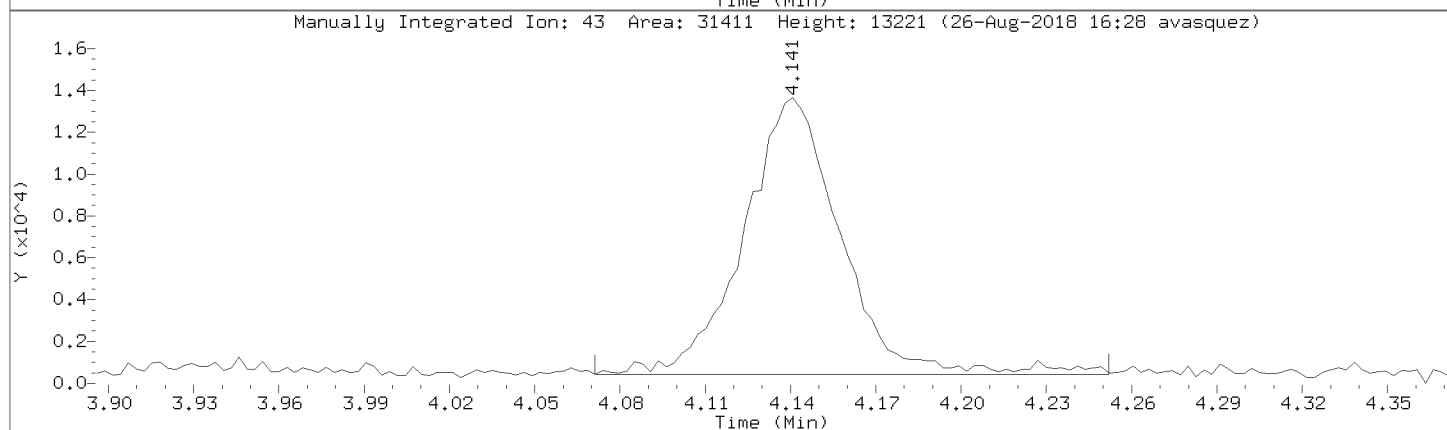
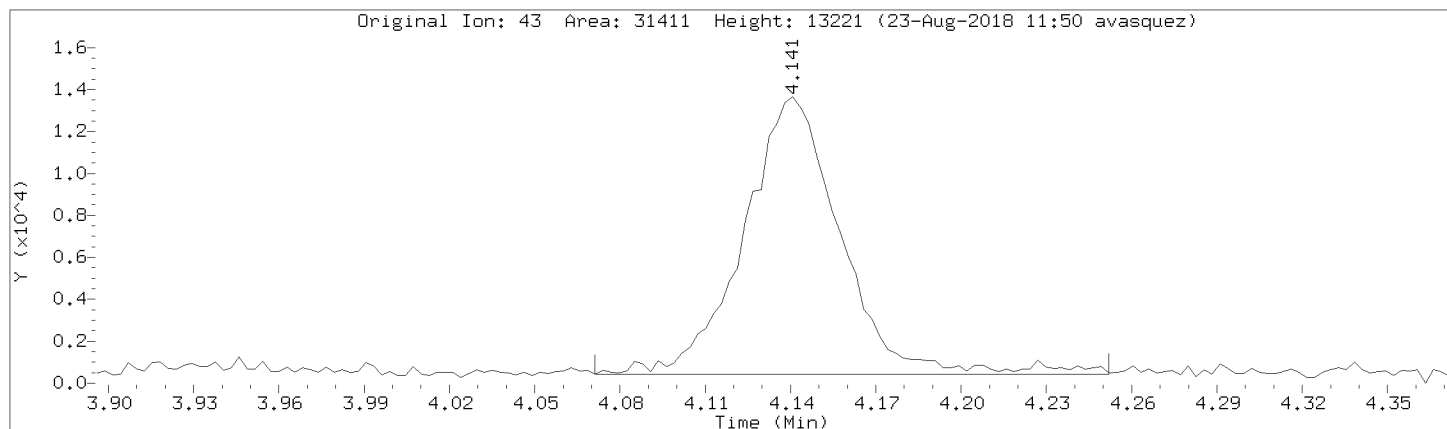


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d

Injection Date: 22-AUG-2018 15:24

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\04cal.d

Injection Date: 22-AUG-2018 15:24

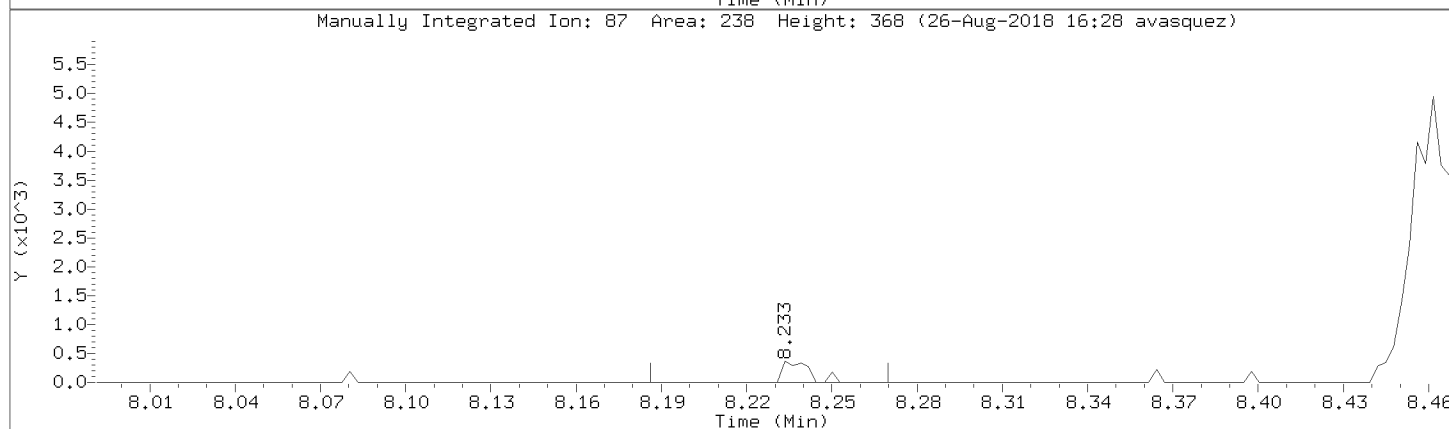
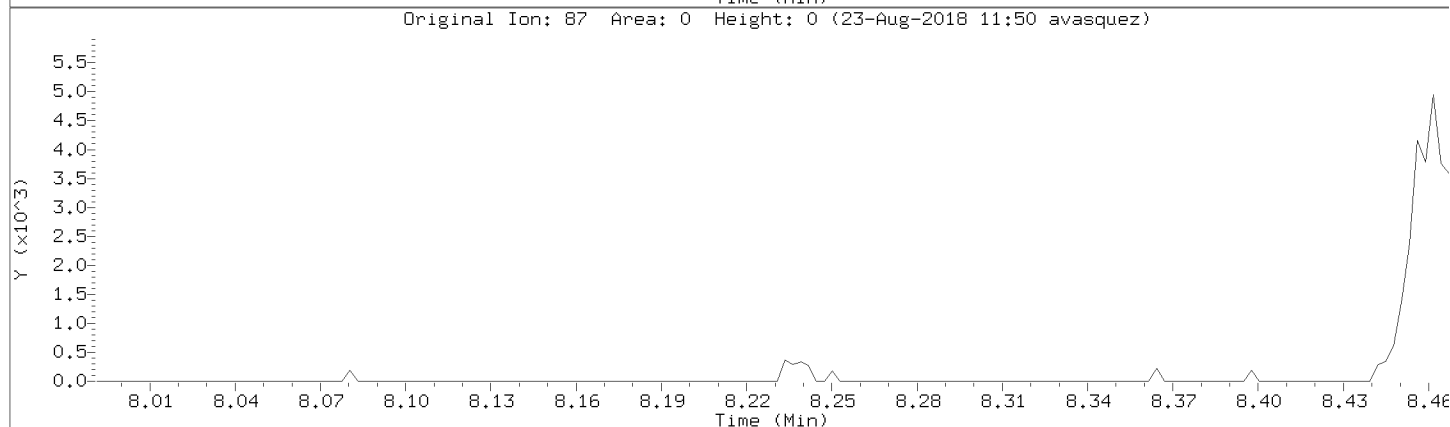
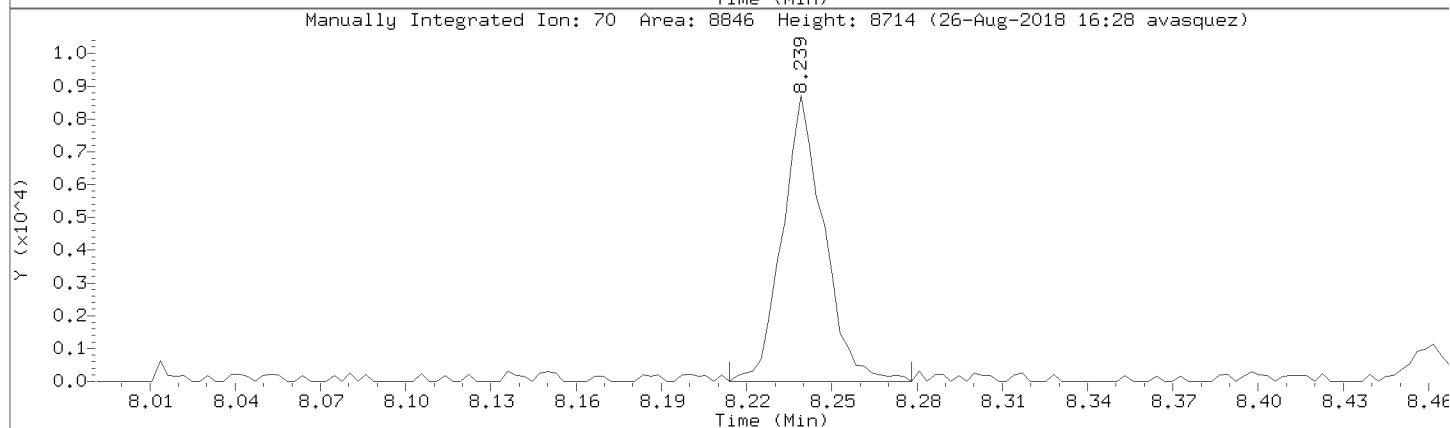
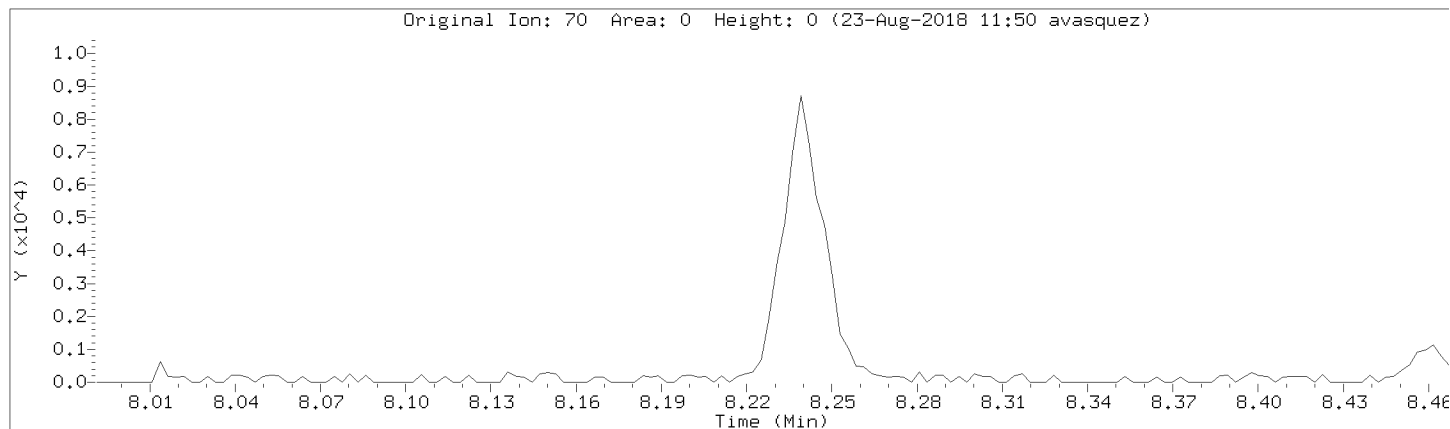
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

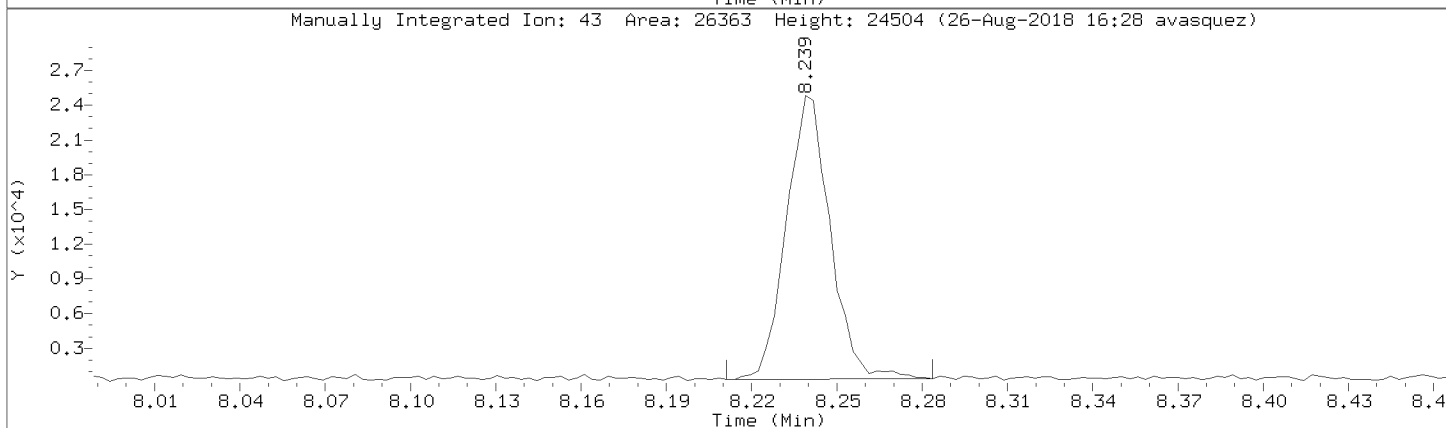
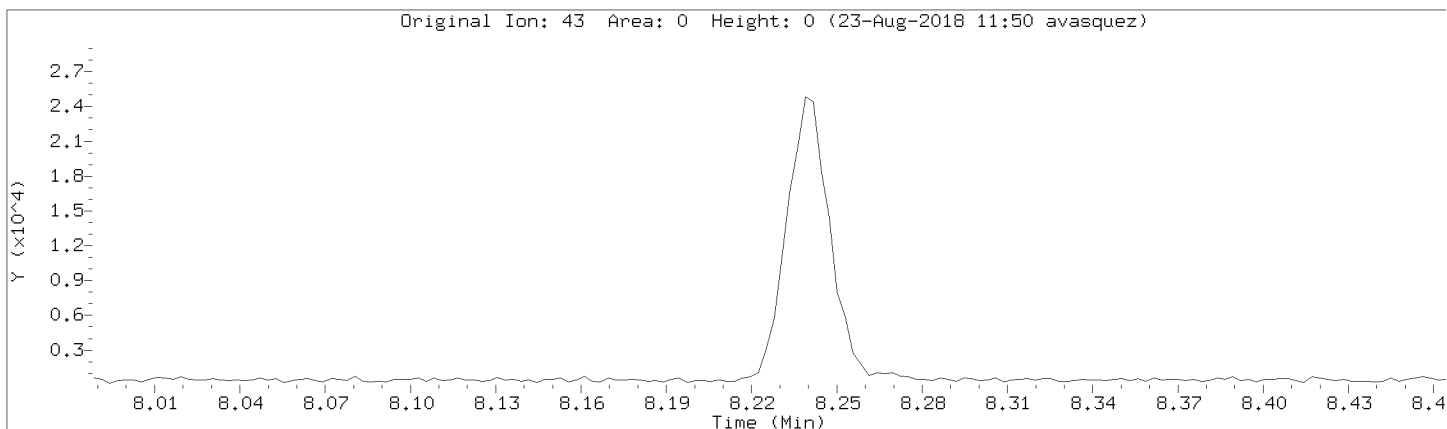
Compound: n-amyl acetate

Review Code: NI

CAS Number: 628-63-7



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d
Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b/a04cal.d

Injection Date: 22-AUG-2018 15:24

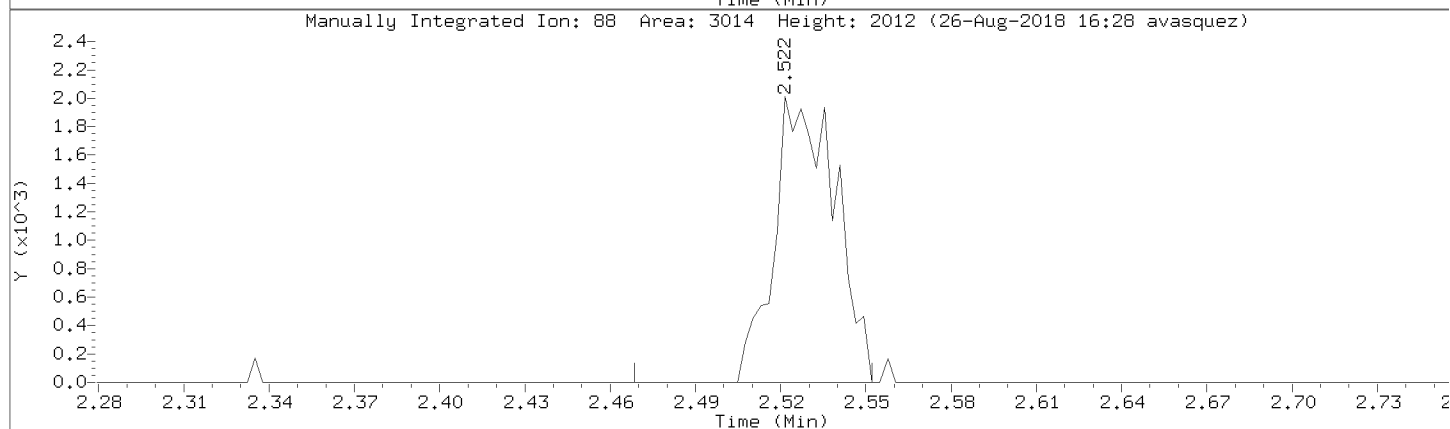
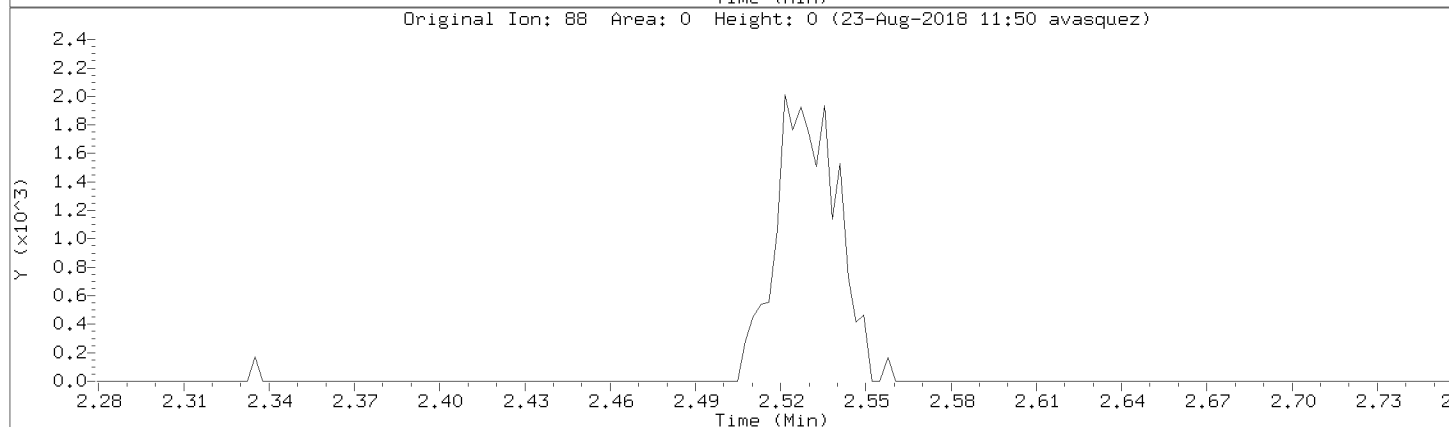
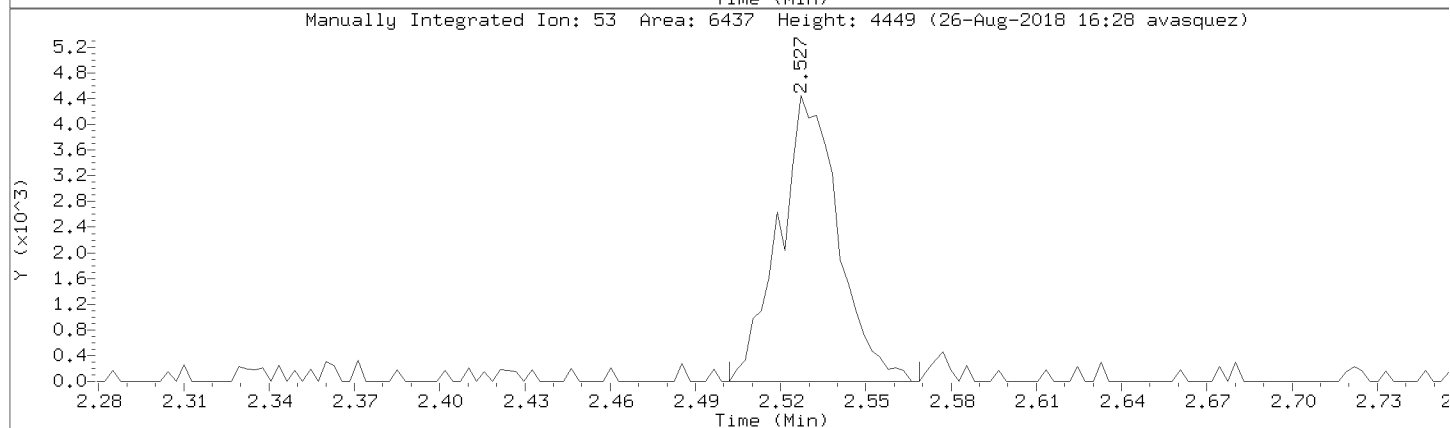
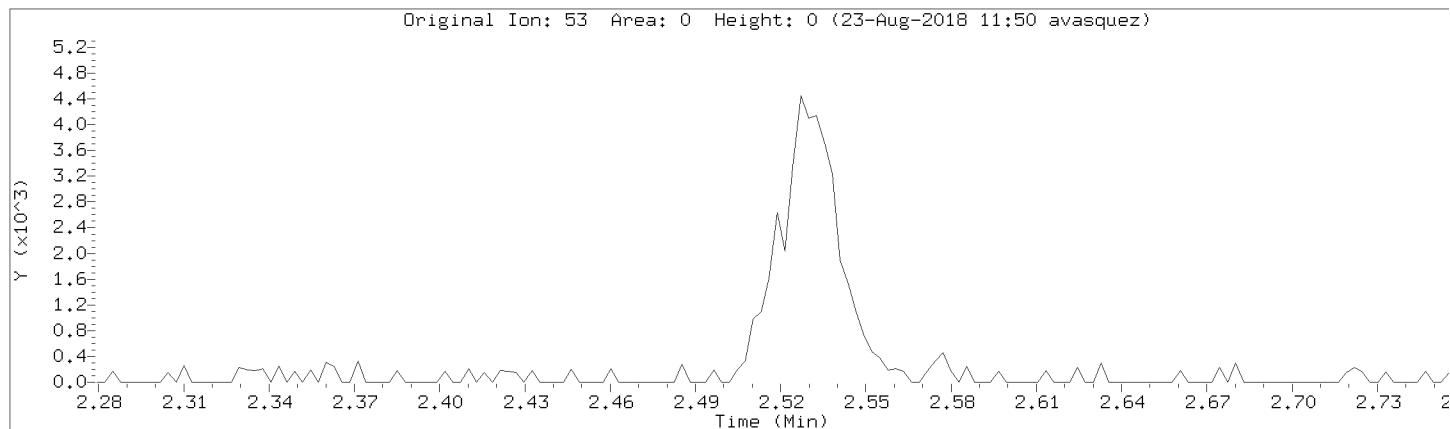
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

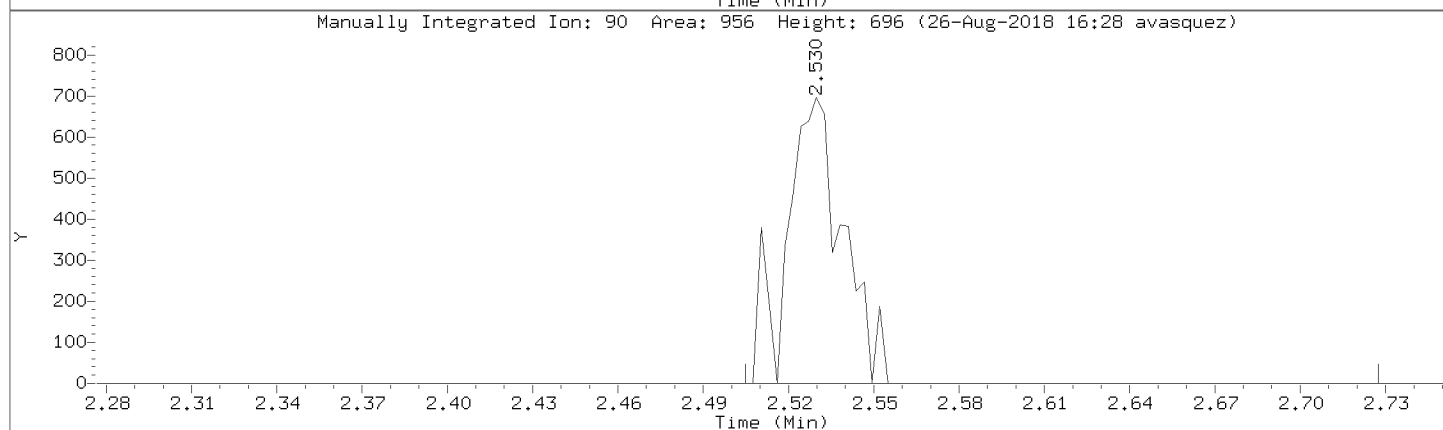
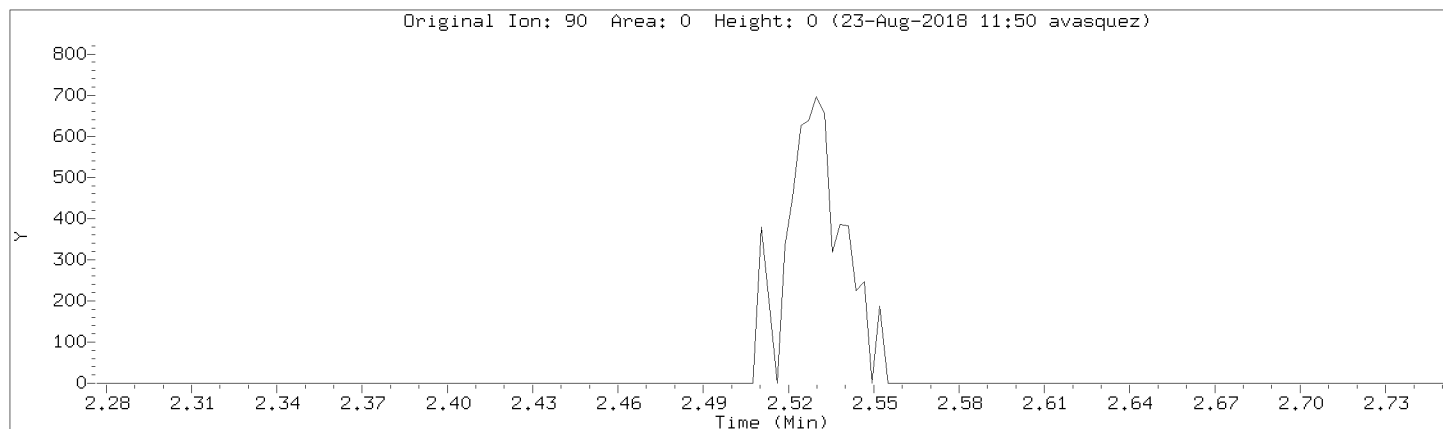
Compound: Chloroprene

Review Code: NI

CAS Number: 126-99-8



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d
Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d

Injection Date: 22-AUG-2018 15:24

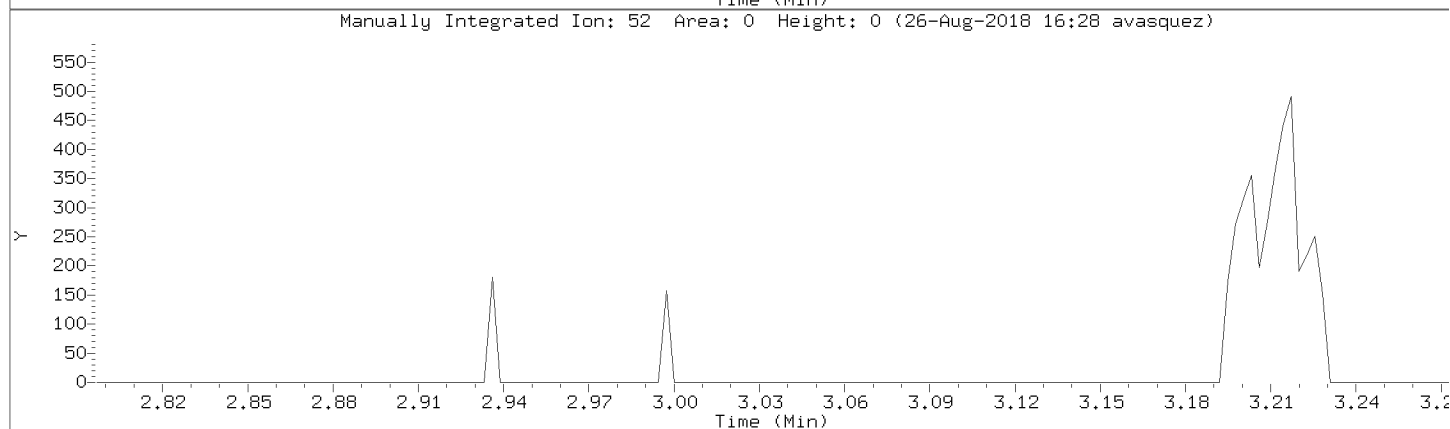
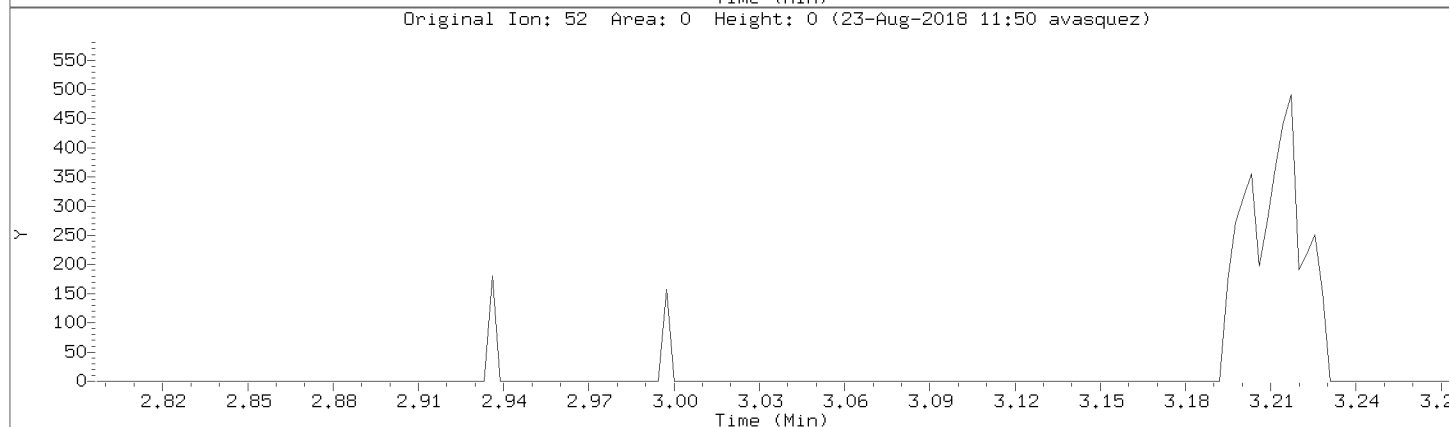
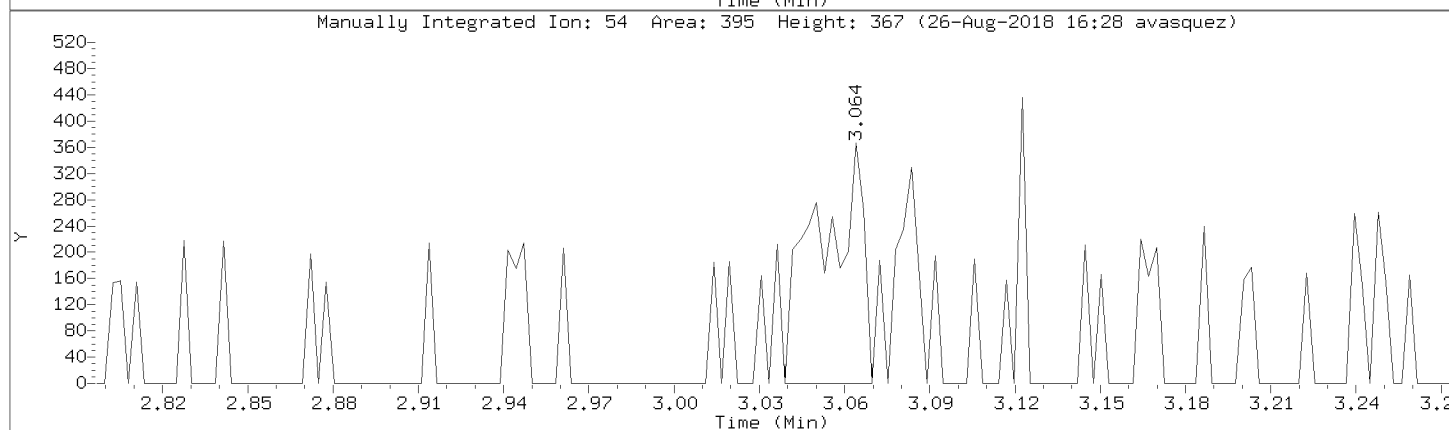
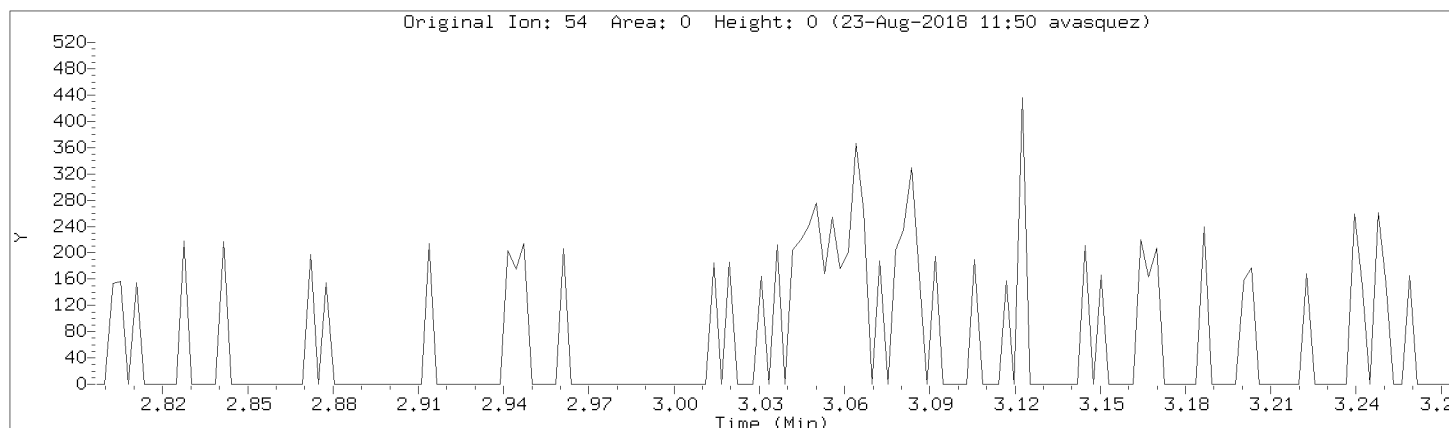
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

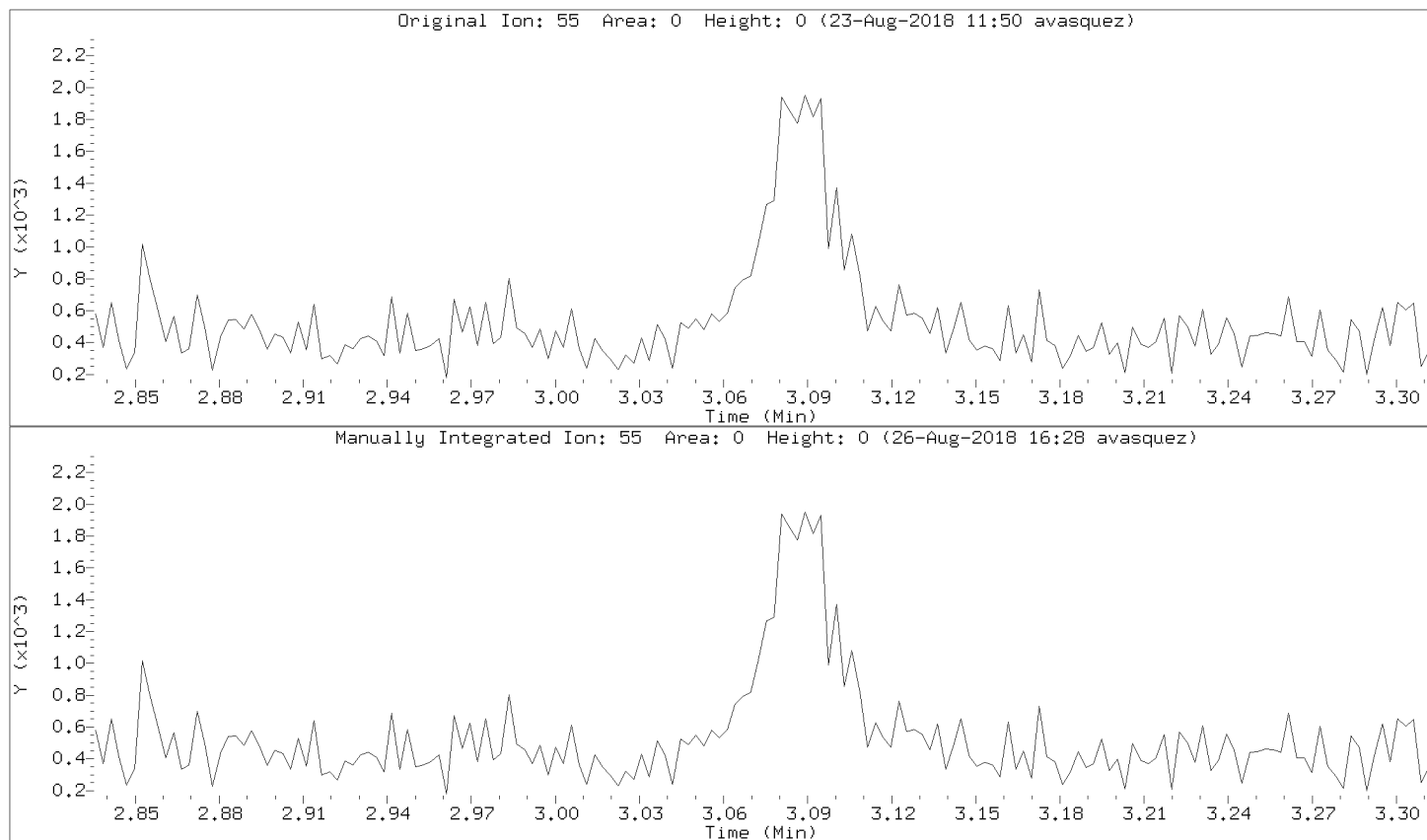
Compound: Propionitrile

Review Code: NI

CAS Number: 107-12-0



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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3



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Injection Date: 22-AUG-2018 15:24

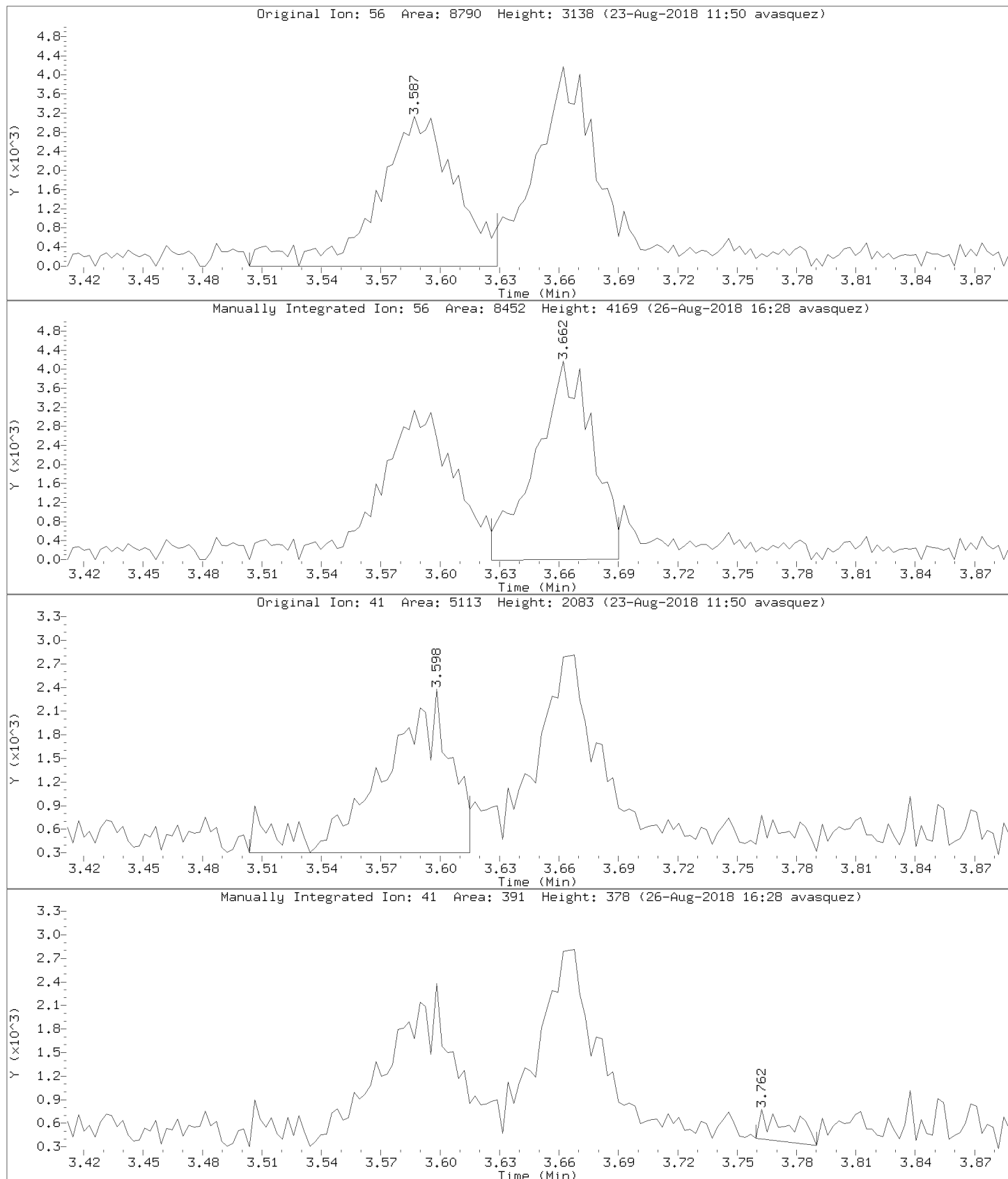
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: n-butyl chloride

Review Code: WP

CAS Number: 109-69-3



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a082218.b\a05cal.d
 Lab Smp Id: 8260-CAL4 Client Smp ID: 8260-CAL4
 Inj Date : 22-AUG-2018 15:57
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 8260-cal4,184422:0
 Misc Info : 117473
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a082218.b\ -a8260_a_c.m
 Meth Date : 26-Aug-2018 16:30 50mv2a.i Quant Type: ISTD
 Cal Date : 15-AUG-2018 18:27 Cal File: a08cal.d
 Als bottle: 5 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					REVIEW C	
			MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ppb)
1 Dichlorodifluoromethane	85		0.927	0.927	(0.213)	11572	5.00000	5.52	
2 Chloromethane	50		1.033	1.032	(0.237)	7970	5.00000	5.50 (M)	LT
3 Vinyl Chloride	62		1.069	1.069	(0.245)	9931	5.00000	4.72 (QM)	GT
4 Bromomethane	94		1.230	1.230	(0.282)	2682	5.00000	4.14	
5 Chloroethane	64		1.277	1.277	(0.293)	7538	5.00000	6.54 (M)	GT
6 Trichlorofluoromethane	101		1.400	1.402	(0.321)	13320	5.00000	5.34	
7 Diethyl ether	74		1.536	1.539	(0.352)	5080	5.00000	4.91	
8 1,2-dichlorotrifluoroethane	67		1.533	1.536	(0.352)	10969	5.00000	5.81 (M)	BA
9 Acrolein	56		1.614	1.614	(0.370)	39211	100.000	98.2	
10 1,1,2trichlorotrifluoroethane	101		1.664	1.667	(0.382)	8359	5.00000	5.17	
11 1,1-Dichloroethene	96		1.675	1.675	(0.384)	8469	5.00000	5.20	
12 Acetone	43		1.695	1.695	(0.389)	15262	25.0000	28.5 (M)	GT
13 Iodomethane	142		1.770	1.770	(0.406)	18085	10.0000	9.86	
14 Carbon Disulfide	76		1.814	1.814	(0.416)	23489	5.00000	4.88	
15 Methyl Acetate	43		1.695	1.695	(0.389)	14127	5.00000	5.14 (QM)	LT
16 Acetonitrile	39		1.881	1.881	(0.432)	24956	5.00000	4.82	
17 allyl chloride	41		1.881	1.881	(0.432)	38887	10.0000	10.8 (M)	WP
18 Methylene Chloride	84		1.956	1.956	(0.449)	11311	5.00000	5.09	
19 tert-Butyl Alcohol	59		2.001	2.003	(0.459)	1658	10.0000	11.3 (M)	NI
20 Acrylonitrile	53		2.115	2.112	(0.485)	15036	20.0000	20.7	
21 Methyl-tert-butyl ether	73		2.132	2.134	(0.489)	26528	5.00000	5.30	
22 1,2-Dichloroethene (trans)	96		2.140	2.140	(0.491)	9211	5.00000	5.16	
23 n-Hexane	57		2.335	2.335	(0.535)	18197	5.00000	4.88 (M)	NI

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
24 Vinyl Acetate	43	2.485	2.485	(0.570)	109875	20.0000	19.8	
25 1,1-Dichloroethane	63	2.452	2.454	(0.562)	17462	5.00000	5.16	
26 Chloroprene	53	2.527	2.529	(0.580)	19235	5.00000	5.00	
27 Ethyl acetate	88	2.530	2.529	(0.580)	8287	40.0000	42.6 (M)	NI
28 2-Butanone	72	2.989	2.983	(0.685)	4309	25.0000	26.3 (QM)	NI
29 1,2-Dichloroethene (cis)	96	2.969	2.969	(0.681)	9827	5.00000	4.98	
30 2,2-Dichloropropane	77	2.975	2.972	(0.682)	14613	5.00000	4.99 (M)	NI
31 Propionitrile	54	3.053	3.047	(0.700)	1419	5.00000	5.94 (M)	NI
32 Methacrylonitrile	41	3.211	3.214	(0.736)	7639	5.00000	4.54 (M)	NI
33 Bromochloromethane	49	3.220	3.219	(0.738)	8989	5.00000	5.74 (M)	GT
34 Tetrahydrofuran	42	3.281	3.269	(0.752)	4343	5.00000	5.45 (M)	GT
35 Chloroform	83	3.314	3.311	(0.760)	16244	5.00000	4.82	
\$ 36 Dibromofluoromethane (S)	113	3.495	3.503	(0.802)	79787	50.0000	49.7	
37 1,1,1-Trichloroethane	97	3.531	3.523	(0.810)	15580	5.00000	5.12	
38 cyclohexane	56	3.584	3.587	(0.822)	20462	5.00000	5.14	
150 n-butyl chloride	56	3.659	3.662	(0.839)	23706	5.00000	5.00 (QM)	WP
39 Carbon Tetrachloride	117	3.731	3.728	(0.856)	12791	5.00000	4.90	
40 1,1-Dichloropropene	75	3.731	3.734	(0.856)	12574	5.00000	5.12	
41 Benzene	78	4.004	4.004	(0.918)	35431	5.00000	5.07	
42 1,2-Dichloroethane	62	4.029	4.032	(0.924)	12897	5.00000	5.03 (M)	GT
43 2,2,4-Trimethylpentane	57	4.118	4.121	(0.944)	40423	5.00000	4.99 (M)	NI
44 Isobutyl alcohol	43	3.926	3.662	(0.900)	4163	45.0000	40.2 (QM)	
* 45 Fluorobenzene	96	4.360	4.363	(1.000)	359510	50.0000		
46 isopropyl acetate	61	4.135	4.146	(0.948)	15736	20.0000	22.5 (M)	GT
47 Trichloroethene	95	4.803	4.802	(1.101)	9593	5.00000	5.04	
48 Methylcyclohexane	55	5.022	5.022	(1.152)	18032	5.00000	5.38 (QM)	NI
49 1,2-Dichloropropane	63	5.067	5.067	(1.162)	9656	5.00000	5.20 (M)	NI
50 1,4-Dioxane	88	5.251	5.245	(1.204)	390	100.000	88.4 (QM)	NI
51 Dibromomethane	93	5.200	5.200	(1.193)	5034	5.00000	5.17	
52 Methyl methacrylate	69	5.251	5.248	(1.204)	7510	5.00000	5.35 (M)	NI
53 Bromodichloromethane	83	5.395	5.398	(1.237)	12631	5.00000	4.96	
54 2-Chloroethyl vinyl ether	63	5.768	5.771	(0.765)	14297	10.0000	10.6	
55 cis-1,3-Dichloropropene	75	5.904	5.907	(0.783)	14669	5.00000	4.97	
56 4-Methyl-2-Pentanone	43	6.096	6.099	(0.809)	57961	25.0000	25.3	
\$ 57 Toluene-d8	98	6.188	6.188	(0.821)	340981	50.0000	50.2	
58 Toluene	91	6.258	6.260	(0.830)	39670	5.00000	4.75	
59 trans-1,3-Dichloropropene	75	6.511	6.513	(0.863)	14228	5.00000	5.14	
60 Ethyl Methacrylate	69	6.633	6.633	(0.880)	13650	5.00000	5.07 (M)	NI
61 1,1,2-Trichloroethane	83	6.686	6.689	(0.887)	6739	5.00000	5.00 (QM)	GT
62 Tetrachloroethene	166	6.803	6.806	(0.902)	11308	5.00000	5.04	
63 1,3-Dichloropropane	76	6.842	6.845	(0.907)	13877	5.00000	5.10	
64 2-Hexanone	43	6.945	6.945	(0.921)	40246	25.0000	25.0	
65 Dibromochloromethane	129	7.045	7.045	(0.934)	8910	5.00000	4.88	
66 1,2-Dibromoethane	107	7.134	7.134	(0.946)	7926	5.00000	5.20	
* 67 Chlorobenzene-d5	117	7.540	7.540	(1.000)	277715	50.0000		
68 Chlorobenzene	112	7.565	7.565	(1.003)	24938	5.00000	5.17	
69 1,1,1,2-Tetrachloroethane	131	7.638	7.640	(1.013)	10257	5.00000	5.49	
70 Ethylbenzene	106	7.666	7.663	(1.017)	13889	5.00000	4.95	
71 m&p-Xylene	106	7.760	7.763	(1.029)	35393	10.0000	10.1	
72 o-Xylene	106	8.069	8.072	(1.070)	16257	5.00000	5.09	
73 Styrene	104	8.083	8.083	(1.072)	27950	5.00000	5.15	
74 Bromoform	173	8.219	8.219	(0.887)	6661	5.00000	5.00 (M)	NI
75 Isopropylbenzene	105	8.353	8.353	(1.108)	44946	5.00000	4.92	
\$ 76 4-Bromofluorobenzene	95	8.461	8.461	(1.122)	132562	50.0000	51.0	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
77 n-amyl acetate	70	8.241	8.241	(1.093)	27172	20.0000	20.8 (M)	NI
78 Bromobenzene	77	8.561	8.567	(1.135)	16419	5.00000	5.14	
79 1,1,2,2-Tetrachloroethane	83	8.575	8.575	(0.925)	10406	5.00000	4.89	
80 trans-1,4-Dichloro-2-butene	53	8.617	8.614	(1.143)	3448	5.00000	4.61 (M)	GT
81 1,2,3-Trichloropropane	110	8.600	8.603	(0.928)	3478	5.00000	5.22 (Q)	
82 n-Propylbenzene	91	8.648	8.650	(0.933)	51398	5.00000	4.85	
83 2-Chlorotoluene	91	8.706	8.709	(0.939)	30042	5.00000	5.02	
84 1,3,5-Trimethylbenzene	105	8.773	8.775	(0.947)	35847	5.00000	4.90	
85 4-Chlorotoluene	126	8.784	8.787	(0.948)	10564	5.00000	5.24	
86 tert-Butylbenzene	119	9.001	9.004	(0.971)	42240	5.00000	4.97	
87 1,2,4-Trimethylbenzene	105	9.034	9.034	(0.975)	35332	5.00000	4.83	
88 sec-Butylbenzene	105	9.148	9.151	(0.987)	46747	5.00000	4.95	
89 1,3-Dichlorobenzene	146	9.224	9.223	(0.995)	19360	5.00000	4.86 (H)	WP
90 p-Isopropyltoluene	119	9.246	9.246	(0.998)	40436	5.00000	5.11	
* 91 1,4-Dichlorobenzene-d4	152	9.268	9.268	(1.000)	147121	50.0000		
92 1,4-Dichlorobenzene	146	9.282	9.285	(1.001)	20740	5.00000	5.18	
93 n-Butylbenzene	91	9.516	9.516	(1.027)	35011	5.00000	4.70	
94 1,2-Dichlorobenzene	146	9.530	9.532	(1.028)	18195	5.00000	5.11	
95 1,2-Dibromo-3-chloropropane	155	10.033	10.033	(1.083)	1851	5.00000	5.15	
96 1,2,4-Trichlorobenzene	180	10.545	10.545	(1.138)	12478	5.00000	4.88	
97 Hexachlorobutadiene	225	10.640	10.640	(1.148)	6345	5.00000	4.79	
98 Naphthalene	128	10.701	10.701	(1.155)	29243	5.00000	4.93	
99 1,2,3-Trichlorobenzene	180	10.848	10.845	(1.171)	11999	5.00000	5.23	
100 2-methyl-naphthalene	142	11.422	11.419	(1.232)	14728	5.00000	4.83	
101 1-Methylnaphthalene	142	11.558	11.558	(1.247)	11979	5.00000	4.88	

QC Flag Legend

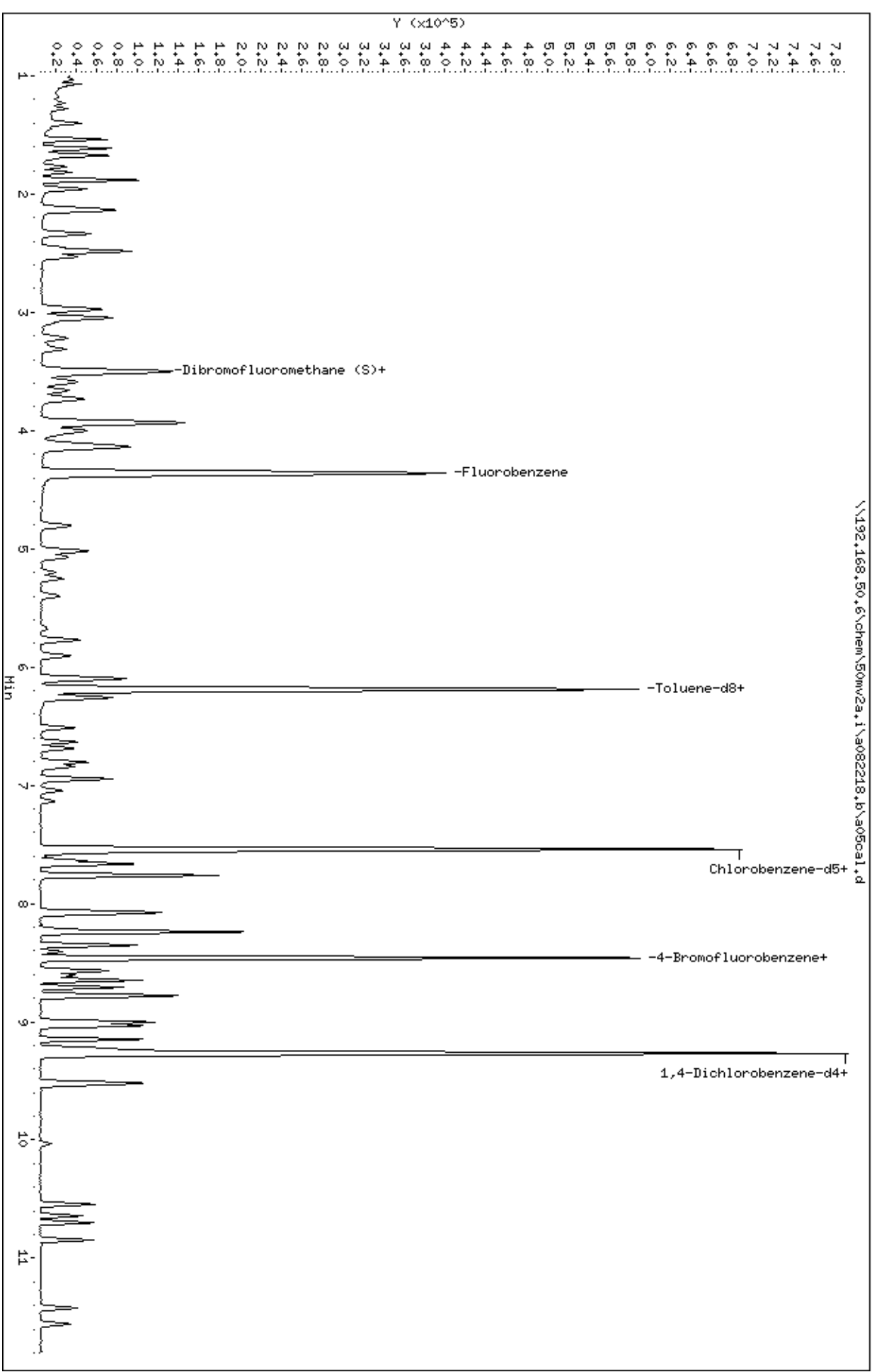
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Review Codes Legend

- LT: Indicates that the peak in question was inappropriately integrated to an area less than what it should be (e.g., Peak area was cut).
- GT: Indicates that the peak in question was inappropriately integrated to an area greater than it should be (e.g., Peak tailing).
- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- WP: Indicates that the wrong peak was chosen by the data system.
- NI: Indicates that the peak was not integrated at all by the computer software.

Data File: \\192.168.50.6\chem\50mw2a.1\A082218.b\A050a1.d
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 Client ID: 8260-CAL4
 Sample Info: 8260-CAL4,184422:0
 Purge Volume: 5.0
 Column phase: DB-624

Instrument: 50mw2a.1
 Operator: amw
 Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b/a05cal.d

Injection Date: 22-AUG-2018 15:57

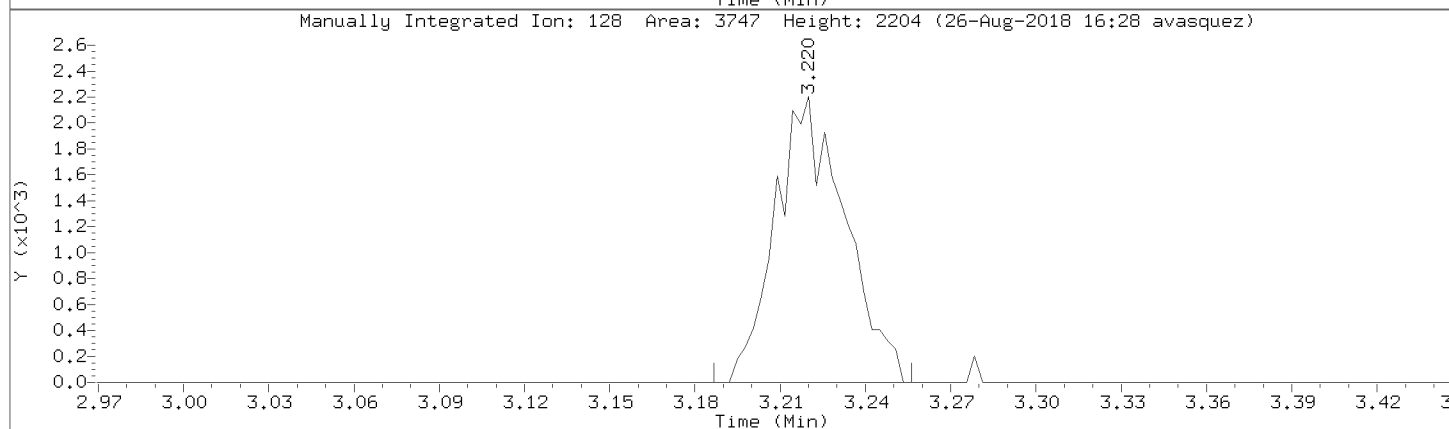
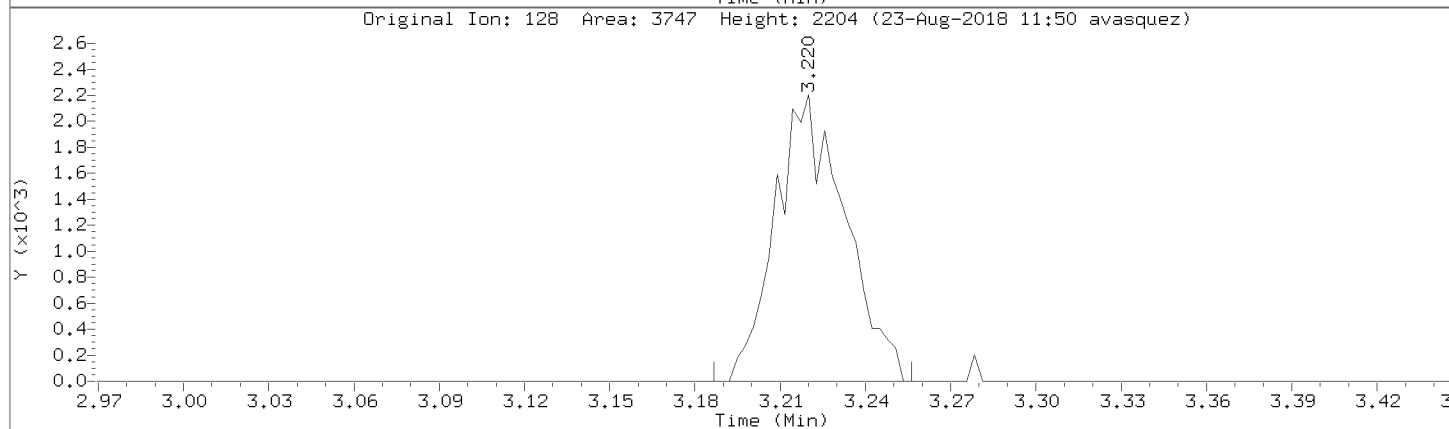
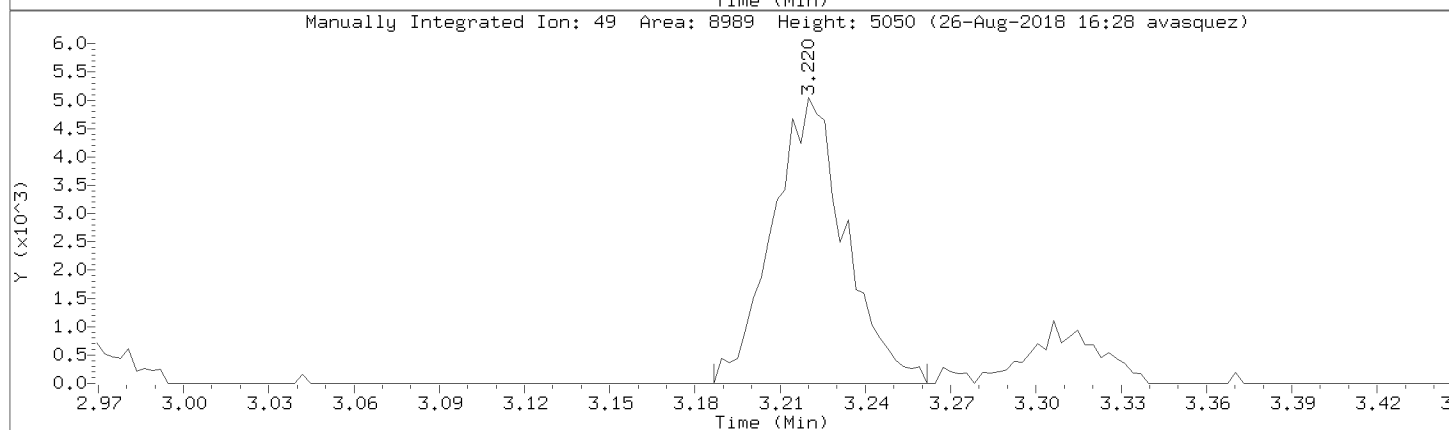
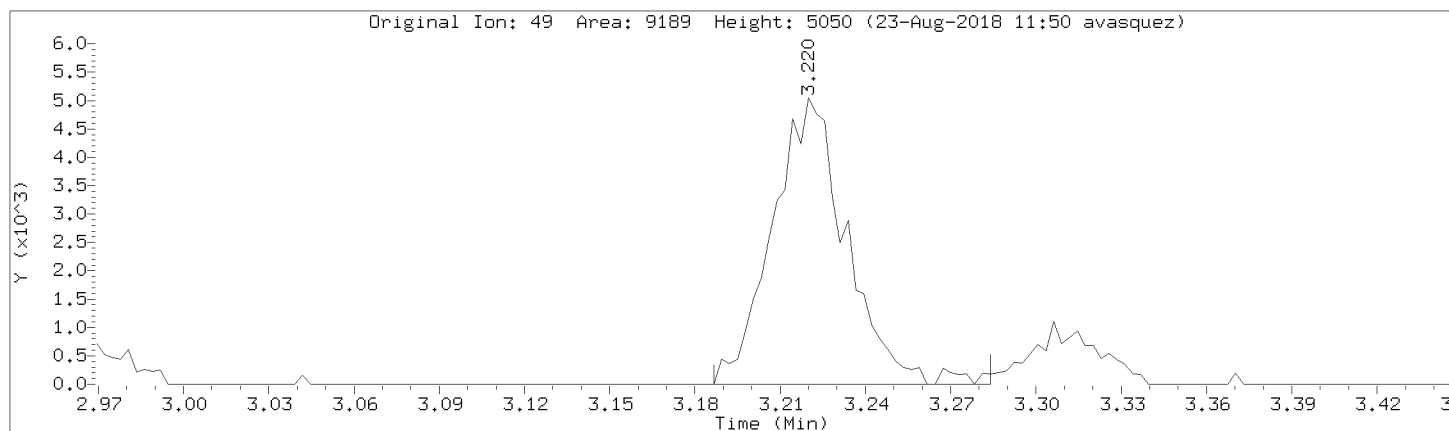
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: Bromochloromethane

Review Code: GT

CAS Number: 74-97-5

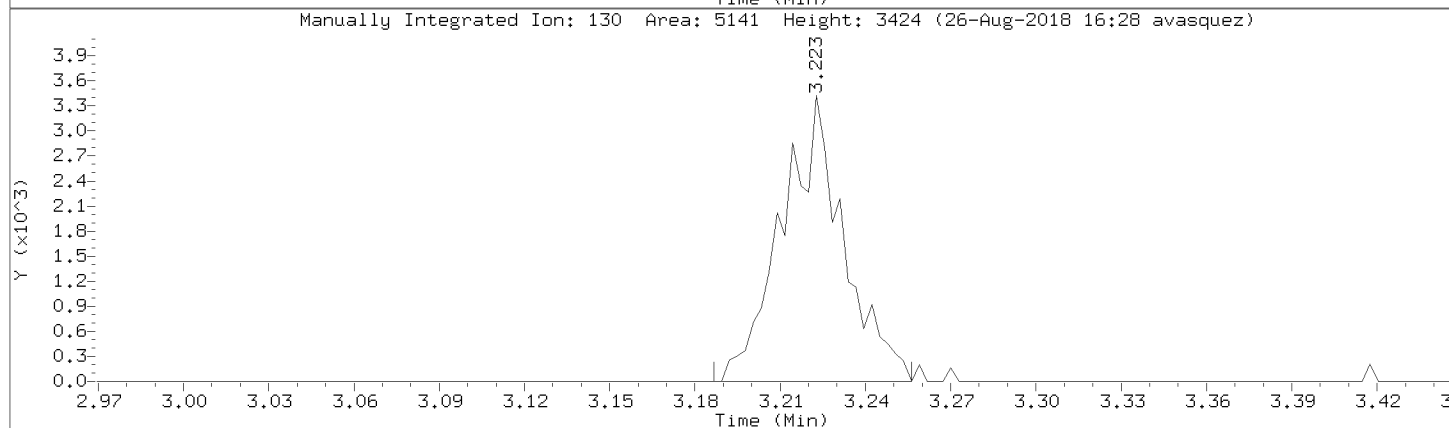
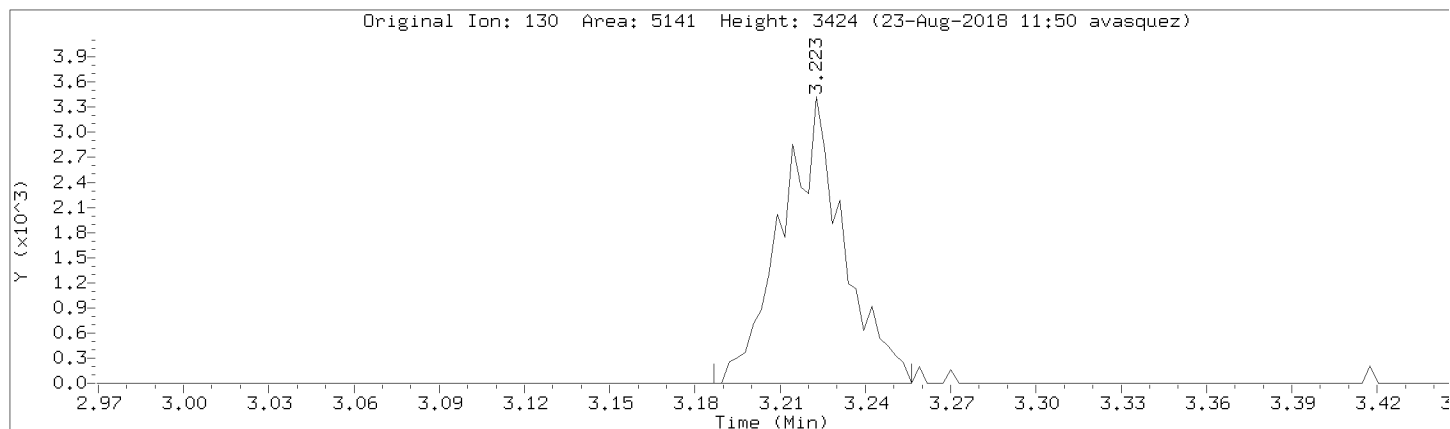


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Injection Date: 22-AUG-2018 15:57

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4



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Injection Date: 22-AUG-2018 15:57

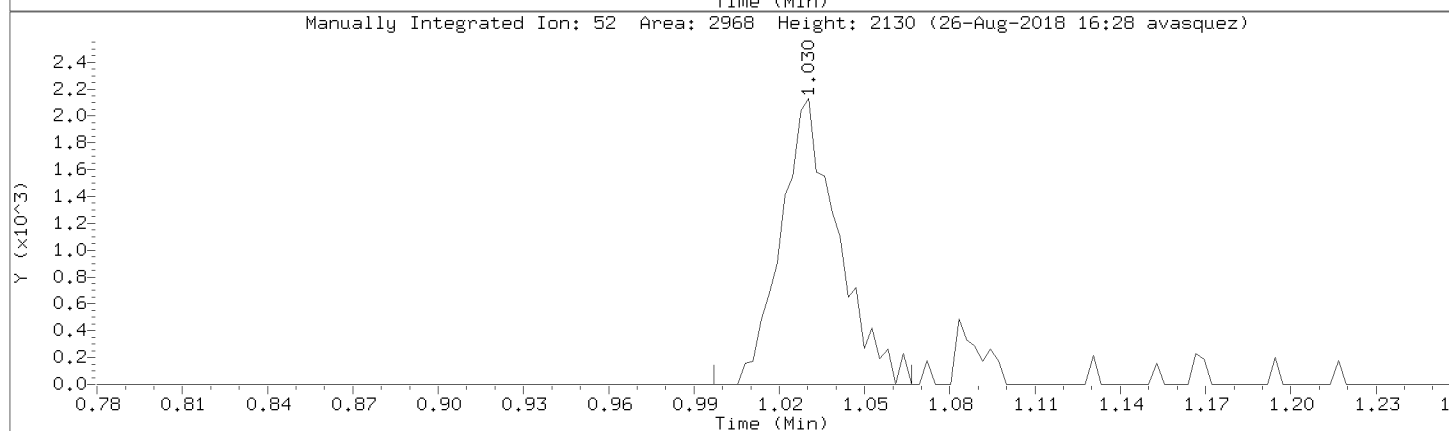
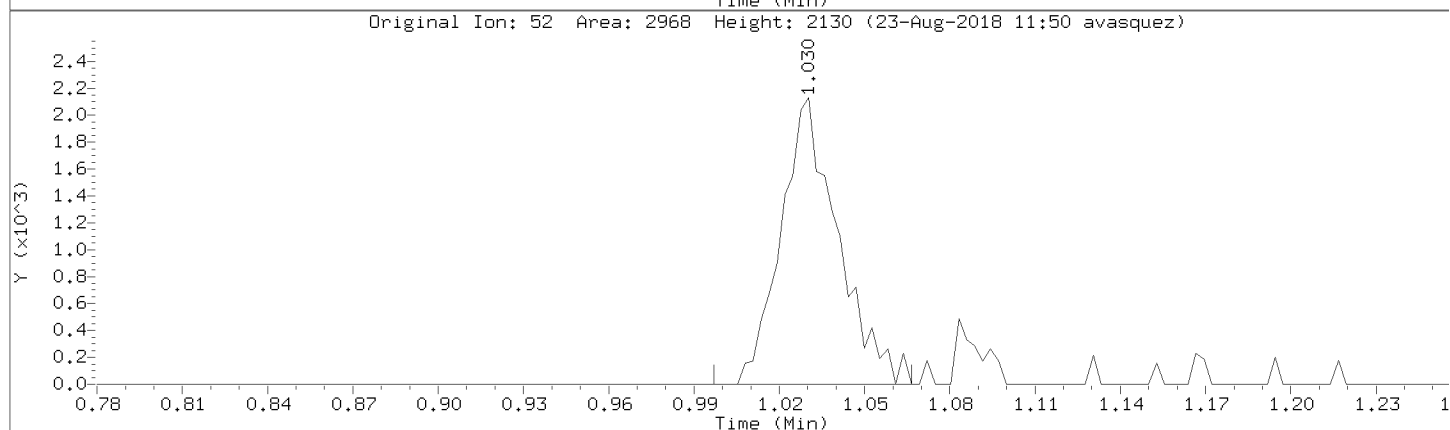
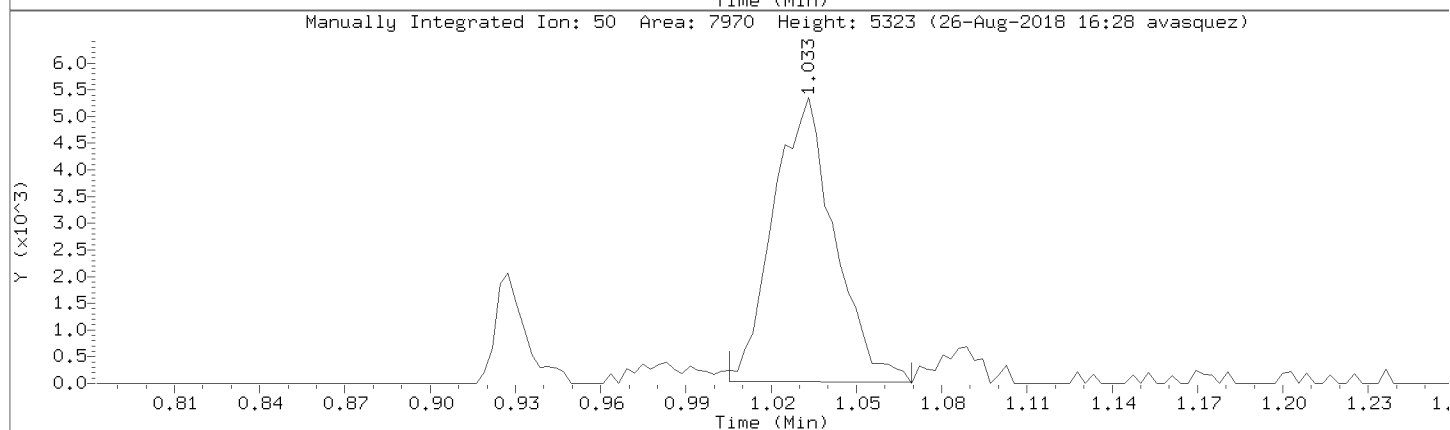
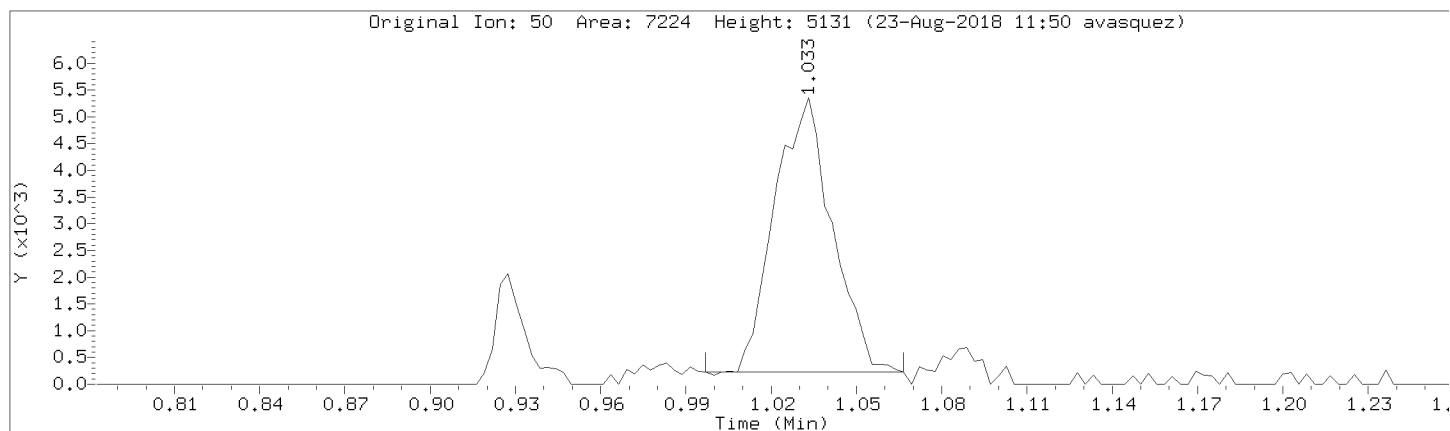
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: Chloromethane

Review Code: LT

CAS Number: 74-87-3



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Injection Date: 22-AUG-2018 15:57

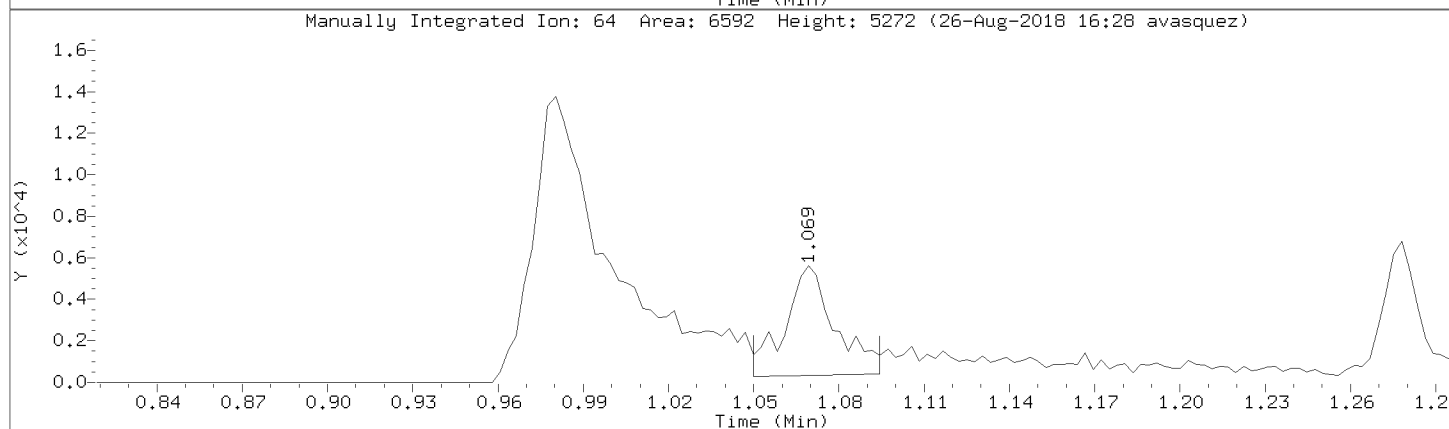
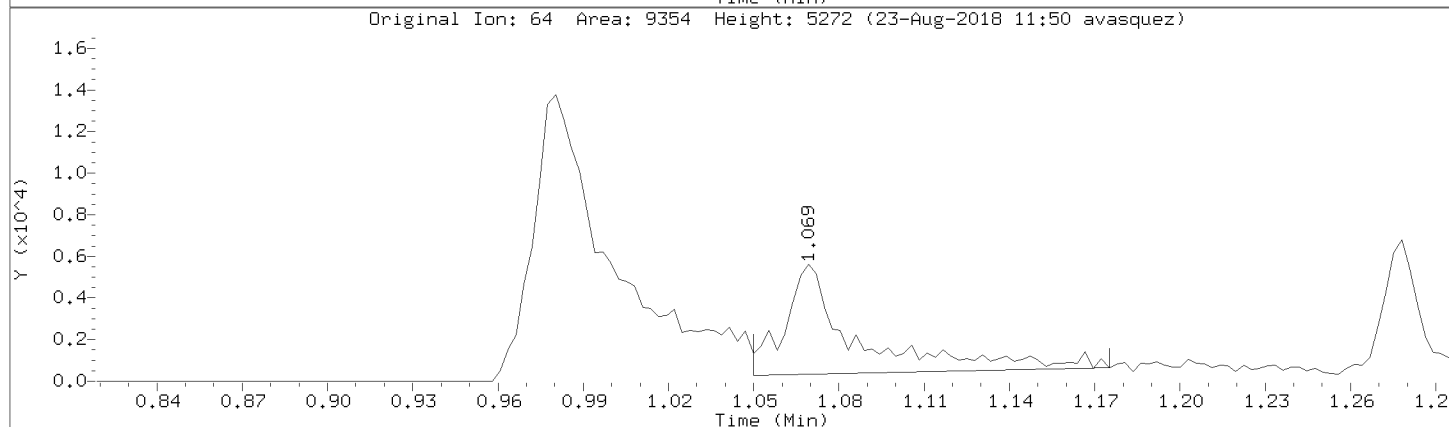
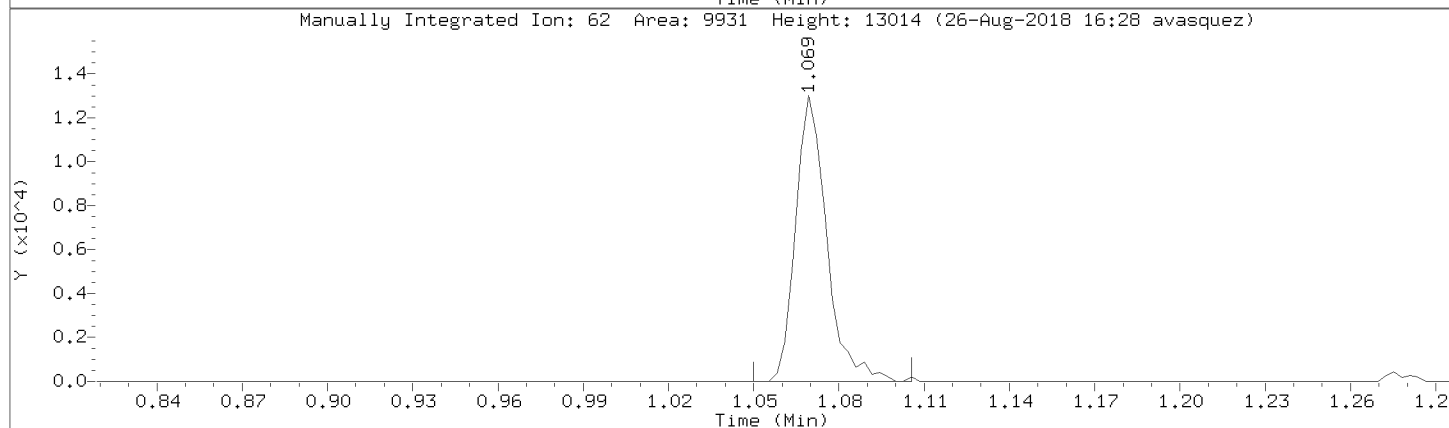
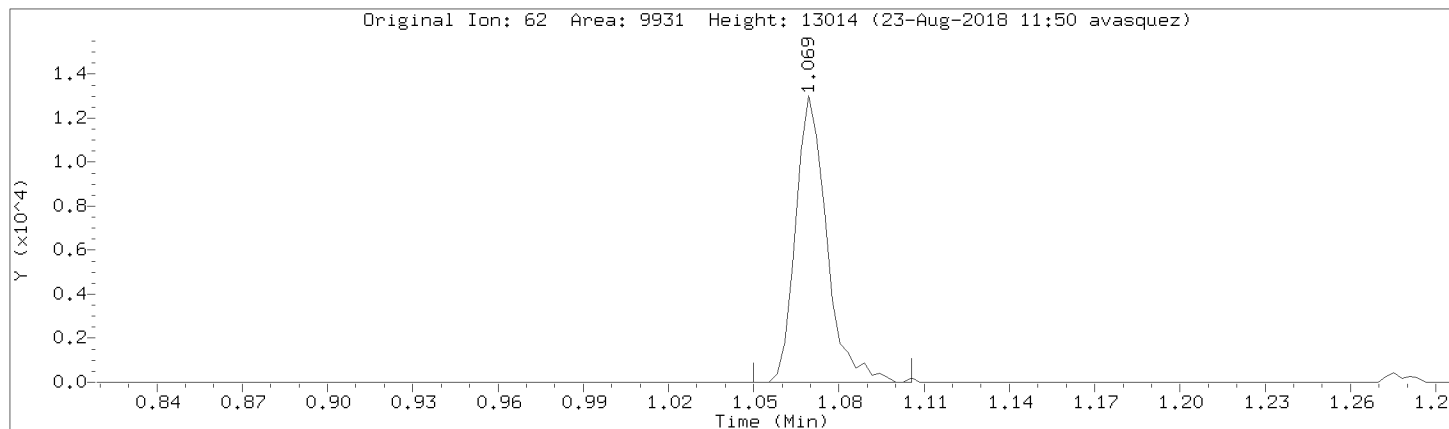
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: Vinyl Chloride

Review Code: GT

CAS Number: 75-01-4



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Injection Date: 22-AUG-2018 15:57

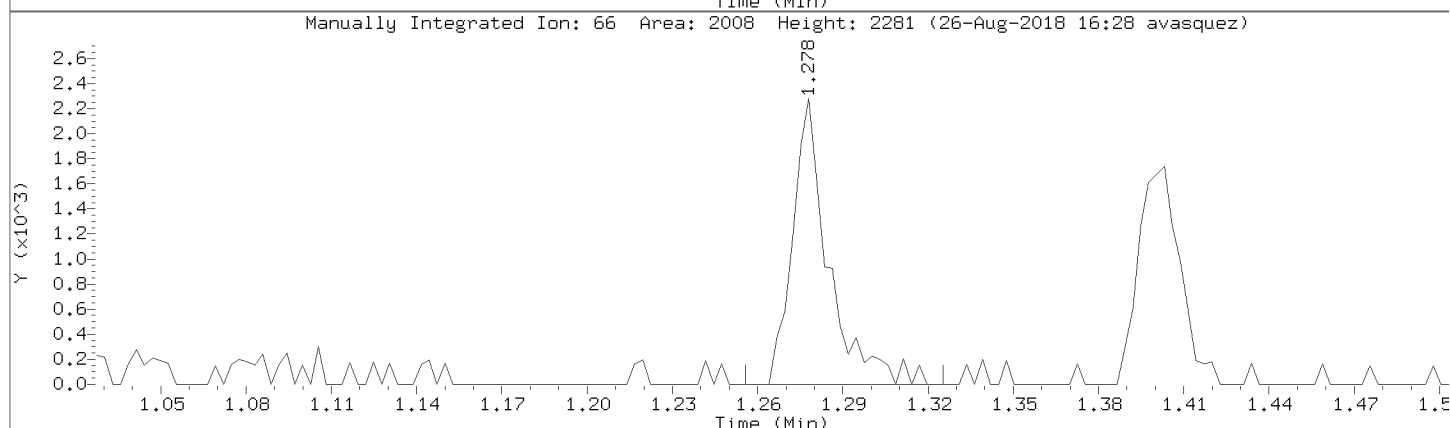
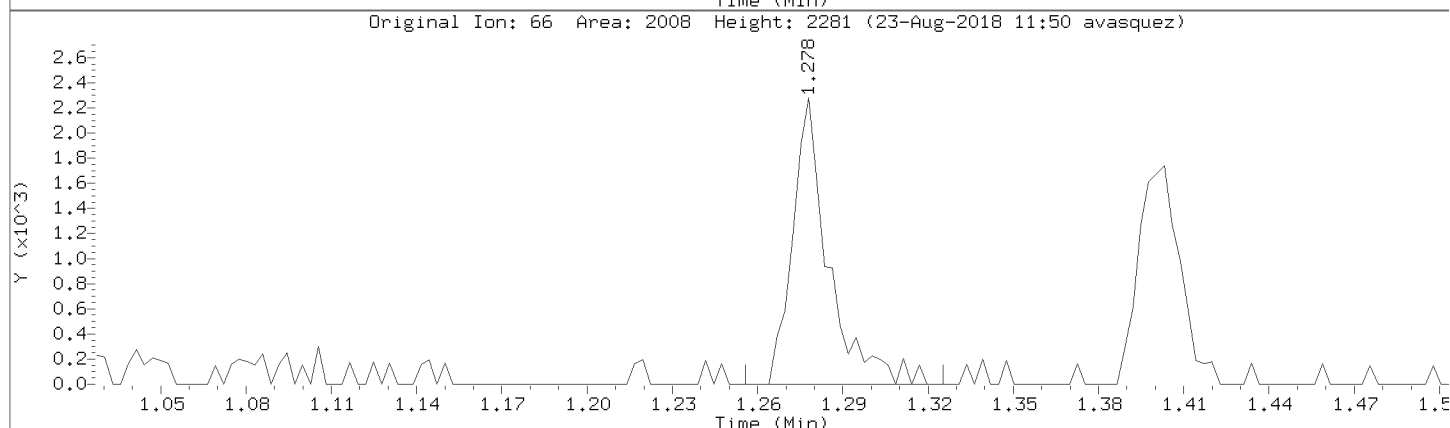
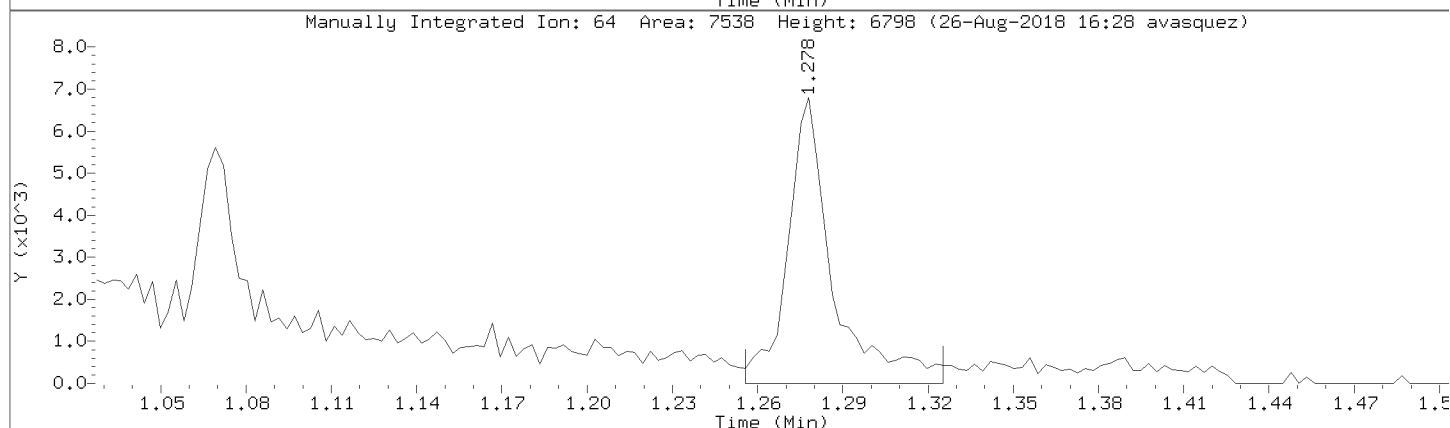
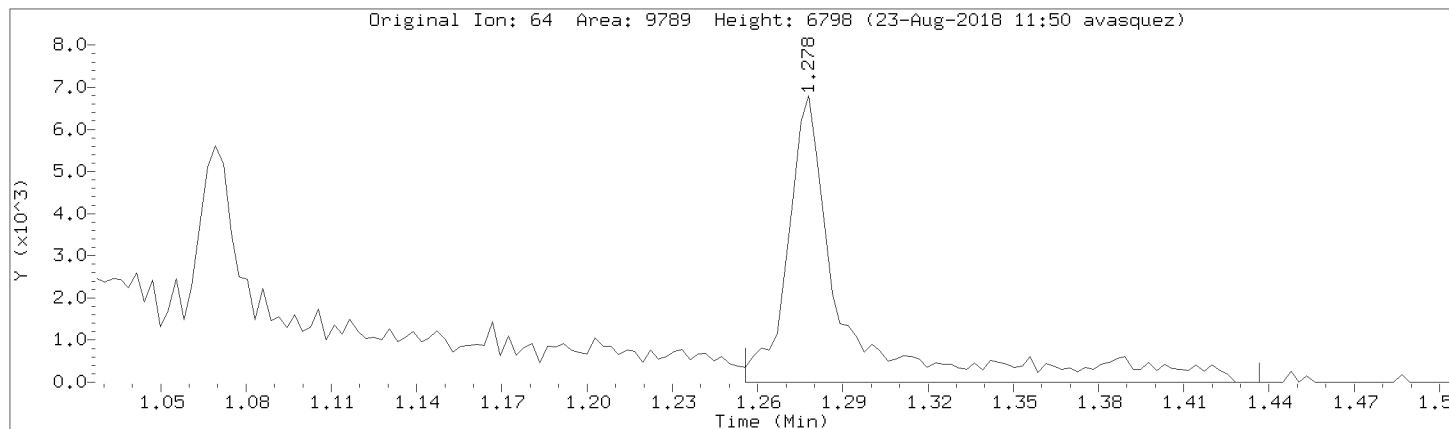
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: Chloroethane

Review Code: GT

CAS Number: 75-00-3



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Injection Date: 22-AUG-2018 15:57

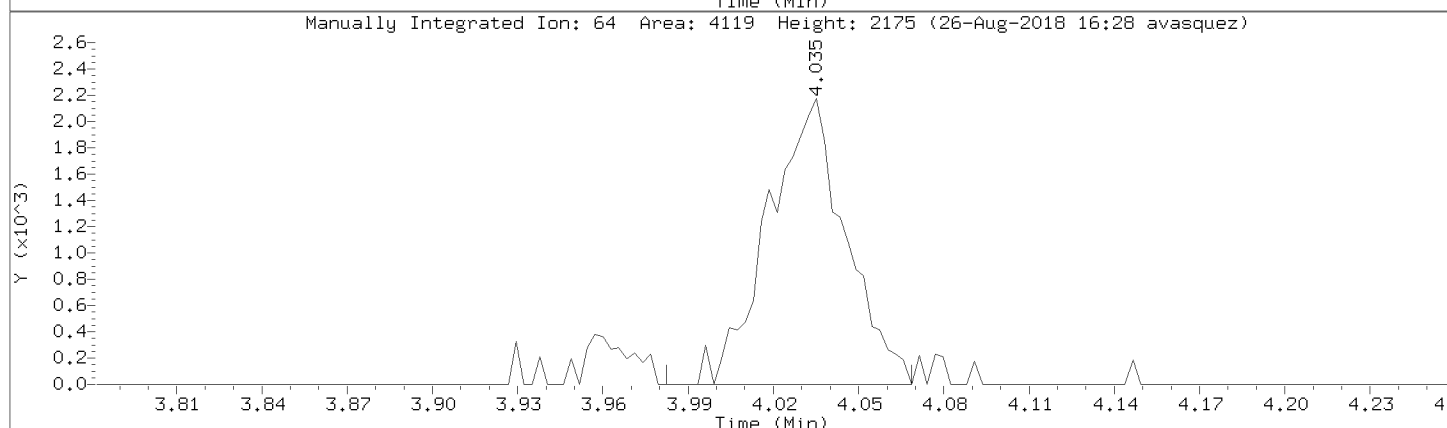
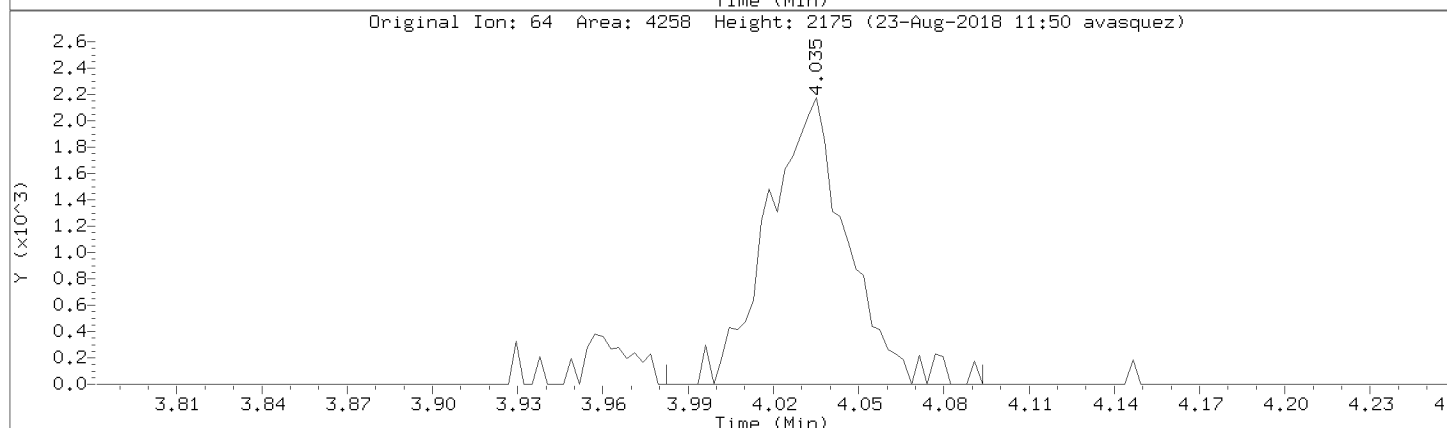
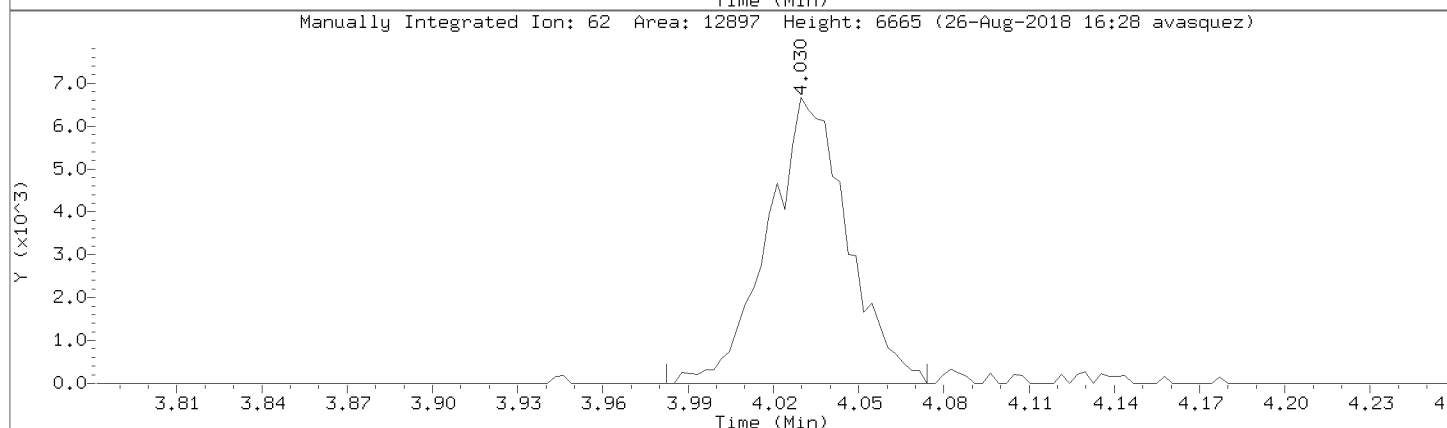
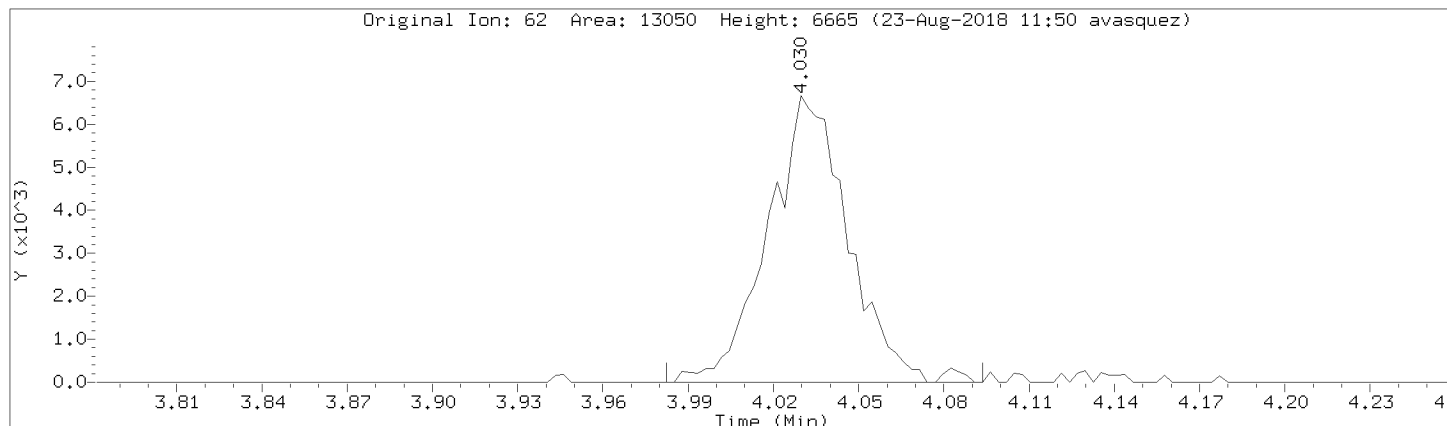
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: 1,2-Dichloroethane

Review Code: GT

CAS Number: 107-06-2

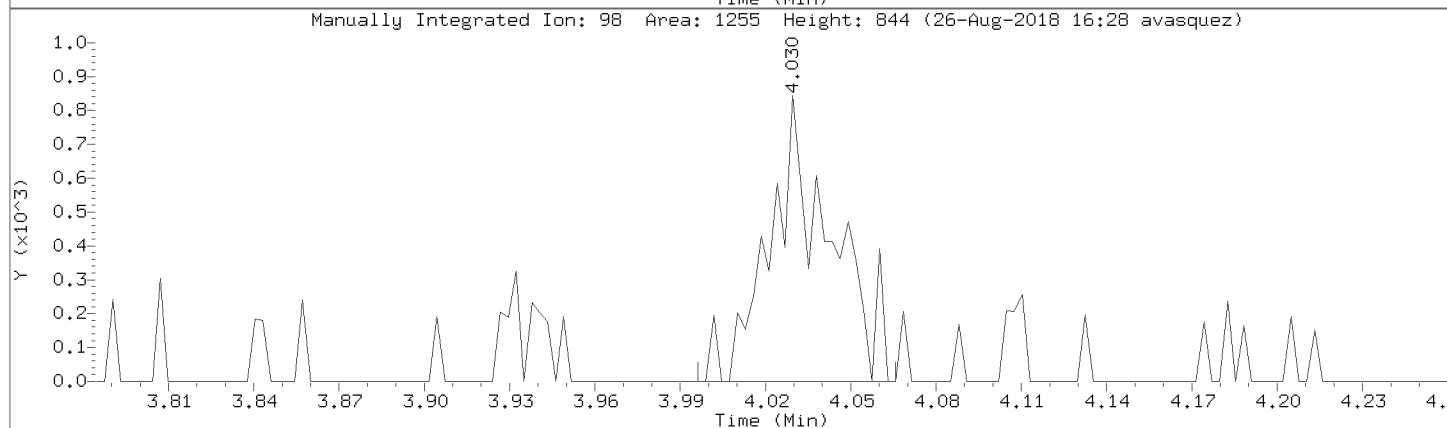
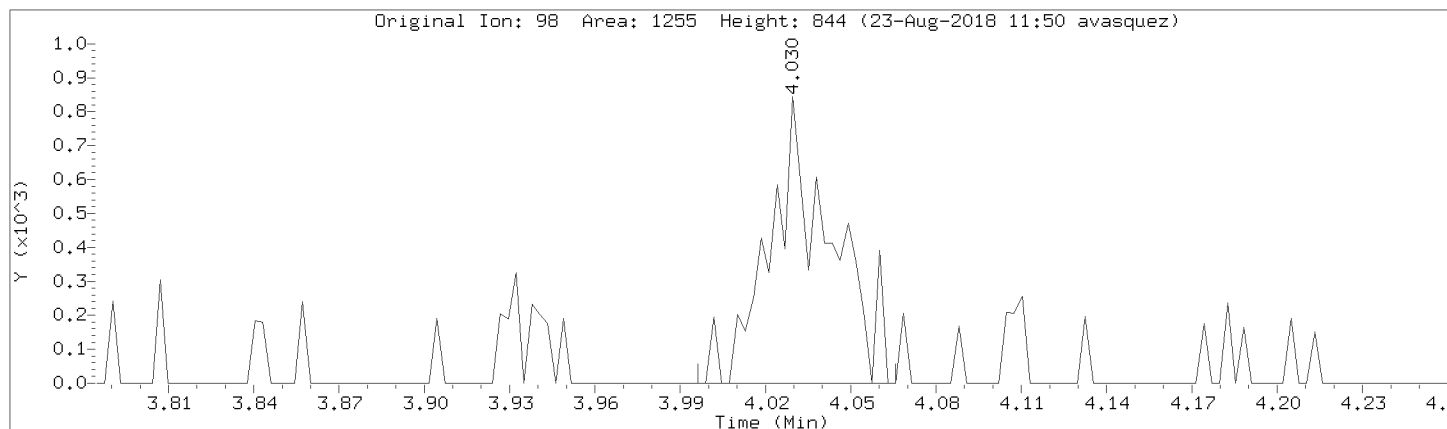


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Injection Date: 22-AUG-2018 15:57

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4



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Injection Date: 22-AUG-2018 15:57

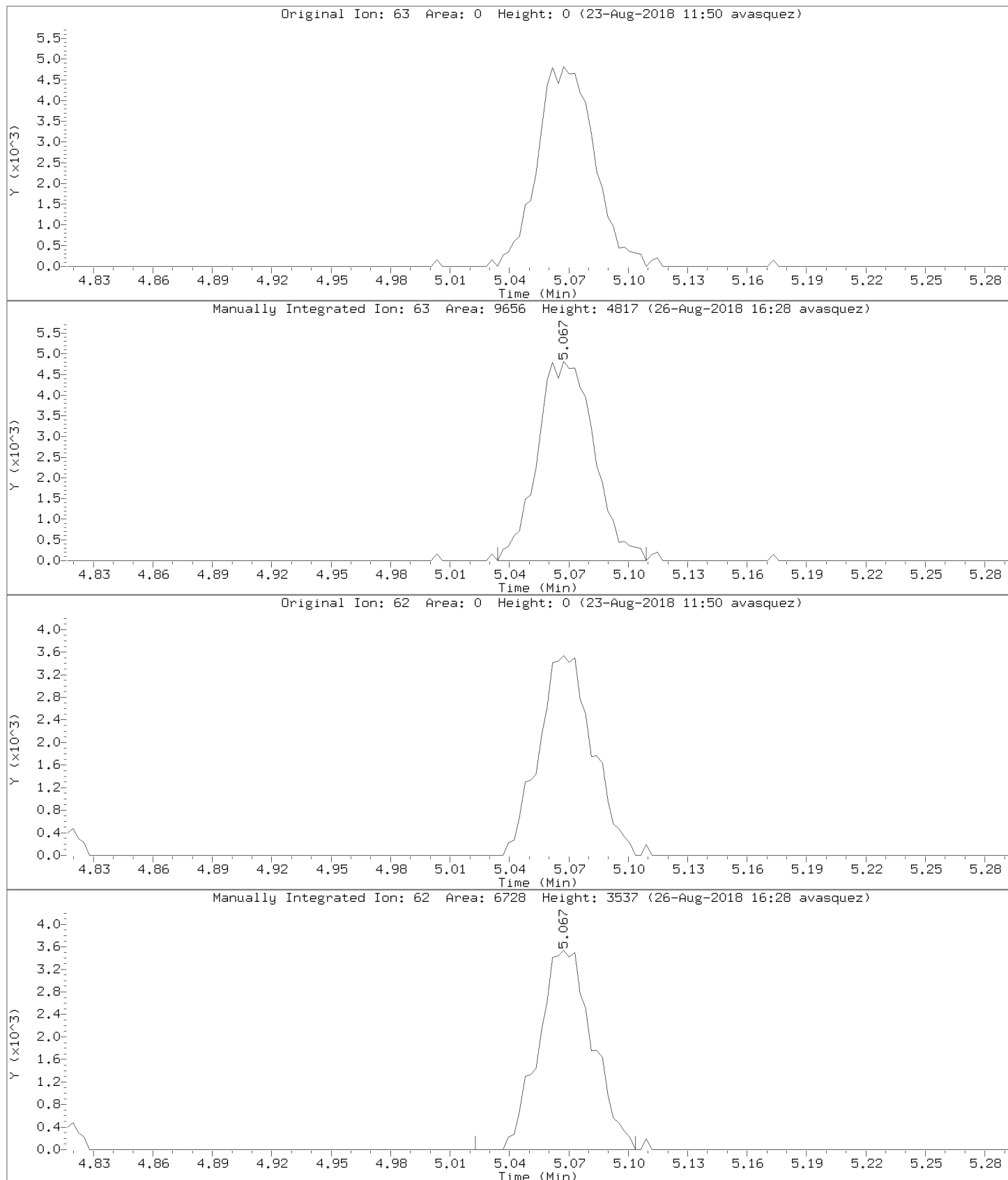
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Lab Sample ID: 8260-CAL4

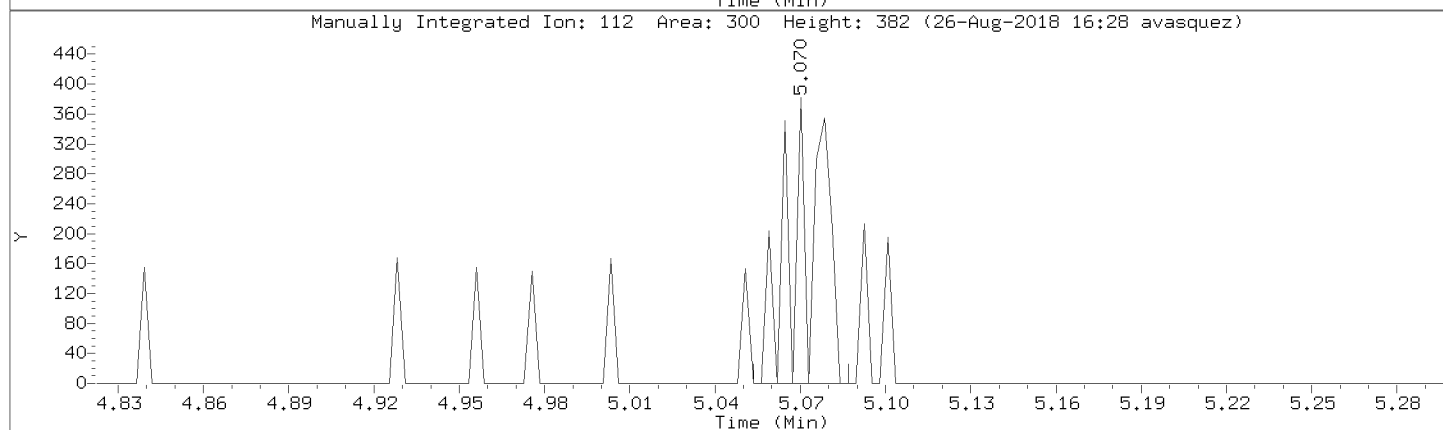
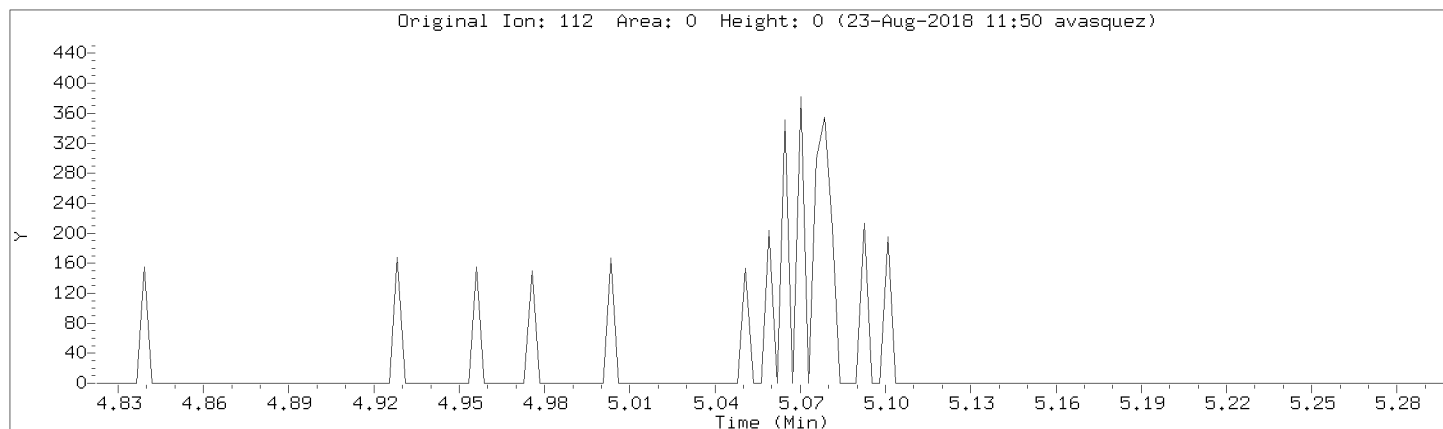
Compound: 1,2-Dichloropropane

Review Code: NI

CAS Number: 78-87-5



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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4



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Injection Date: 22-AUG-2018 15:57

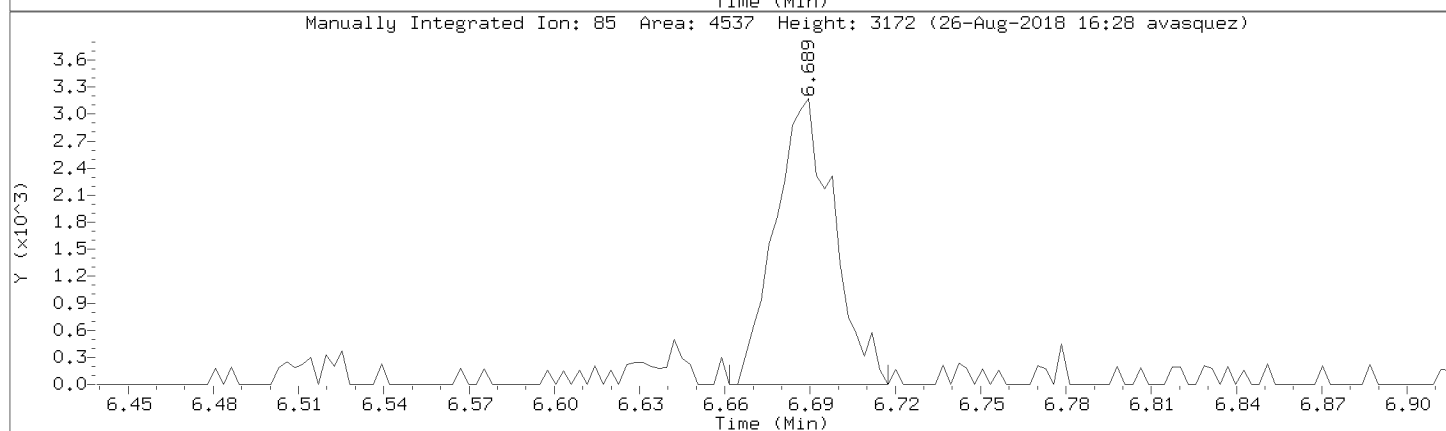
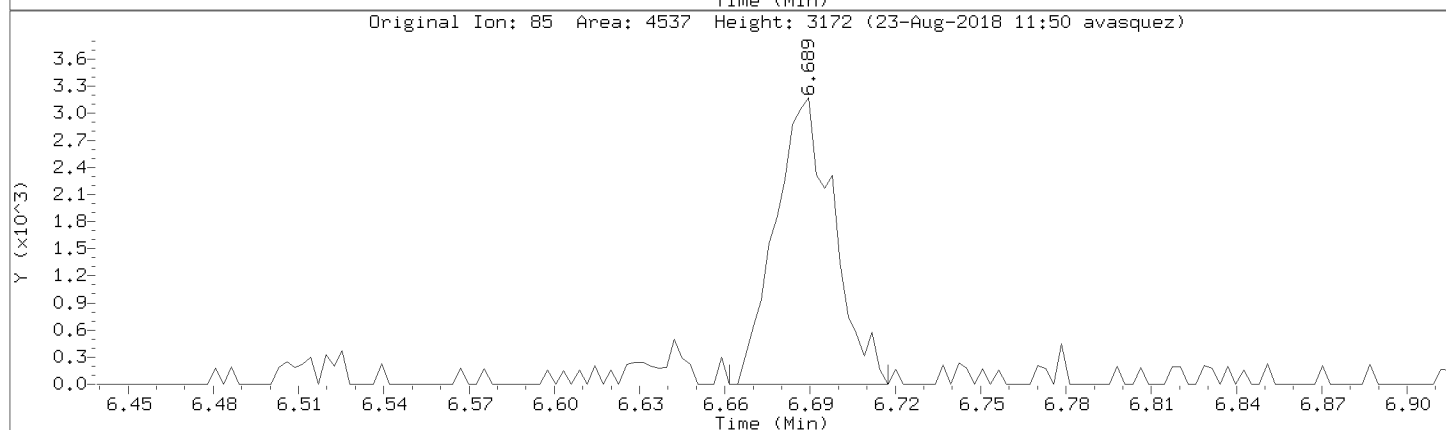
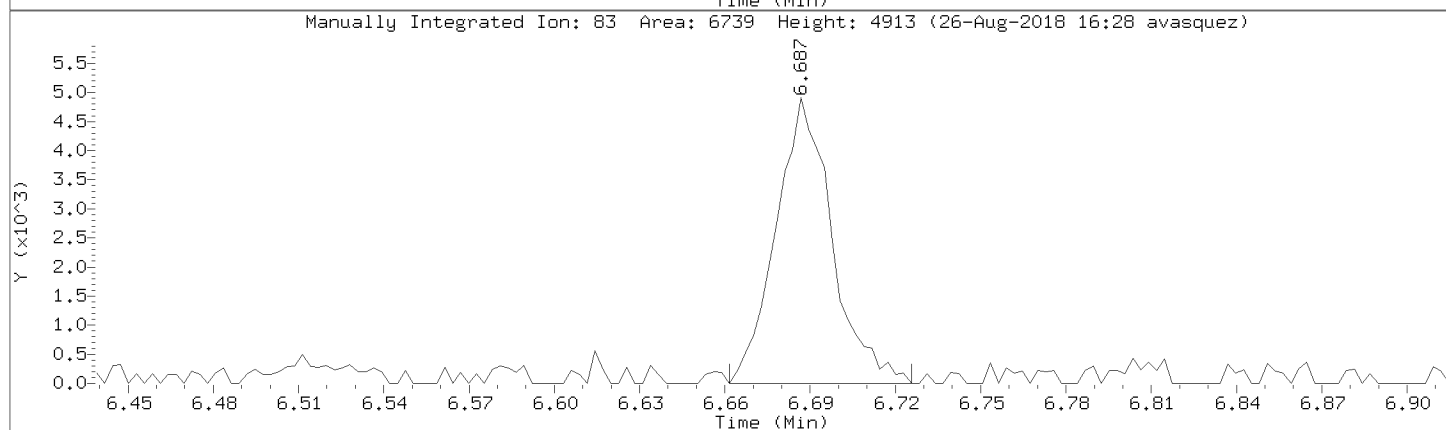
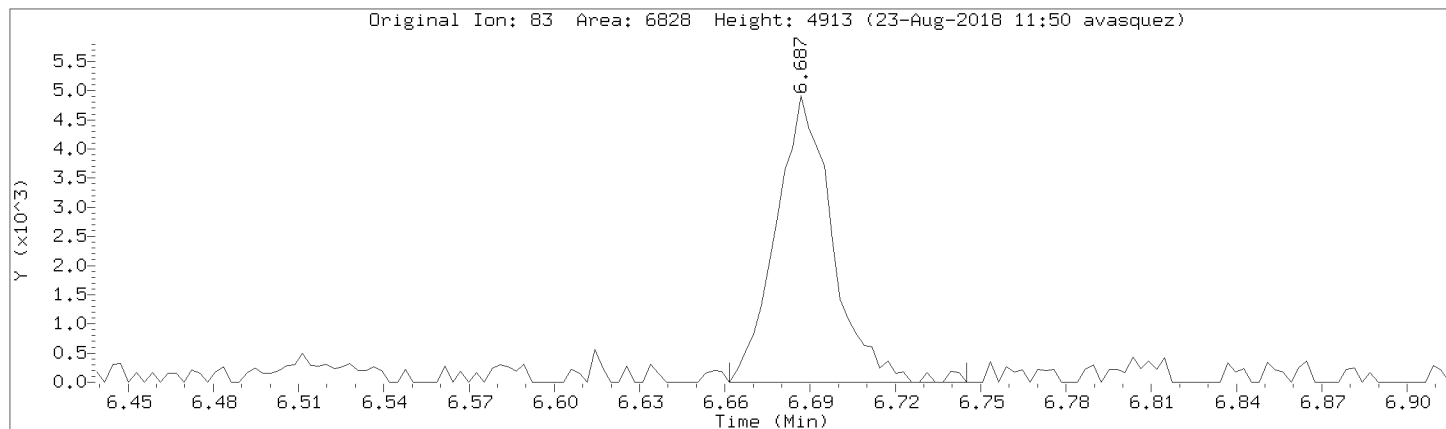
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Lab Sample ID: 8260-CAL4

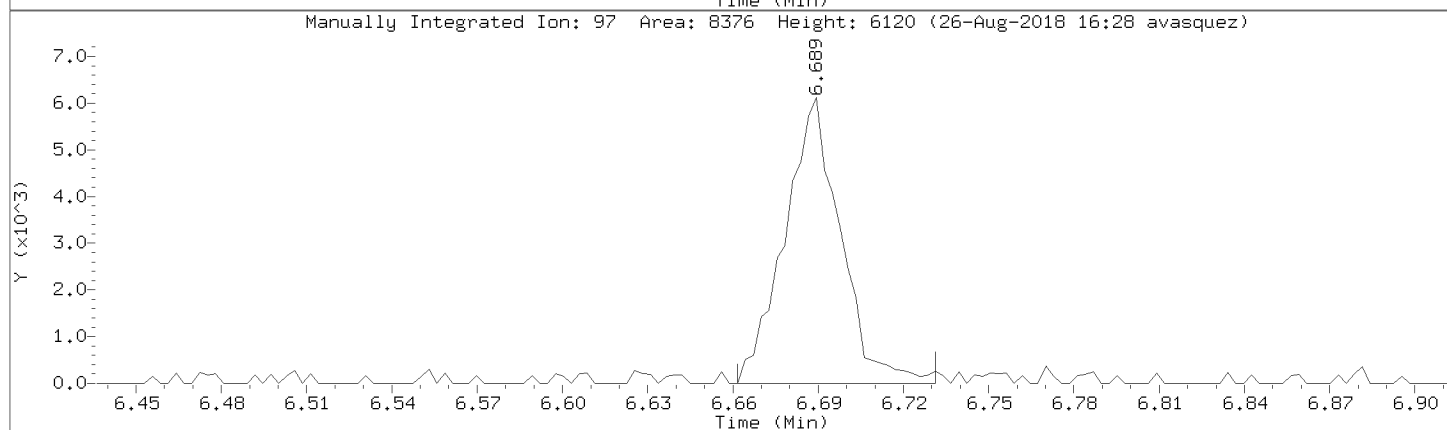
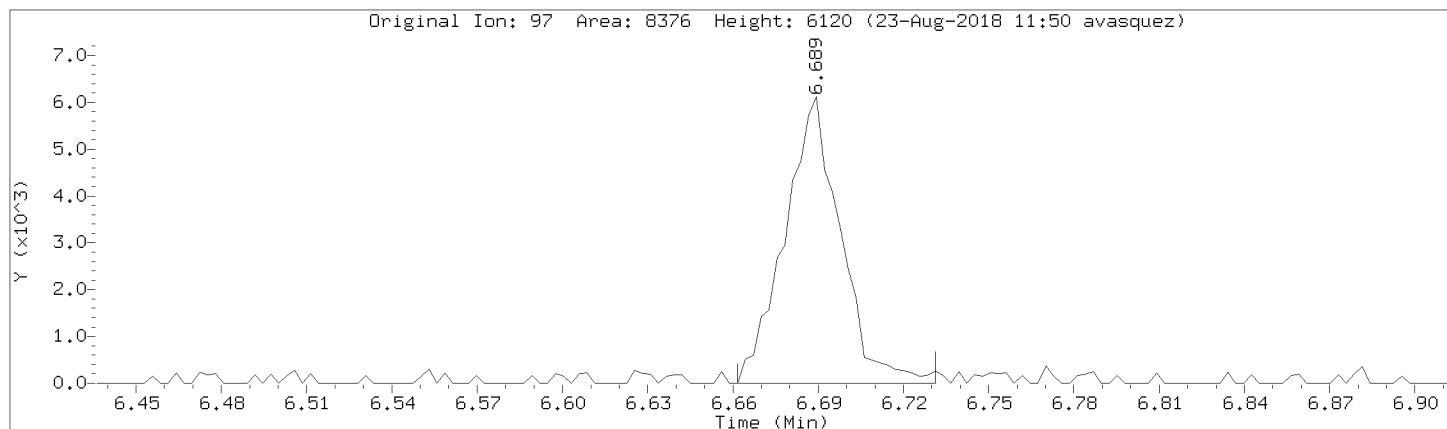
Compound: 1,1,2-Trichloroethane

Review Code: GT

CAS Number: 79-00-5



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Lab Sample ID: 8260-CAL4



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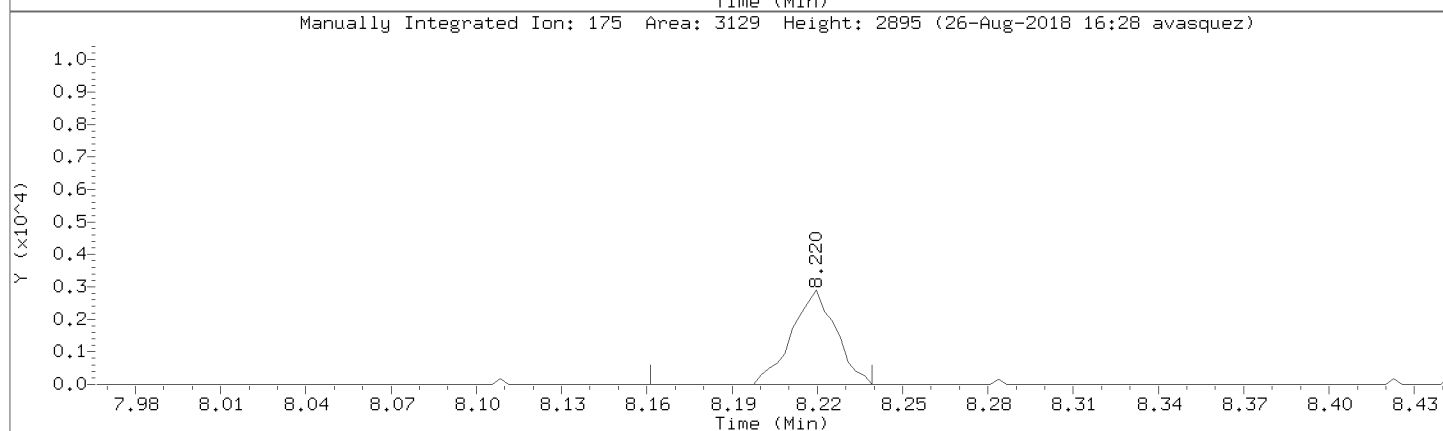
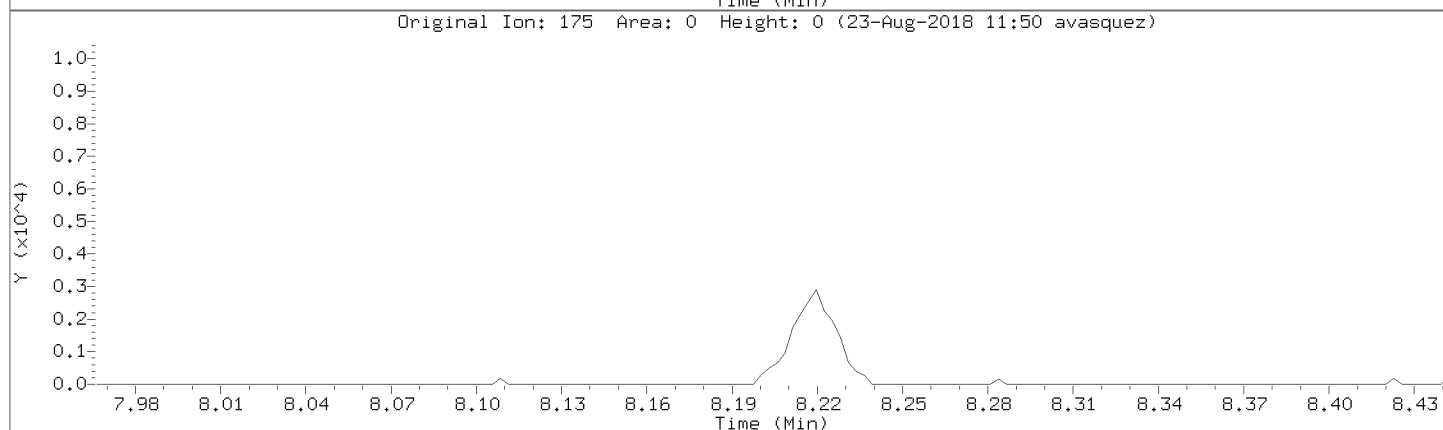
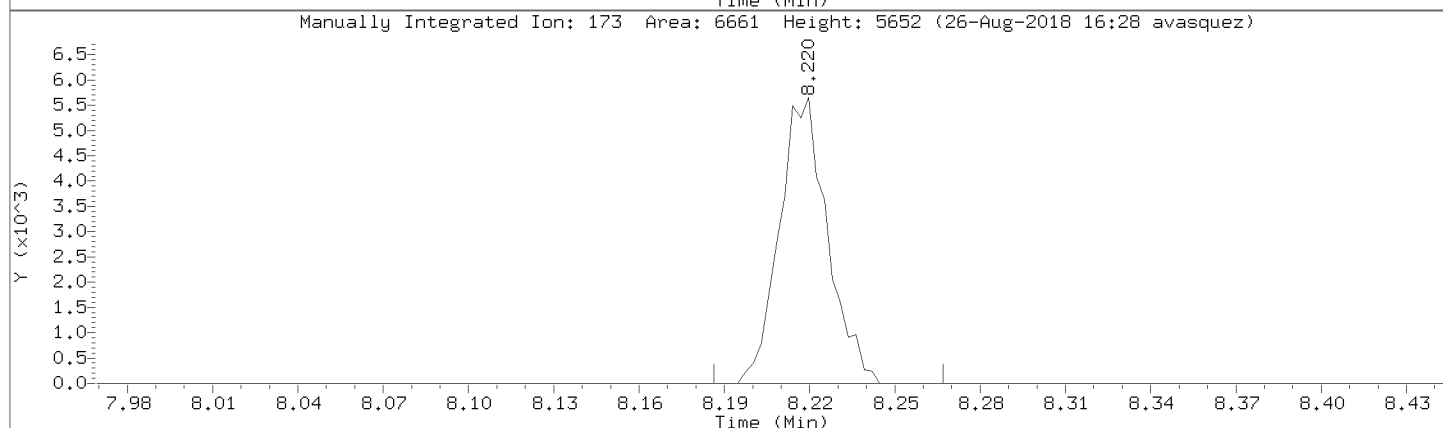
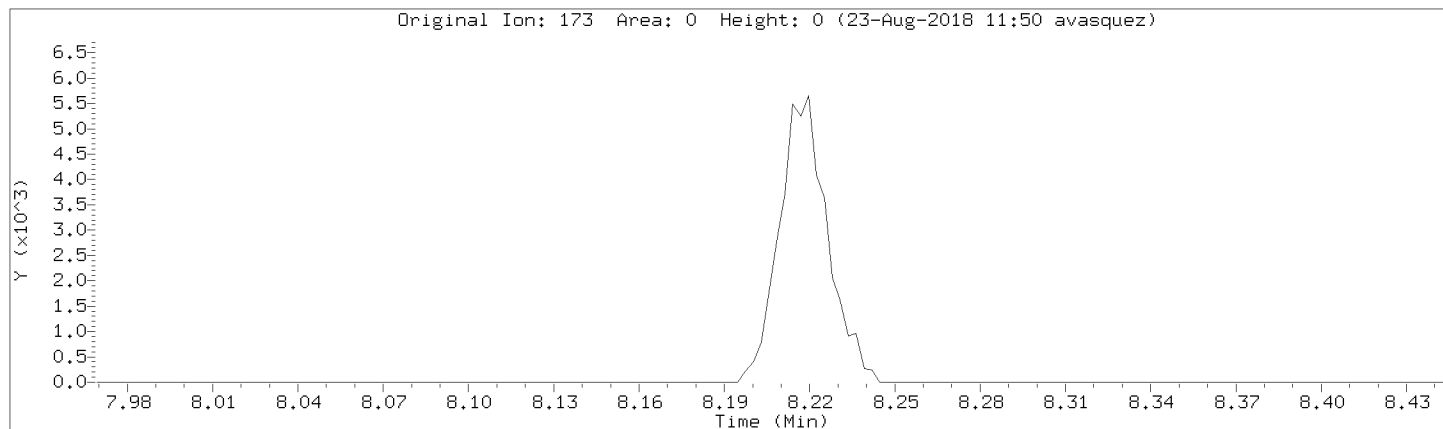
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Instrument: 50mv2a.i

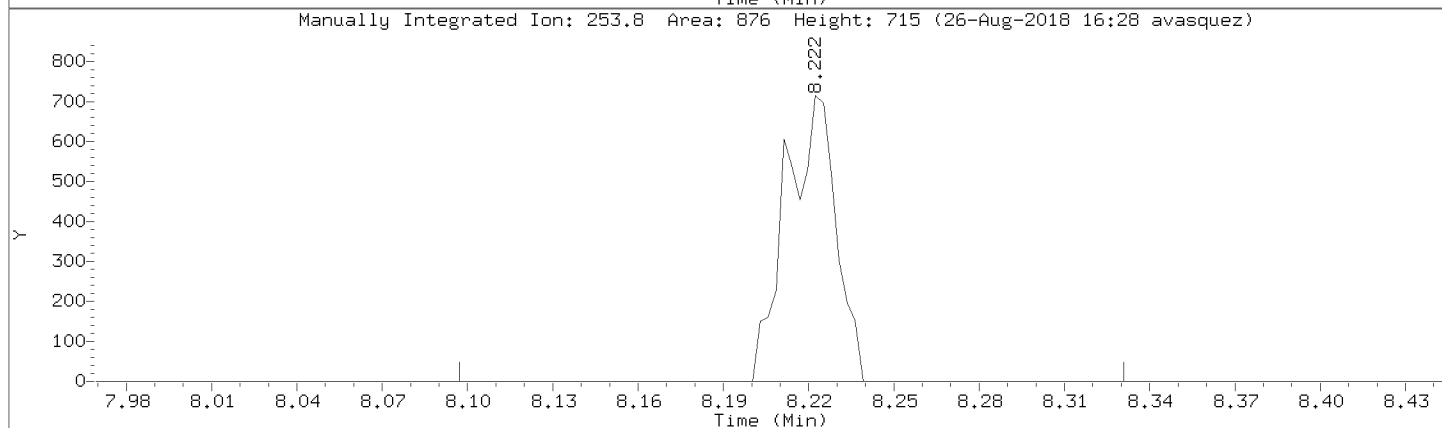
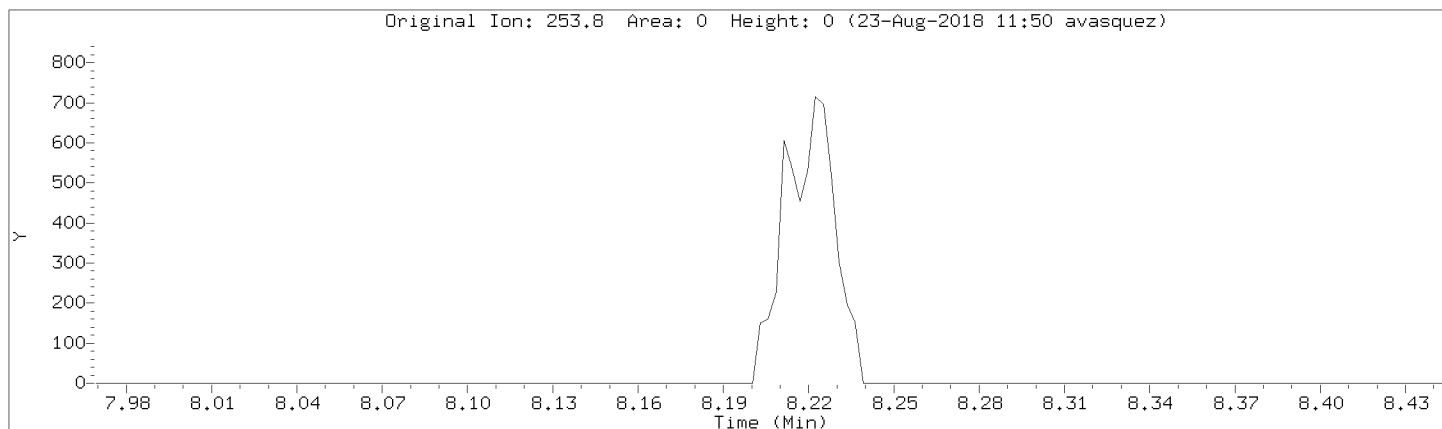
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Compound: Bromoform Review Code: NI

CAS Number: 75-25-2

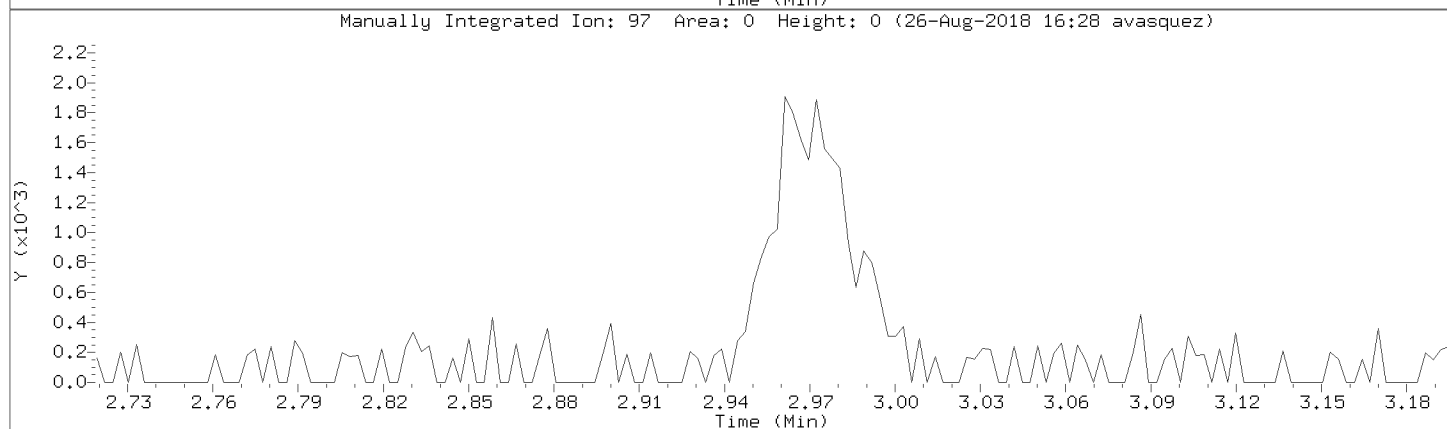
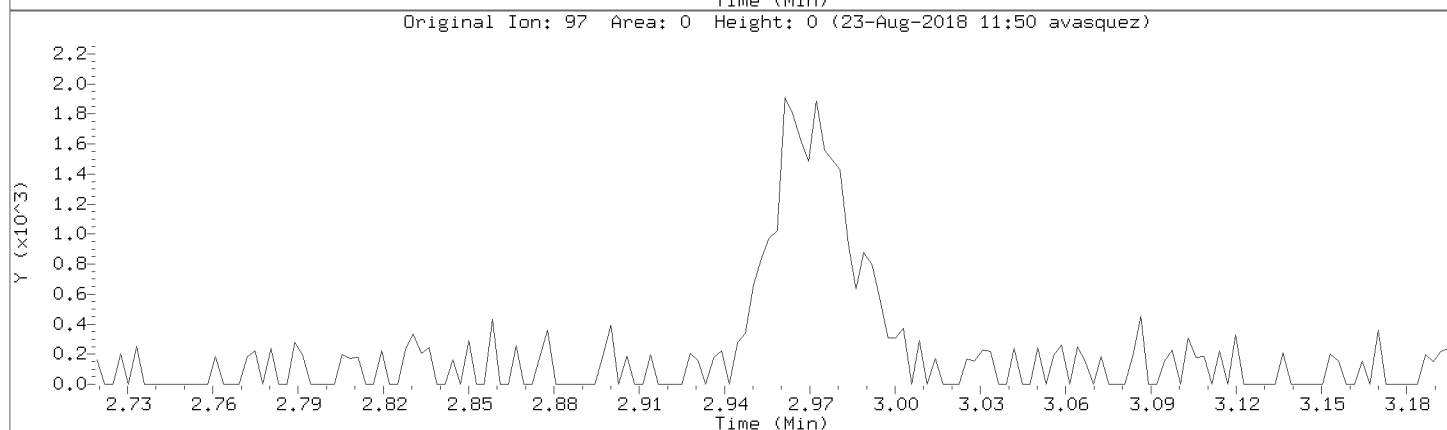
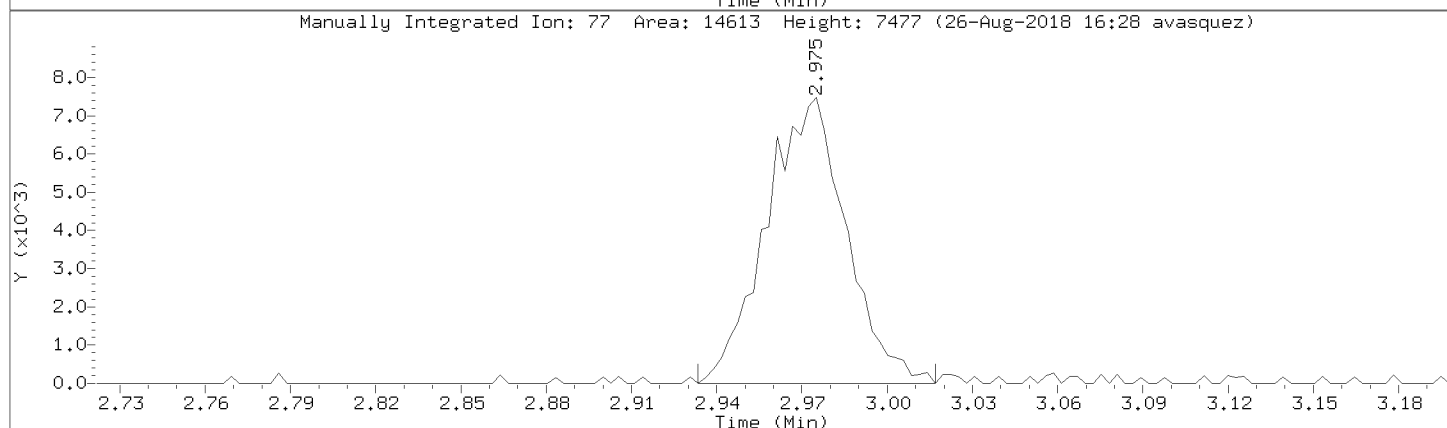
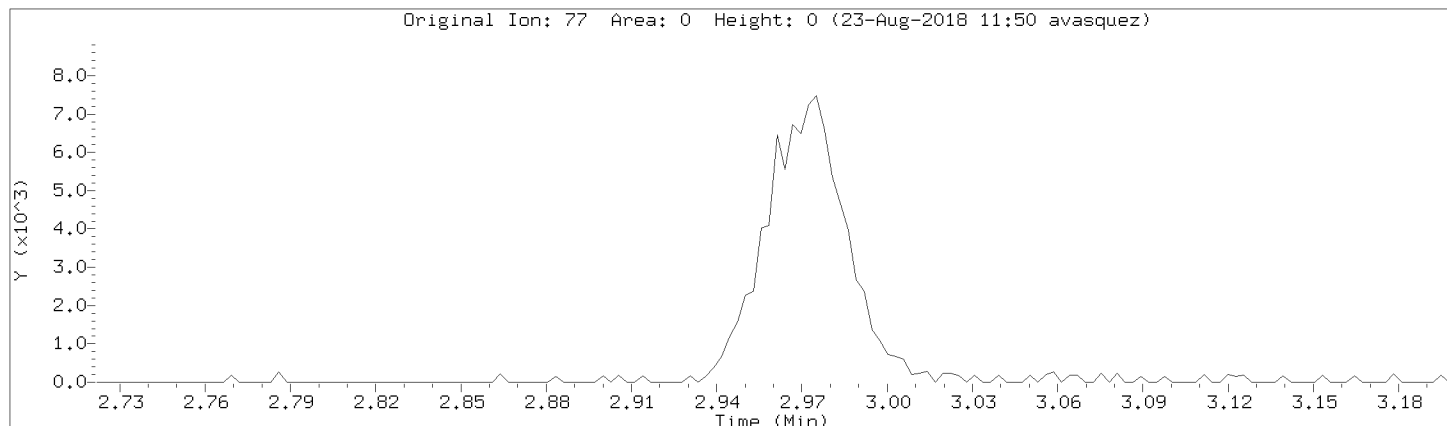


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Injection Date: 22-AUG-2018 15:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4



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Injection Date: 22-AUG-2018 15:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4

Compound: 2,2-Dichloropropane Review Code: NI
CAS Number: 594-20-7



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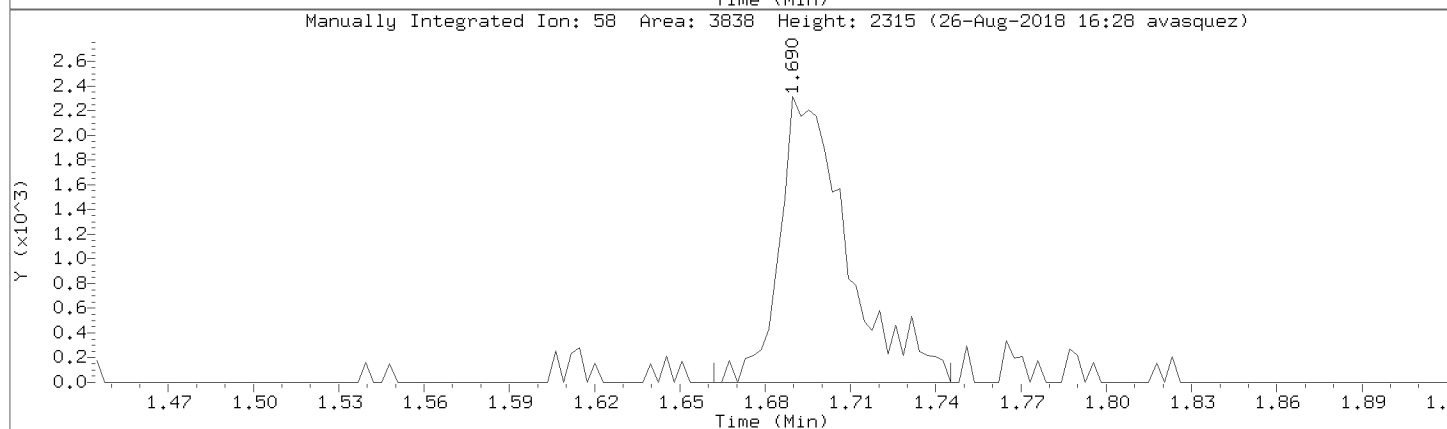
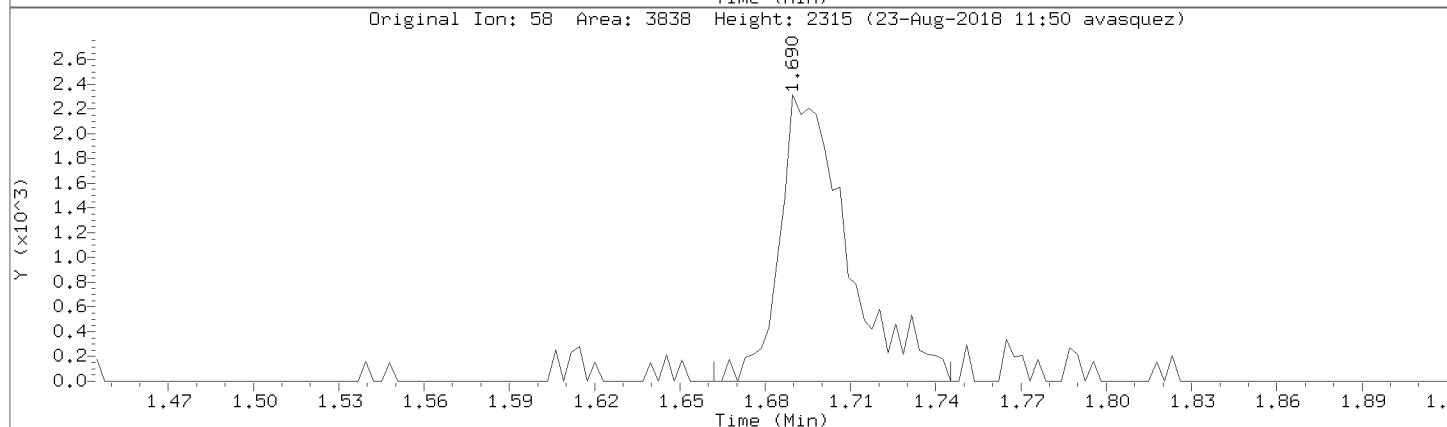
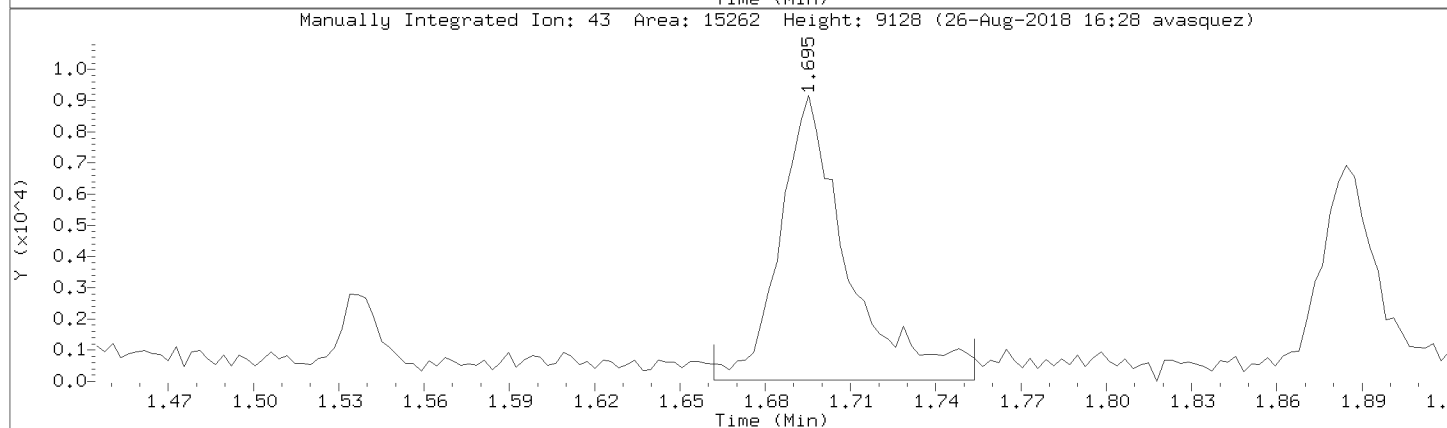
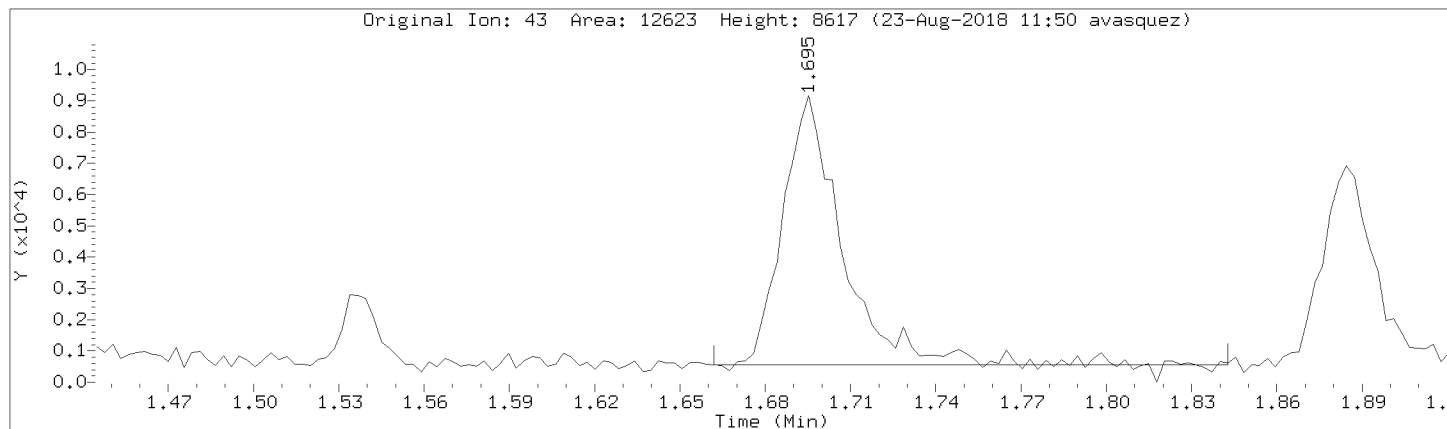
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Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

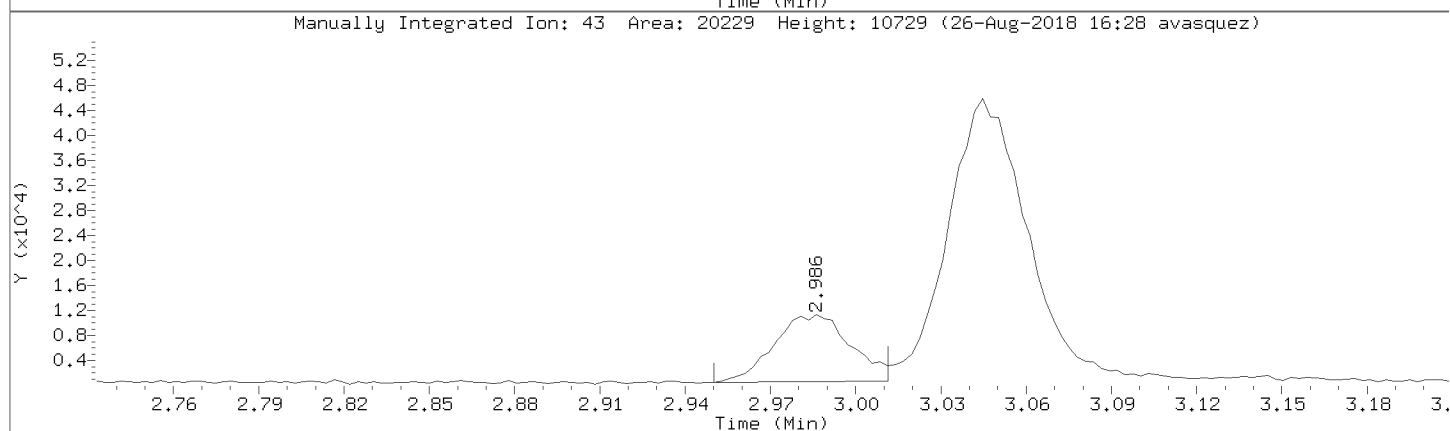
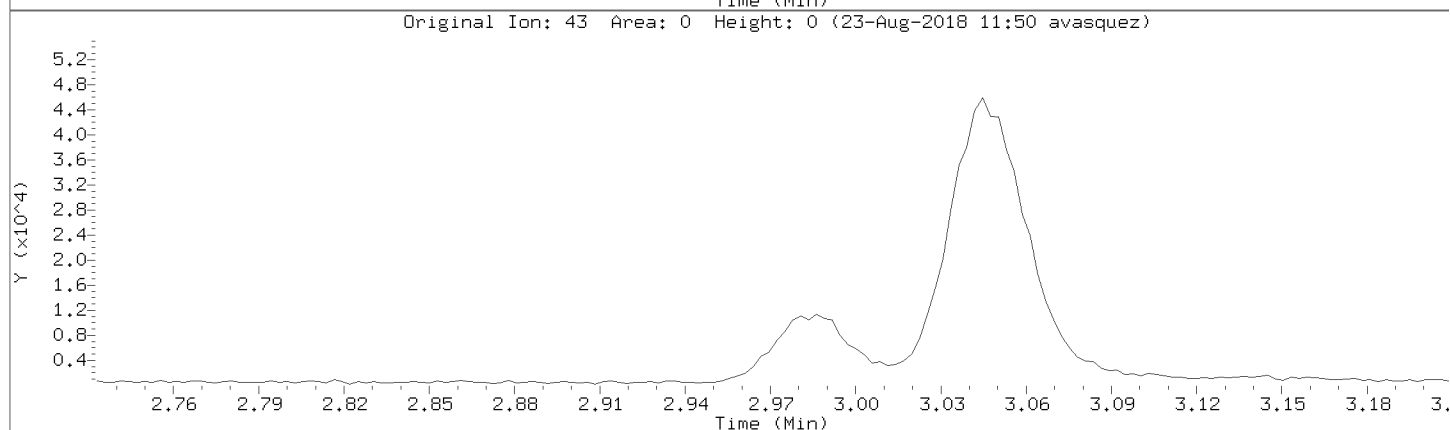
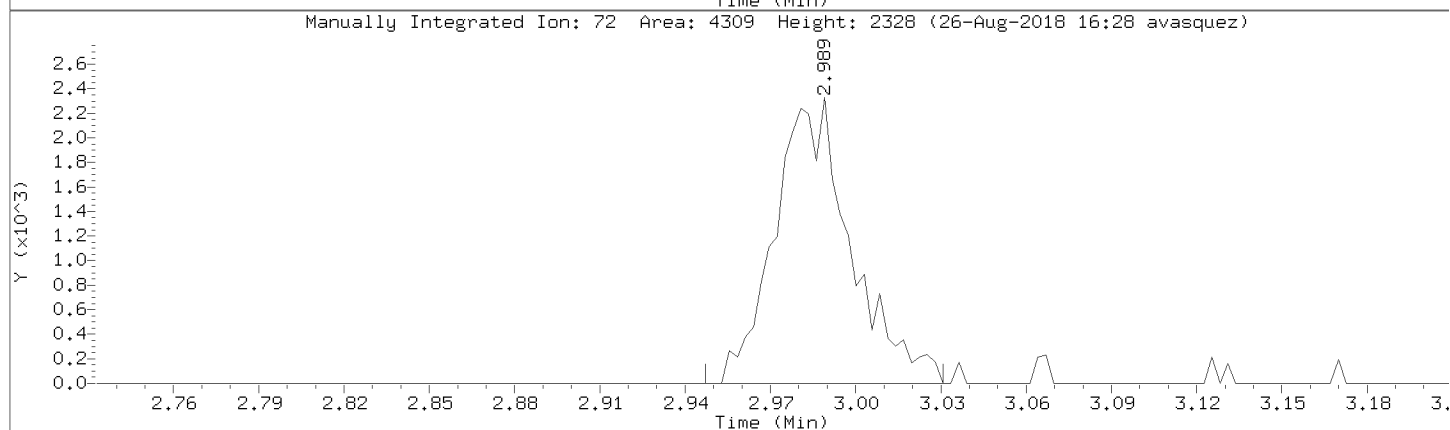
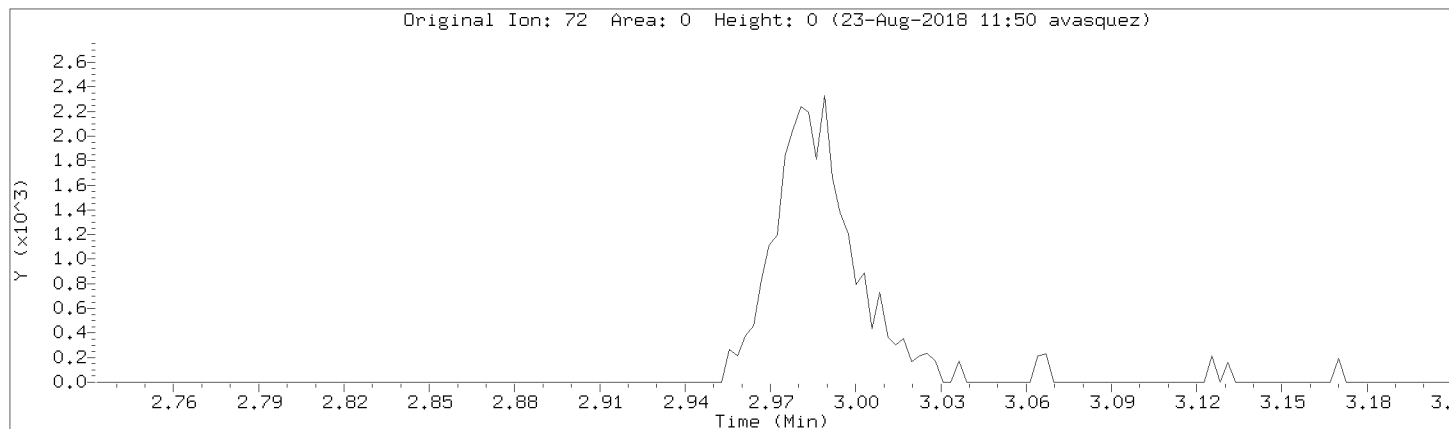
Compound: Acetone Review Code: GT

CAS Number: 67-64-1

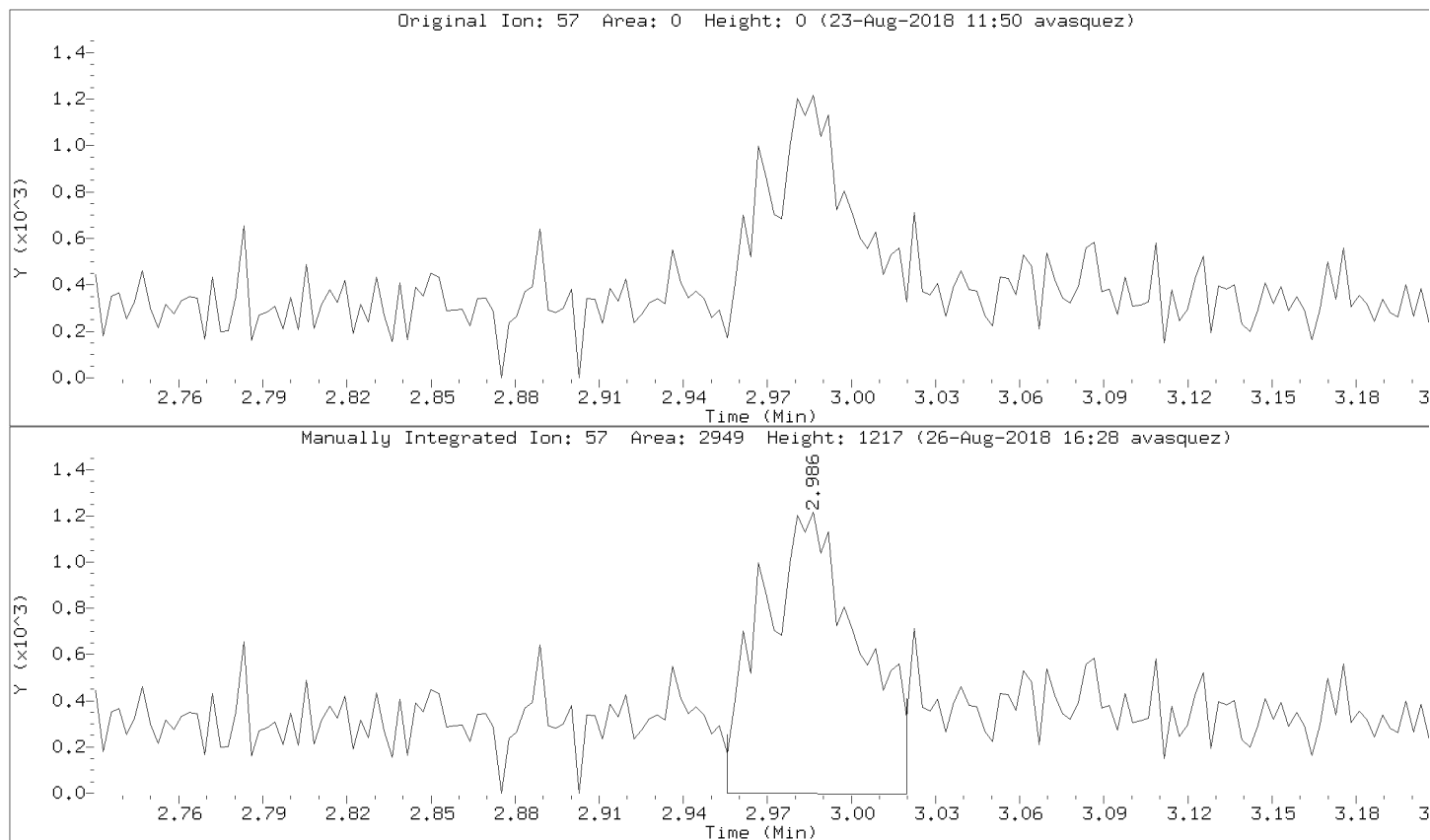


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Injection Date: 22-AUG-2018 15:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4

Compound: 2-Butanone Review Code: NI
CAS Number: 78-93-3

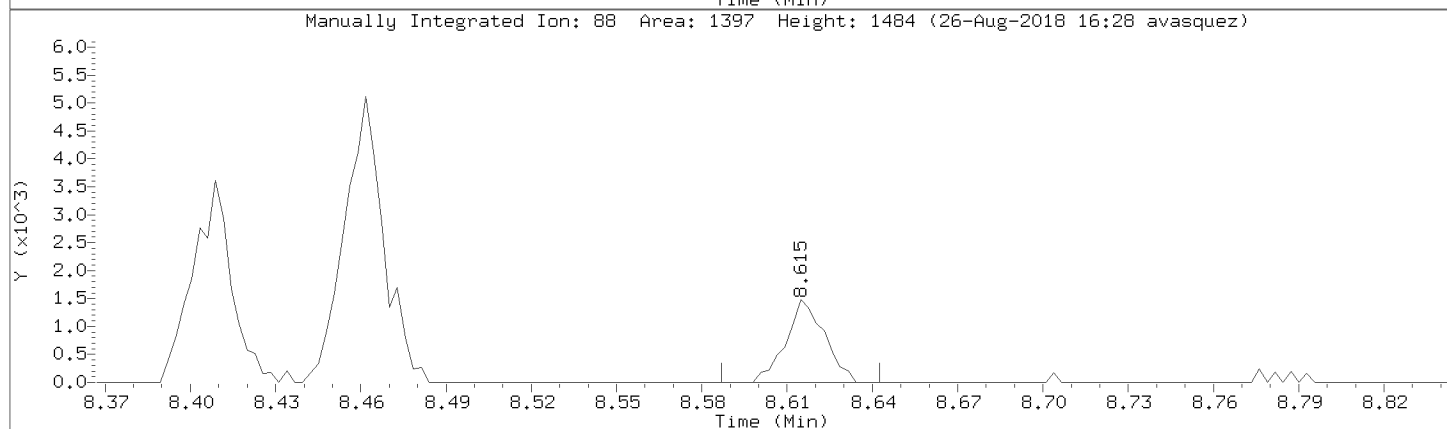
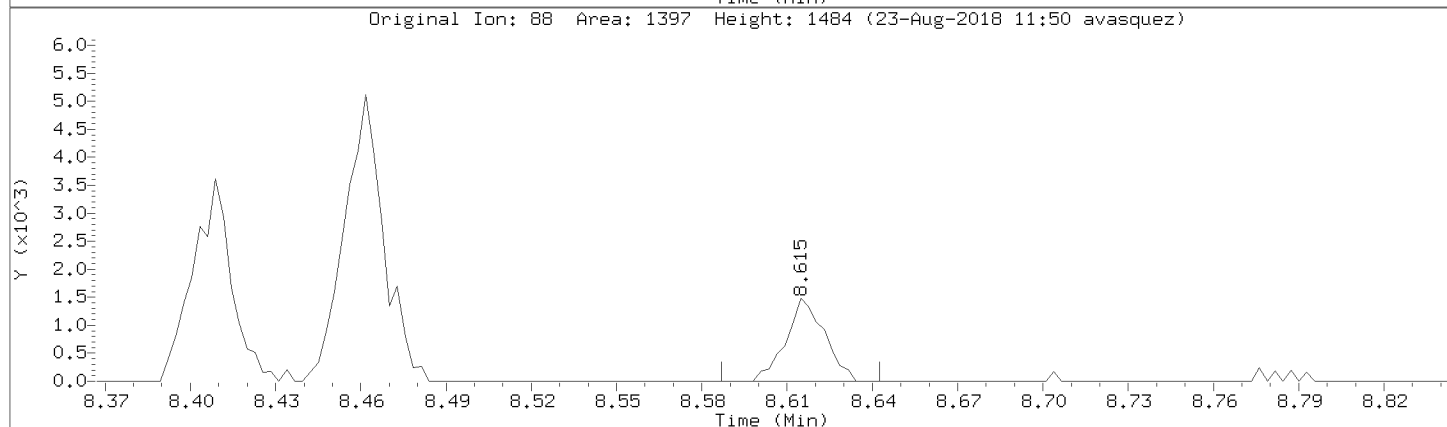
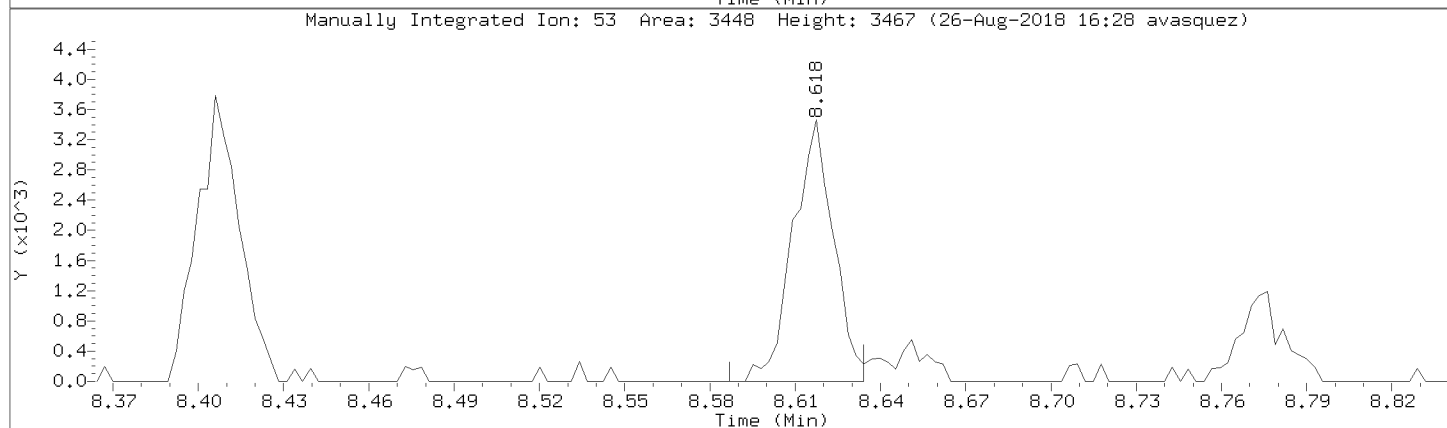
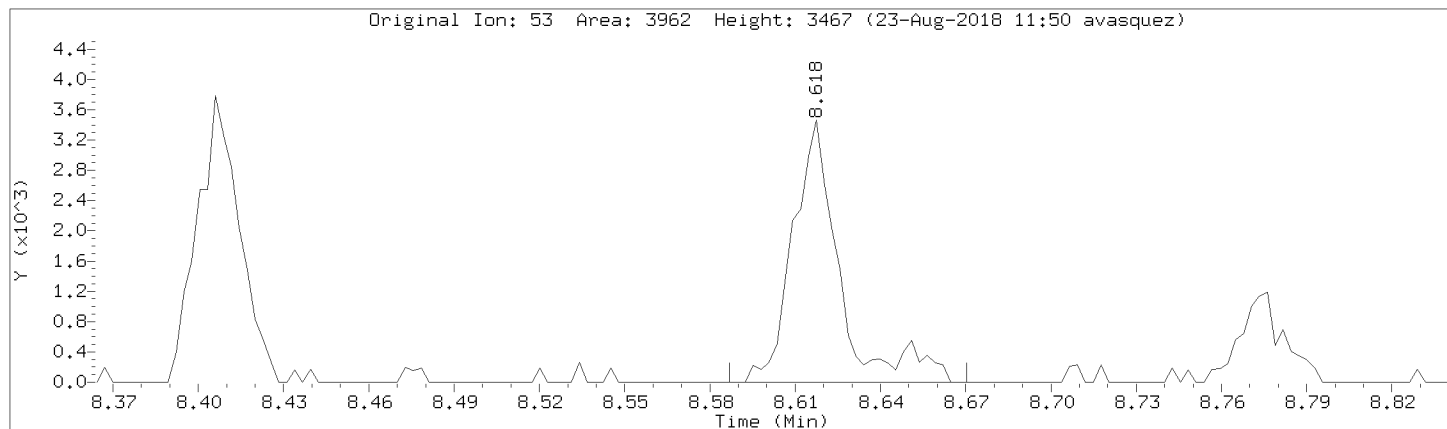


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Lab Sample ID: 8260-CAL4

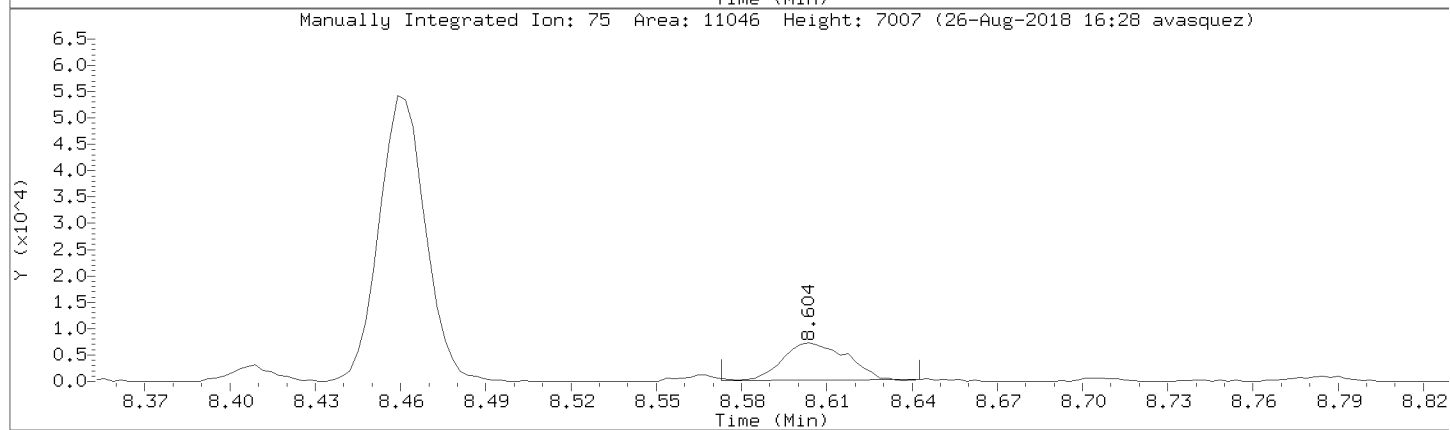
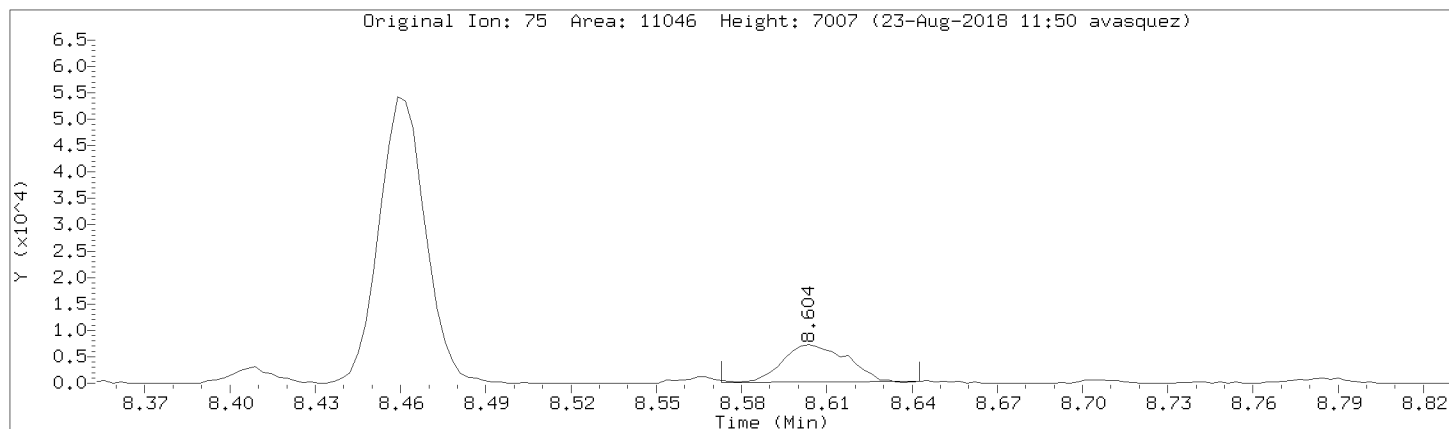


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4

Compound: trans-1,4-Dichloro-2-butene Review Code: GT
CAS Number:

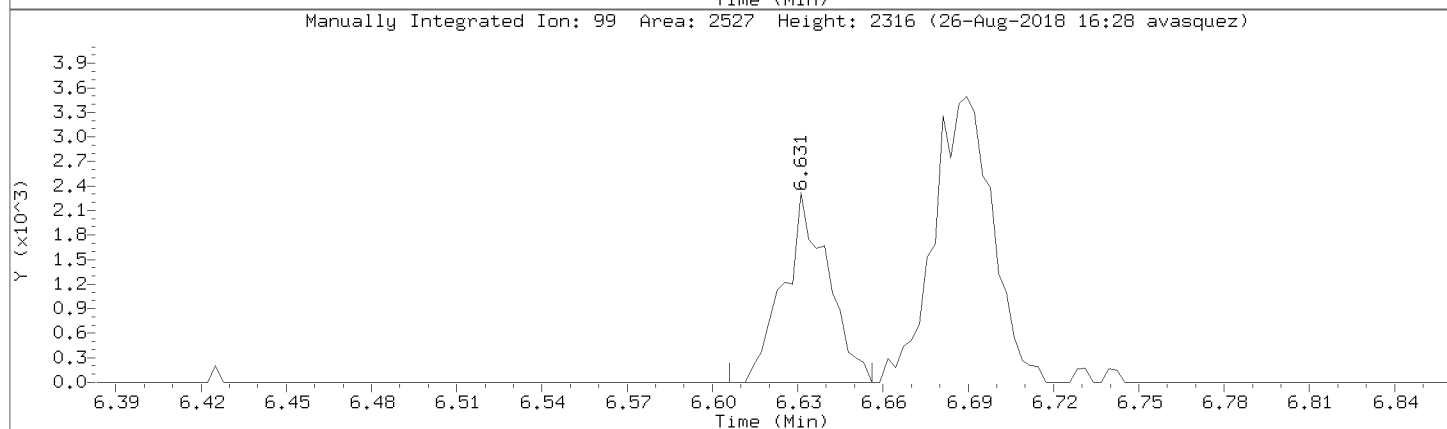
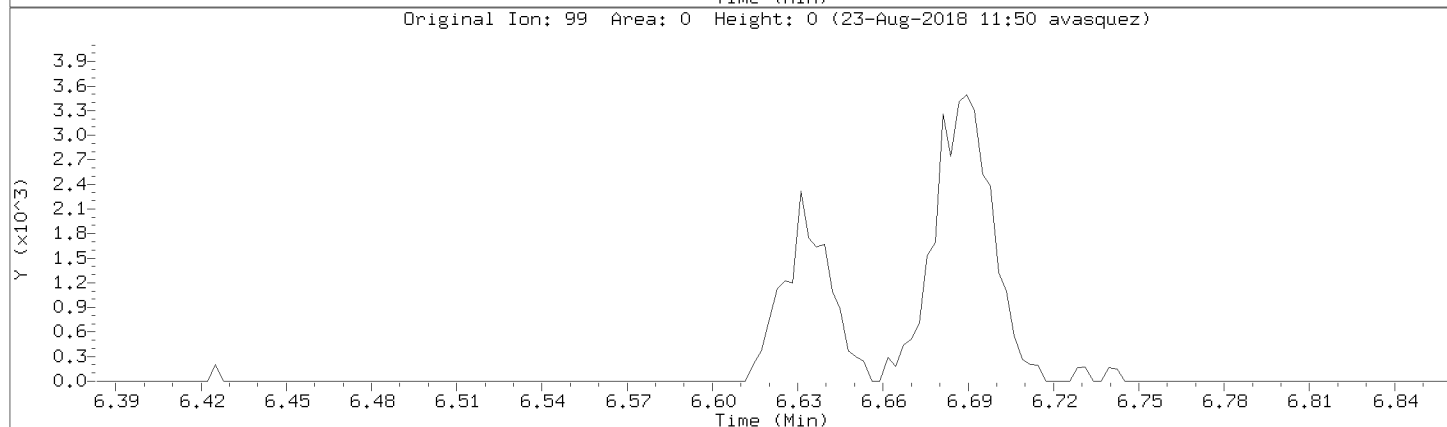
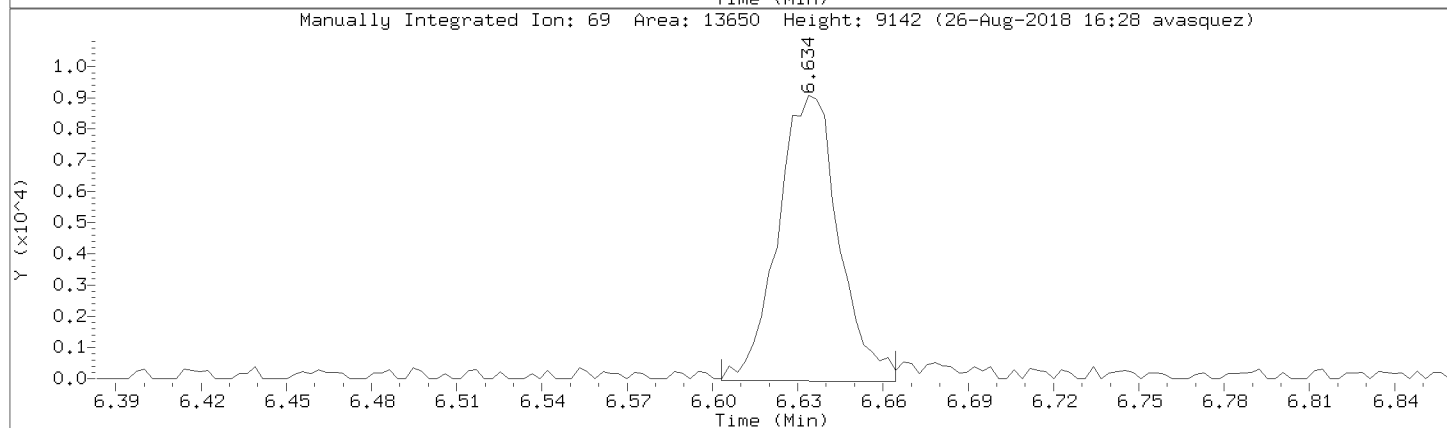
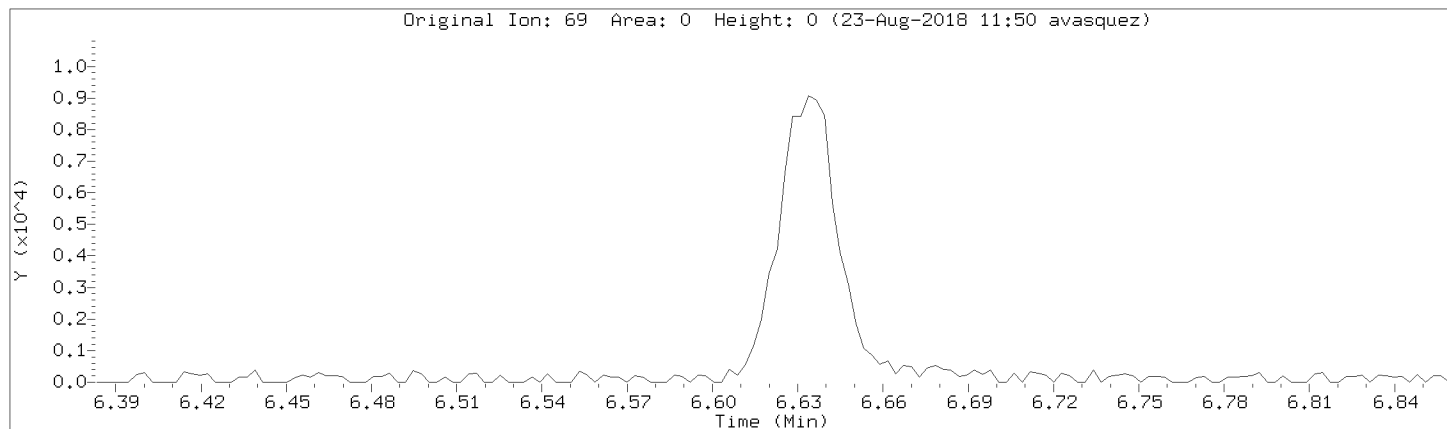


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Lab Sample ID: 8260-CAL4

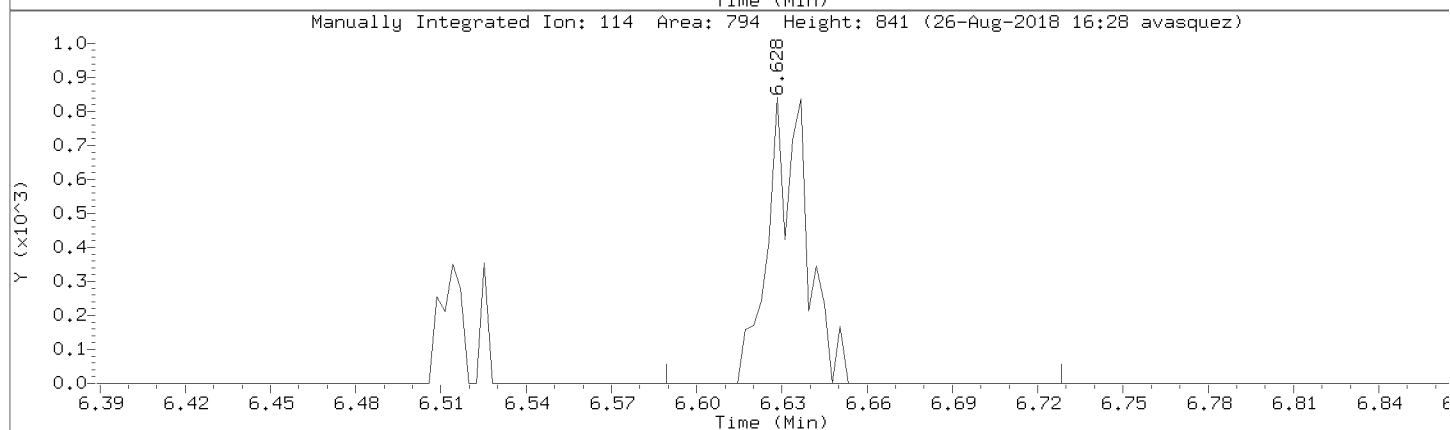
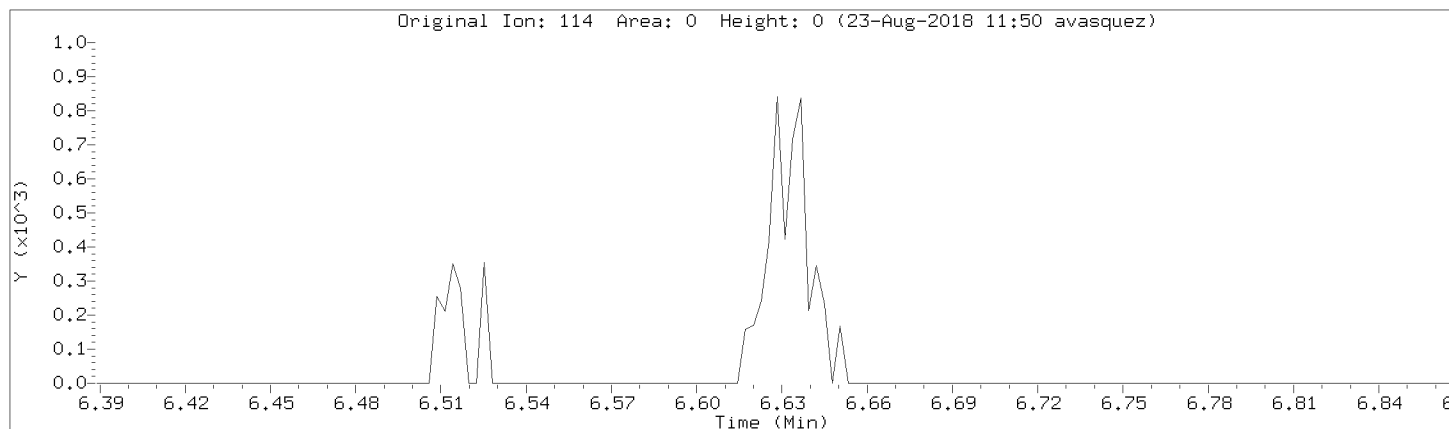


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4

Compound: Ethyl Methacrylate Review Code: NI
CAS Number:

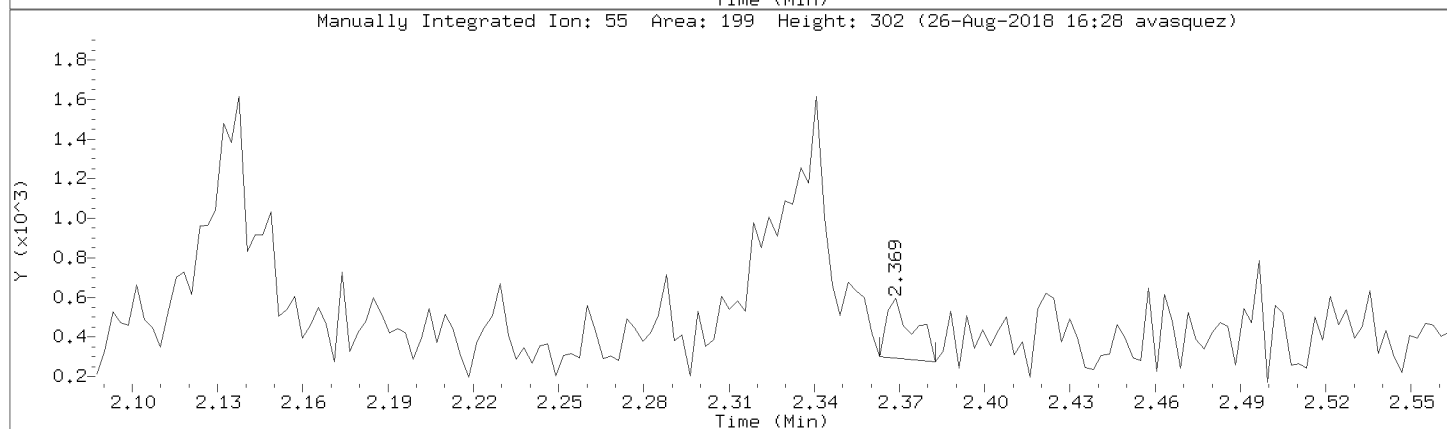
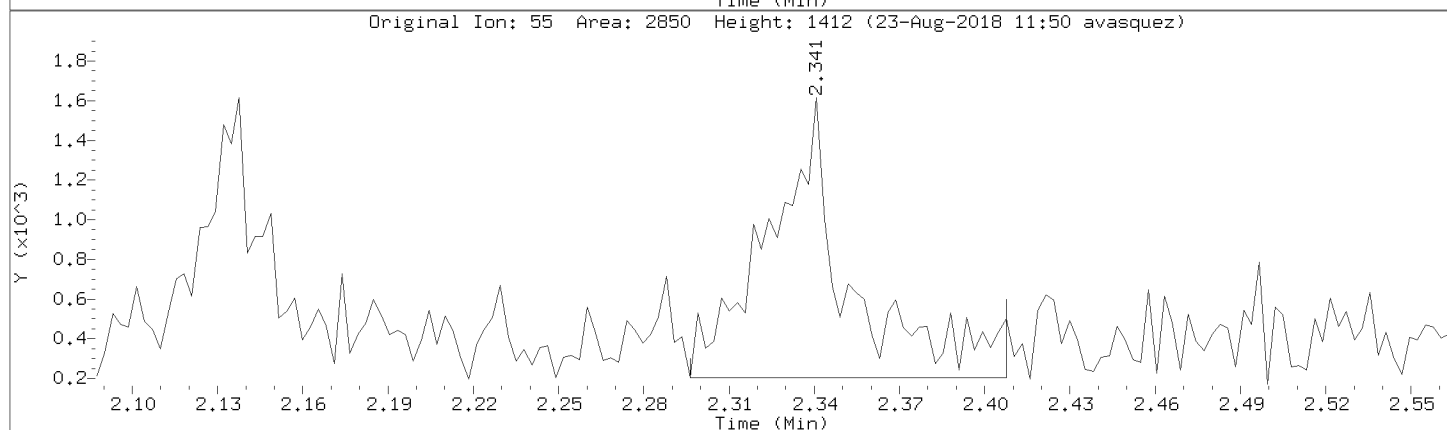
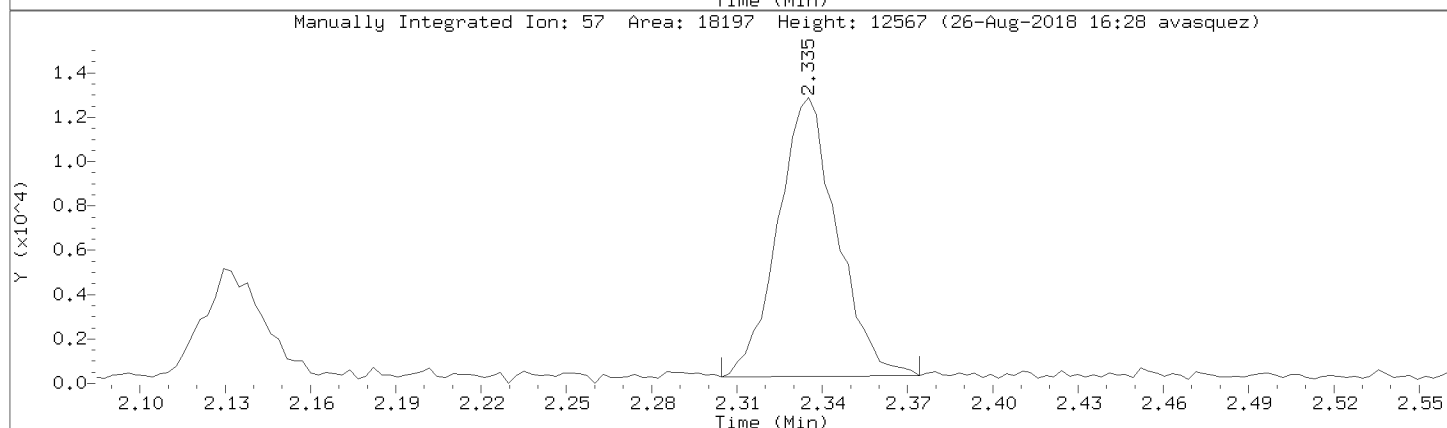
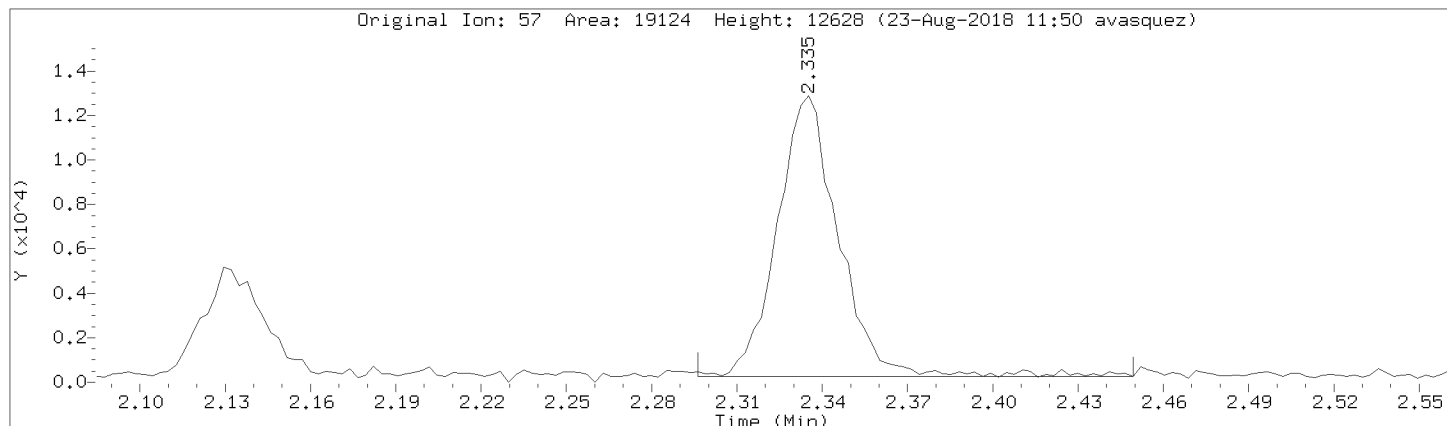


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Lab Sample ID: 8260-CAL4



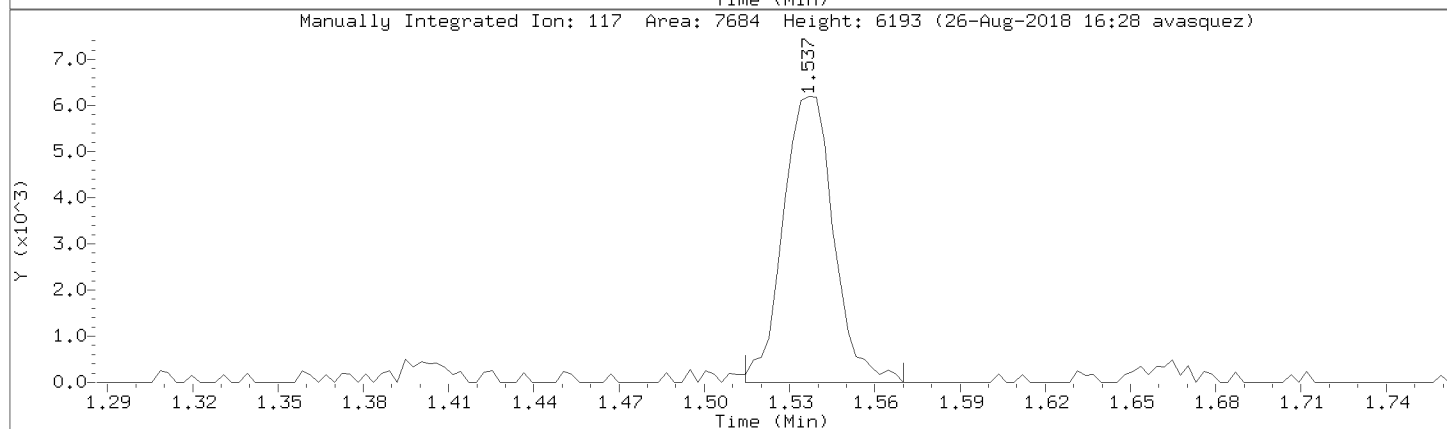
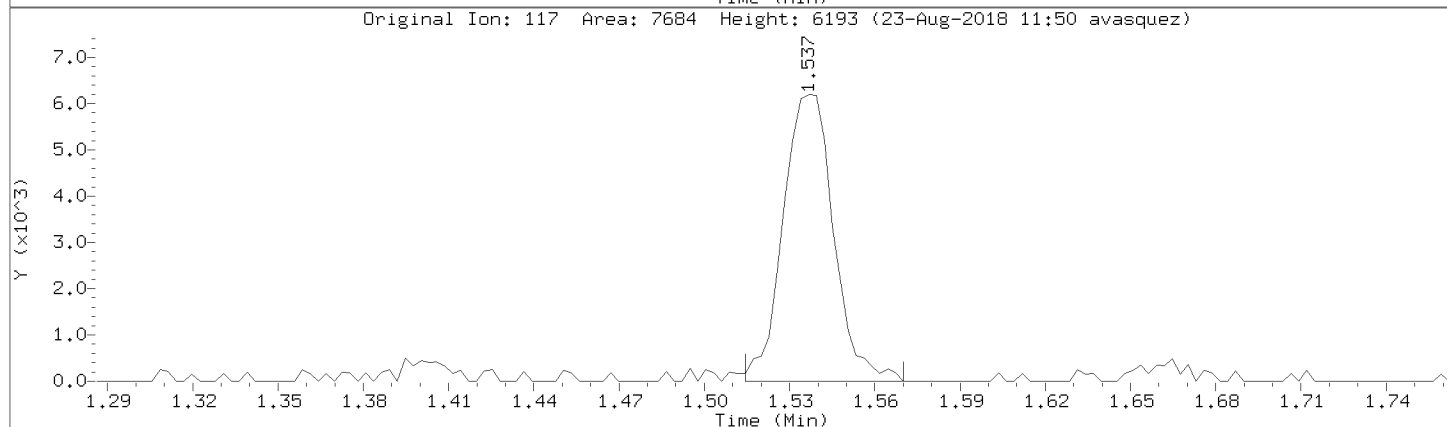
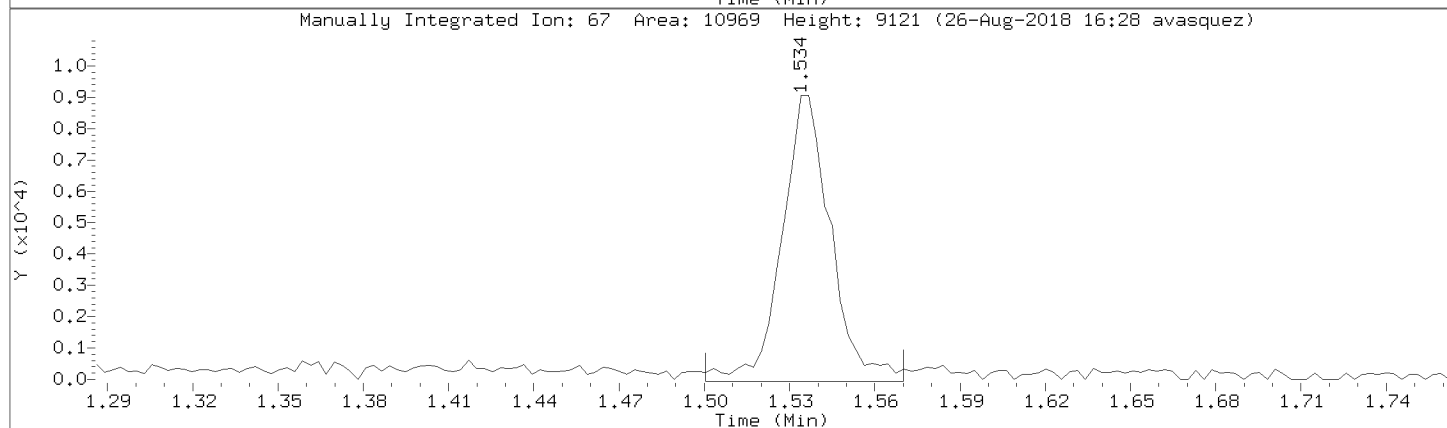
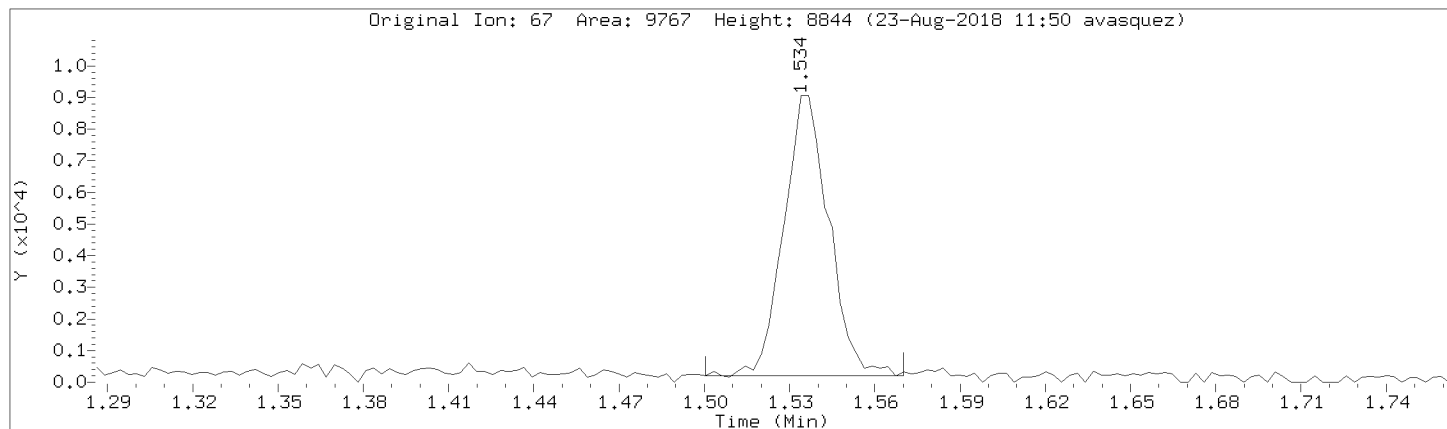
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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4

Compound: n-Hexane Review Code: NI
CAS Number:

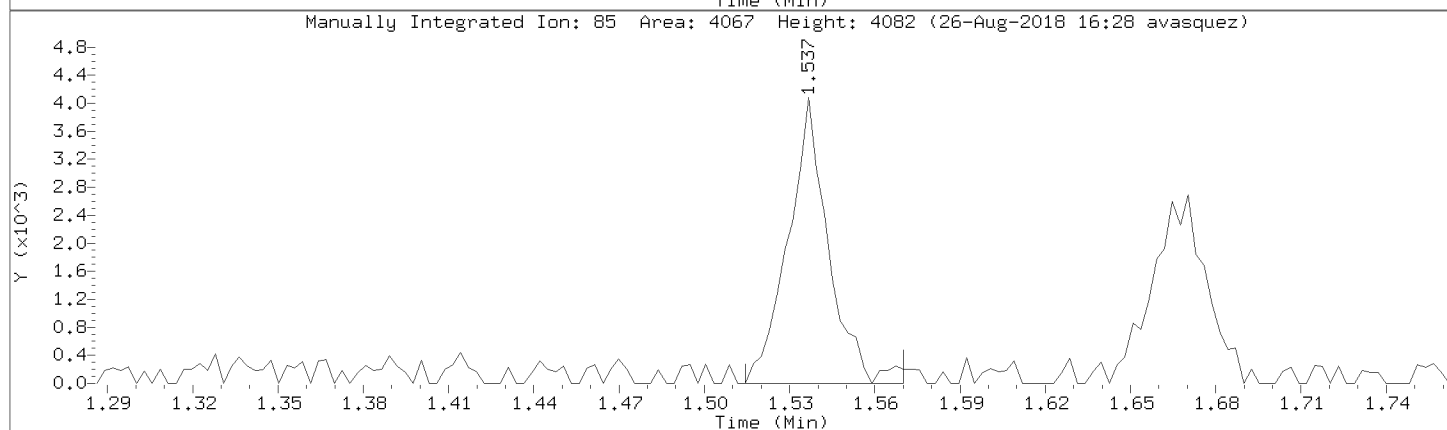
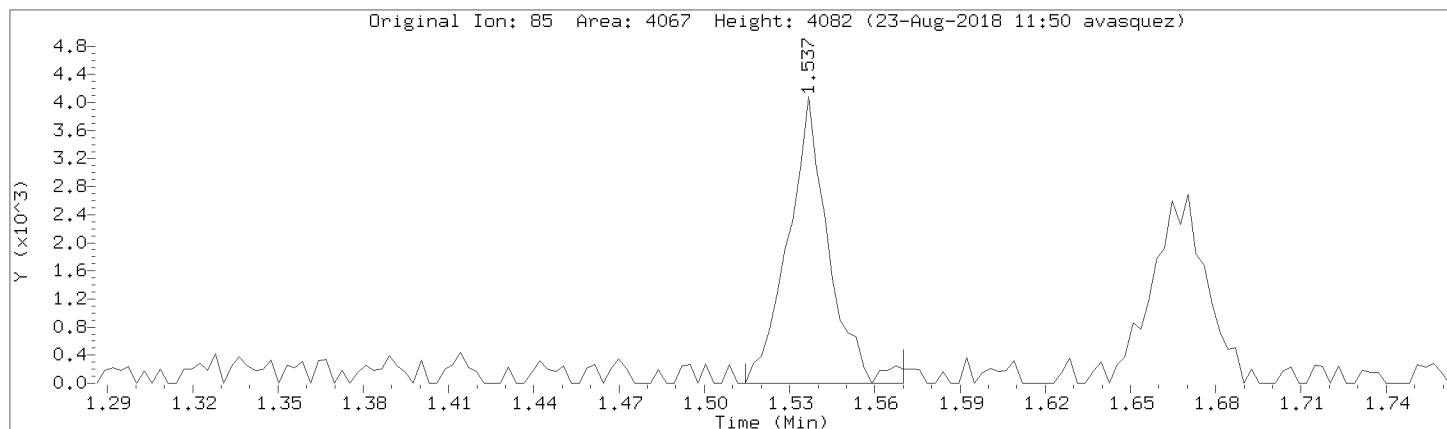


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Injection Date: 22-AUG-2018 15:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4

Compound: 1,2-dichlorotrifluoroethane Review Code: BA
CAS Number: 354-23-4



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a05cal.d
Injection Date: 22-AUG-2018 15:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4



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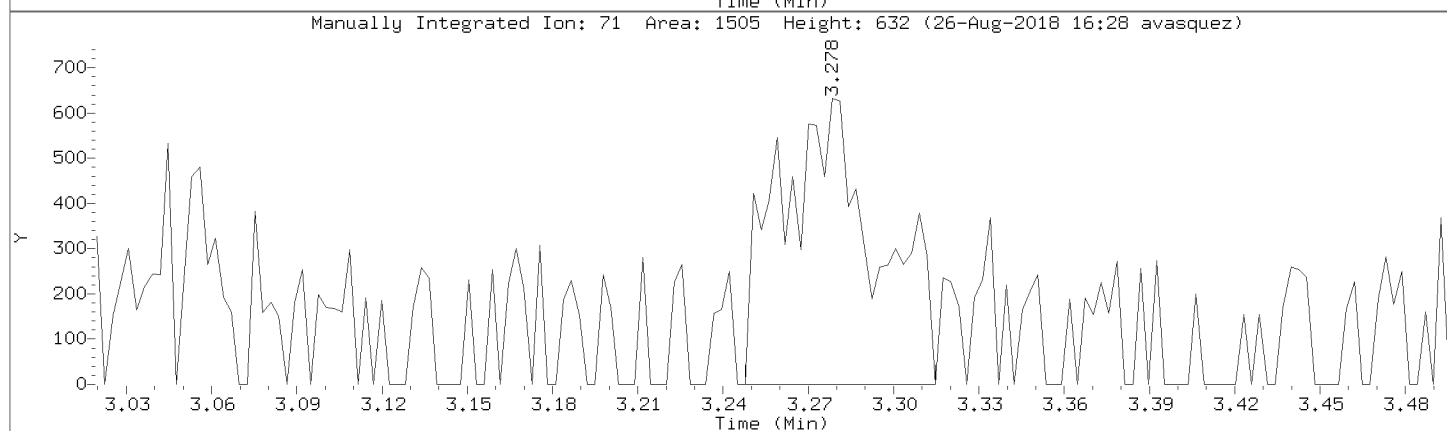
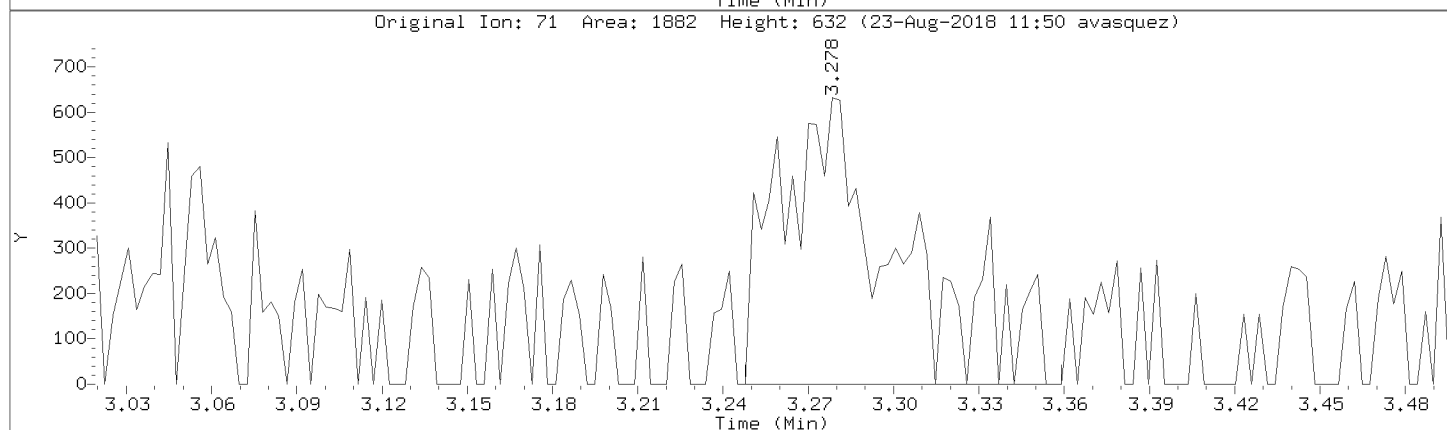
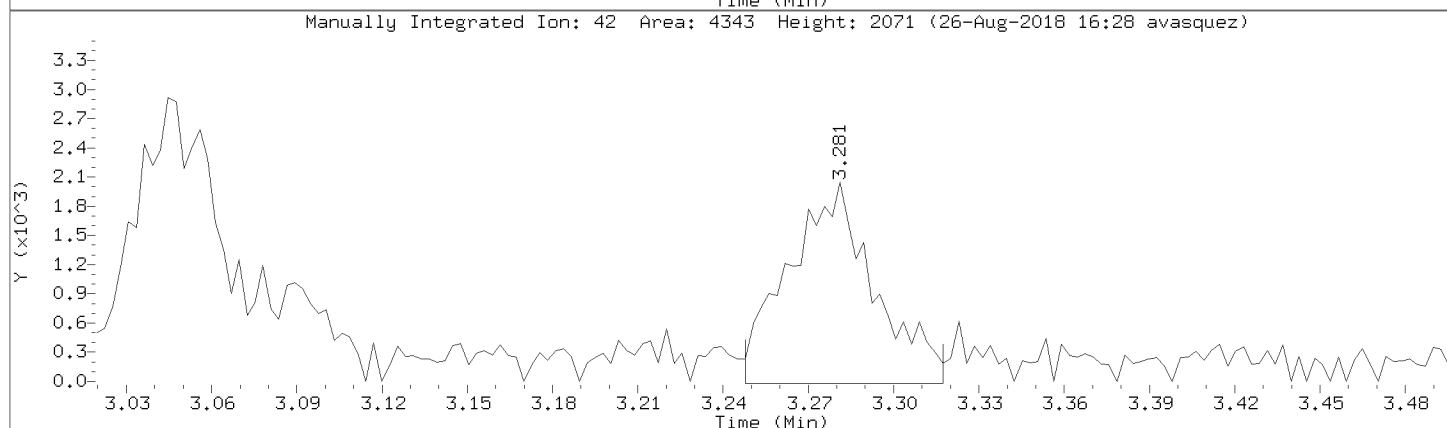
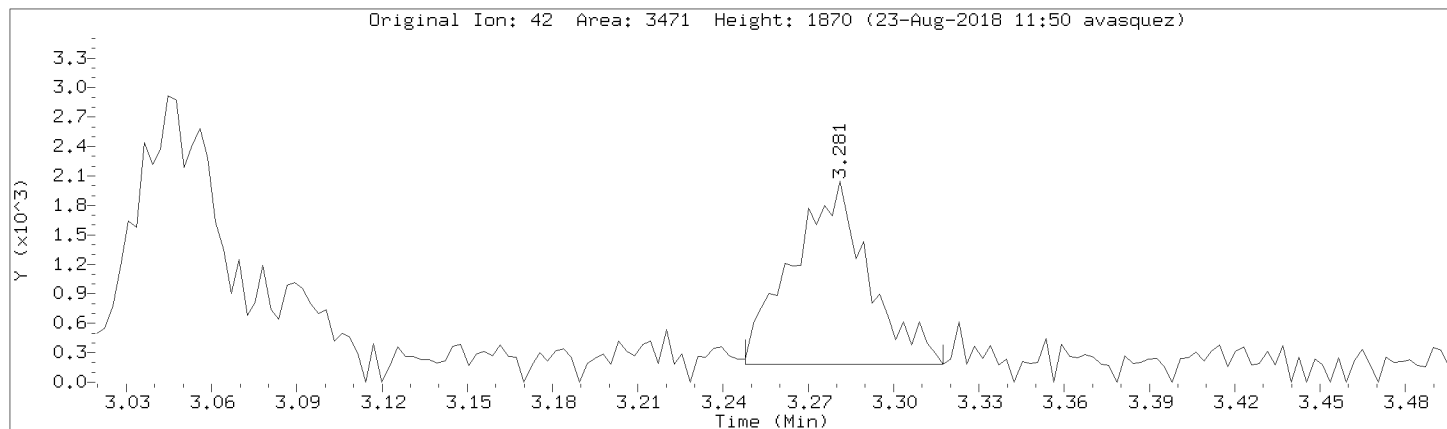
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Lab Sample ID: 8260-CAL4

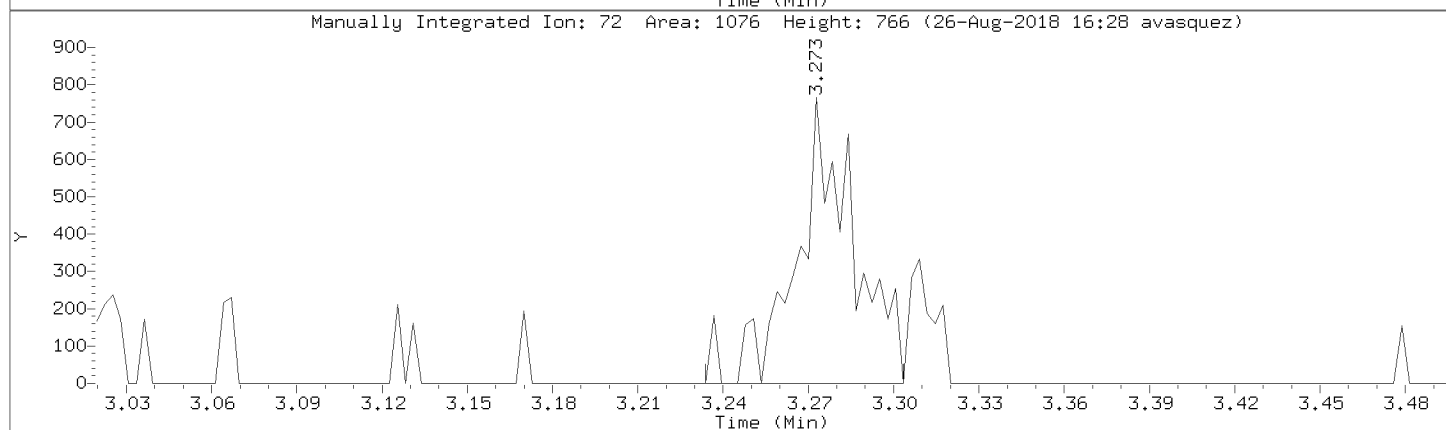
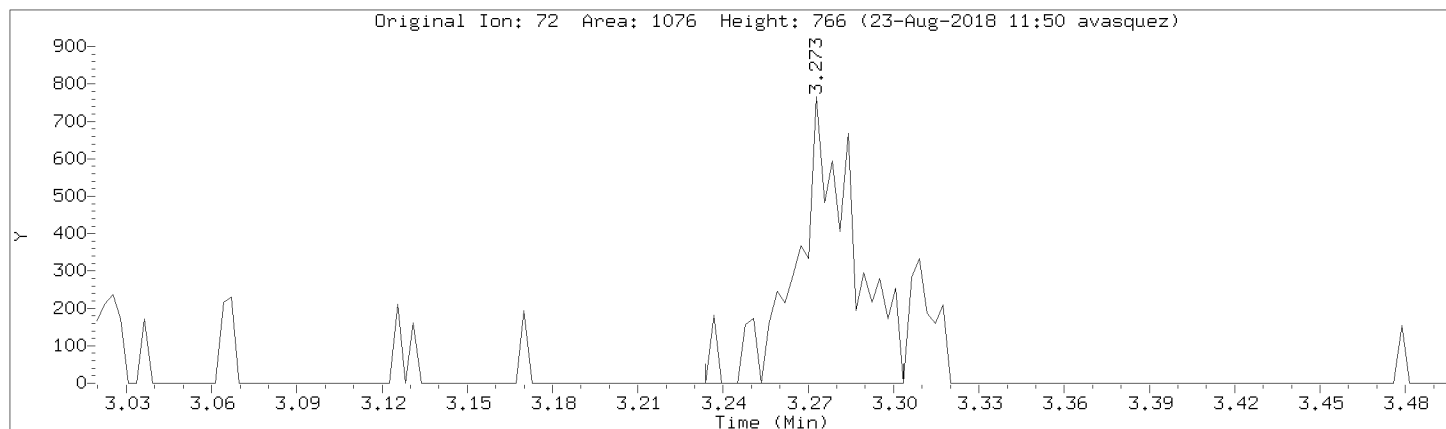
Compound: Tetrahydrofuran

Review Code: GT

CAS Number:



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a05cal.d
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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4



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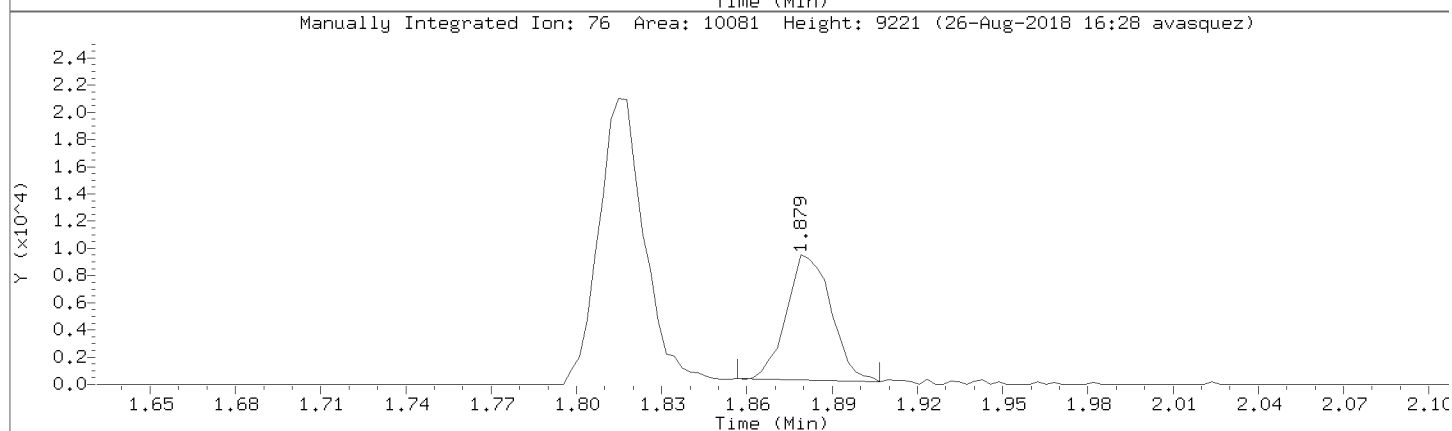
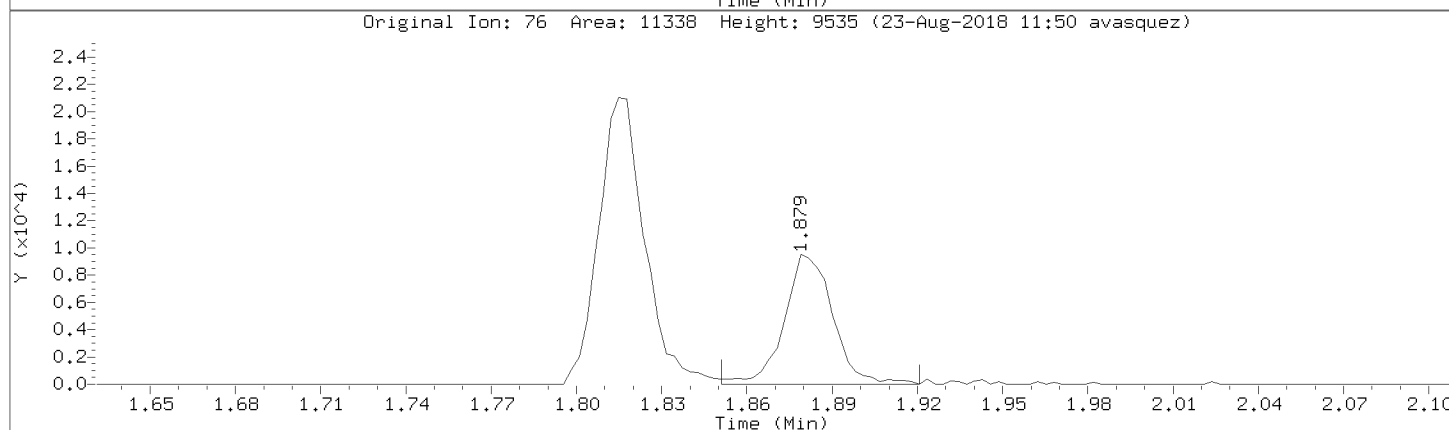
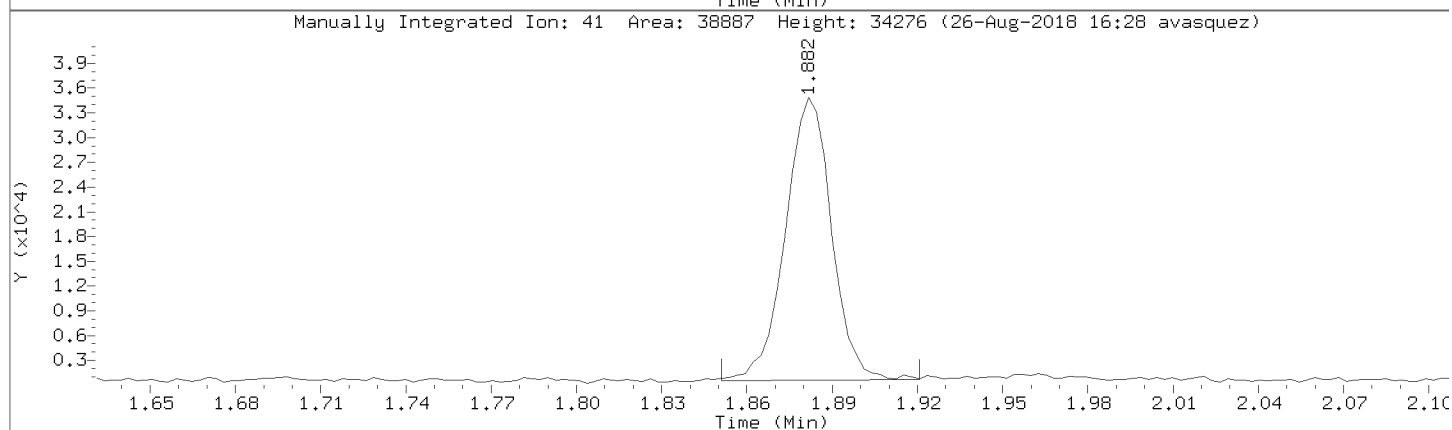
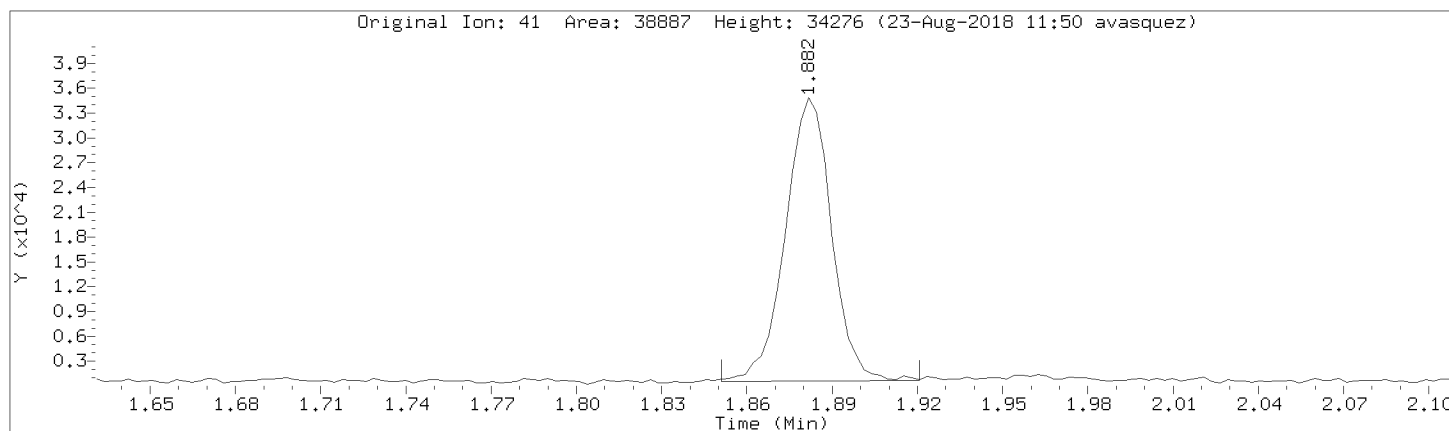
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: allyl chloride

Review Code: WP

CAS Number: 107-05-1



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a05cal.d

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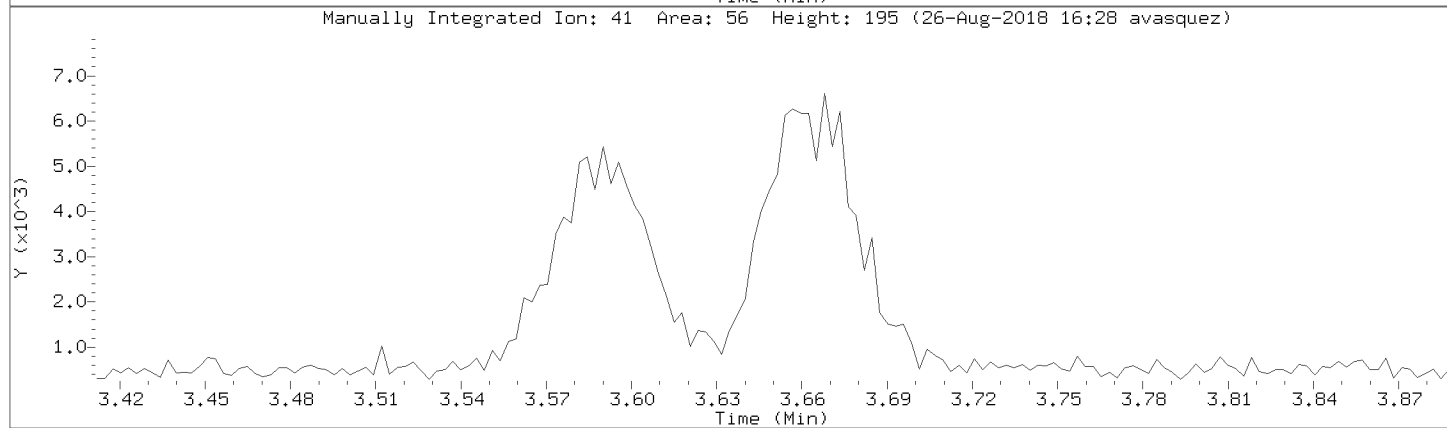
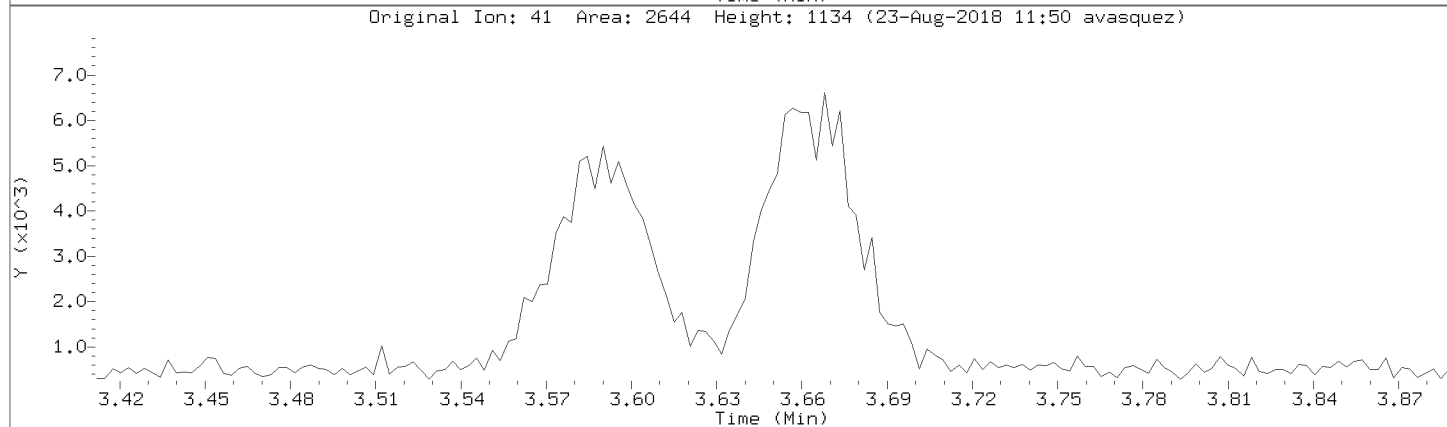
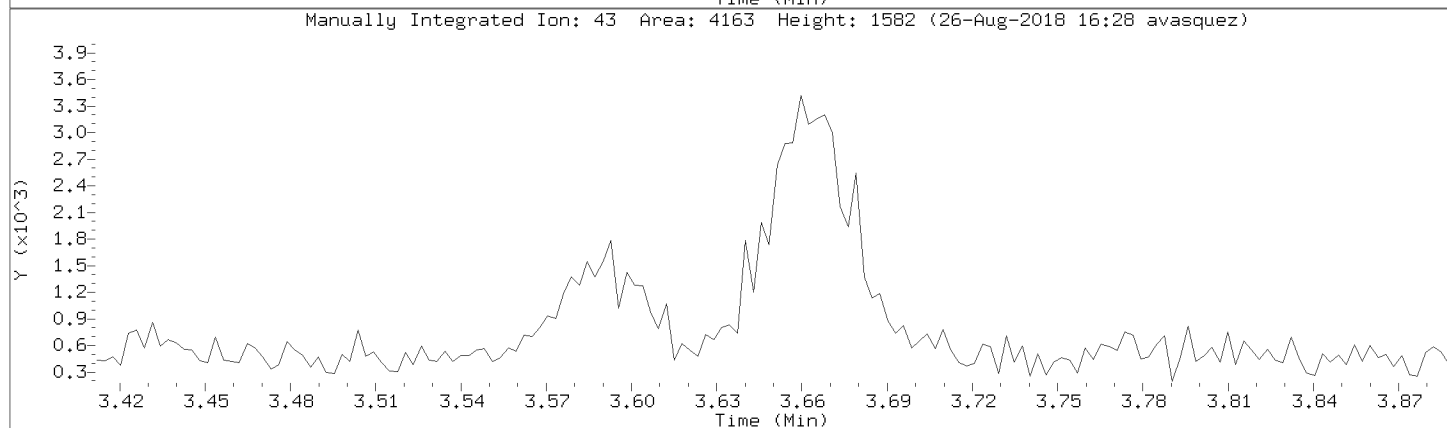
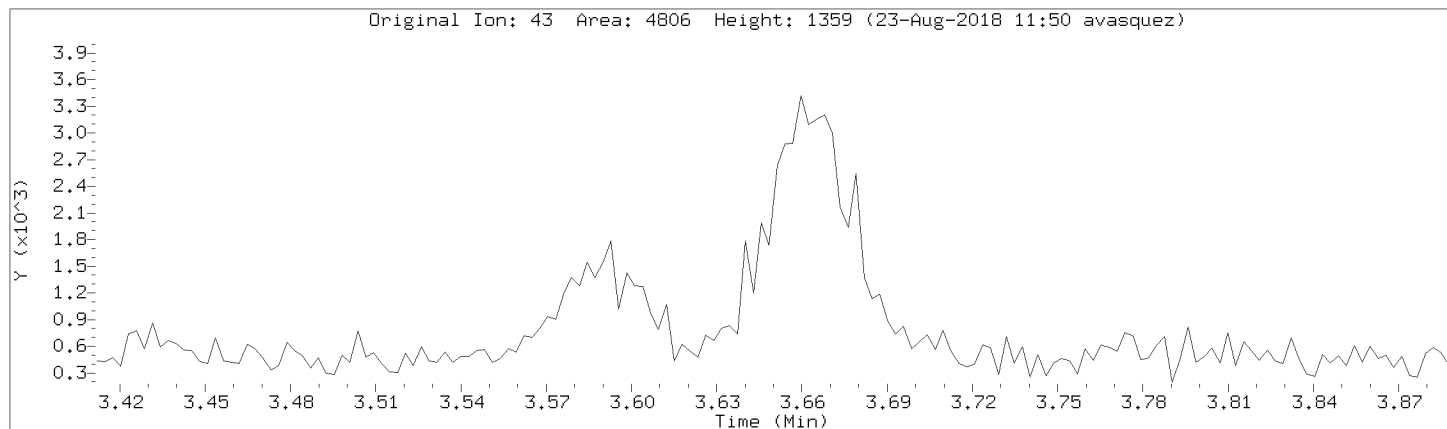
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Lab Sample ID: 8260-CAL4

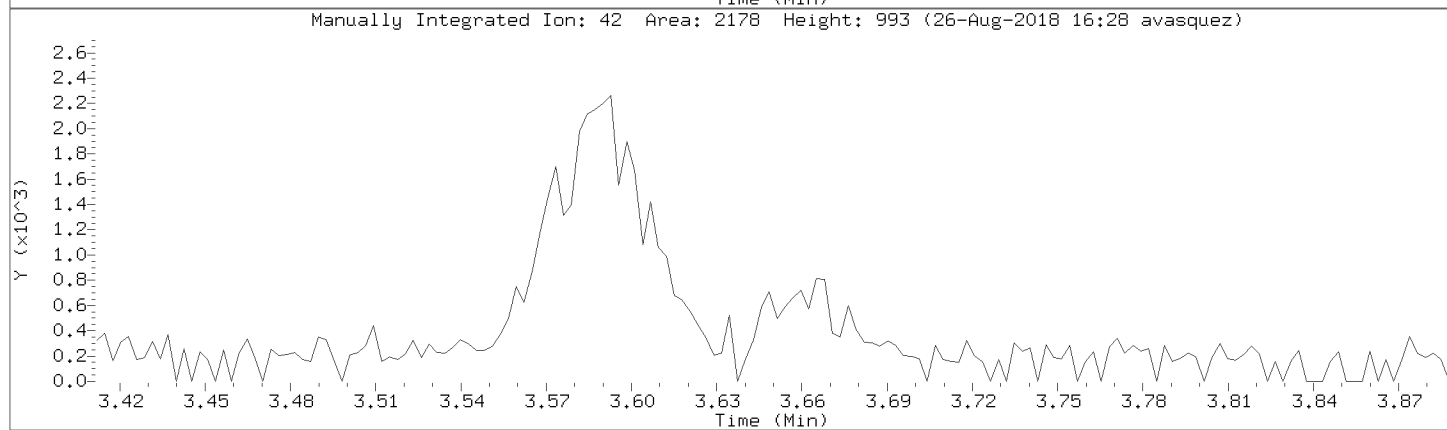
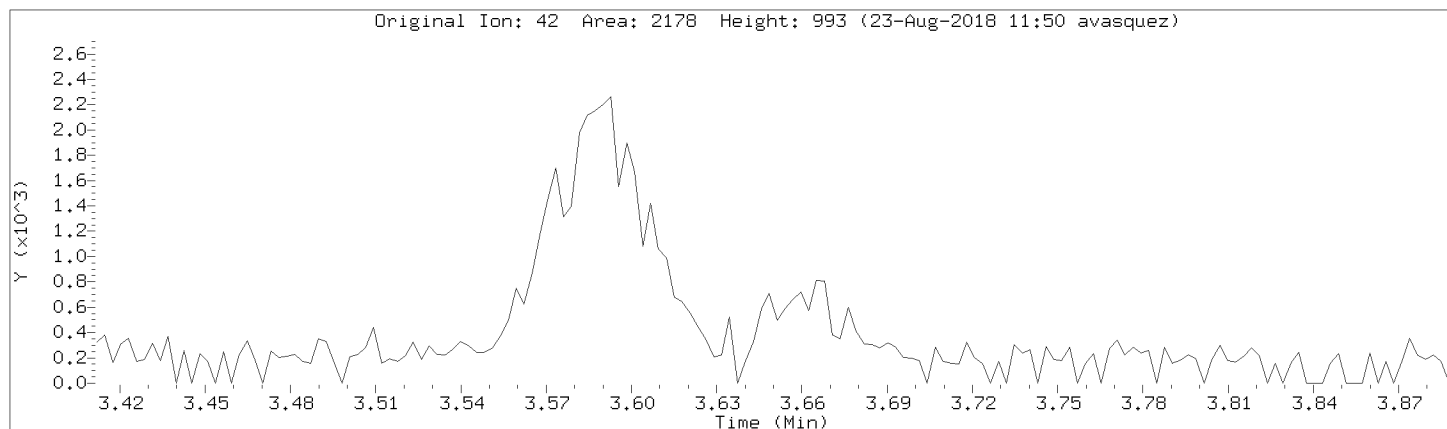
Compound: Isobutyl alcohol

Review Code:

CAS Number: 78-83-1



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a05cal.d
Injection Date: 22-AUG-2018 15:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4



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Injection Date: 22-AUG-2018 15:57

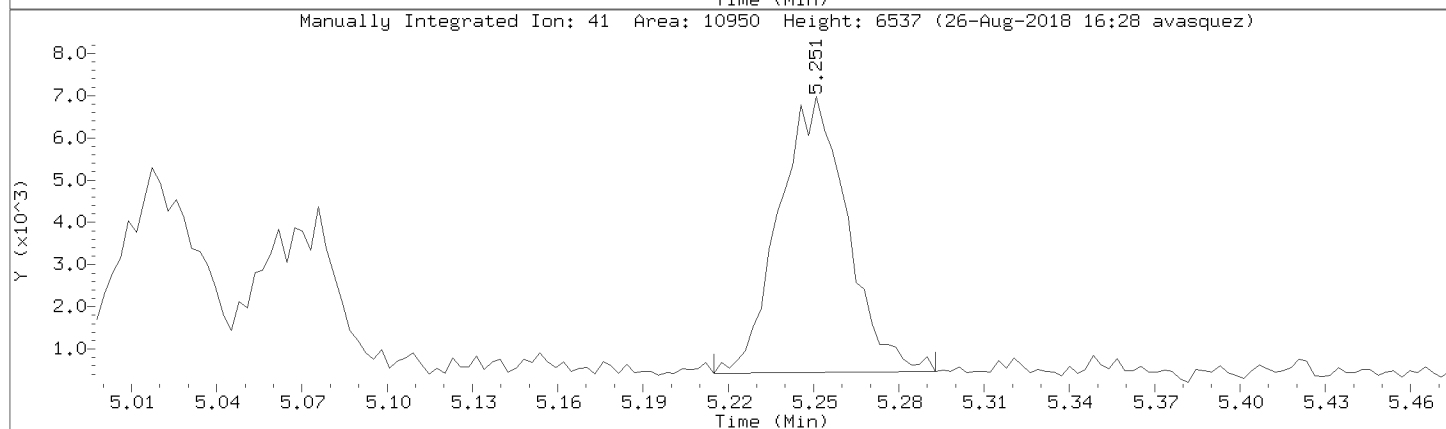
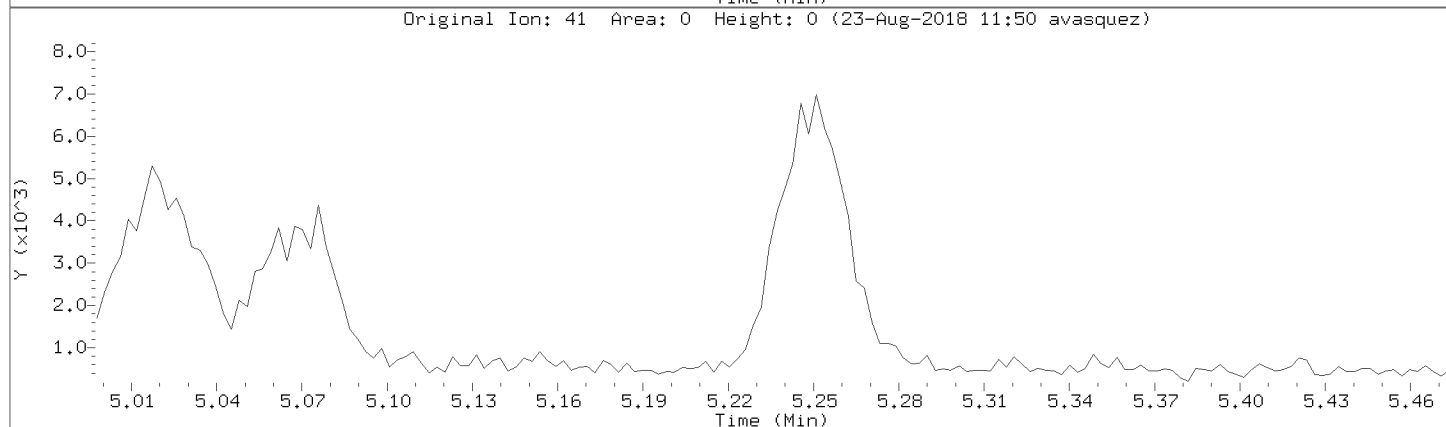
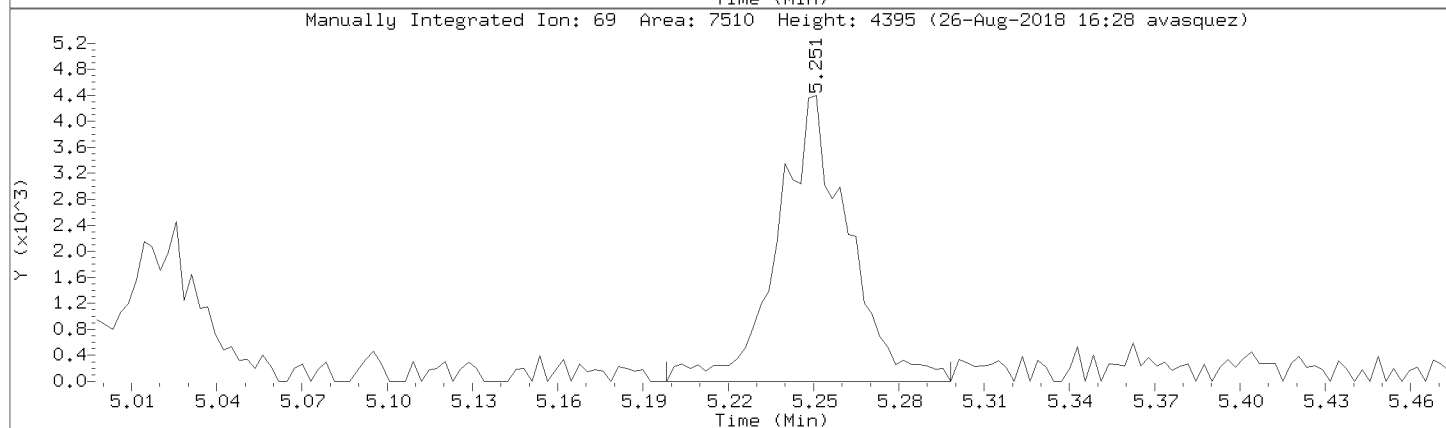
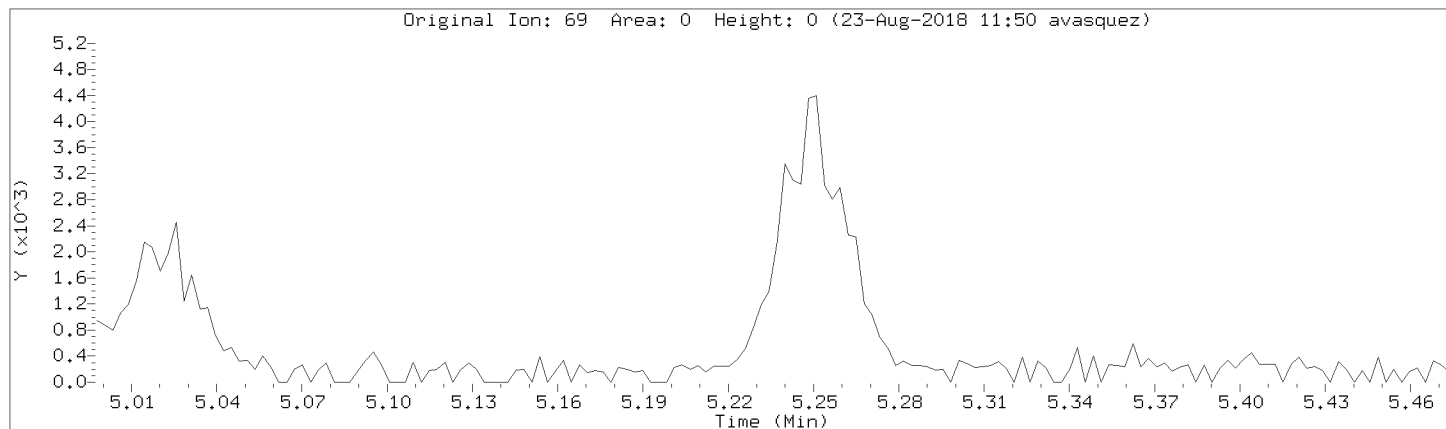
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

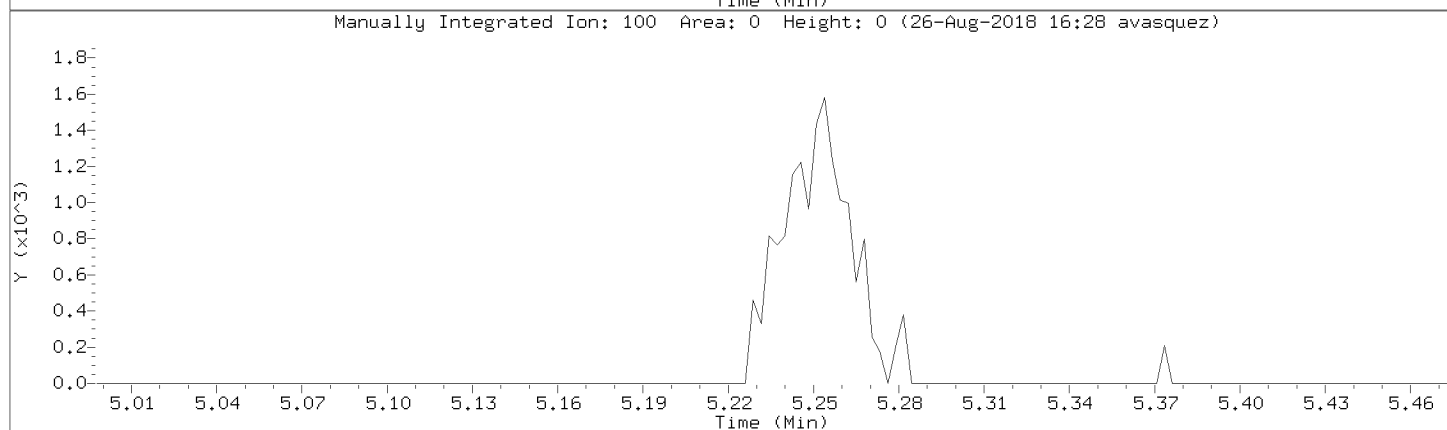
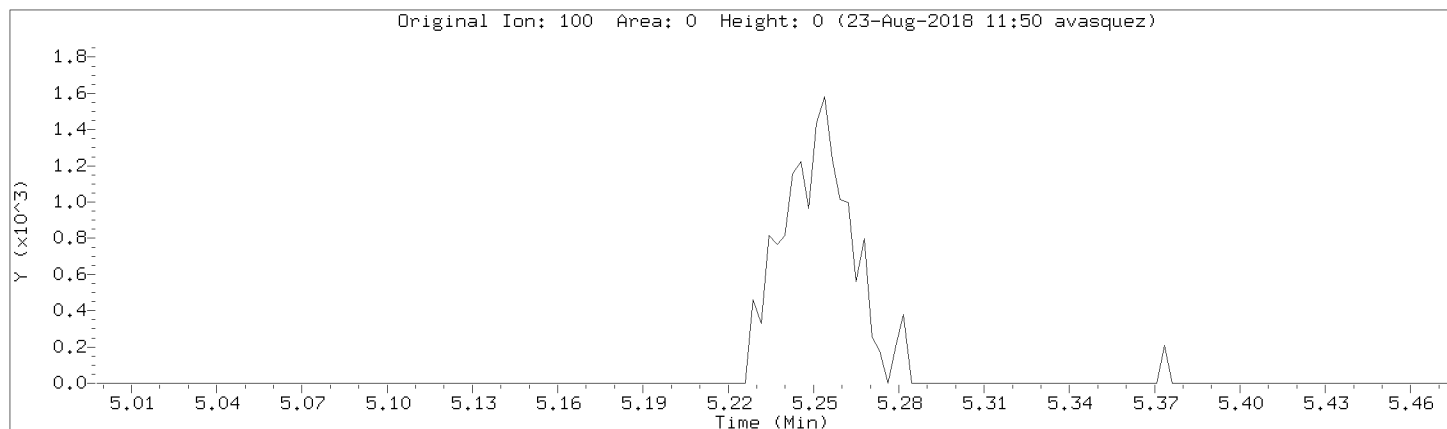
Compound: Methyl methacrylate

Review Code: NI

CAS Number: 80-62-6



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Injection Date: 22-AUG-2018 15:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4



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Injection Date: 22-AUG-2018 15:57

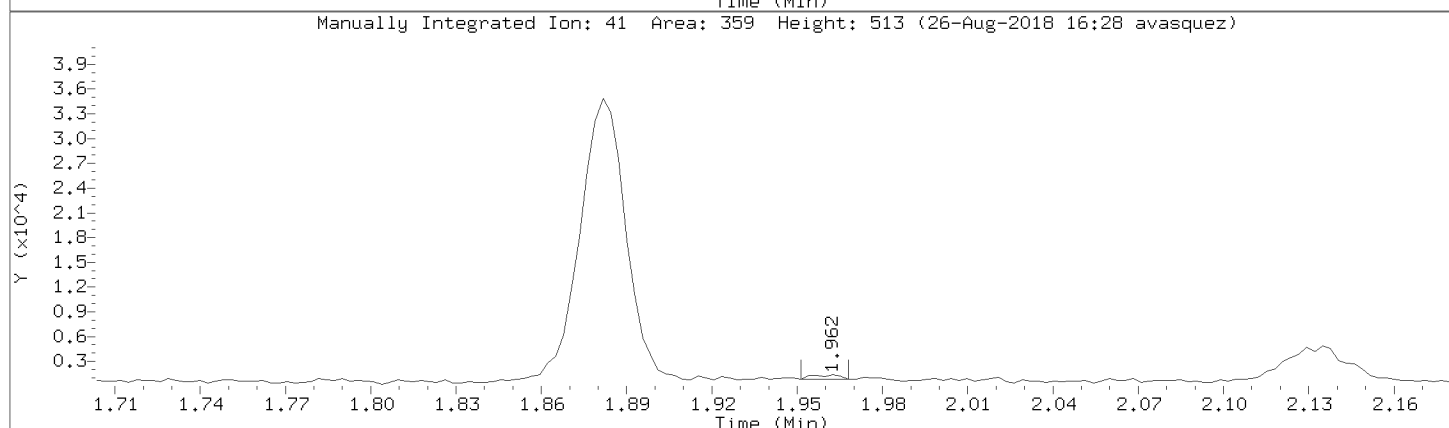
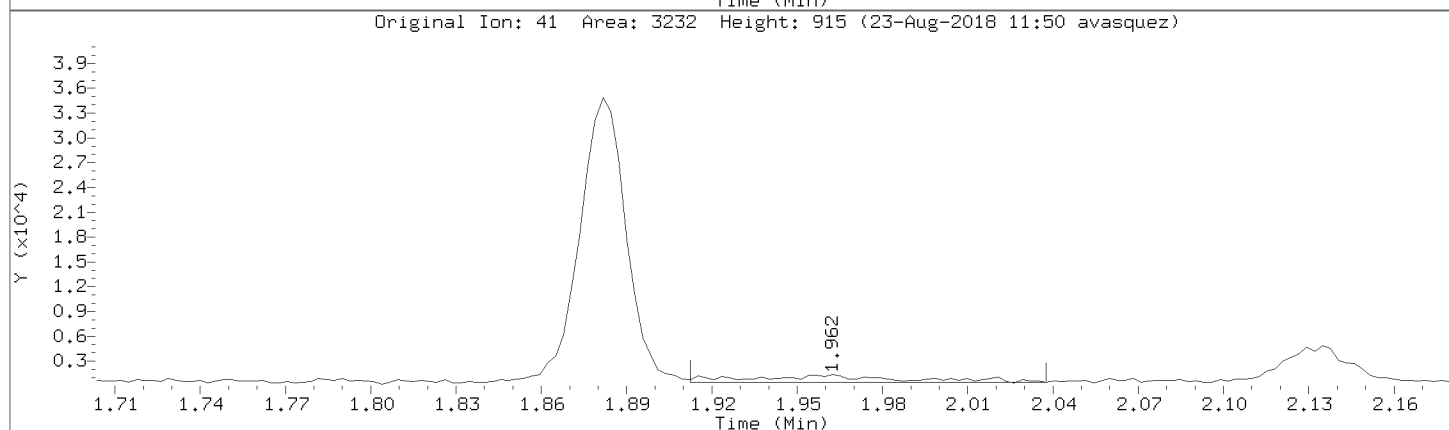
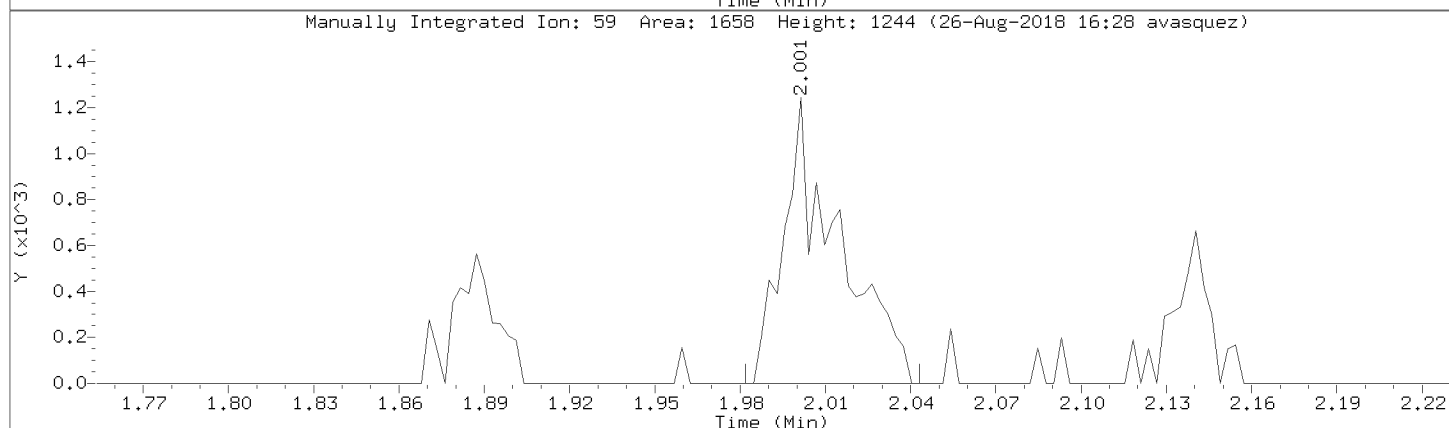
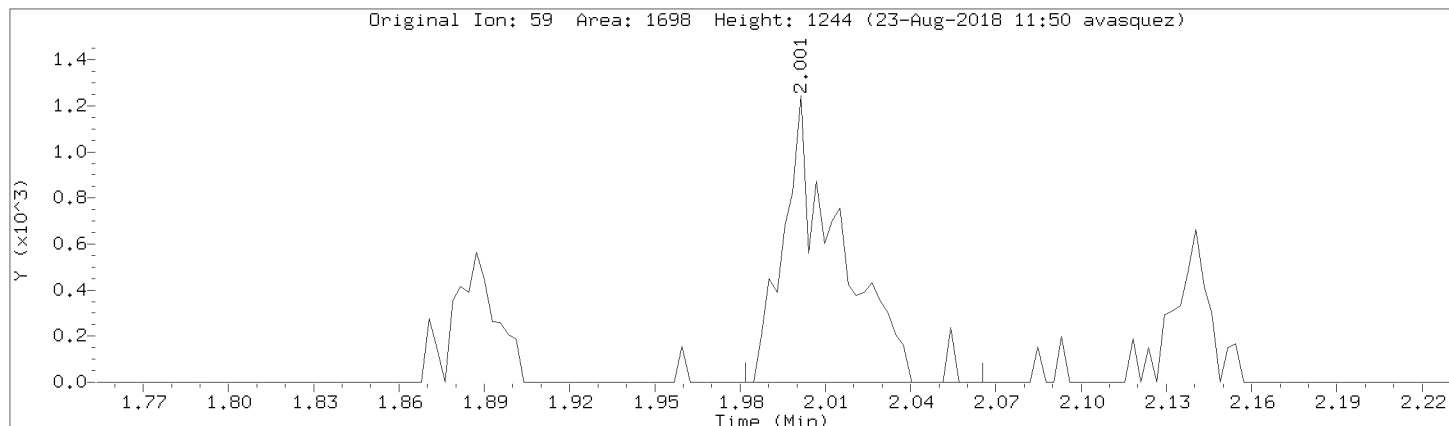
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: tert-Butyl Alcohol

Review Code: NI

CAS Number: 75-65-0



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b/a05cal.d

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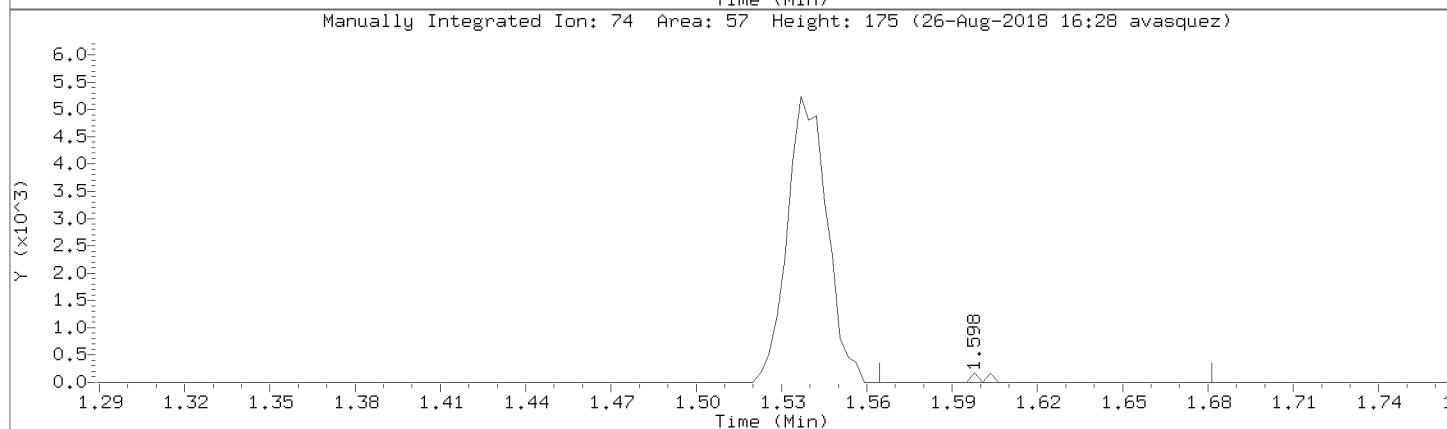
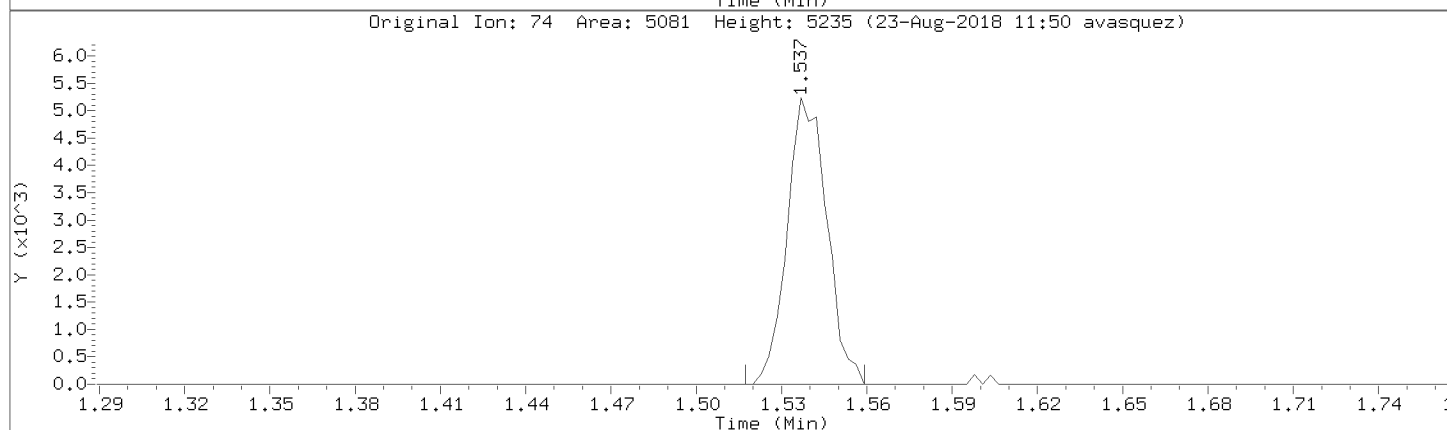
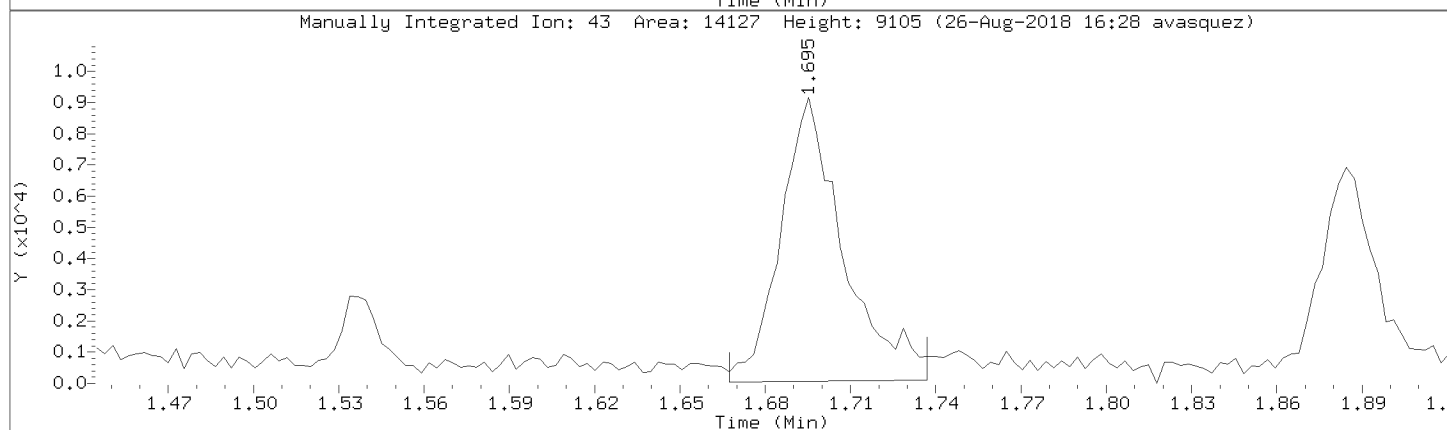
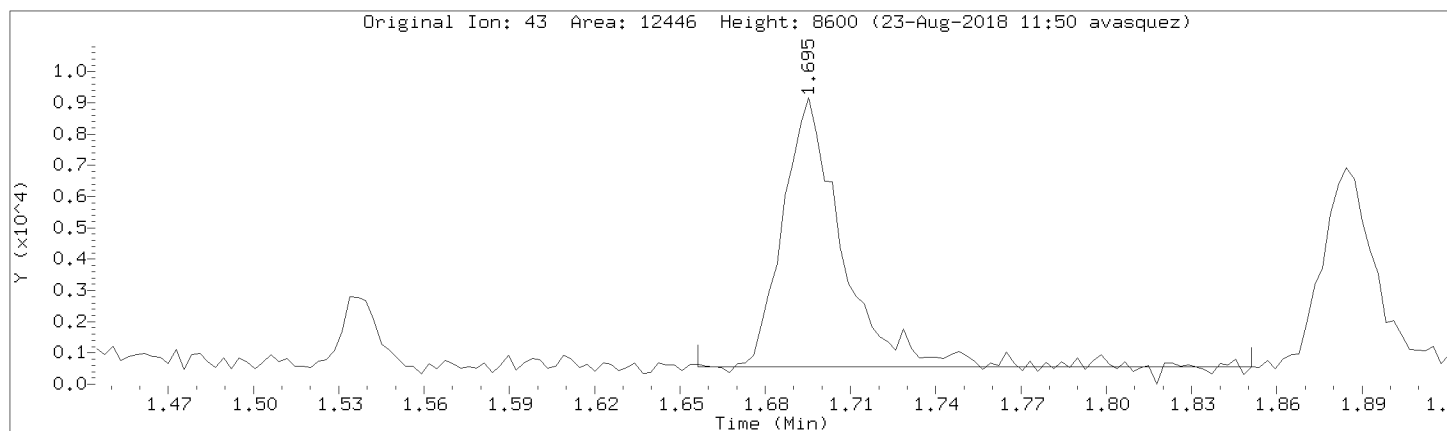
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: Methyl Acetate

Review Code: LT

CAS Number: 79-20-9



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Injection Date: 22-AUG-2018 15:57

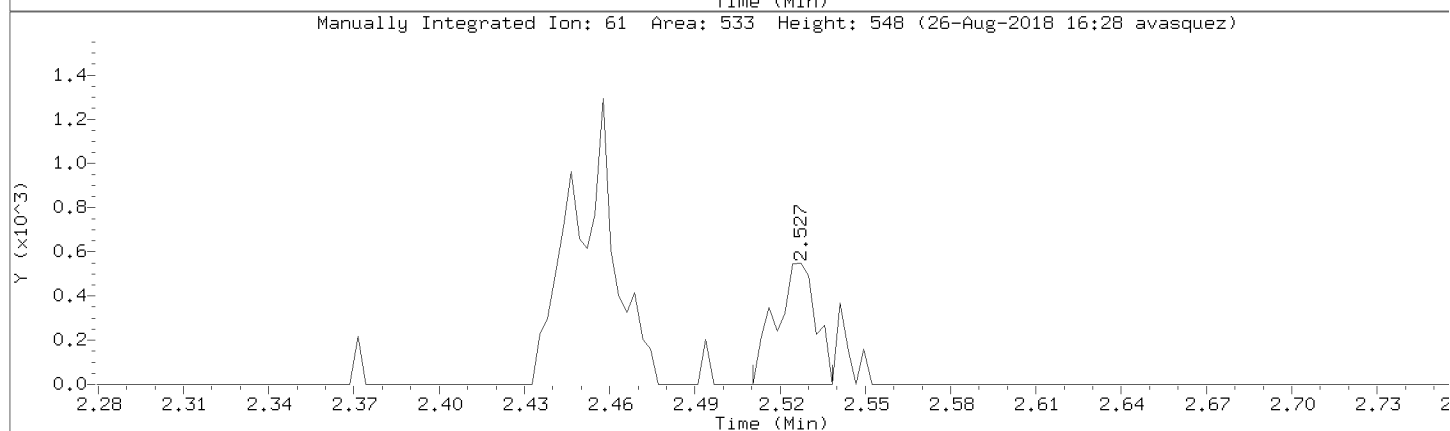
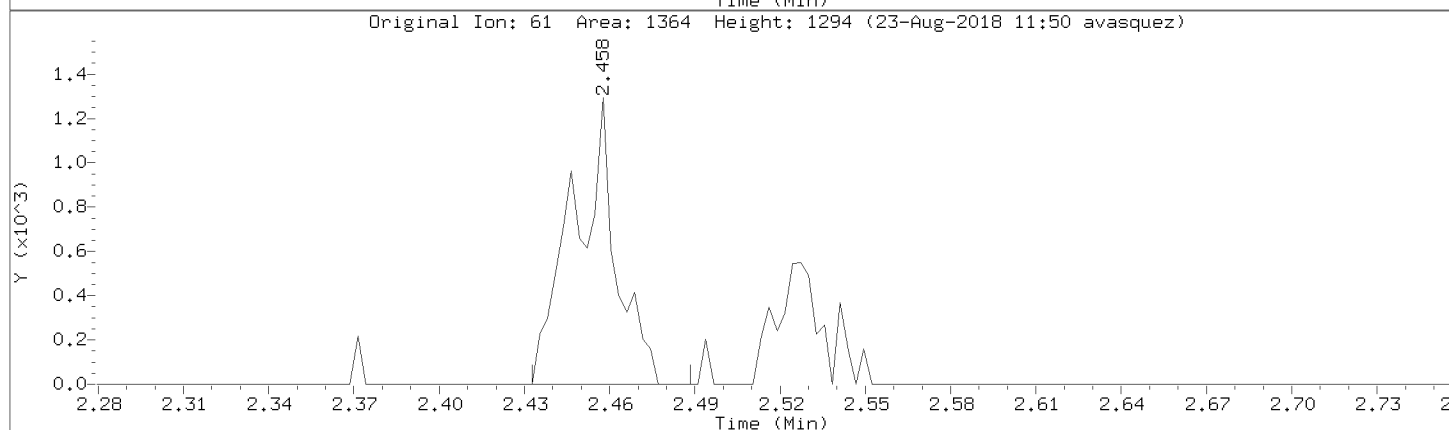
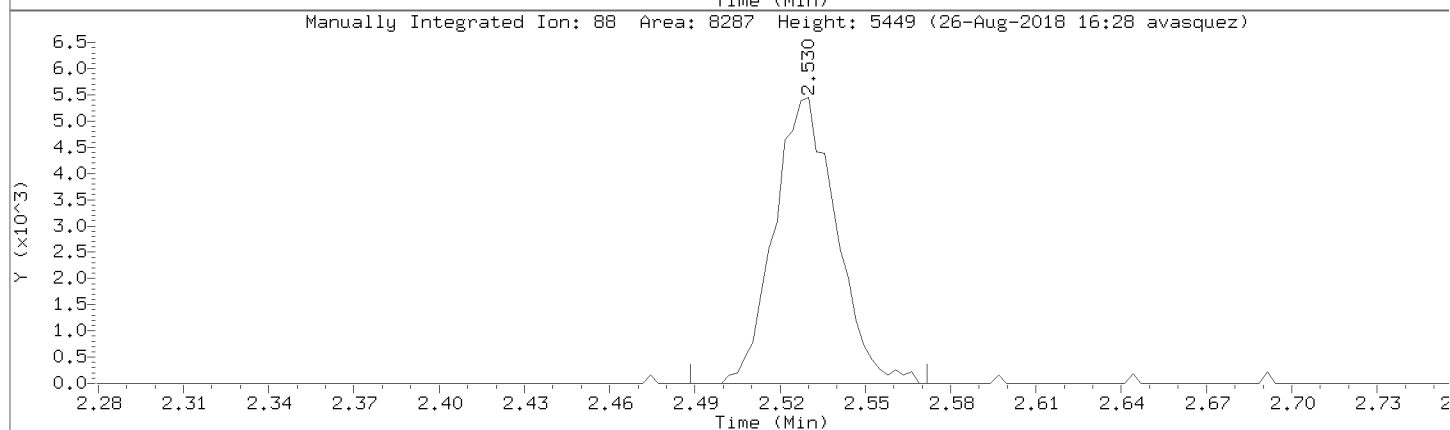
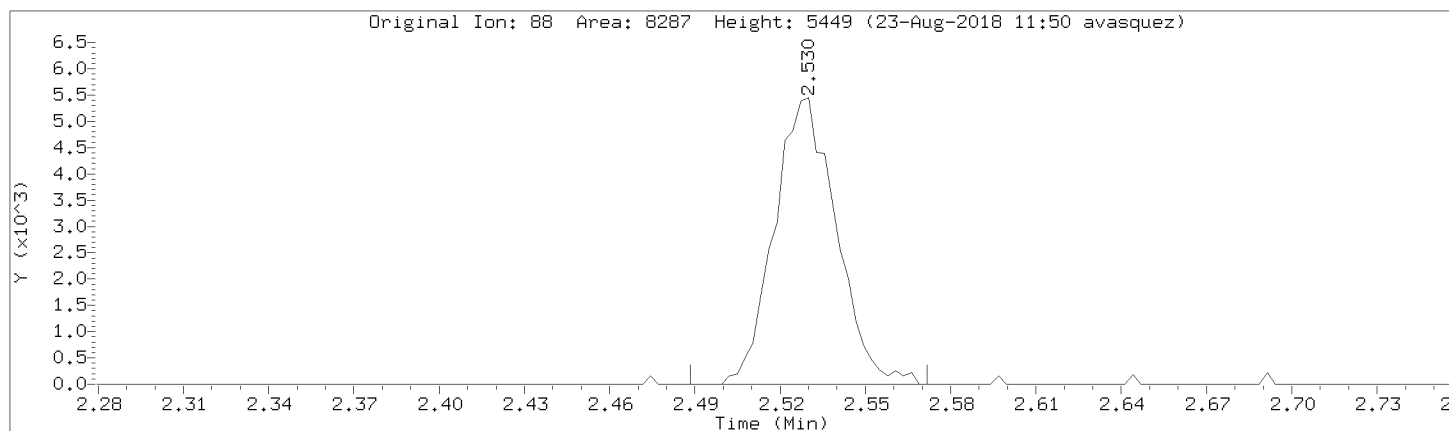
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

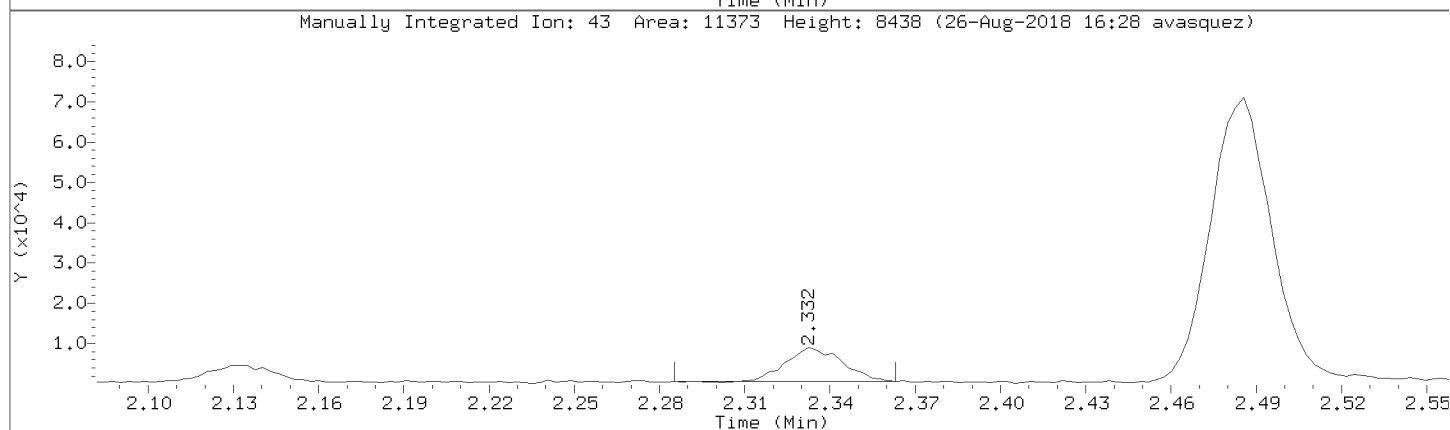
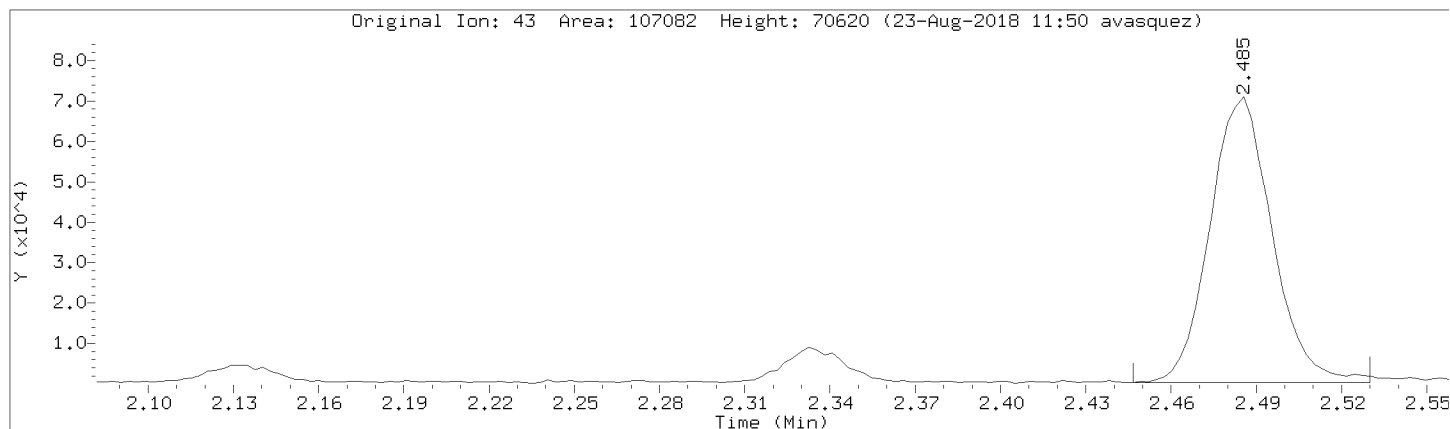
Compound: Ethyl acetate

Review Code: NI

CAS Number: 141-78-6



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a05cal.d
Injection Date: 22-AUG-2018 15:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4



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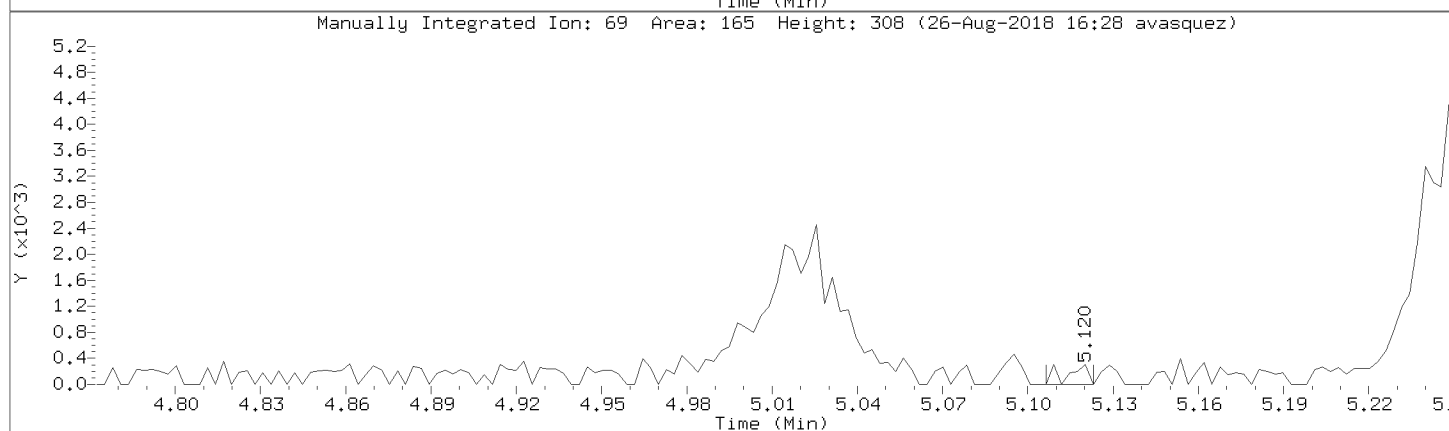
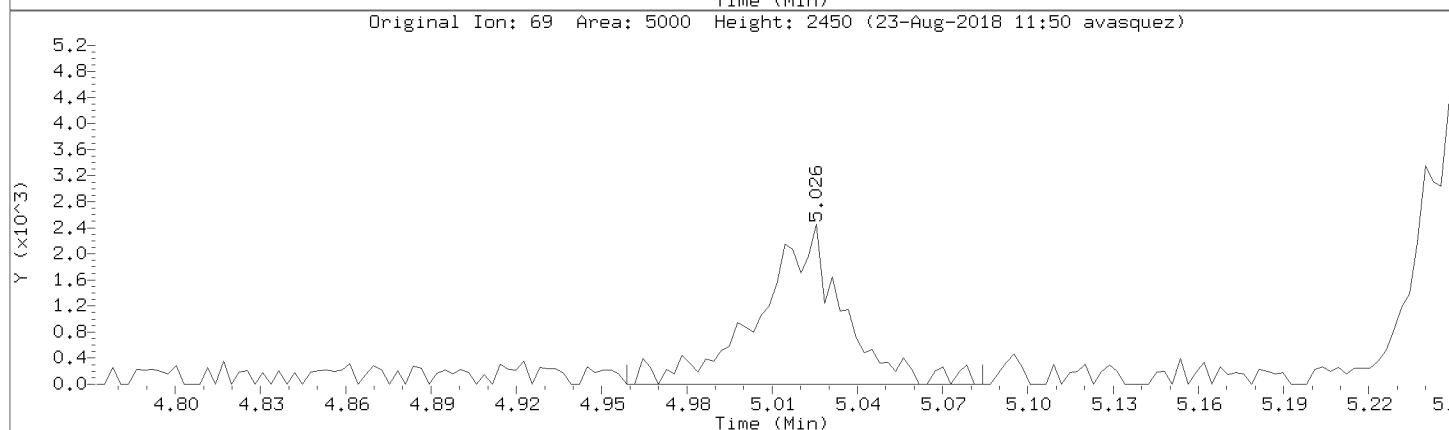
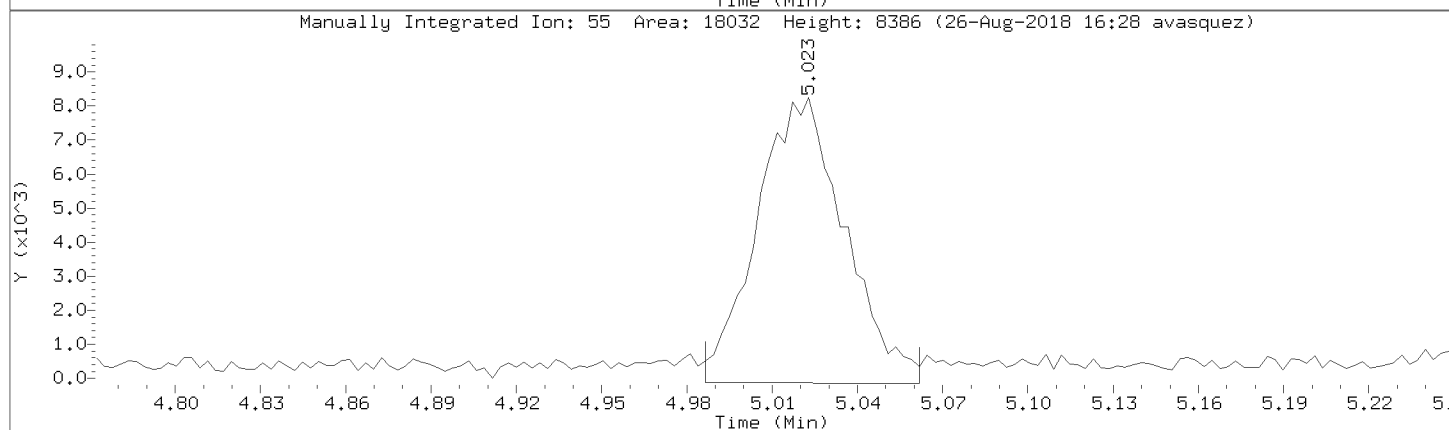
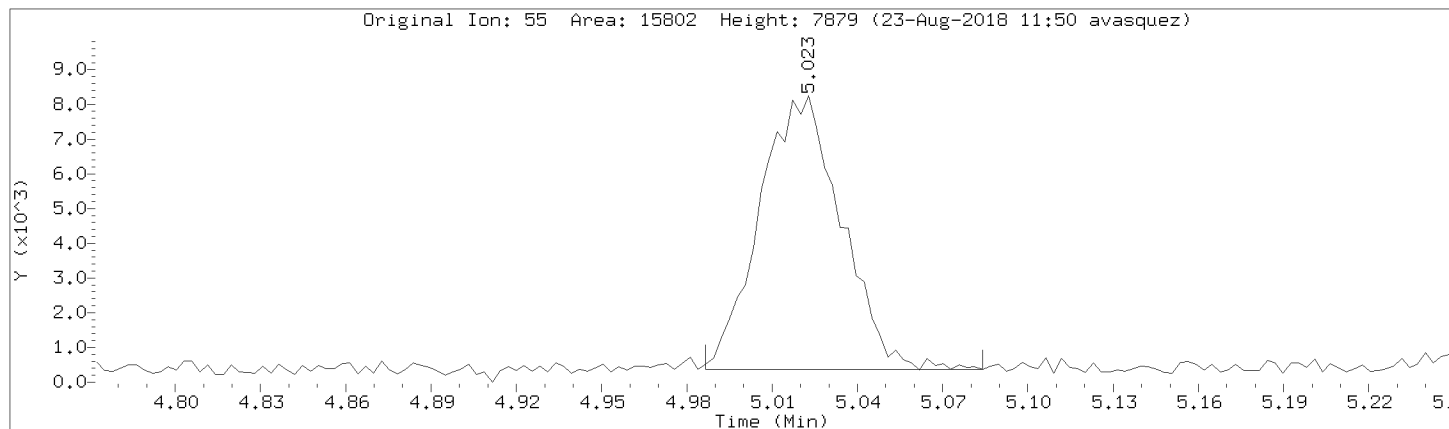
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: Methylcyclohexane

Review Code: NI

CAS Number: 108-87-2

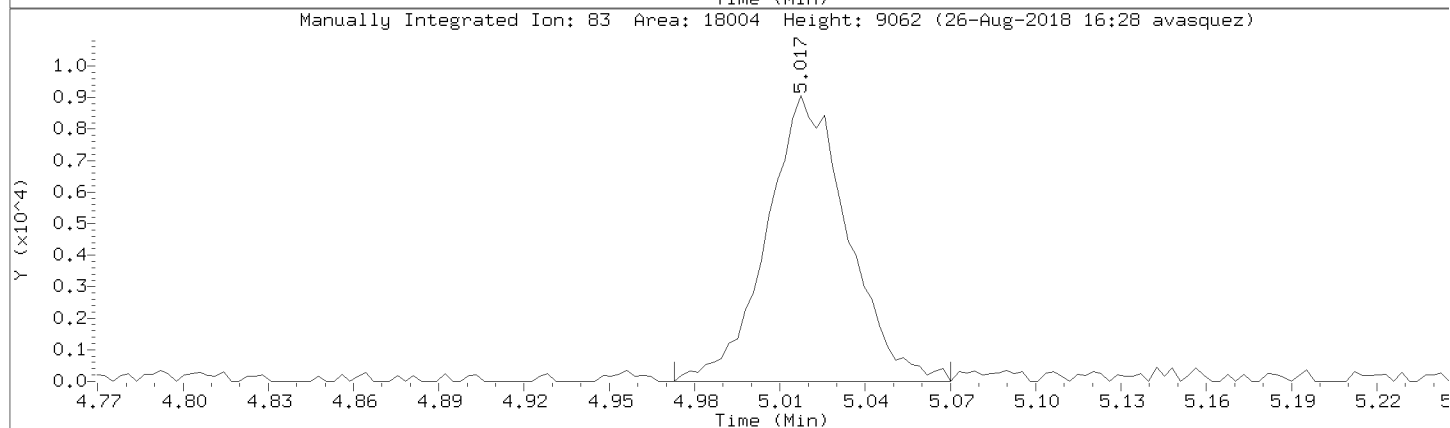
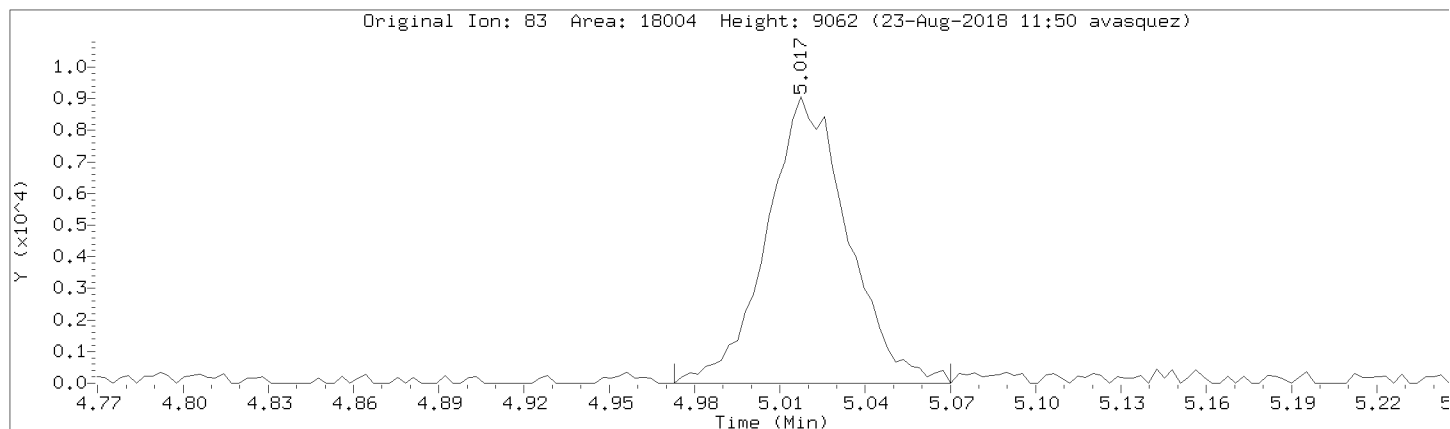


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Injection Date: 22-AUG-2018 15:57

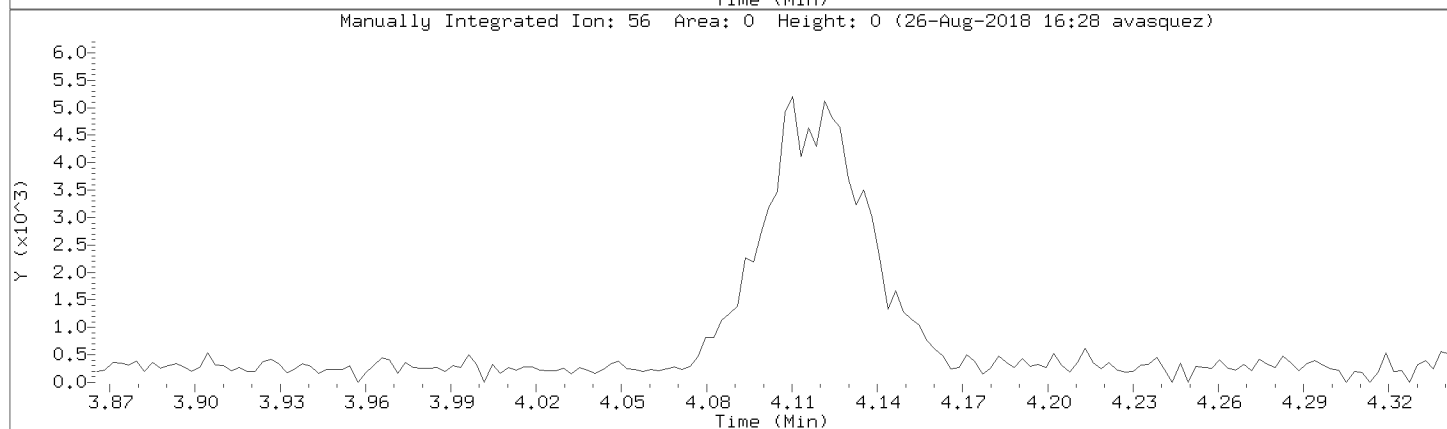
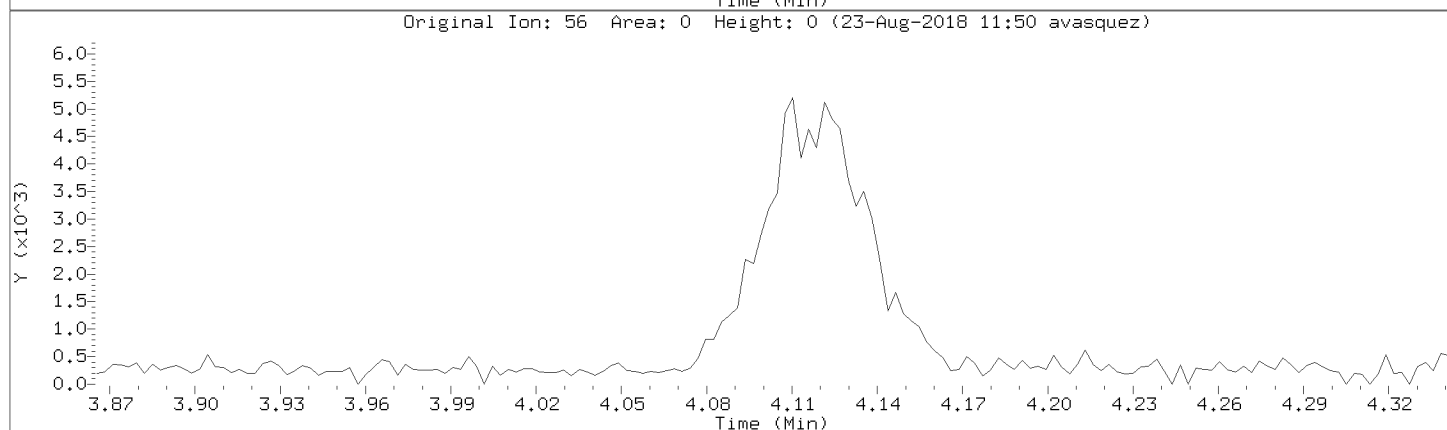
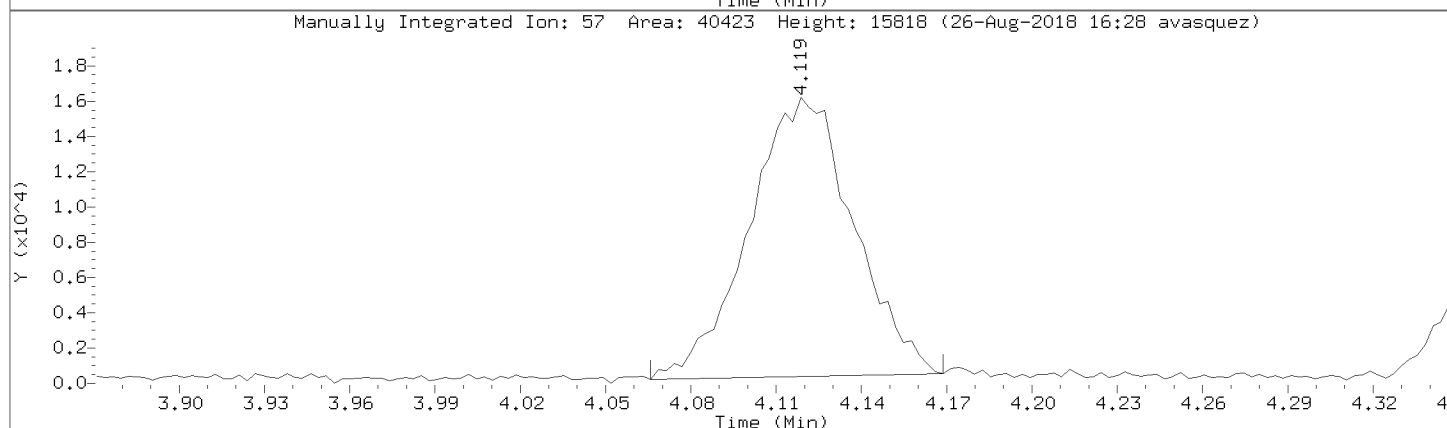
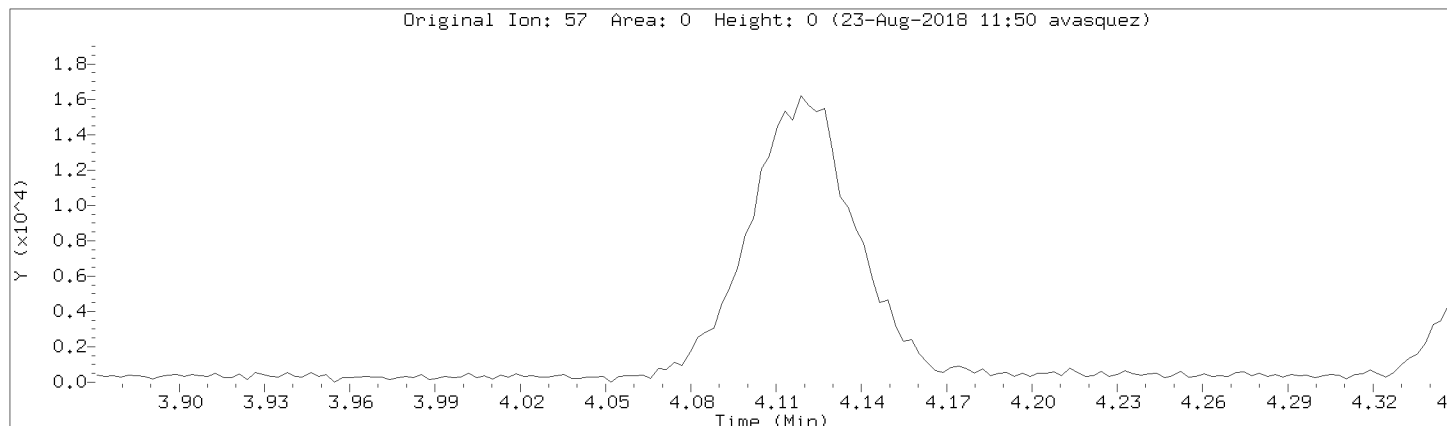
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4



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Injection Date: 22-AUG-2018 15:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4

Compound: 2,2,4-Trimethylpentane Review Code: NI
CAS Number: 540-84-1



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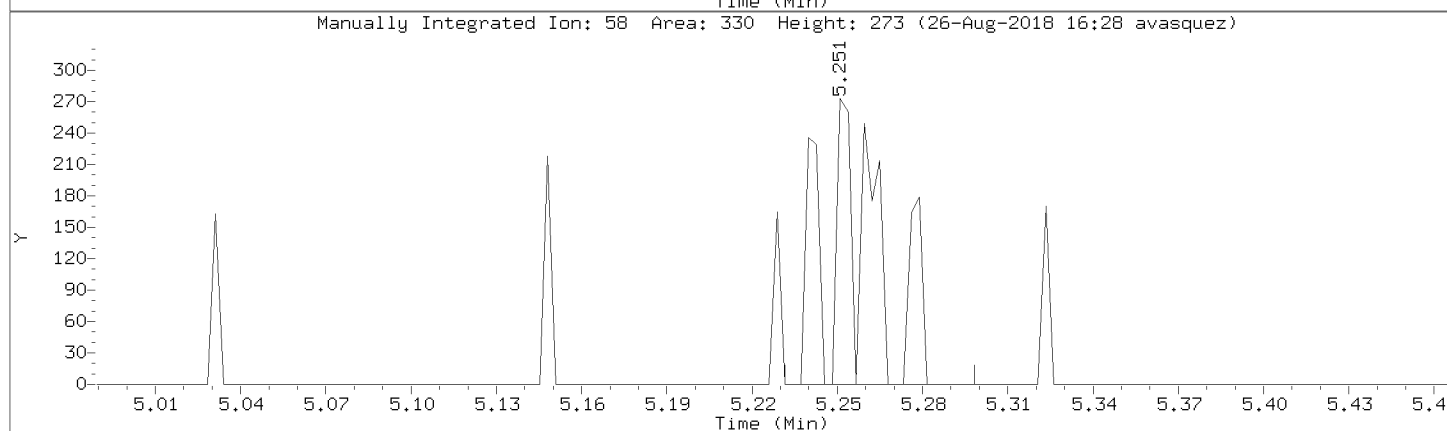
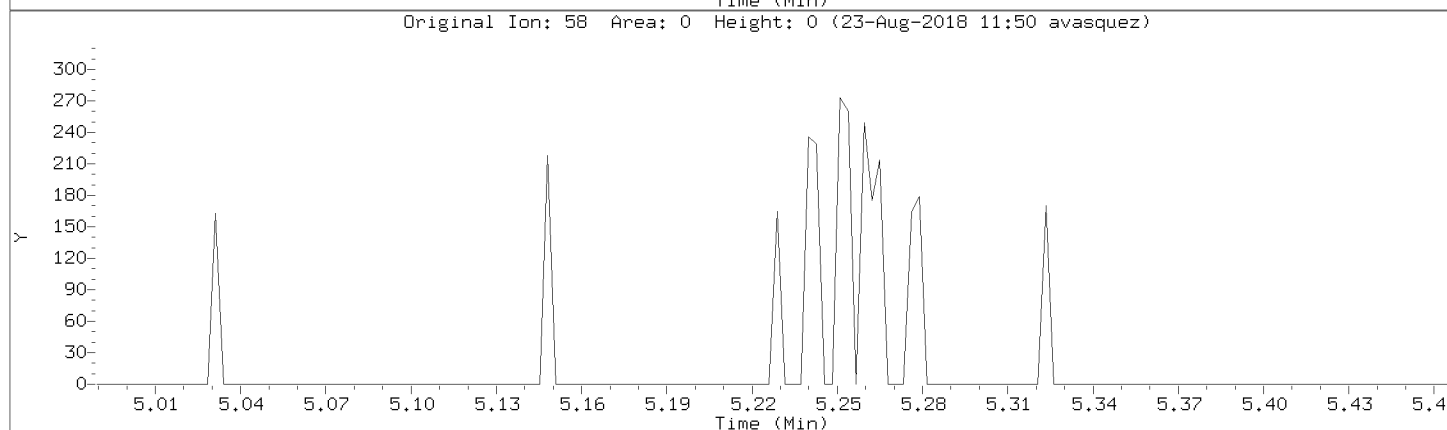
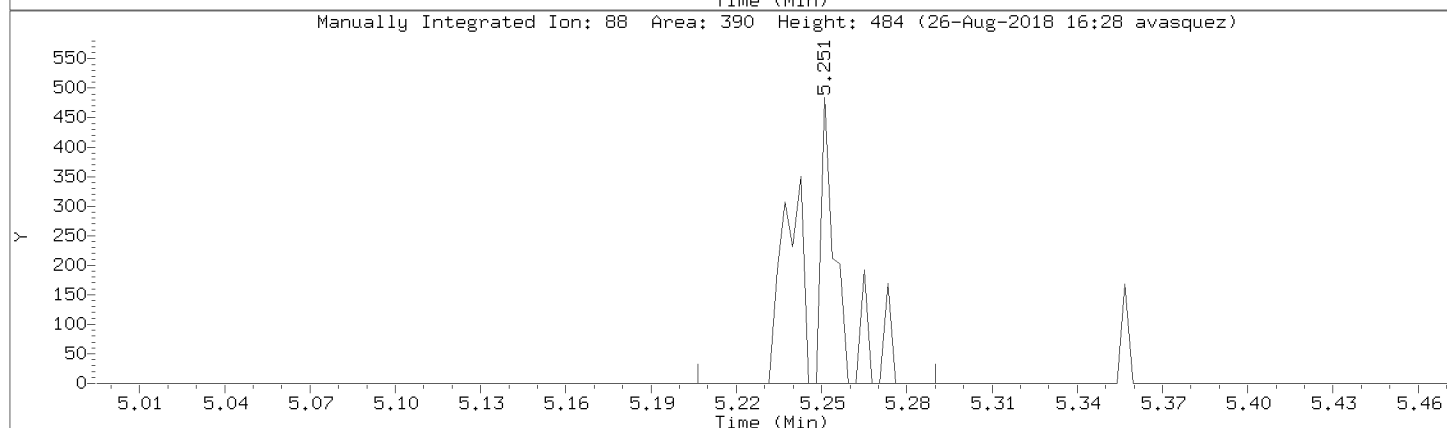
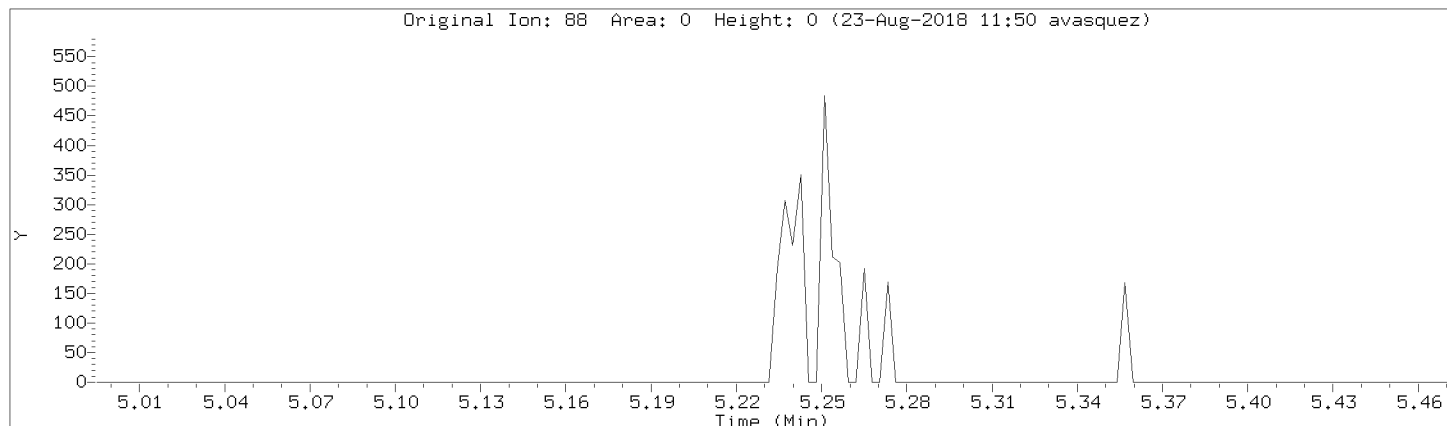
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Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

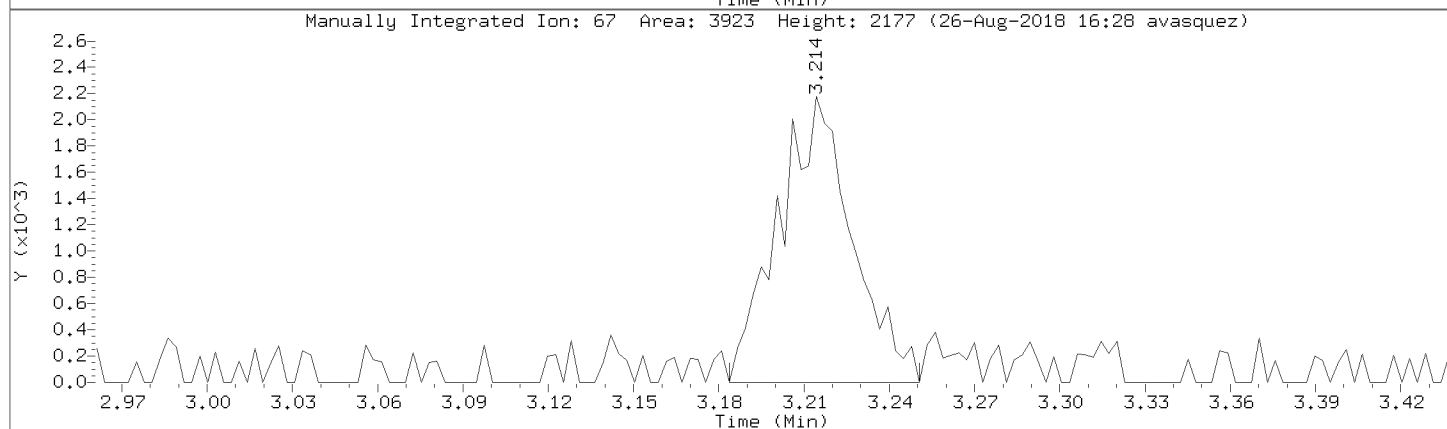
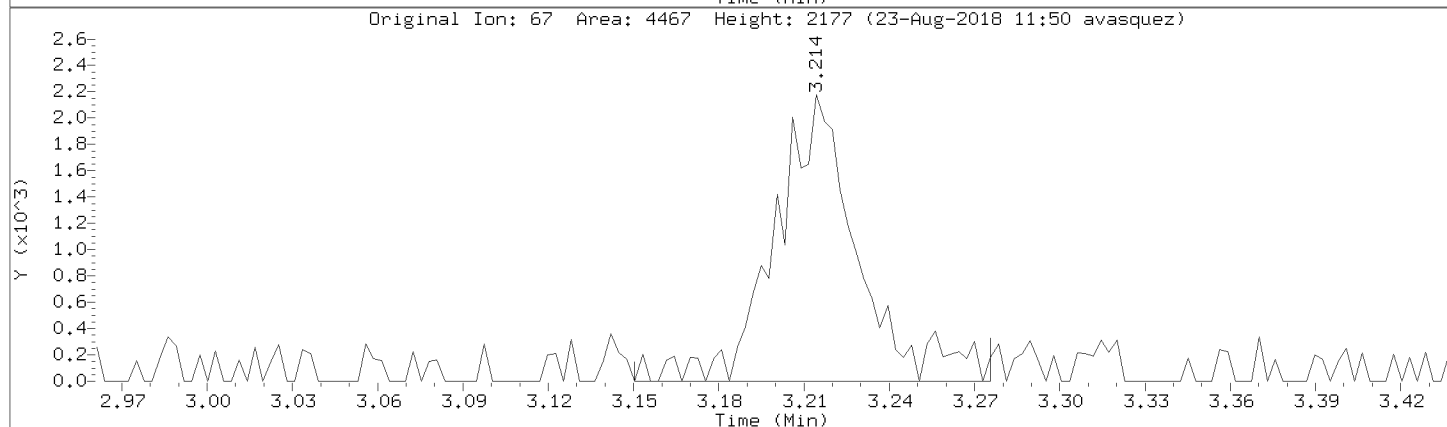
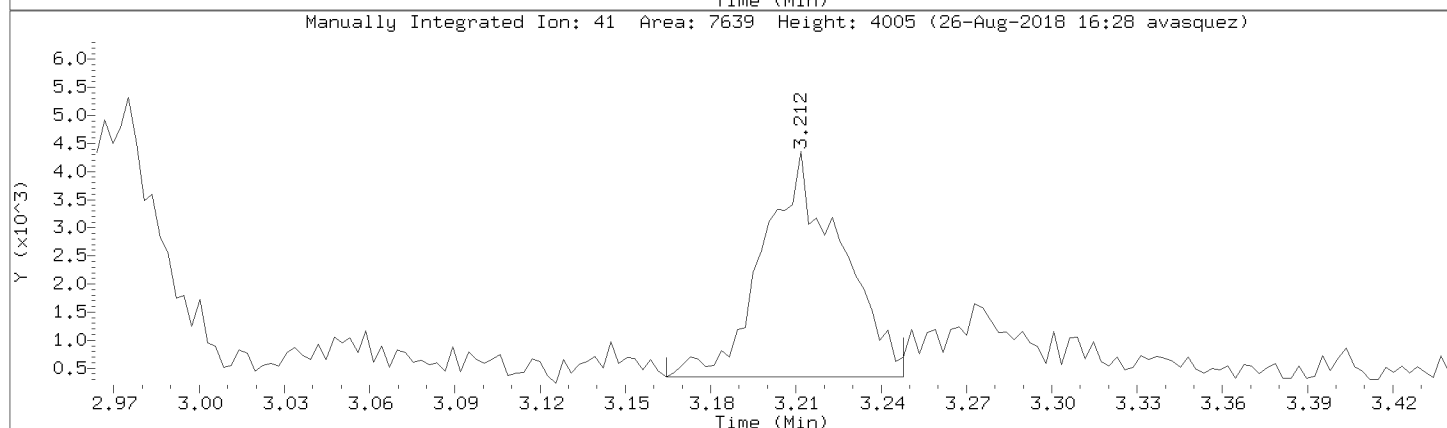
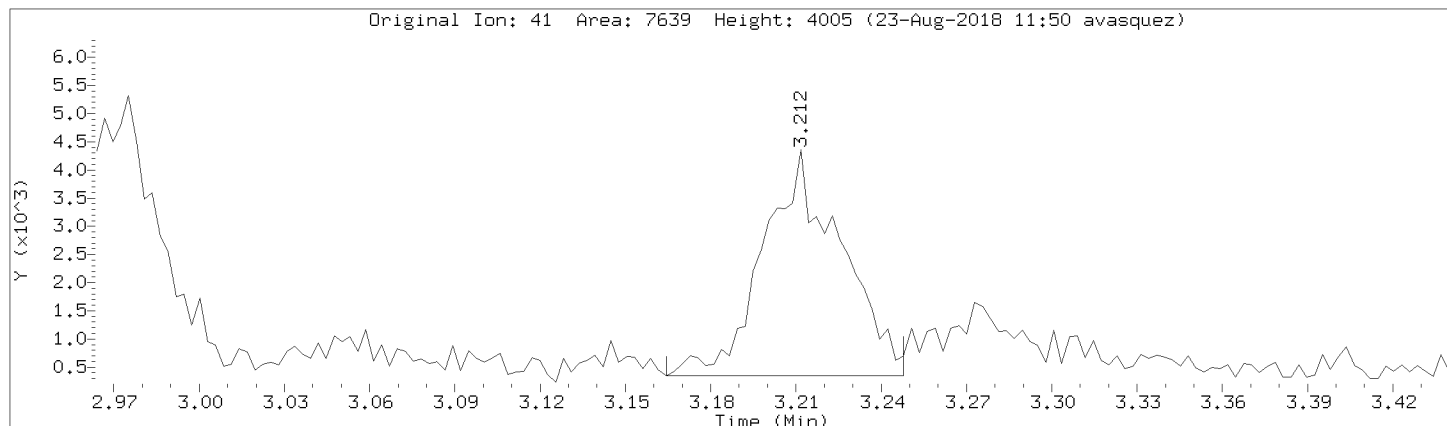
Compound: 1,4-Dioxane Review Code: NI

CAS Number:



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a05cal.d
Injection Date: 22-AUG-2018 15:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4

Compound: Methacrylonitrile Review Code: NI
CAS Number: 126-98-7

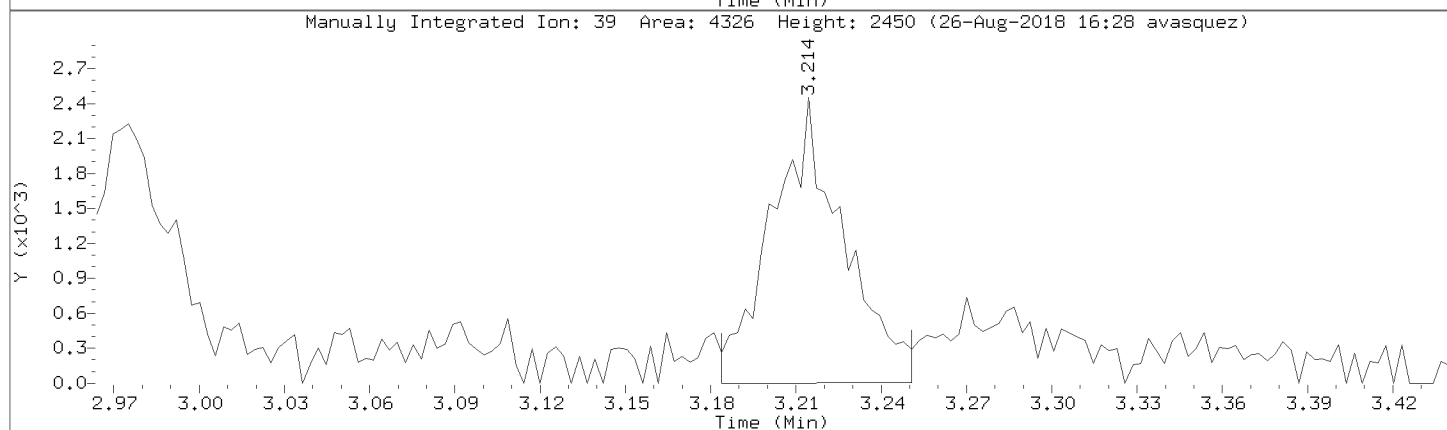
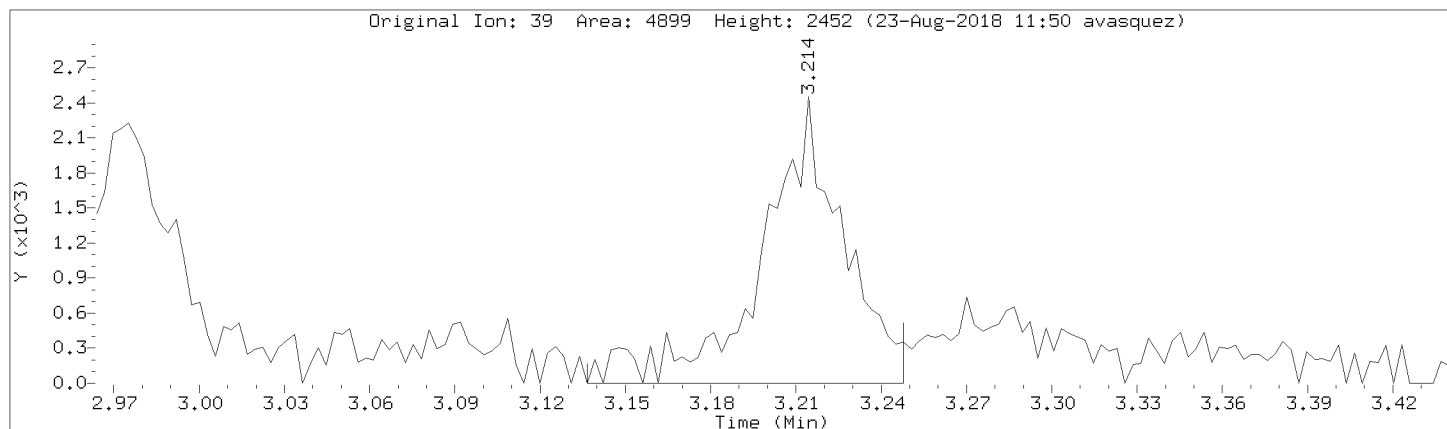


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Injection Date: 22-AUG-2018 15:57

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4



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Injection Date: 22-AUG-2018 15:57

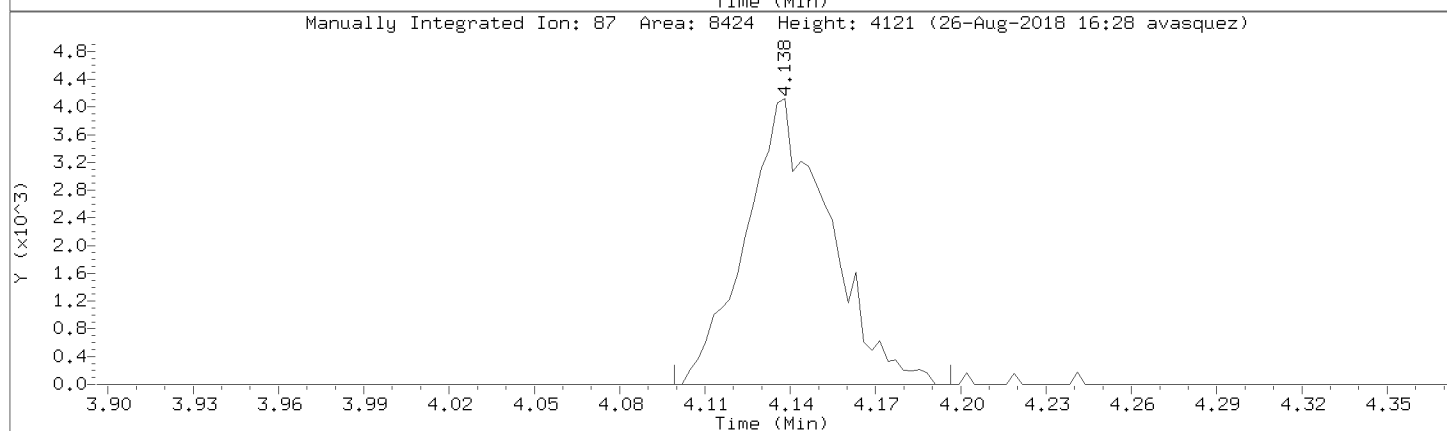
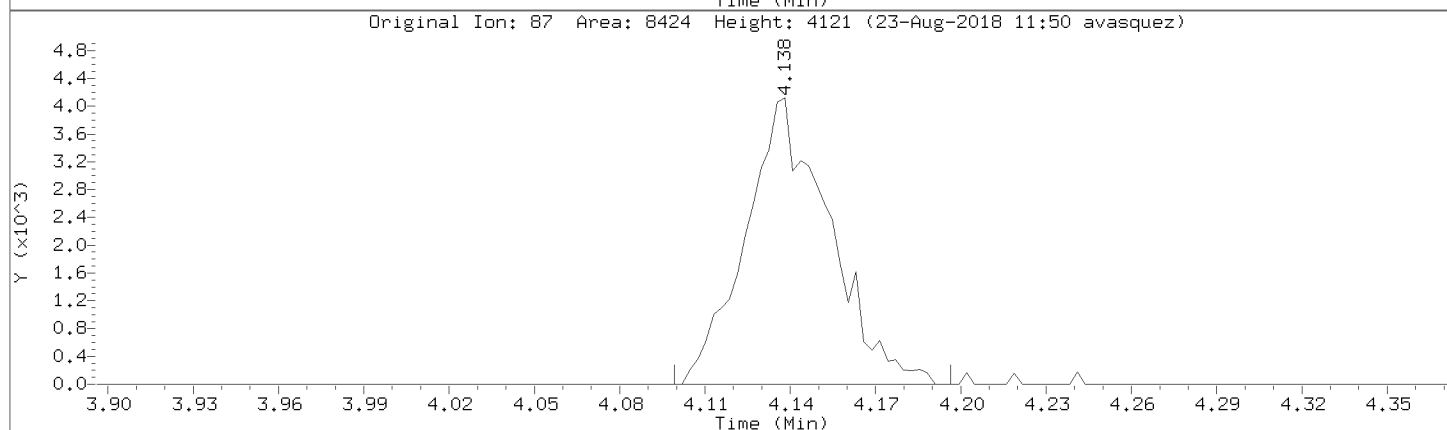
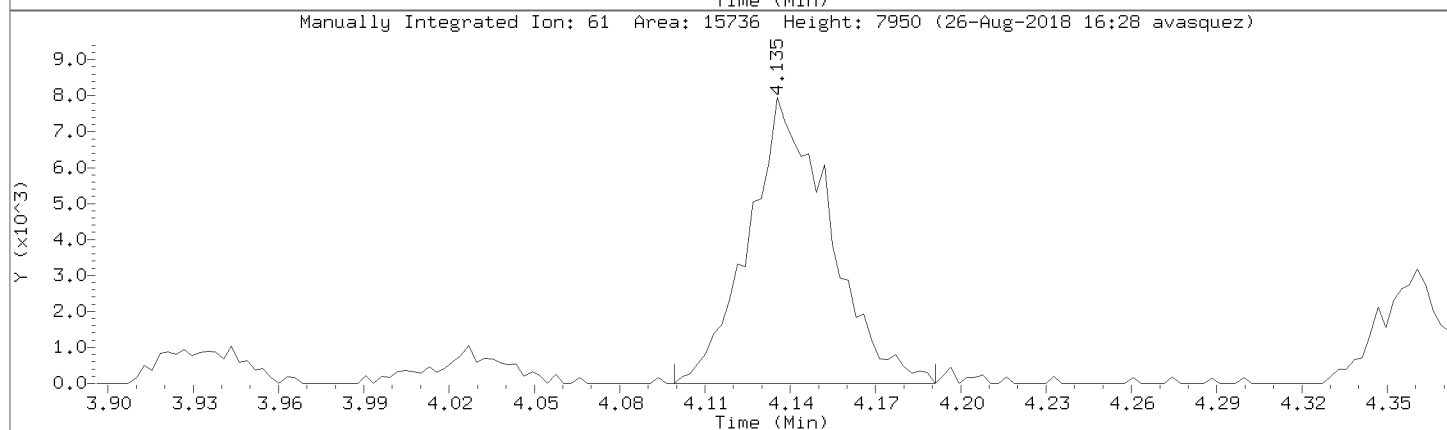
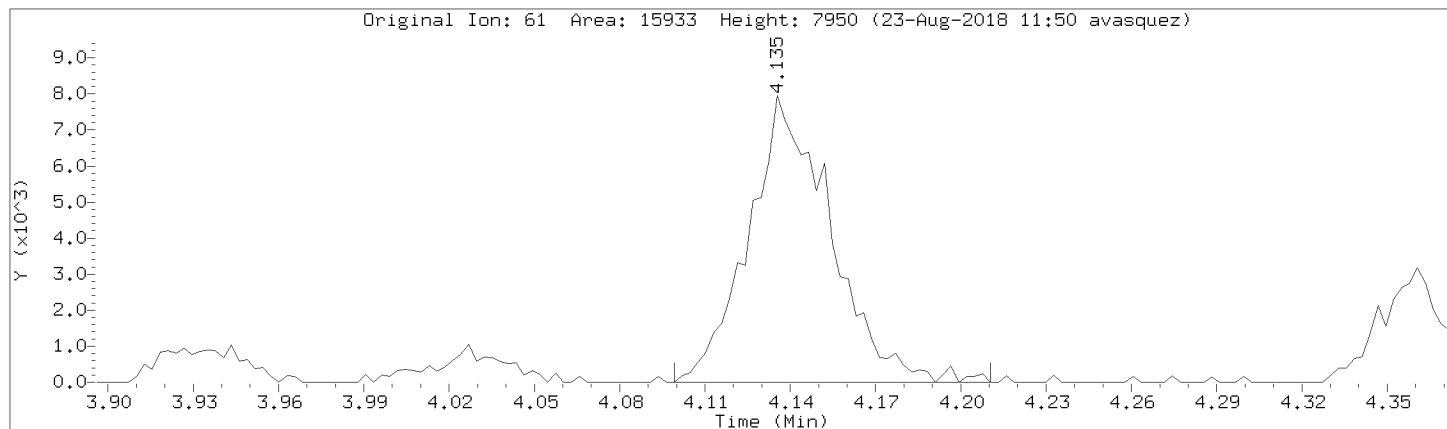
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: isopropyl acetate

Review Code: GT

CAS Number: 108-21-4

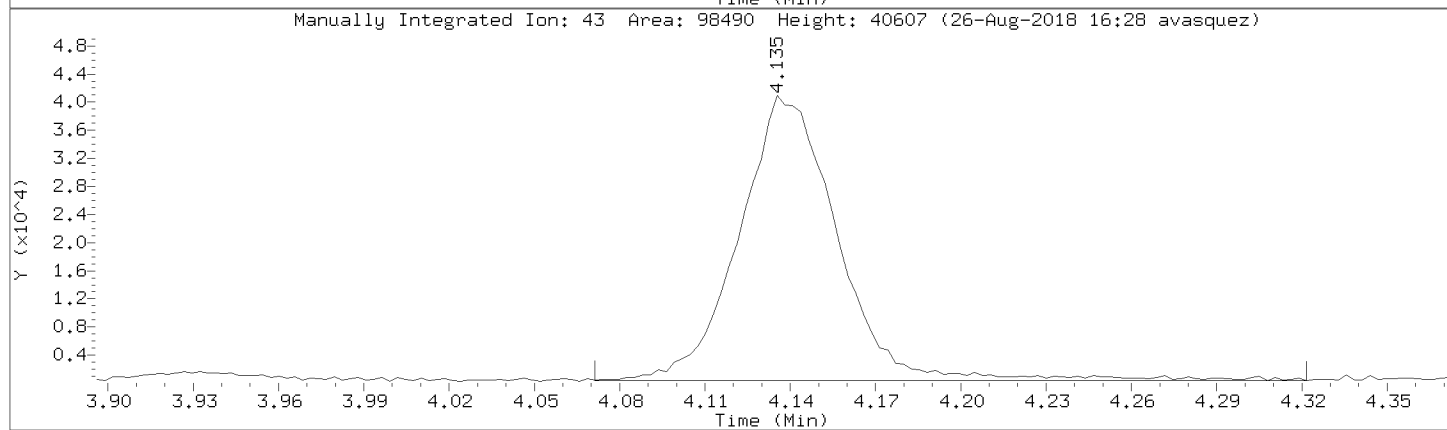
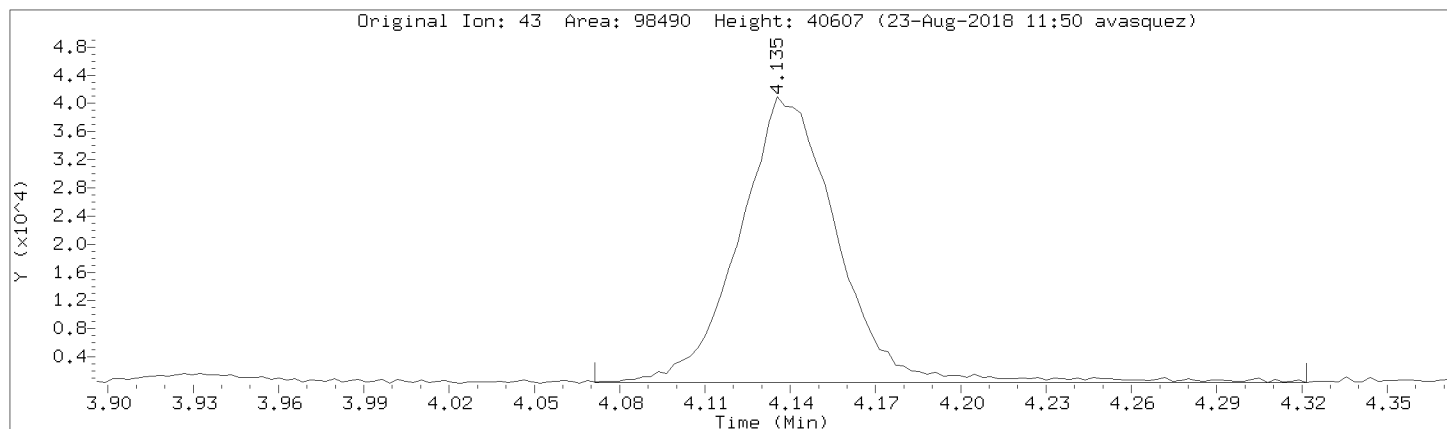


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Injection Date: 22-AUG-2018 15:57

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4



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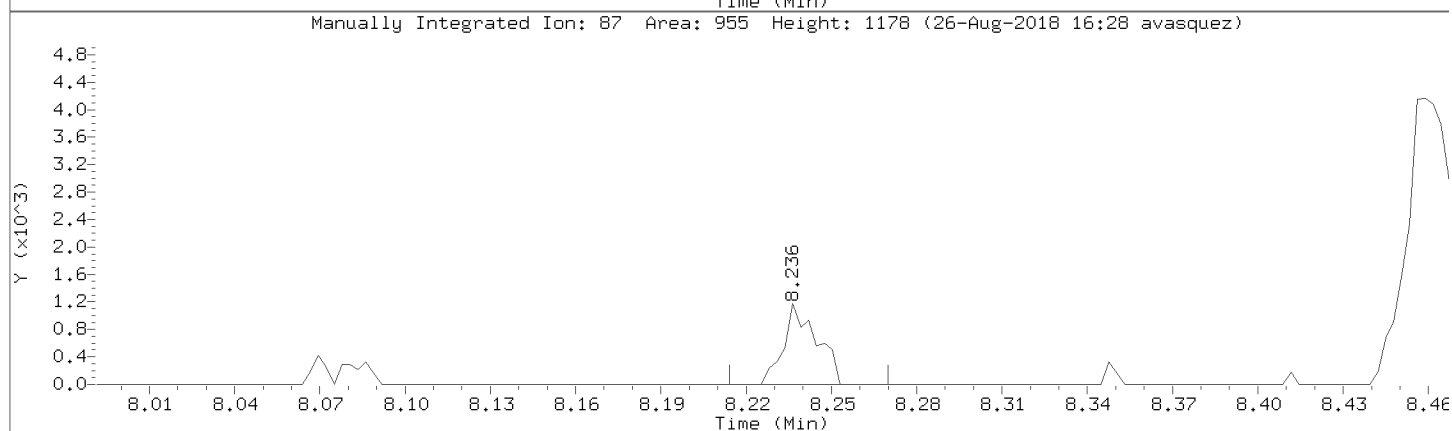
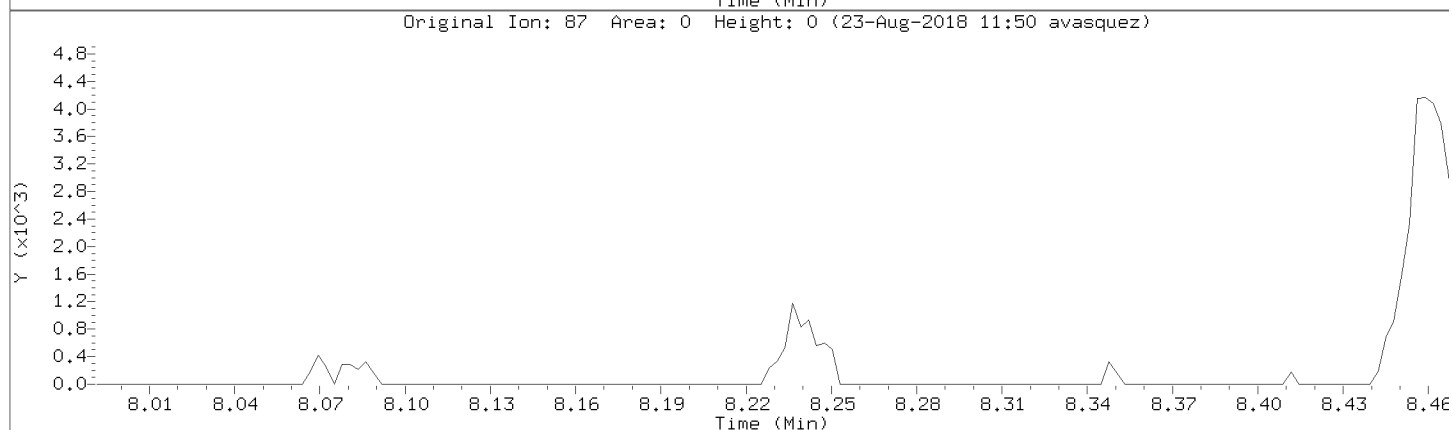
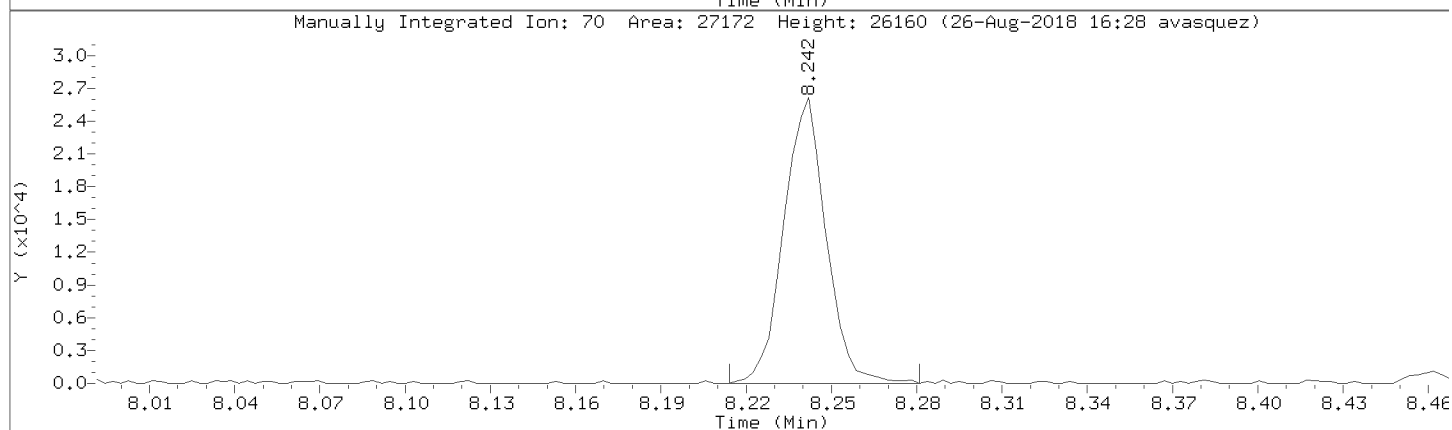
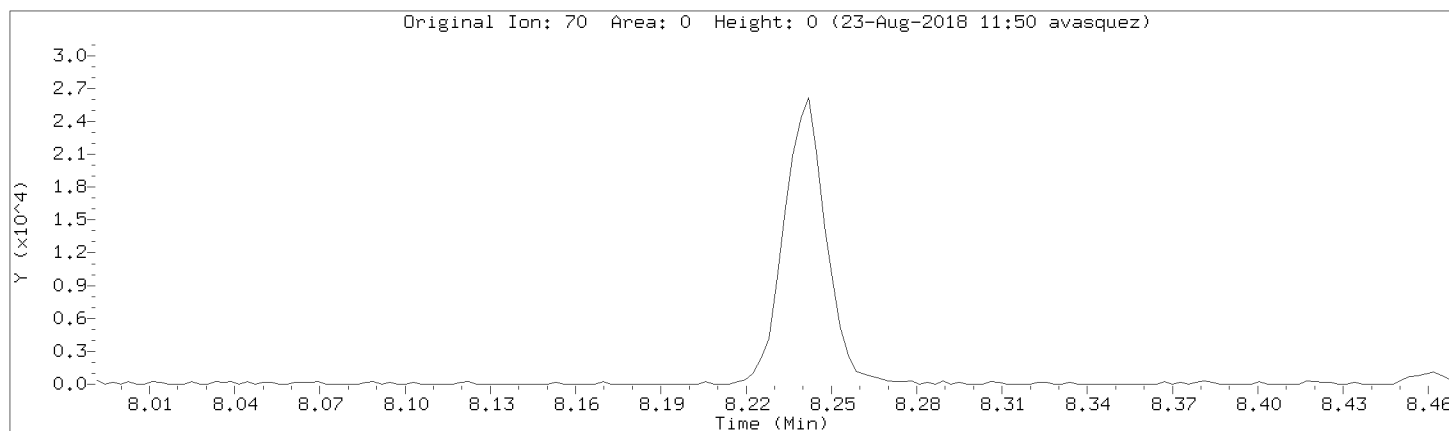
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

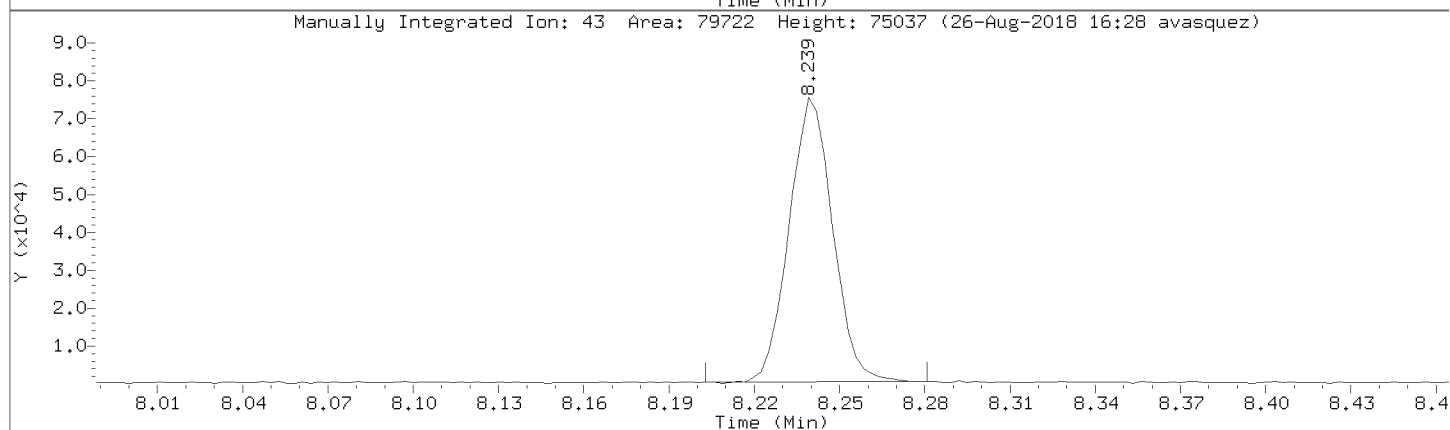
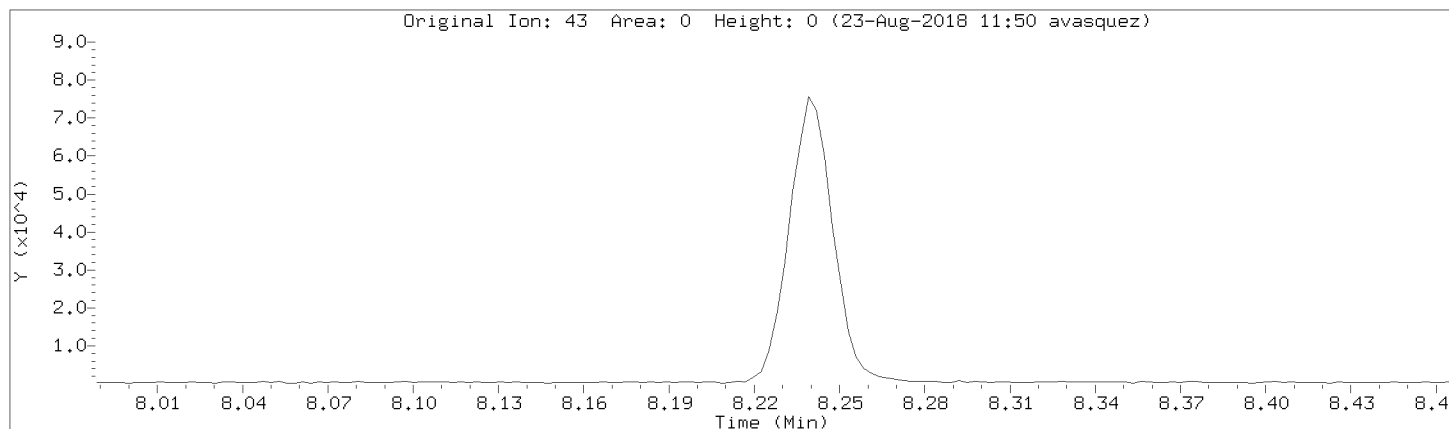
Compound: n-amyl acetate

Review Code: NI

CAS Number: 628-63-7

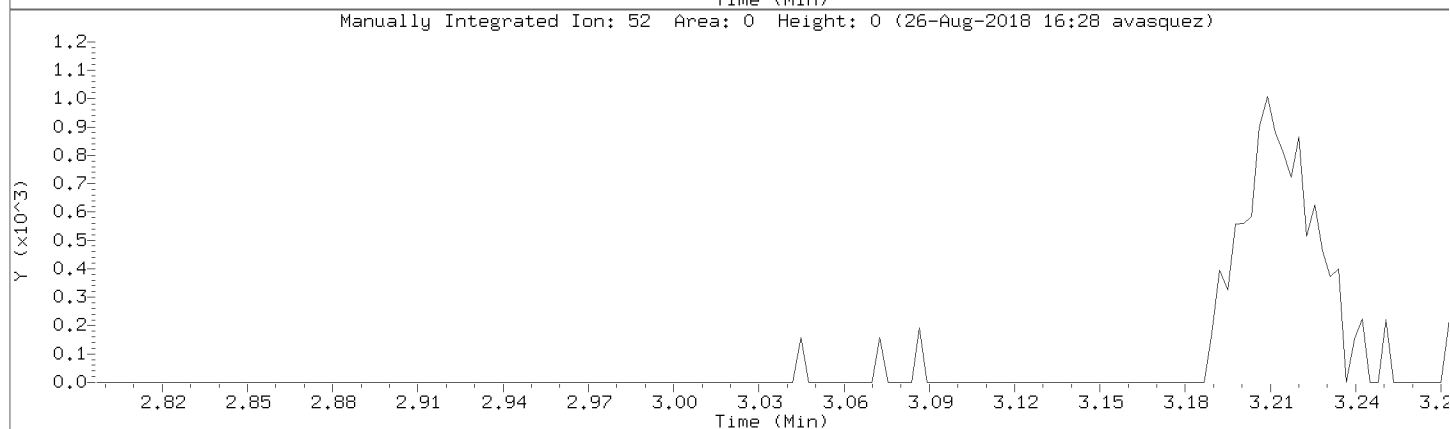
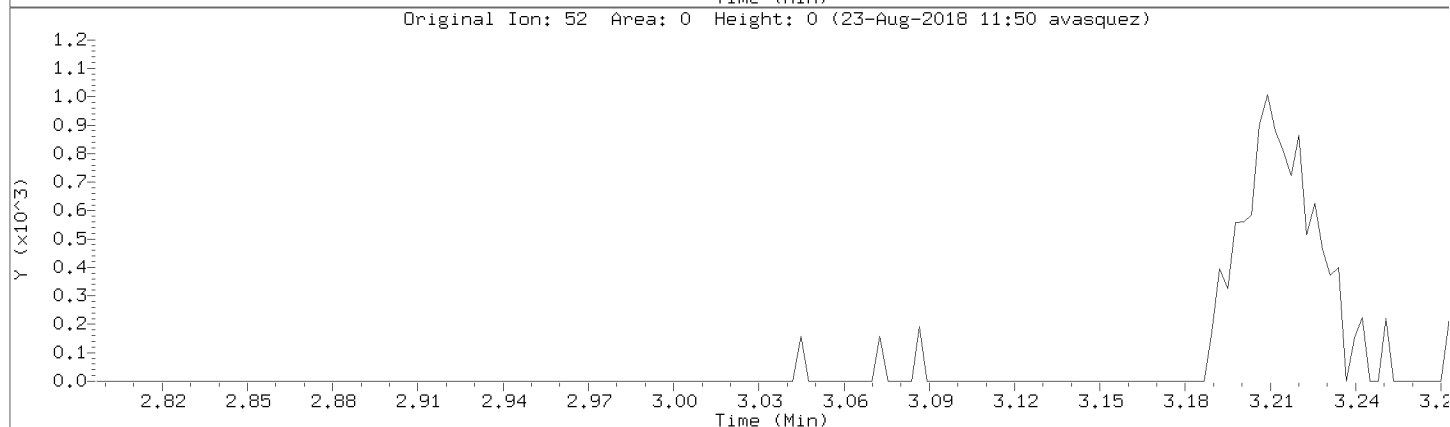
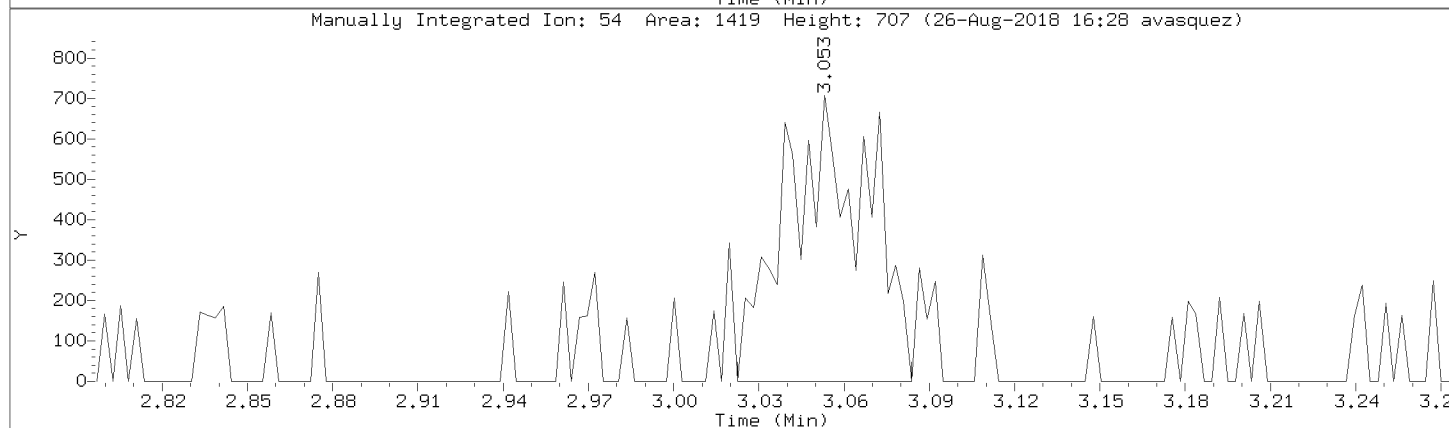
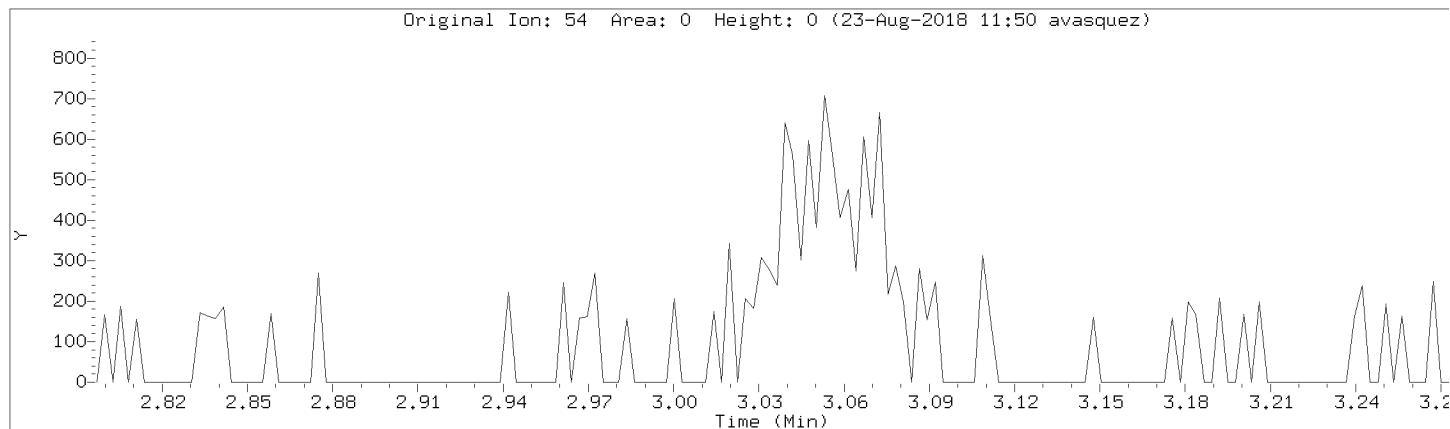


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Lab Sample ID: 8260-CAL4

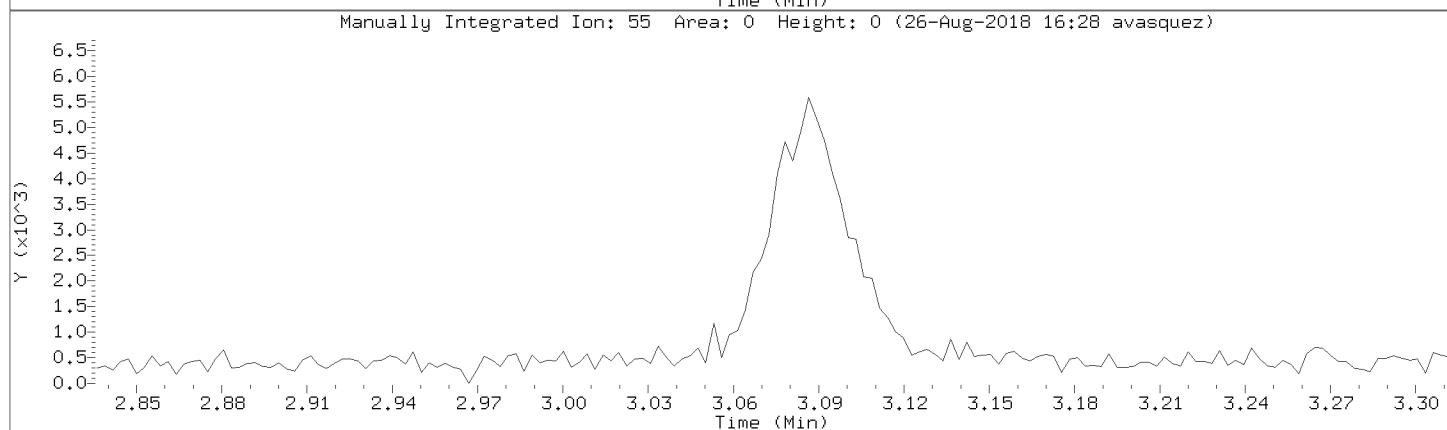
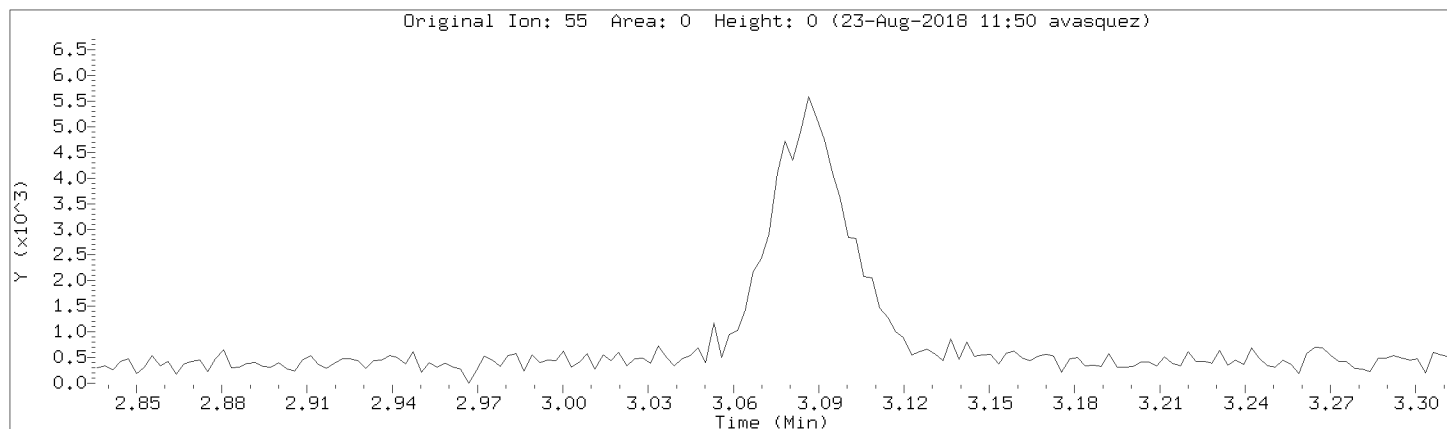


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Injection Date: 22-AUG-2018 15:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4

Compound: Propionitrile Review Code: NI
CAS Number: 107-12-0



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a05cal.d
Injection Date: 22-AUG-2018 15:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4



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Injection Date: 22-AUG-2018 15:57

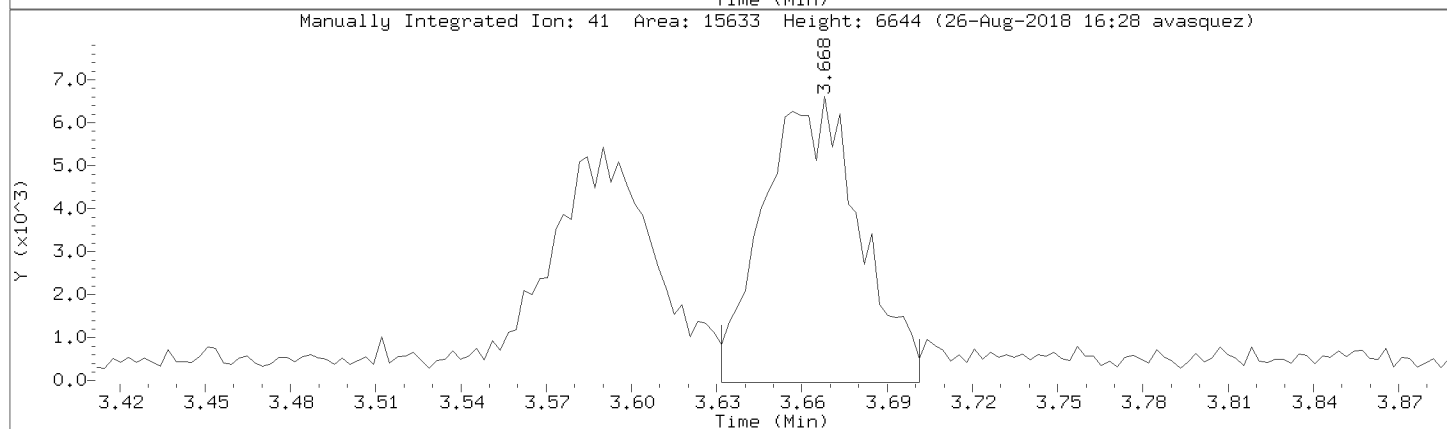
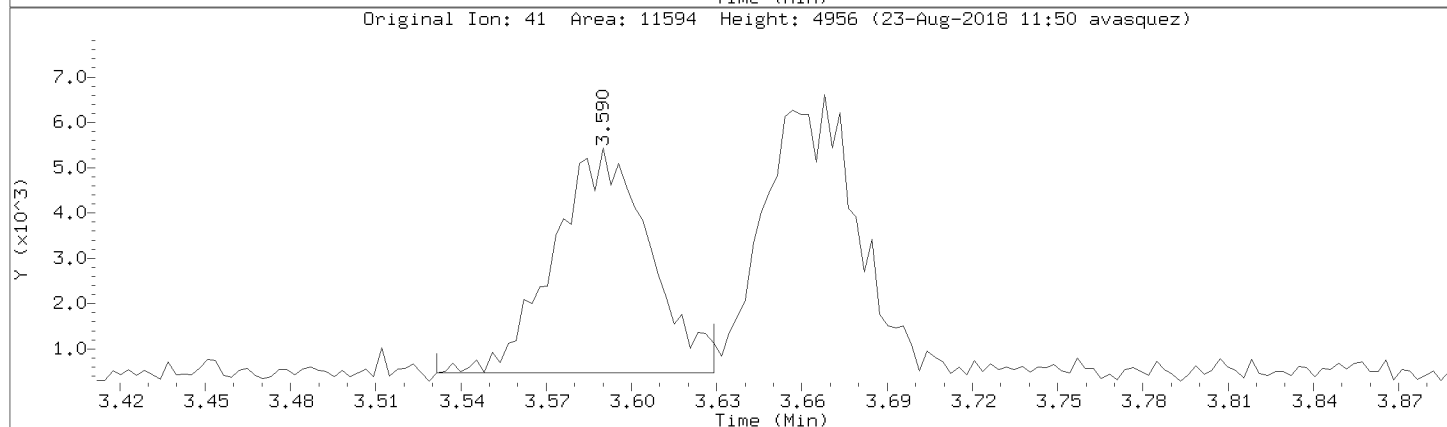
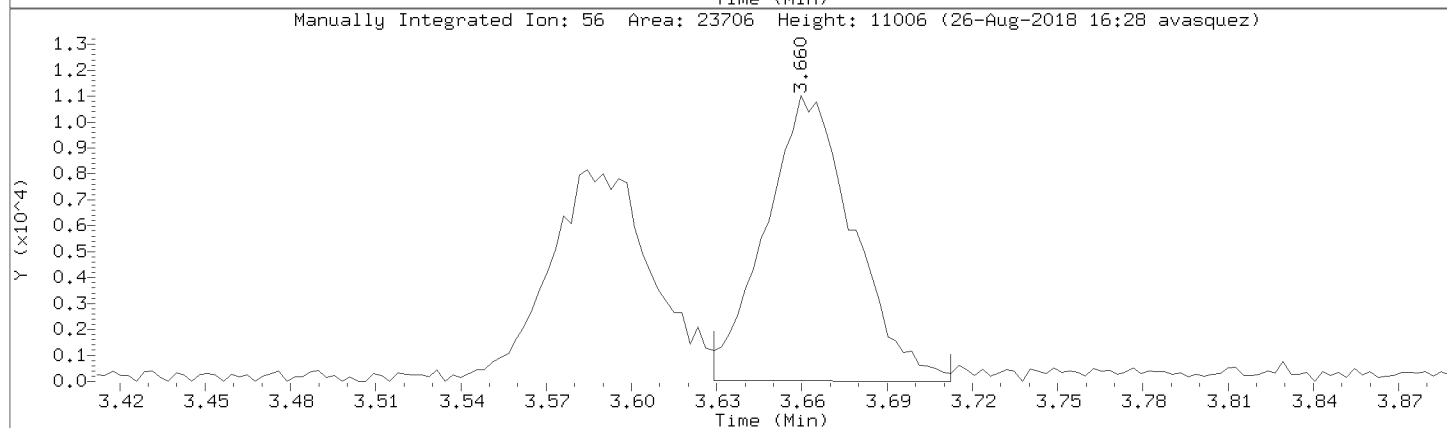
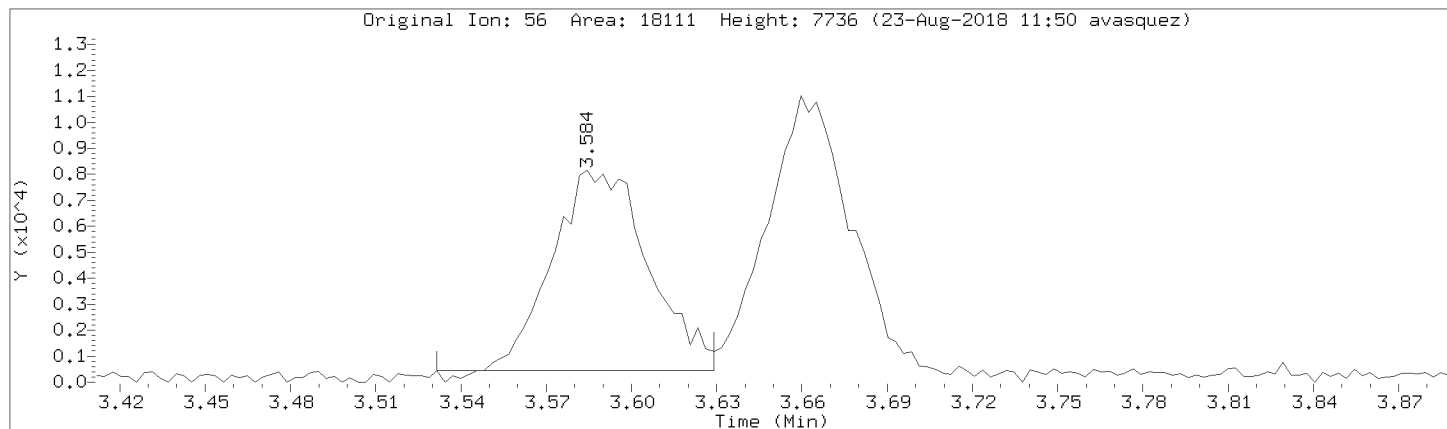
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: n-butyl chloride

Review Code: WP

CAS Number: 109-69-3



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a082218.b\a06cal.d
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 Inj Date : 22-AUG-2018 16:29
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 8260-cal5,184423:0
 Misc Info : 117473
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a082218.b\ -a8260_a_c.m
 Meth Date : 26-Aug-2018 16:30 50mv2a.i Quant Type: ISTD
 Cal Date : 15-AUG-2018 18:27 Cal File: a08cal.d
 Als bottle: 6 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
							CAL-AMT (ppb)	ON-COL (ppb)	
1 Dichlorodifluoromethane	85		0.927	0.927	(0.213)	19810	10.0000	9.70	
2 Chloromethane	50		1.033	1.032	(0.237)	14942	10.0000	9.54 (MH)	LT
3 Vinyl Chloride	62		1.072	1.069	(0.246)	19002	10.0000	8.98 (M)	GT
4 Bromomethane	94		1.230	1.230	(0.282)	5251	10.0000	8.06	
5 Chloroethane	64		1.277	1.277	(0.293)	12233	10.0000	10.9 (M)	GT
6 Trichlorofluoromethane	101		1.400	1.402	(0.321)	23467	10.0000	9.34	
7 Diethyl ether	74		1.539	1.539	(0.353)	10871	10.0000	10.4	
8 1,2-dichlorotrifluoroethane	67		1.539	1.536	(0.353)	21457	10.0000	11.8	
9 Acrolein	56		1.614	1.614	(0.370)	69774	200.000	174	
10 1,1,2trichlorotrifluoroethane	101		1.664	1.667	(0.382)	17851	10.0000	11.0	
11 1,1-Dichloroethene	96		1.675	1.675	(0.384)	17059	10.0000	10.4	
12 Acetone	43		1.695	1.695	(0.389)	24671	50.0000	49.0 (M)	GT
13 Iodomethane	142		1.770	1.770	(0.406)	36226	20.0000	19.6	
14 Carbon Disulfide	76		1.817	1.814	(0.417)	51227	10.0000	10.6	
15 Methyl Acetate	43		1.695	1.695	(0.389)	26892	10.0000	10.7 (Q)	
16 Acetonitrile	39		1.881	1.881	(0.432)	54272	10.0000	10.4	
17 allyl chloride	41		1.881	1.881	(0.432)	79511	20.0000	22.7 (QM)	NI
18 Methylene Chloride	84		1.956	1.956	(0.449)	21362	10.0000	11.7 (M)	GT
19 tert-Butyl Alcohol	59		2.009	2.003	(0.461)	3159	20.0000	21.4 (QM)	GT
20 Acrylonitrile	53		2.115	2.112	(0.485)	32005	40.0000	43.7	
21 Methyl-tert-butyl ether	73		2.134	2.134	(0.490)	52997	10.0000	10.5	
22 1,2-Dichloroethene (trans)	96		2.140	2.140	(0.491)	18645	10.0000	10.4	
23 n-Hexane	57		2.335	2.335	(0.536)	37466	10.0000	10.4	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
24 Vinyl Acetate	43	2.485	2.485	(0.570)	193774	40.0000	34.8 (M)	WP
25 1,1-Dichloroethane	63	2.452	2.454	(0.562)	38161	10.0000	11.2	
26 Chloroprene	53	2.527	2.529	(0.580)	40459	10.0000	10.4	
27 Ethyl acetate	88	2.530	2.529	(0.580)	17146	80.0000	87.5 (M)	LT
28 2-Butanone	72	2.986	2.983	(0.685)	9170	50.0000	55.7	
29 1,2-Dichloroethene (cis)	96	2.969	2.969	(0.681)	19816	10.0000	9.99	
30 2,2-Dichloropropane	77	2.969	2.972	(0.681)	30429	10.0000	10.3 (M)	NI
31 Propionitrile	54	3.047	3.047	(0.699)	2359	10.0000	9.81 (M)	NI
32 Methacrylonitrile	41	3.214	3.214	(0.737)	14592	10.0000	9.83	
33 Bromochloromethane	49	3.222	3.219	(0.739)	17509	10.0000	11.1	
34 Tetrahydrofuran	42	3.270	3.269	(0.750)	8426	10.0000	12.1	
35 Chloroform	83	3.309	3.311	(0.759)	34119	10.0000	10.1	
\$ 36 Dibromofluoromethane (S)	113	3.501	3.503	(0.803)	80280	50.0000	49.7	
37 1,1,1-Trichloroethane	97	3.523	3.523	(0.808)	31972	10.0000	10.7	
38 cyclohexane	56	3.587	3.587	(0.823)	41693	10.0000	10.4	
150 n-butyl chloride	56	3.665	3.662	(0.840)	48541	10.0000	10.2 (M)	WP
39 Carbon Tetrachloride	117	3.726	3.728	(0.855)	27724	10.0000	10.6 (M)	GT
40 1,1-Dichloropropene	75	3.731	3.734	(0.856)	27382	10.0000	11.1 (M)	GT
41 Benzene	78	4.001	4.004	(0.918)	75081	10.0000	10.7	
42 1,2-Dichloroethane	62	4.032	4.032	(0.925)	26352	10.0000	10.2	
43 2,2,4-Trimethylpentane	57	4.118	4.121	(0.944)	84380	10.0000	10.3 (M)	NI
44 Isobutyl alcohol	43	3.929	3.662	(0.901)	5841	90.0000	75.7 (QM)	NI
* 45 Fluorobenzene	96	4.360	4.363	(1.000)	361850	50.0000		
46 isopropyl acetate	61	4.138	4.146	(0.949)	29993	40.0000	42.6 (QM)	NI
47 Trichloroethene	95	4.808	4.802	(1.103)	20528	10.0000	10.7	
48 Methylcyclohexane	55	5.022	5.022	(1.152)	36574	10.0000	10.8	
49 1,2-Dichloropropane	63	5.067	5.067	(1.162)	20422	10.0000	10.9 (M)	NI
50 1,4-Dioxane	88	5.248	5.245	(1.204)	1220	200.000	230	
51 Dibromomethane	93	5.200	5.200	(1.193)	10448	10.0000	10.7	
52 Methyl methacrylate	69	5.248	5.248	(1.204)	14787	10.0000	10.5 (M)	NI
53 Bromodichloromethane	83	5.398	5.398	(1.238)	25873	10.0000	10.1 (M)	GT
54 2-Chloroethyl vinyl ether	63	5.771	5.771	(0.765)	29453	20.0000	21.9	
55 cis-1,3-Dichloropropene	75	5.910	5.907	(0.783)	31328	10.0000	10.7	
56 4-Methyl-2-Pentanone	43	6.096	6.099	(0.808)	114524	50.0000	50.5	
\$ 57 Toluene-d8	98	6.188	6.188	(0.820)	332986	50.0000	49.5	
58 Toluene	91	6.258	6.260	(0.830)	84909	10.0000	10.2	
59 trans-1,3-Dichloropropene	75	6.514	6.513	(0.864)	30355	10.0000	11.1	
60 Ethyl Methacrylate	69	6.631	6.633	(0.879)	28214	10.0000	10.8	
61 1,1,2-Trichloroethane	83	6.683	6.689	(0.886)	14333	10.0000	11.4 (M)	GT
62 Tetrachloroethene	166	6.806	6.806	(0.902)	24578	10.0000	11.1	
63 1,3-Dichloropropane	76	6.845	6.845	(0.907)	28527	10.0000	10.6	
64 2-Hexanone	43	6.945	6.945	(0.921)	83368	50.0000	52.1	
65 Dibromochloromethane	129	7.045	7.045	(0.934)	20088	10.0000	11.1	
66 1,2-Dibromoethane	107	7.137	7.134	(0.946)	16504	10.0000	10.9	
* 67 Chlorobenzene-d5	117	7.543	7.540	(1.000)	275277	50.0000		
68 Chlorobenzene	112	7.565	7.565	(1.003)	53388	10.0000	11.2	
69 1,1,1,2-Tetrachloroethane	131	7.640	7.640	(1.013)	20012	10.0000	10.8	
70 Ethylbenzene	106	7.666	7.663	(1.016)	30876	10.0000	11.1	
71 m&p-Xylene	106	7.763	7.763	(1.029)	73394	20.0000	21.2	
72 o-Xylene	106	8.069	8.072	(1.070)	33745	10.0000	10.7	
73 Styrene	104	8.083	8.083	(1.072)	58944	10.0000	11.0	
74 Bromoform	173	8.216	8.219	(0.887)	14025	10.0000	10.9	
75 Isopropylbenzene	105	8.350	8.353	(1.107)	95432	10.0000	10.5	
\$ 76 4-Bromofluorobenzene	95	8.458	8.461	(1.121)	128002	50.0000	49.7	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
77 n-amyl acetate	70	8.241	8.241	(1.093)	55187	40.0000	42.6	
78 Bromobenzene	77	8.564	8.567	(1.135)	32925	10.0000	10.4 (M)	GT
79 1,1,2,2-Tetrachloroethane	83	8.575	8.575	(0.925)	22007	10.0000	10.7	
80 trans-1,4-Dichloro-2-butene	53	8.617	8.614	(1.142)	7016	10.0000	9.47 (M)	GT
81 1,2,3-Trichloropropane	110	8.600	8.603	(0.928)	6405	10.0000	9.92 (Q)	
82 n-Propylbenzene	91	8.650	8.650	(0.933)	111595	10.0000	10.9	
83 2-Chlorotoluene	91	8.709	8.709	(0.940)	63831	10.0000	11.2	
84 1,3,5-Trimethylbenzene	105	8.773	8.775	(0.947)	76359	10.0000	10.8	
85 4-Chlorotoluene	126	8.787	8.787	(0.948)	21899	10.0000	11.2	
86 tert-Butylbenzene	119	9.001	9.004	(0.971)	89308	10.0000	10.8	
87 1,2,4-Trimethylbenzene	105	9.032	9.034	(0.974)	74473	10.0000	10.5	
88 sec-Butylbenzene	105	9.148	9.151	(0.987)	99697	10.0000	10.9	
89 1,3-Dichlorobenzene	146	9.224	9.223	(0.995)	42624	10.0000	11.0 (H)	WP
90 p-Isopropyltoluene	119	9.246	9.246	(0.998)	85941	10.0000	11.2	
* 91 1,4-Dichlorobenzene-d4	152	9.268	9.268	(1.000)	142600	50.0000		
92 1,4-Dichlorobenzene	146	9.285	9.285	(1.002)	42256	10.0000	10.9	
93 n-Butylbenzene	91	9.516	9.516	(1.027)	76091	10.0000	10.5	
94 1,2-Dichlorobenzene	146	9.532	9.532	(1.029)	37689	10.0000	10.9	
95 1,2-Dibromo-3-chloropropane	155	10.036	10.033	(1.083)	3847	10.0000	11.0	
96 1,2,4-Trichlorobenzene	180	10.545	10.545	(1.138)	27390	10.0000	11.1	
97 Hexachlorobutadiene	225	10.640	10.640	(1.148)	13557	10.0000	10.6	
98 Naphthalene	128	10.701	10.701	(1.155)	60475	10.0000	10.5	
99 1,2,3-Trichlorobenzene	180	10.843	10.845	(1.170)	23957	10.0000	10.8	
100 2-methyl-naphthalene	142	11.419	11.419	(1.232)	30366	10.0000	10.3	
101 1-Methylnaphthalene	142	11.558	11.558	(1.247)	25382	10.0000	10.7	

QC Flag Legend

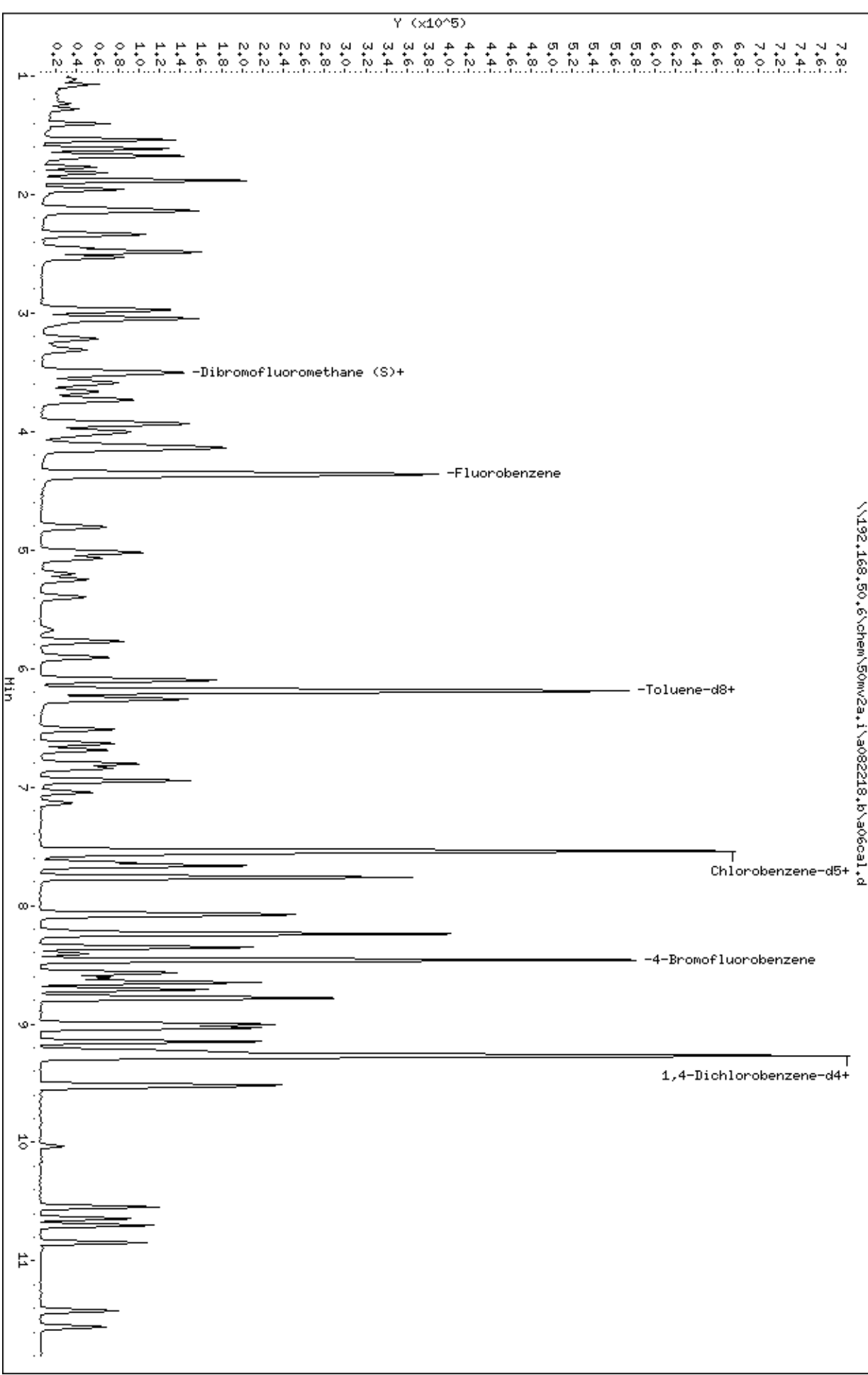
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Review Codes Legend

- LT: Indicates that the peak in question was inappropriately integrated to an area less than what it should be (e.g., Peak area was cut).
- GT: Indicates that the peak in question was inappropriately integrated to an area greater than it should be (e.g., Peak tailing).
- NI: Indicates that the peak was not integrated at all by the computer software.
- WP: Indicates that the wrong peak was chosen by the data system.

Data File: \\192.168.50.6\chem\50mw2a.1\A082218.b\A06cal.d
Date: 22-AUG-2018 16:29
Client ID: 8260-CAL5
Sample Info: 8260-CAL5,18442310
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw2a.1
Operator: amw
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a06cal.d

Injection Date: 22-AUG-2018 16:29

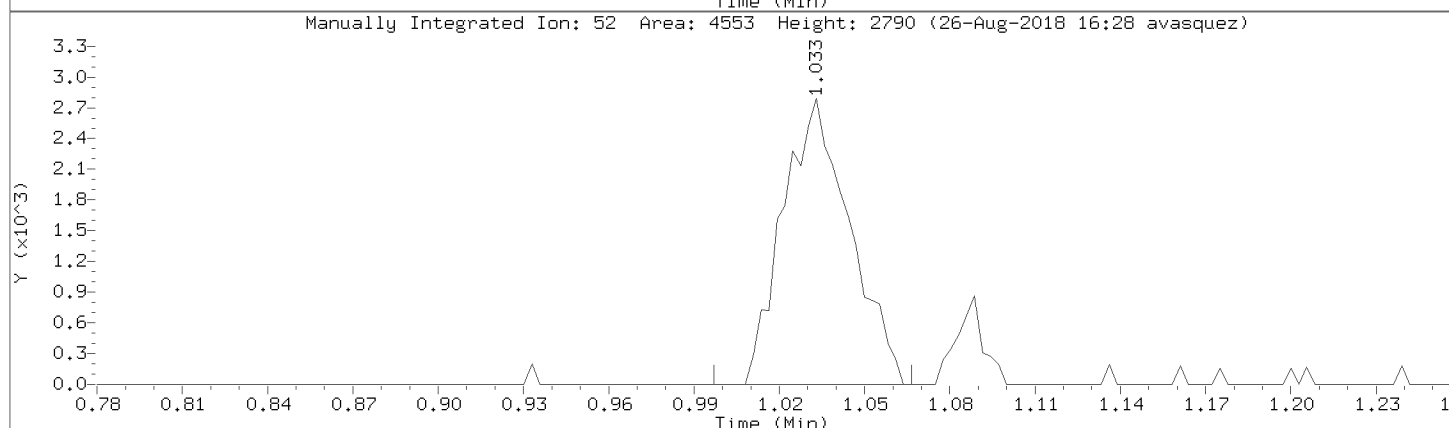
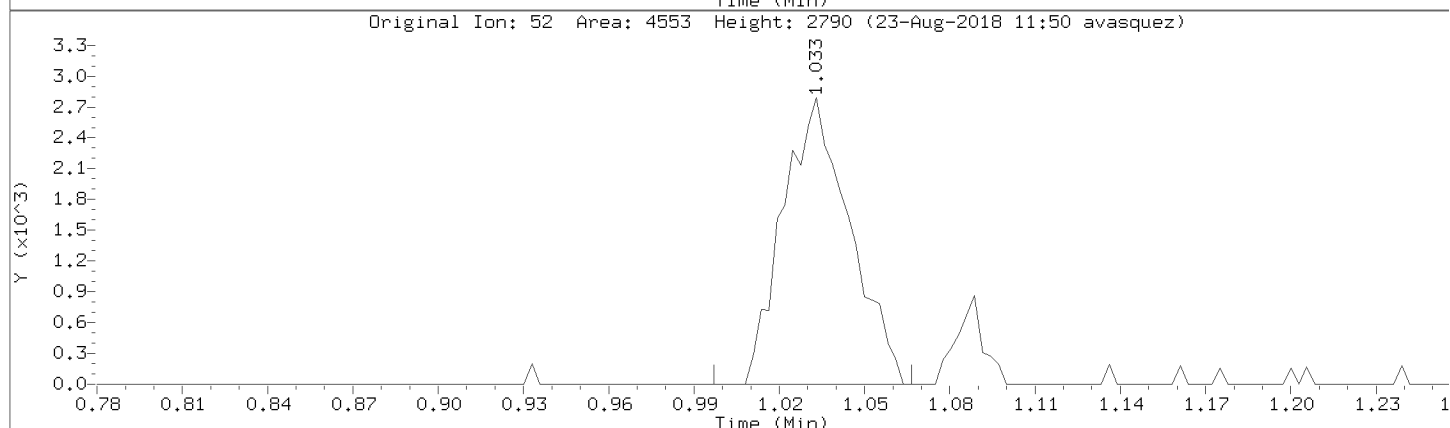
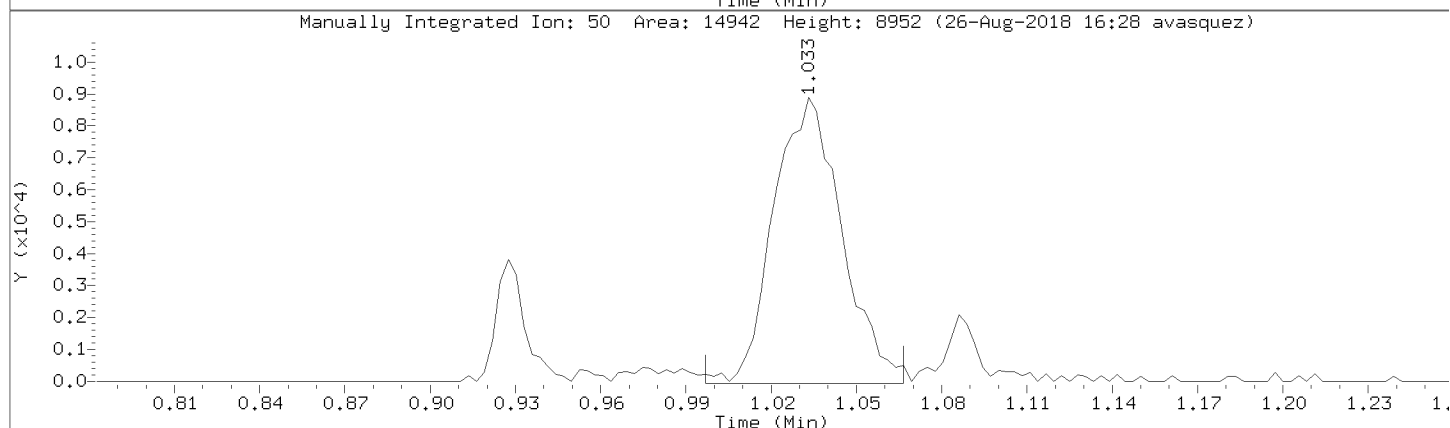
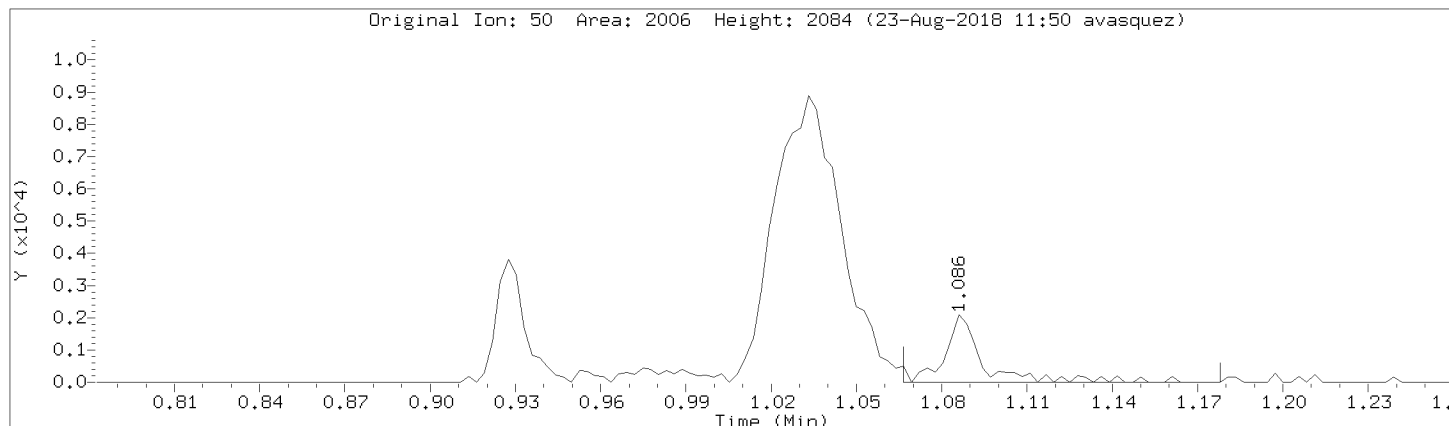
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

Compound: Chloromethane

Review Code: LT

CAS Number: 74-87-3



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Injection Date: 22-AUG-2018 16:29

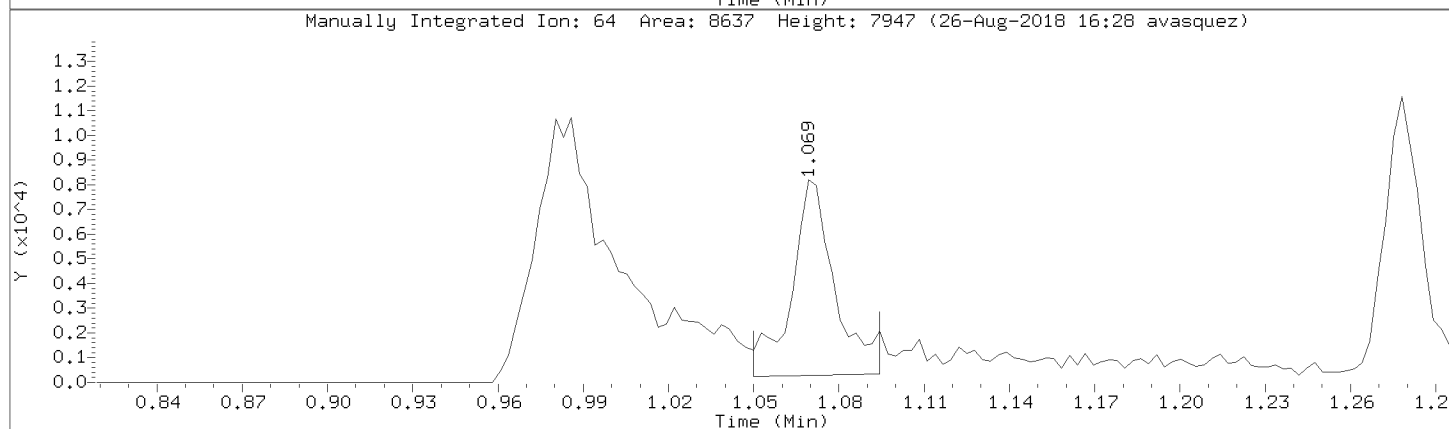
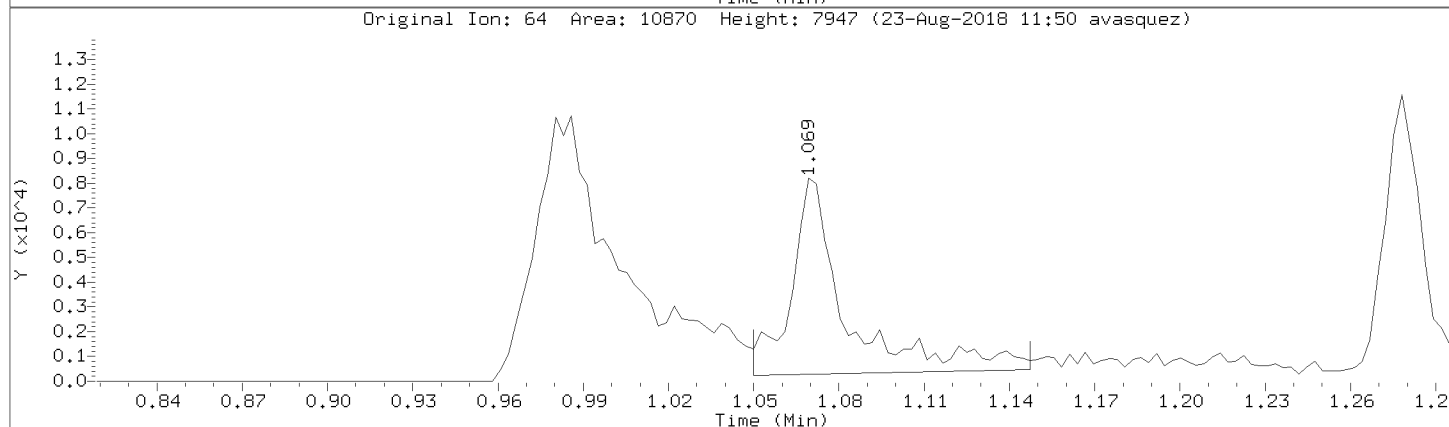
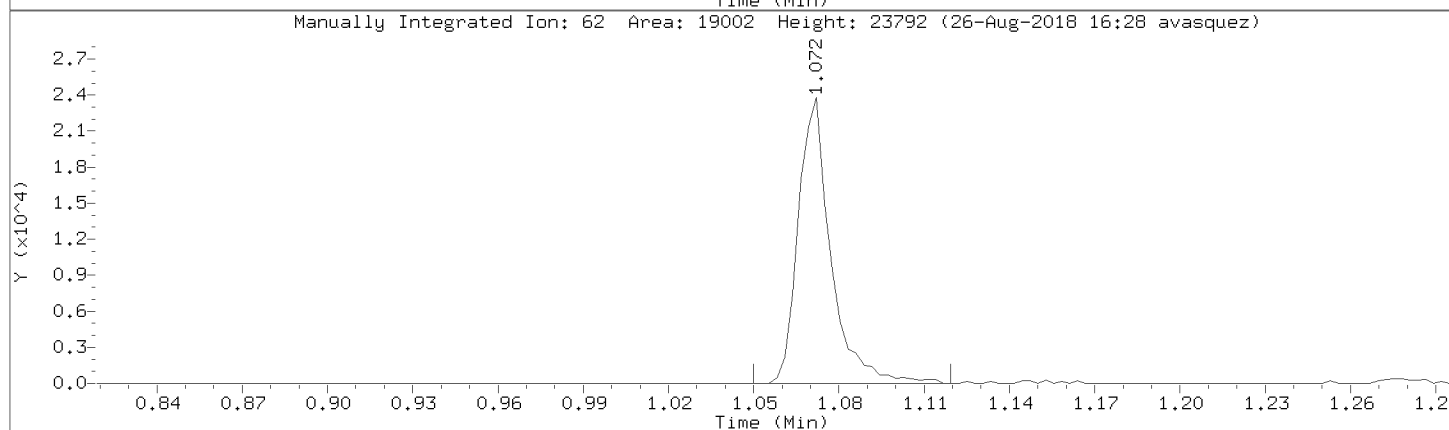
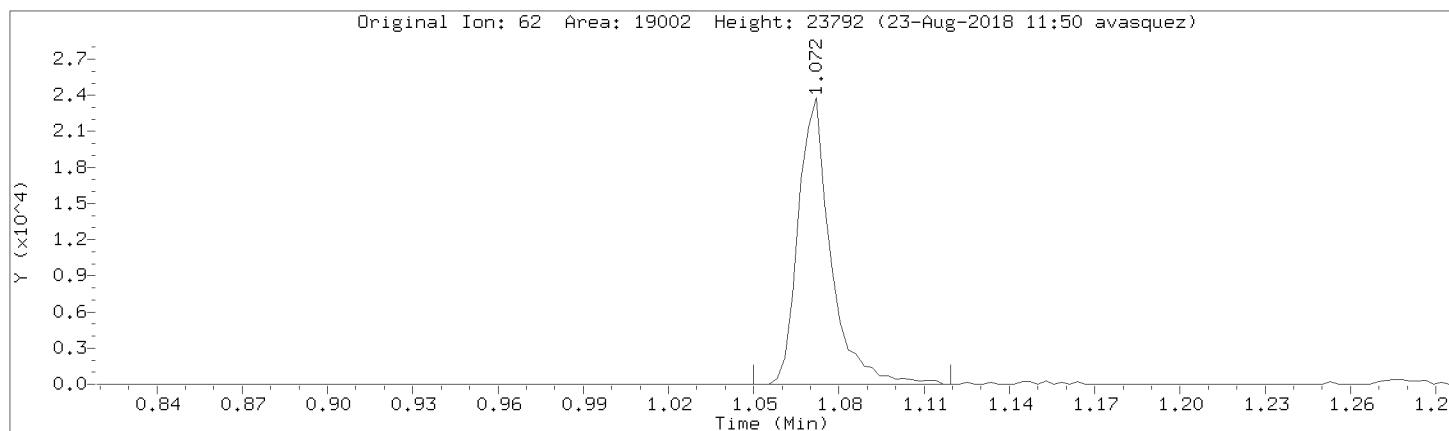
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Lab Sample ID: 8260-CAL5

Compound: Vinyl Chloride

Review Code: GT

CAS Number: 75-01-4



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Injection Date: 22-AUG-2018 16:29

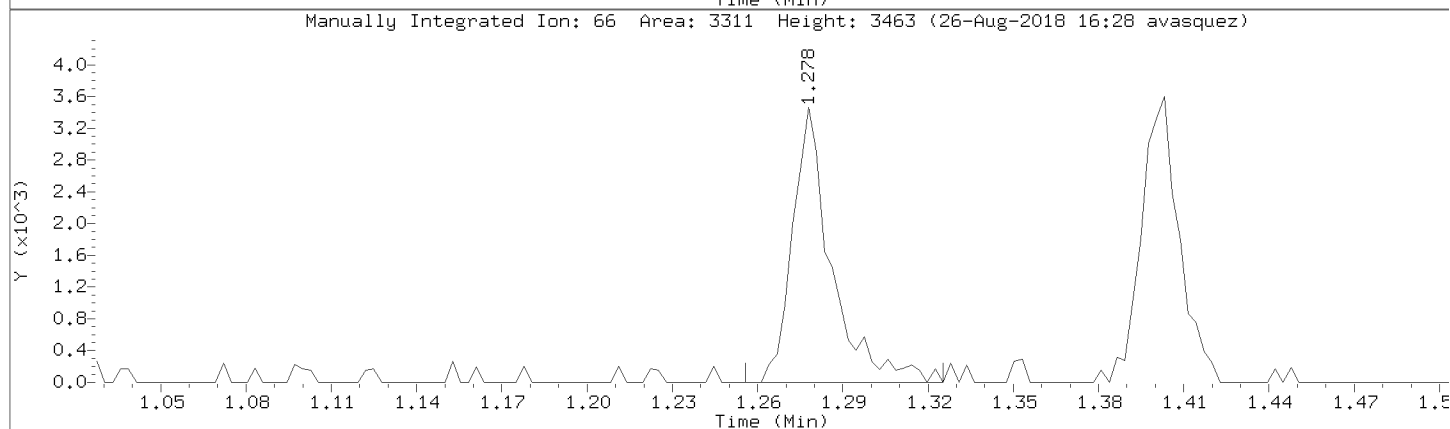
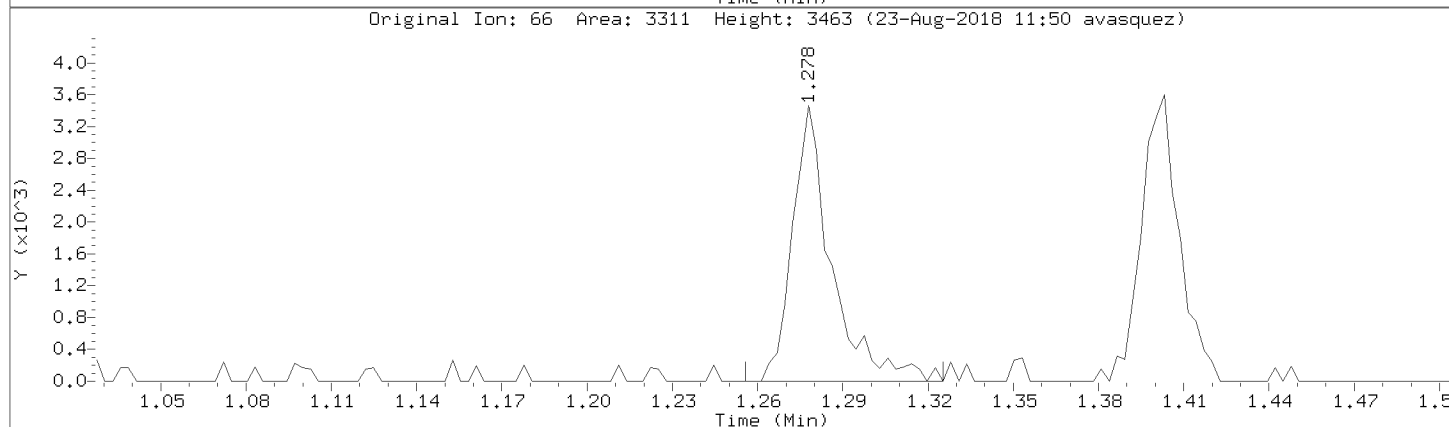
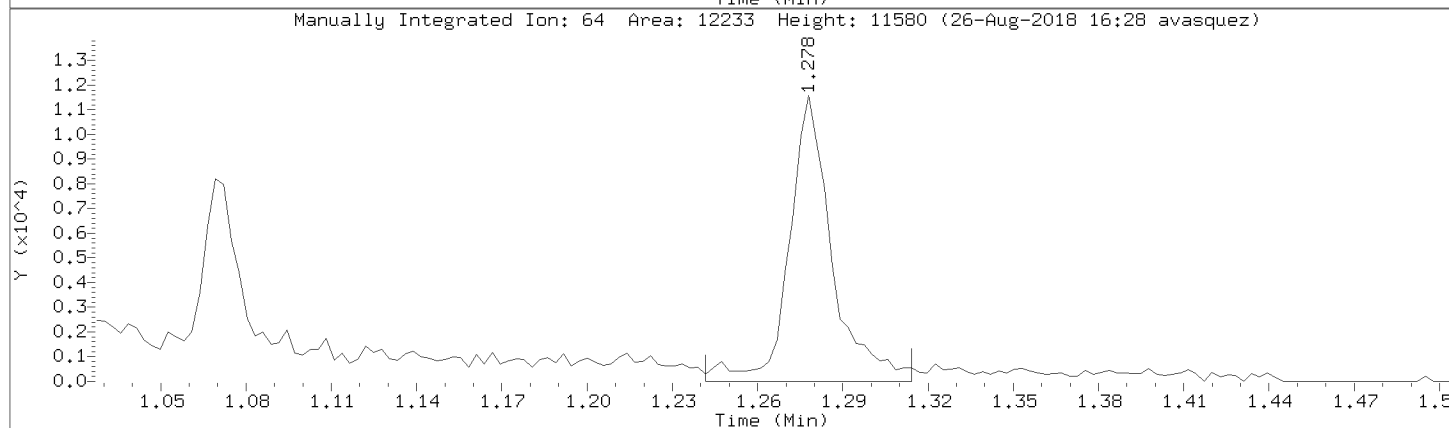
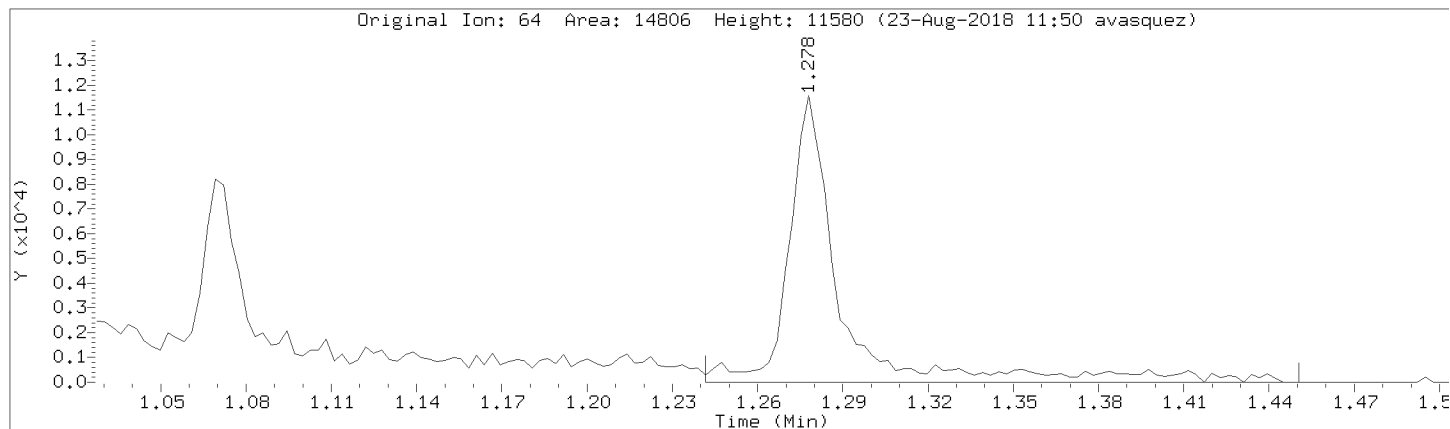
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

Compound: Chloroethane

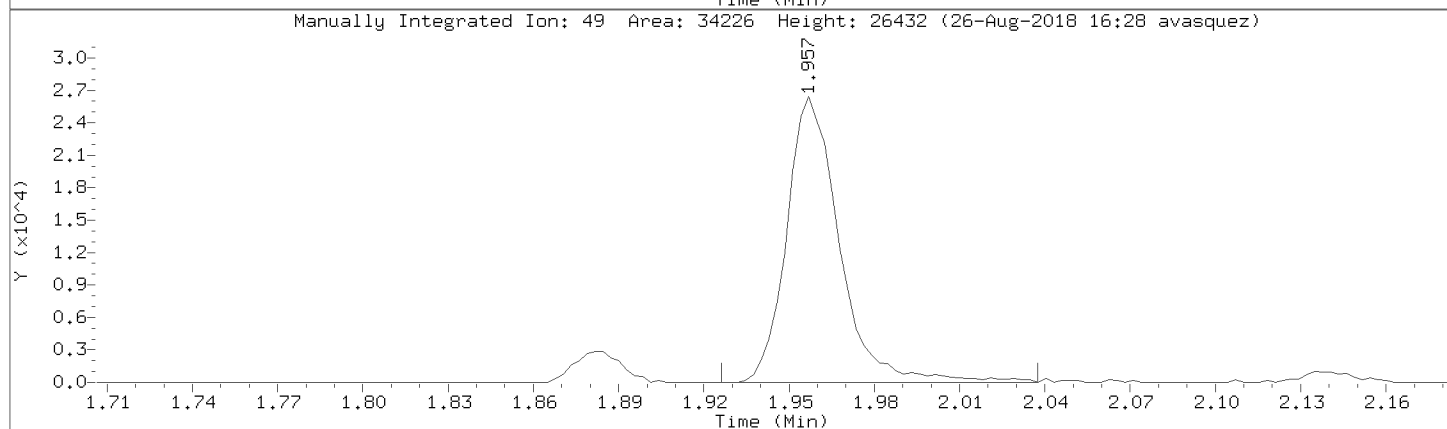
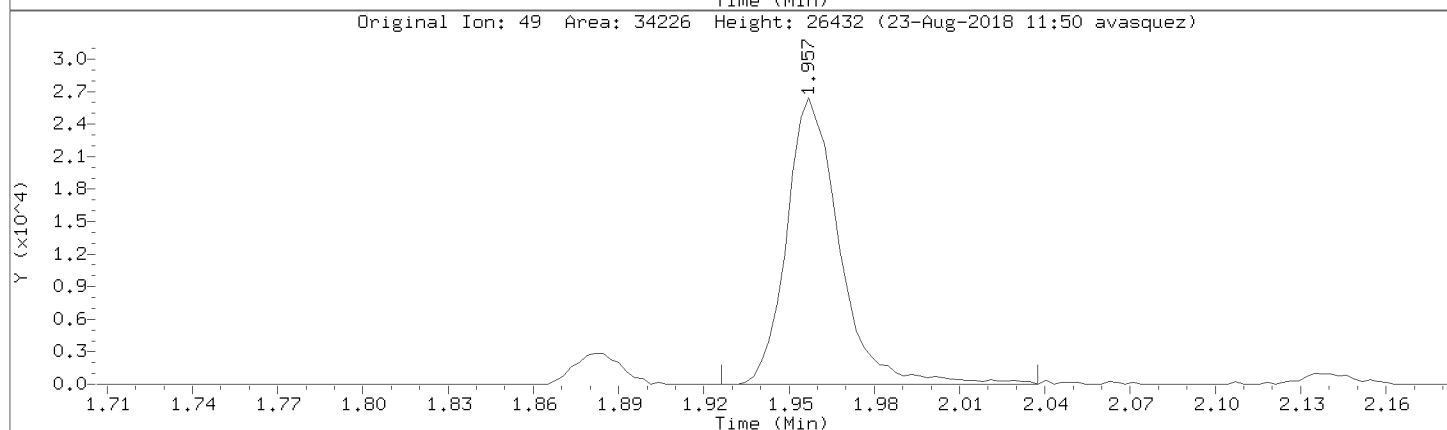
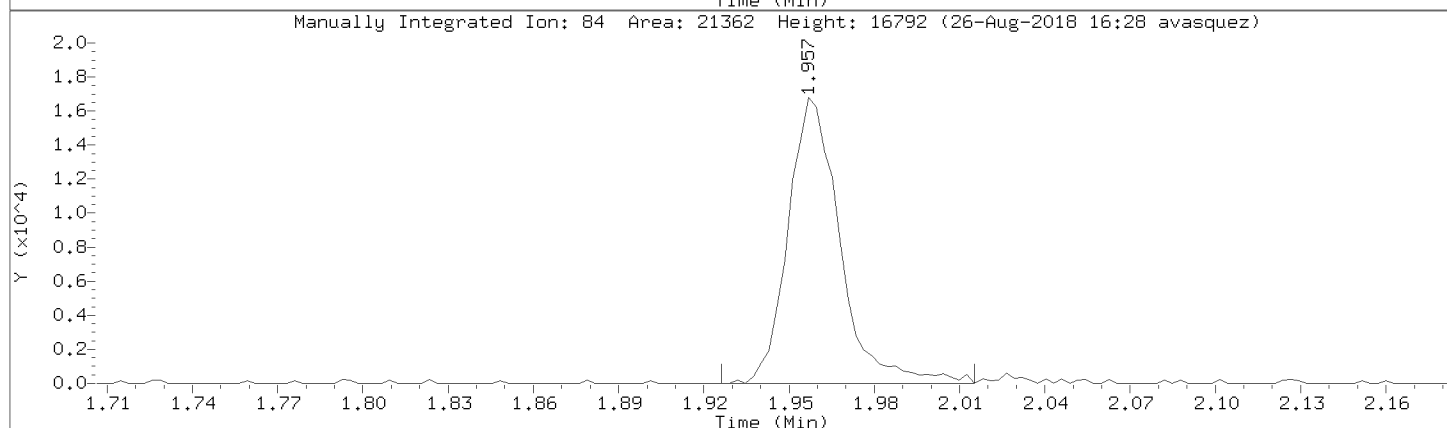
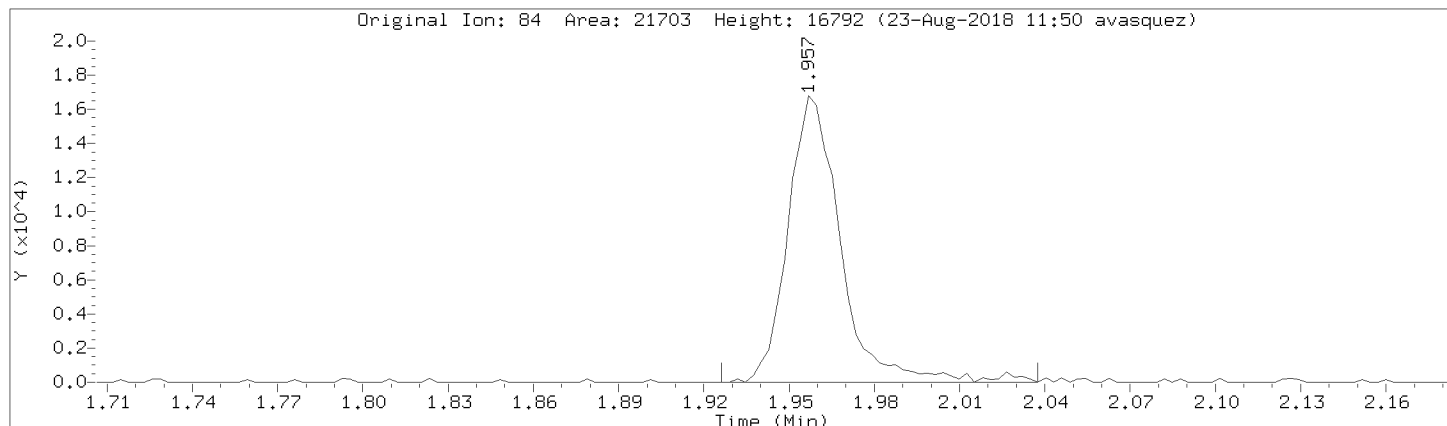
Review Code: GT

CAS Number: 75-00-3



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Injection Date: 22-AUG-2018 16:29
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5

Compound: Methylene Chloride Review Code: GT
CAS Number: 75-09-2

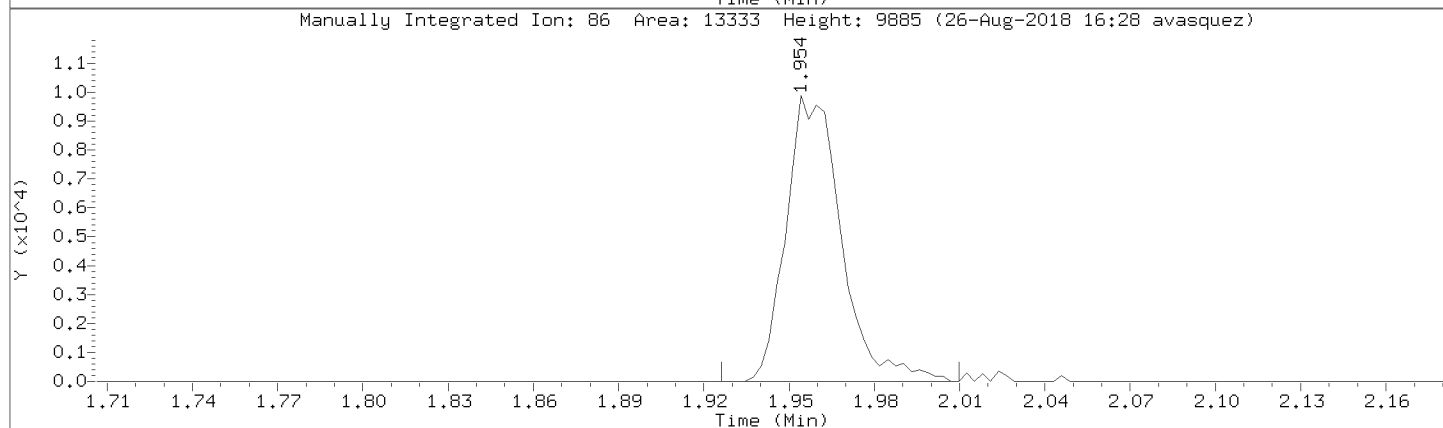
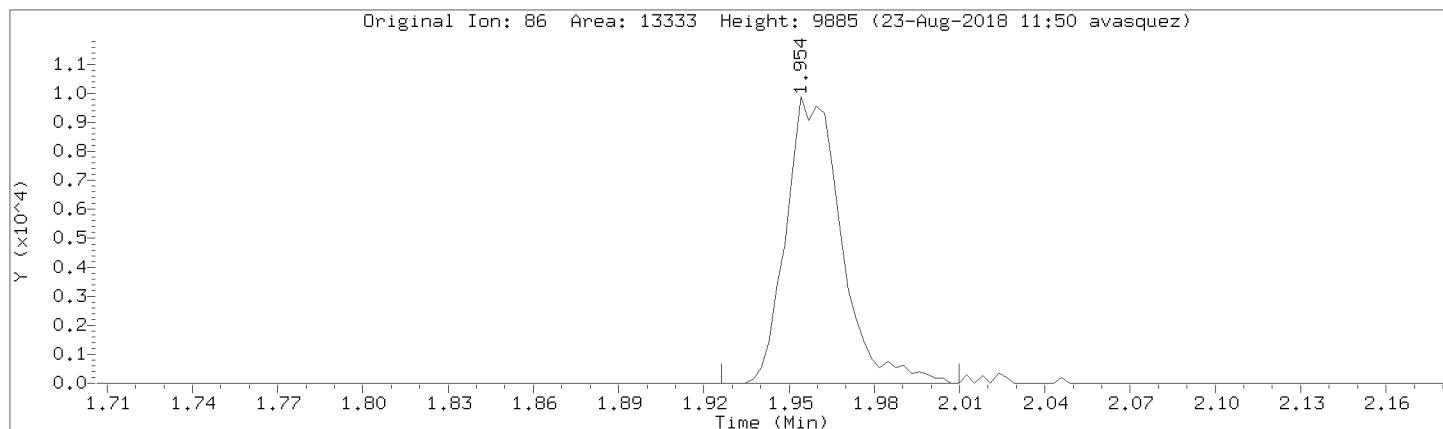


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Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5



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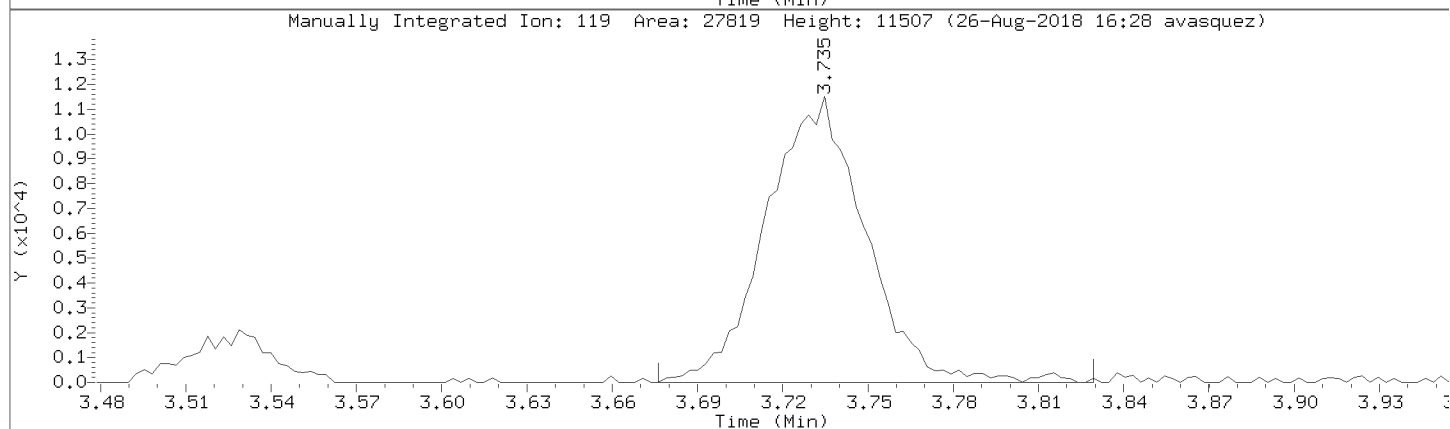
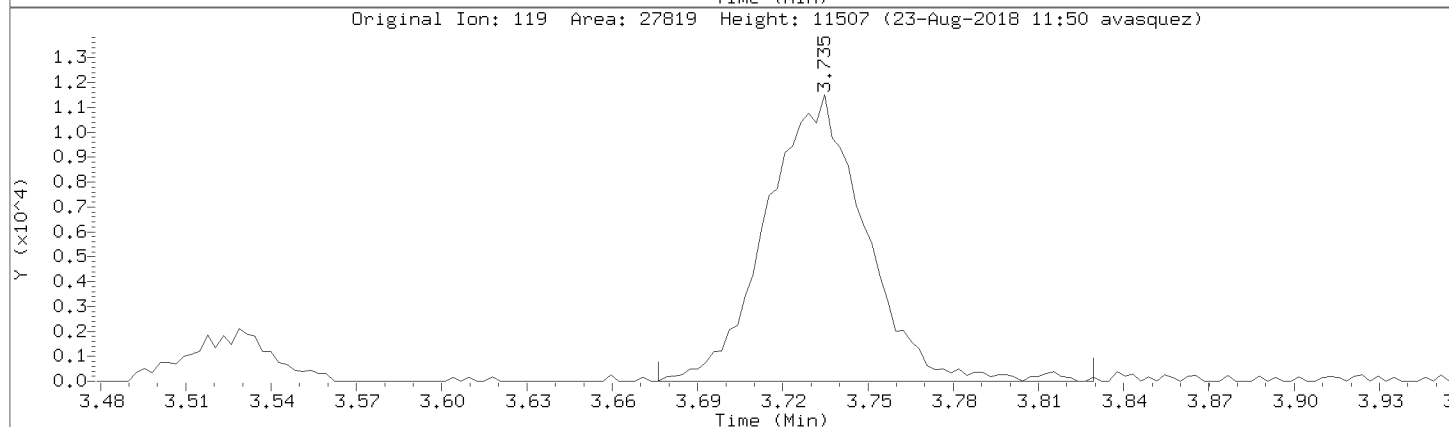
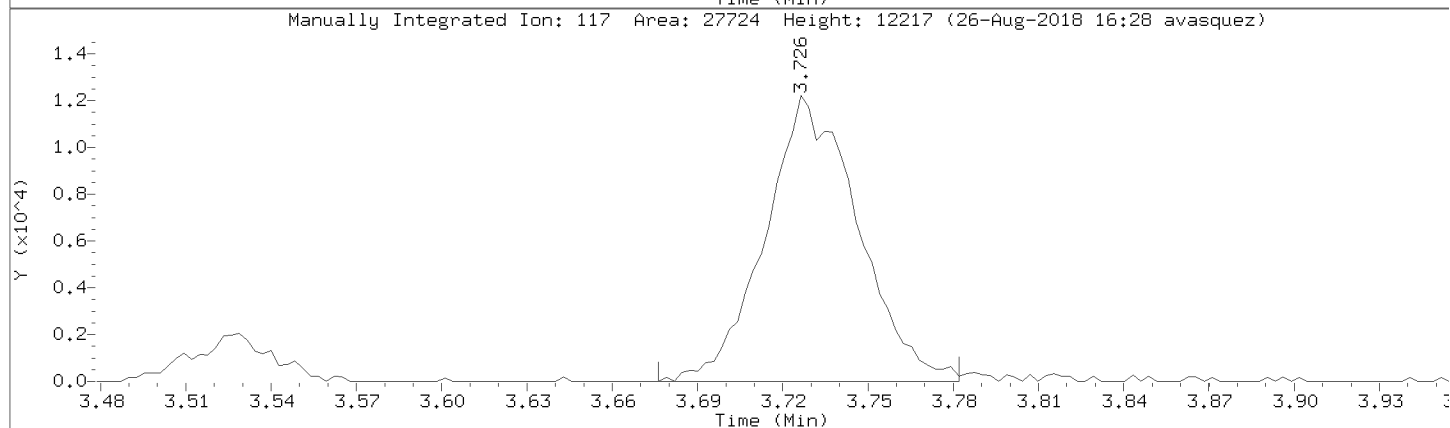
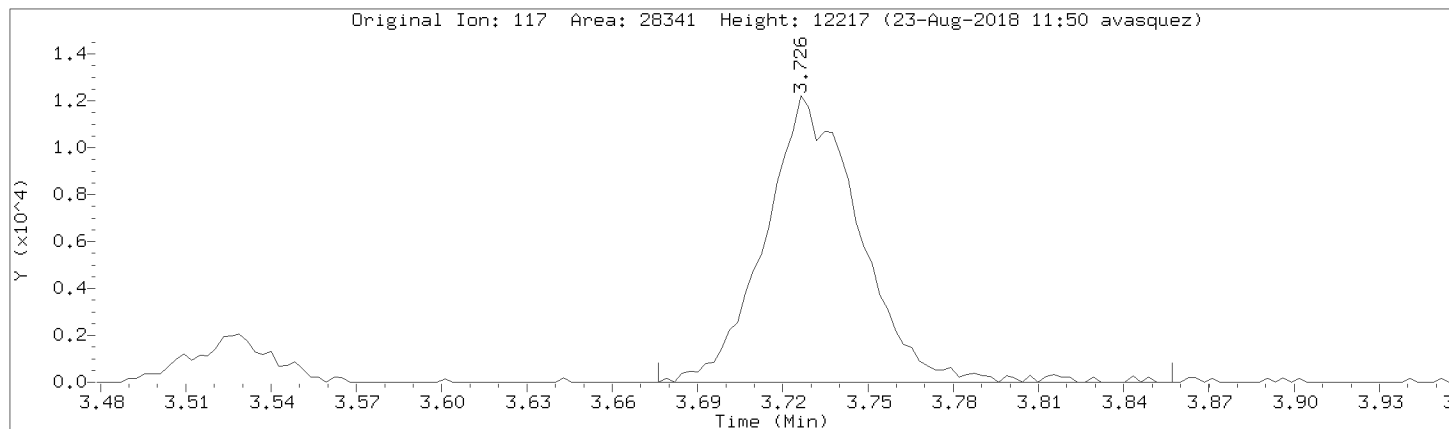
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

Compound: Carbon Tetrachloride

Review Code: GT

CAS Number: 56-23-5

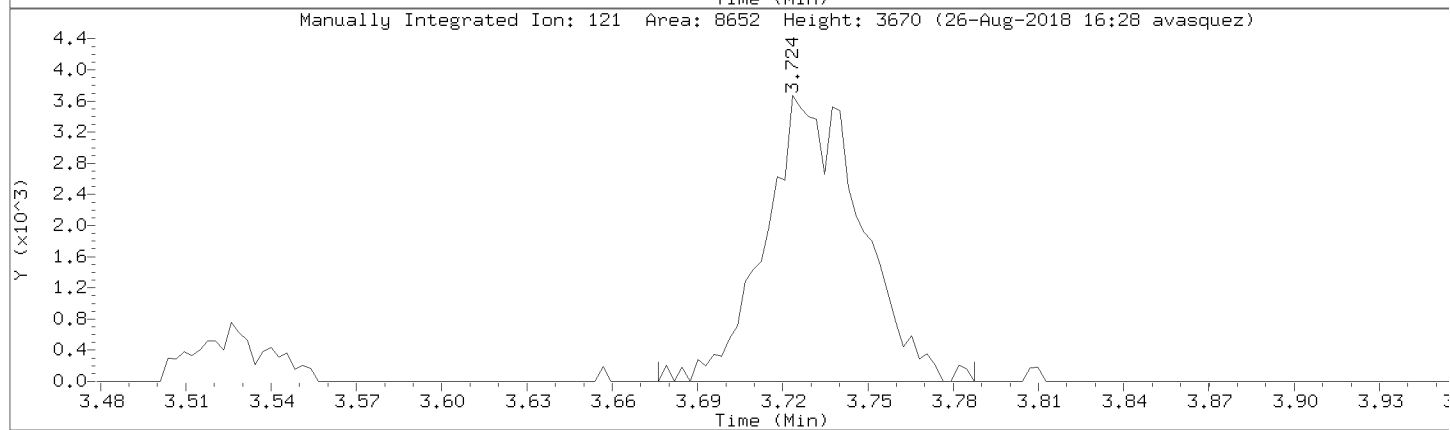
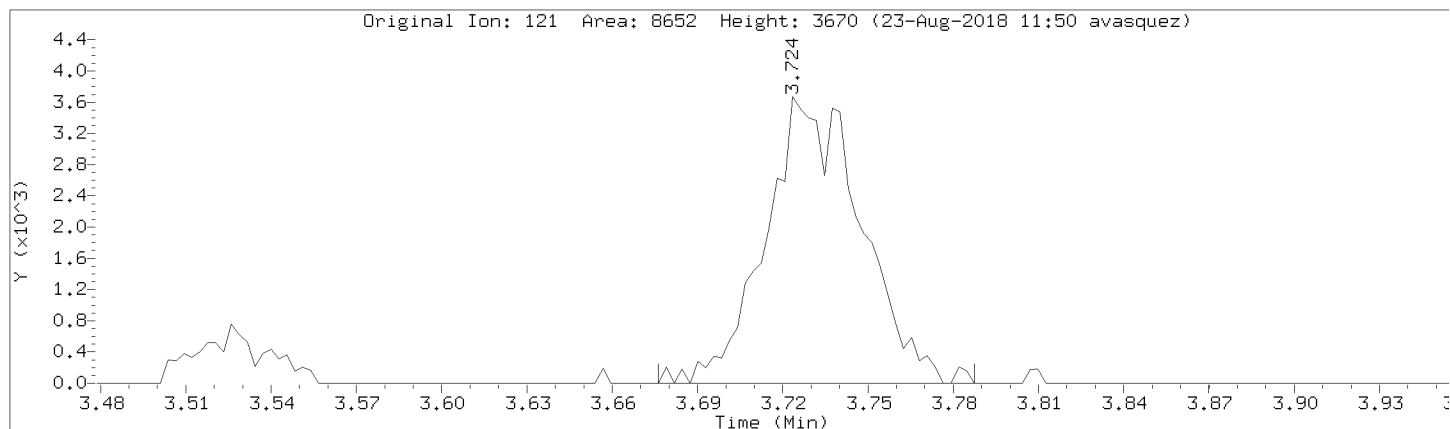


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Injection Date: 22-AUG-2018 16:29

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5



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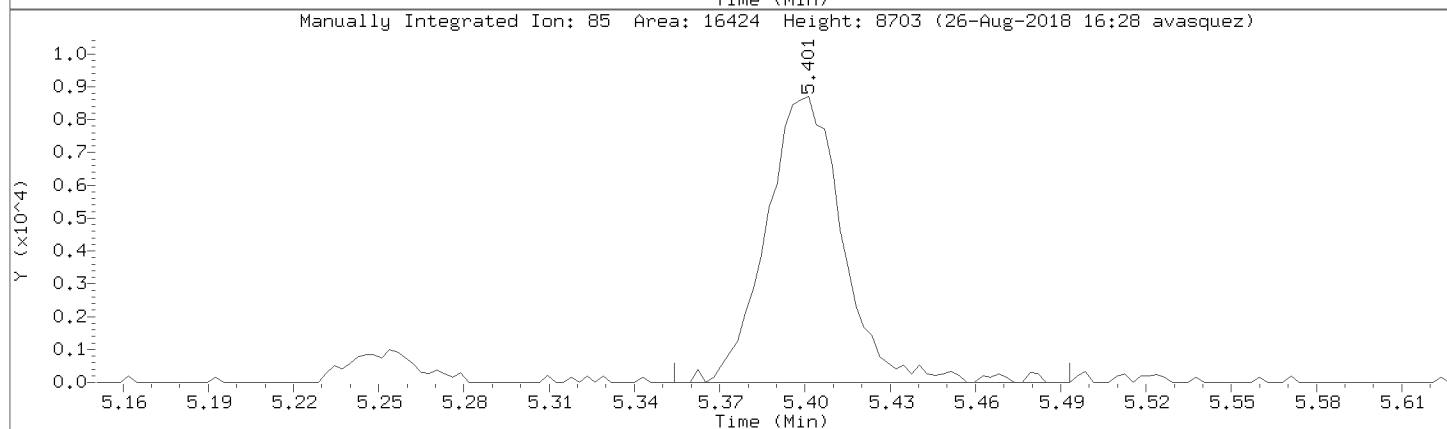
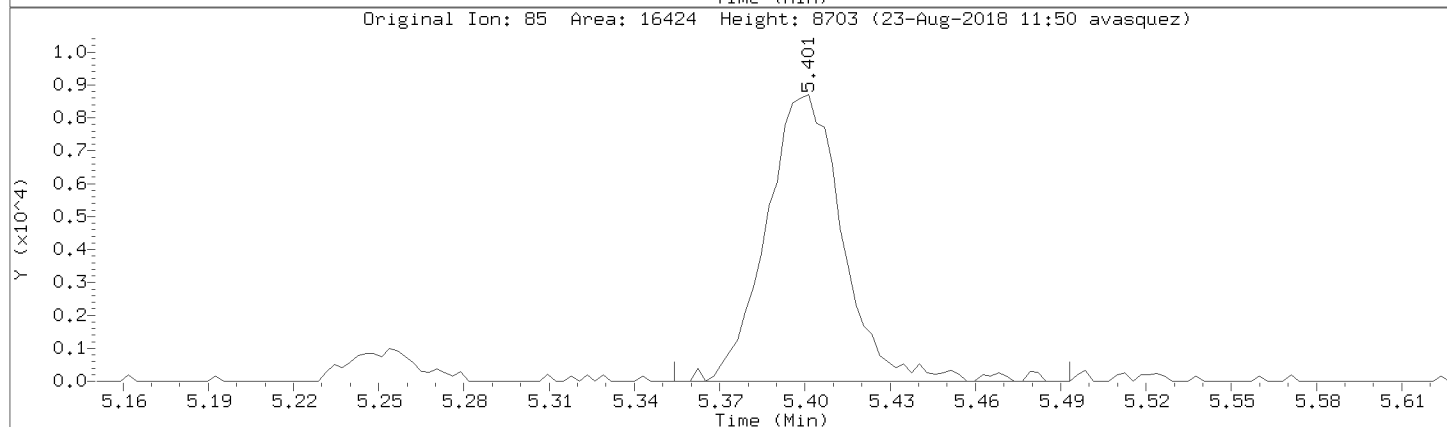
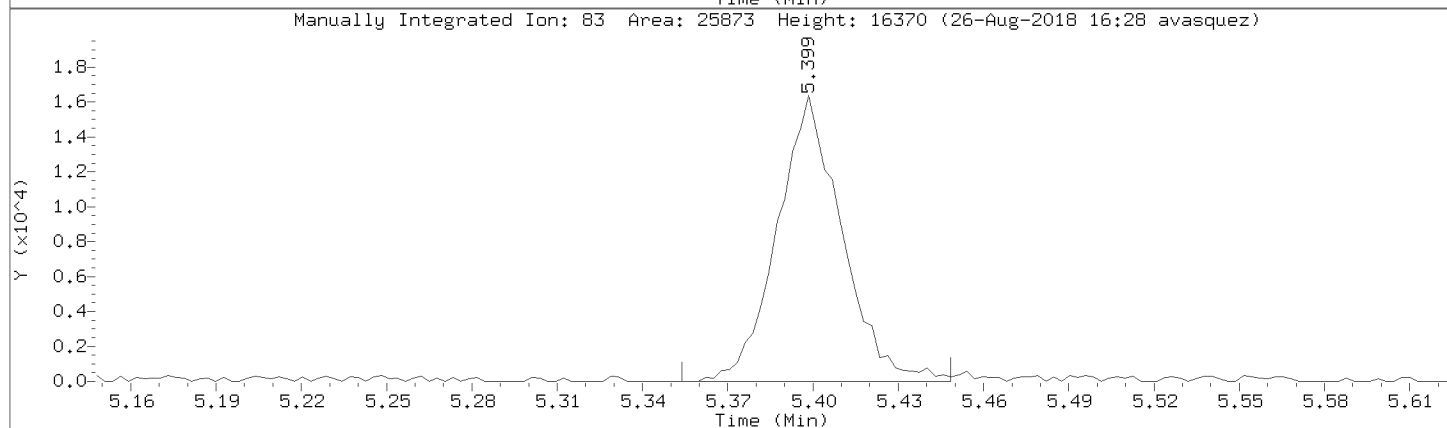
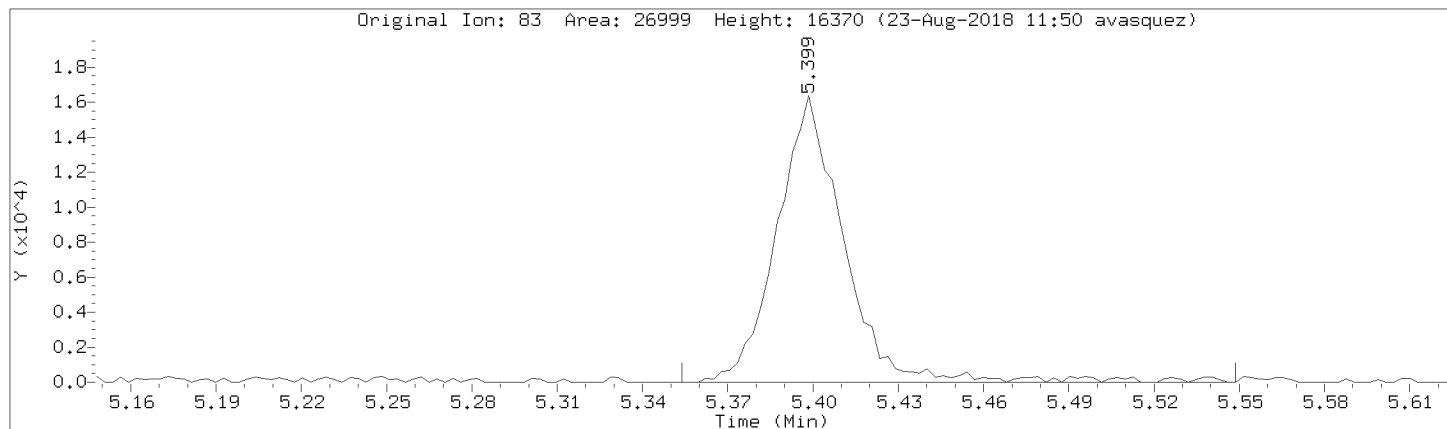
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Lab Sample ID: 8260-CAL5

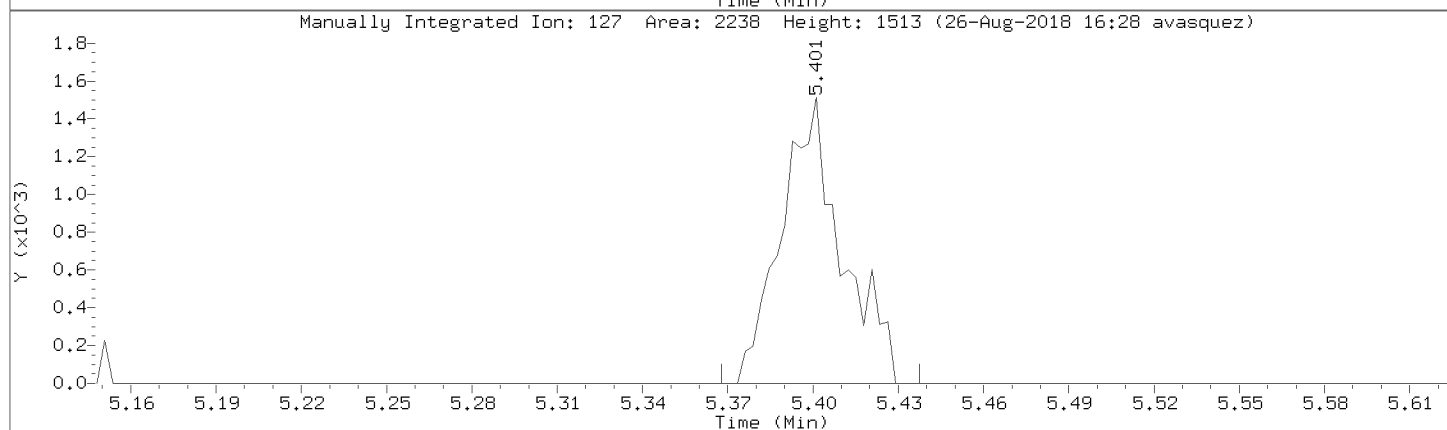
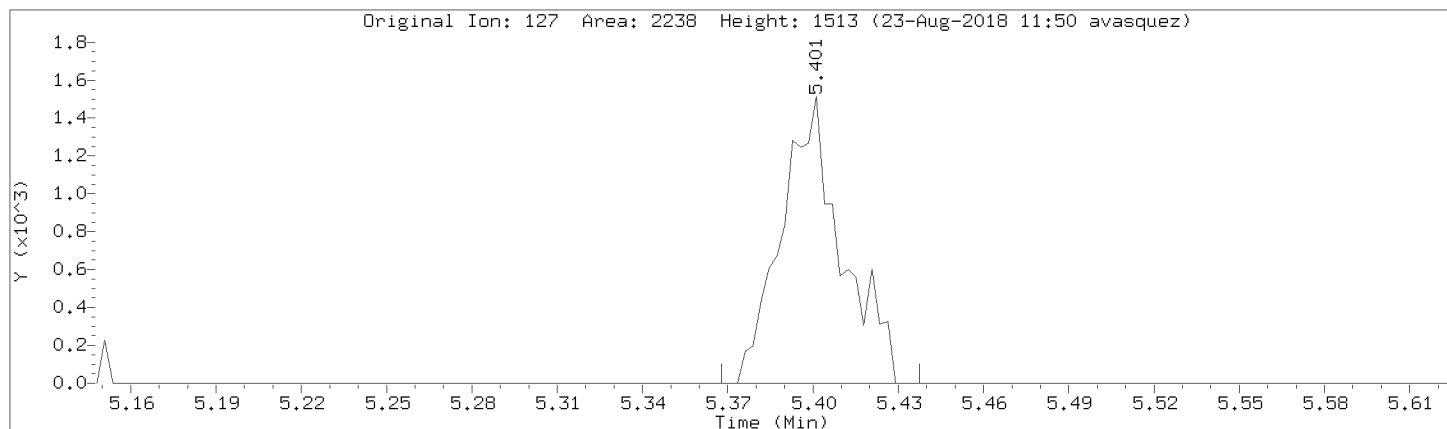
Compound: Bromodichloromethane

Review Code: GT

CAS Number: 75-27-4

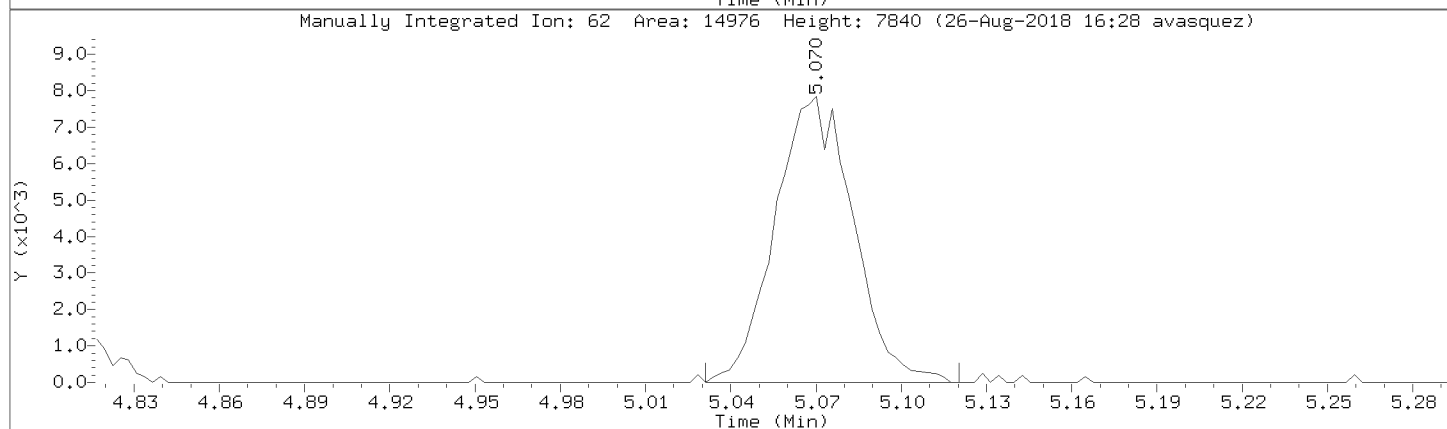
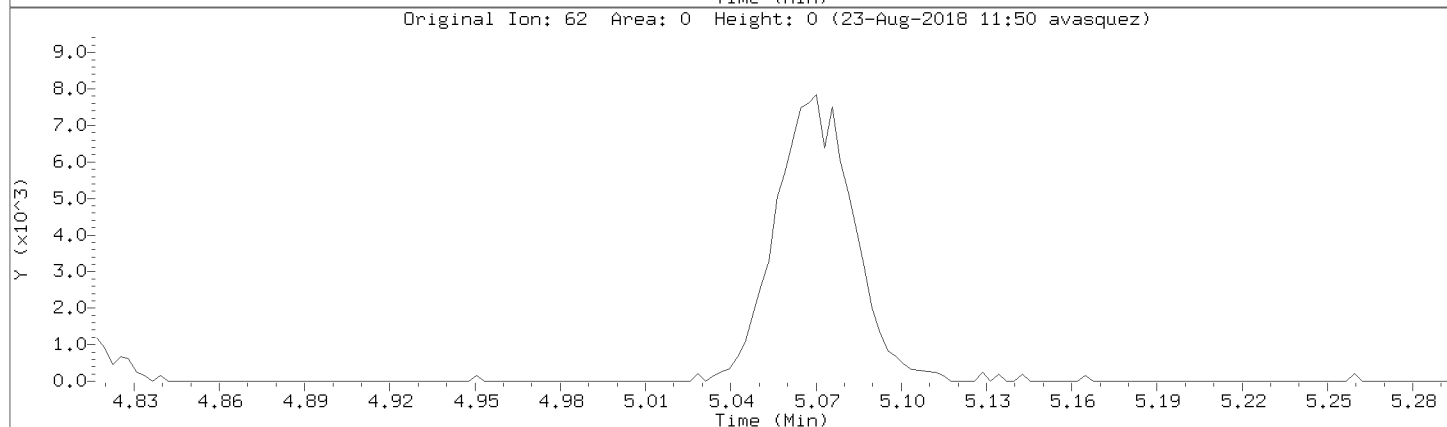
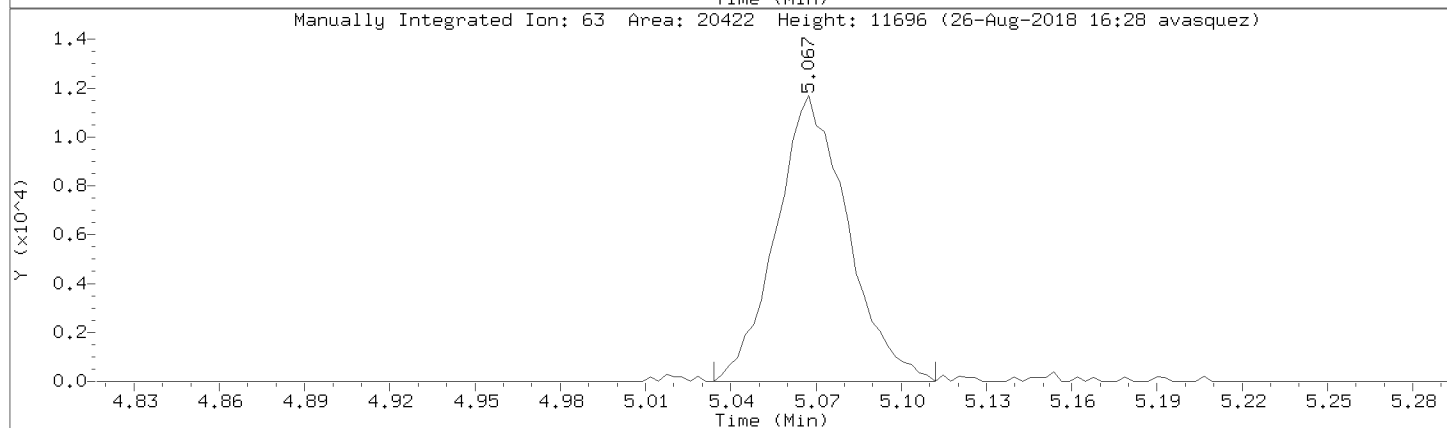
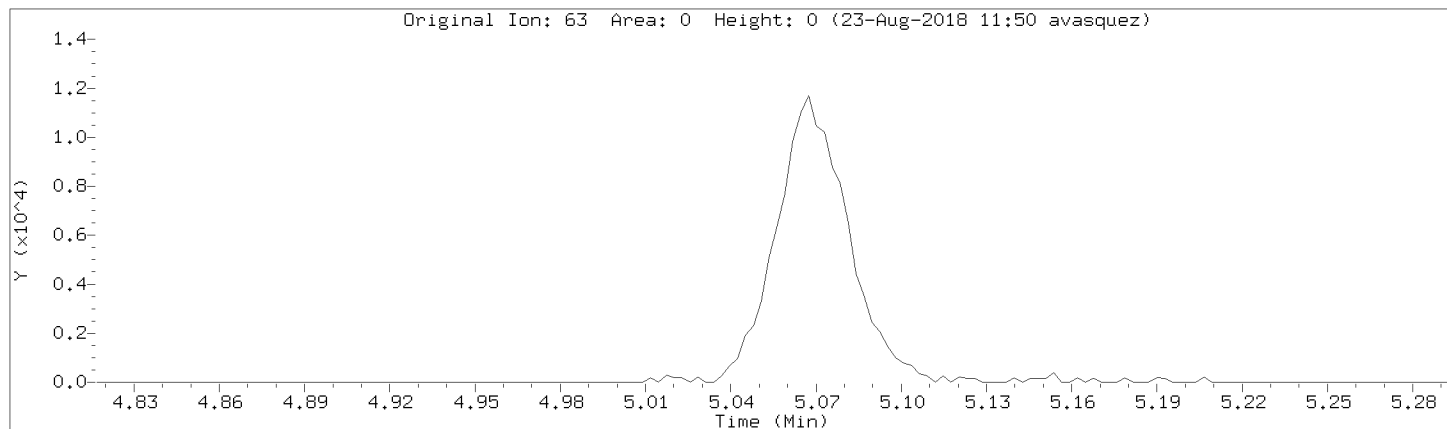


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Injection Date: 22-AUG-2018 16:29
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5

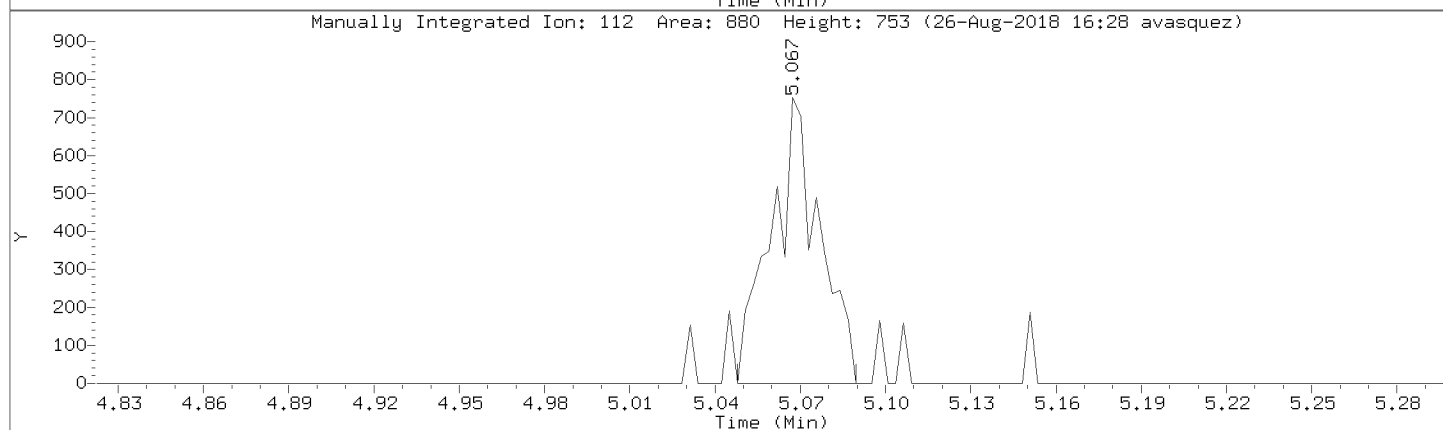
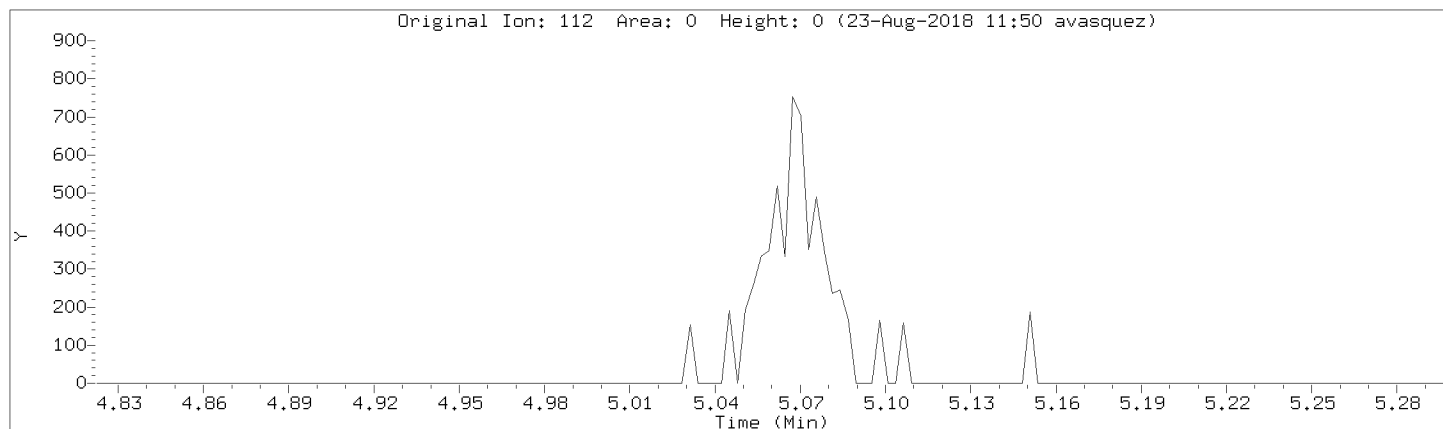


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Injection Date: 22-AUG-2018 16:29
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5

Compound: 1,2-Dichloropropane Review Code: NI
CAS Number: 78-87-5



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a06cal.d
Injection Date: 22-AUG-2018 16:29
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5



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Injection Date: 22-AUG-2018 16:29

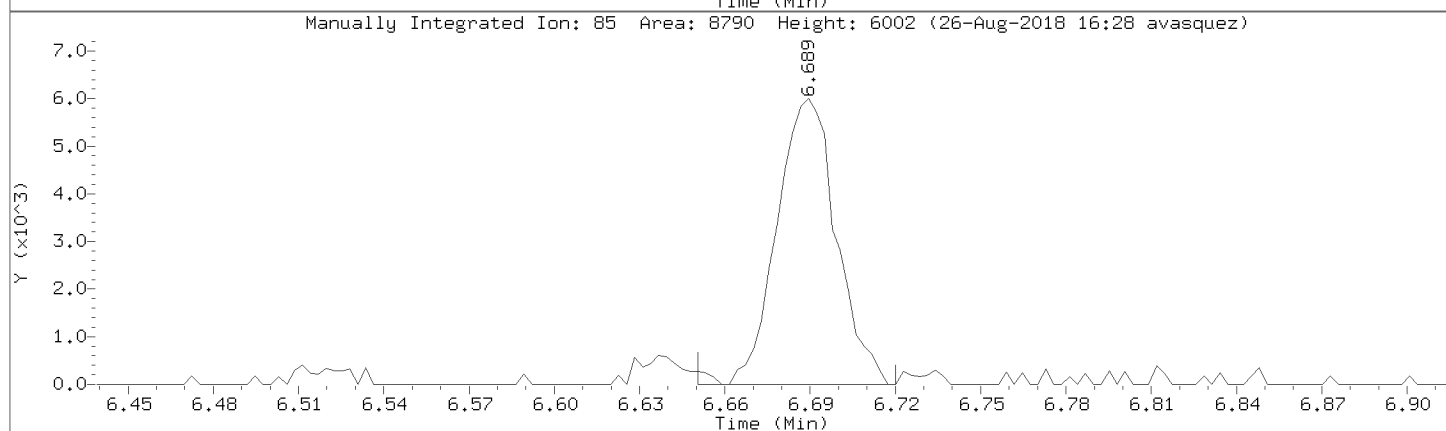
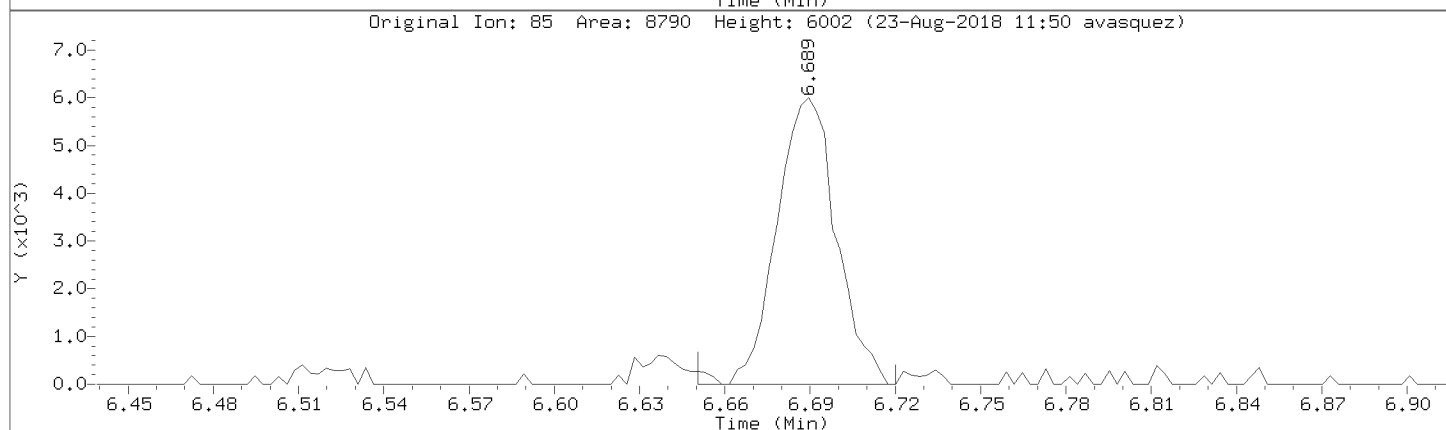
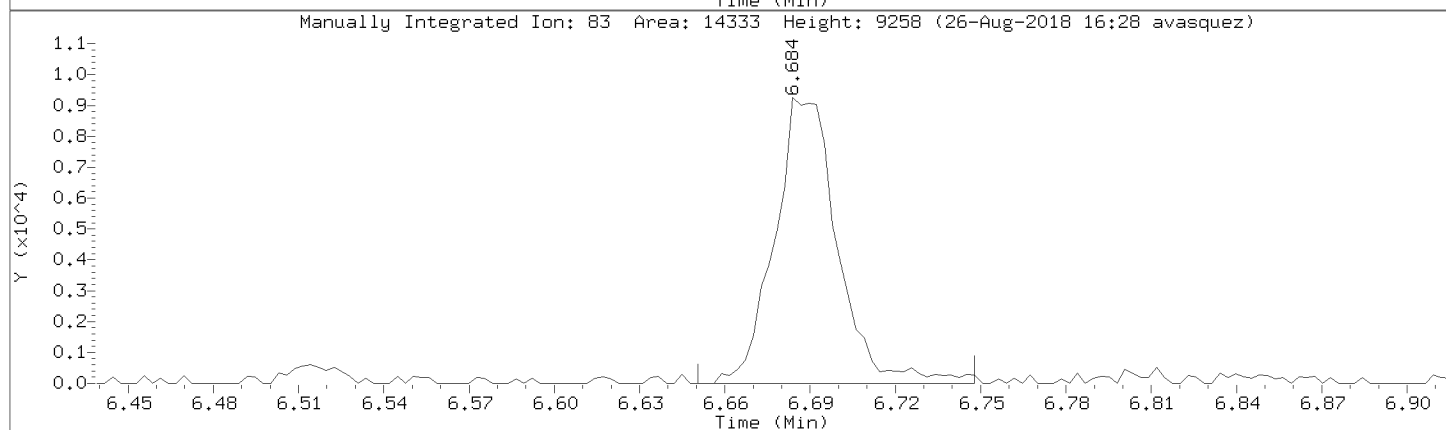
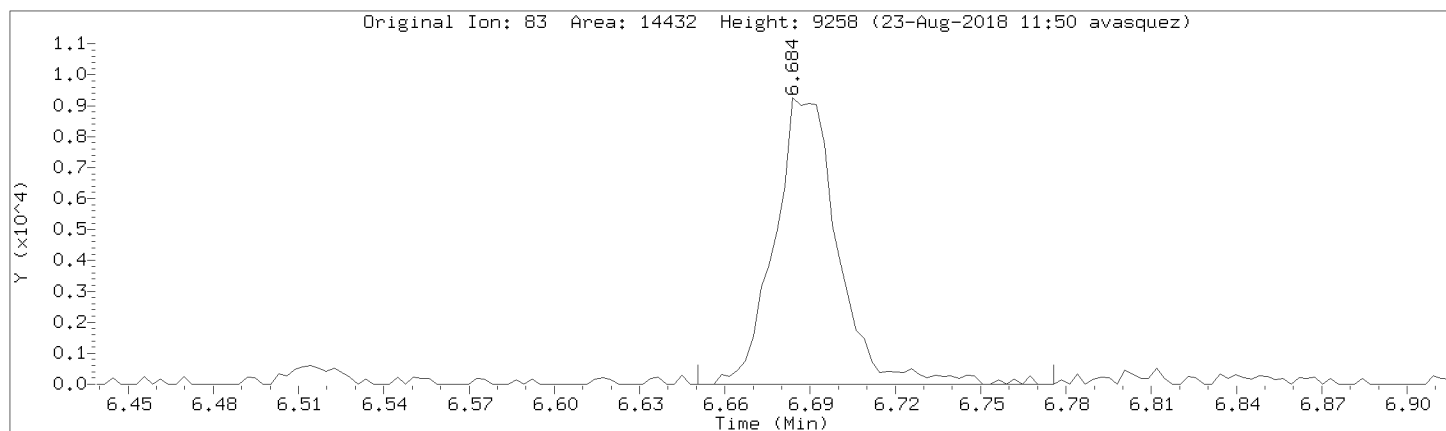
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

Compound: 1,1,2-Trichloroethane

Review Code: GT

CAS Number: 79-00-5

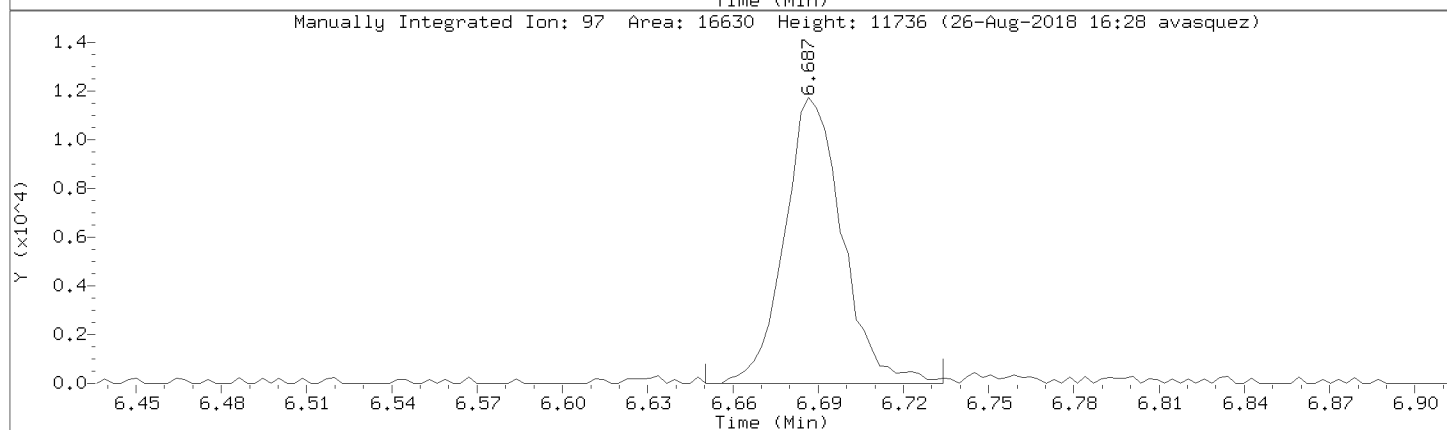
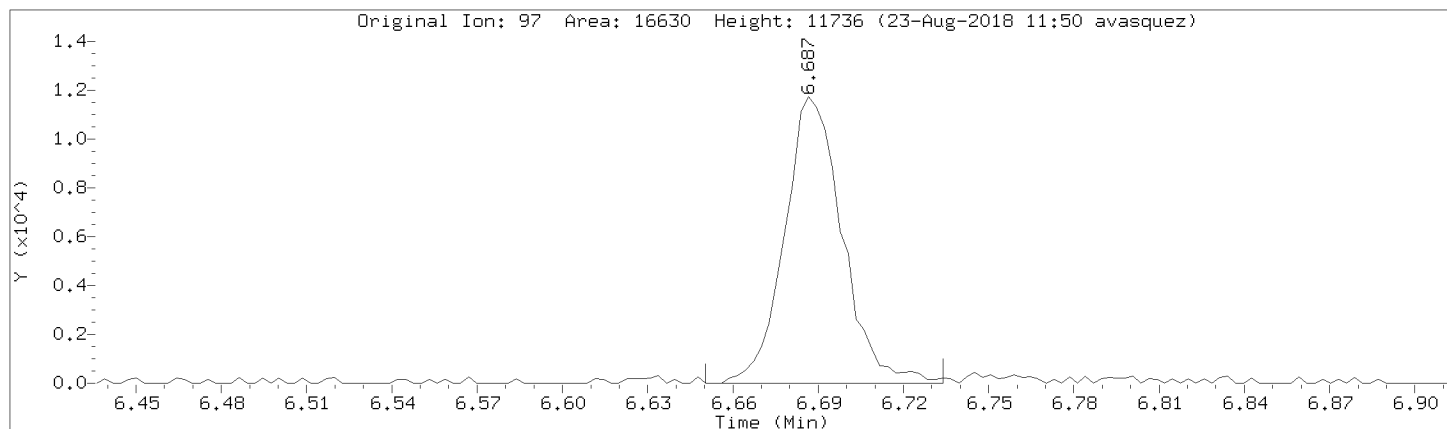


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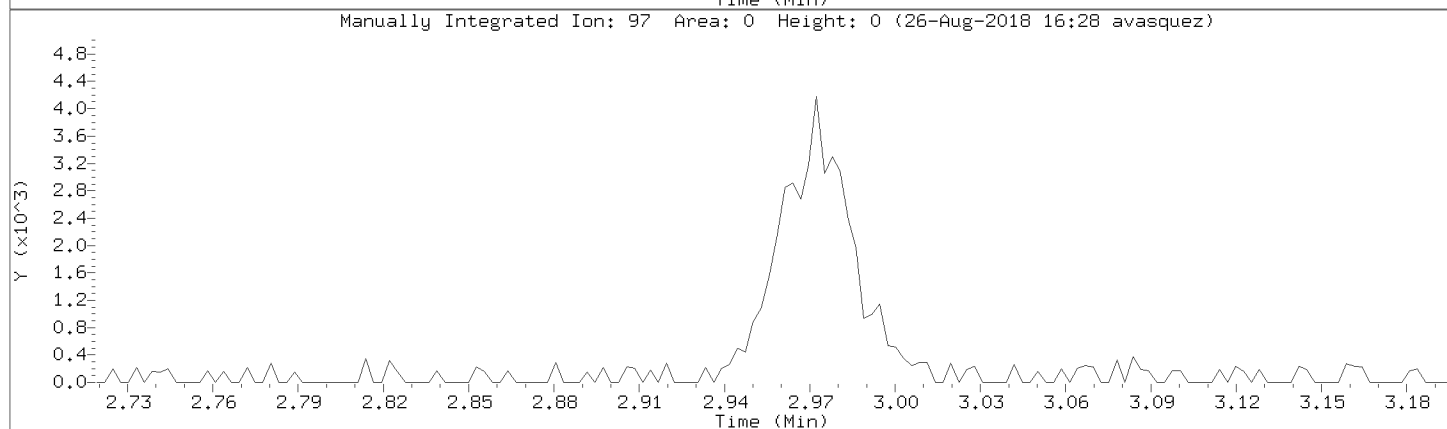
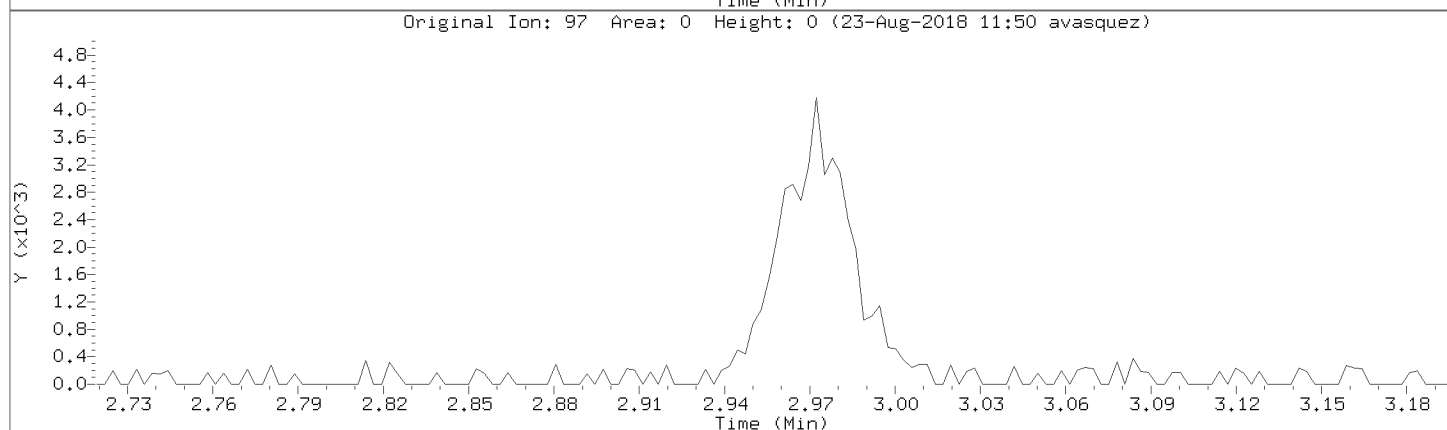
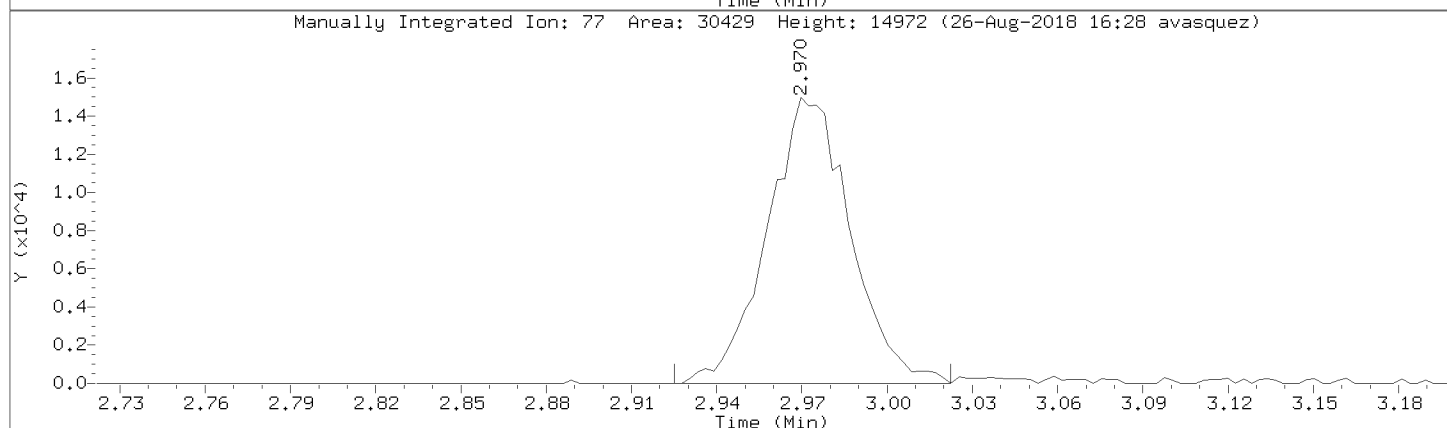
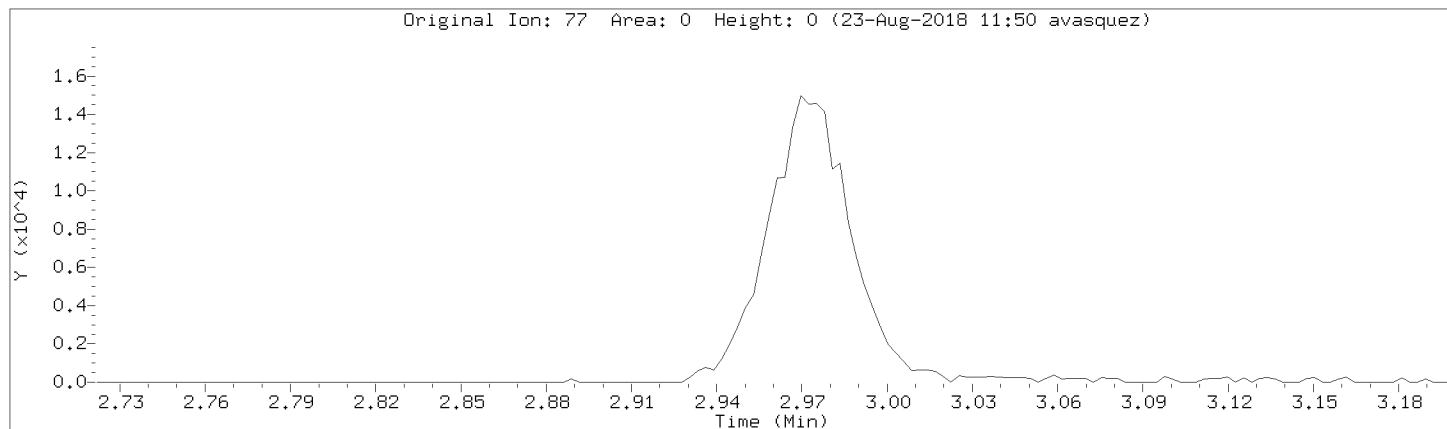
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a06cal.d
Injection Date: 22-AUG-2018 16:29
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5

Compound: 2,2-Dichloropropane Review Code: NI
CAS Number: 594-20-7



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Injection Date: 22-AUG-2018 16:29

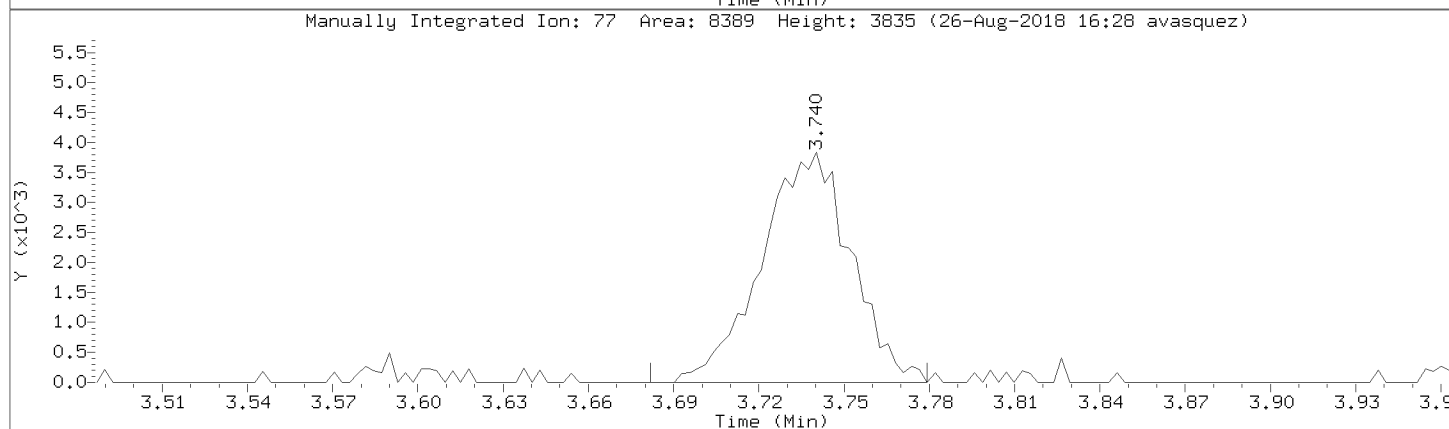
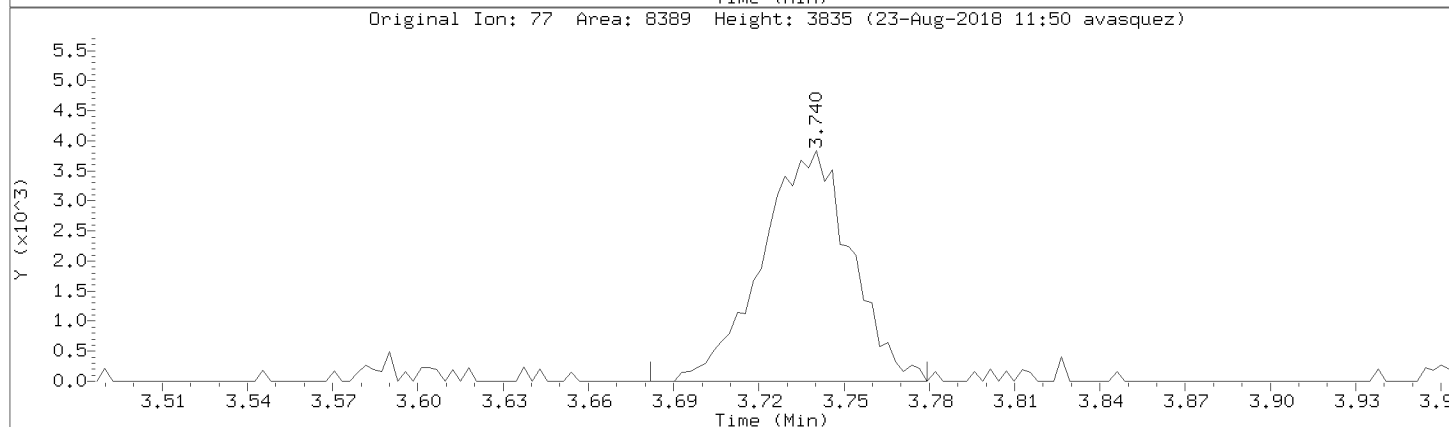
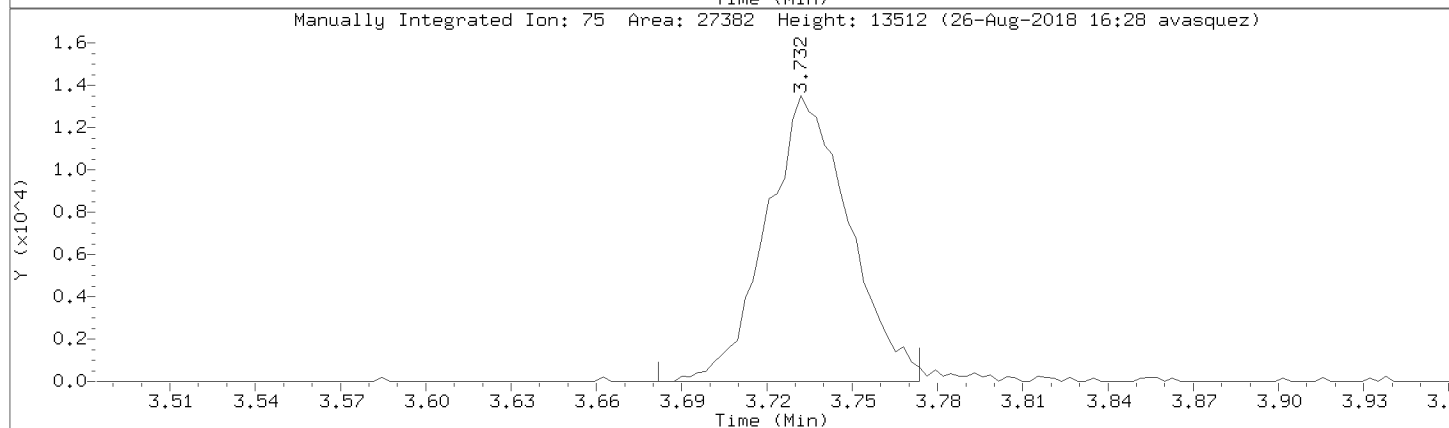
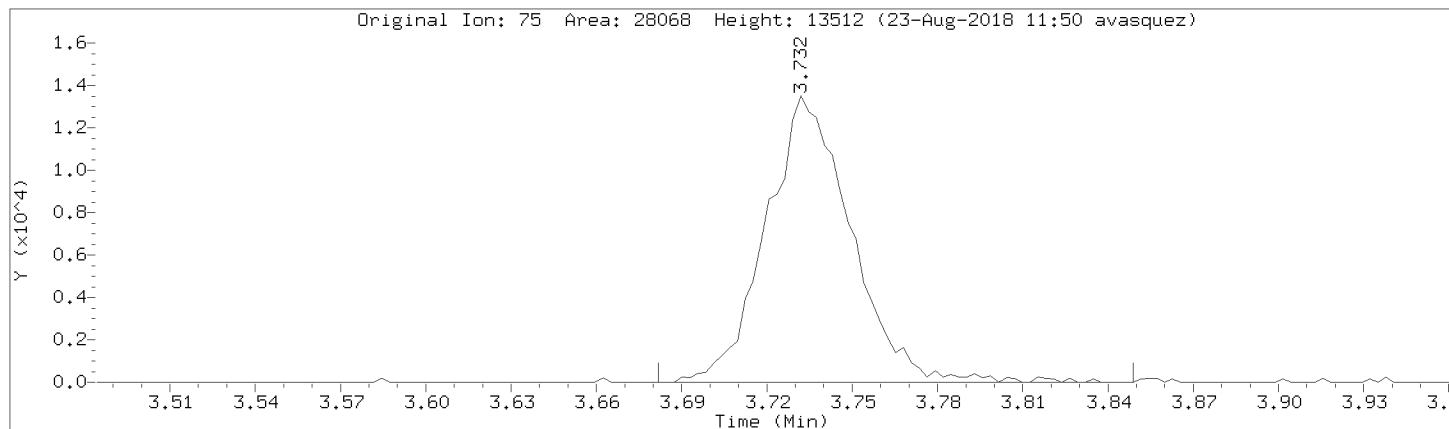
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

Compound: 1,1-Dichloropropene

Review Code: GT

CAS Number: 563-58-6

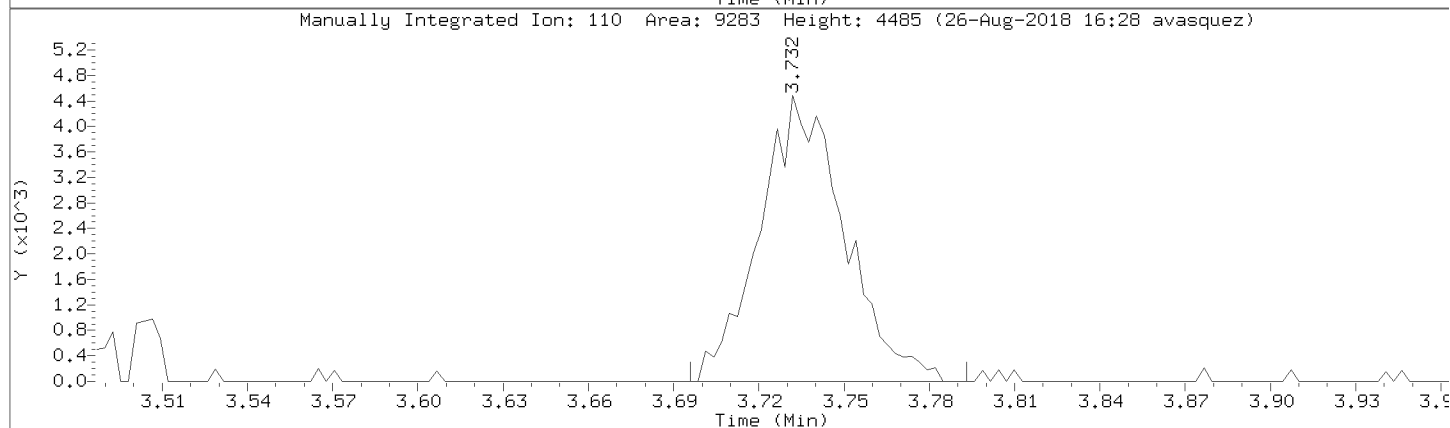
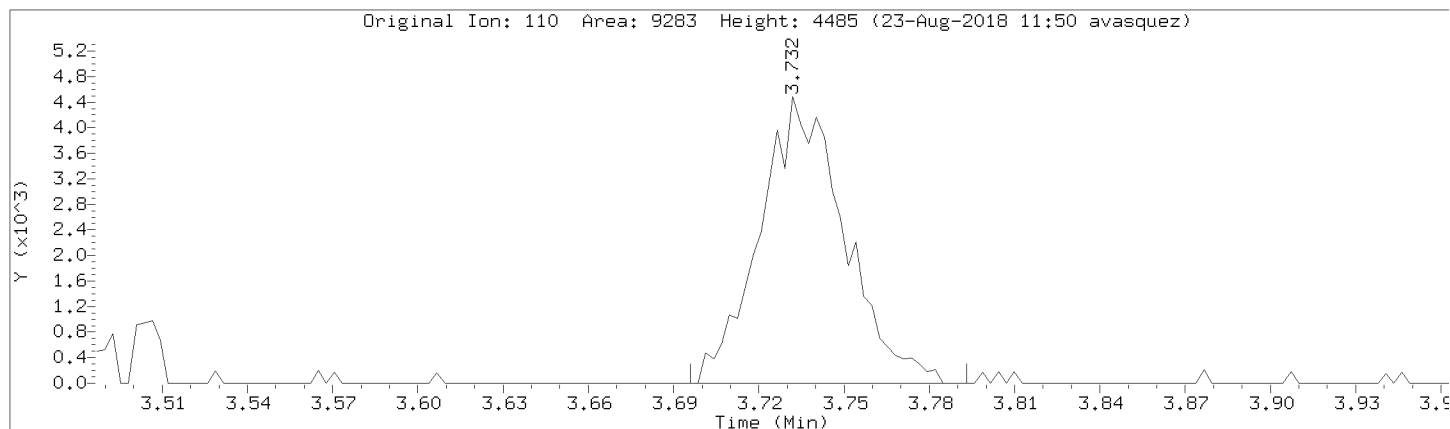


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Injection Date: 22-AUG-2018 16:29

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5



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Injection Date: 22-AUG-2018 16:29

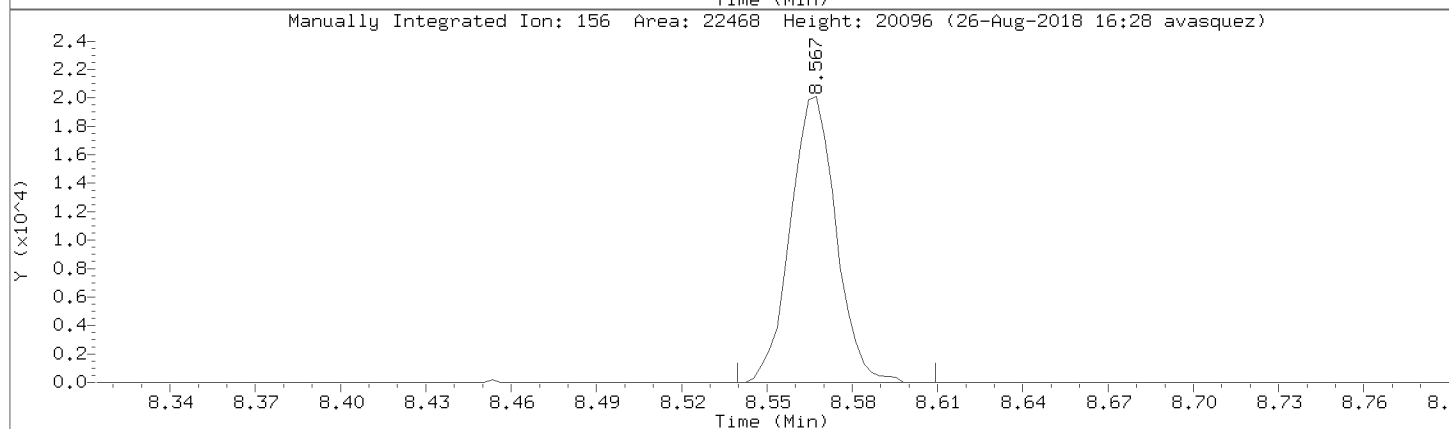
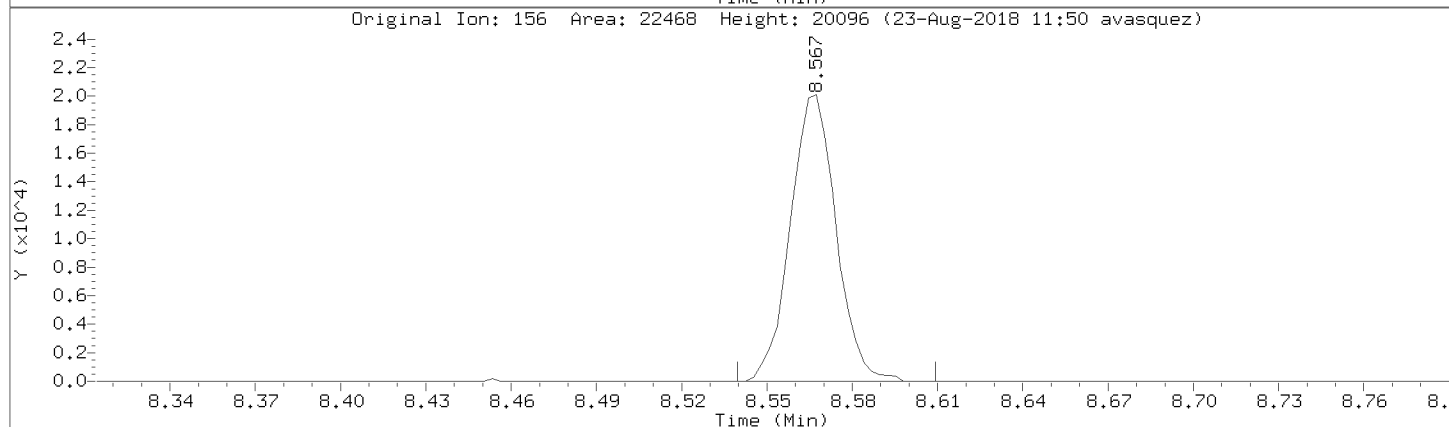
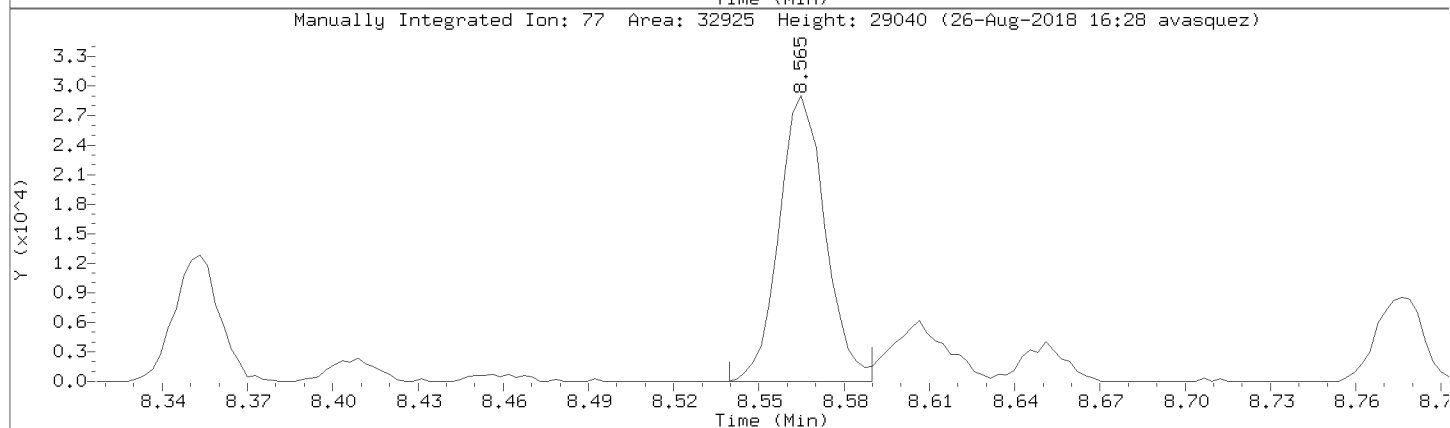
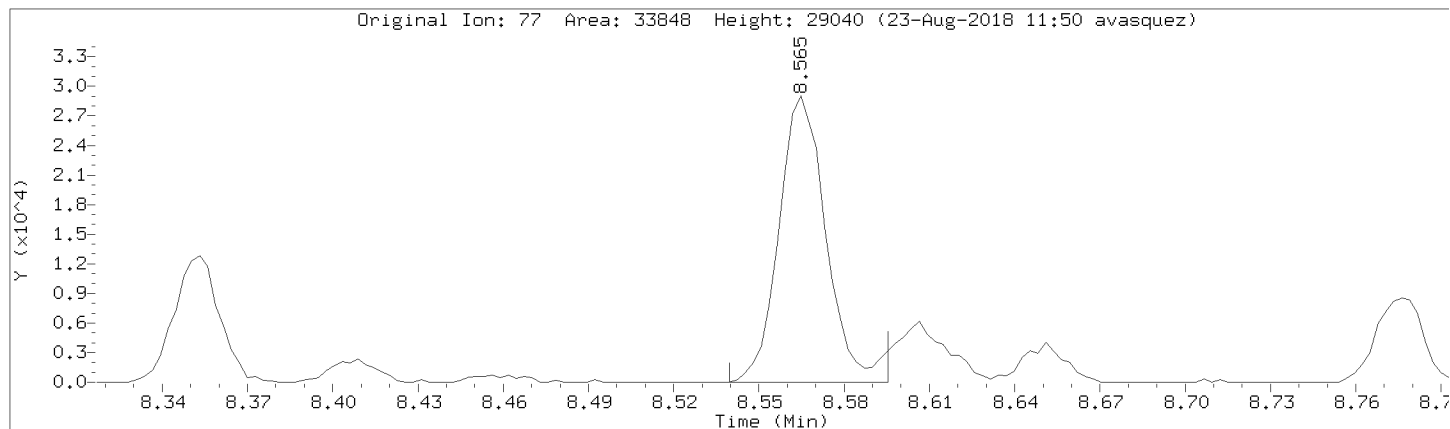
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

Compound: Bromobenzene

Review Code: GT

CAS Number: 108-86-1

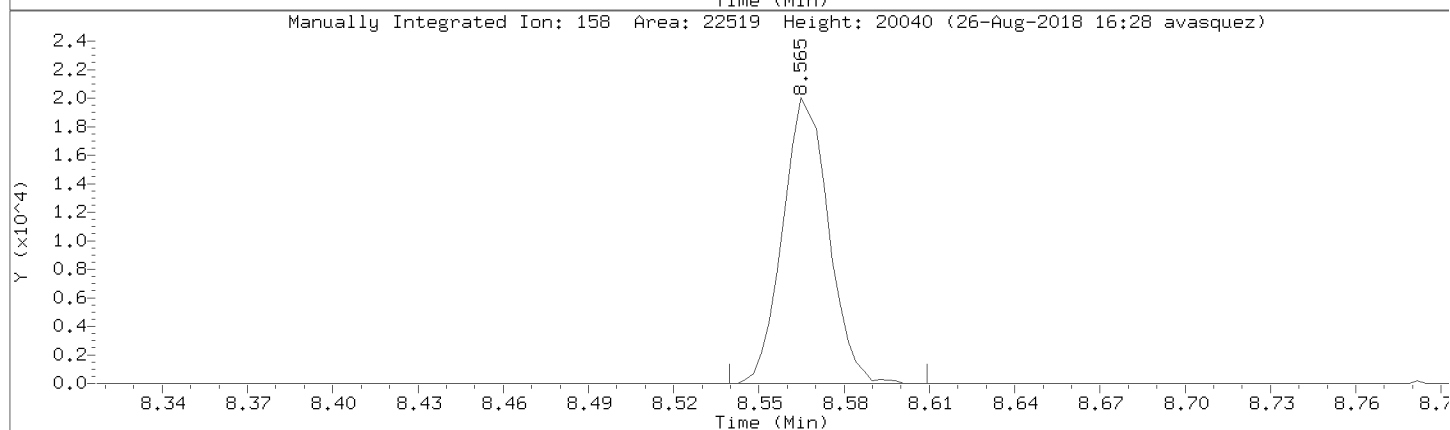
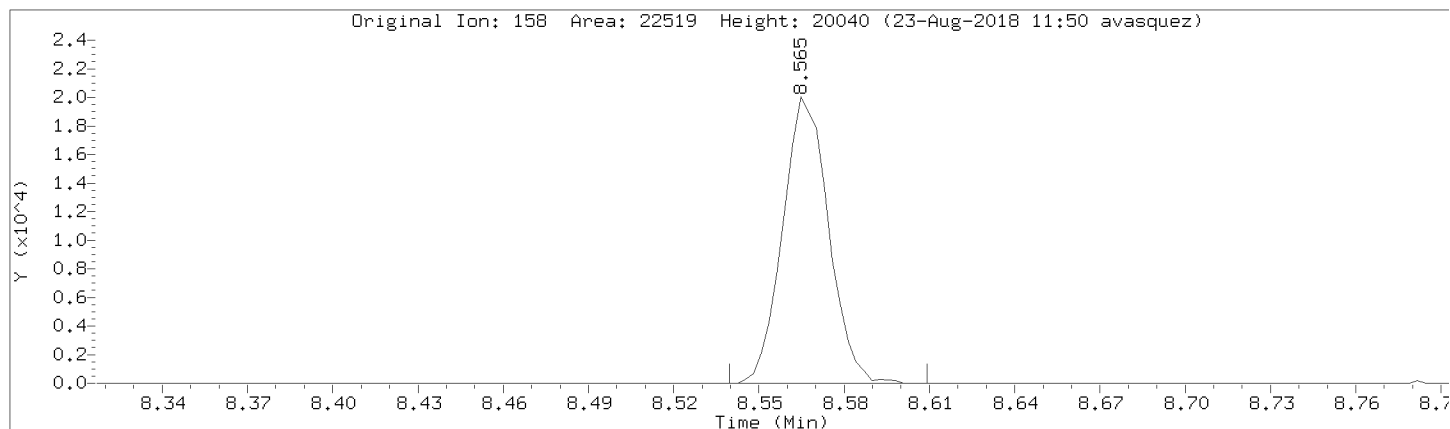


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a06cal.d

Injection Date: 22-AUG-2018 16:29

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\06cal.d

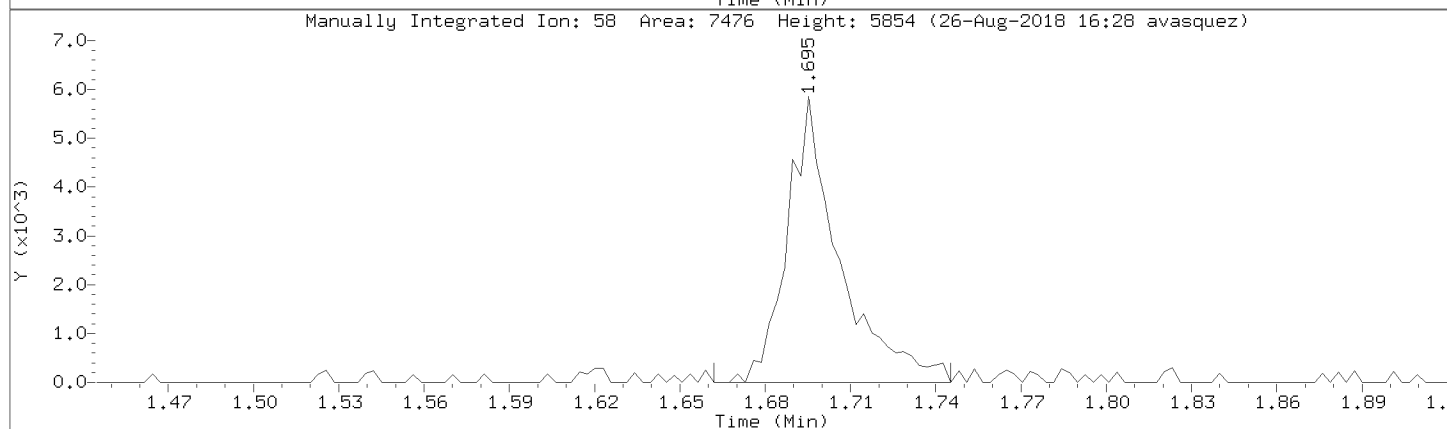
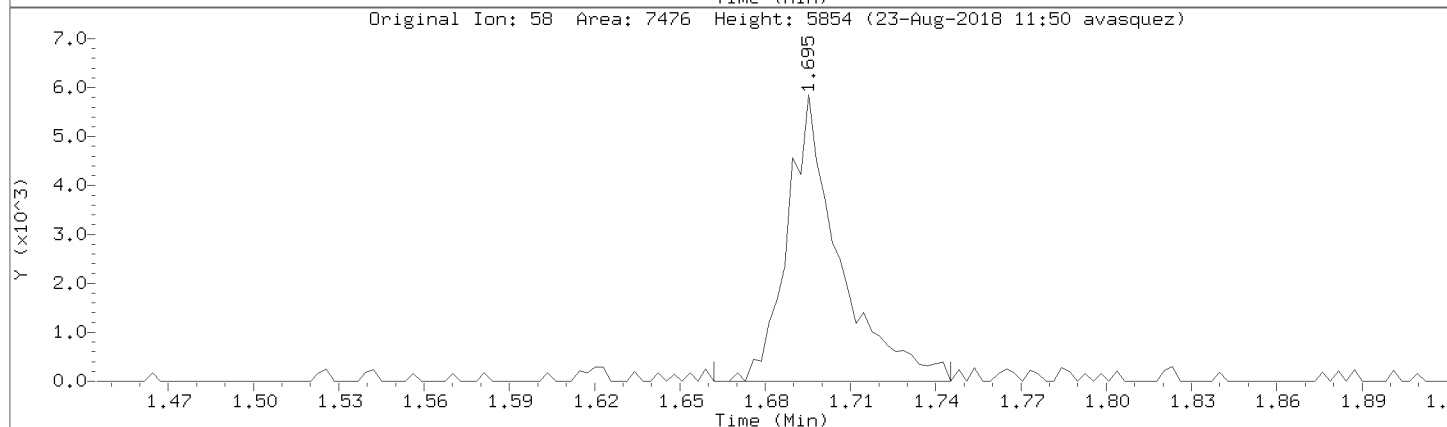
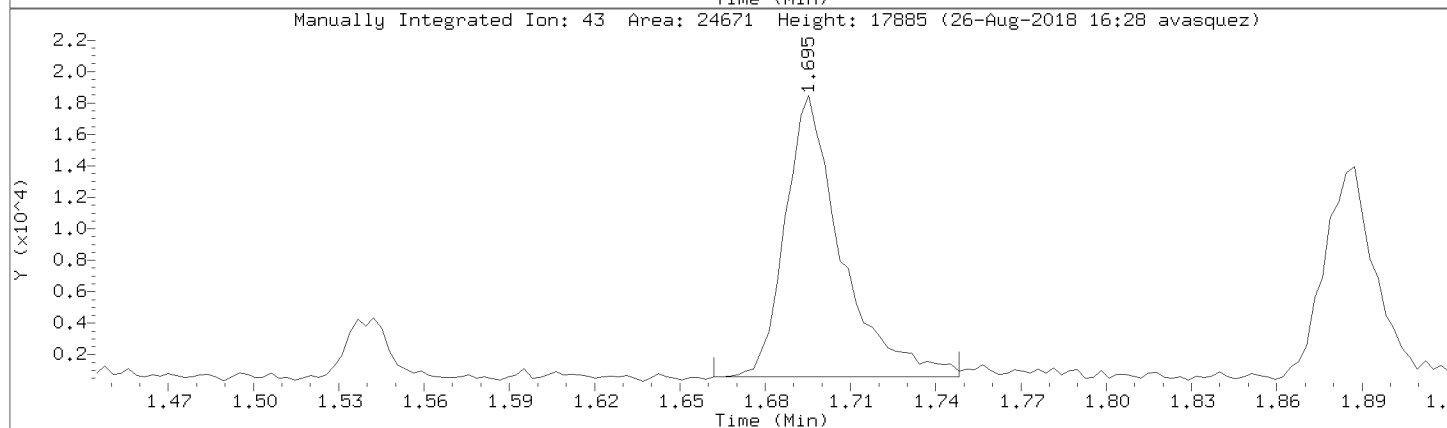
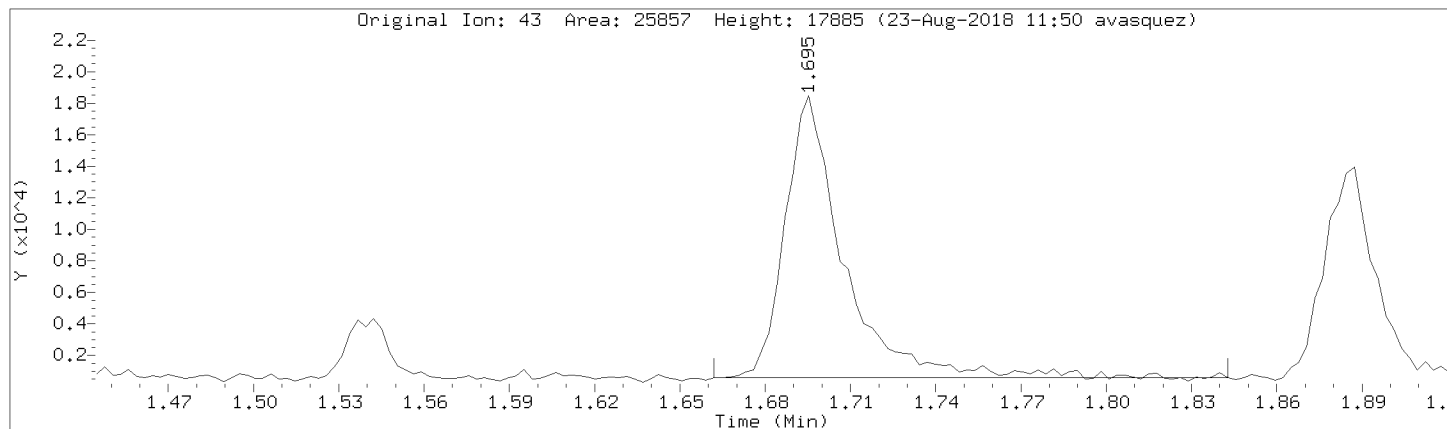
Injection Date: 22-AUG-2018 16:29

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

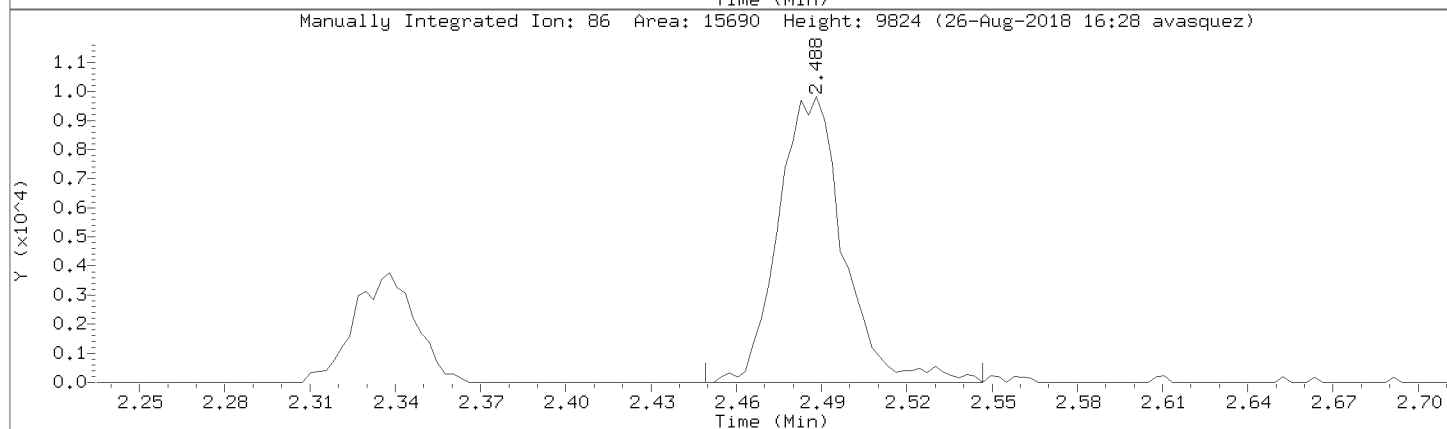
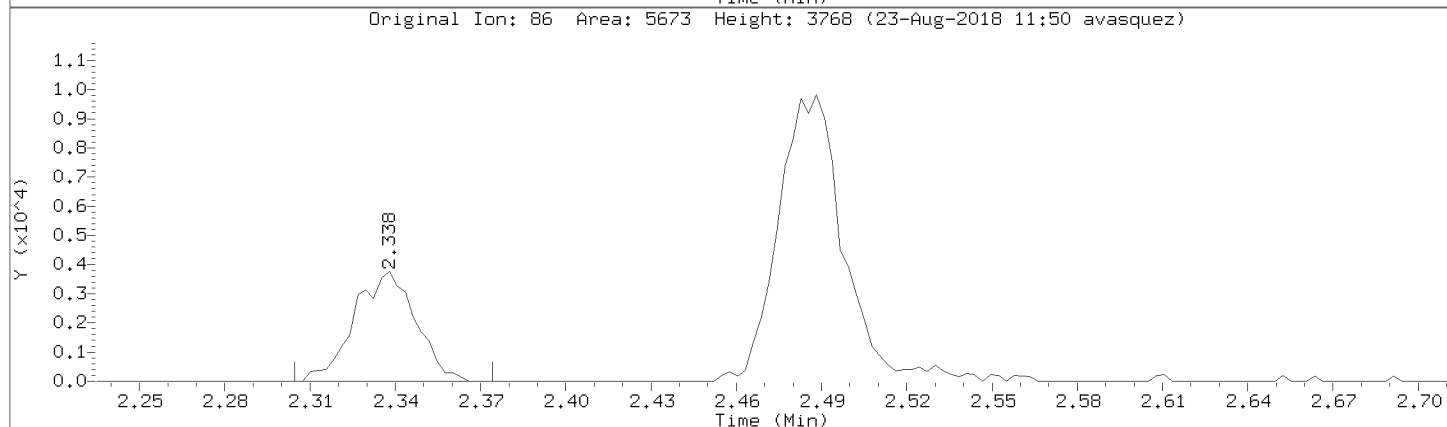
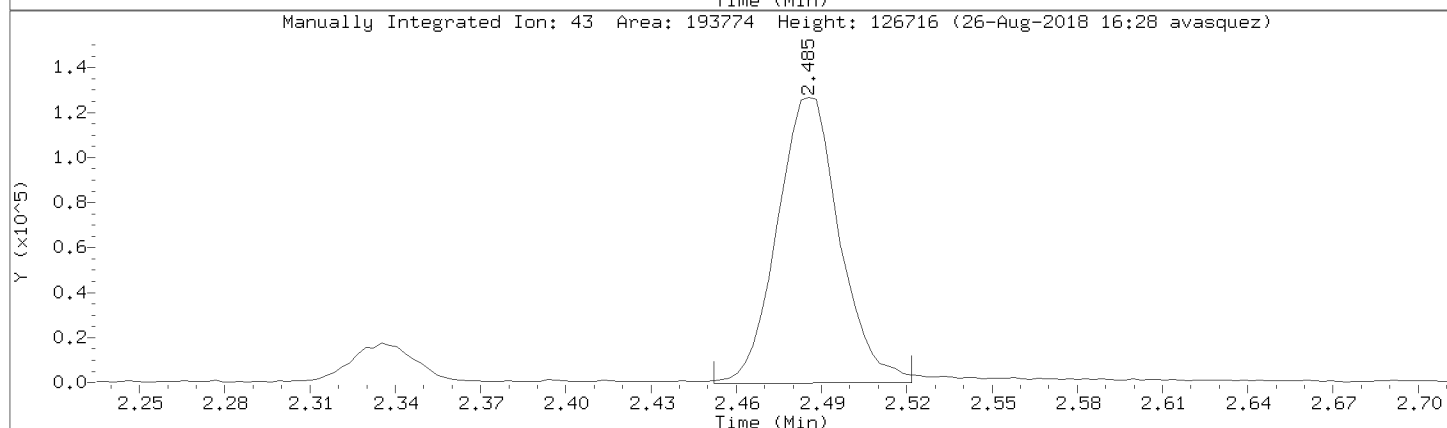
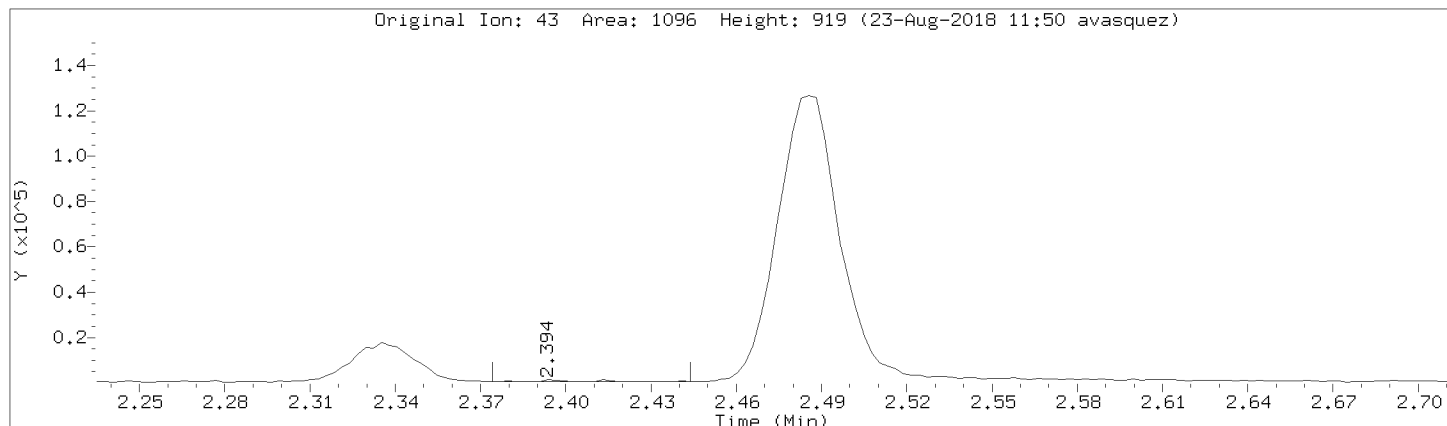
Compound: Acetone Review Code: GT

CAS Number: 67-64-1



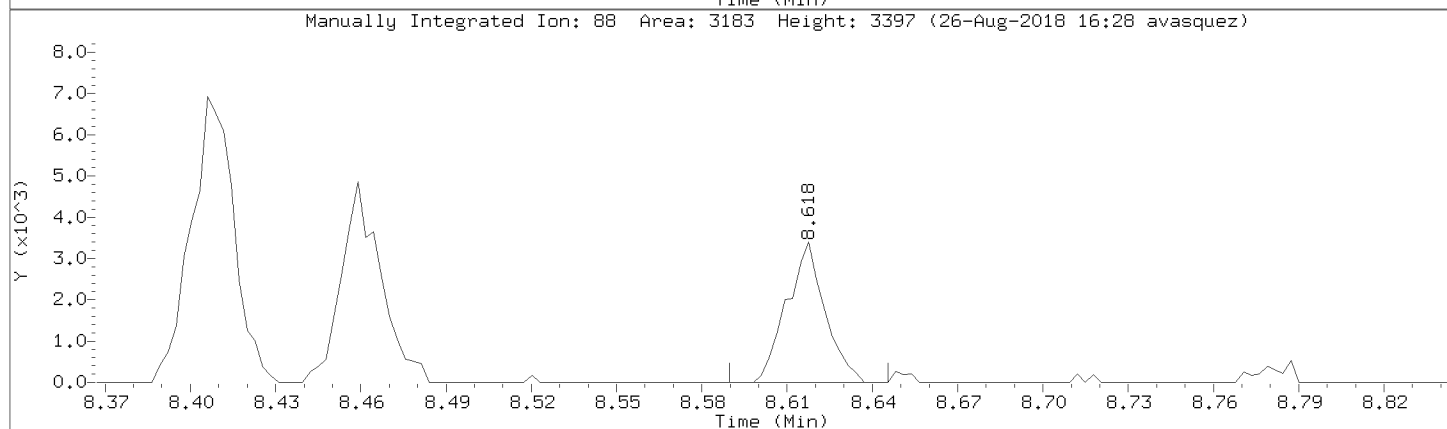
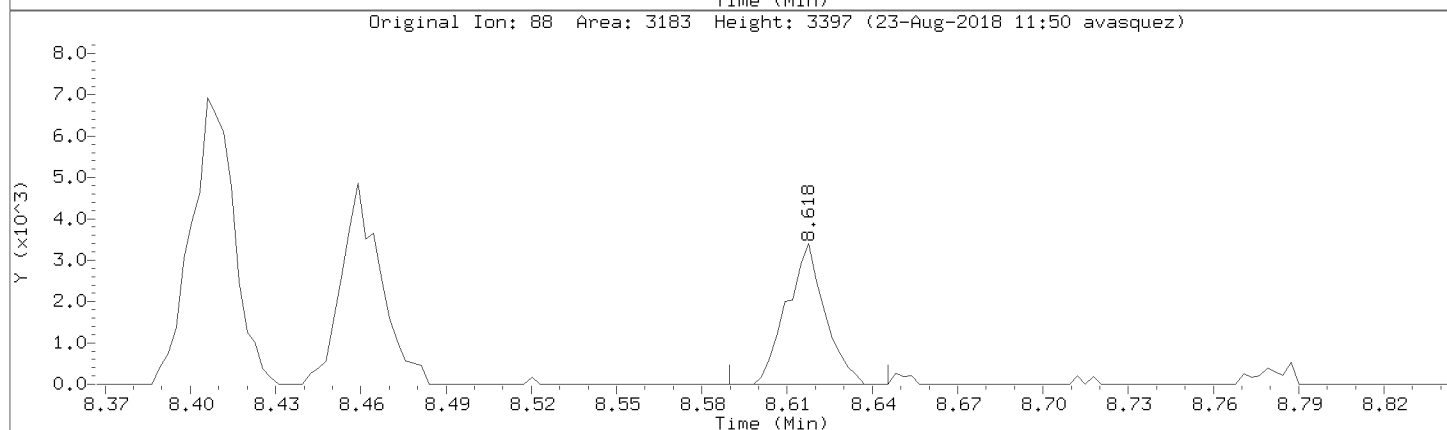
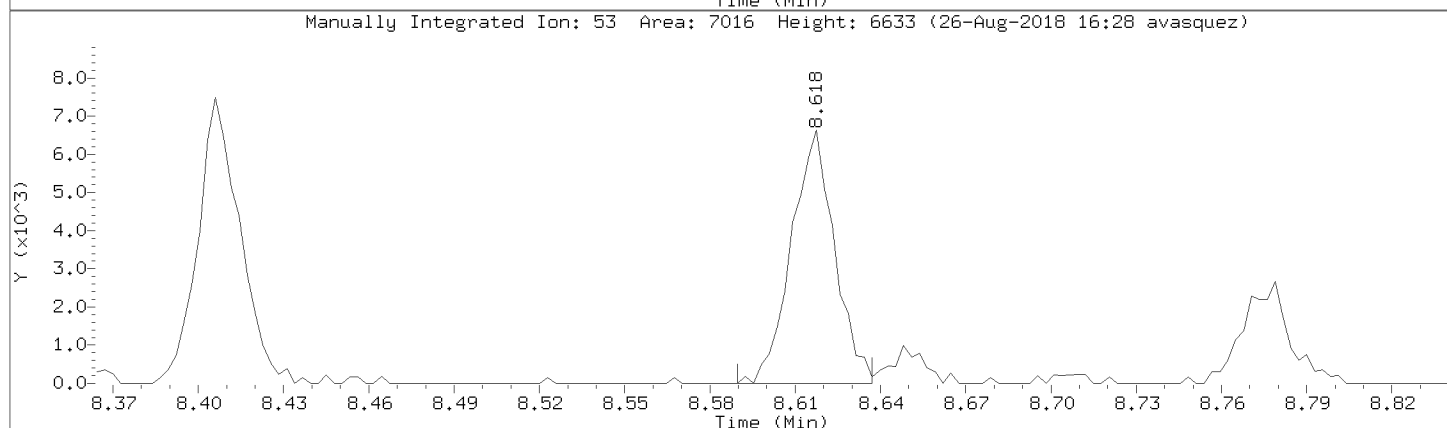
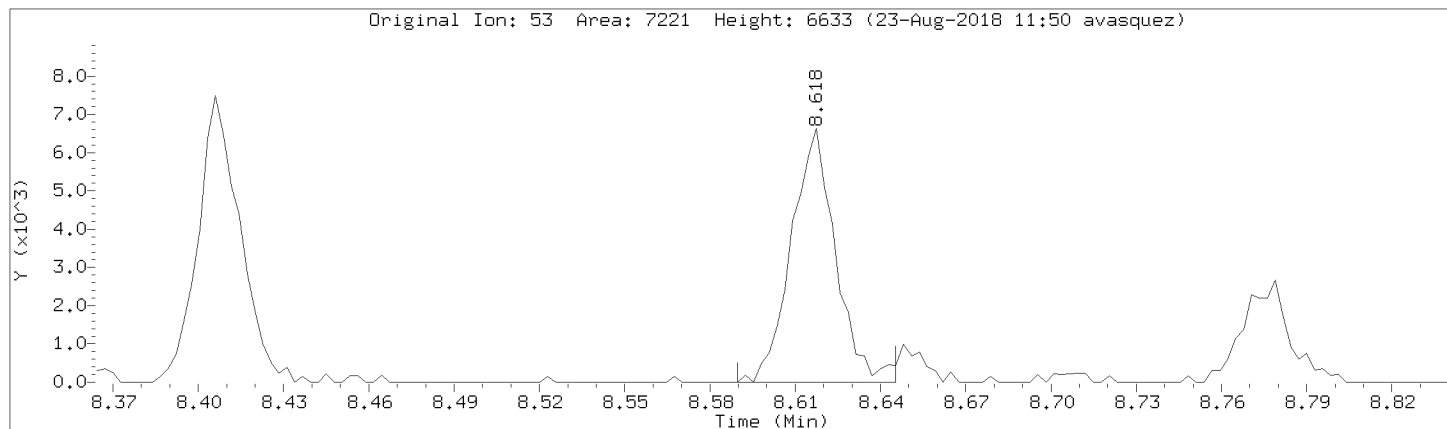
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Injection Date: 22-AUG-2018 16:29
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5

Compound: Vinyl Acetate Review Code: WP
CAS Number: 108-05-4



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a06cal.d
Injection Date: 22-AUG-2018 16:29
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5

Compound: trans-1,4-Dichloro-2-butene Review Code: GT
CAS Number:

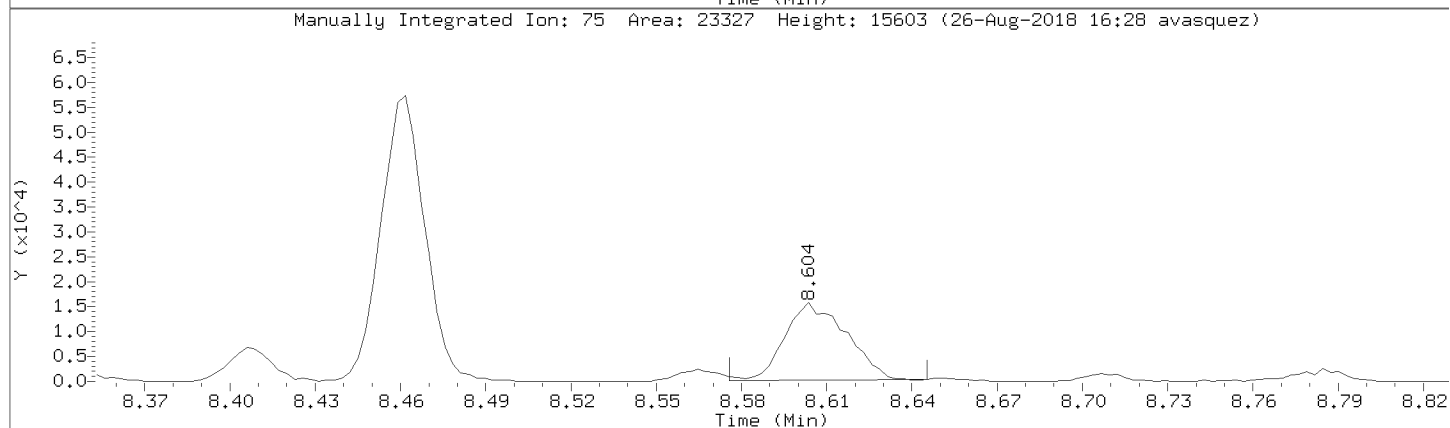
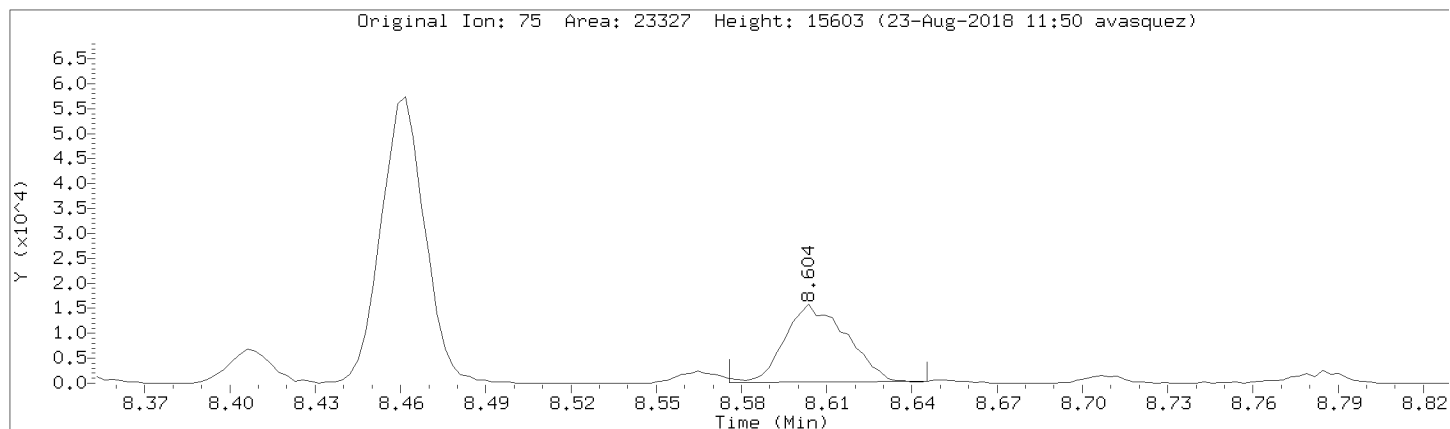


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Injection Date: 22-AUG-2018 16:29

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\06cal.d

Injection Date: 22-AUG-2018 16:29

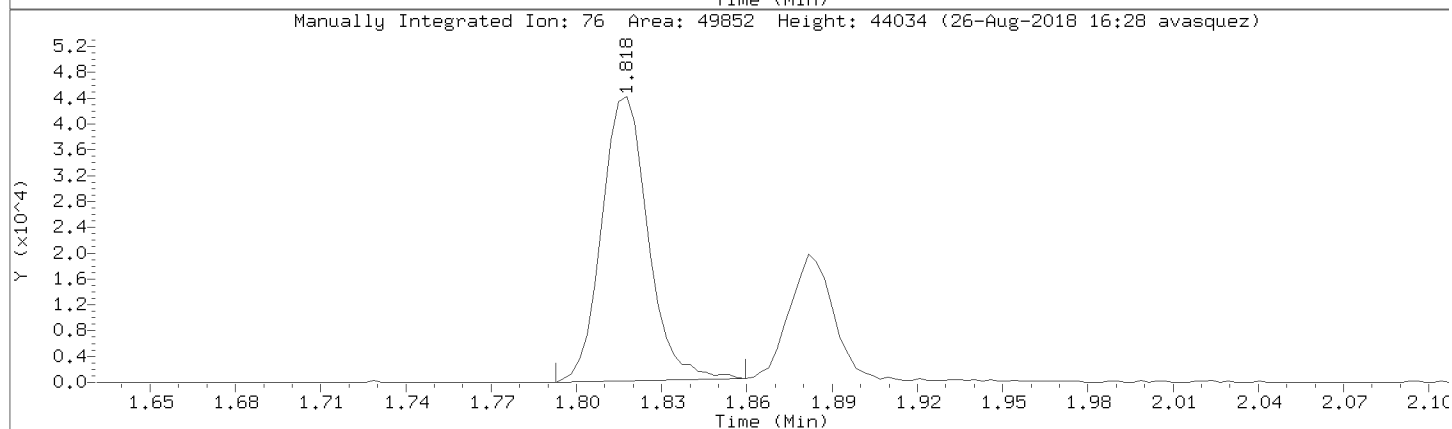
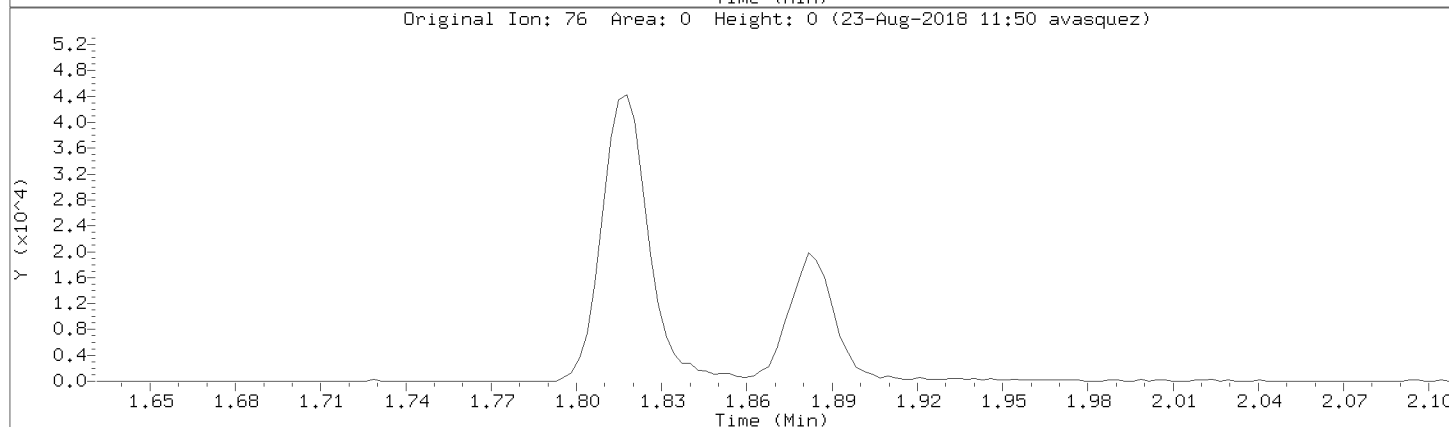
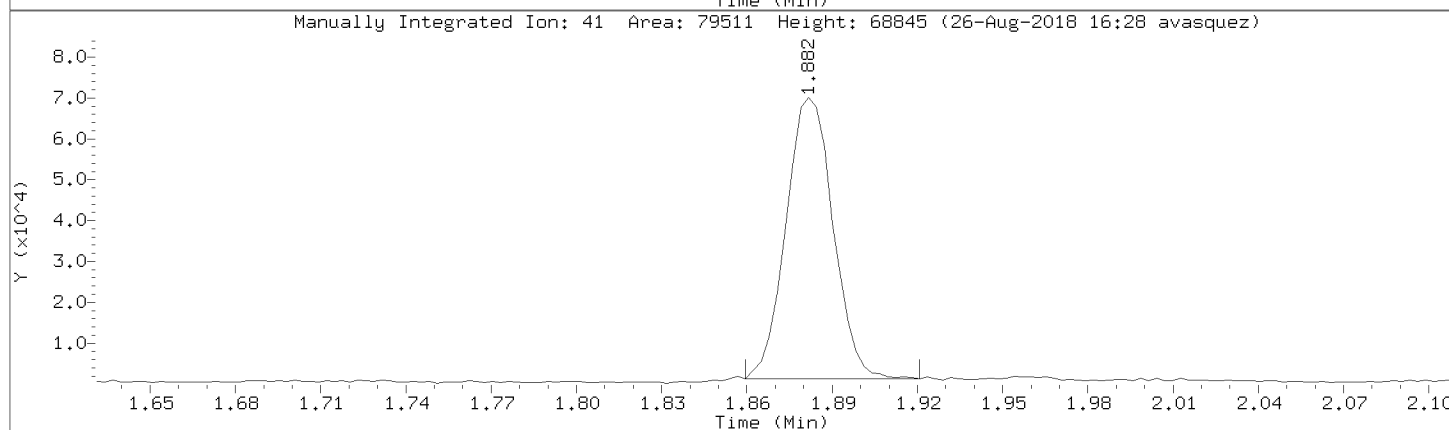
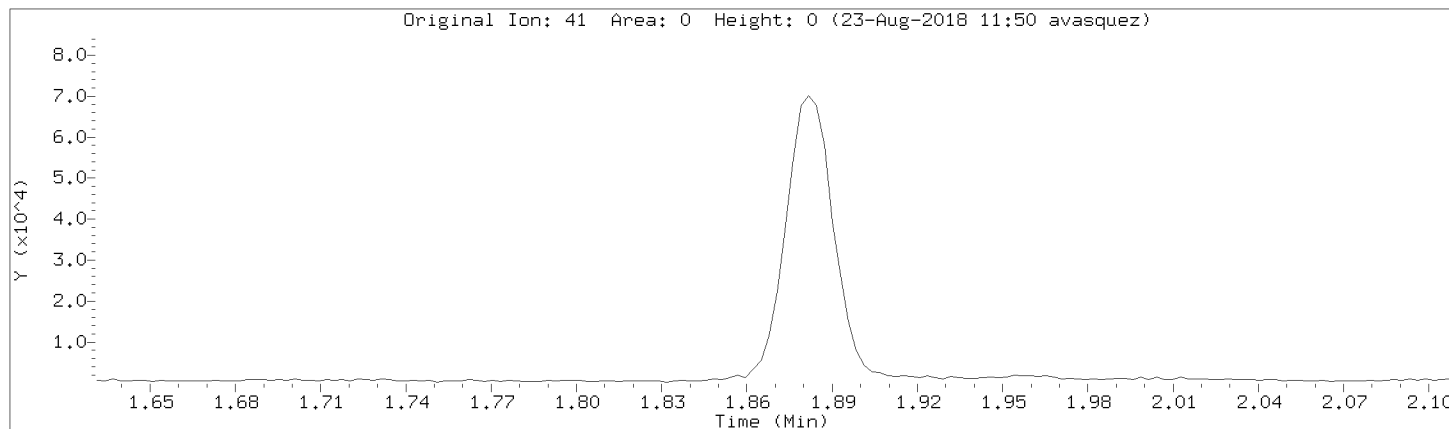
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

Compound: allyl chloride

Review Code: NI

CAS Number: 107-05-1



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a06cal.d

Injection Date: 22-AUG-2018 16:29

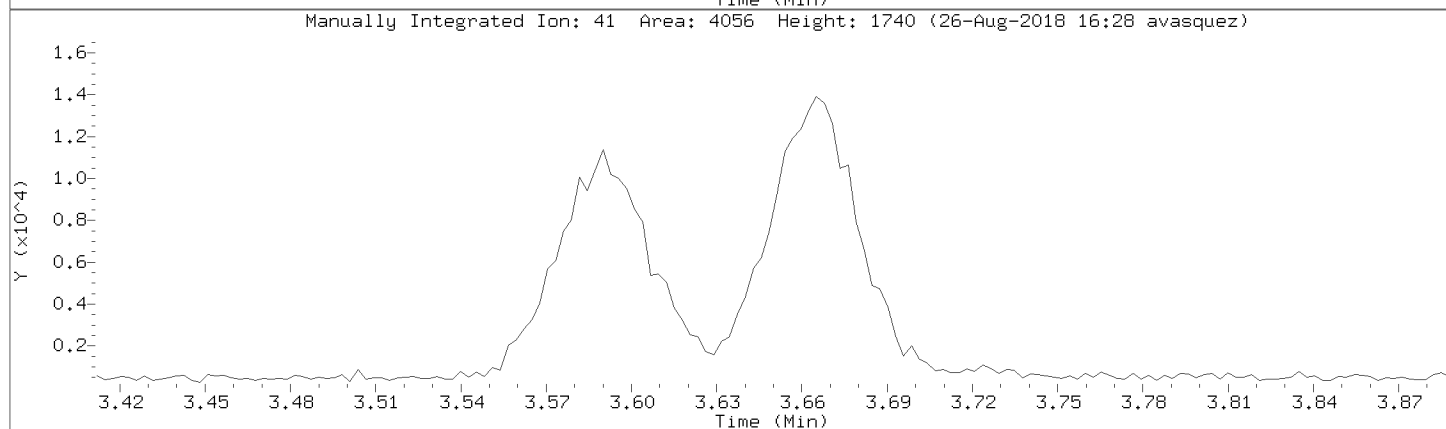
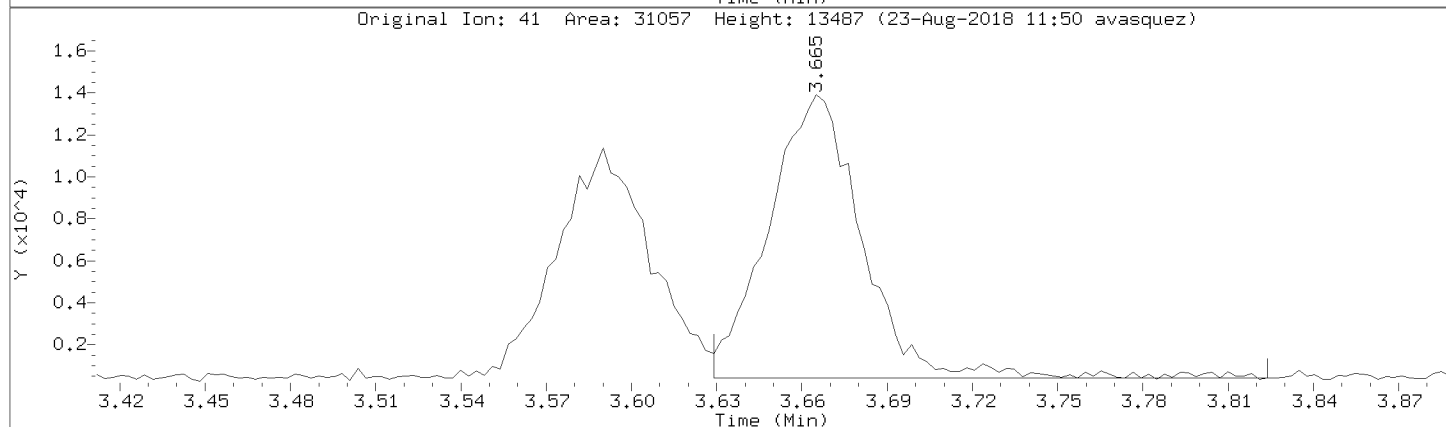
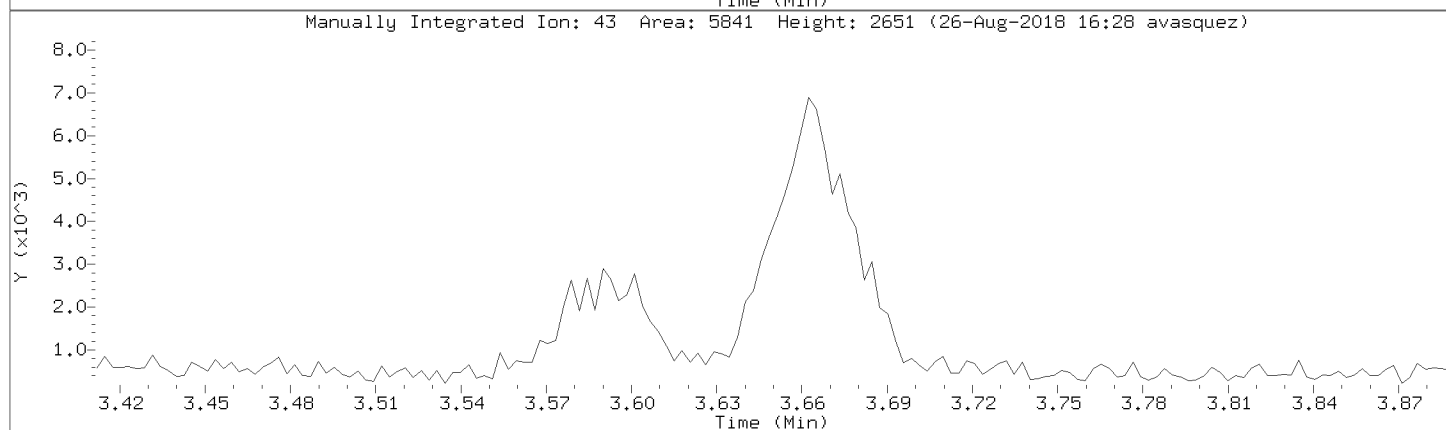
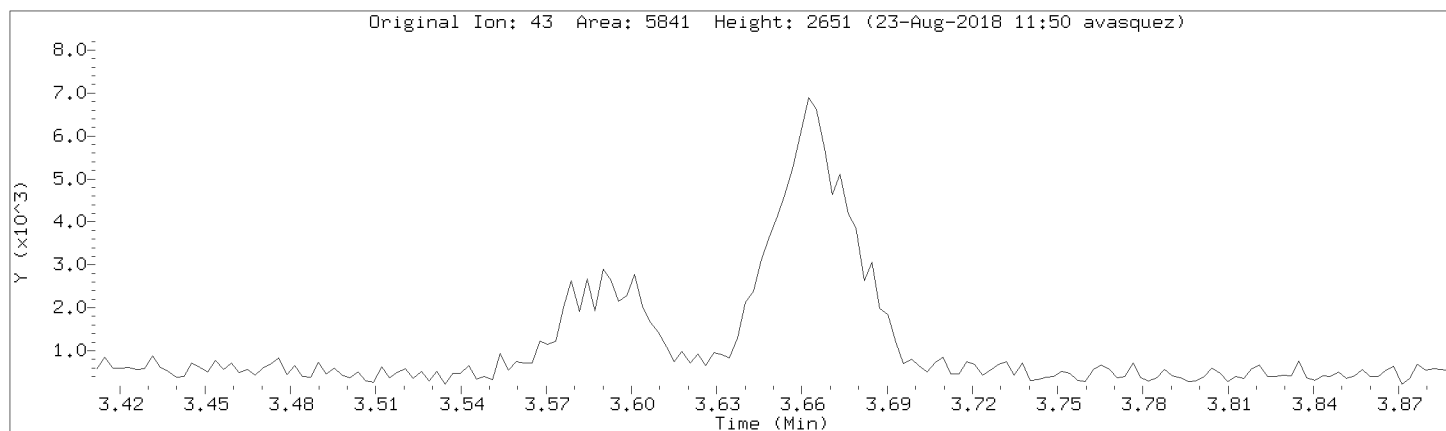
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

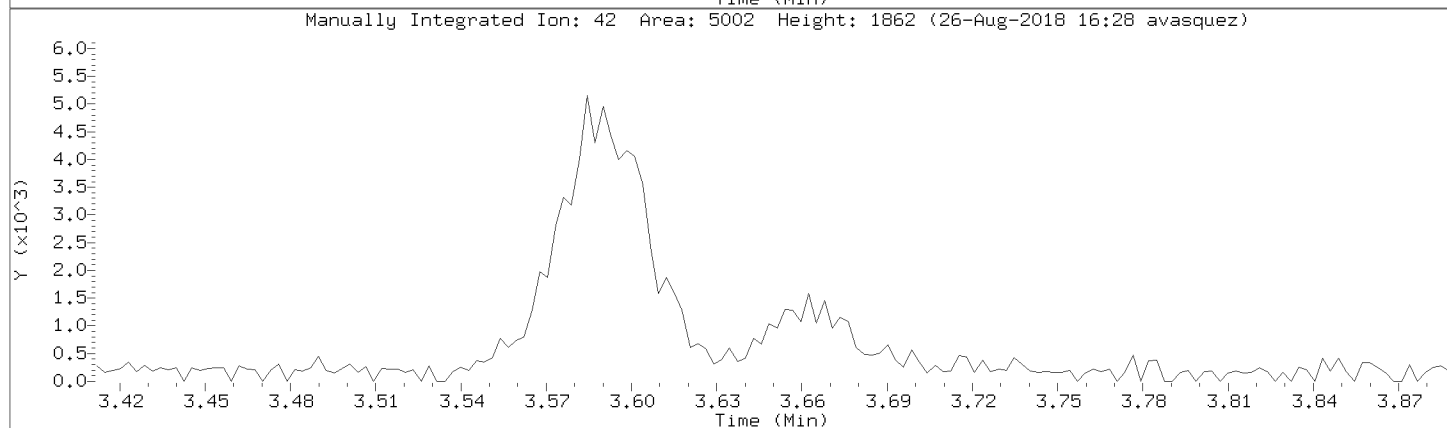
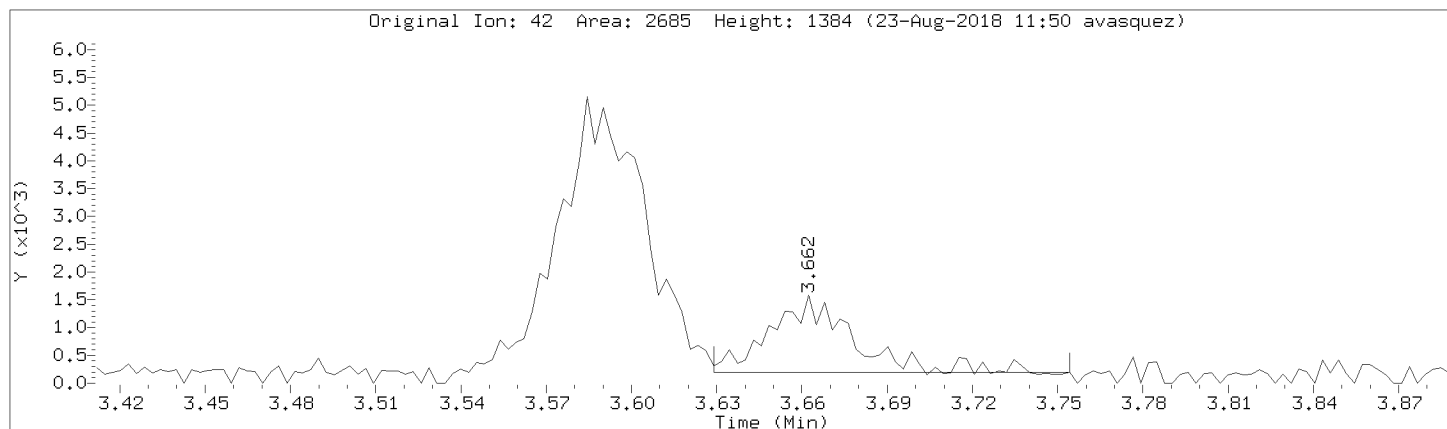
Compound: Isobutyl alcohol

Review Code: NI

CAS Number: 78-83-1

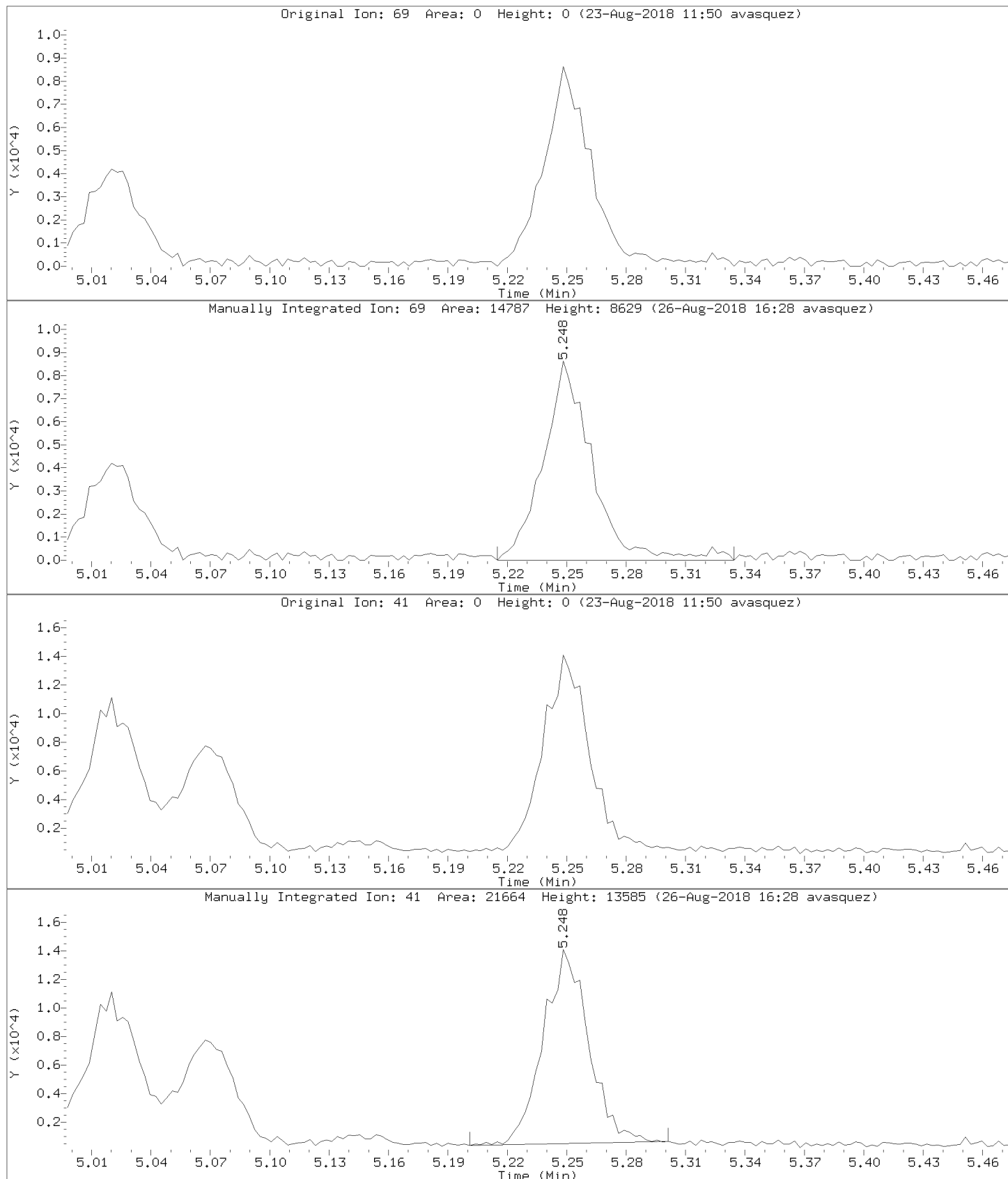


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a06cal.d
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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5

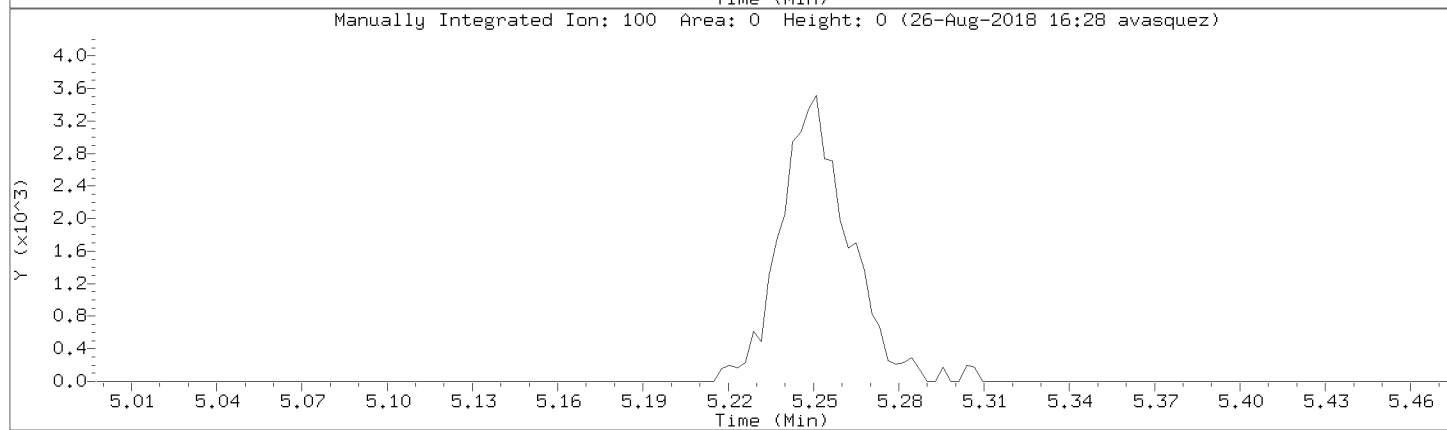
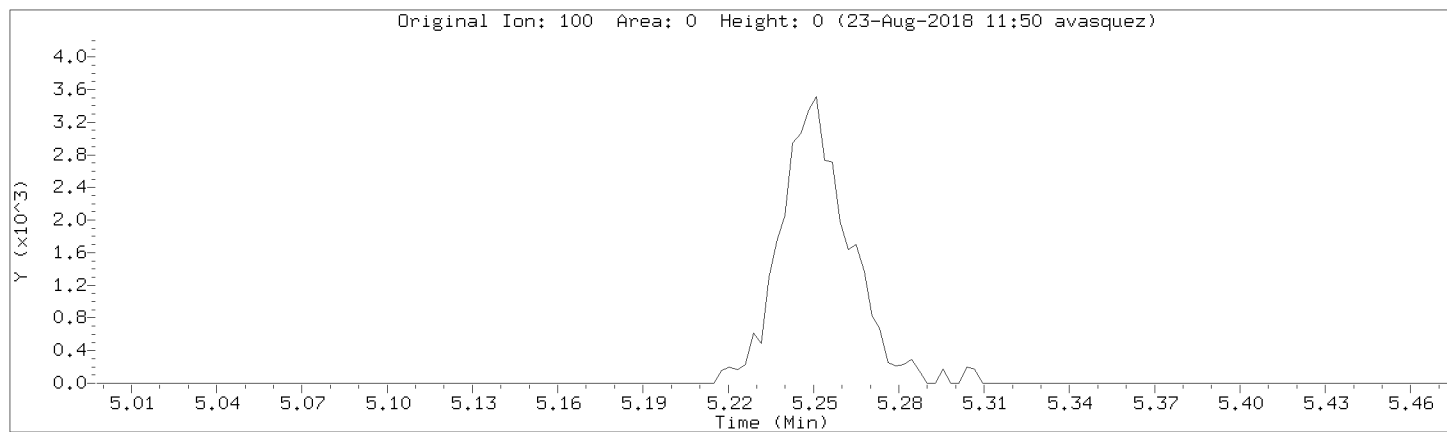


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Injection Date: 22-AUG-2018 16:29
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5

Compound: Methyl methacrylate Review Code: NI
CAS Number: 80-62-6



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a06cal.d
Injection Date: 22-AUG-2018 16:29
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5



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Injection Date: 22-AUG-2018 16:29

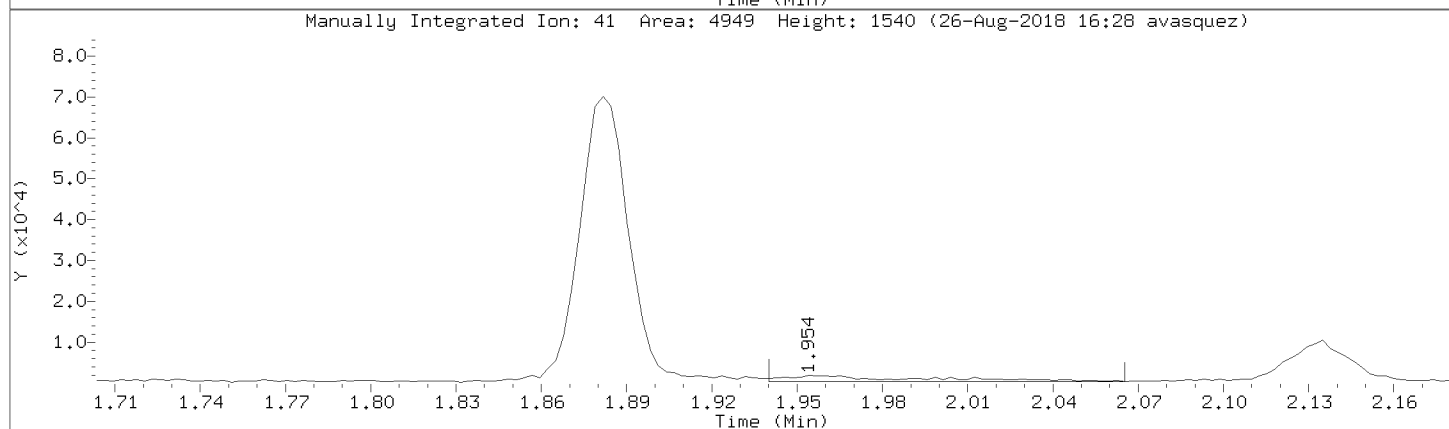
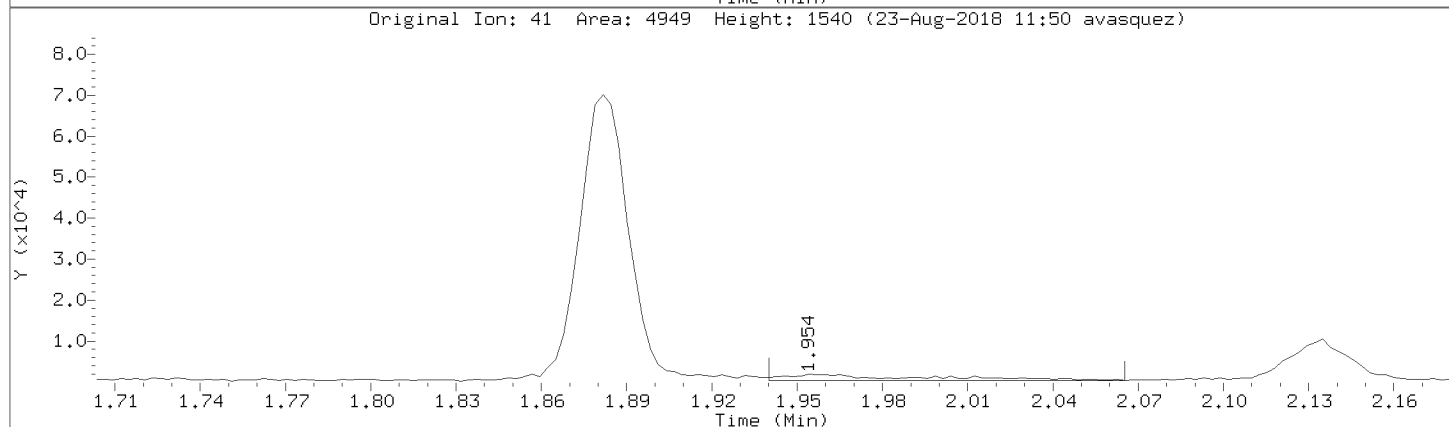
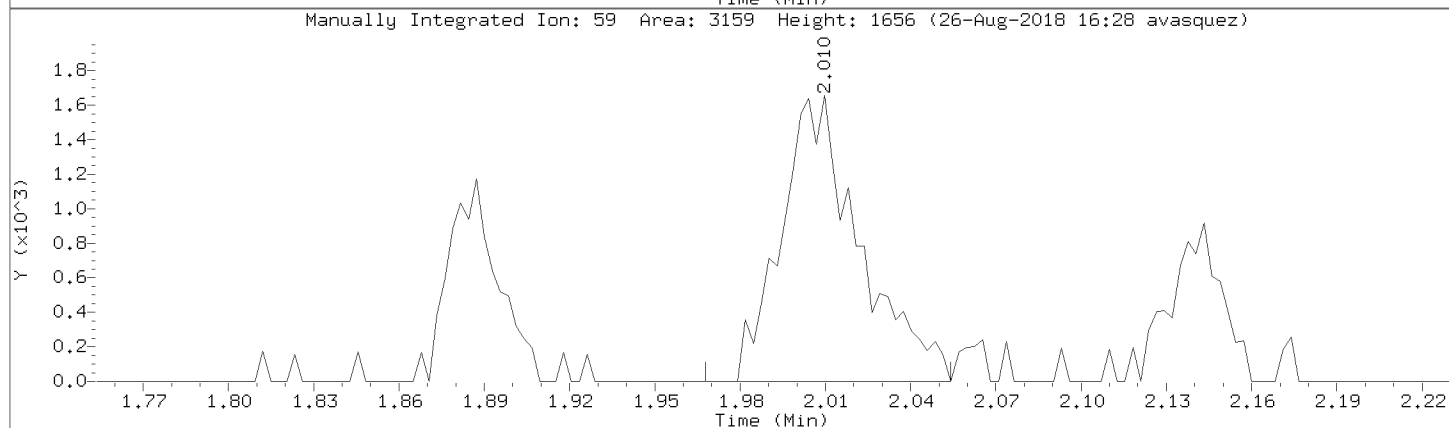
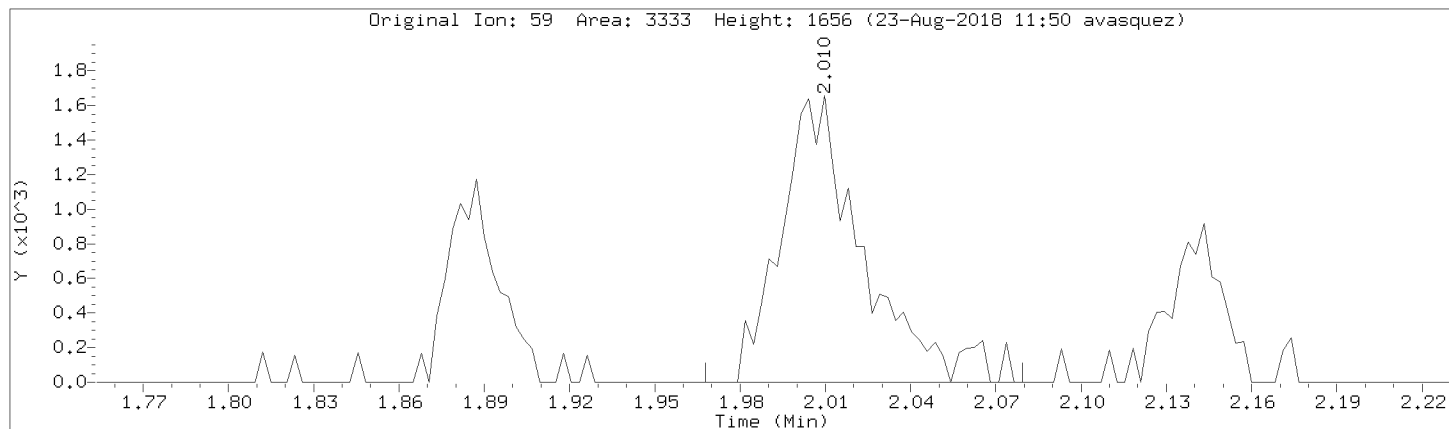
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

Compound: tert-Butyl Alcohol

Review Code: GT

CAS Number: 75-65-0



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a06cal.d

Injection Date: 22-AUG-2018 16:29

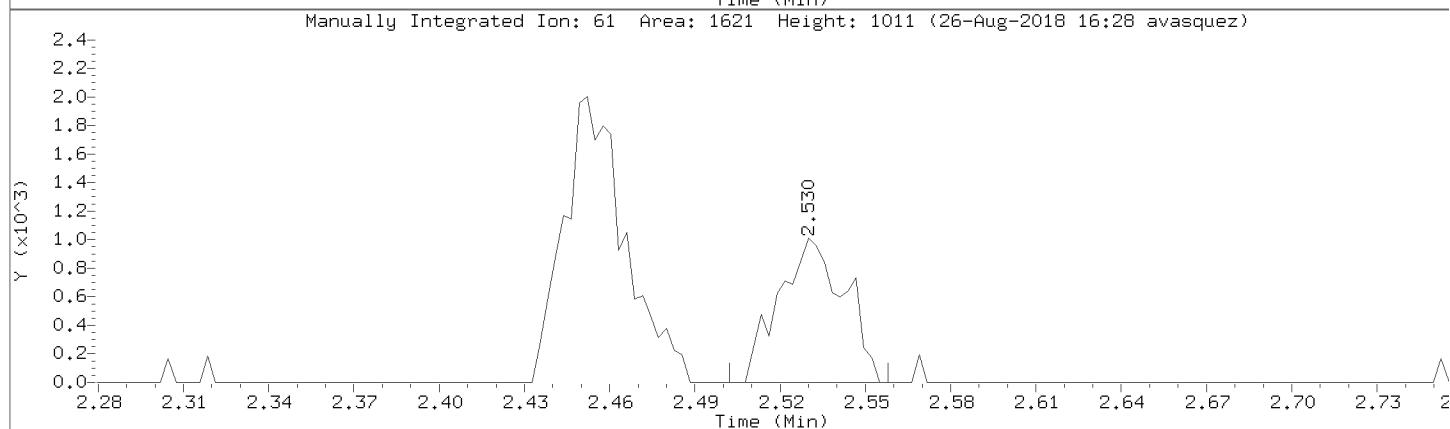
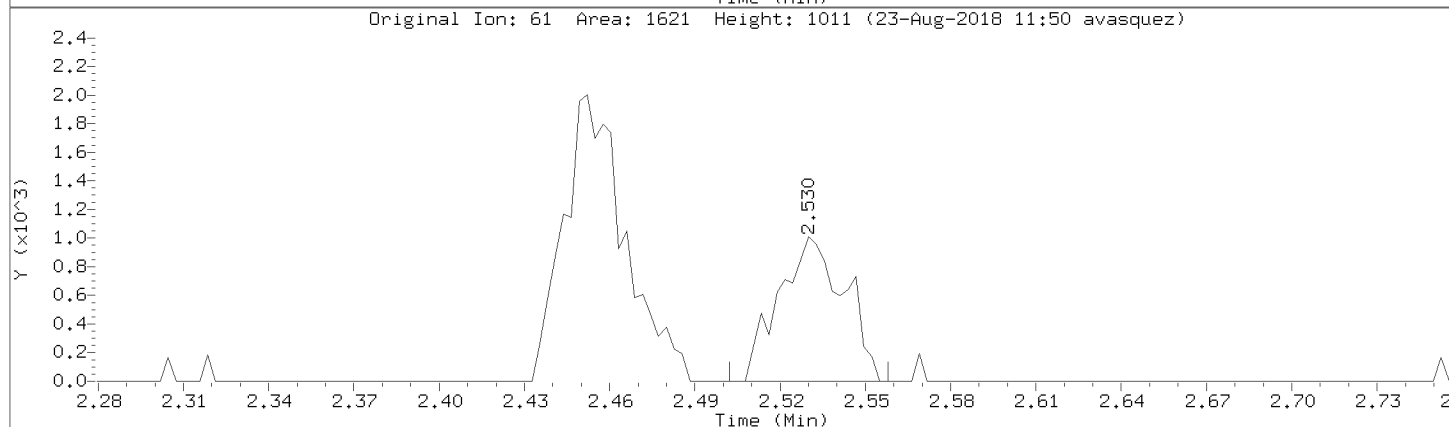
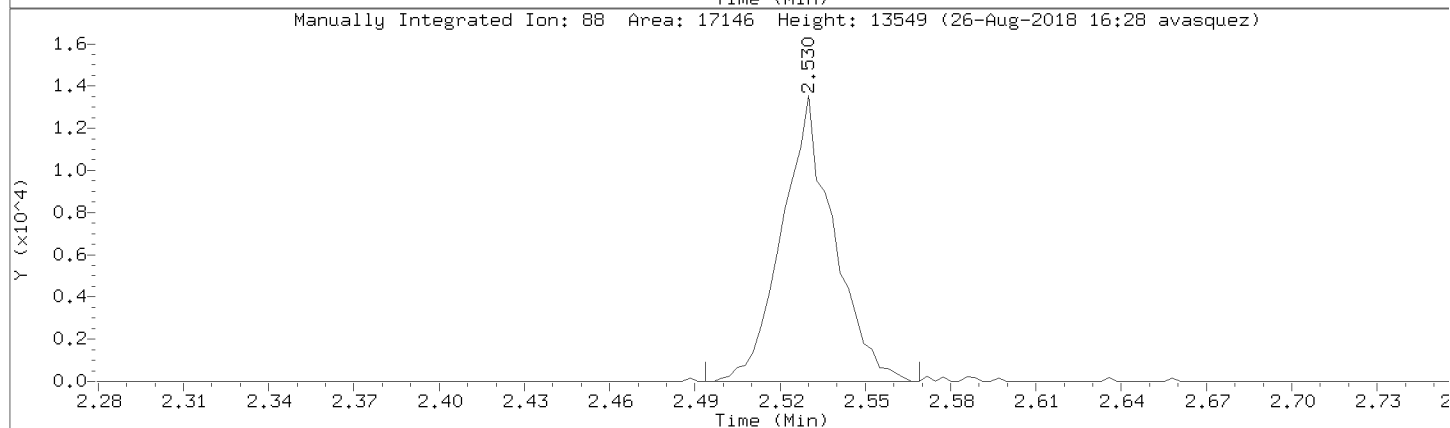
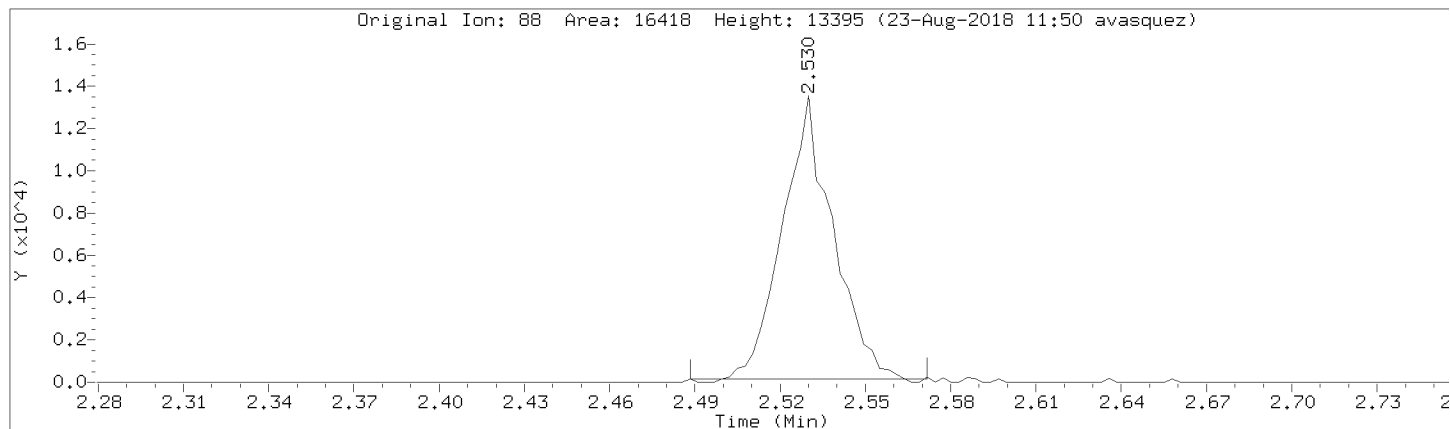
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

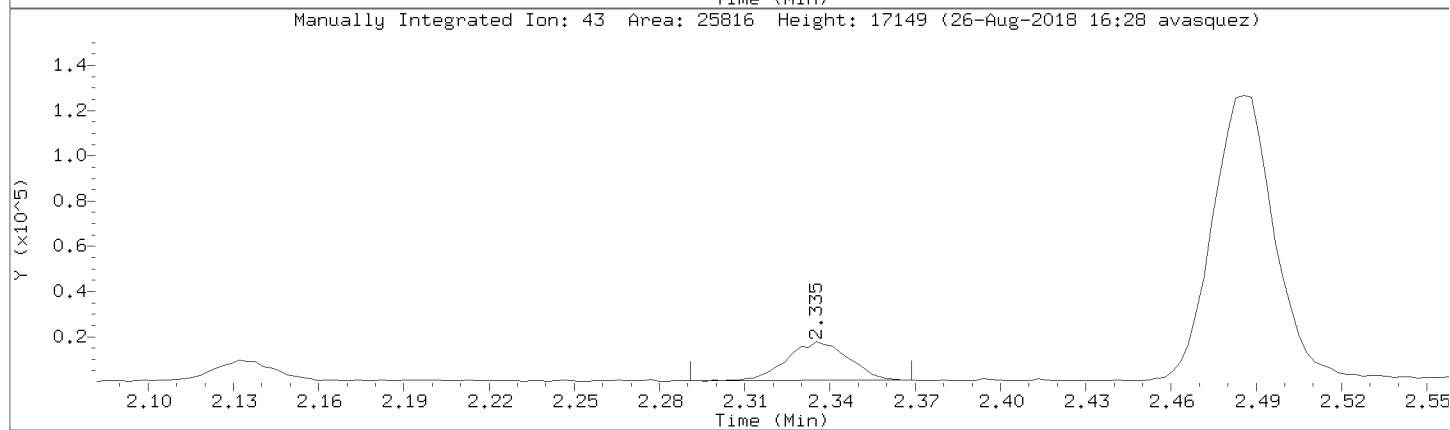
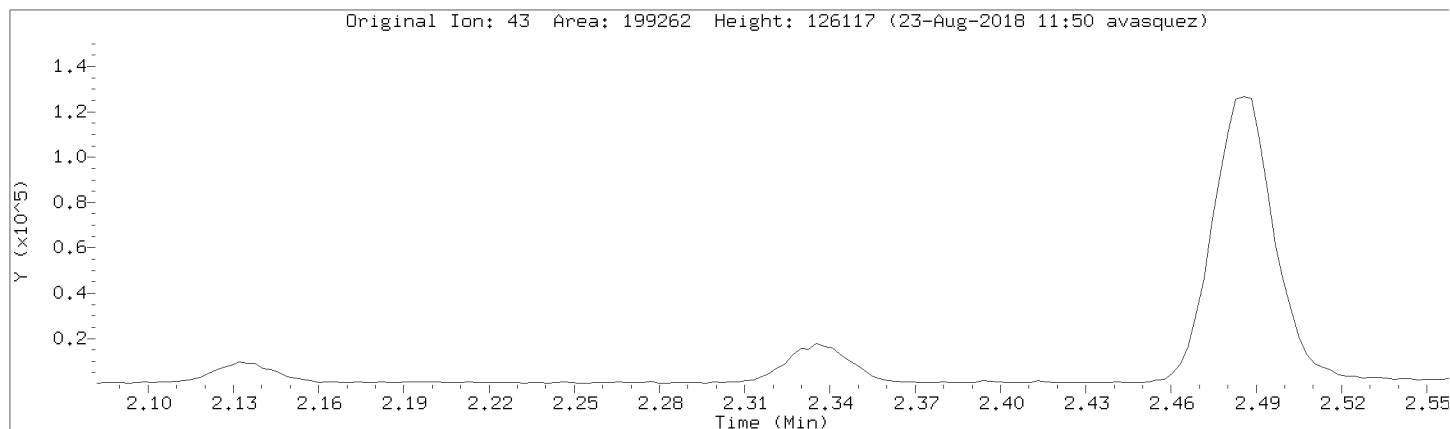
Compound: Ethyl acetate

Review Code: LT

CAS Number: 141-78-6



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a06cal.d
Injection Date: 22-AUG-2018 16:29
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5



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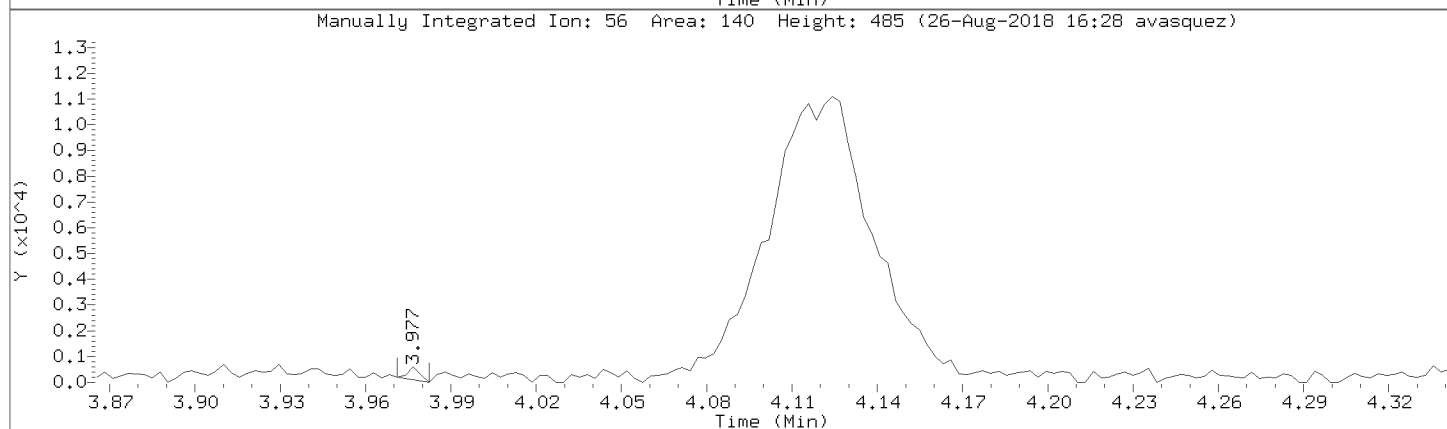
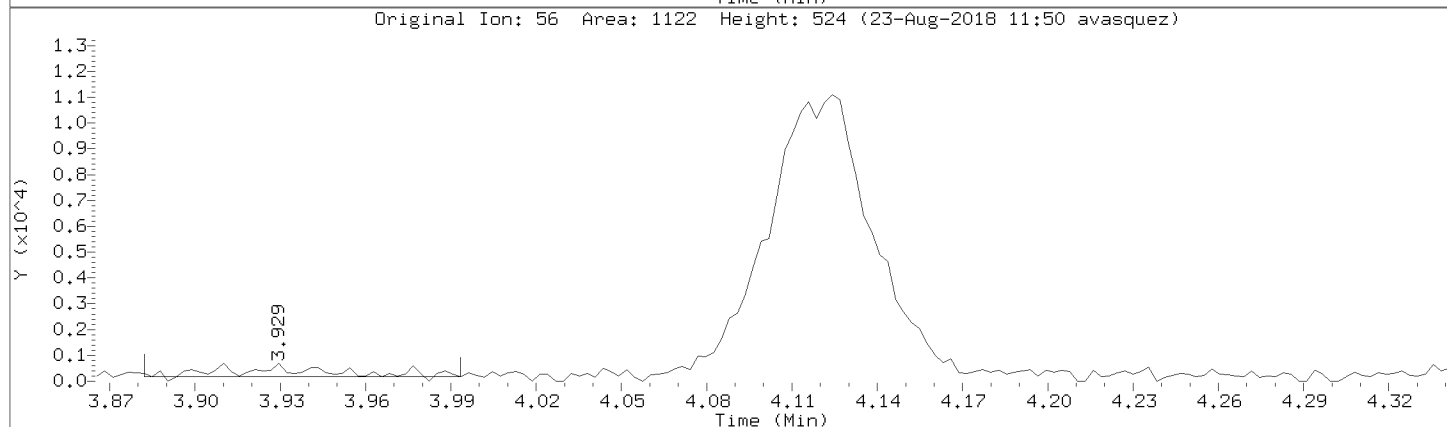
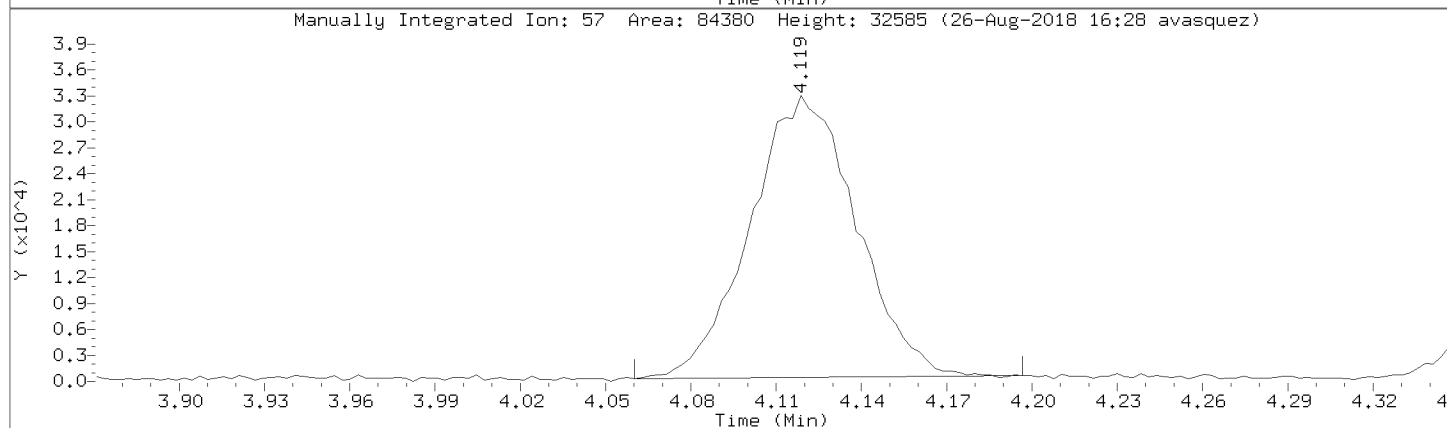
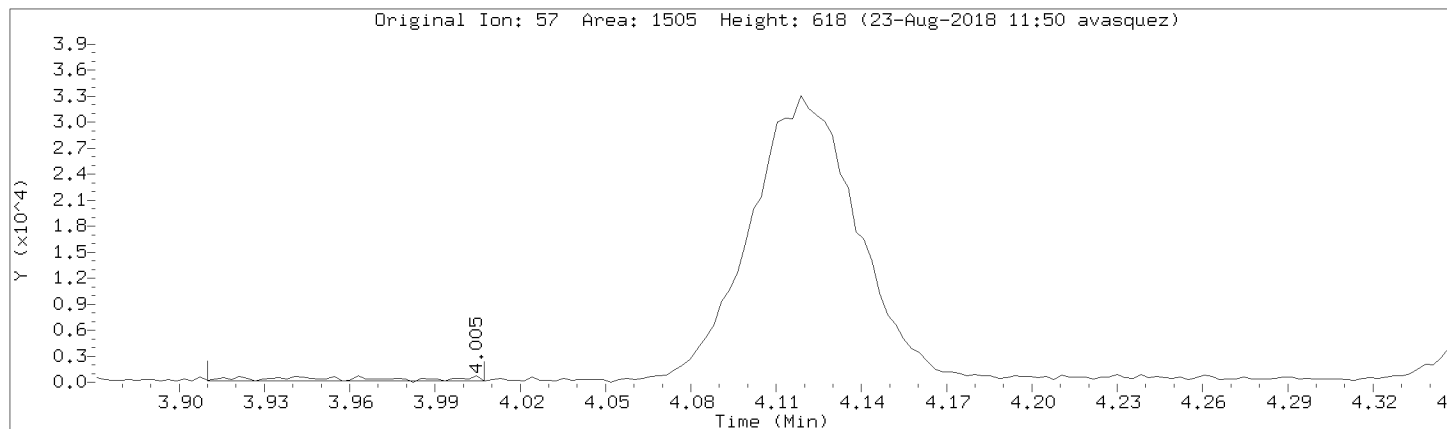
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

Compound: 2,2,4-Trimethylpentane

Review Code: NI

CAS Number: 540-84-1



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a06cal.d

Injection Date: 22-AUG-2018 16:29

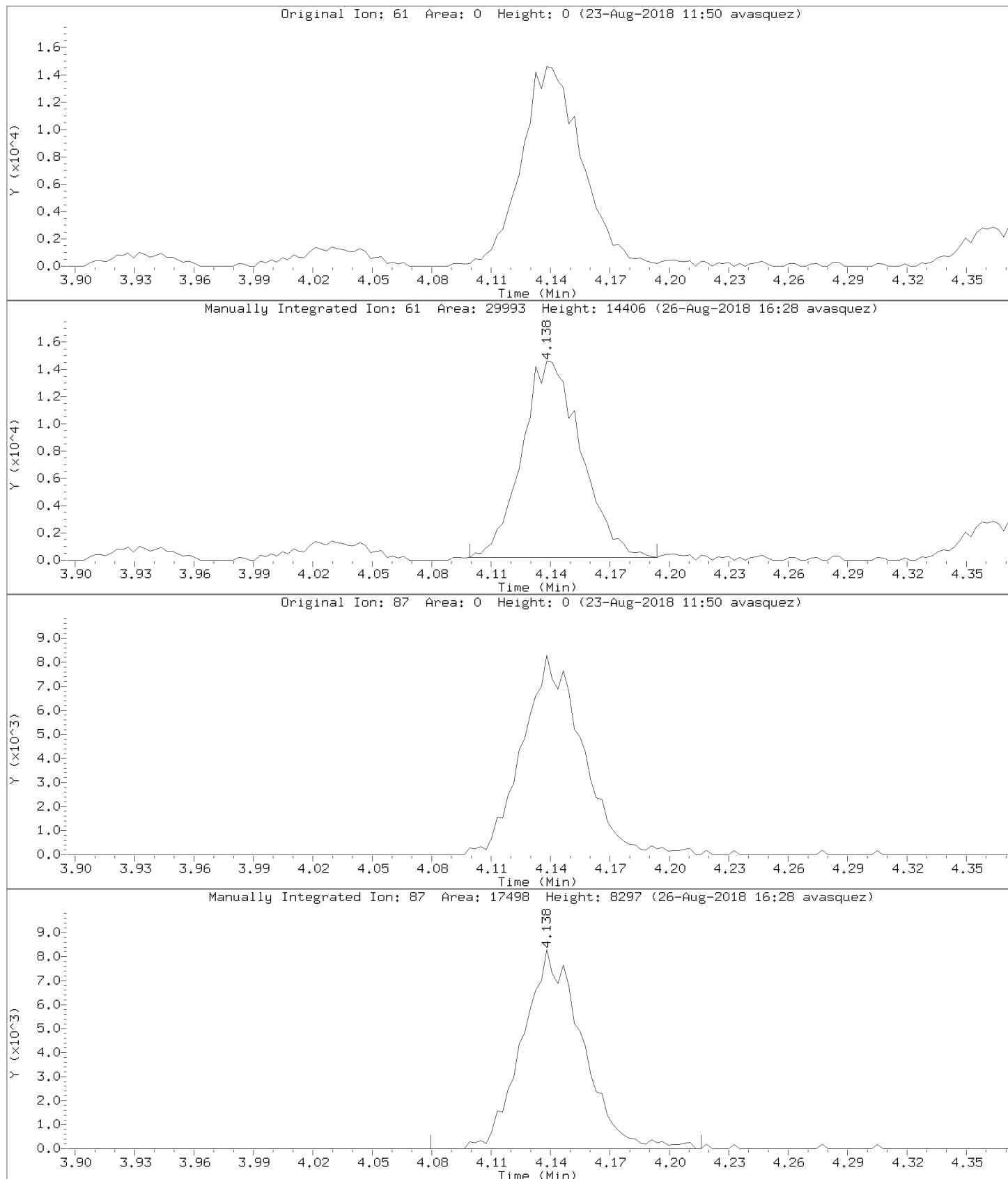
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

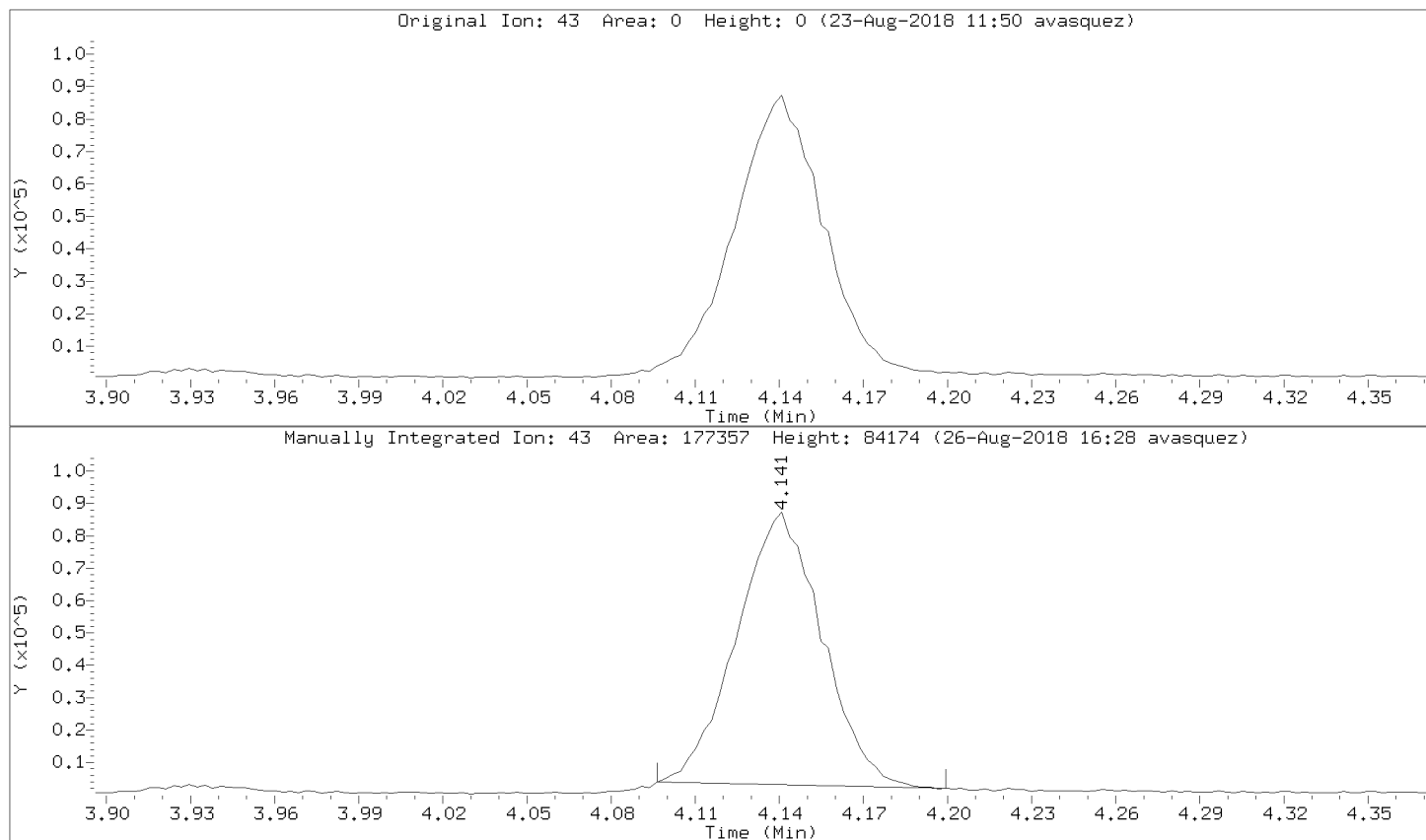
Compound: isopropyl acetate

Review Code: NI

CAS Number: 108-21-4

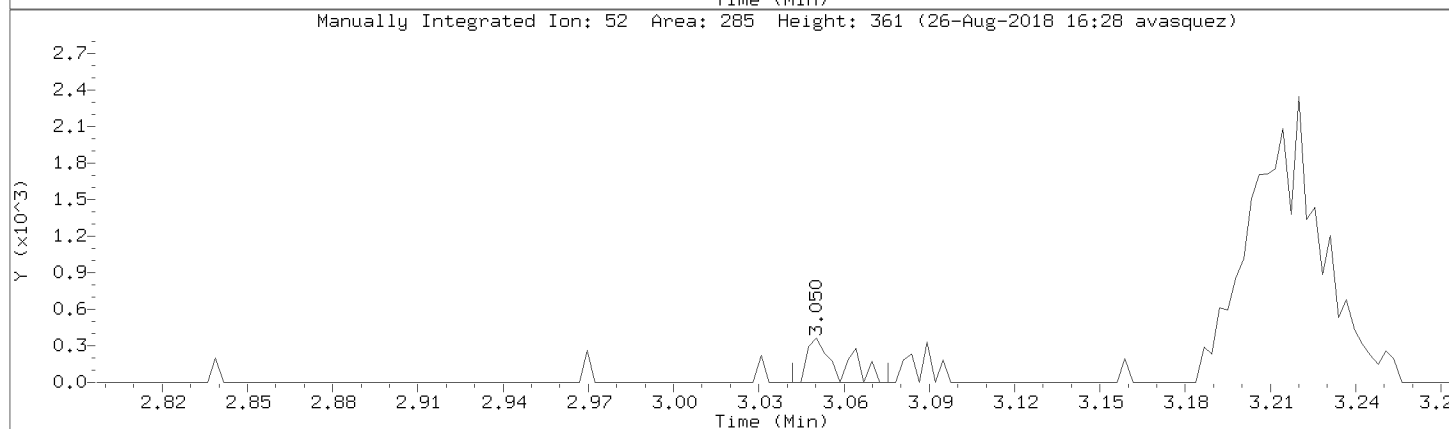
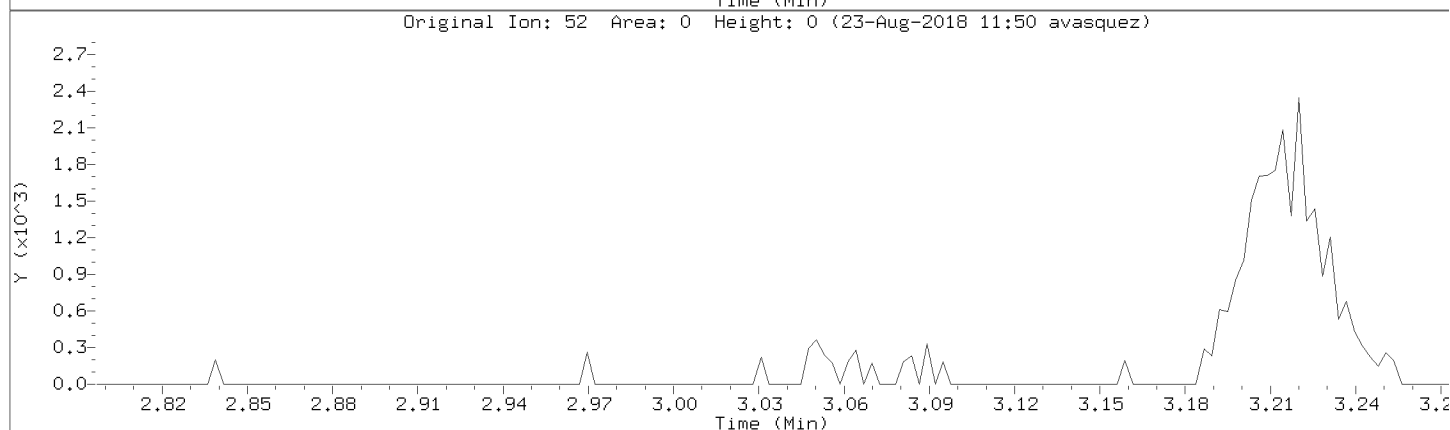
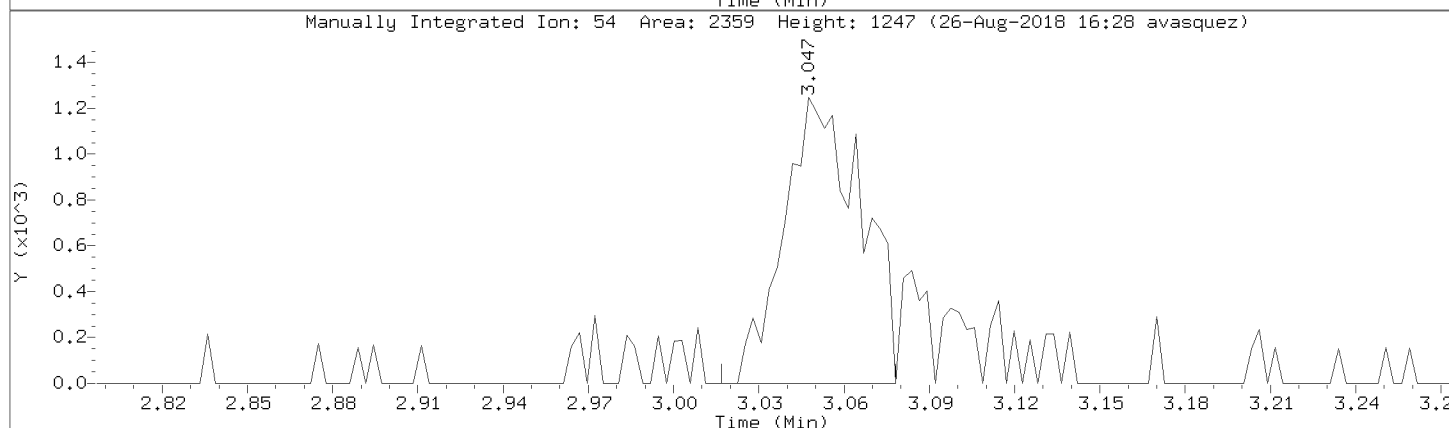
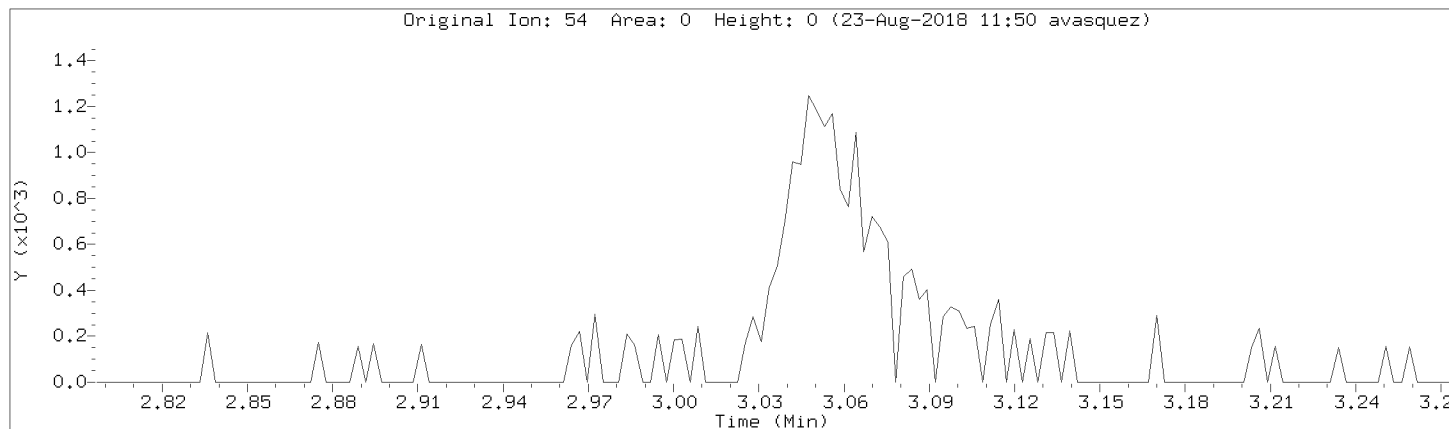


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a06cal.d
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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5

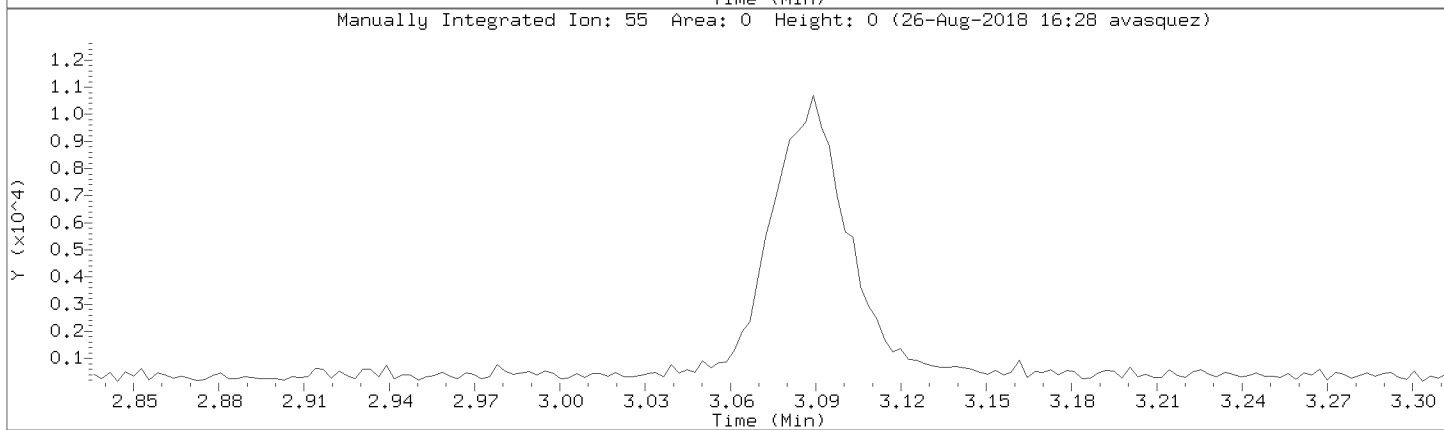
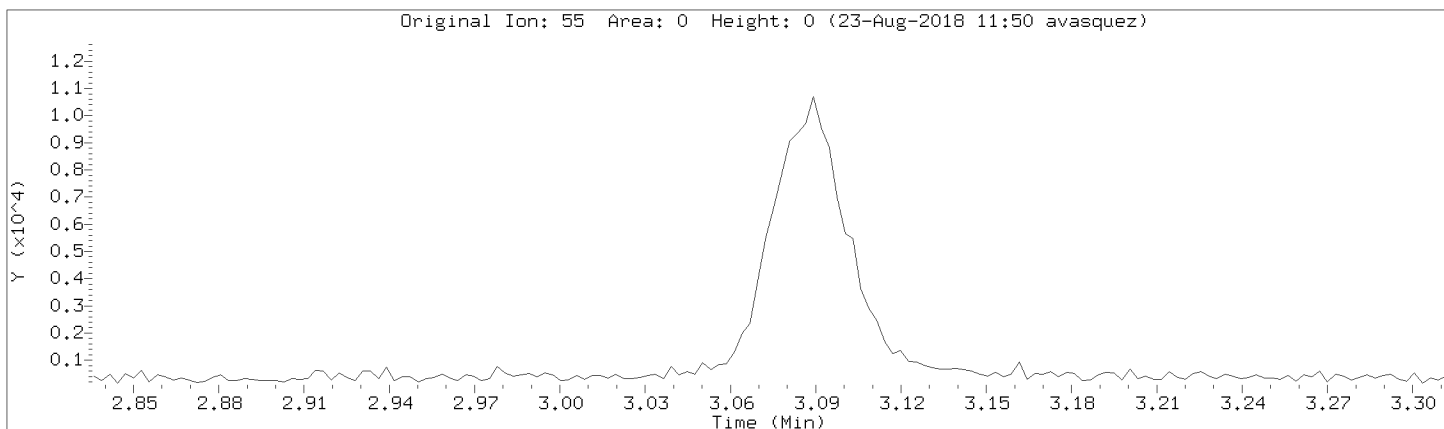


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a06cal.d
Injection Date: 22-AUG-2018 16:29
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5

Compound: Propionitrile Review Code: NI
CAS Number: 107-12-0



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a06cal.d
Injection Date: 22-AUG-2018 16:29
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5



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Injection Date: 22-AUG-2018 16:29

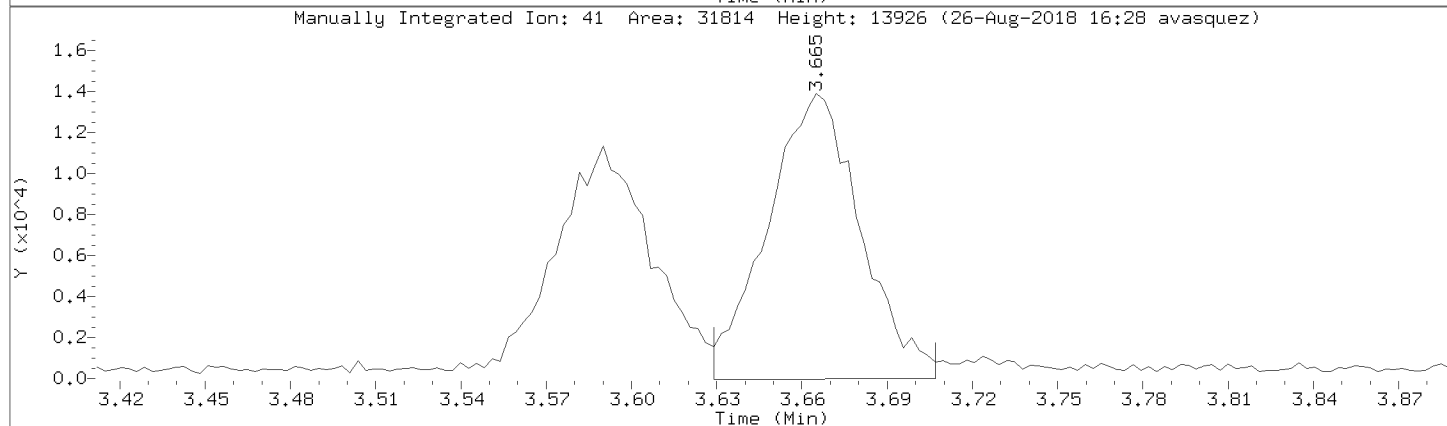
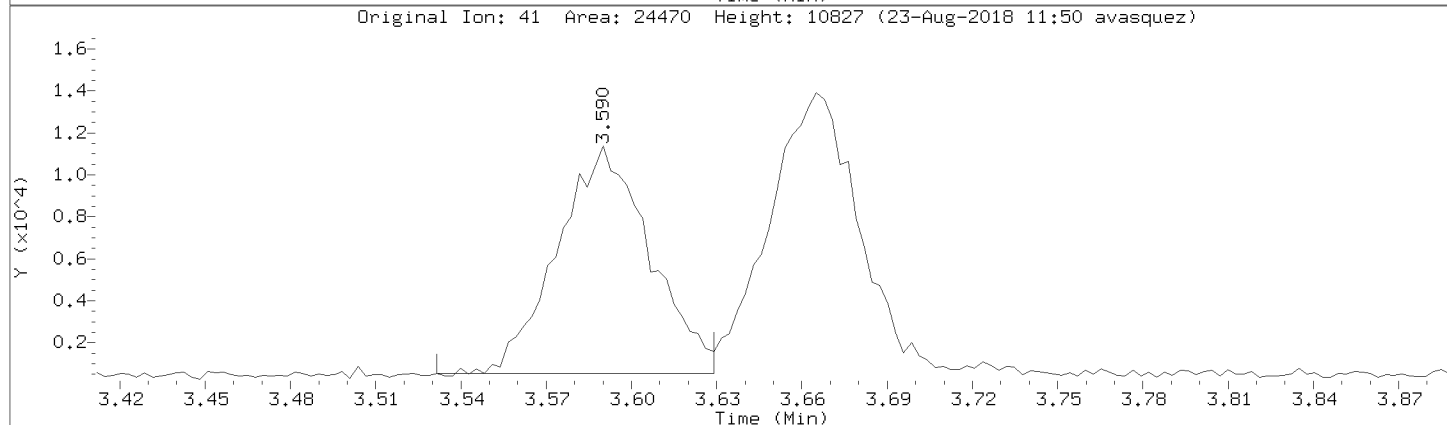
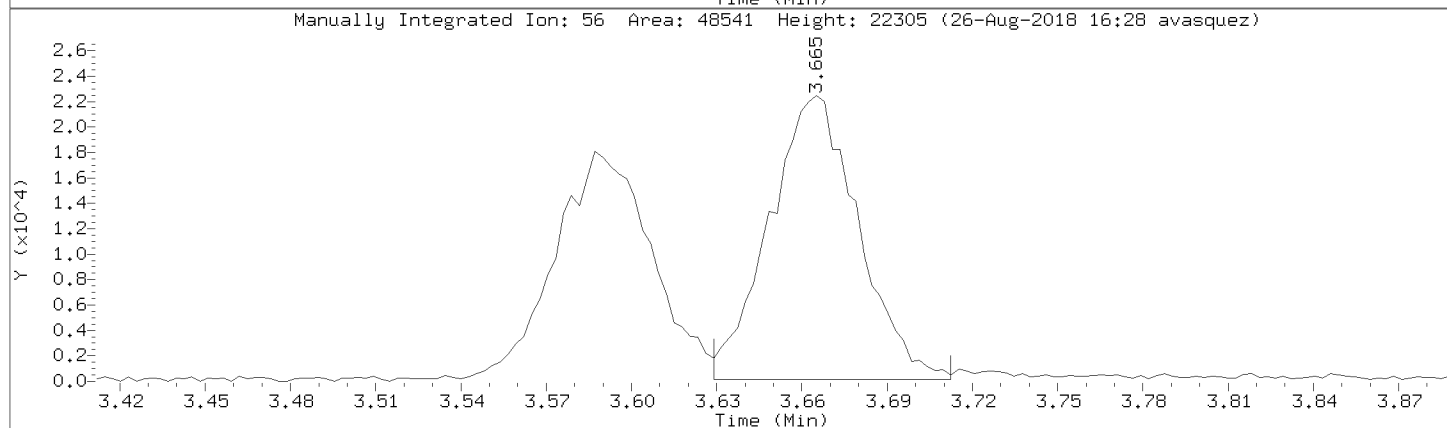
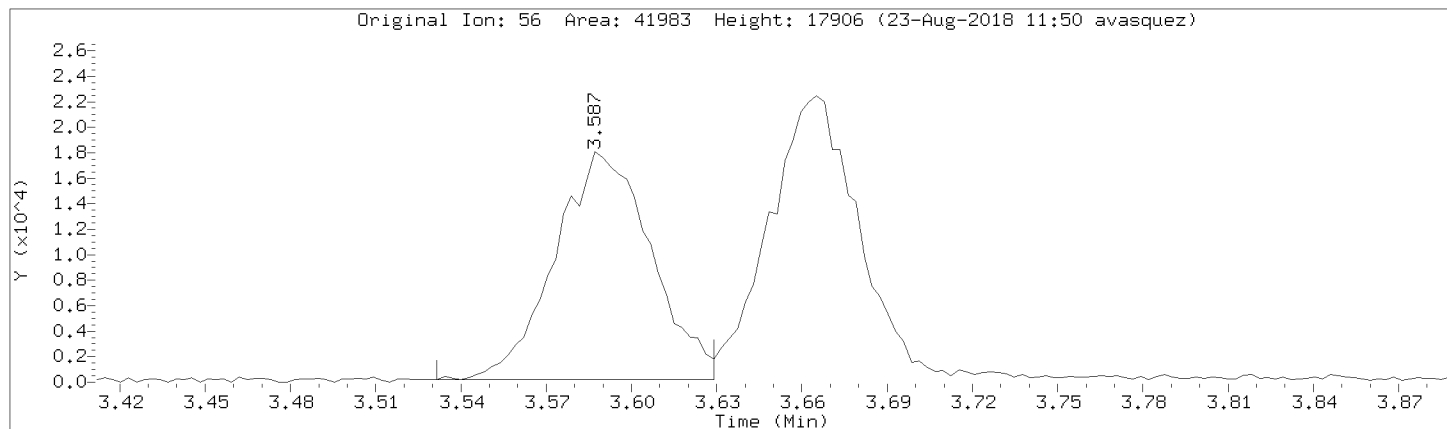
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

Compound: n-butyl chloride

Review Code: WP

CAS Number: 109-69-3



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a082218.b\a07cal.d
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 Inj Date : 22-AUG-2018 17:02
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 8260-cal6,184424:0
 Misc Info : 117473
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a082218.b\ -a8260_a_c.m
 Meth Date : 26-Aug-2018 16:30 50mv2a.i Quant Type: ISTD
 Cal Date : 15-AUG-2018 18:27 Cal File: a08cal.d
 Als bottle: 7 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					REVIEW C	
			MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ppb)
1 Dichlorodifluoromethane	85		0.927	0.927	(0.213)	103302	50.0000	50.3	
2 Chloromethane	50		1.030	1.032	(0.236)	77865	50.0000	44.3 (MH)	WP
3 Vinyl Chloride	62		1.069	1.069	(0.245)	97629	50.0000	44.2	
4 Bromomethane	94		1.230	1.230	(0.282)	29169	50.0000	43.0	
5 Chloroethane	64		1.278	1.277	(0.293)	56858	50.0000	50.3	
6 Trichlorofluoromethane	101		1.403	1.402	(0.322)	115435	50.0000	44.1	
7 Diethyl ether	74		1.539	1.539	(0.353)	49409	50.0000	45.5	
8 1,2-dichlorotrifluoroethane	67		1.537	1.536	(0.352)	98599	50.0000	53.6	
9 Acrolein	56		1.614	1.614	(0.370)	351842	1000.00	840 (M)	NI
10 1,1,2trichlorotrifluoroethane	101		1.667	1.667	(0.382)	85094	50.0000	50.2	
11 1,1-Dichloroethene	96		1.676	1.675	(0.384)	78661	50.0000	46.1	
12 Acetone	43		1.695	1.695	(0.389)	124264	250.000	257	
13 Iodomethane	142		1.770	1.770	(0.406)	191417	100.000	99.5	
14 Carbon Disulfide	76		1.815	1.814	(0.416)	239946	50.0000	47.6	
15 Methyl Acetate	43		1.695	1.695	(0.389)	125181	50.0000	51.4	
16 Acetonitrile	39		1.882	1.881	(0.431)	223671	50.0000	41.2 (M)	NI
17 allyl chloride	41		1.882	1.881	(0.431)	347577	100.000	97.2 (M)	
18 Methylene Chloride	84		1.957	1.956	(0.448)	82751	50.0000	50.1	
19 tert-Butyl Alcohol	59		2.004	2.003	(0.459)	13960	100.000	90.7 (M)	GT
20 Acrylonitrile	53		2.115	2.112	(0.485)	146728	200.000	192 (M)	NI
21 Methyl-tert-butyl ether	73		2.132	2.134	(0.489)	259353	50.0000	49.4	
22 1,2-Dichloroethene (trans)	96		2.140	2.140	(0.491)	90012	50.0000	48.1 (M)	NI
23 n-Hexane	57		2.335	2.335	(0.535)	182629	50.0000	50.2	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
24 Vinyl Acetate	43	2.485	2.485	(0.570)	1029331	200.000	177 (M)	WP
25 1,1-Dichloroethane	63	2.455	2.454	(0.563)	178047	50.0000	50.1	
26 Chloroprene	53	2.530	2.529	(0.580)	191930	50.0000	47.6	
27 Ethyl acetate	88	2.530	2.529	(0.580)	83002	400.000	406 (M)	WP
28 2-Butanone	72	2.981	2.983	(0.683)	43620	250.000	254 (M)	GT
29 1,2-Dichloroethene (cis)	96	2.972	2.969	(0.681)	97321	50.0000	47.1	
30 2,2-Dichloropropane	77	2.972	2.972	(0.681)	147298	50.0000	48.0 (M)	NI
31 Propionitrile	54	3.056	3.047	(0.700)	12839	50.0000	51.2 (Q)	
32 Methacrylonitrile	41	3.211	3.214	(0.736)	70033	50.0000	50.2	
33 Bromochloromethane	49	3.223	3.219	(0.739)	77894	50.0000	47.4	
34 Tetrahydrofuran	42	3.273	3.269	(0.750)	33613	50.0000	51.1	
35 Chloroform	83	3.312	3.311	(0.759)	157352	50.0000	44.5	
\$ 36 Dibromofluoromethane (S)	113	3.498	3.503	(0.802)	82712	50.0000	49.1	
37 1,1,1-Trichloroethane	97	3.523	3.523	(0.807)	149162	50.0000	48.9	
38 cyclohexane	56	3.590	3.587	(0.823)	200353	50.0000	47.9	
150 n-butyl chloride	56	3.665	3.662	(0.840)	227926	50.0000	45.9 (MH)	WP
39 Carbon Tetrachloride	117	3.732	3.728	(0.855)	135211	50.0000	49.4	
40 1,1-Dichloropropene	75	3.732	3.734	(0.855)	132701	50.0000	51.5	
41 Benzene	78	4.004	4.004	(0.918)	358134	50.0000	48.8	
42 1,2-Dichloroethane	62	4.032	4.032	(0.924)	124824	50.0000	46.4	
43 2,2,4-Trimethylpentane	57	4.121	4.121	(0.945)	424179	50.0000	49.9 (M)	NI
44 Isobutyl alcohol	43	3.929	3.662	(0.901)	26826	450.000	503 (QM)	NI
* 45 Fluorobenzene	96	4.363	4.363	(1.000)	377181	50.0000		
46 isopropyl acetate	61	4.138	4.146	(0.948)	149245	200.000	204 (M)	NI
47 Trichloroethene	95	4.808	4.802	(1.102)	97367	50.0000	48.7	
48 Methylcyclohexane	55	5.020	5.022	(1.150)	174691	50.0000	49.6 (M)	NI
49 1,2-Dichloropropane	63	5.067	5.067	(1.161)	96731	50.0000	49.7	
50 1,4-Dioxane	88	5.245	5.245	(1.202)	4420	1000.00	749 (M)	LT
51 Dibromomethane	93	5.201	5.200	(1.192)	51365	50.0000	50.3	
52 Methyl methacrylate	69	5.251	5.248	(1.203)	67599	50.0000	45.9 (M)	NI
53 Bromodichloromethane	83	5.398	5.398	(1.237)	123932	50.0000	46.4	
54 2-Chloroethyl vinyl ether	63	5.768	5.771	(0.765)	136154	100.000	98.5	
55 cis-1,3-Dichloropropene	75	5.905	5.907	(0.783)	149430	50.0000	49.6	
56 4-Methyl-2-Pentanone	43	6.097	6.099	(0.809)	572000	250.000	245	
\$ 57 Toluene-d8	98	6.188	6.188	(0.821)	352152	50.0000	50.8	
58 Toluene	91	6.261	6.260	(0.830)	403117	50.0000	47.3 (M)	NI
59 trans-1,3-Dichloropropene	75	6.514	6.513	(0.864)	140253	50.0000	49.7	
60 Ethyl Methacrylate	69	6.634	6.633	(0.880)	130828	50.0000	49.7	
61 1,1,2-Trichloroethane	83	6.686	6.689	(0.887)	62556	50.0000	50.2 (M)	
62 Tetrachloroethene	166	6.803	6.806	(0.902)	117174	50.0000	51.2	
63 1,3-Dichloropropane	76	6.842	6.845	(0.907)	139075	50.0000	50.1	
64 2-Hexanone	43	6.945	6.945	(0.921)	388965	250.000	236	
65 Dibromochloromethane	129	7.045	7.045	(0.934)	95905	50.0000	51.4	
66 1,2-Dibromoethane	107	7.137	7.134	(0.947)	79267	50.0000	51.0	
* 67 Chlorobenzene-d5	117	7.541	7.540	(1.000)	283366	50.0000		
68 Chlorobenzene	112	7.563	7.565	(1.003)	249013	50.0000	50.6	
69 1,1,1,2-Tetrachloroethane	131	7.641	7.640	(1.013)	93637	50.0000	49.1	
70 Ethylbenzene	106	7.663	7.663	(1.016)	139736	50.0000	48.8	
71 m&p-Xylene	106	7.760	7.763	(1.029)	343830	100.000	96.5	
72 o-Xylene	106	8.069	8.072	(1.070)	162232	50.0000	49.8	
73 Styrene	104	8.083	8.083	(1.072)	277856	50.0000	50.2	
74 Bromoform	173	8.217	8.219	(0.887)	65511	50.0000	47.7	
75 Isopropylbenzene	105	8.353	8.353	(1.108)	447153	50.0000	48.0	
\$ 76 4-Bromofluorobenzene	95	8.462	8.461	(1.122)	133417	50.0000	50.3	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
77 n-amyl acetate	70	8.239	8.241	(1.093)	256438	200.000	192	
78 Bromobenzene	77	8.564	8.567	(1.136)	161195	50.0000	49.5	
79 1,1,2,2-Tetrachloroethane	83	8.578	8.575	(0.926)	98396	50.0000	44.9	
80 trans-1,4-Dichloro-2-butene	53	8.615	8.614	(1.142)	37987	50.0000	49.8	
81 1,2,3-Trichloropropane	110	8.601	8.603	(0.928)	31727	50.0000	46.2	
82 n-Propylbenzene	91	8.651	8.650	(0.933)	532764	50.0000	48.8	
83 2-Chlorotoluene	91	8.709	8.709	(0.940)	301271	50.0000	50.4	
84 1,3,5-Trimethylbenzene	105	8.776	8.775	(0.947)	353916	50.0000	47.0	
85 4-Chlorotoluene	126	8.784	8.787	(0.948)	103118	50.0000	49.6	
86 tert-Butylbenzene	119	9.001	9.004	(0.971)	418054	50.0000	47.8	
87 1,2,4-Trimethylbenzene	105	9.032	9.034	(0.974)	352746	50.0000	46.8	
88 sec-Butylbenzene	105	9.149	9.151	(0.987)	467928	50.0000	48.1	
89 1,3-Dichlorobenzene	146	9.224	9.223	(0.995)	201709	50.0000	49.1 (H)	WP
90 p-Isopropyltoluene	119	9.246	9.246	(0.998)	404904	50.0000	49.7	
* 91 1,4-Dichlorobenzene-d4	152	9.268	9.268	(1.000)	151640	50.0000		
92 1,4-Dichlorobenzene	146	9.282	9.285	(1.002)	201641	50.0000	48.8	
93 n-Butylbenzene	91	9.516	9.516	(1.027)	361332	50.0000	47.1	
94 1,2-Dichlorobenzene	146	9.533	9.532	(1.029)	181865	50.0000	49.6	
95 1,2-Dibromo-3-chloropropane	155	10.034	10.033	(1.083)	18329	50.0000	49.5	
96 1,2,4-Trichlorobenzene	180	10.545	10.545	(1.138)	130437	50.0000	49.5	
97 Hexachlorobutadiene	225	10.643	10.640	(1.148)	69117	50.0000	50.7	
98 Naphthalene	128	10.701	10.701	(1.155)	308051	50.0000	50.4	
99 1,2,3-Trichlorobenzene	180	10.843	10.845	(1.170)	119680	50.0000	50.6	
100 2-methyl-naphthalene	142	11.422	11.419	(1.232)	150532	50.0000	47.9	
101 1-Methylnaphthalene	142	11.555	11.558	(1.247)	124418	50.0000	49.2	

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

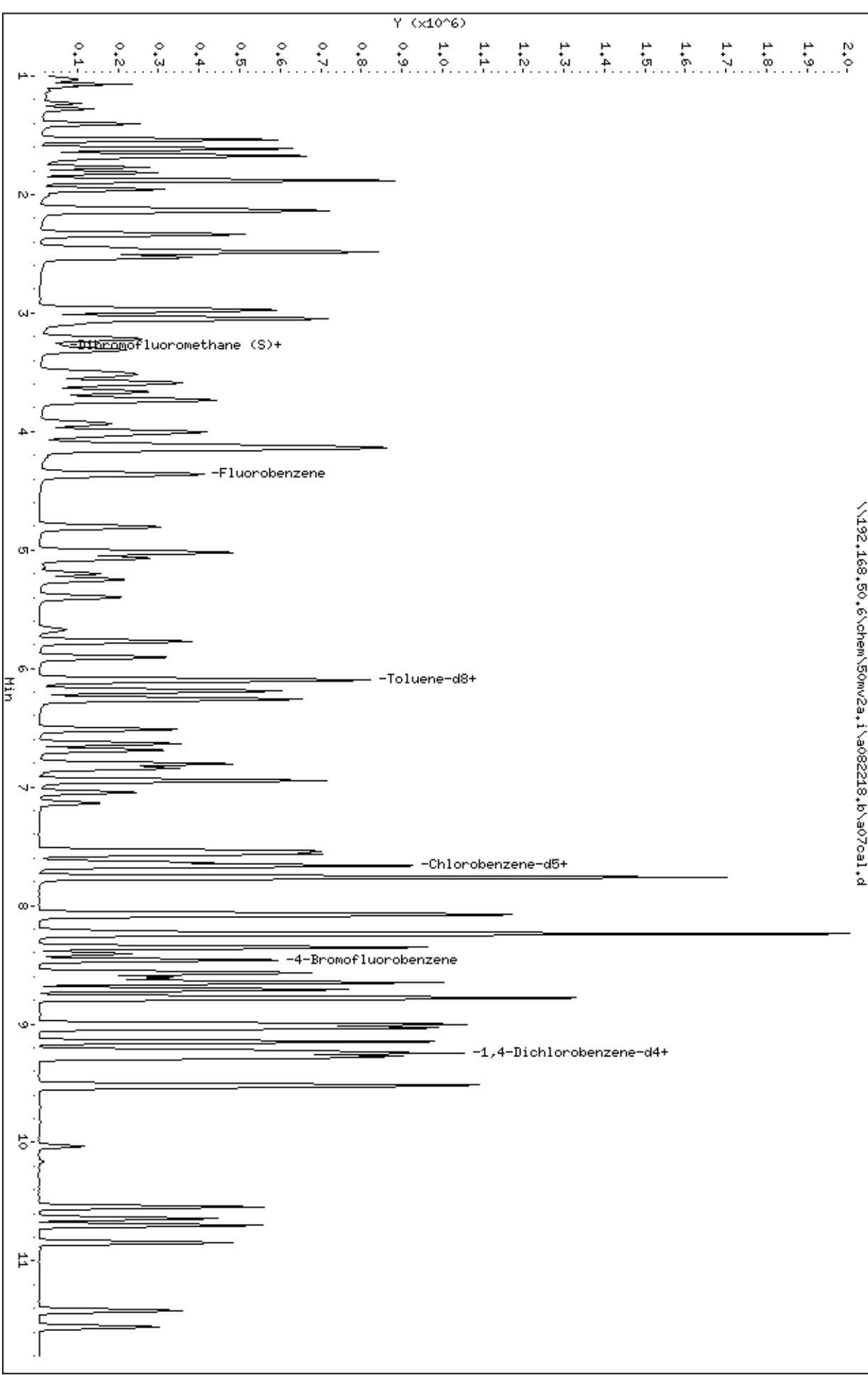
Review Codes Legend

- WP: Indicates that the wrong peak was chosen by the data system.
- NI: Indicates that the peak was not integrated at all by the computer software.
- GT: Indicates that the peak in question was inappropriately integrated to an area greater than it should be (e.g., Peak tailing).
- LT: Indicates that the peak in question was inappropriately integrated to an area less than what it should be (e.g., Peak area was cut).

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Column phase: DB-624

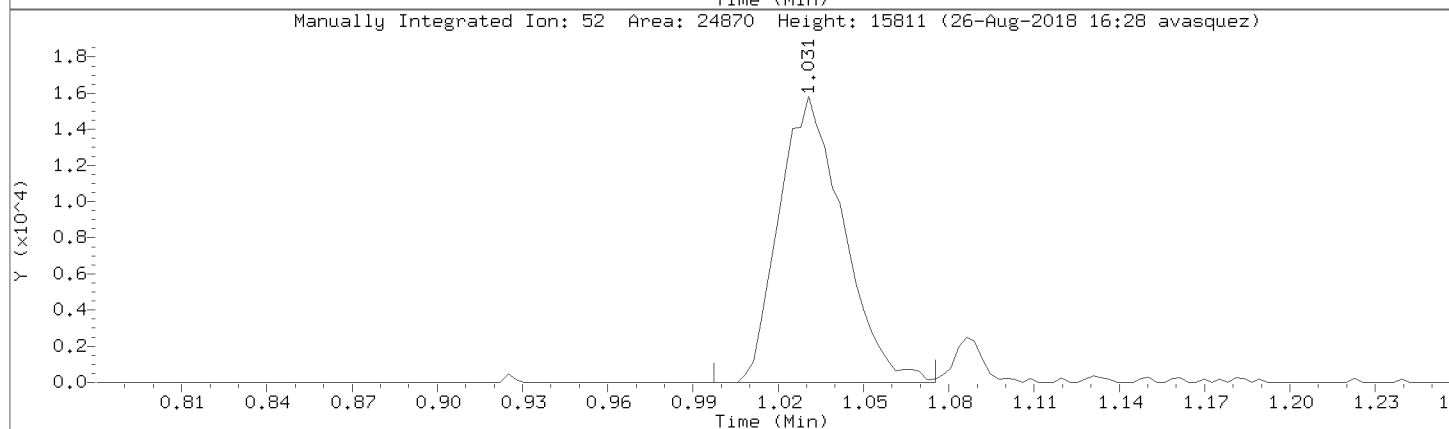
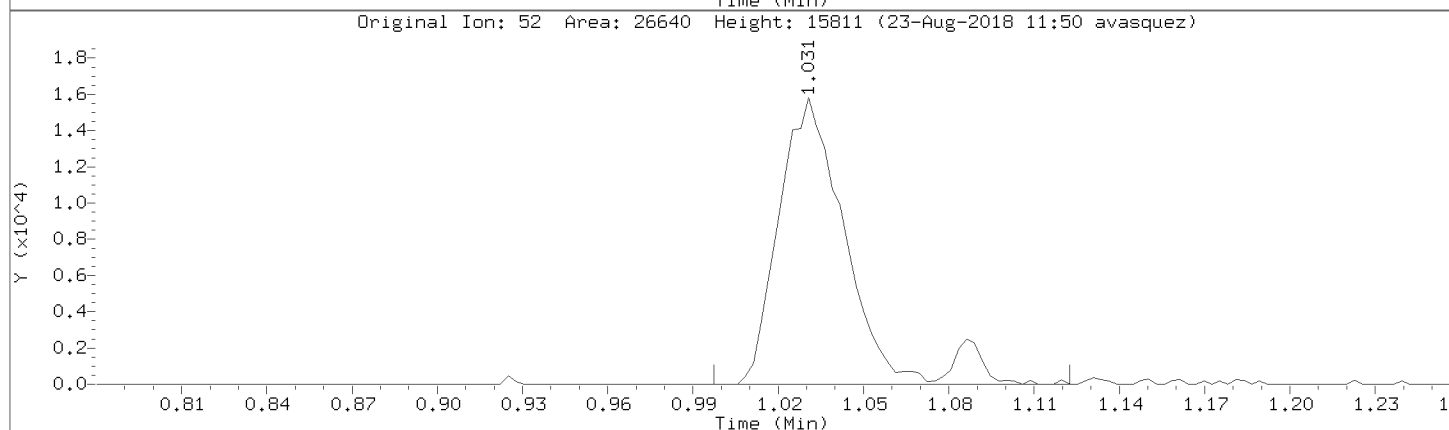
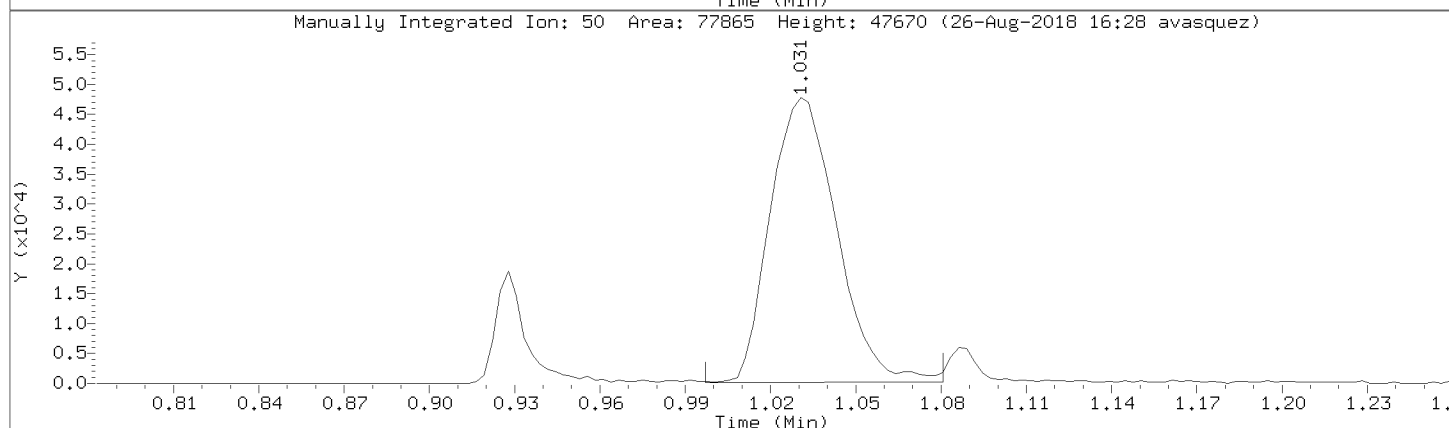
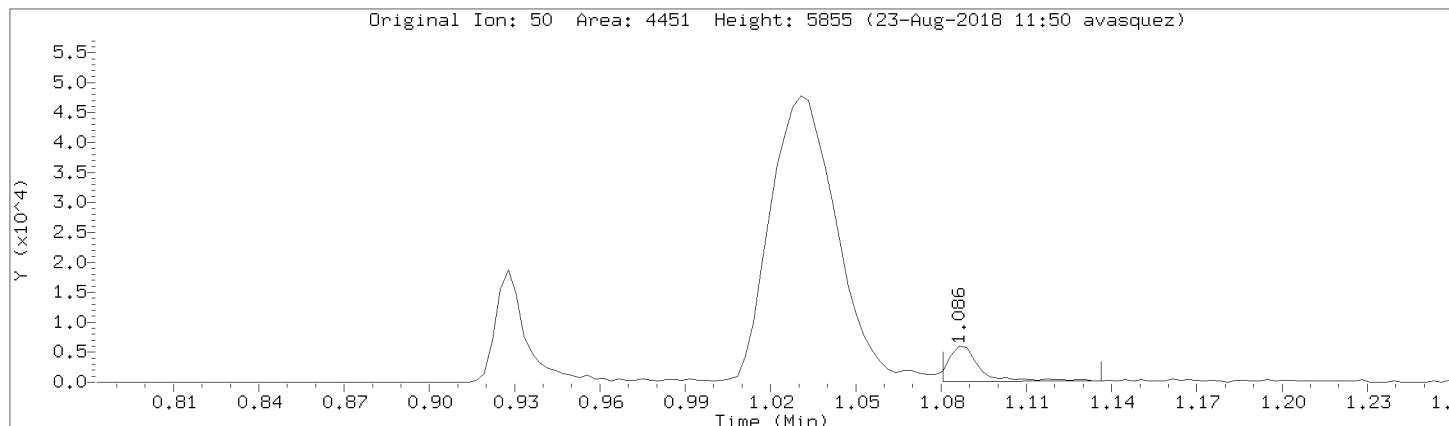
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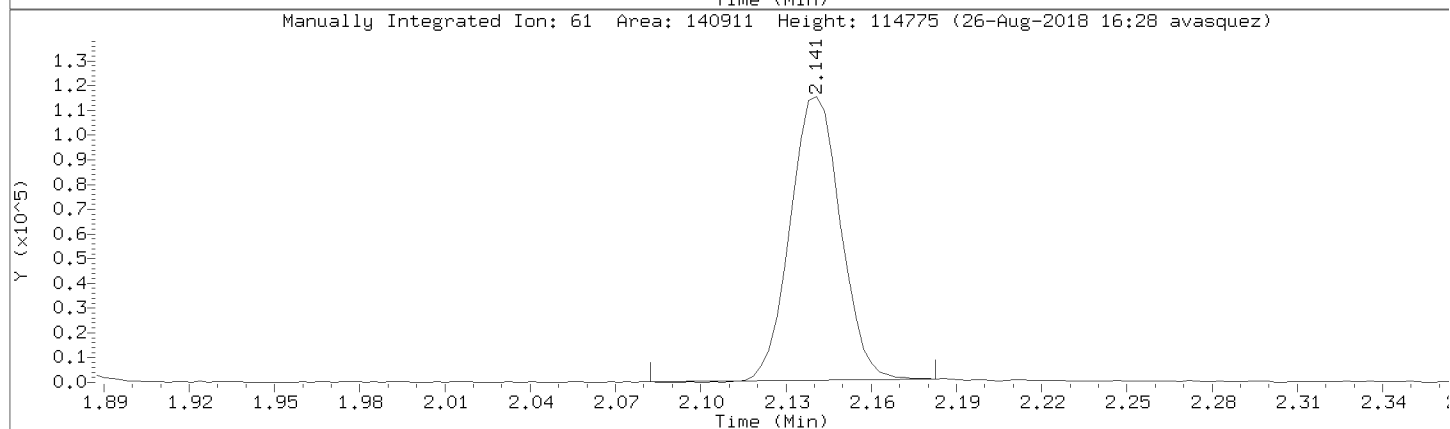
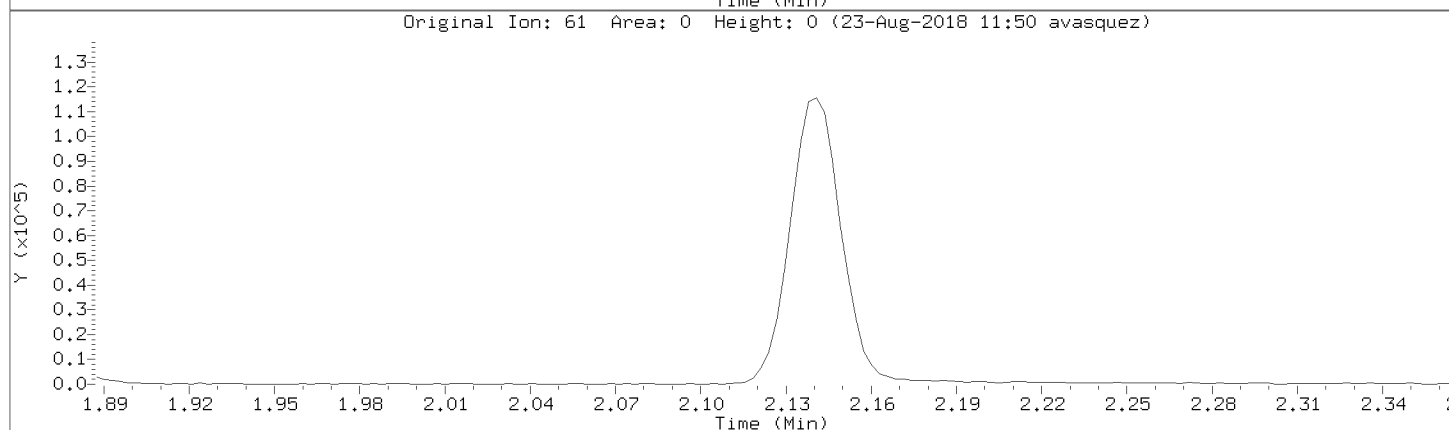
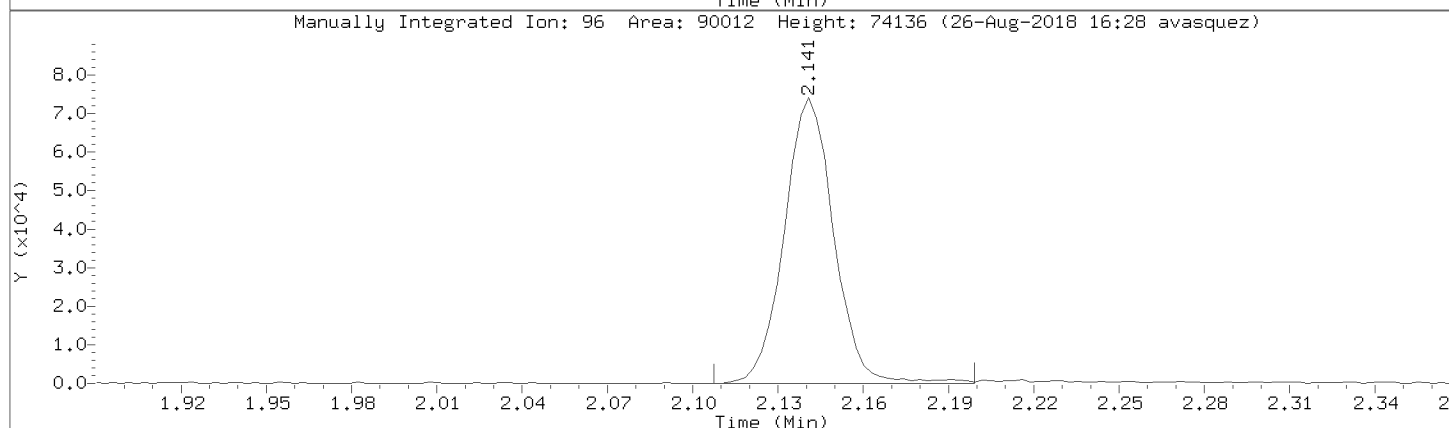
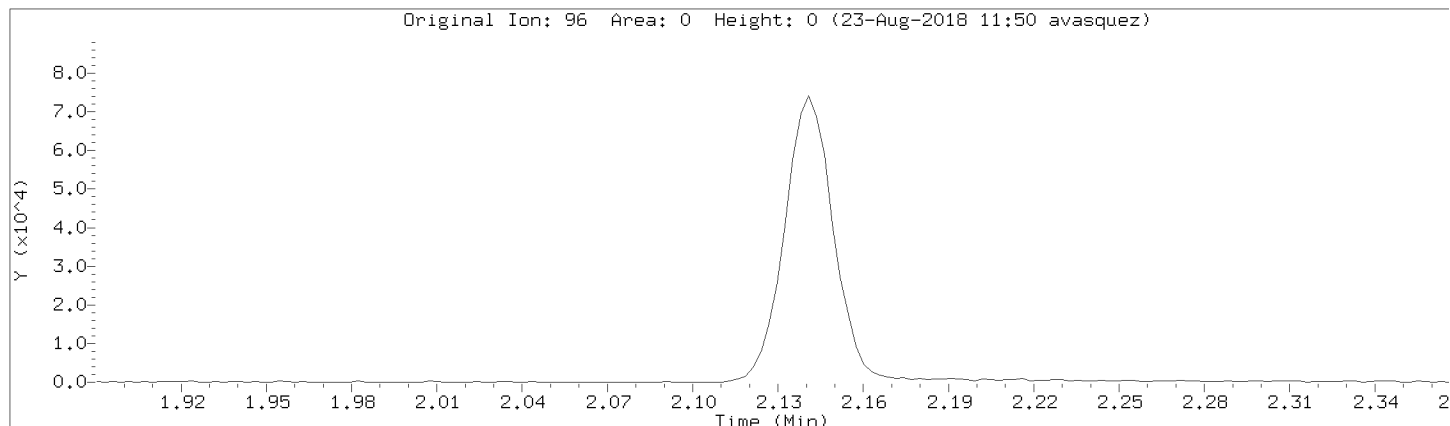
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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6

Compound: Chloromethane Review Code: WP
CAS Number: 74-87-3

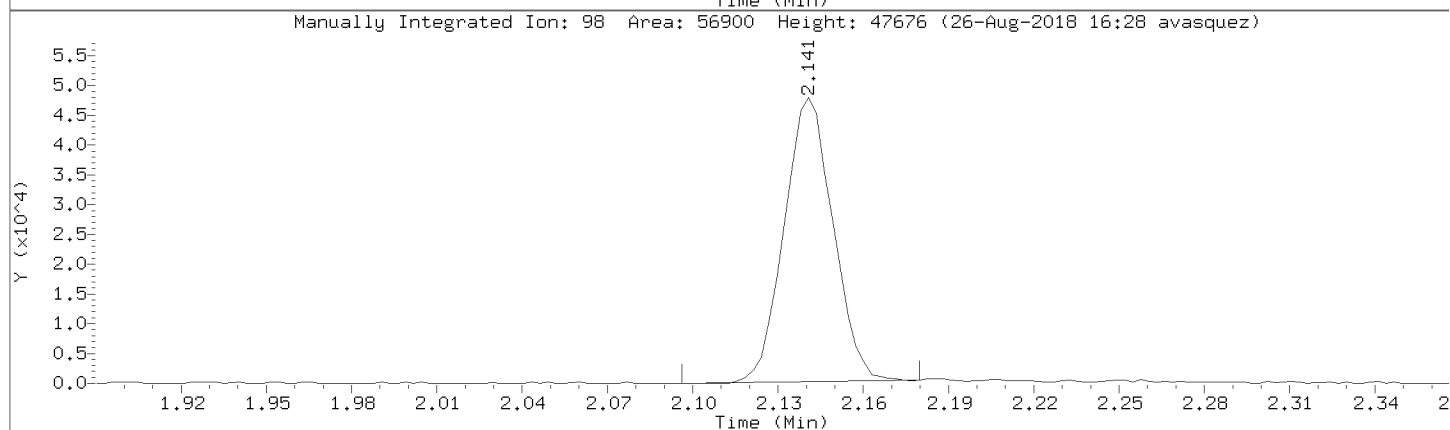
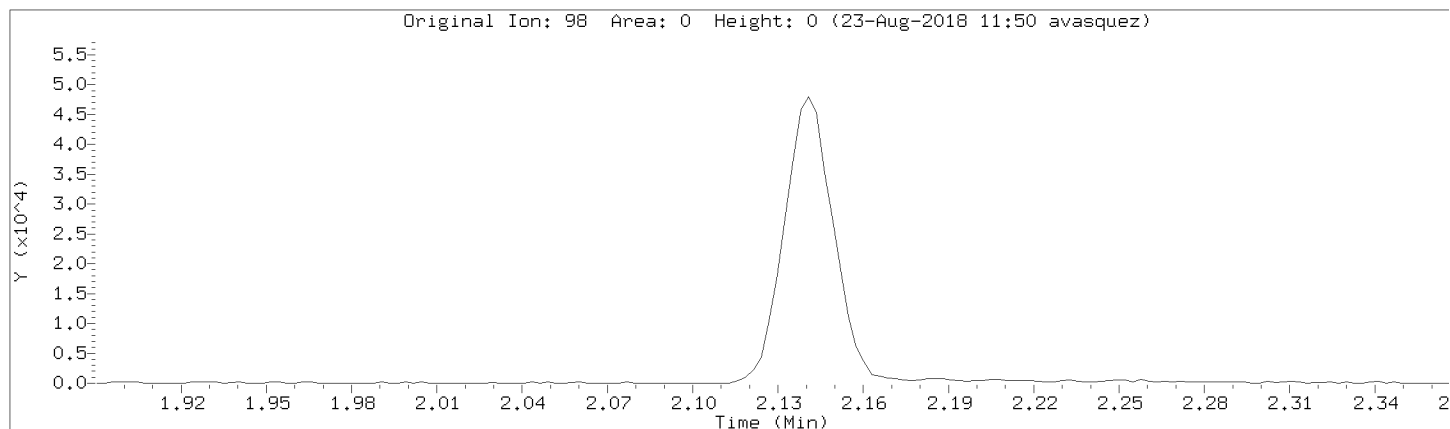


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6

Compound: 1,2-Dichloroethene (trans) Review Code: NI
CAS Number: 156-60-5



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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6



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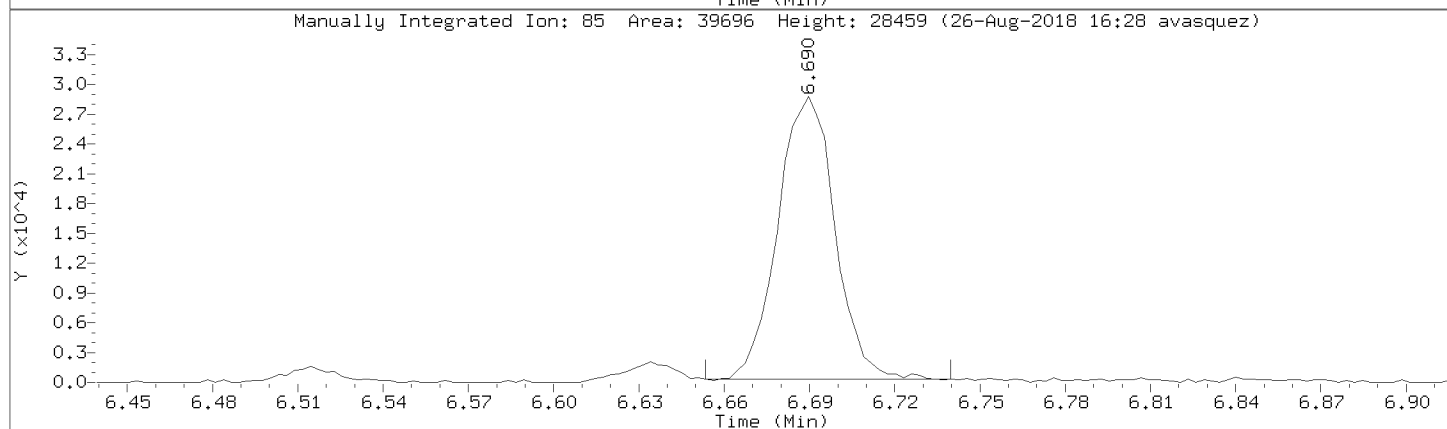
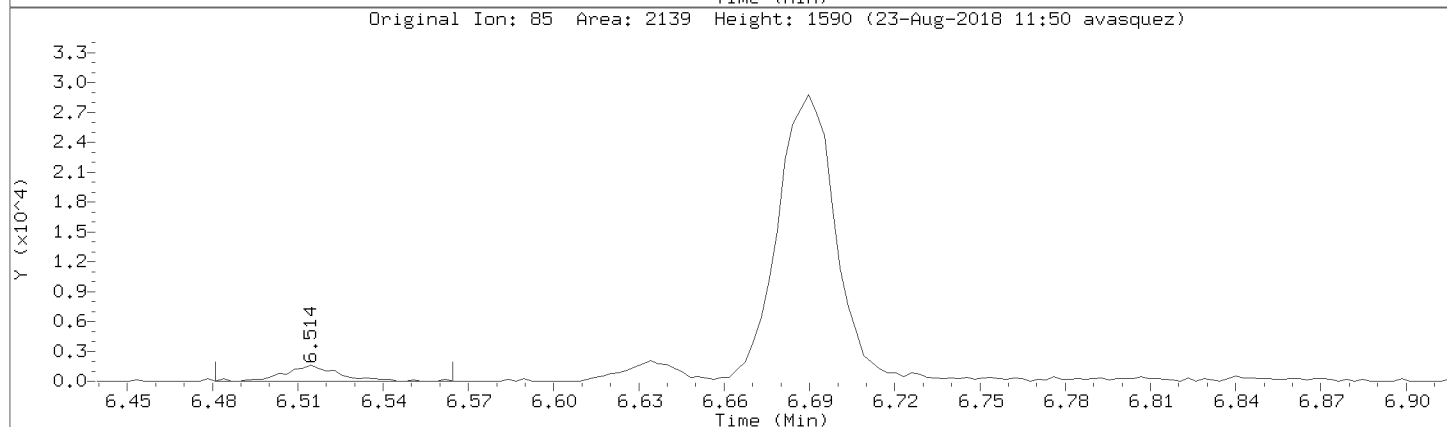
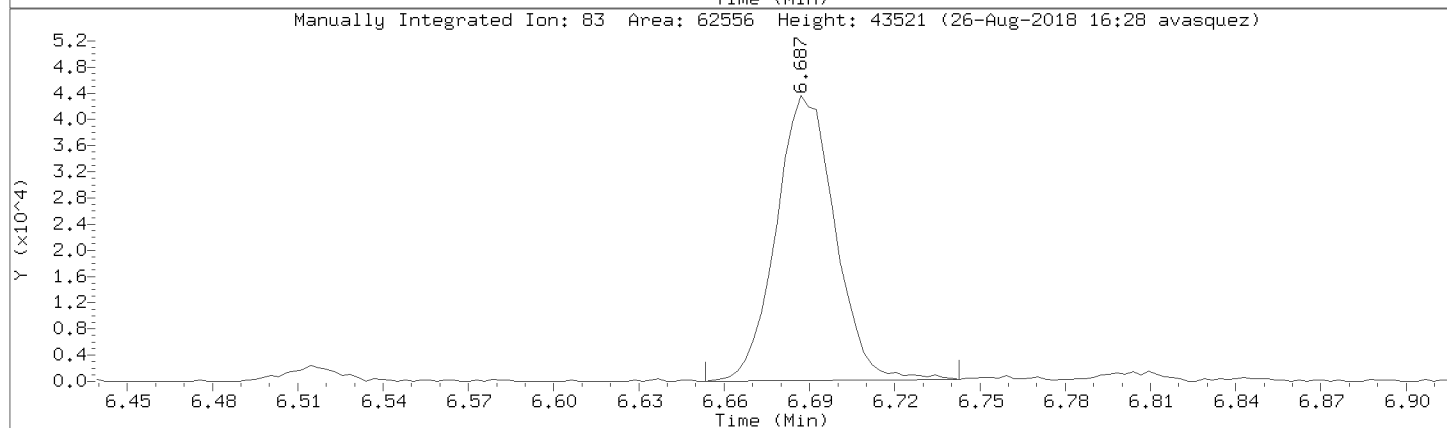
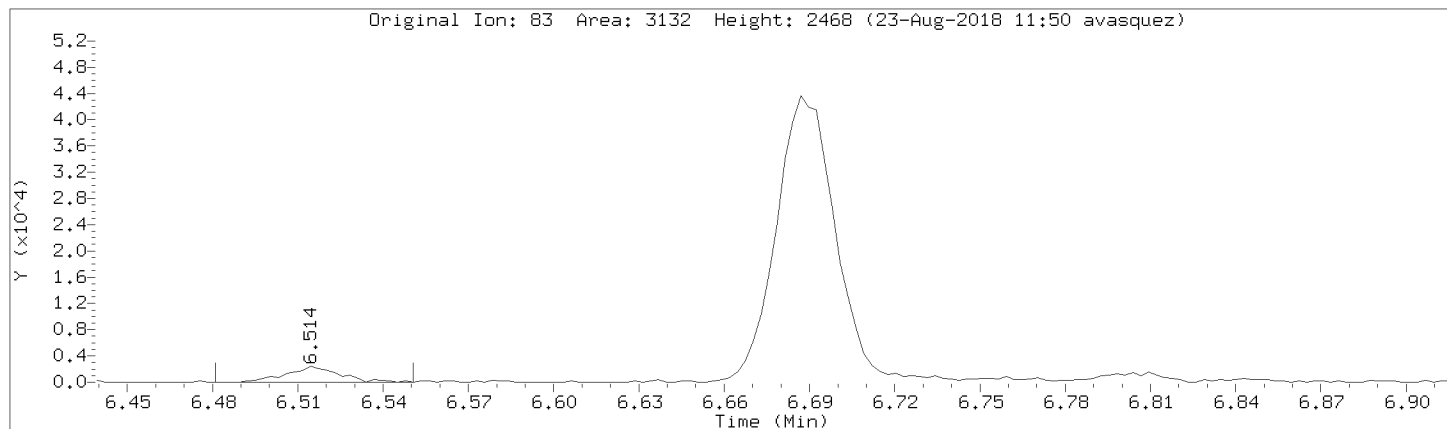
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Lab Sample ID: 8260-CAL6

Compound: 1,1,2-Trichloroethane

Review Code:

CAS Number: 79-00-5

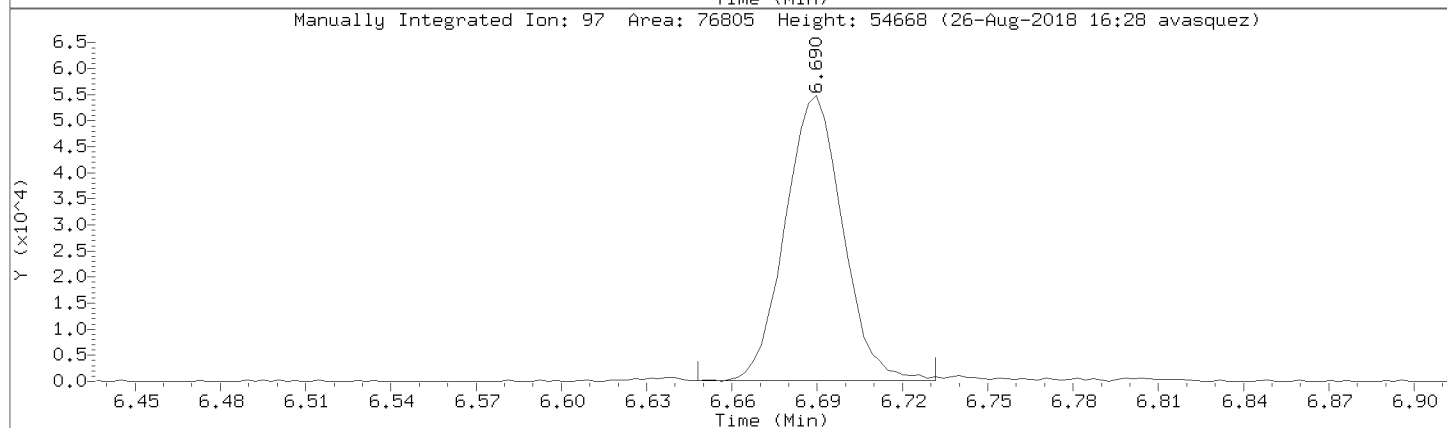
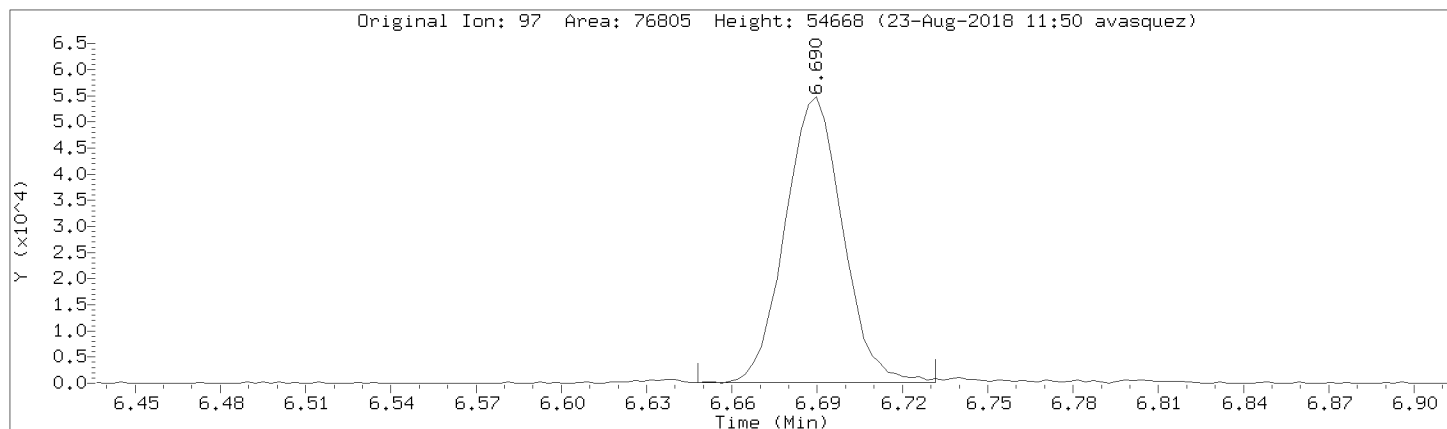


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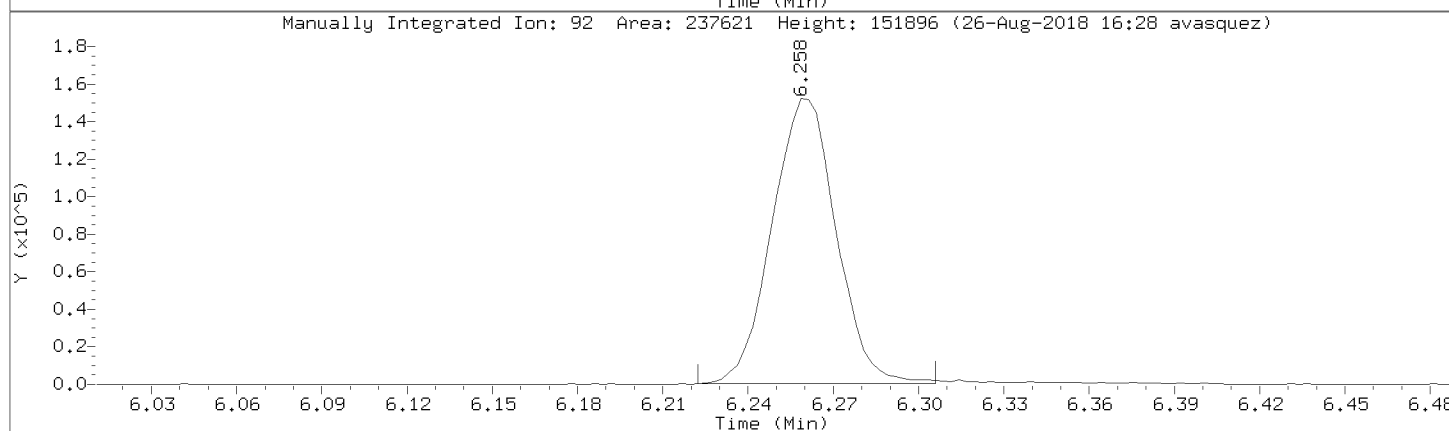
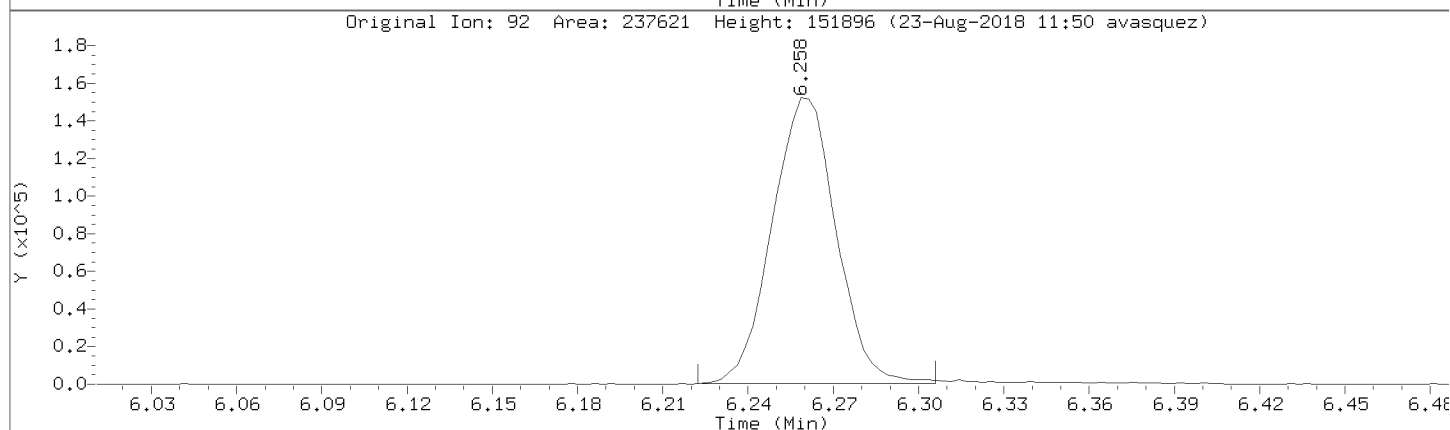
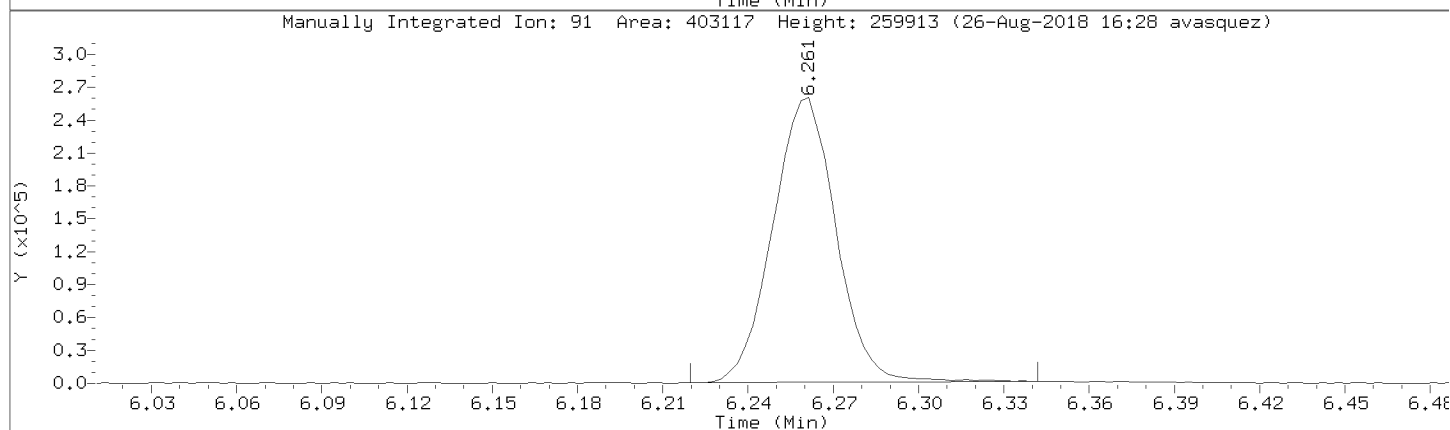
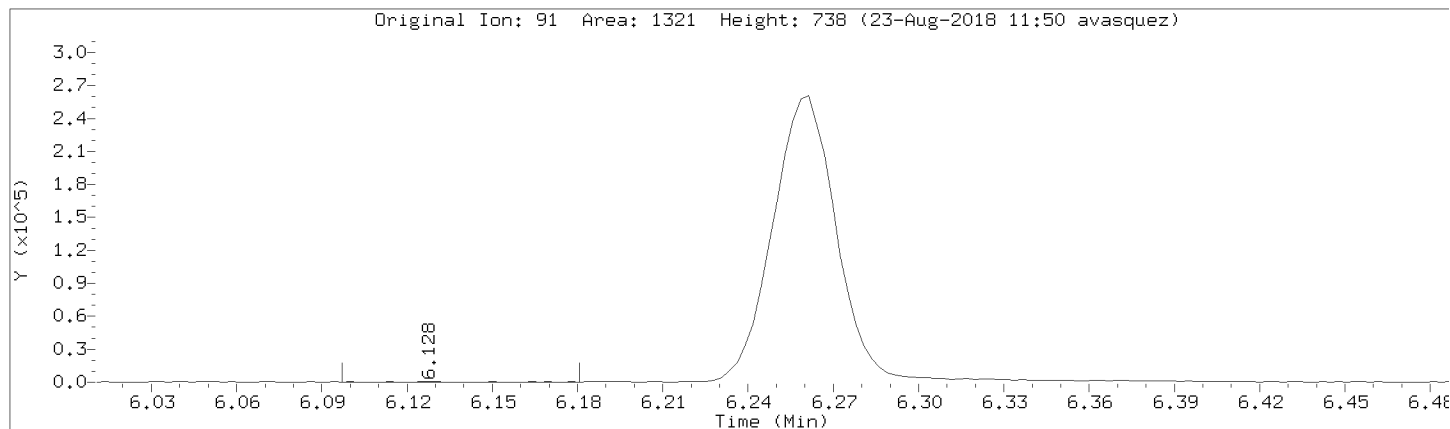
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Lab Sample ID: 8260-CAL6



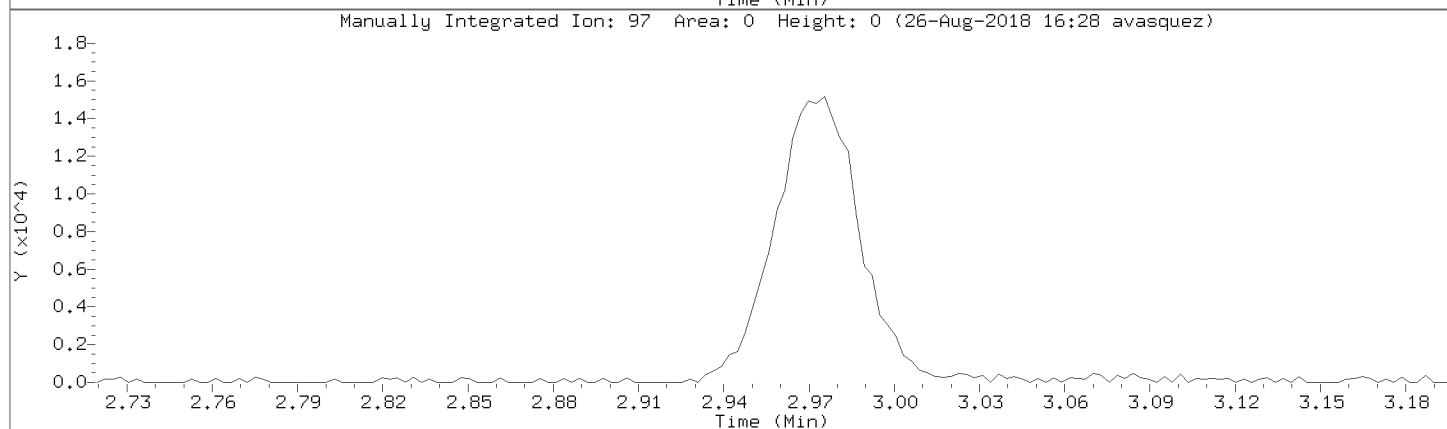
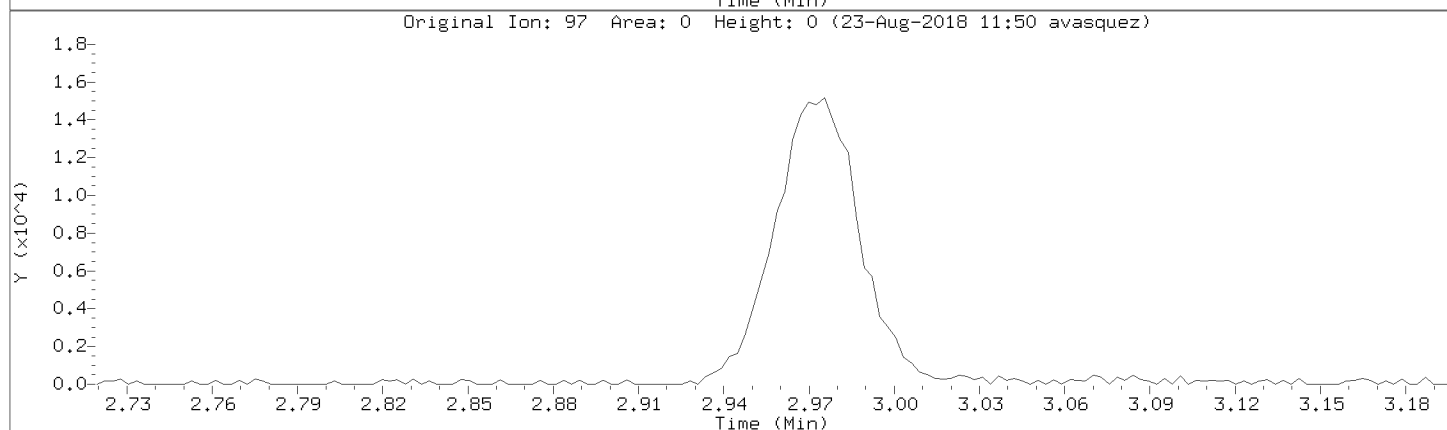
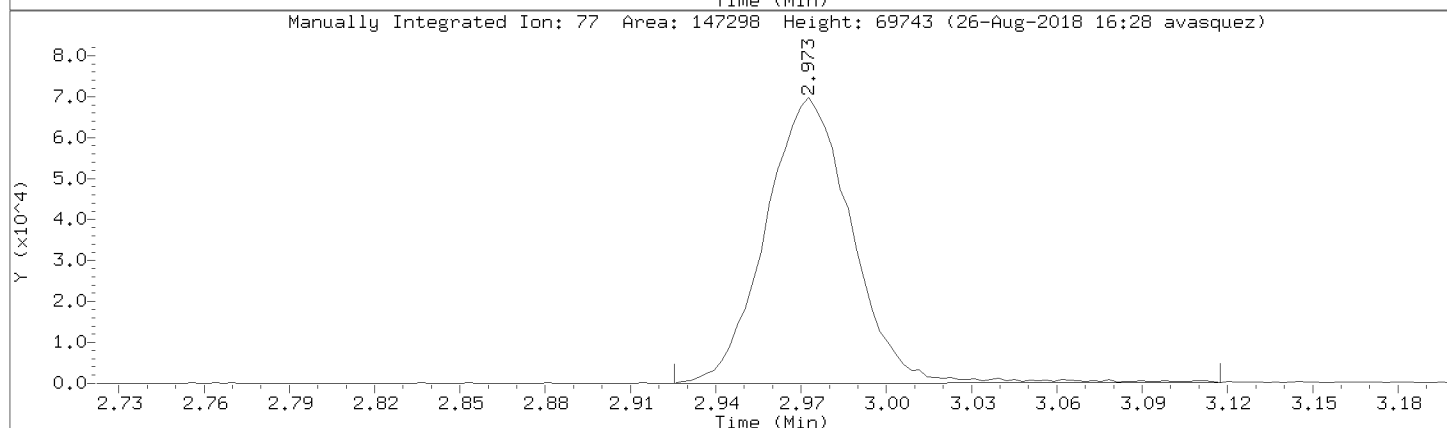
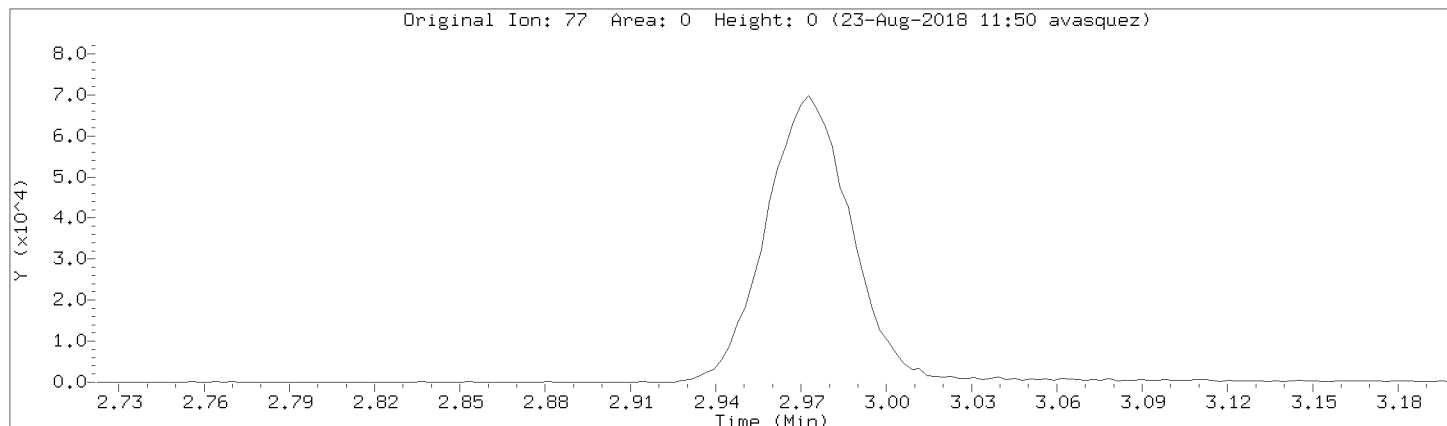
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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6

Compound: Toluene Review Code: NI
CAS Number: 108-88-3



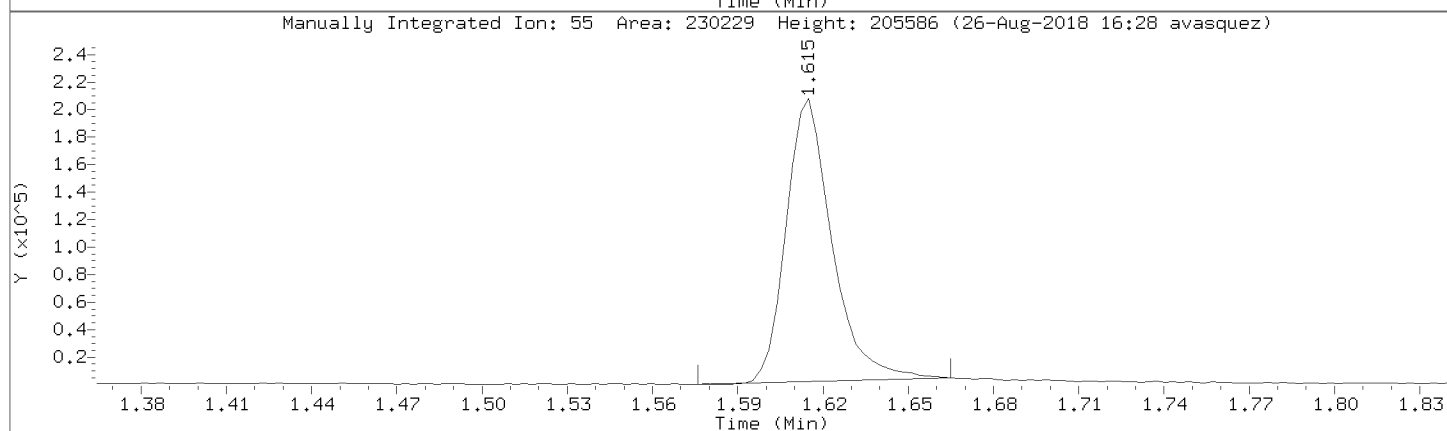
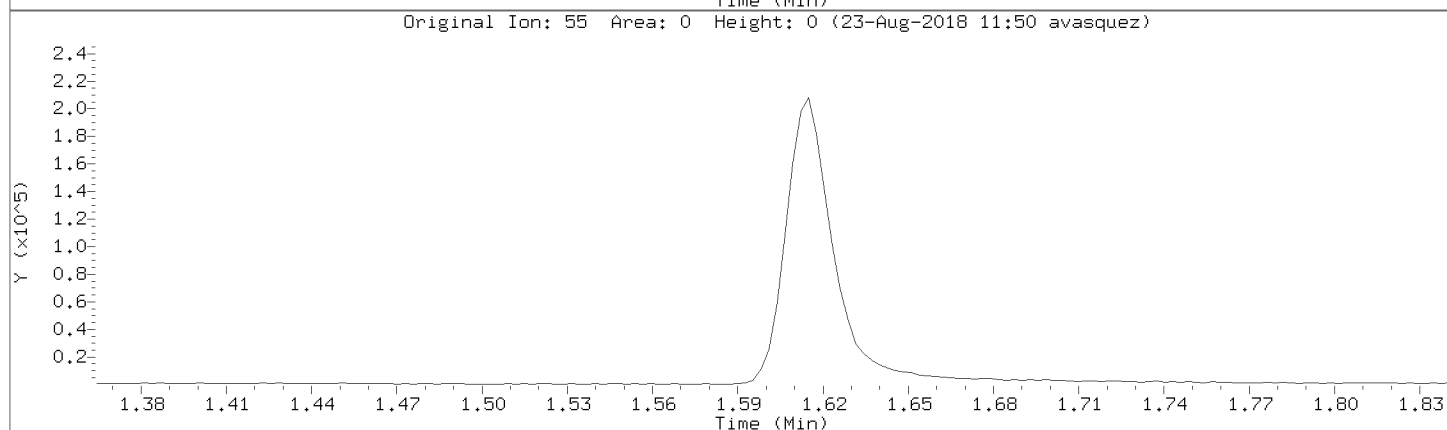
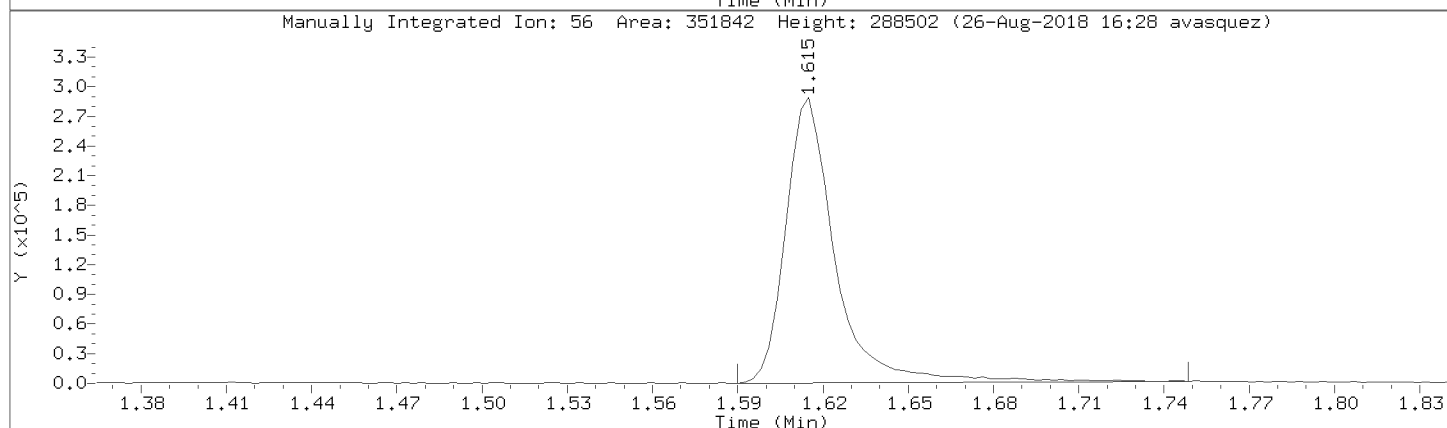
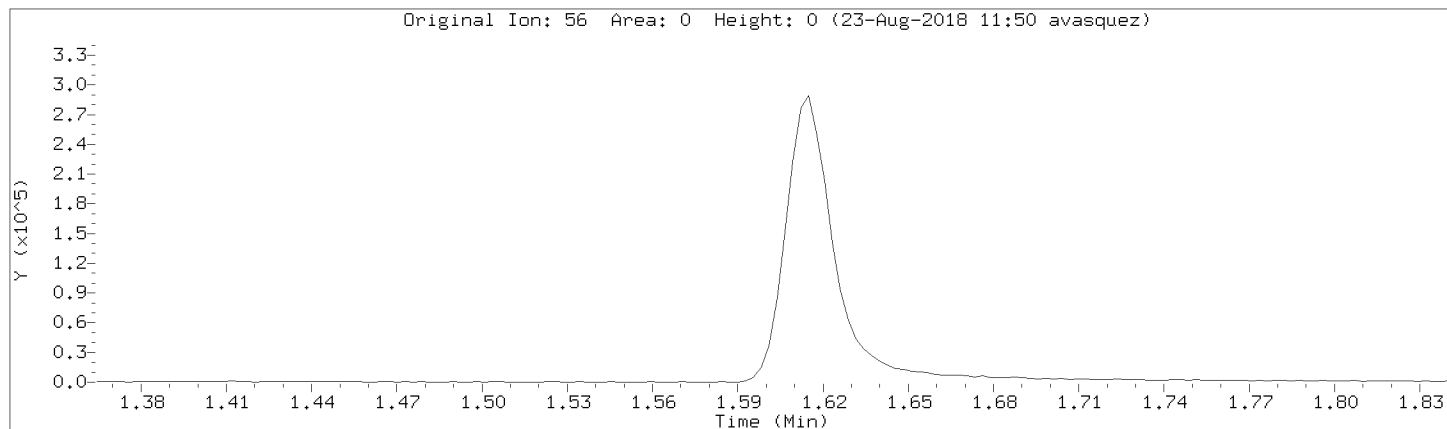
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Injection Date: 22-AUG-2018 17:02
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6

Compound: 2,2-Dichloropropane Review Code: NI
CAS Number: 594-20-7



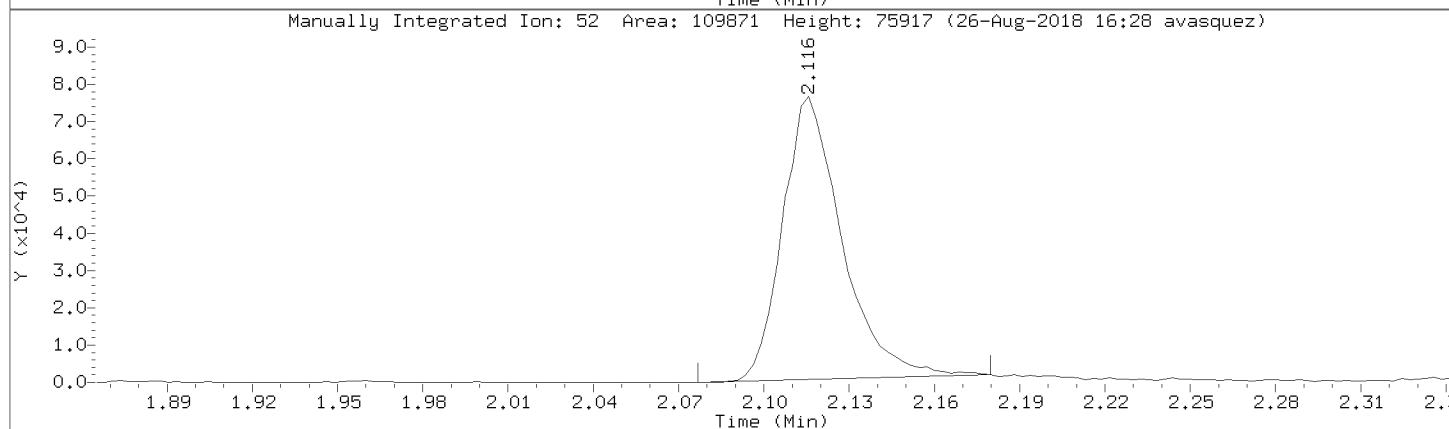
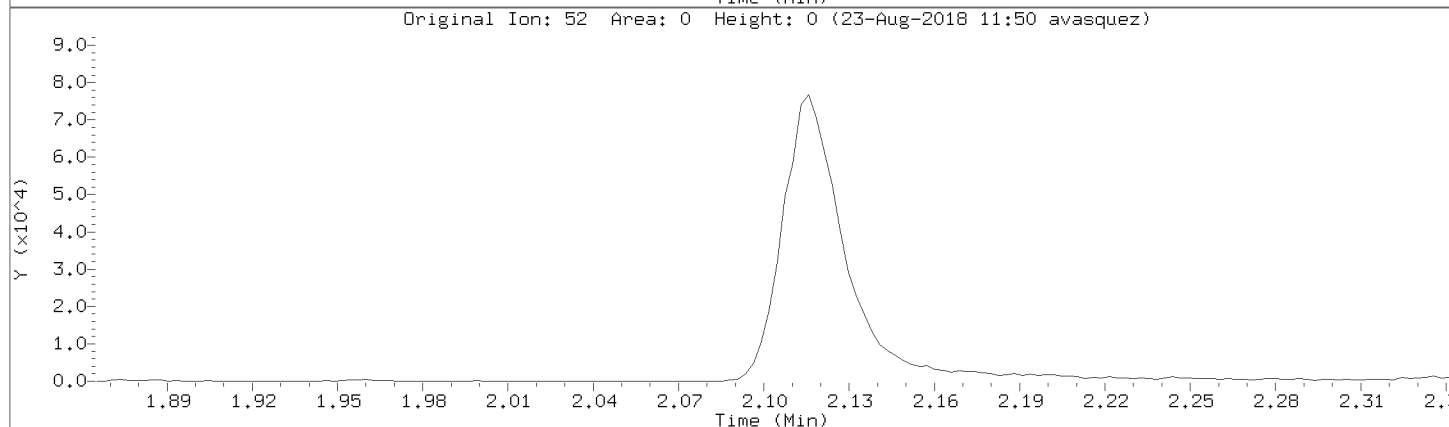
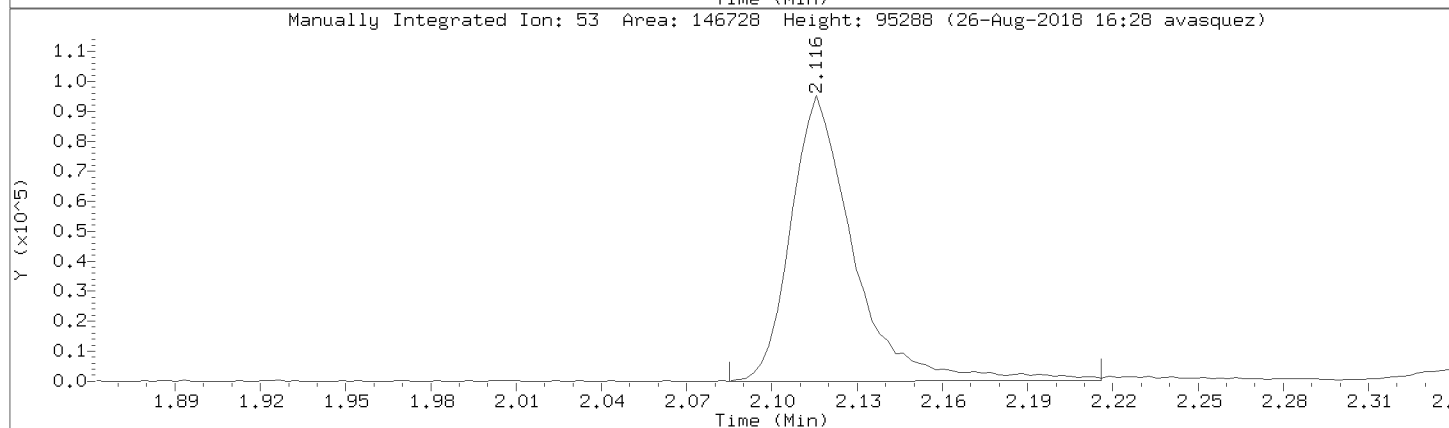
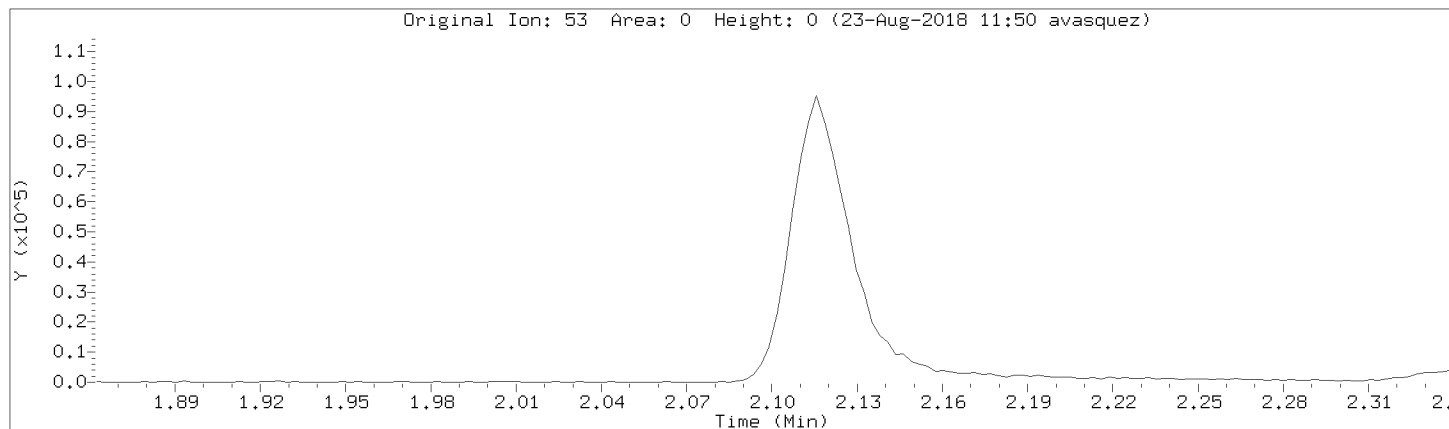
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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6

Compound: Acrolein Review Code: NI
CAS Number: 107-02-8



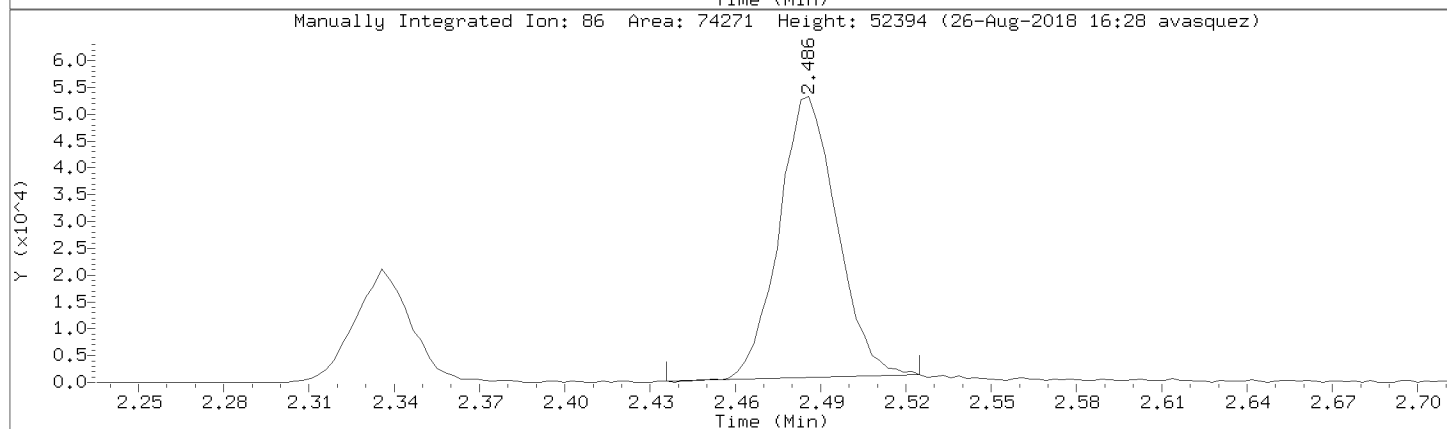
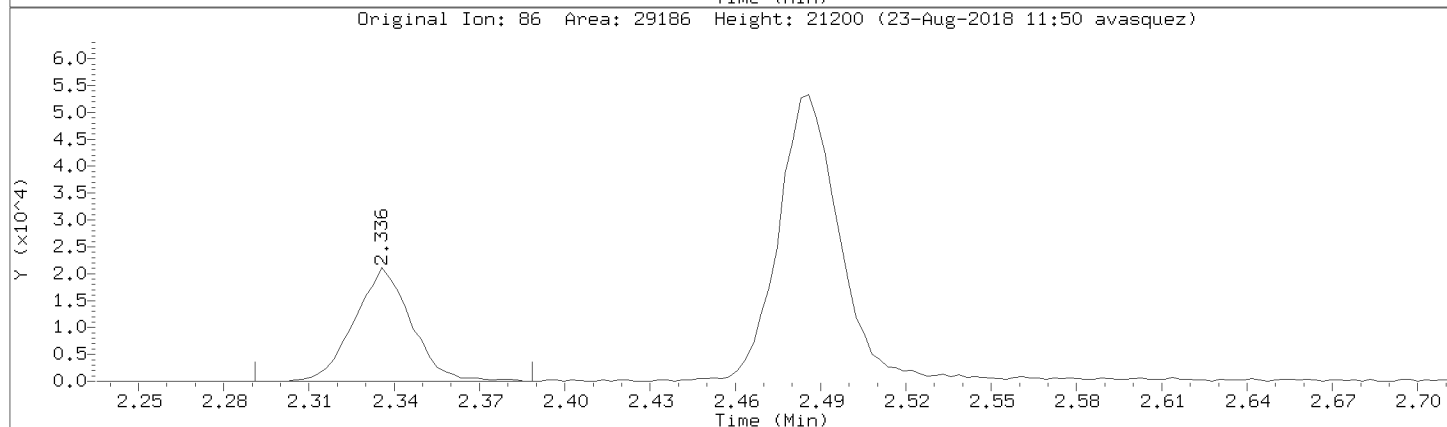
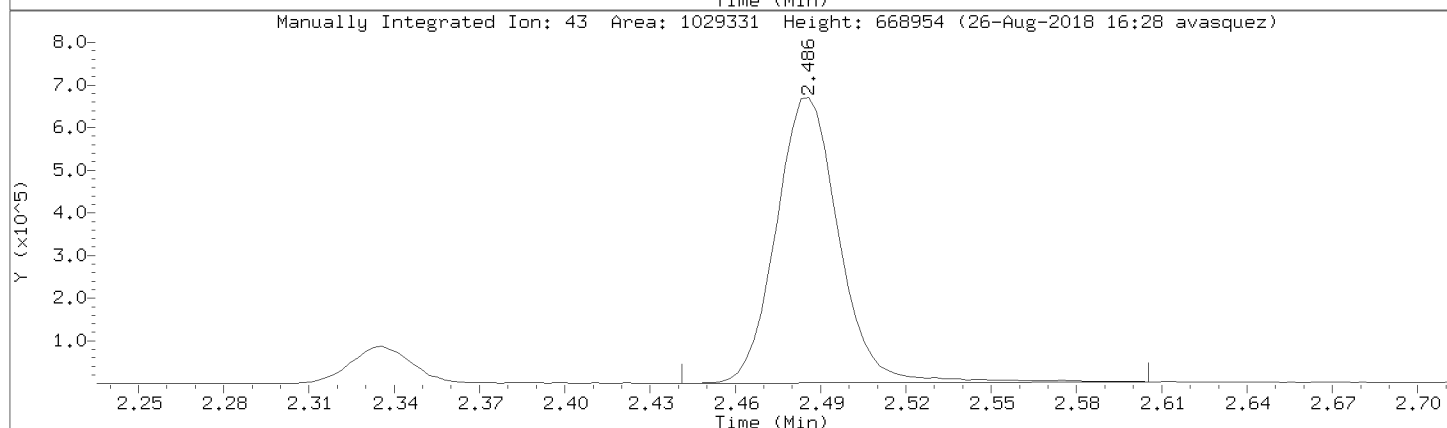
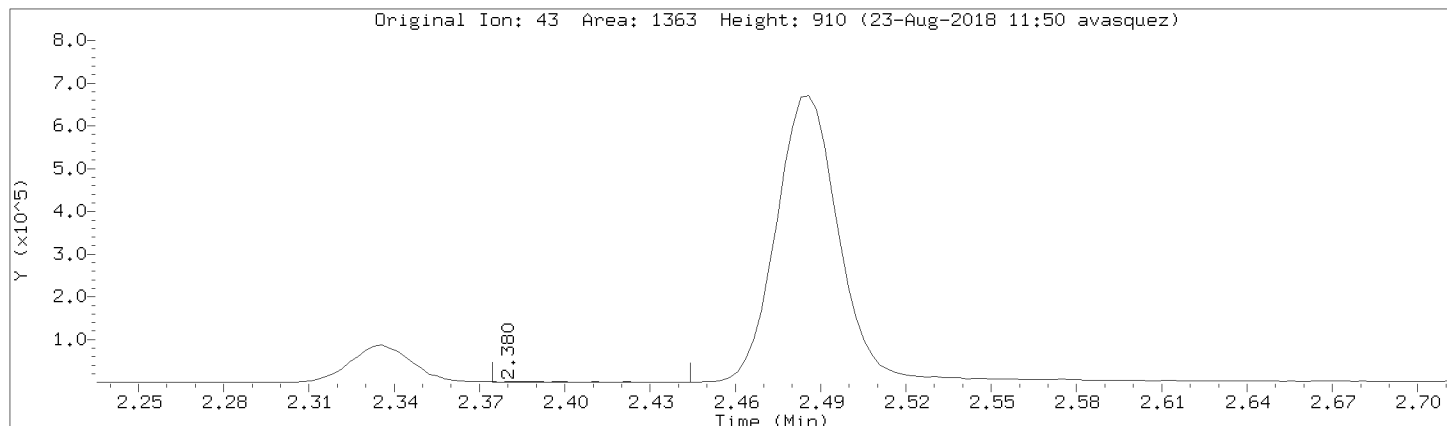
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Injection Date: 22-AUG-2018 17:02
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6

Compound: Acrylonitrile Review Code: NI
CAS Number: 107-13-1



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b/a07cal.d
Injection Date: 22-AUG-2018 17:02
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6

Compound: Vinyl Acetate Review Code: WP
CAS Number: 108-05-4



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\07cal.d

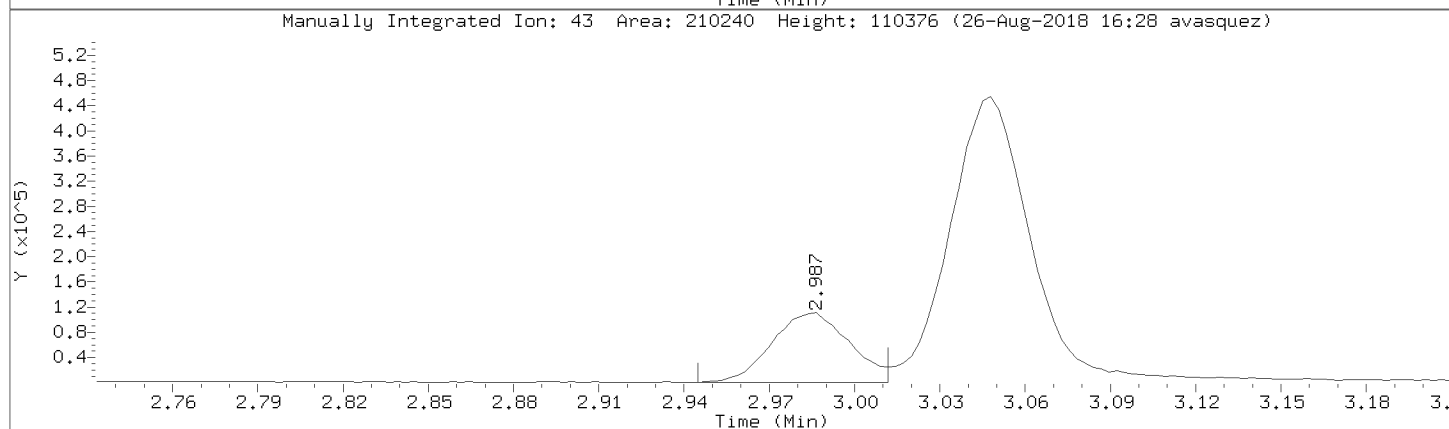
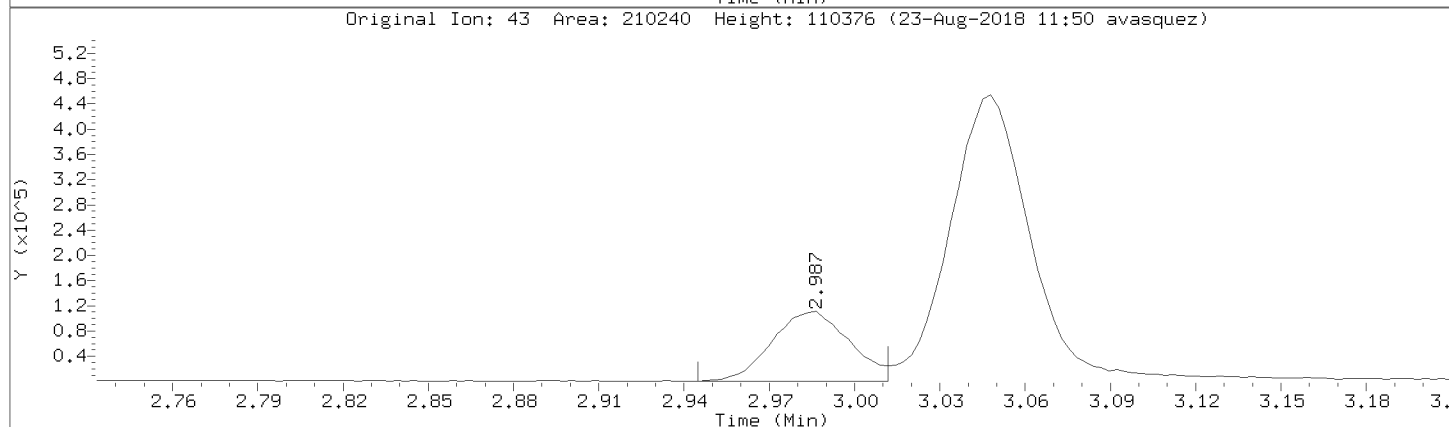
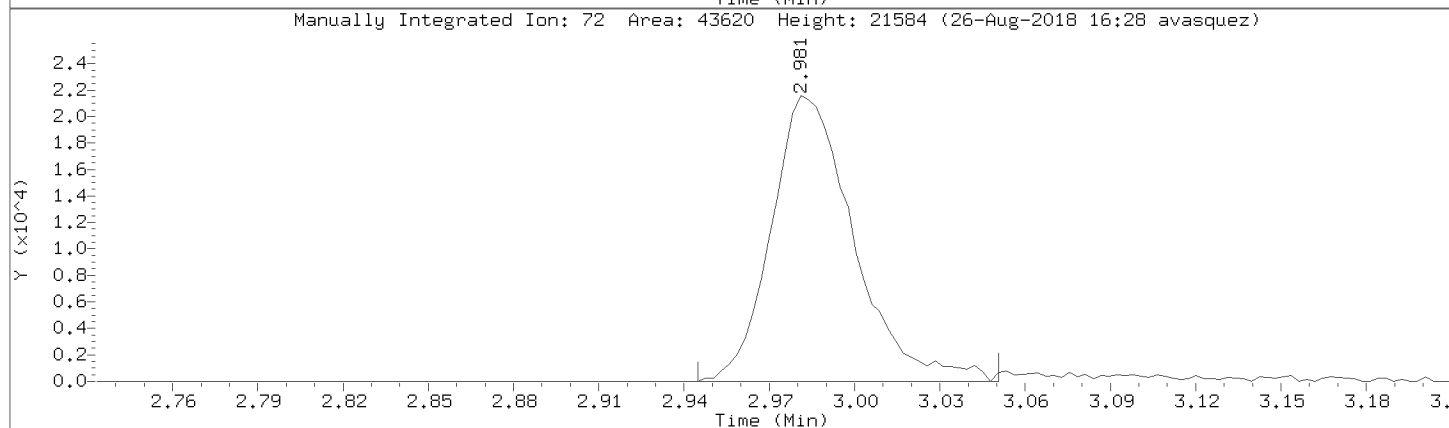
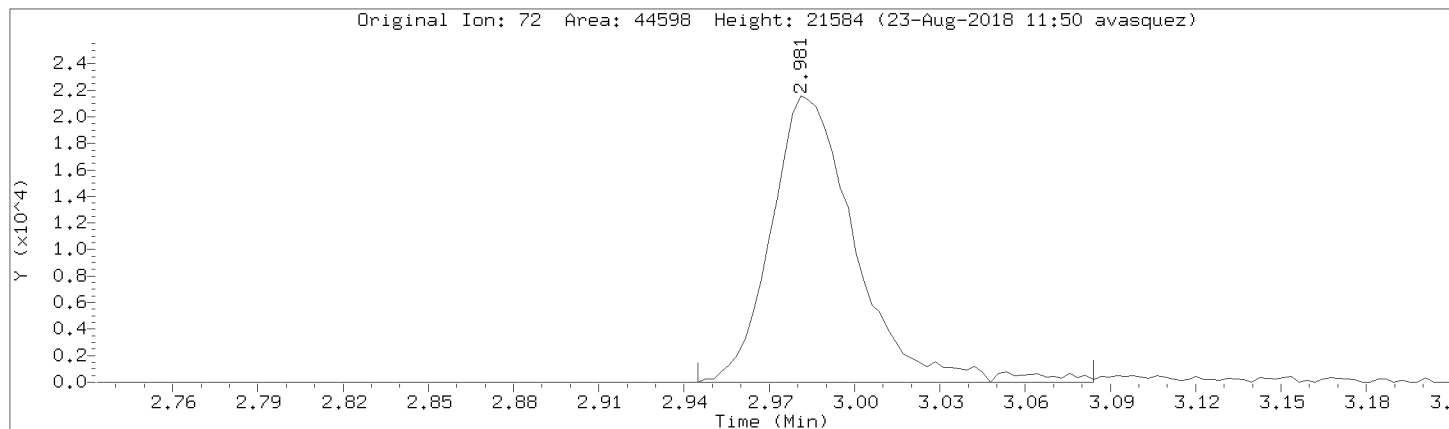
Injection Date: 22-AUG-2018 17:02

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL6

Compound: 2-Butanone Review Code: GT

CAS Number: 78-93-3

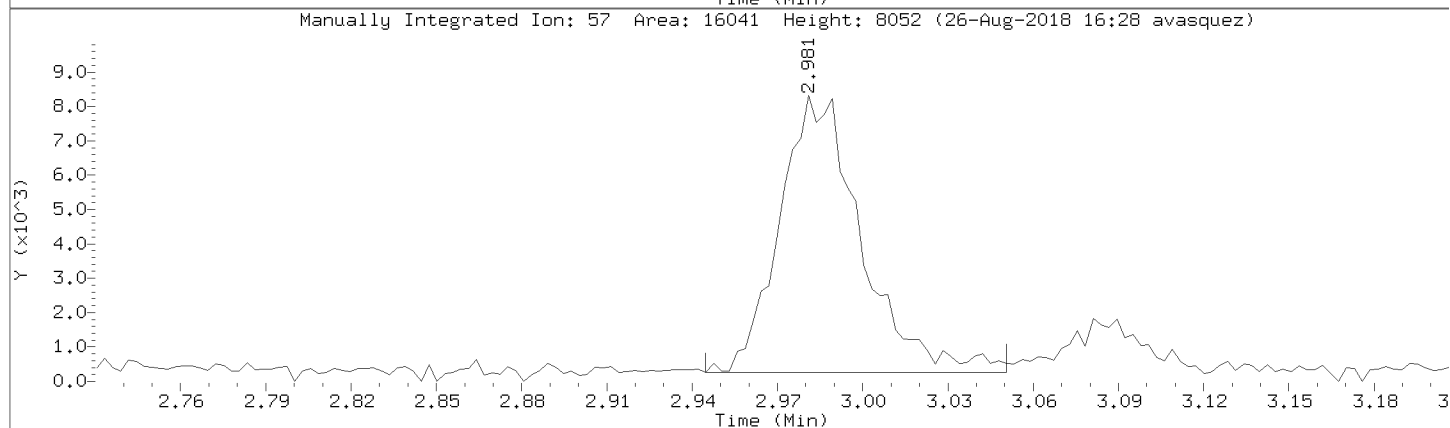
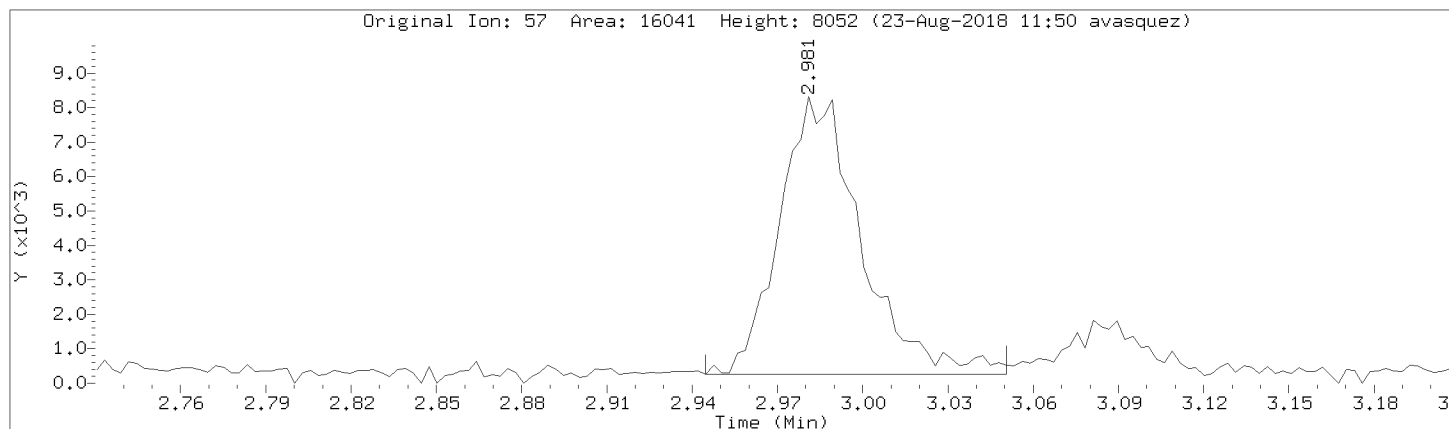


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Injection Date: 22-AUG-2018 17:02

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL6



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Injection Date: 22-AUG-2018 17:02

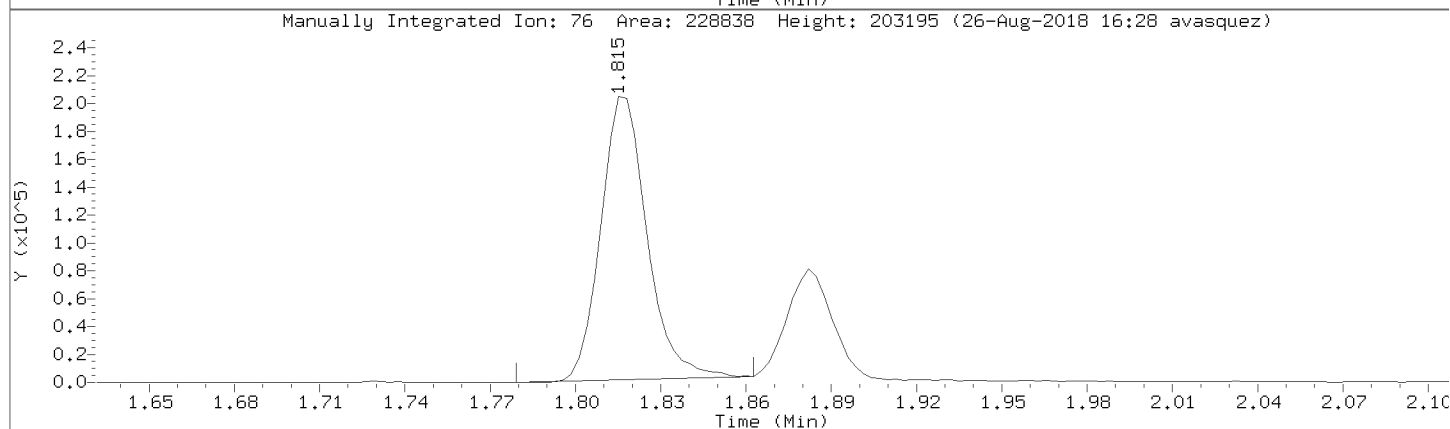
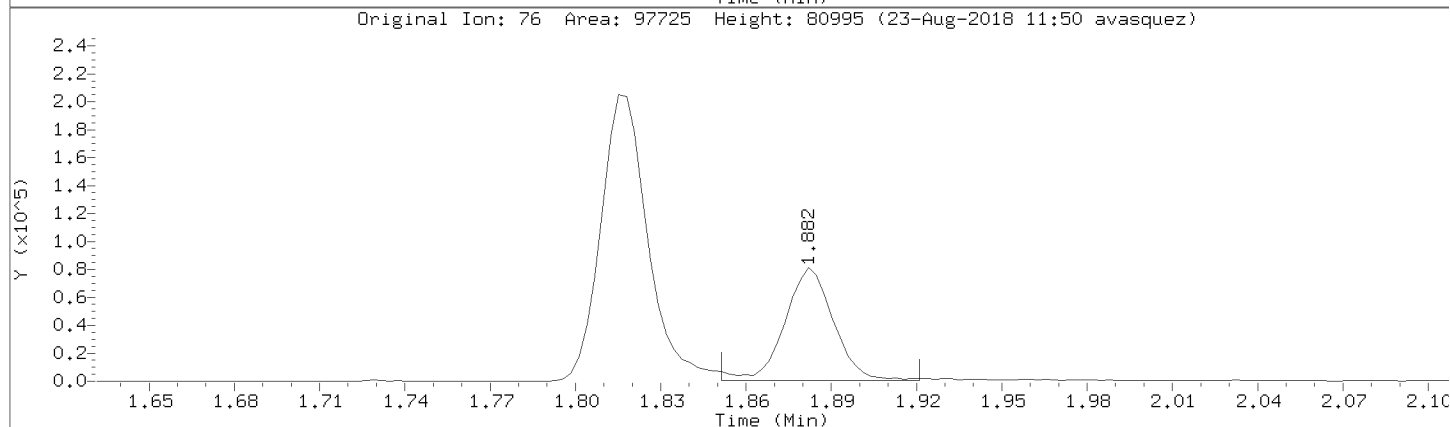
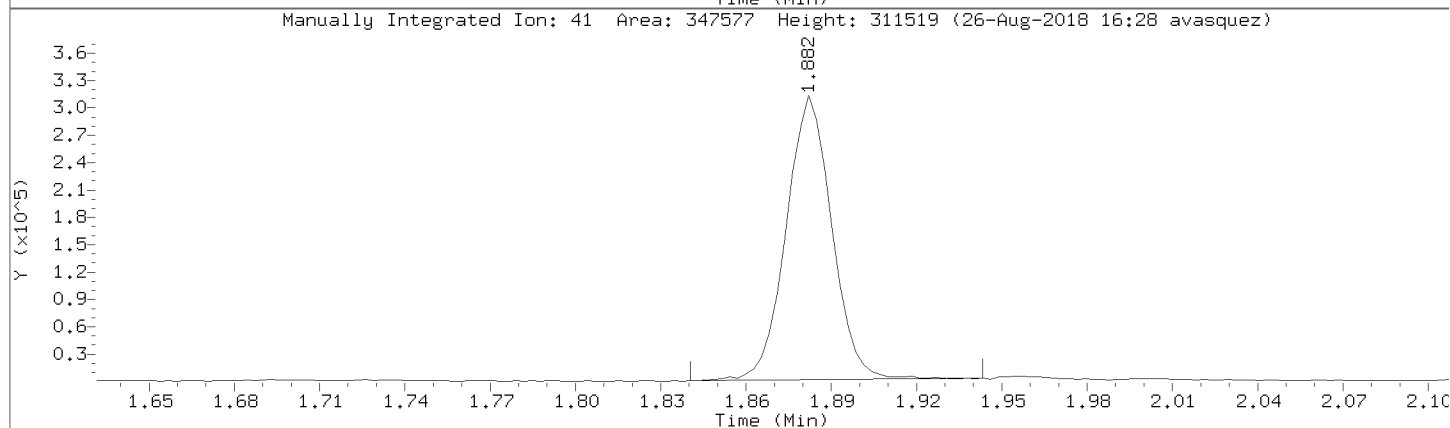
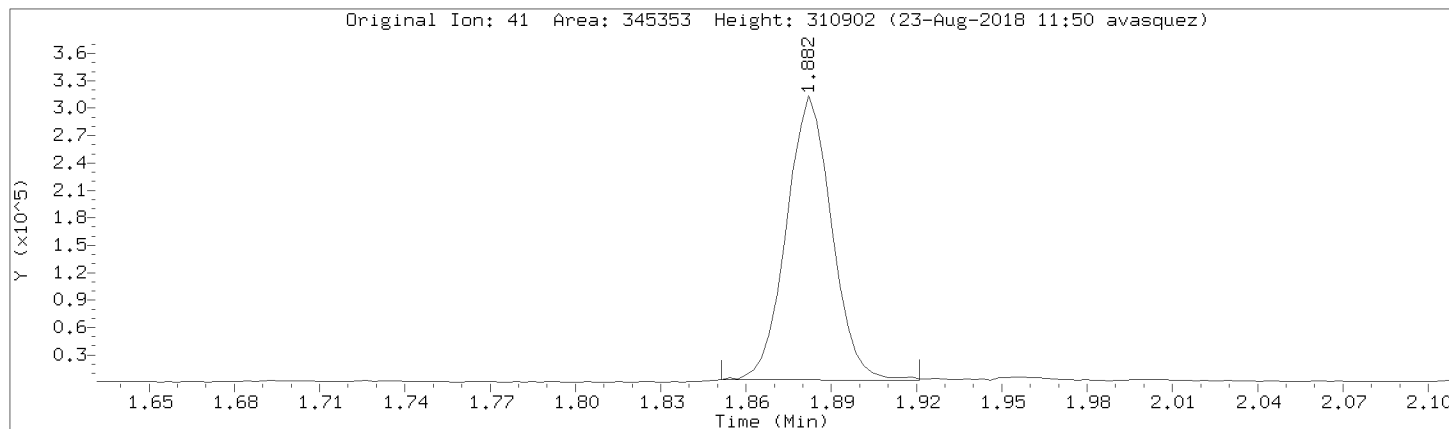
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL6

Compound: allyl chloride

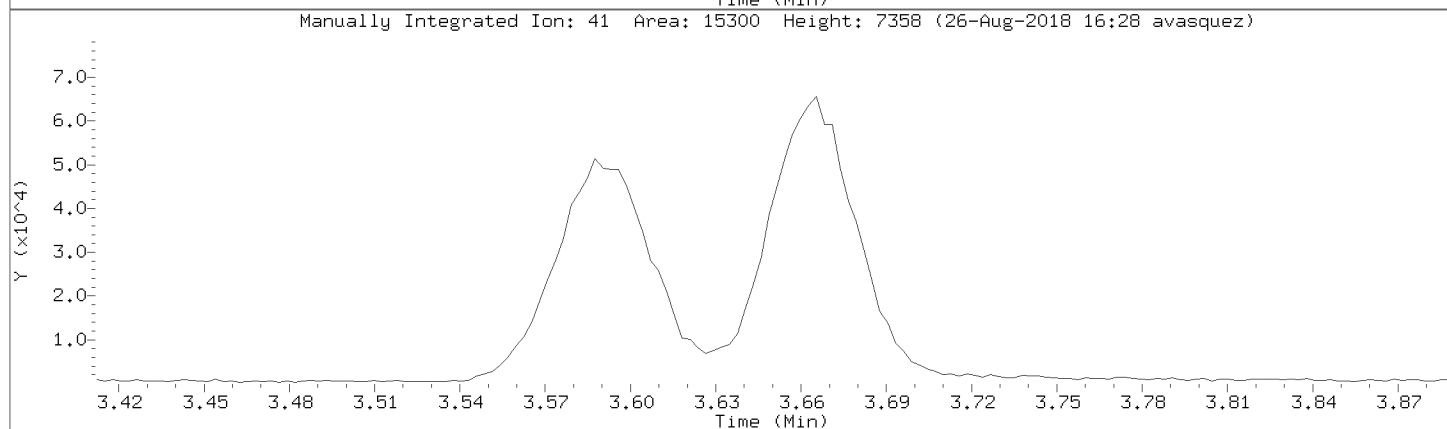
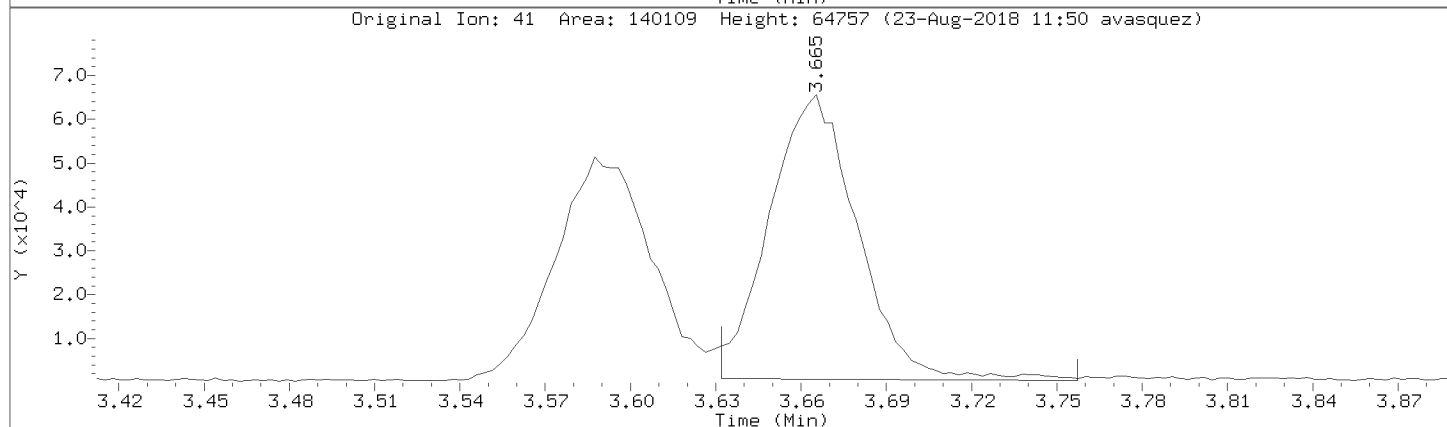
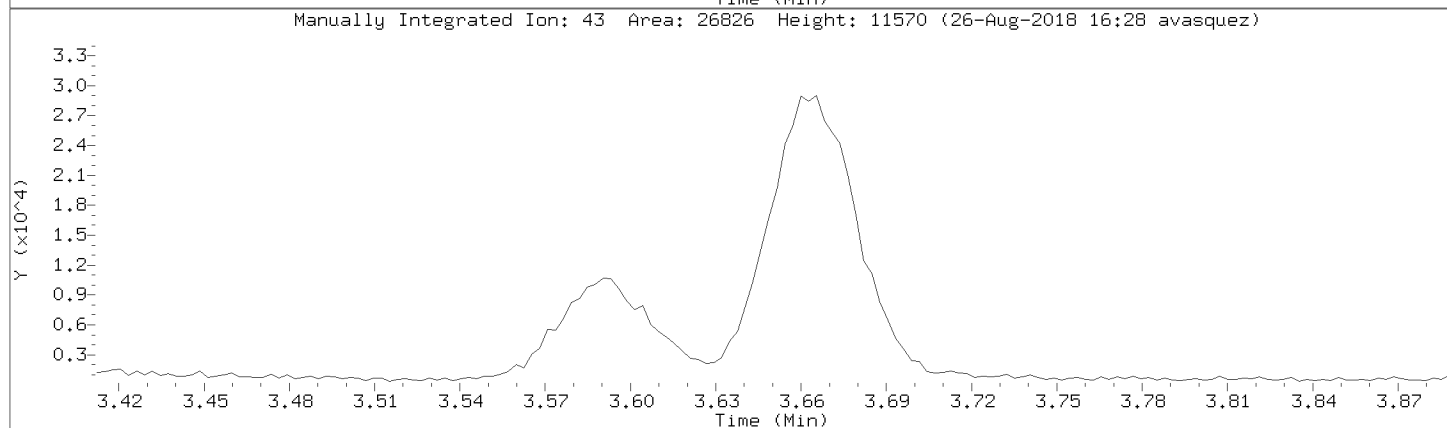
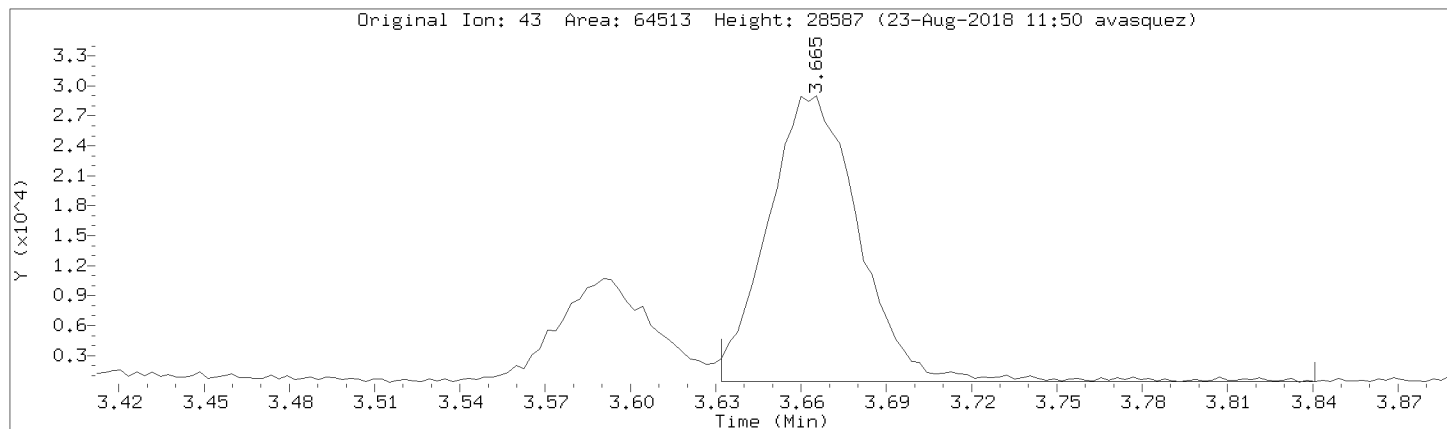
Review Code:

CAS Number: 107-05-1

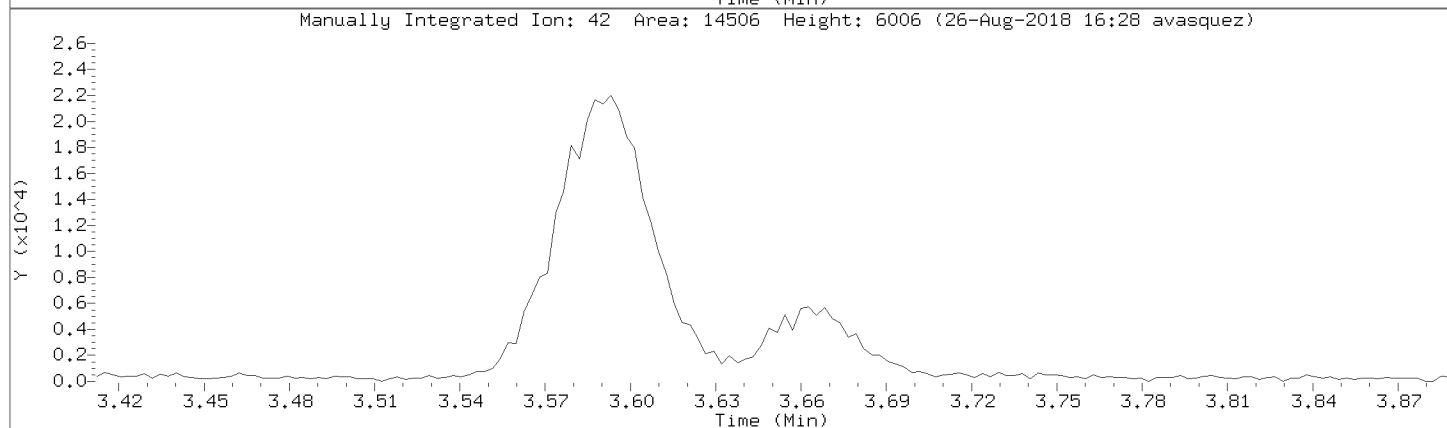
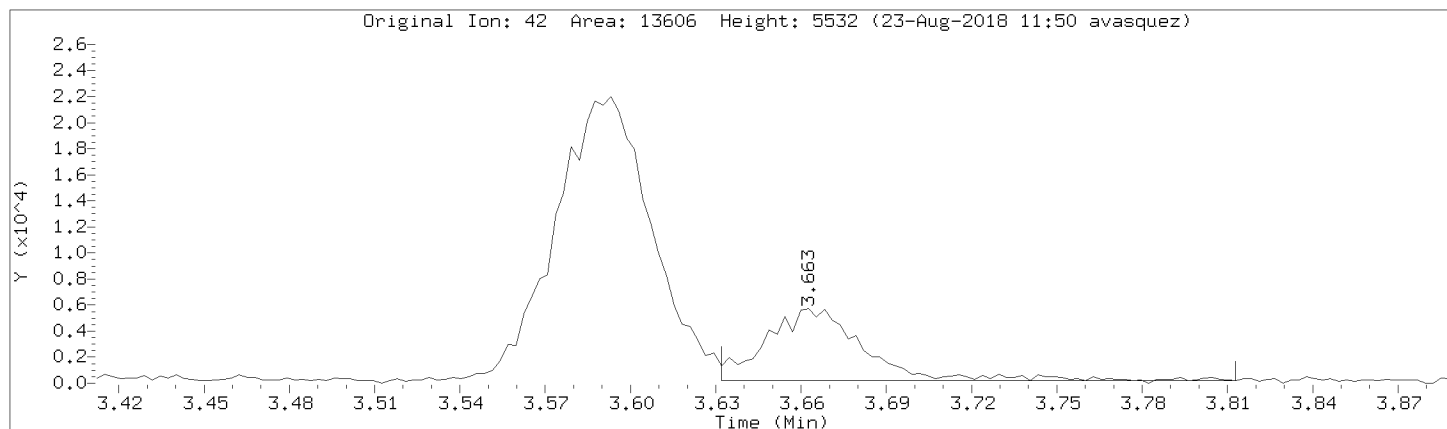


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Injection Date: 22-AUG-2018 17:02
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6

Compound: Isobutyl alcohol Review Code: NI
CAS Number: 78-83-1

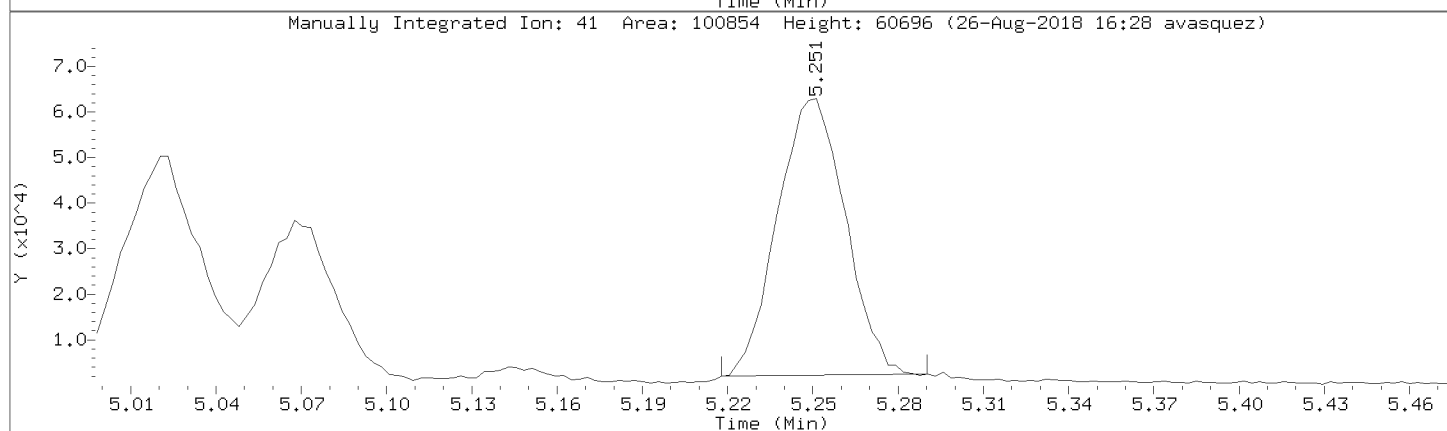
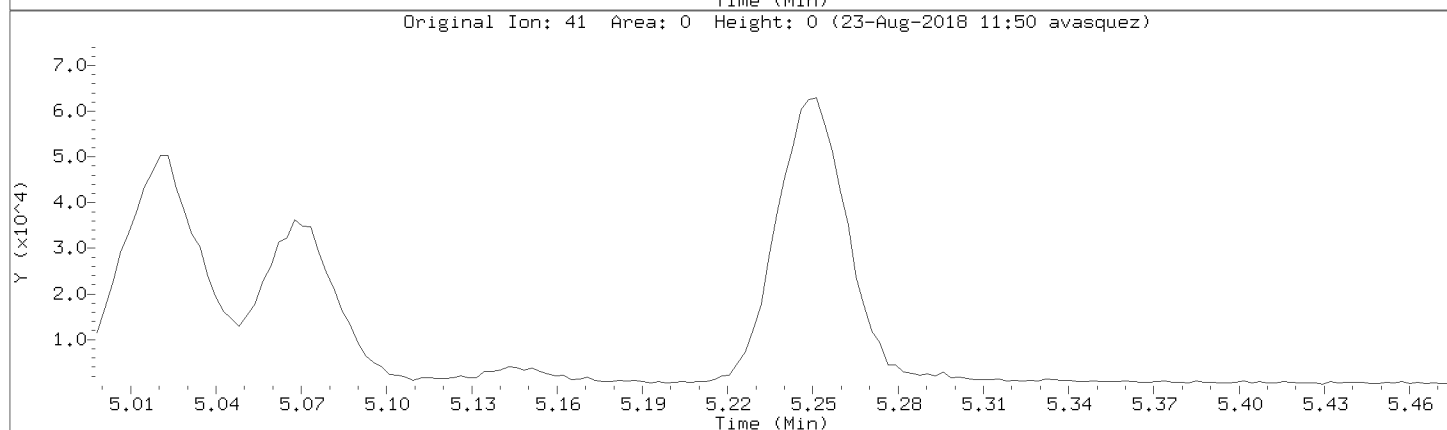
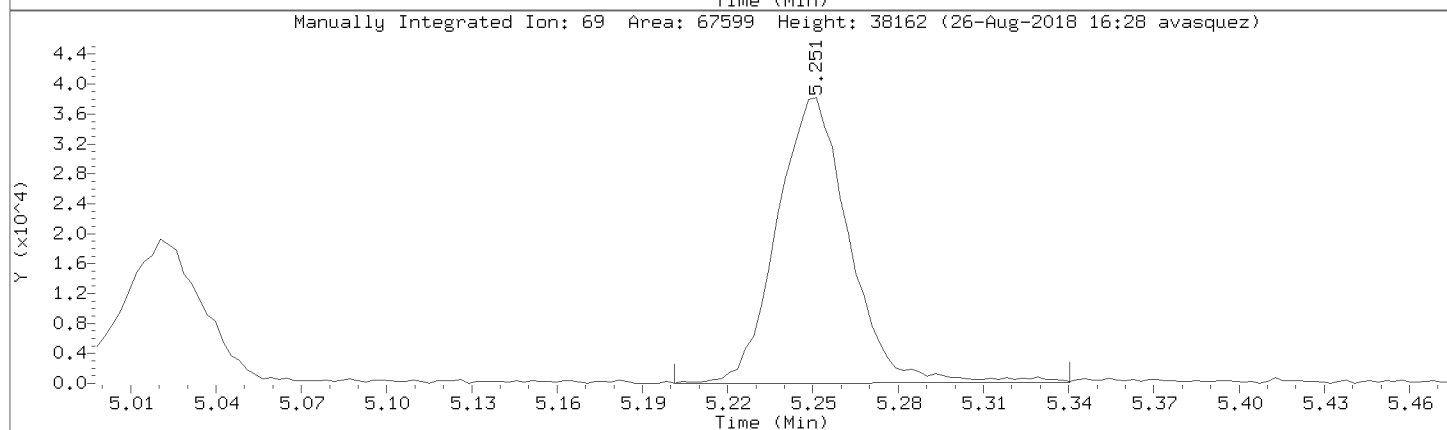
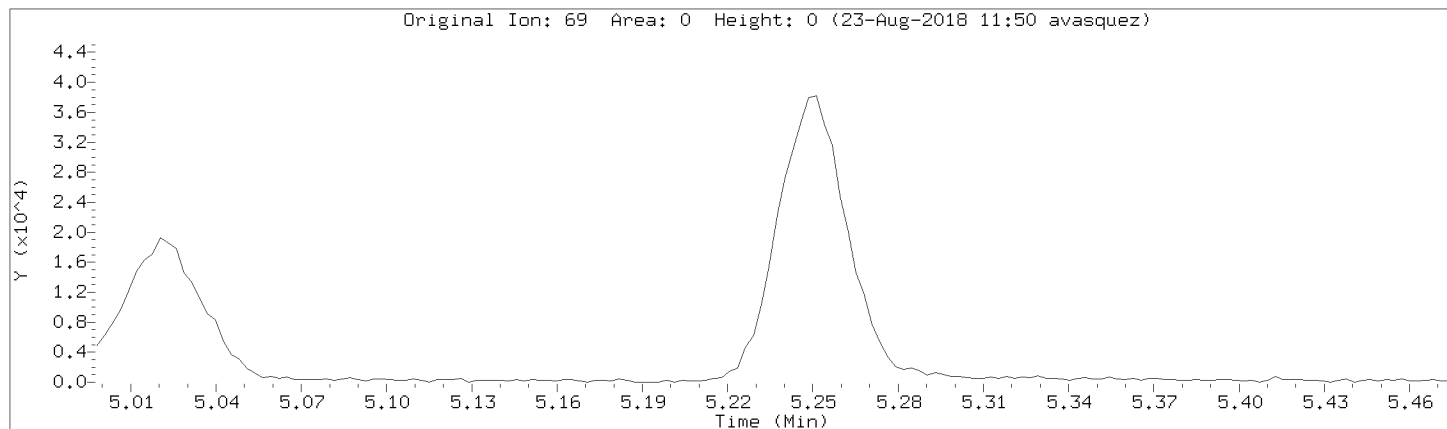


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Injection Date: 22-AUG-2018 17:02
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6

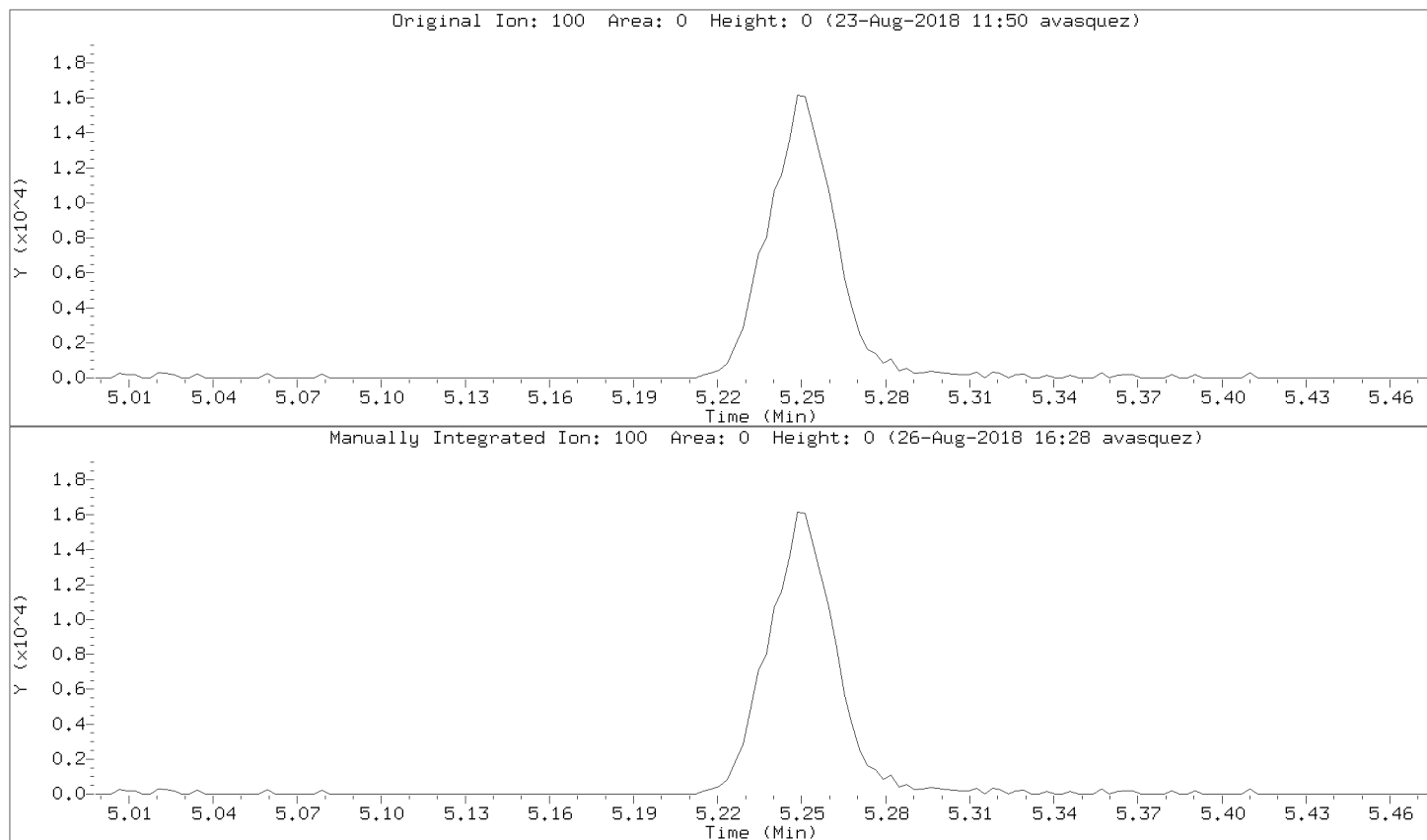


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Injection Date: 22-AUG-2018 17:02
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6

Compound: Methyl methacrylate Review Code: NI
CAS Number: 80-62-6



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a07cal.d
Injection Date: 22-AUG-2018 17:02
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6



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Injection Date: 22-AUG-2018 17:02

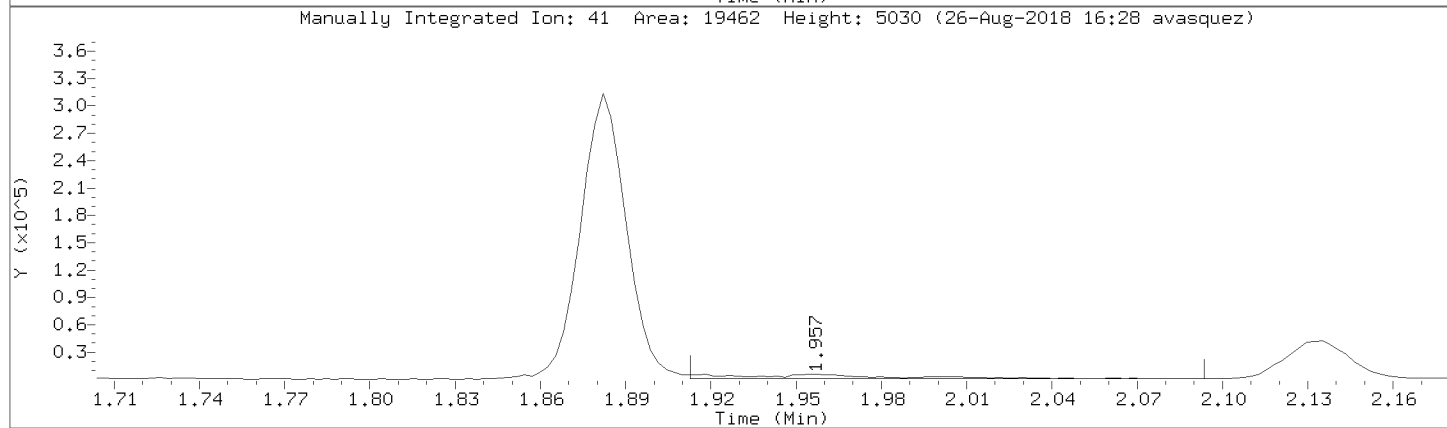
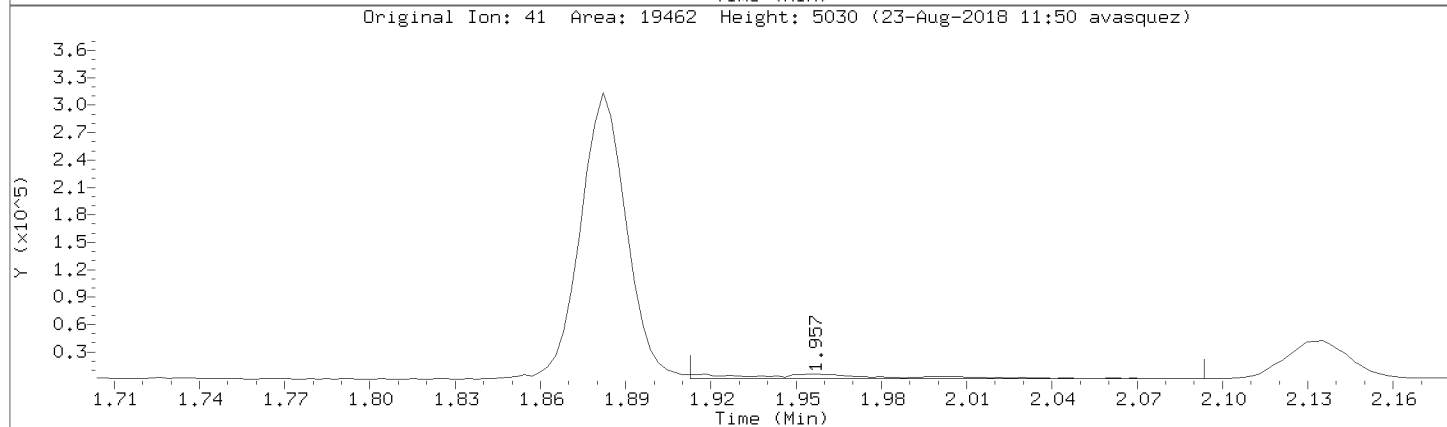
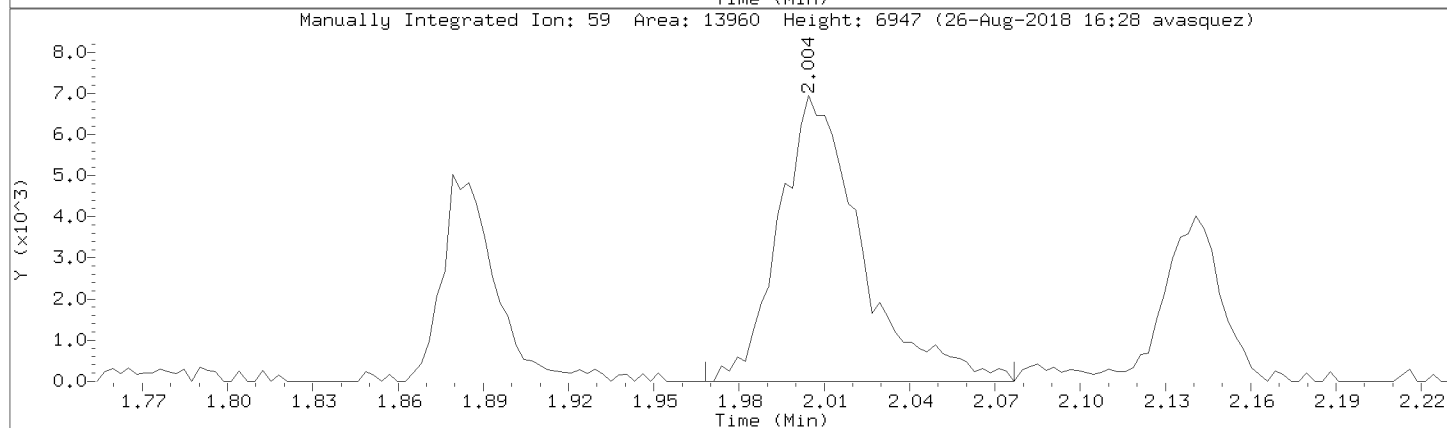
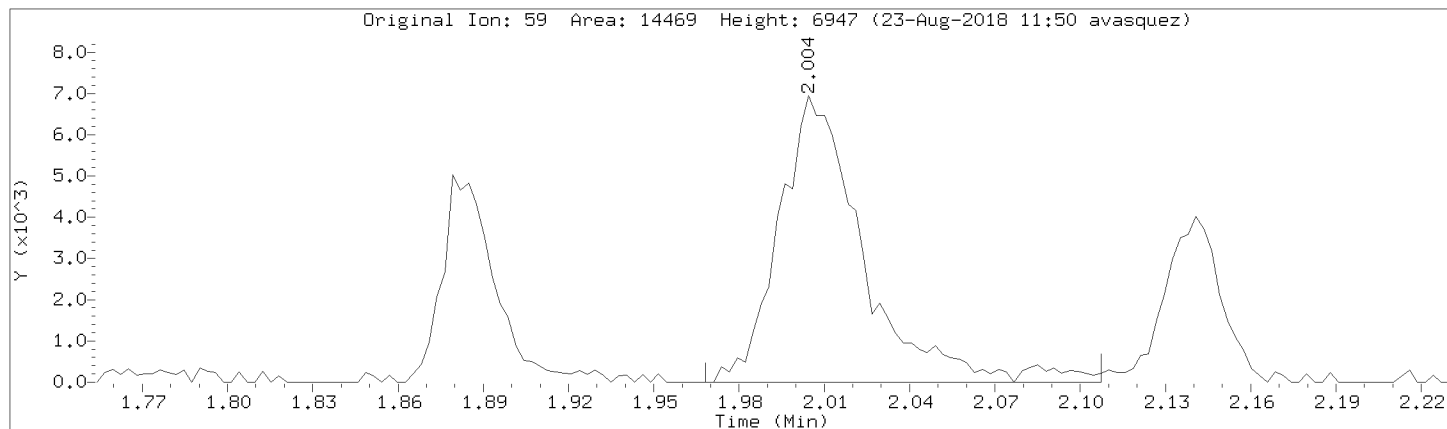
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL6

Compound: tert-Butyl Alcohol

Review Code: GT

CAS Number: 75-65-0



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\07cal.d

Injection Date: 22-AUG-2018 17:02

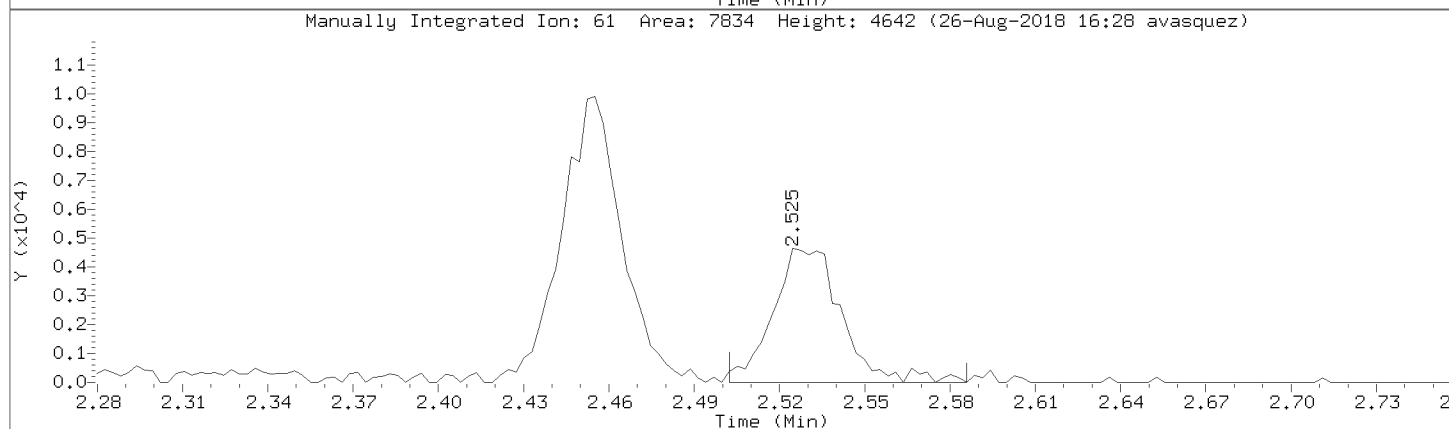
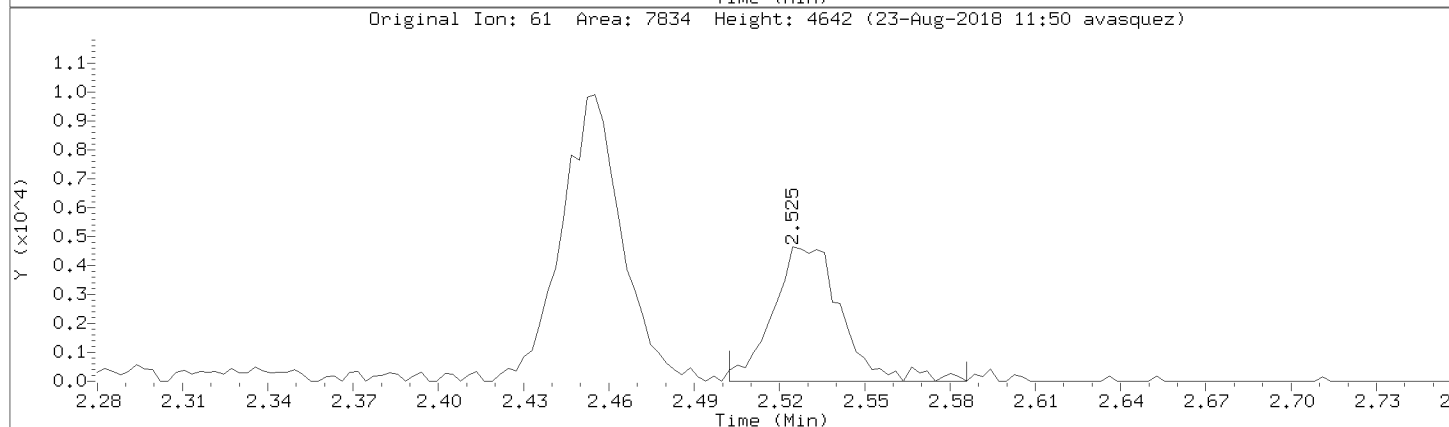
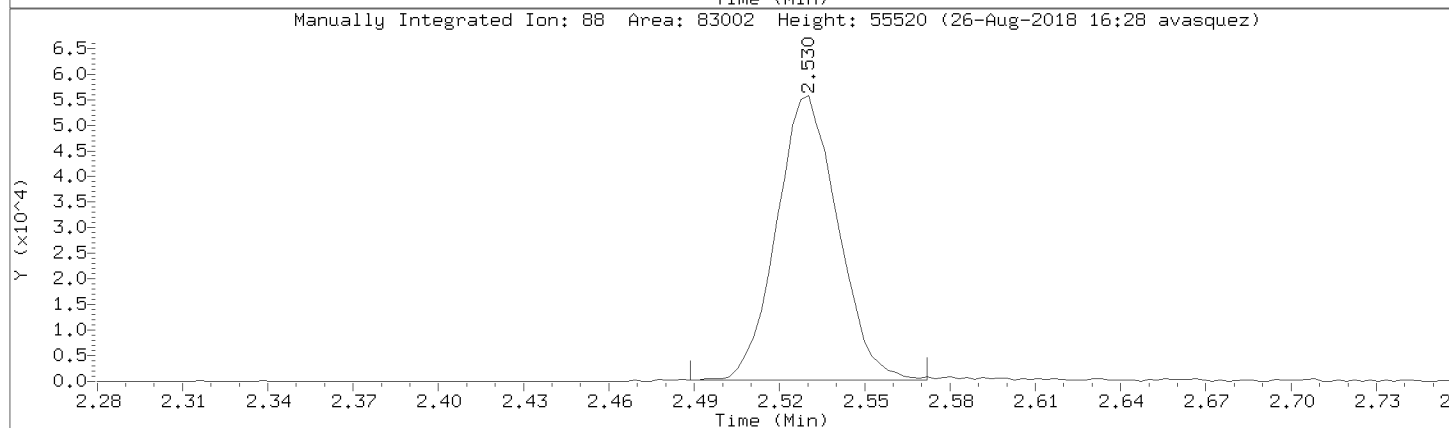
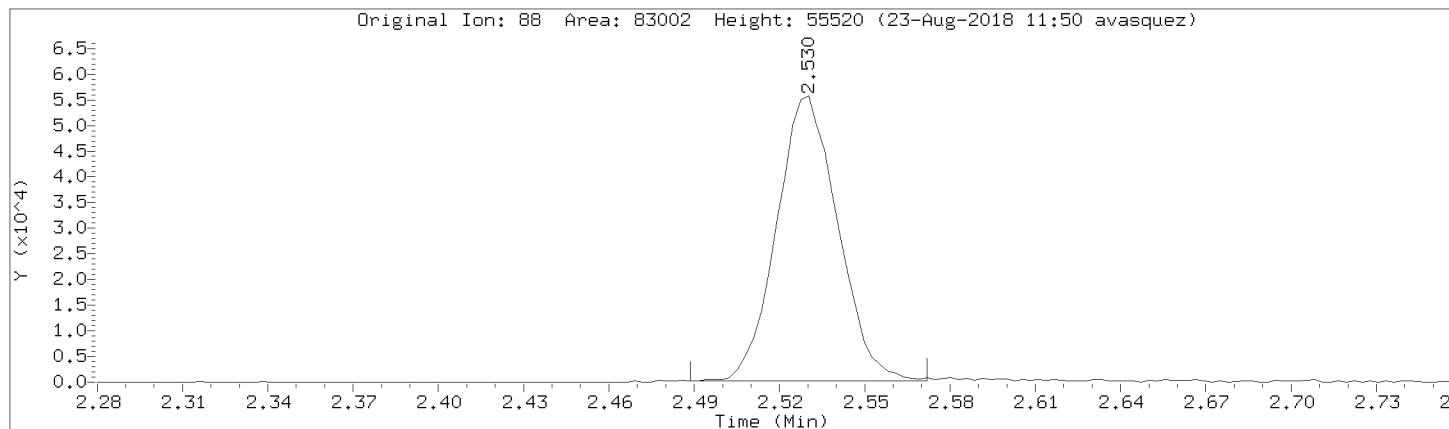
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL6

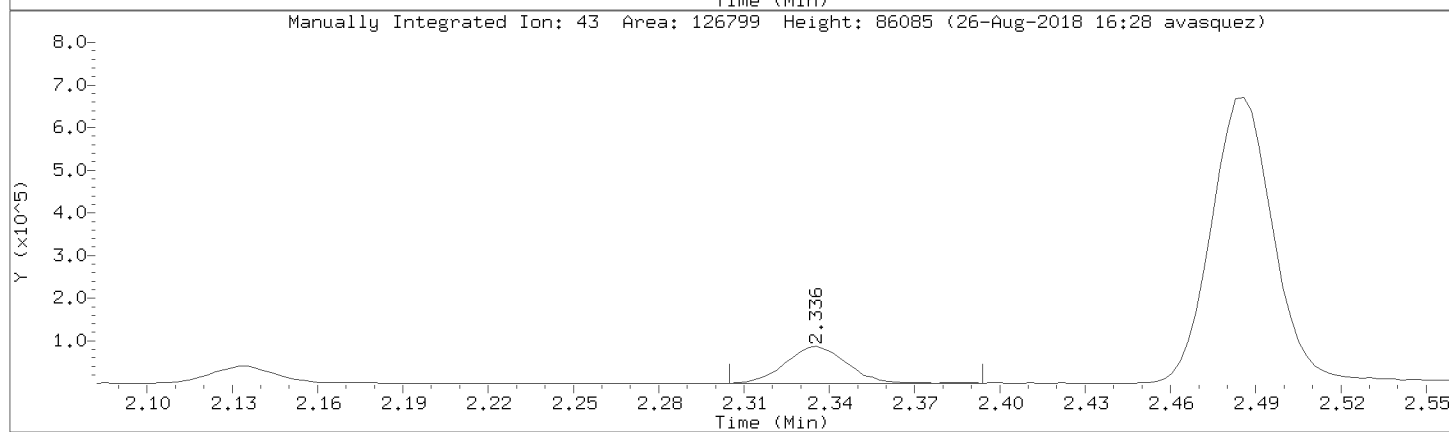
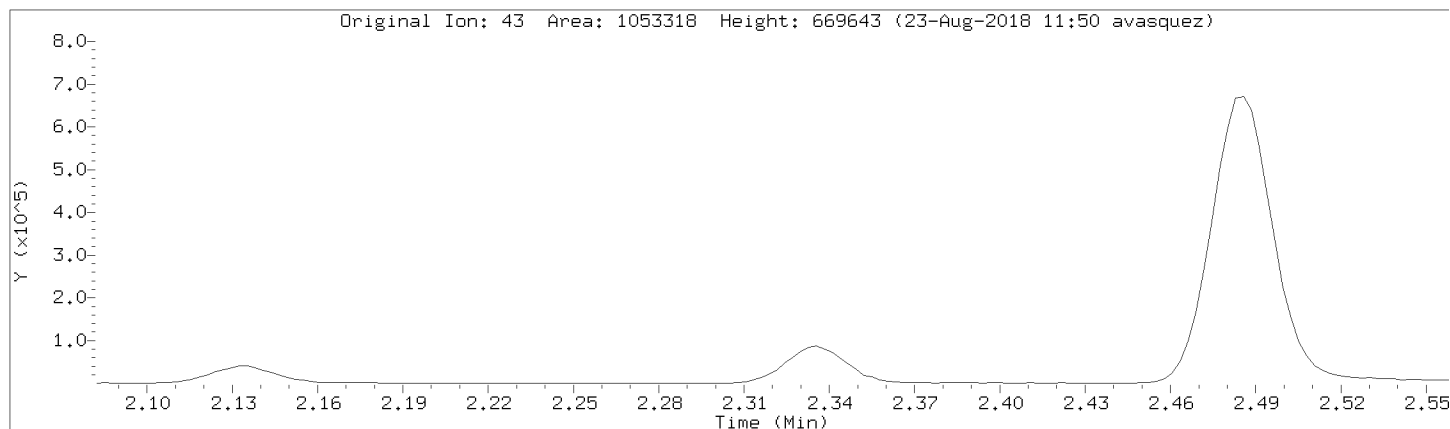
Compound: Ethyl acetate

Review Code: WP

CAS Number: 141-78-6



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a07cal.d
Injection Date: 22-AUG-2018 17:02
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6



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Injection Date: 22-AUG-2018 17:02

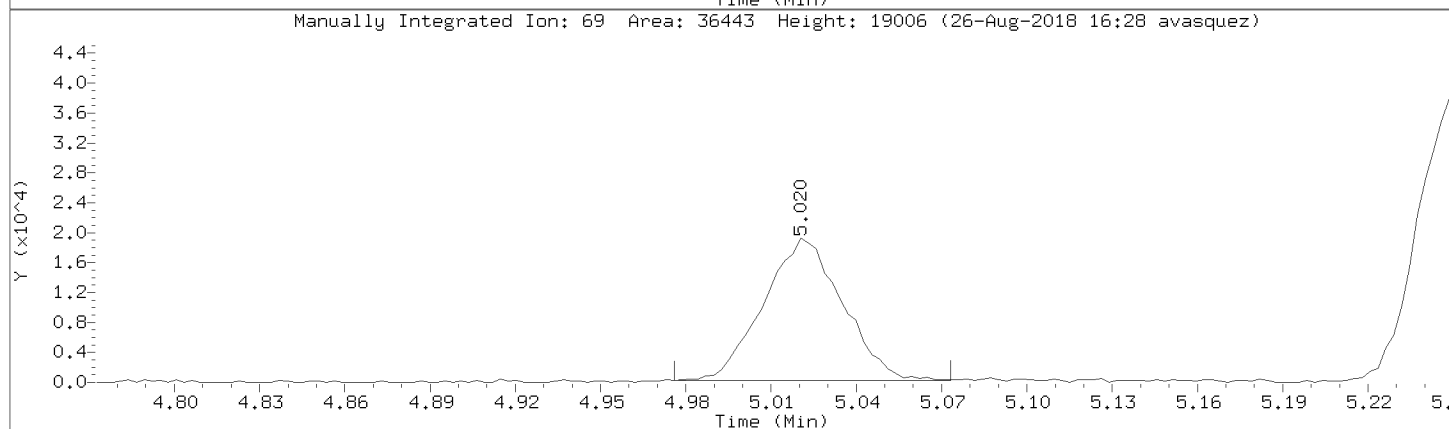
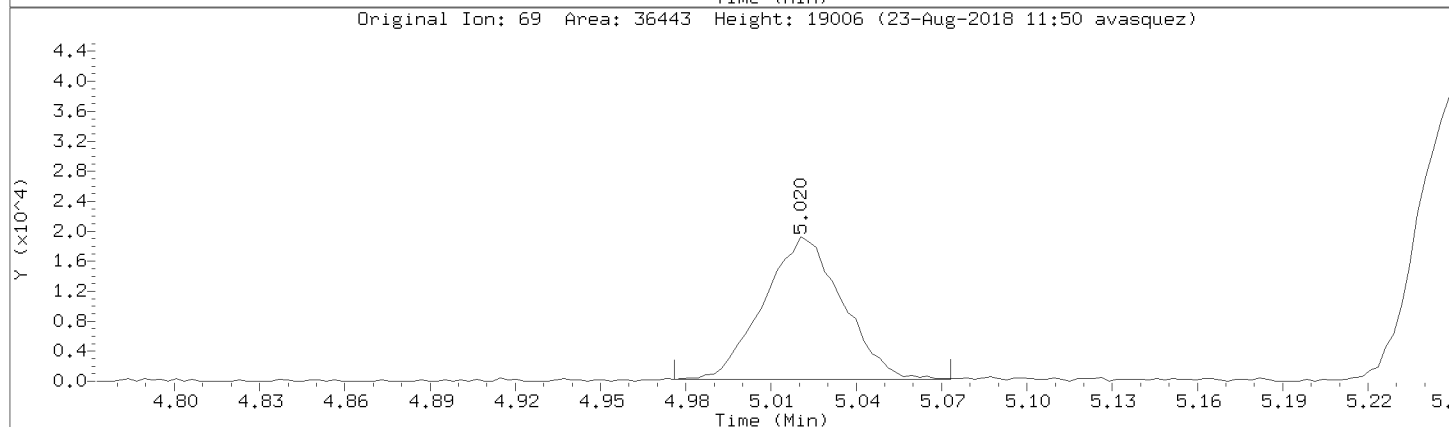
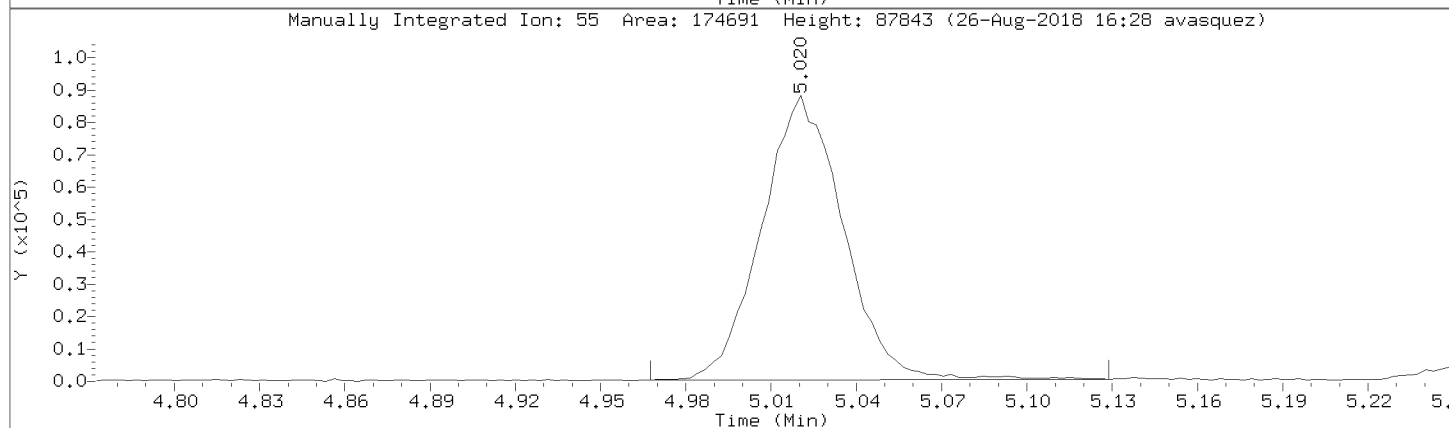
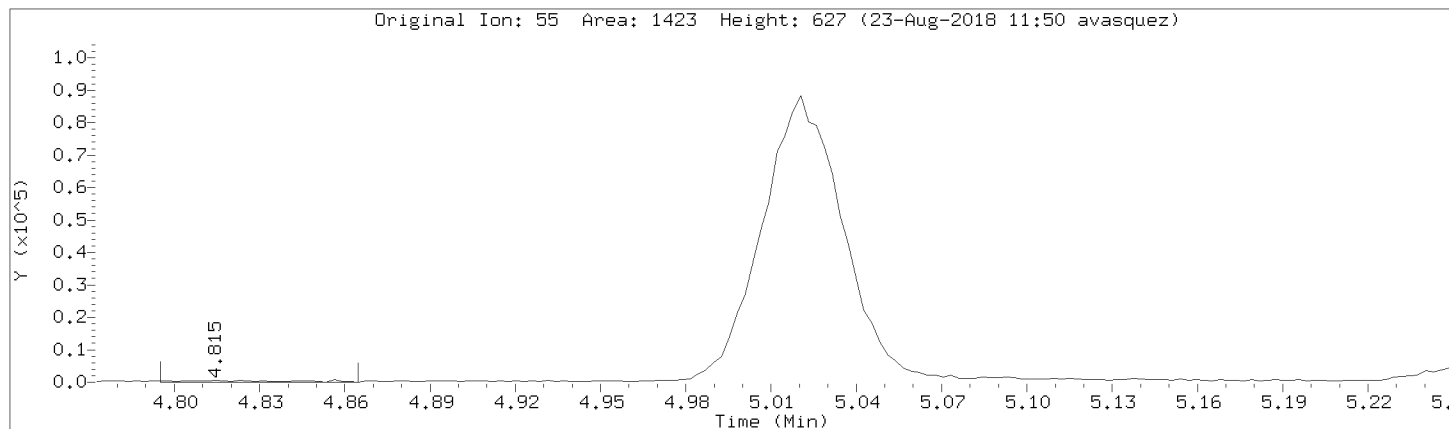
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL6

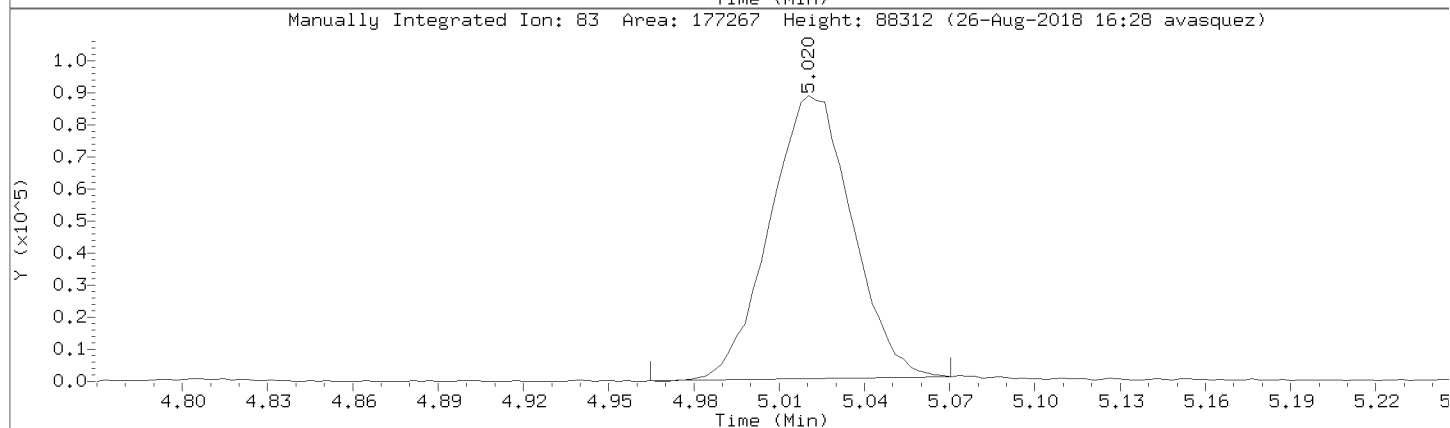
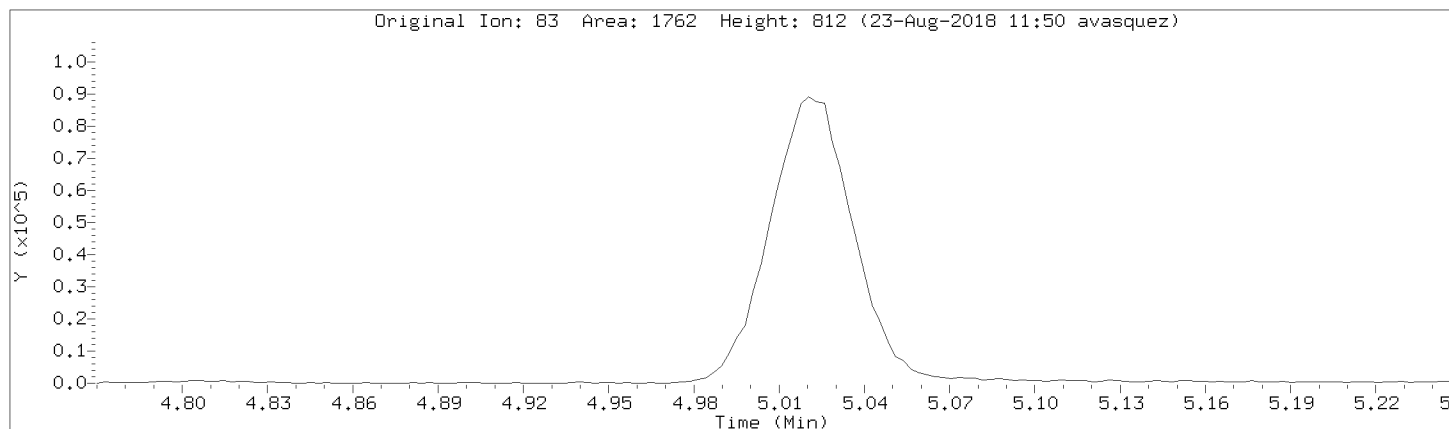
Compound: Methylcyclohexane

Review Code: NI

CAS Number: 108-87-2



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a07cal.d
Injection Date: 22-AUG-2018 17:02
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6



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Injection Date: 22-AUG-2018 17:02

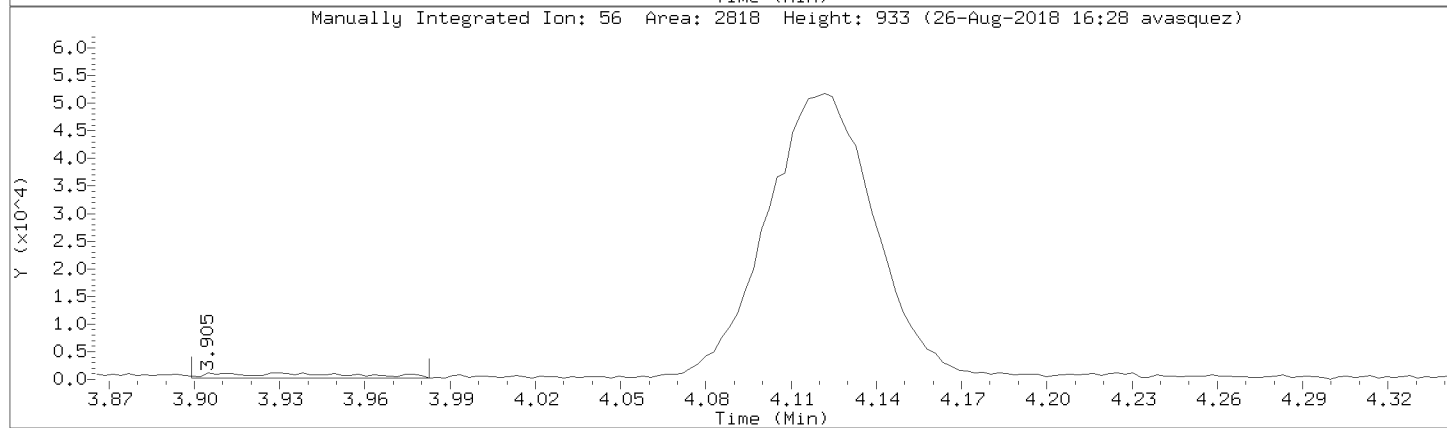
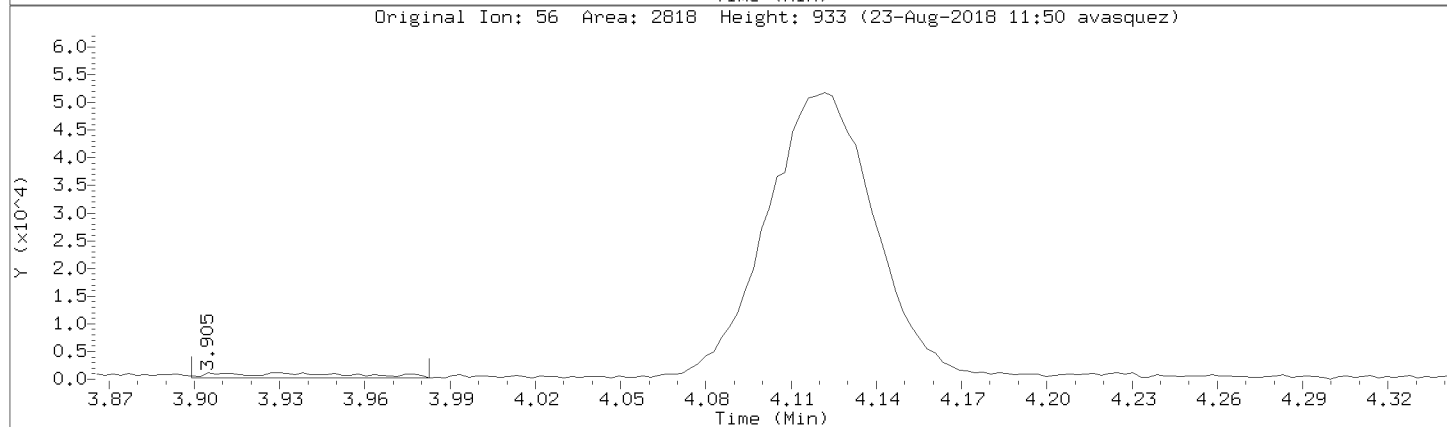
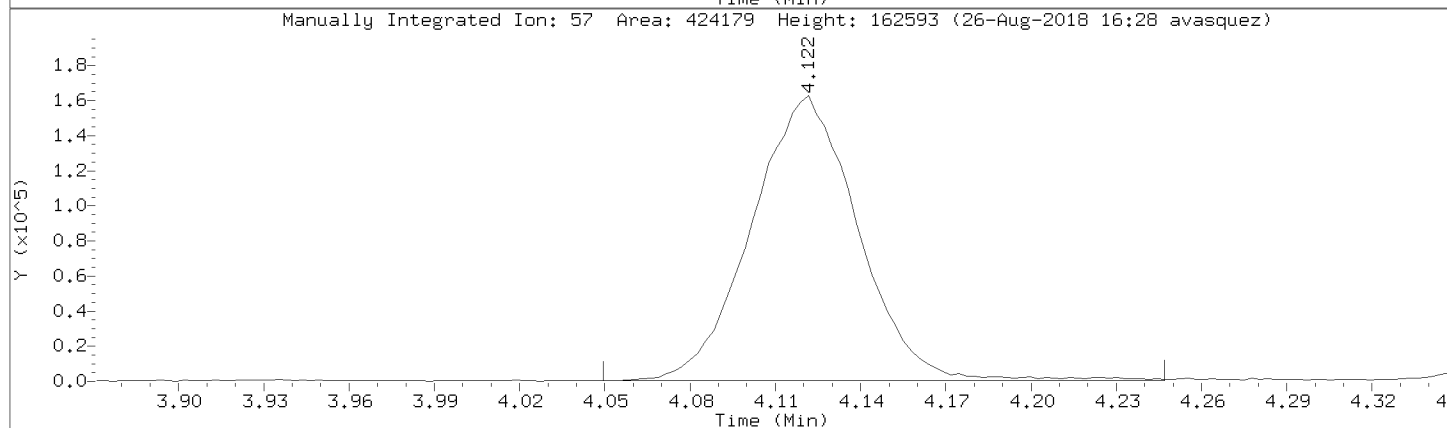
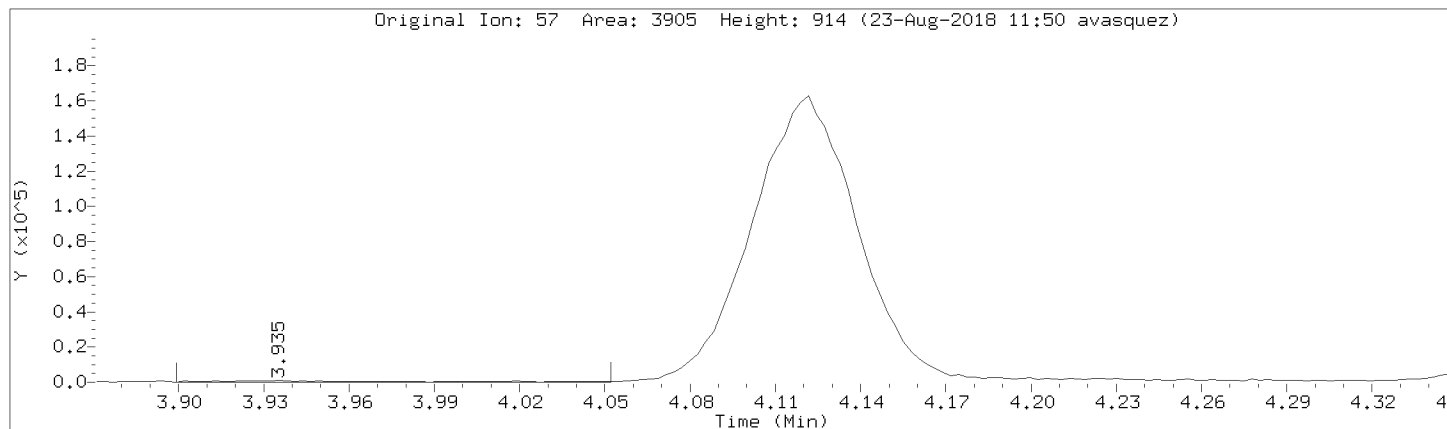
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL6

Compound: 2,2,4-Trimethylpentane

Review Code: NI

CAS Number: 540-84-1



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\07cal.d

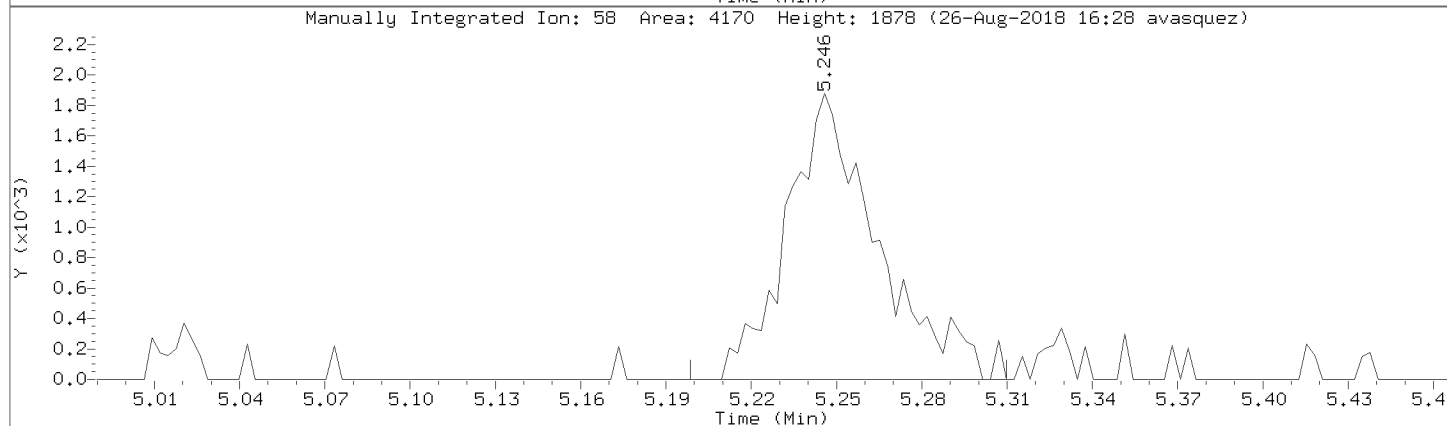
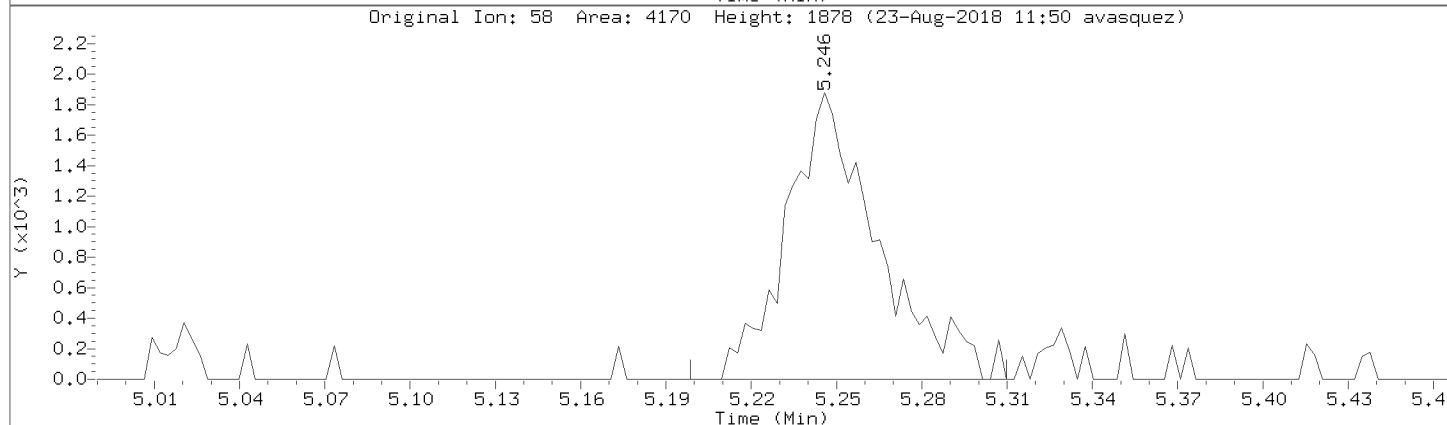
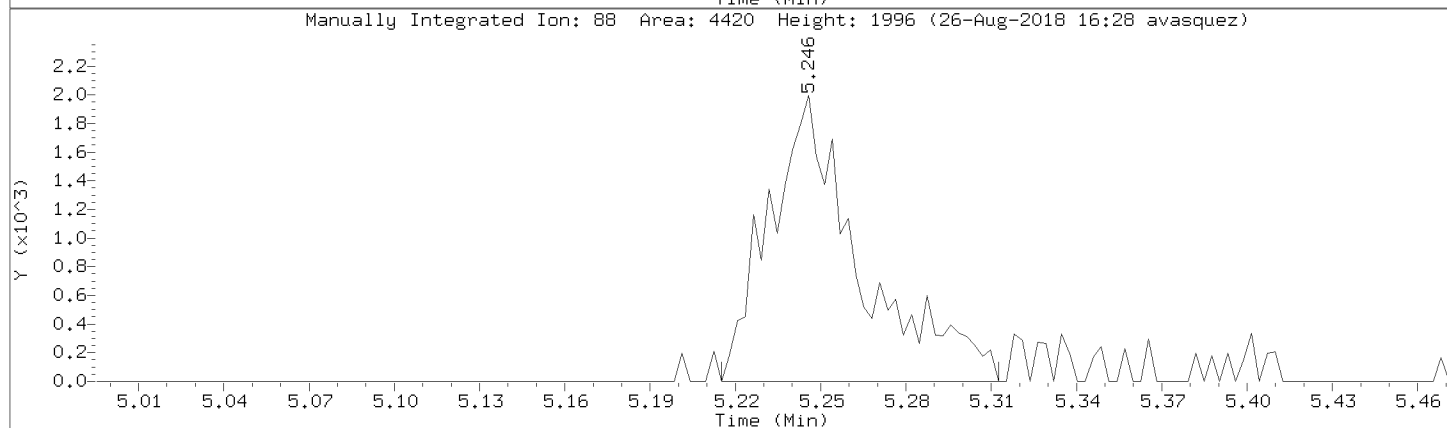
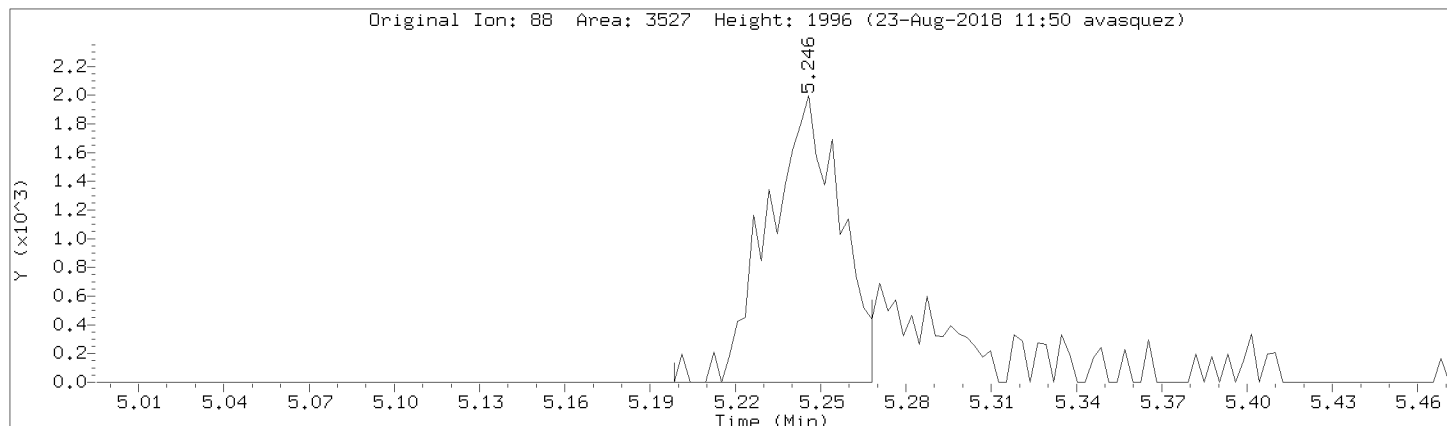
Injection Date: 22-AUG-2018 17:02

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL6

Compound: 1,4-Dioxane Review Code: LT

CAS Number:



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Injection Date: 22-AUG-2018 17:02

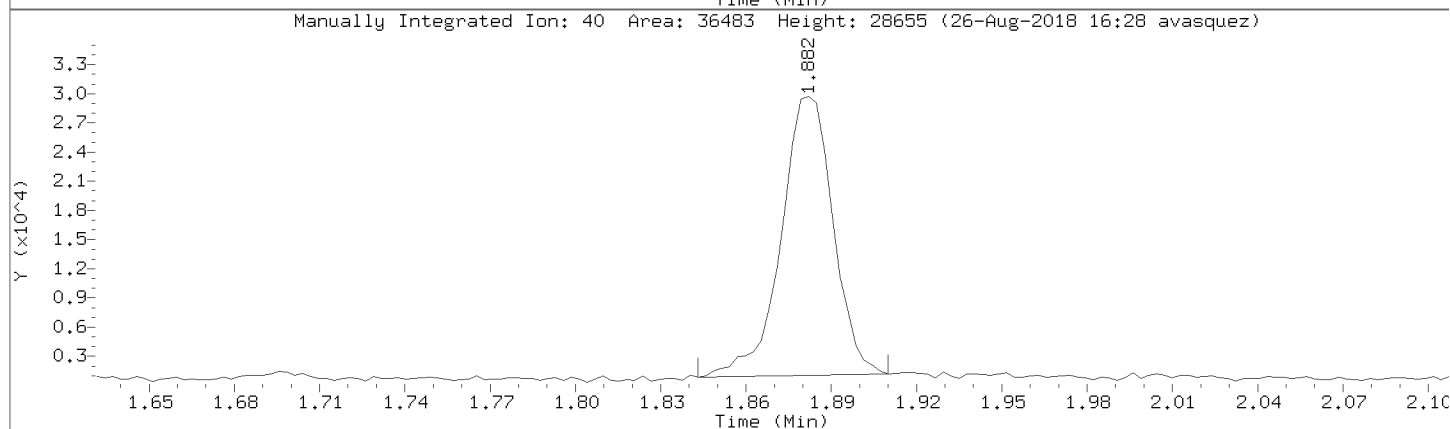
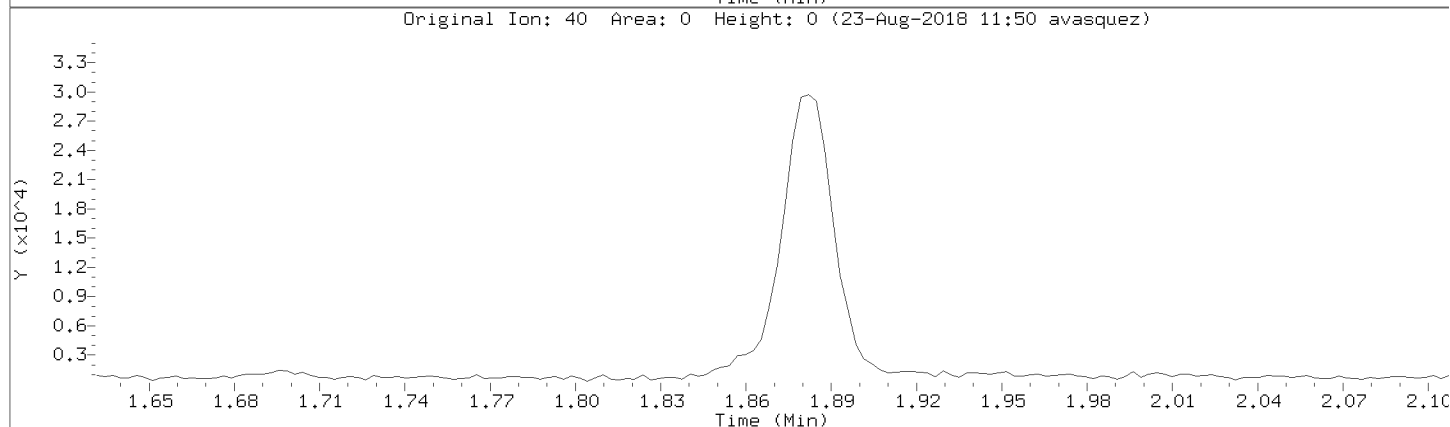
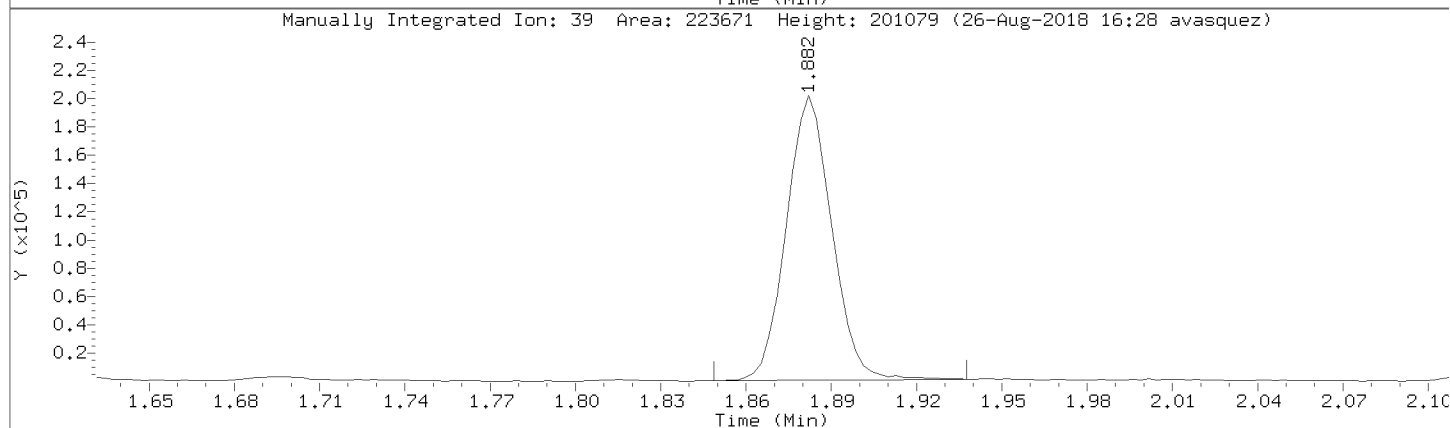
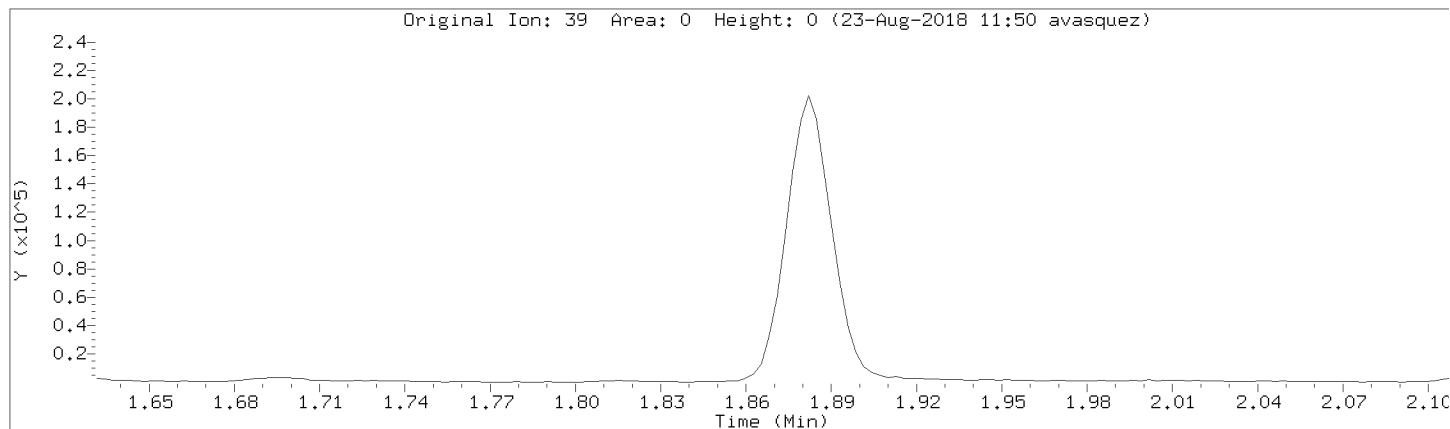
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL6

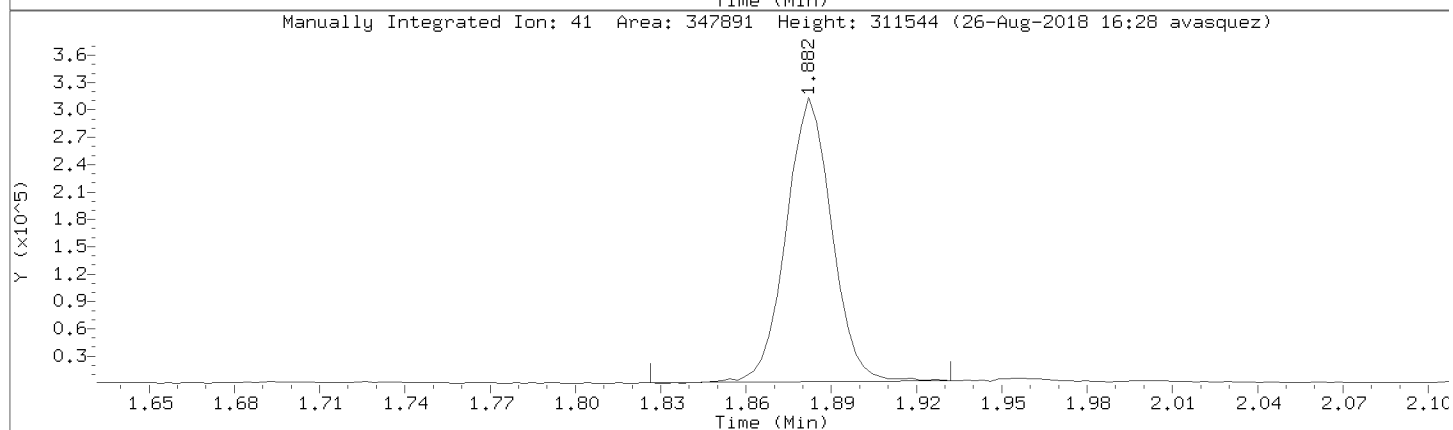
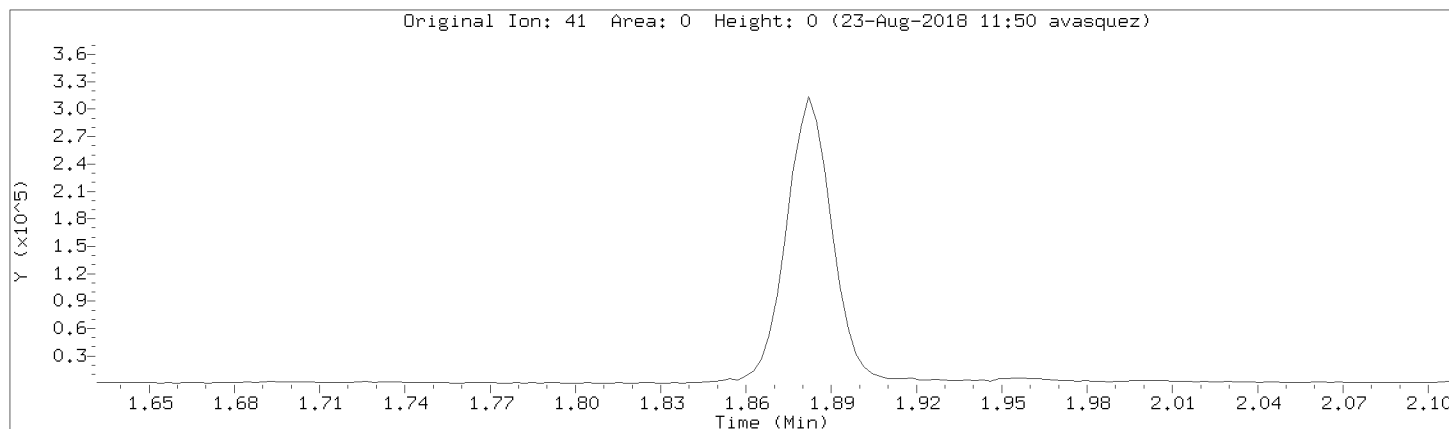
Compound: Acetonitrile

Review Code: NI

CAS Number: 75-05-8

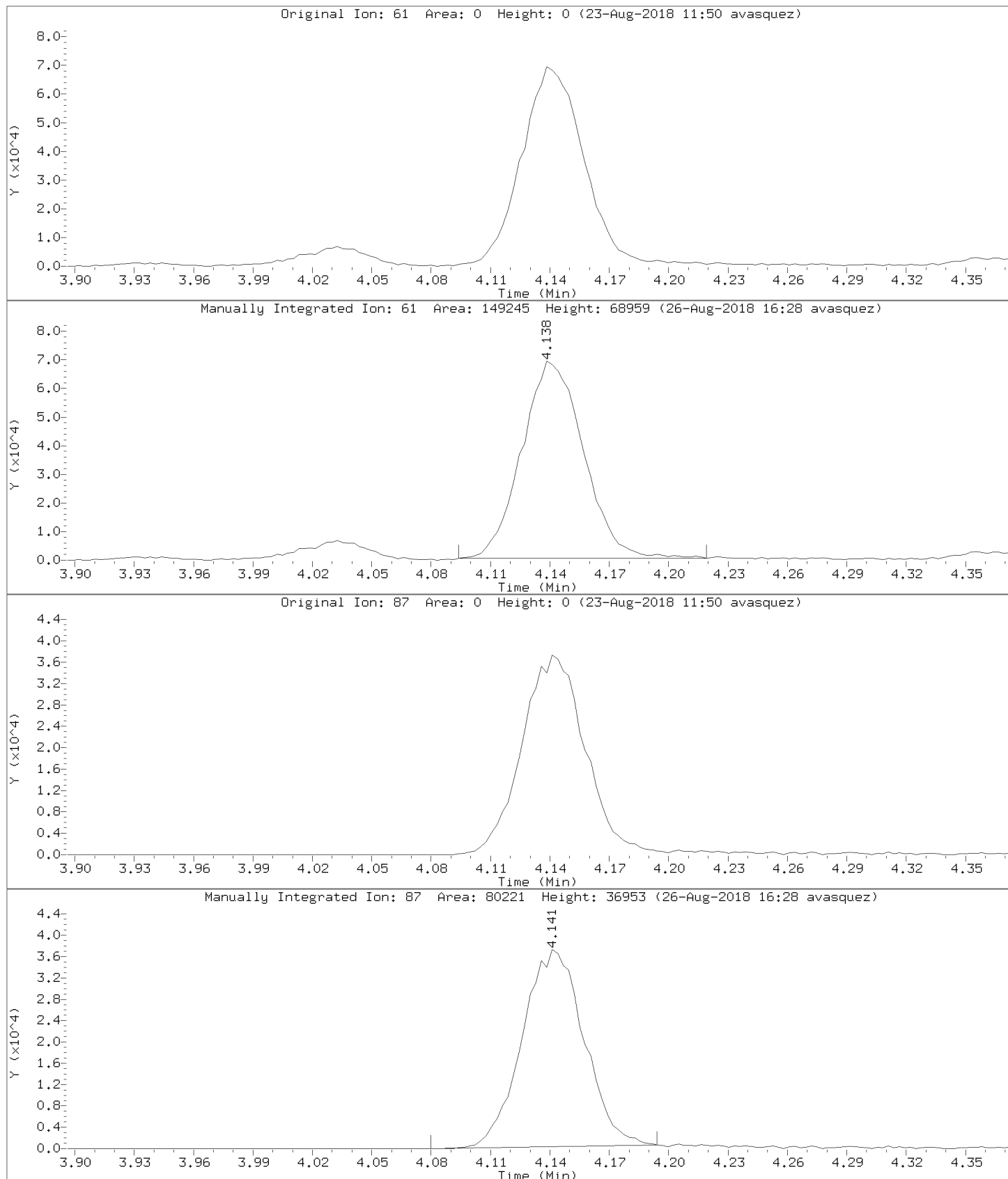


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6

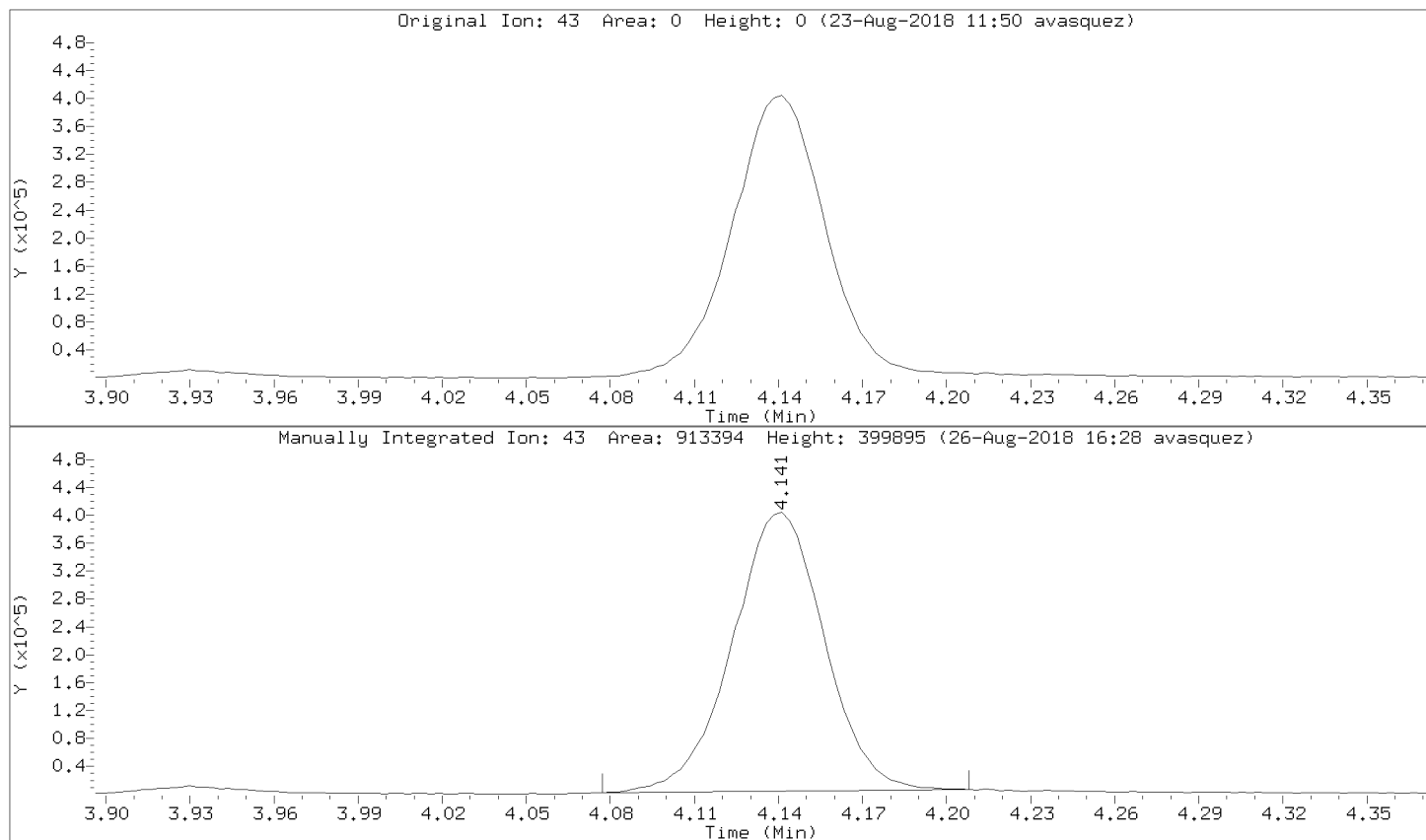


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Injection Date: 22-AUG-2018 17:02
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6

Compound: isopropyl acetate Review Code: NI
CAS Number: 108-21-4

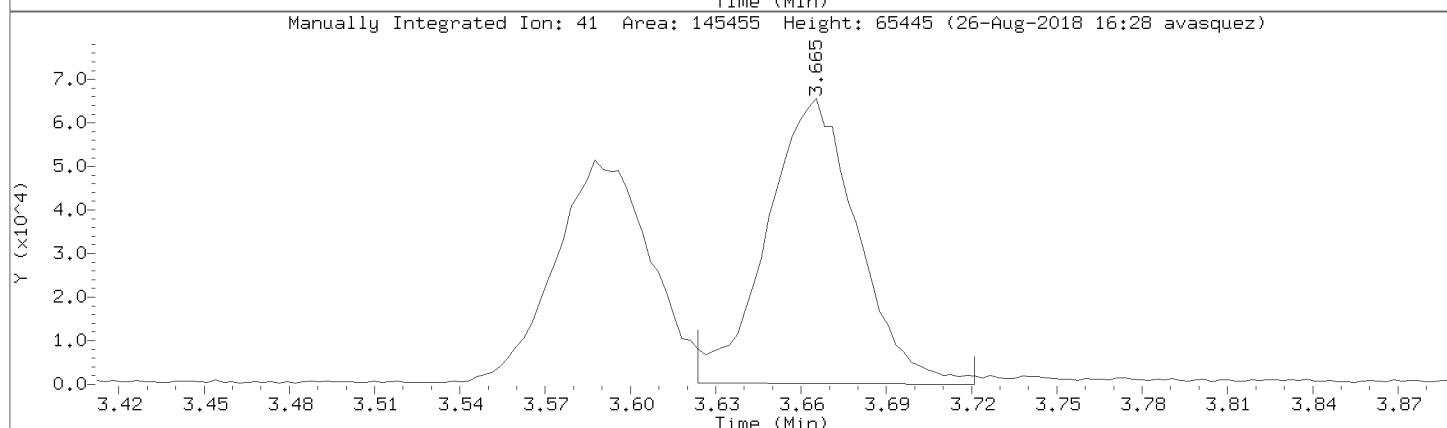
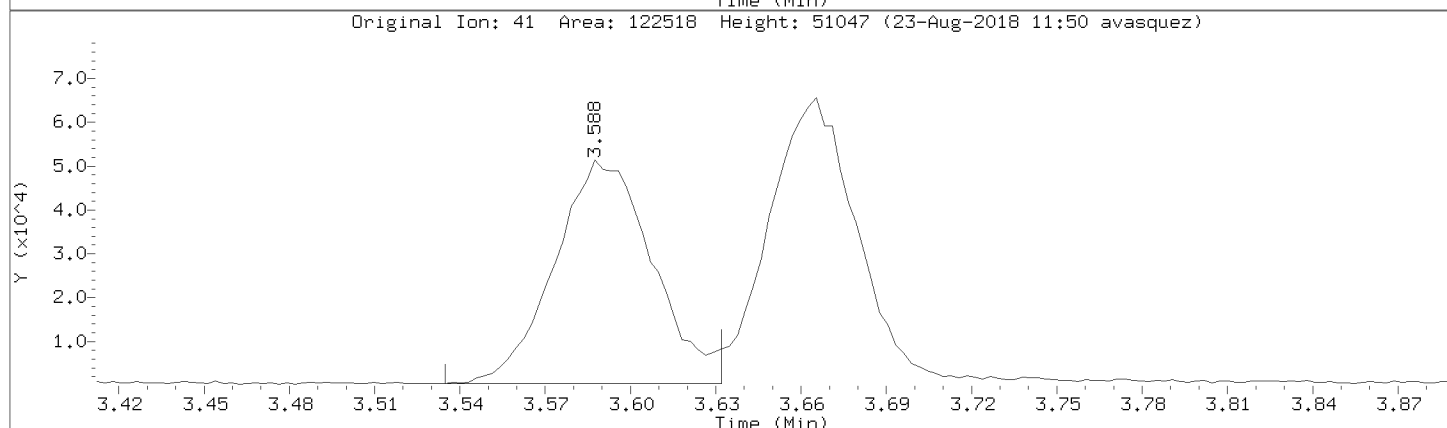
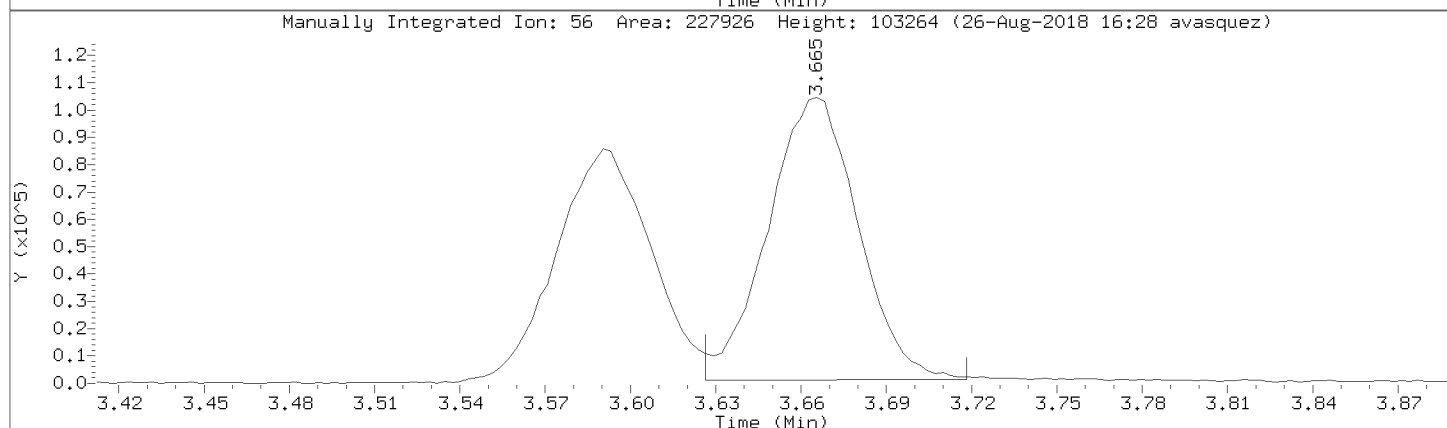
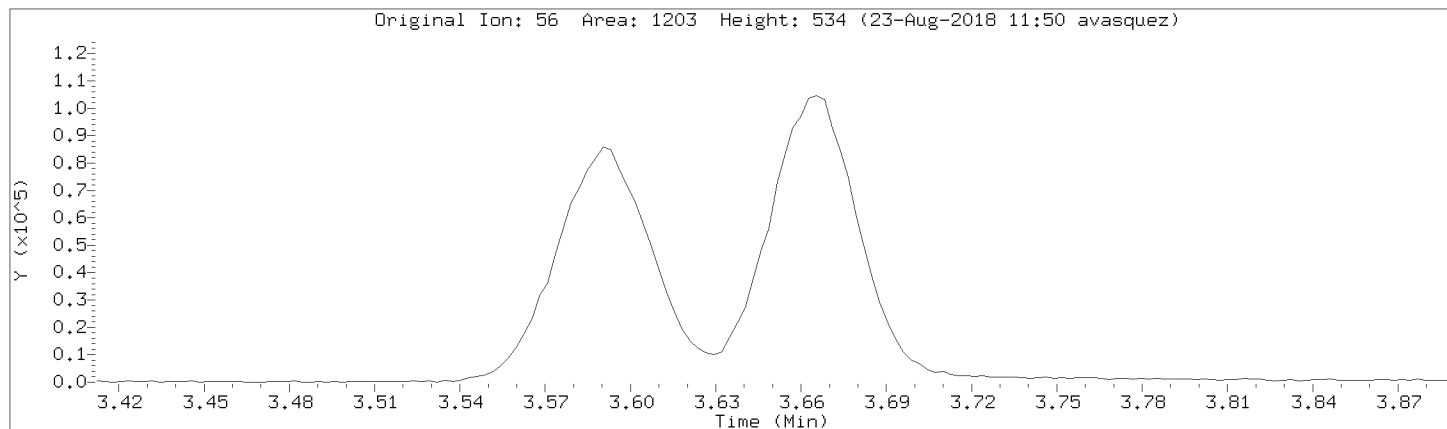


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Injection Date: 22-AUG-2018 17:02
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\07cal.d
Injection Date: 22-AUG-2018 17:02
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6

Compound: n-butyl chloride Review Code: WP
CAS Number: 109-69-3



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a082218.b\a08cal.d
 Lab Smp Id: 8260-CAL7 Client Smp ID: 8260-CAL7
 Inj Date : 22-AUG-2018 17:35
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 8260-cal7,184425:0
 Misc Info : 117473
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a082218.b\ -a8260_a_c.m
 Meth Date : 26-Aug-2018 16:30 50mv2a.i Quant Type: ISTD
 Cal Date : 15-AUG-2018 18:27 Cal File: a08cal.d
 Als bottle: 8 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					REVIEW		
			CAL-AMT	ON-COL	MASS	RT	EXP RT		REL RT	RESPONSE
1 Dichlorodifluoromethane	85		150.000	161		0.927	0.927	(0.213)	336800	
2 Chloromethane	50		150.000	152 (M)		1.027	1.032	(0.236)	277173	GT
3 Vinyl Chloride	62		150.000	141		1.069	1.069	(0.245)	318824	
4 Bromomethane	94		150.000	159		1.227	1.230	(0.282)	110433	
5 Chloroethane	64		150.000	152		1.275	1.277	(0.292)	175366	
6 Trichlorofluoromethane	101		150.000	130 (M)		1.403	1.402	(0.322)	349892	NI
7 Diethyl ether	74		150.000	136		1.539	1.539	(0.353)	151714	
8 1,2-dichlorotrifluoroethane	67		150.000	153		1.536	1.536	(0.352)	287049	
9 Acrolein	56		3000.00	2640 (M)		1.614	1.614	(0.370)	1135916	NI
10 1,1,2trichlorotrifluoroethane	101		150.000	146		1.664	1.667	(0.382)	254387	
11 1,1-Dichloroethene	96		150.000	132 (M)		1.675	1.675	(0.384)	231305	NI
12 Acetone	43		750.000	765 (M)		1.695	1.695	(0.389)	374363	NI
13 Iodomethane	142		300.000	286 (M)		1.770	1.770	(0.406)	564689	NI
14 Carbon Disulfide	76		150.000	142		1.814	1.814	(0.416)	737315	
15 Methyl Acetate	43		150.000	149		1.695	1.695	(0.389)	366716	
16 Acetonitrile	39		150.000	86.0 (M)		1.881	1.881	(0.431)	478827	LT
17 allyl chloride	41		300.000	201 (QM)		1.881	1.881	(0.431)	733261	NI
18 Methylene Chloride	84		150.000	148 (M)		1.956	1.956	(0.449)	242020	NI
19 tert-Butyl Alcohol	59		300.000	285 (Q)		2.003	2.003	(0.460)	45012	
20 Acrylonitrile	53		600.000	552 (M)		2.115	2.112	(0.485)	432028	BA
21 Methyl-tert-butyl ether	73		150.000	149		2.134	2.134	(0.490)	801877	
22 1,2-Dichloroethene (trans)	96		150.000	141		2.140	2.140	(0.491)	270015	
23 n-Hexane	57		150.000	148		2.335	2.335	(0.535)	549508	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
24 Vinyl Acetate	43	2.485	2.485	(0.570)	3249158	600.000	545	
25 1,1-Dichloroethane	63	2.454	2.454	(0.563)	554431	150.000	152	
26 Chloroprene	53	2.529	2.529	(0.580)	595229	150.000	144	
27 Ethyl acetate	88	2.529	2.529	(0.580)	252525	1200.00	1200 (M)	WP
28 2-Butanone	72	2.986	2.983	(0.685)	135202	750.000	768	
29 1,2-Dichloroethene (cis)	96	2.972	2.969	(0.682)	287546	150.000	136	
30 2,2-Dichloropropane	77	2.972	2.972	(0.682)	429361	150.000	136 (M)	
31 Propionitrile	54	3.052	3.047	(0.700)	37882	150.000	147 (QM)	
32 Methacrylonitrile	41	3.211	3.214	(0.736)	214129	150.000	152	
33 Bromochloromethane	49	3.222	3.219	(0.739)	224366	150.000	133	
34 Tetrahydrofuran	42	3.272	3.269	(0.751)	99382	150.000	150	
35 Chloroform	83	3.311	3.311	(0.759)	496319	150.000	137	
\$ 36 Dibromofluoromethane (S)	113	3.500	3.503	(0.803)	86010	50.0000	49.8	
37 1,1,1-Trichloroethane	97	3.525	3.523	(0.809)	470165	150.000	151	
38 cyclohexane	56	3.589	3.587	(0.823)	612562	150.000	143	
150 n-butyl chloride	56	3.667	3.662	(0.841)	717108	150.000	141 (M)	NI
39 Carbon Tetrachloride	117	3.734	3.728	(0.856)	394251	150.000	140 (M)	NI
40 1,1-Dichloropropene	75	3.734	3.734	(0.856)	394020	150.000	149 (M)	NI
41 Benzene	78	4.007	4.004	(0.919)	1126718	150.000	150	
42 1,2-Dichloroethane	62	4.035	4.032	(0.925)	390925	150.000	142	
43 2,2,4-Trimethylpentane	57	4.121	4.121	(0.945)	1261517	150.000	145 (M)	NI
44 Isobutyl alcohol	43	3.937	3.662	(0.903)	67033	1350.00	1300 (M)	
* 45 Fluorobenzene	96	4.360	4.363	(1.000)	386759	50.0000		
46 isopropyl acetate	61	4.146	4.146	(0.951)	446907	600.000	594 (M)	NI
47 Trichloroethene	95	4.805	4.802	(1.102)	297832	150.000	145	
48 Methylcyclohexane	55	5.019	5.022	(1.151)	511925	150.000	142 (QM)	NI
49 1,2-Dichloropropane	63	5.070	5.067	(1.163)	284173	150.000	142 (M)	NI
50 1,4-Dioxane	88	5.242	5.245	(1.202)	18815	3000.00	3040	
51 Dibromomethane	93	5.200	5.200	(1.193)	157777	150.000	151	
52 Methyl methacrylate	69	5.248	5.248	(1.204)	197563	150.000	131 (M)	NI
53 Bromodichloromethane	83	5.398	5.398	(1.238)	374898	150.000	137	
54 2-Chloroethyl vinyl ether	63	5.773	5.771	(0.765)	413204	300.000	301	
55 cis-1,3-Dichloropropene	75	5.907	5.907	(0.783)	457263	150.000	153	
56 4-Methyl-2-Pentanone	43	6.102	6.099	(0.809)	1712072	750.000	739	
\$ 57 Toluene-d8	98	6.188	6.188	(0.820)	348831	50.0000	50.7	
58 Toluene	91	6.260	6.260	(0.830)	1211310	150.000	143	
59 trans-1,3-Dichloropropene	75	6.514	6.513	(0.864)	424425	150.000	151	
60 Ethyl Methacrylate	69	6.636	6.633	(0.880)	399846	150.000	154	
61 1,1,2-Trichloroethane	83	6.689	6.689	(0.887)	189657	150.000	154 (H)	WP
62 Tetrachloroethene	166	6.806	6.806	(0.902)	353475	150.000	156	
63 1,3-Dichloropropane	76	6.845	6.845	(0.907)	422063	150.000	153	
64 2-Hexanone	43	6.948	6.945	(0.921)	1167362	750.000	715	
65 Dibromochloromethane	129	7.048	7.045	(0.934)	291079	150.000	157	
66 1,2-Dibromoethane	107	7.137	7.134	(0.946)	235409	150.000	153	
* 67 Chlorobenzene-d5	117	7.543	7.540	(1.000)	281204	50.0000		
68 Chlorobenzene	112	7.565	7.565	(1.003)	747684	150.000	153	
69 1,1,1,2-Tetrachloroethane	131	7.640	7.640	(1.013)	276612	150.000	146	
70 Ethylbenzene	106	7.665	7.663	(1.016)	414840	150.000	146	
71 m&p-Xylene	106	7.763	7.763	(1.029)	1012361	300.000	286	
72 o-Xylene	106	8.072	8.072	(1.070)	477942	150.000	148	
73 Styrene	104	8.085	8.083	(1.072)	822087	150.000	150	
74 Bromoform	173	8.219	8.219	(0.887)	199442	150.000	146	
75 Isopropylbenzene	105	8.353	8.353	(1.107)	1306403	150.000	141	
\$ 76 4-Bromofluorobenzene	95	8.464	8.461	(1.122)	130904	50.0000	49.7	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
77 n-amyl acetate	70	8.241	8.241	(1.093)	755398	600.000	571	
78 Bromobenzene	77	8.567	8.567	(1.136)	480993	150.000	149 (M)	GT
79 1,1,2,2-Tetrachloroethane	83	8.578	8.575	(0.926)	294445	150.000	135	
80 trans-1,4-Dichloro-2-butene	53	8.617	8.614	(1.142)	114982	150.000	152	
81 1,2,3-Trichloropropane	110	8.603	8.603	(0.928)	94687	150.000	138	
82 n-Propylbenzene	91	8.653	8.650	(0.934)	1574726	150.000	145	
83 2-Chlorotoluene	91	8.709	8.709	(0.940)	895989	150.000	151	
84 1,3,5-Trimethylbenzene	105	8.775	8.775	(0.947)	1051259	150.000	140	
85 4-Chlorotoluene	126	8.787	8.787	(0.948)	304767	150.000	147	
86 tert-Butylbenzene	119	9.004	9.004	(0.971)	1246329	150.000	143	
87 1,2,4-Trimethylbenzene	105	9.034	9.034	(0.975)	1062829	150.000	141	
88 sec-Butylbenzene	105	9.151	9.151	(0.987)	1407450	150.000	145	
89 1,3-Dichlorobenzene	146	9.223	9.223	(0.995)	619491	150.000	151 (H)	WP
90 p-Isopropyltoluene	119	9.246	9.246	(0.998)	1235071	150.000	152	
* 91 1,4-Dichlorobenzene-d4	152	9.268	9.268	(1.000)	151283	50.0000	(Q)	
92 1,4-Dichlorobenzene	146	9.285	9.285	(1.002)	609672	150.000	148	
93 n-Butylbenzene	91	9.516	9.516	(1.027)	1115202	150.000	146	
94 1,2-Dichlorobenzene	146	9.532	9.532	(1.029)	566399	150.000	155	
95 1,2-Dibromo-3-chloropropane	155	10.033	10.033	(1.083)	57336	150.000	155	
96 1,2,4-Trichlorobenzene	180	10.548	10.545	(1.138)	410073	150.000	156	
97 Hexachlorobutadiene	225	10.642	10.640	(1.148)	219601	150.000	161	
98 Naphthalene	128	10.701	10.701	(1.155)	959730	150.000	157	
99 1,2,3-Trichlorobenzene	180	10.845	10.845	(1.170)	377028	150.000	160	
100 2-methyl-naphthalene	142	11.421	11.419	(1.232)	492935	150.000	157	
101 1-Methylnaphthalene	142	11.558	11.558	(1.247)	408950	150.000	162	

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

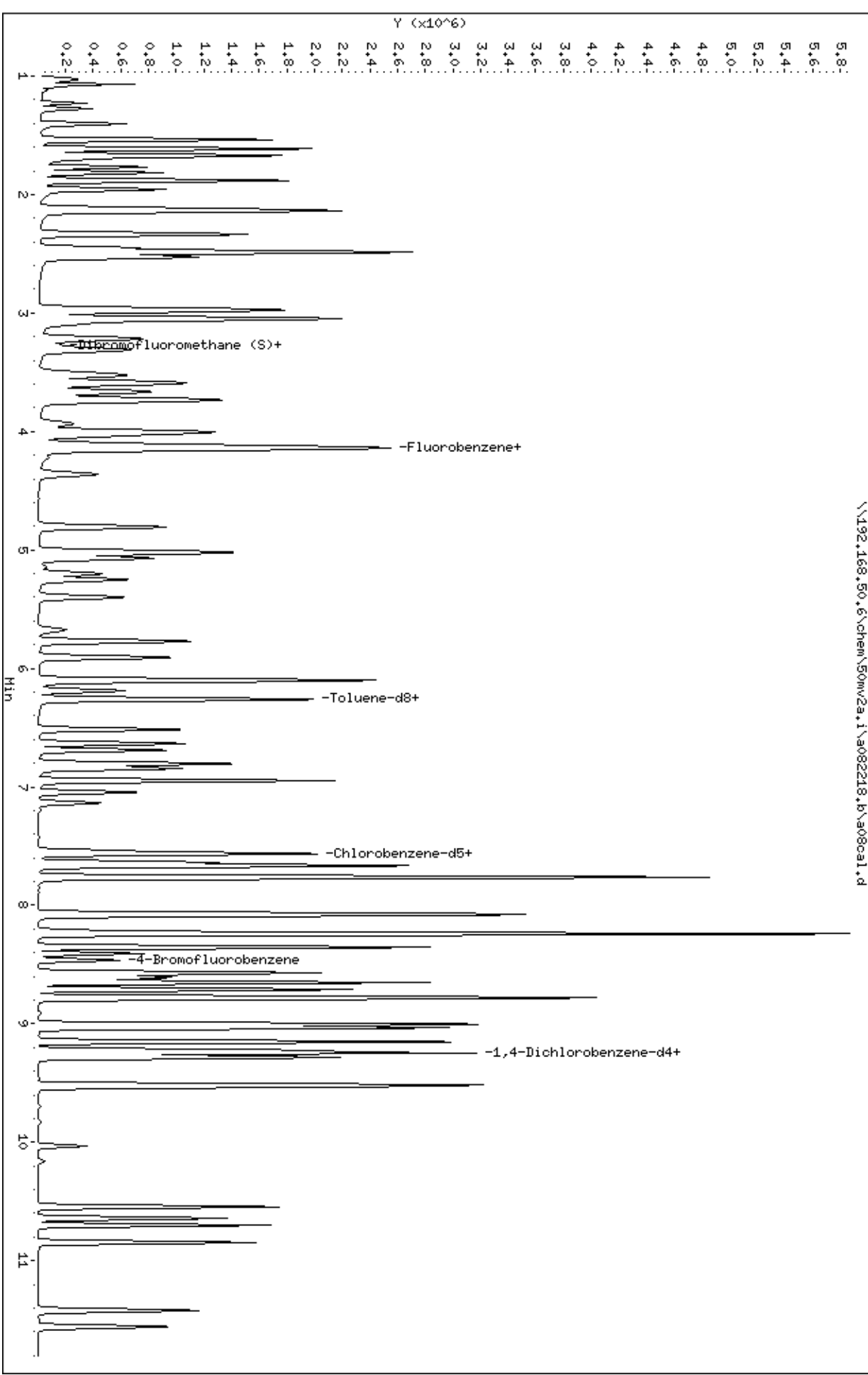
Review Codes Legend

- GT: Indicates that the peak in question was inappropriately integrated to an area greater than it should be (e.g., Peak tailing).
- NI: Indicates that the peak was not integrated at all by the computer software.
- LT: Indicates that the peak in question was inappropriately integrated to an area less than what it should be (e.g., Peak area was cut).
- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- WP: Indicates that the wrong peak was chosen by the data system.

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Sample Info: 8260-CAL7,18442510
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw2a.1
Operator: amw
Column diameter: 0.18

\\192.168.50.6\chem\50mw2a.1\A082218.b\A080a1.d



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Injection Date: 22-AUG-2018 17:35

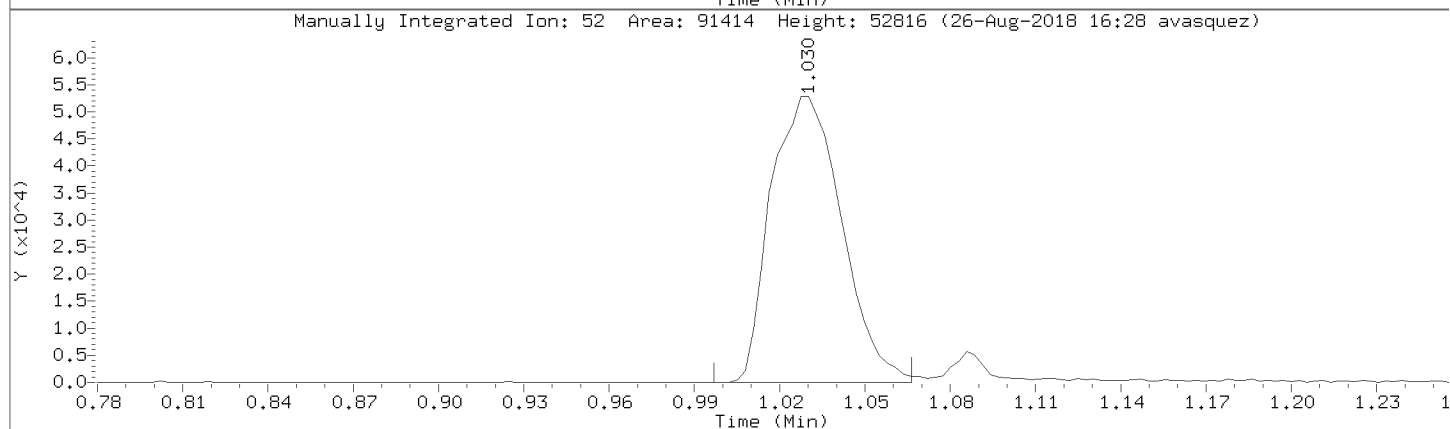
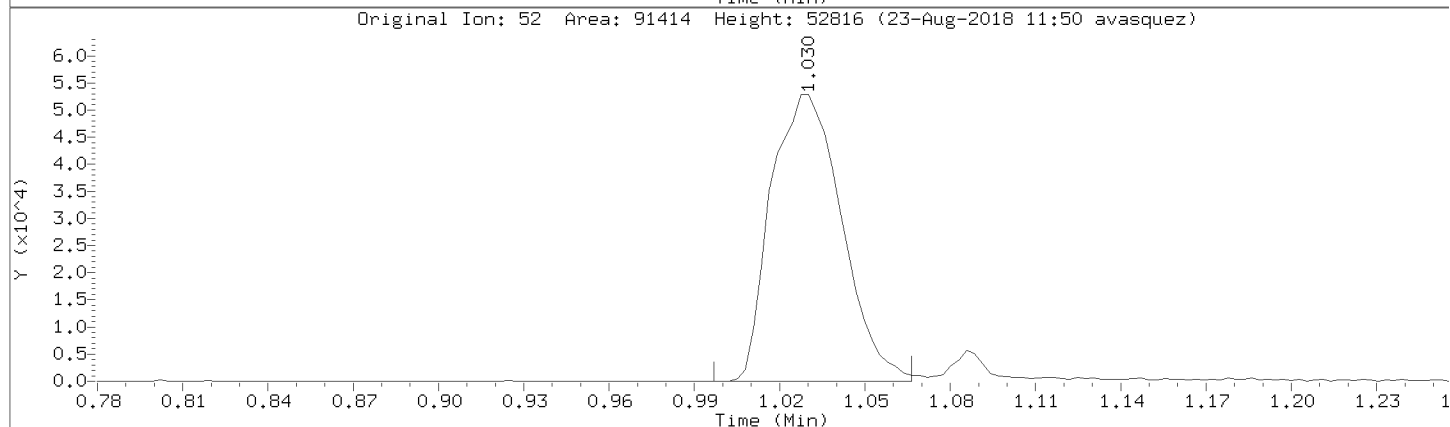
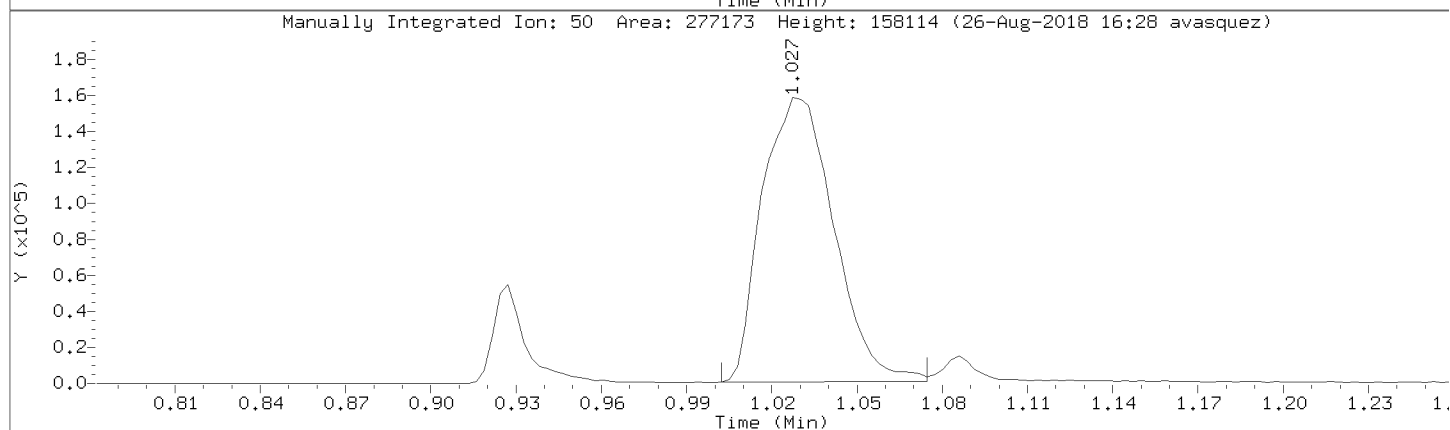
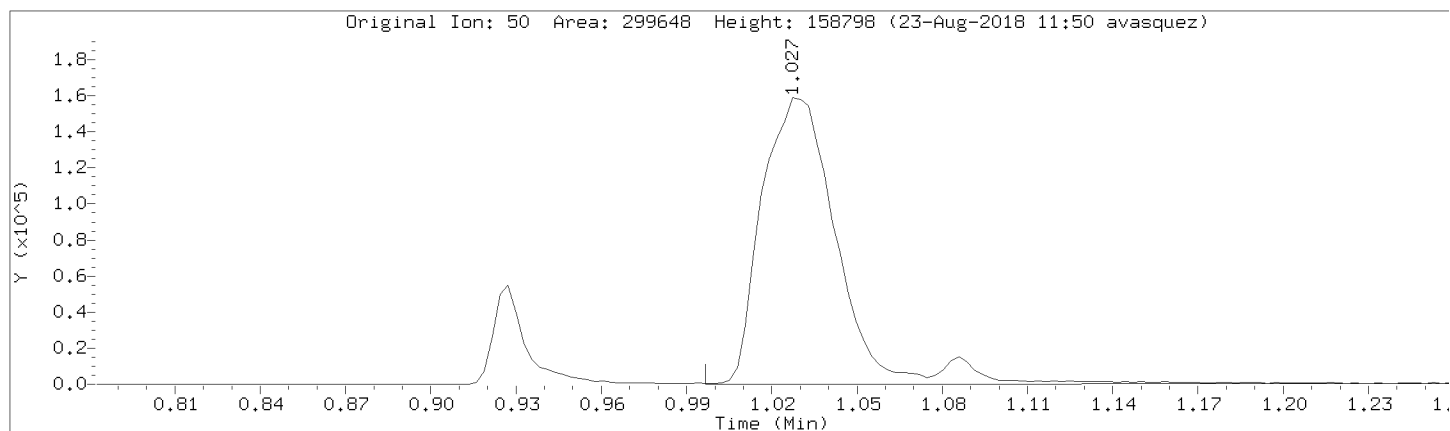
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

Compound: Chloromethane

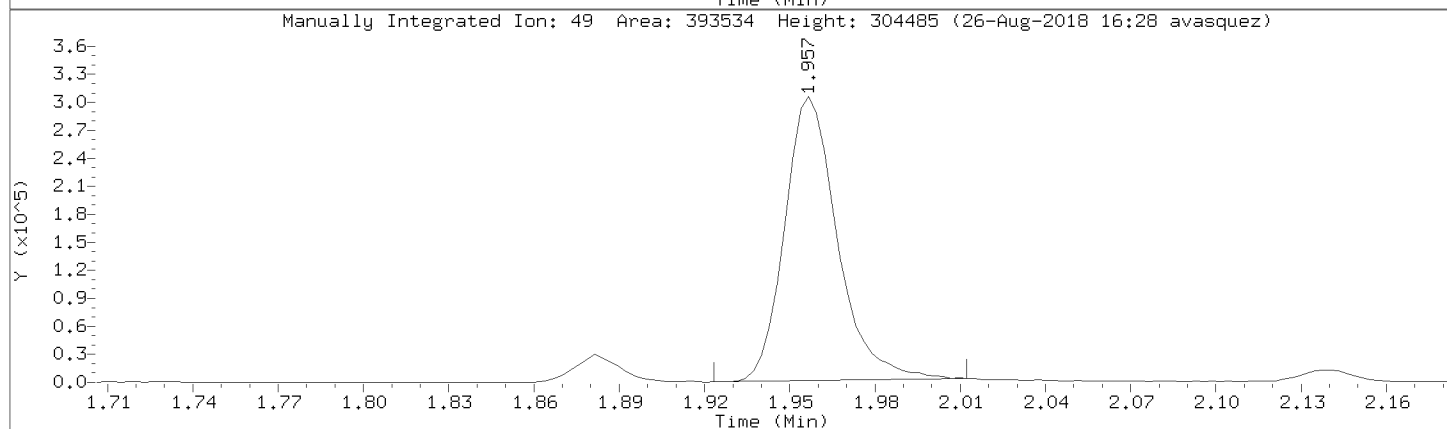
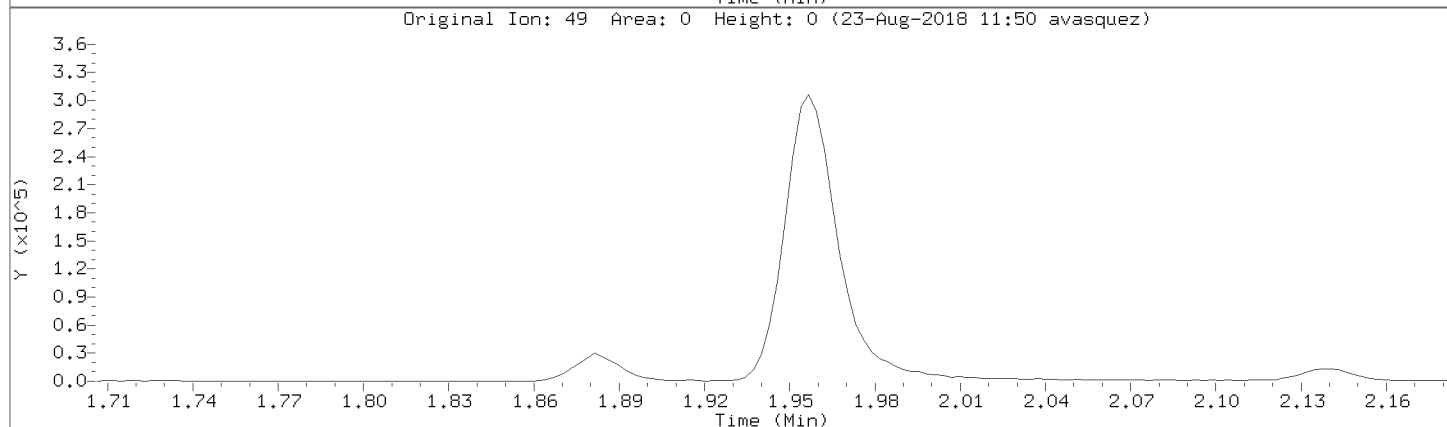
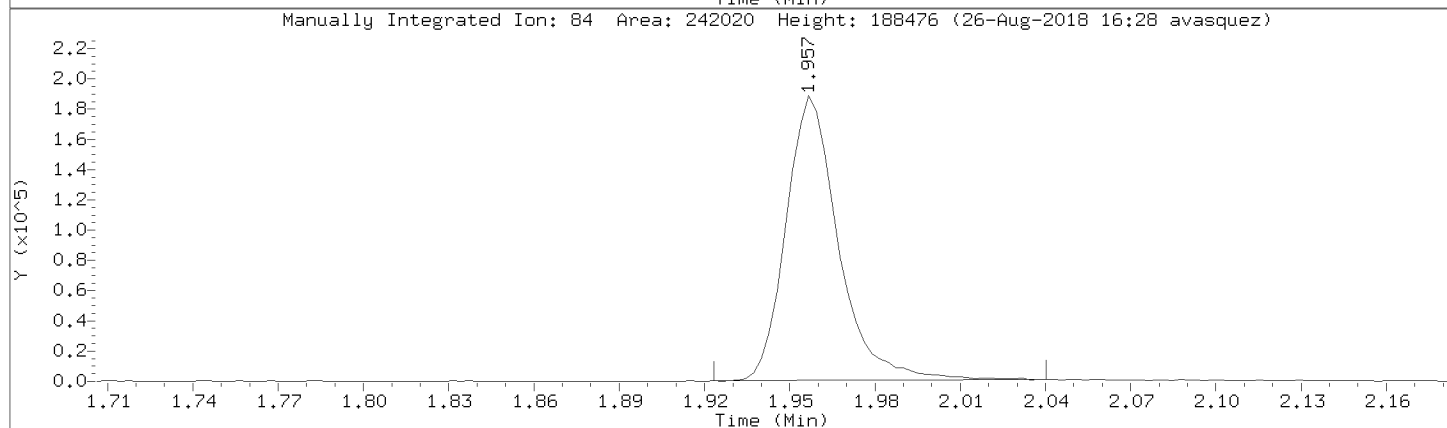
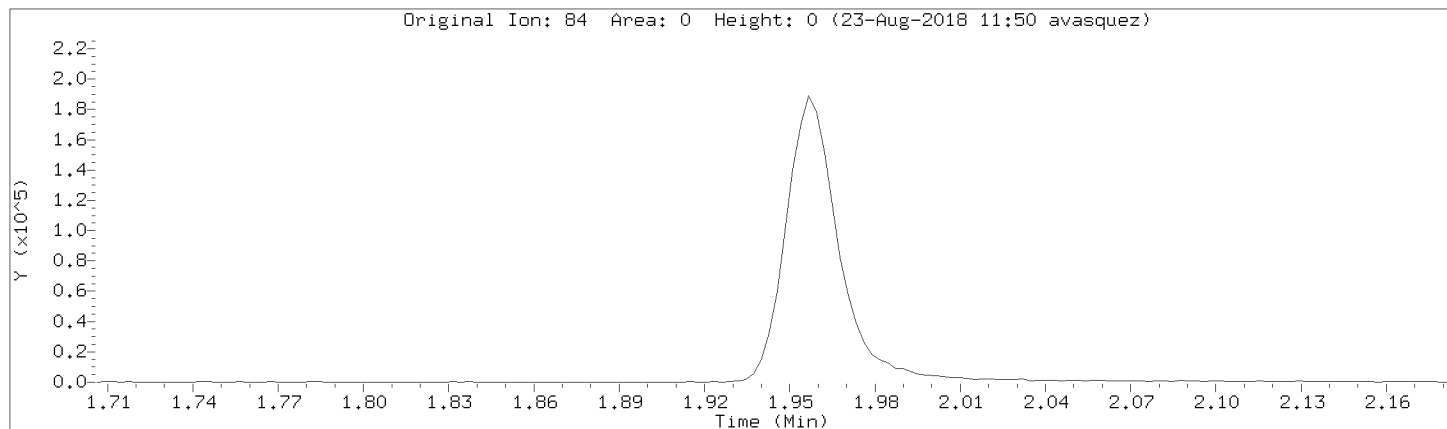
Review Code: GT

CAS Number: 74-87-3

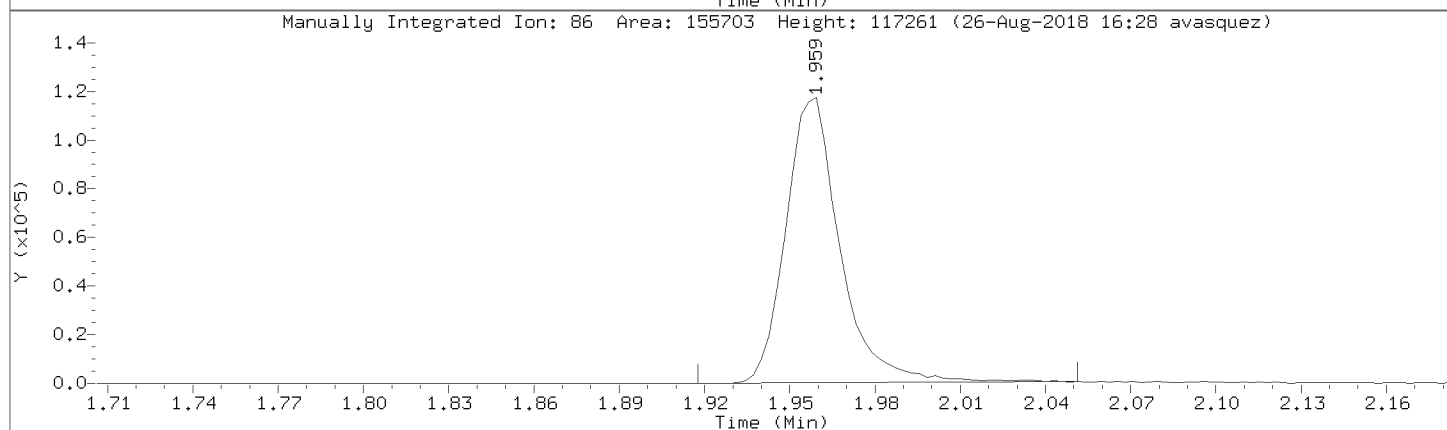
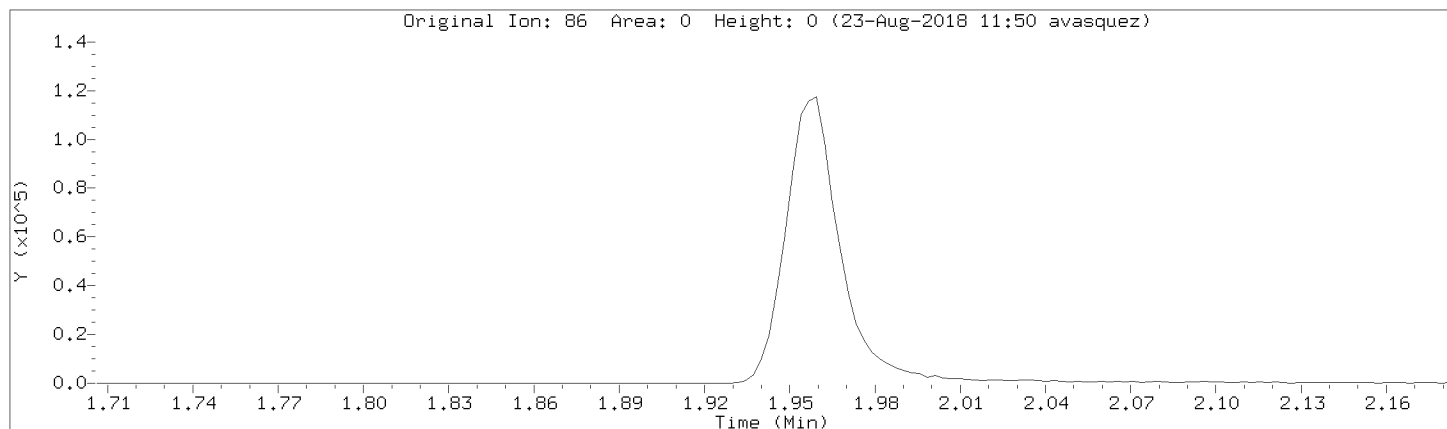


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Injection Date: 22-AUG-2018 17:35
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7

Compound: Methylene Chloride Review Code: NI
CAS Number: 75-09-2

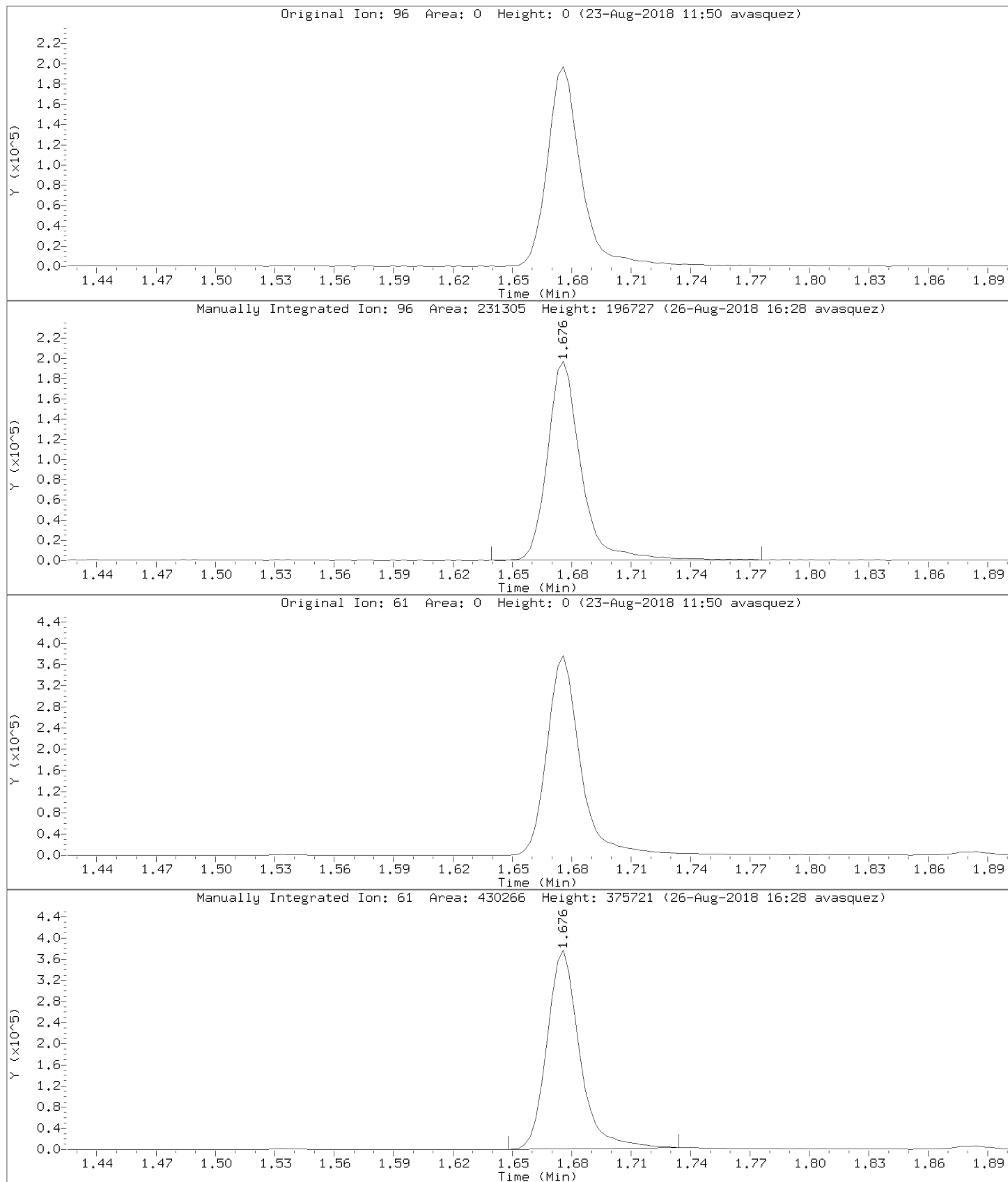


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Lab Sample ID: 8260-CAL7

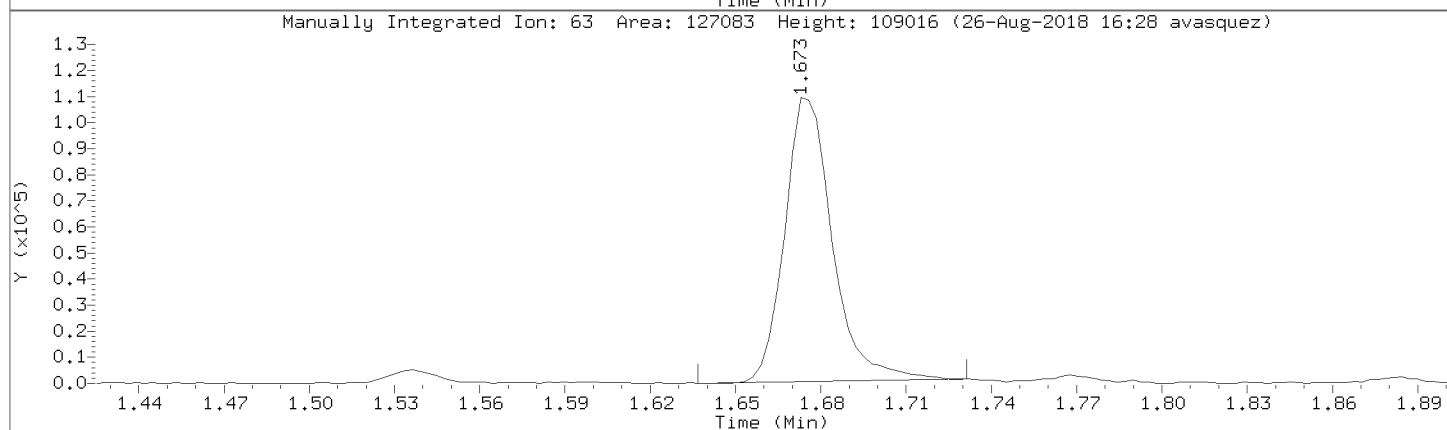
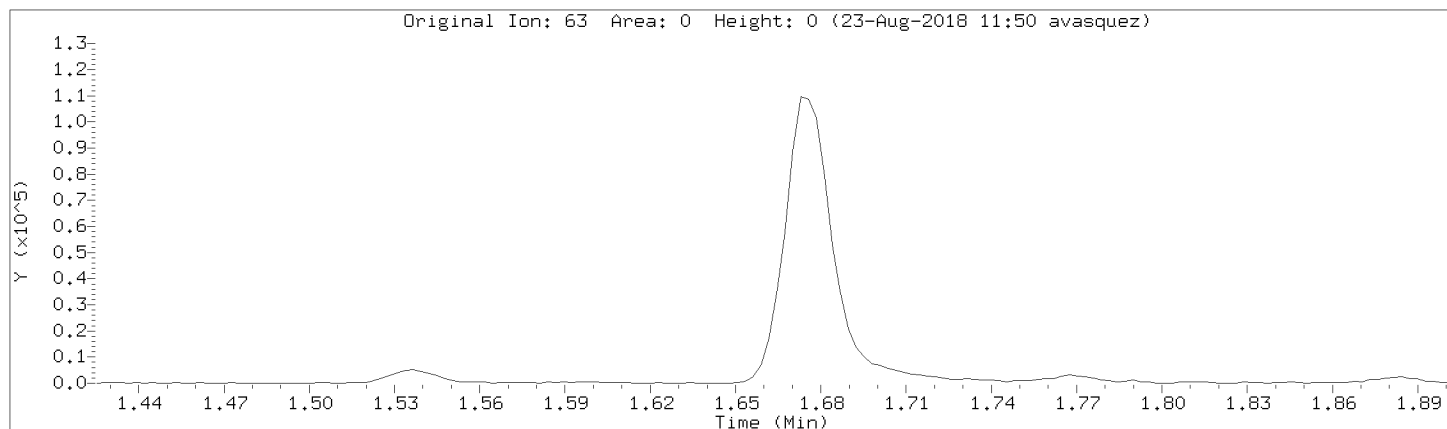


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7

Compound: 1,1-Dichloroethene Review Code: NI
CAS Number: 75-35-4



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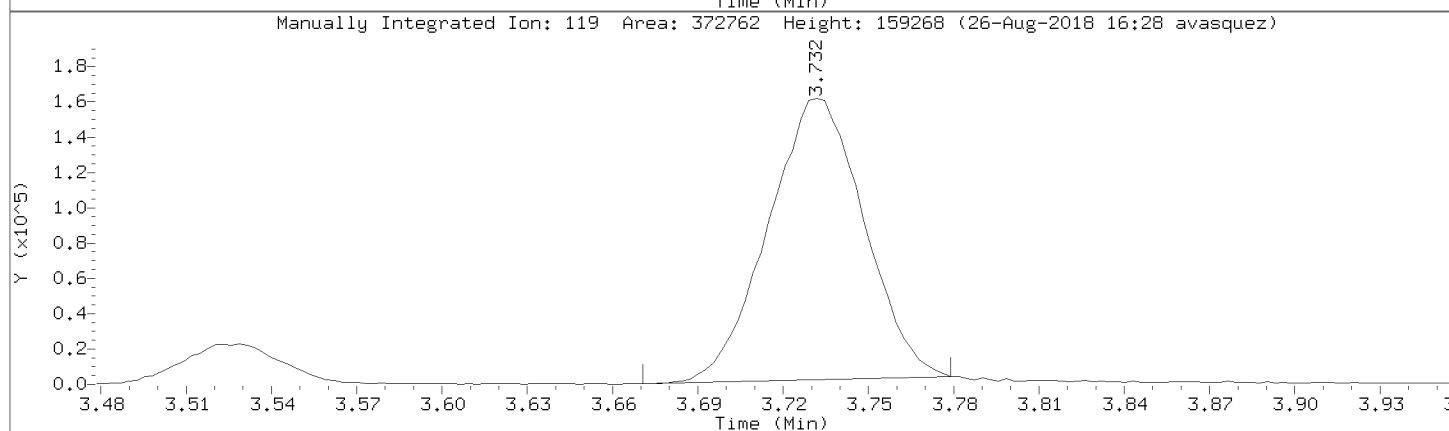
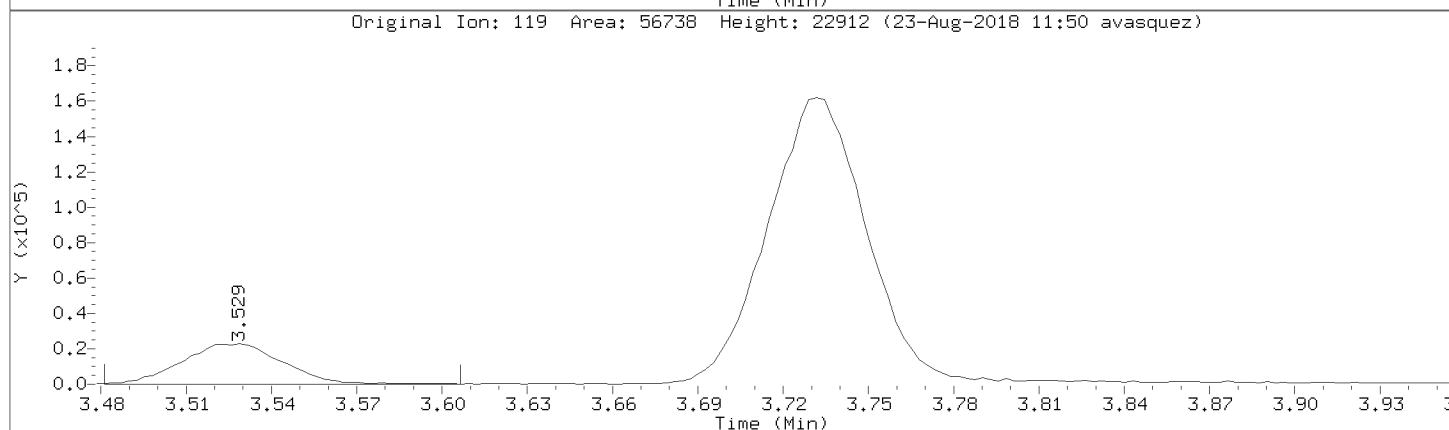
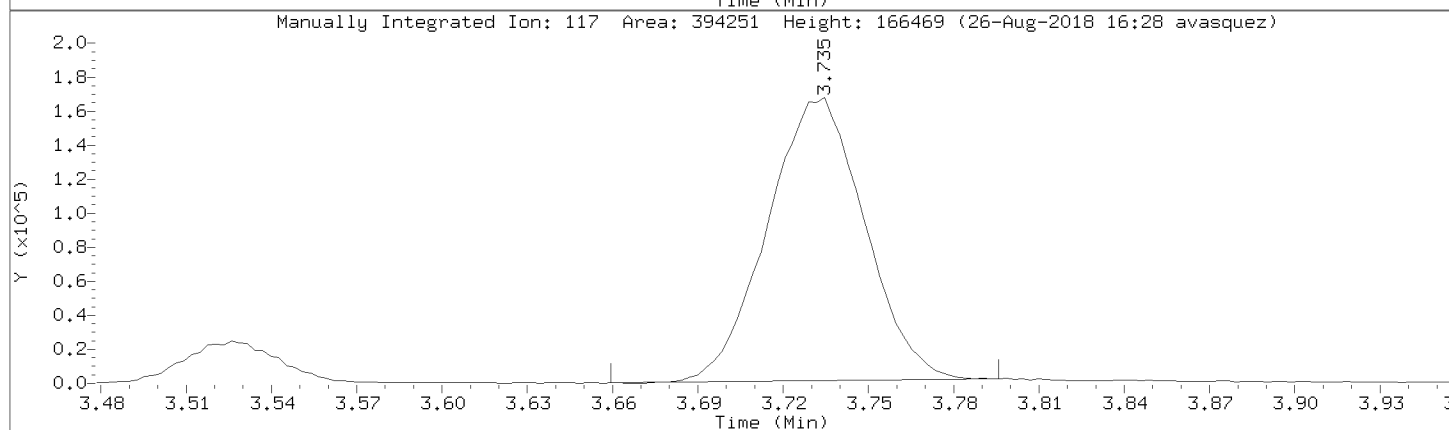
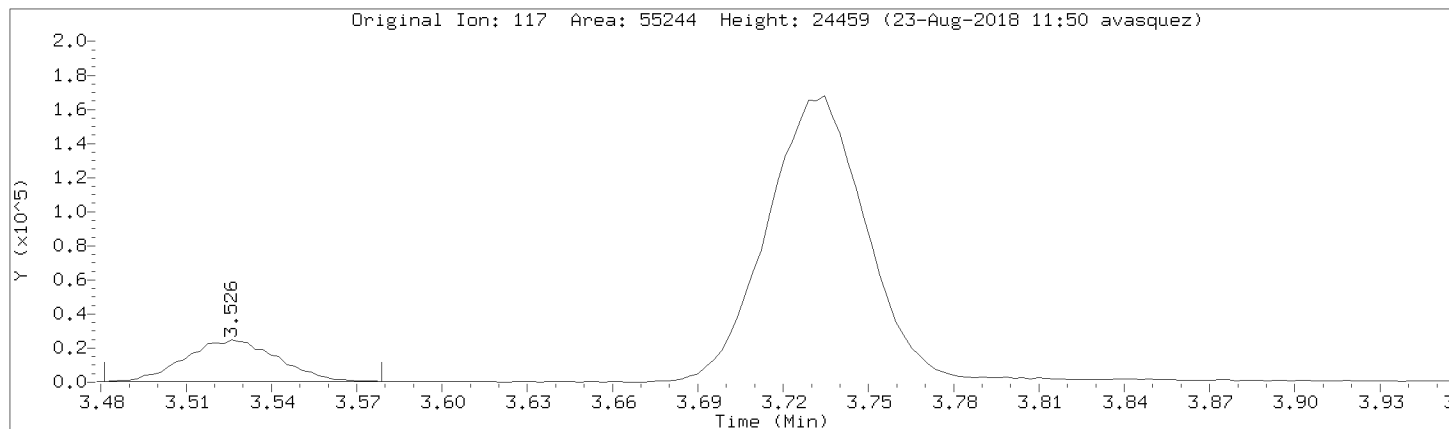
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

Compound: Carbon Tetrachloride

Review Code: NI

CAS Number: 56-23-5

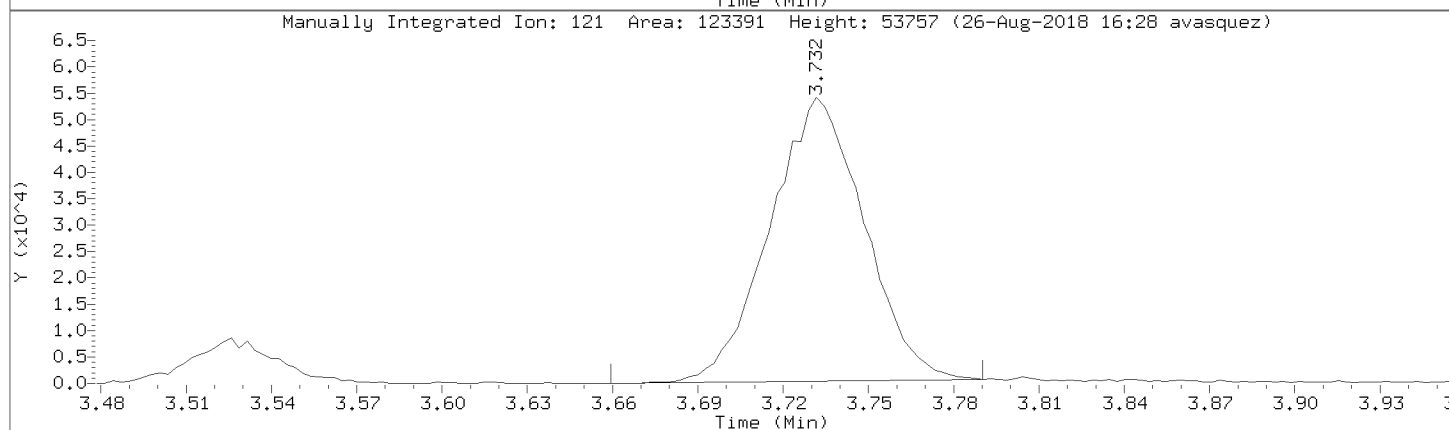
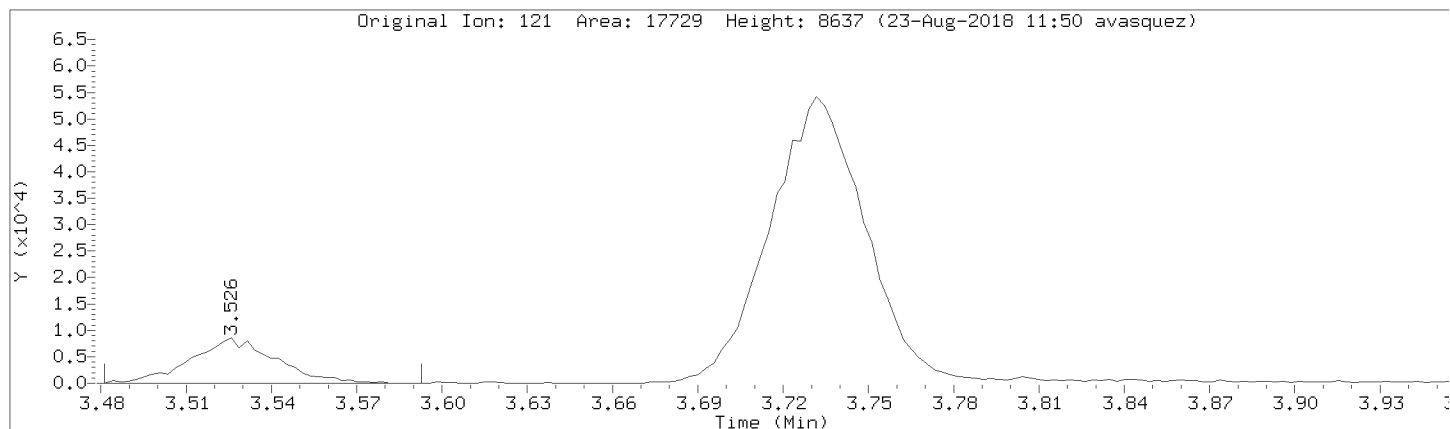


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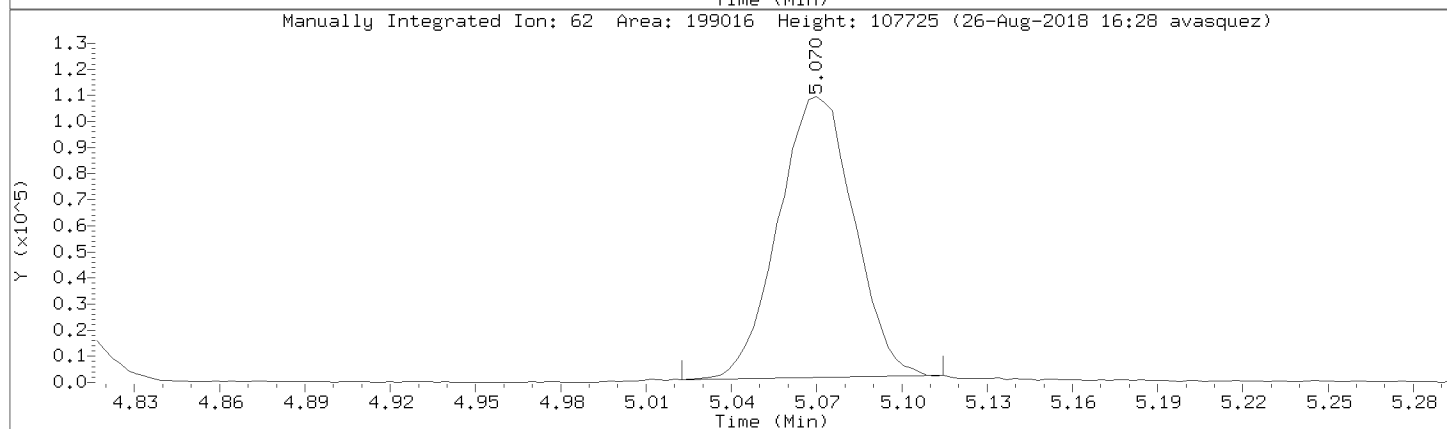
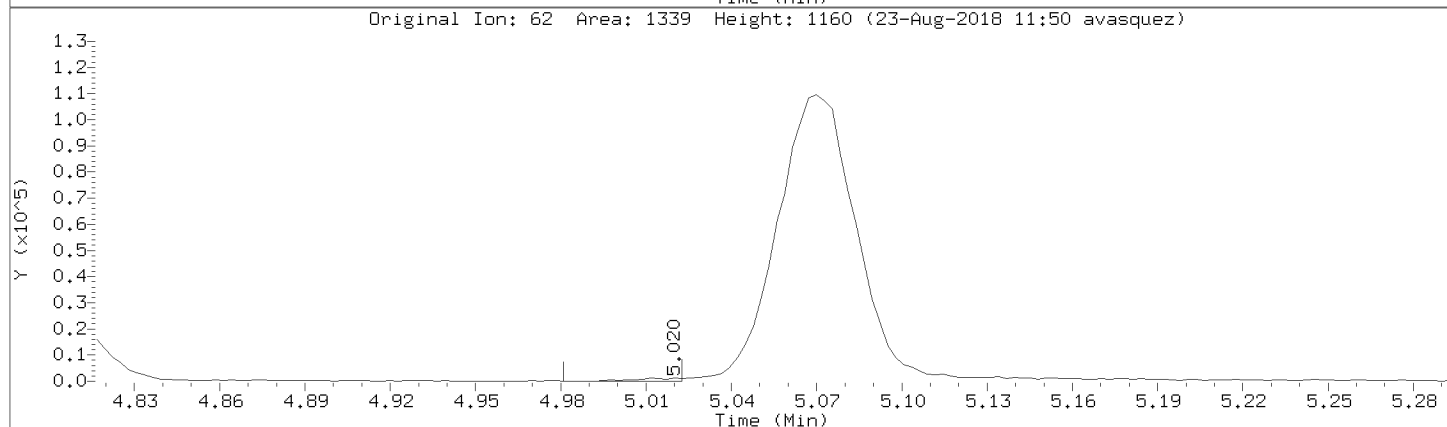
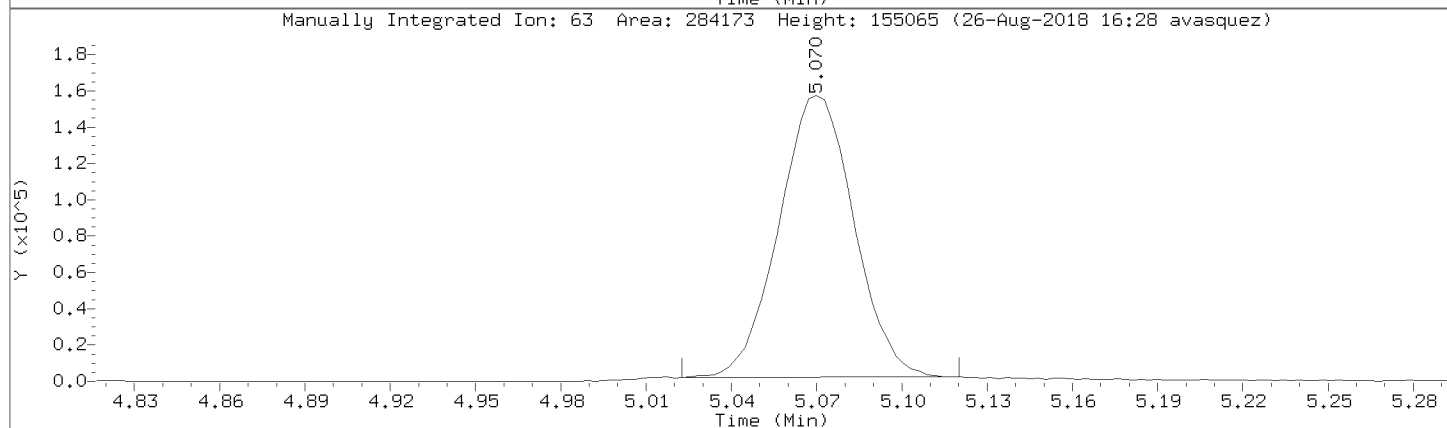
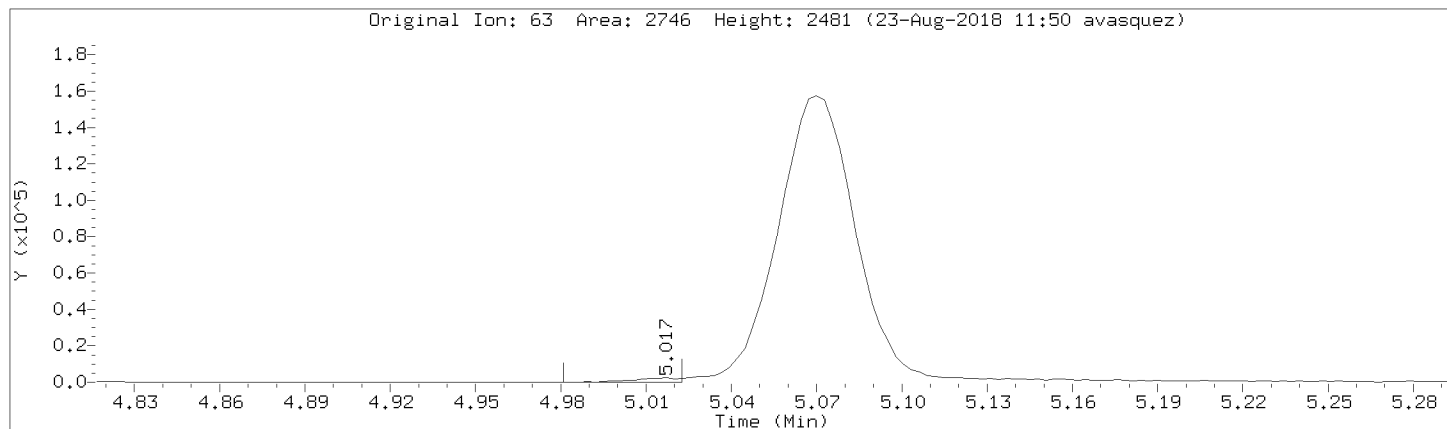
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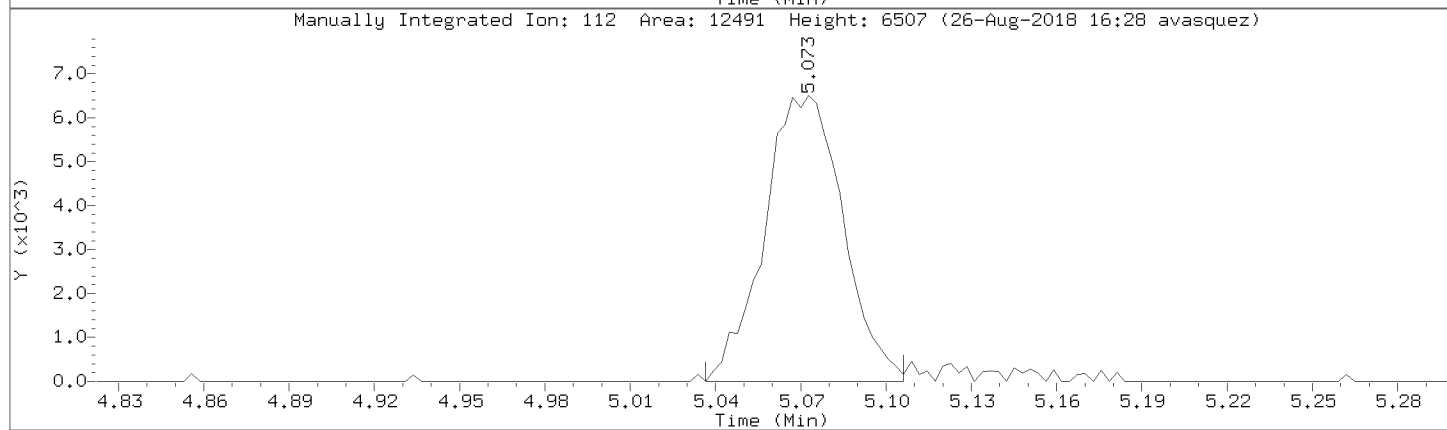
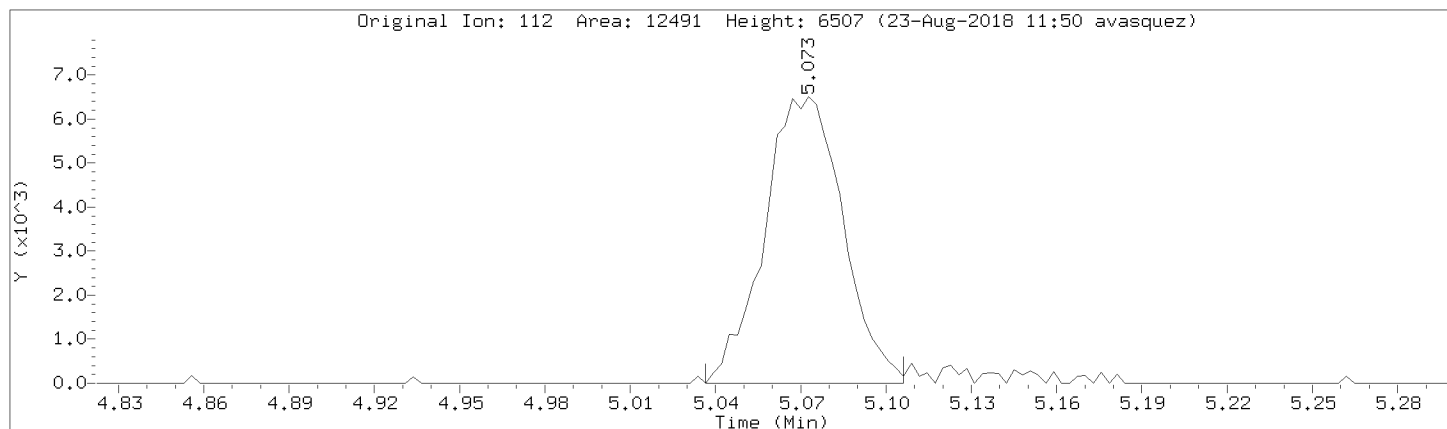


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7

Compound: 1,2-Dichloropropane Review Code: NI
CAS Number: 78-87-5



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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7



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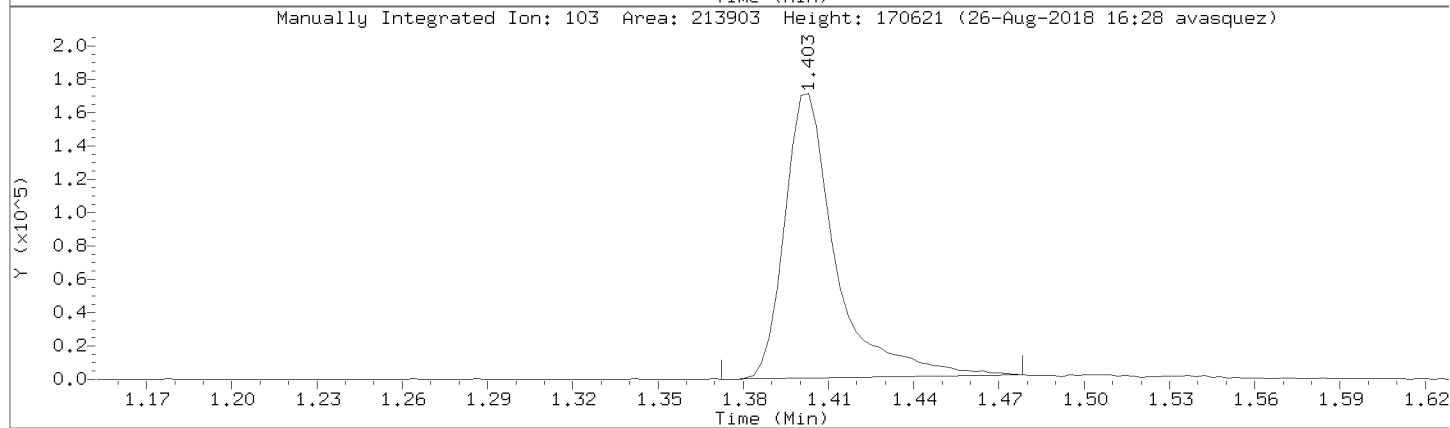
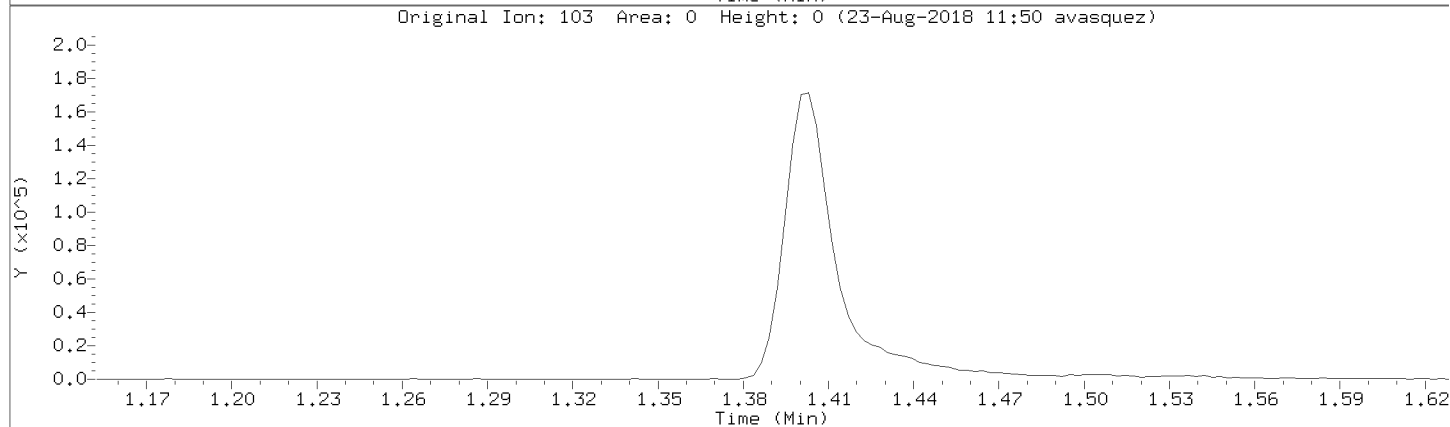
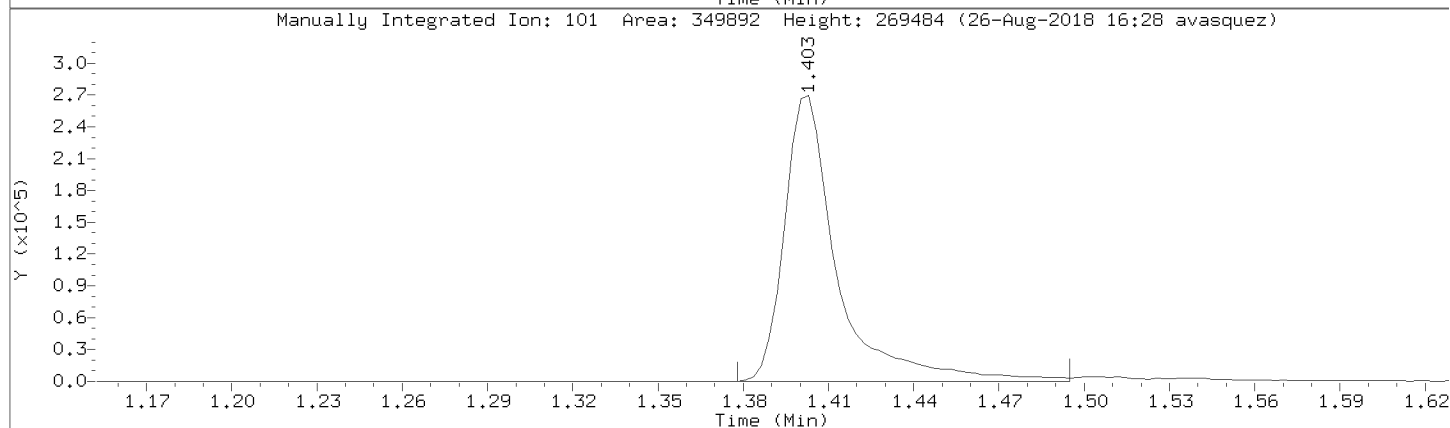
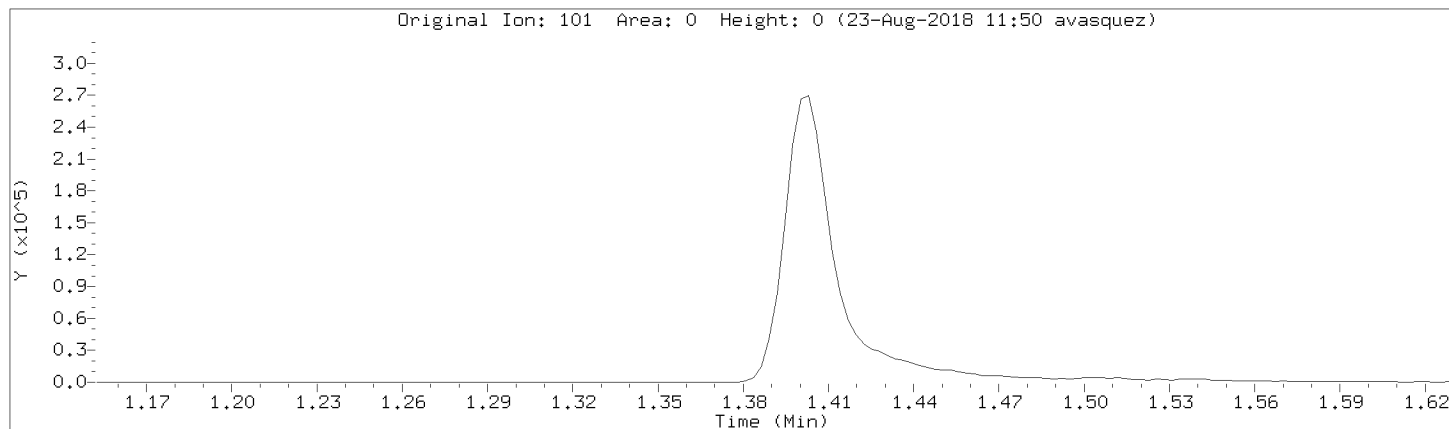
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Lab Sample ID: 8260-CAL7

Compound: Trichlorofluoromethane

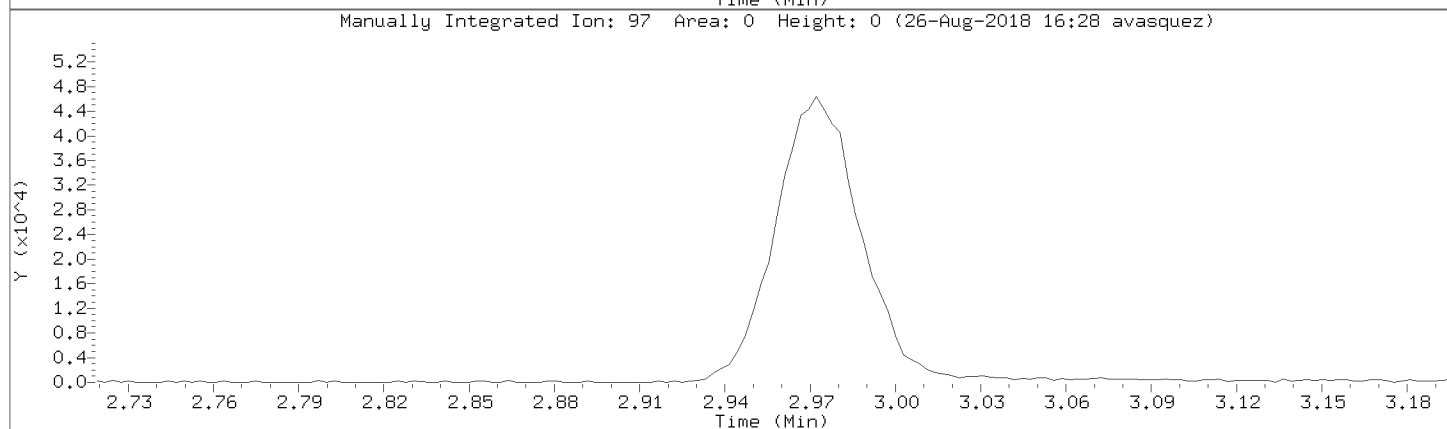
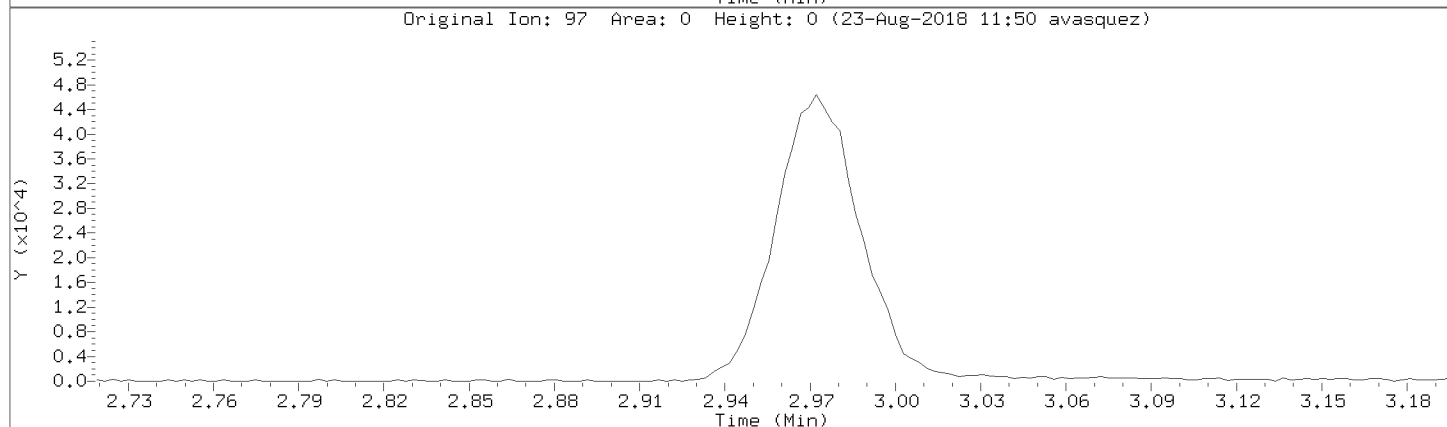
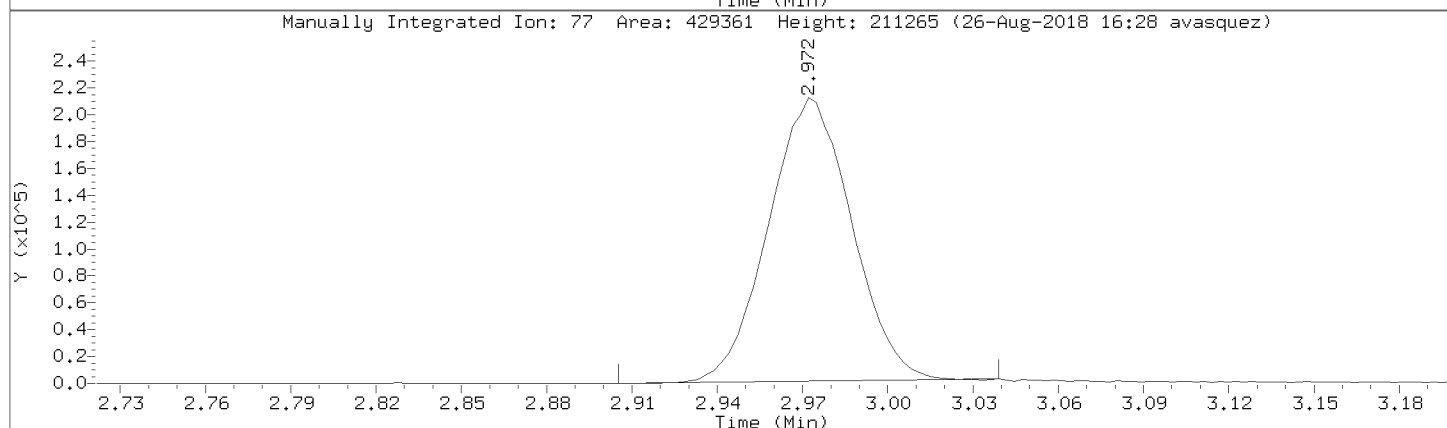
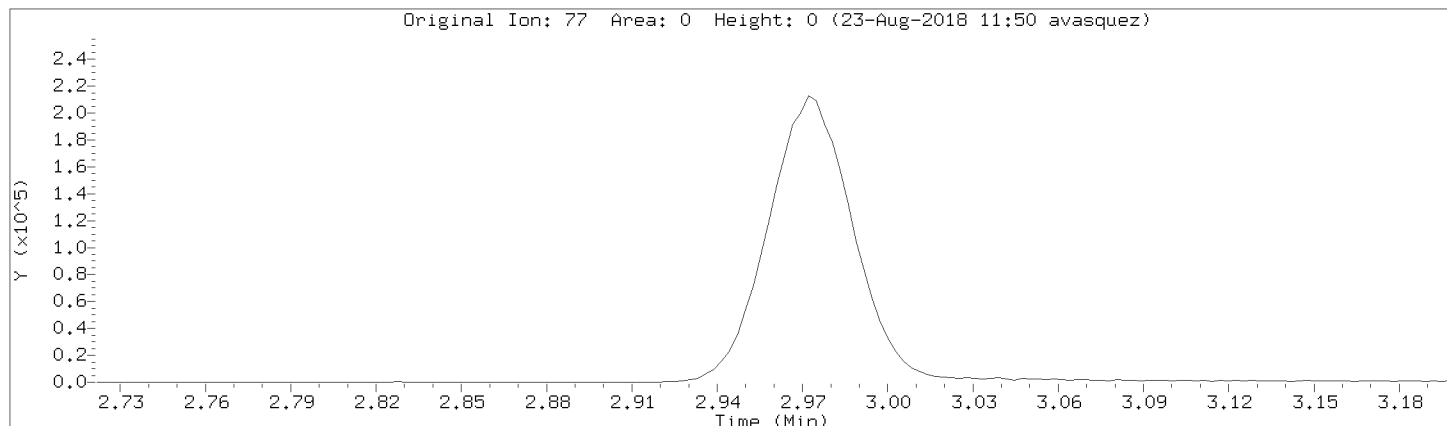
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CAS Number: 75-69-4



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Injection Date: 22-AUG-2018 17:35
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7

Compound: 2,2-Dichloropropane Review Code:
CAS Number: 594-20-7



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Injection Date: 22-AUG-2018 17:35

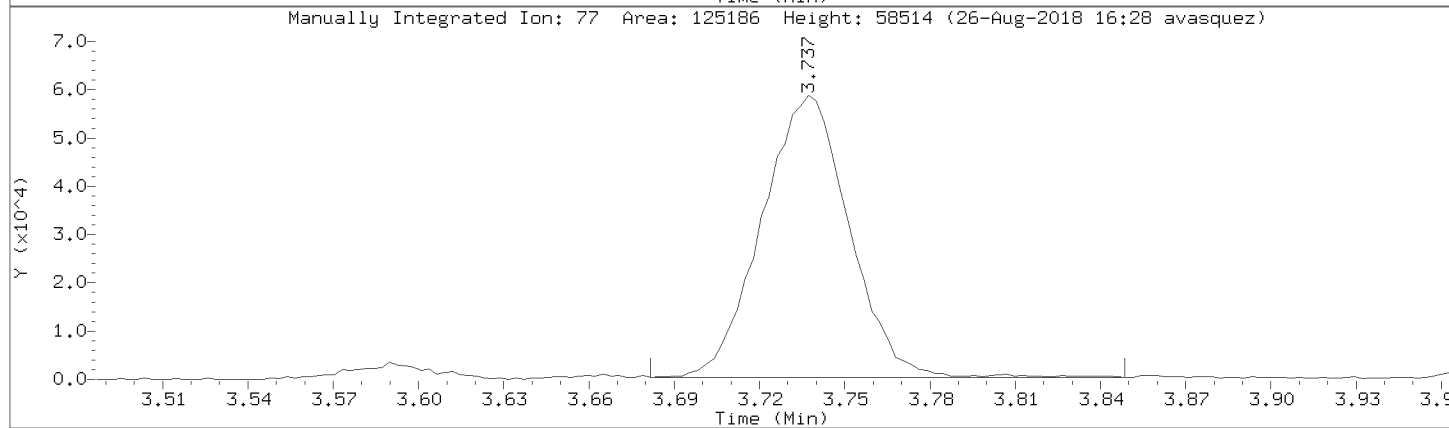
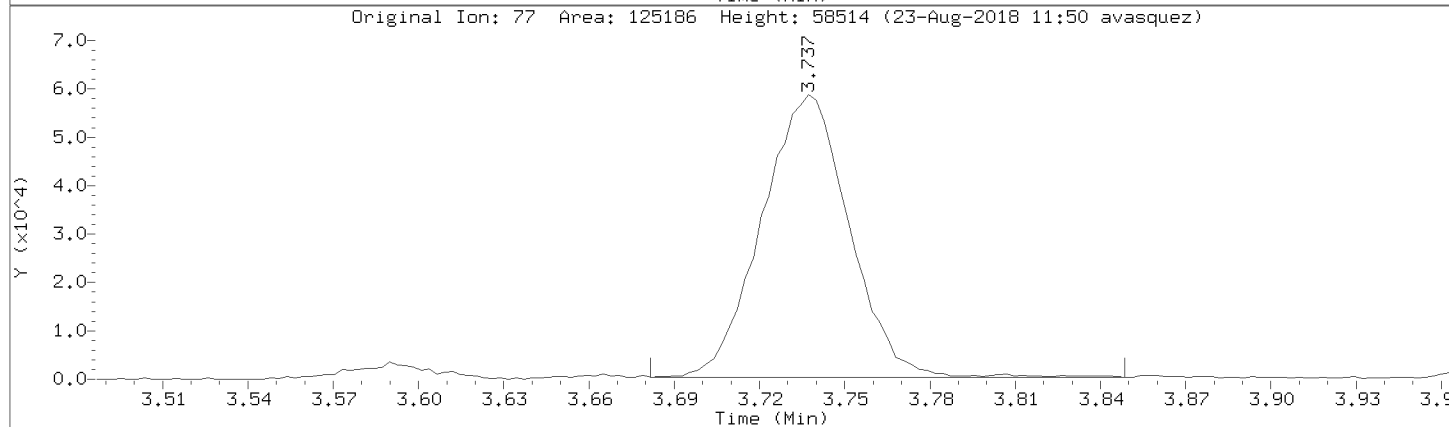
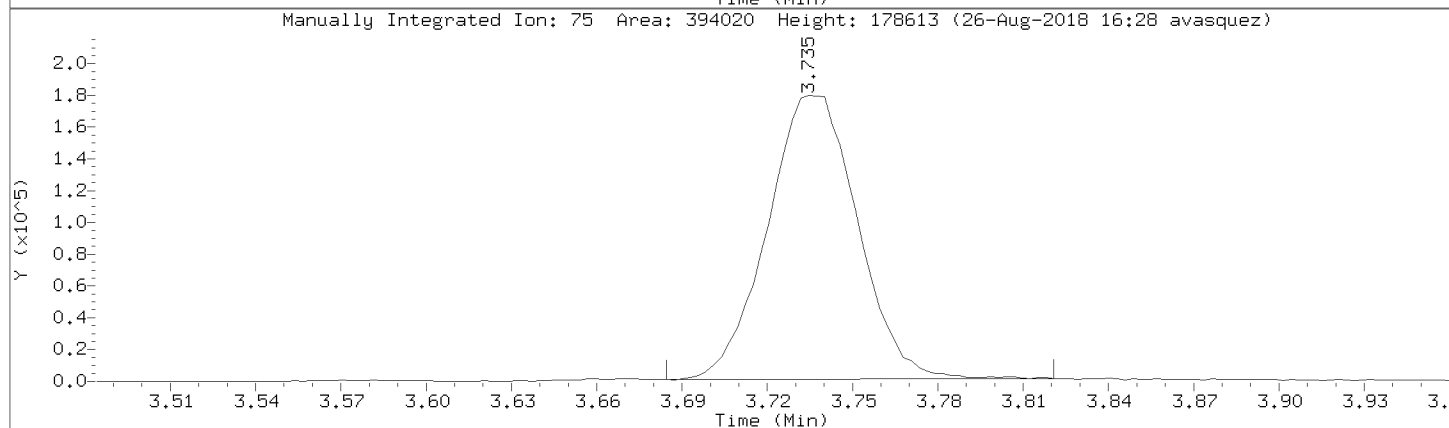
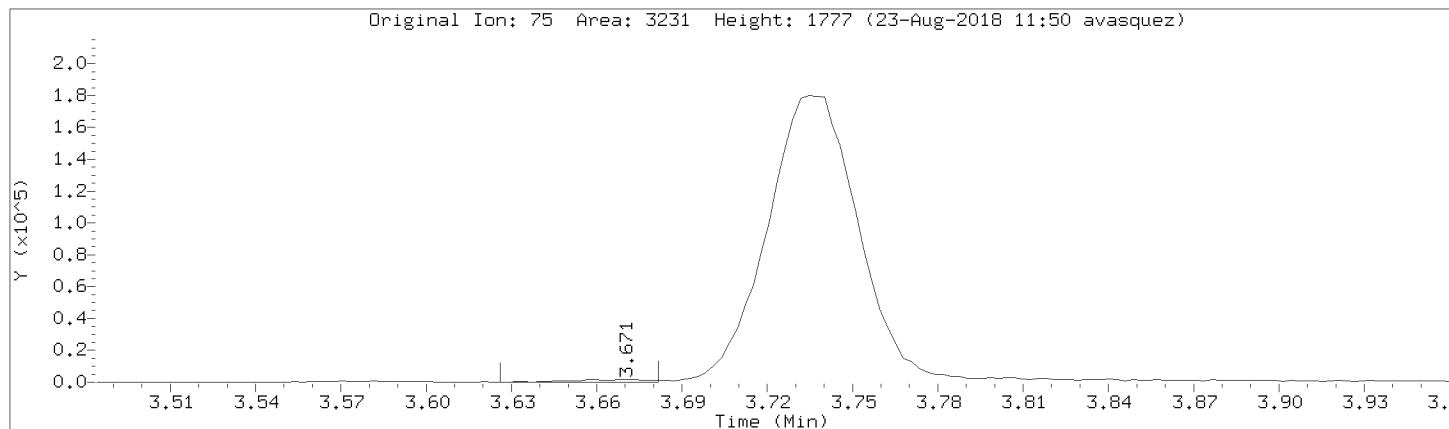
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

Compound: 1,1-Dichloropropene

Review Code: NI

CAS Number: 563-58-6

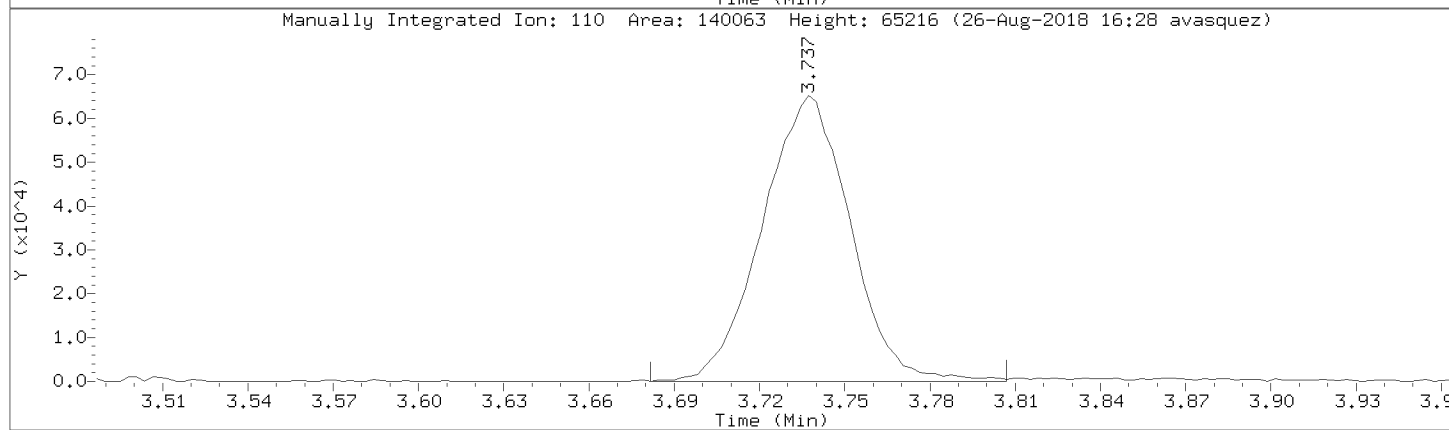
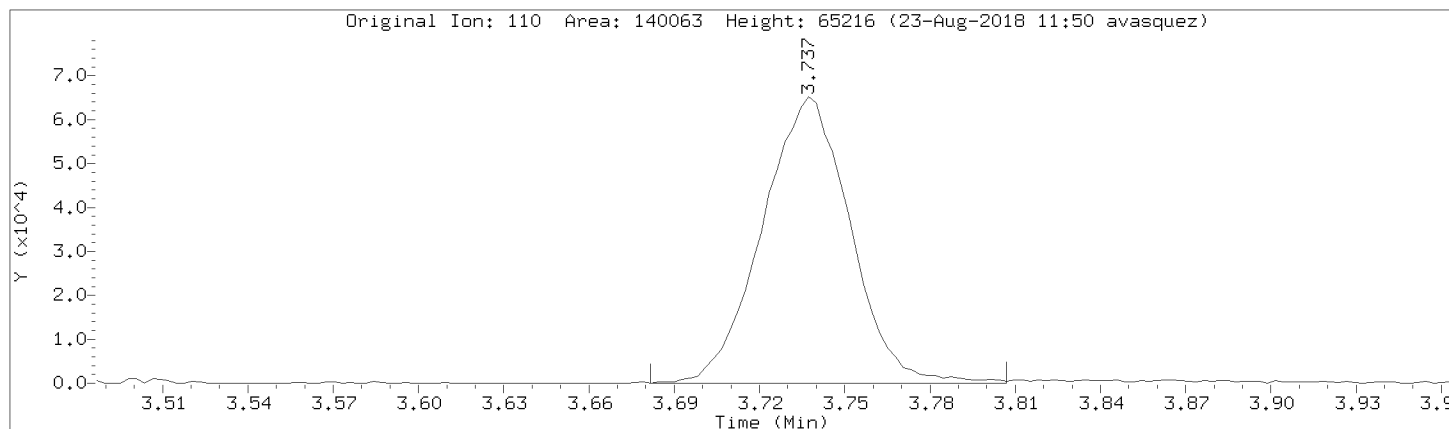


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Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7



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Injection Date: 22-AUG-2018 17:35

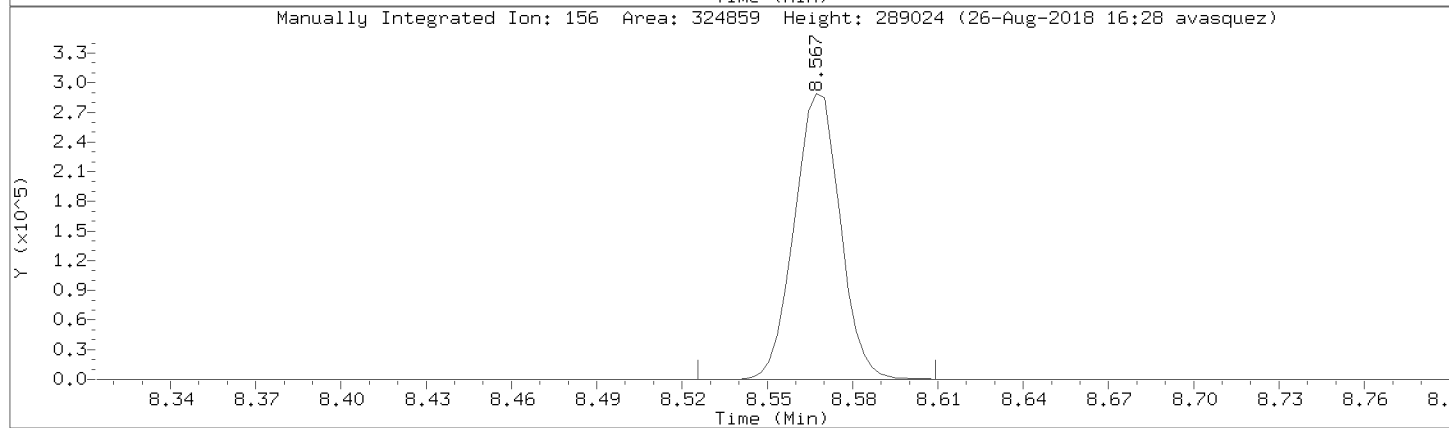
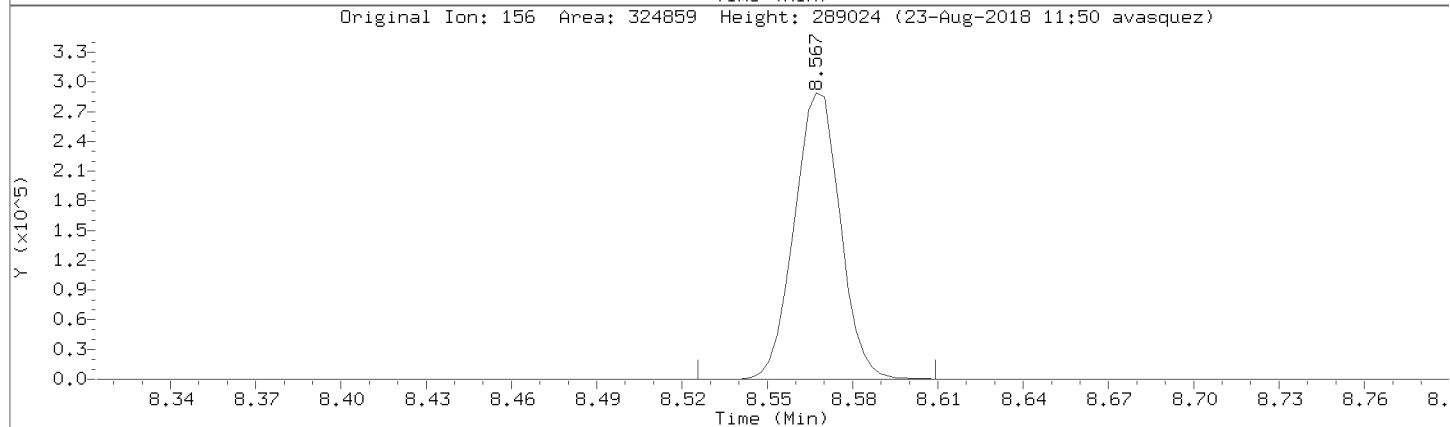
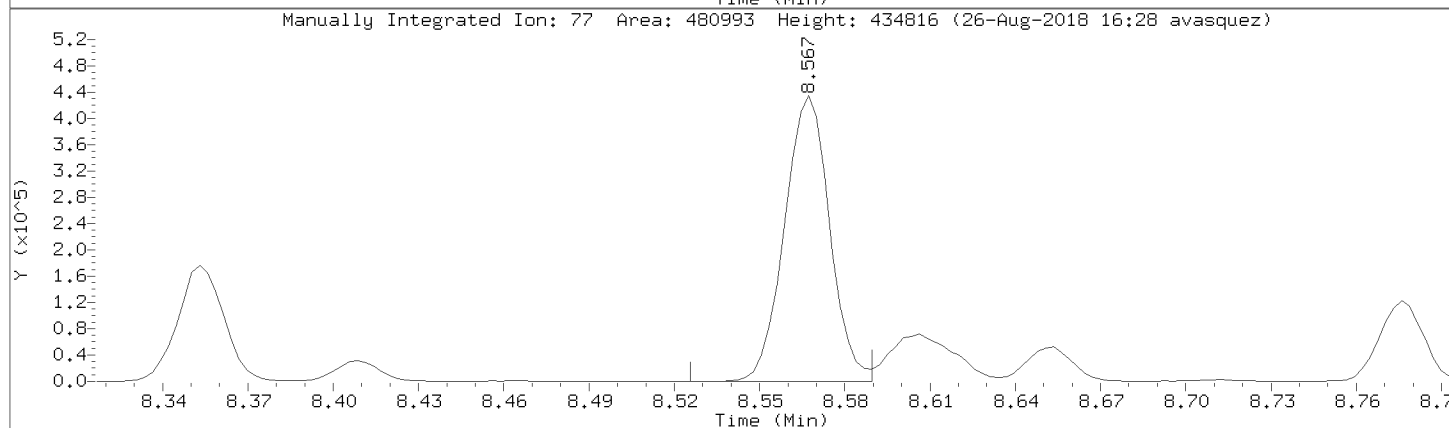
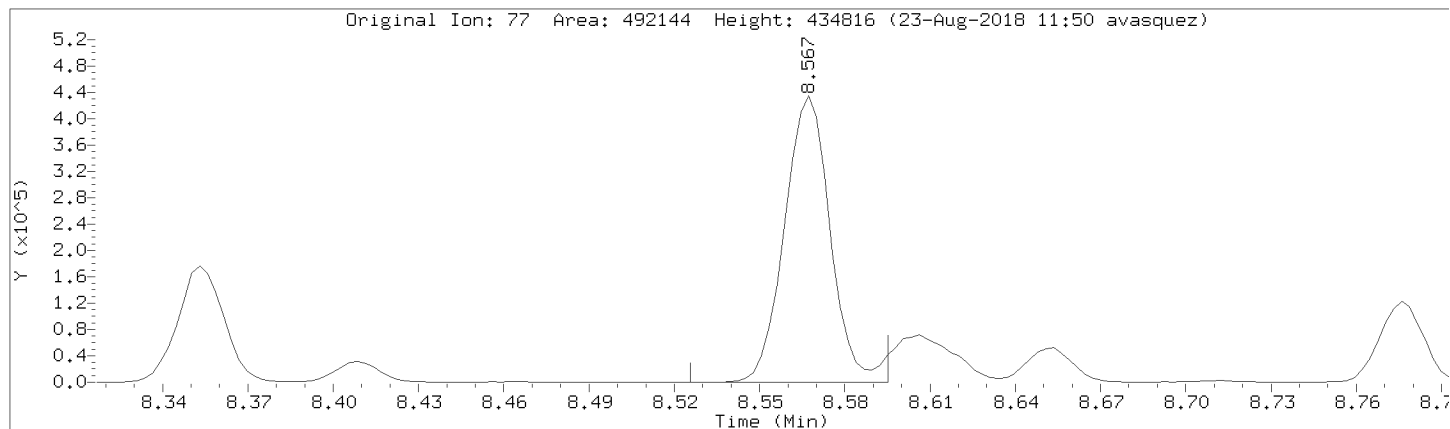
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

Compound: Bromobenzene

Review Code: GT

CAS Number: 108-86-1

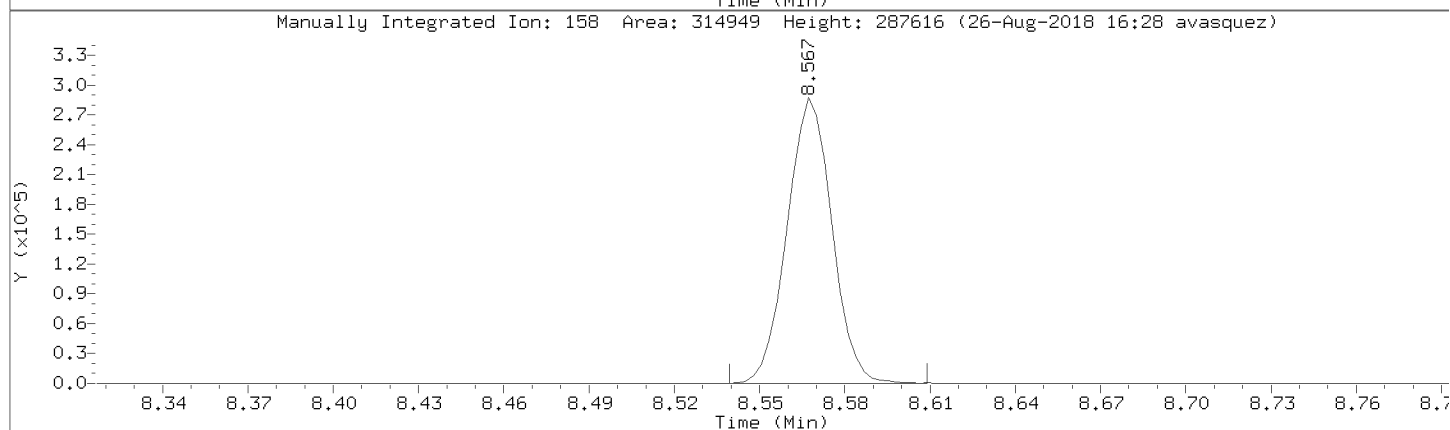
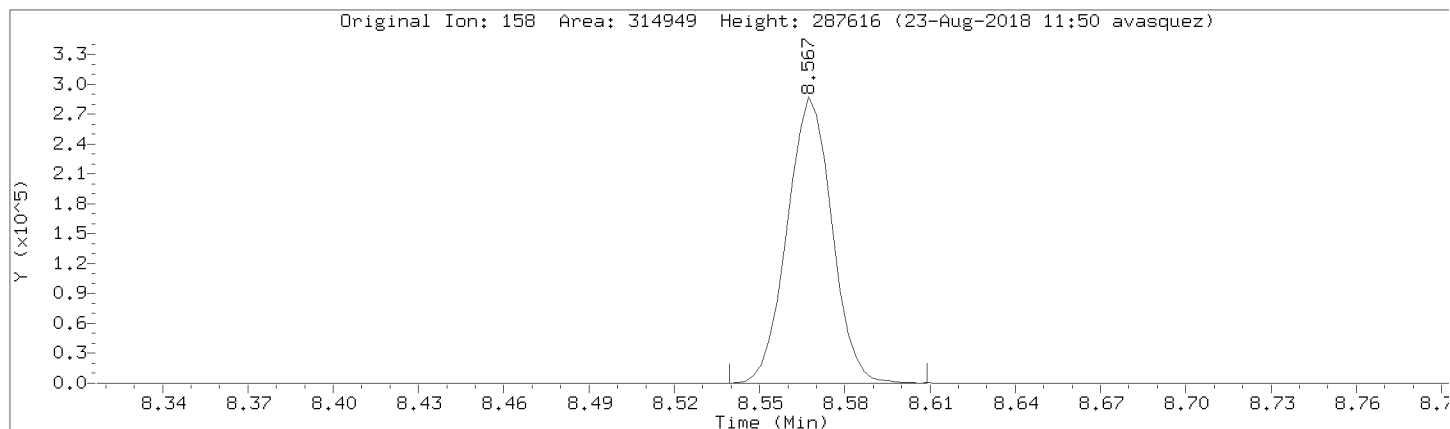


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Injection Date: 22-AUG-2018 17:35

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7



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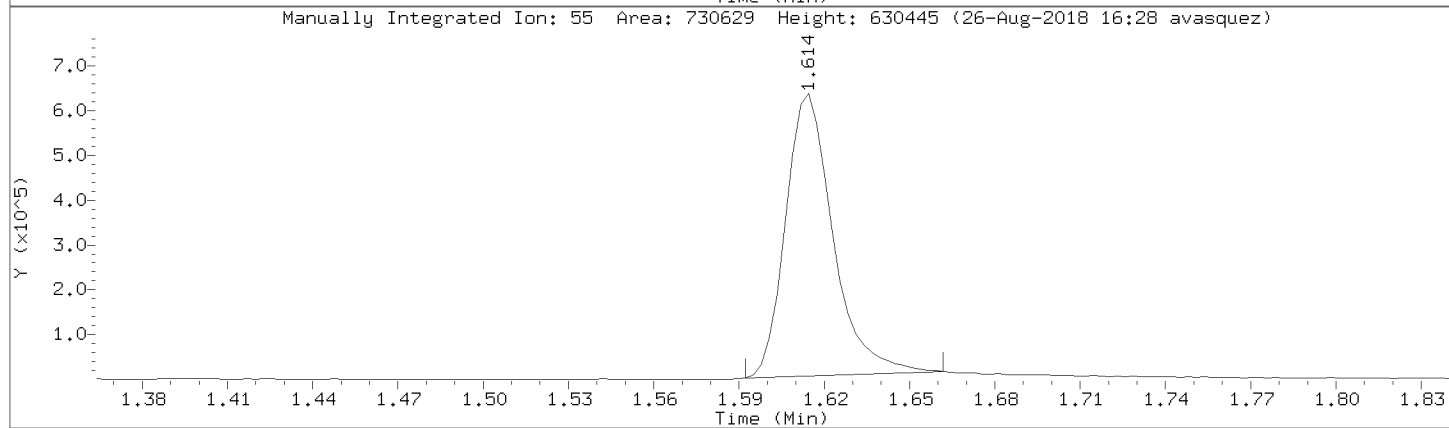
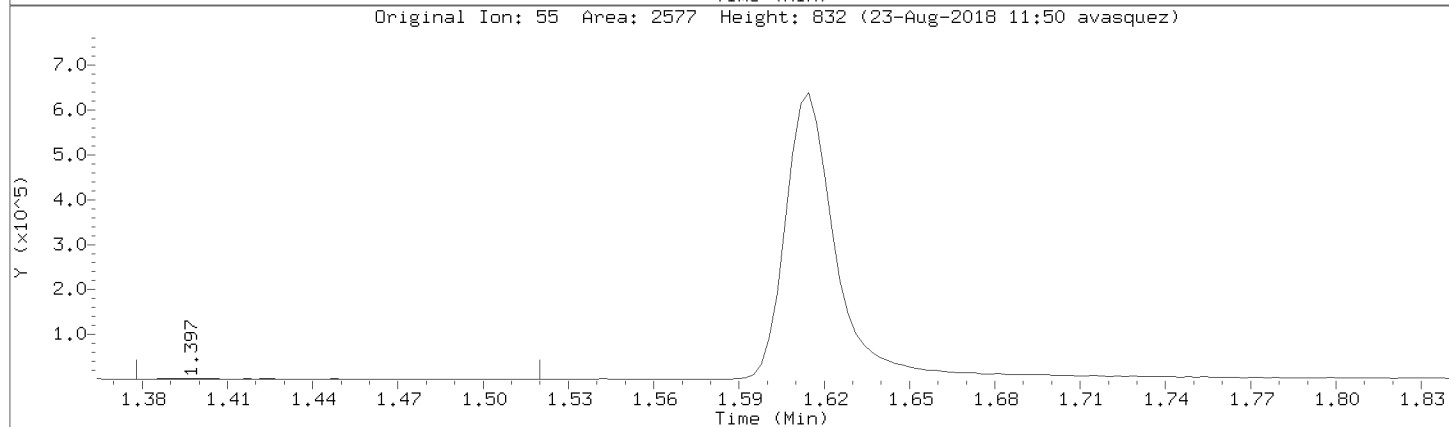
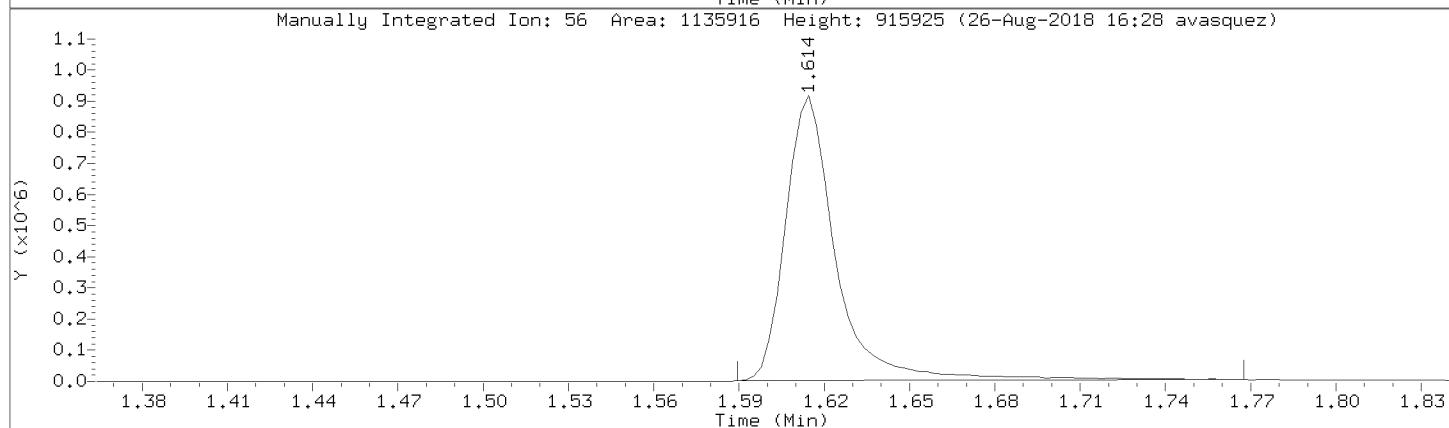
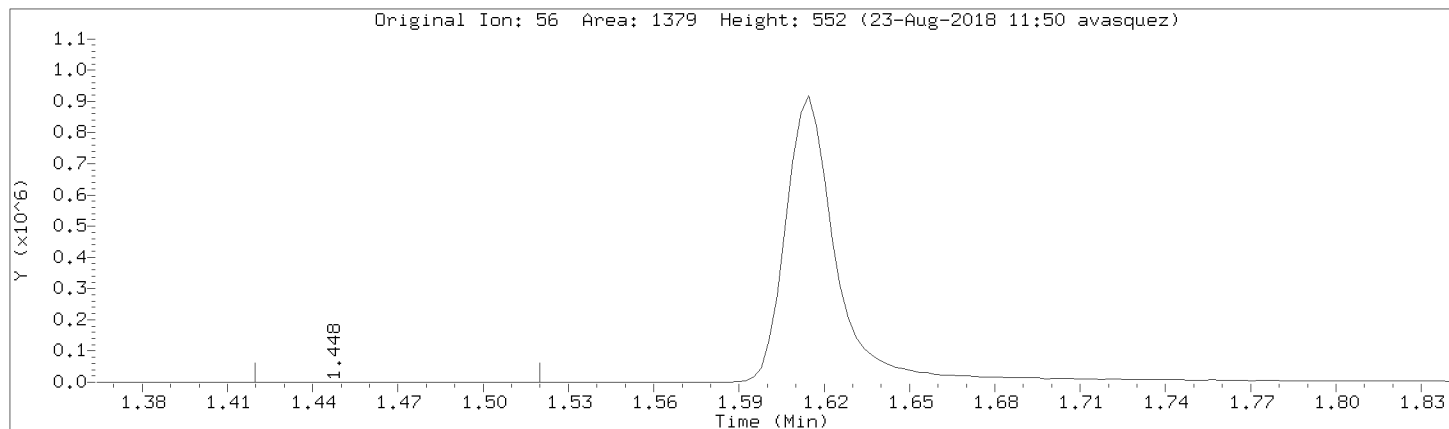
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Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

Compound: Acrolein Review Code: NI

CAS Number: 107-02-8



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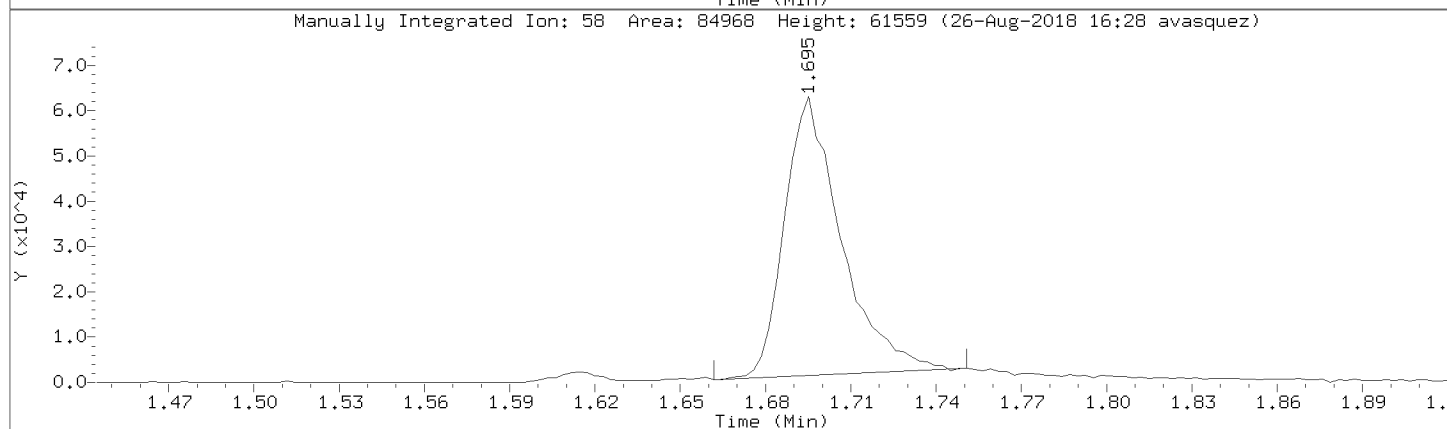
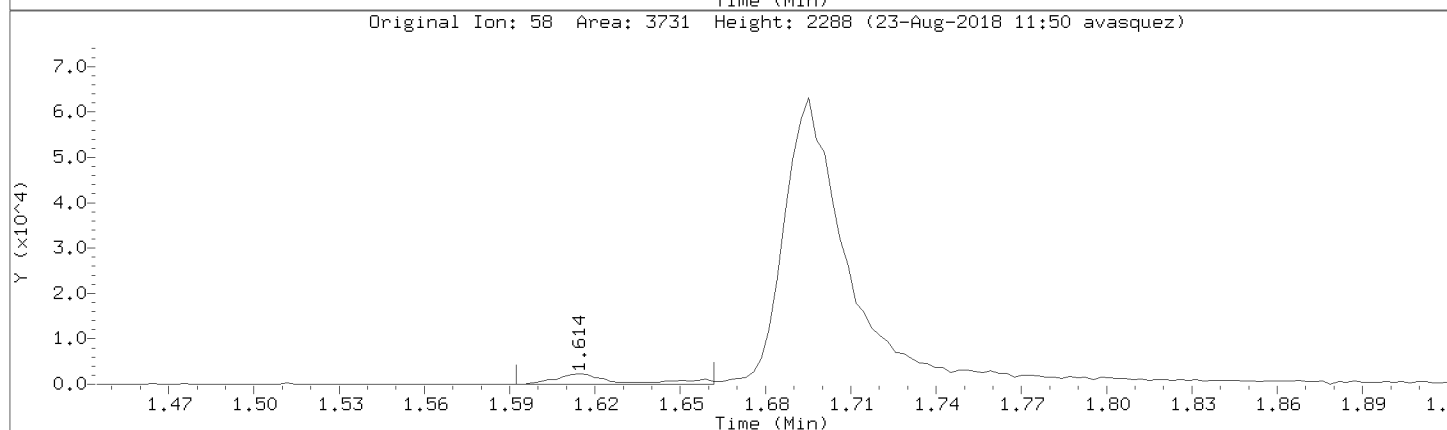
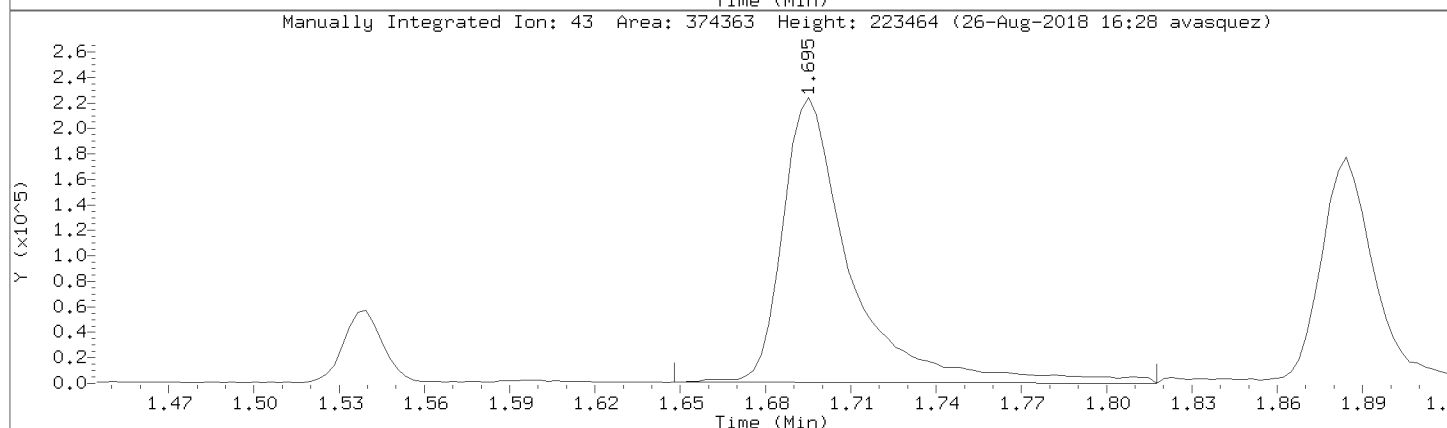
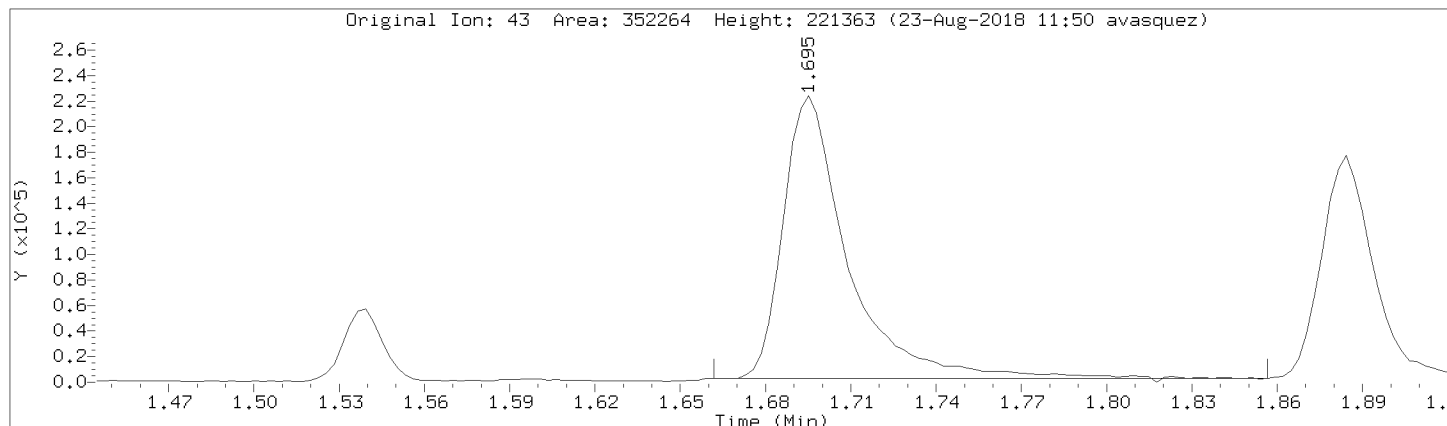
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Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

Compound: Acetone Review Code: NI

CAS Number: 67-64-1



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Injection Date: 22-AUG-2018 17:35

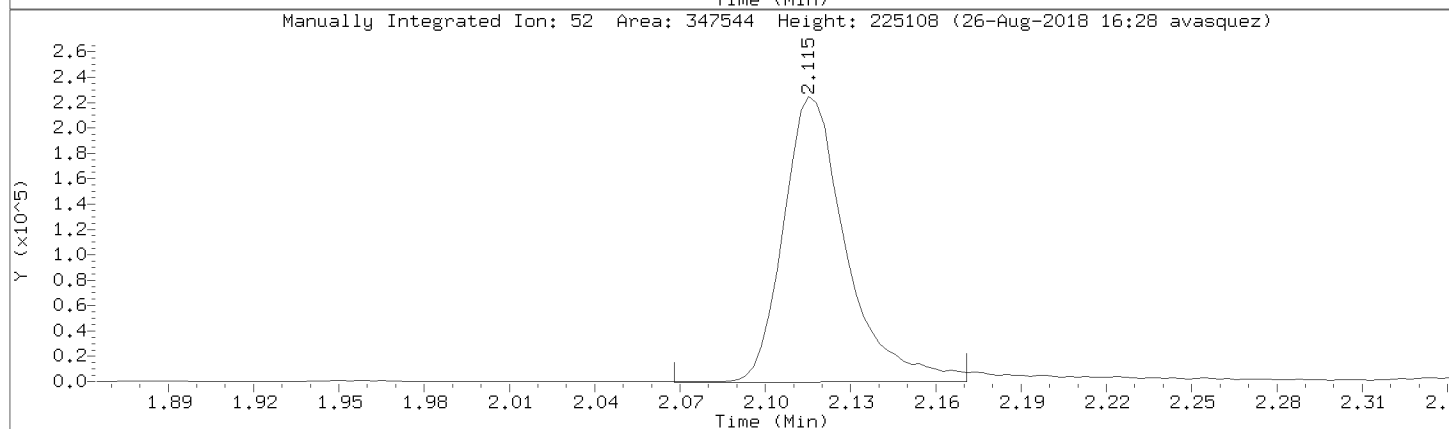
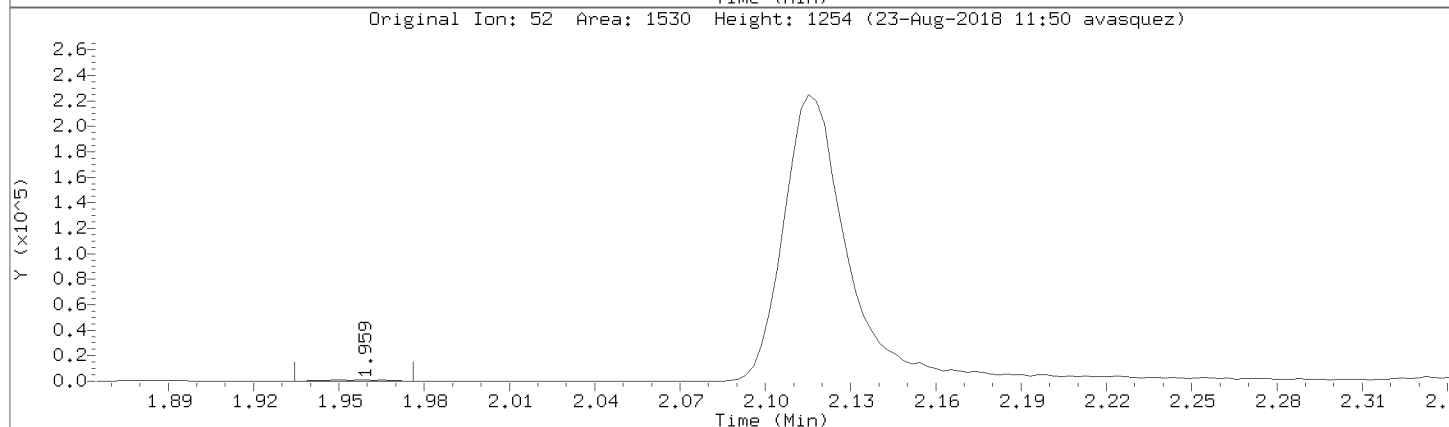
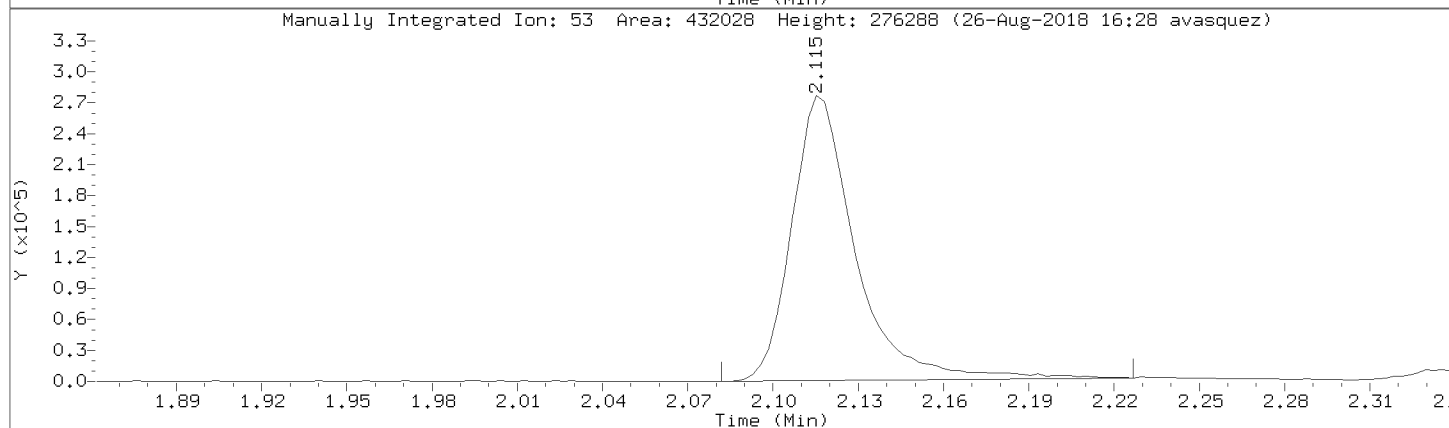
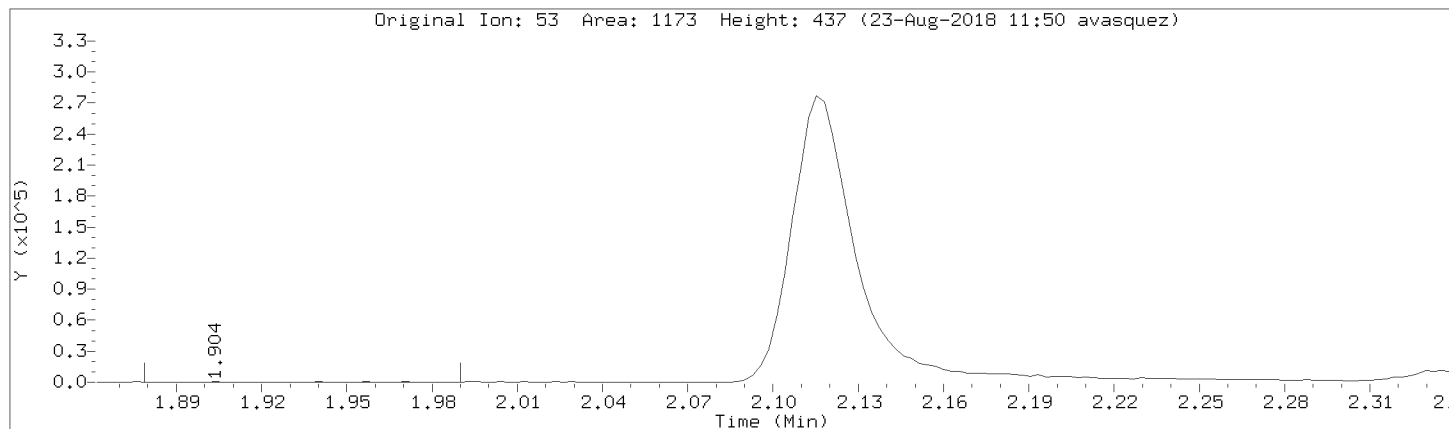
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Lab Sample ID: 8260-CAL7

Compound: Acrylonitrile

Review Code: BA

CAS Number: 107-13-1



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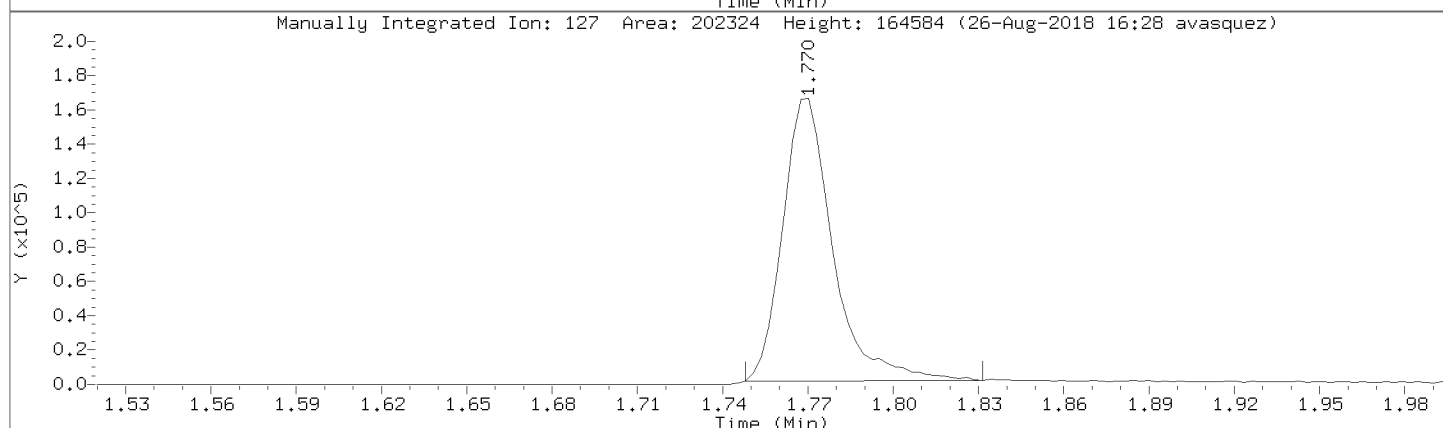
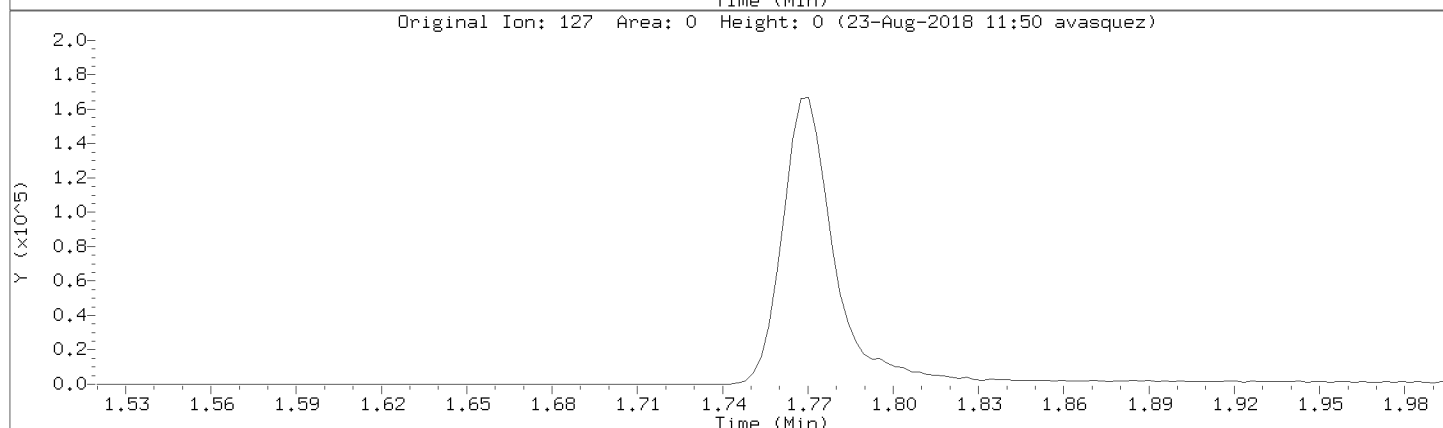
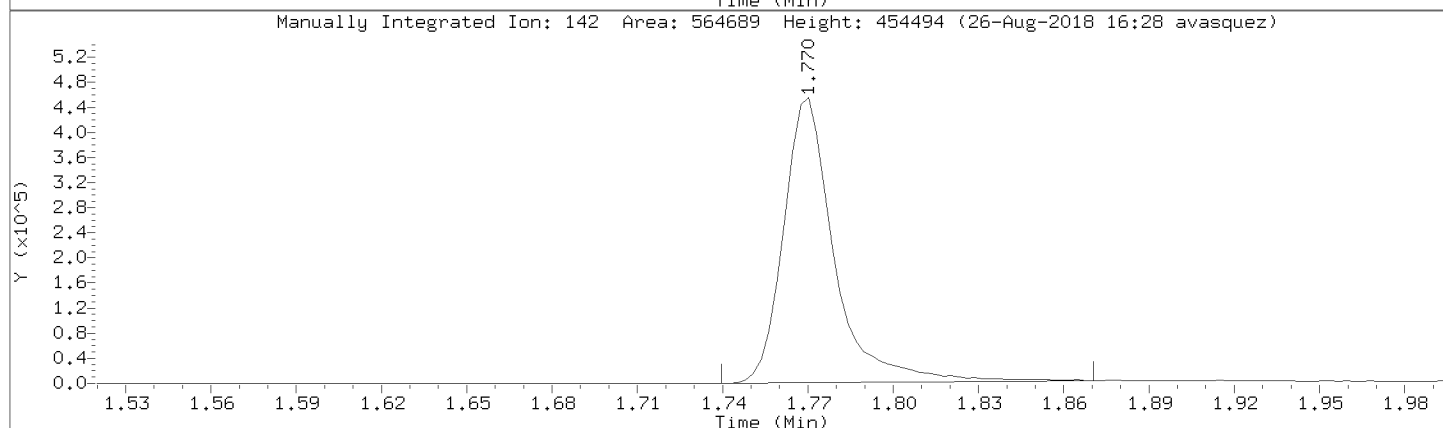
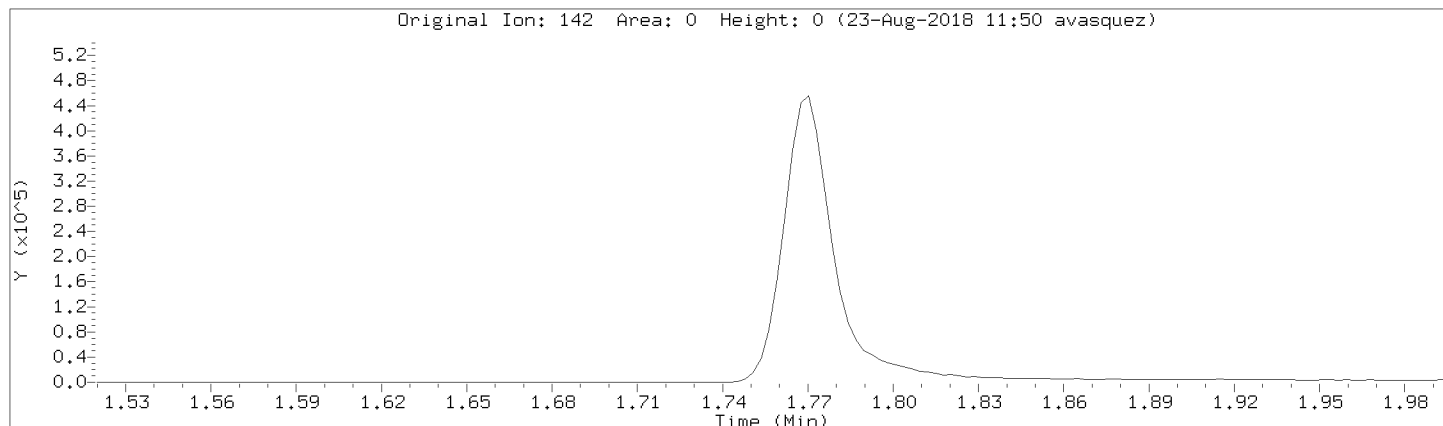
Injection Date: 22-AUG-2018 17:35

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

Compound: Iodomethane Review Code: NI

CAS Number:



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Injection Date: 22-AUG-2018 17:35

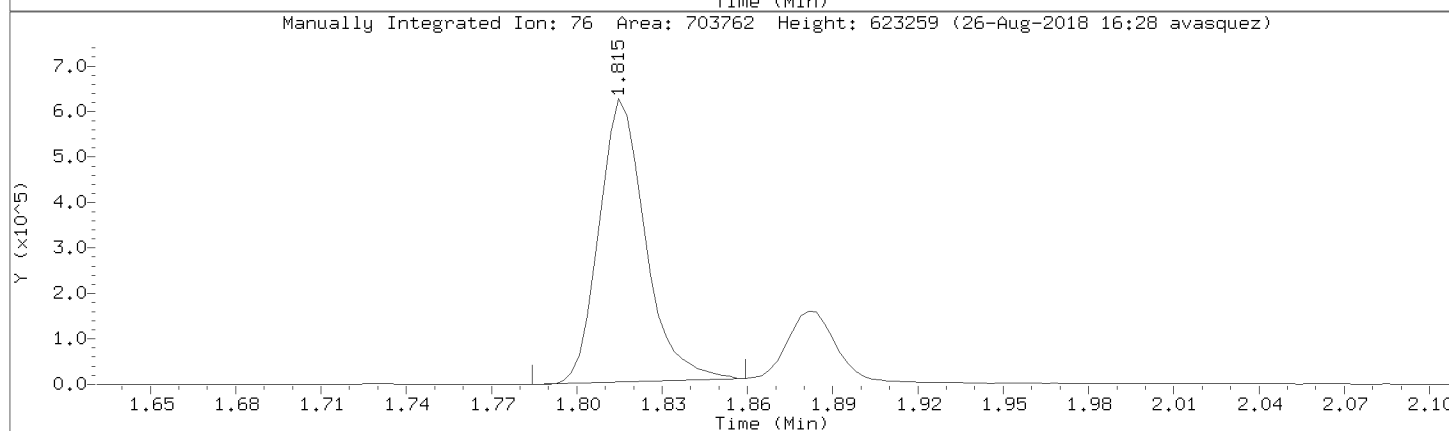
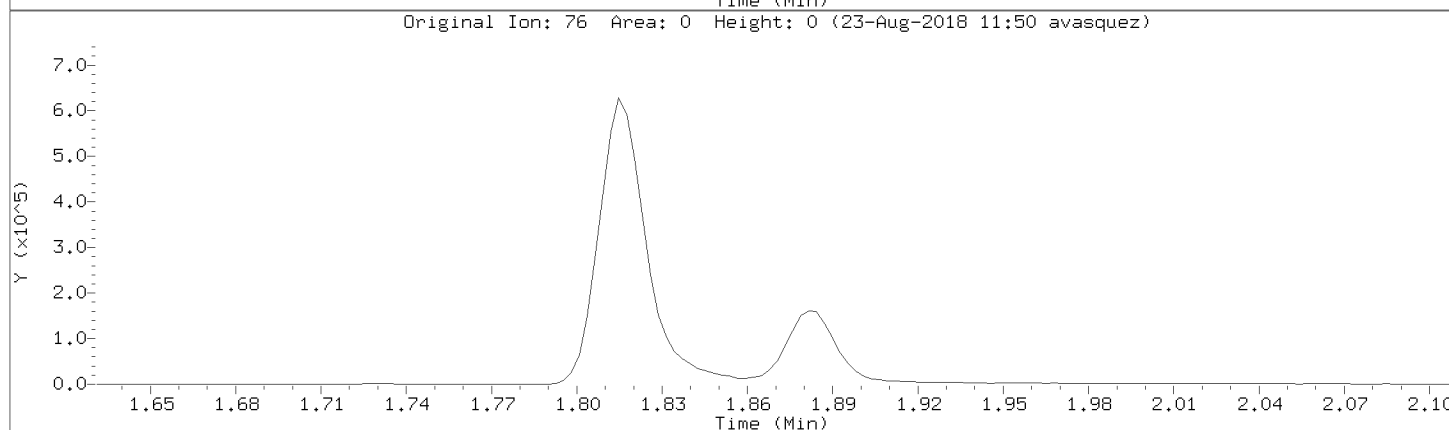
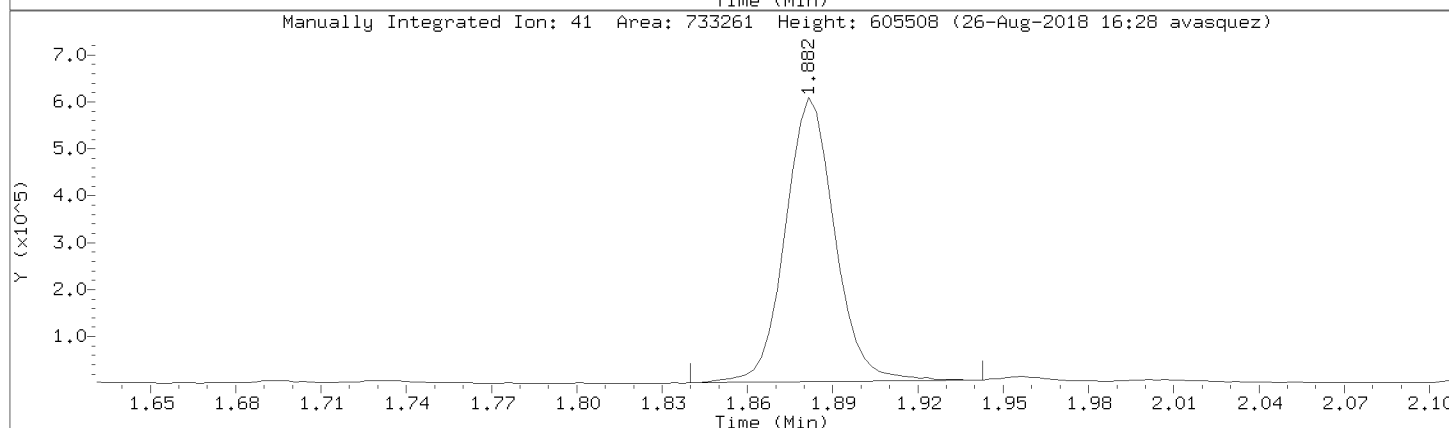
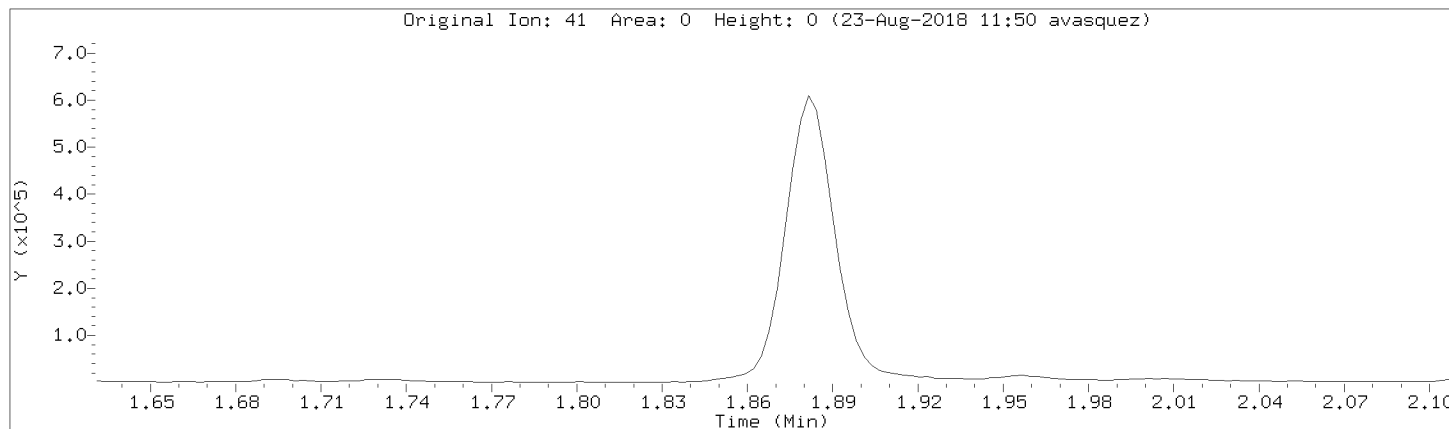
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

Compound: allyl chloride

Review Code: NI

CAS Number: 107-05-1



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Injection Date: 22-AUG-2018 17:35

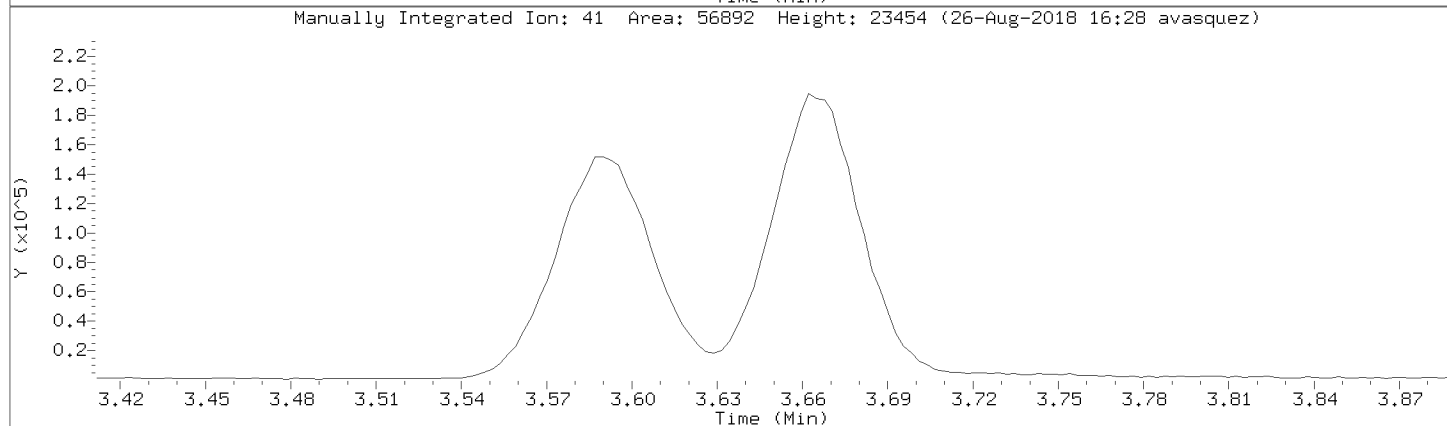
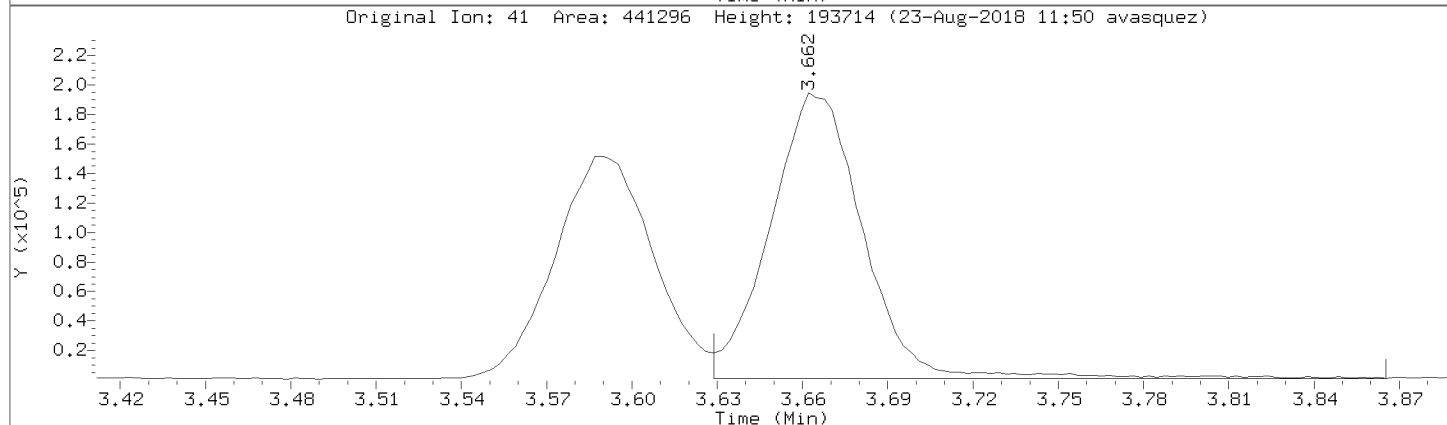
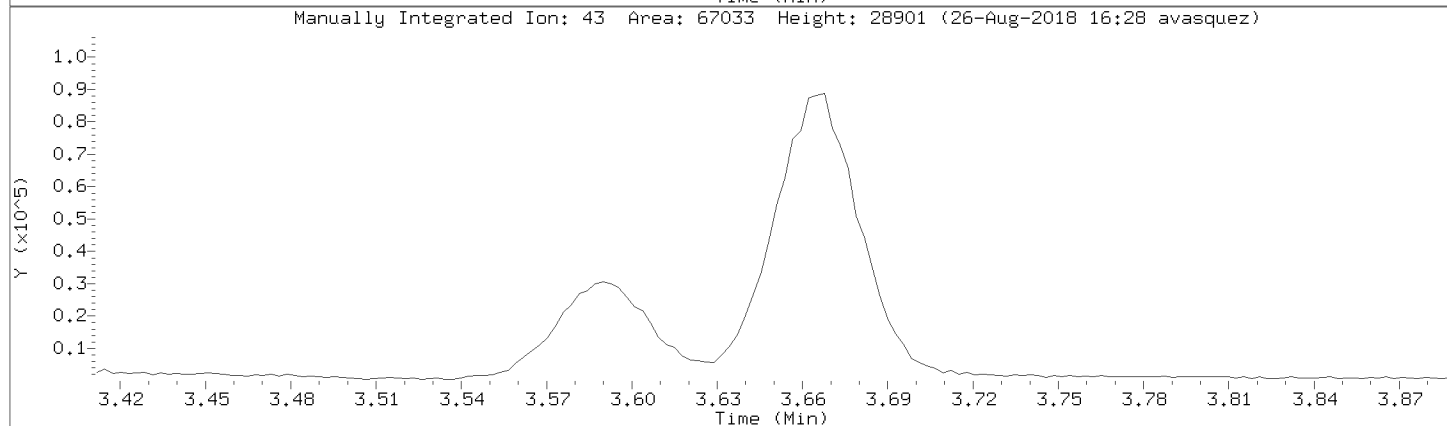
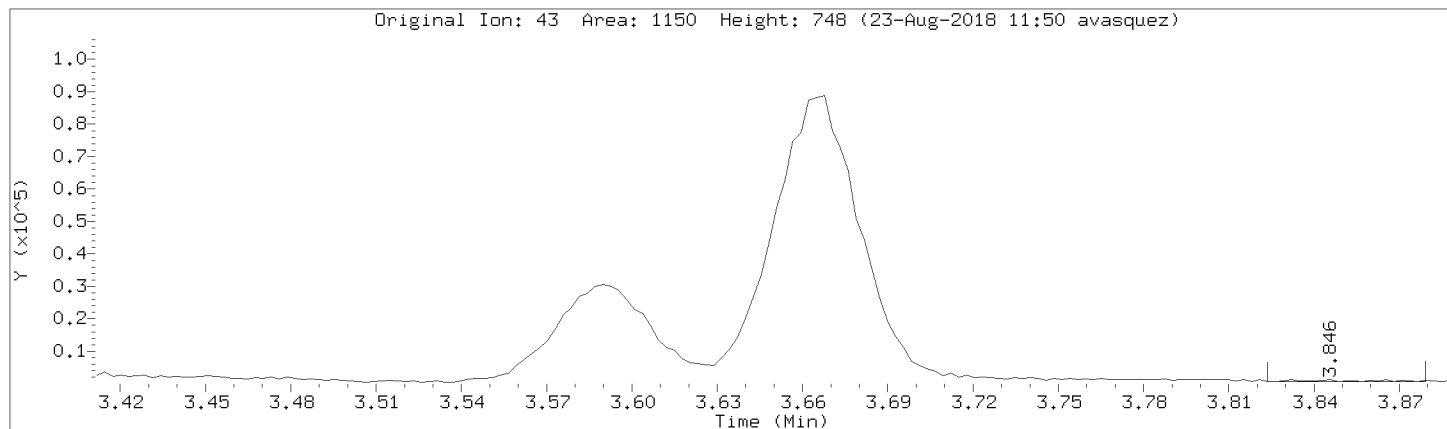
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Lab Sample ID: 8260-CAL7

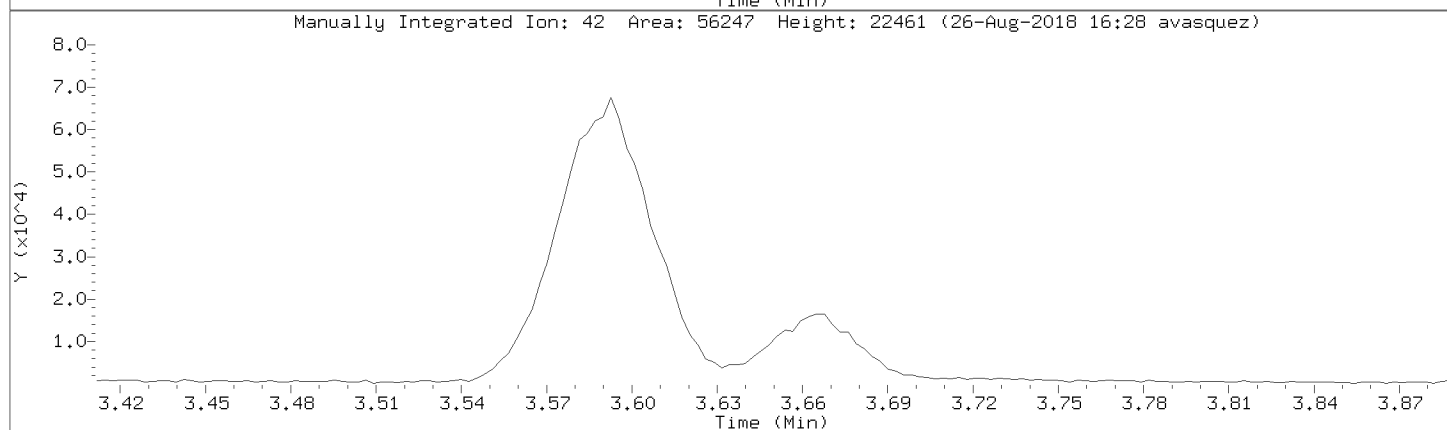
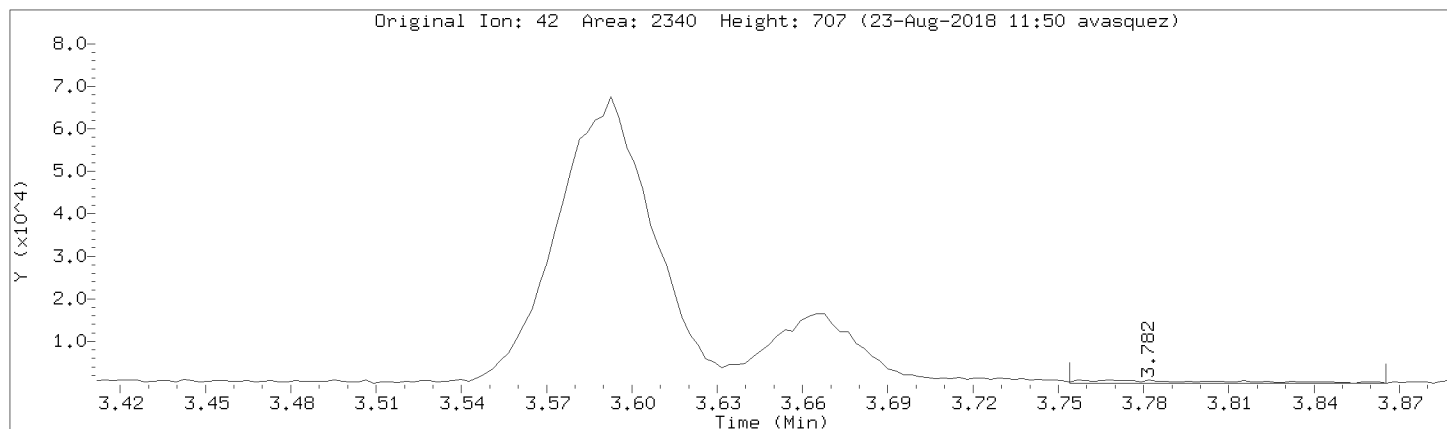
Compound: Isobutyl alcohol

Review Code:

CAS Number: 78-83-1

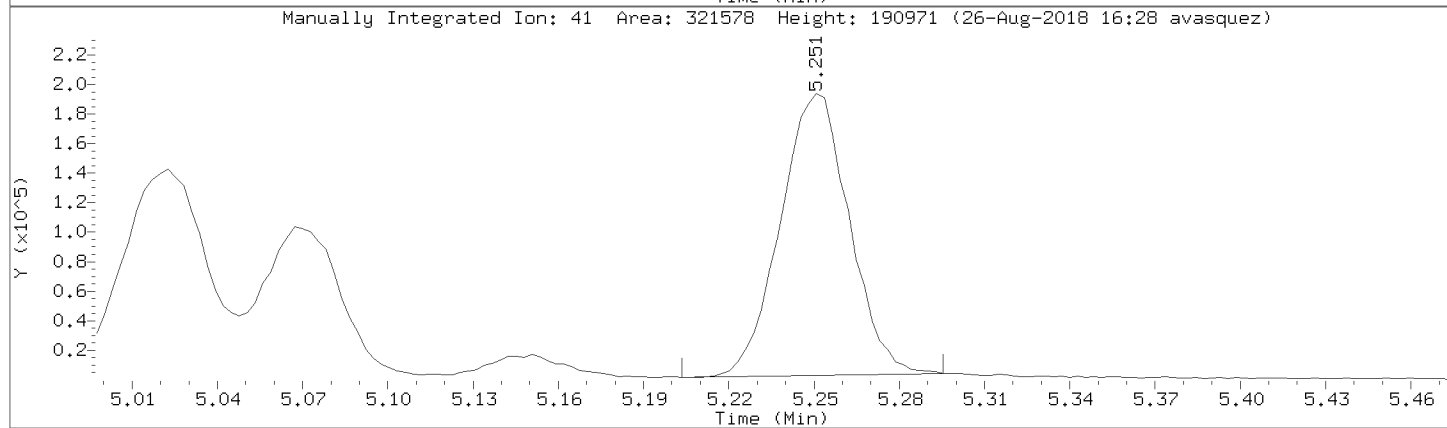
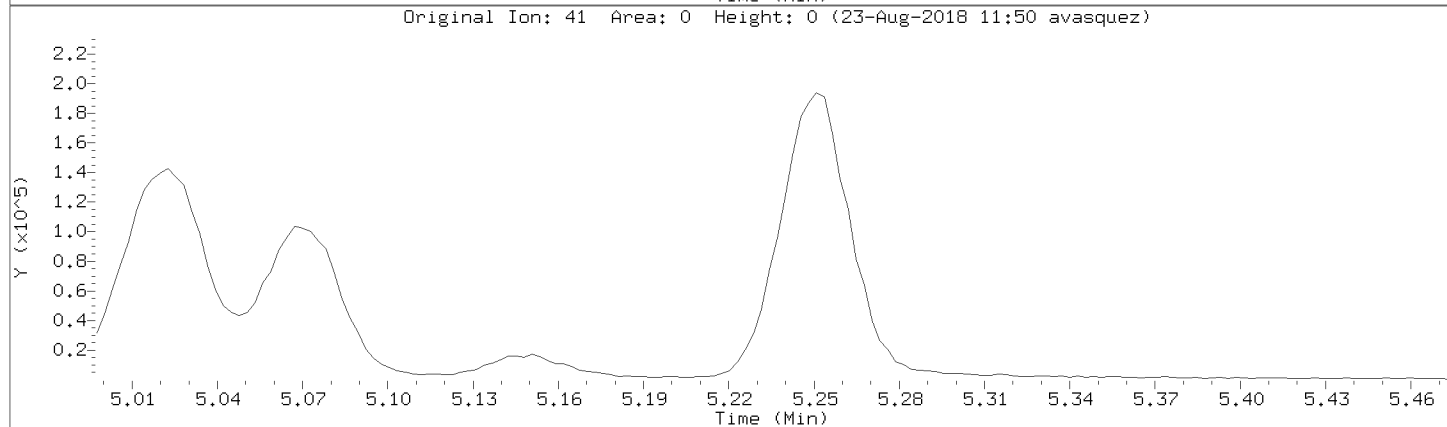
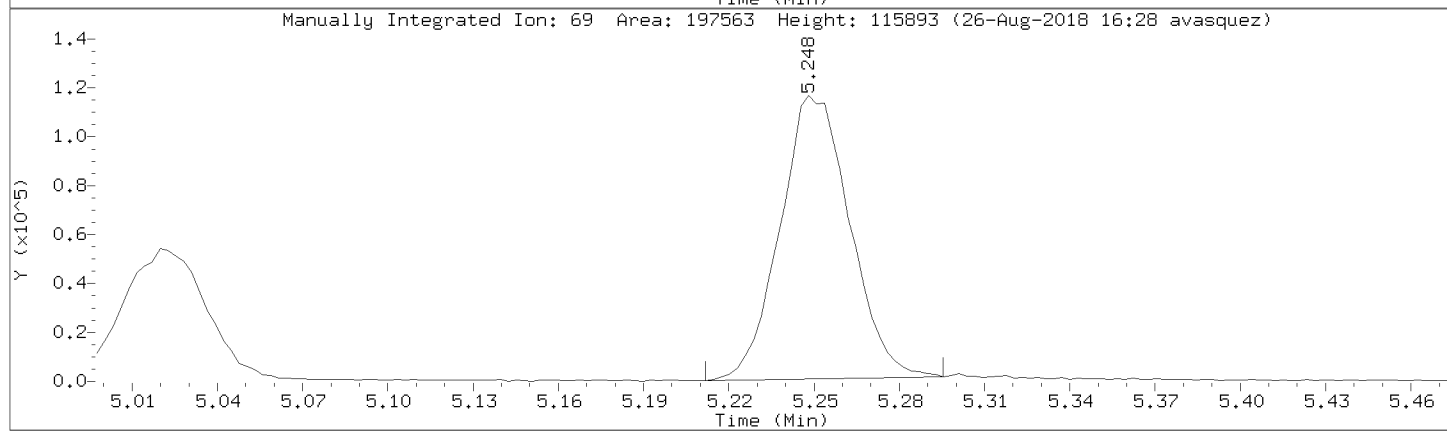
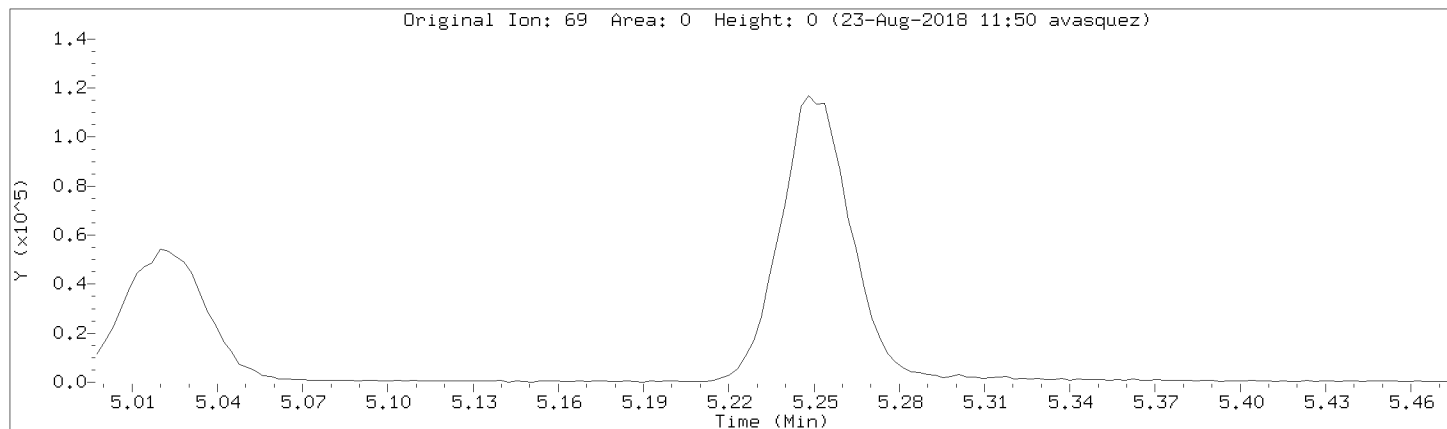


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7

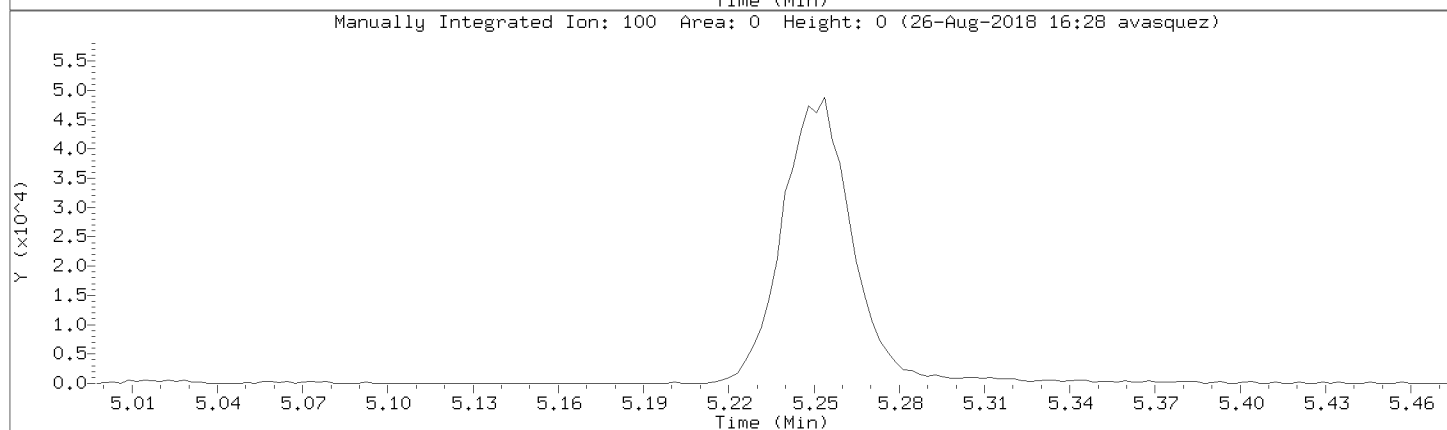
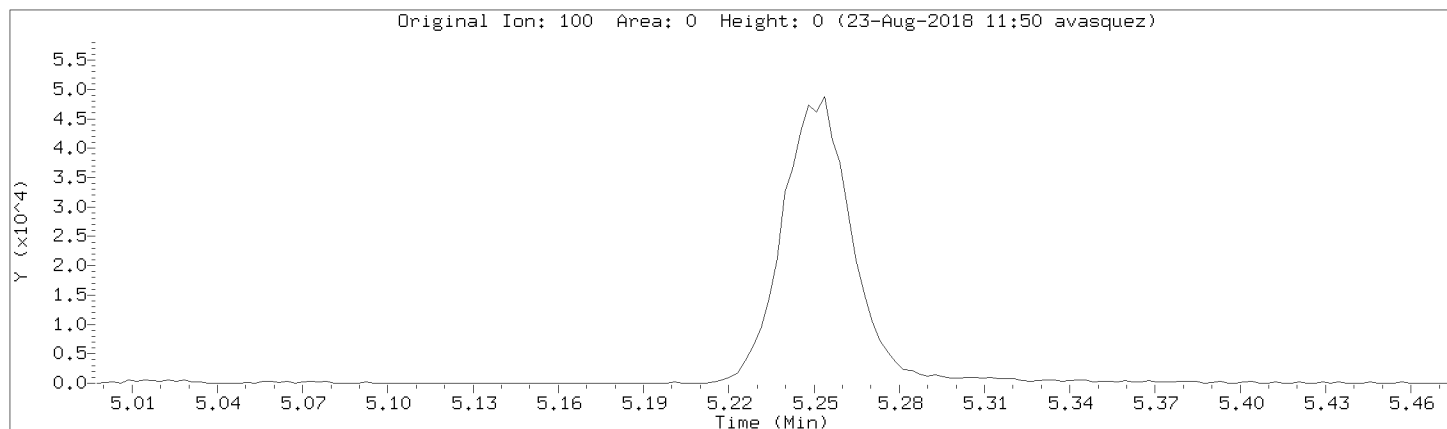


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Injection Date: 22-AUG-2018 17:35
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7

Compound: Methyl methacrylate Review Code: NI
CAS Number: 80-62-6



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a08cal.d
Injection Date: 22-AUG-2018 17:35
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7



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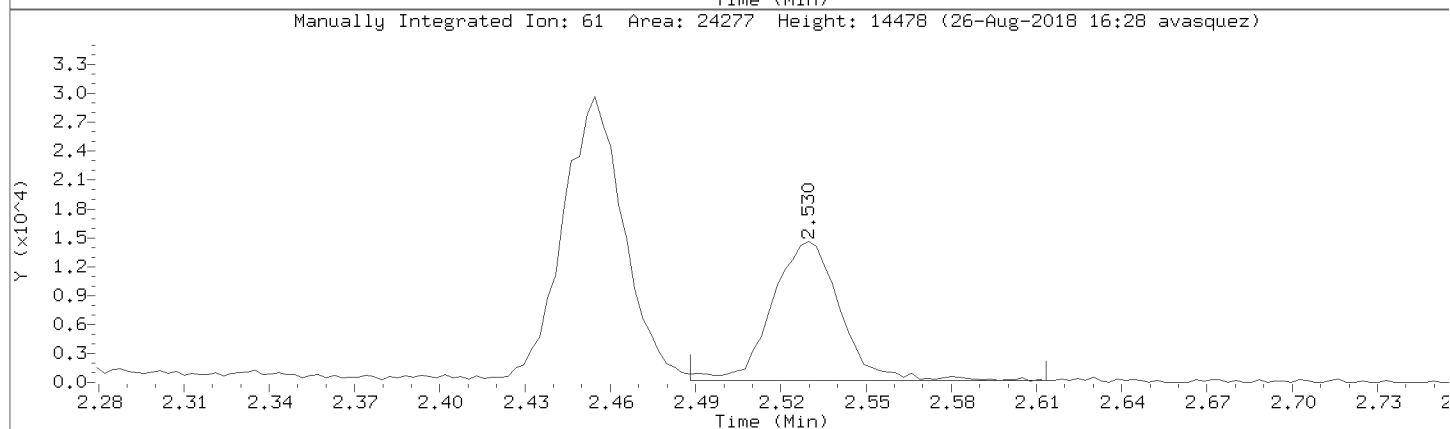
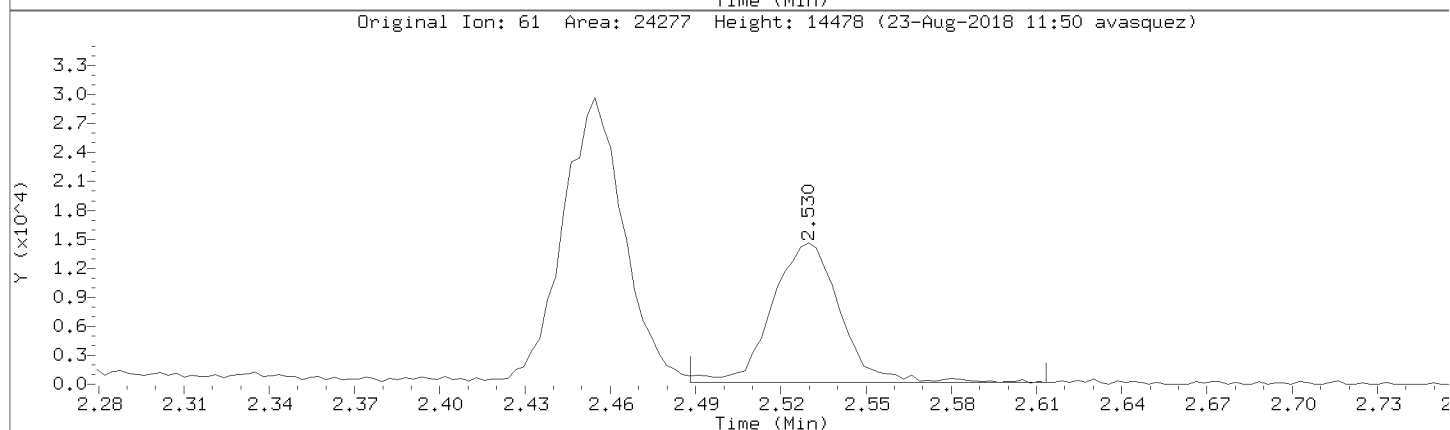
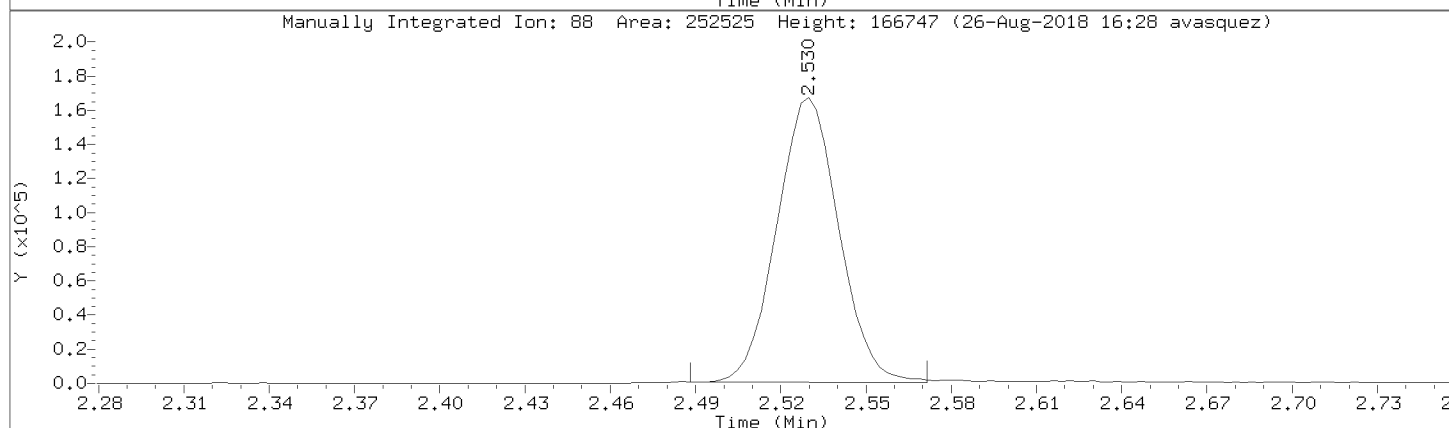
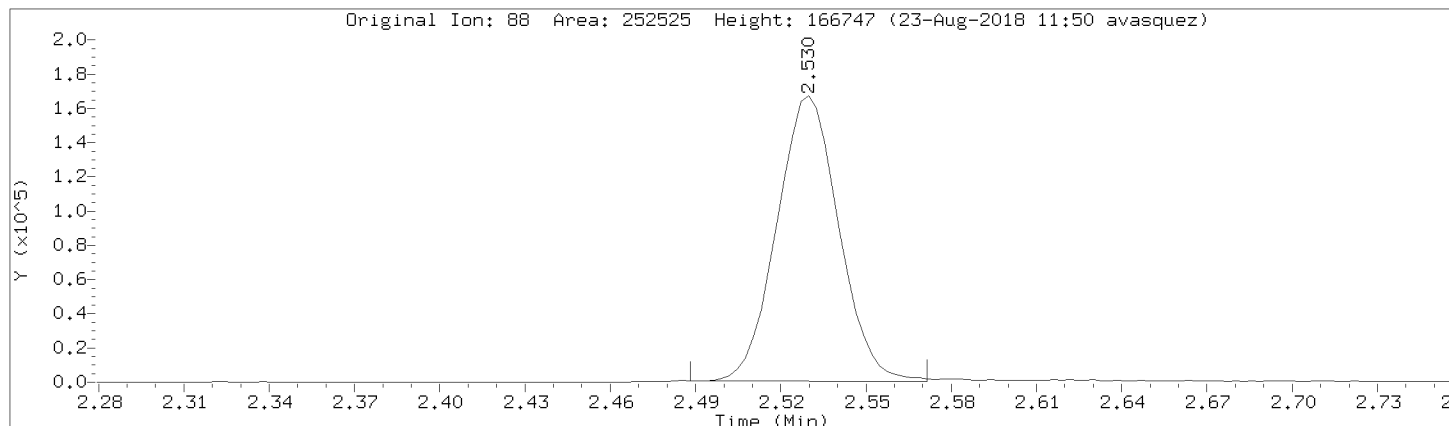
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

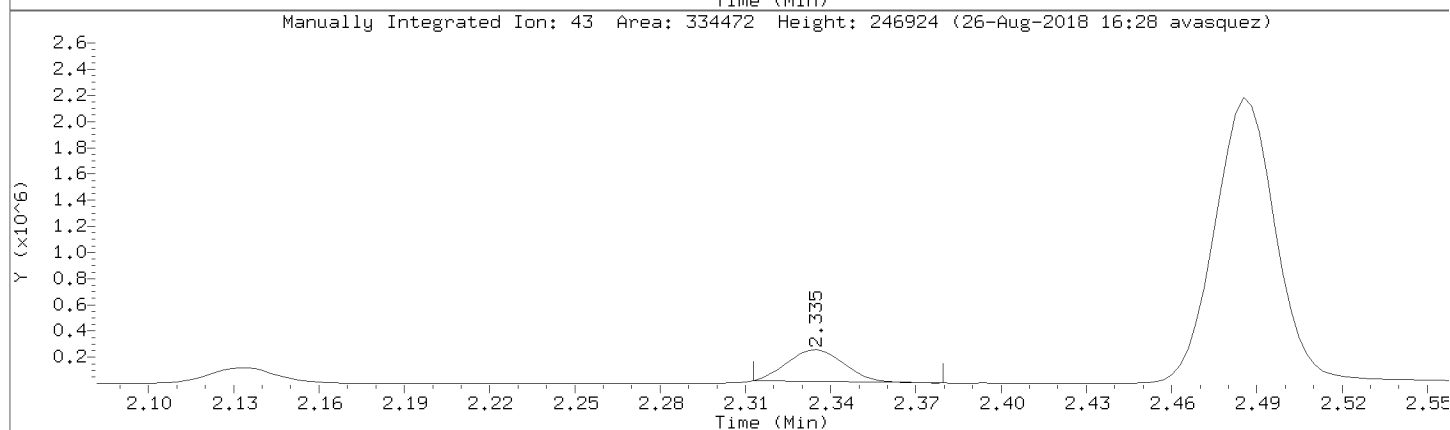
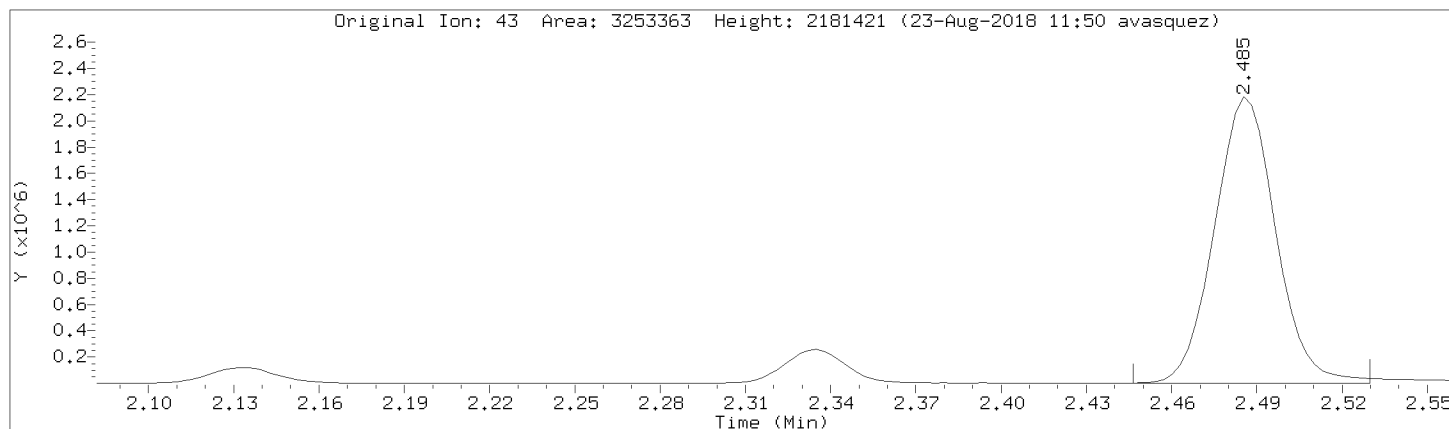
Compound: Ethyl acetate

Review Code: WP

CAS Number: 141-78-6



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Injection Date: 22-AUG-2018 17:35
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7



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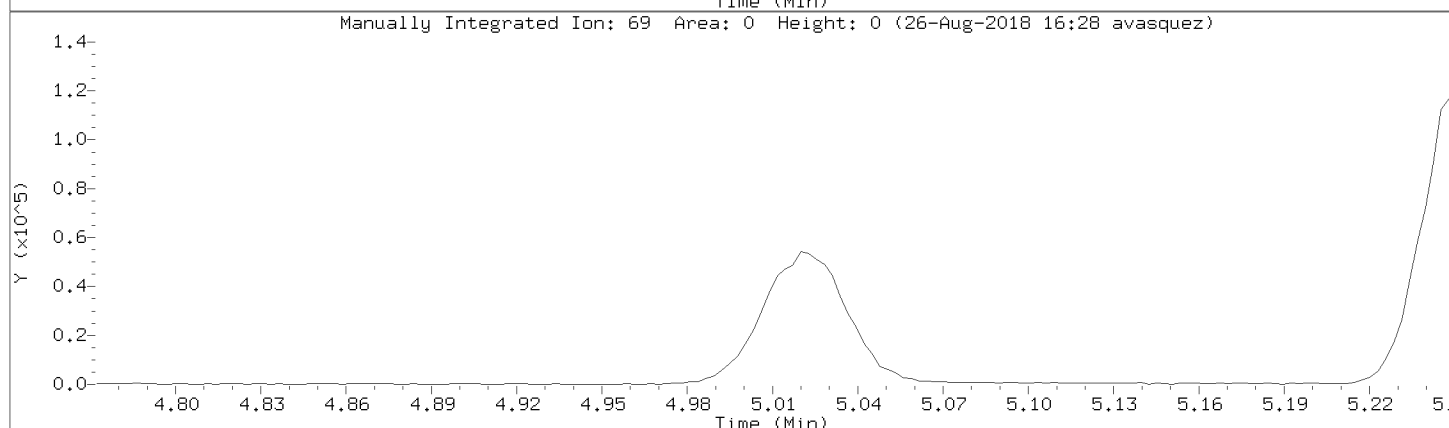
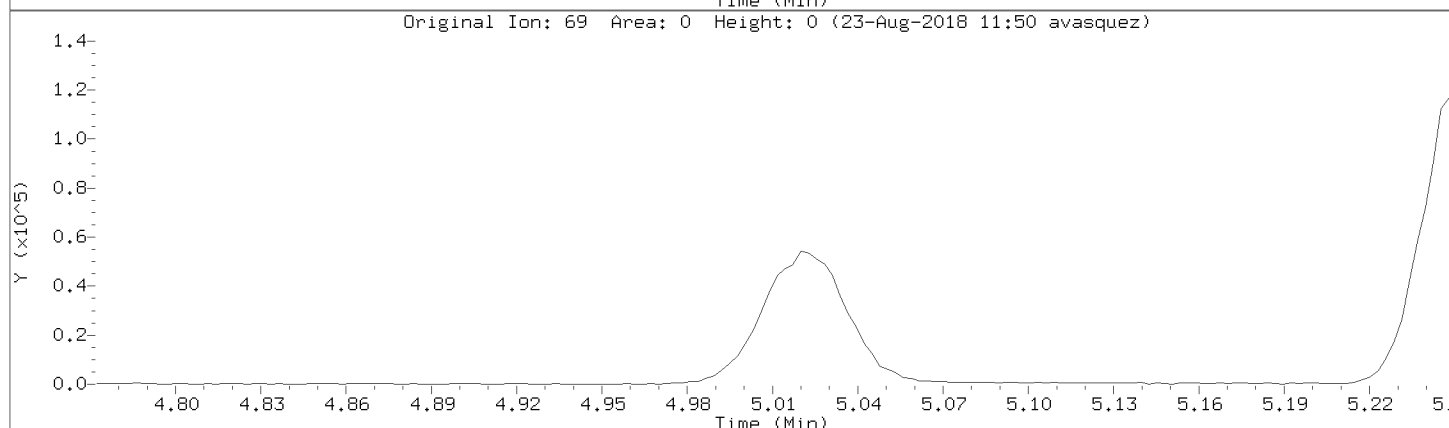
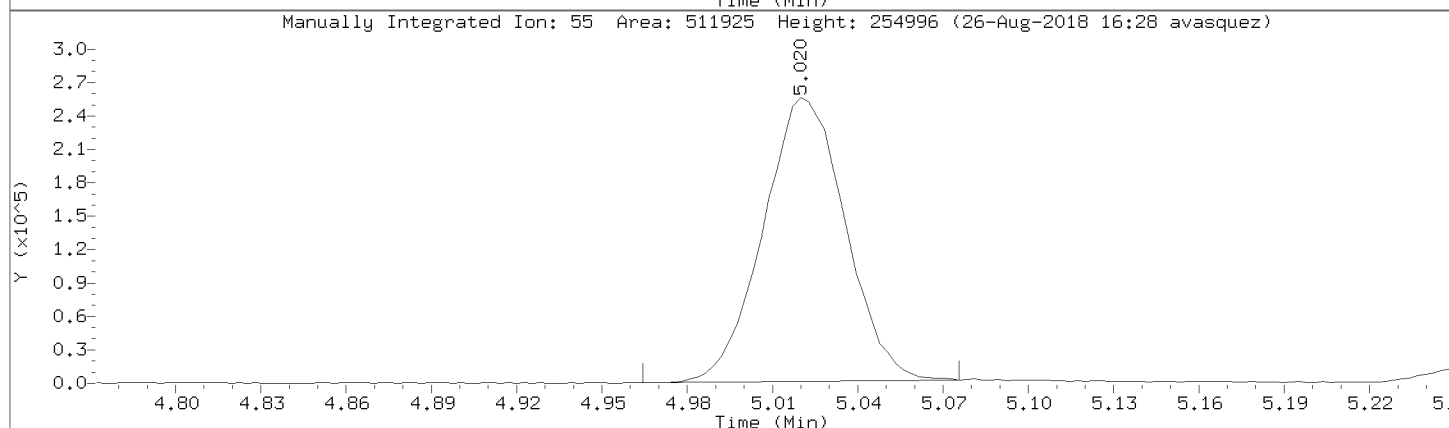
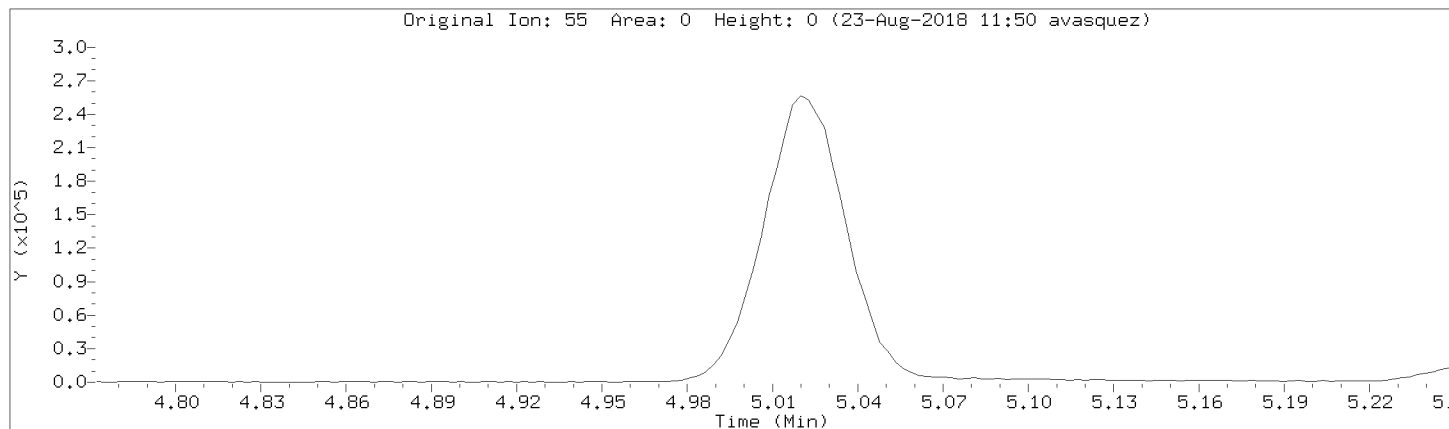
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Lab Sample ID: 8260-CAL7

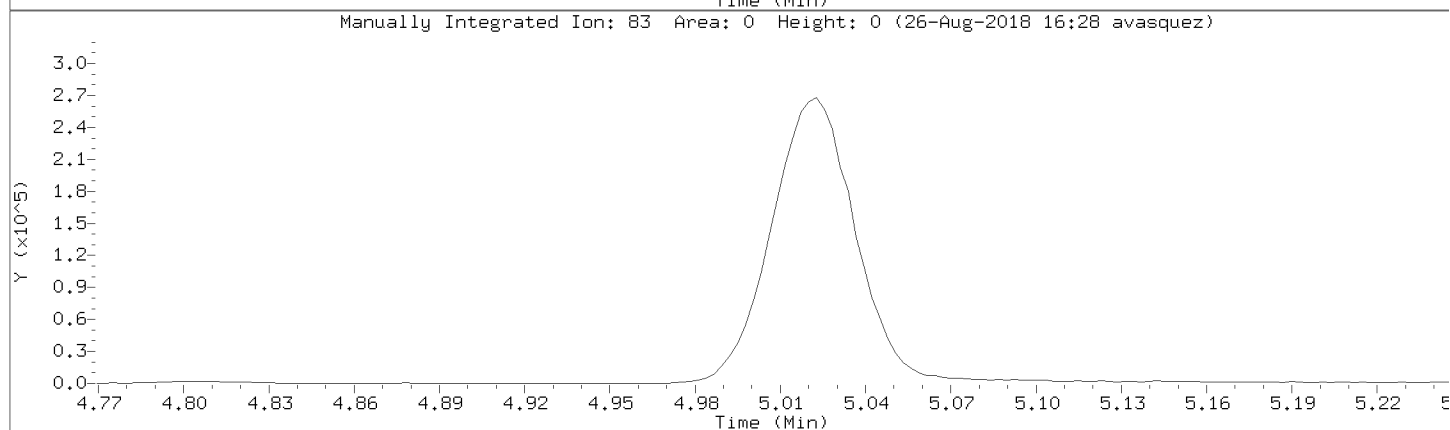
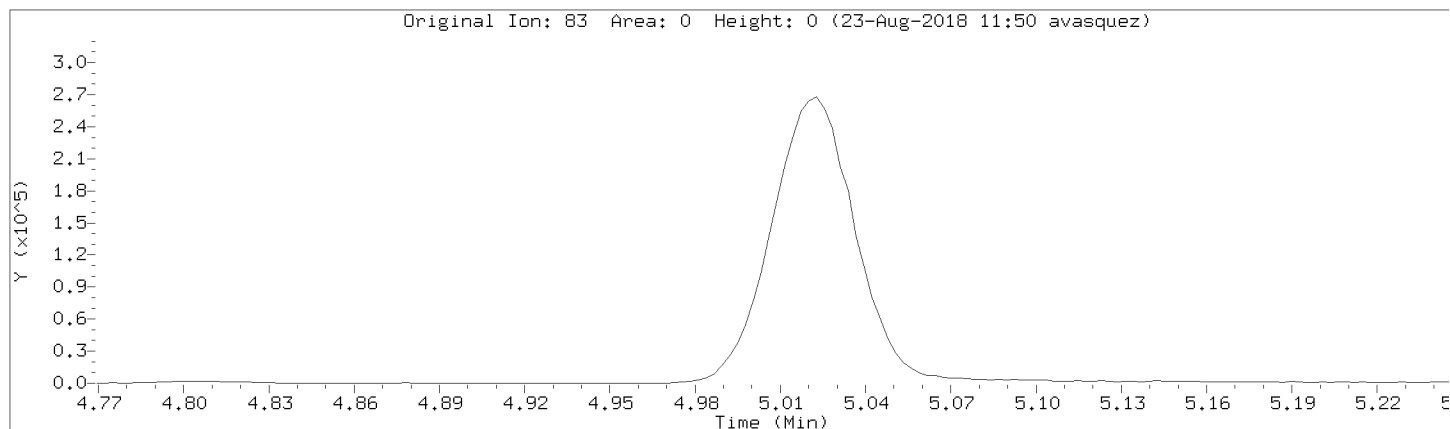
Compound: Methylcyclohexane

Review Code: NI

CAS Number: 108-87-2



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a08cal.d
Injection Date: 22-AUG-2018 17:35
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7



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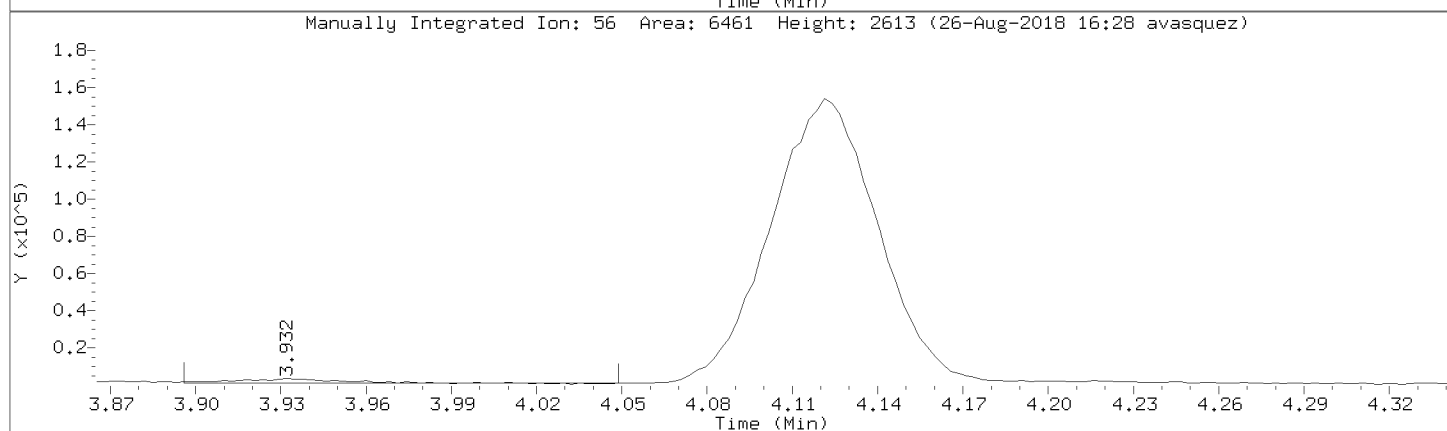
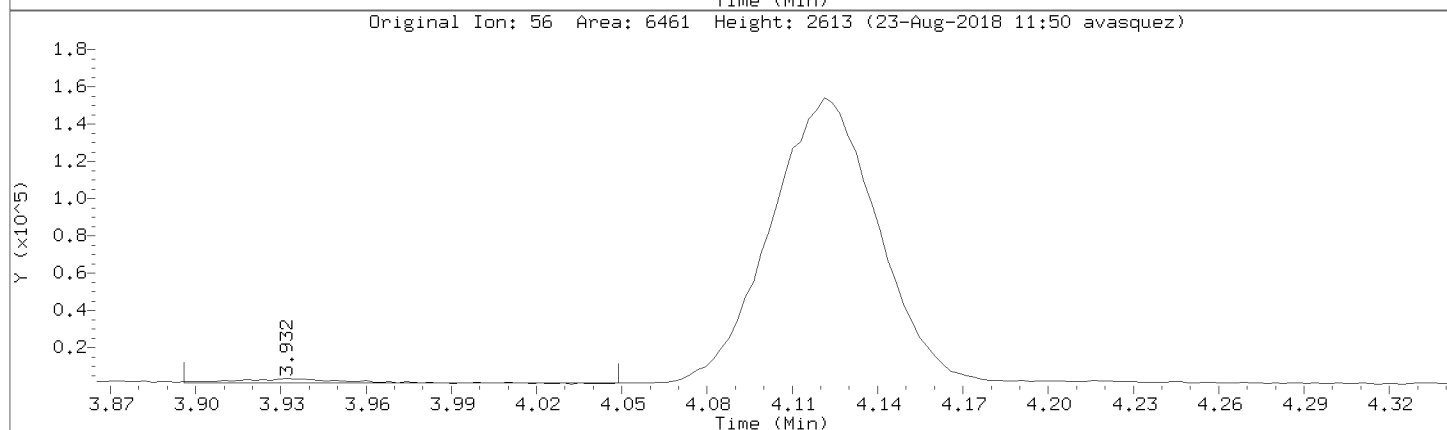
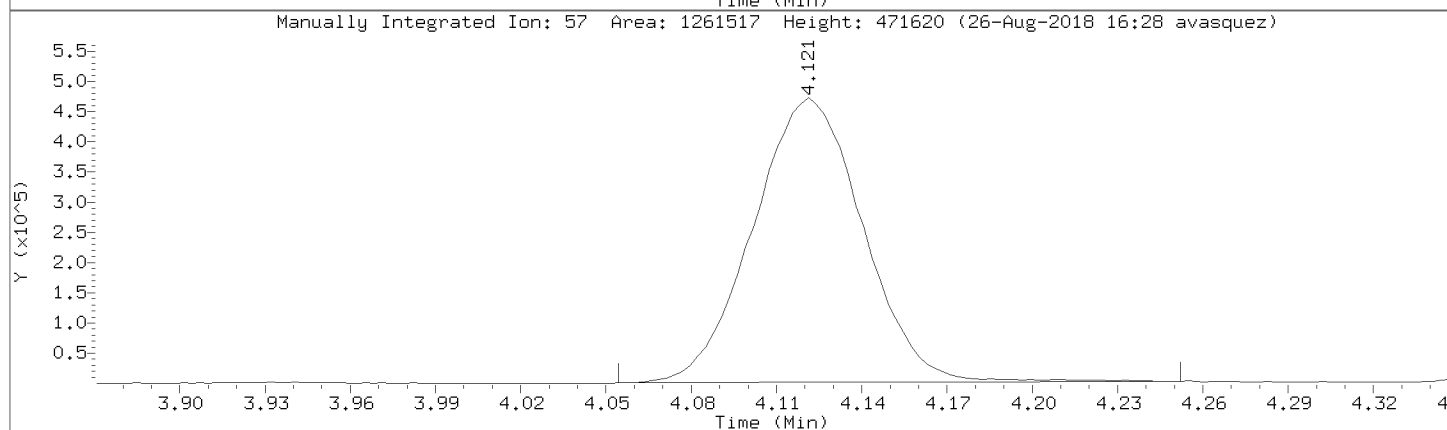
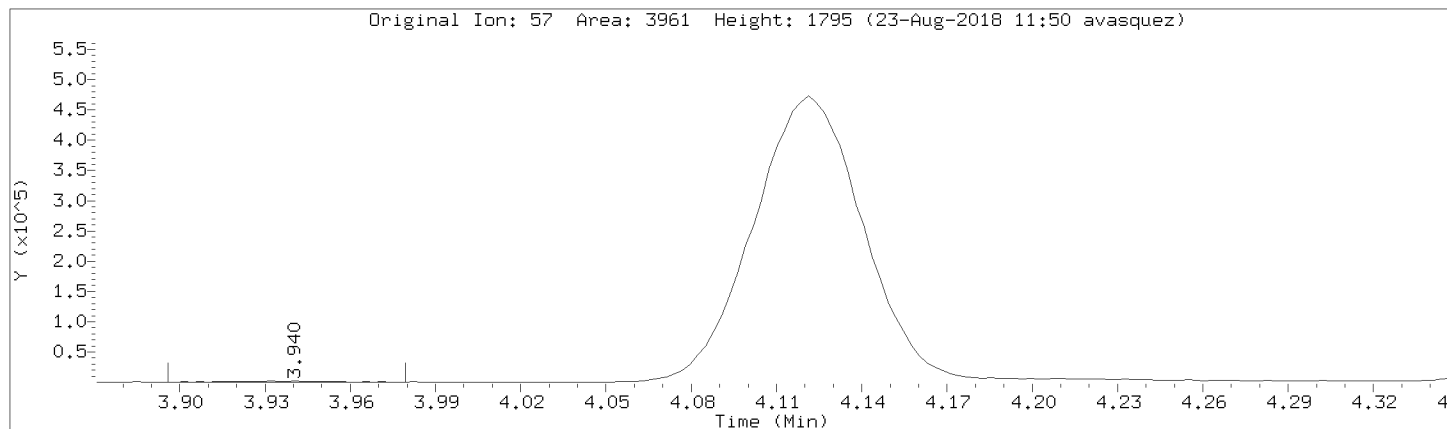
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

Compound: 2,2,4-Trimethylpentane

Review Code: NI

CAS Number: 540-84-1



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a08cal.d

Injection Date: 22-AUG-2018 17:35

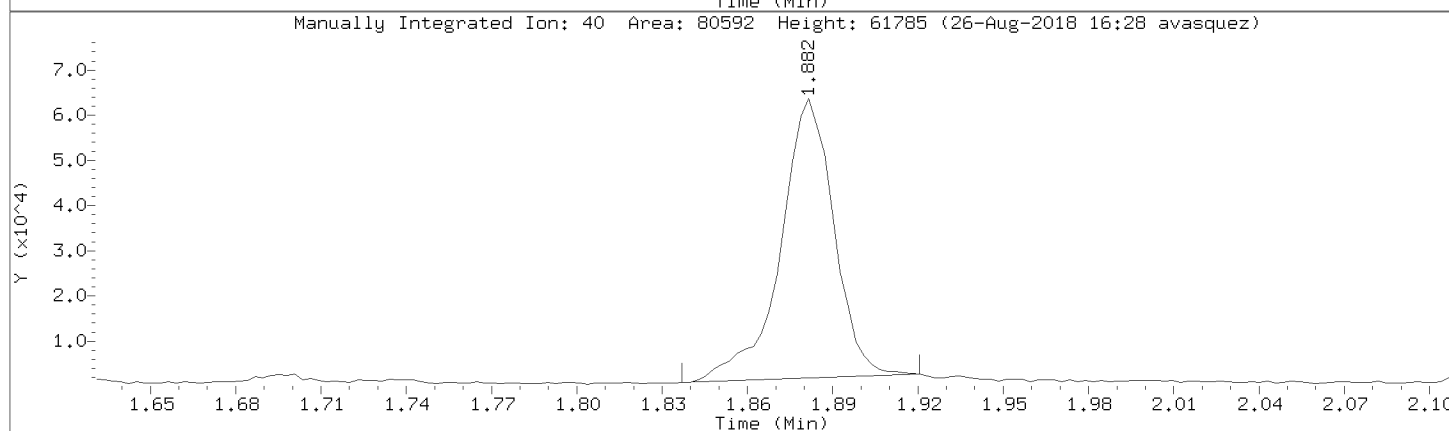
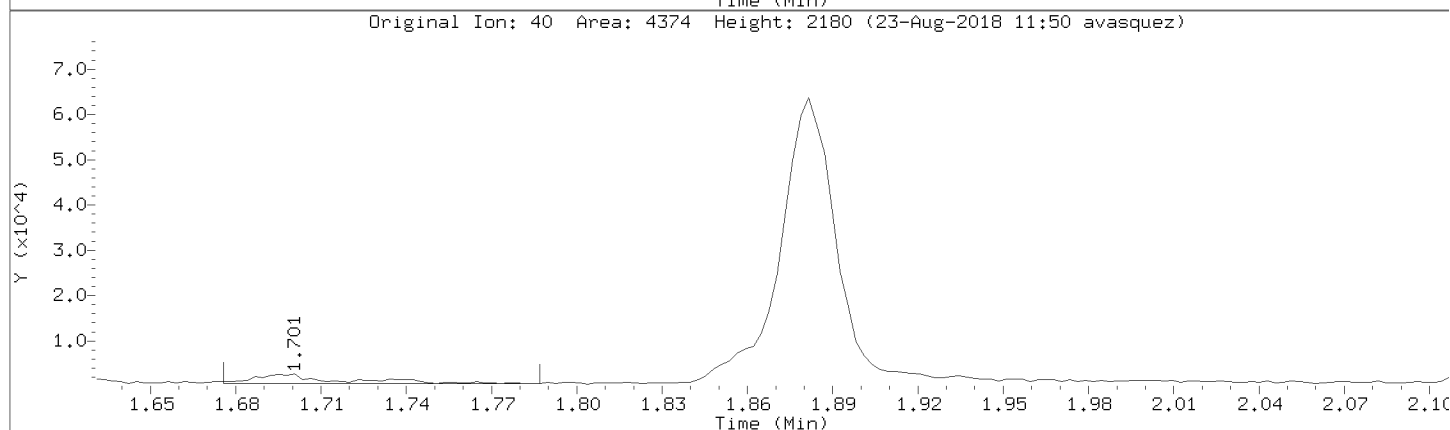
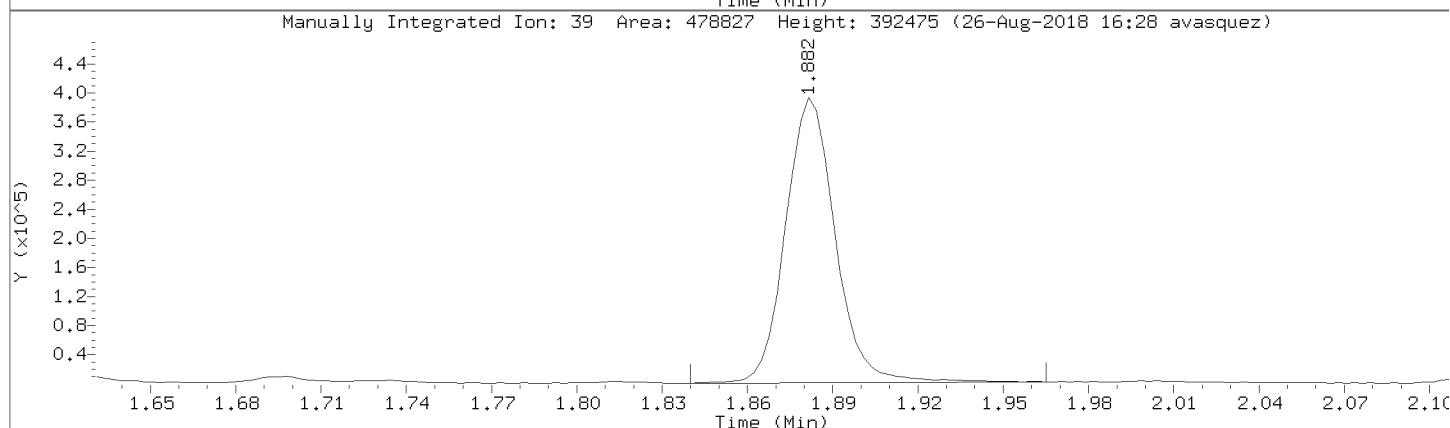
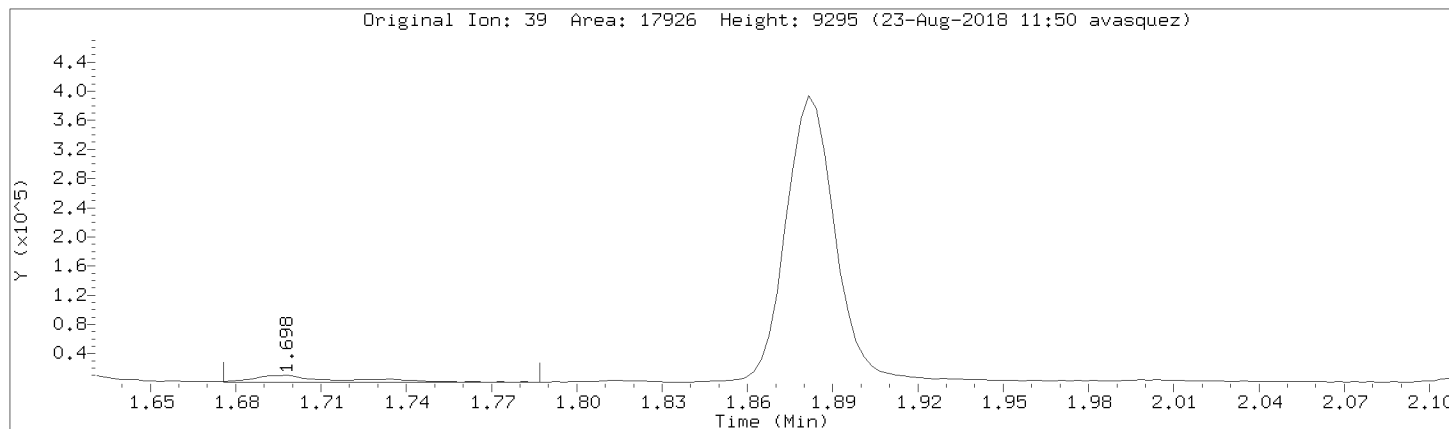
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

Compound: Acetonitrile

Review Code: LT

CAS Number: 75-05-8

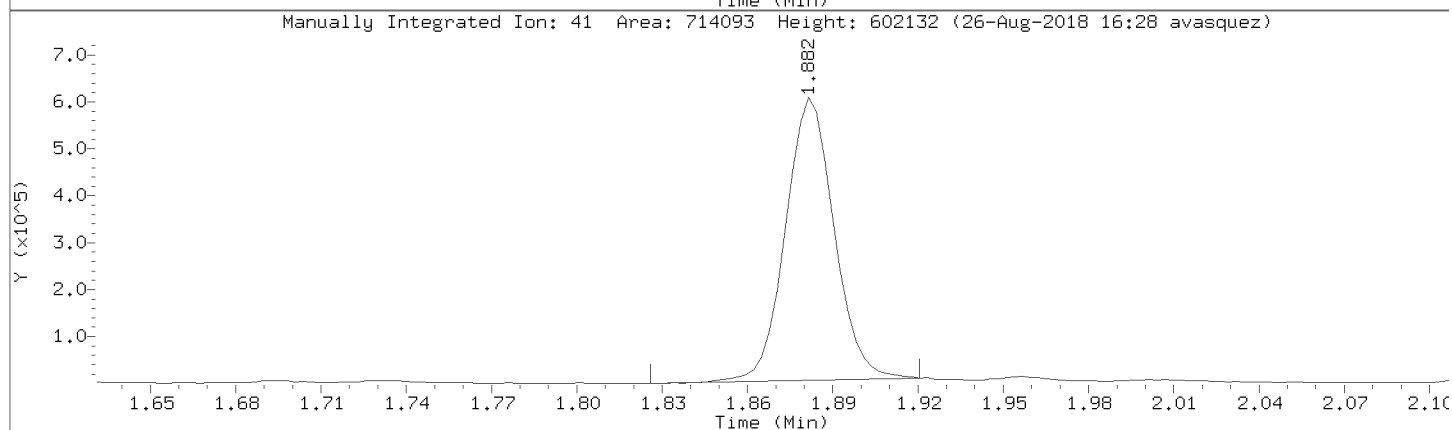
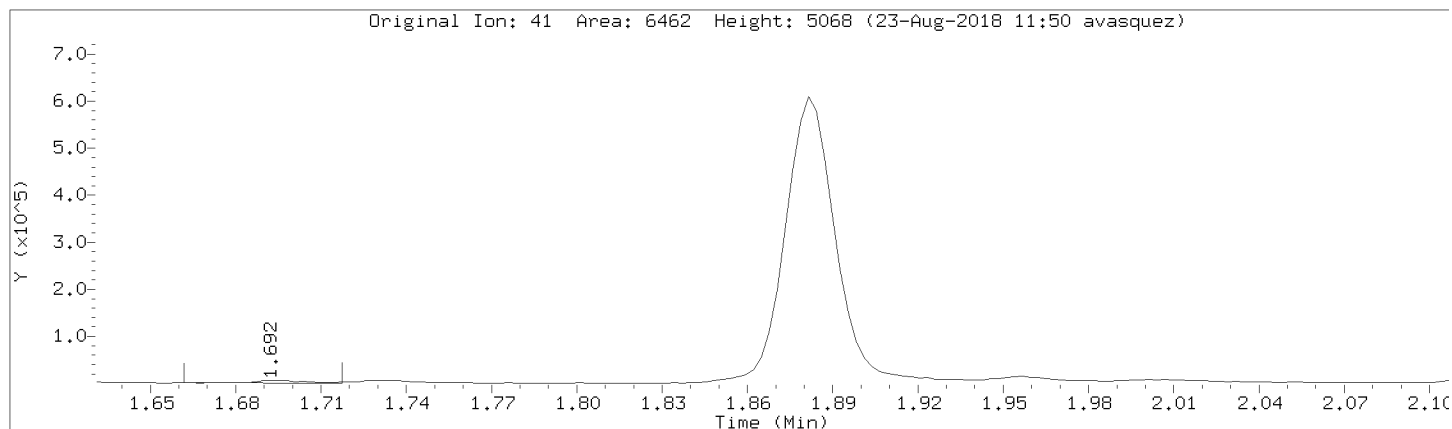


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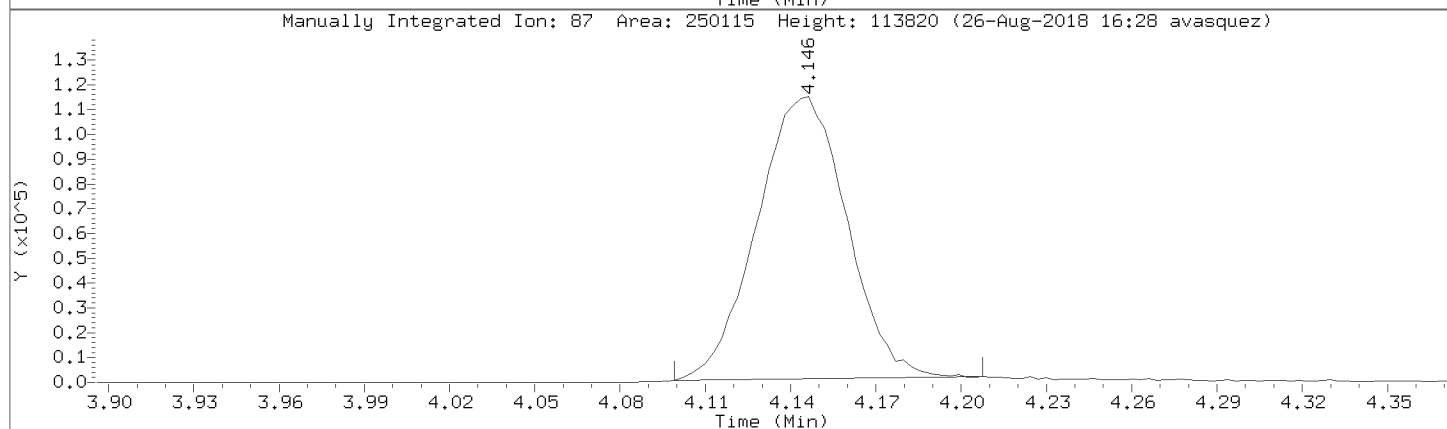
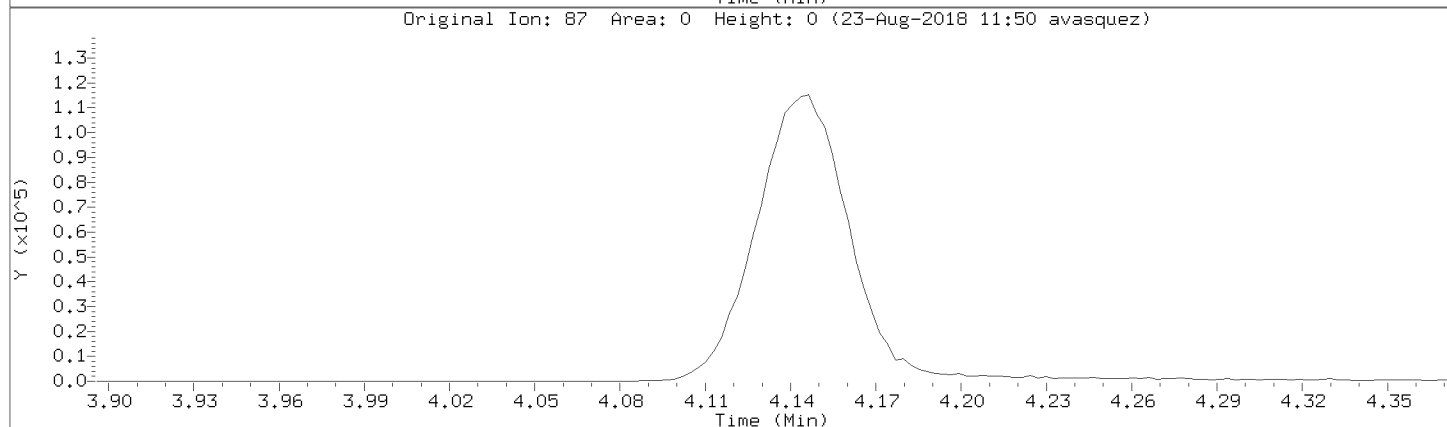
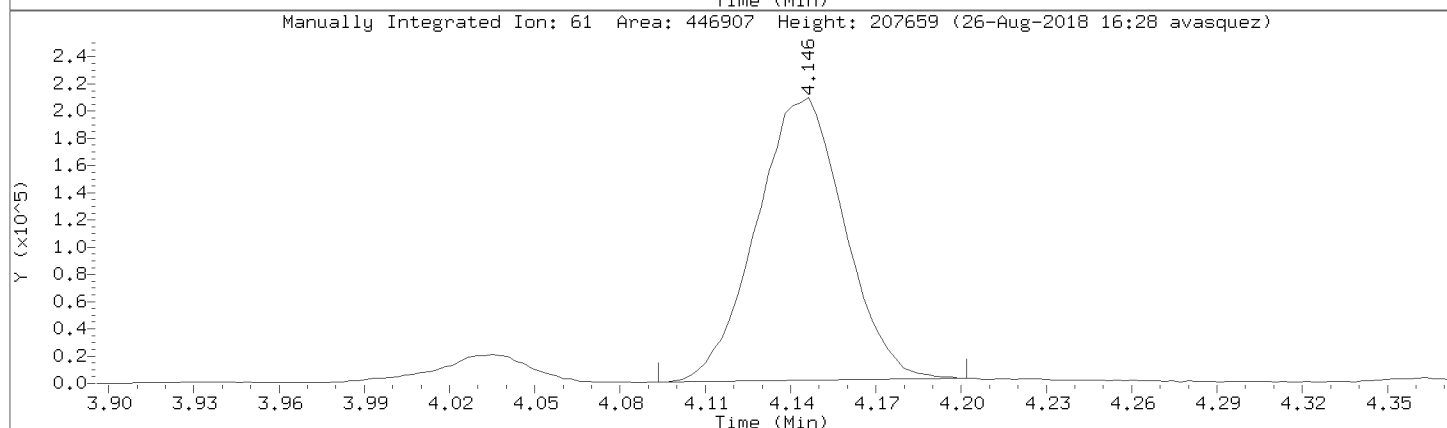
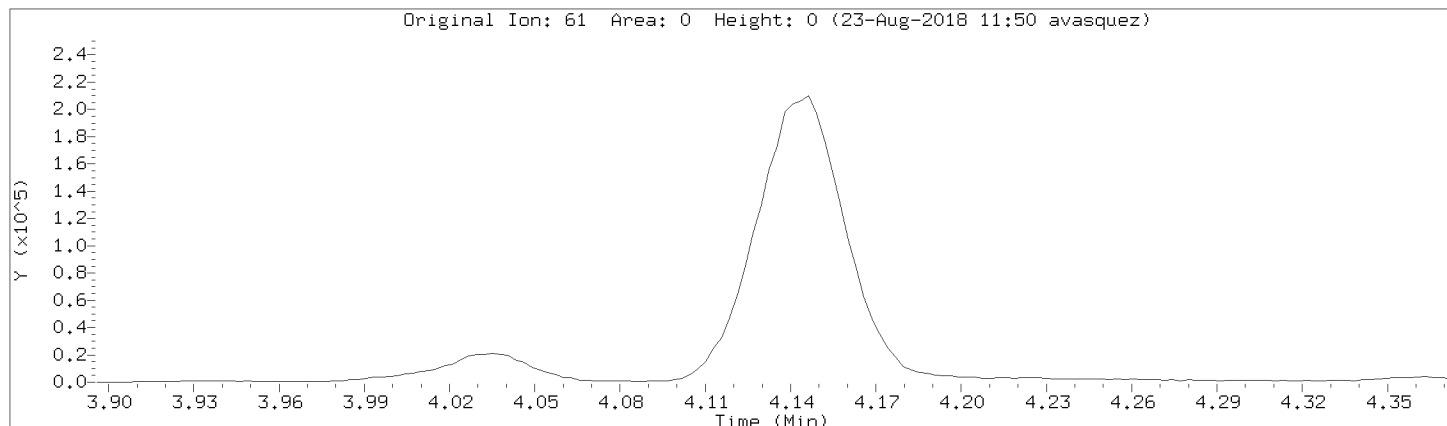
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

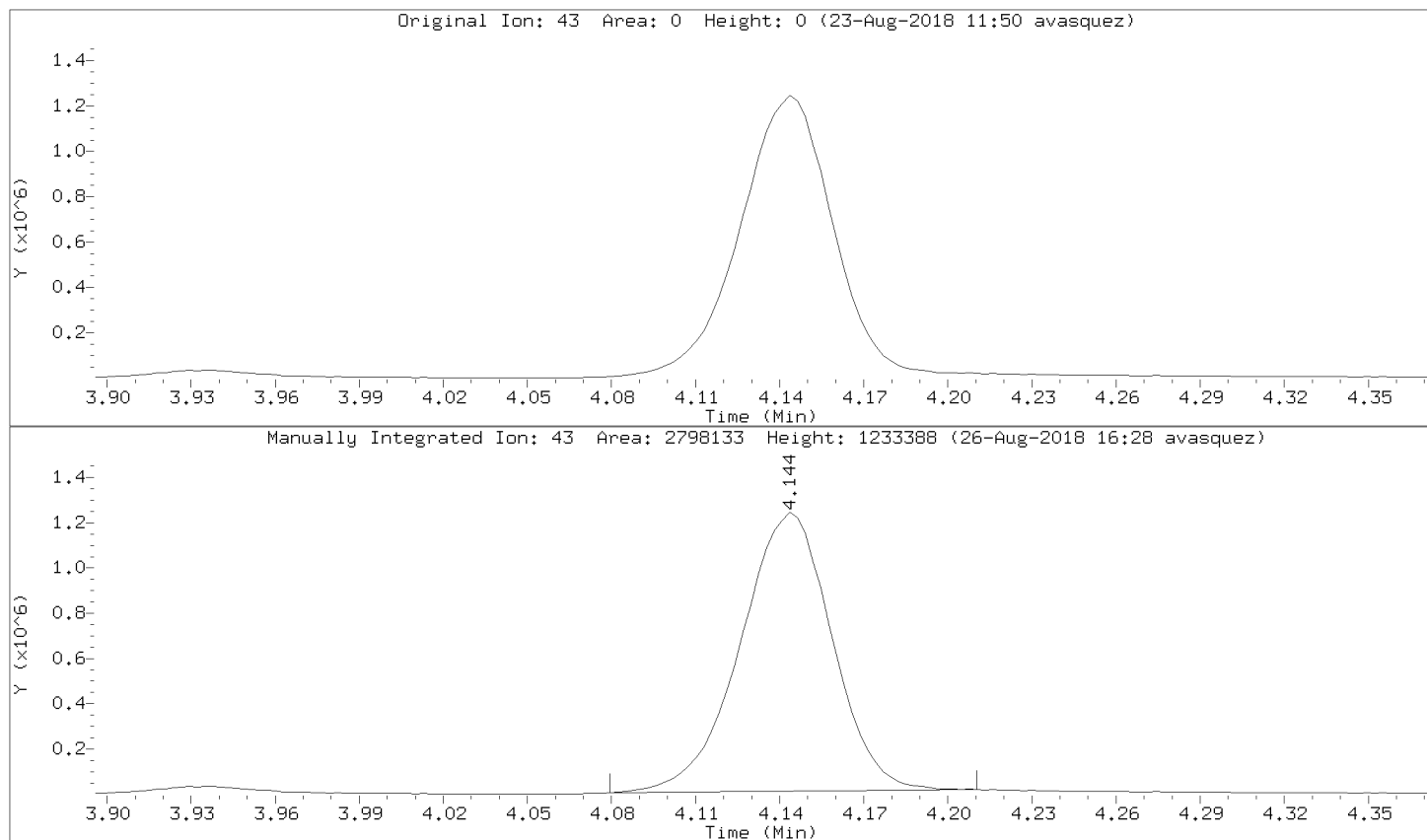


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Injection Date: 22-AUG-2018 17:35
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7

Compound: isopropyl acetate Review Code: NI
CAS Number: 108-21-4



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a08cal.d
Injection Date: 22-AUG-2018 17:35
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7



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Injection Date: 22-AUG-2018 17:35

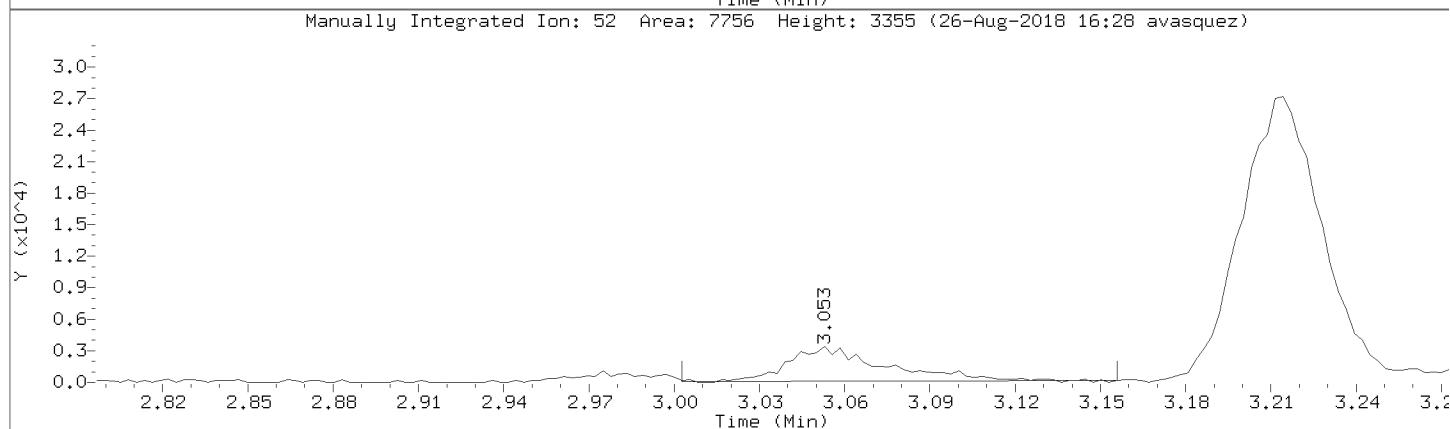
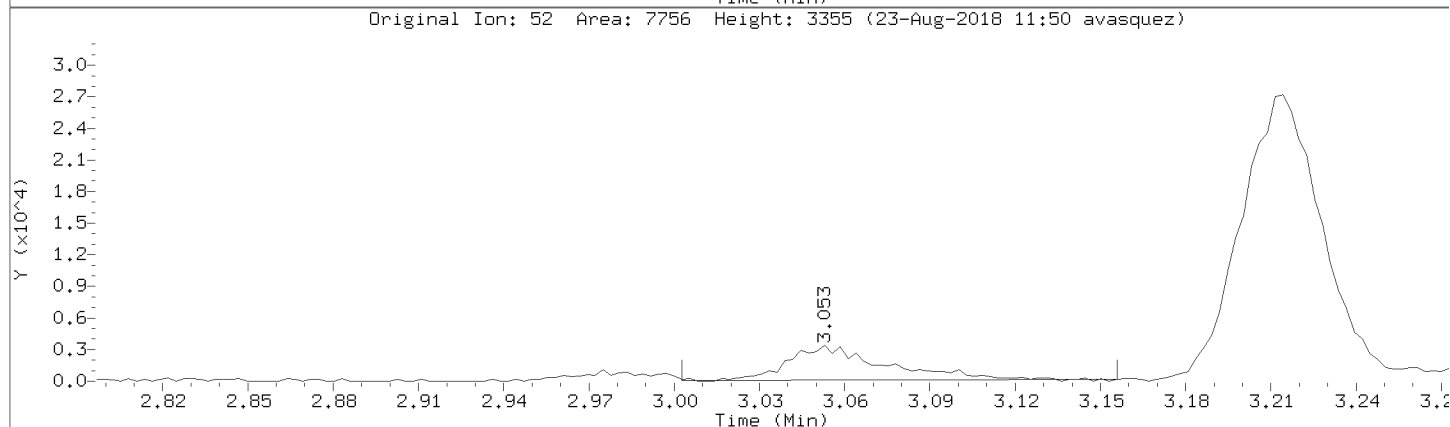
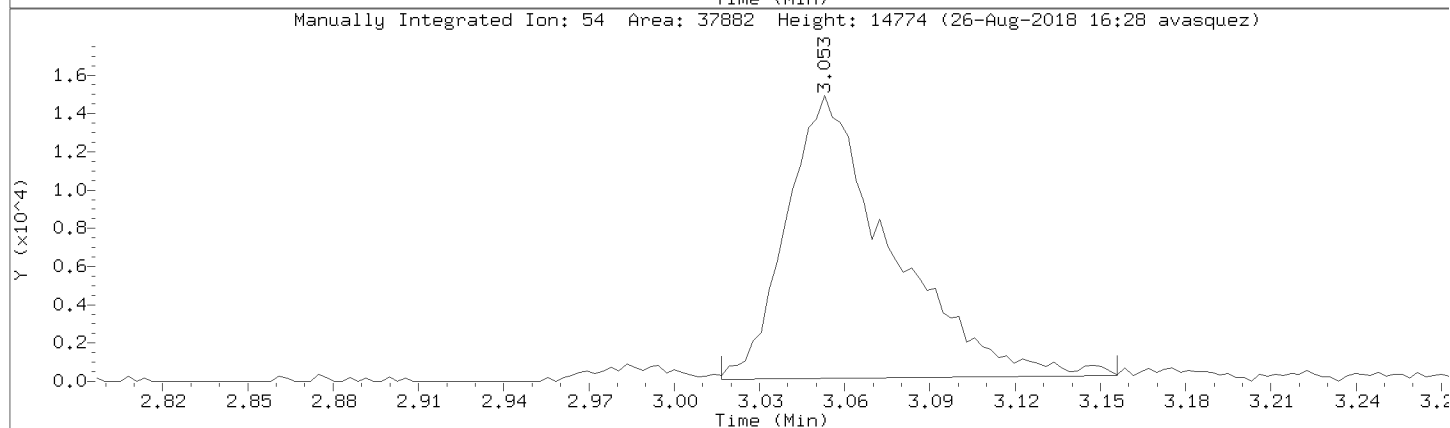
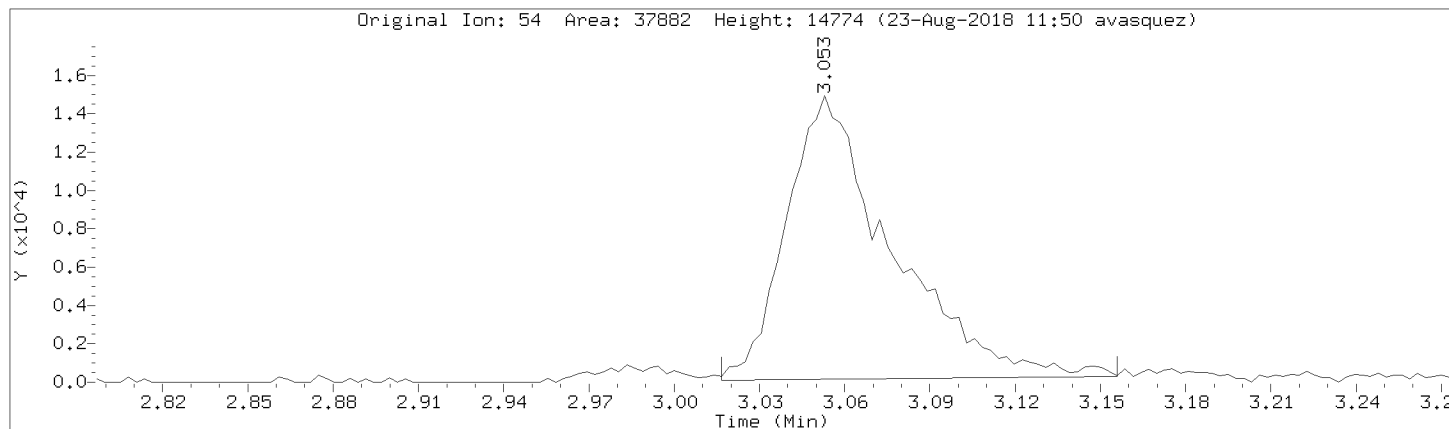
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Lab Sample ID: 8260-CAL7

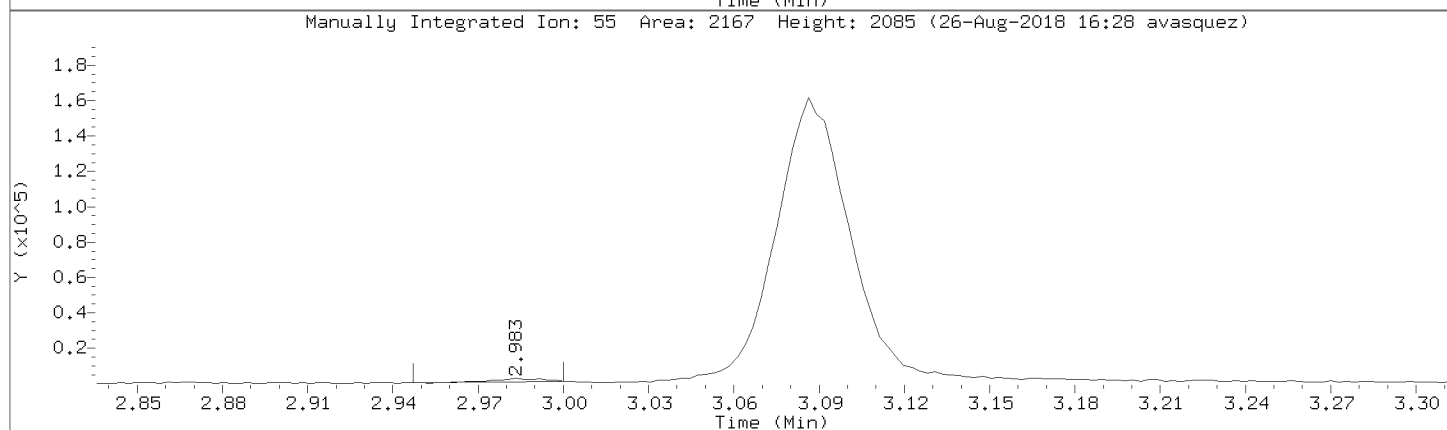
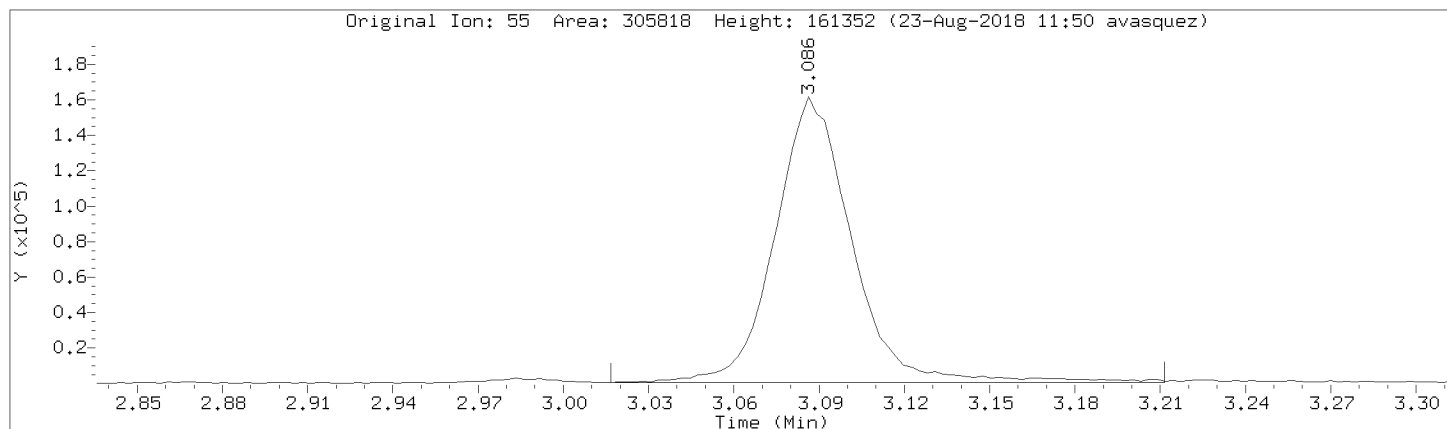
Compound: Propionitrile

Review Code:

CAS Number: 107-12-0

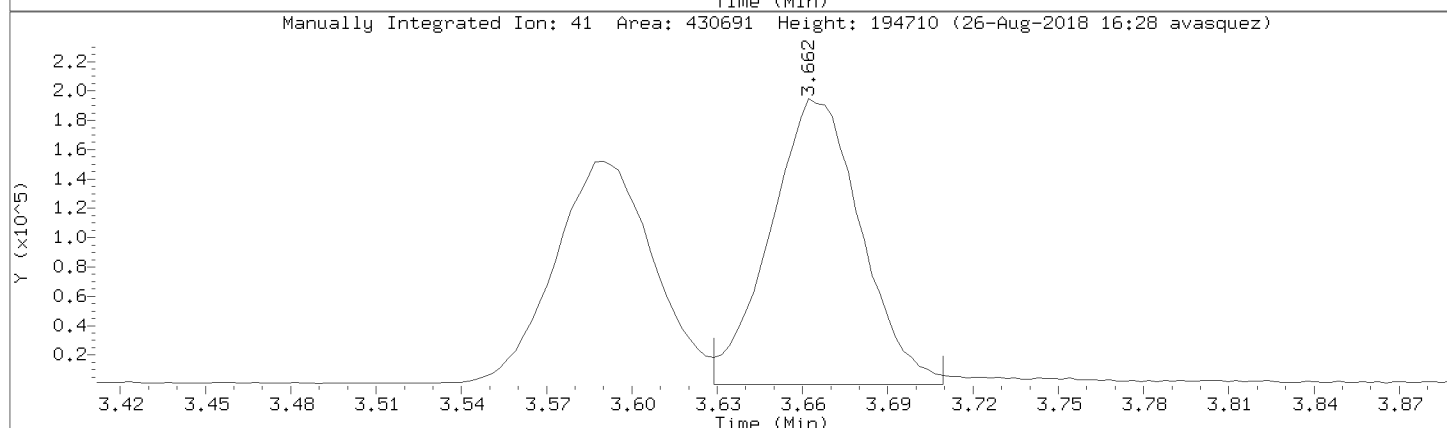
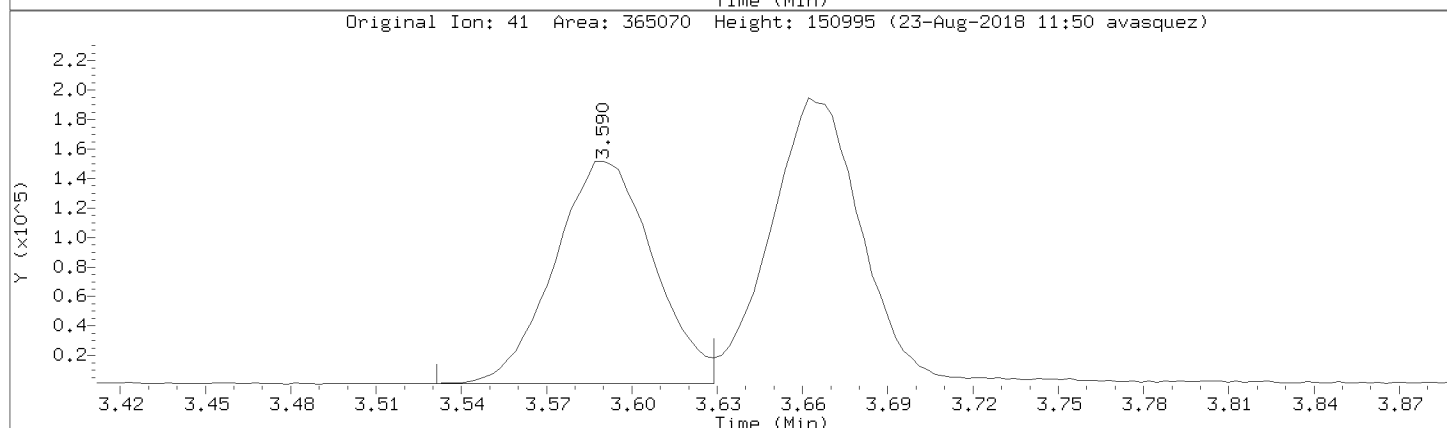
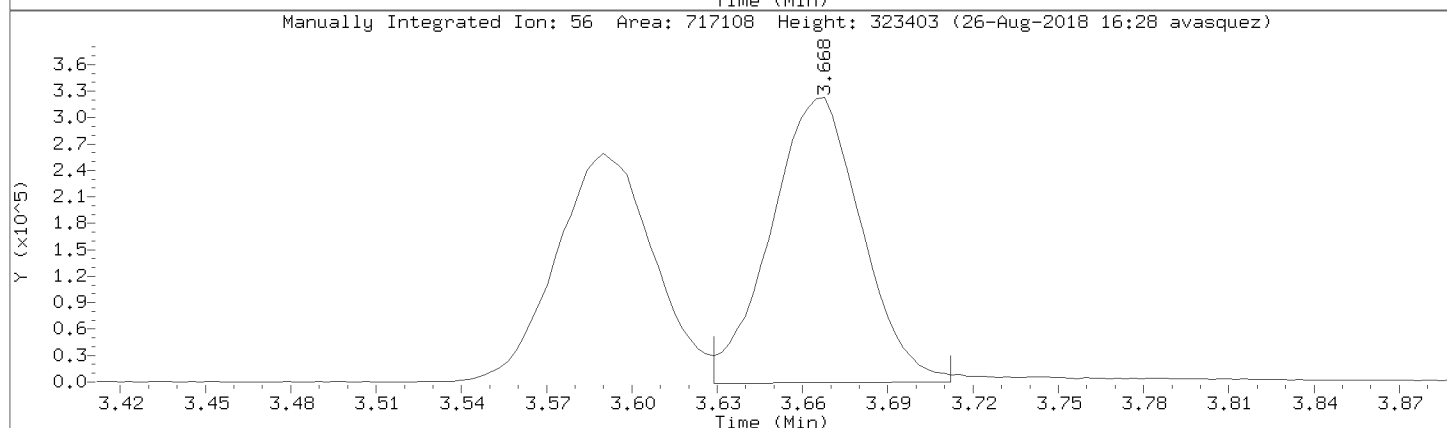
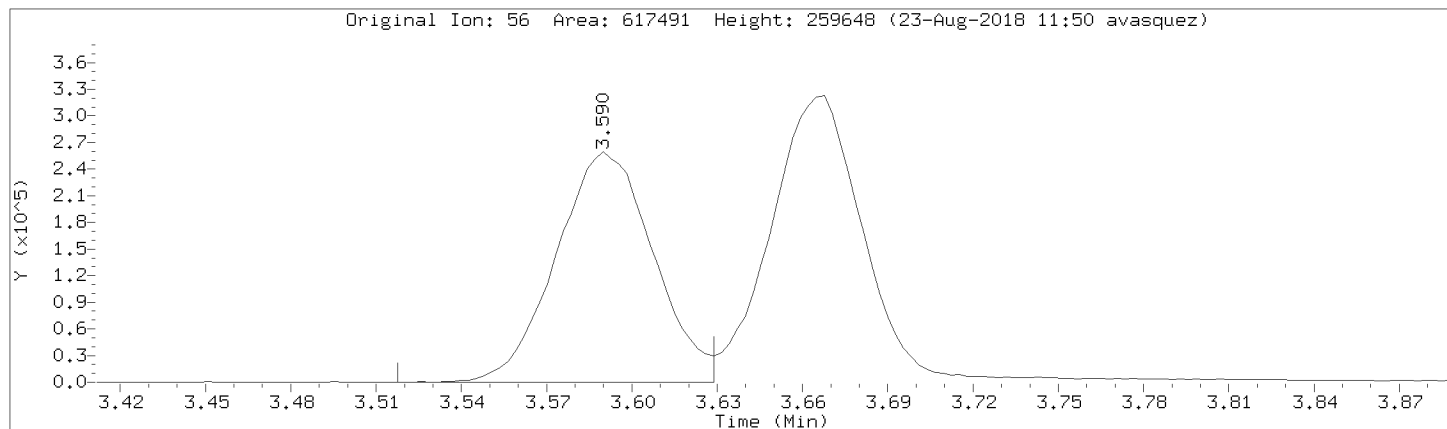


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Injection Date: 22-AUG-2018 17:35
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a08cal.d
Injection Date: 22-AUG-2018 17:35
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7

Compound: n-butyl chloride Review Code: NI
CAS Number: 109-69-3



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a082218.b\a09cal.d
 Lab Smp Id: 8260-CAL8 Client Smp ID: 8260-CAL8
 Inj Date : 22-AUG-2018 18:07
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 8260-cal8,184426:0
 Misc Info : 117473
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a082218.b\ -a8260_a_c.m
 Meth Date : 26-Aug-2018 16:30 50mv2a.i Quant Type: ISTD
 Cal Date : 15-AUG-2018 18:27 Cal File: a08cal.d
 Als bottle: 9 Calibration Sample, Level: 8
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					REVIEW C	
			MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ppb)
1 Dichlorodifluoromethane	85		0.927	0.927	(0.213)	597923	300.000	288 (M)	NI
2 Chloromethane	50		1.030	1.032	(0.236)	689380	300.000	379	
3 Vinyl Chloride	62		1.069	1.069	(0.245)	641347	300.000	286	
4 Bromomethane	94		1.224	1.230	(0.281)	258046	300.000	373	
5 Chloroethane	64		1.272	1.277	(0.292)	335382	300.000	294	
6 Trichlorofluoromethane	101		1.400	1.402	(0.321)	673121	300.000	252 (M)	NI
7 Diethyl ether	74		1.539	1.539	(0.353)	302027	300.000	273	
8 1,2-dichlorotrifluoroethane	67		1.536	1.536	(0.352)	541244	300.000	291	
9 Acrolein	56		1.614	1.614	(0.370)	2409055	6000.00	5650 (M)	NI
10 1,1,2trichlorotrifluoroethane	101		1.664	1.667	(0.382)	507546	300.000	294	
11 1,1-Dichloroethene	96		1.675	1.675	(0.384)	440431	300.000	253 (M)	NI
12 Acetone	43		1.697	1.695	(0.389)	715220	1500.00	1480 (M)	NI
13 Iodomethane	142		1.767	1.770	(0.405)	1043095	600.000	533 (M)	NI
14 Carbon Disulfide	76		1.814	1.814	(0.416)	1477096	300.000	288	
15 Methyl Acetate	43		1.697	1.695	(0.389)	729981	300.000	300 (Q)	
16 Acetonitrile	39		1.881	1.881	(0.431)	717432	300.000	130	
17 allyl chloride	41		1.881	1.881	(0.431)	1113106	600.000	307 (QM)	NI
18 Methylene Chloride	84		1.956	1.956	(0.449)	485894	300.000	301 (M)	NI
19 tert-Butyl Alcohol	59		2.009	2.003	(0.461)	87383	600.000	558	
20 Acrylonitrile	53		2.118	2.112	(0.486)	891628	1200.00	1150 (M)	NI
21 Methyl-tert-butyl ether	73		2.132	2.134	(0.489)	1592101	300.000	298 (M)	NI
22 1,2-Dichloroethene (trans)	96		2.140	2.140	(0.491)	532958	300.000	280	
23 n-Hexane	57		2.335	2.335	(0.535)	1107758	300.000	301	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
24 Vinyl Acetate	43	2.488	2.485	(0.571)	6684045	1200.00	1130 (MH)	WP
25 1,1-Dichloroethane	63	2.454	2.454	(0.563)	1050863	300.000	291 (M)	NI
26 Chloroprene	53	2.529	2.529	(0.580)	1186537	300.000	289	
27 Ethyl acetate	88	2.529	2.529	(0.580)	501560	2400.00	2410 (M)	NI
28 2-Butanone	72	2.988	2.983	(0.685)	271378	1500.00	1550	
29 1,2-Dichloroethene (cis)	96	2.975	2.969	(0.682)	567977	300.000	270	
30 2,2-Dichloropropane	77	2.975	2.972	(0.682)	854115	300.000	273 (M)	NI
31 Propionitrile	54	3.058	3.047	(0.701)	74238	300.000	291 (M)	
32 Methacrylonitrile	41	3.217	3.214	(0.738)	415430	300.000	299 (M)	NI
33 Bromochloromethane	49	3.222	3.219	(0.739)	418797	300.000	250 (M)	NI
34 Tetrahydrofuran	42	3.272	3.269	(0.751)	192832	300.000	296 (M)	NI
35 Chloroform	83	3.314	3.311	(0.760)	946494	300.000	263 (M)	NI
\$ 36 Dibromofluoromethane (S)	113	3.503	3.503	(0.803)	86175	50.0000	50.3	
37 1,1,1-Trichloroethane	97	3.528	3.523	(0.809)	926353	300.000	300 (M)	NI
38 cyclohexane	56	3.592	3.587	(0.824)	1203967	300.000	283	
150 n-butyl chloride	56	3.667	3.662	(0.841)	1401564	300.000	277 (M)	NI
39 Carbon Tetrachloride	117	3.731	3.728	(0.856)	798662	300.000	287 (M)	NI
40 1,1-Dichloropropene	75	3.737	3.734	(0.857)	807018	300.000	308 (M)	NI
41 Benzene	78	4.004	4.004	(0.918)	2121983	300.000	284 (M)	NI
42 1,2-Dichloroethane	62	4.035	4.032	(0.925)	733397	300.000	268 (M)	NI
43 2,2,4-Trimethylpentane	57	4.124	4.121	(0.946)	2452068	300.000	283 (M)	NI
44 Isobutyl alcohol	43	3.940	3.662	(0.904)	136598	2700.00	2720 (TQM)	NI
* 45 Fluorobenzene	96	4.360	4.363	(1.000)	383878	50.0000		
46 isopropyl acetate	61	4.146	4.146	(0.951)	883362	1200.00	1180 (M)	NI
47 Trichloroethene	95	4.808	4.802	(1.103)	590817	300.000	290	
48 Methylcyclohexane	55	5.022	5.022	(1.152)	1050181	300.000	293 (M)	
49 1,2-Dichloropropane	63	5.072	5.067	(1.163)	593547	300.000	300 (M)	NI
50 1,4-Dioxane	88	5.248	5.245	(1.204)	38144	6000.00	6190 (M)	NI
51 Dibromomethane	93	5.200	5.200	(1.193)	304085	300.000	293 (M)	NI
52 Methyl methacrylate	69	5.253	5.248	(1.205)	399116	300.000	266 (M)	NI
53 Bromodichloromethane	83	5.401	5.398	(1.239)	740951	300.000	273 (M)	NI
54 2-Chloroethyl vinyl ether	63	5.773	5.771	(0.765)	810377	600.000	601	
55 cis-1,3-Dichloropropene	75	5.910	5.907	(0.783)	891493	300.000	304	
56 4-Methyl-2-Pentanone	43	6.105	6.099	(0.809)	3316093	1500.00	1460	
\$ 57 Toluene-d8	98	6.191	6.188	(0.821)	341444	50.0000	50.6	
58 Toluene	91	6.263	6.260	(0.830)	2367209	300.000	285	
59 trans-1,3-Dichloropropene	75	6.516	6.513	(0.864)	829204	300.000	301	
60 Ethyl Methacrylate	69	6.636	6.633	(0.880)	756330	300.000	296	
61 1,1,2-Trichloroethane	83	6.692	6.689	(0.887)	354411	300.000	294 (QM)	NI
62 Tetrachloroethene	166	6.808	6.806	(0.903)	679264	300.000	305	
63 1,3-Dichloropropane	76	6.847	6.845	(0.908)	800871	300.000	296	
64 2-Hexanone	43	6.950	6.945	(0.921)	2234182	1500.00	1390	
65 Dibromochloromethane	129	7.048	7.045	(0.934)	552405	300.000	304	
66 1,2-Dibromoethane	107	7.137	7.134	(0.946)	456544	300.000	301	
* 67 Chlorobenzene-d5	117	7.543	7.540	(1.000)	276171	50.0000		
68 Chlorobenzene	112	7.565	7.565	(1.003)	1438718	300.000	300	
69 1,1,1,2-Tetrachloroethane	131	7.640	7.640	(1.013)	527082	300.000	284	
70 Ethylbenzene	106	7.668	7.663	(1.017)	796176	300.000	285	
71 m&p-Xylene	106	7.766	7.763	(1.030)	1917969	600.000	552	
72 o-Xylene	106	8.074	8.072	(1.070)	912362	300.000	287	
73 Styrene	104	8.086	8.083	(1.072)	1586432	300.000	294	
74 Bromoform	173	8.219	8.219	(0.887)	389748	300.000	290	
75 Isopropylbenzene	105	8.355	8.353	(1.108)	2497543	300.000	275	
\$ 76 4-Bromofluorobenzene	95	8.464	8.461	(1.122)	128048	50.0000	49.5	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
77 n-amyl acetate	70	8.244	8.241 (1.093)		1439336	1200.00	1110	
78 Bromobenzene	77	8.570	8.567 (1.136)		943671	300.000	297	
79 1,1,2,2-Tetrachloroethane	83	8.578	8.575 (0.925)		570304	300.000	266	
80 trans-1,4-Dichloro-2-butene	53	8.620	8.614 (1.143)		213259	300.000	287	
81 1,2,3-Trichloropropane	110	8.606	8.603 (0.928)		179441	300.000	268	
82 n-Propylbenzene	91	8.656	8.650 (0.934)		3046095	300.000	286	
83 2-Chlorotoluene	91	8.712	8.709 (0.940)		1733844	300.000	298	
84 1,3,5-Trimethylbenzene	105	8.778	8.775 (0.947)		2037938	300.000	277	
85 4-Chlorotoluene	126	8.789	8.787 (0.948)		584885	300.000	288	
86 tert-Butylbenzene	119	9.004	9.004 (0.971)		2386283	300.000	279	
87 1,2,4-Trimethylbenzene	105	9.037	9.034 (0.975)		2075486	300.000	282	
88 sec-Butylbenzene	105	9.154	9.151 (0.987)		2735884	300.000	288	
89 1,3-Dichlorobenzene	146	9.226	9.223 (0.995)		1191150	300.000	297 (H)	WP
90 p-Isopropyltoluene	119	9.248	9.246 (0.998)		2388754	300.000	300	
* 91 1,4-Dichlorobenzene-d4	152	9.271	9.268 (1.000)		148187	50.0000	(Q)	
92 1,4-Dichlorobenzene	146	9.287	9.285 (1.002)		1189520	300.000	295	
93 n-Butylbenzene	91	9.518	9.516 (1.027)		2192453	300.000	292	
94 1,2-Dichlorobenzene	146	9.532	9.532 (1.028)		1087372	300.000	303	
95 1,2-Dibromo-3-chloropropane	155	10.033	10.033 (1.082)		109877	300.000	303	
96 1,2,4-Trichlorobenzene	180	10.545	10.545 (1.137)		810378	300.000	315	
97 Hexachlorobutadiene	225	10.642	10.640 (1.148)		427827	300.000	321	
98 Naphthalene	128	10.701	10.701 (1.154)		1928277	300.000	323	
99 1,2,3-Trichlorobenzene	180	10.845	10.845 (1.170)		752710	300.000	326	
100 2-methyl-naphthalene	142	11.421	11.419 (1.232)		1012586	300.000	330	
101 1-Methylnaphthalene	142	11.558	11.558 (1.247)		829669	300.000	336	

QC Flag Legend

- T - Target compound detected outside RT window.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

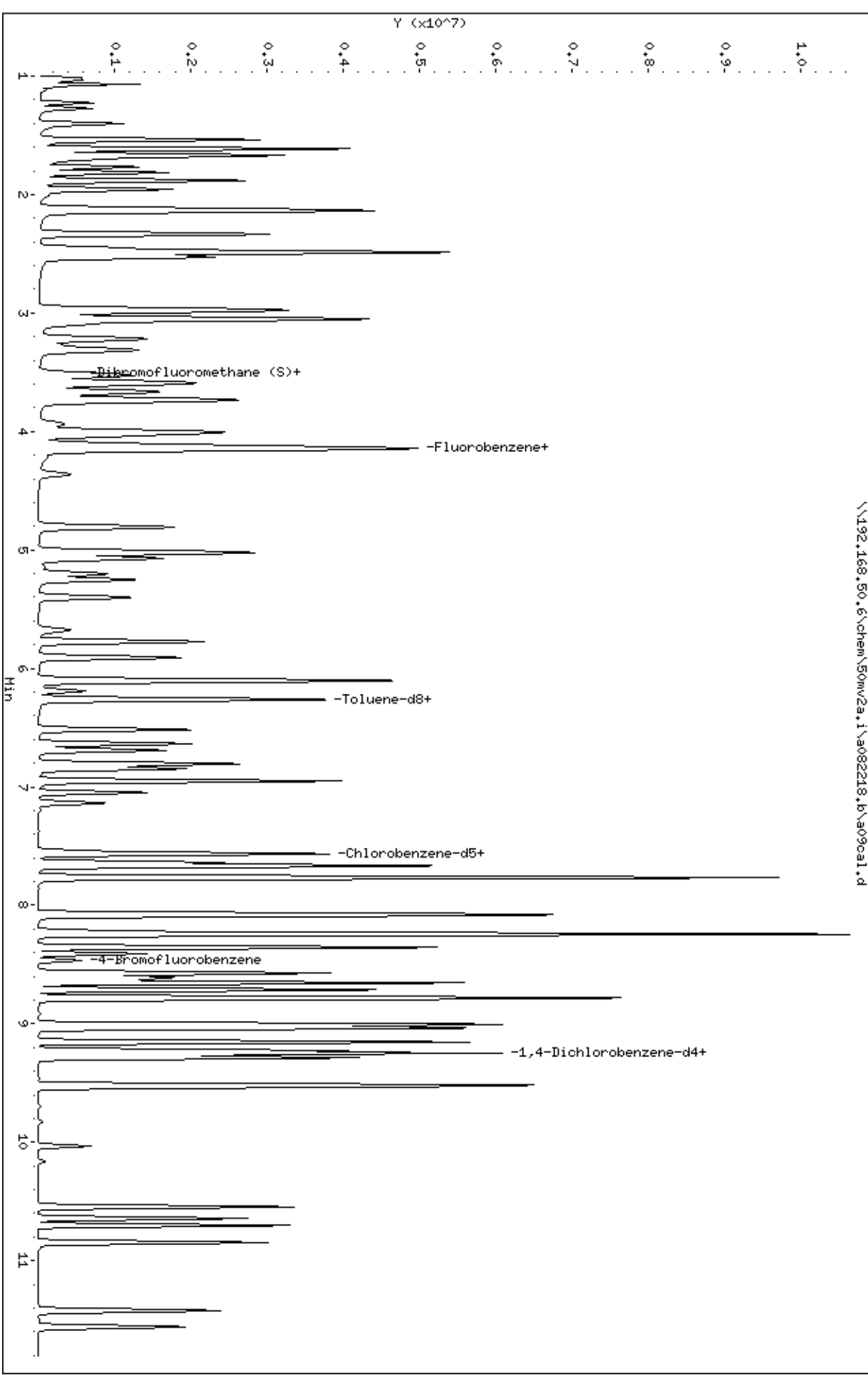
Review Codes Legend

- NI: Indicates that the peak was not integrated at all by the computer software.
- :
- WP: Indicates that the wrong peak was chosen by the data system.

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Date: 22-AUG-2018 18:07
Client ID: 8260-CAL8
Sample Info: 8260-CAL8,184426:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw2a.1
Operator: amw
Column diameter: 0.18

\\192.168.50.6\chem\50mw2a.1\A082218.b\A090a1.d



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Injection Date: 22-AUG-2018 18:07

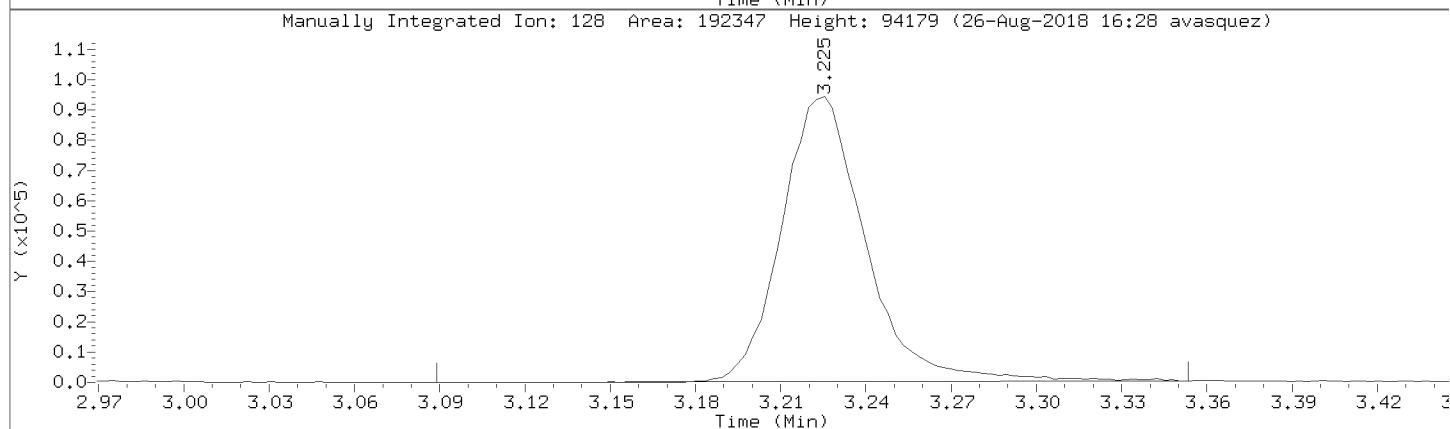
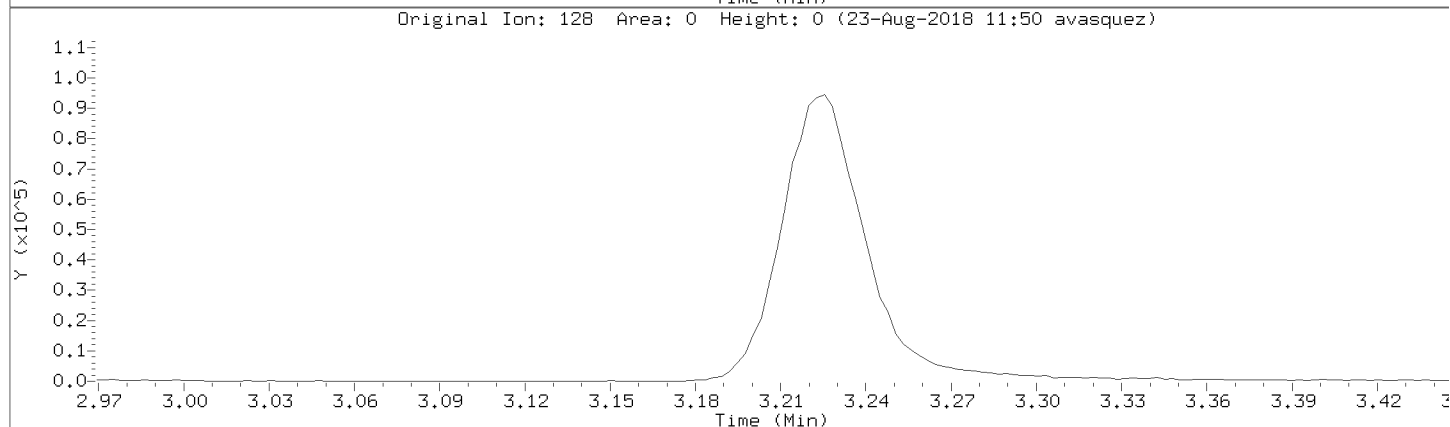
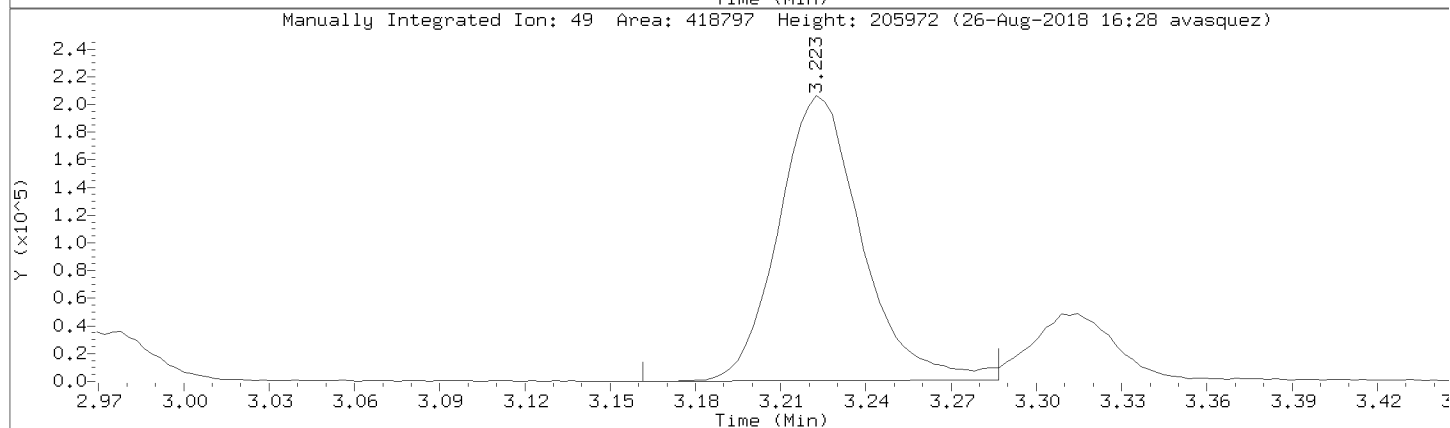
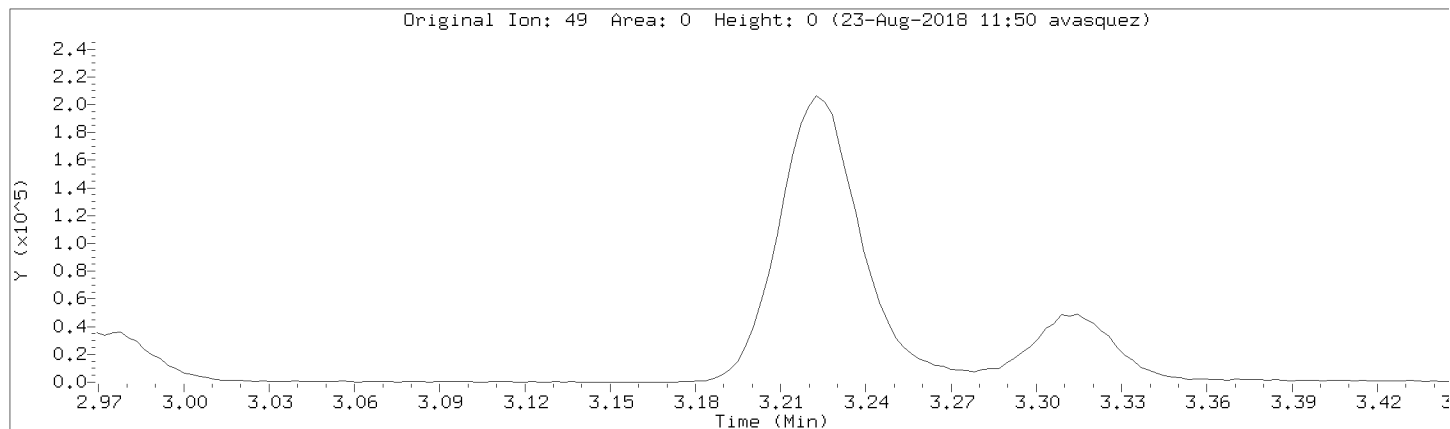
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Lab Sample ID: 8260-CAL8

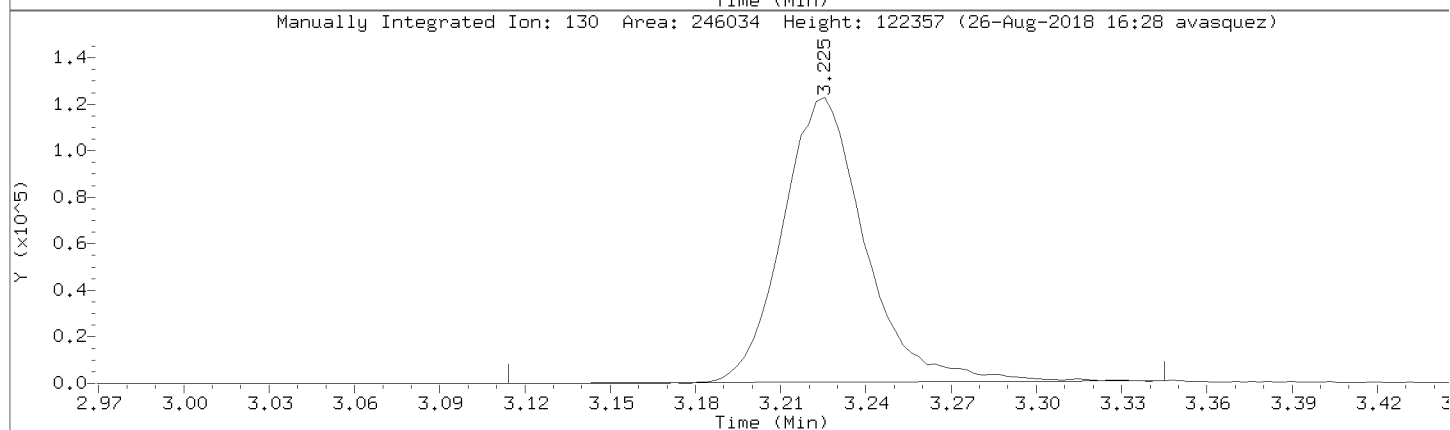
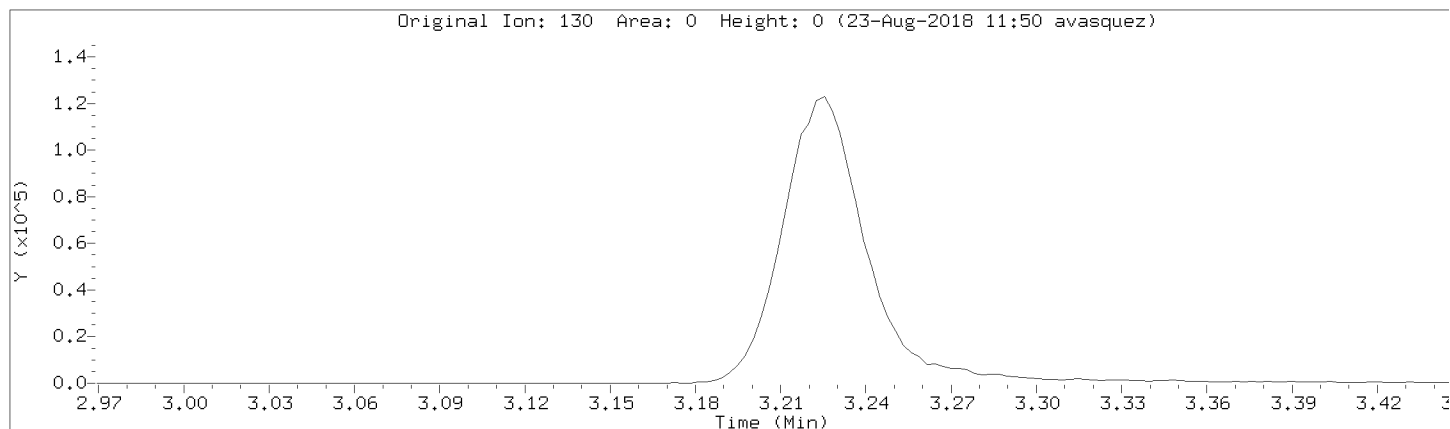
Compound: Bromochloromethane

Review Code: NI

CAS Number: 74-97-5

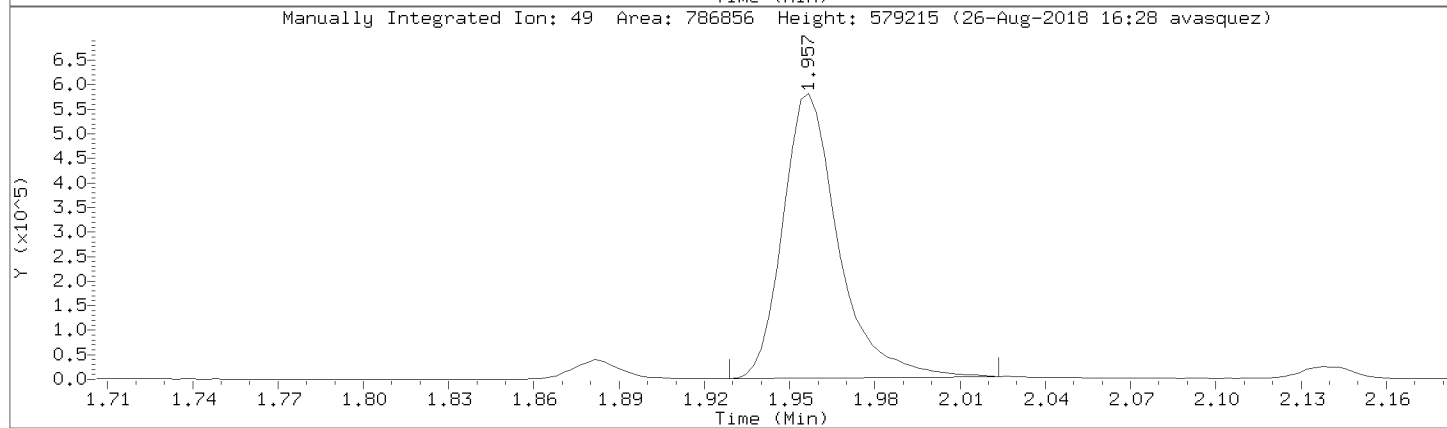
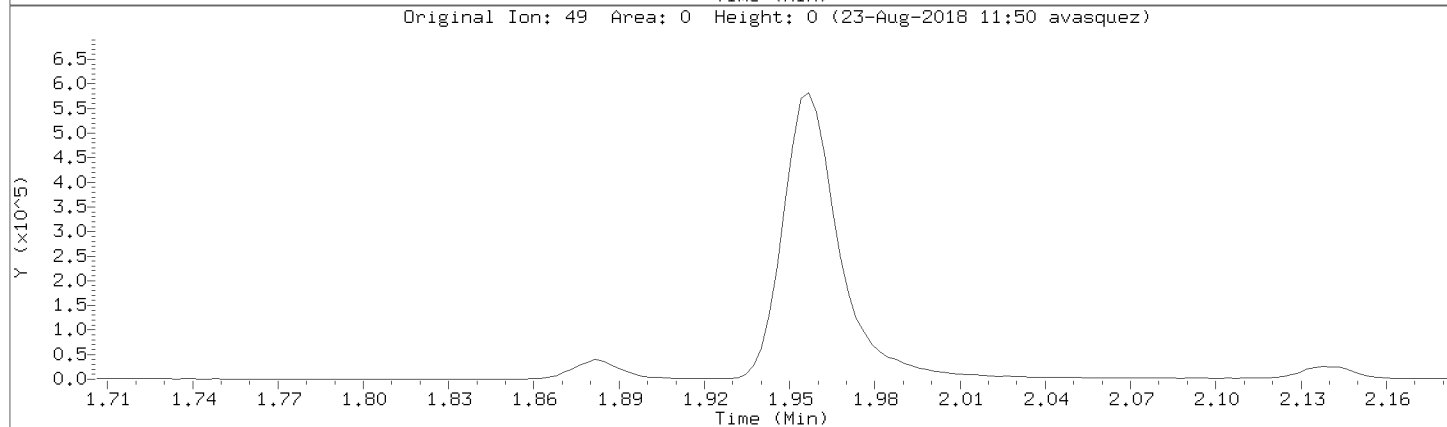
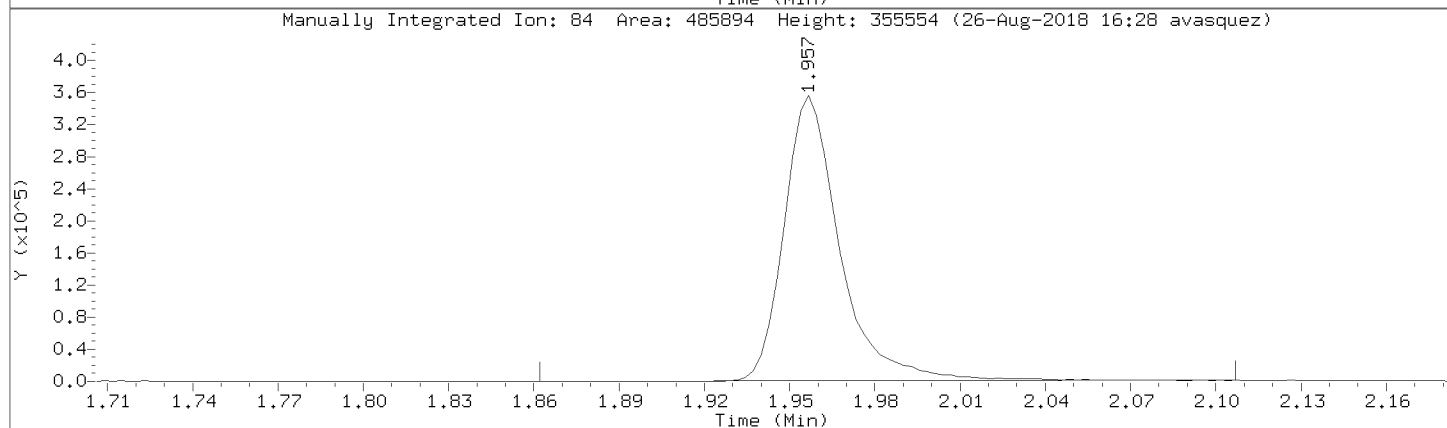
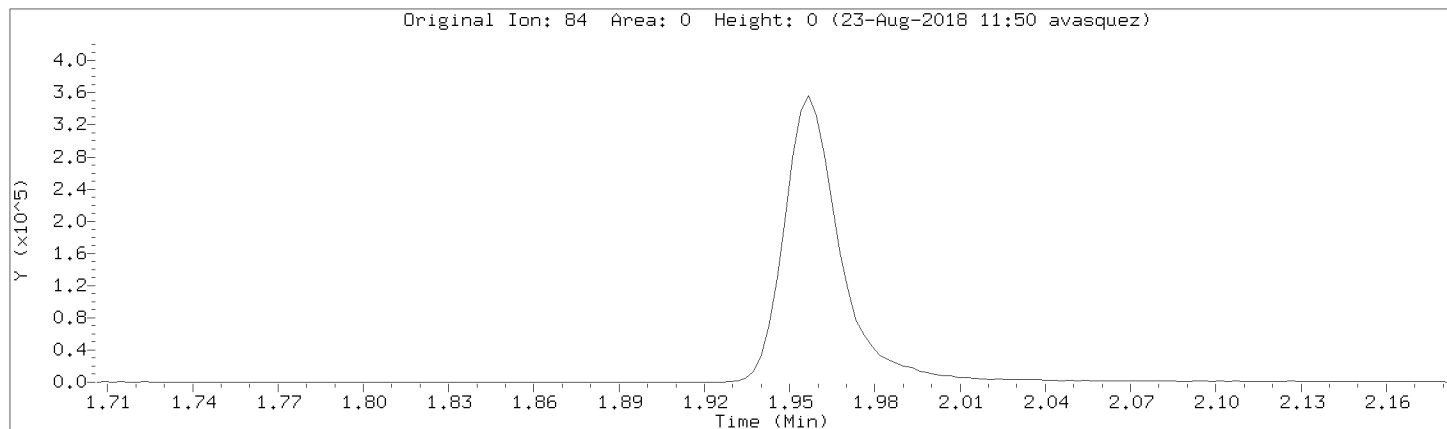


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

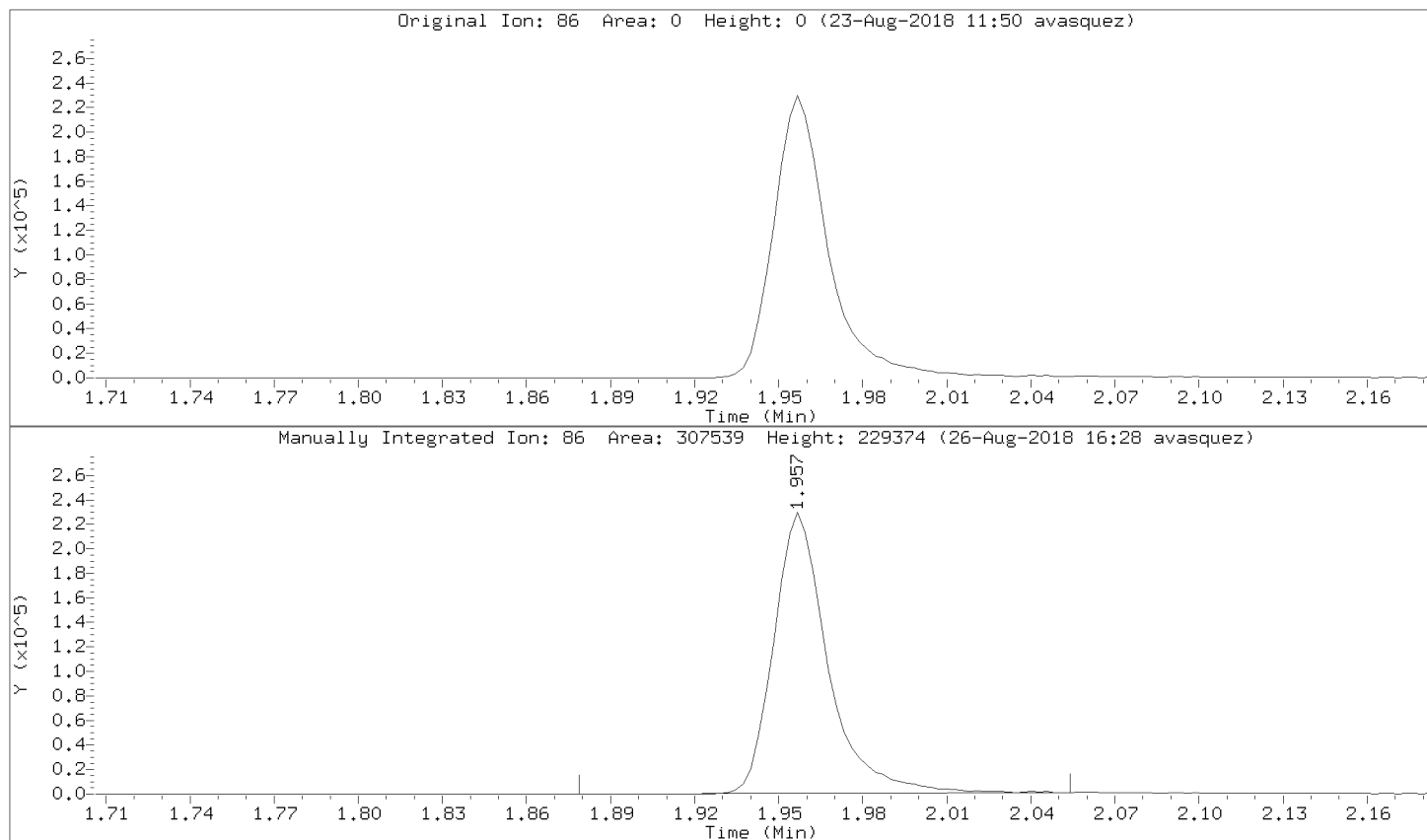


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

Compound: Methylene Chloride Review Code: NI
CAS Number: 75-09-2

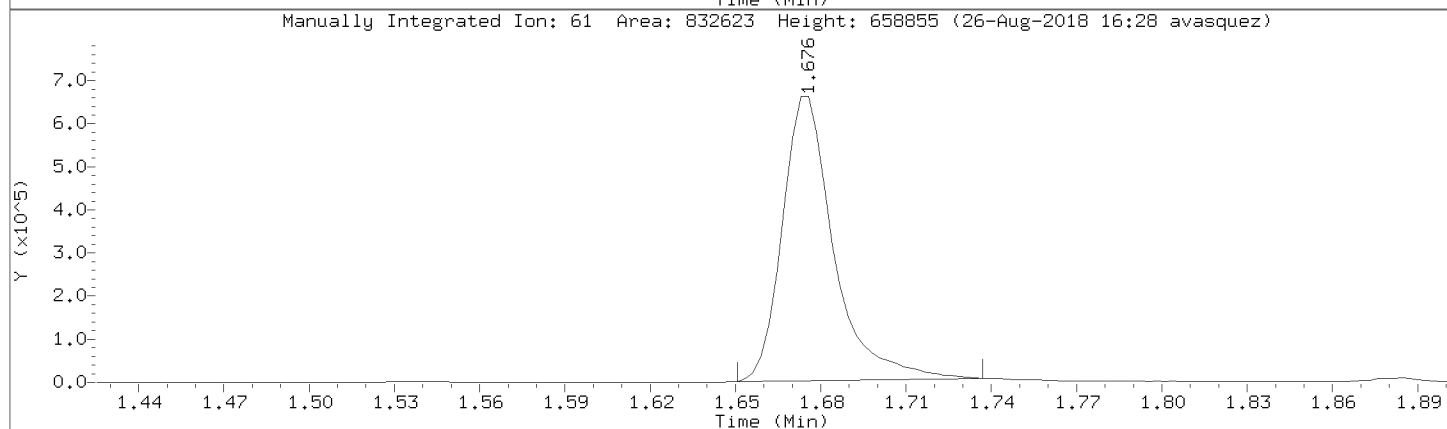
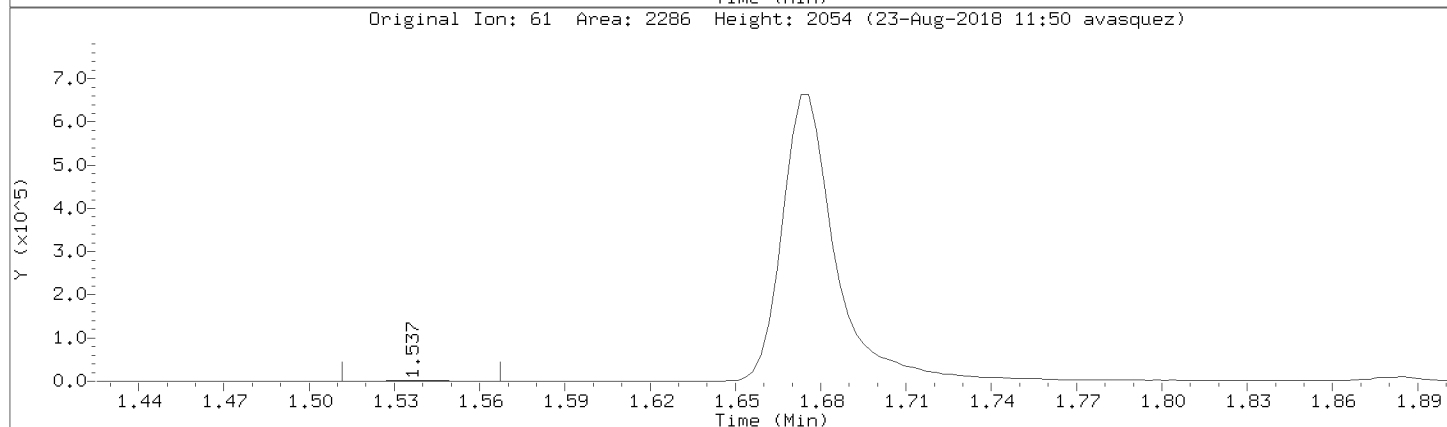
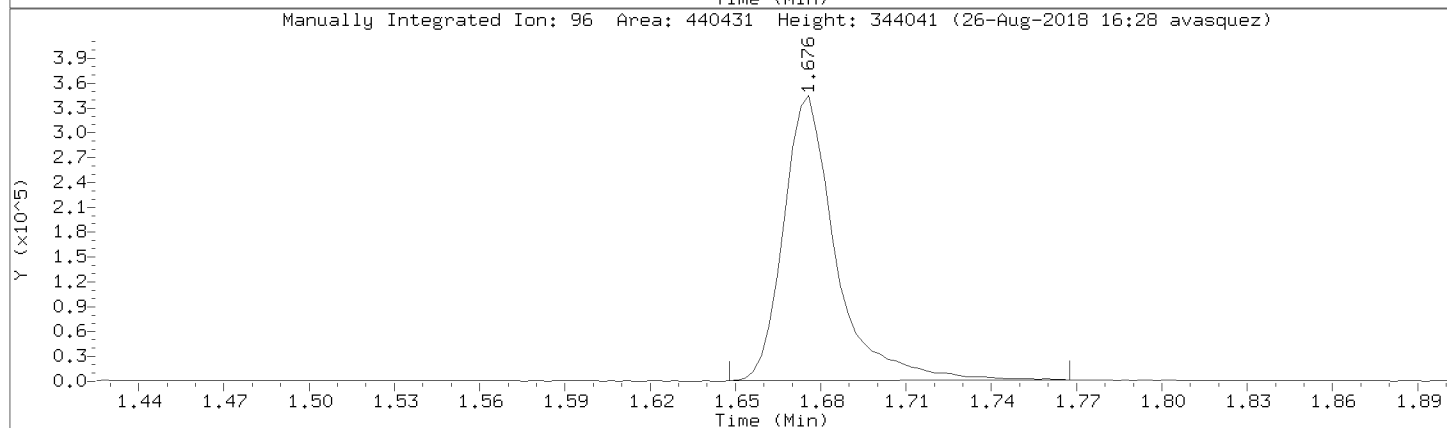
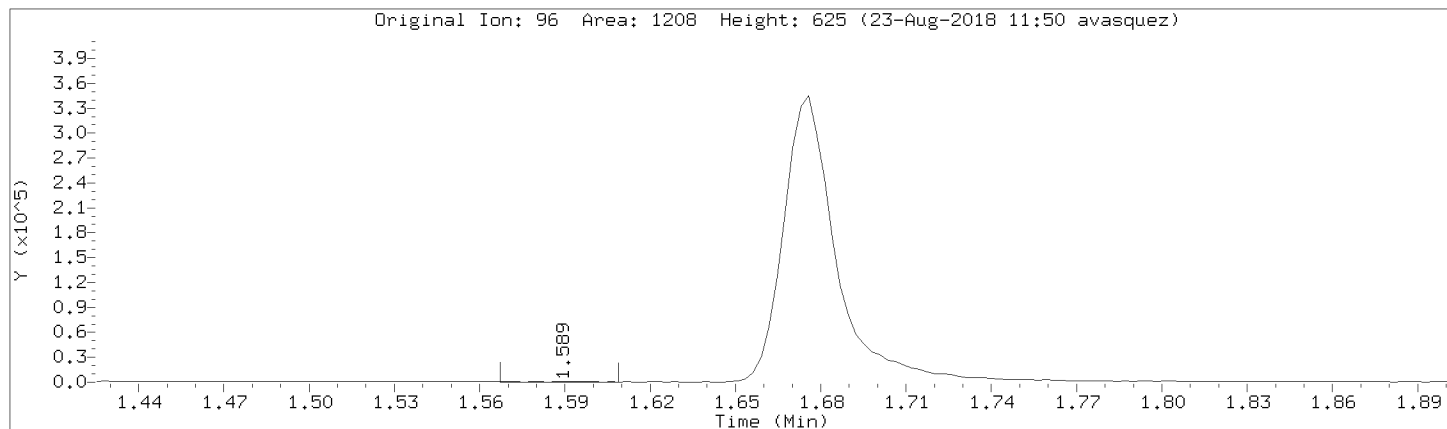


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

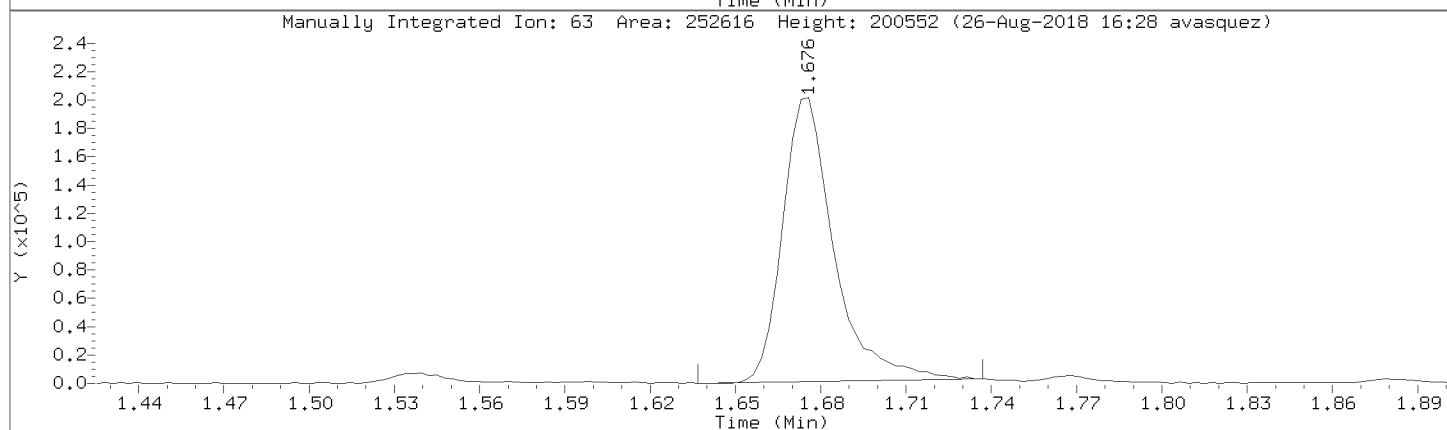
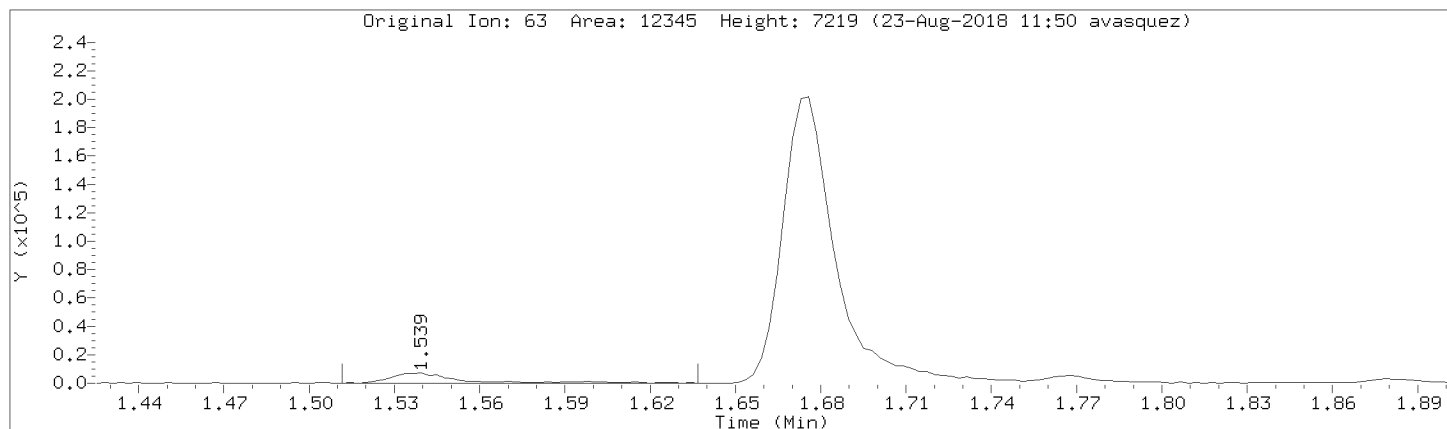


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Injection Date: 22-AUG-2018 18:07
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

Compound: 1,1-Dichloroethene Review Code: NI
CAS Number: 75-35-4



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a09cal.d
Injection Date: 22-AUG-2018 18:07
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8



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Injection Date: 22-AUG-2018 18:07

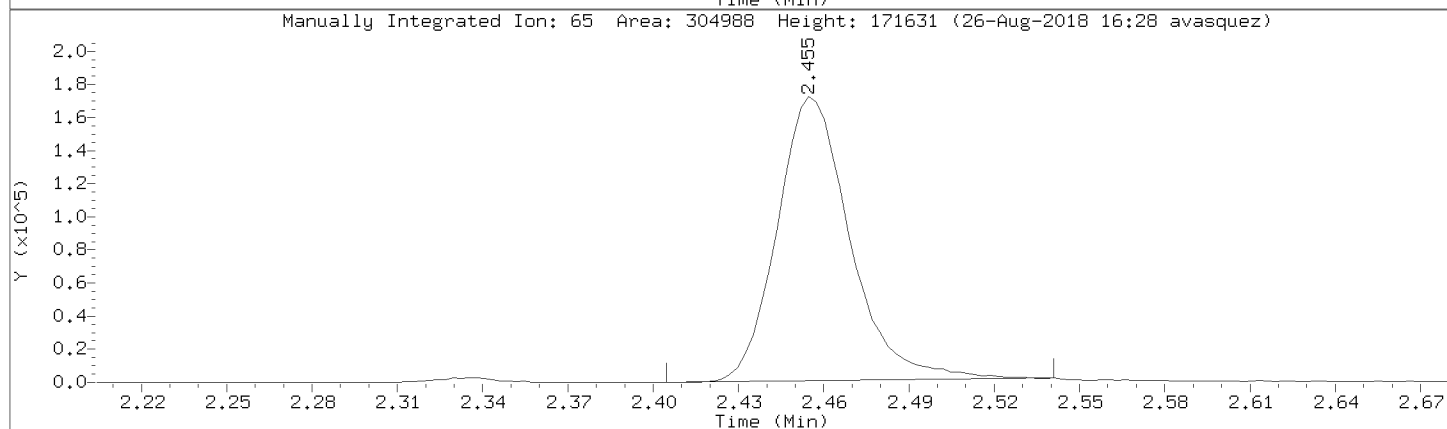
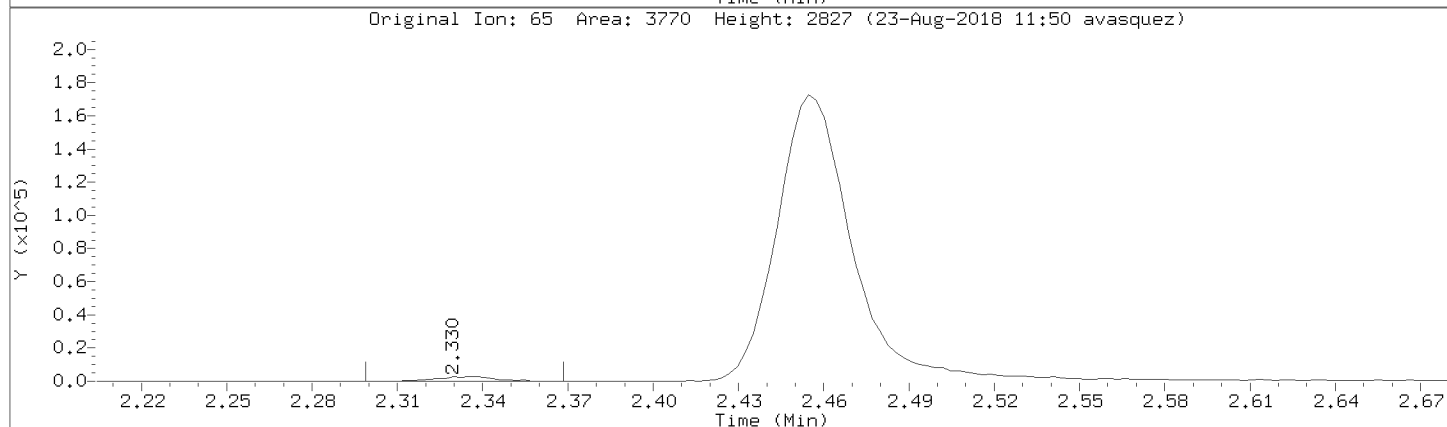
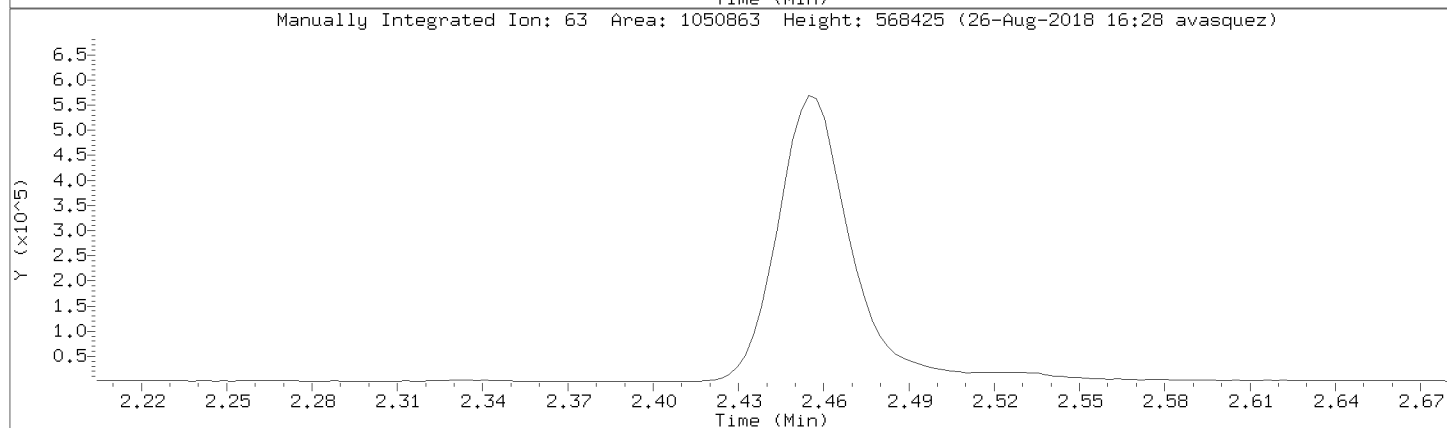
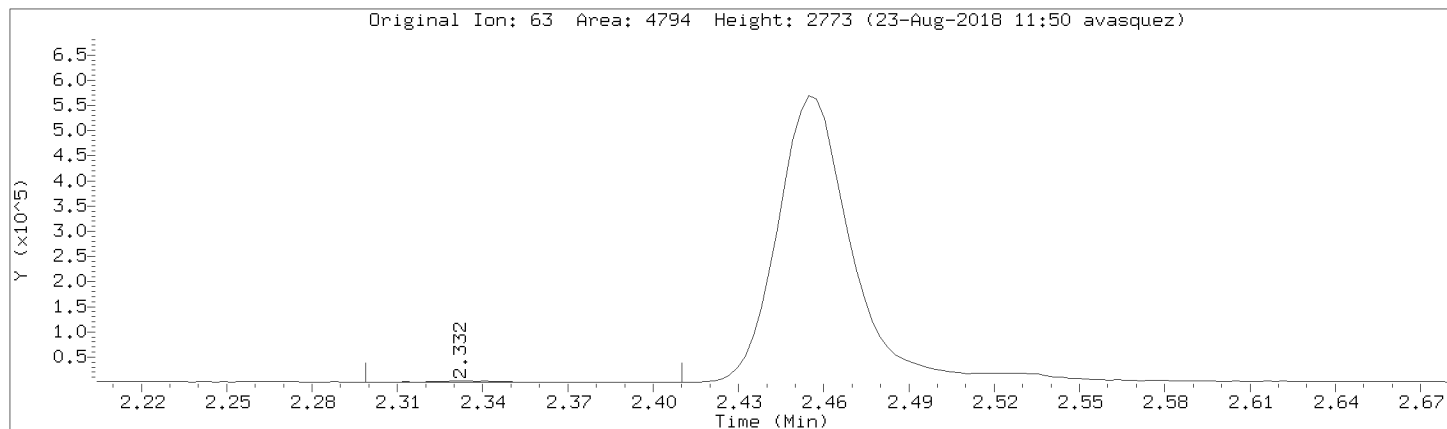
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

Compound: 1,1-Dichloroethane

Review Code: NI

CAS Number: 75-34-3

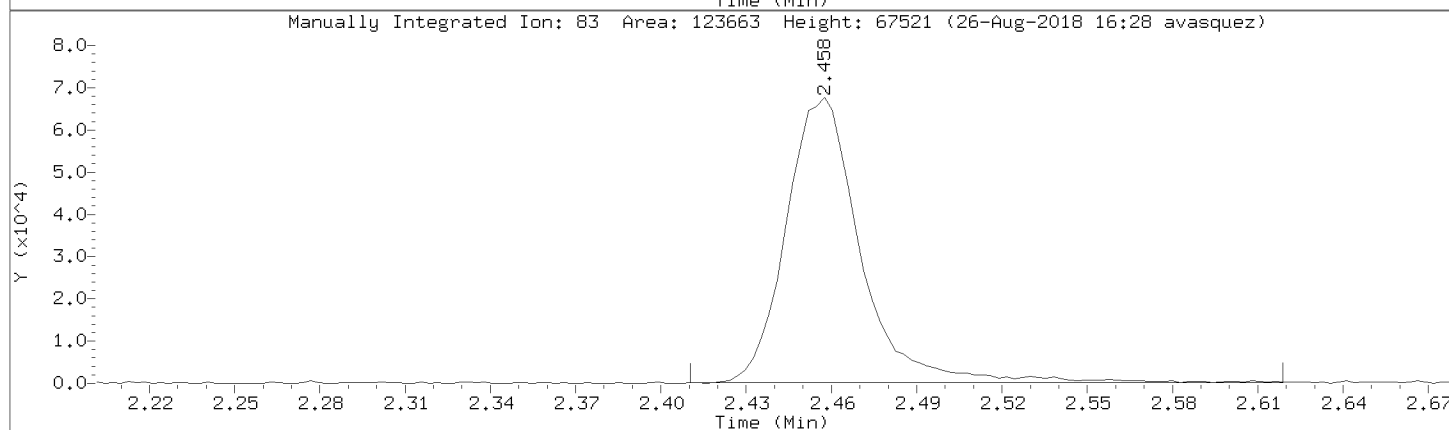
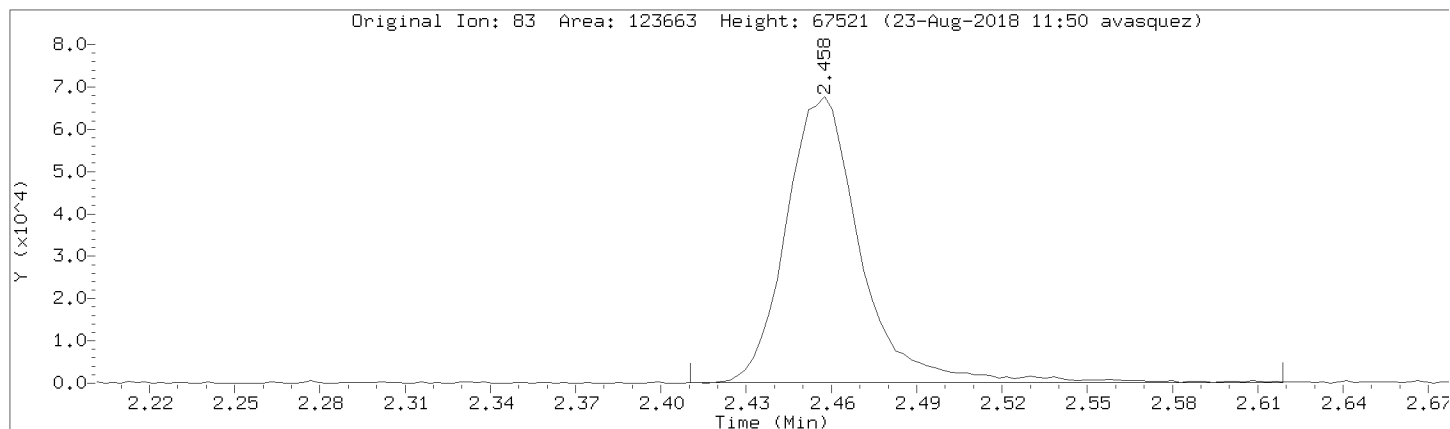


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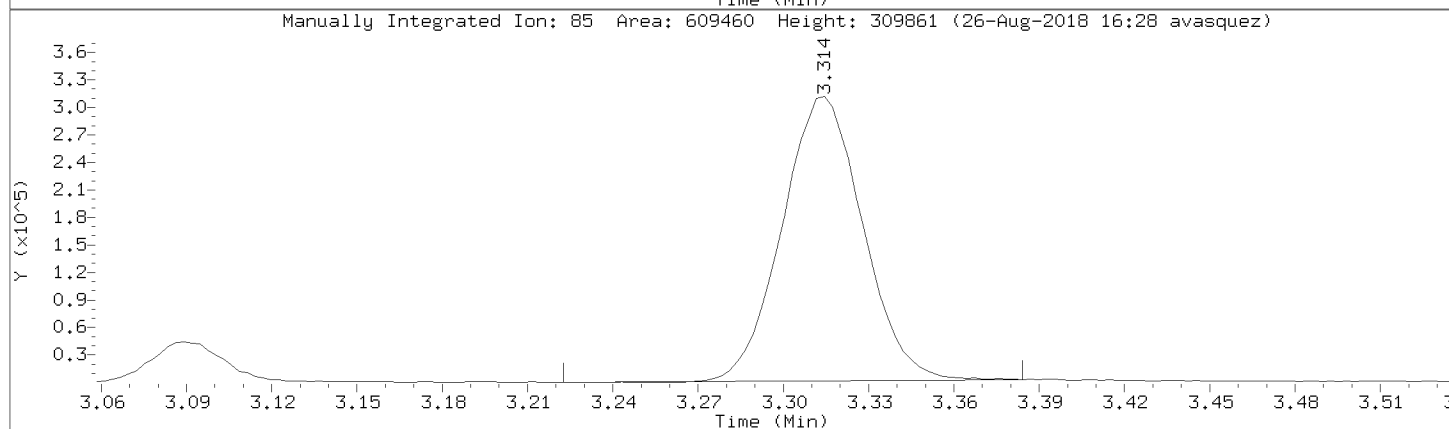
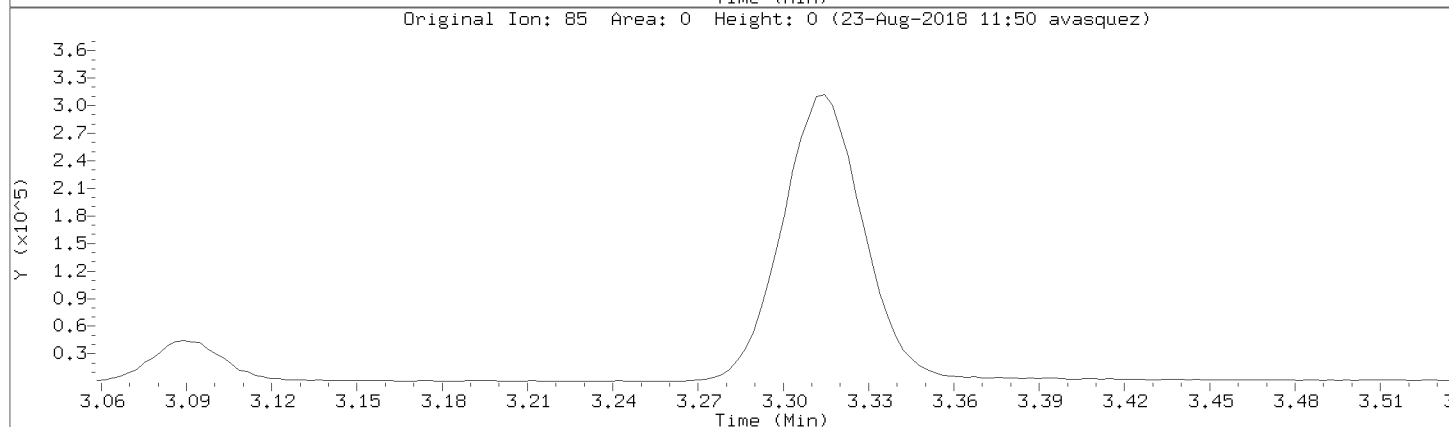
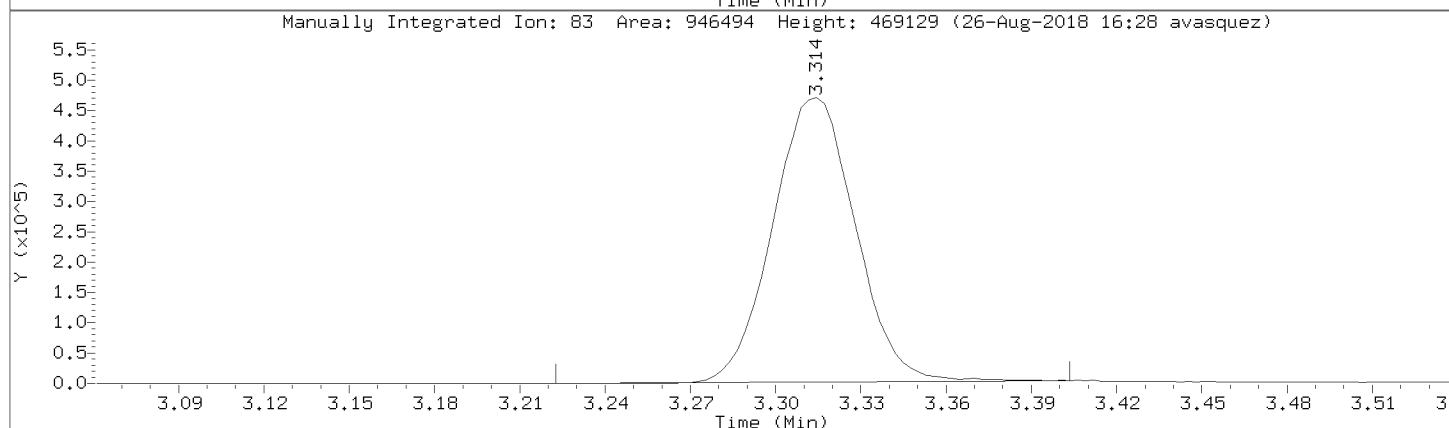
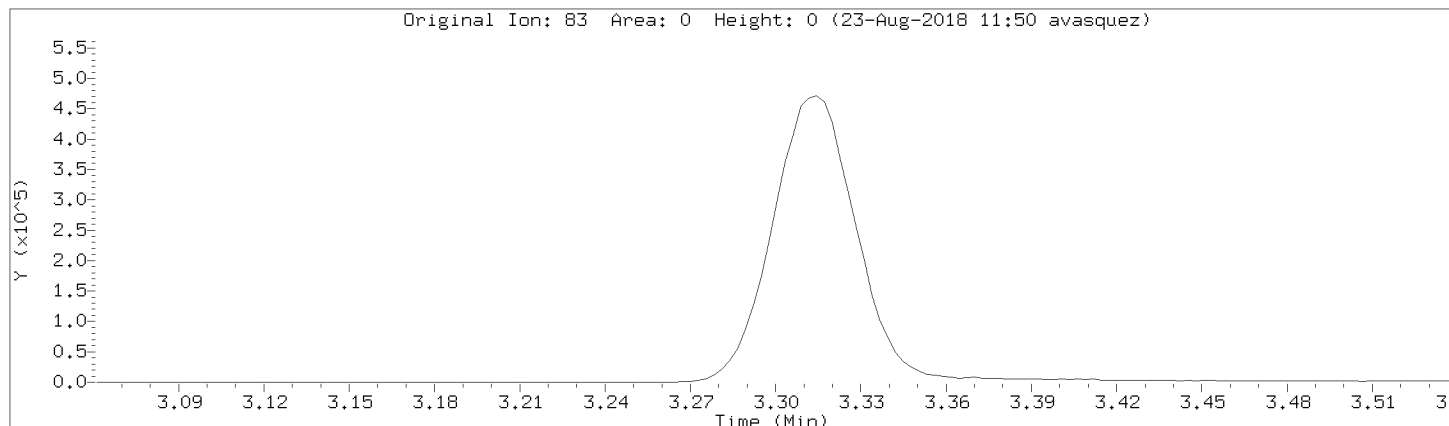
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8



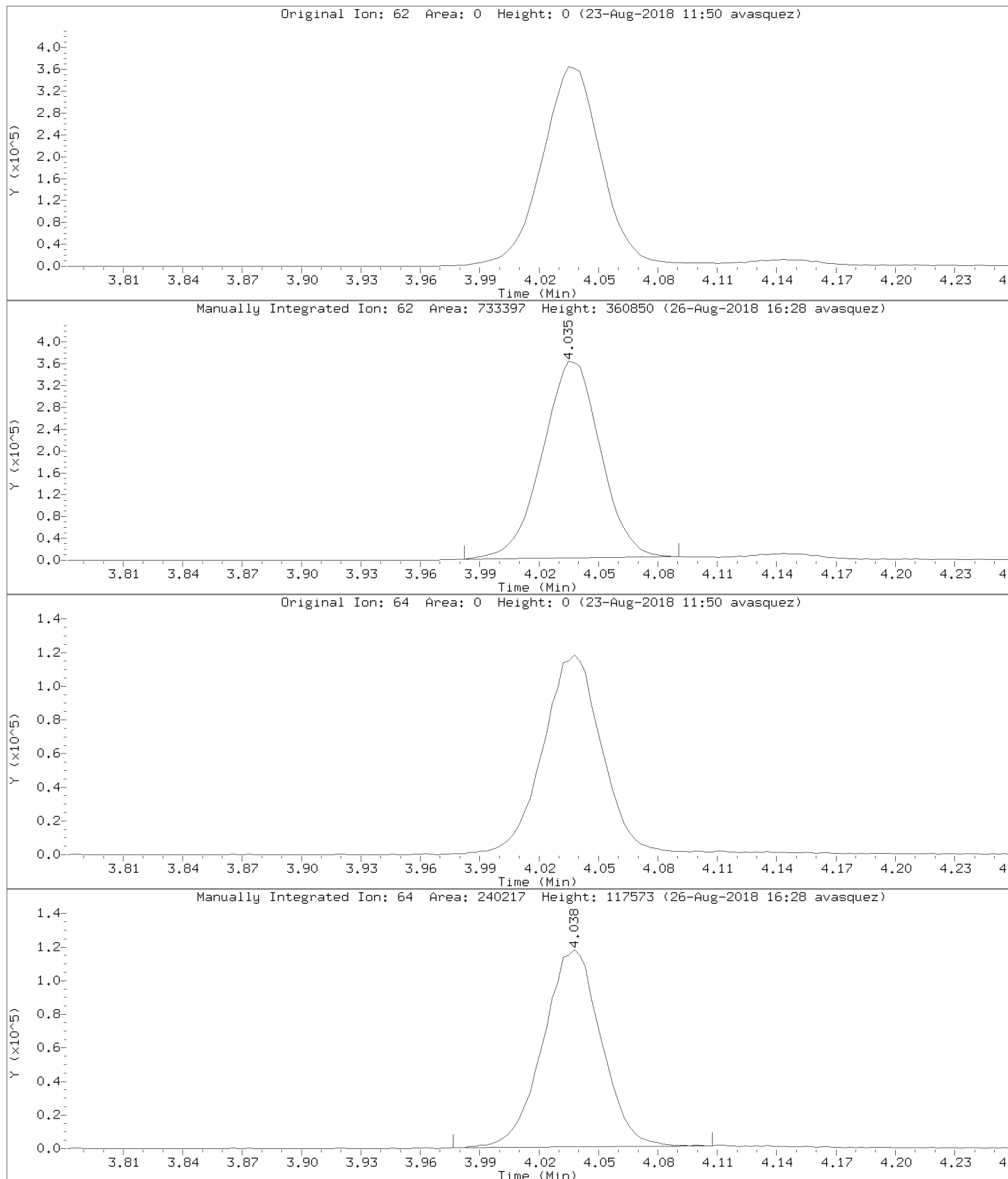
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Lab Sample ID: 8260-CAL8

Compound: Chloroform Review Code: NI
CAS Number: 67-66-3

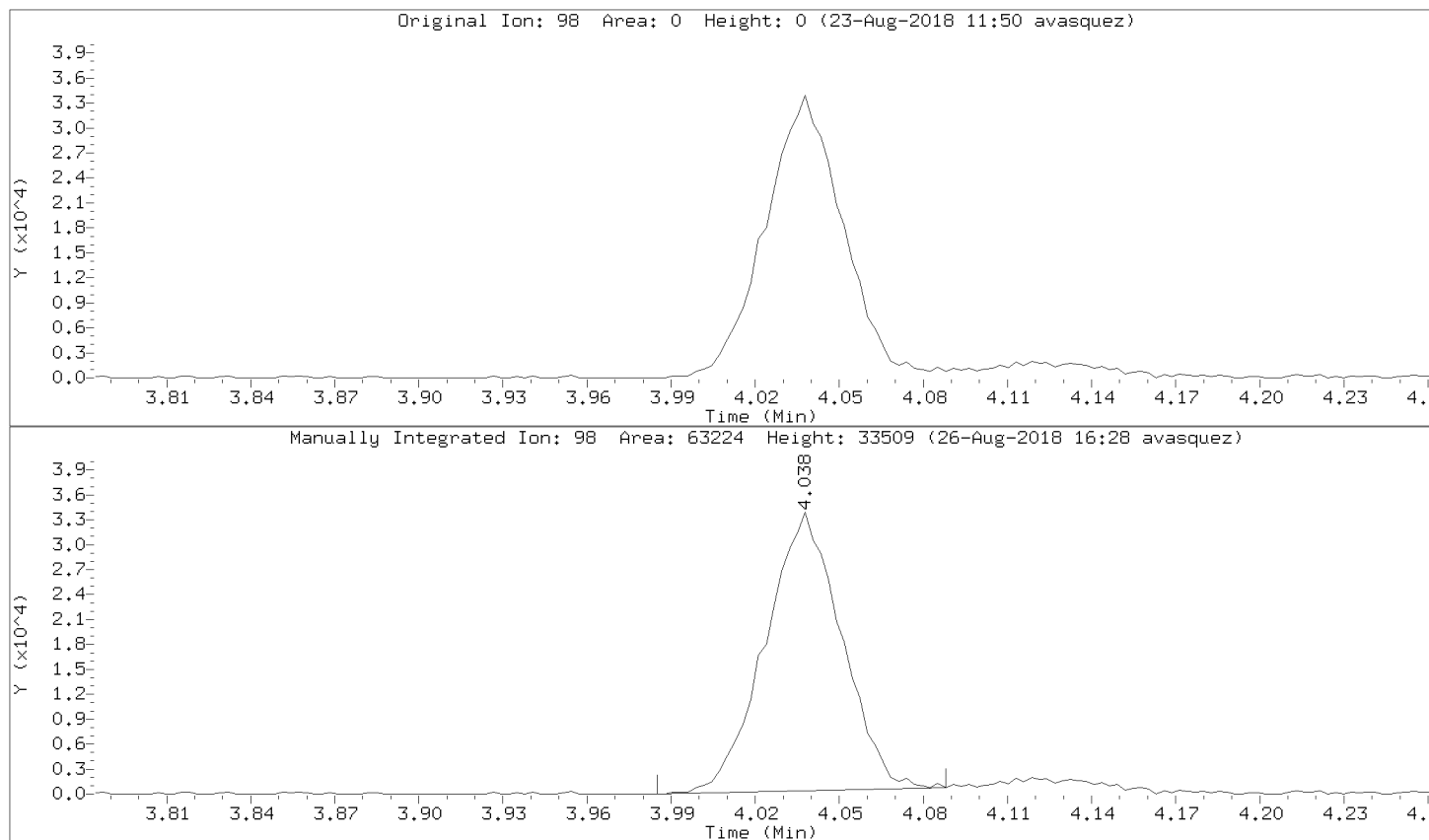


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Lab Sample ID: 8260-CAL8

Compound: 1,2-Dichloroethane Review Code: NI
CAS Number: 107-06-2



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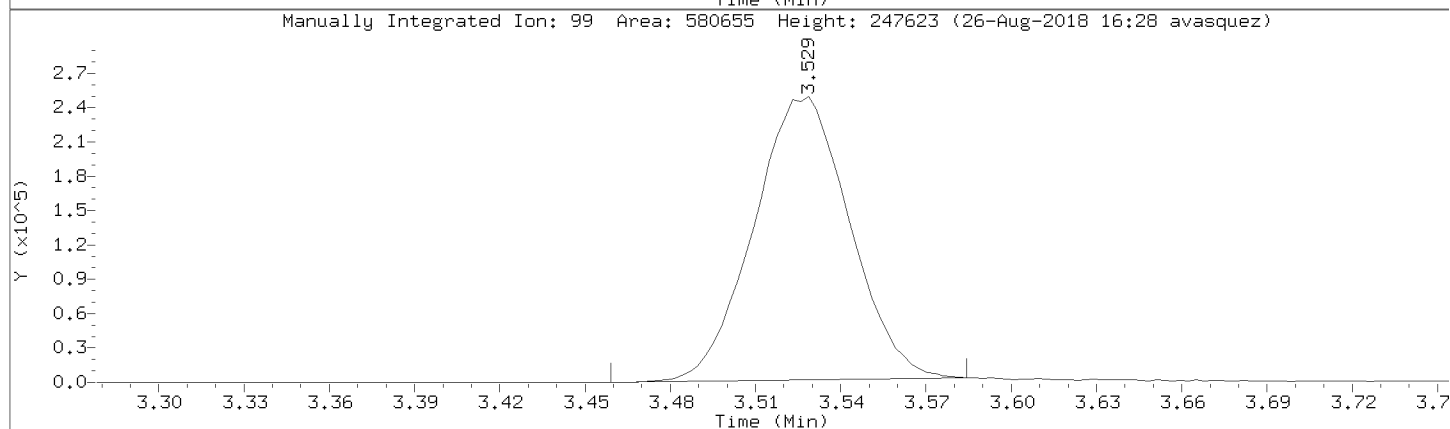
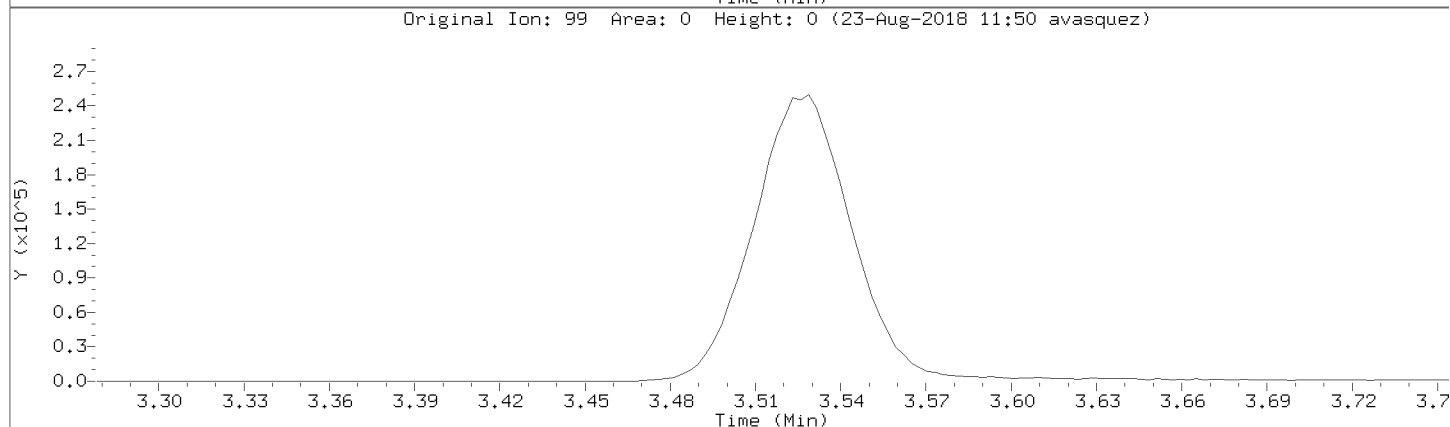
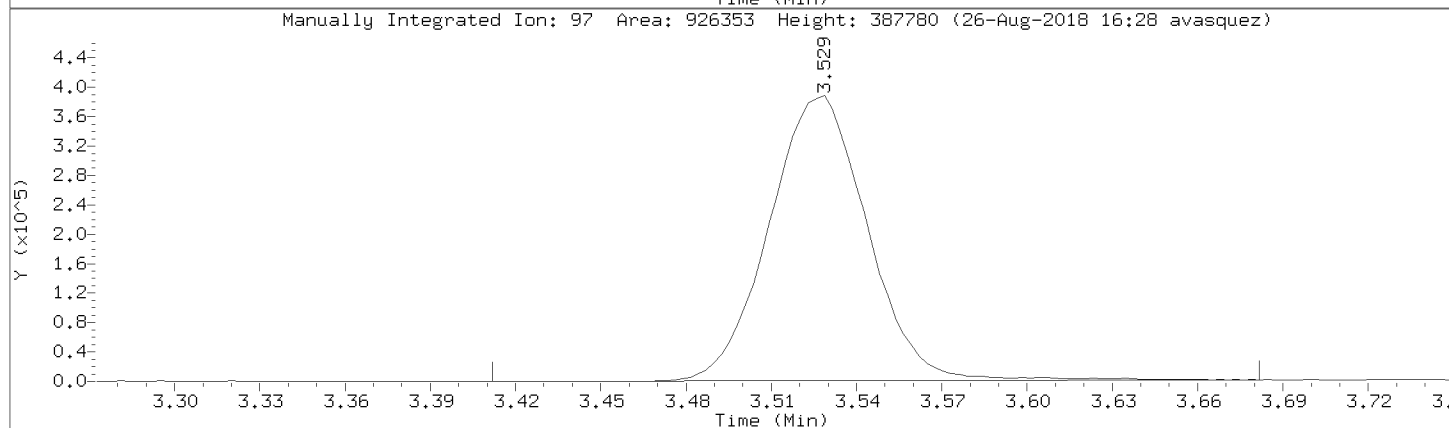
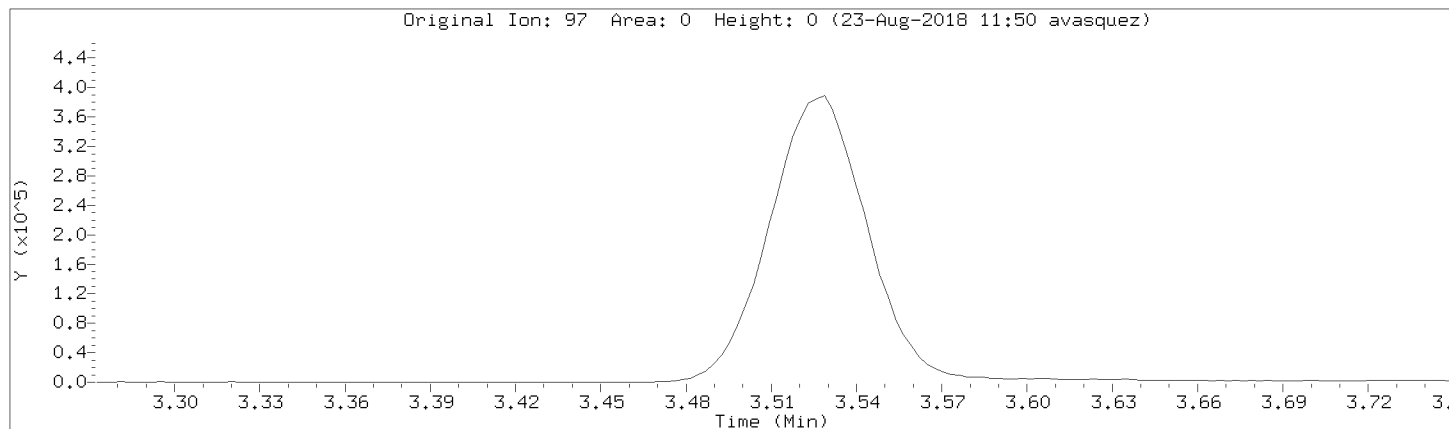
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Lab Sample ID: 8260-CAL8

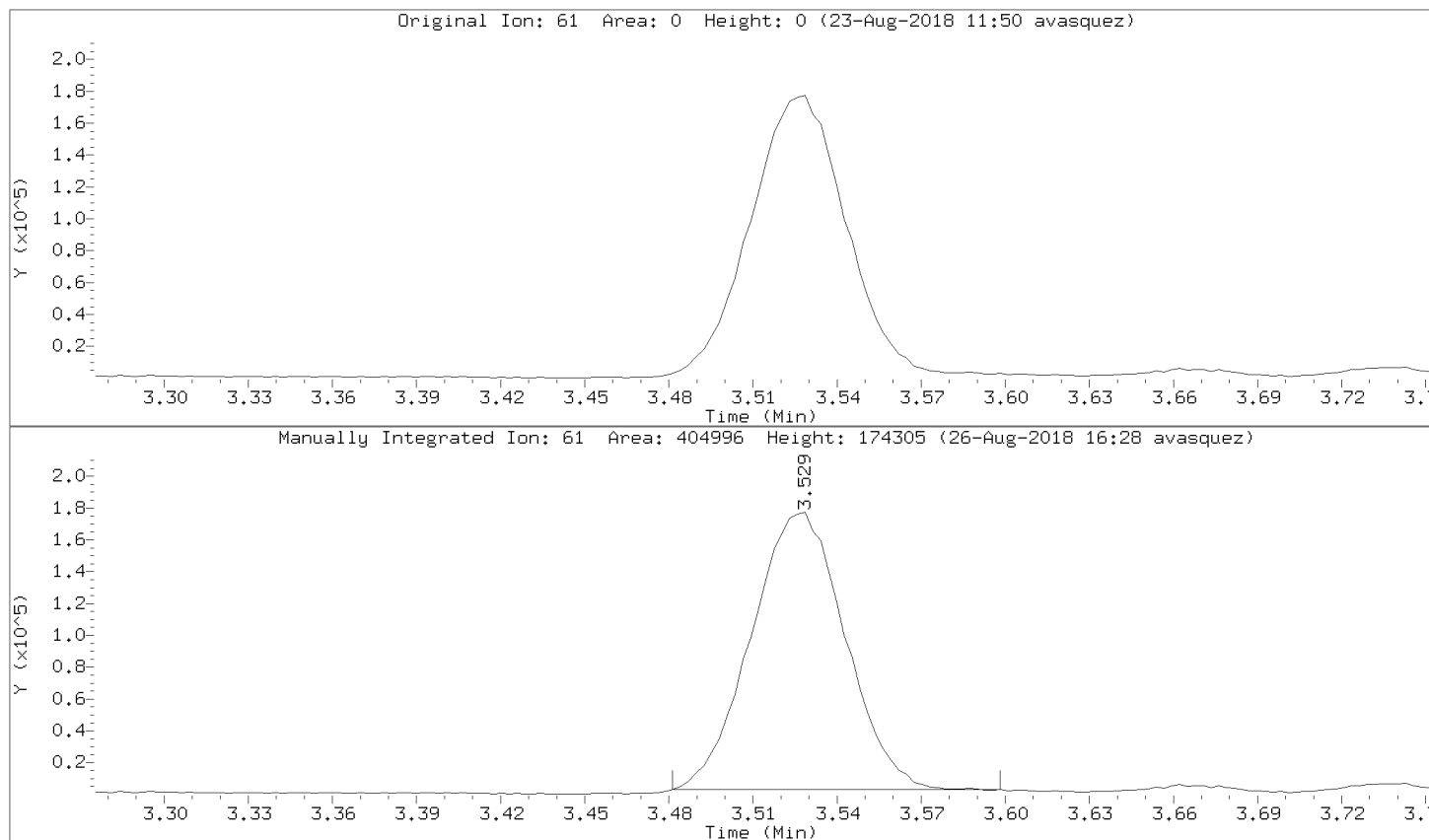
Compound: 1,1,1-Trichloroethane

Review Code: NI

CAS Number: 71-55-6



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Lab Sample ID: 8260-CAL8



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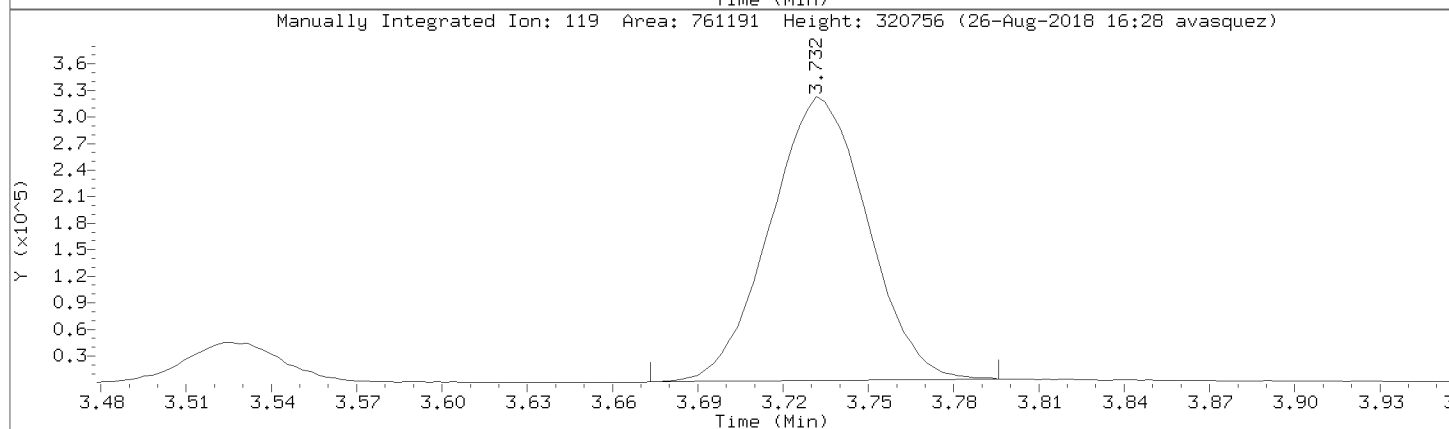
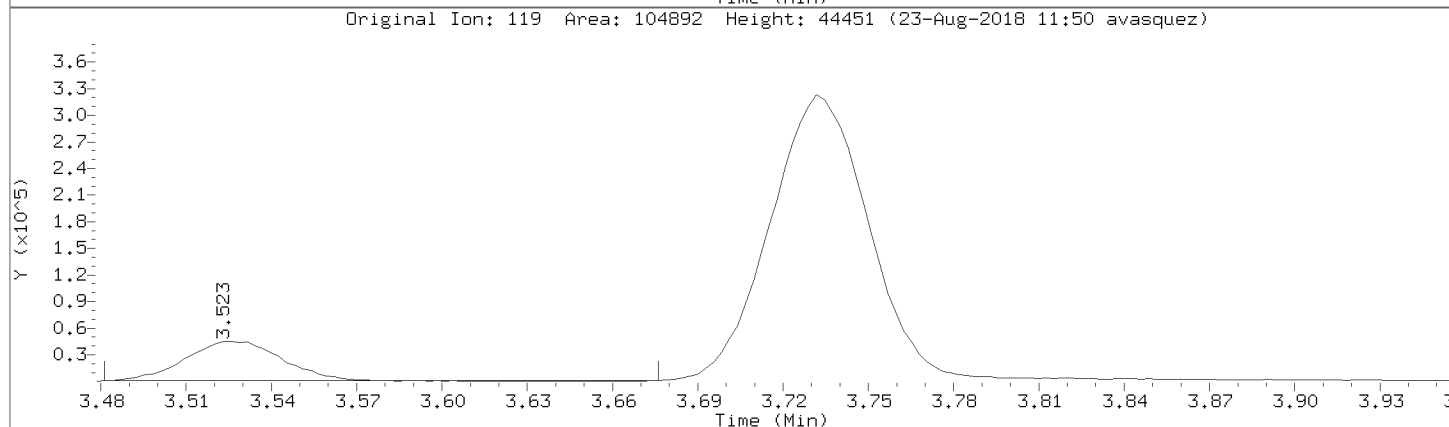
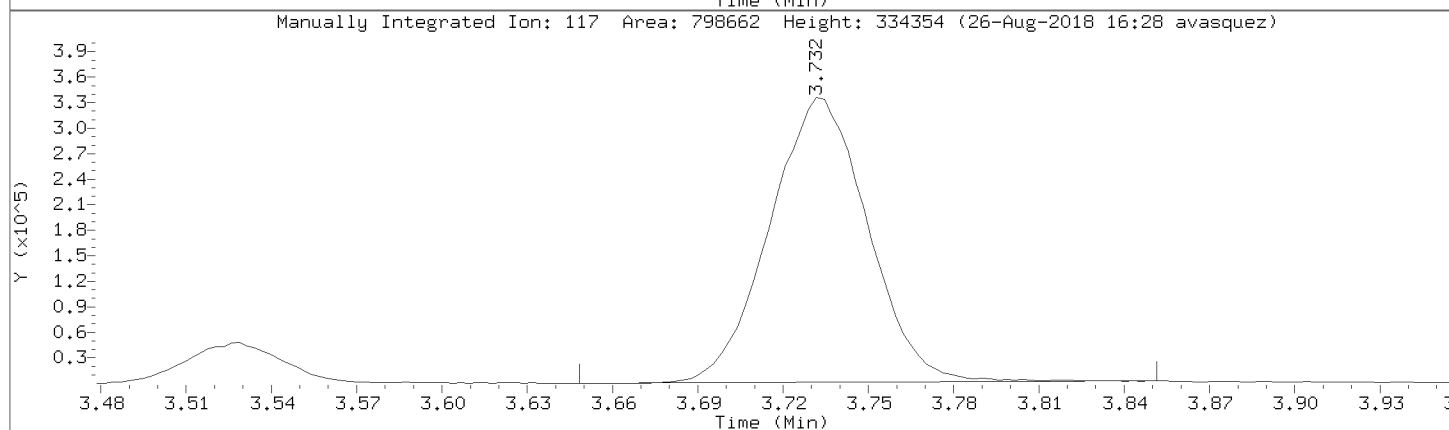
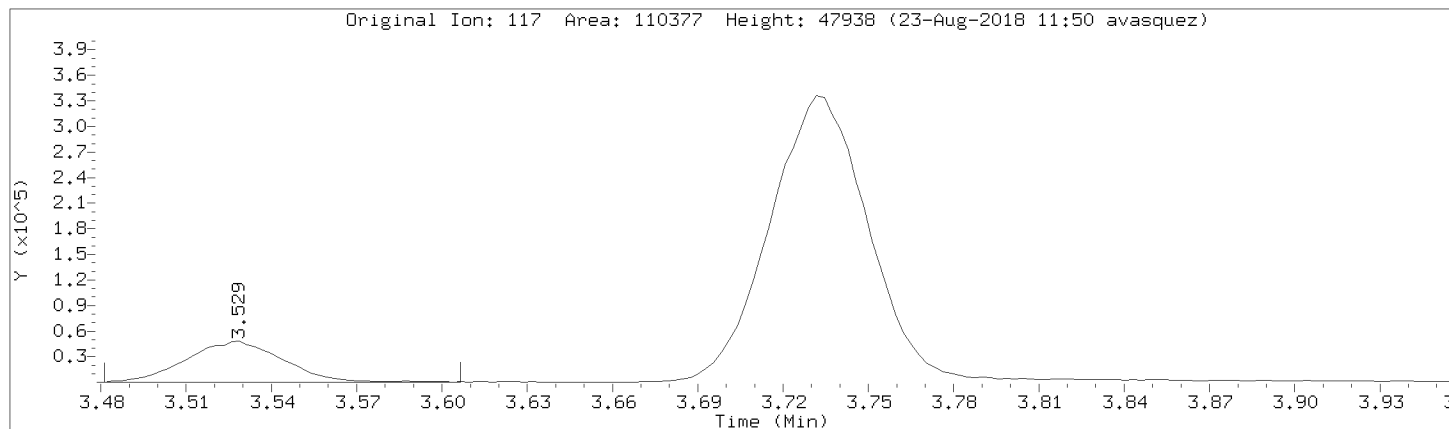
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Lab Sample ID: 8260-CAL8

Compound: Carbon Tetrachloride

Review Code: NI

CAS Number: 56-23-5

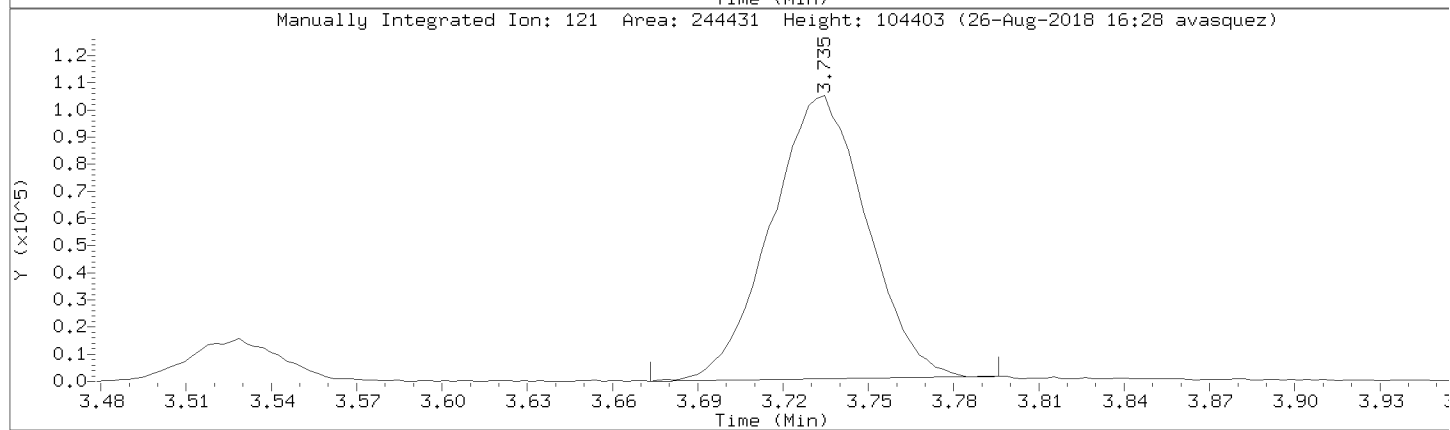
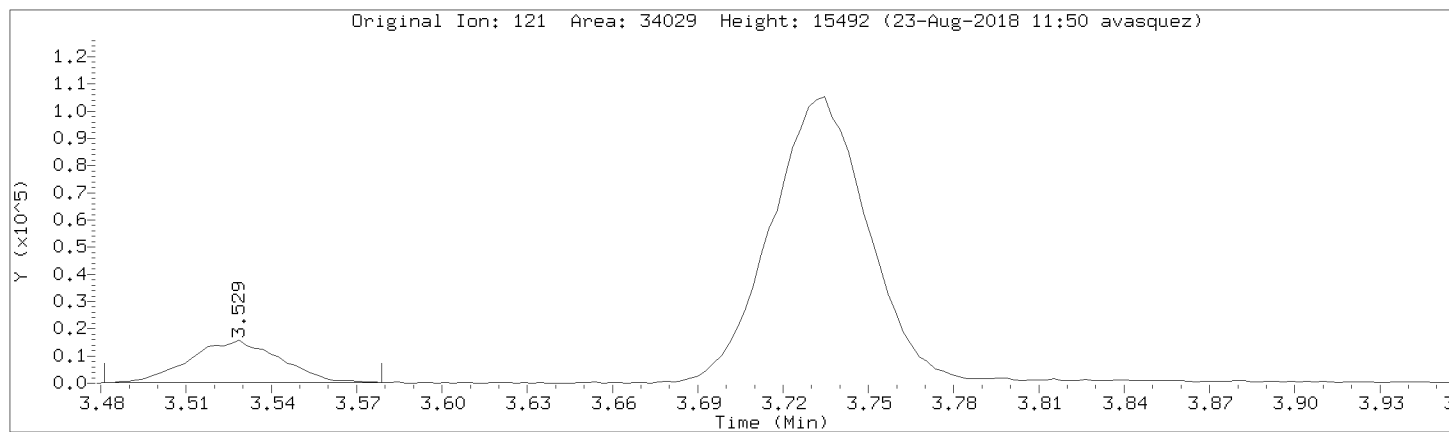


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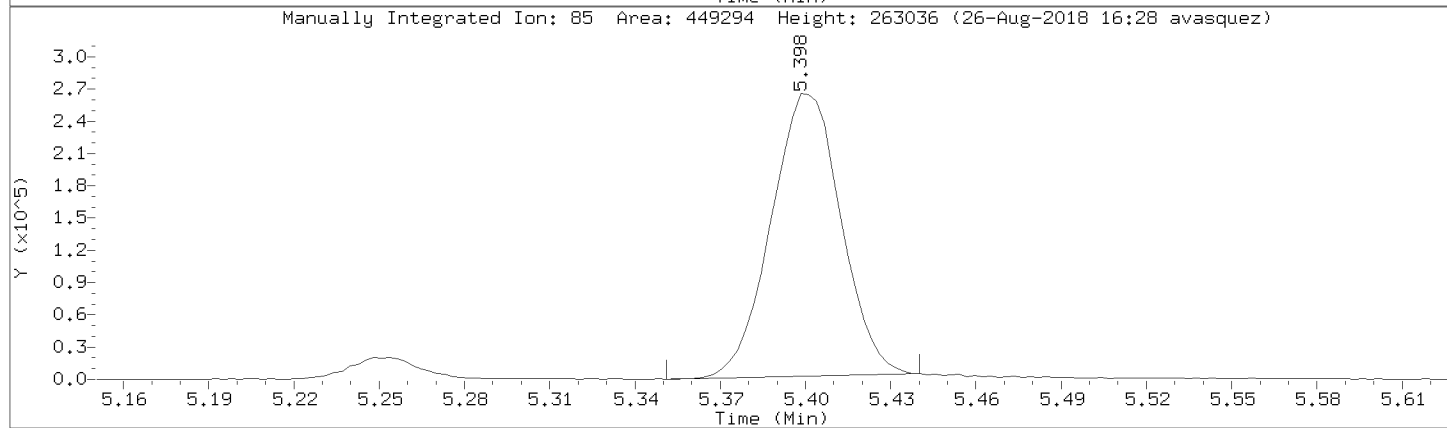
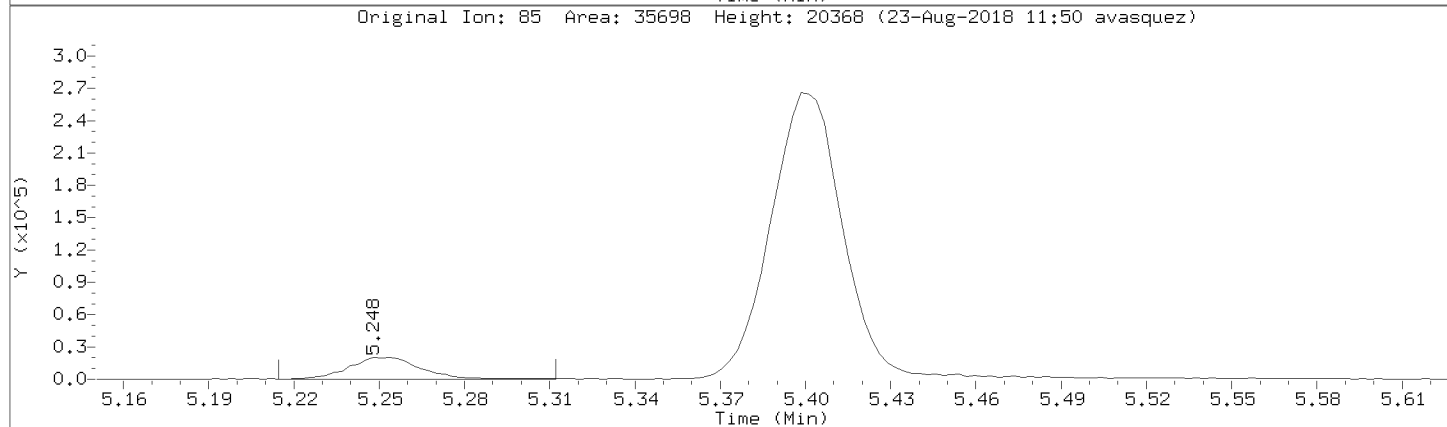
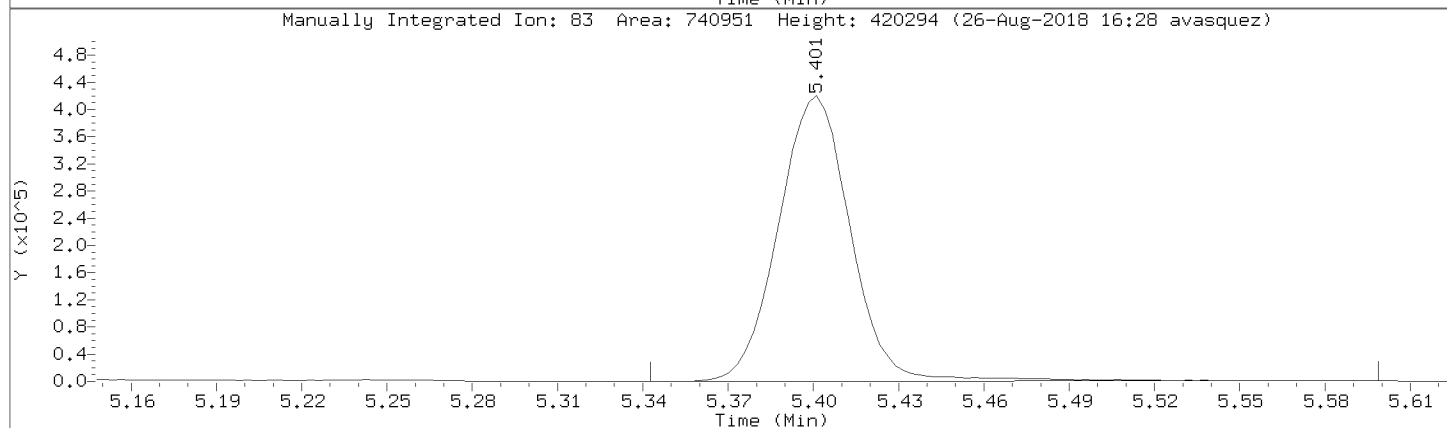
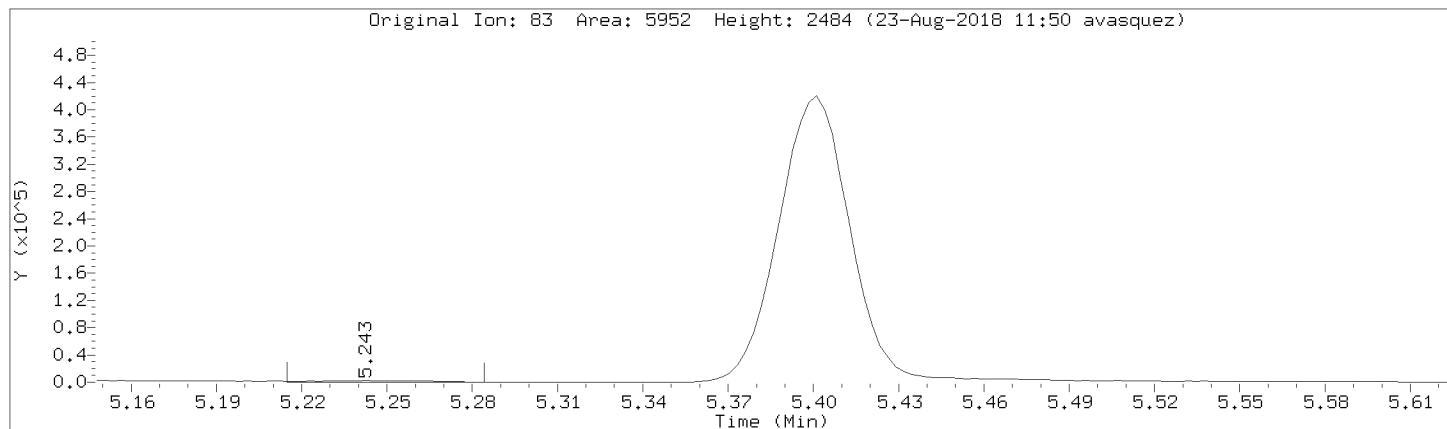
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Lab Sample ID: 8260-CAL8



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Lab Sample ID: 8260-CAL8

Compound: Bromodichloromethane Review Code: NI
CAS Number: 75-27-4

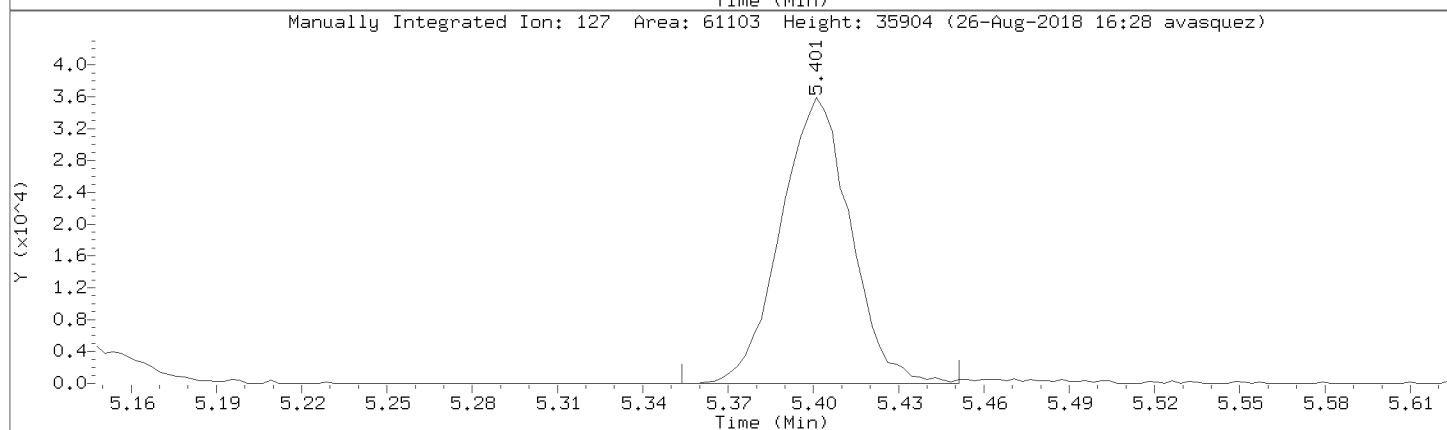
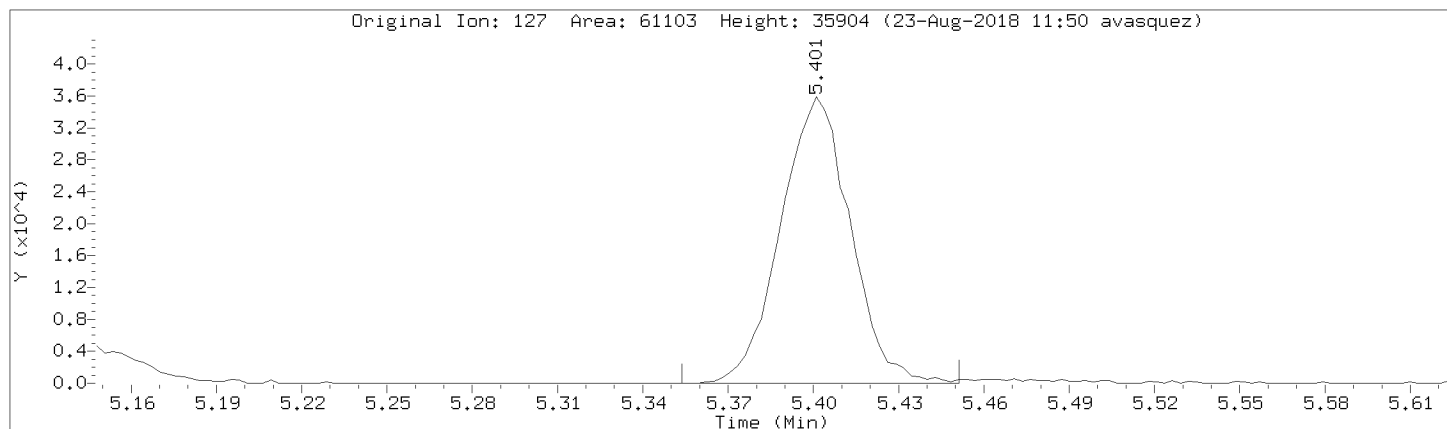


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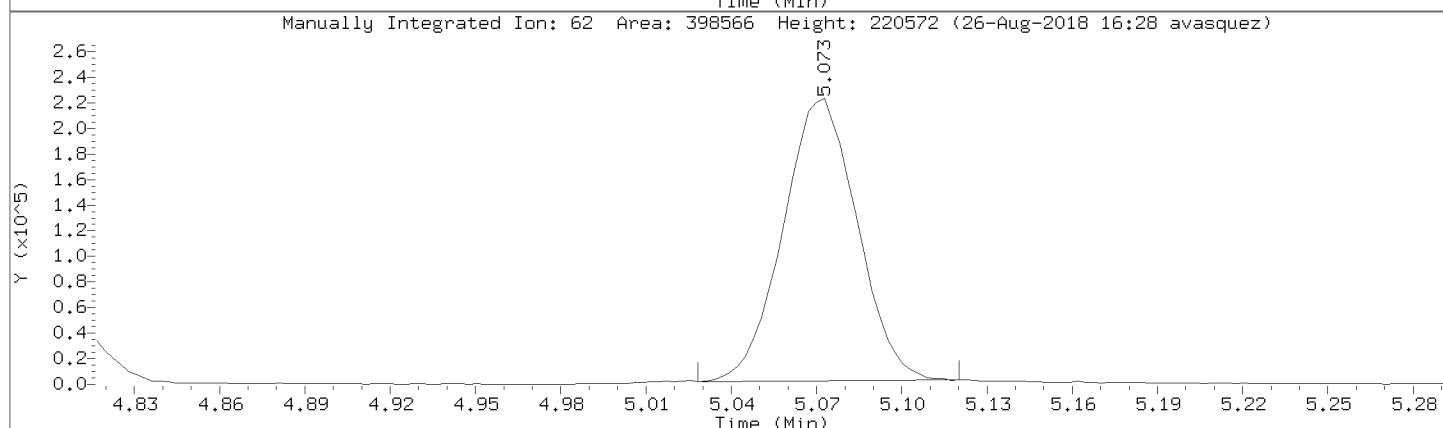
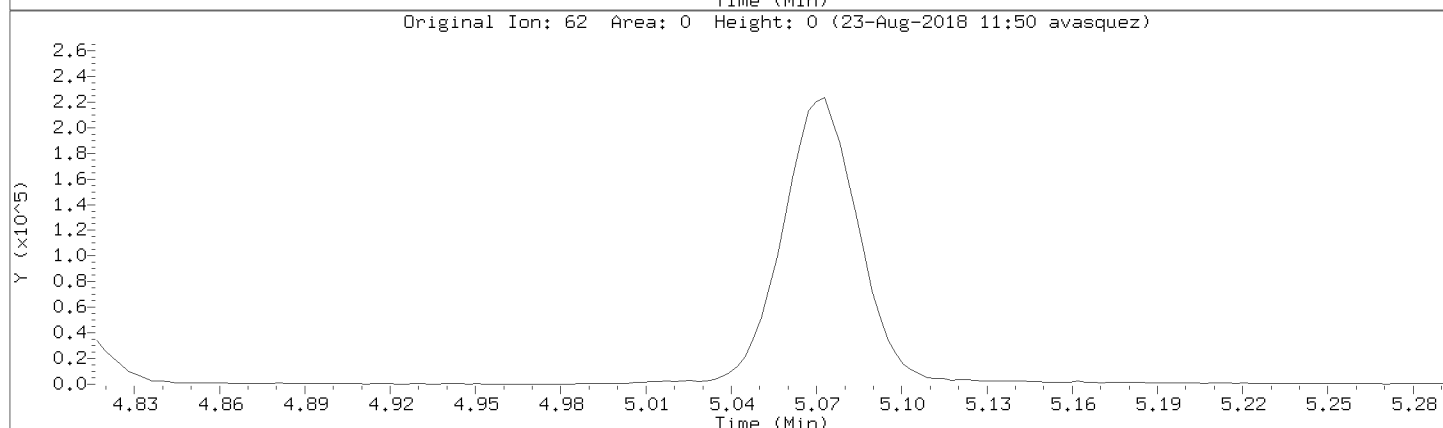
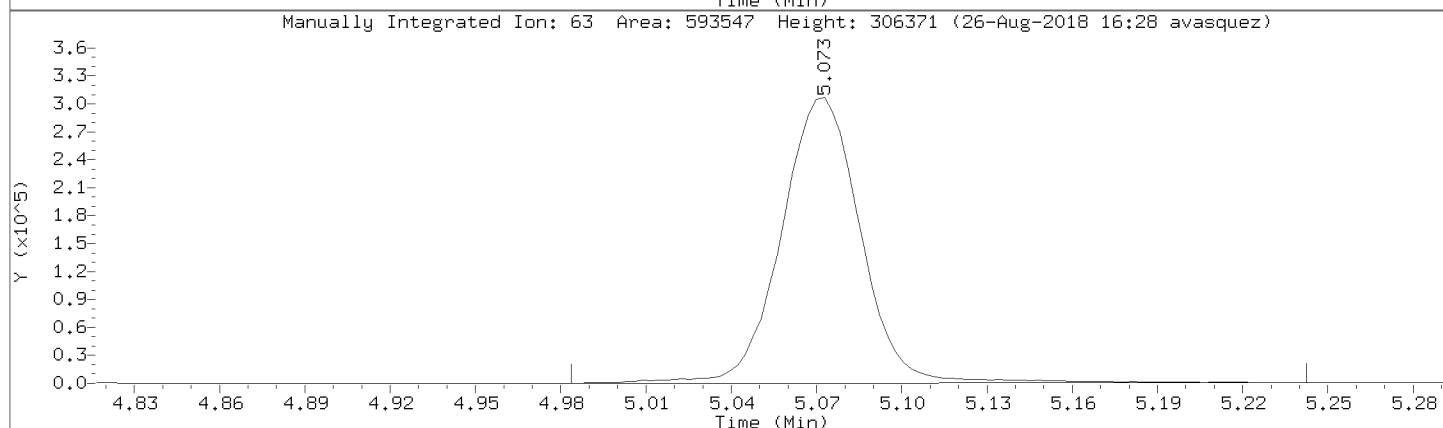
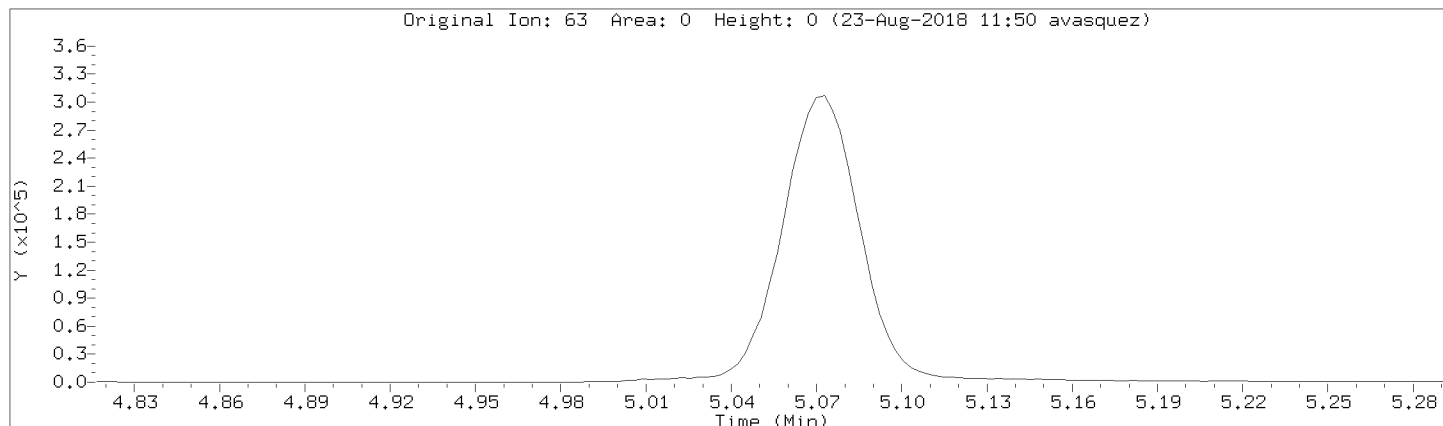
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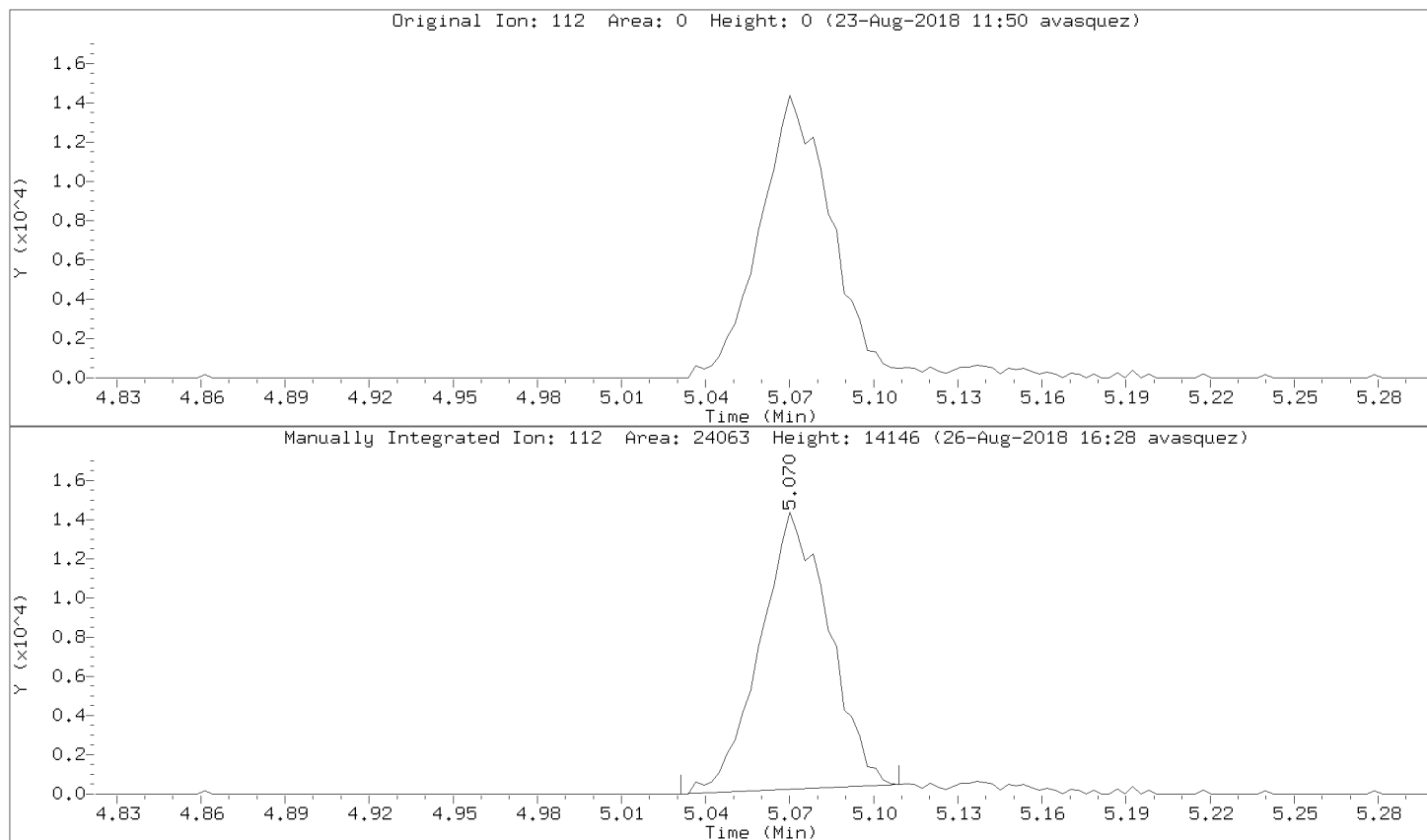


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Lab Sample ID: 8260-CAL8

Compound: 1,2-Dichloropropane Review Code: NI
CAS Number: 78-87-5



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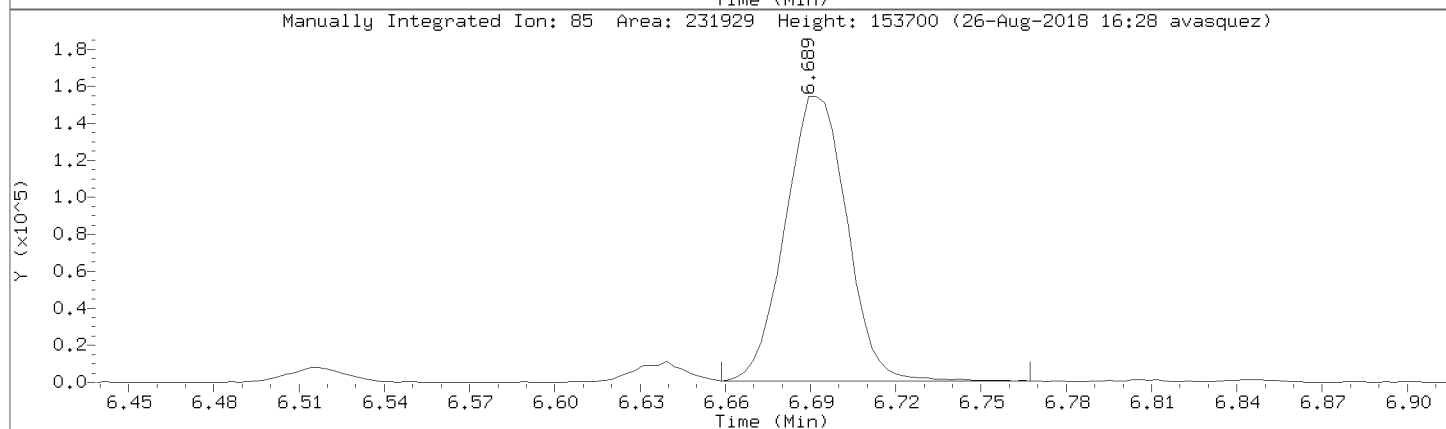
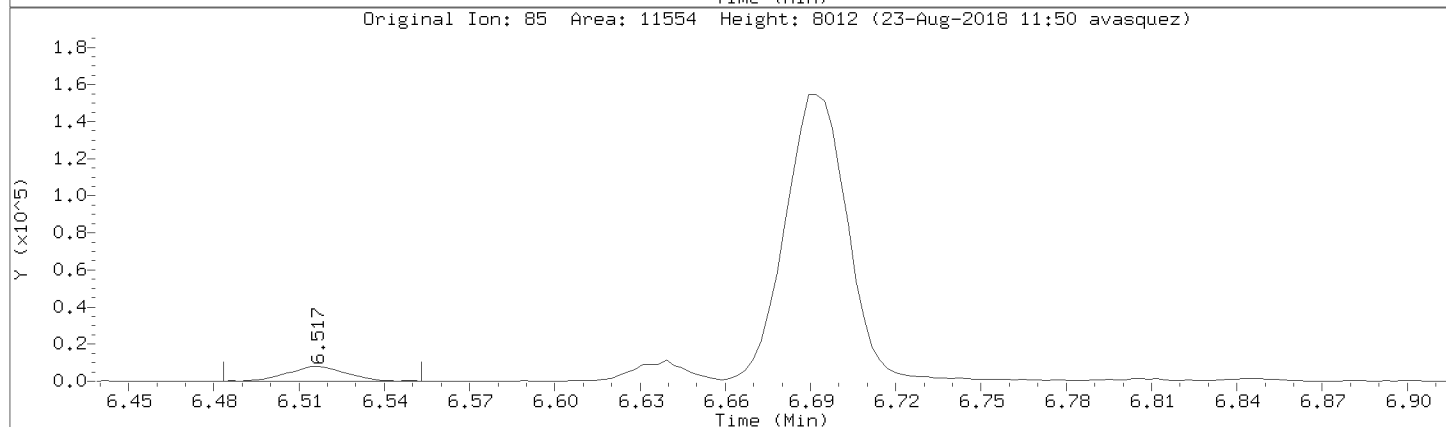
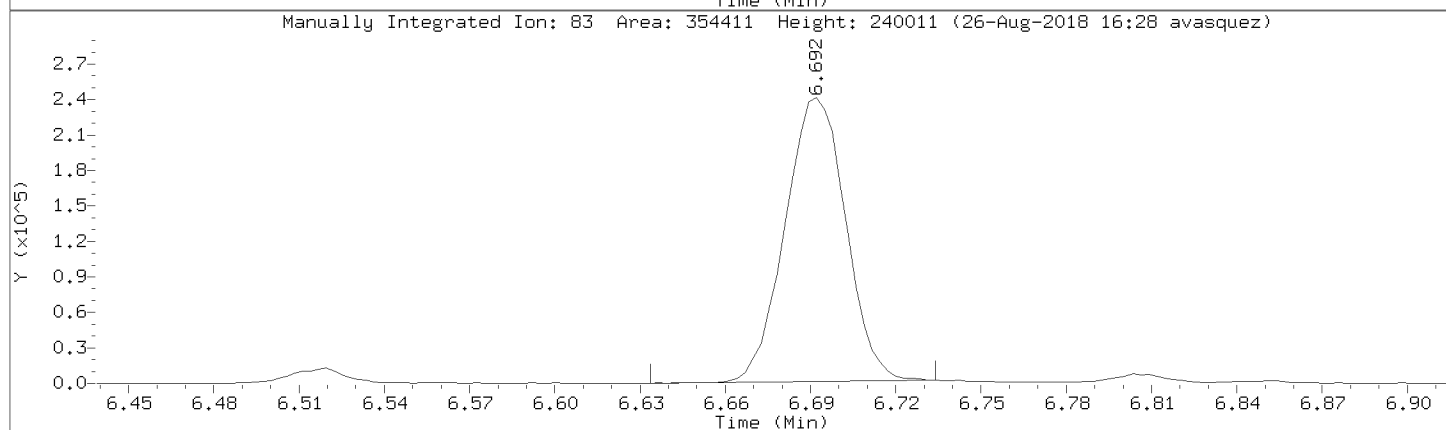
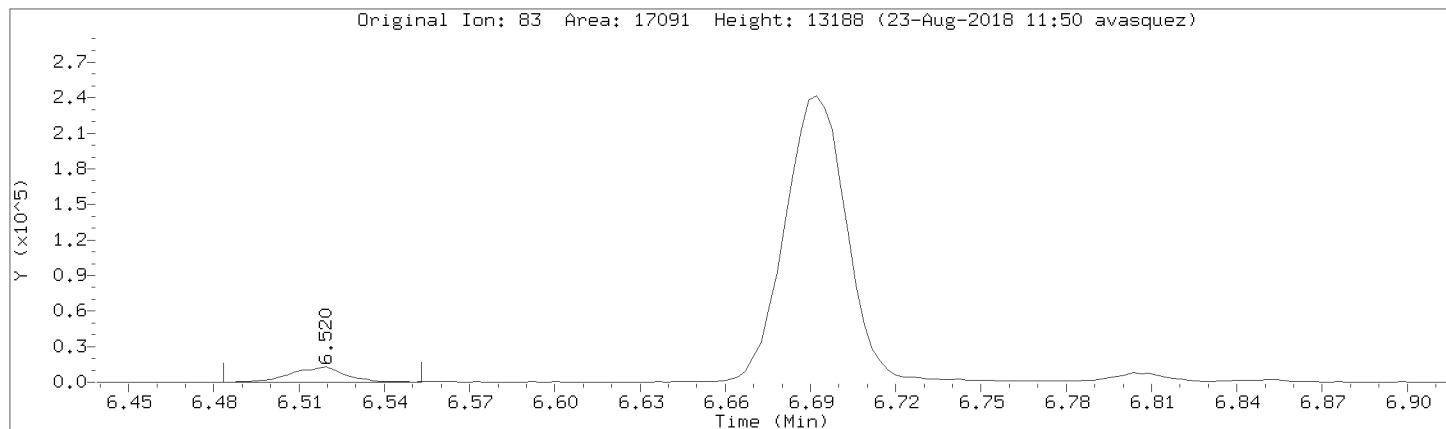
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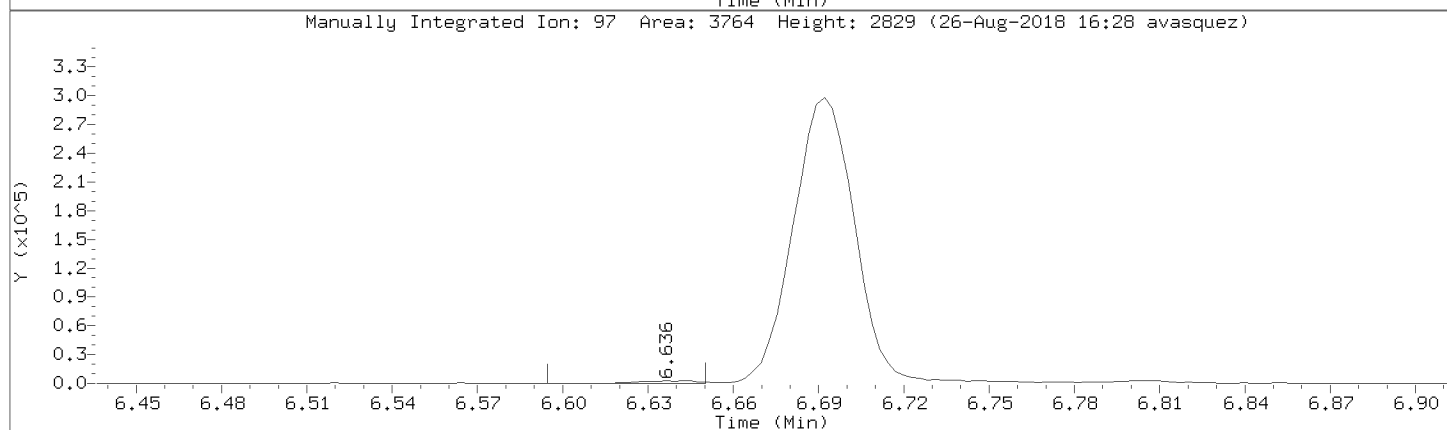
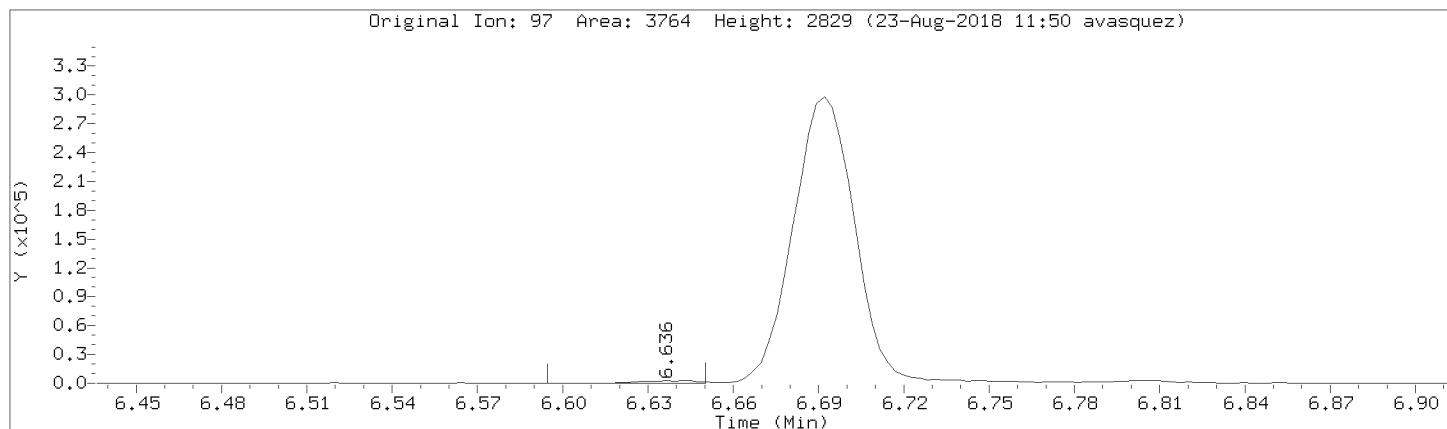
Compound: 1,1,2-Trichloroethane

Review Code: NI

CAS Number: 79-00-5

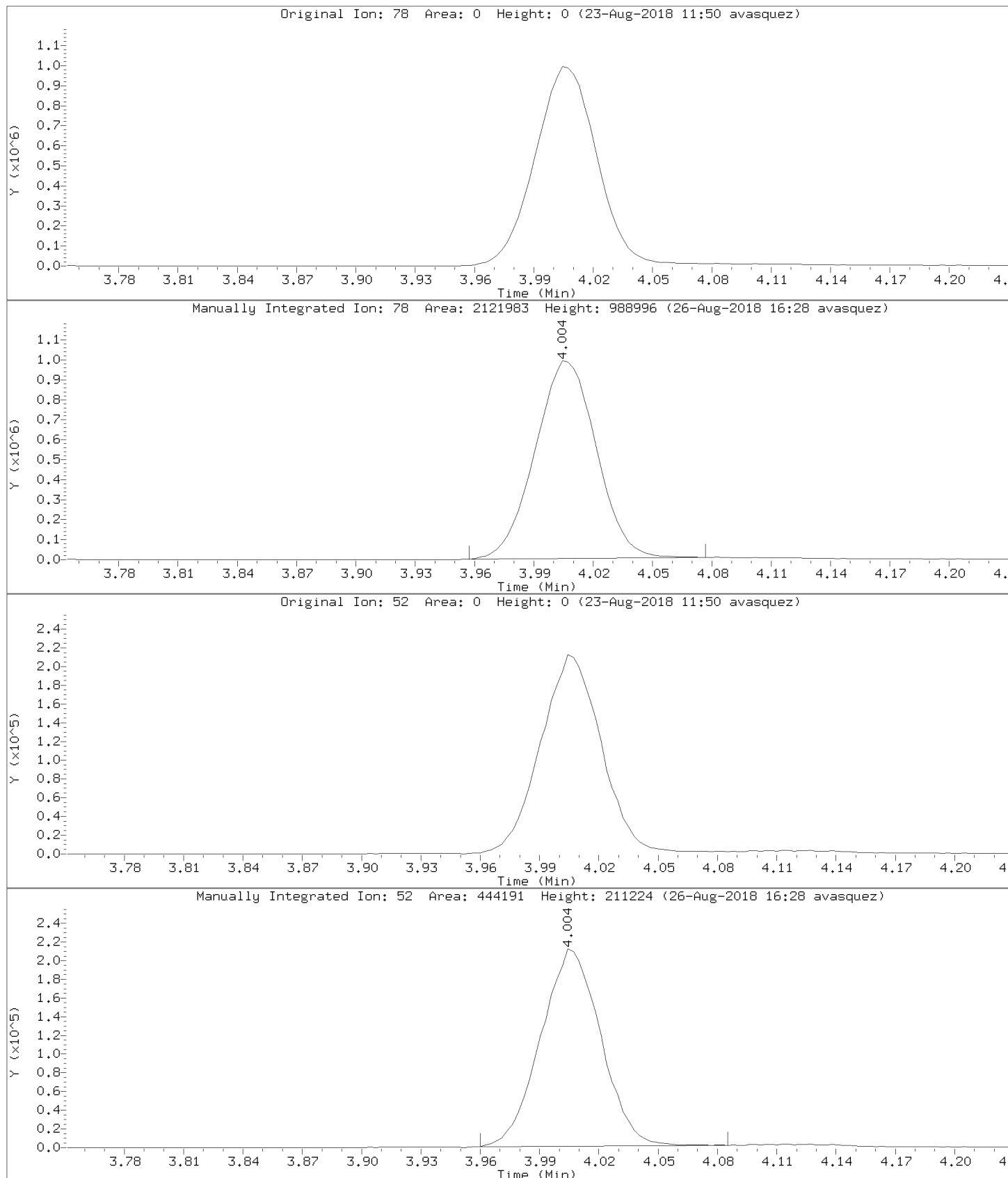


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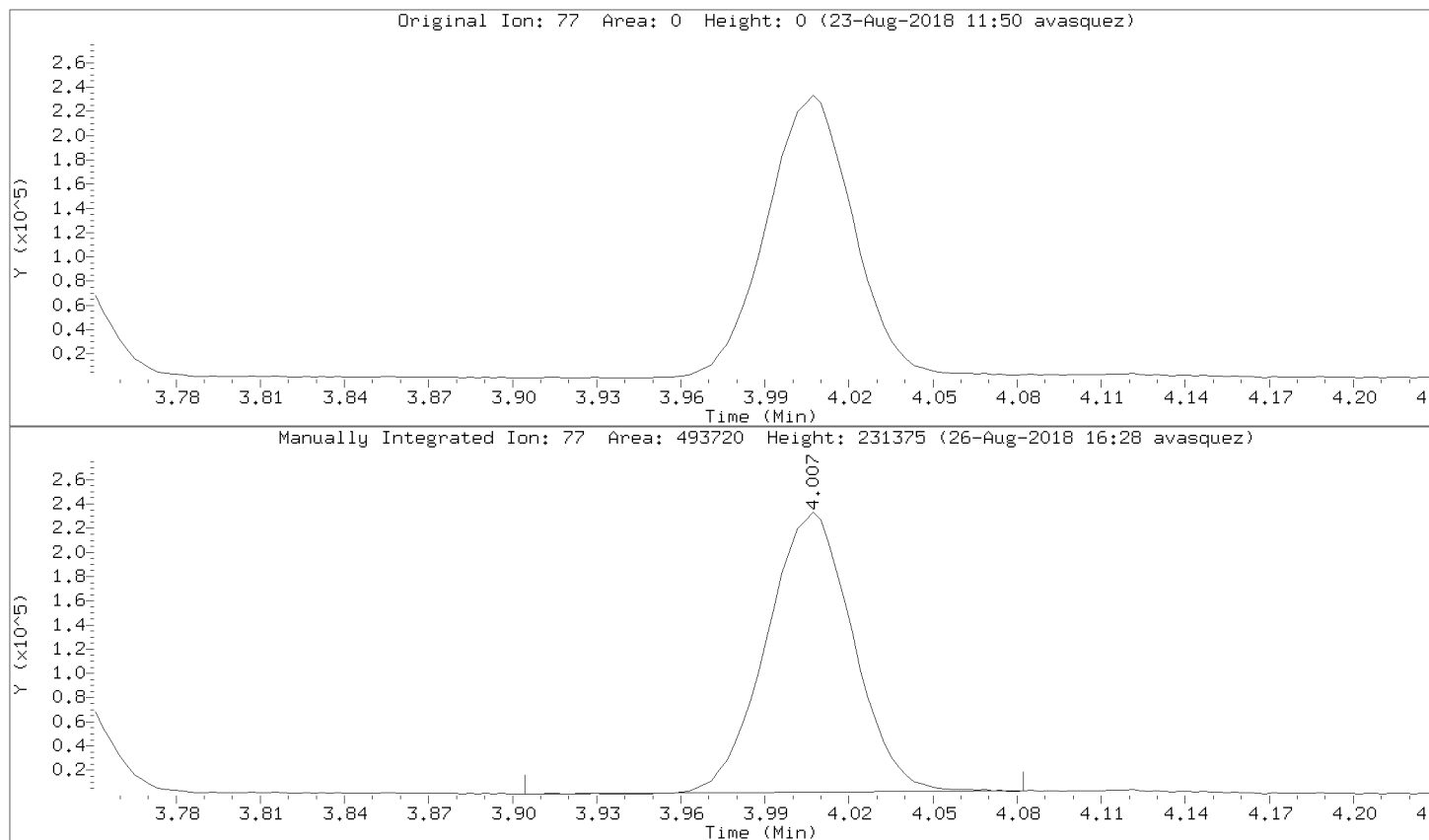


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Compound: Benzene Review Code: NI
CAS Number: 71-43-2

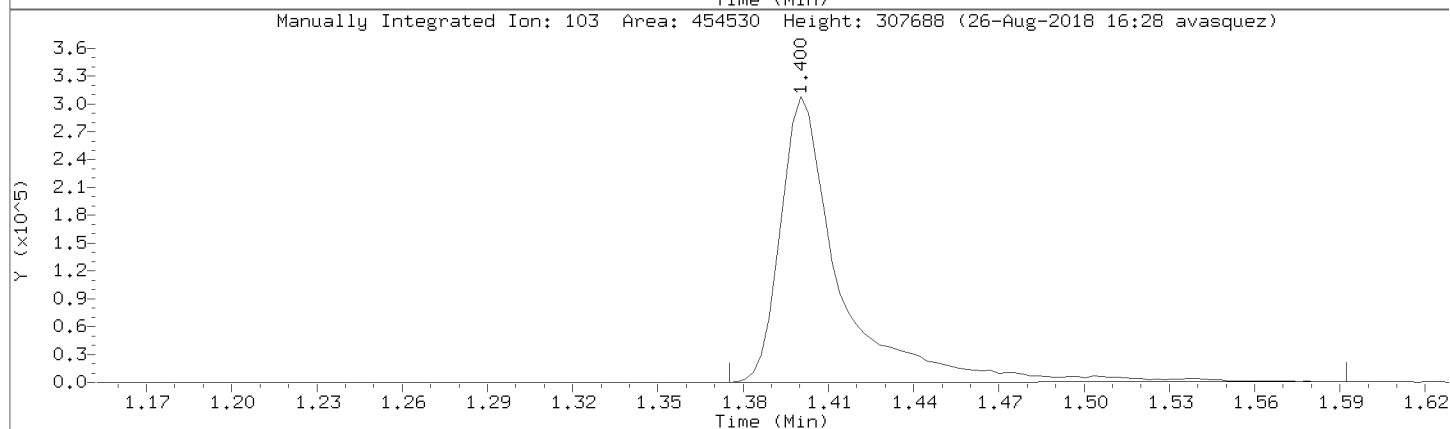
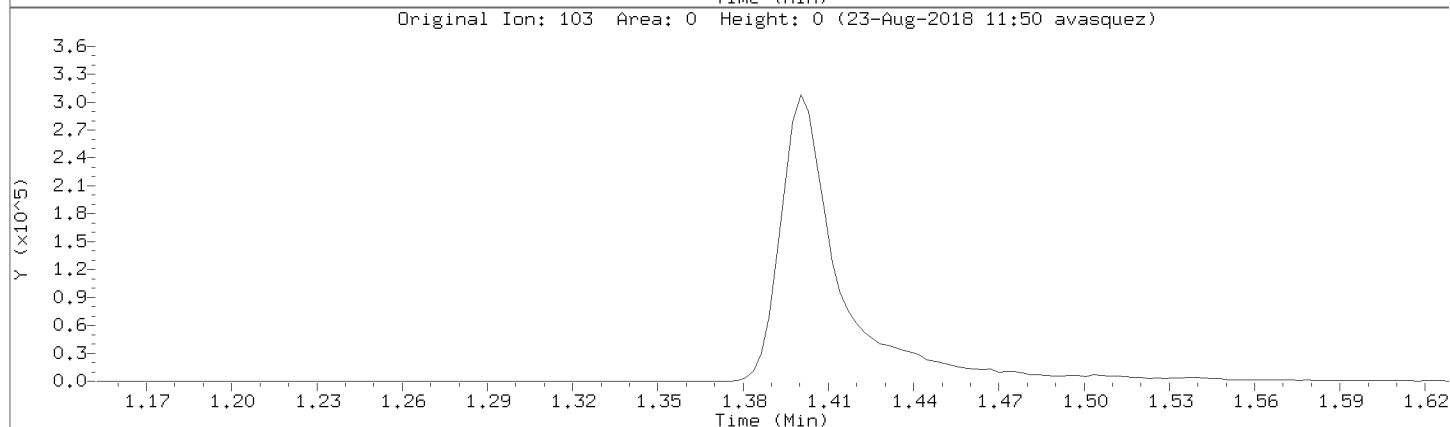
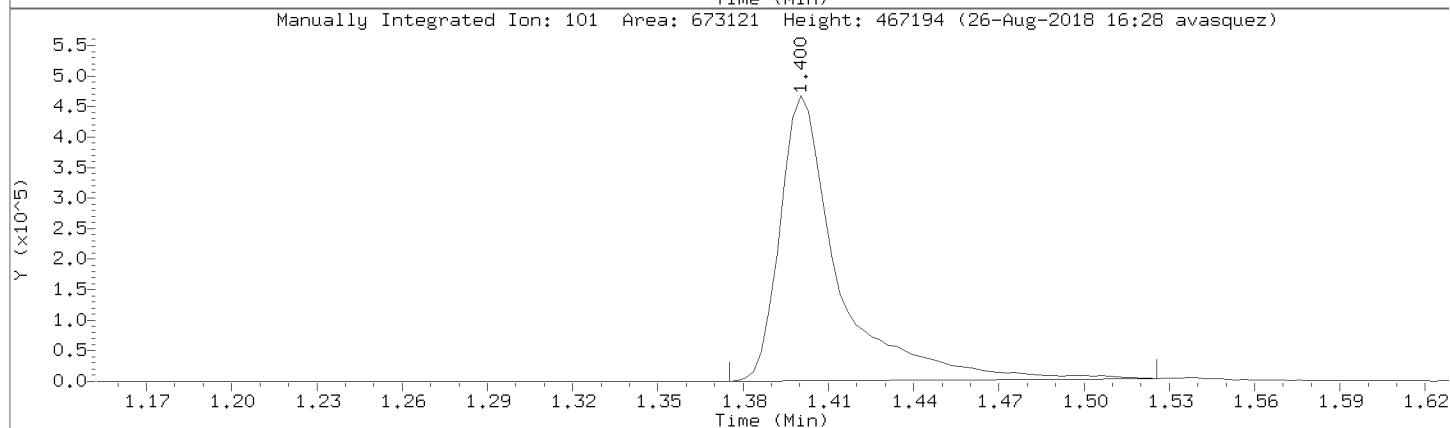
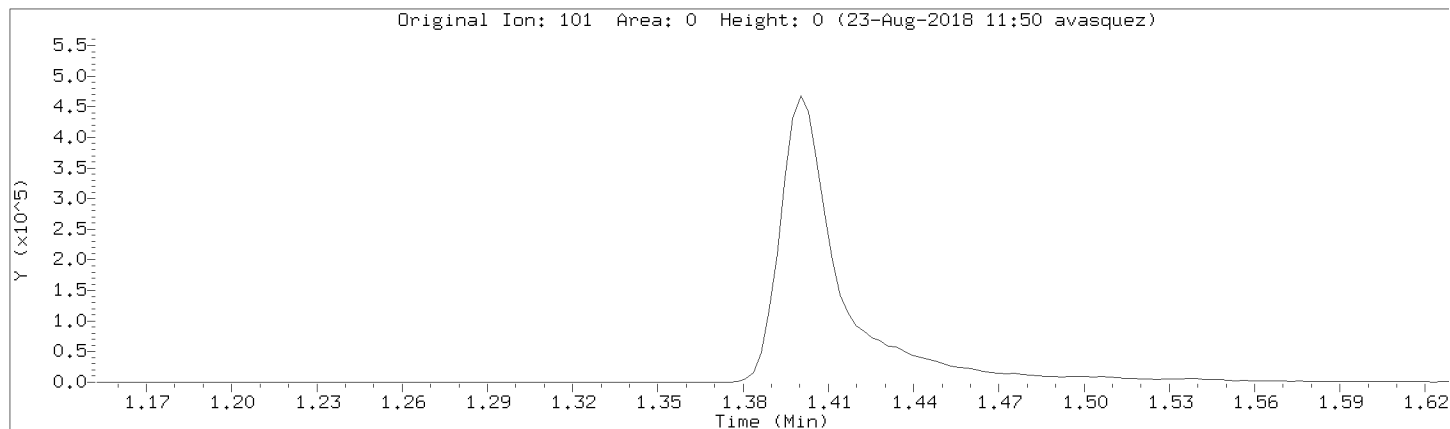


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Lab Sample ID: 8260-CAL8



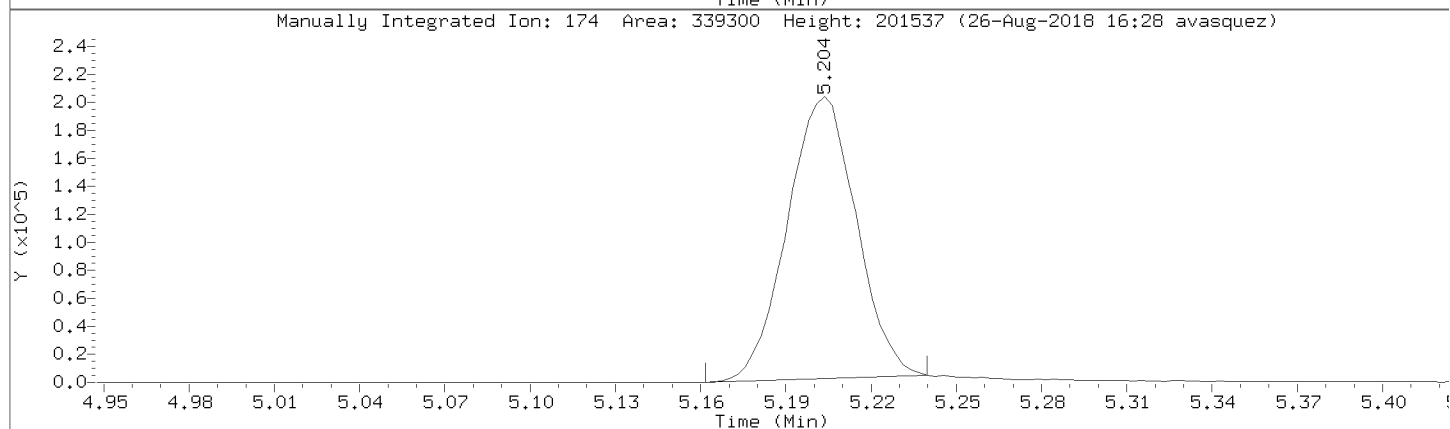
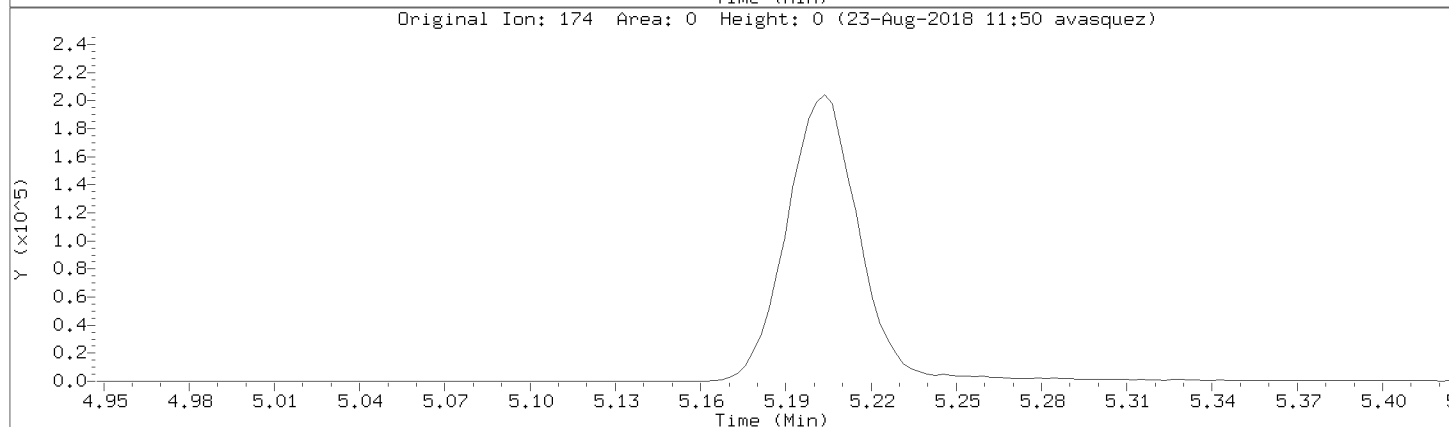
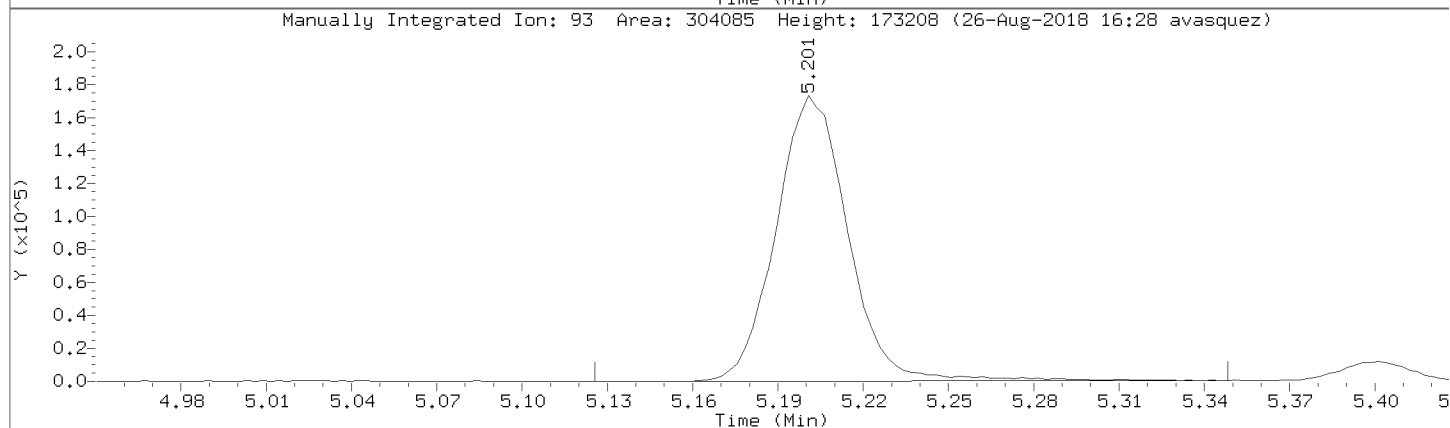
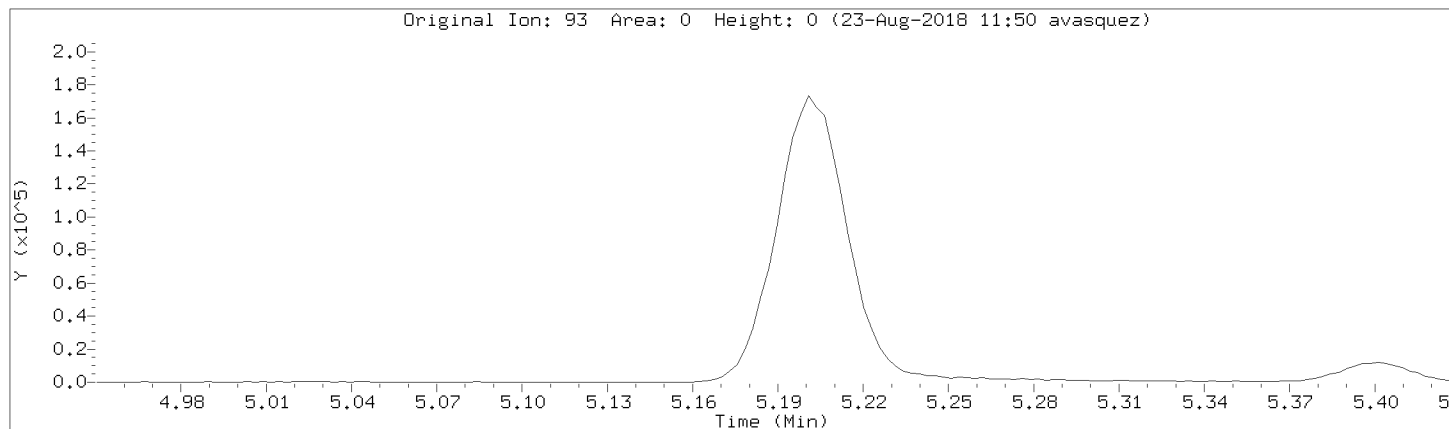
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Compound: Trichlorofluoromethane Review Code: NI
CAS Number: 75-69-4

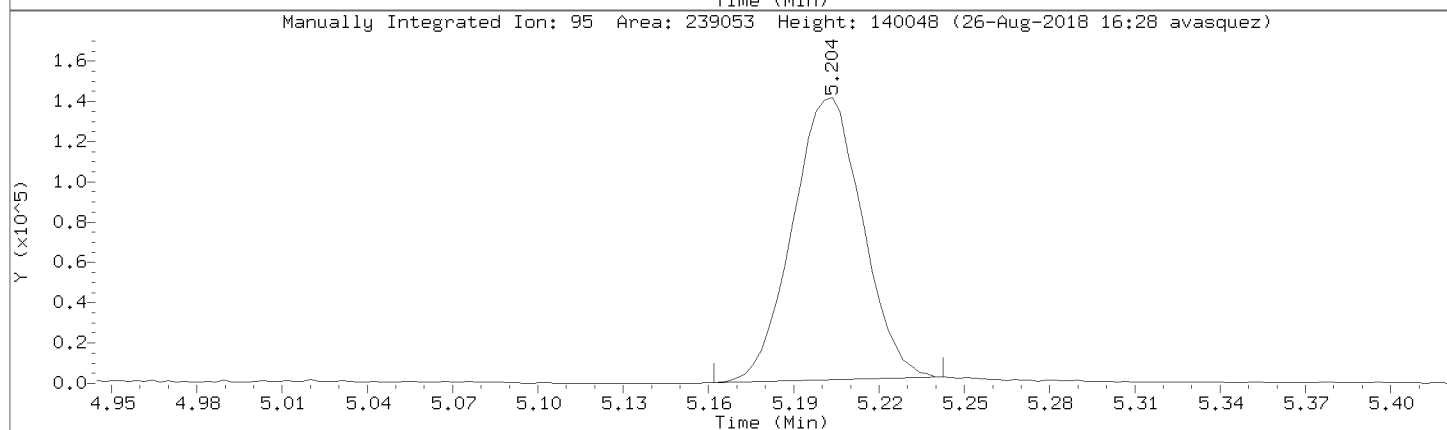
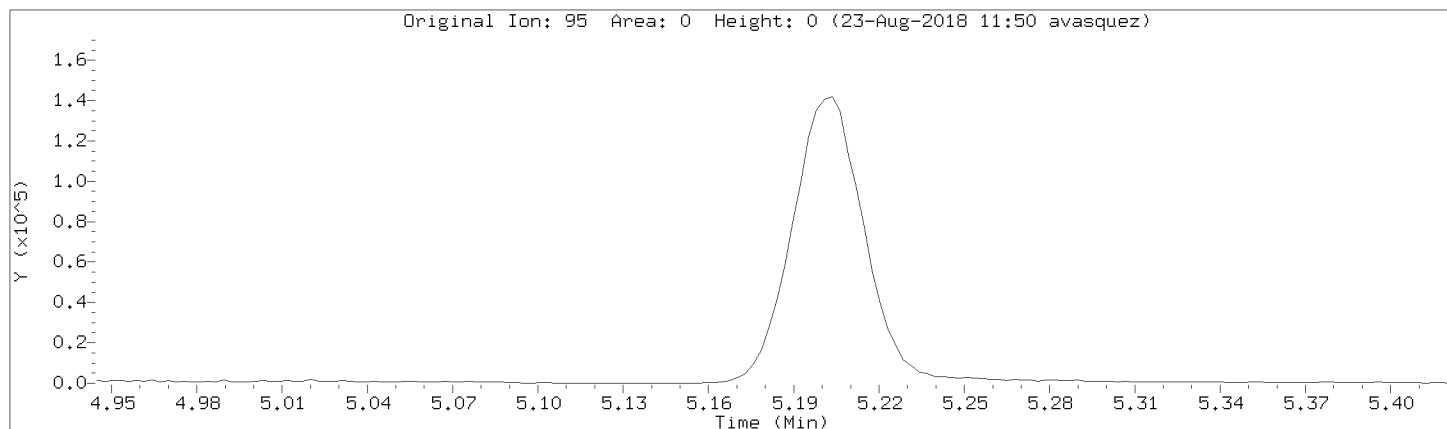


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Compound: Dibromomethane Review Code: NI
CAS Number: 74-95-3

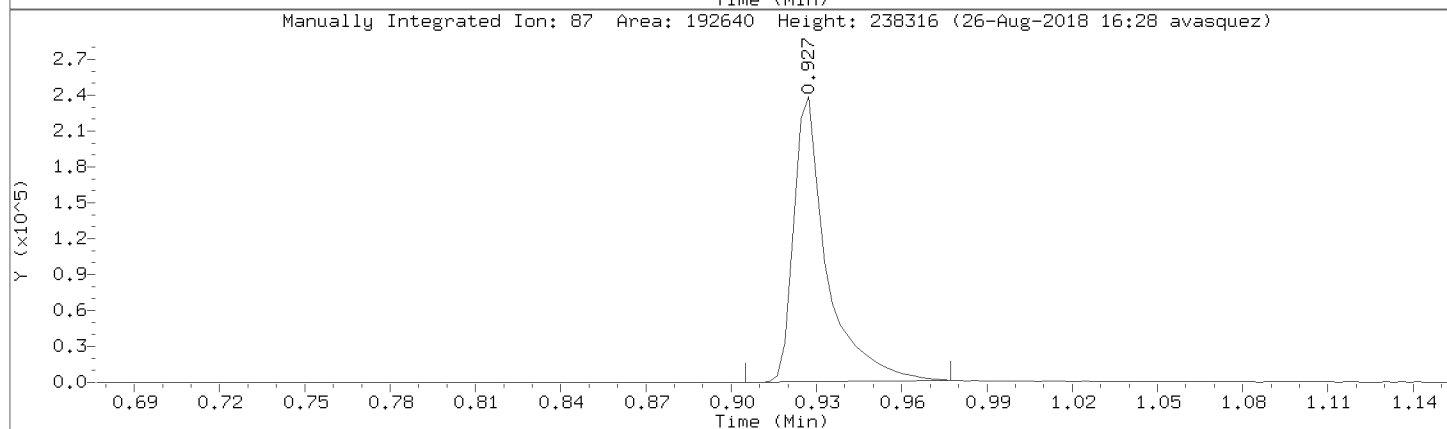
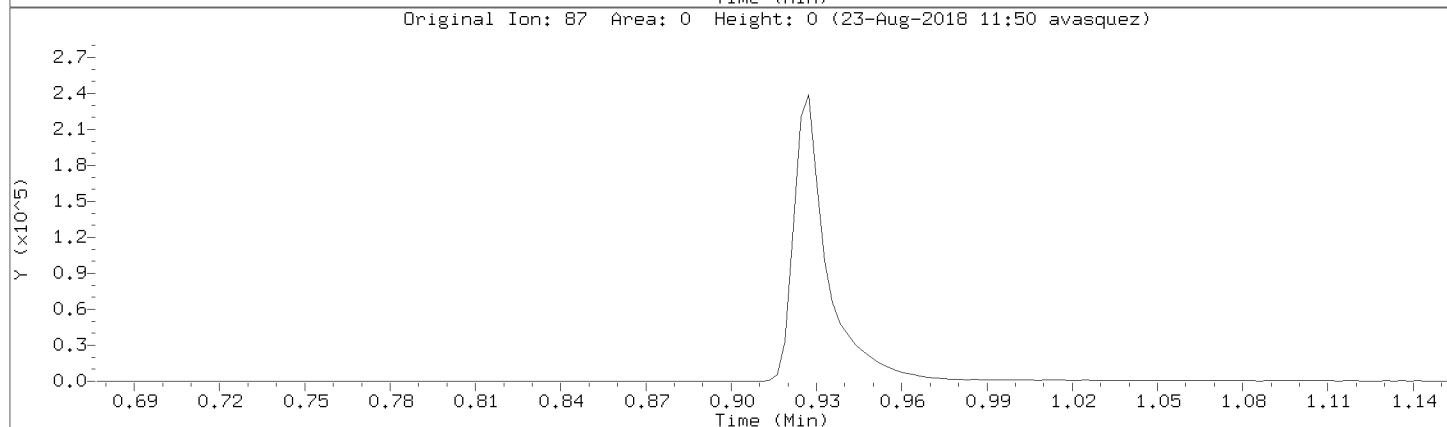
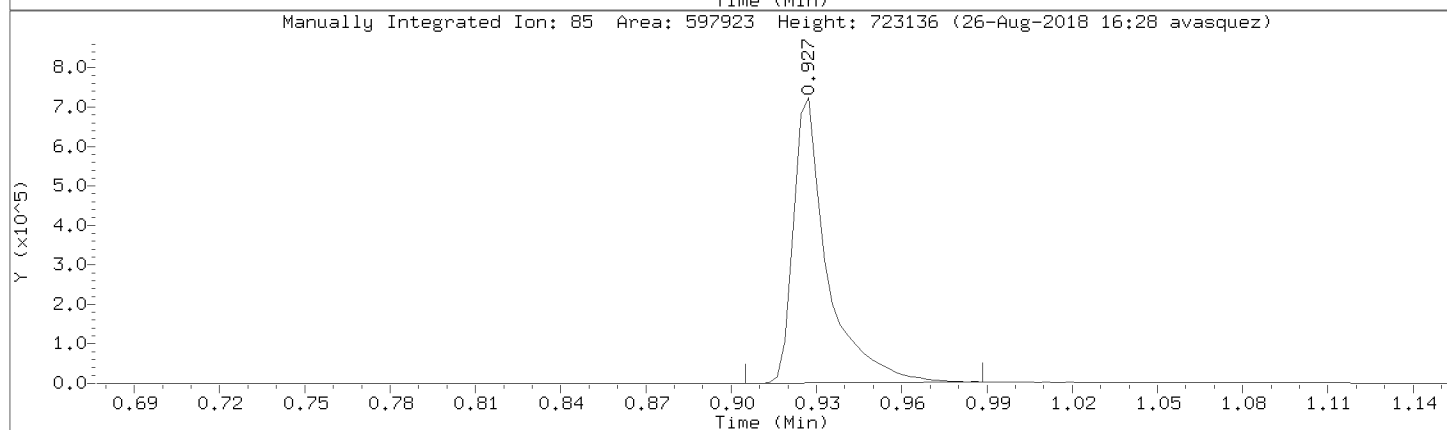
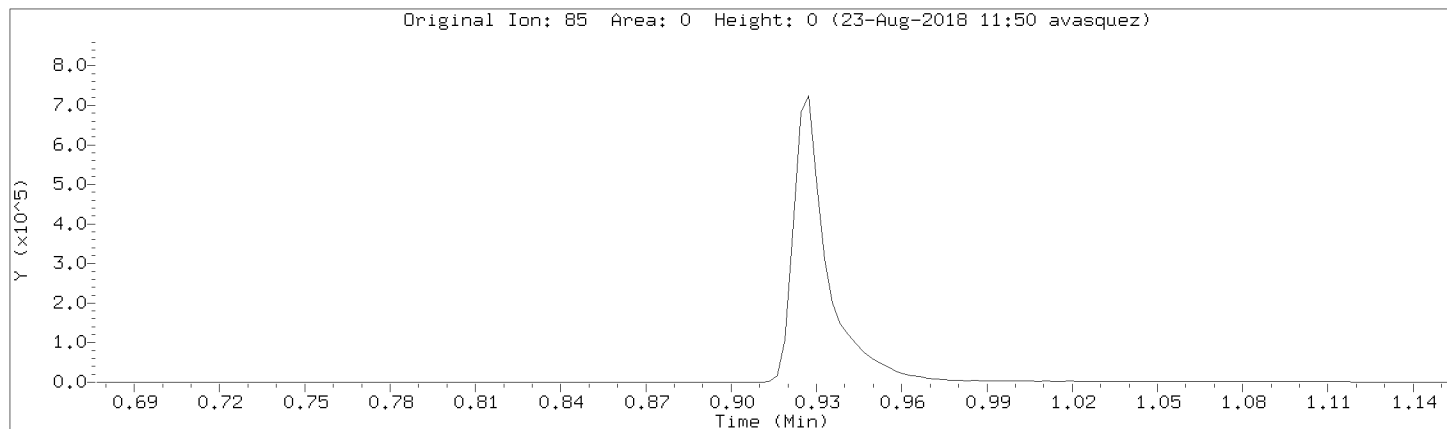


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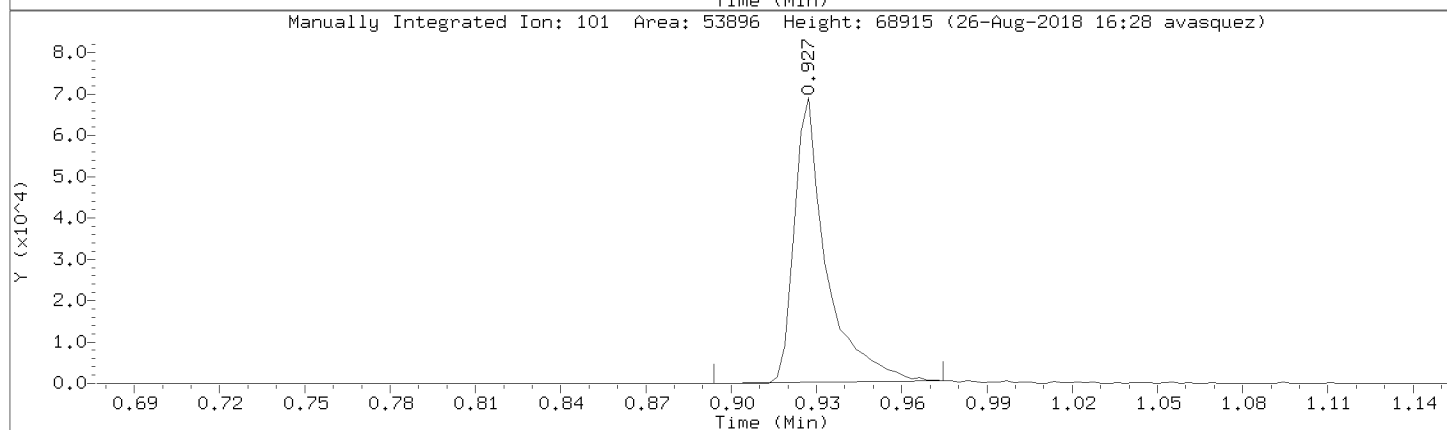
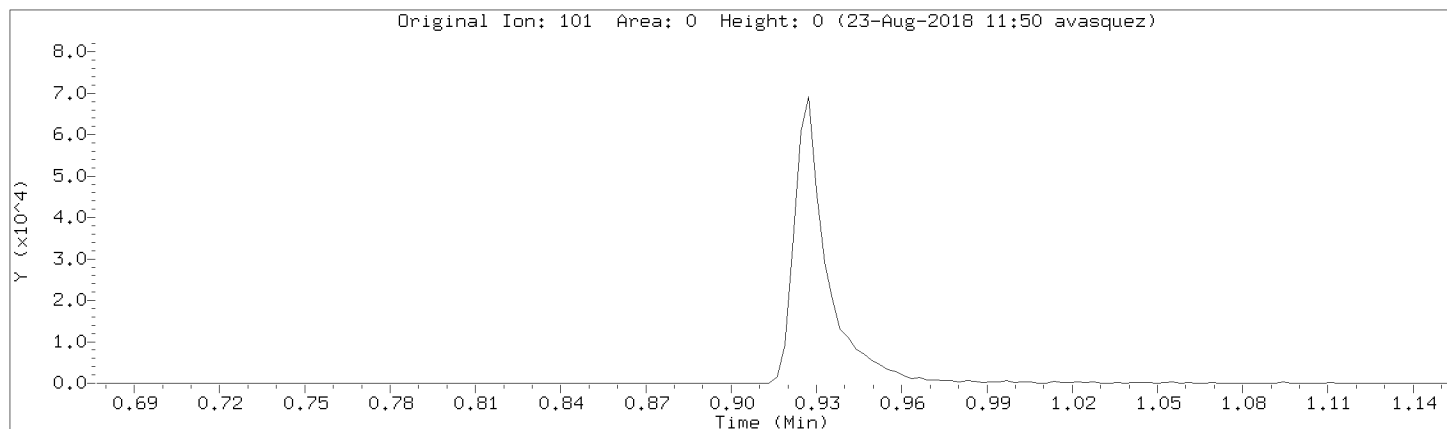


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Lab Sample ID: 8260-CAL8

Compound: Dichlorodifluoromethane Review Code: NI
CAS Number: 75-71-8

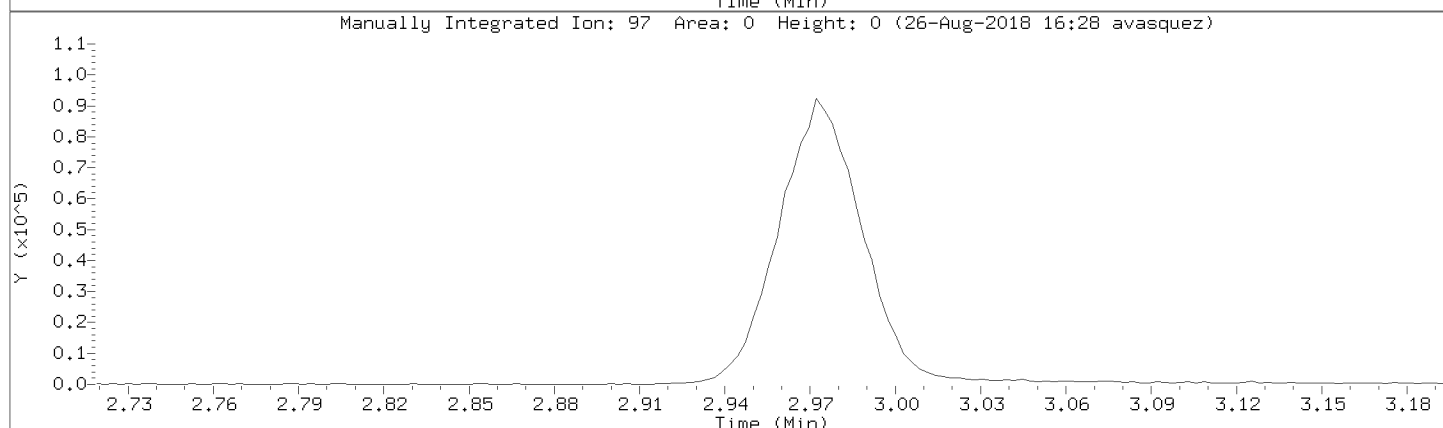
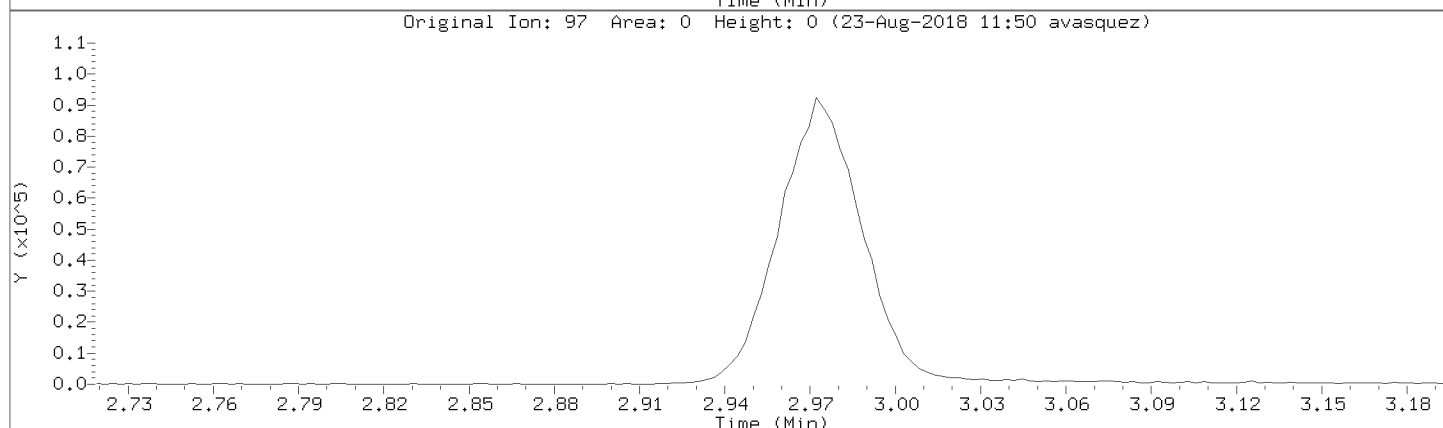
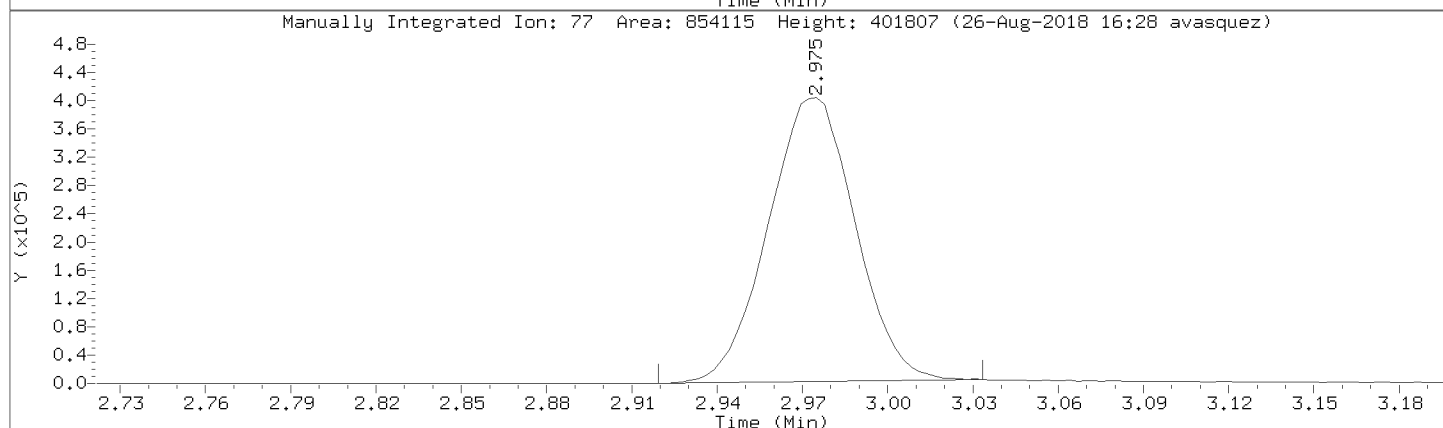
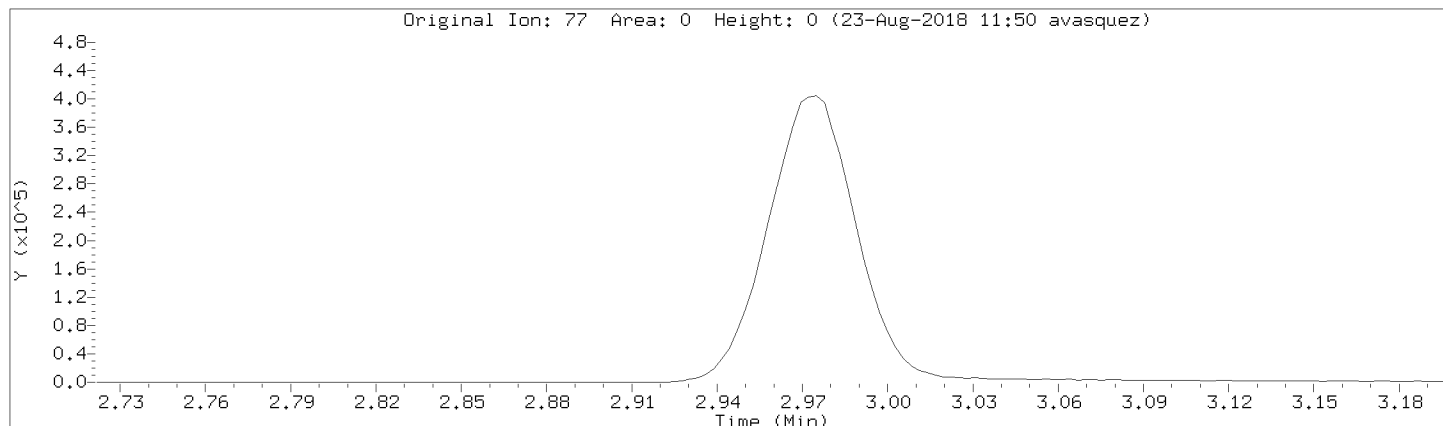


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Lab Sample ID: 8260-CAL8



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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

Compound: 2,2-Dichloropropane Review Code: NI
CAS Number: 594-20-7



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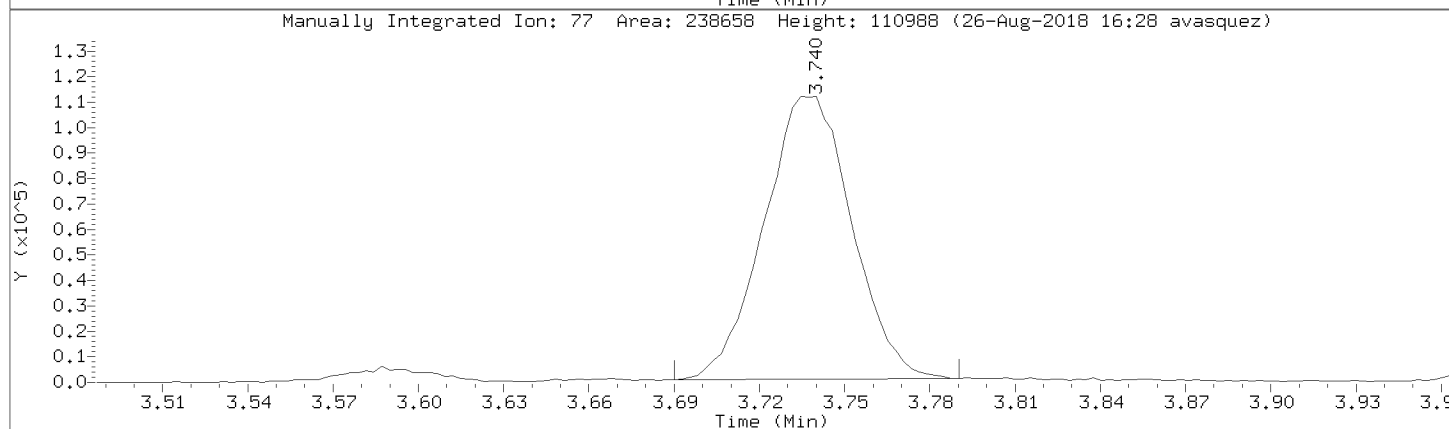
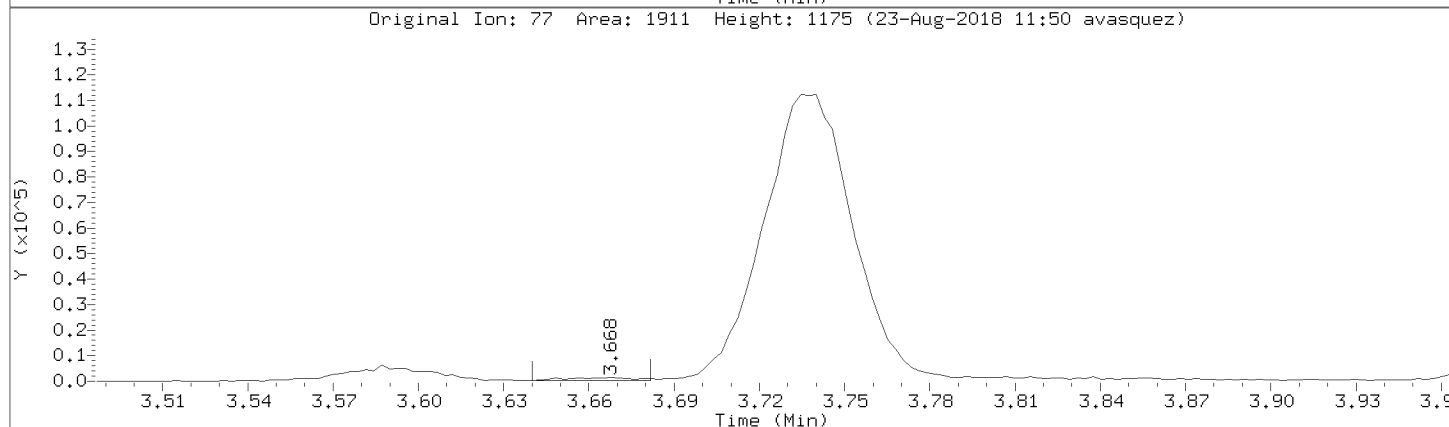
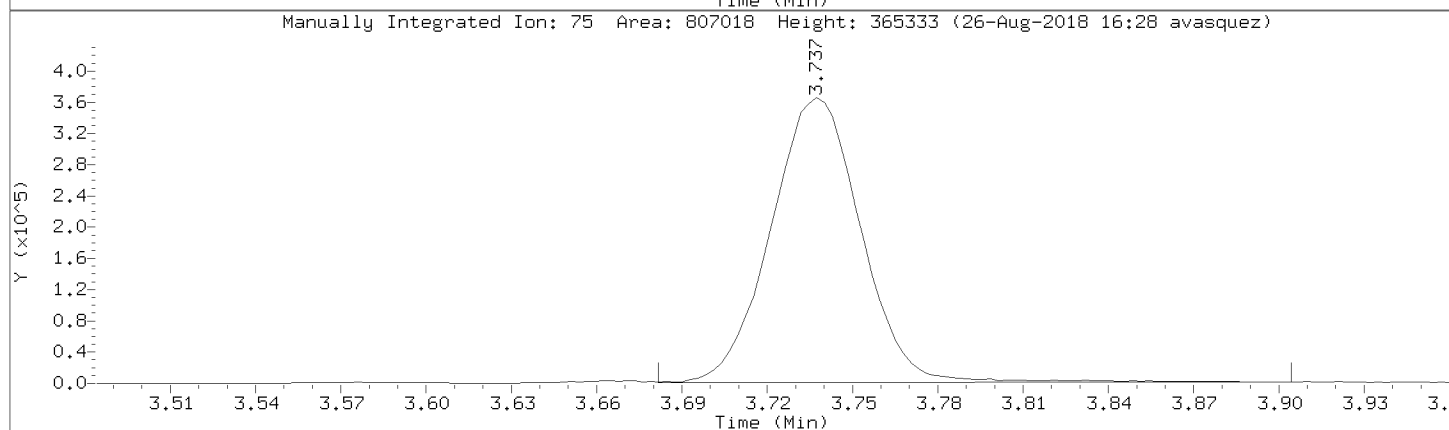
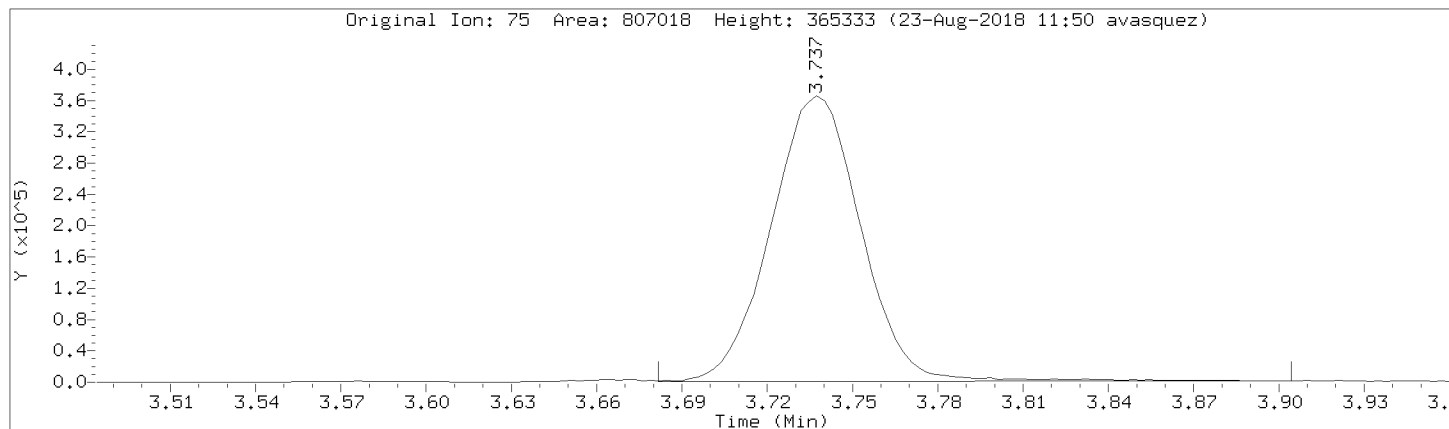
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

Compound: 1,1-Dichloropropene

Review Code: NI

CAS Number: 563-58-6

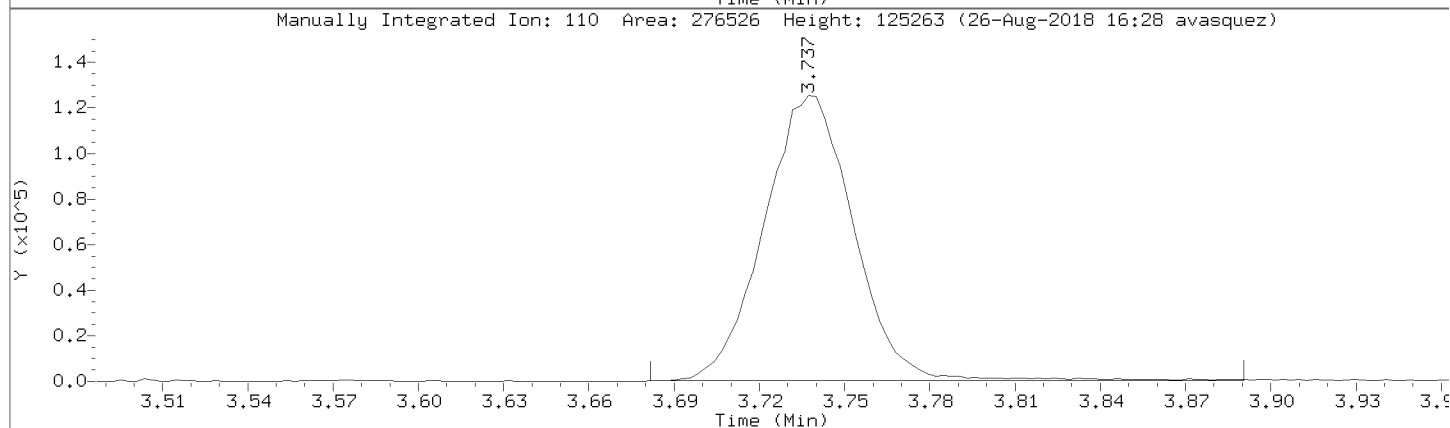
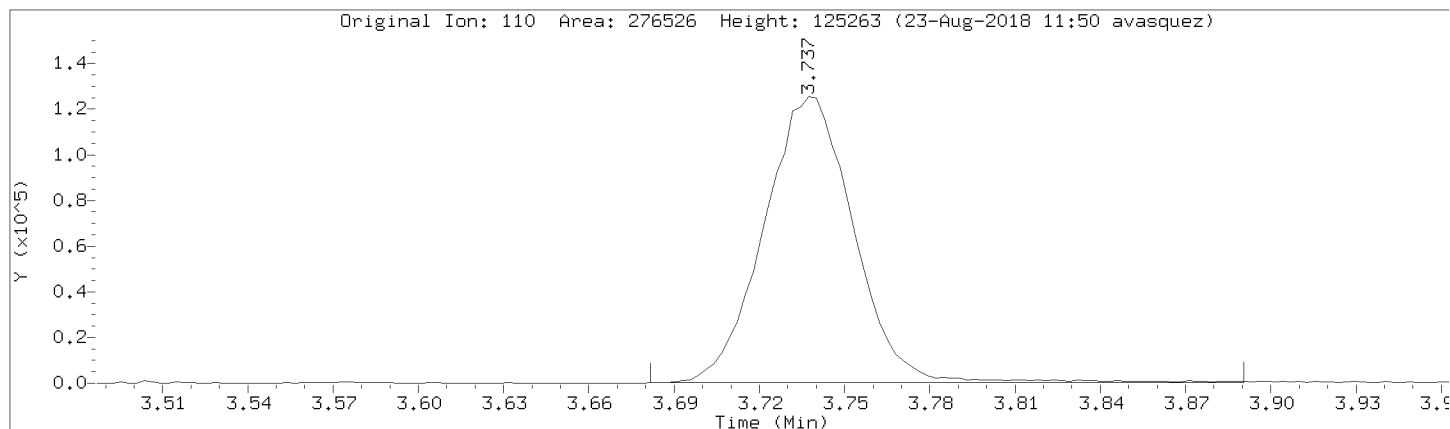


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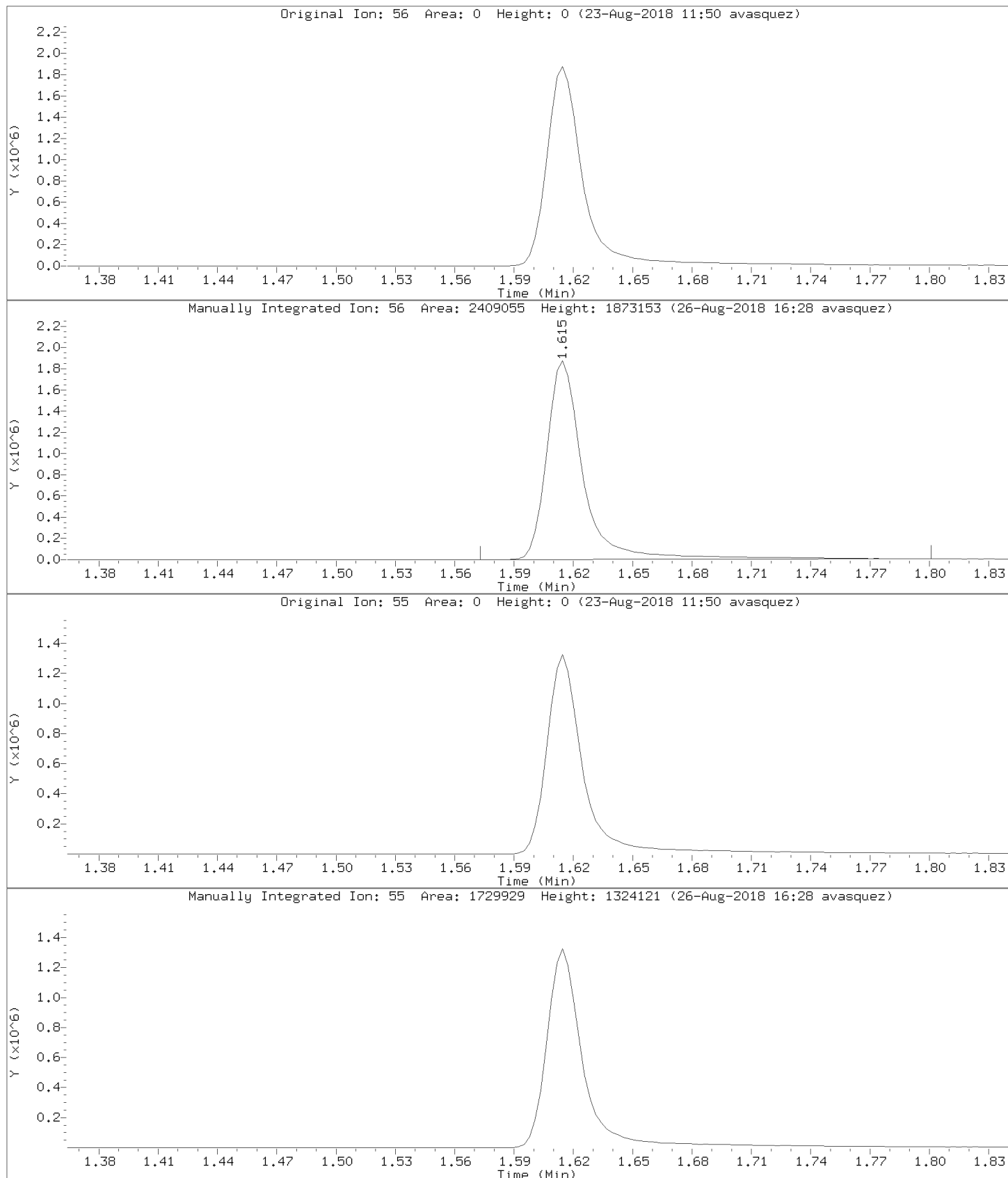
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Lab Sample ID: 8260-CAL8



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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

Compound: Acrolein Review Code: NI
CAS Number: 107-02-8



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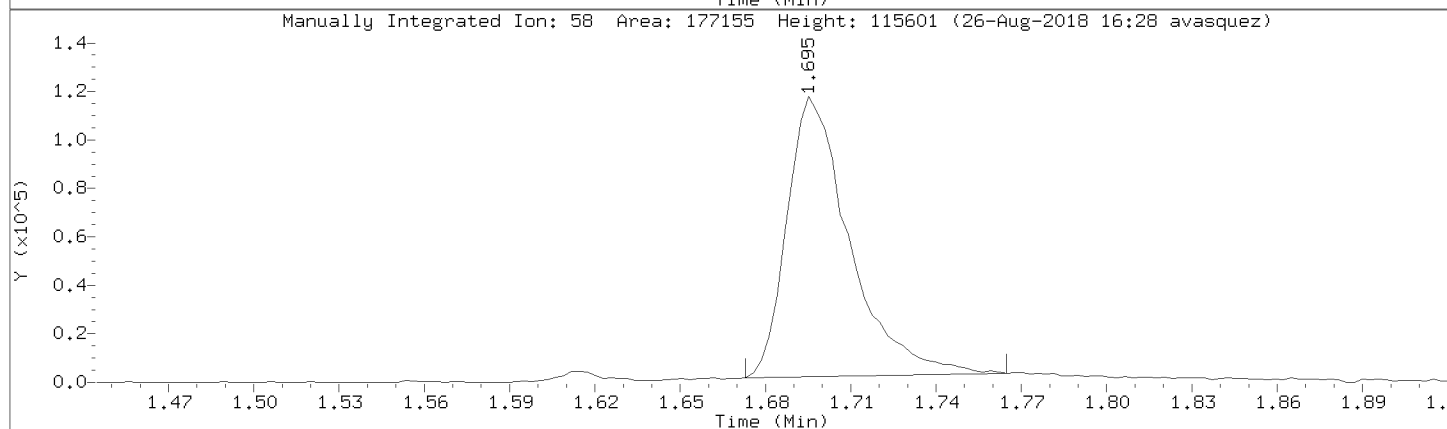
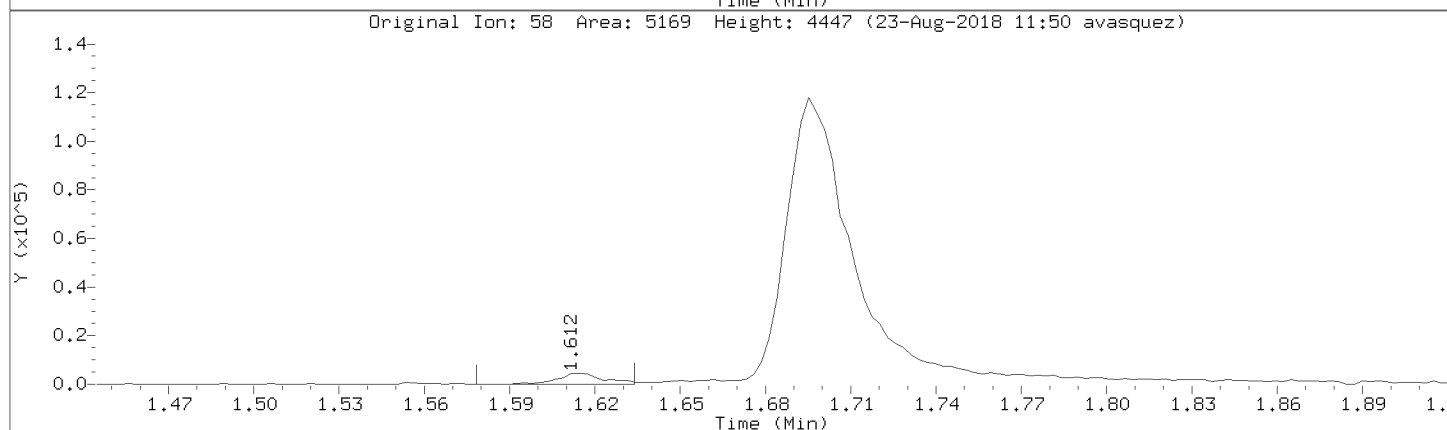
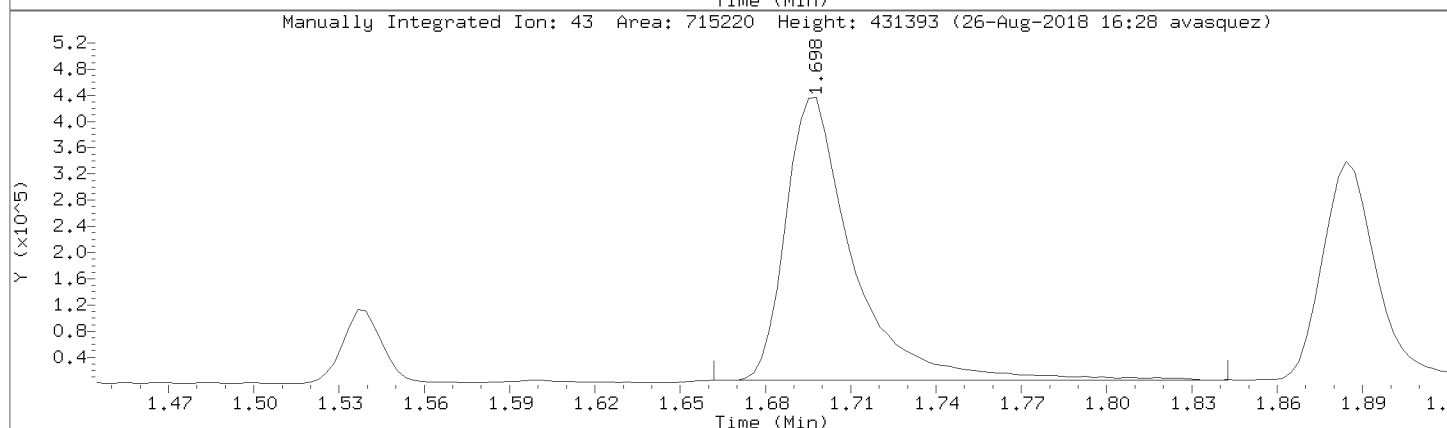
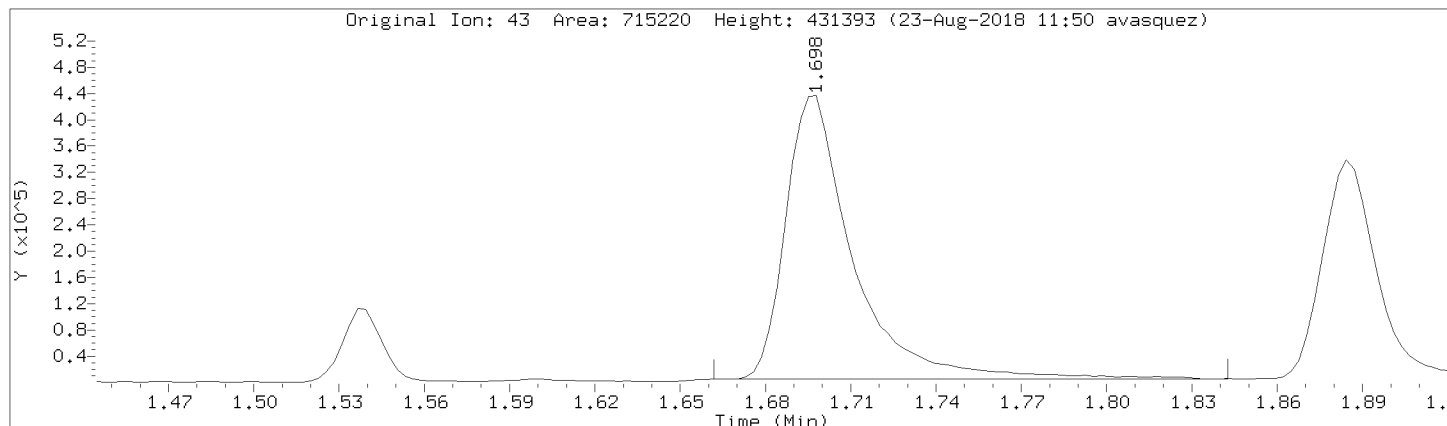
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Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

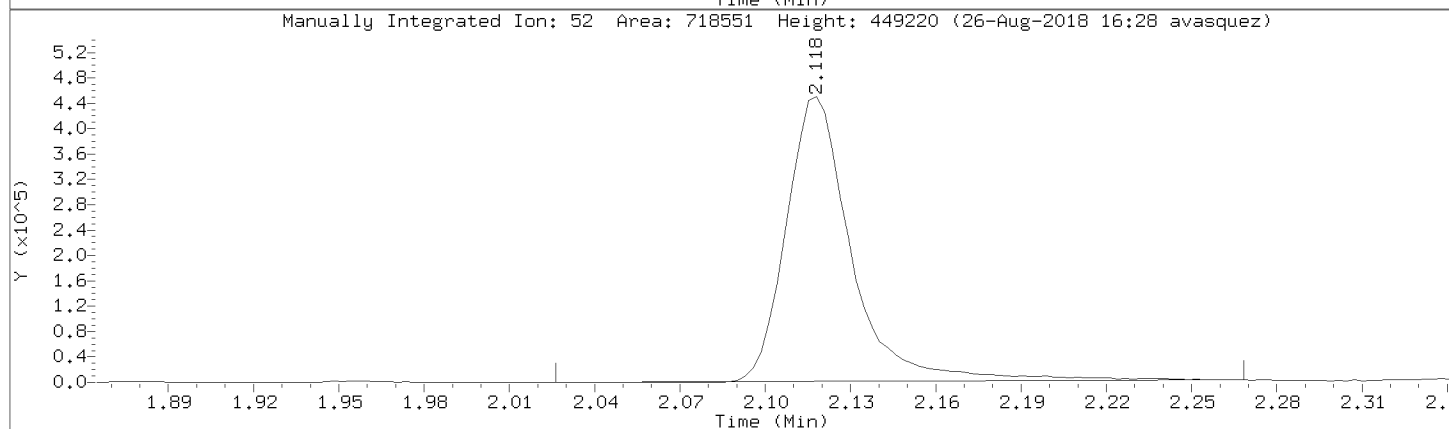
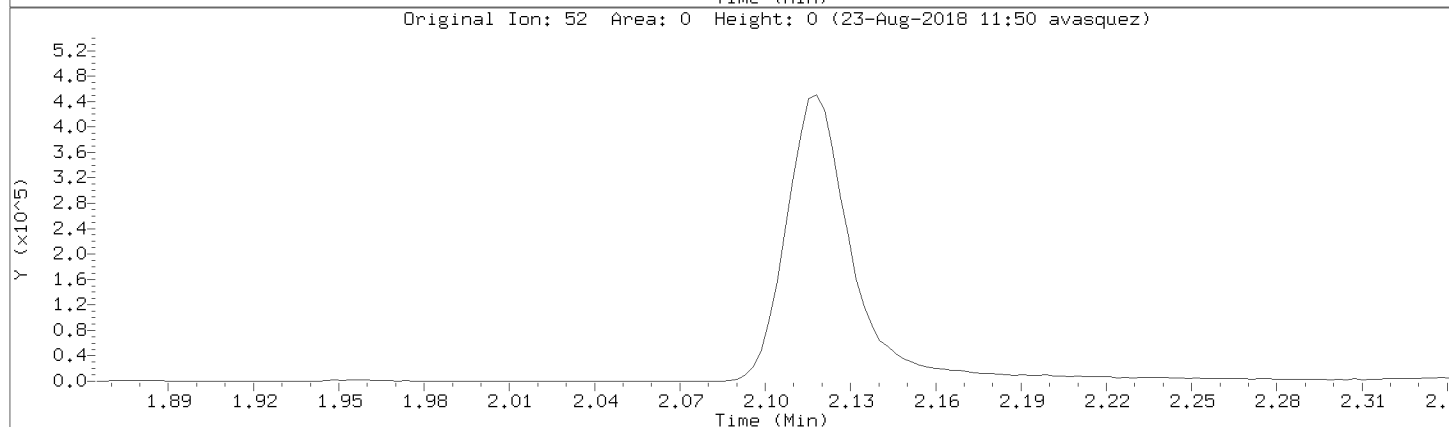
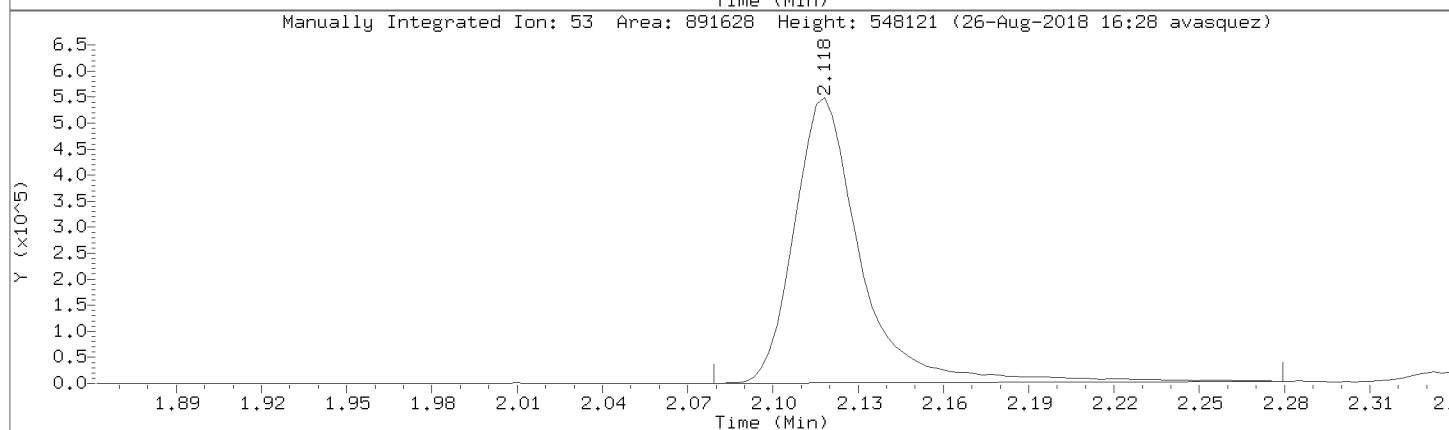
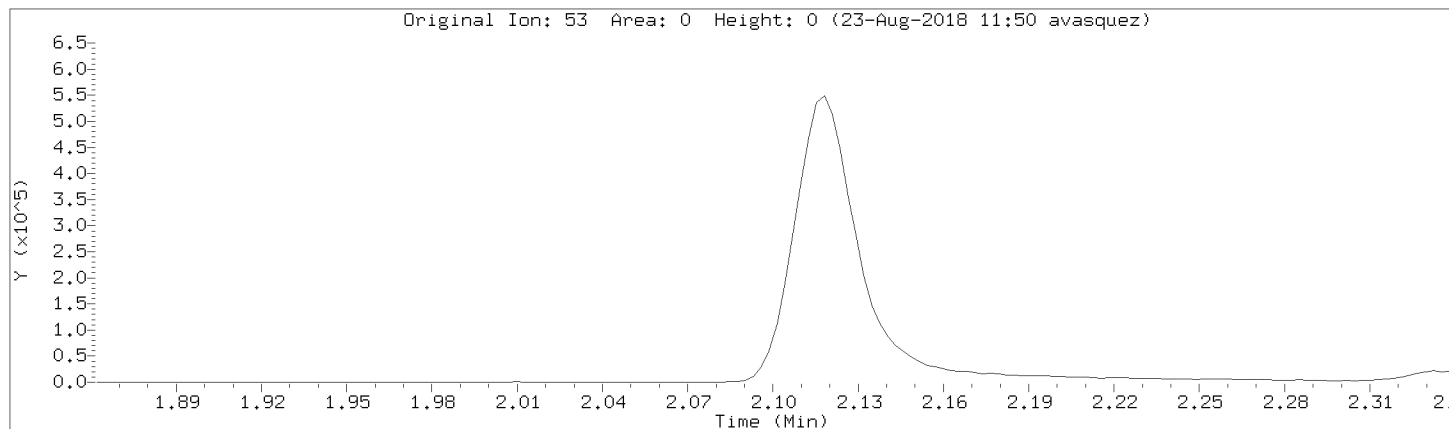
Compound: Acetone Review Code: NI

CAS Number: 67-64-1



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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

Compound: Acrylonitrile Review Code: NI
CAS Number: 107-13-1



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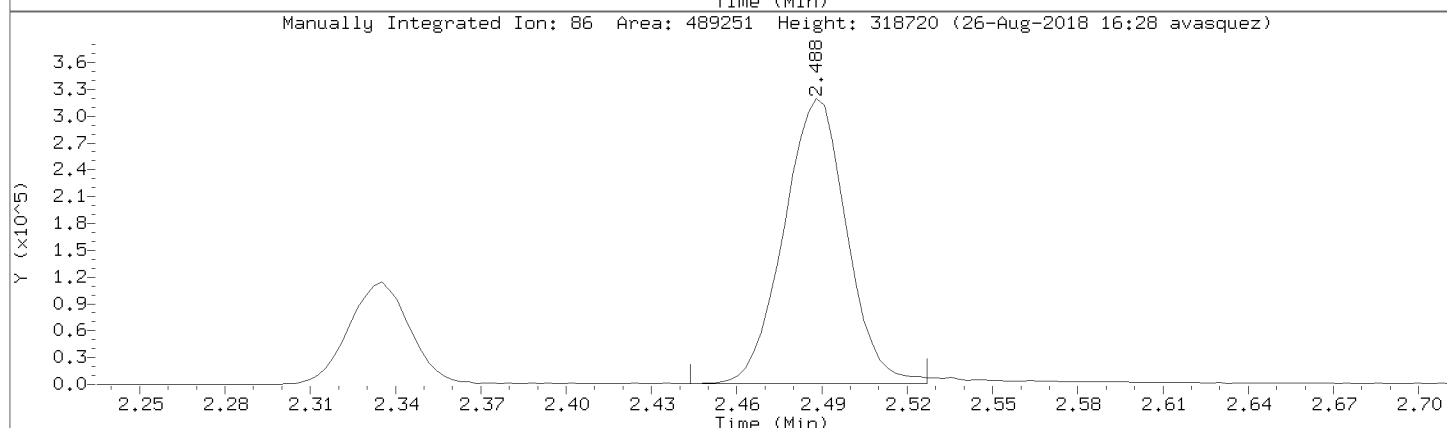
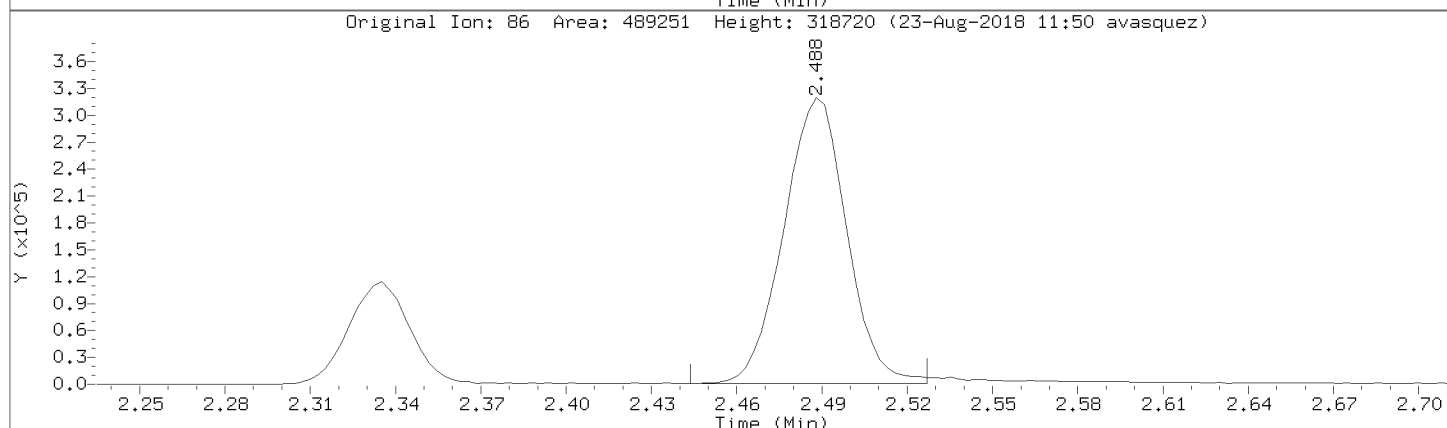
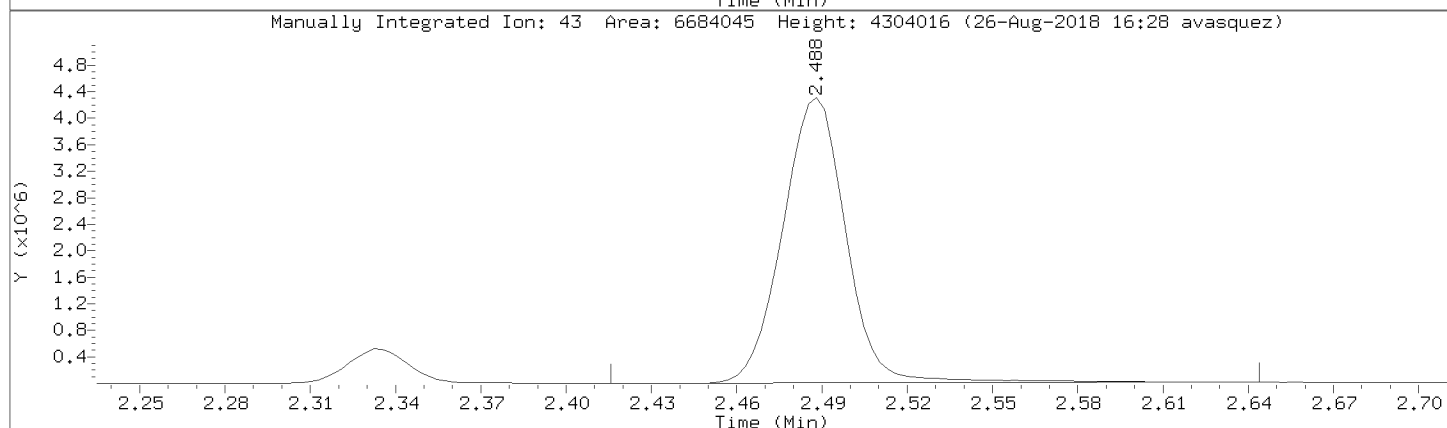
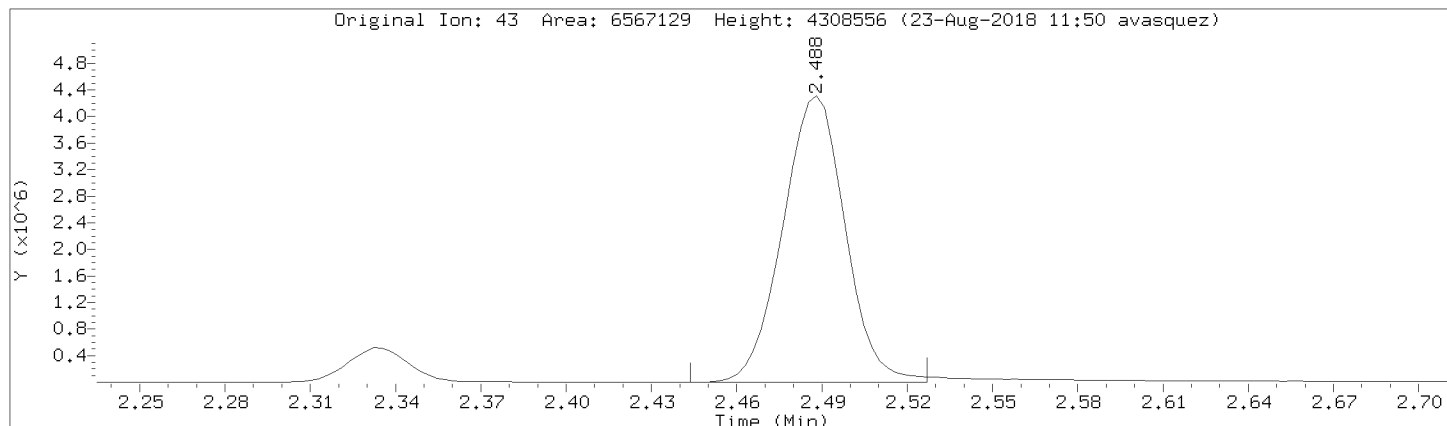
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

Compound: Vinyl Acetate

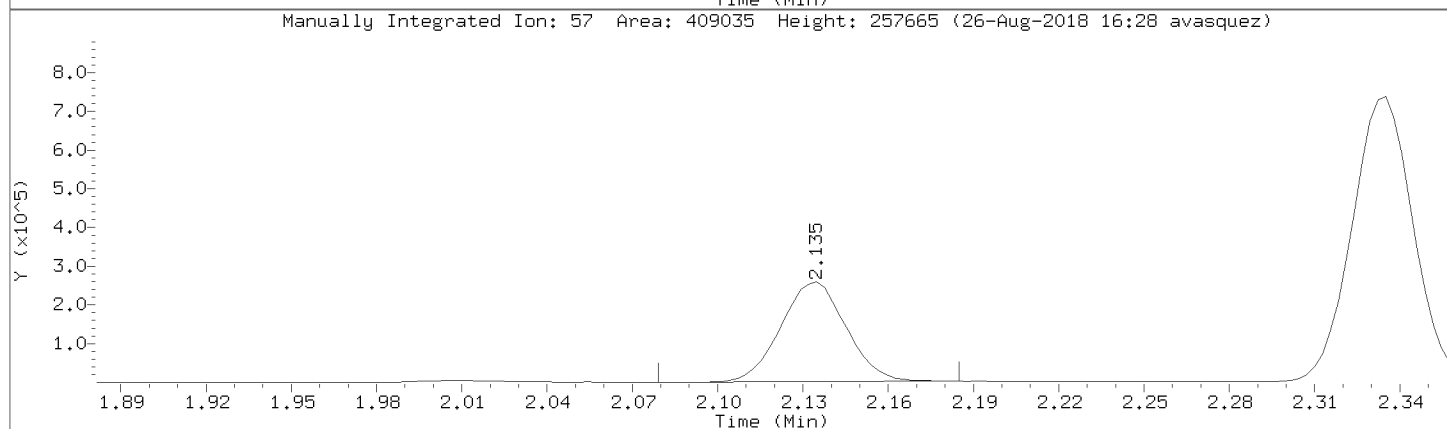
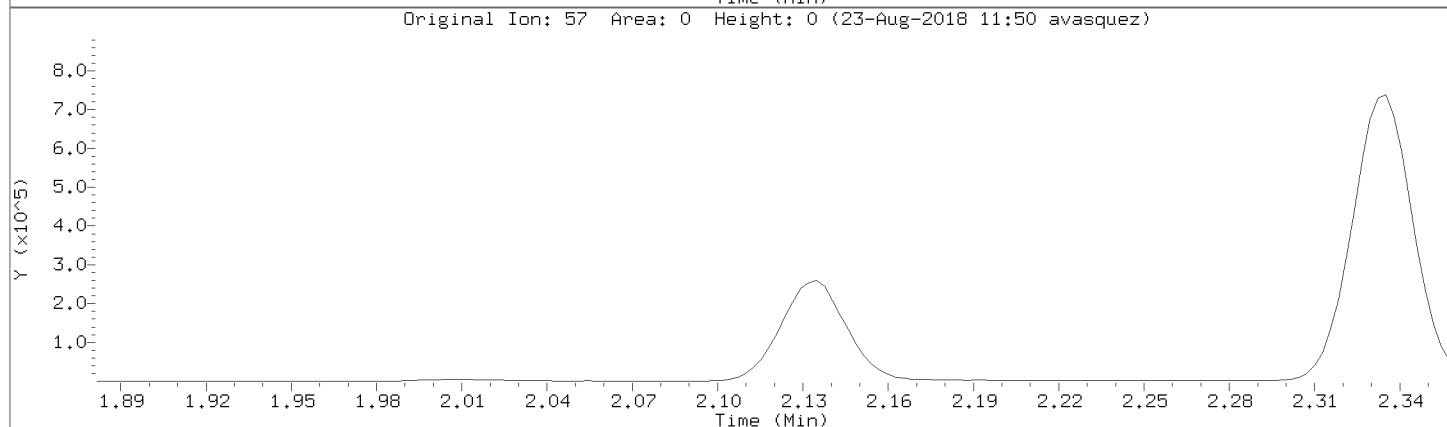
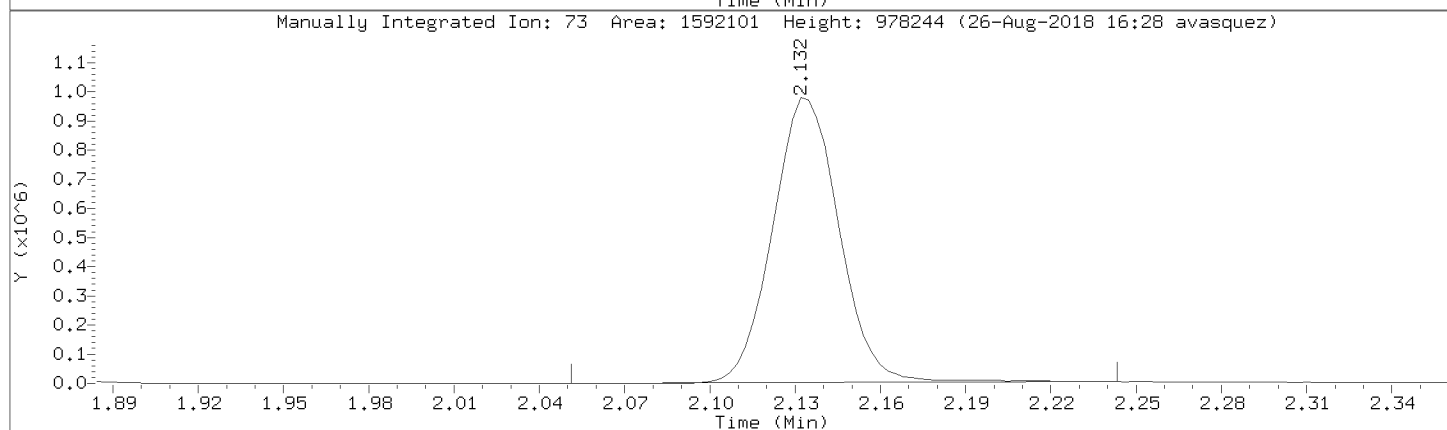
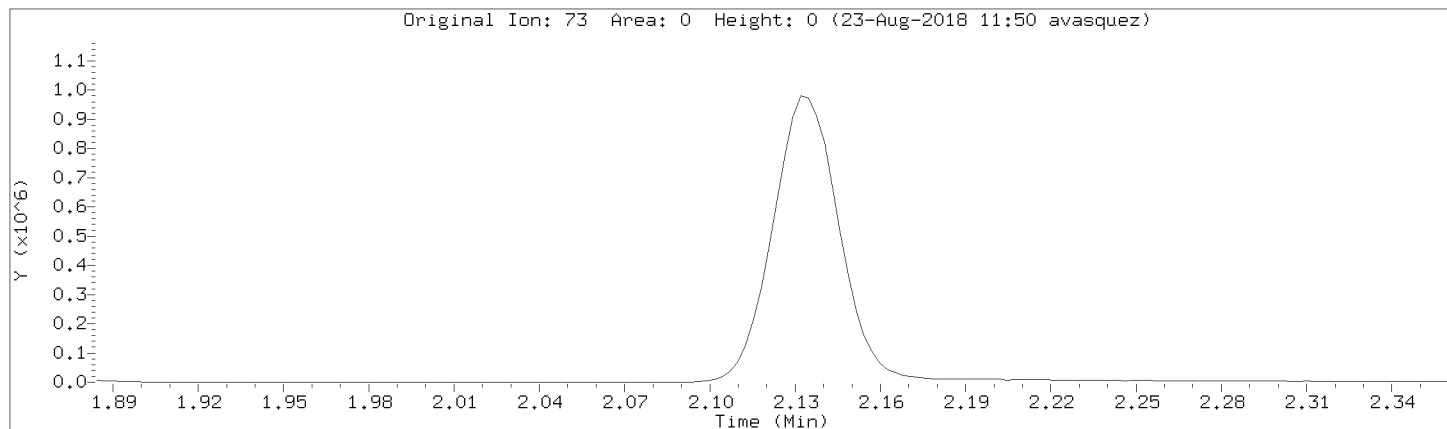
Review Code: WP

CAS Number: 108-05-4



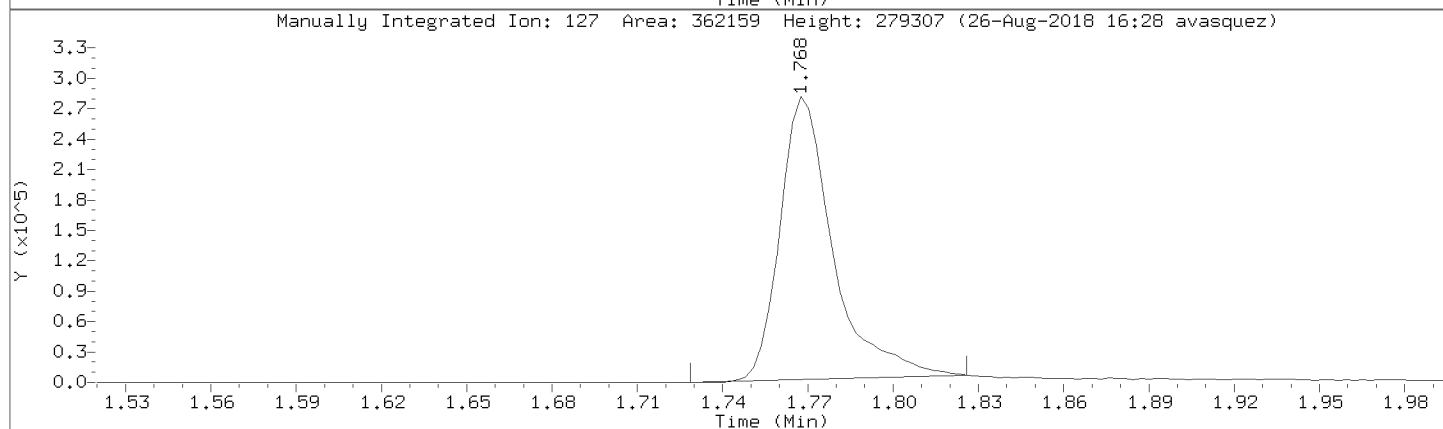
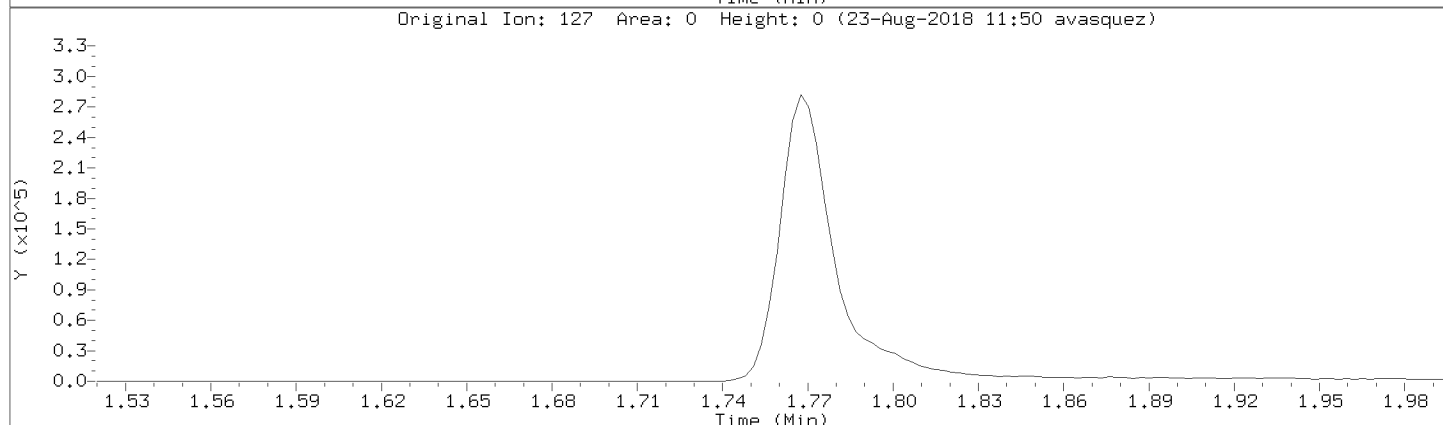
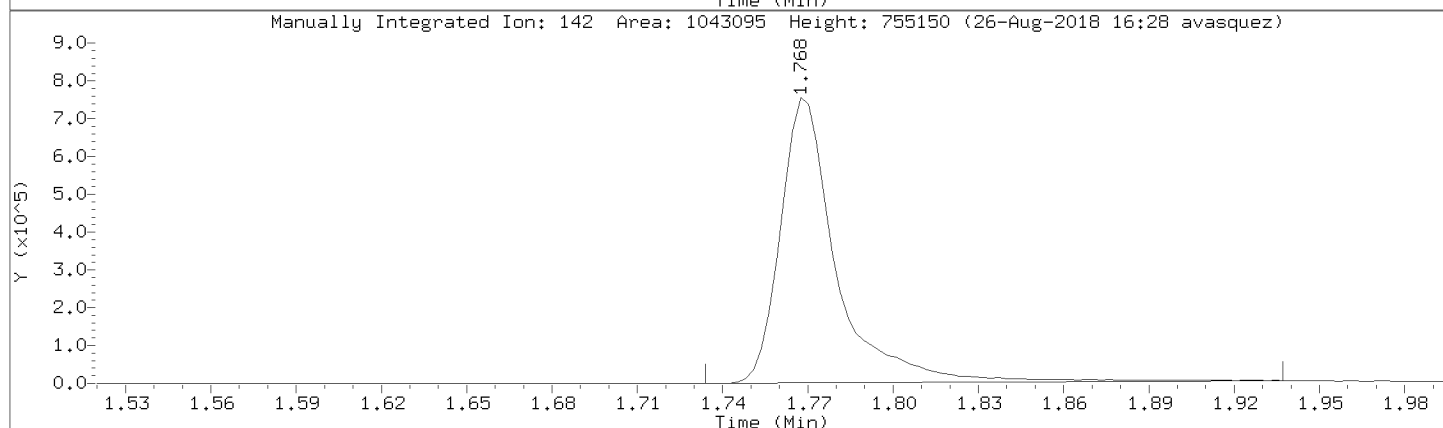
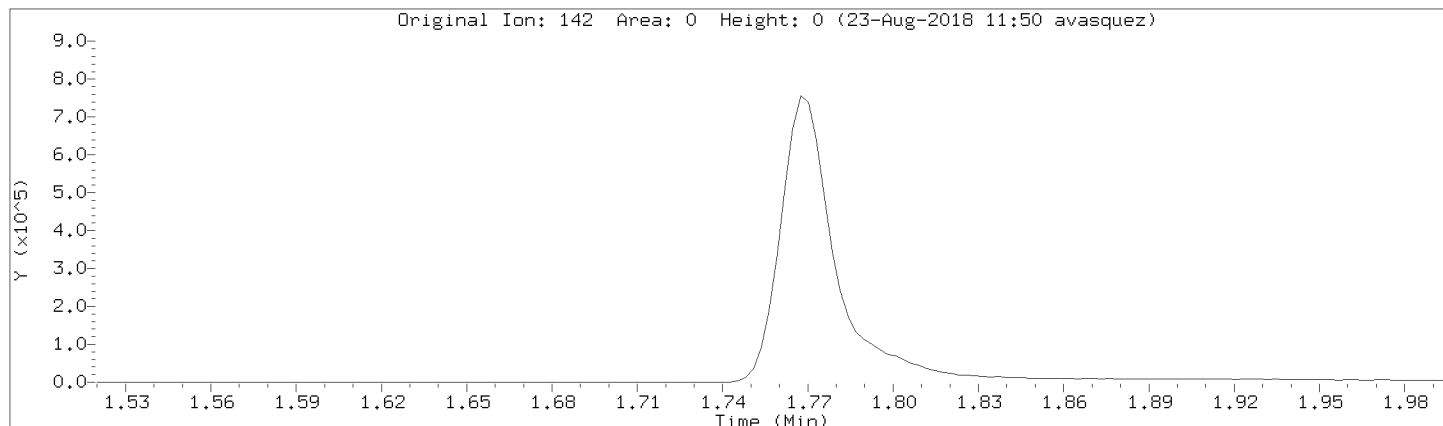
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Injection Date: 22-AUG-2018 18:07
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

Compound: Methyl-tert-butyl ether Review Code: NI
CAS Number: 1634-04-4



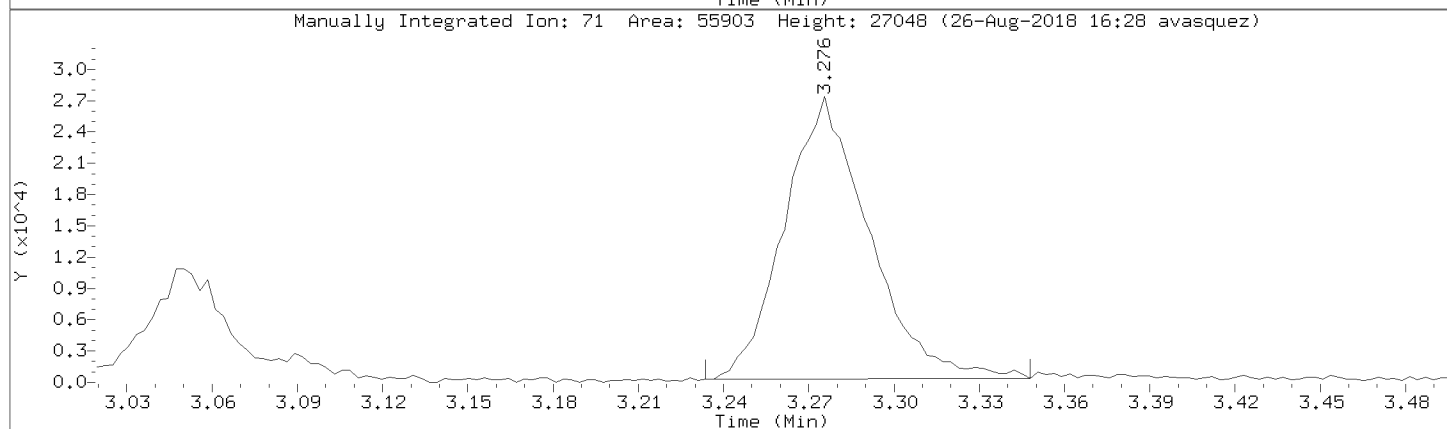
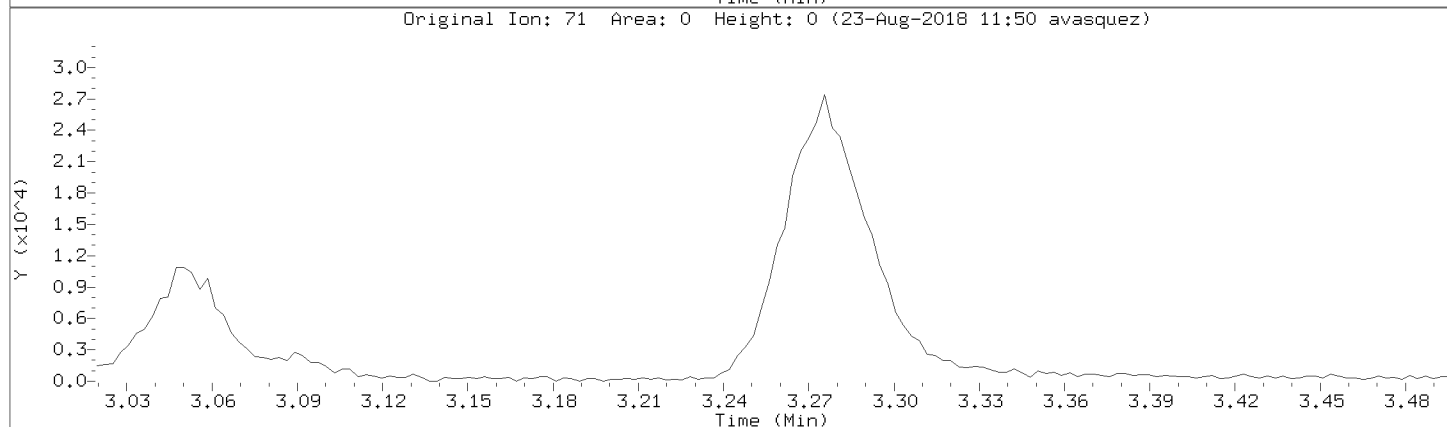
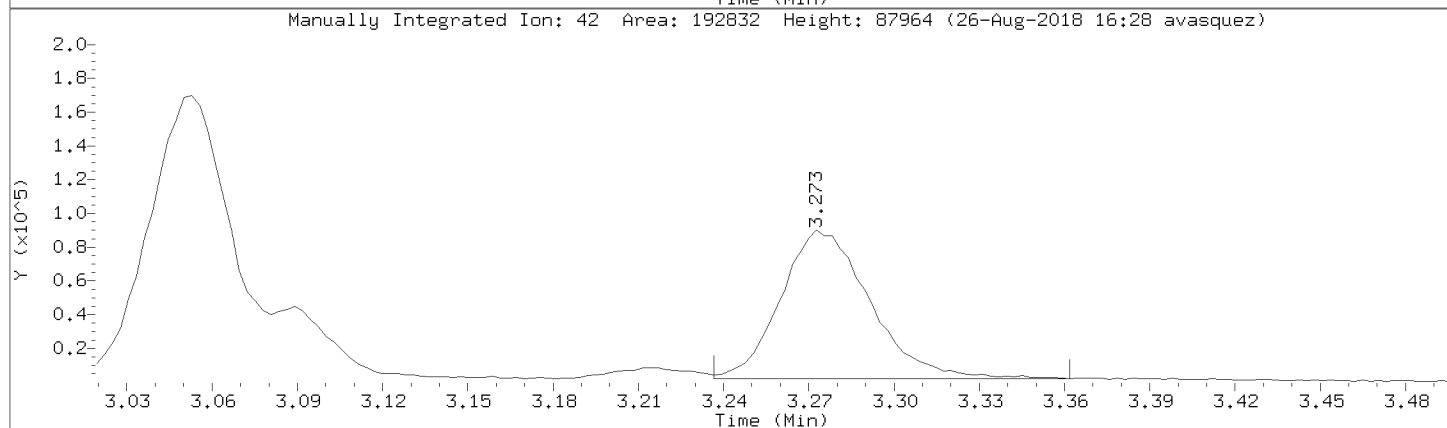
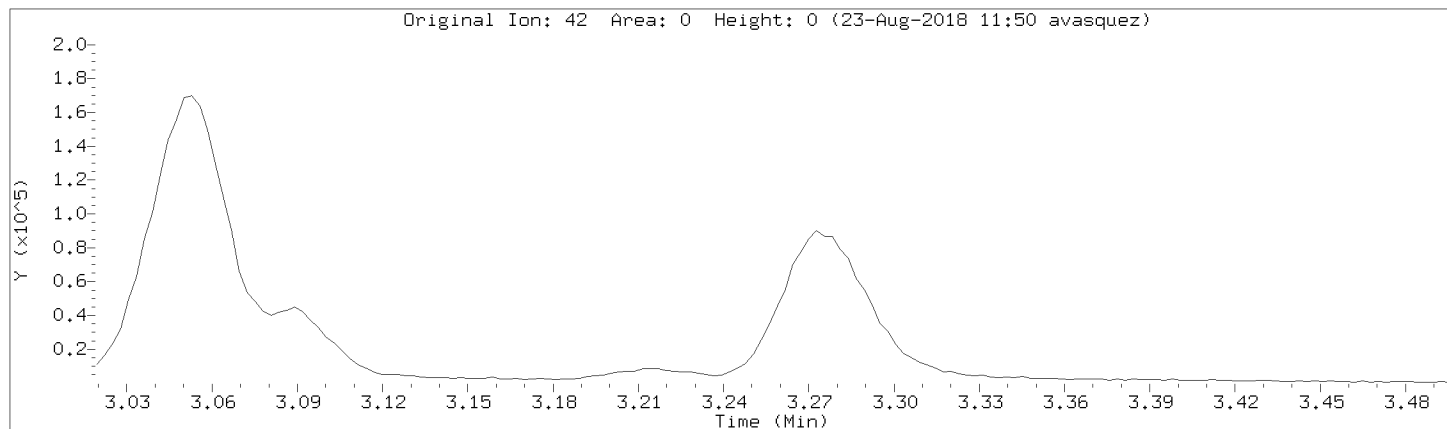
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Injection Date: 22-AUG-2018 18:07
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

Compound: Iodomethane Review Code: NI
CAS Number:

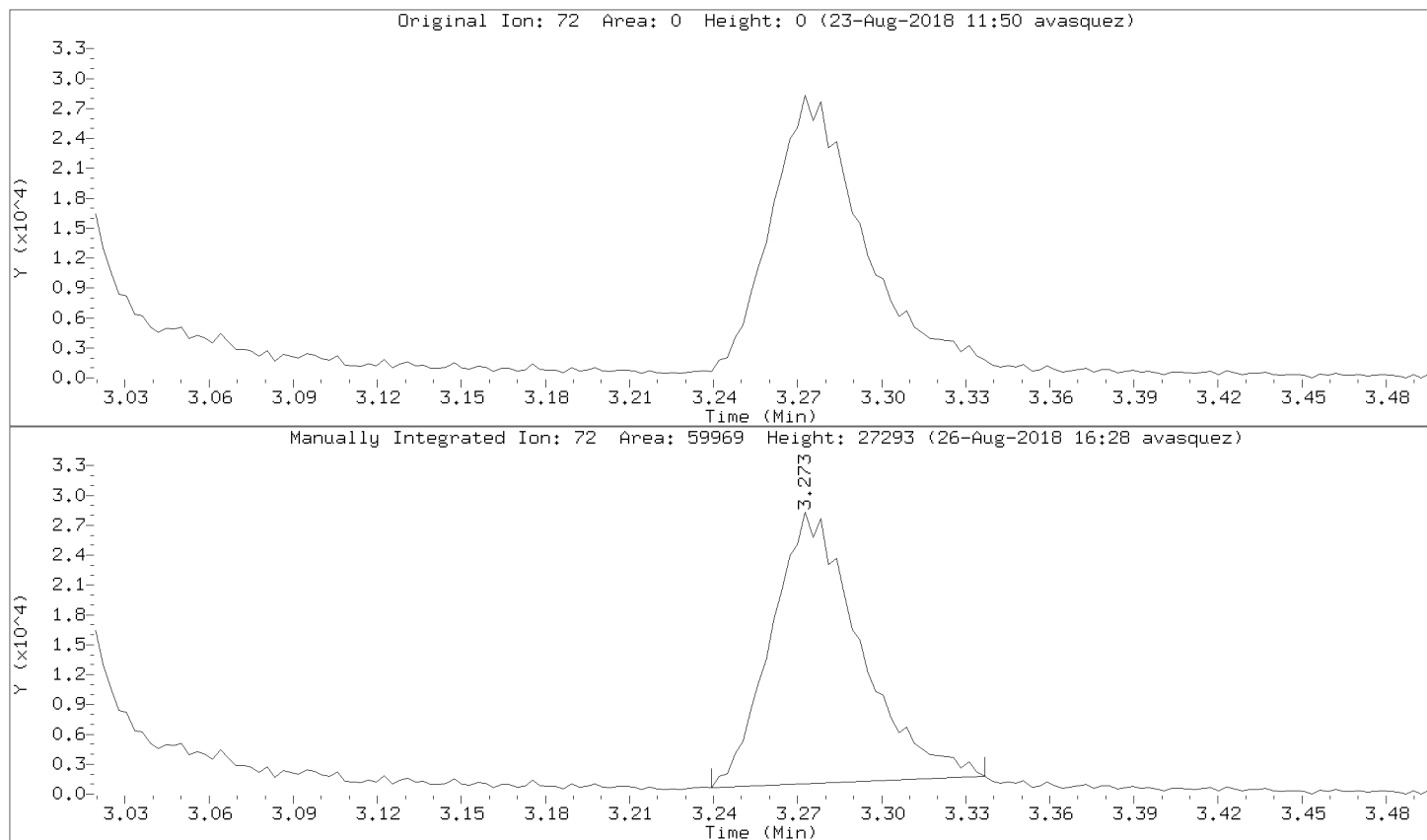


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Injection Date: 22-AUG-2018 18:07
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

Compound: Tetrahydrofuran Review Code: NI
CAS Number:

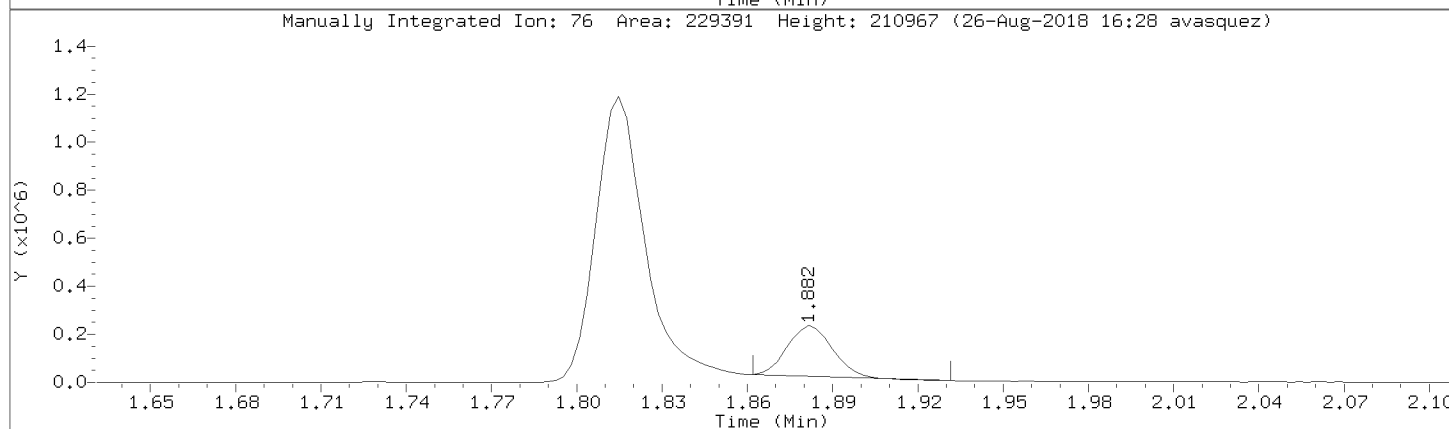
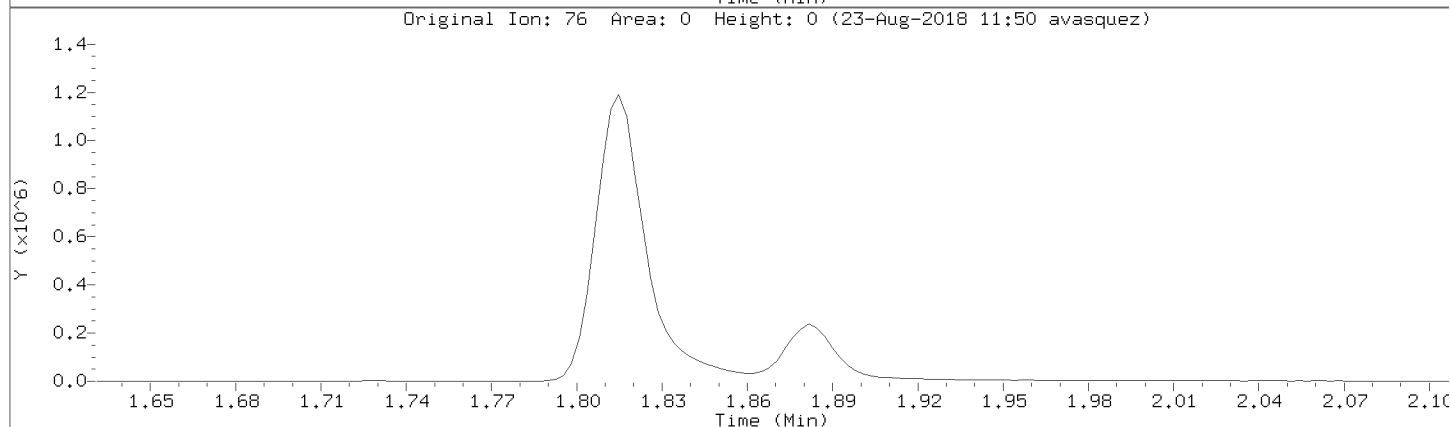
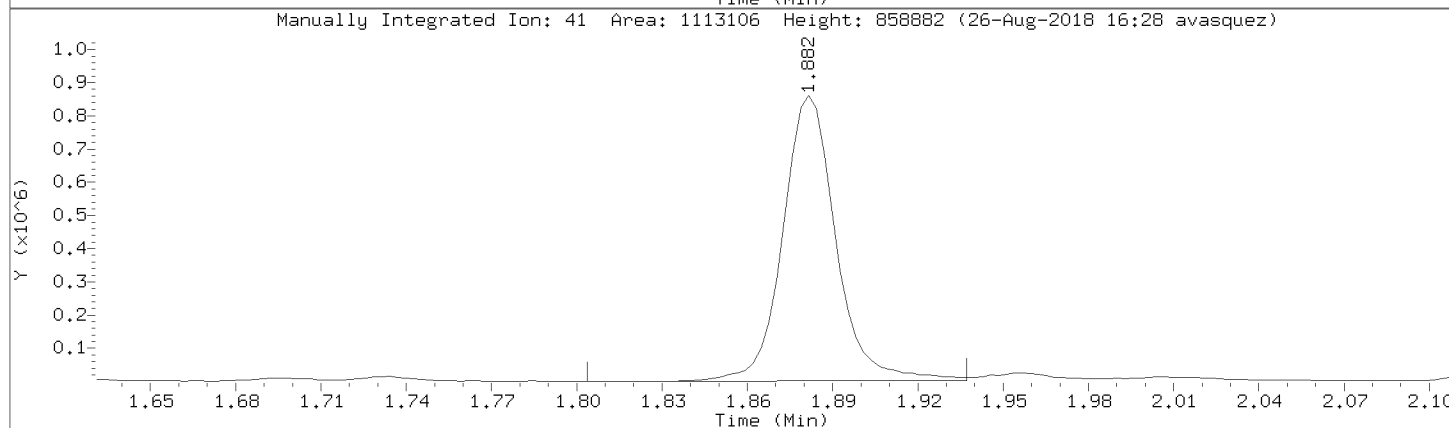
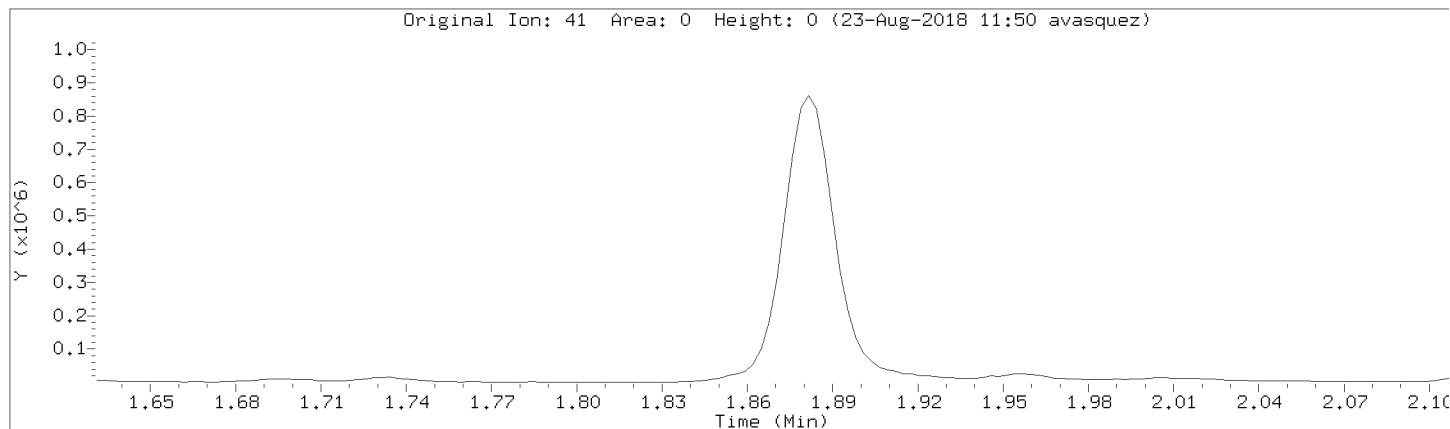


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Injection Date: 22-AUG-2018 18:07
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\09cal.d
Injection Date: 22-AUG-2018 18:07
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

Compound: allyl chloride Review Code: NI
CAS Number: 107-05-1



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a09cal.d

Injection Date: 22-AUG-2018 18:07

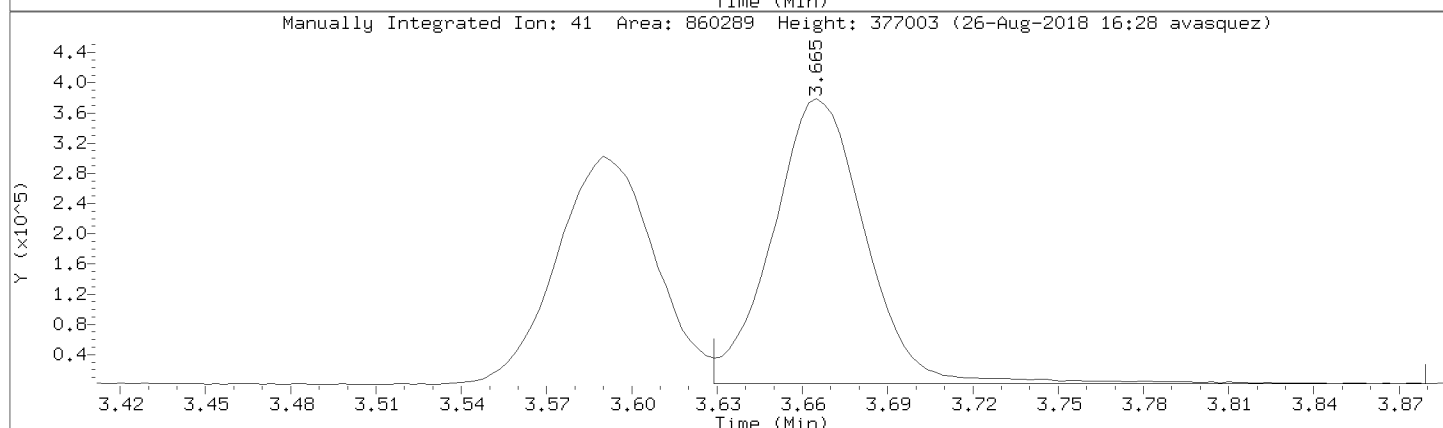
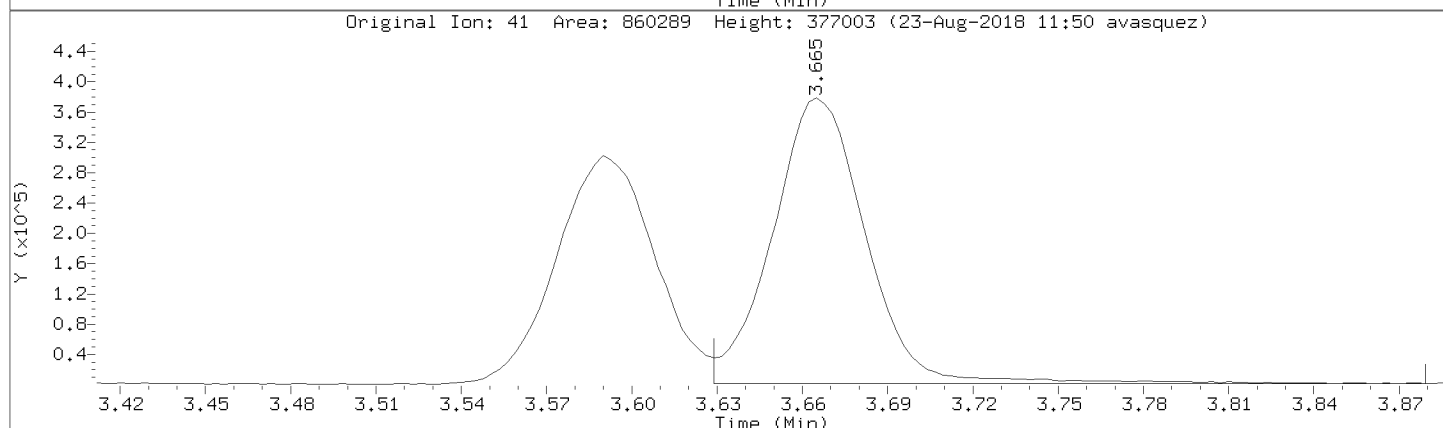
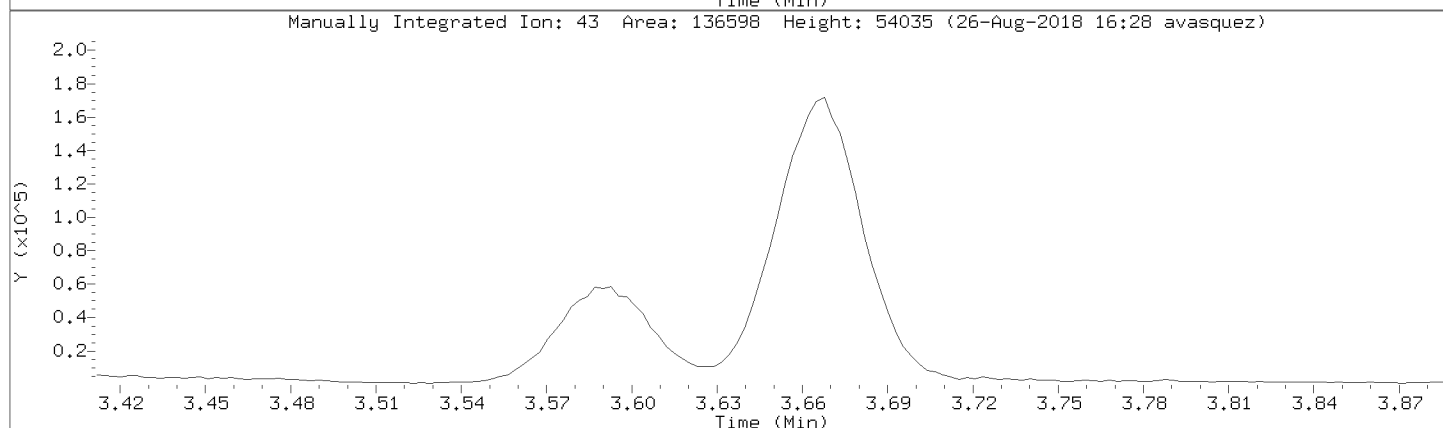
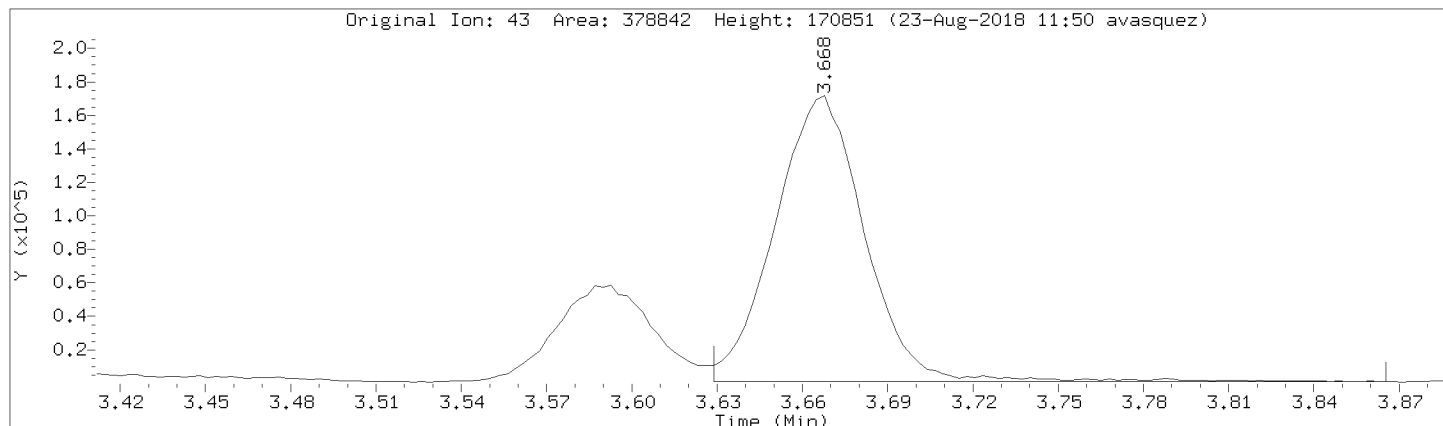
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

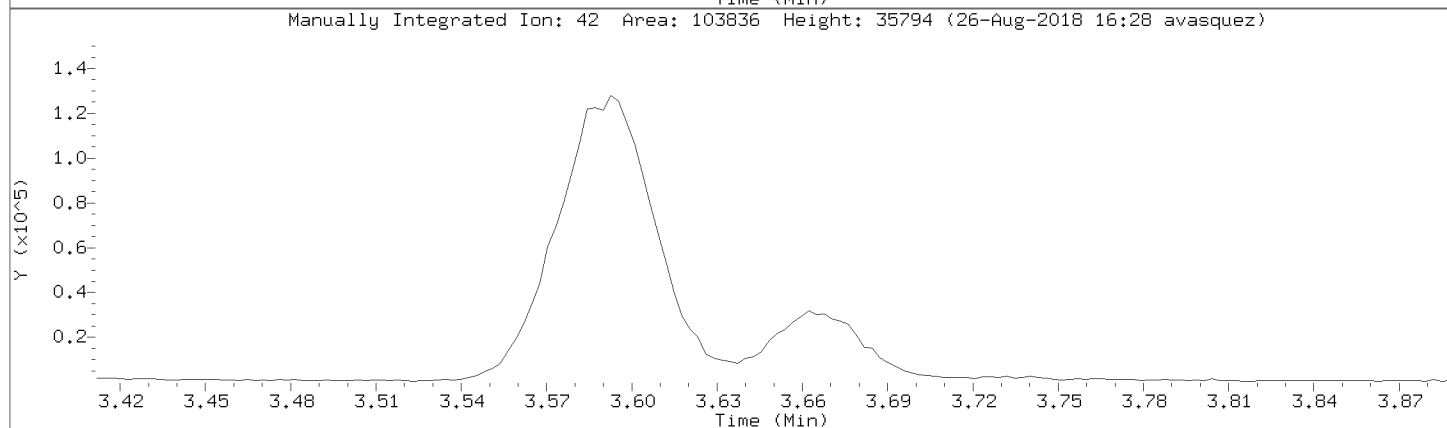
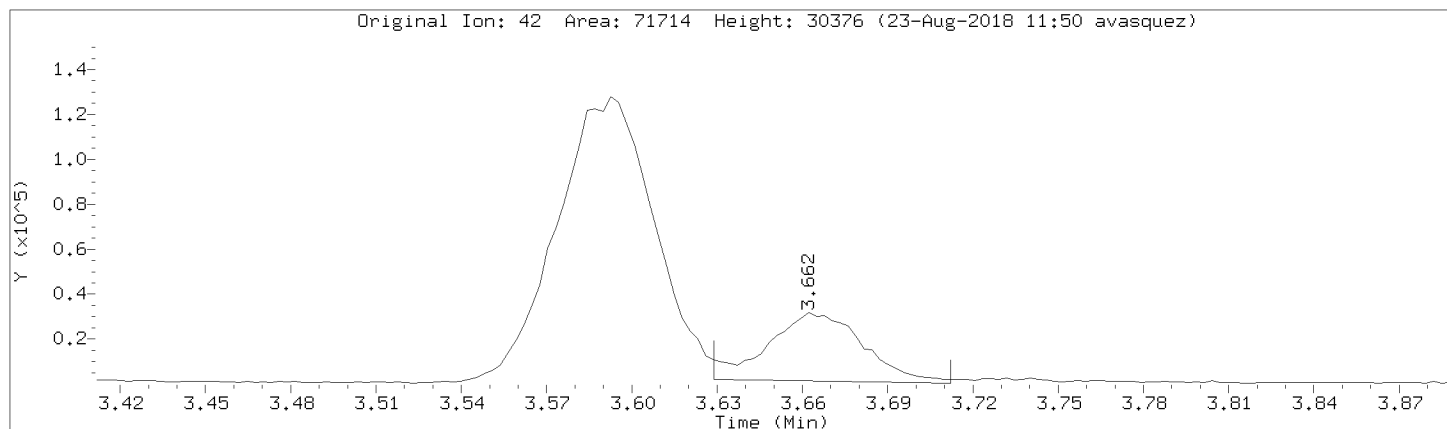
Compound: Isobutyl alcohol

Review Code: NI

CAS Number: 78-83-1

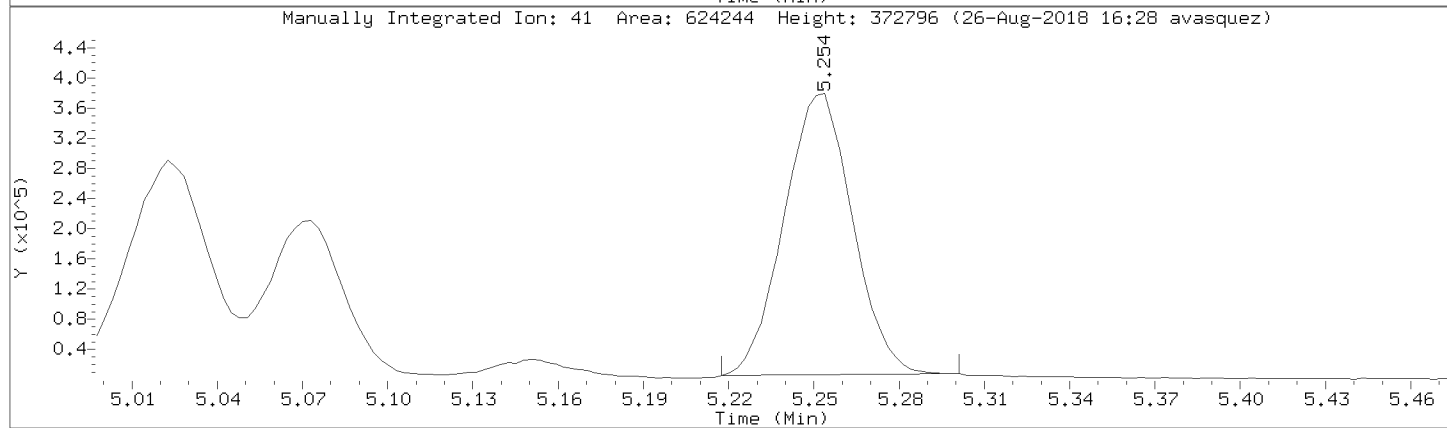
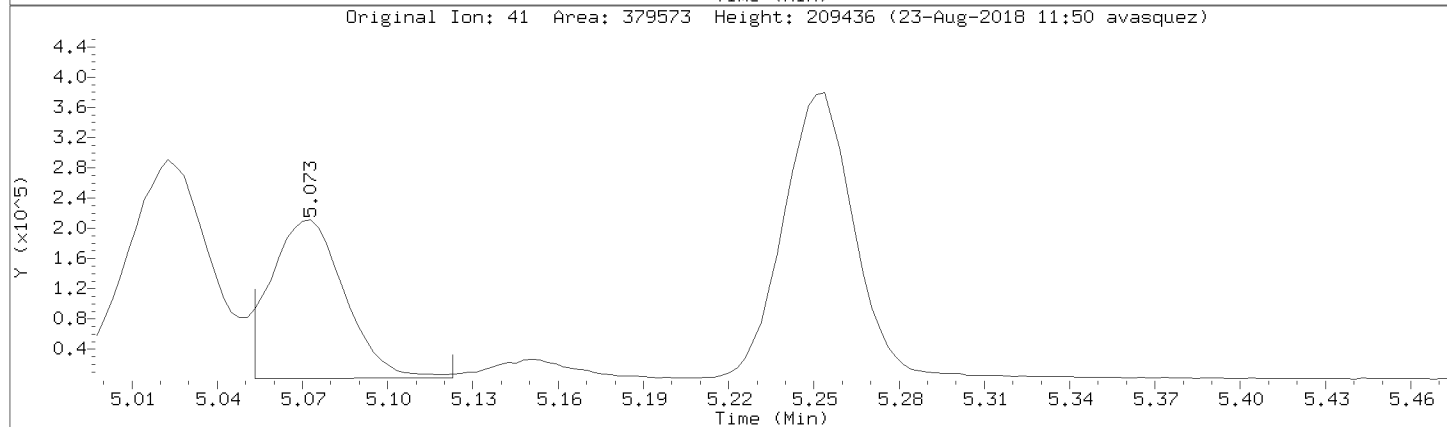
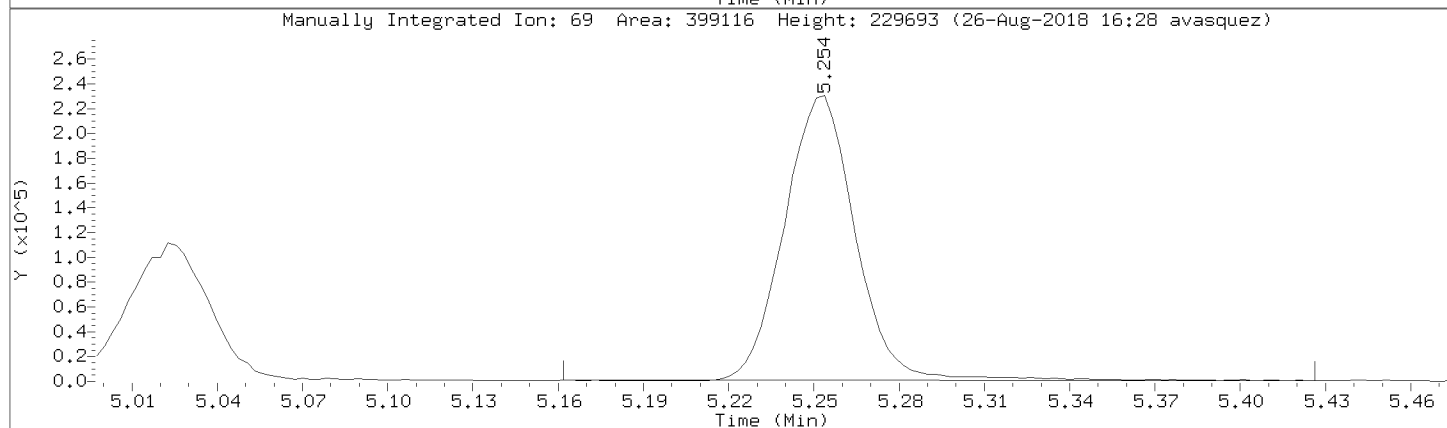
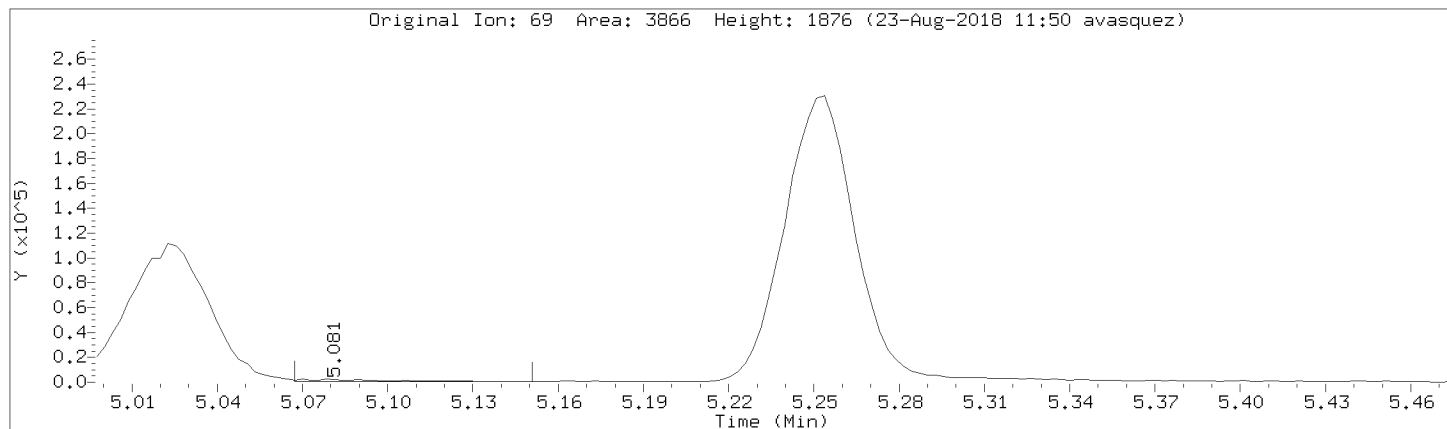


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

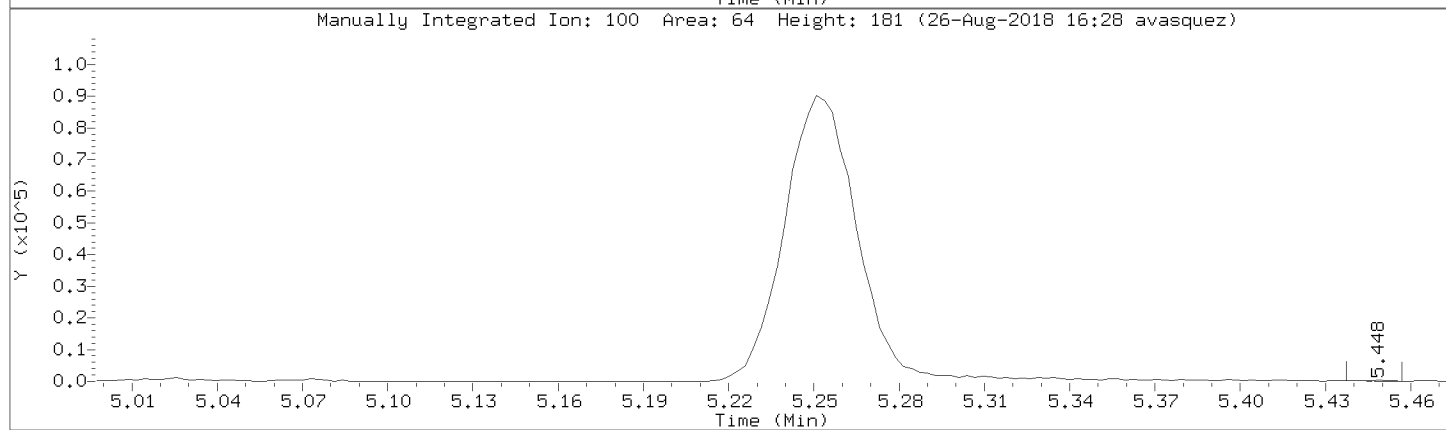
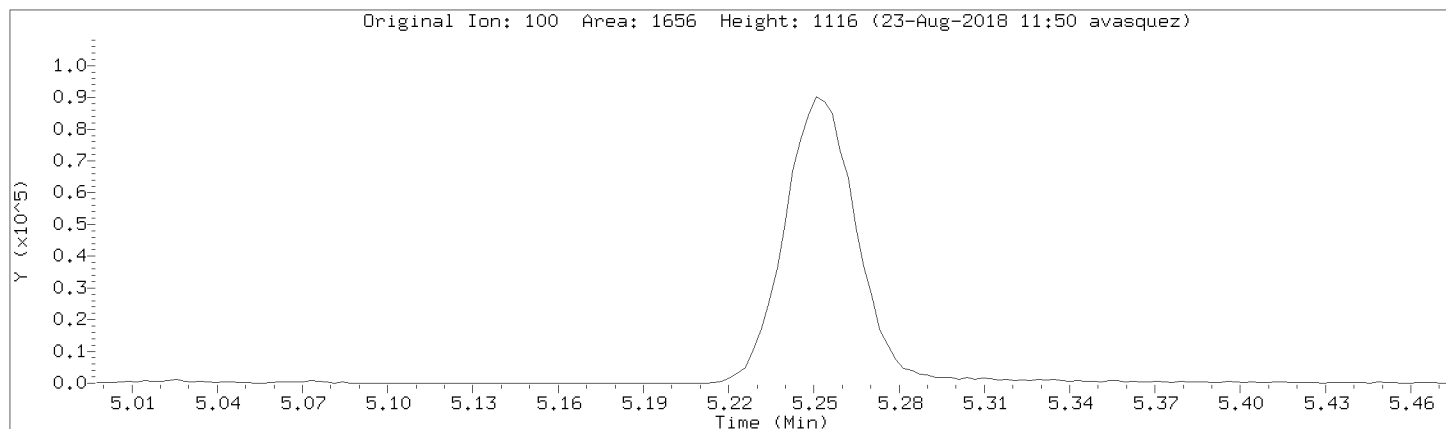


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Injection Date: 22-AUG-2018 18:07
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

Compound: Methyl methacrylate Review Code: NI
CAS Number: 80-62-6



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a09cal.d
Injection Date: 22-AUG-2018 18:07
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8



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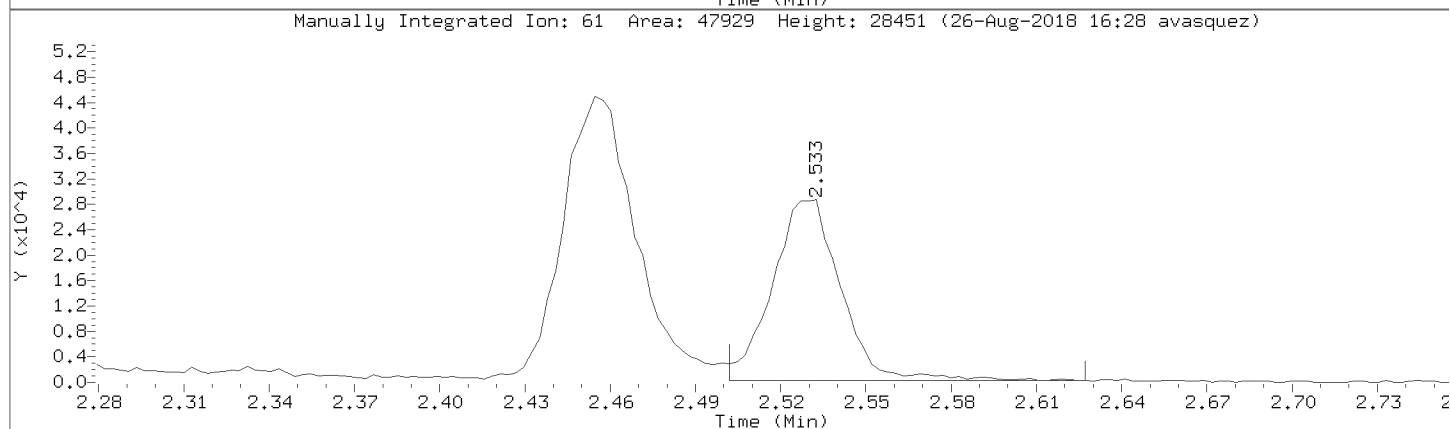
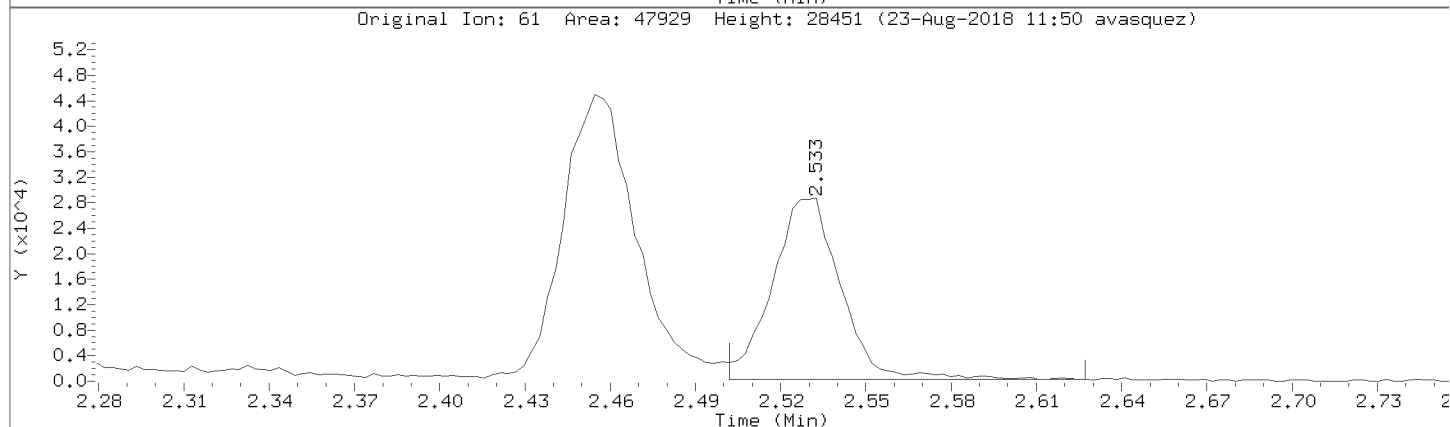
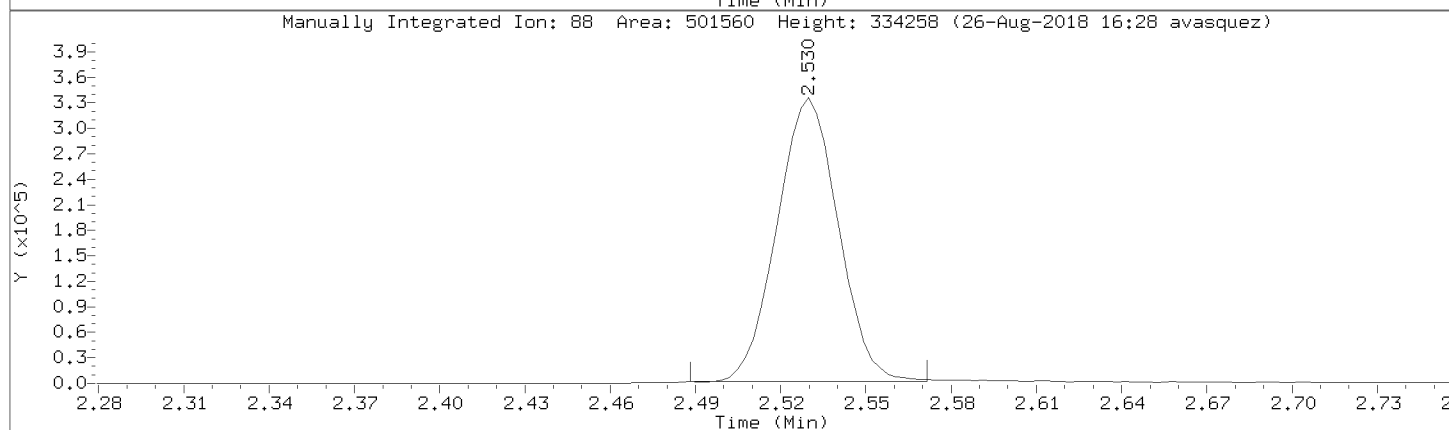
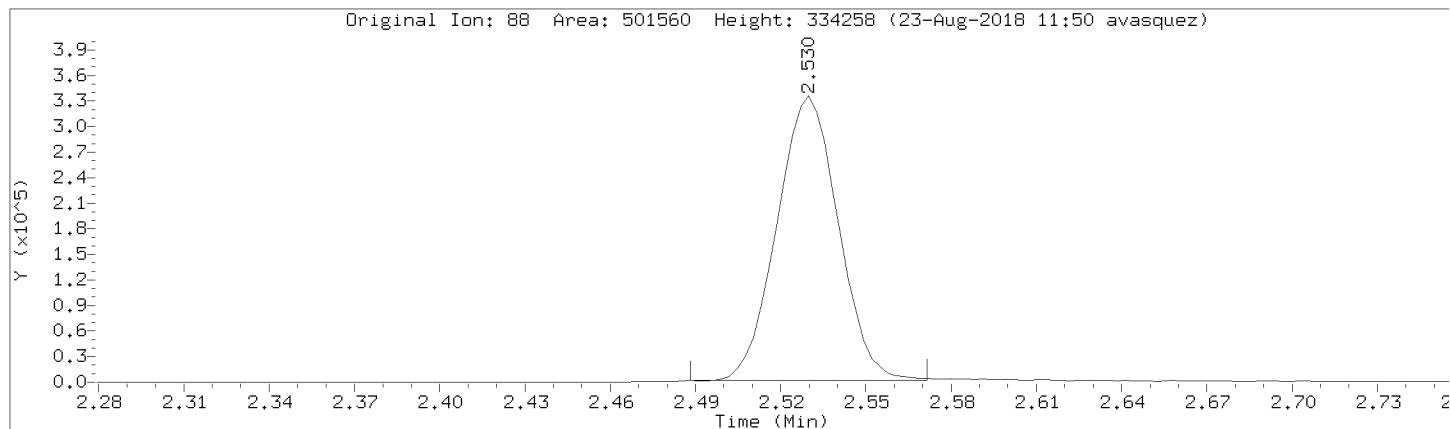
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

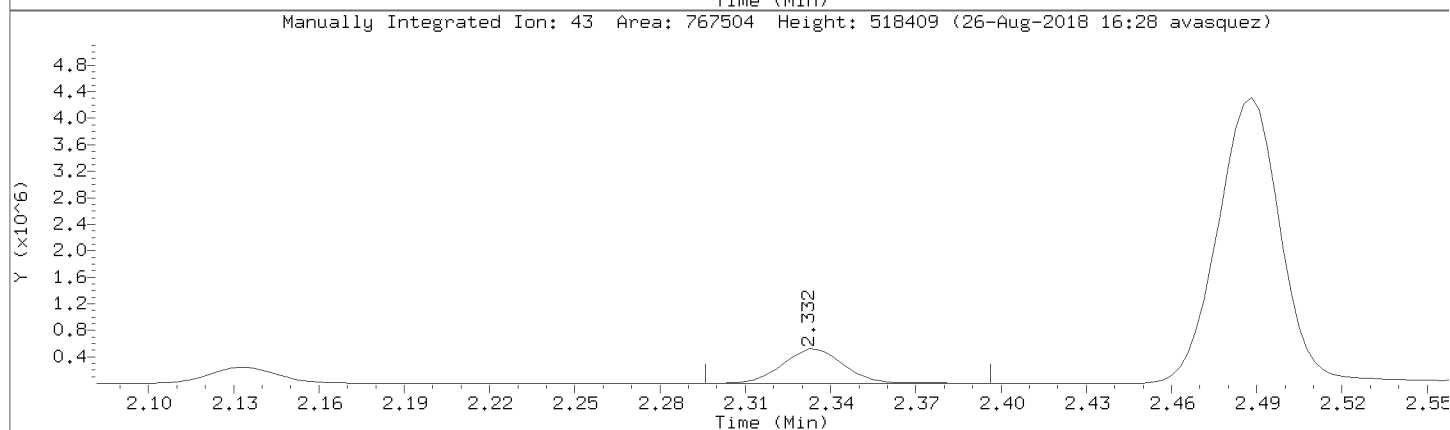
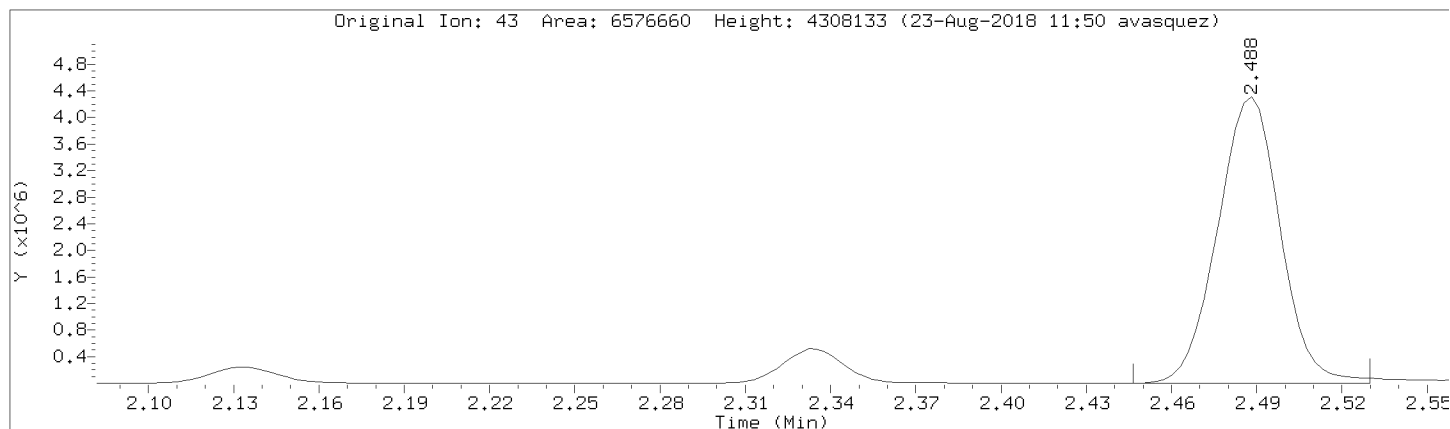
Compound: Ethyl acetate

Review Code: NI

CAS Number: 141-78-6



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a09cal.d
Injection Date: 22-AUG-2018 18:07
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8



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Injection Date: 22-AUG-2018 18:07

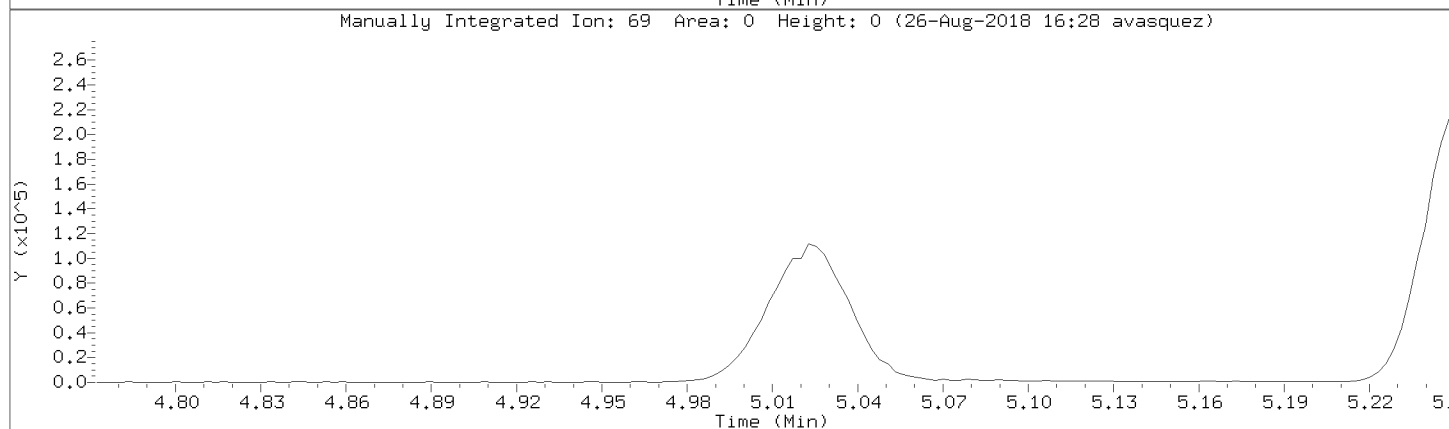
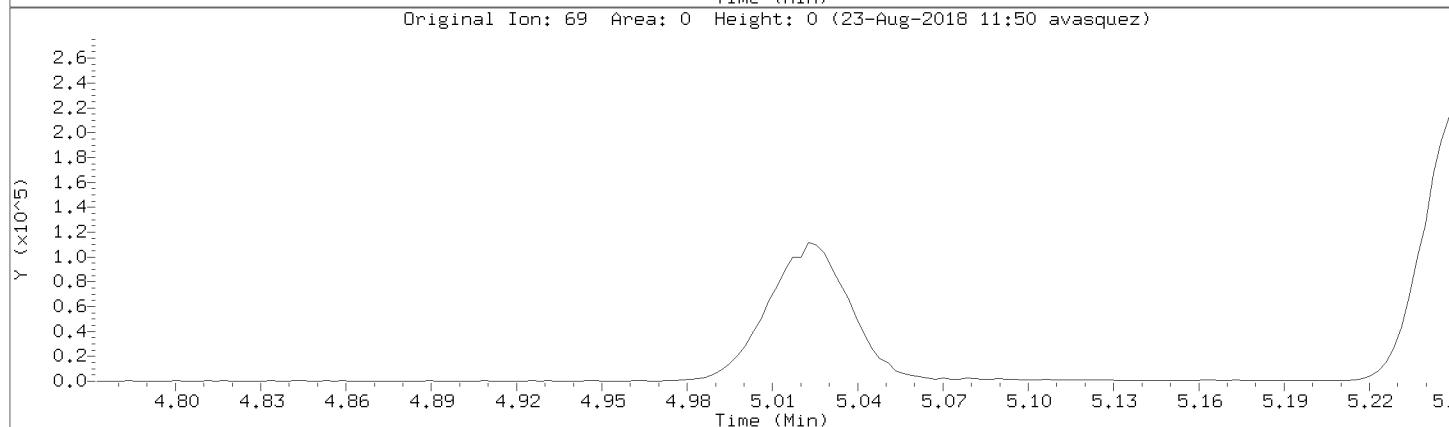
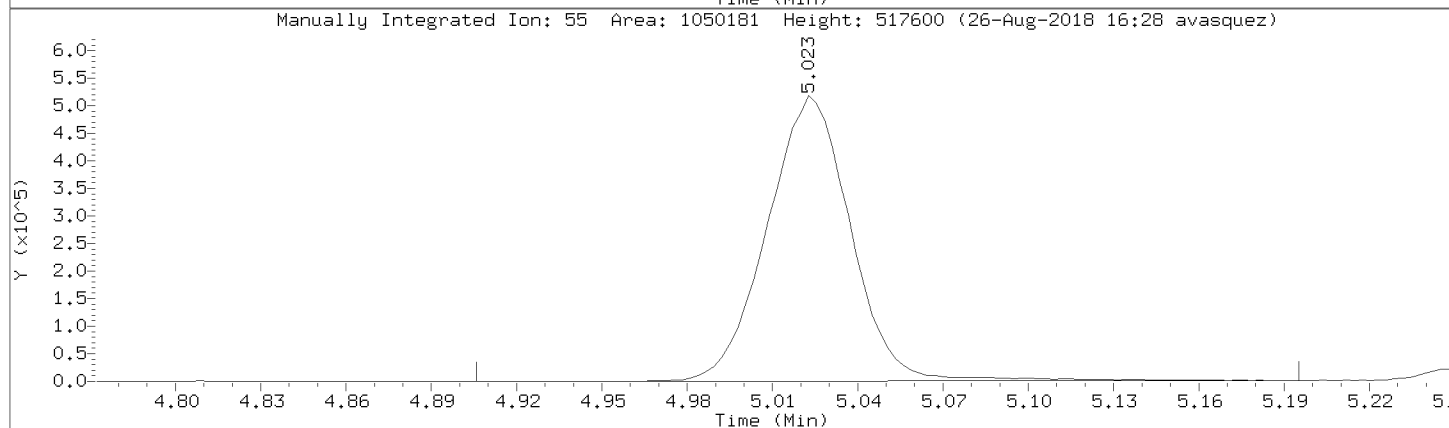
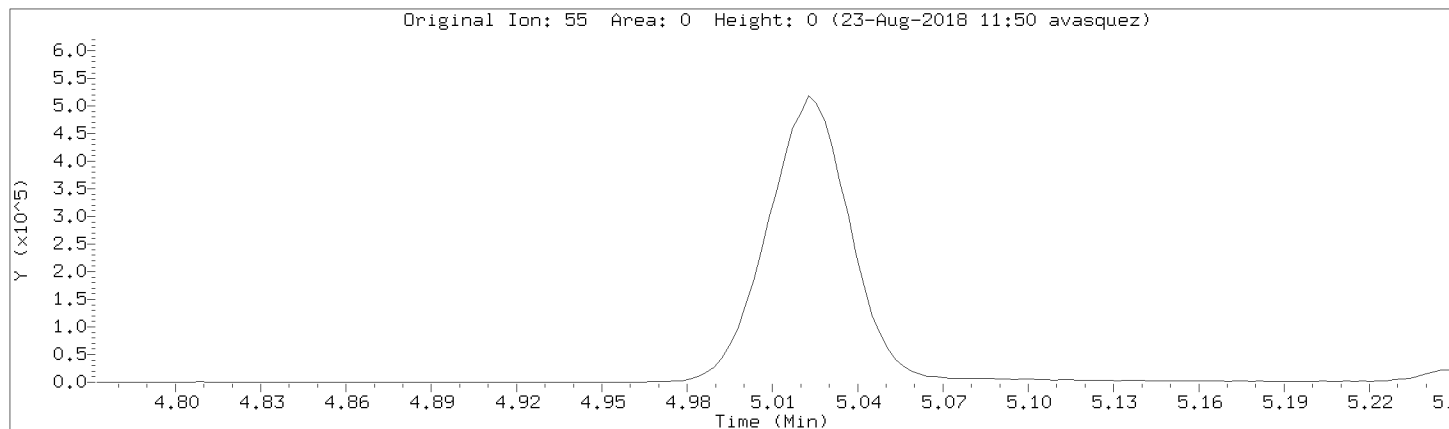
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

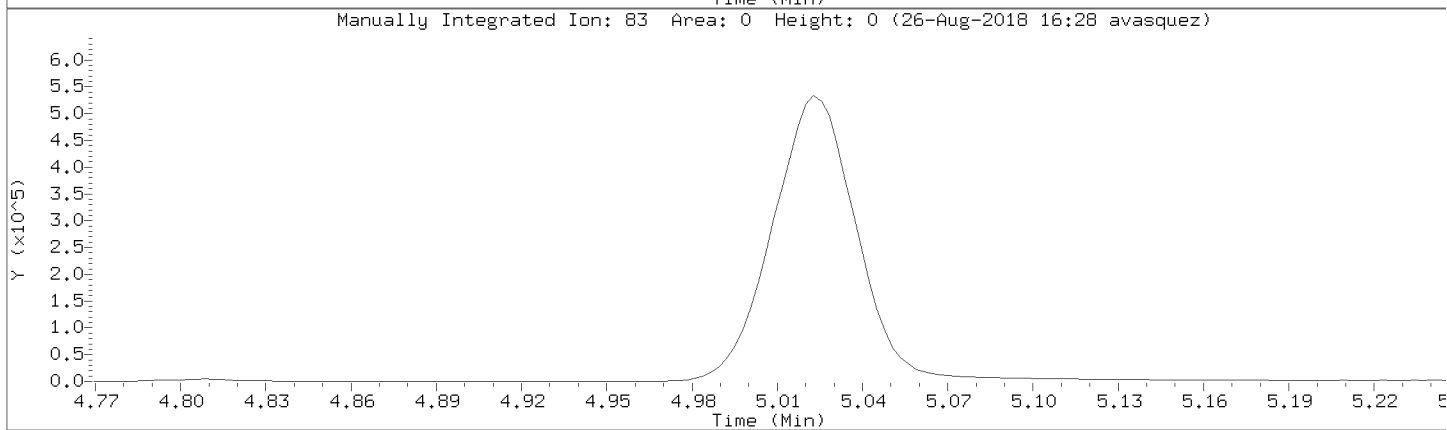
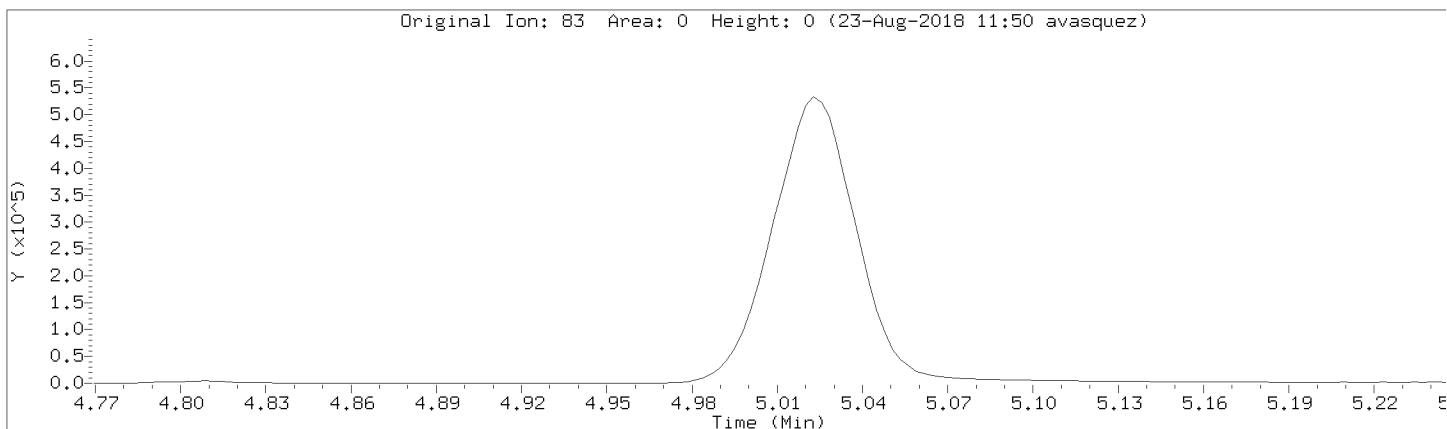
Compound: Methylcyclohexane

Review Code:

CAS Number: 108-87-2



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a09cal.d
Injection Date: 22-AUG-2018 18:07
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8



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Injection Date: 22-AUG-2018 18:07

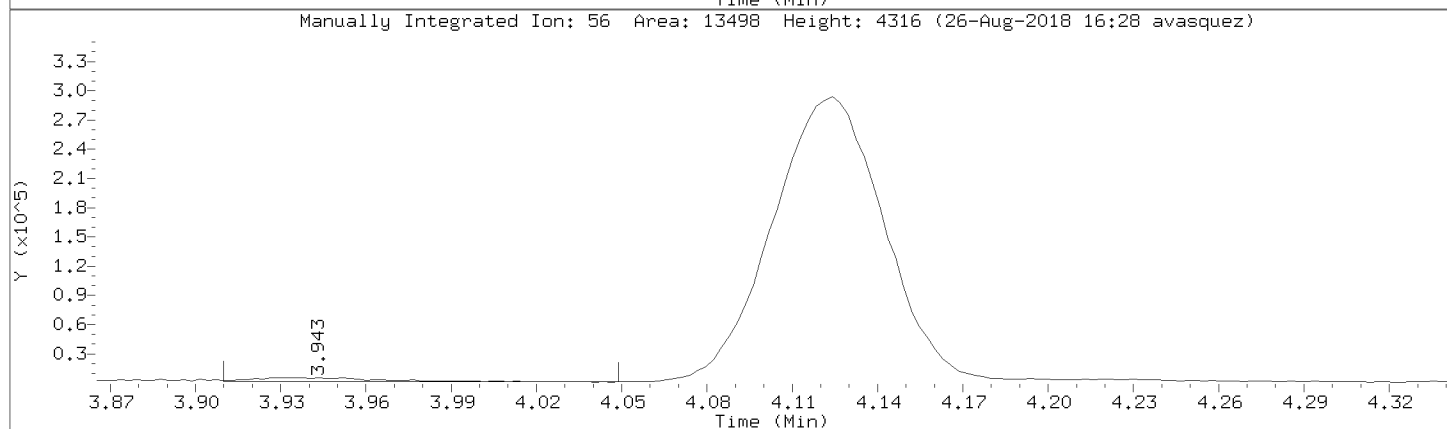
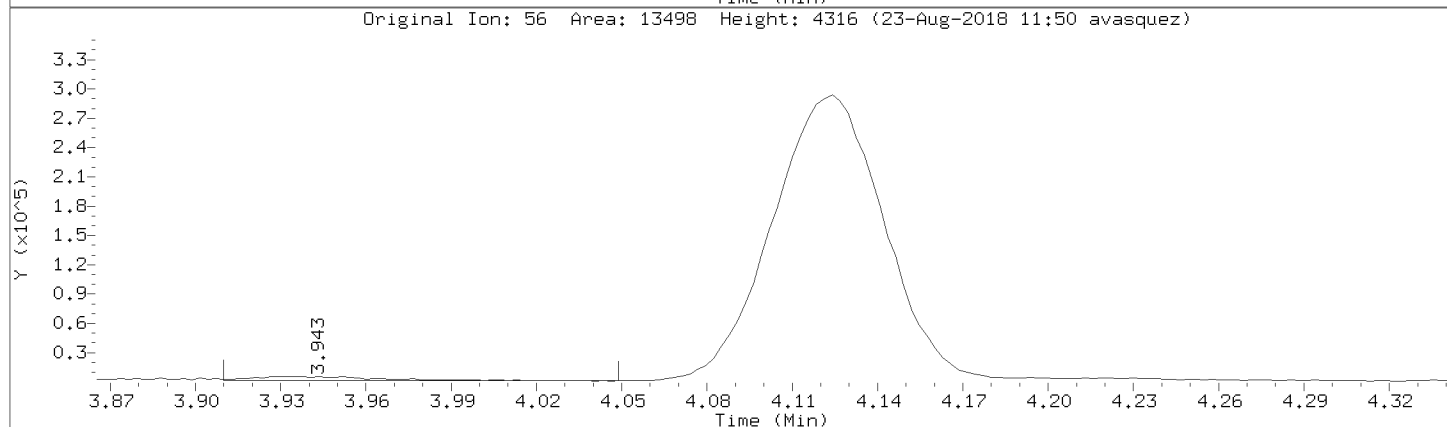
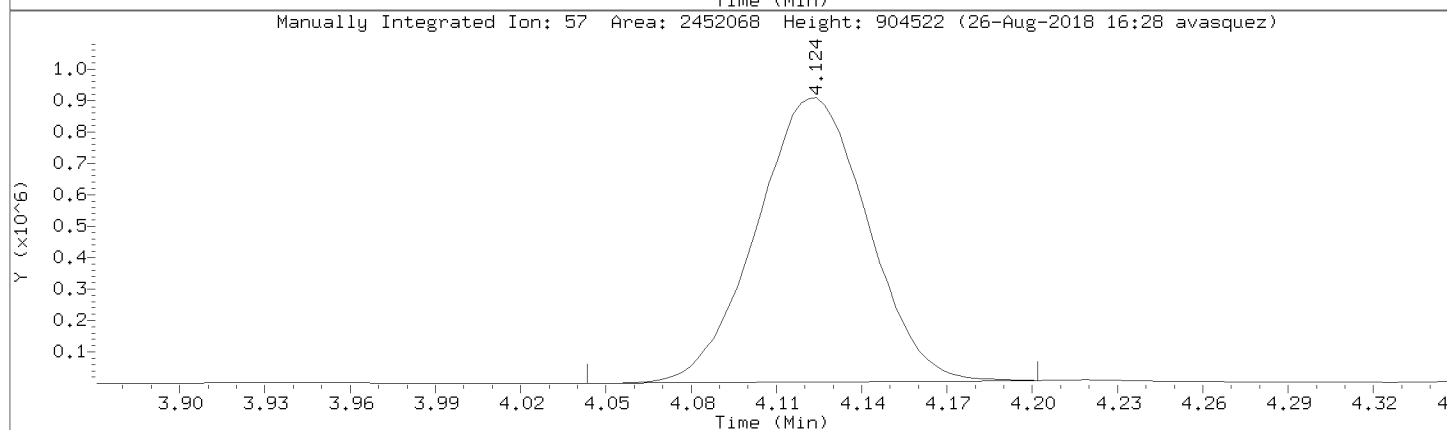
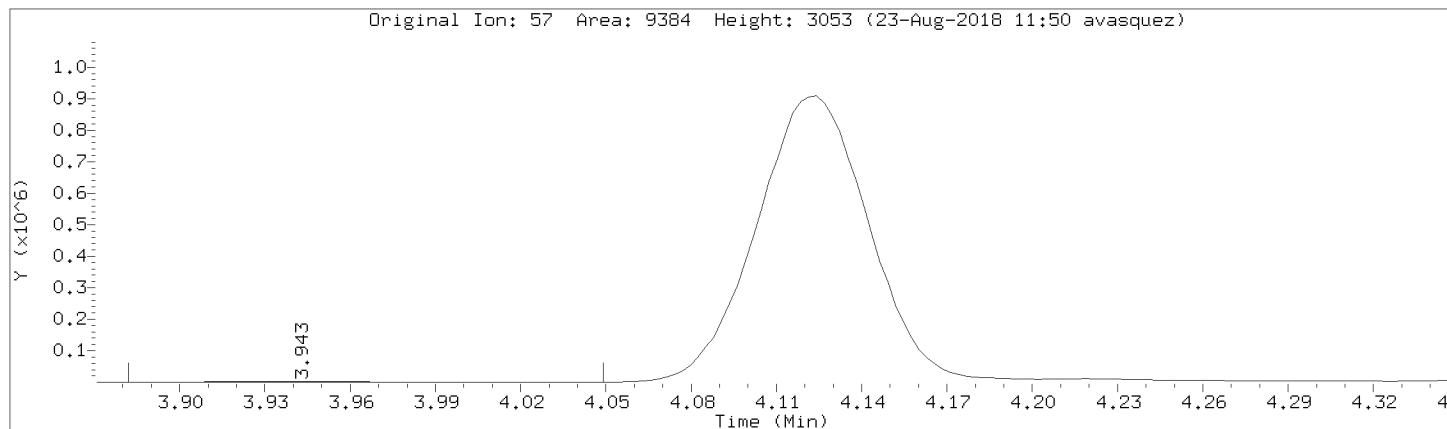
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

Compound: 2,2,4-Trimethylpentane

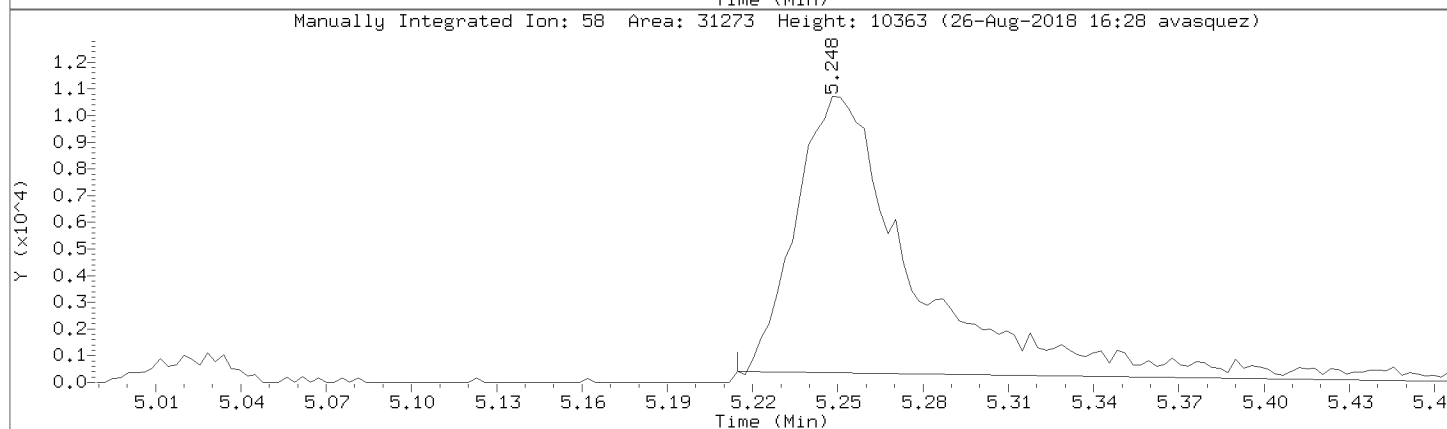
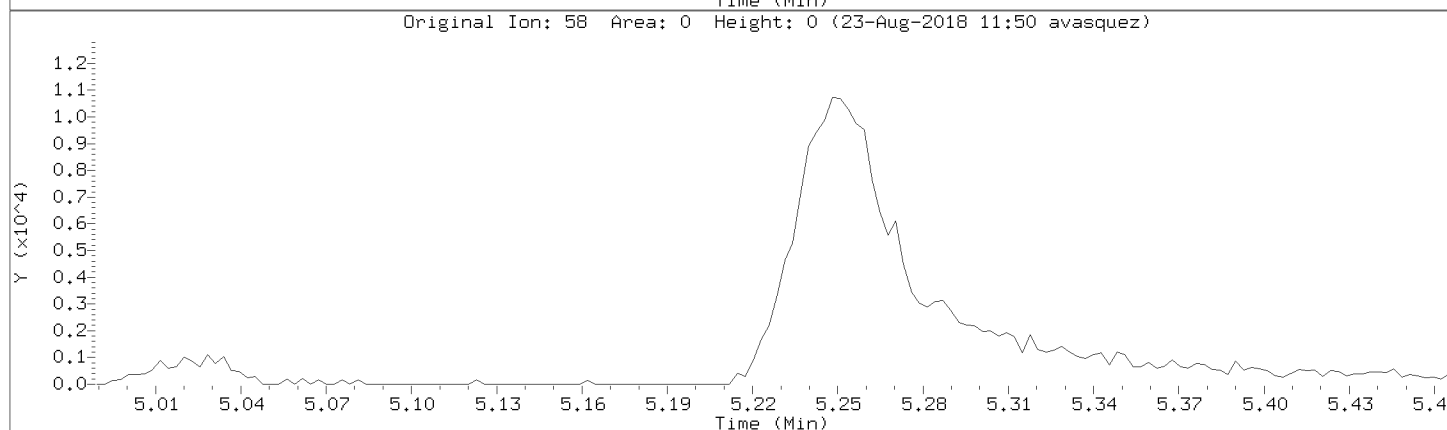
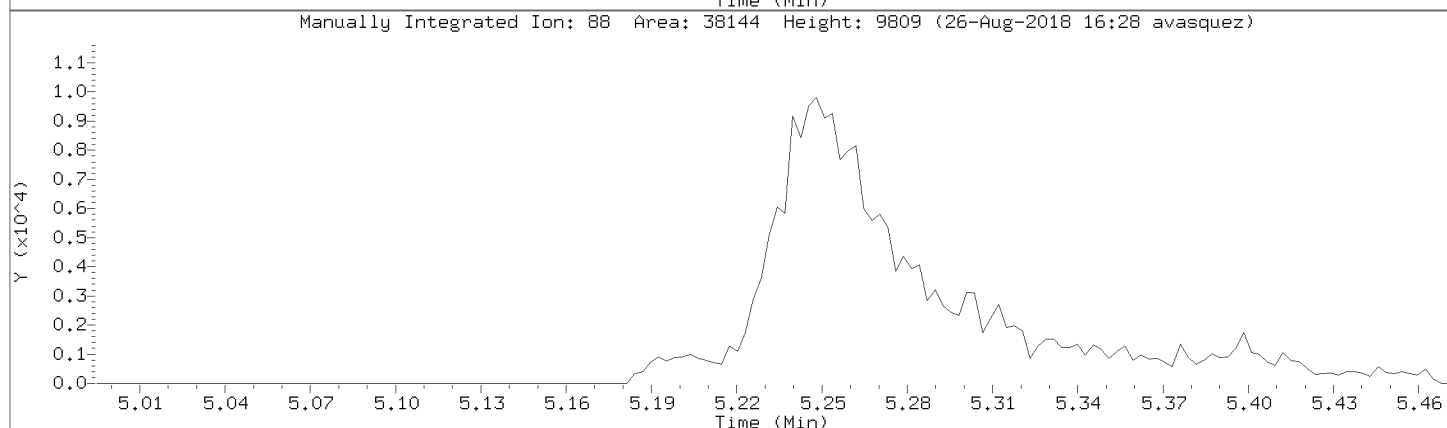
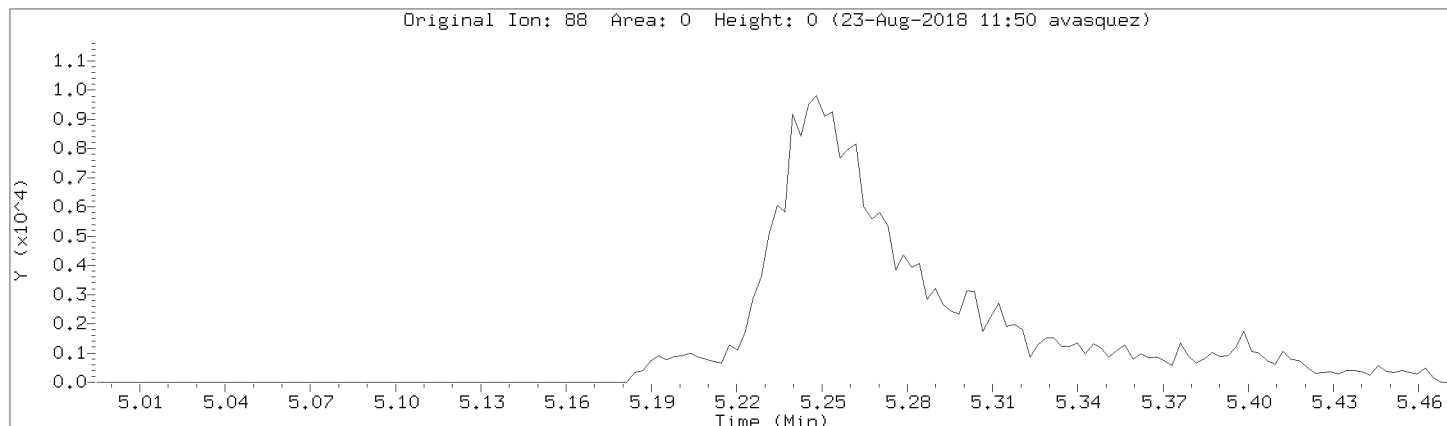
Review Code: NI

CAS Number: 540-84-1



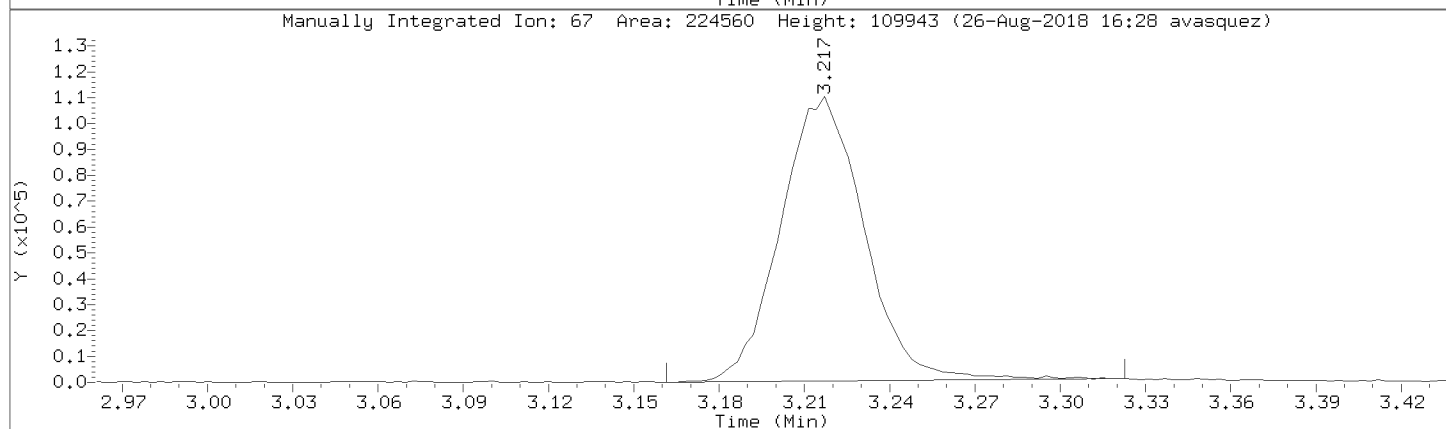
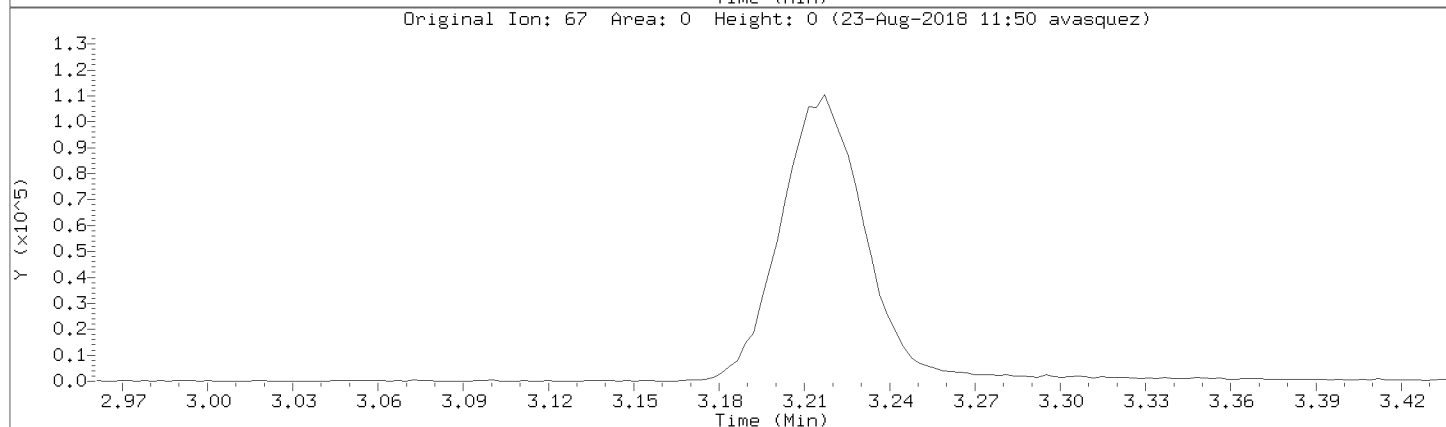
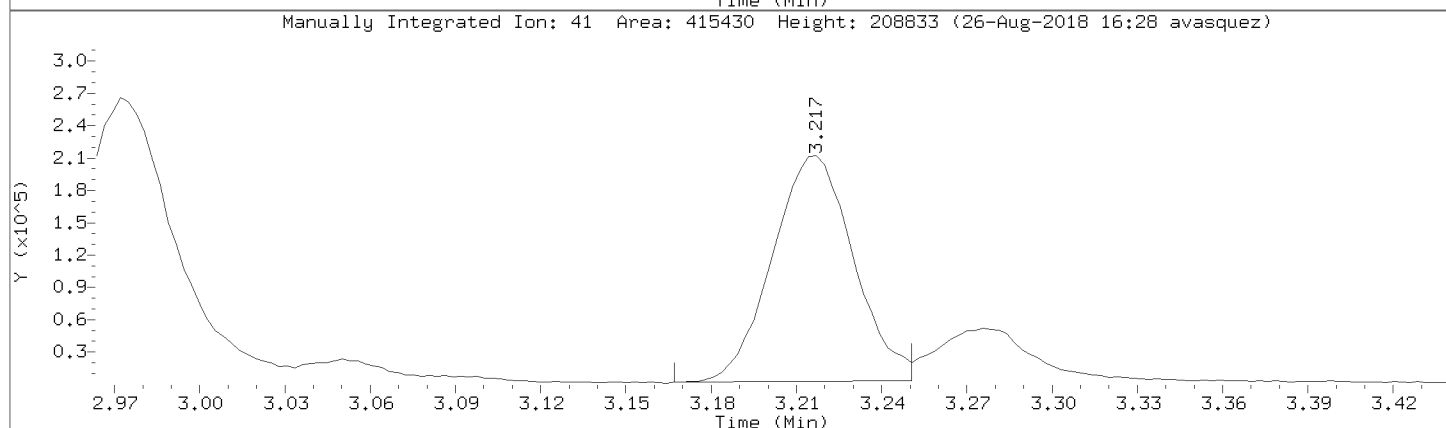
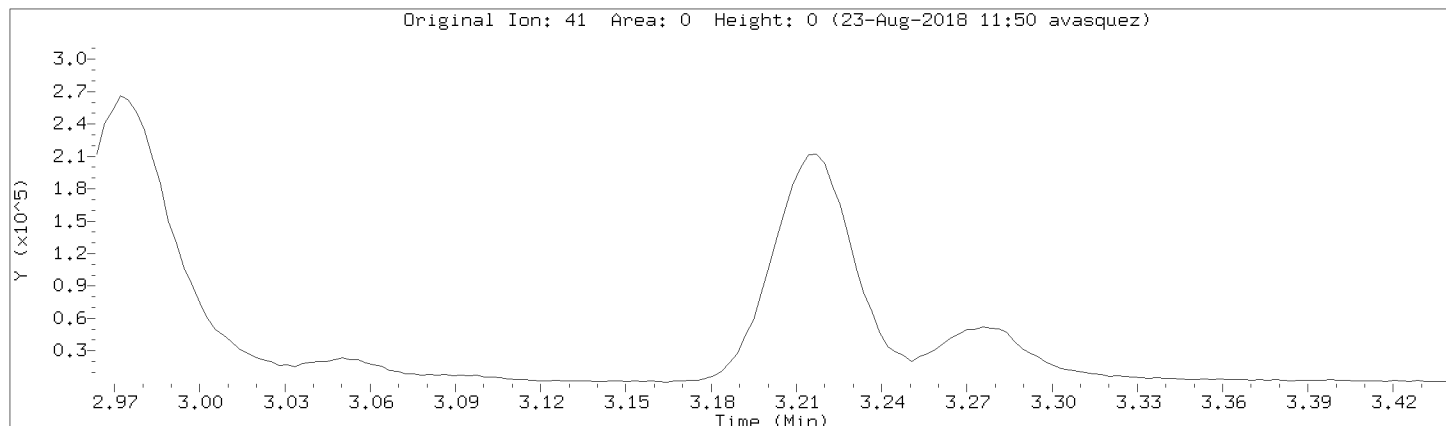
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Injection Date: 22-AUG-2018 18:07
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

Compound: 1,4-Dioxane Review Code: NI
CAS Number:

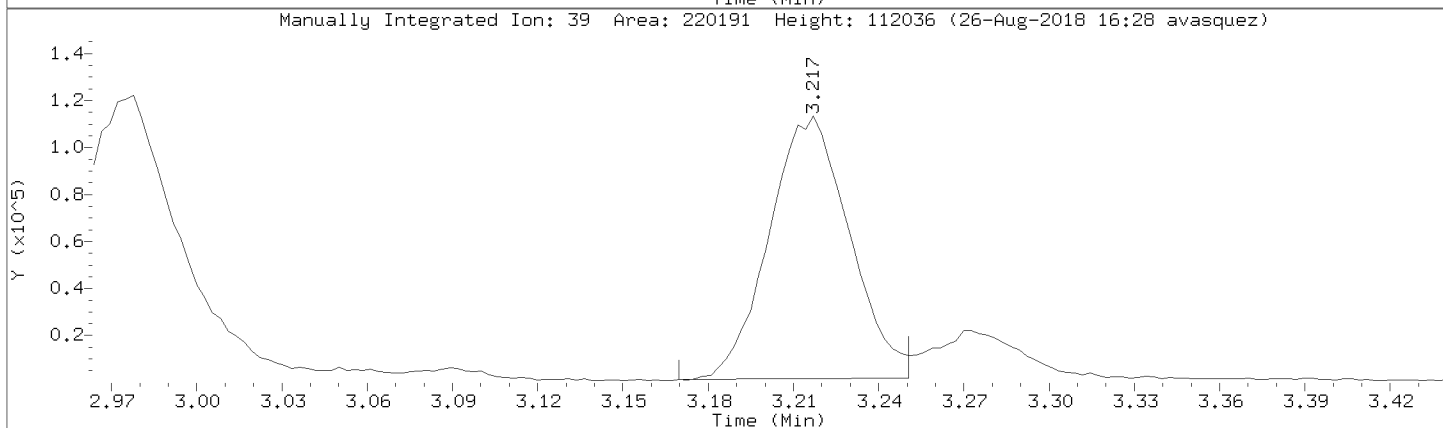
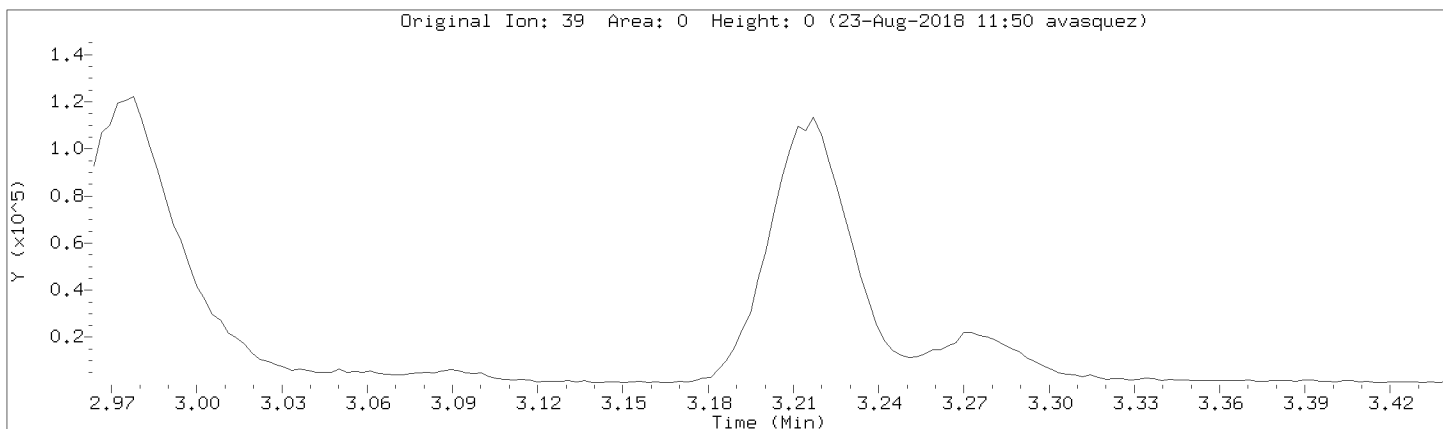


Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\09cal.d
Injection Date: 22-AUG-2018 18:07
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

Compound: Methacrylonitrile Review Code: NI
CAS Number: 126-98-7



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a09cal.d
Injection Date: 22-AUG-2018 18:07
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\09cal.d

Injection Date: 22-AUG-2018 18:07

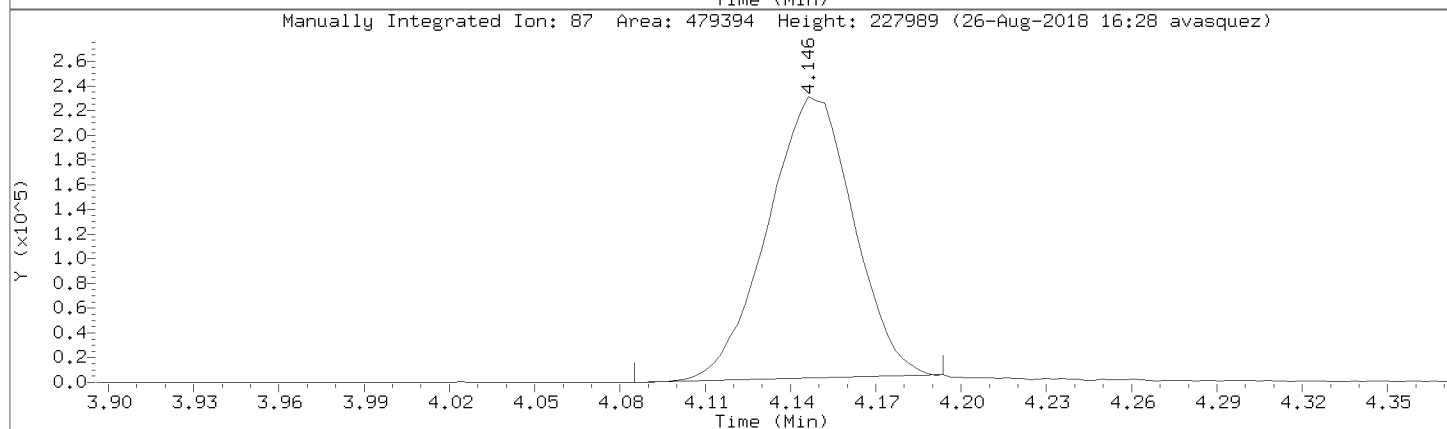
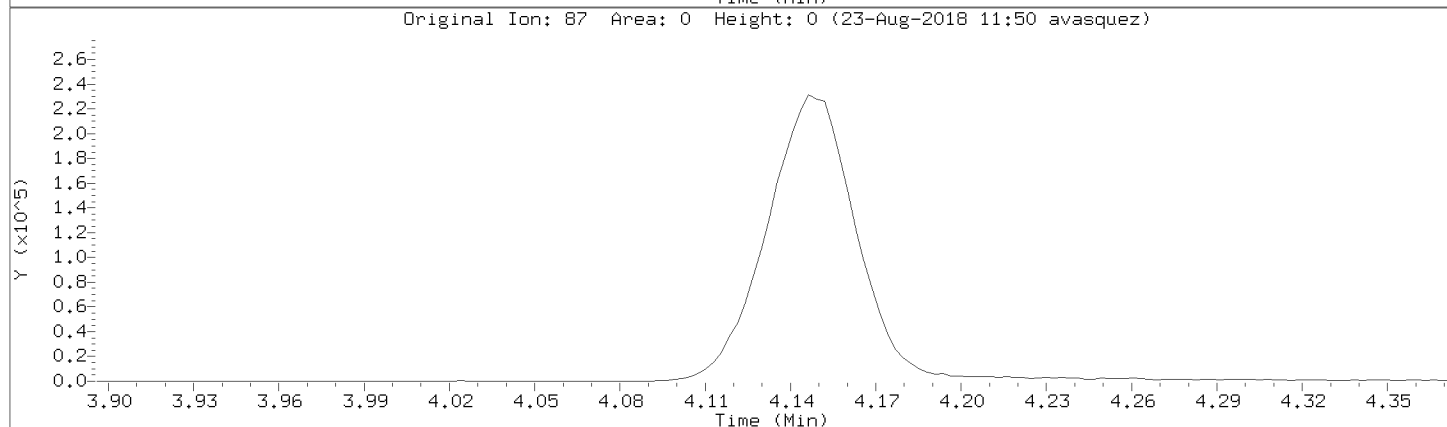
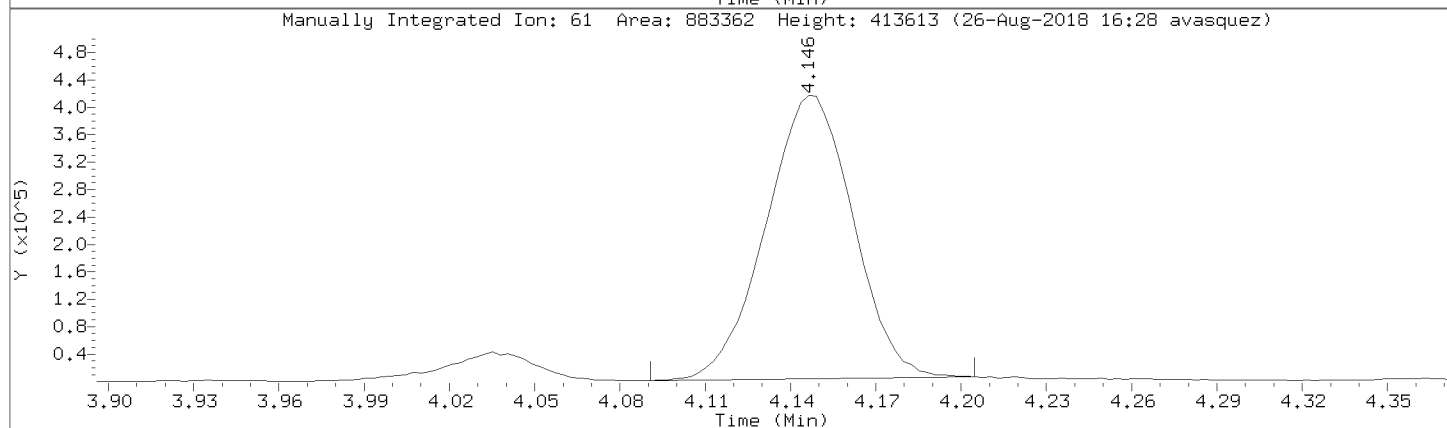
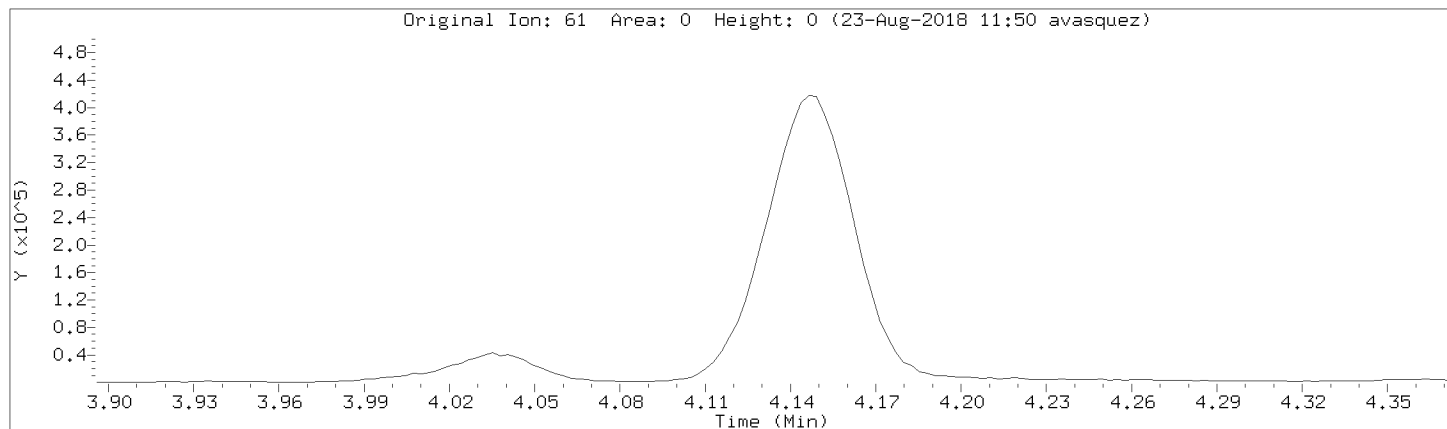
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

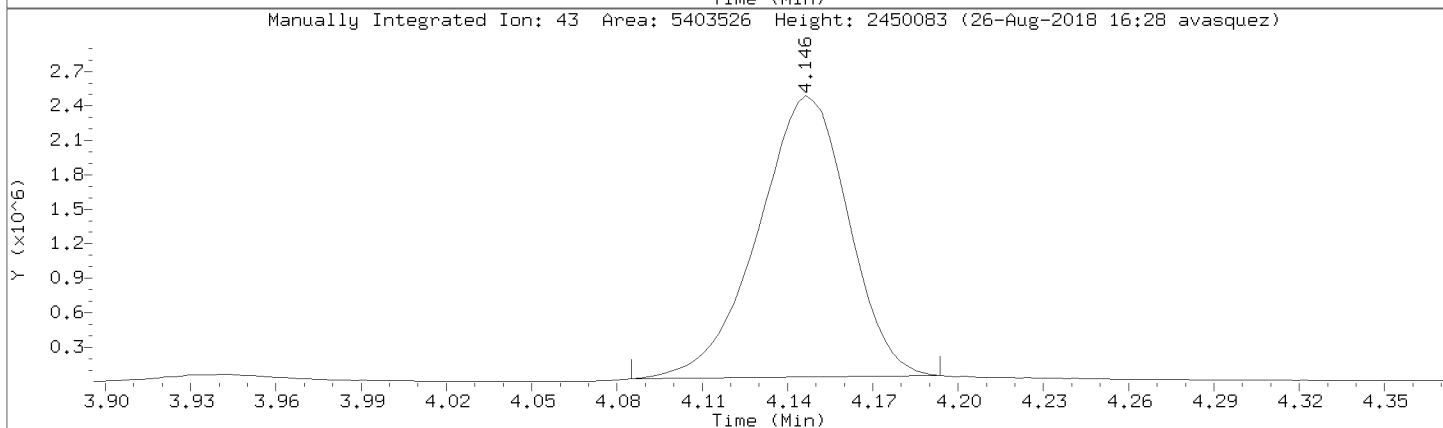
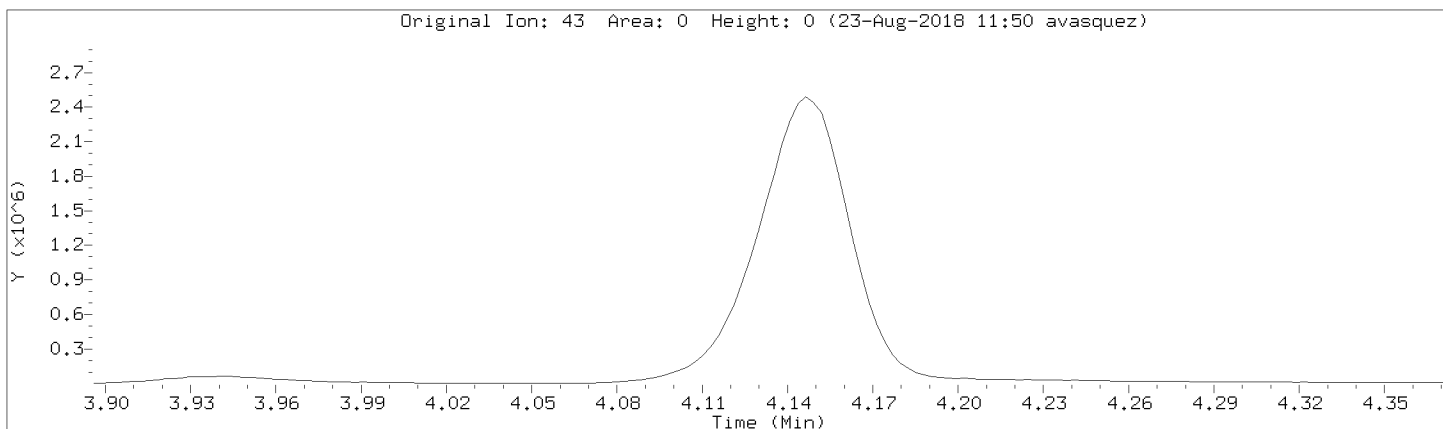
Compound: isopropyl acetate

Review Code: NI

CAS Number: 108-21-4



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a09cal.d
Injection Date: 22-AUG-2018 18:07
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a09cal.d

Injection Date: 22-AUG-2018 18:07

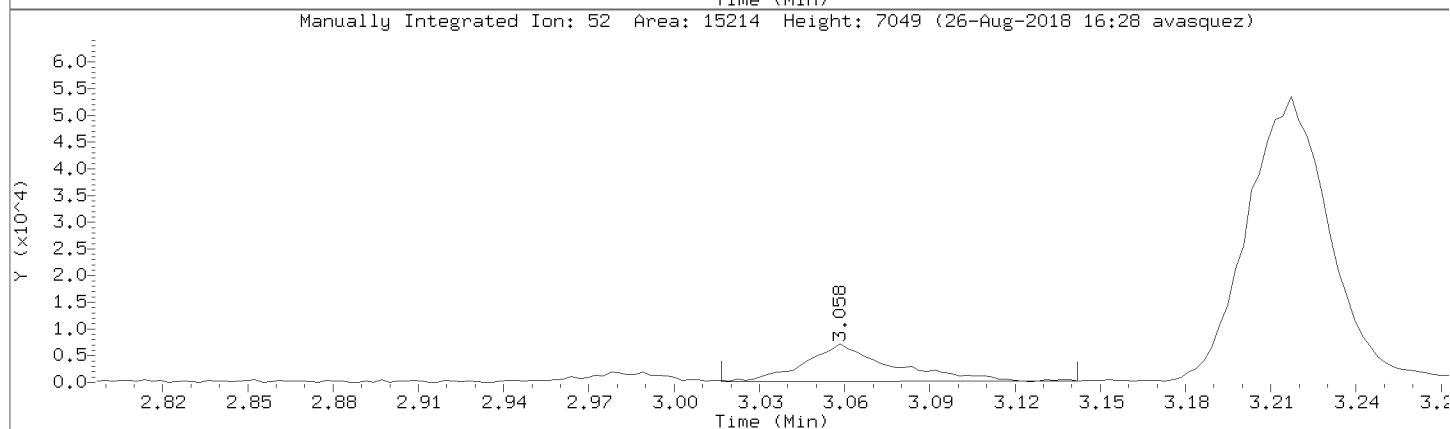
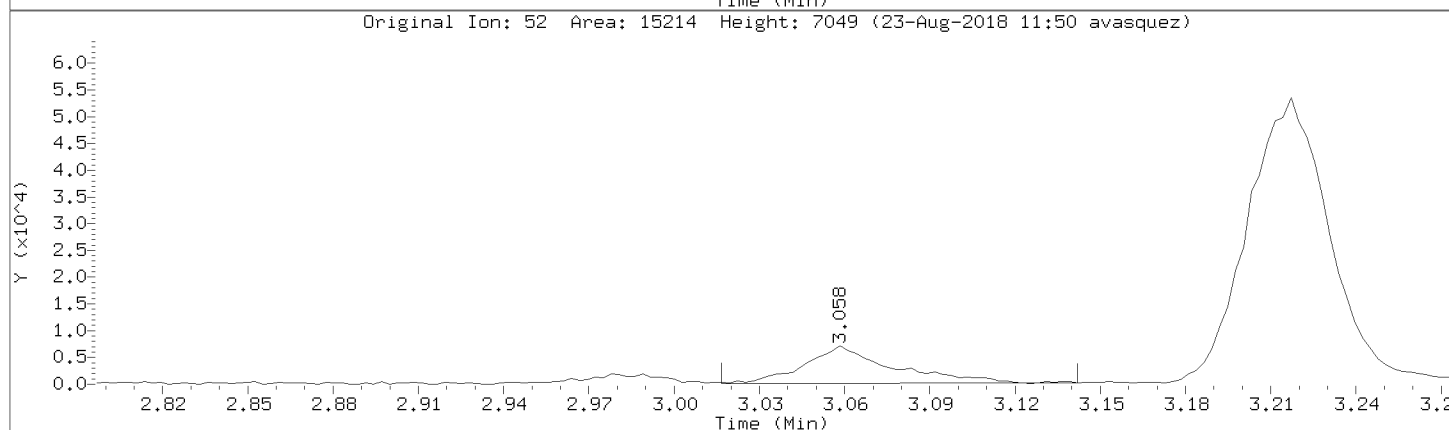
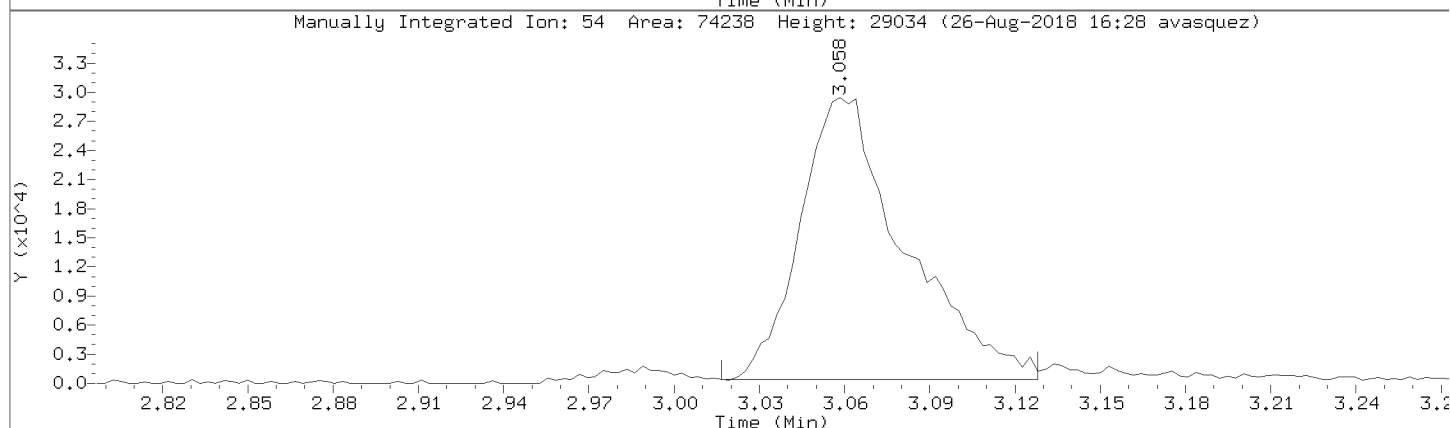
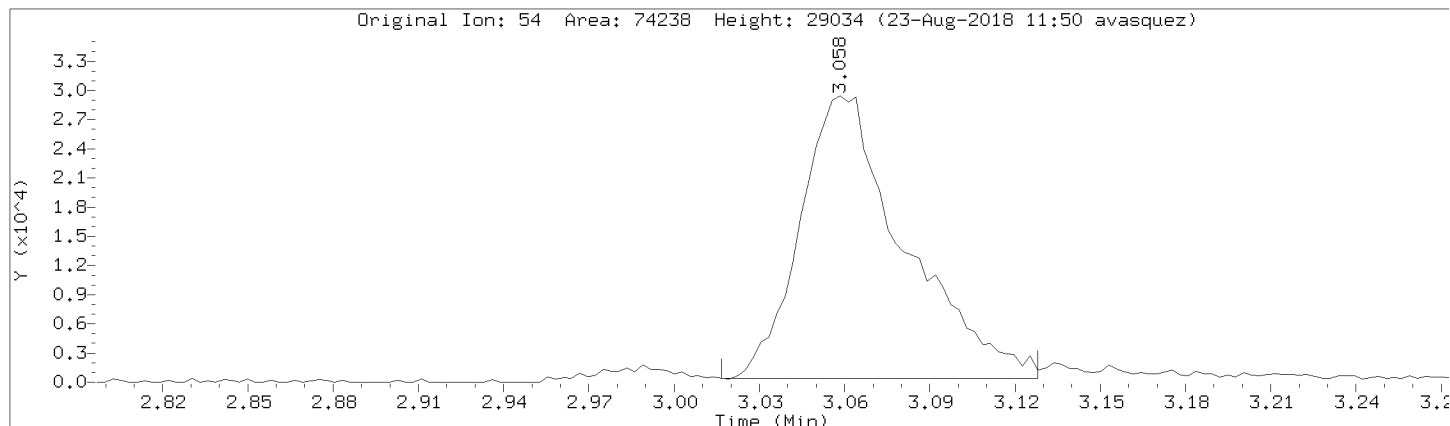
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

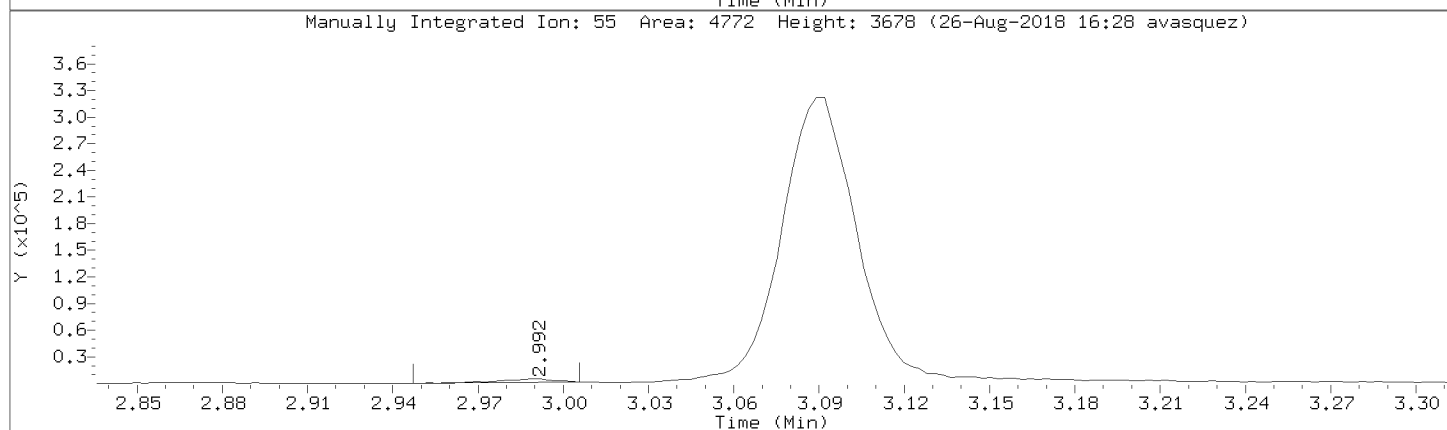
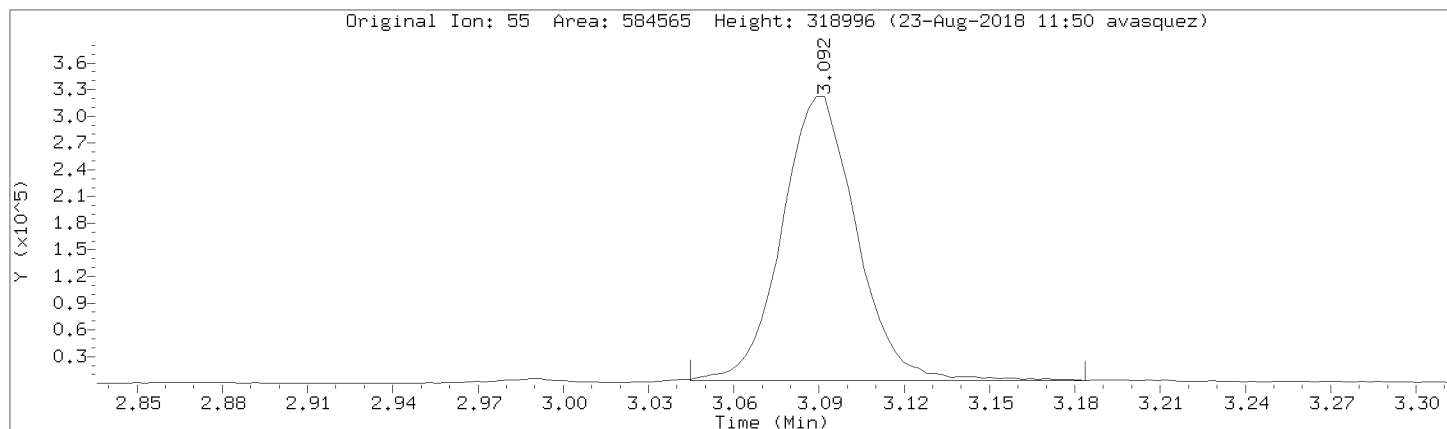
Compound: Propionitrile

Review Code:

CAS Number: 107-12-0



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a09cal.d
Injection Date: 22-AUG-2018 18:07
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a09cal.d

Injection Date: 22-AUG-2018 18:07

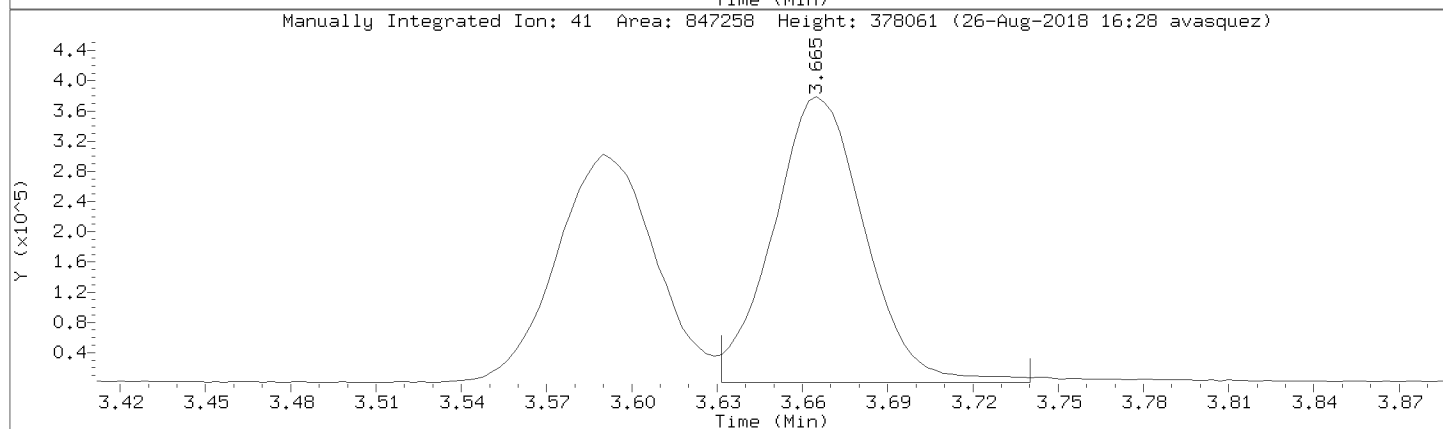
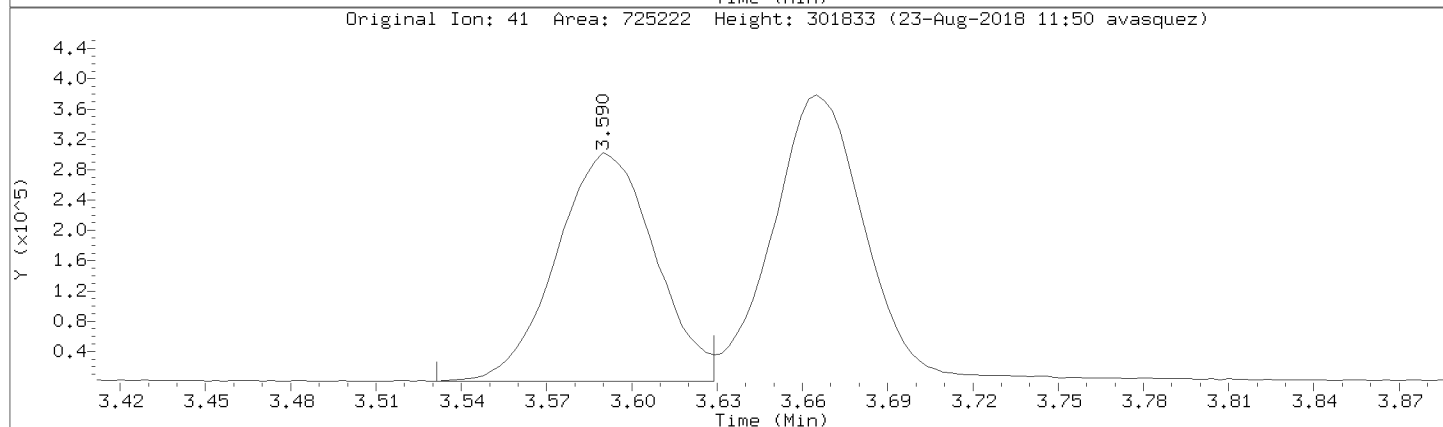
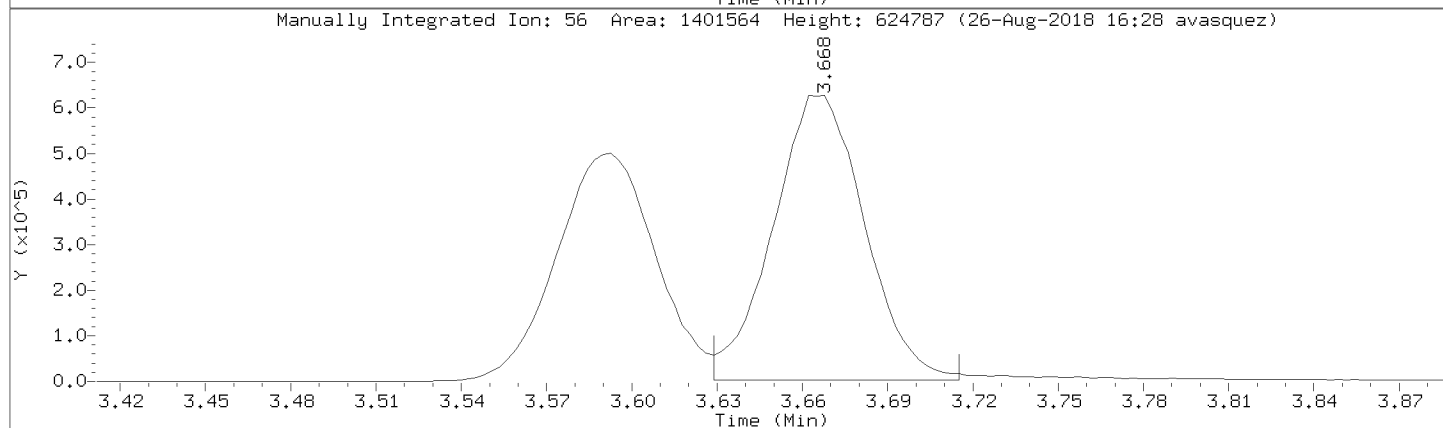
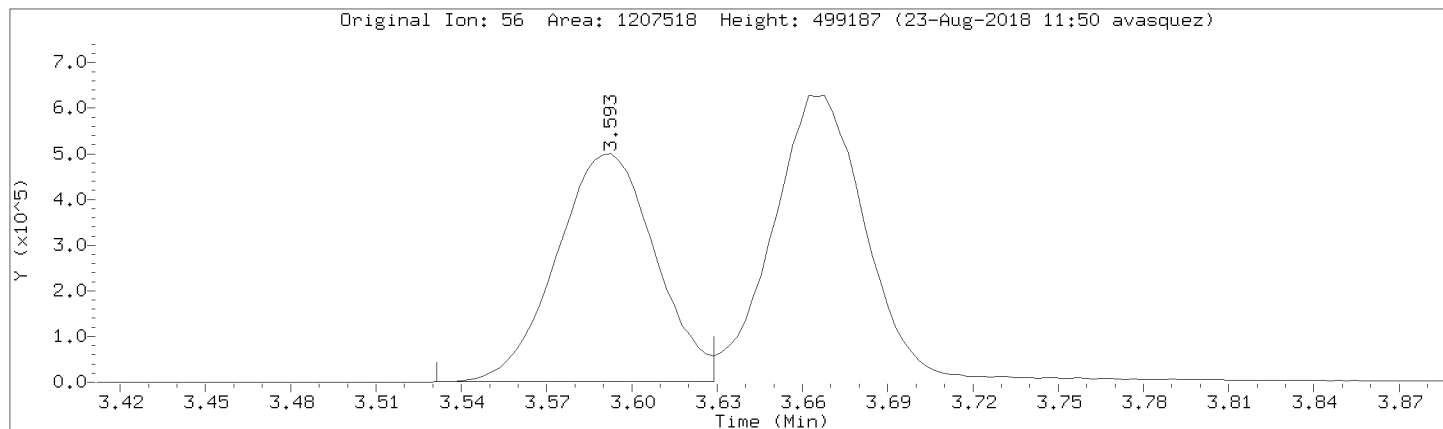
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

Compound: n-butyl chloride

Review Code: NI

CAS Number: 109-69-3



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6a.i\a082818cal.b\a01.d
 Lab Smp Id: 8260-CAL1 Client Smp ID: 8260-CAL1
 Inj Date : 28-AUG-2018 14:20
 Operator : ala Inst ID: 50mv6a.i
 Smp Info : 8260-call,184847:0
 Misc Info : 117677
 Comment :
 Method : \\192.168.50.6\chem\50mv6a.i\a082818cal.b\ -a8260sl_a_c.m
 Meth Date : 29-Aug-2018 11:10 aallison Quant Type: ISTD
 Cal Date : 15-AUG-2018 16:38 Cal File: a10.d
 Als bottle: 2 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)
1 Dichlorodifluoromethane	85		0.916	0.916	(0.228)	708	0.75000	0.710 (M)	
2 Chloromethane	50		0.996	0.996	(0.248)	862	0.75000	0.768 (M)	
3 Vinyl Chloride	62		1.039	1.039	(0.258)	632	0.75000	0.583 (M)	
4 Bromomethane	94		1.178	1.173	(0.293)	832	0.75000	0.907	
5 Chloroethane	64		1.221	1.221	(0.303)	474	0.75000	0.708 (M)	
6 Trichlorofluoromethane	101		1.328	1.328	(0.330)	875	0.75000	0.598	
8 Diethyl ether	74		1.446	1.446	(0.359)	297	0.75000	0.683 (M)	
7 1,2-dichlorotrifluoroethane	67		1.462	1.462	(0.363)	988	0.75000	0.857 (M)	
9 Acrolein	56		1.515	1.515	(0.377)	1985	15.00000	14.6	
10 1,1,2trichlorotrifluoroethane	101		1.563	1.558	(0.389)	574	0.75000	0.647 (M)	
12 Acetone	43		1.579	1.579	(0.393)	1927	3.75000	8.38 (M)	
143 Acetonitrile	39		1.751	1.751	(0.435)	1669	0.75000	0.949 (M)	
15 allyl chloride	41		1.751	1.751	(0.435)	2504	1.50000	2.03	
19 Acrylonitrile	53		1.954	1.954	(0.486)	758	3.00000	3.17	
20 Methyl-tert-butyl ether	73		1.975	1.975	(0.491)	1184	0.75000	0.650 (M)	
32 Chloroform	83		3.045	3.045	(0.757)	1228	0.75000	0.982	
\$ 33 Dibromofluoromethane (S)	113		3.211	3.216	(0.798)	23676	50.00000	53.2	
39 Benzene	78		3.623	3.623	(0.900)	1745	0.75000	0.690 (M)	
* 41 Fluorobenzene	96		4.024	4.024	(1.000)	66004	50.00000		
\$ 51 Toluene-d8	98		5.848	5.848	(0.818)	79925	50.00000	48.2	
52 Toluene	91		5.923	5.918	(0.829)	2221	0.75000	0.749	
60 1,2-Dibromoethane	107		6.801	6.790	(0.951)	218	0.75000	0.425 (M)	
* 61 Chlorobenzene-d5	117		7.148	7.148	(1.000)	54943	50.00000		

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)
64 Ethylbenzene	106	7.250	7.245	(1.014)	565	0.75000	0.582
65 m&p-Xylene	106	7.346	7.341	(1.028)	1723	1.50000	1.39
67 o-Xylene	106	7.587	7.582	(1.061)	659	0.75000	0.591 (M)
\$ 72 4-Bromofluorobenzene	95	7.913	7.913	(1.107)	26946	50.0000	47.7
74 Bromobenzene	77	7.983	7.978	(1.117)	786	0.75000	0.708
76 n-Propylbenzene	91	8.047	8.047	(0.944)	2655	0.75000	0.741
77 2-Chlorotoluene	91	8.090	8.090	(0.949)	1569	0.75000	0.772
78 1,3,5-Trimethylbenzene	105	8.149	8.149	(0.955)	1417	0.75000	0.636
79 4-Chlorotoluene	126	8.160	8.159	(0.957)	498	0.75000	0.716 (M)
81 1,2,4-Trimethylbenzene	105	8.347	8.341	(0.979)	1500	0.75000	0.668
83 1,3-Dichlorobenzene	146	8.486	8.486	(0.995)	1028	0.75000	0.733 (M)
* 85 1,4-Dichlorobenzene-d4	152	8.529	8.529	(1.000)	28229	50.0000	
86 1,4-Dichlorobenzene	146	8.539	8.539	(1.001)	1230	0.75000	0.844
88 1,2-Dichlorobenzene	146	8.711	8.711	(1.021)	929	0.75000	0.704 (M)
92 Naphthalene	128	9.561	9.556	(1.121)	1916	0.75000	0.854 (M)

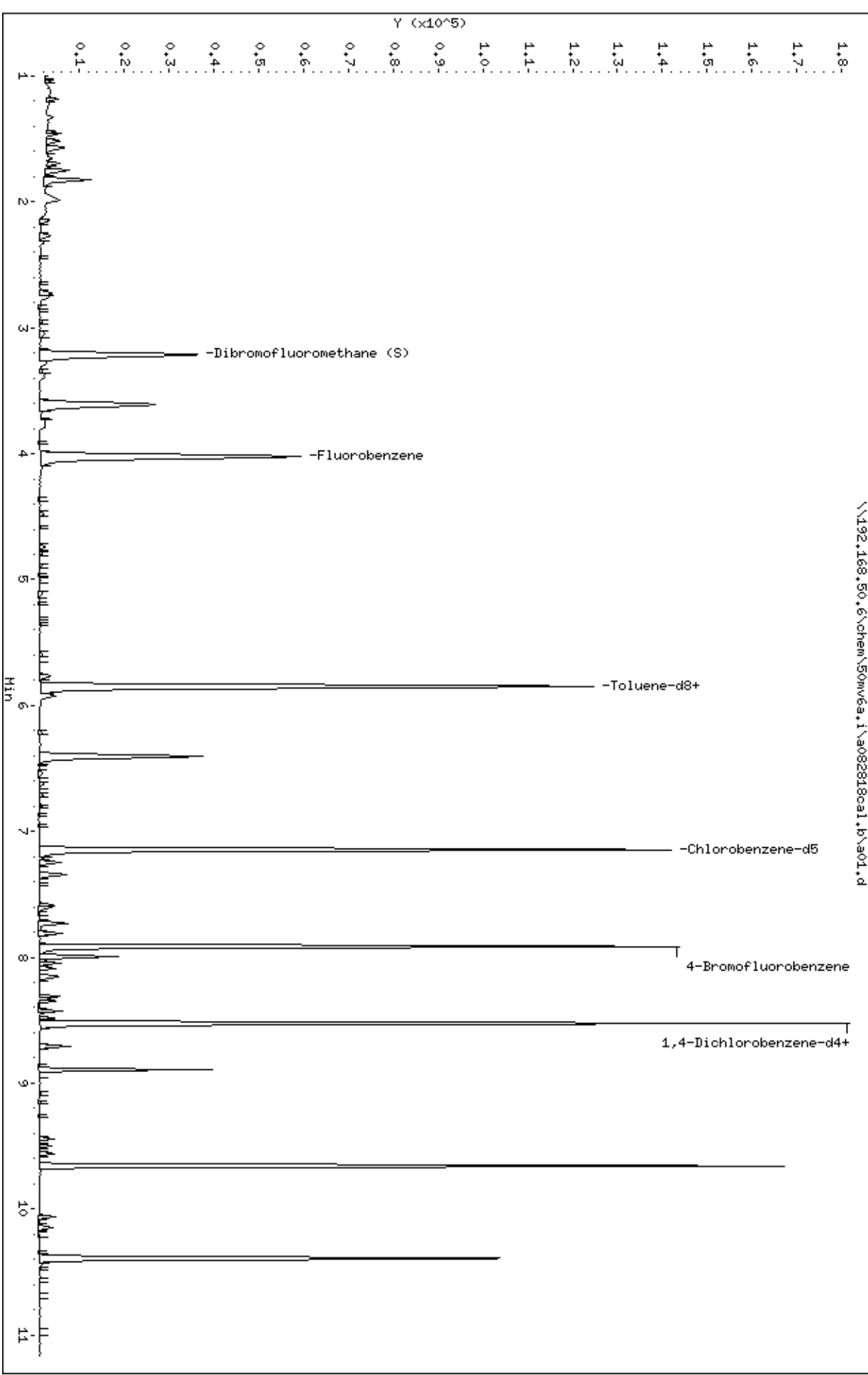
QC Flag Legend

M - Compound response manually integrated.

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Column phase: DB-624

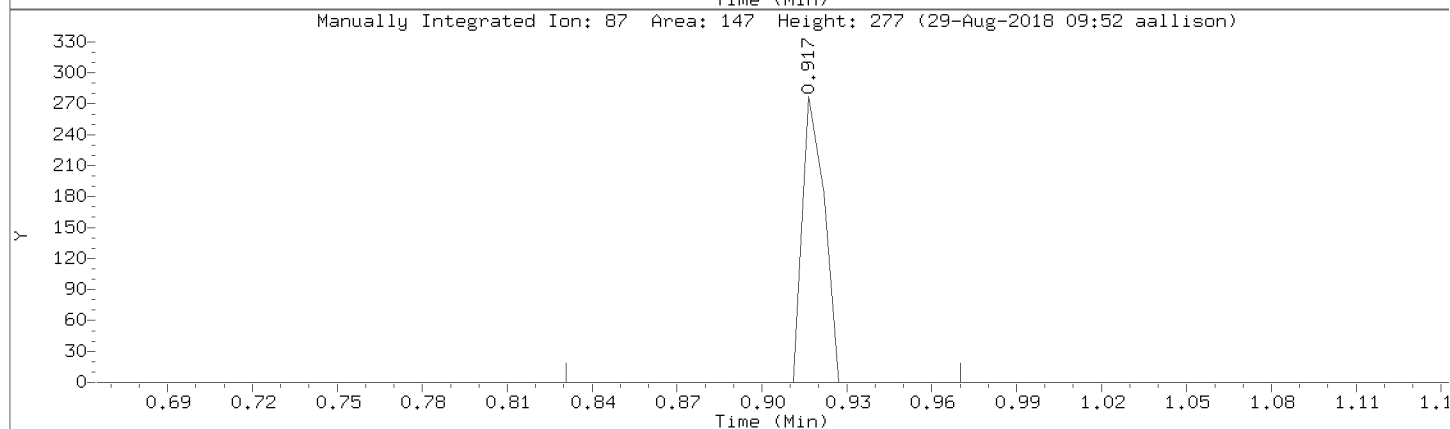
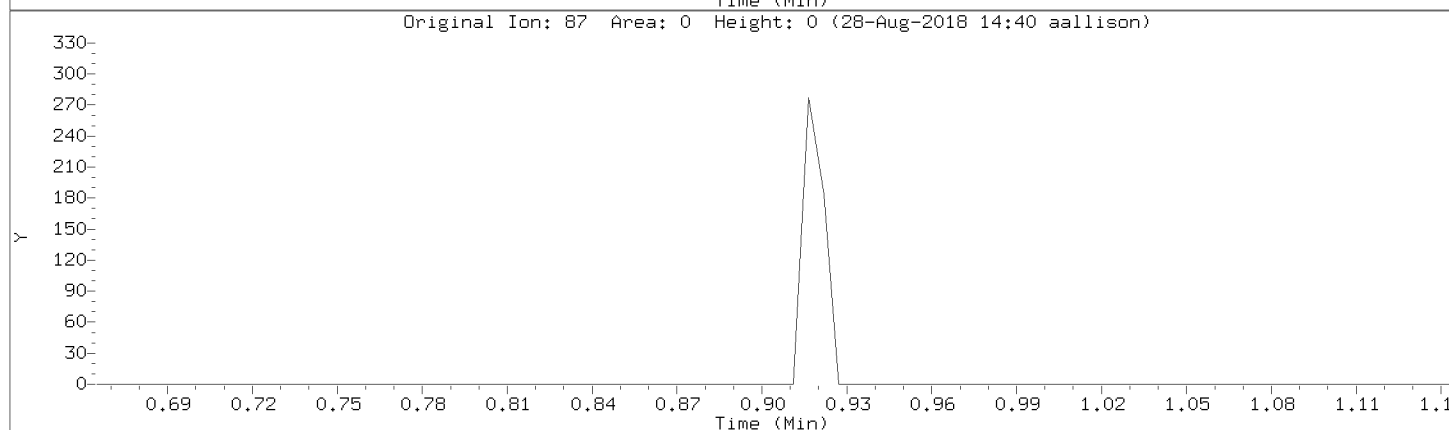
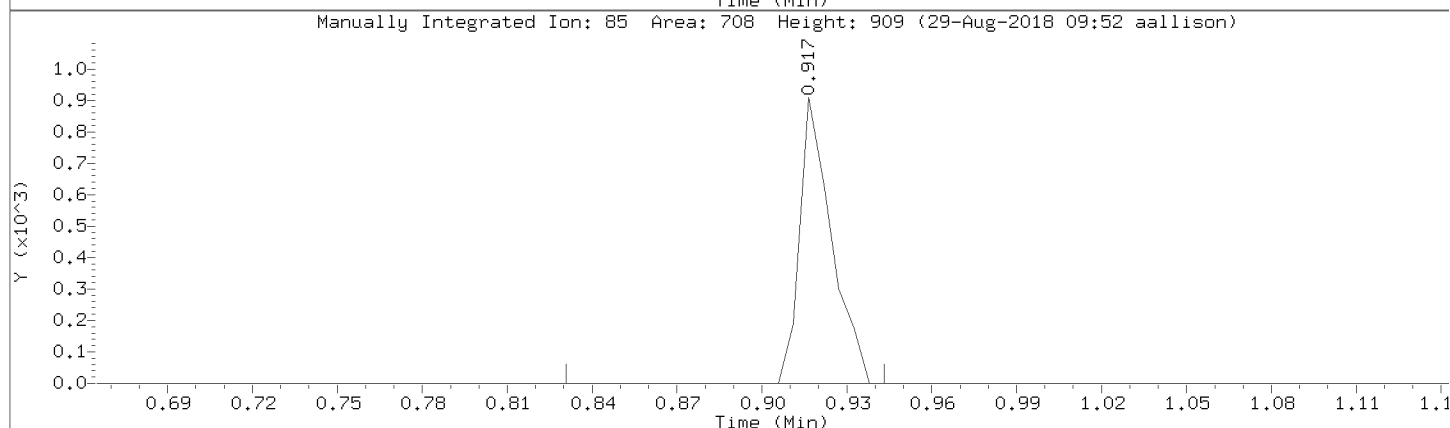
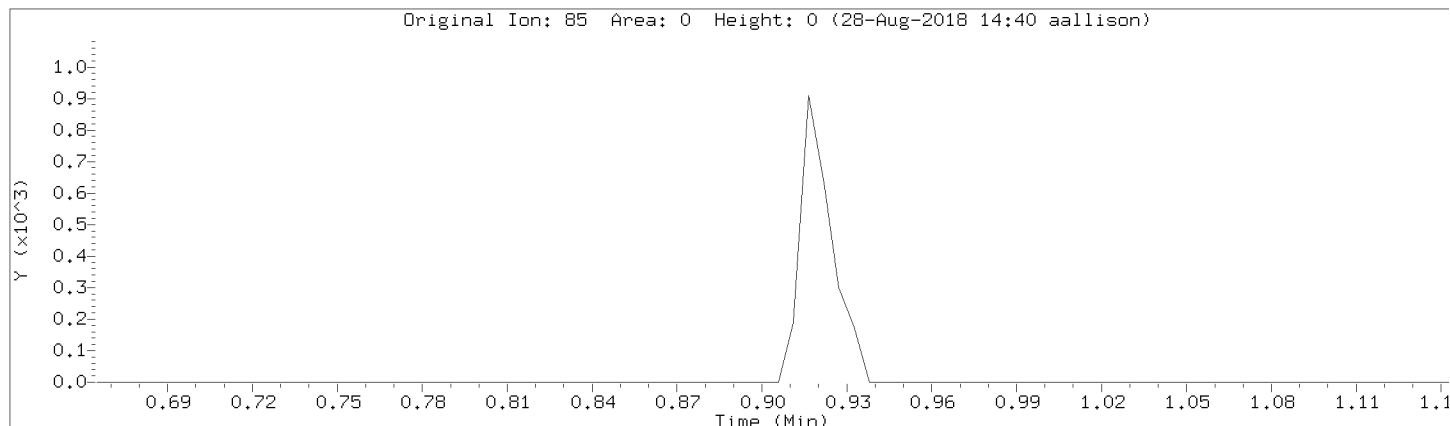
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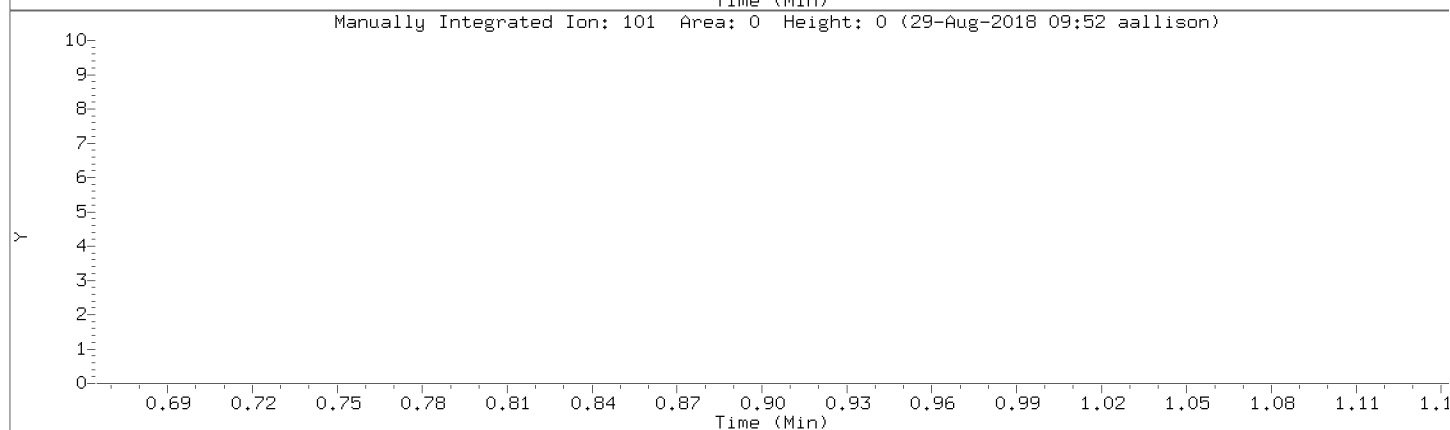
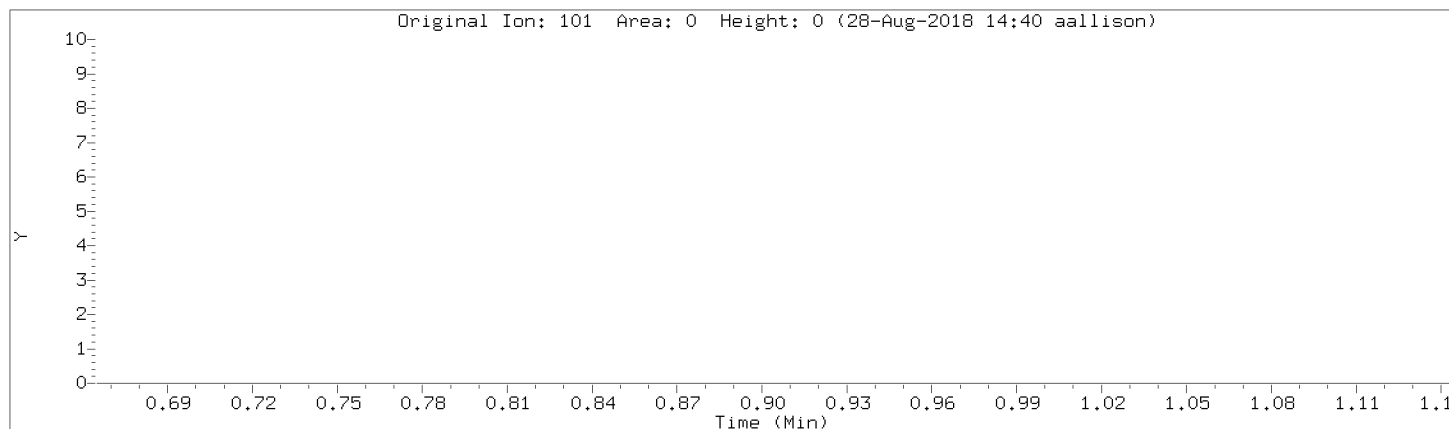


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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL1

Compound: Dichlorodifluoromethane Review Code: NI
CAS Number: 75-71-8

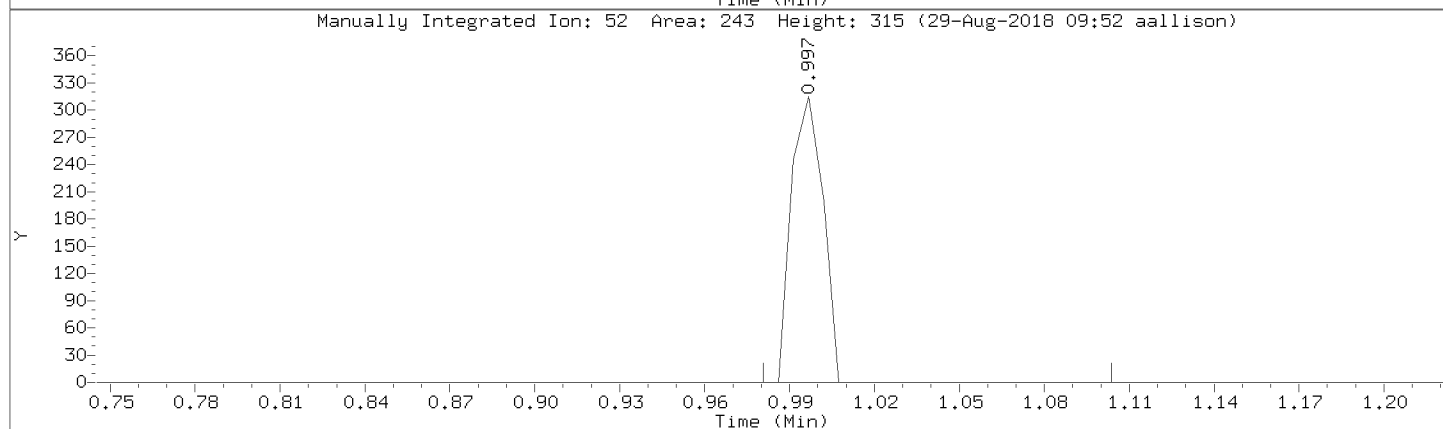
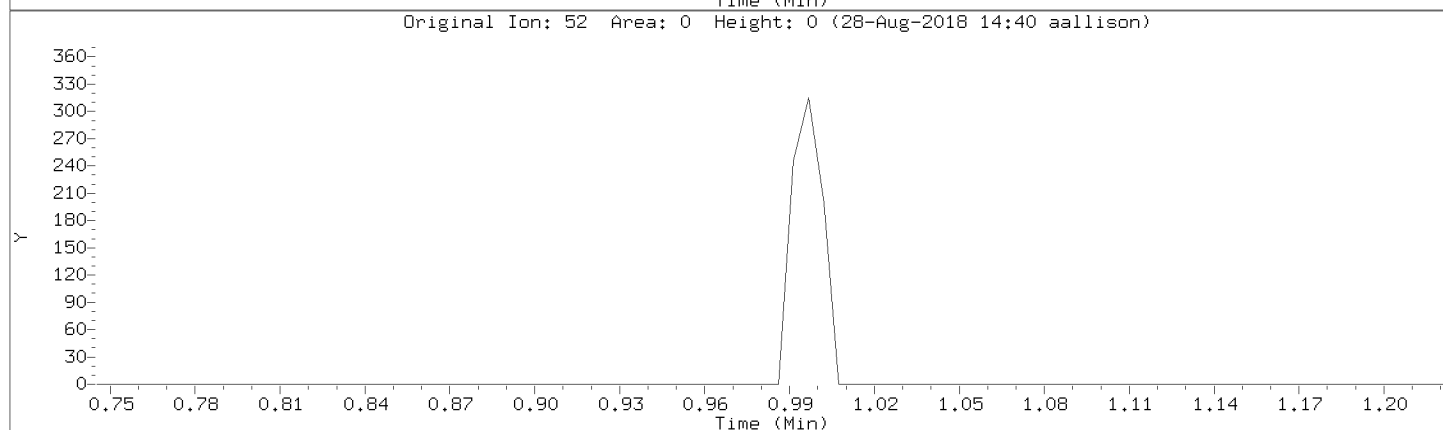
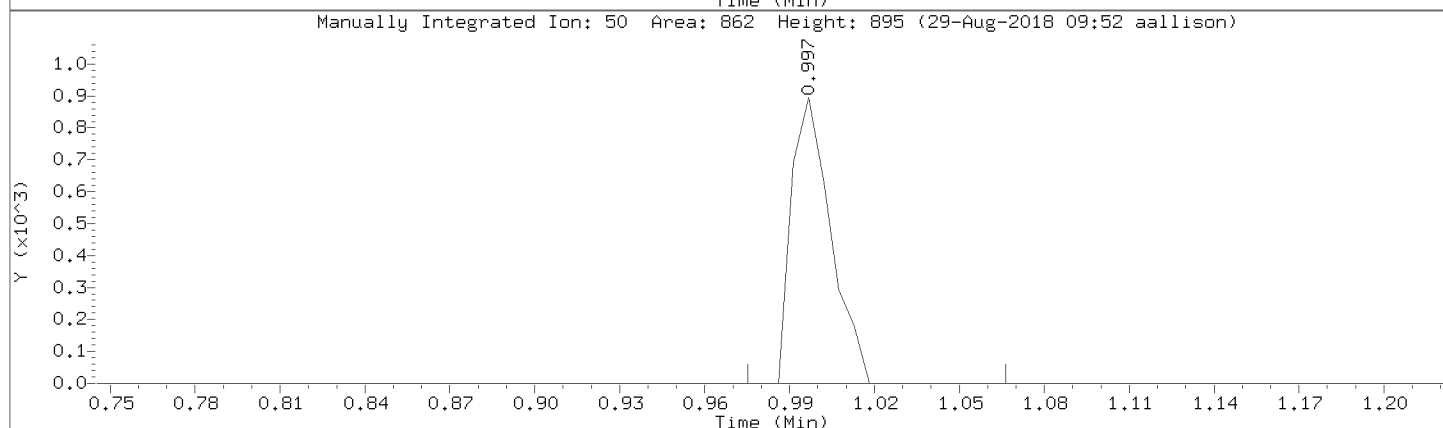
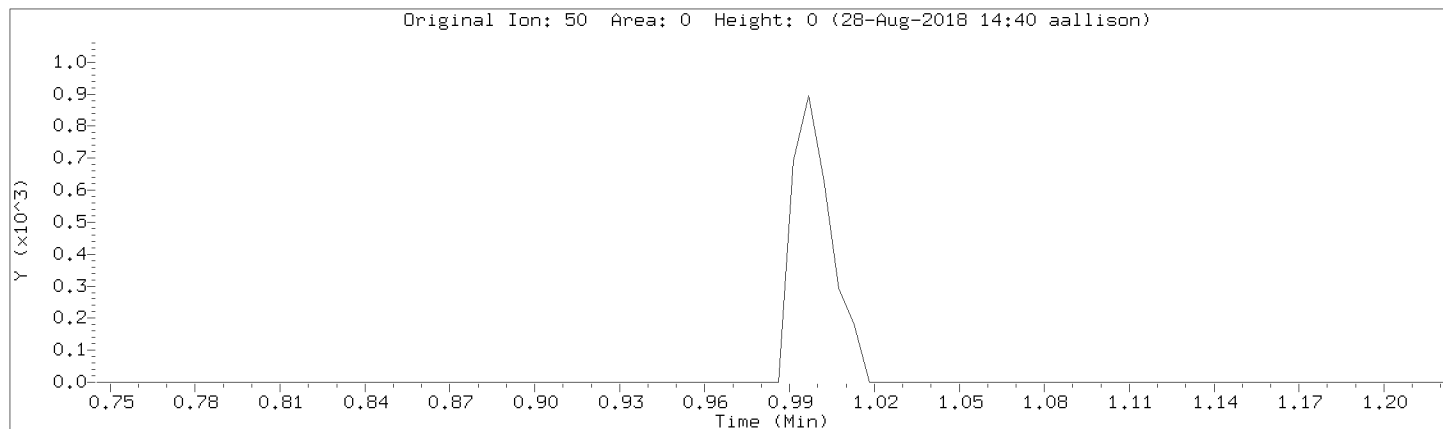


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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL1



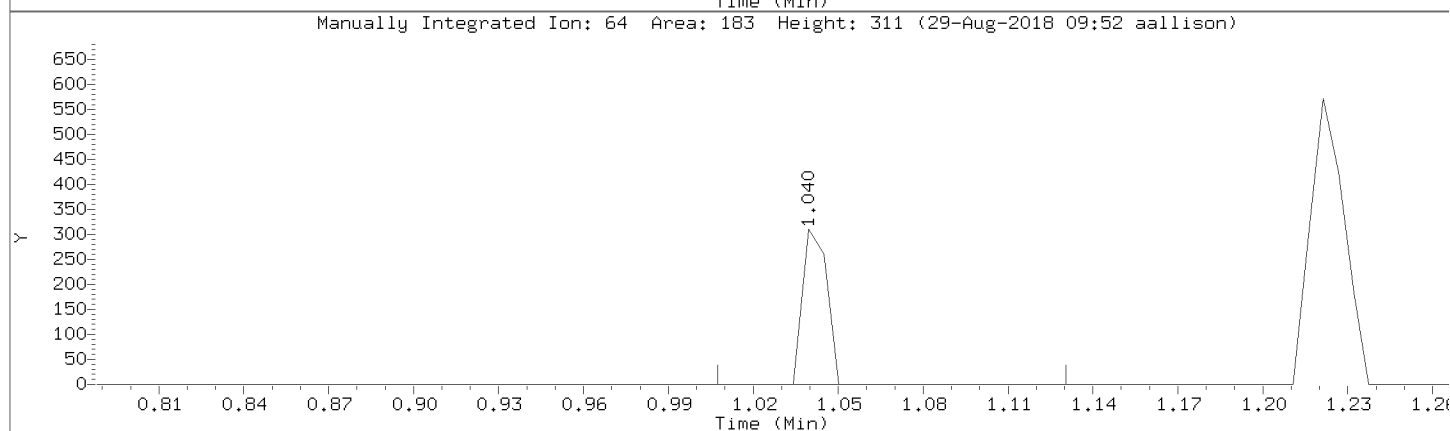
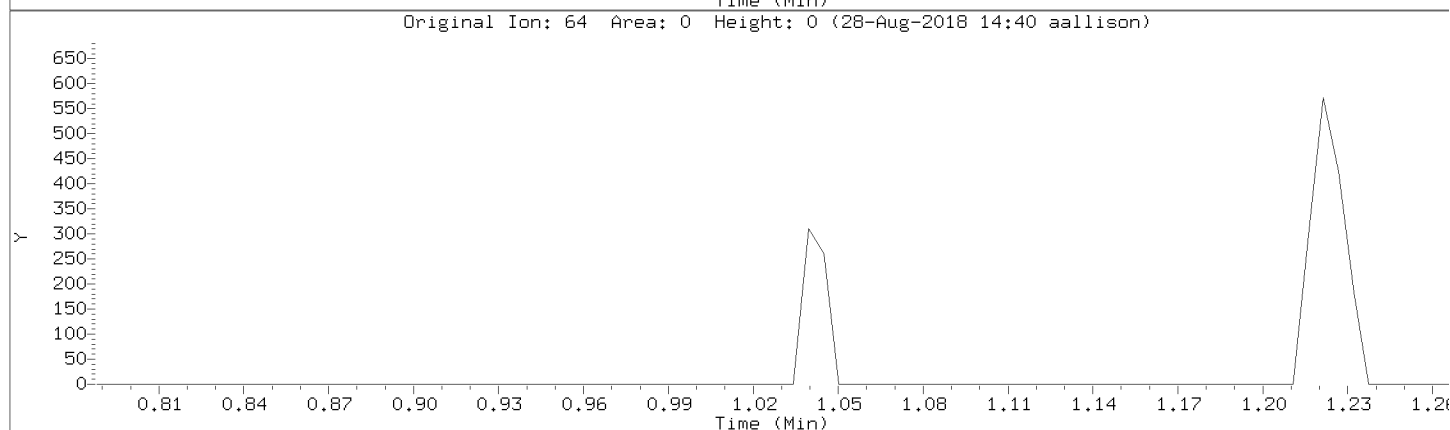
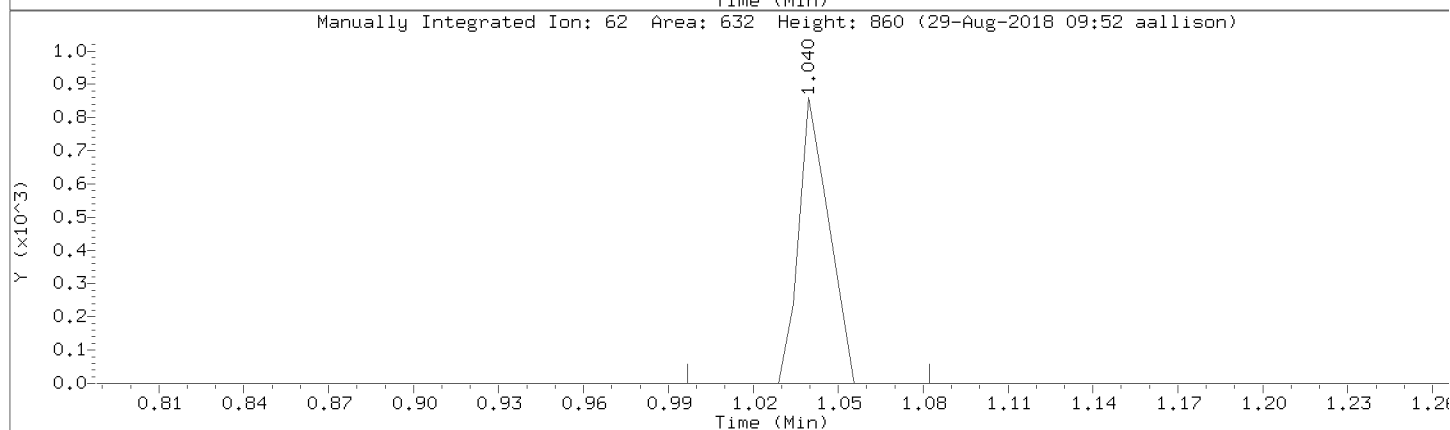
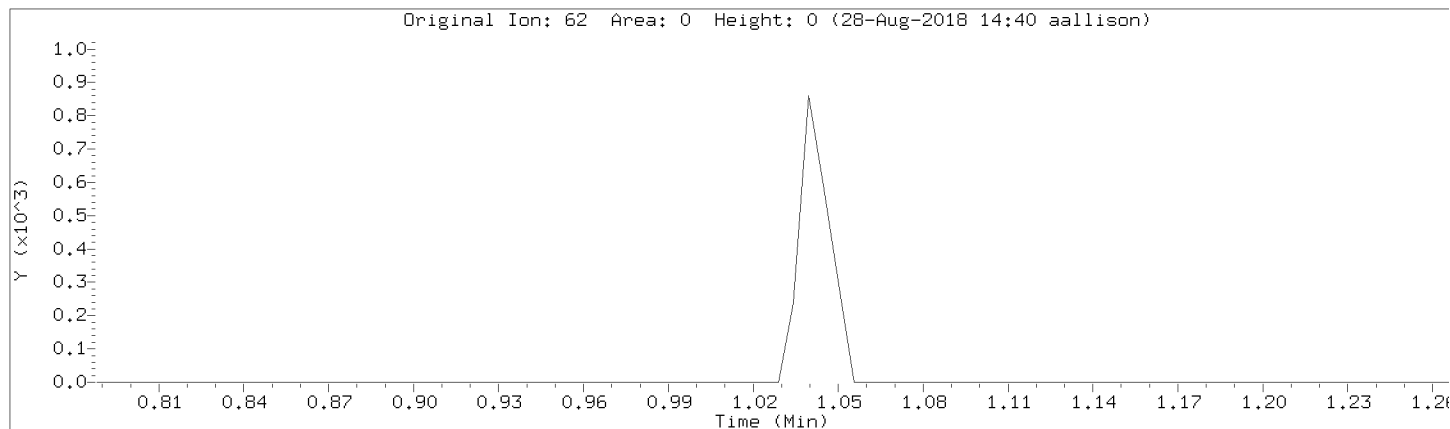
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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL1

Compound: Chloromethane Review Code: NI
CAS Number: 74-87-3



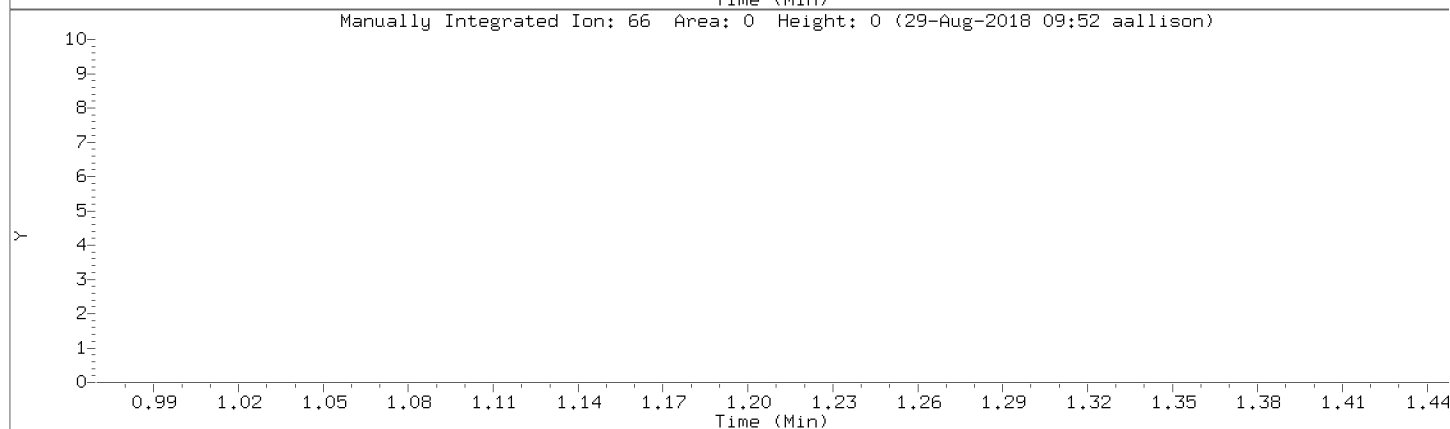
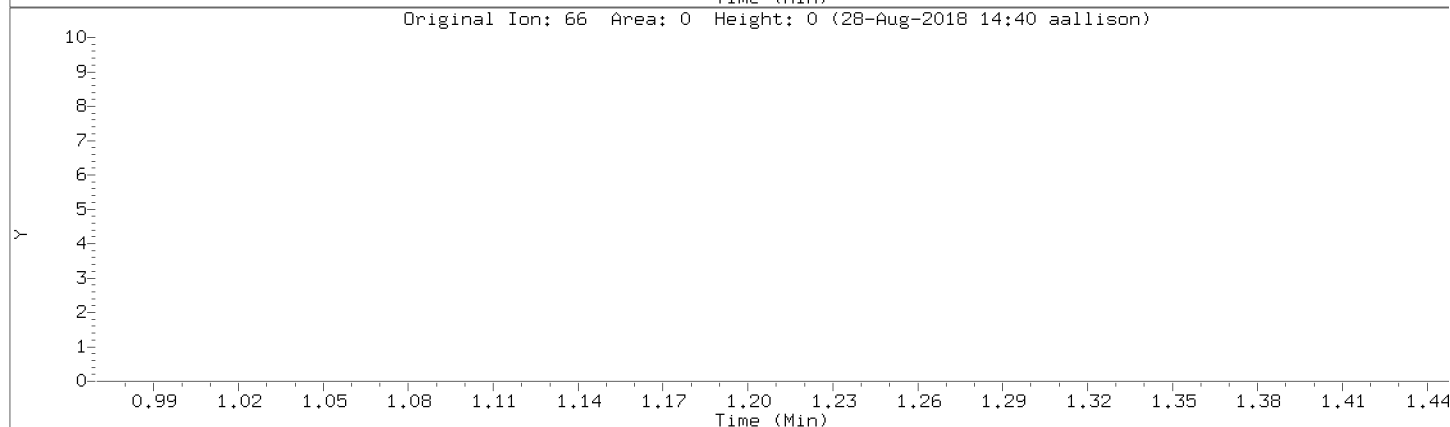
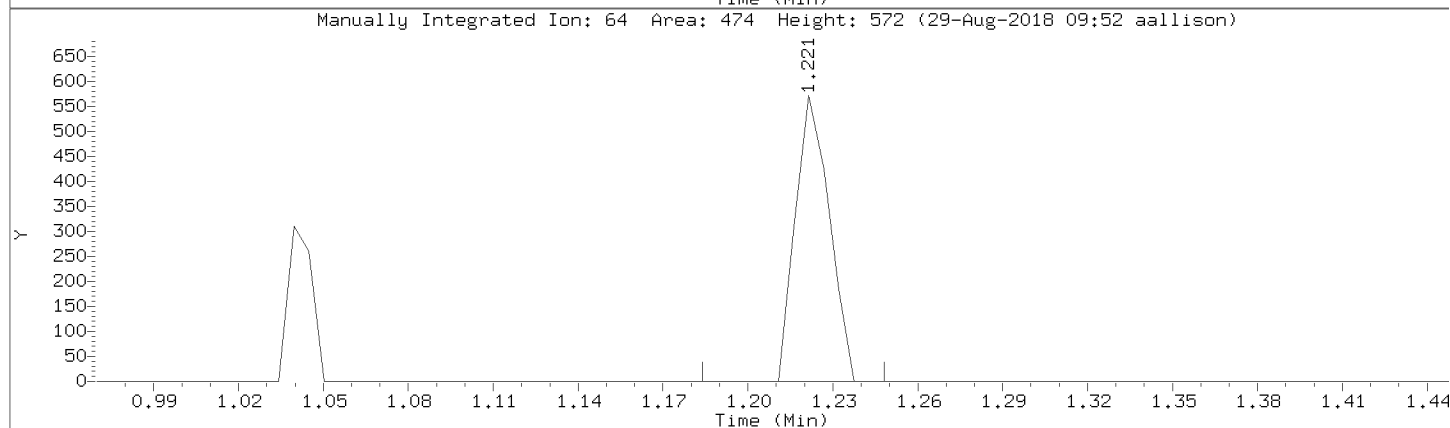
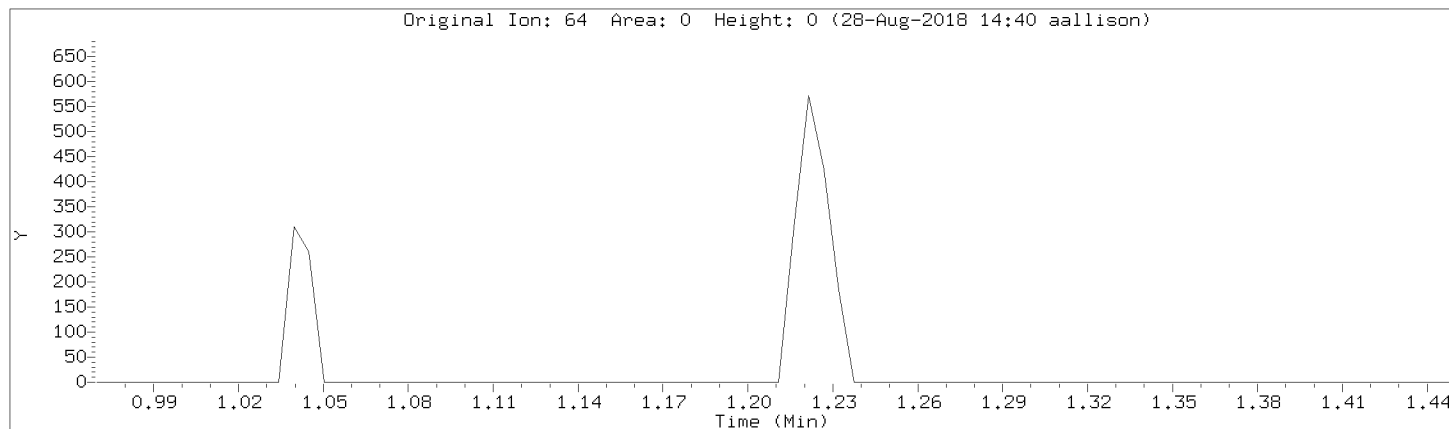
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Lab Sample ID: 8260-CAL1

Compound: Vinyl Chloride Review Code: NI
CAS Number: 75-01-4



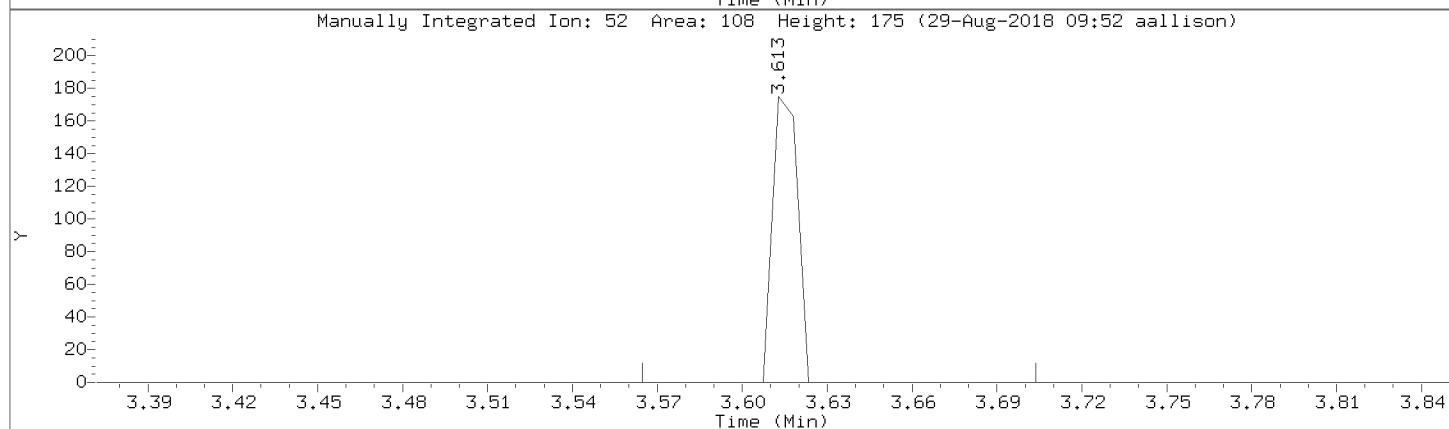
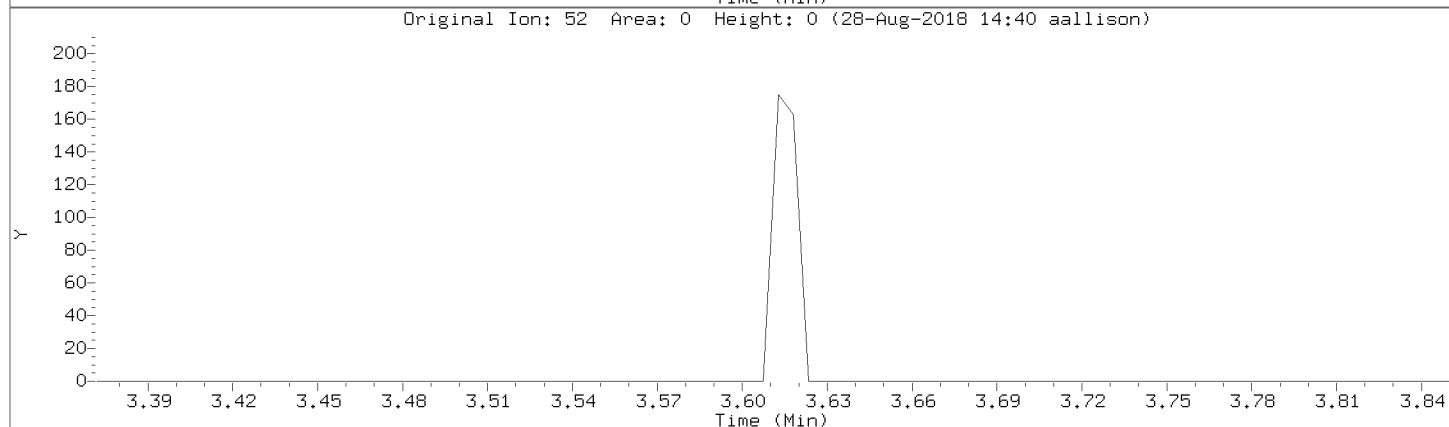
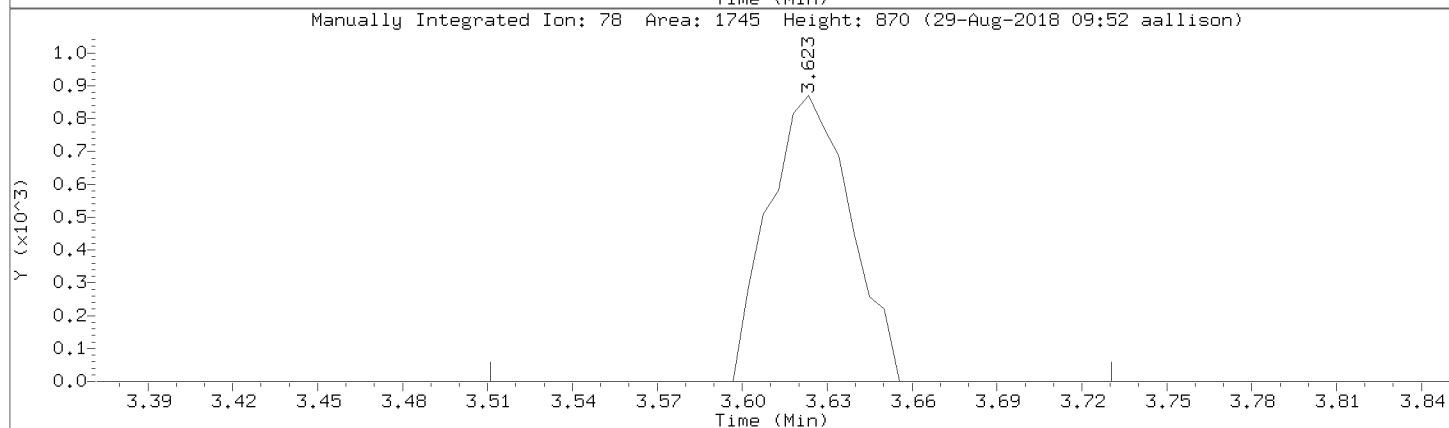
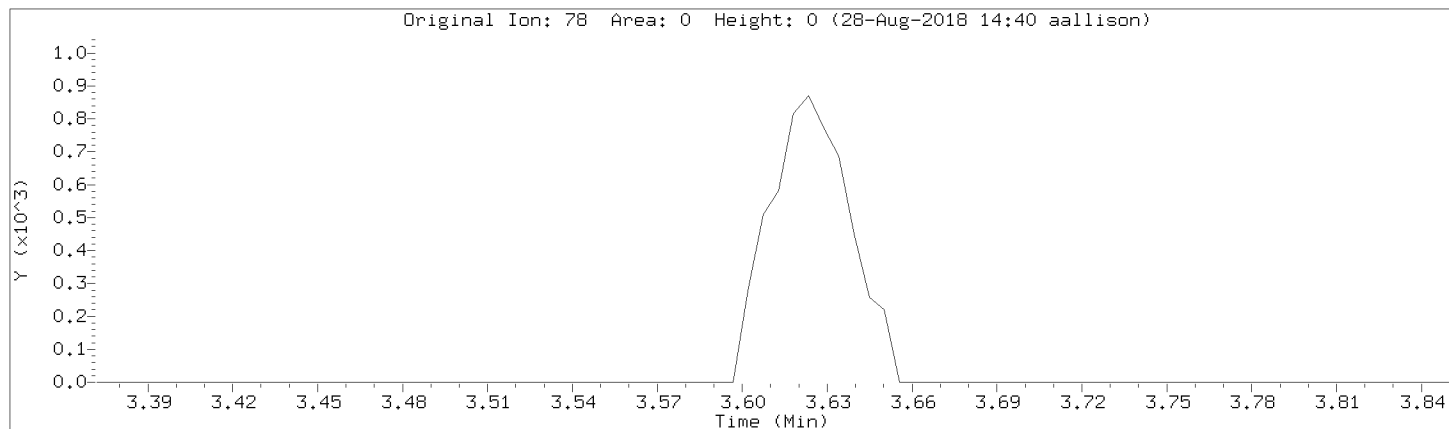
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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL1

Compound: Chloroethane Review Code: NI
CAS Number: 75-00-3

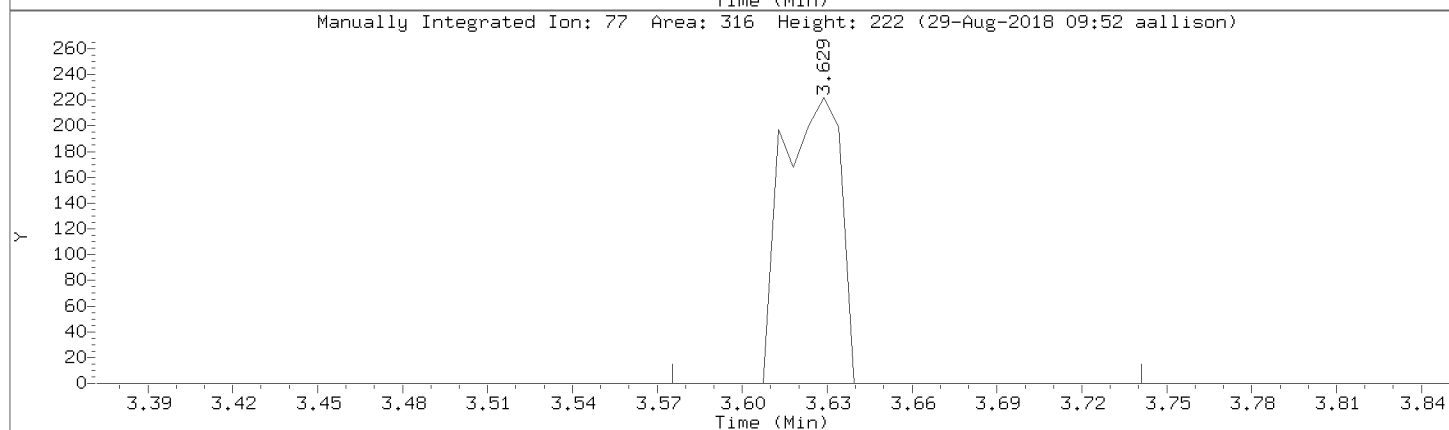
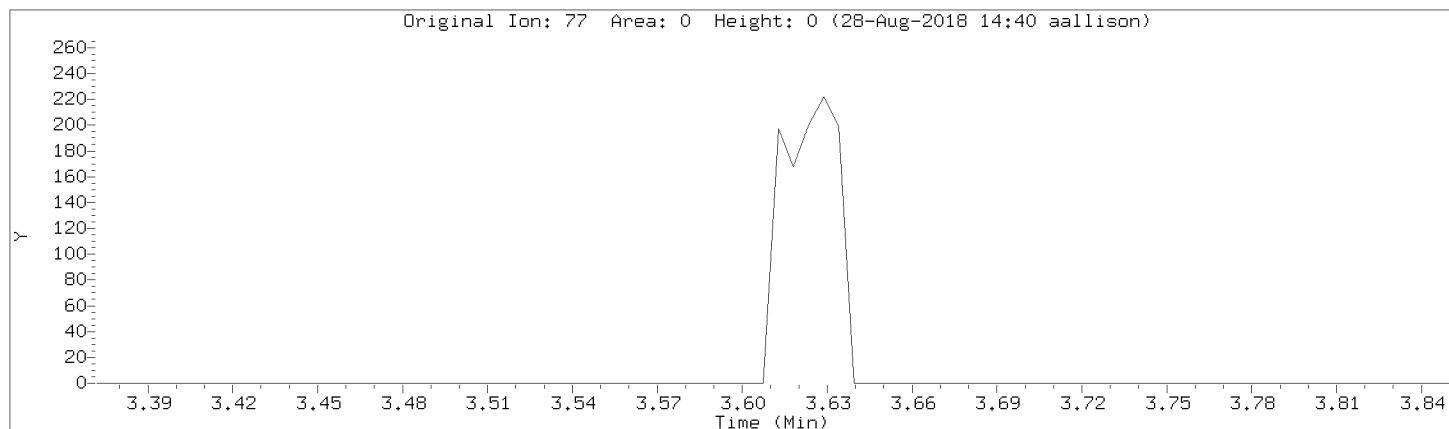


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Lab Sample ID: 8260-CAL1

Compound: Benzene Review Code: NI
CAS Number: 71-43-2

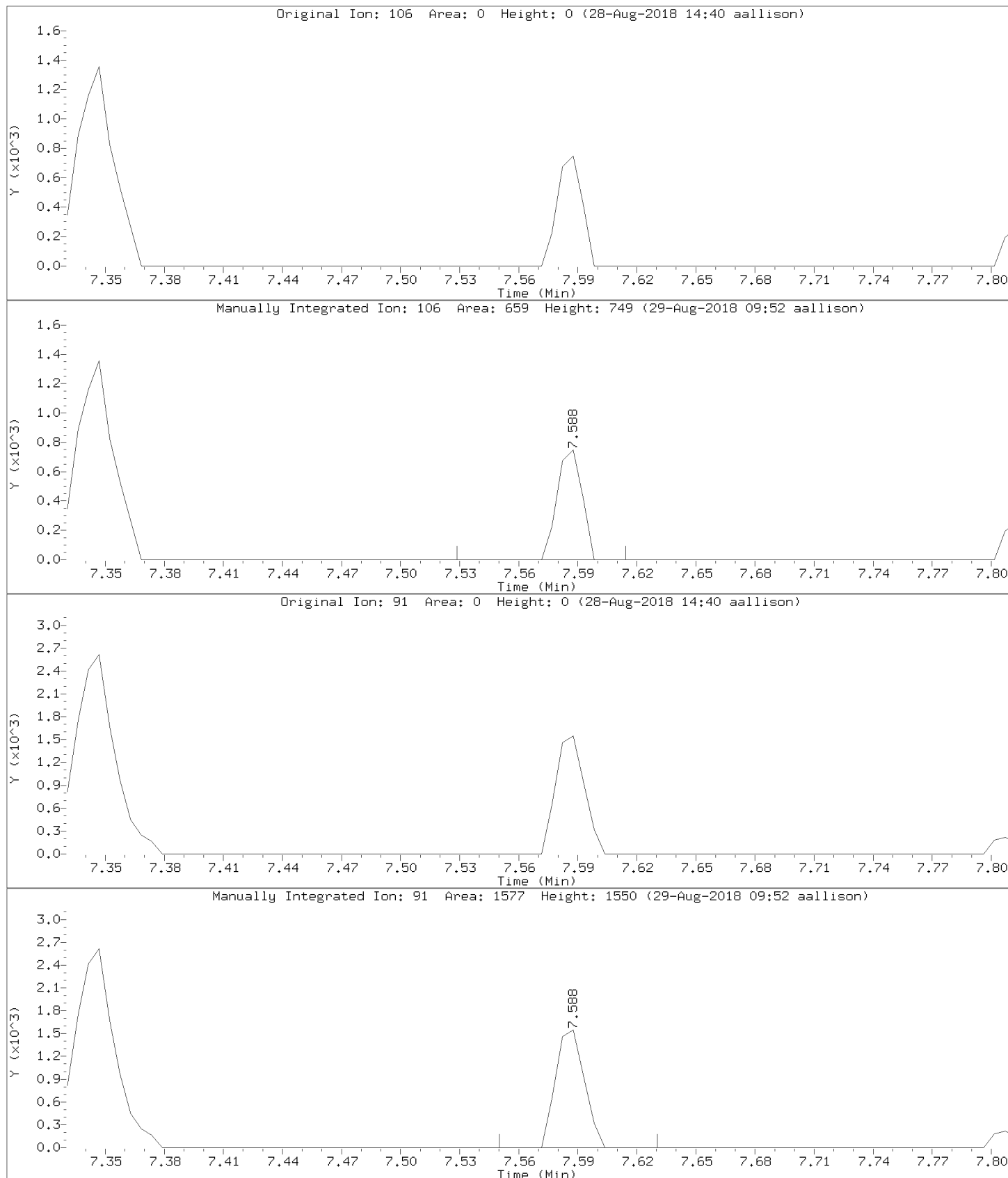


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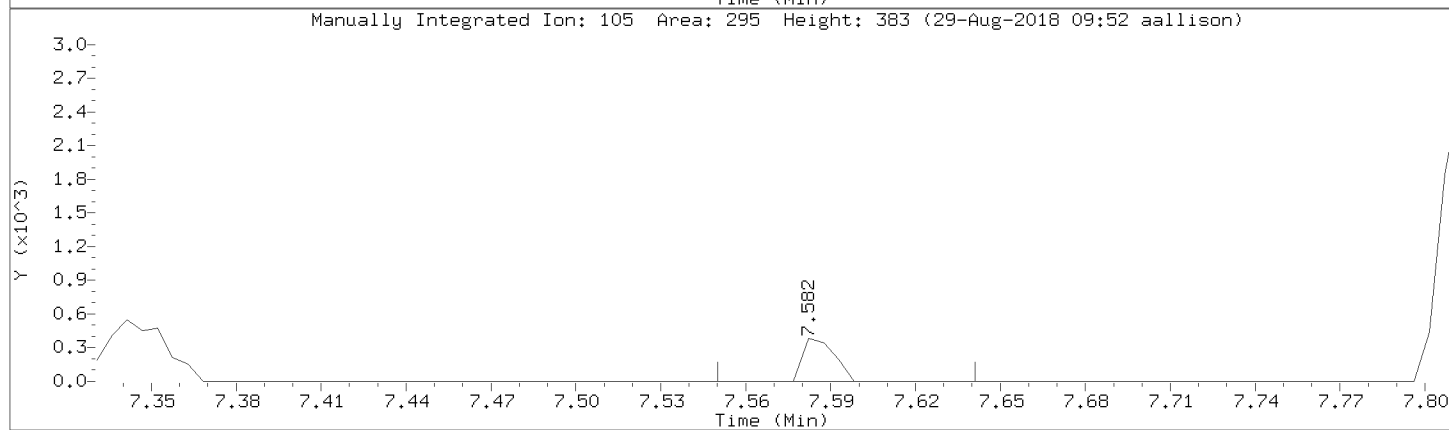
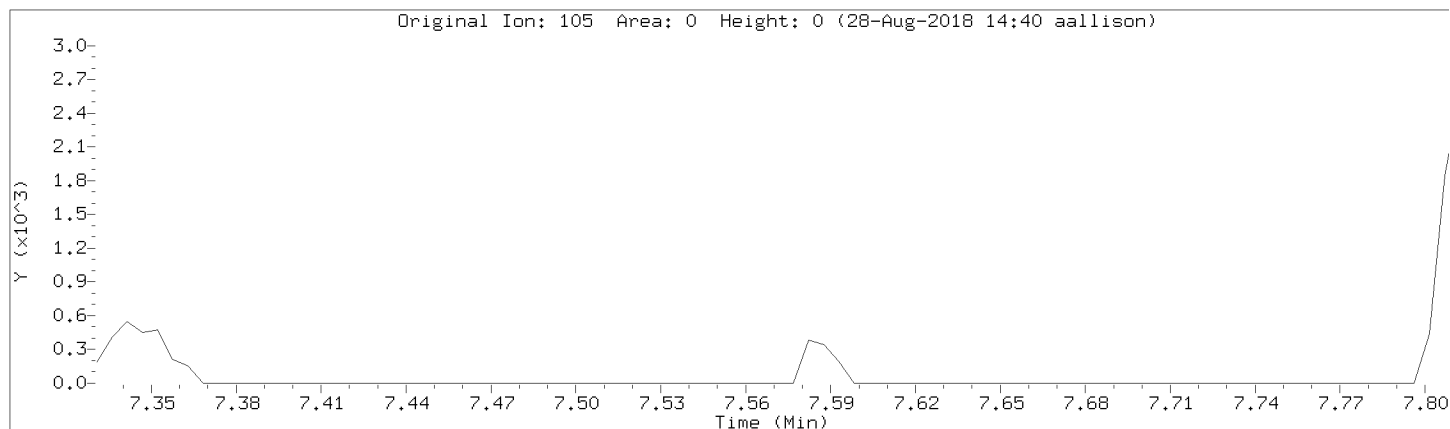


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Compound: o-Xylene Review Code: NI
CAS Number: 95-47-6

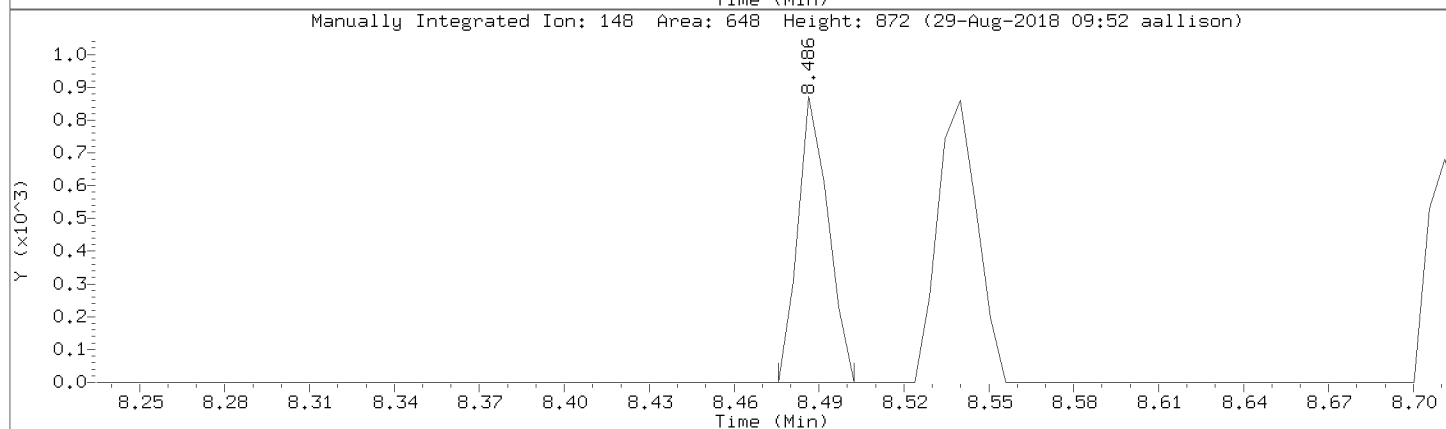
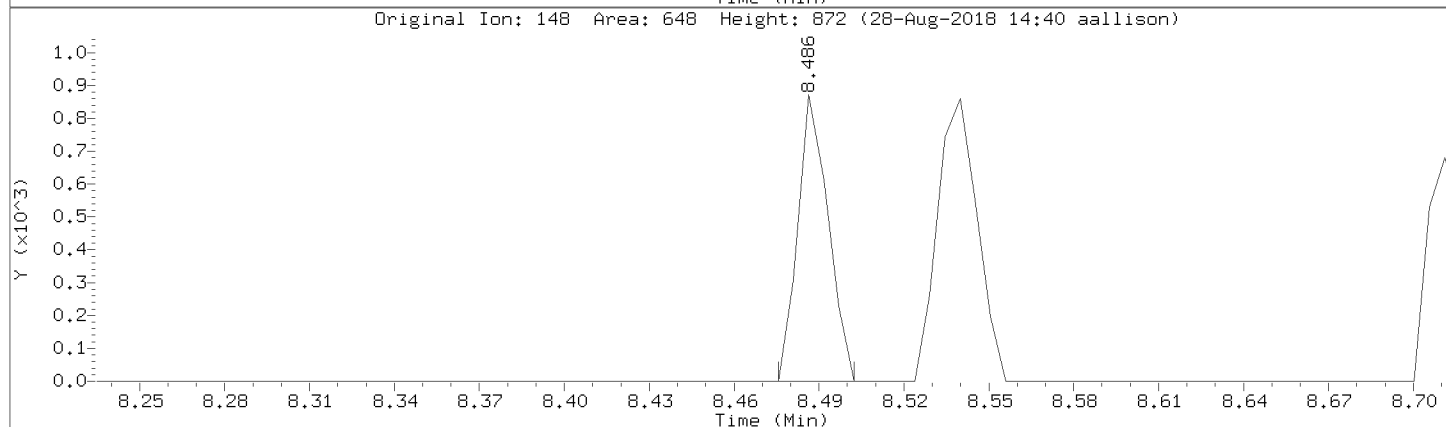
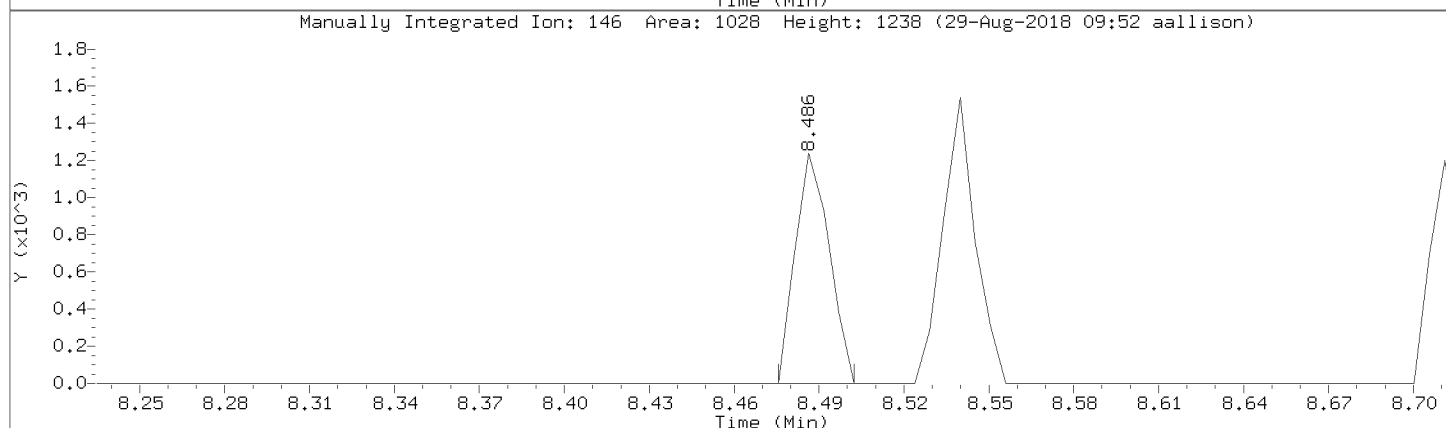
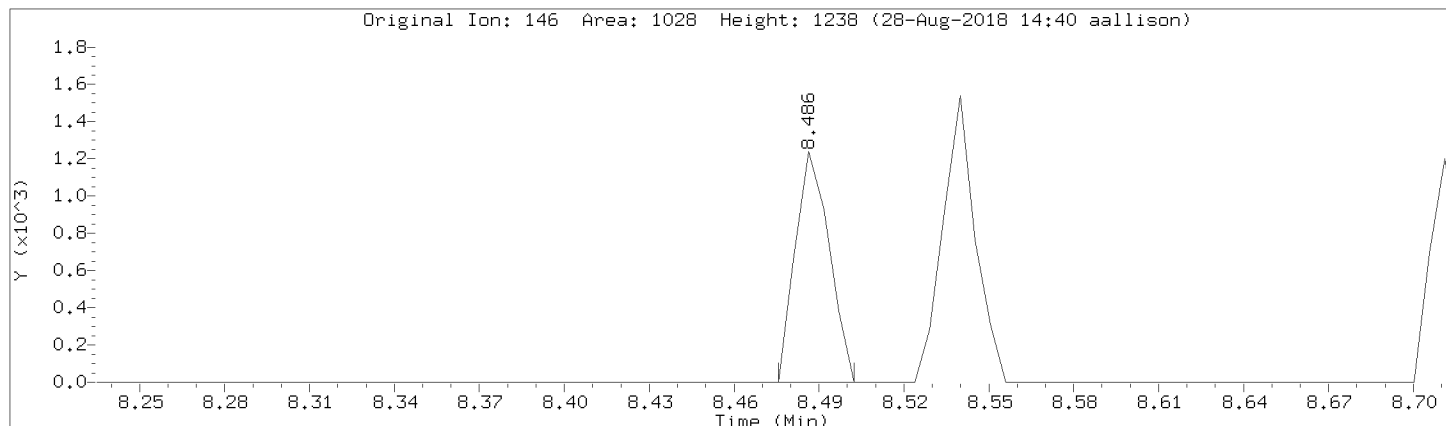


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Lab Sample ID: 8260-CAL1

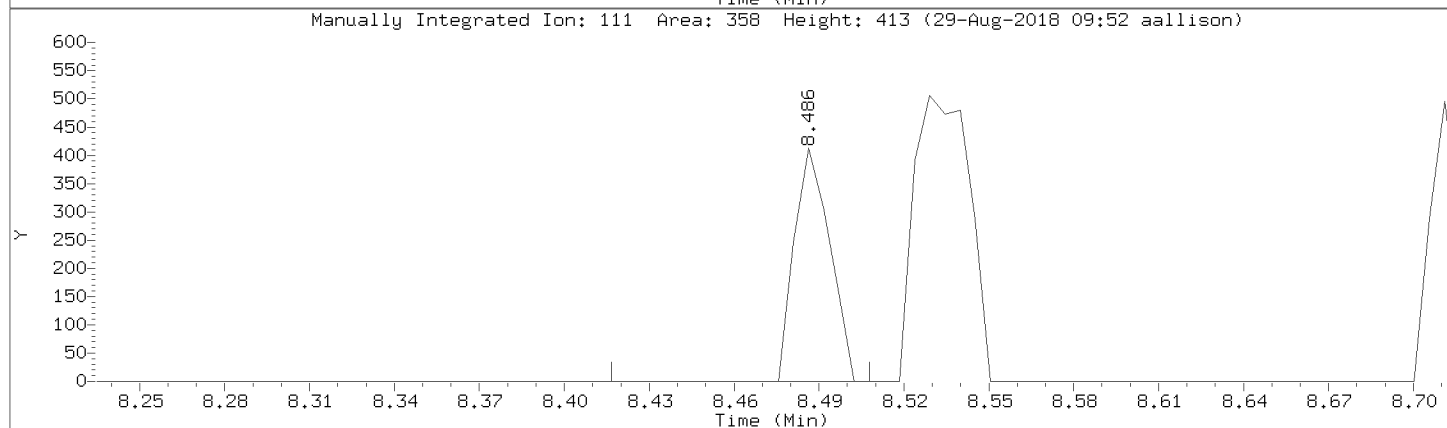
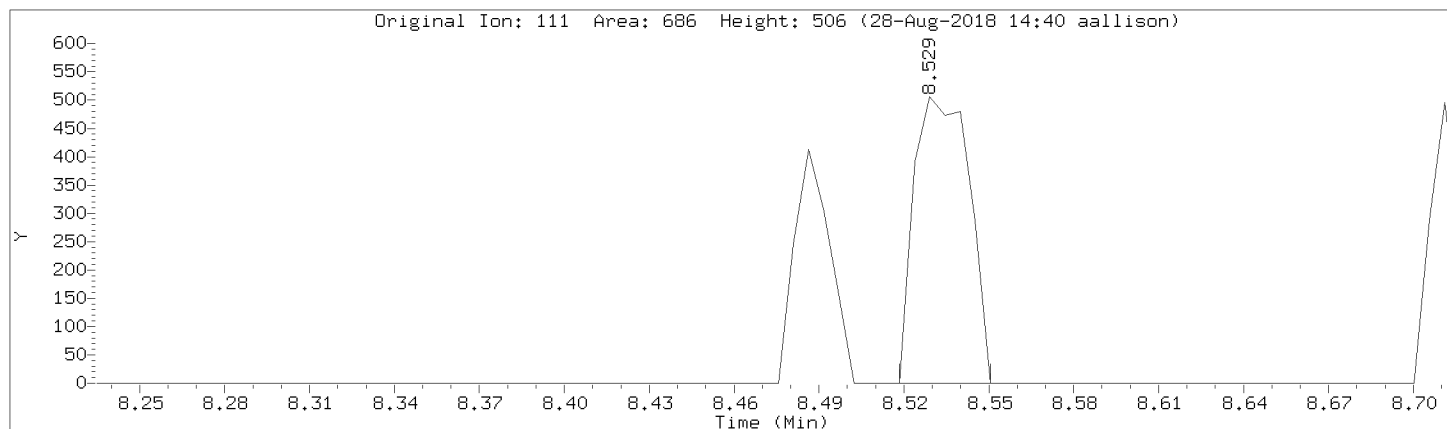


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Injection Date: 28-AUG-2018 14:20
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL1

Compound: 1,3-Dichlorobenzene Review Code: WP
CAS Number: 541-73-1



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a01.d
Injection Date: 28-AUG-2018 14:20
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL1



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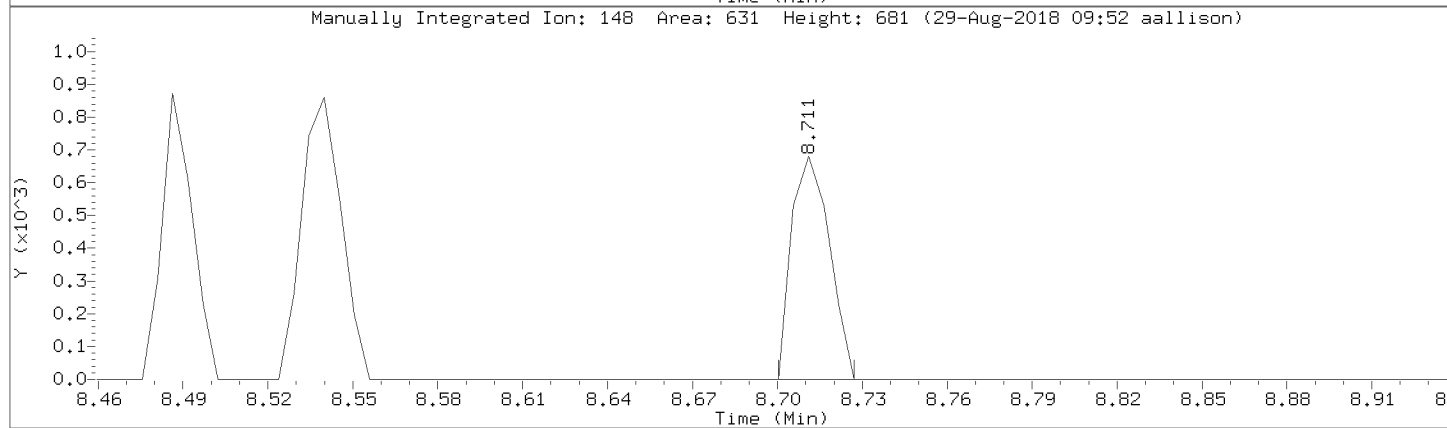
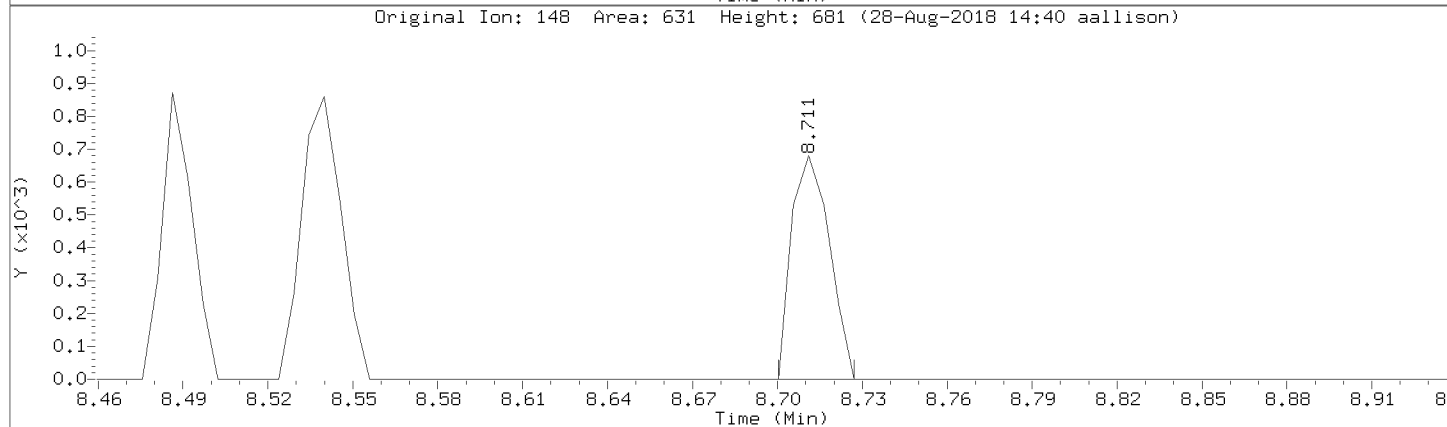
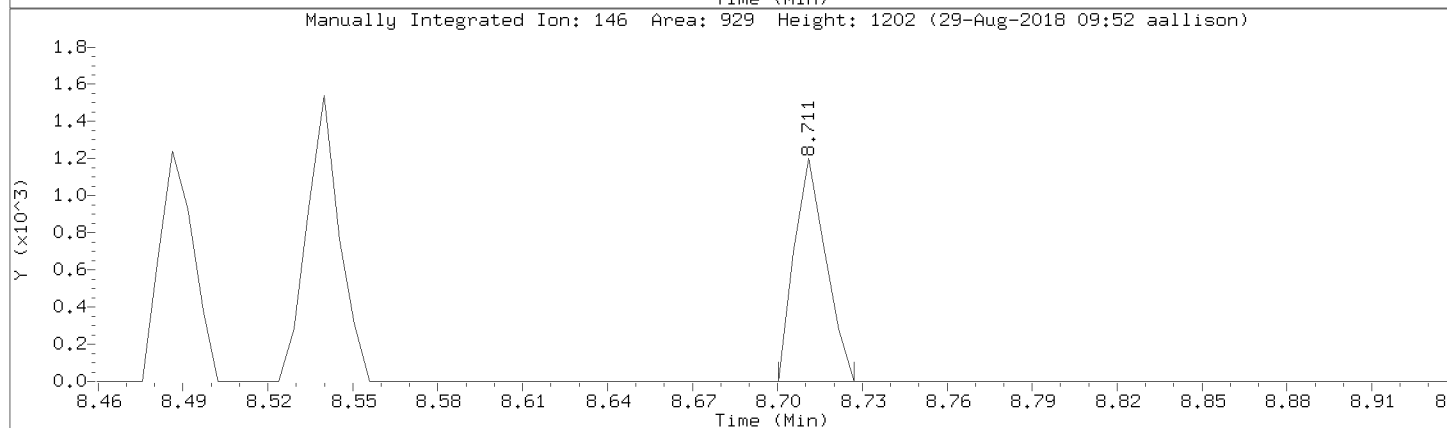
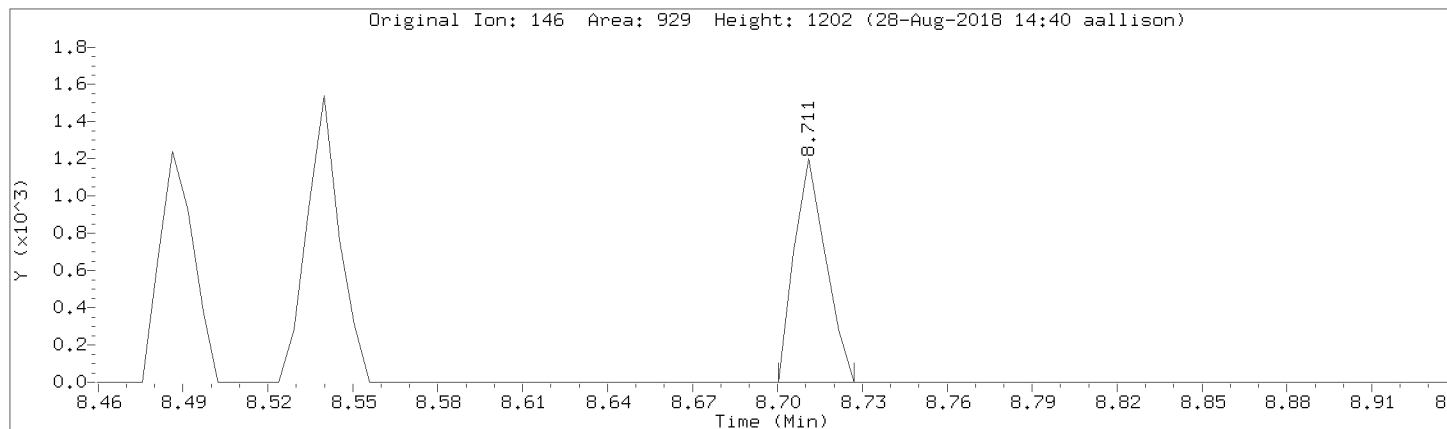
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Lab Sample ID: 8260-CAL1

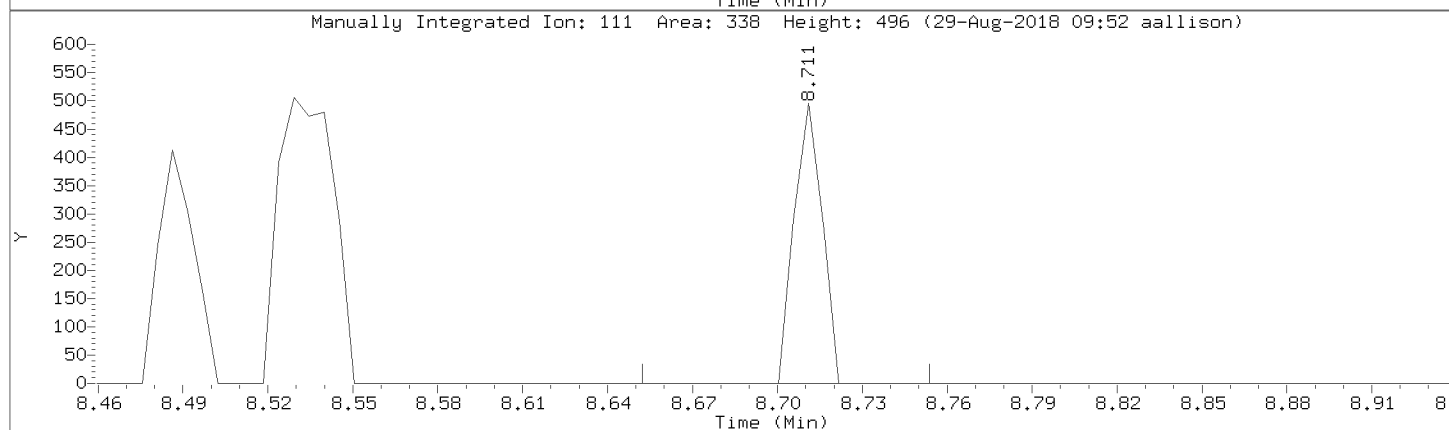
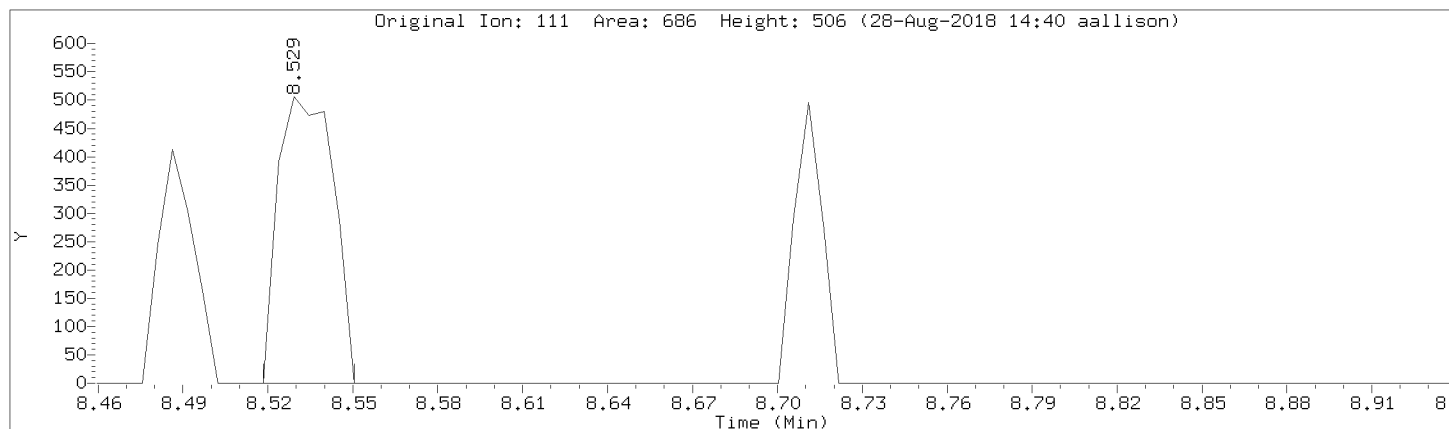
Compound: 1,2-Dichlorobenzene

Review Code: WP

CAS Number: 95-50-1

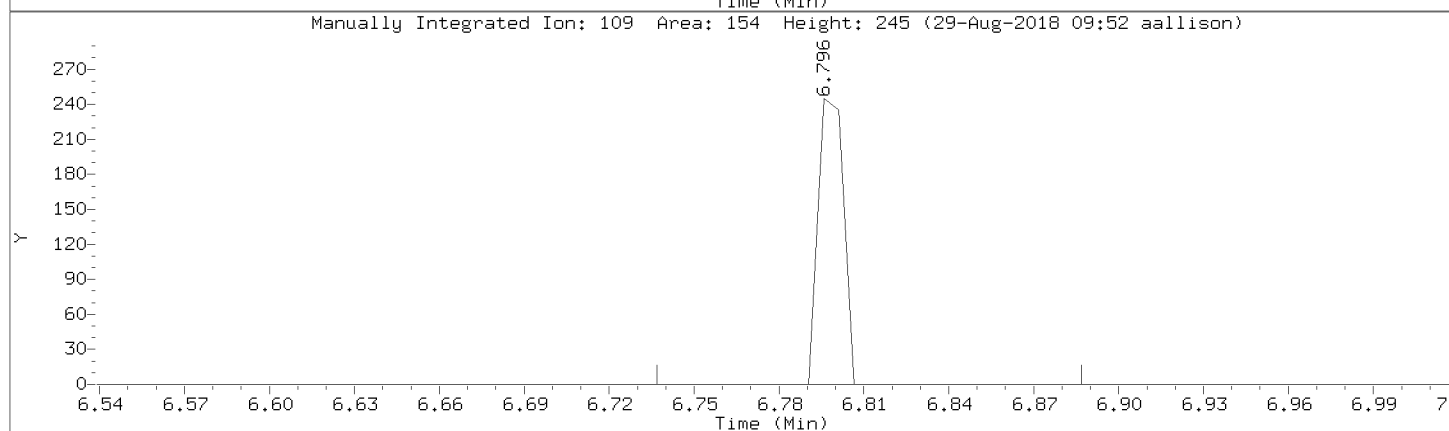
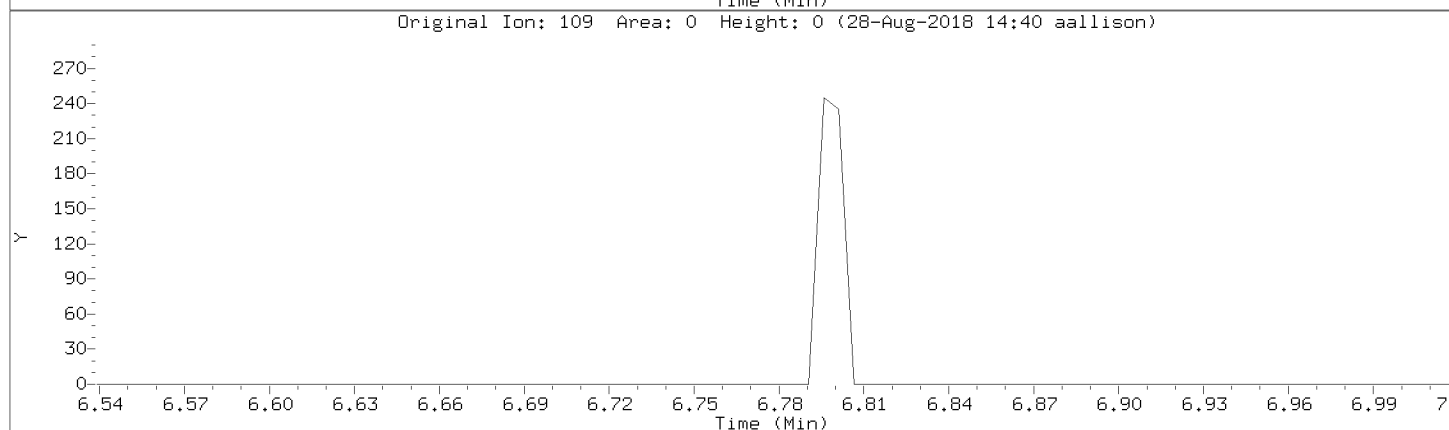
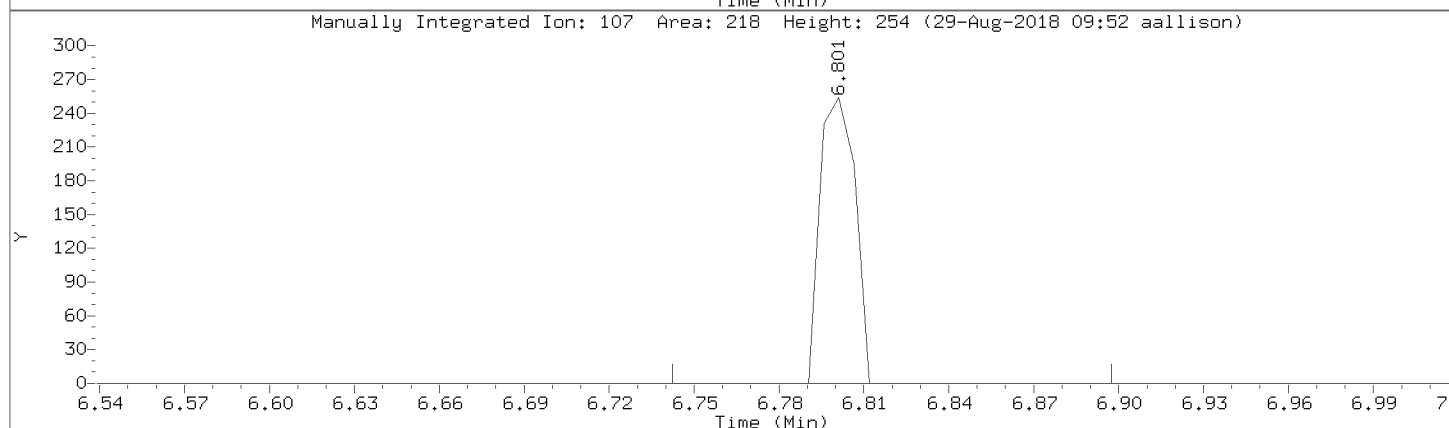
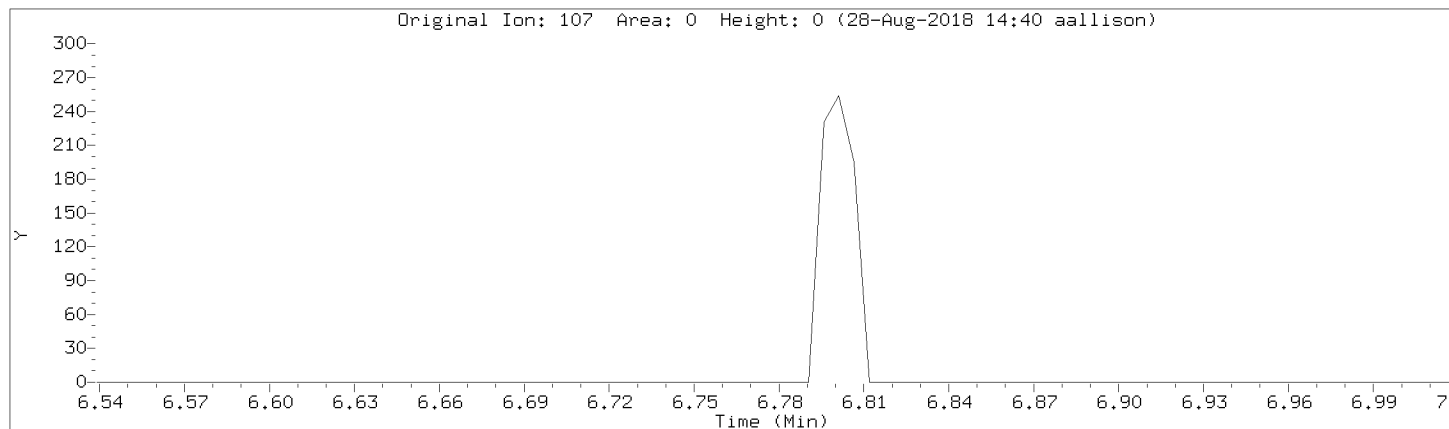


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Injection Date: 28-AUG-2018 14:20
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL1



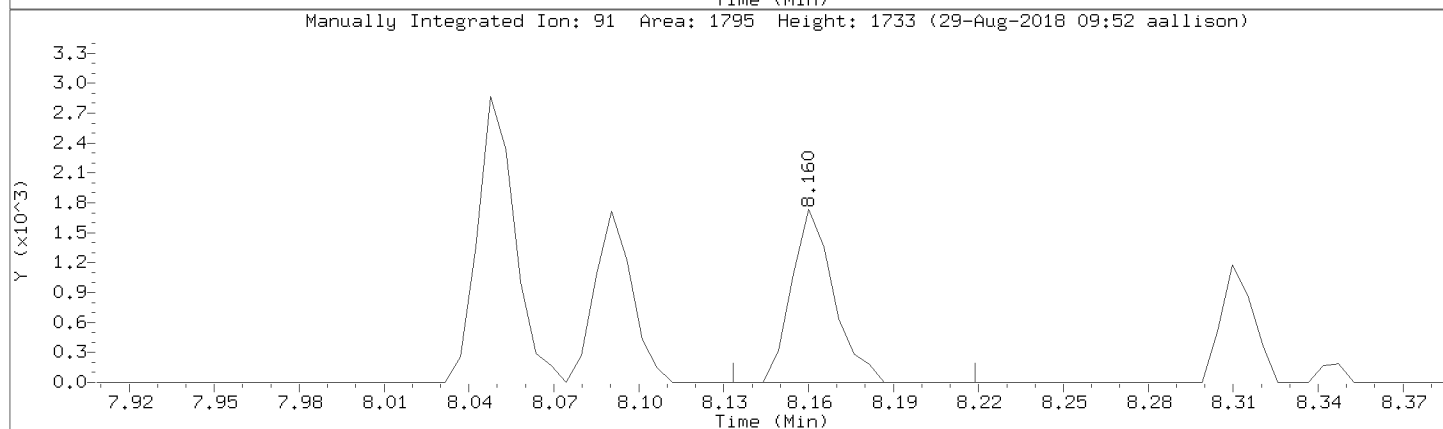
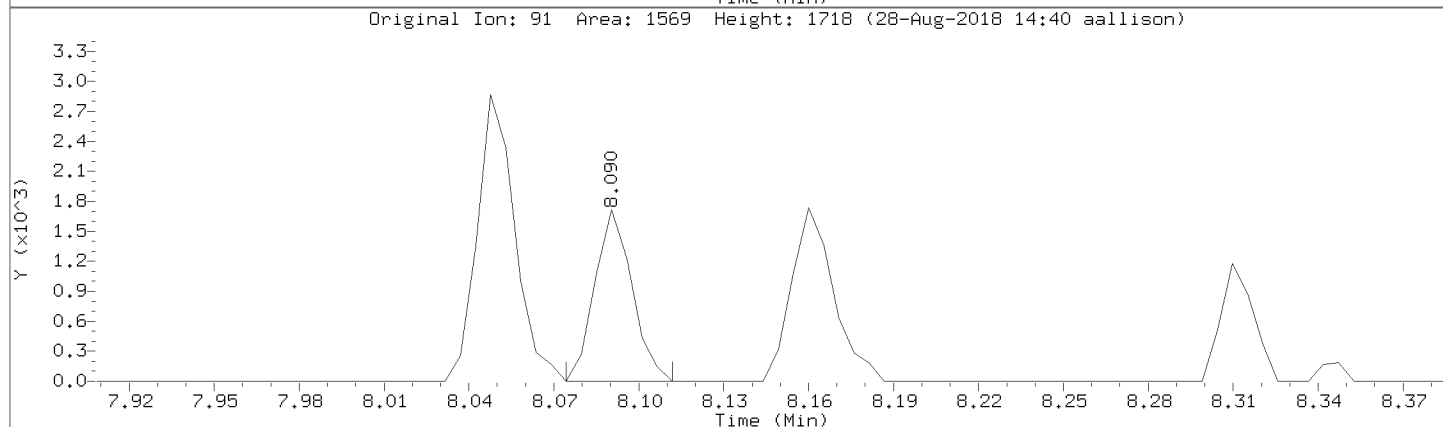
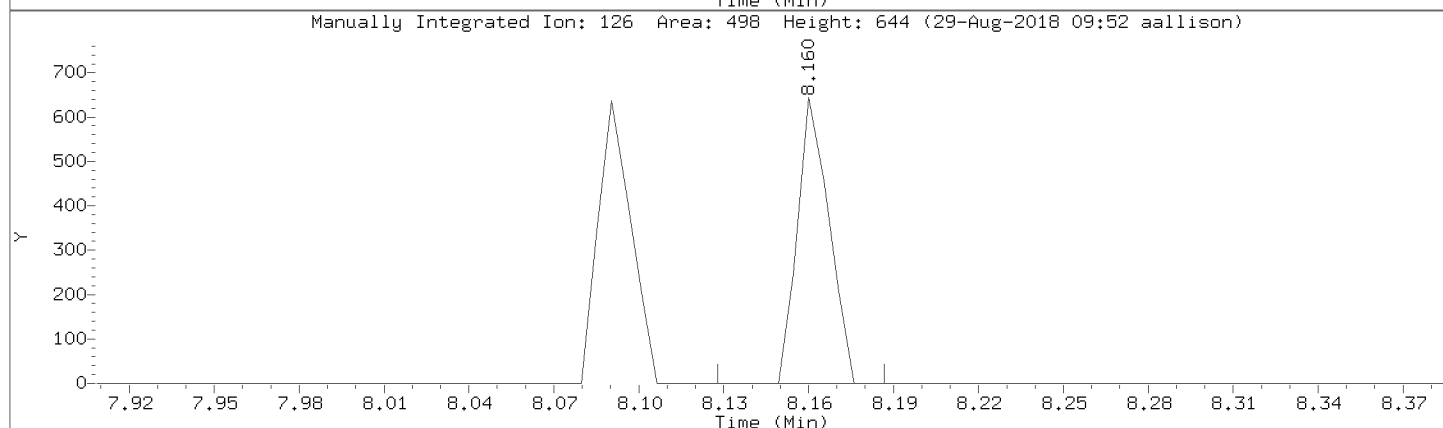
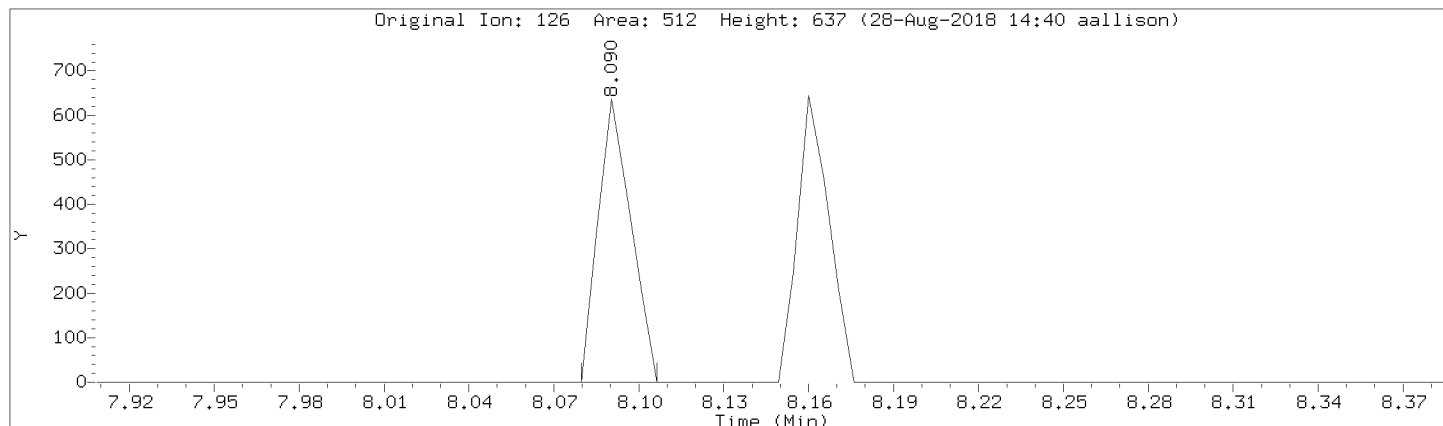
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Injection Date: 28-AUG-2018 14:20
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL1

Compound: 1,2-Dibromoethane Review Code: NI
CAS Number: 106-93-4



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a01.d
Injection Date: 28-AUG-2018 14:20
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL1

Compound: 4-Chlorotoluene Review Code: WP
CAS Number: 106-43-4



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Injection Date: 28-AUG-2018 14:20

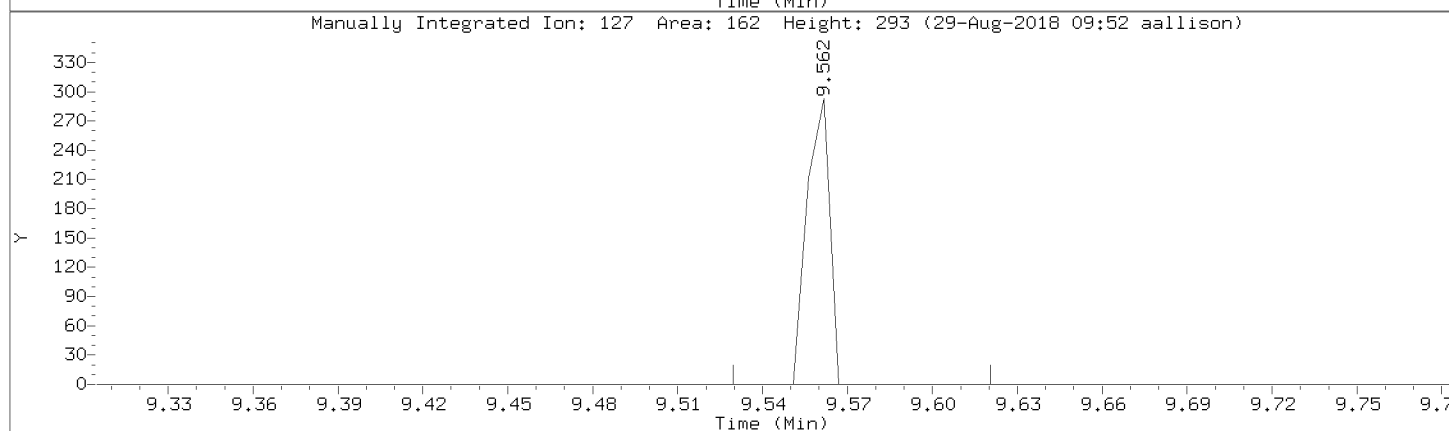
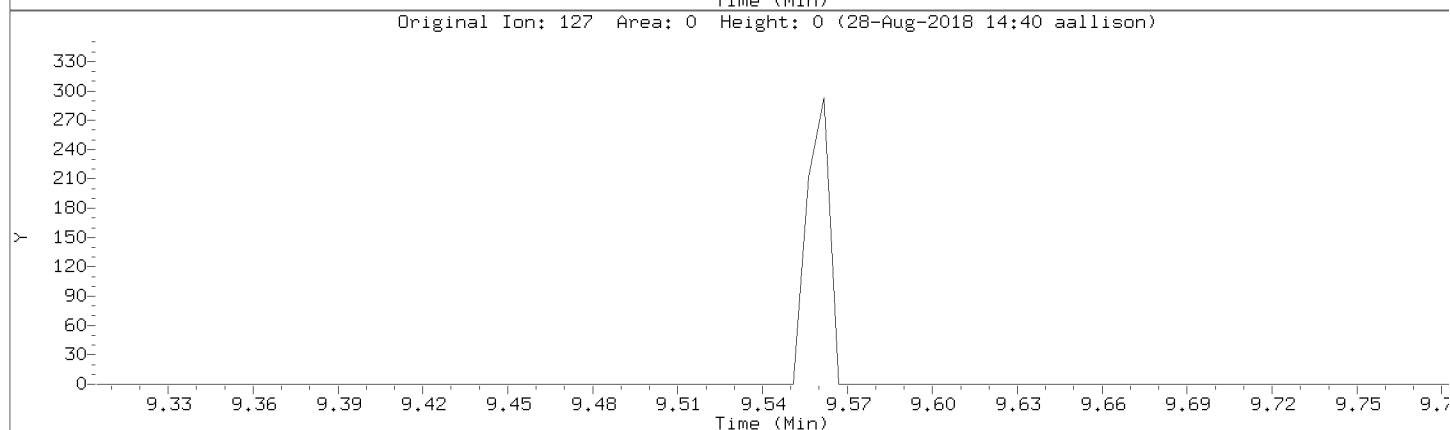
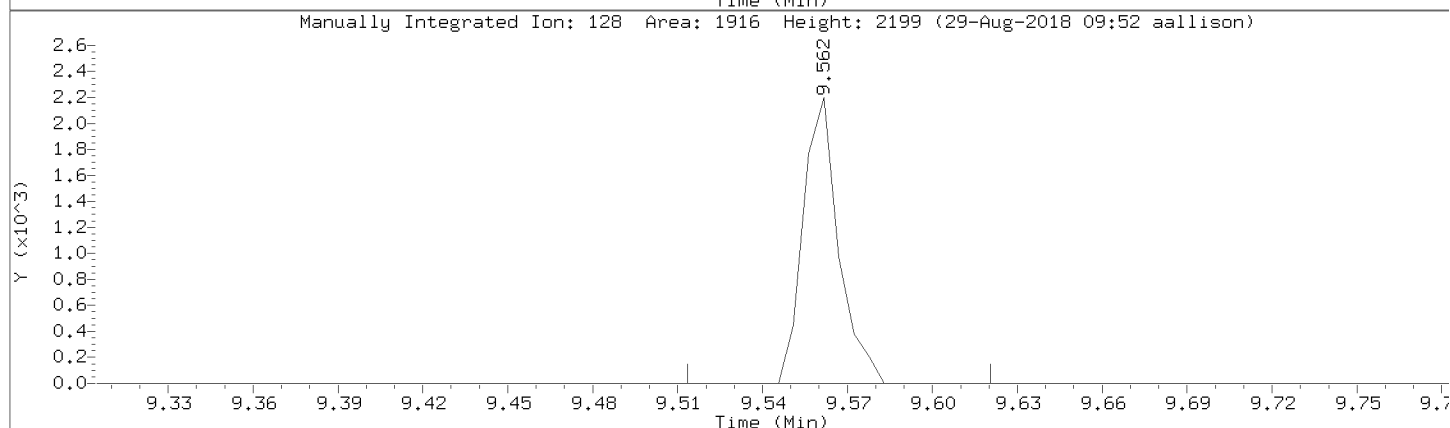
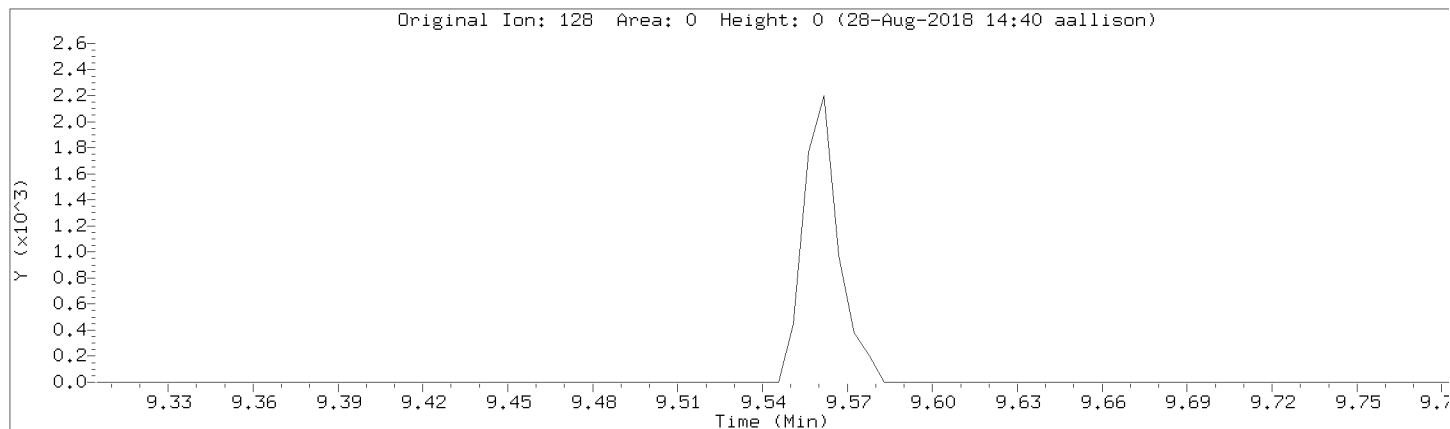
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL1

Compound: Naphthalene

Review Code: NI

CAS Number: 91-20-3



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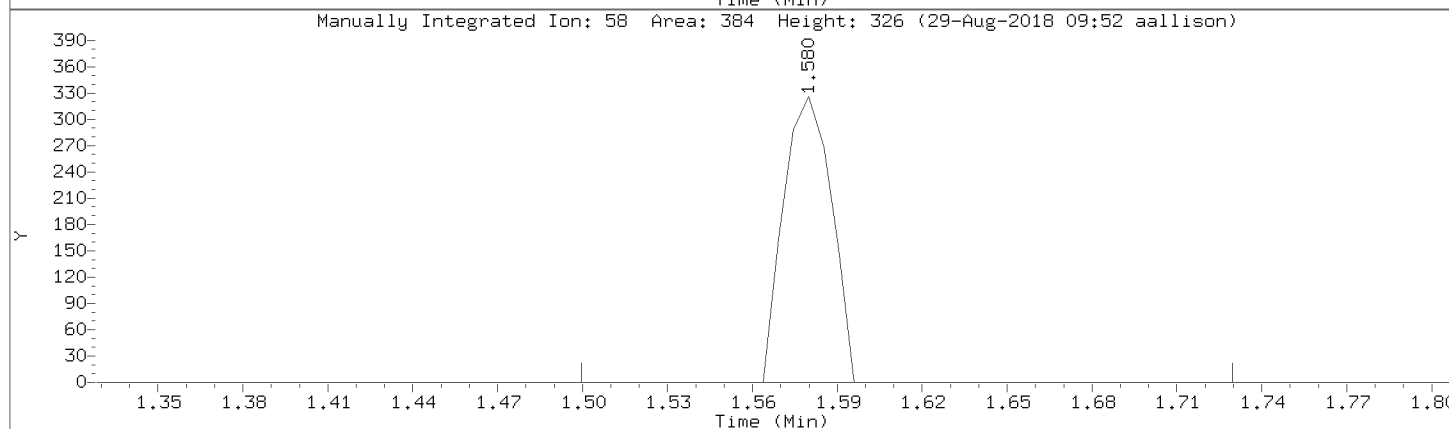
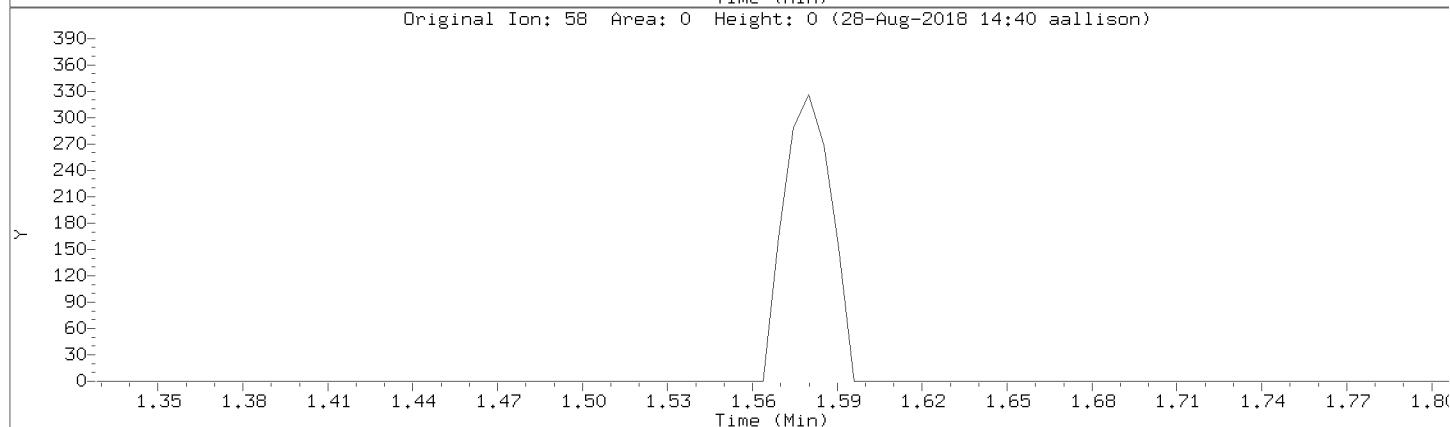
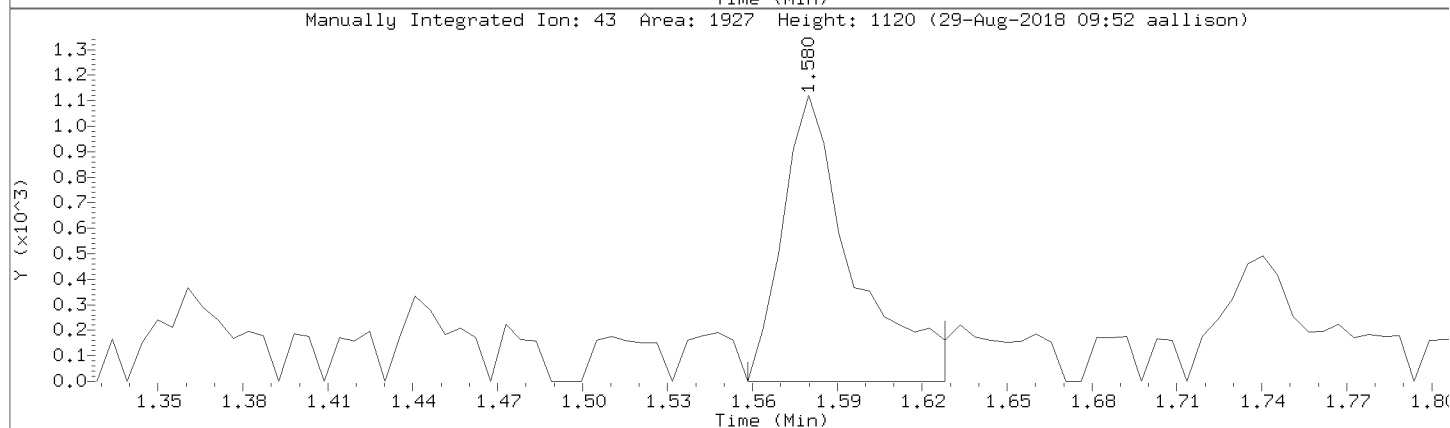
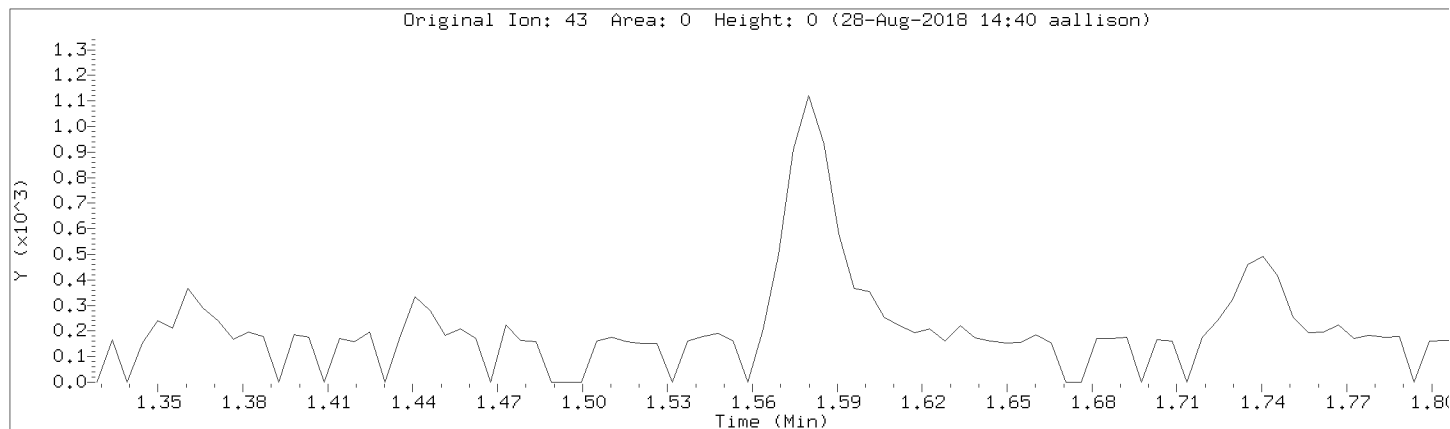
Injection Date: 28-AUG-2018 14:20

Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL1

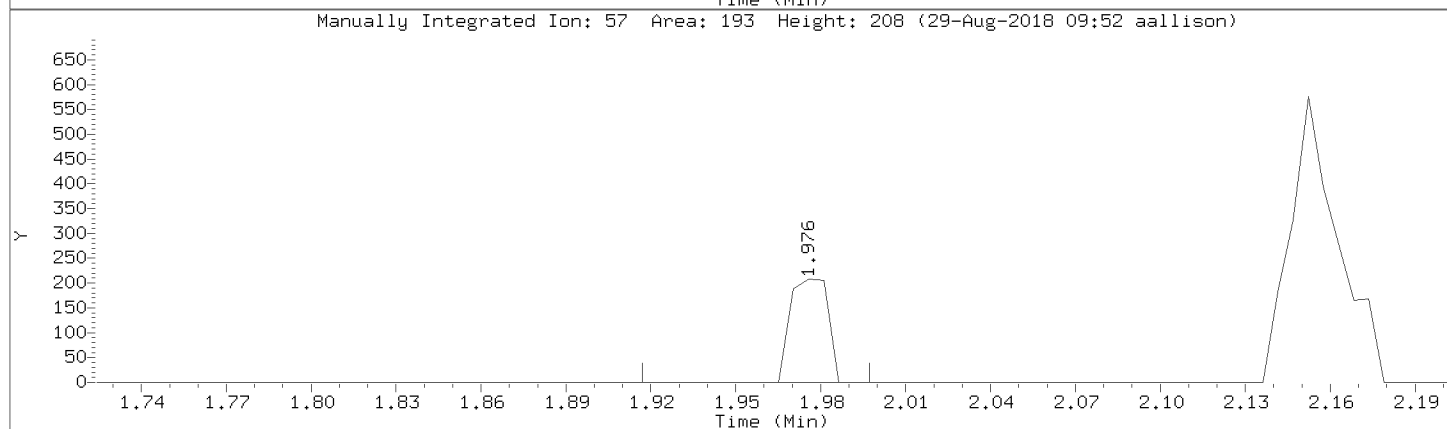
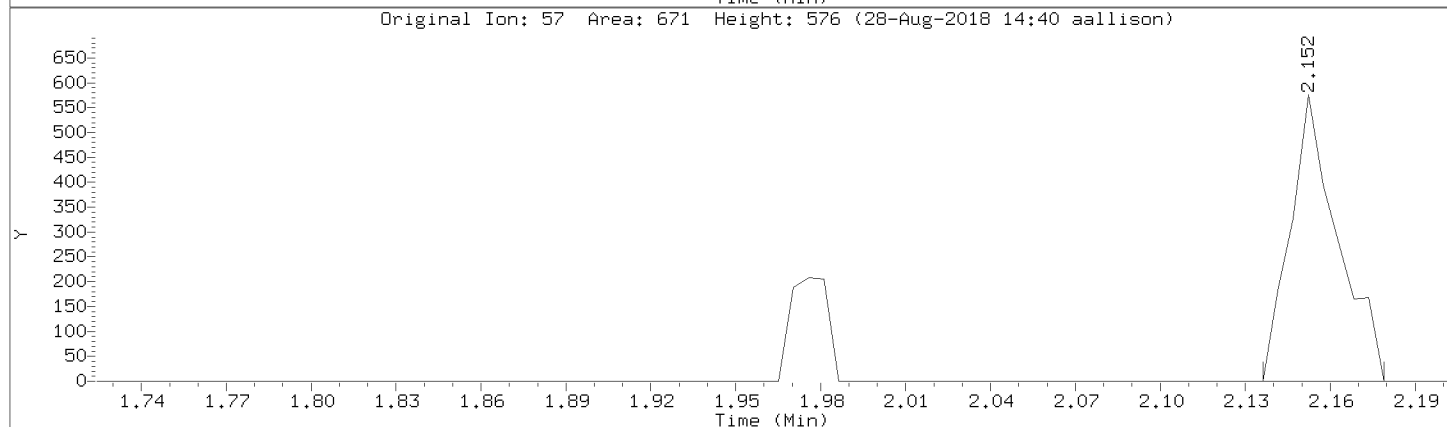
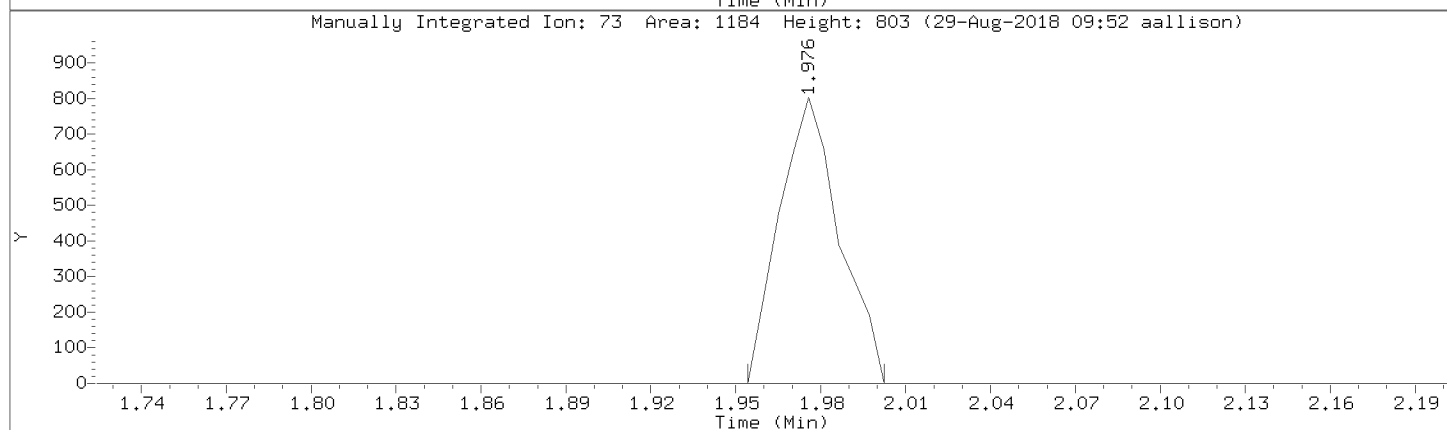
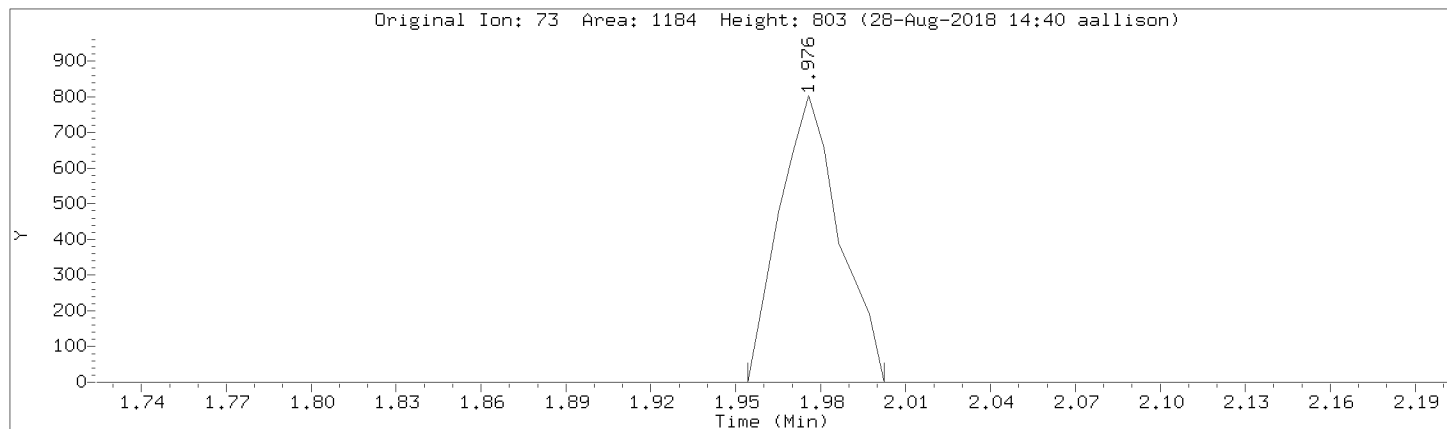
Compound: Acetone Review Code: NI

CAS Number: 67-64-1



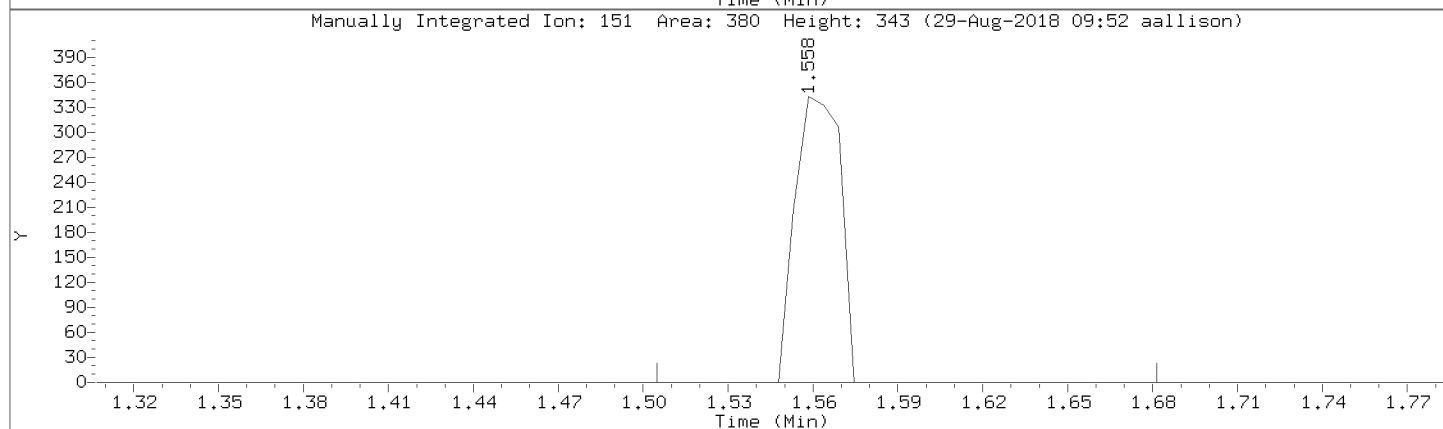
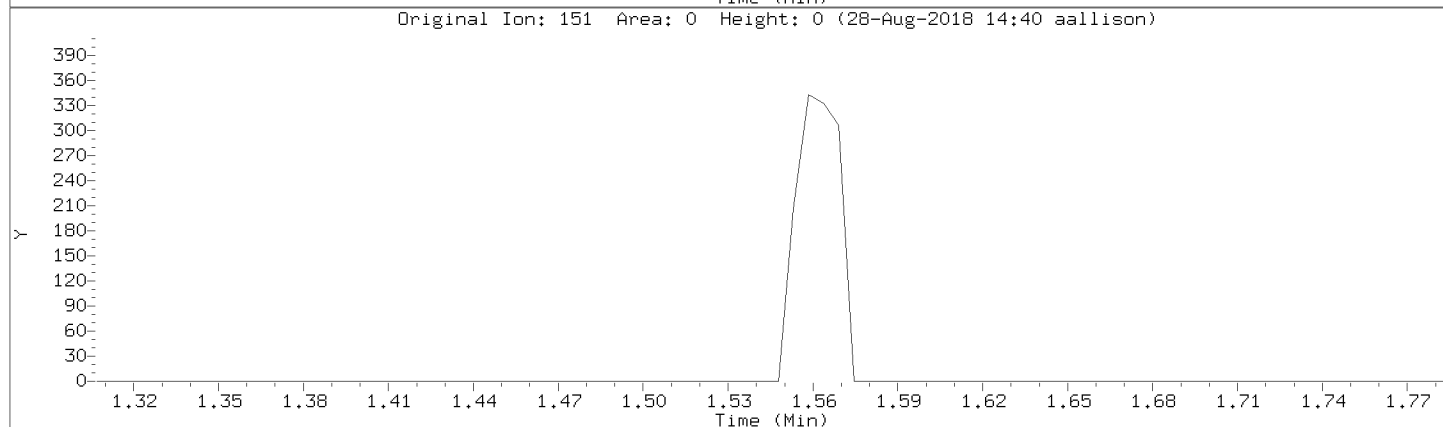
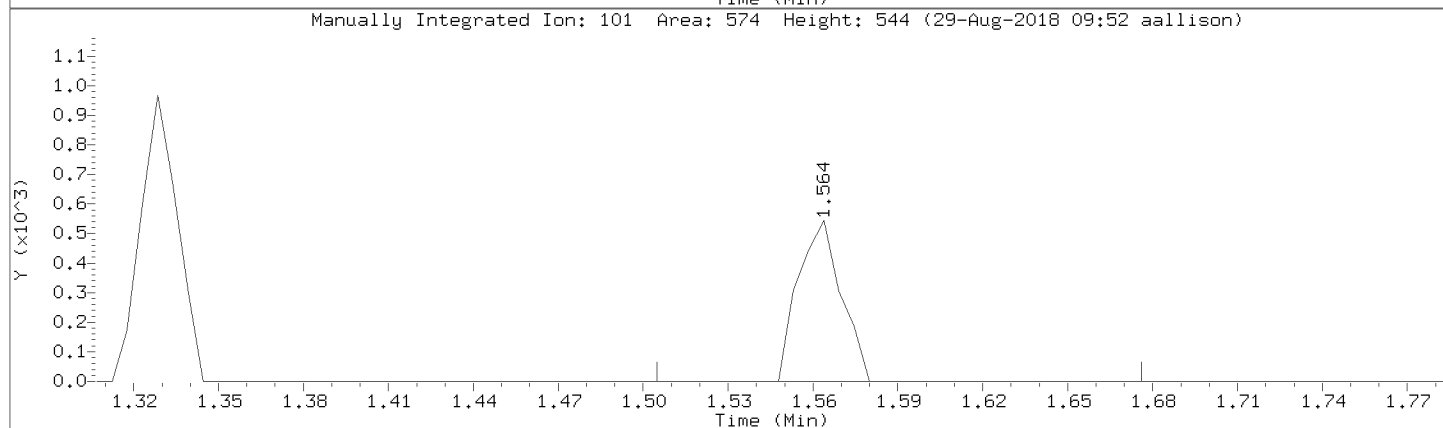
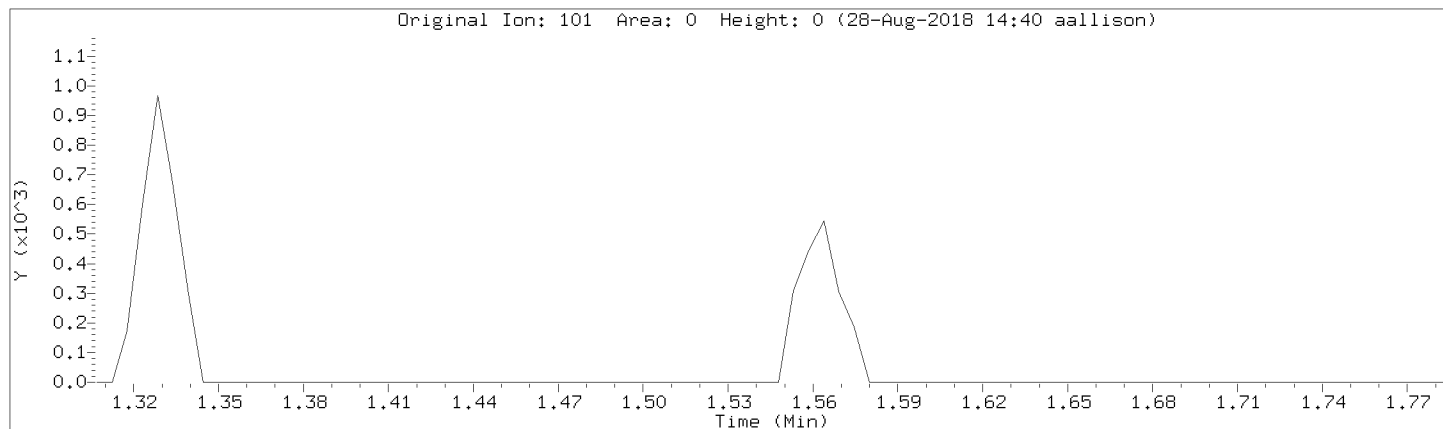
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Injection Date: 28-AUG-2018 14:20
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL1

Compound: Methyl-tert-butyl ether Review Code: WP
CAS Number: 1634-04-4



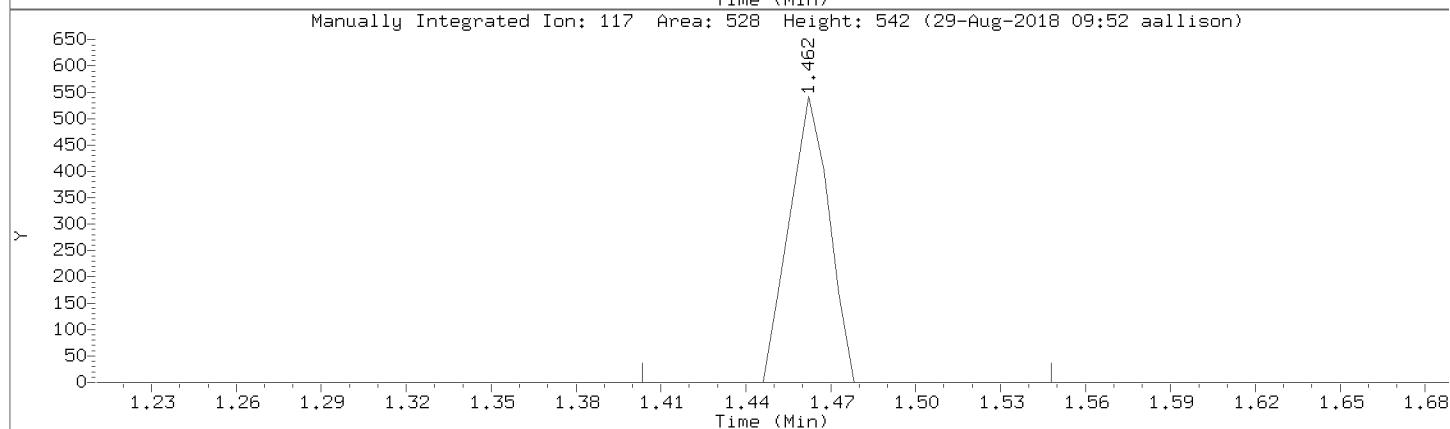
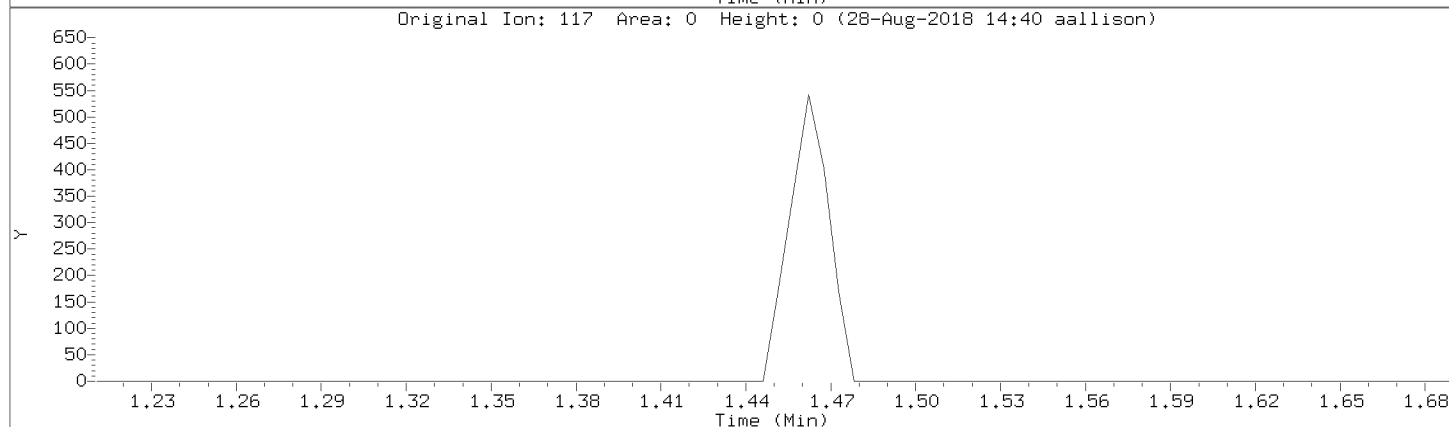
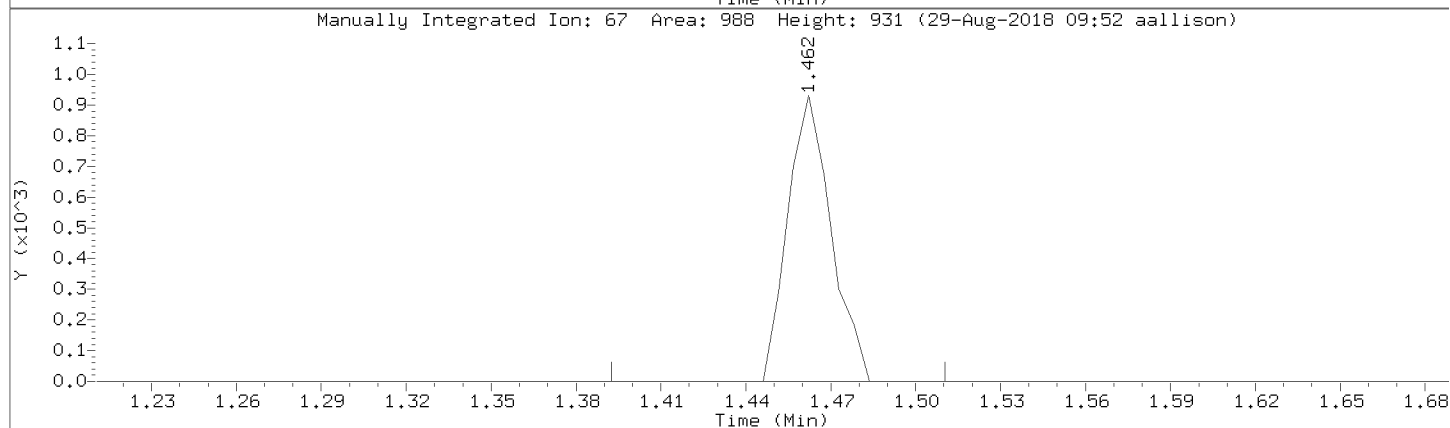
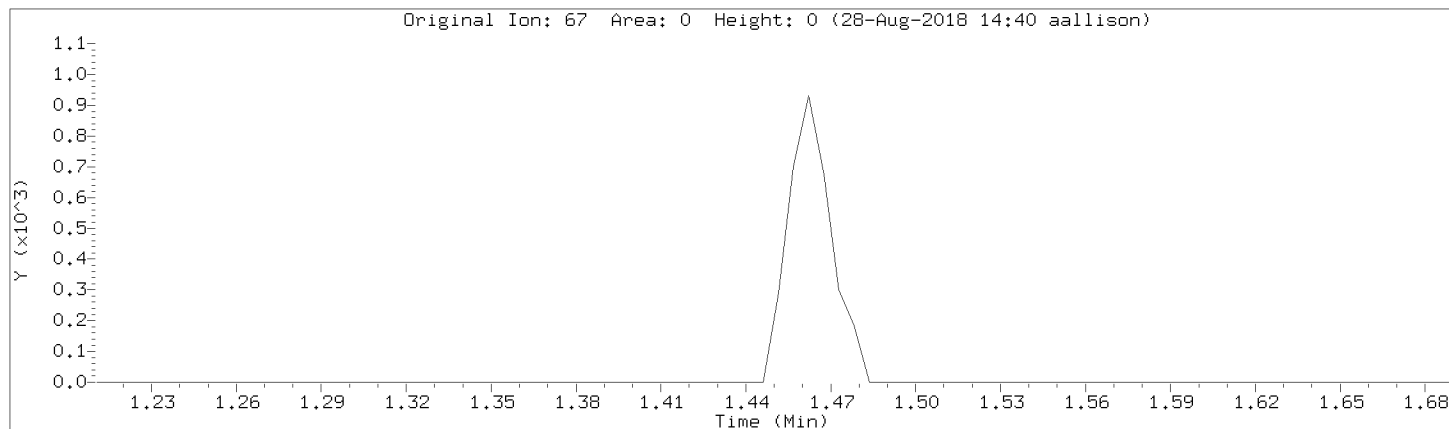
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Injection Date: 28-AUG-2018 14:20
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL1

Compound: 1,1,2trichlorotrifluoroethane Review Code: NI
CAS Number: 76-13-1

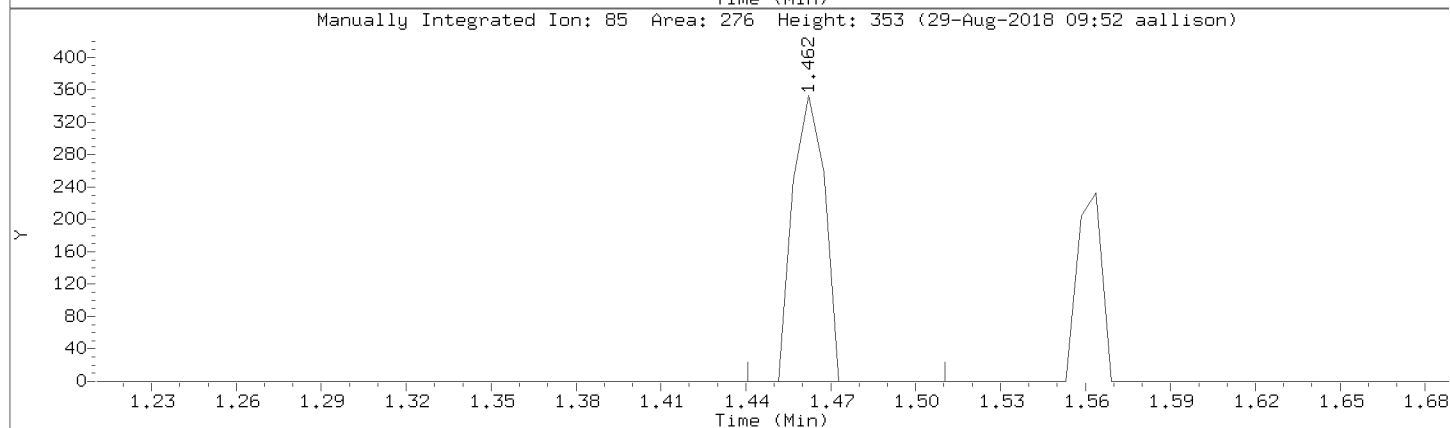
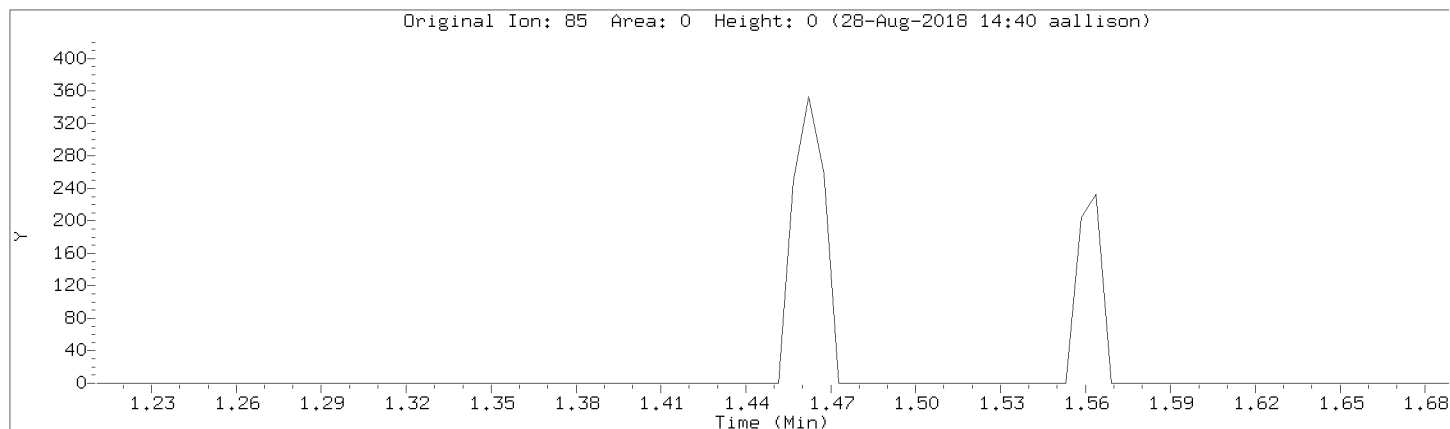


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Injection Date: 28-AUG-2018 14:20
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL1

Compound: 1,2-dichlorotrifluoroethane Review Code: NI
CAS Number: 354-23-4



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a01.d
Injection Date: 28-AUG-2018 14:20
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL1



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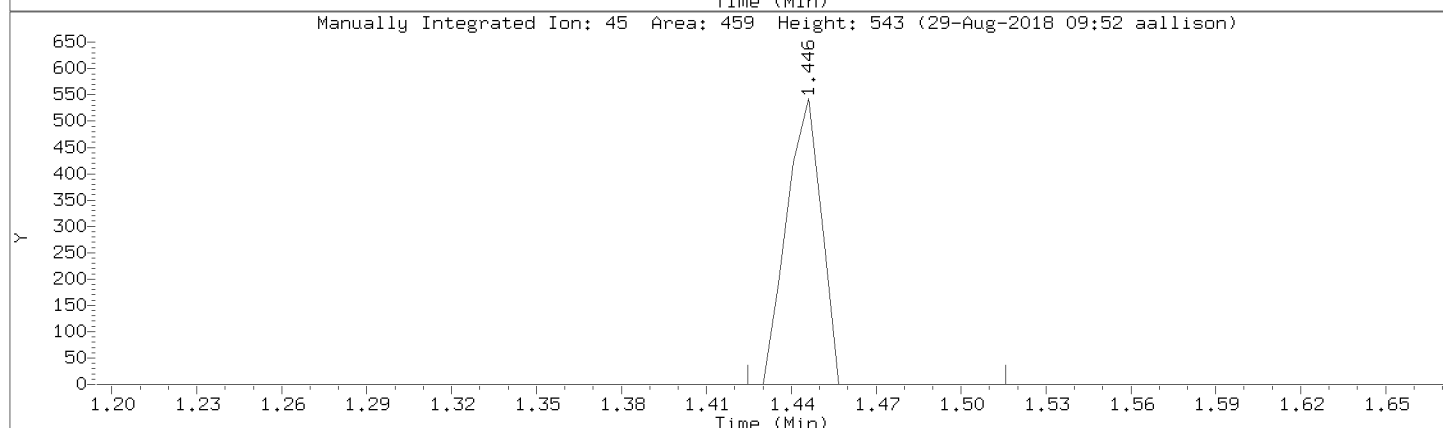
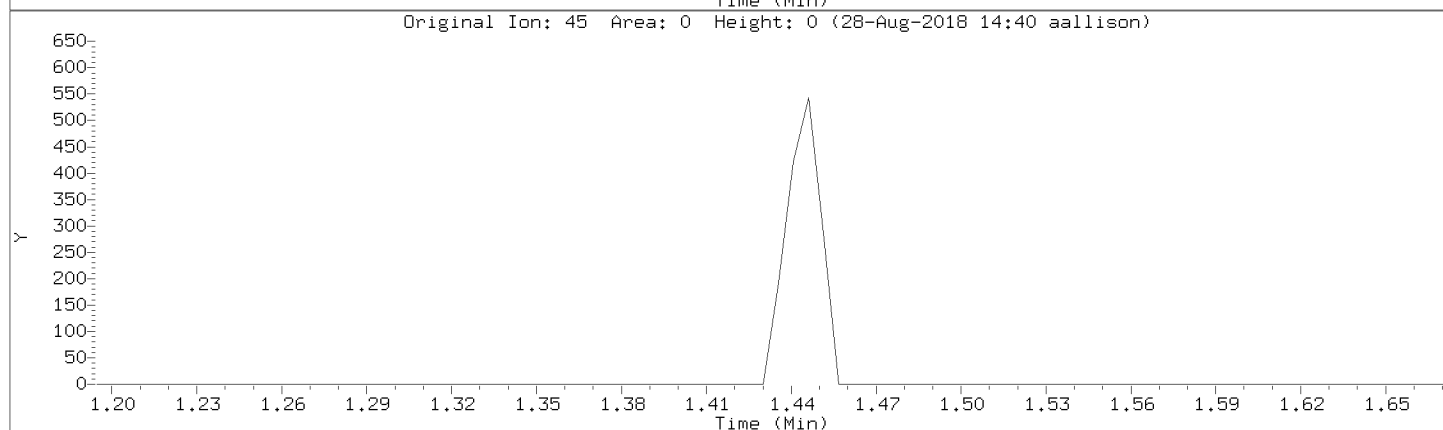
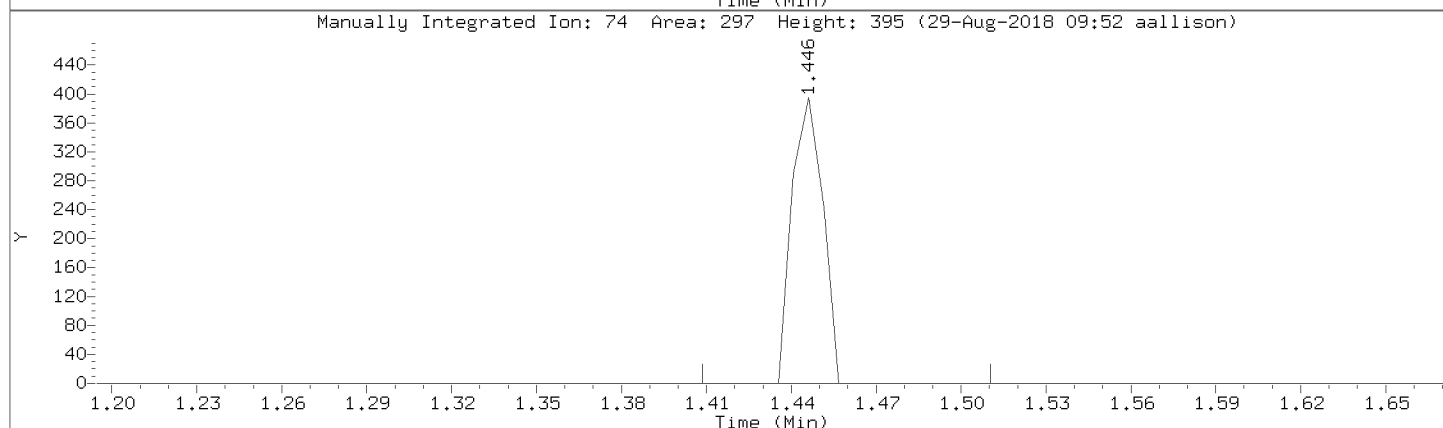
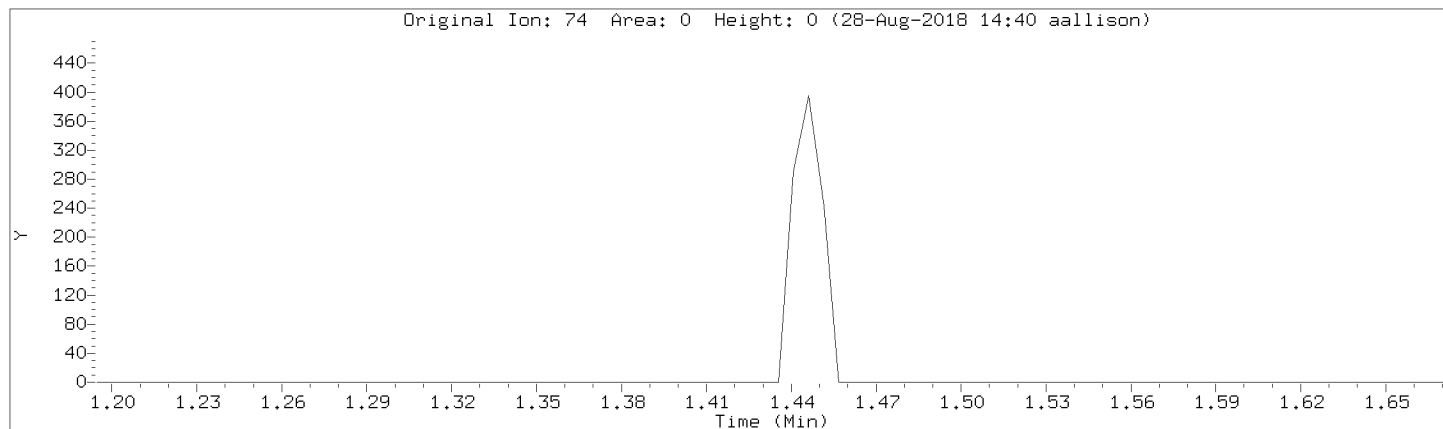
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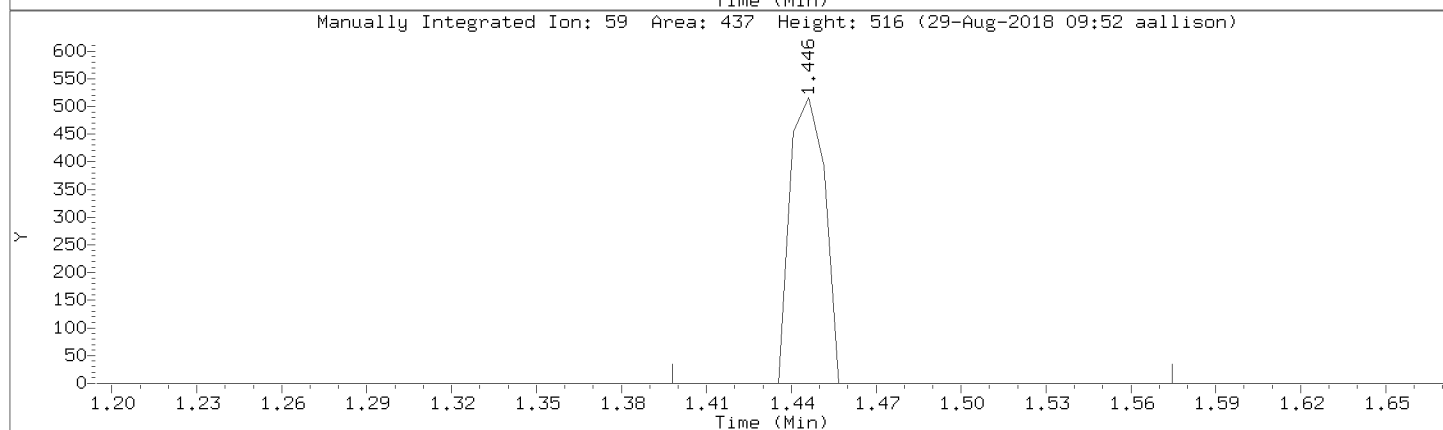
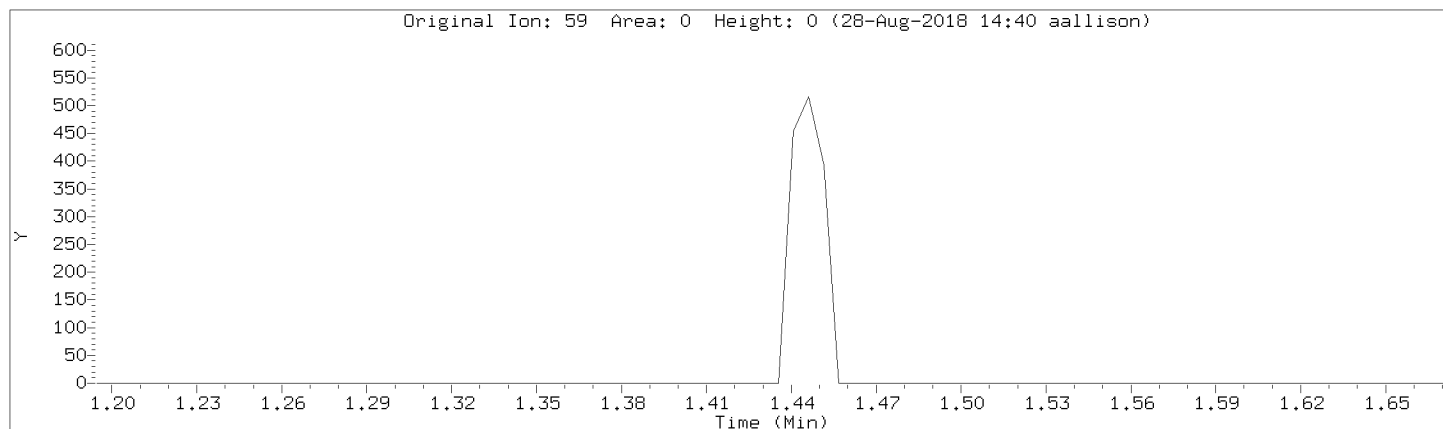
Compound: Diethyl ether

Review Code: NI

CAS Number: 60-29-7



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a01.d
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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL1



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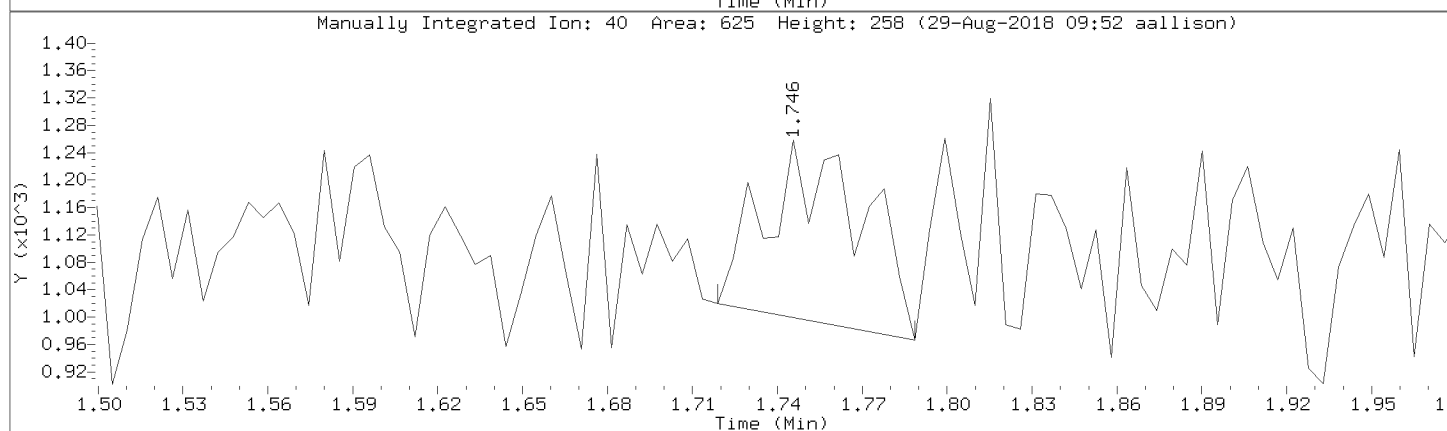
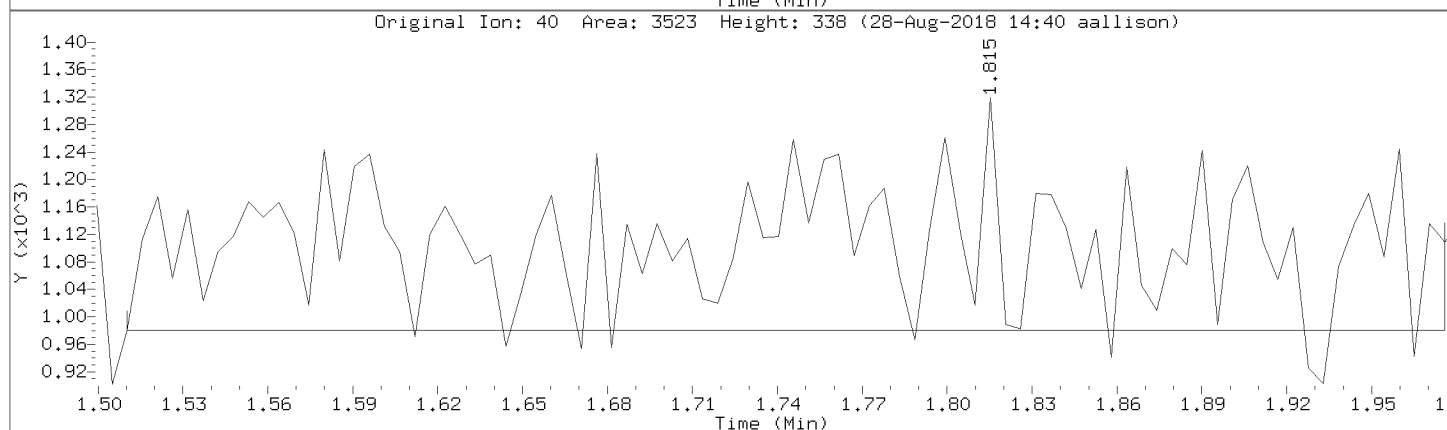
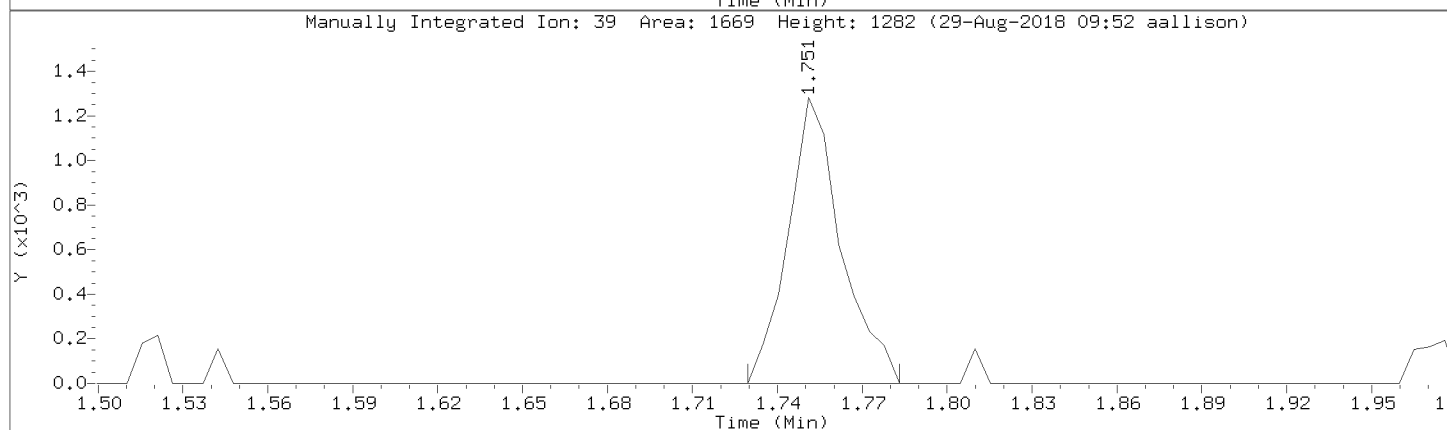
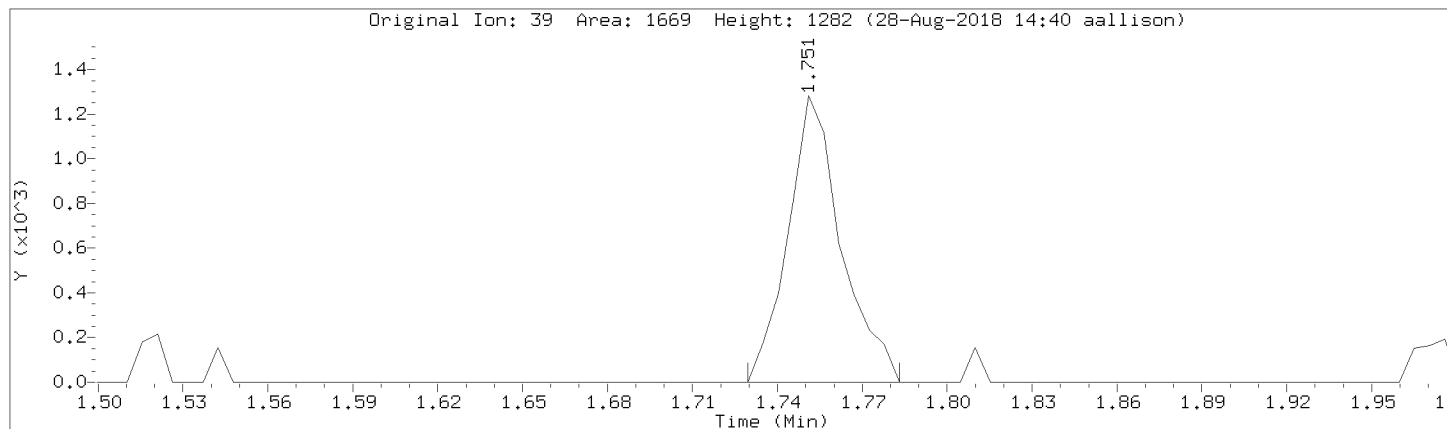
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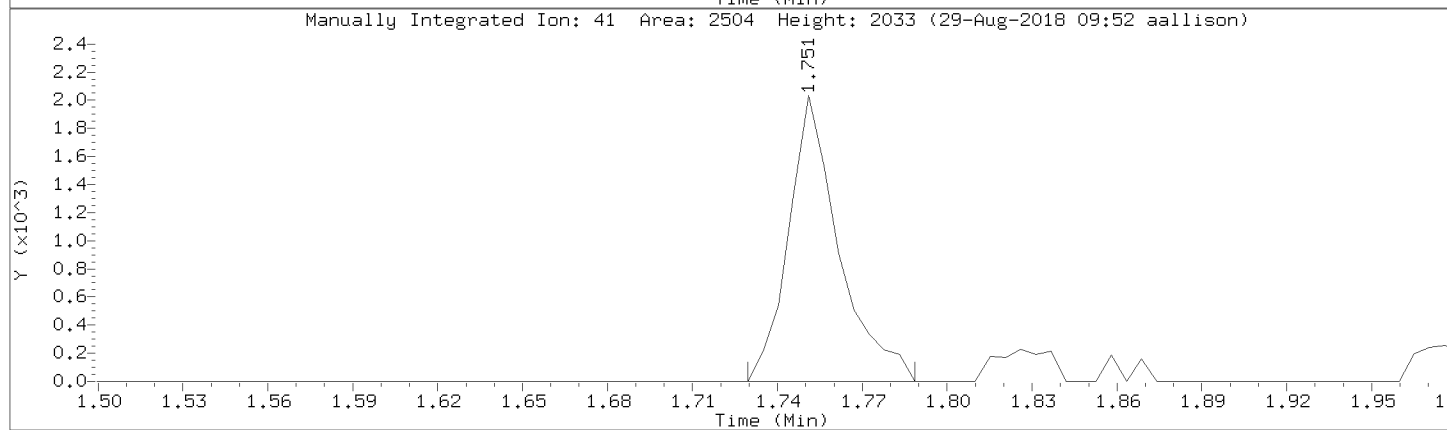
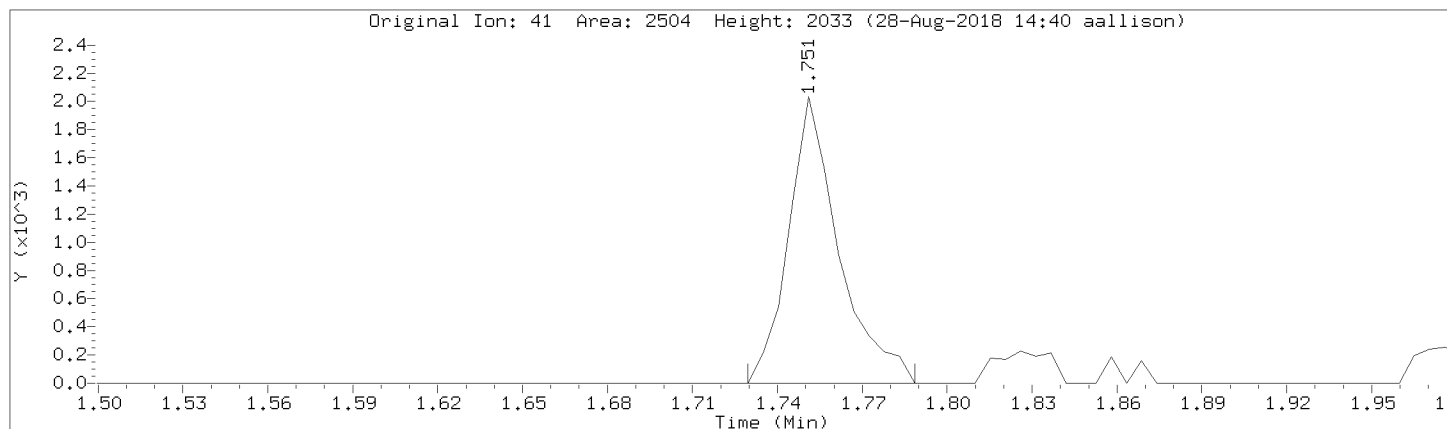
Compound: Acetonitrile

Review Code: GT

CAS Number: 75-05-8



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a01.d
Injection Date: 28-AUG-2018 14:20
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL1



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6a.i\a082818cal.b\a02.d
 Lab Smp Id: 8260-CAL2 Client Smp ID: 8260-CAL2
 Inj Date : 28-AUG-2018 14:59
 Operator : ala Inst ID: 50mv6a.i
 Smp Info : 8260-cal2,184848:0
 Misc Info : 117677
 Comment :
 Method : \\192.168.50.6\chem\50mv6a.i\a082818cal.b\ -a8260sl_a_c.m
 Meth Date : 29-Aug-2018 11:10 aallison Quant Type: ISTD
 Cal Date : 15-AUG-2018 16:38 Cal File: a10.d
 Als bottle: 3 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					
			CAL-AMT	ON-COL	RT	EXP RT	REL RT	RESPONSE
	MASS		(ppb)	(ppb)				
1 Dichlorodifluoromethane	85		2.00000	1.94 (M)	0.916	0.916	(0.228)	1772
2 Chloromethane	50		2.00000	2.34	0.996	0.996	(0.248)	2272
3 Vinyl Chloride	62		2.00000	1.94	1.039	1.039	(0.258)	2004
4 Bromomethane	94		2.00000	2.30	1.178	1.173	(0.293)	2118
5 Chloroethane	64		2.00000	2.04 (M)	1.221	1.221	(0.303)	1285
6 Trichlorofluoromethane	101		2.00000	2.06	1.328	1.328	(0.330)	2667
8 Diethyl ether	74		2.00000	2.10	1.445	1.446	(0.359)	989
7 1,2-dichlorotrifluoroethane	67		2.00000	1.81	1.461	1.462	(0.363)	2269
9 Acrolein	56		40.00000	44.1	1.515	1.515	(0.377)	5677
10 1,1,2trichlorotrifluoroethane	101		2.00000	1.47	1.563	1.558	(0.389)	1517
11 1,1-Dichloroethene	96		2.00000	1.78	1.568	1.563	(0.390)	1661
12 Acetone	43		10.00000	18.9	1.579	1.579	(0.393)	3837
13 Iodomethane	142		4.00000	2.14	1.654	1.649	(0.411)	2570
14 Carbon Disulfide	76		2.00000	2.10 (M)	1.697	1.692	(0.422)	6928
16 Methyl Acetate	43		2.00000	2.93 (M)	1.734	1.734	(0.431)	1637
143 Acetonitrile	39		2.00000	2.02 (M)	1.750	1.751	(0.435)	3986
15 allyl chloride	41		4.00000	4.79	1.750	1.751	(0.435)	6072
17 Methylene Chloride	84		2.00000	5.17	1.825	1.825	(0.454)	4804
18 tert-Butyl Alcohol	59		4.00000	4.28 (M)	1.863	1.863	(0.463)	452
19 Acrylonitrile	53		8.00000	8.00	1.954	1.954	(0.486)	2043
20 Methyl-tert-butyl ether	73		2.00000	1.96	1.975	1.975	(0.491)	3576
21 1,2-Dichloroethene (trans)	96		2.00000	1.79	1.986	1.986	(0.494)	1724
22 n-Hexane	57		2.00000	1.53 (M)	2.152	2.152	(0.535)	1754

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)
24 Vinyl Acetate	43		2.264	2.264	(0.563)	7210	8.00000	6.89 (M)	
23 1,1-Dichloroethane	63		2.275	2.275	(0.565)	2670	2.00000	1.93 (M)	
147 chloroprene	53		2.323	2.323	(0.577)	1574	2.00000	1.35 (M)	
28 2-Butanone	72		2.719	2.713	(0.676)	427	10.00000	5.94 (QM)	
26 1,2-Dichloroethene (cis)	96		2.724	2.724	(0.677)	1415	2.00000	1.82	
27 2,2-Dichloropropane	77		2.724	2.730	(0.677)	1830	2.00000	1.75 (M)	
151 Ethyl Acetate	88		2.745	2.751	(0.682)	156	16.00000	6.82 (QM)	
144 Methacrylonitrile	41		2.906	2.906	(0.722)	411	2.00000	1.34 (QM)	
30 Bromochloromethane	49		2.943	2.944	(0.731)	1066	2.00000	1.91	
31 Tetrahydrofuran	42		2.975	2.965	(0.739)	225	2.00000	1.19 (QM)	
32 Chloroform	83		3.050	3.045	(0.758)	2842	2.00000	2.19	
\$ 33 Dibromofluoromethane (S)	113		3.216	3.216	(0.799)	23532	50.00000	51.7	
34 1,1,1-Trichloroethane	97		3.211	3.211	(0.798)	1926	2.00000	1.64	
35 Cyclohexane	56		3.286	3.286	(0.817)	1662	2.00000	1.31	
150 n-Butyl chloride	56		3.350	3.350	(0.833)	2137	2.00000	1.45 (M)	
36 Carbon Tetrachloride	117		3.387	3.382	(0.842)	1638	2.00000	1.53 (M)	
37 1,1-Dichloropropene	75		3.393	3.388	(0.843)	1373	2.00000	1.30 (M)	
39 Benzene	78		3.628	3.623	(0.902)	4977	2.00000	1.93	
40 1,2-Dichloroethane	62		3.703	3.709	(0.920)	1484	2.00000	1.86 (M)	
145 isopropyl acetate	61		3.740	3.735	(0.930)	1359	8.00000	5.81 (Q)	
141 2,2,4-Trimethylpentane	57		3.778	3.778	(0.939)	3329	2.00000	1.31	
38 Isobutyl alcohol	43		3.559	3.548	(0.884)	357	18.00000	11.0 (QM)	
* 41 Fluorobenzene	96		4.024	4.024	(1.000)	66748	50.00000		
42 Trichloroethene	95		4.484	4.479	(1.114)	1098	2.00000	1.45	
43 Methylcyclohexane	55		4.735	4.736	(1.177)	1275	2.00000	1.27 (M)	
44 1,2-Dichloropropane	63		4.789	4.784	(1.190)	1073	2.00000	1.56 (M)	
45 Dibromomethane	93		4.885	4.880	(1.214)	607	2.00000	1.57	
46 Methyl methacrylate	69		4.912	4.907	(1.221)	366	2.00000	1.00 (QM)	
47 Bromodichloromethane	83		5.105	5.105	(1.269)	1638	2.00000	1.76 (M)	
48 2-Chloroethyl vinyl ether	63		5.468	5.453	(0.765)	109	4.00000	0.759 (QM)	
49 cis-1,3-Dichloropropene	75		5.597	5.586	(0.783)	1574	2.00000	1.38 (M)	
50 4-Methyl-2-Pentanone	43		5.768	5.763	(0.807)	4907	10.00000	8.25	
\$ 51 Toluene-d8	98		5.848	5.848	(0.818)	79988	50.00000	50.7	
52 Toluene	91		5.923	5.918	(0.829)	5391	2.00000	1.81	
53 trans-1,3-Dichloropropene	75		6.212	6.201	(0.869)	1221	2.00000	1.25 (M)	
54 Ethyl Methacrylate	69		6.298	6.292	(0.881)	1025	2.00000	1.40 (M)	
55 1,1,2-Trichloroethane	83		6.394	6.389	(0.894)	835	2.00000	1.55 (Q)	
56 Tetrachloroethene	166		6.431	6.432	(0.900)	1276	2.00000	1.41	
57 1,3-Dichloropropane	76		6.533	6.533	(0.914)	1494	2.00000	1.57 (M)	
58 2-Hexanone	43		6.613	6.603	(0.925)	3466	10.00000	7.96 (M)	
59 Dibromochloromethane	129		6.715	6.715	(0.939)	1208	2.00000	1.60	
60 1,2-Dibromoethane	107		6.795	6.790	(0.951)	815	2.00000	1.81	
* 61 Chlorobenzene-d5	117		7.148	7.148	(1.000)	53111	50.00000		
62 Chlorobenzene	112		7.170	7.170	(1.003)	3418	2.00000	1.79	
63 1,1,1,2-Tetrachloroethane	131		7.245	7.245	(1.013)	1076	2.00000	1.51	
64 Ethylbenzene	106		7.250	7.245	(1.014)	1624	2.00000	1.80 (Q)	
65 m&p-Xylene	106		7.341	7.341	(1.027)	4490	4.00000	3.66	
67 o-Xylene	106		7.587	7.582	(1.061)	1992	2.00000	1.90 (Q)	
68 Styrene	104		7.603	7.598	(1.064)	3178	2.00000	1.49	
69 Bromoform	173		7.710	7.710	(0.904)	745	2.00000	1.64 (M)	
146 n-amyl acetate	70		7.731	7.726	(1.921)	2654	8.00000	6.49 (TM)	
70 Isopropylbenzene	105		7.812	7.812	(1.093)	5131	2.00000	1.49	
\$ 72 4-Bromofluorobenzene	95		7.913	7.913	(1.107)	27386	50.00000	50.4	
74 Bromobenzene	77		7.977	7.978	(1.116)	2145	2.00000	1.97	

Compounds	QUANT SIG MASS						AMOUNTS	
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)	
73 1,1,2,2-Tetrachloroethane	83	7.999	7.999	(0.938)	1499	2.00000	1.93 (M)	
71 trans-1,4-Dichloro-2-butene	53	8.026	8.020	(1.123)	266	2.00000	1.36 (QM)	
75 1,2,3-Trichloropropane	110	8.026	8.026	(0.941)	336	2.00000	1.72 (M)	
76 n-Propylbenzene	91	8.047	8.047	(0.944)	6940	2.00000	1.86	
77 2-Chlorotoluene	91	8.090	8.090	(0.949)	4061	2.00000	1.89	
78 1,3,5-Trimethylbenzene	105	8.149	8.149	(0.955)	3828	2.00000	1.72	
79 4-Chlorotoluene	126	8.159	8.159	(0.957)	1286	2.00000	1.80	
80 tert-Butylbenzene	119	8.309	8.309	(0.974)	4797	2.00000	1.63	
81 1,2,4-Trimethylbenzene	105	8.347	8.341	(0.979)	3851	2.00000	1.71	
82 sec-Butylbenzene	105	8.427	8.427	(0.988)	5673	2.00000	1.56	
83 1,3-Dichlorobenzene	146	8.486	8.486	(0.995)	2909	2.00000	2.05	
84 p-Isopropyltoluene	119	8.507	8.507	(0.997)	4397	2.00000	1.50	
* 85 1,4-Dichlorobenzene-d4	152	8.528	8.529	(1.000)	28331	50.00000		
86 1,4-Dichlorobenzene	146	8.539	8.539	(1.001)	3022	2.00000	1.94	
87 n-Butylbenzene	91	8.705	8.705	(1.021)	4279	2.00000	1.45	
88 1,2-Dichlorobenzene	146	8.710	8.711	(1.021)	2501	2.00000	1.87	
89 1,2-Dibromo-3-chloropropane	155	9.079	9.080	(1.065)	251	2.00000	1.94 (M)	
90 1,2,4-Trichlorobenzene	180	9.443	9.443	(1.107)	1774	2.00000	1.91 (M)	
91 Hexachlorobutadiene	225	9.502	9.502	(1.114)	894	2.00000	1.50	
92 Naphthalene	128	9.561	9.556	(1.121)	4232	2.00000	1.75 (M)	
93 1,2,3-Trichlorobenzene	180	9.652	9.652	(1.132)	1965	2.00000	2.00	
94 2-methyl-naphthalene	142	10.058	10.059	(1.179)	2409	2.00000	1.62	
148 1-Methylnaphthalene	141	10.144	10.144	(1.189)	2040	2.00000	1.69	

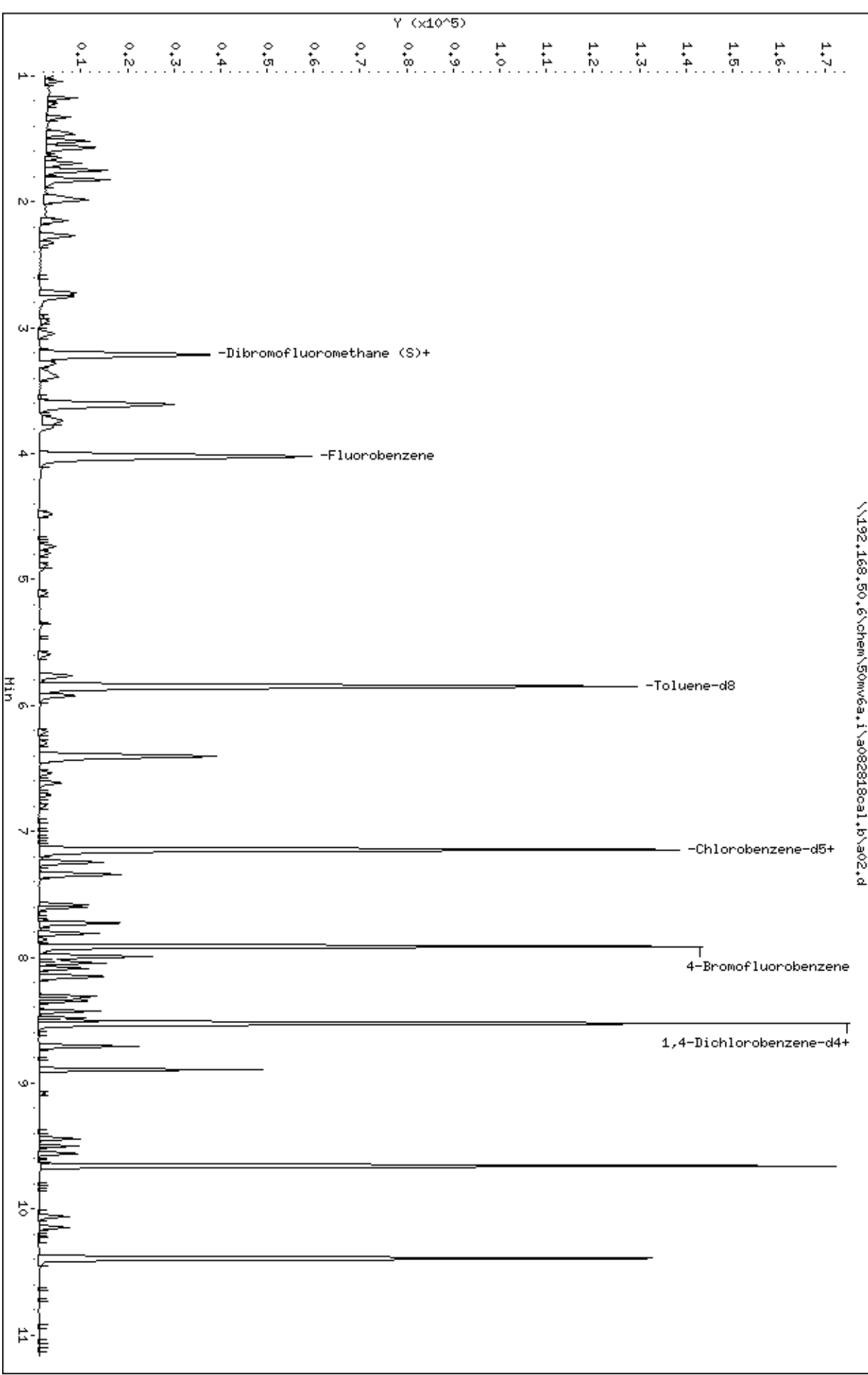
QC Flag Legend

- T - Target compound detected outside RT window.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: \\192.168.50.6\chem\50mw6a.i\A082818cal.b\A02.d
Date: 28-AUG-2018 14:59
Client ID: 8260-CAL2
Sample Info: 8260-CAL2,184848;0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw6a.i
Operator: alia
Column diameter: 0.18

\\192.168.50.6\chem\50mw6a.i\A082818cal.b\A02.d



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a02.d

Injection Date: 28-AUG-2018 14:59

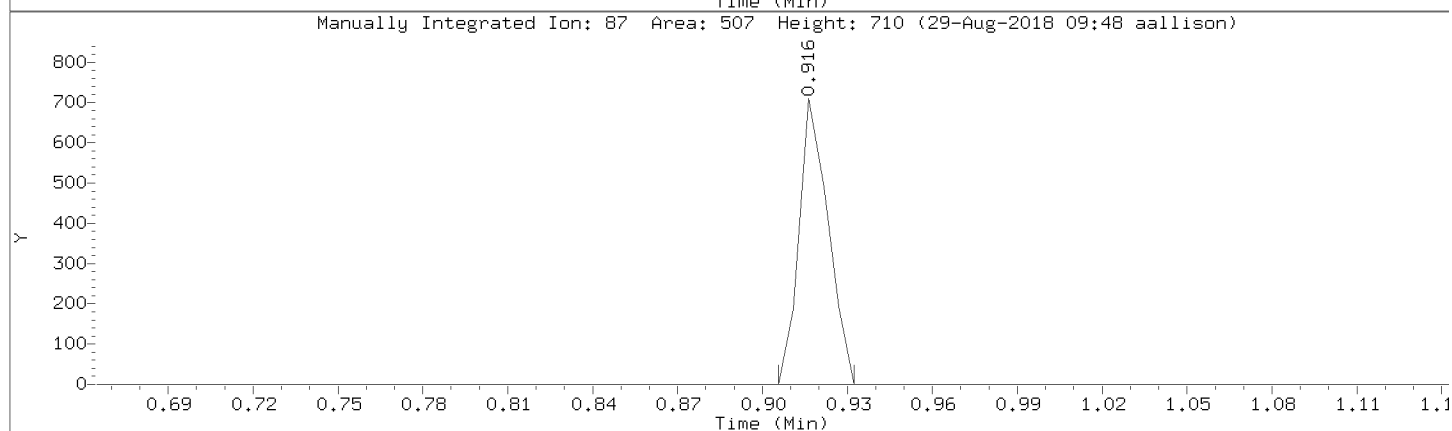
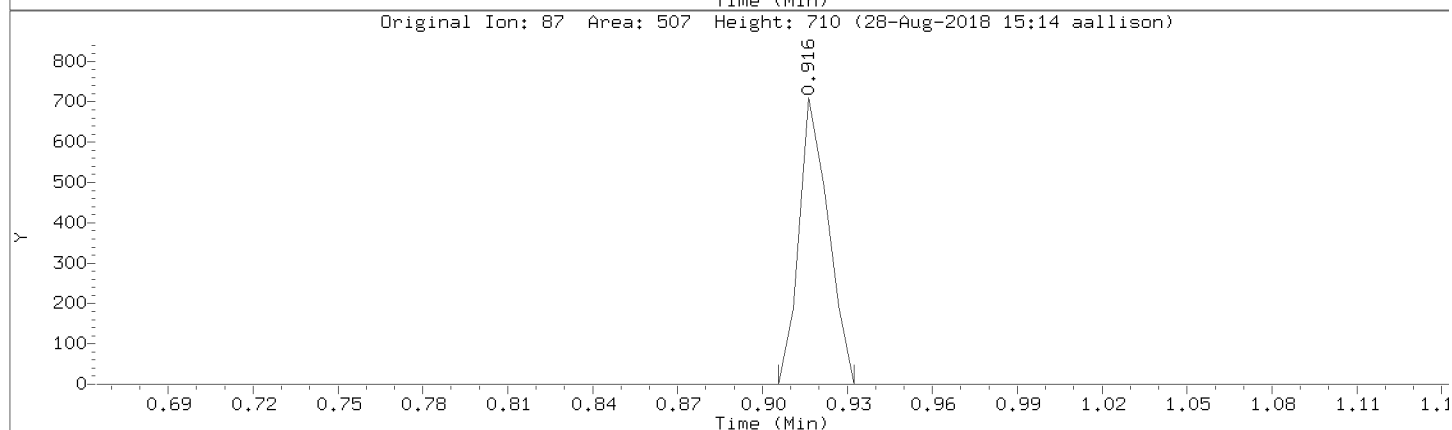
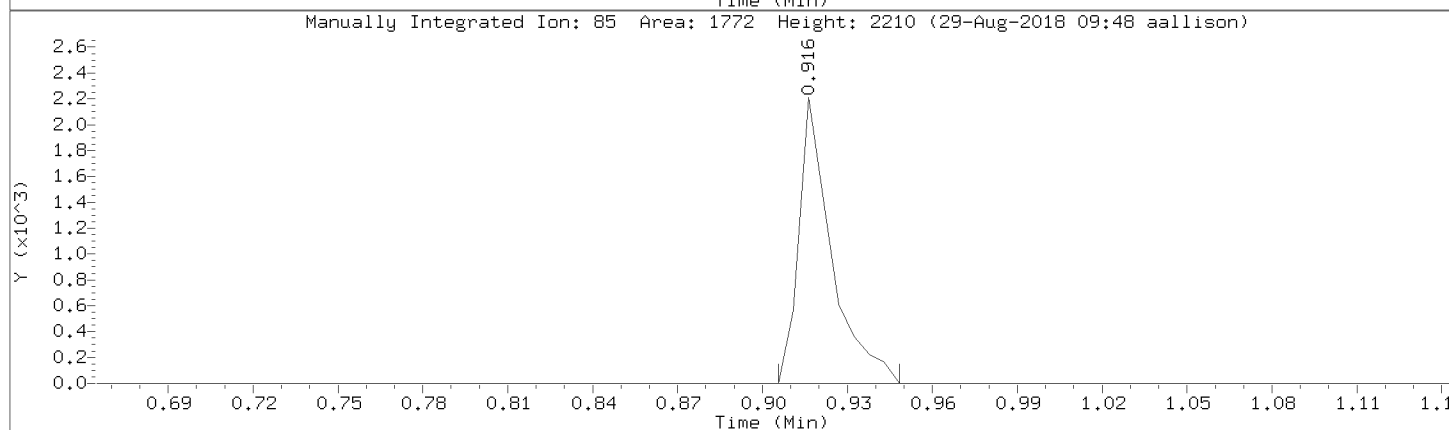
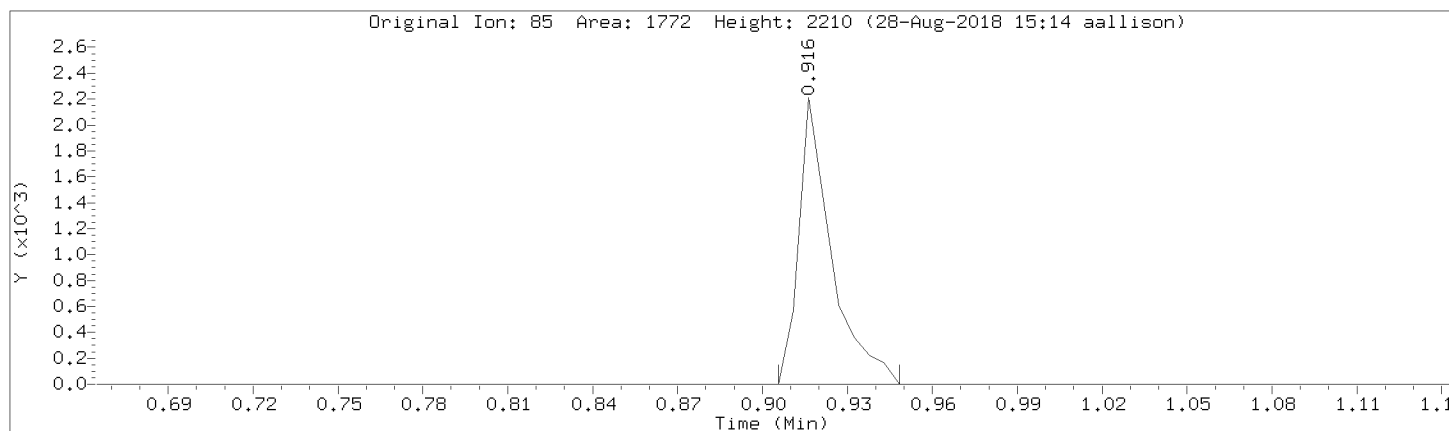
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL2

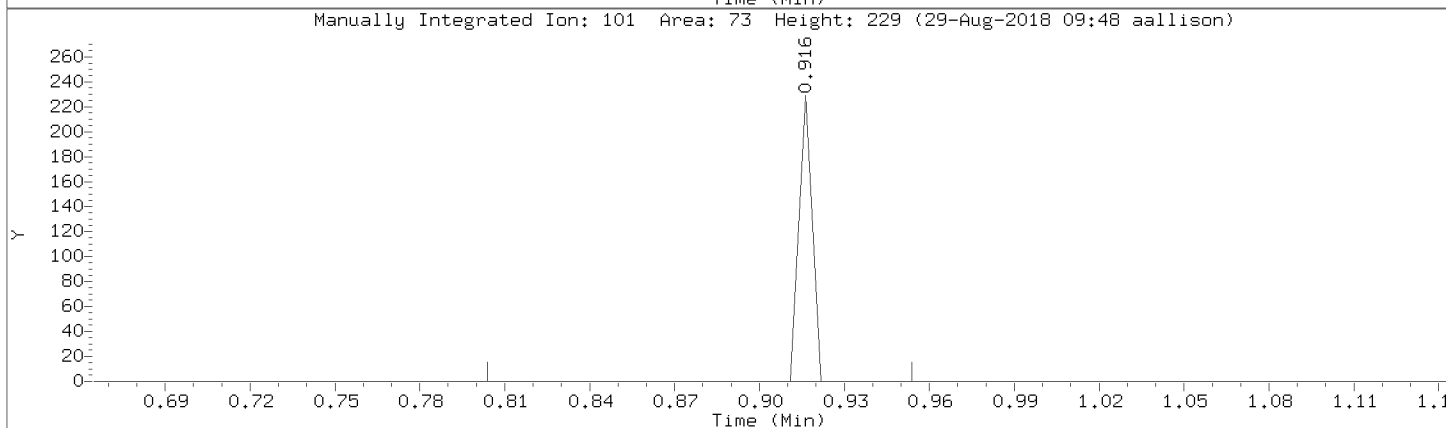
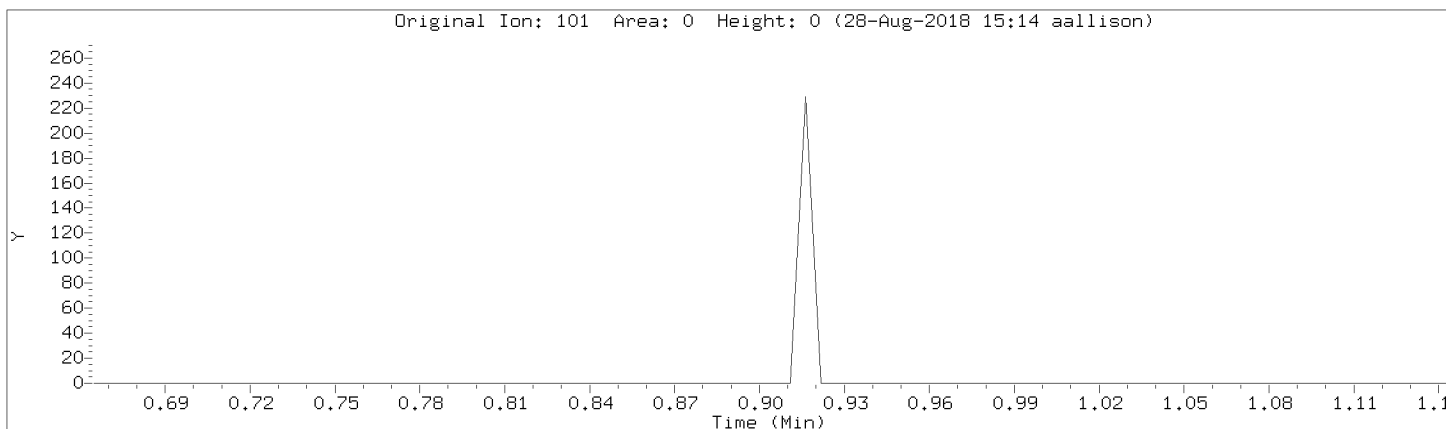
Compound: Dichlorodifluoromethane

Review Code: NI

CAS Number: 75-71-8



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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 28-AUG-2018 14:59

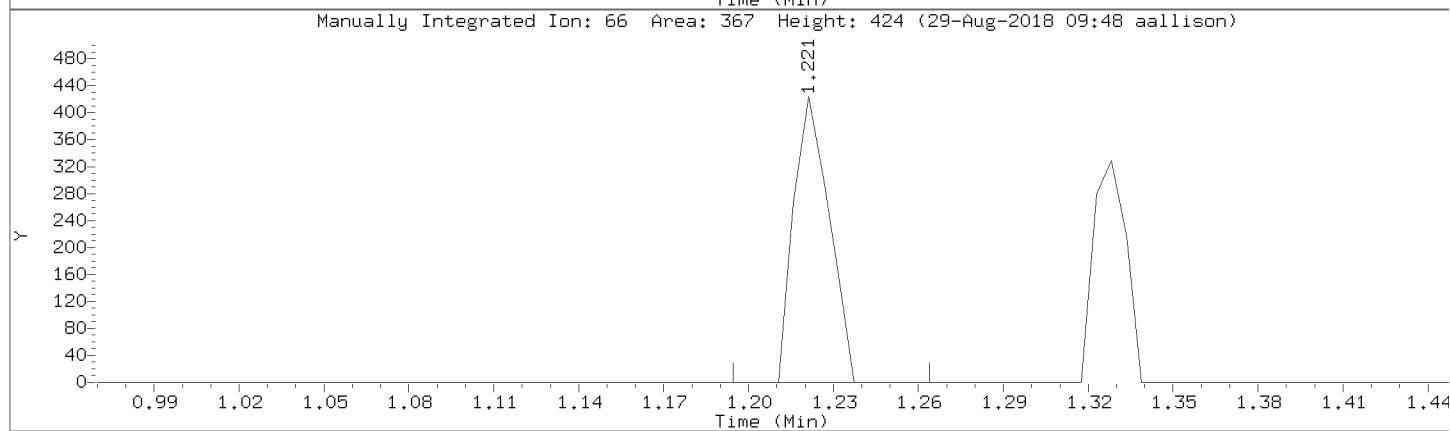
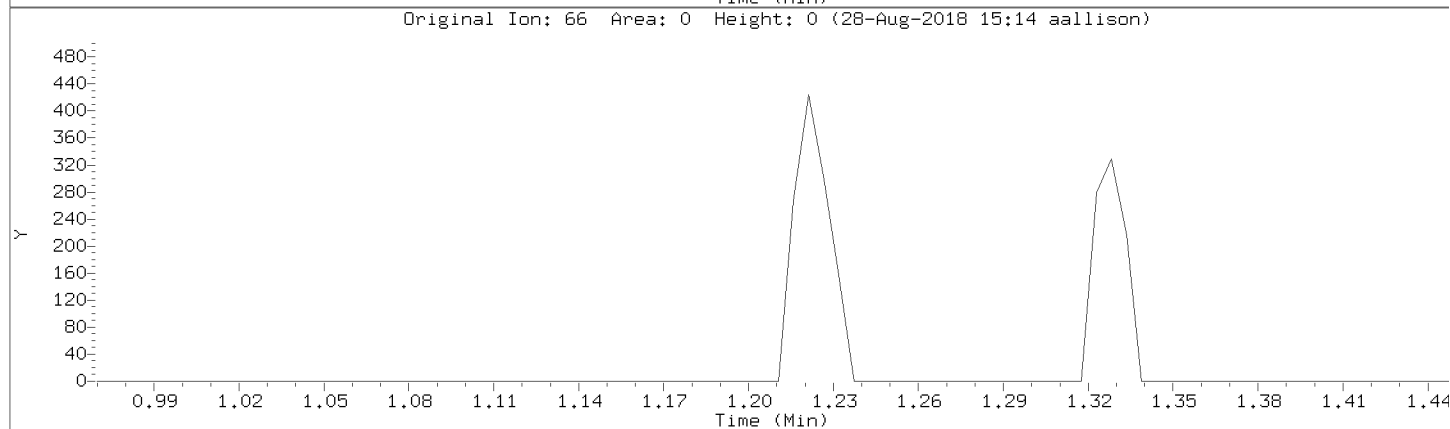
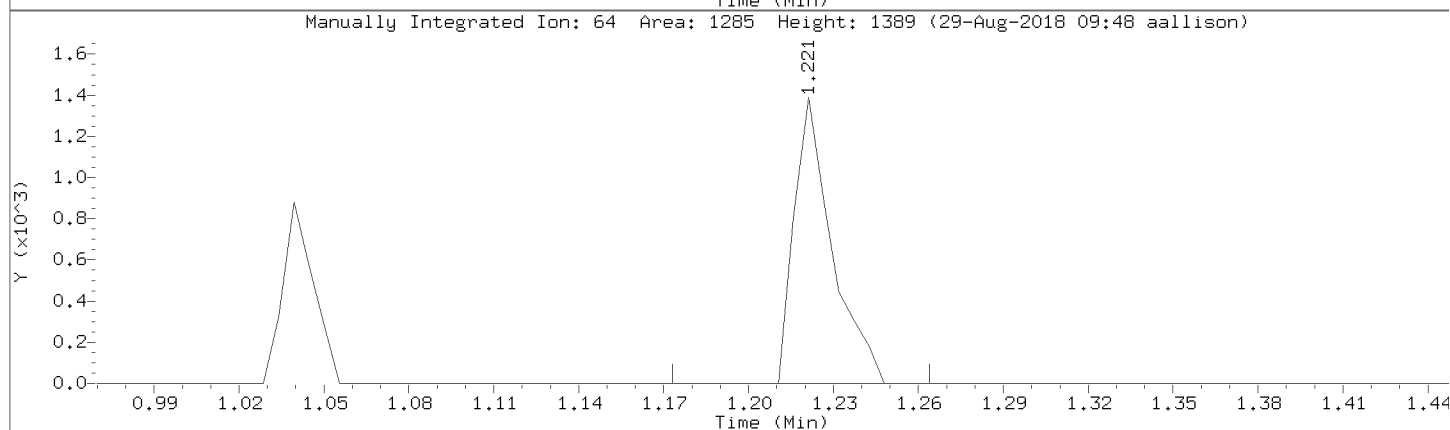
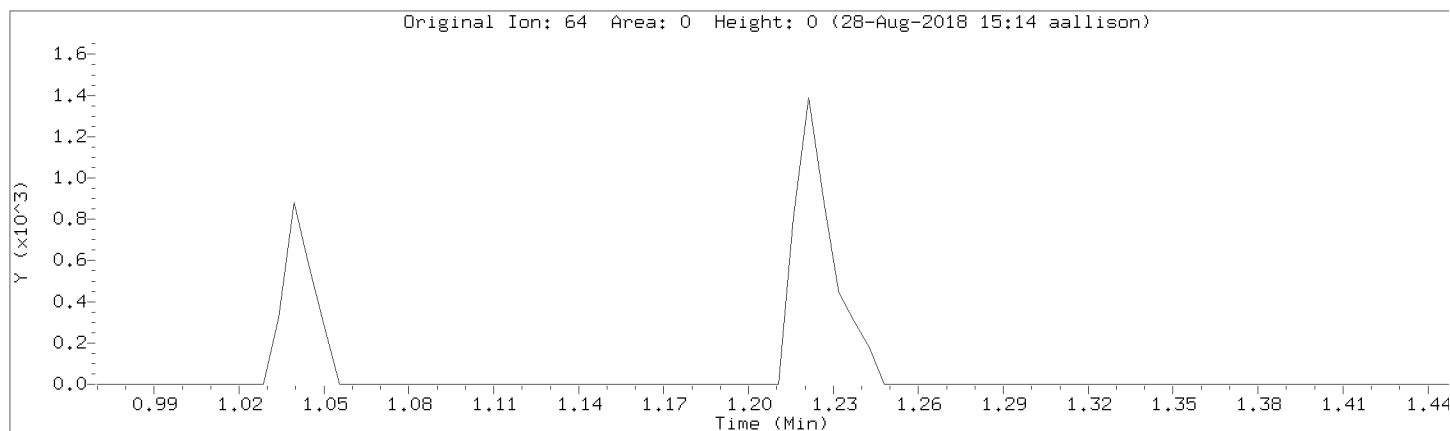
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL2

Compound: Chloroethane

Review Code: NI

CAS Number: 75-00-3



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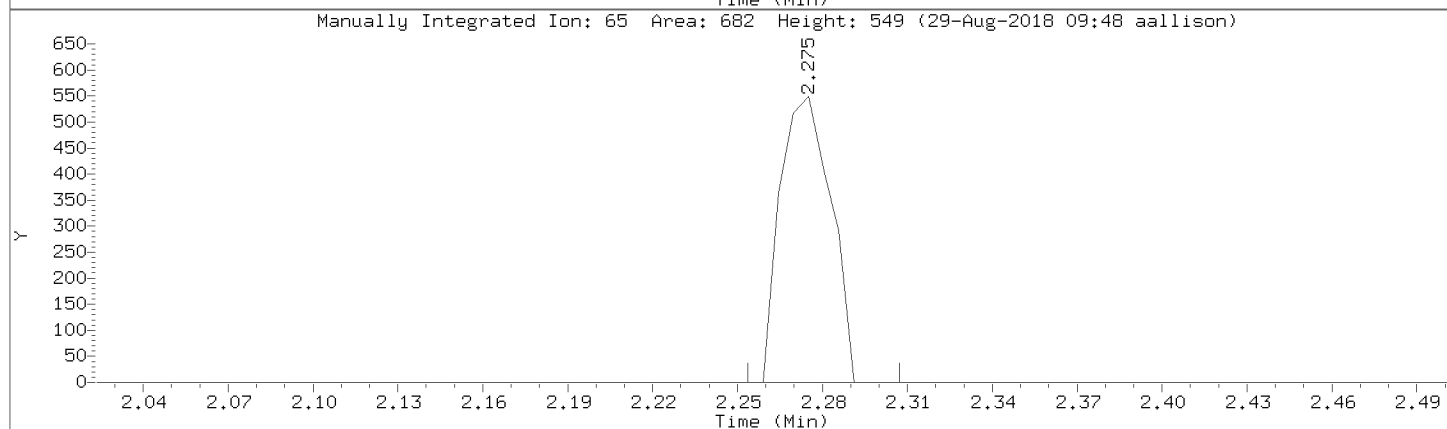
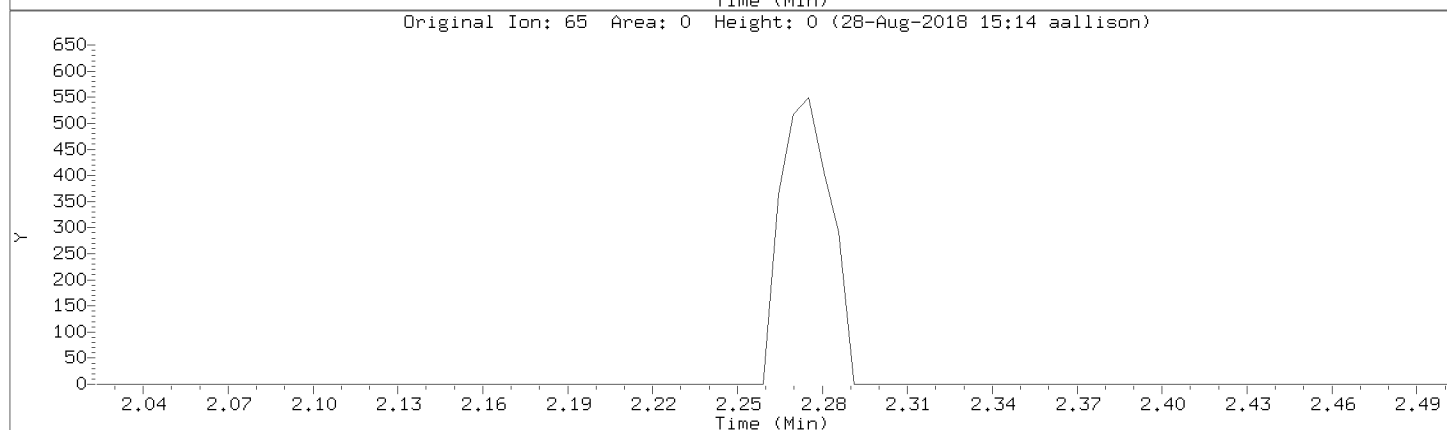
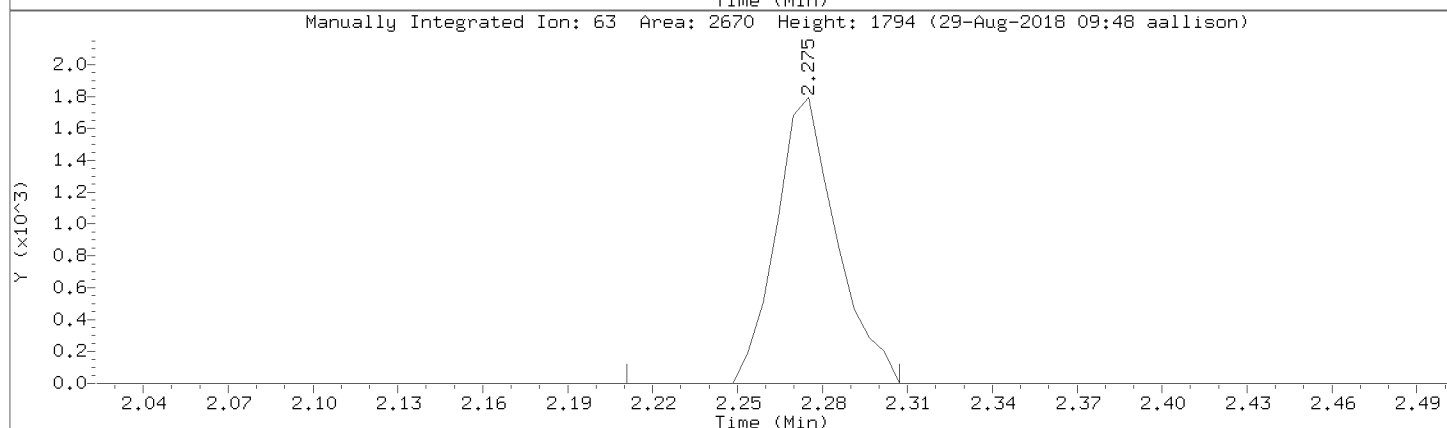
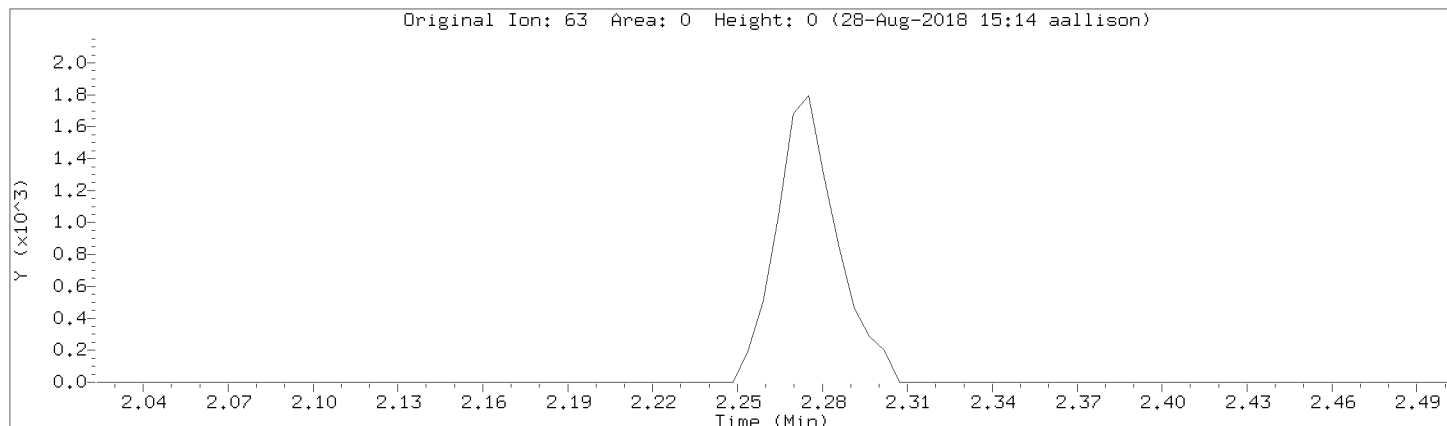
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL2

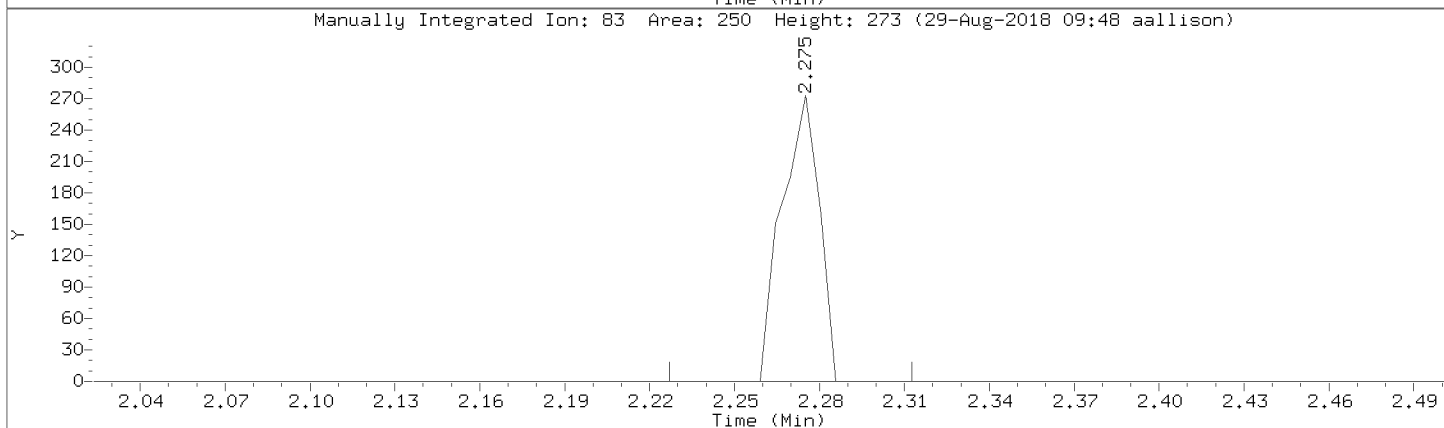
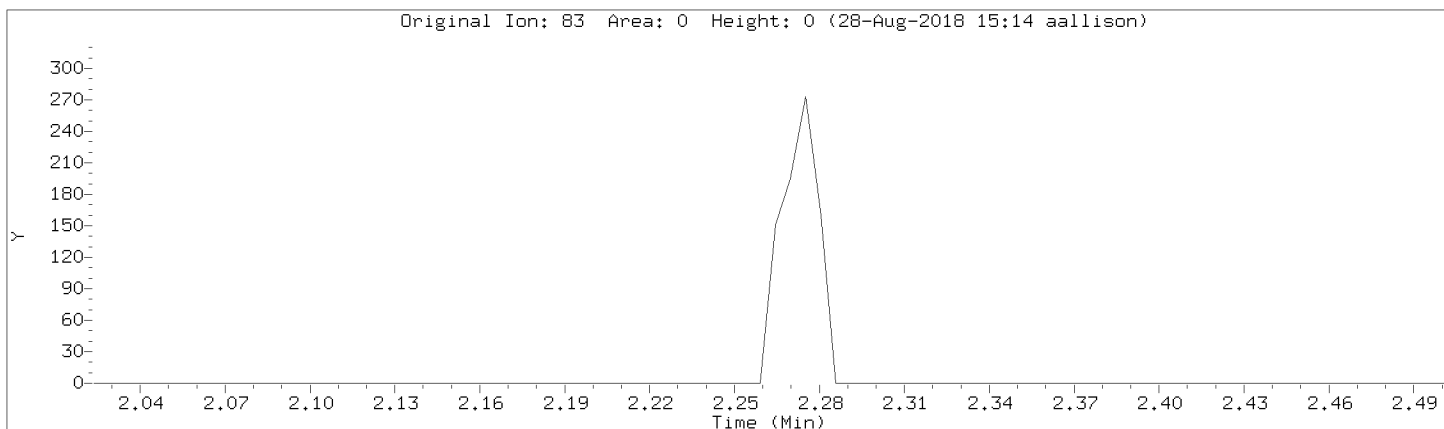
Compound: 1,1-Dichloroethane

Review Code: NI

CAS Number: 75-34-3



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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2



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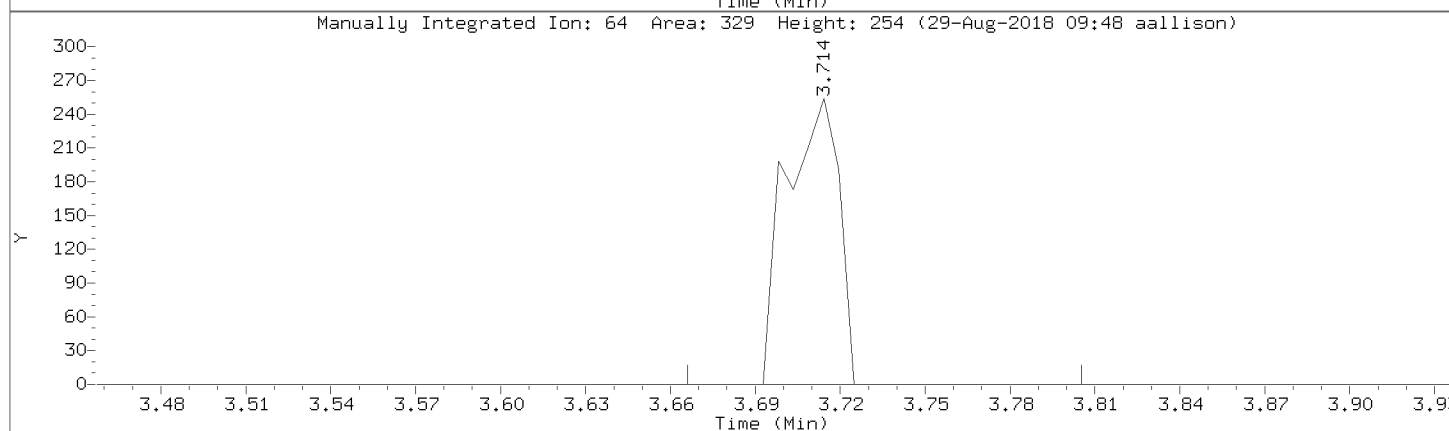
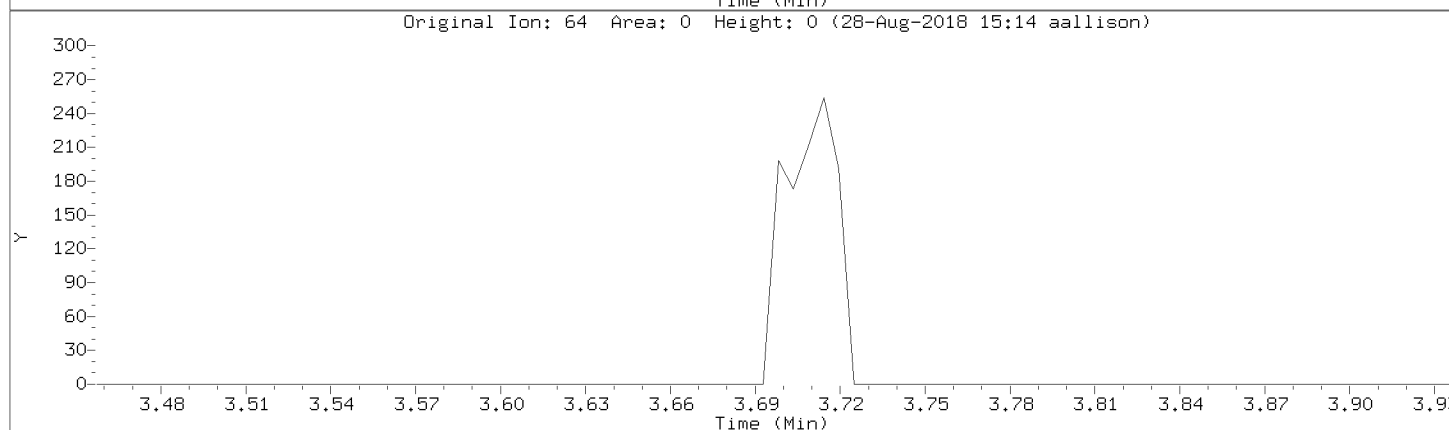
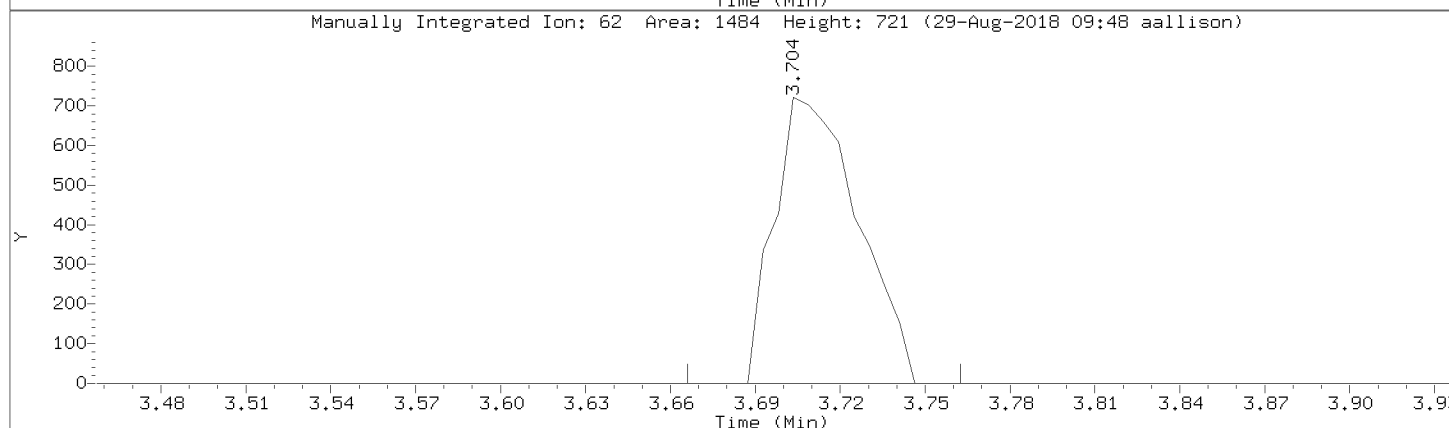
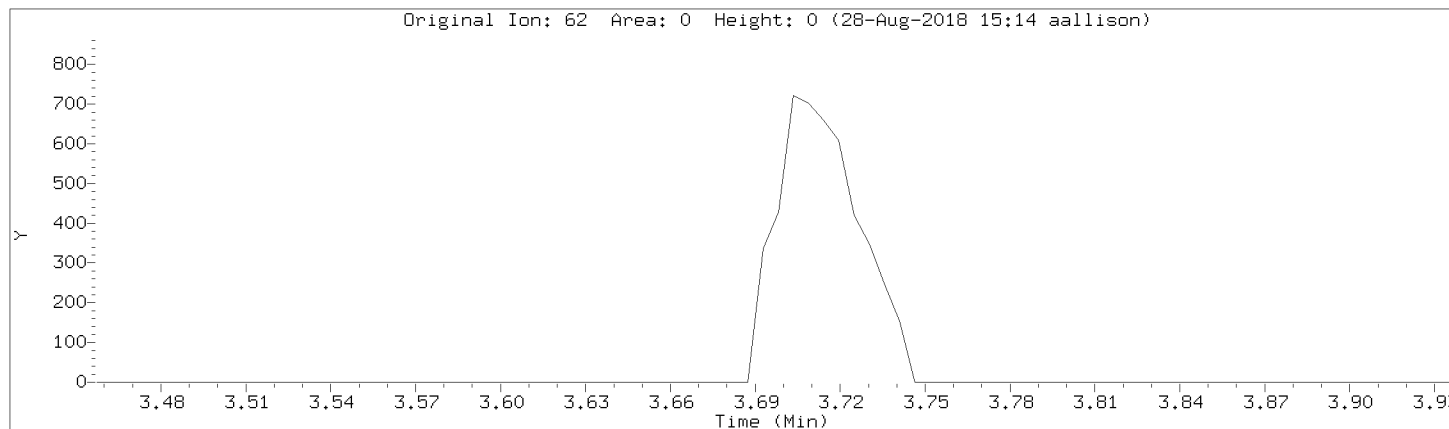
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL2

Compound: 1,2-Dichloroethane

Review Code: NI

CAS Number: 107-06-2

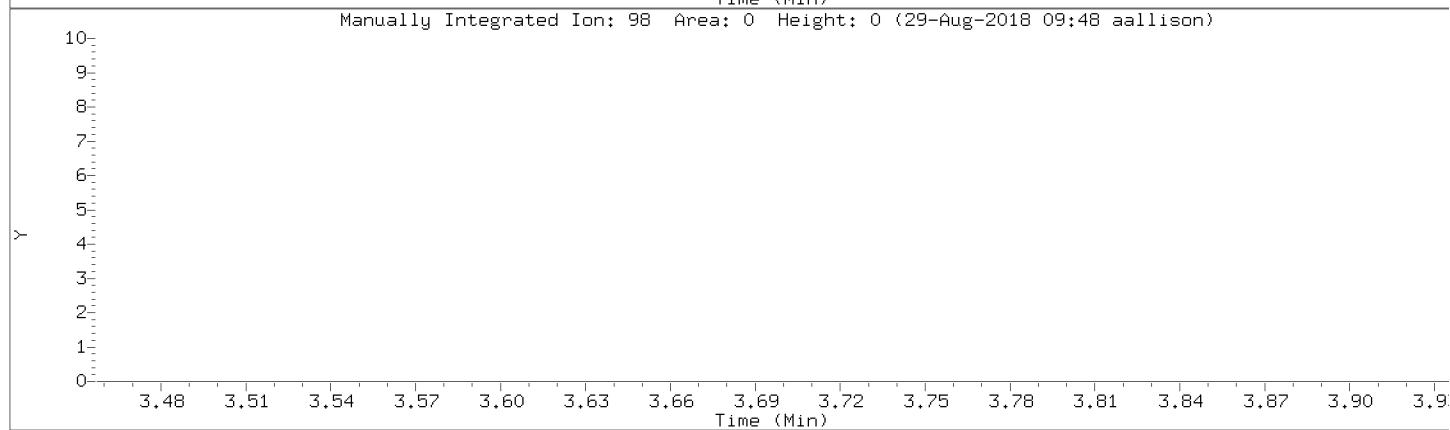
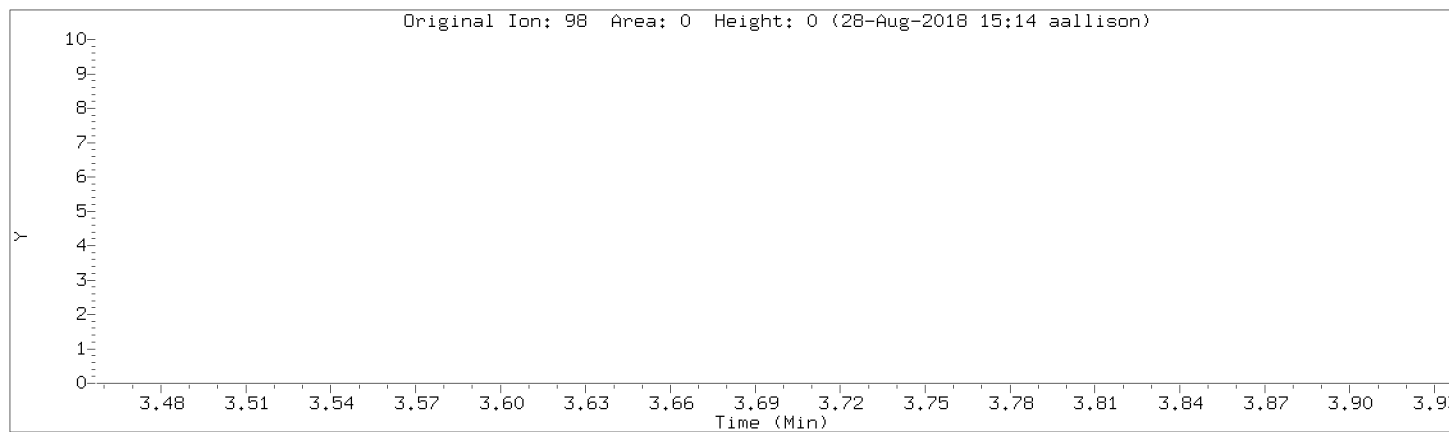


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Injection Date: 28-AUG-2018 14:59

Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL2



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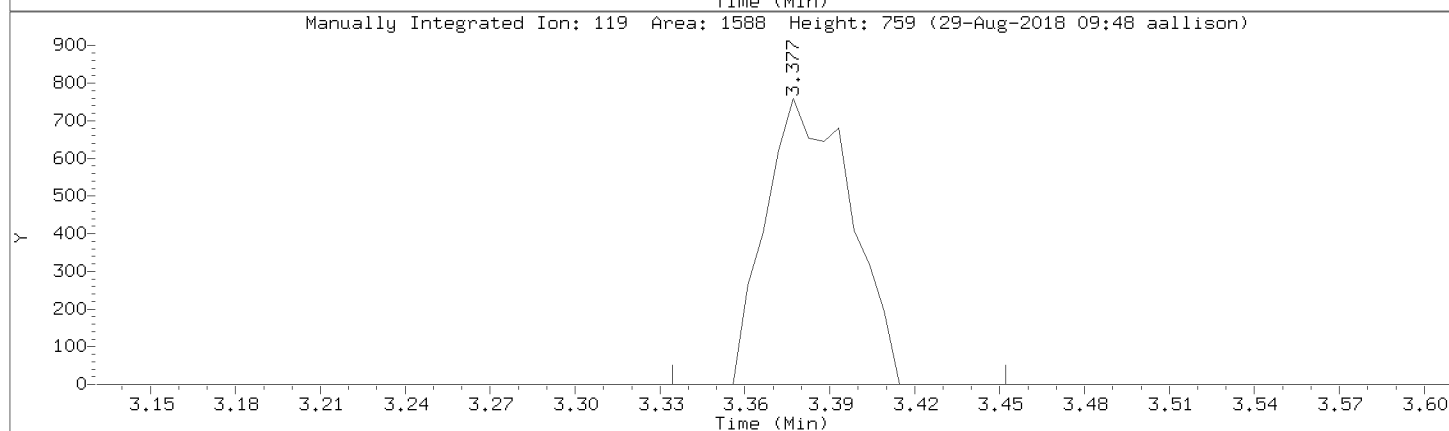
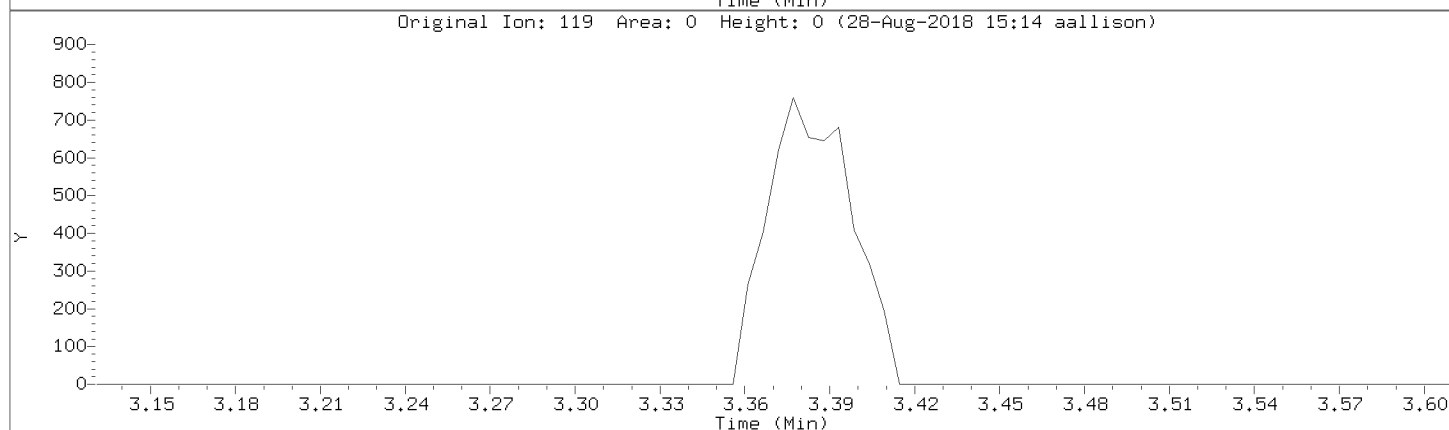
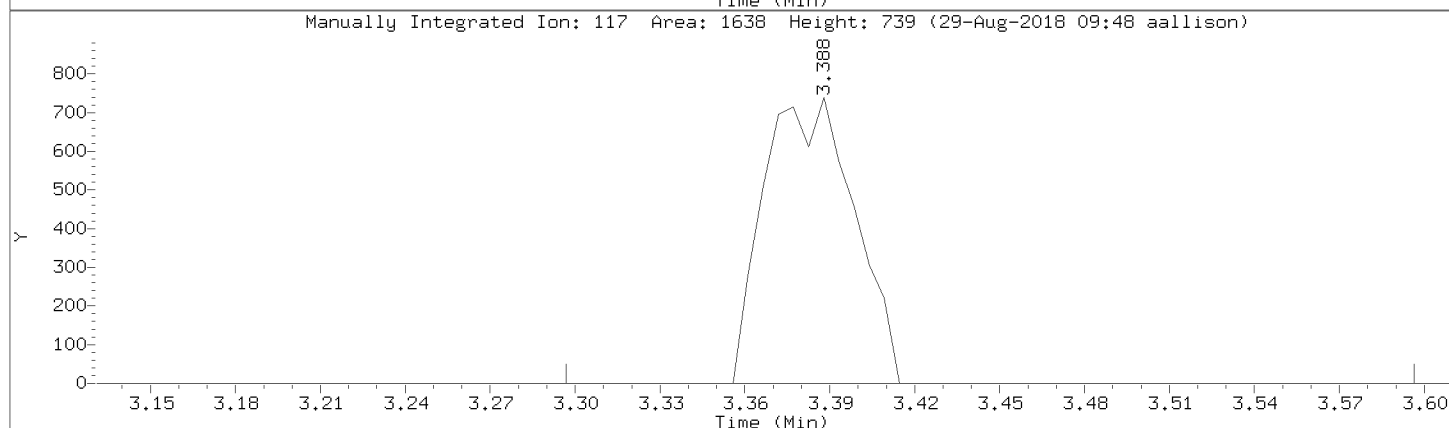
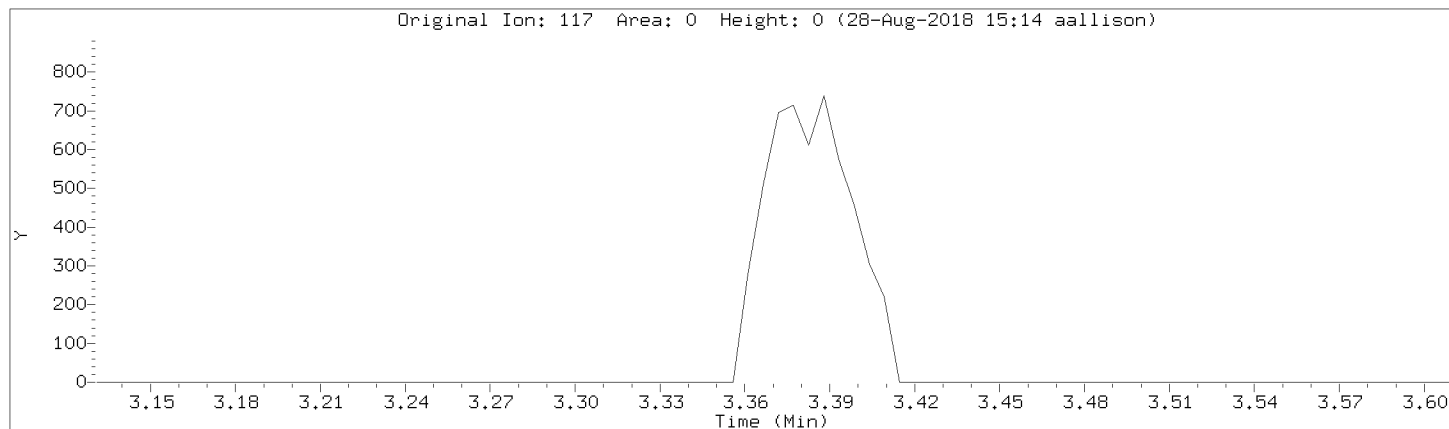
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Lab Sample ID: 8260-CAL2

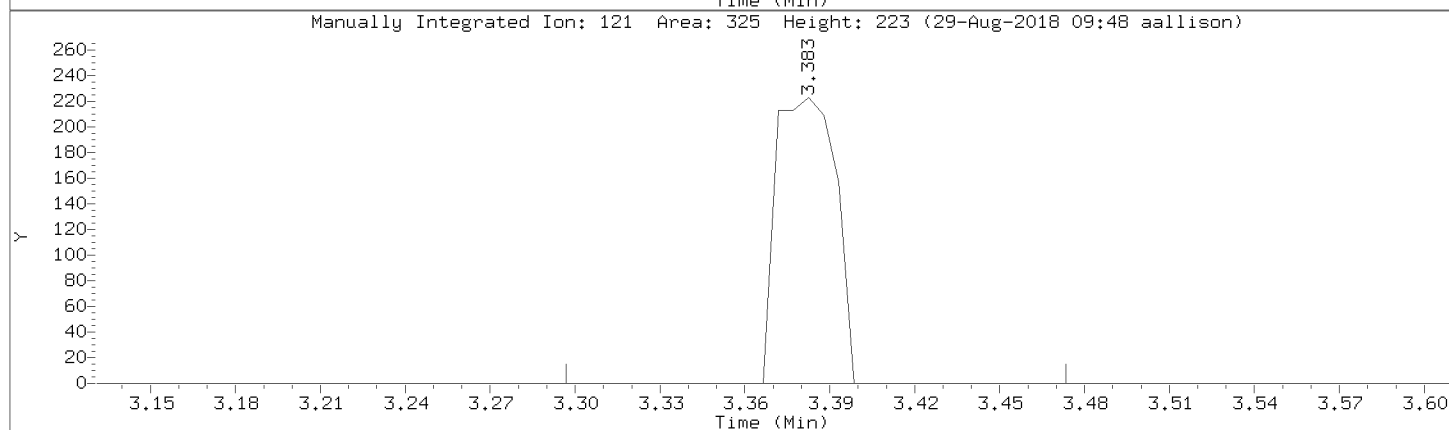
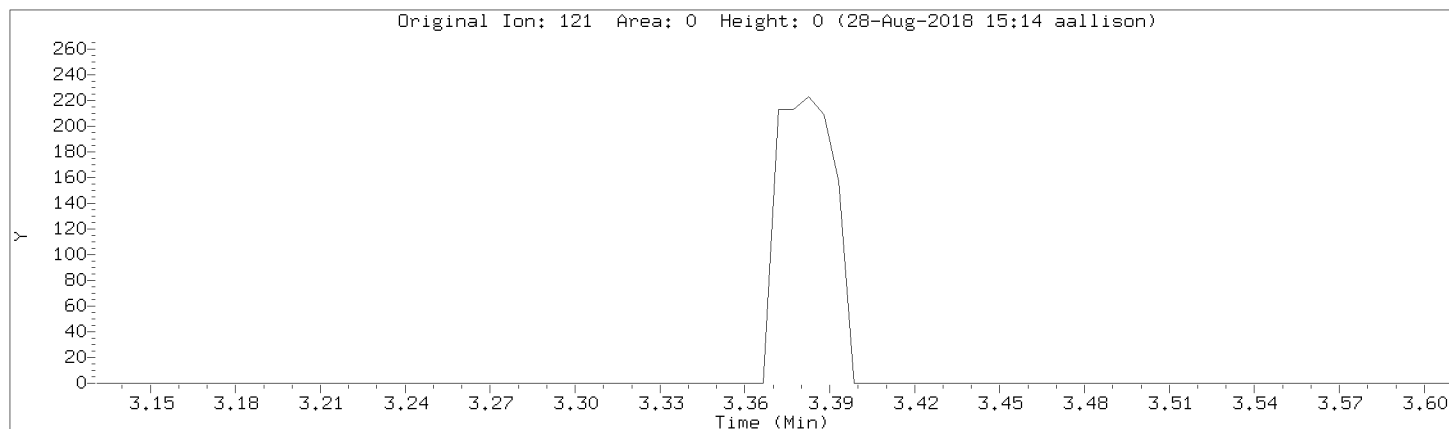
Compound: Carbon Tetrachloride

Review Code: NI

CAS Number: 56-23-5

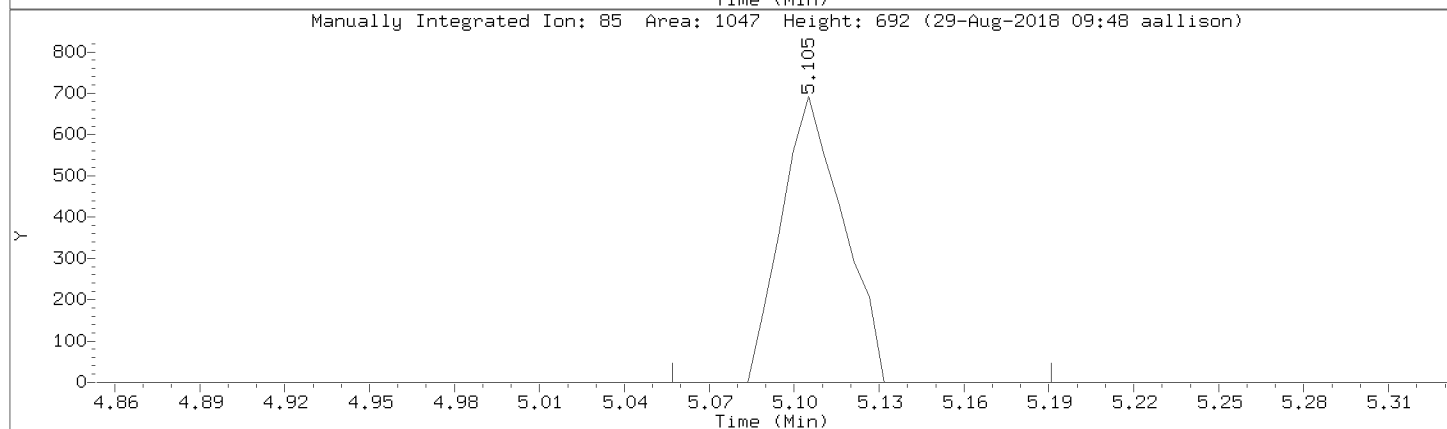
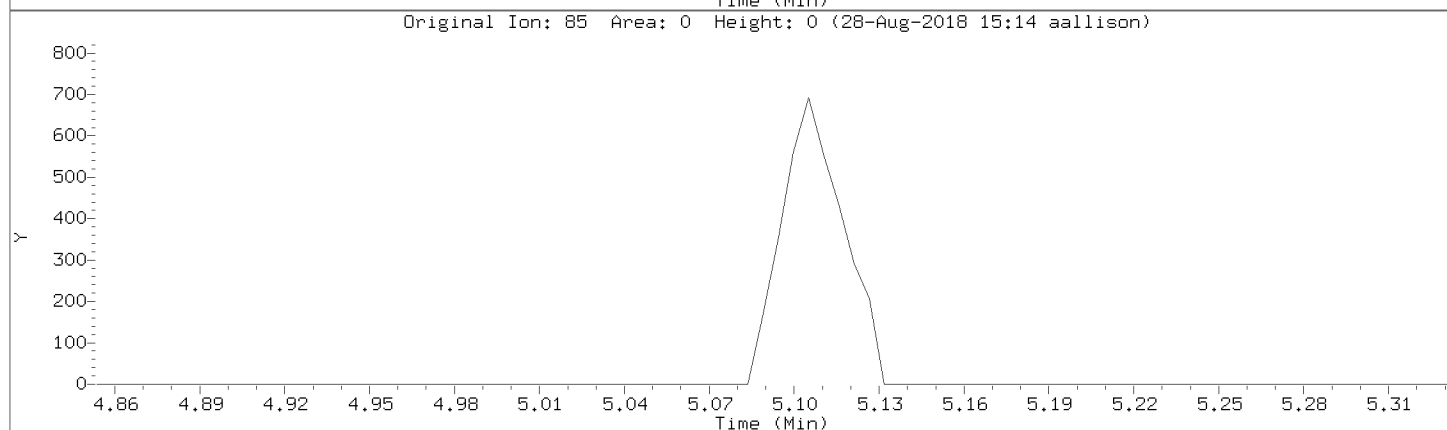
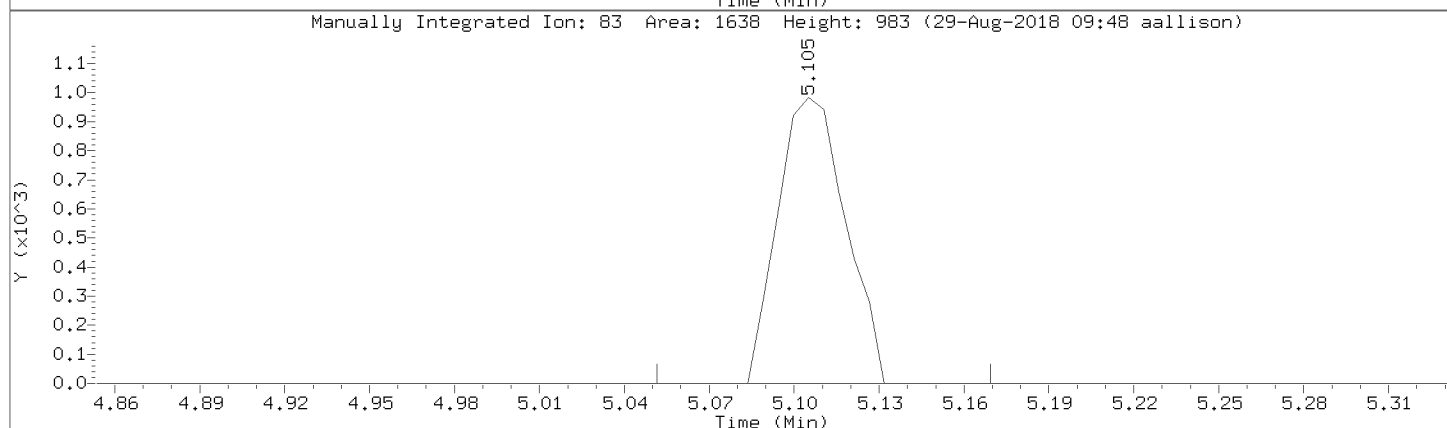
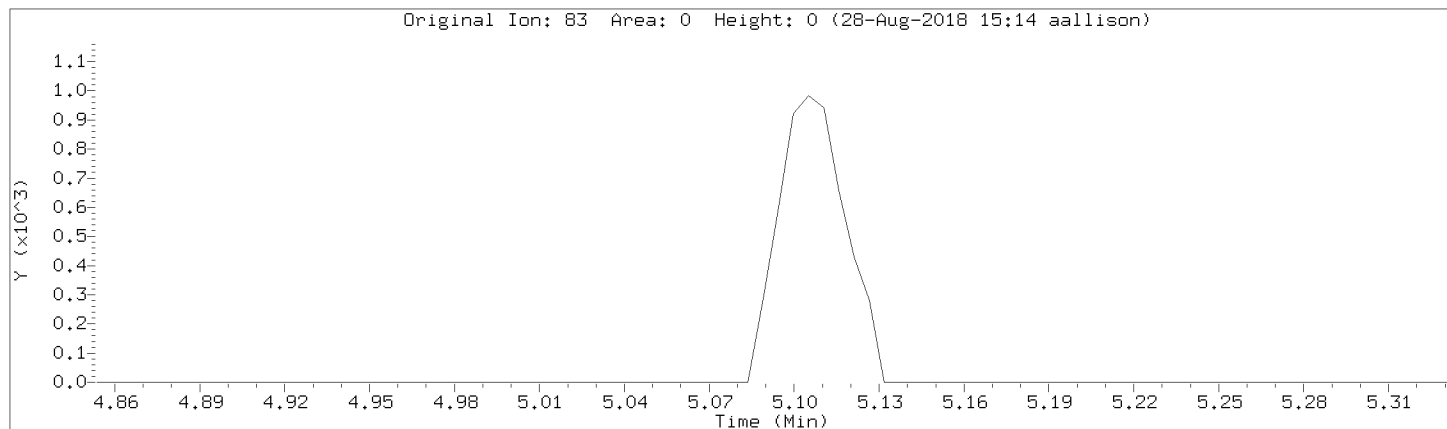


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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2

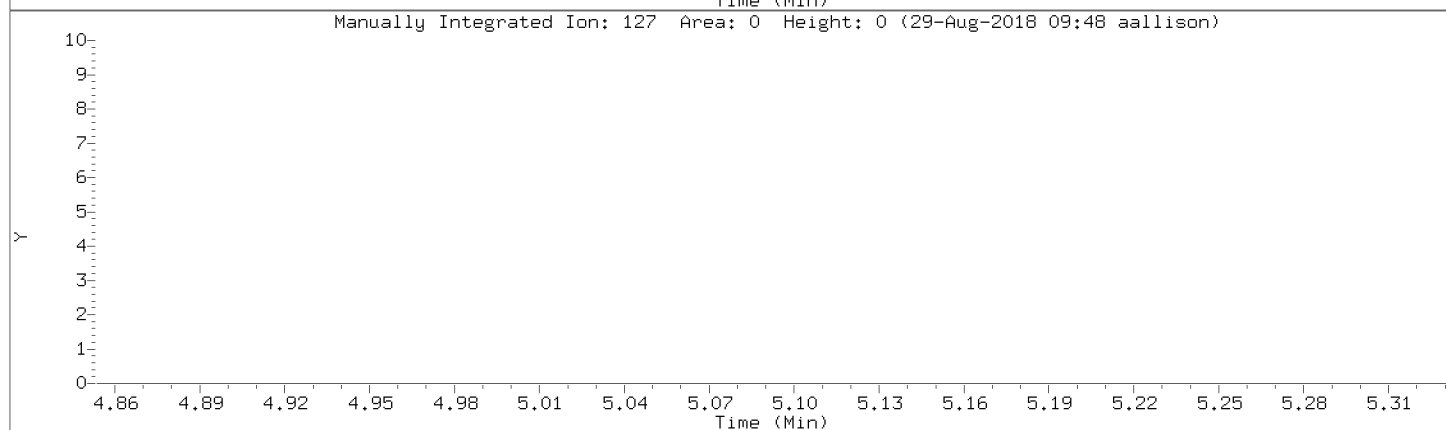
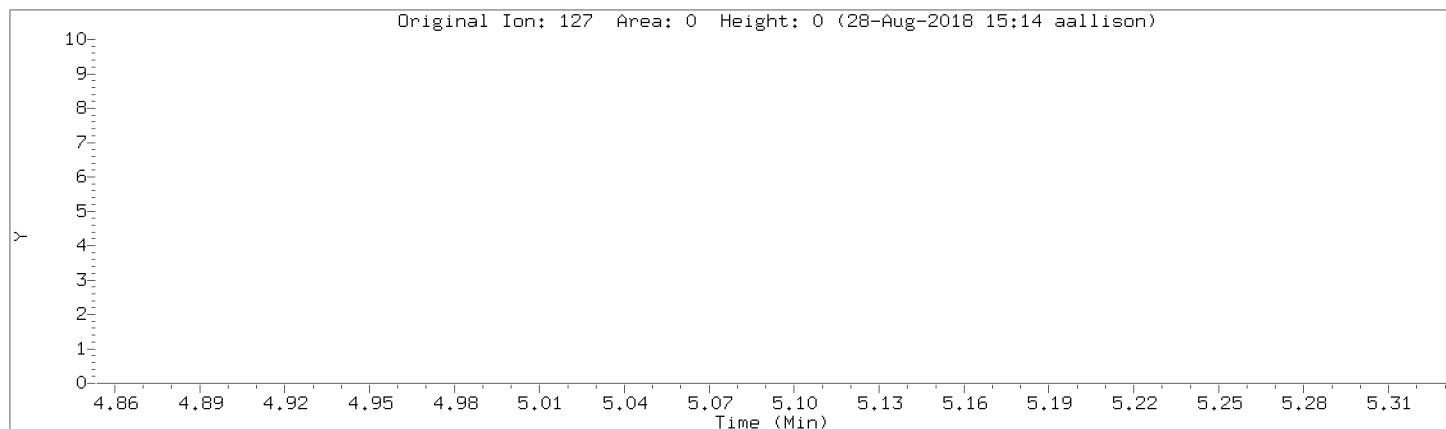


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Injection Date: 28-AUG-2018 14:59
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2

Compound: Bromodichloromethane Review Code: NI
CAS Number: 75-27-4

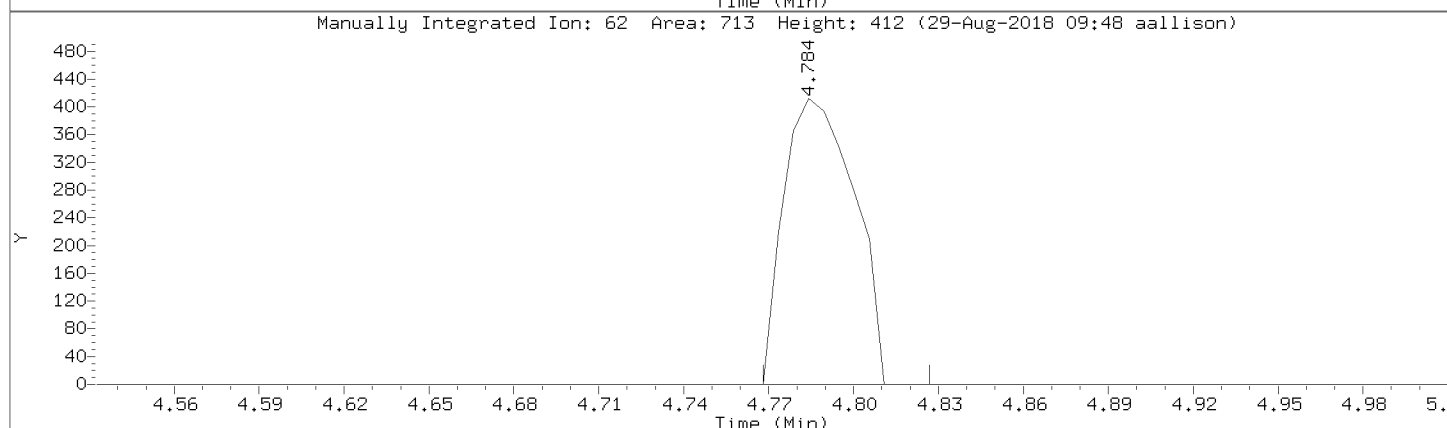
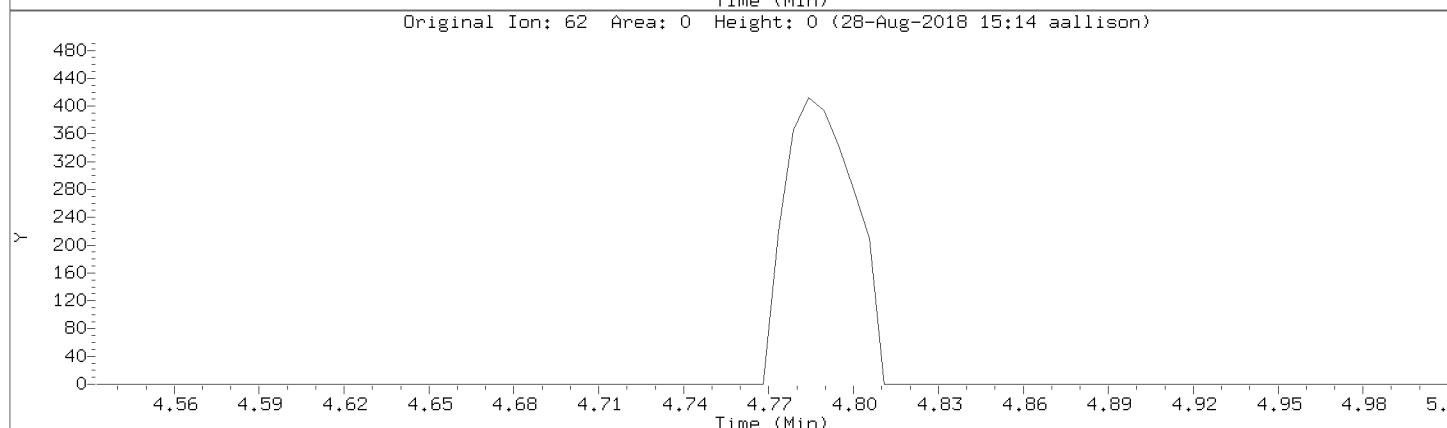
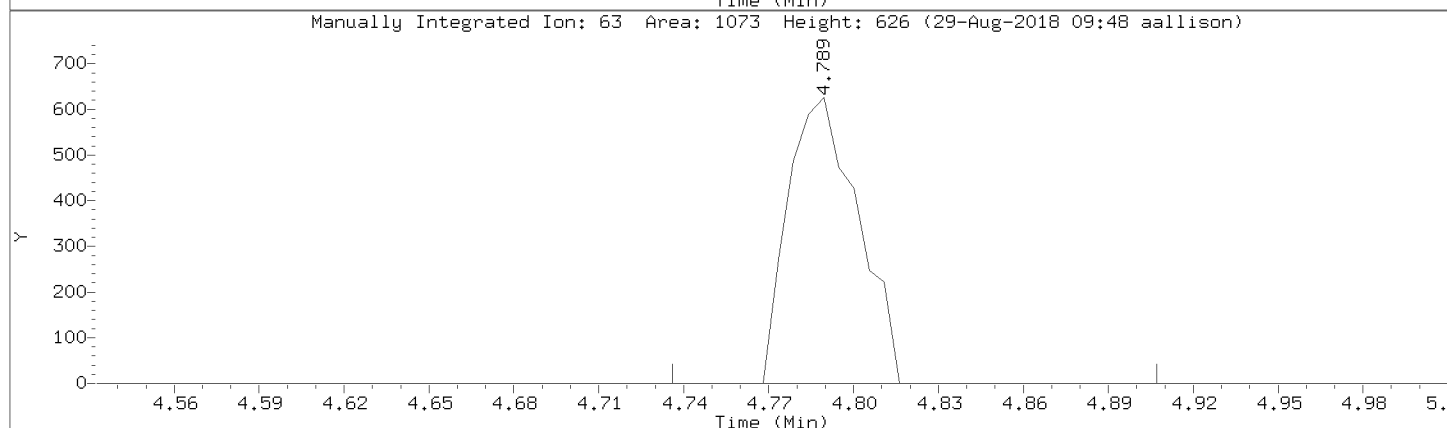
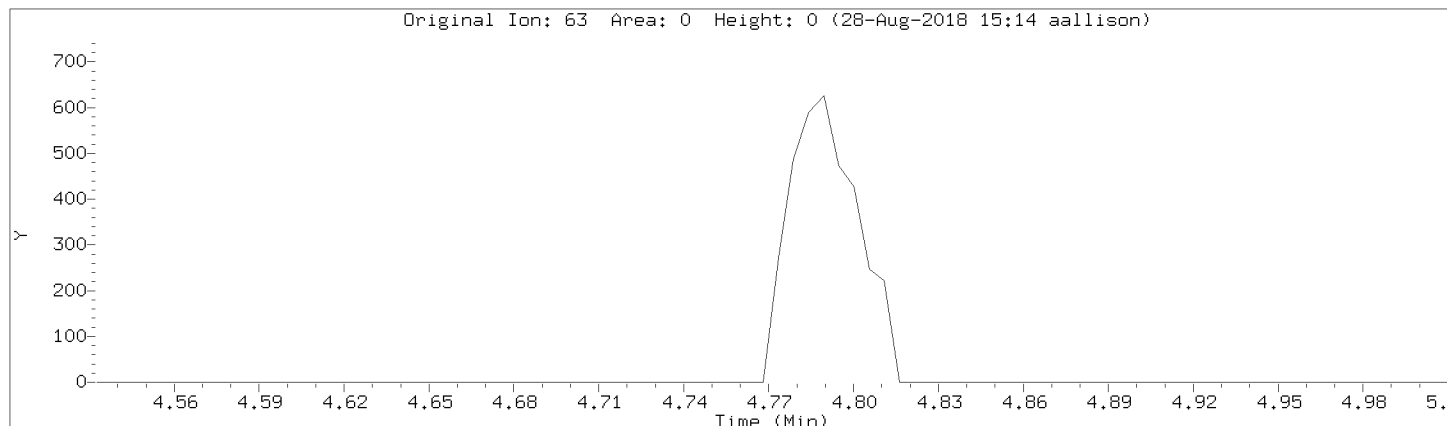


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Lab Sample ID: 8260-CAL2

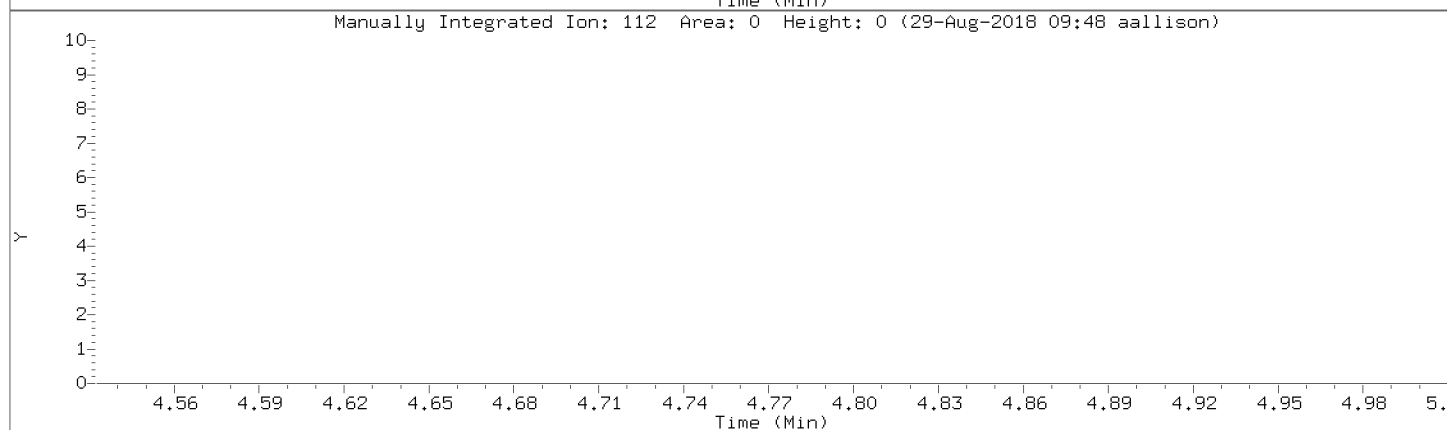
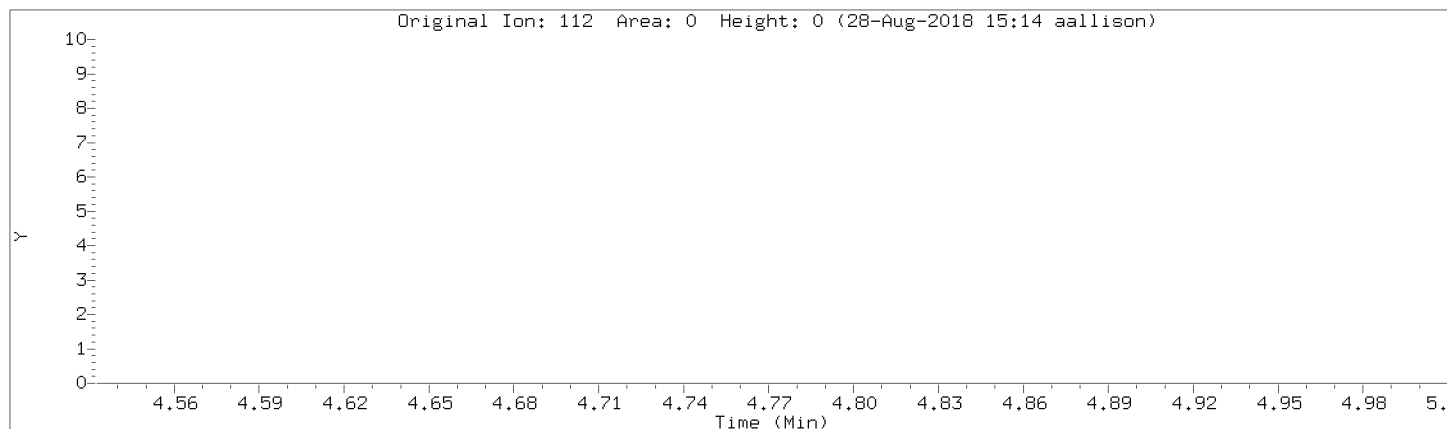


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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2

Compound: 1,2-Dichloropropane Review Code: NI
CAS Number: 78-87-5

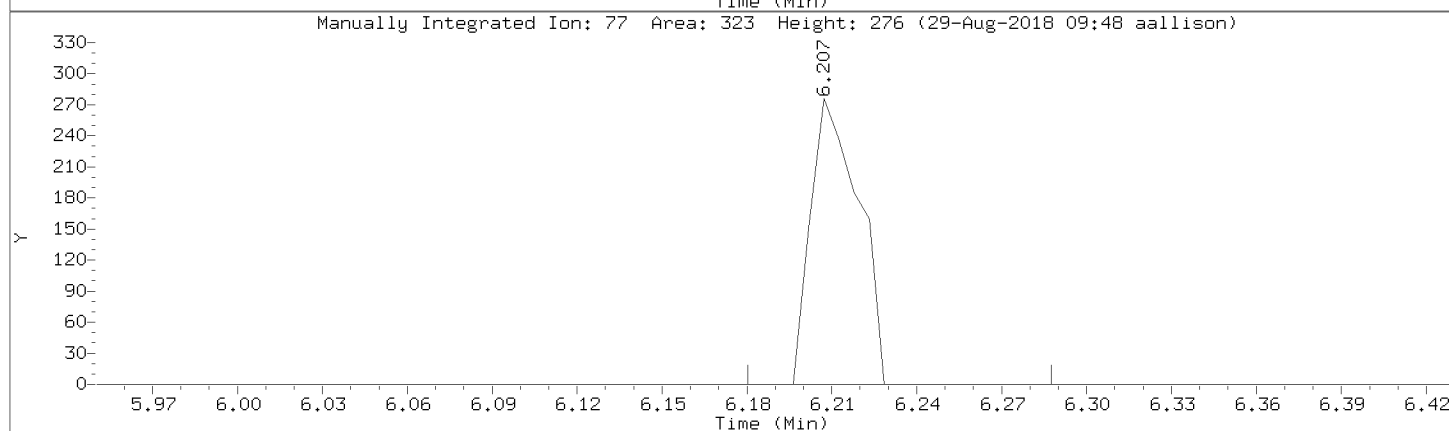
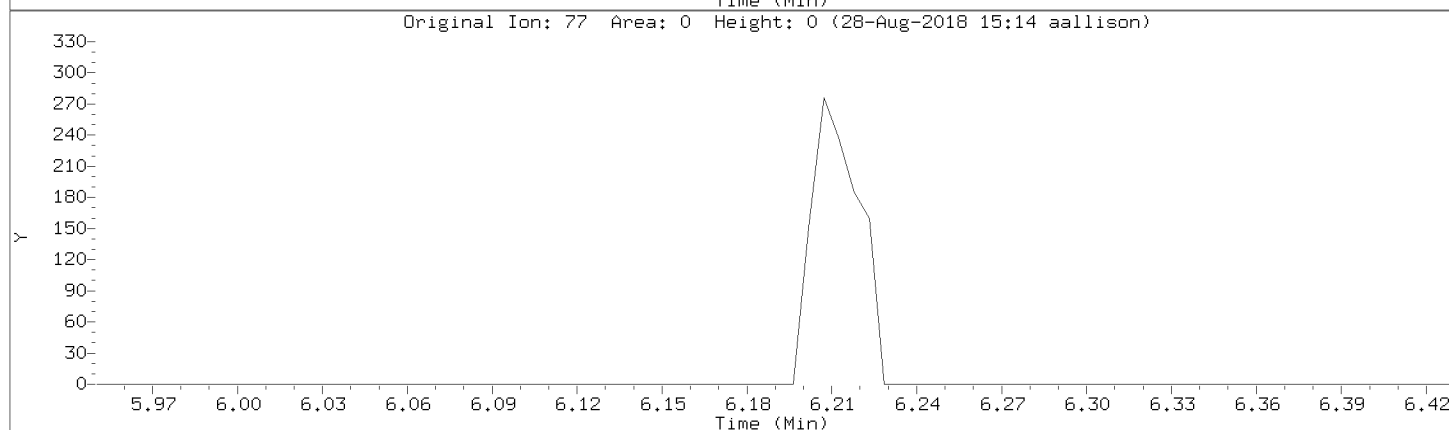
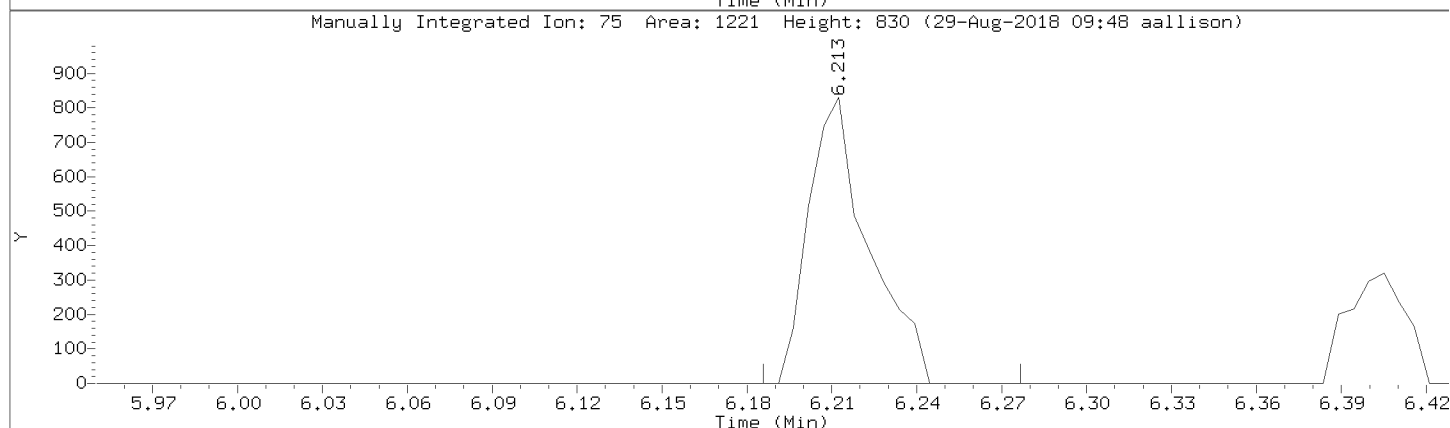
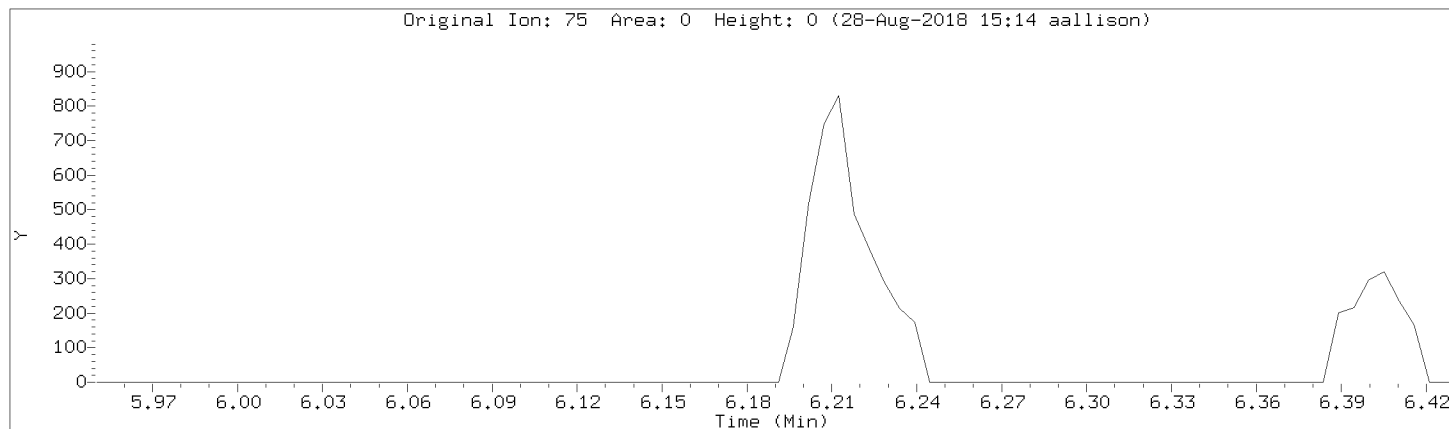


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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2



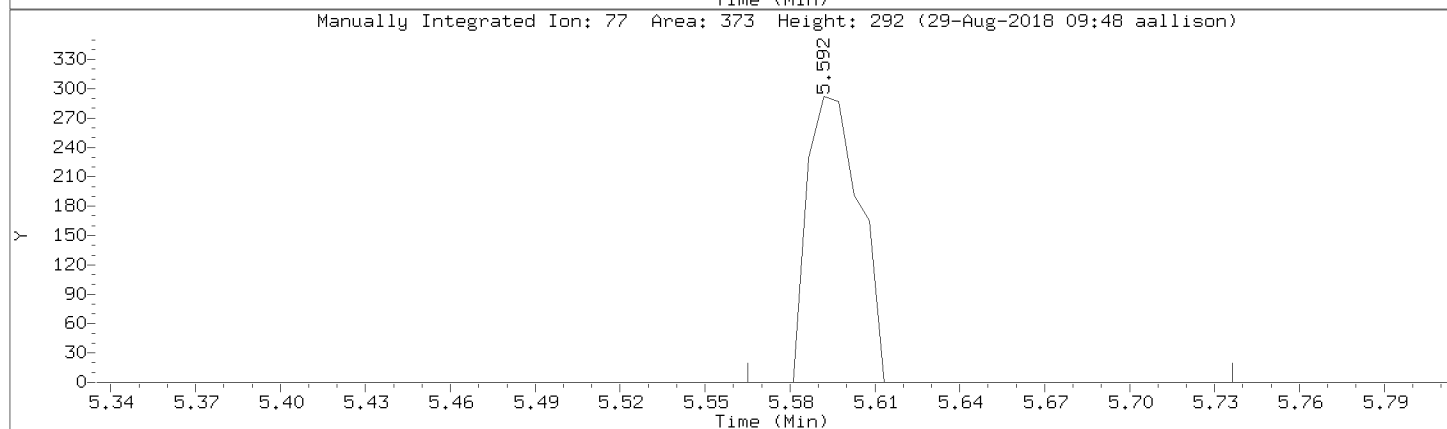
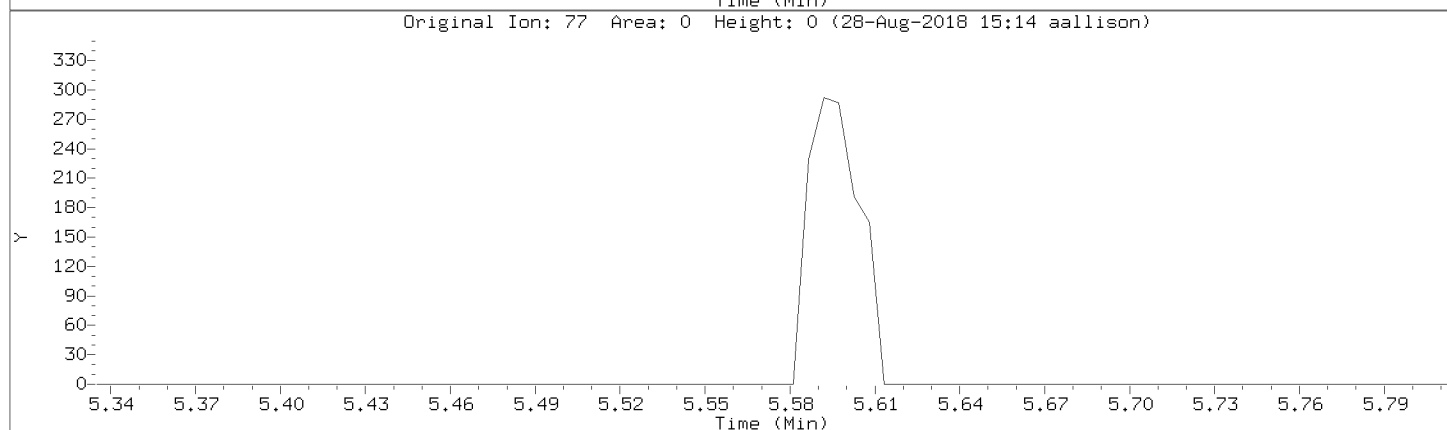
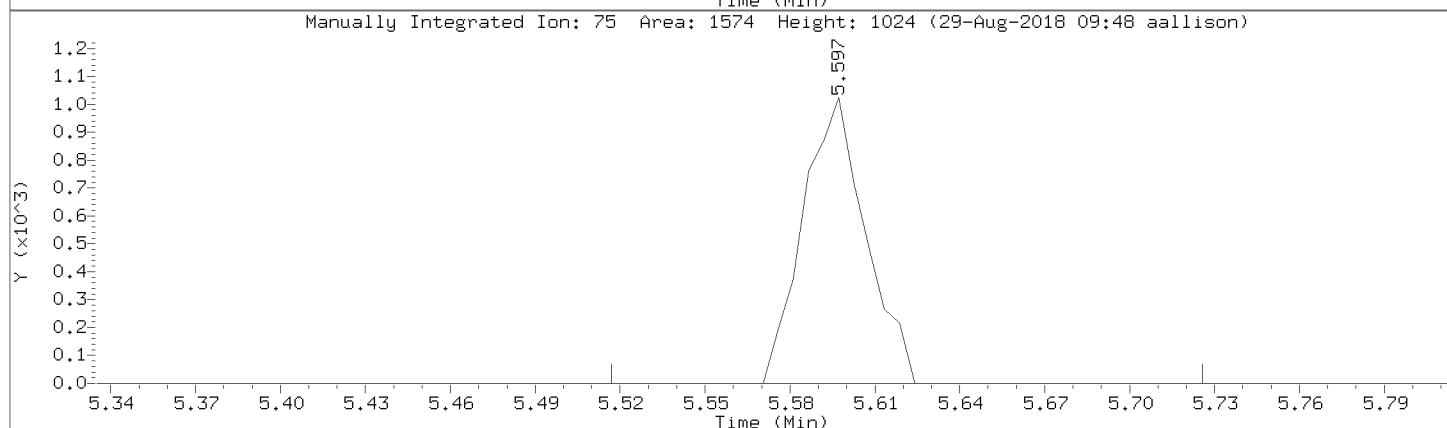
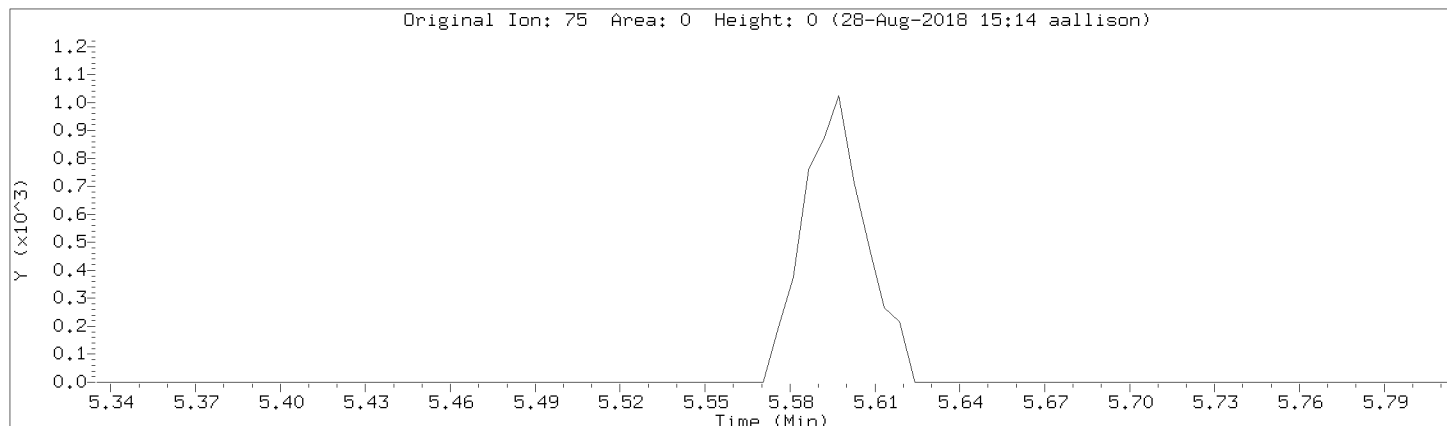
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Injection Date: 28-AUG-2018 14:59
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2

Compound: trans-1,3-Dichloropropene Review Code: NI
CAS Number: 10061-02-6



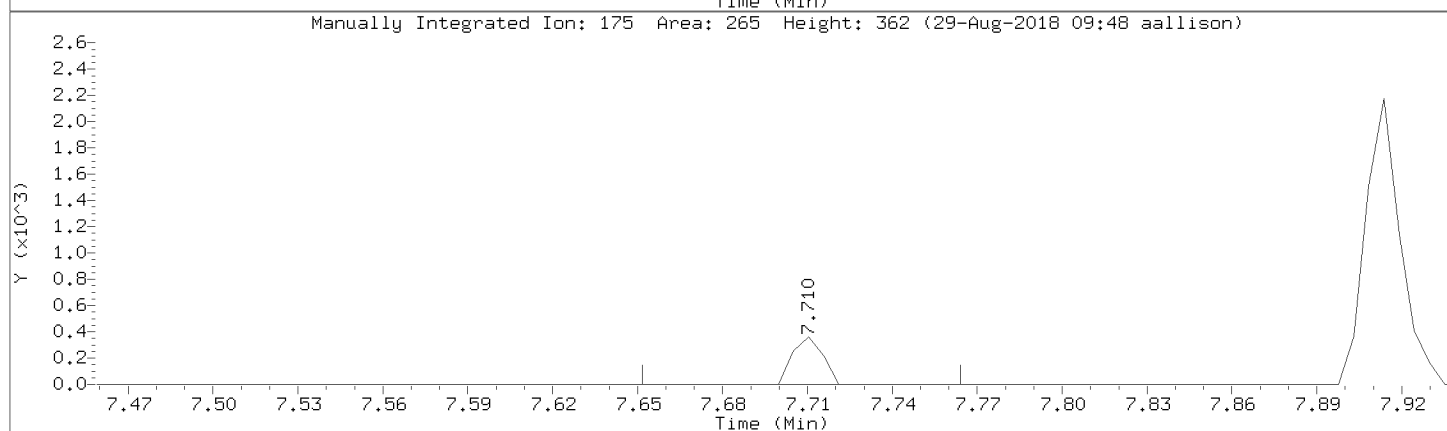
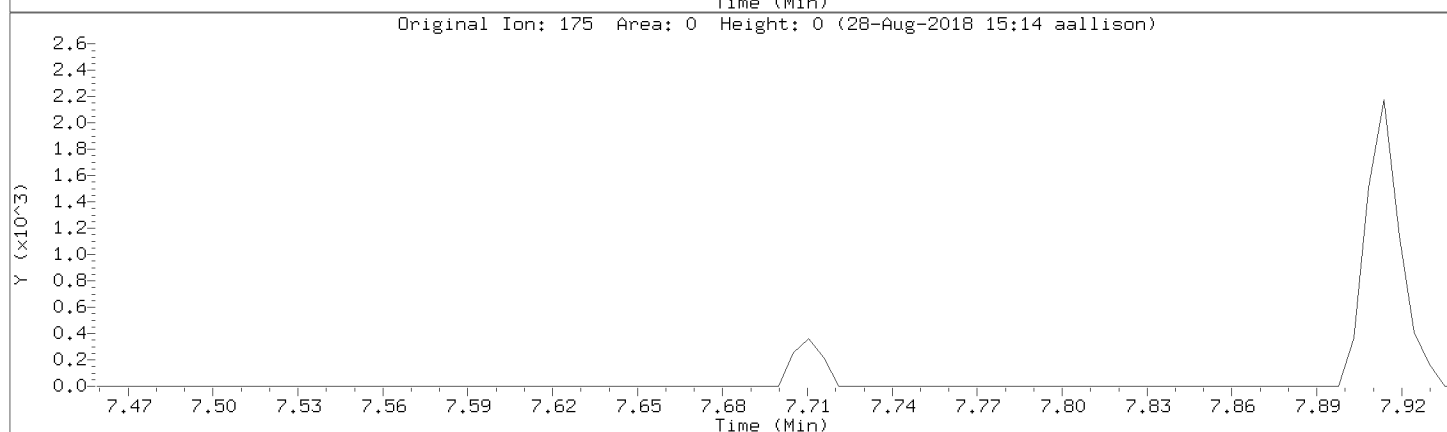
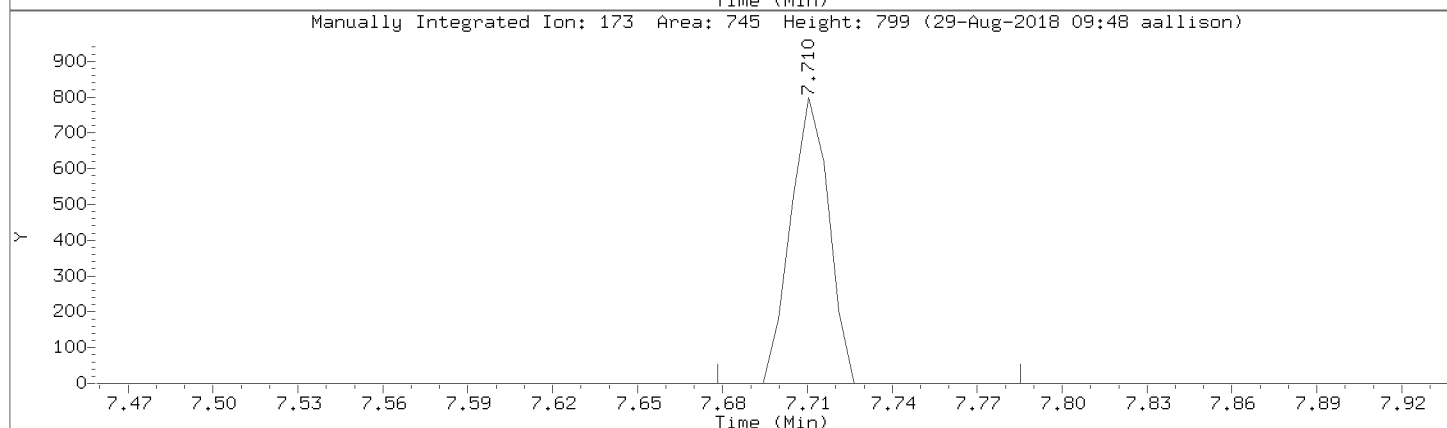
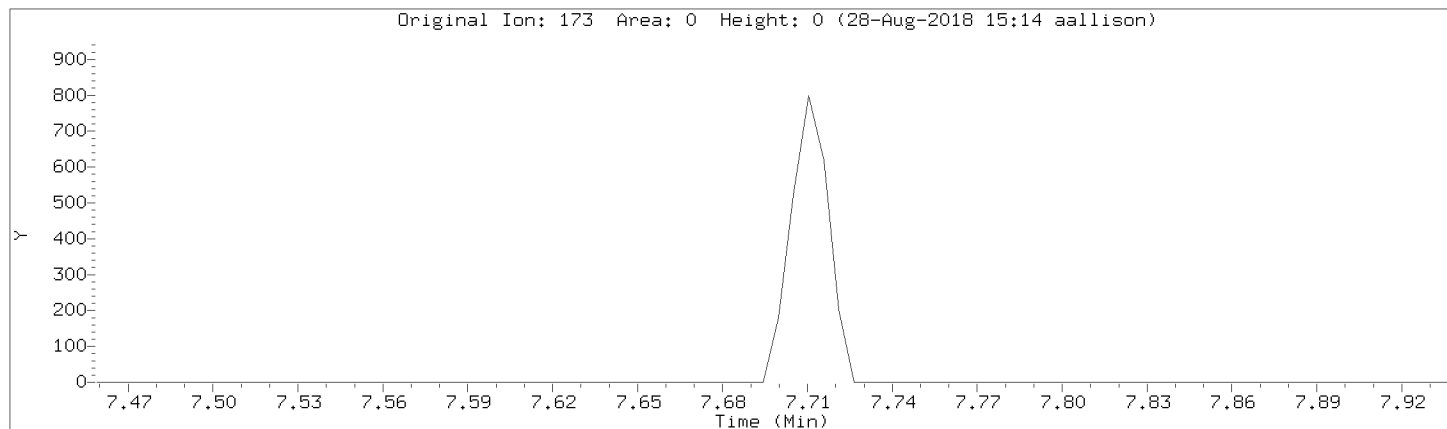
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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2

Compound: cis-1,3-Dichloropropene Review Code: NI
CAS Number: 10061-01-5

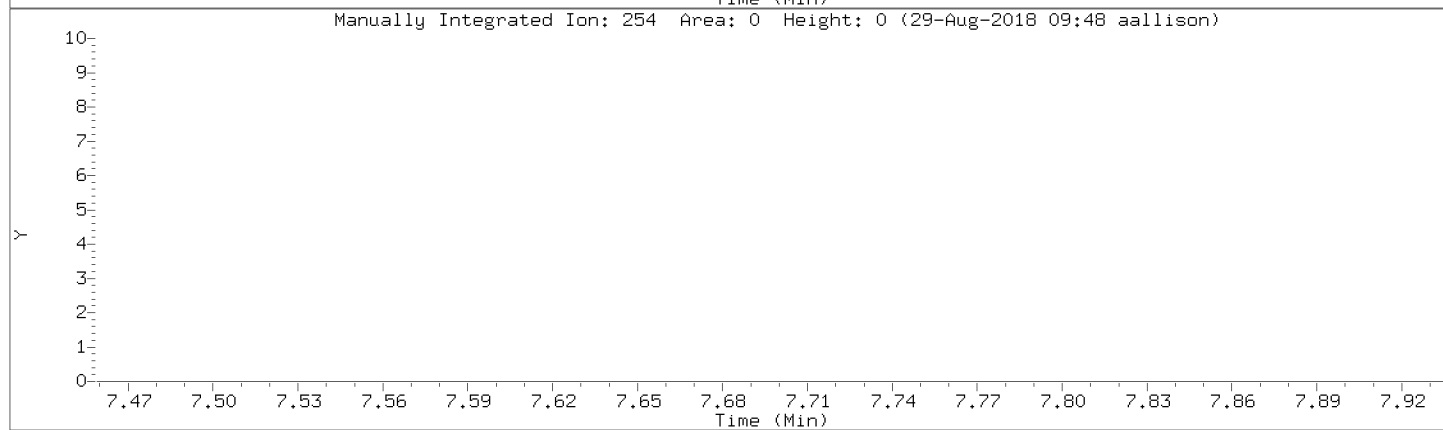
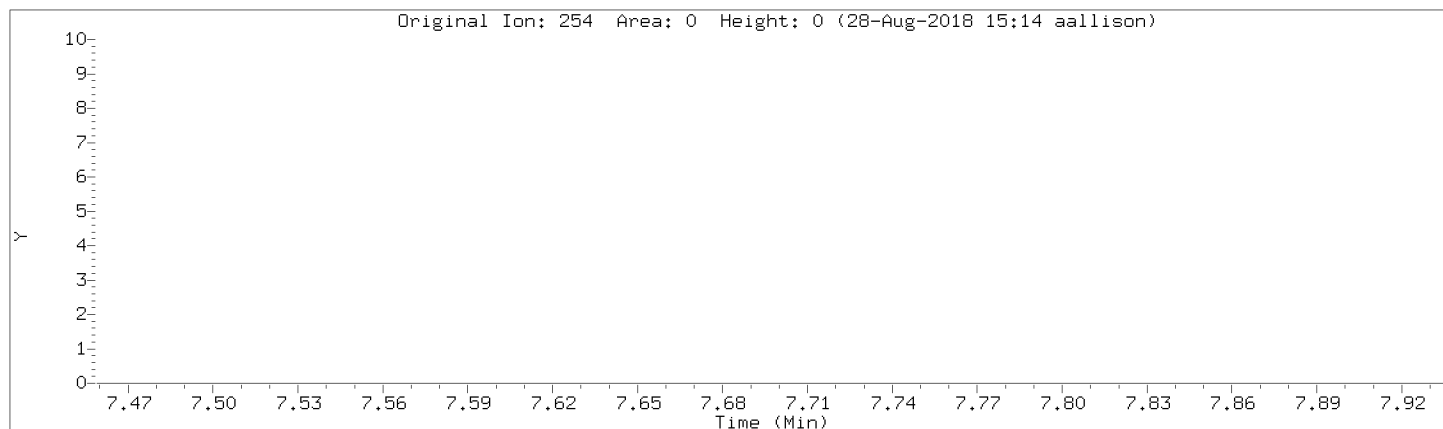


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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2

Compound: Bromoform Review Code: NI
CAS Number: 75-25-2

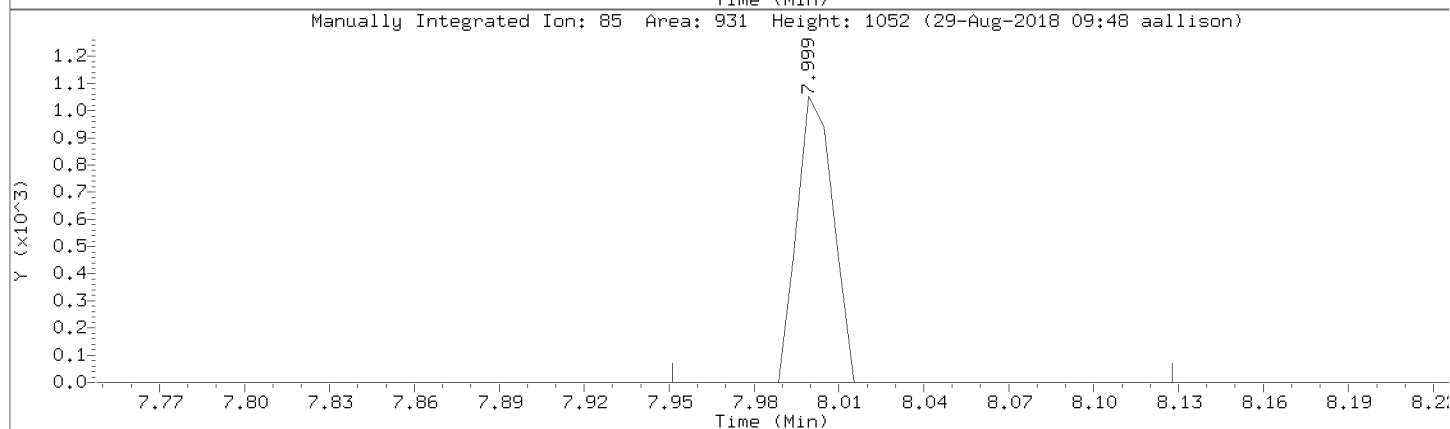
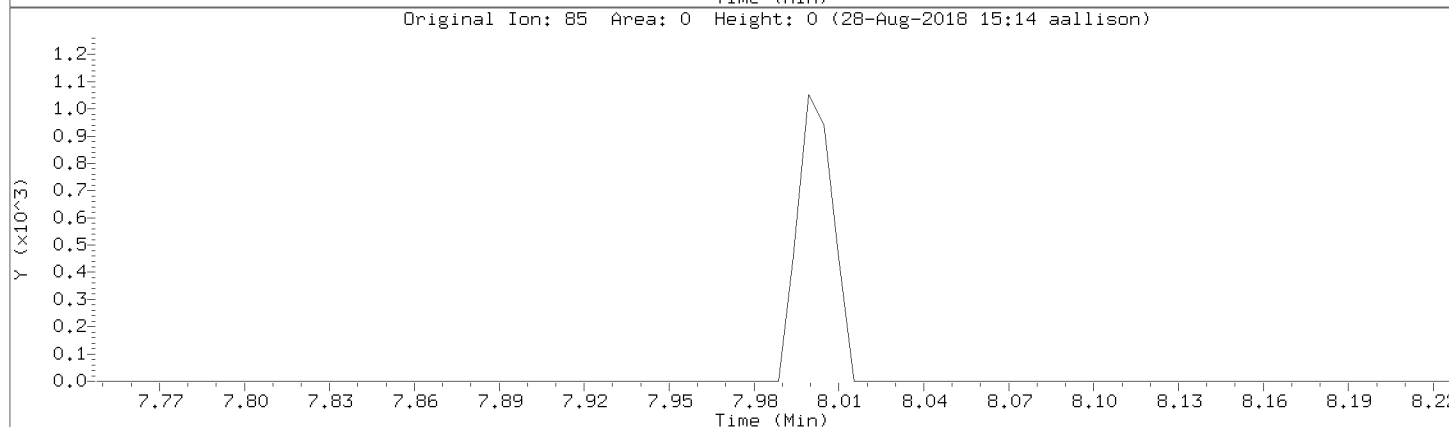
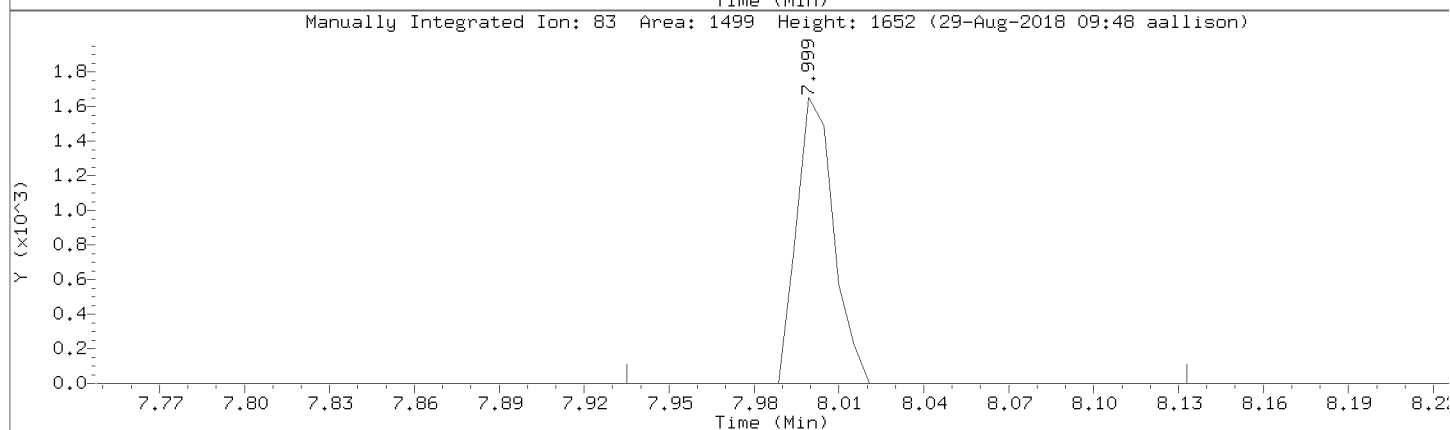
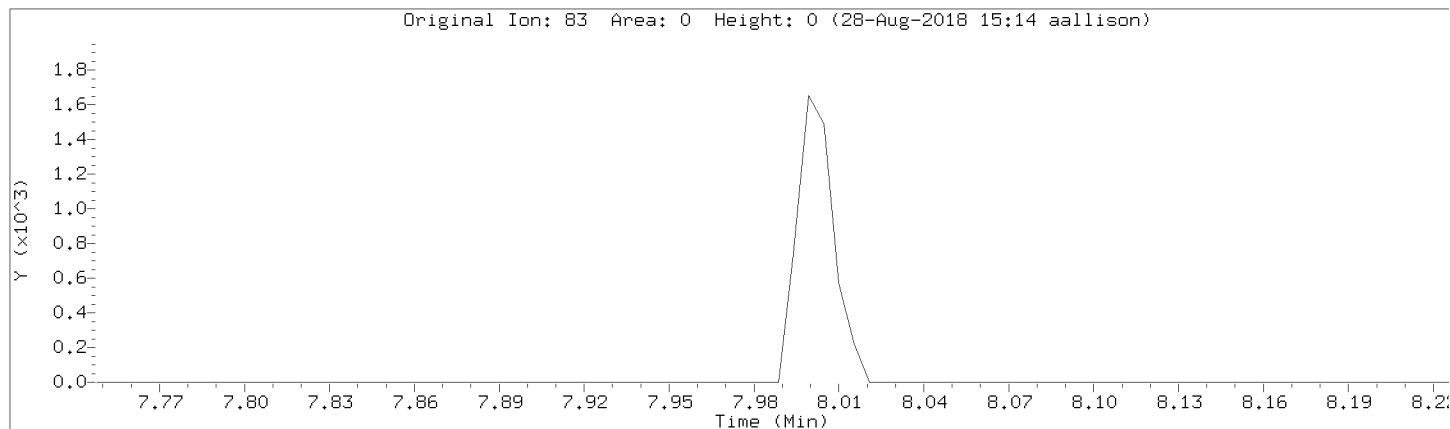


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Injection Date: 28-AUG-2018 14:59
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2

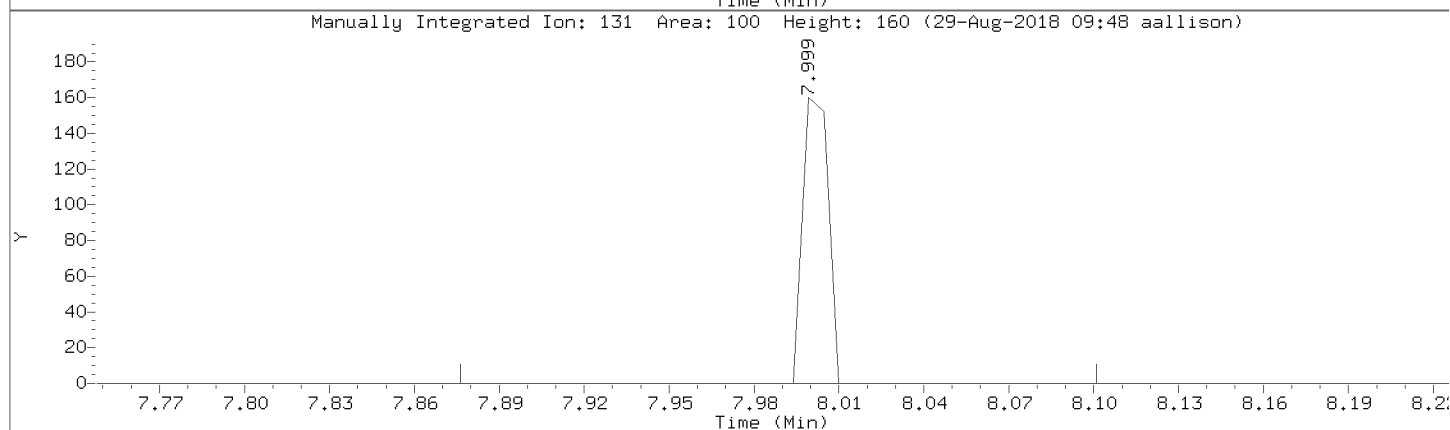
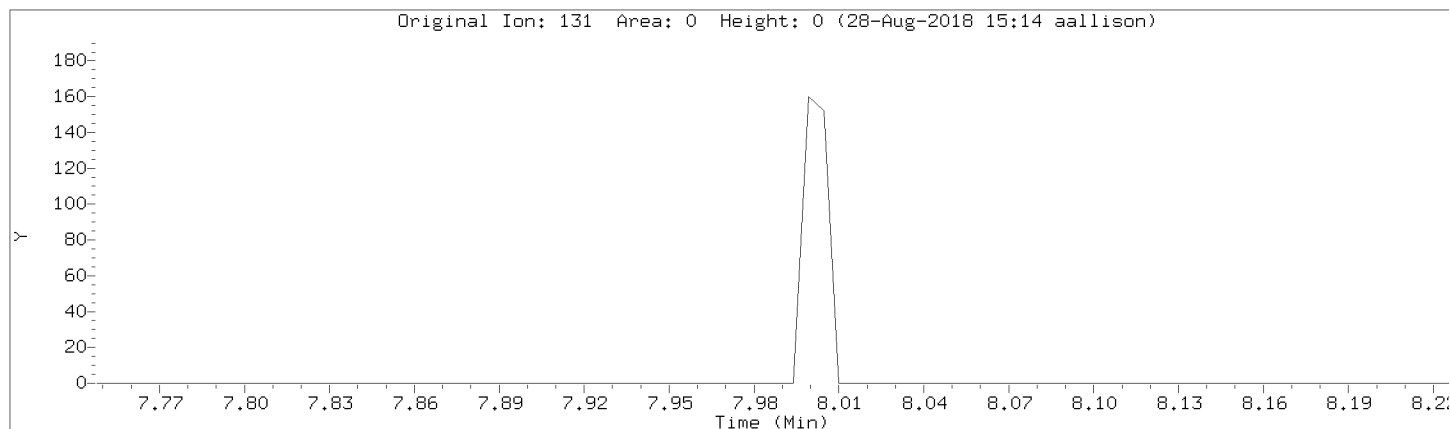


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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2

Compound: 1,1,2,2-Tetrachloroethane Review Code: NI
CAS Number: 79-34-5



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a02.d
Injection Date: 28-AUG-2018 14:59
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 28-AUG-2018 14:59

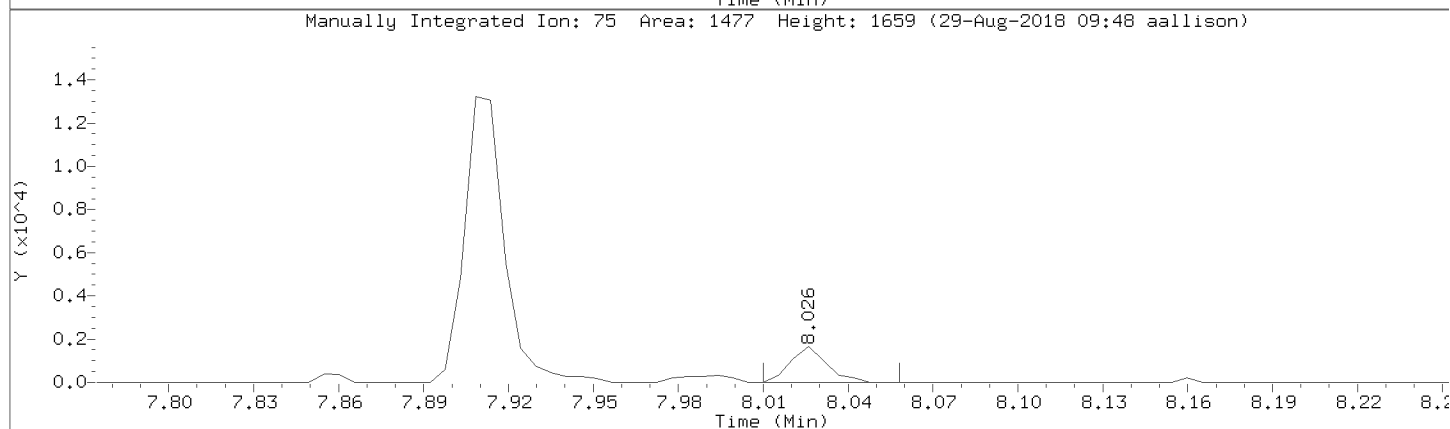
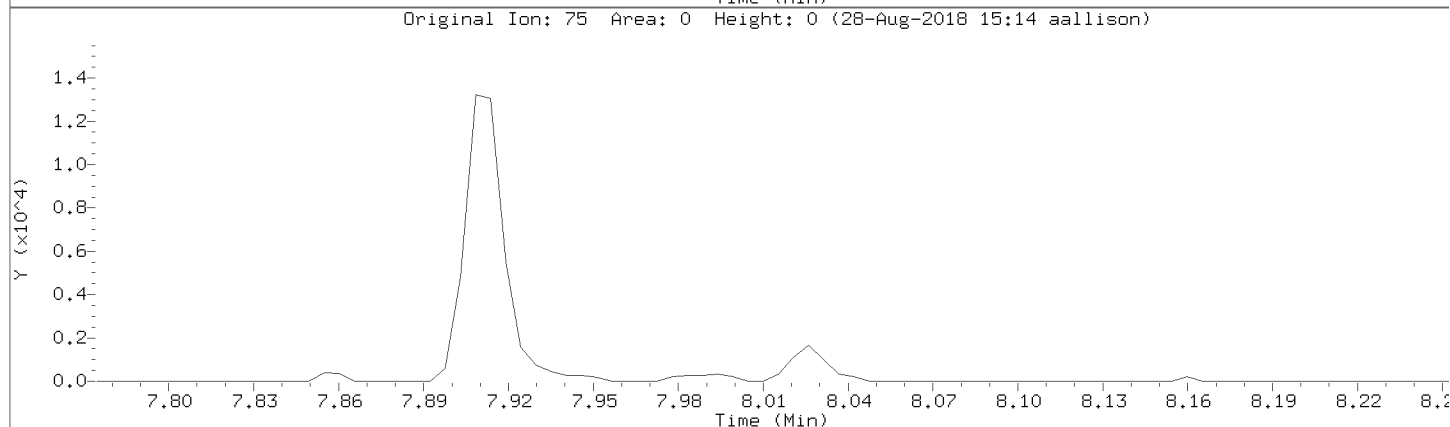
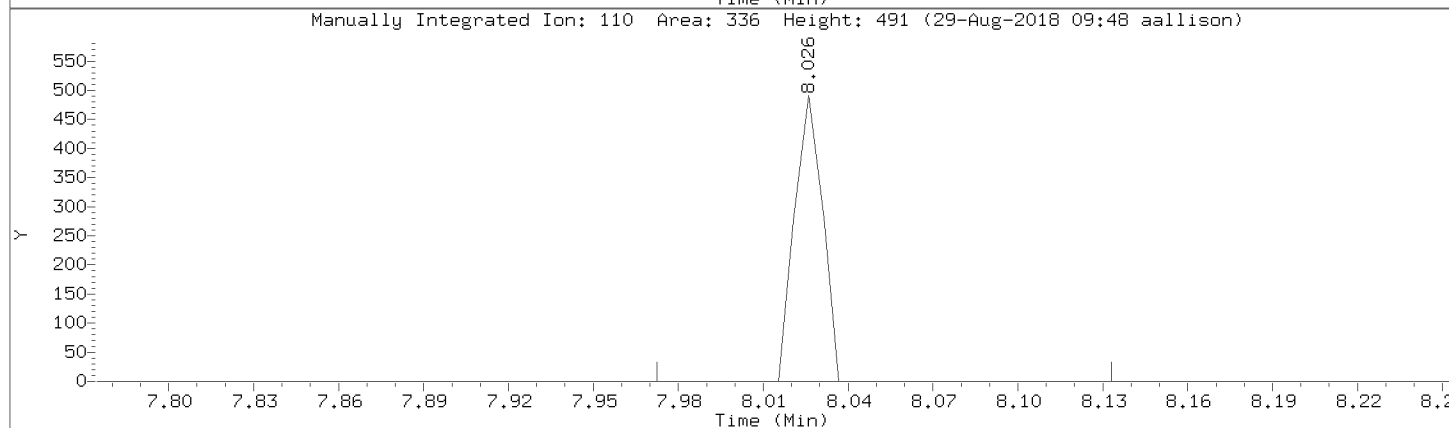
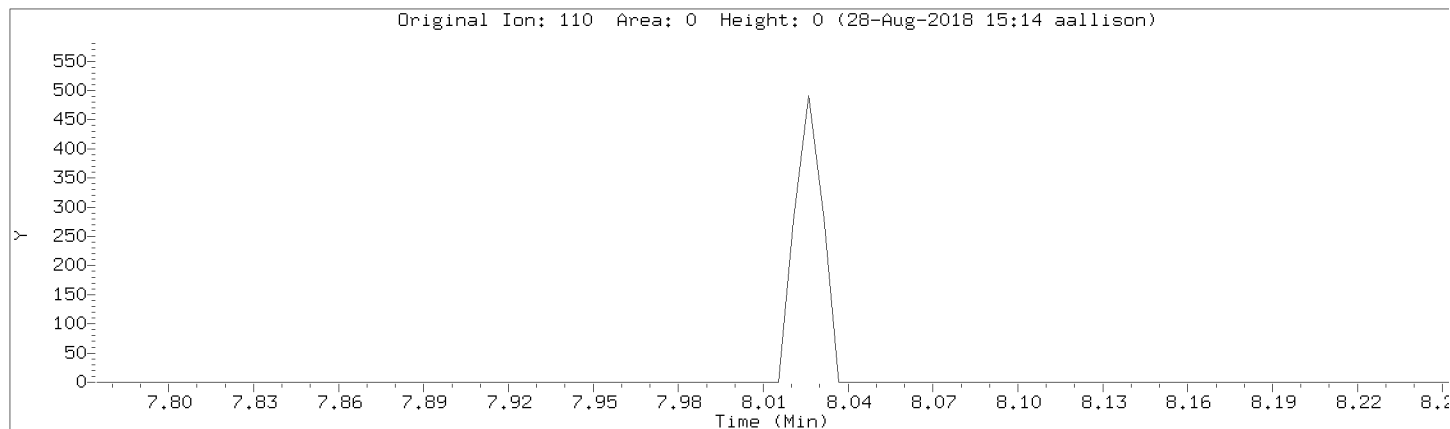
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL2

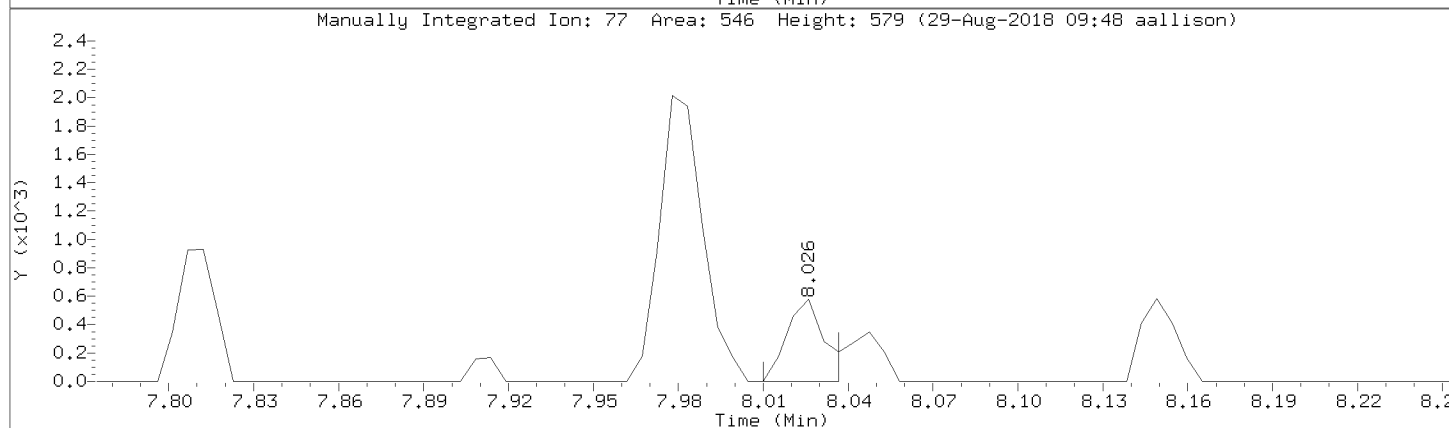
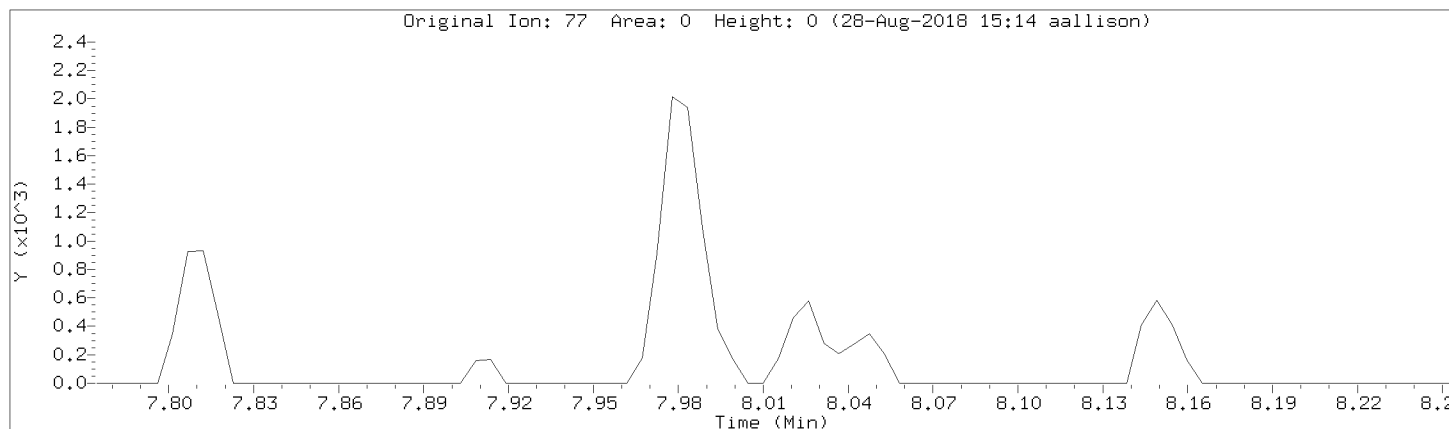
Compound: 1,2,3-Trichloropropane

Review Code: NI

CAS Number: 96-18-4



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a02.d
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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 28-AUG-2018 14:59

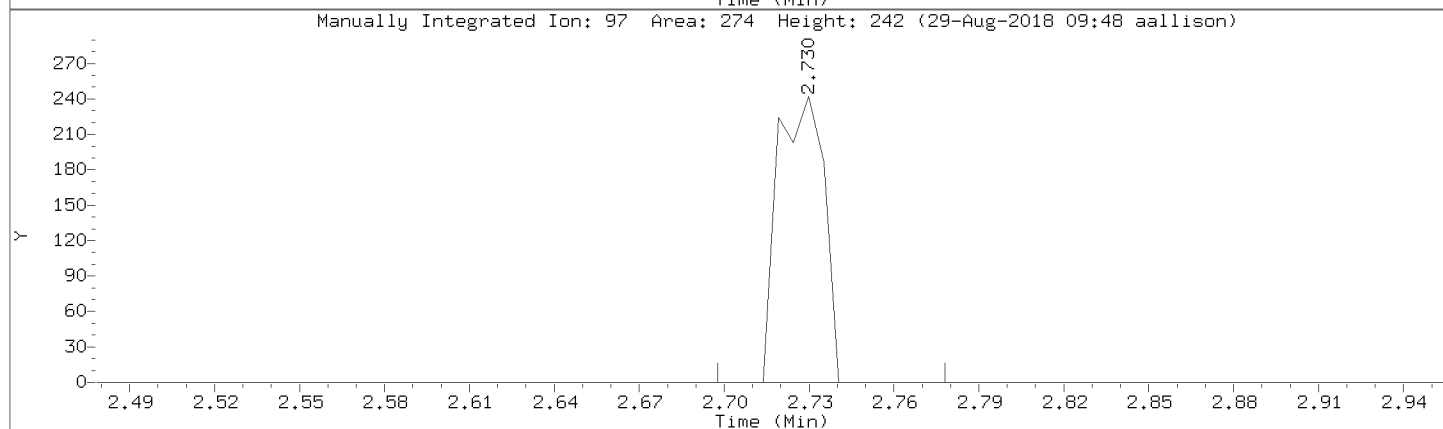
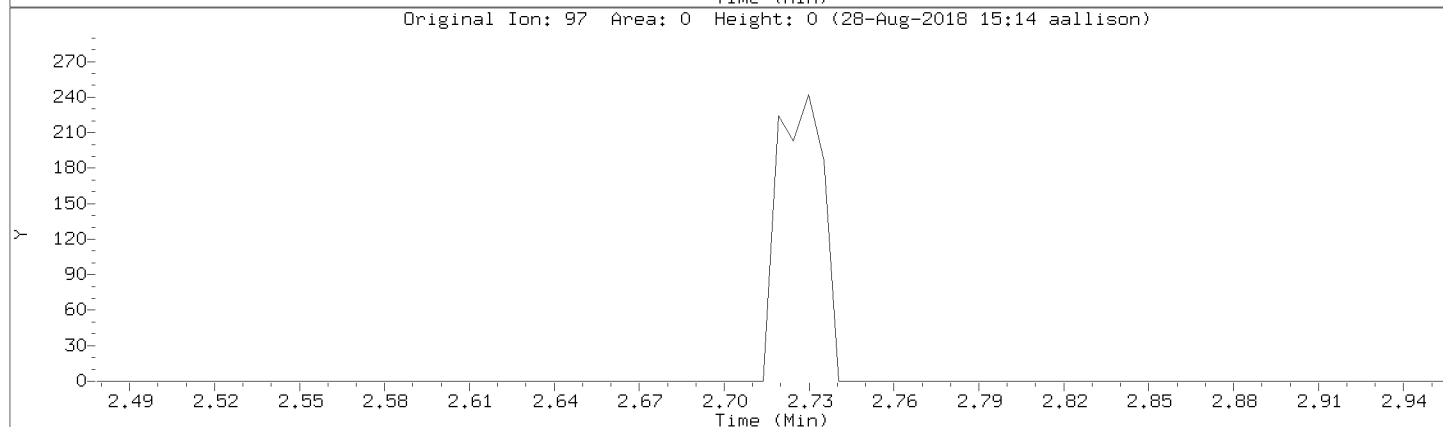
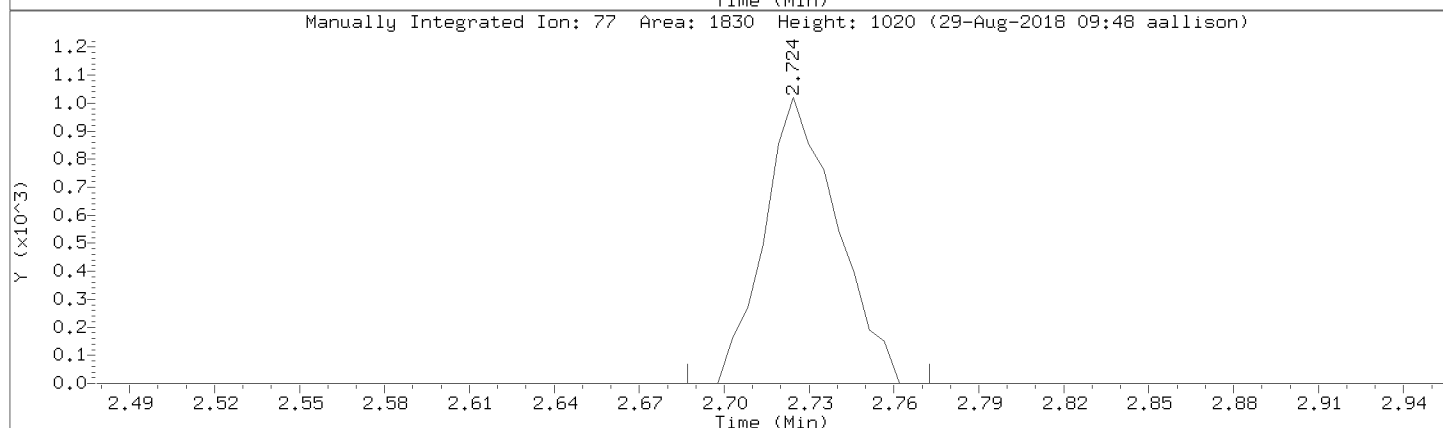
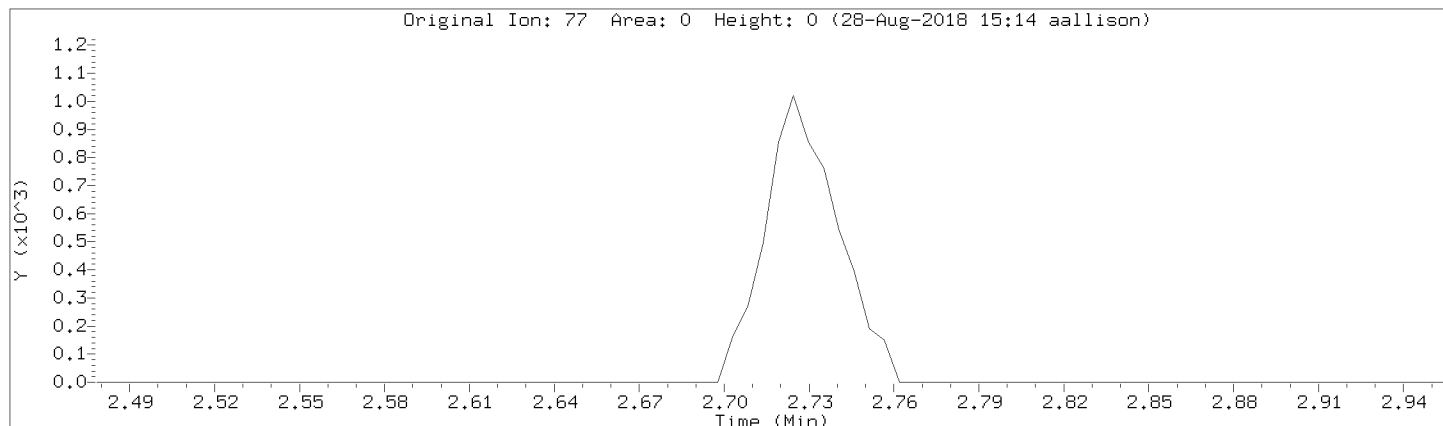
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL2

Compound: 2,2-Dichloropropane

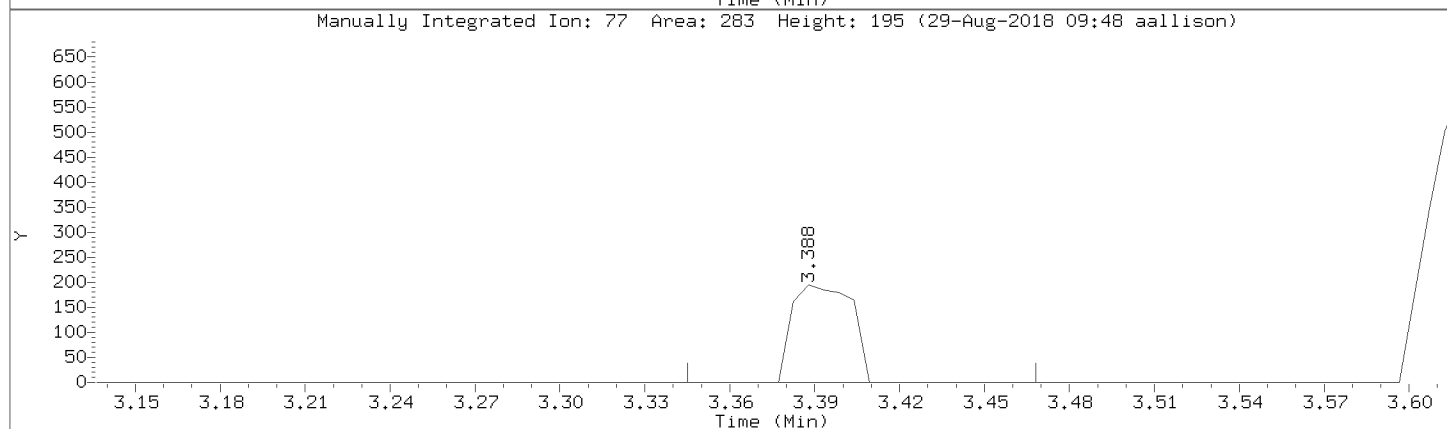
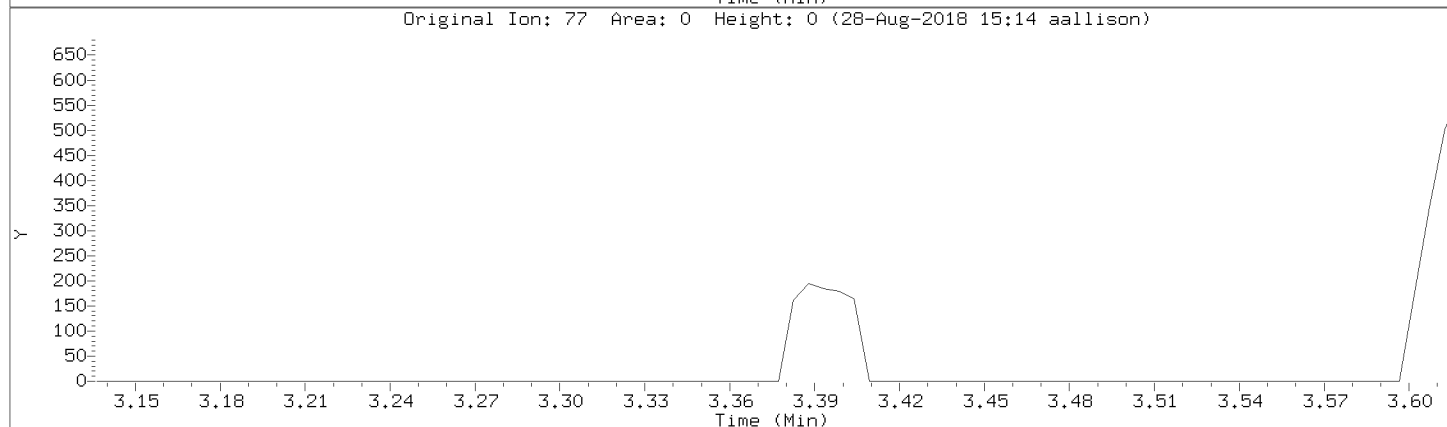
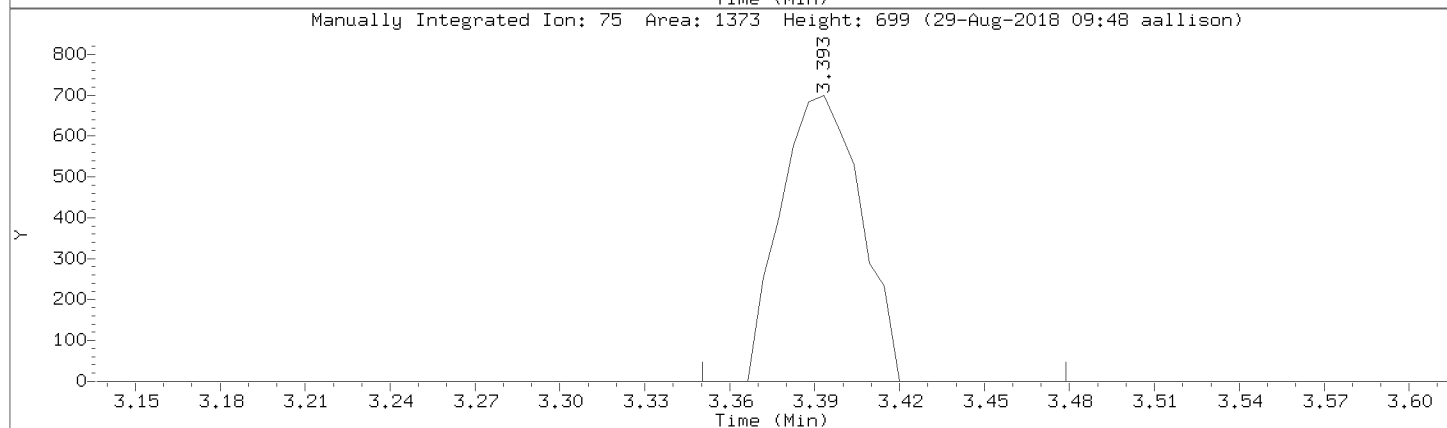
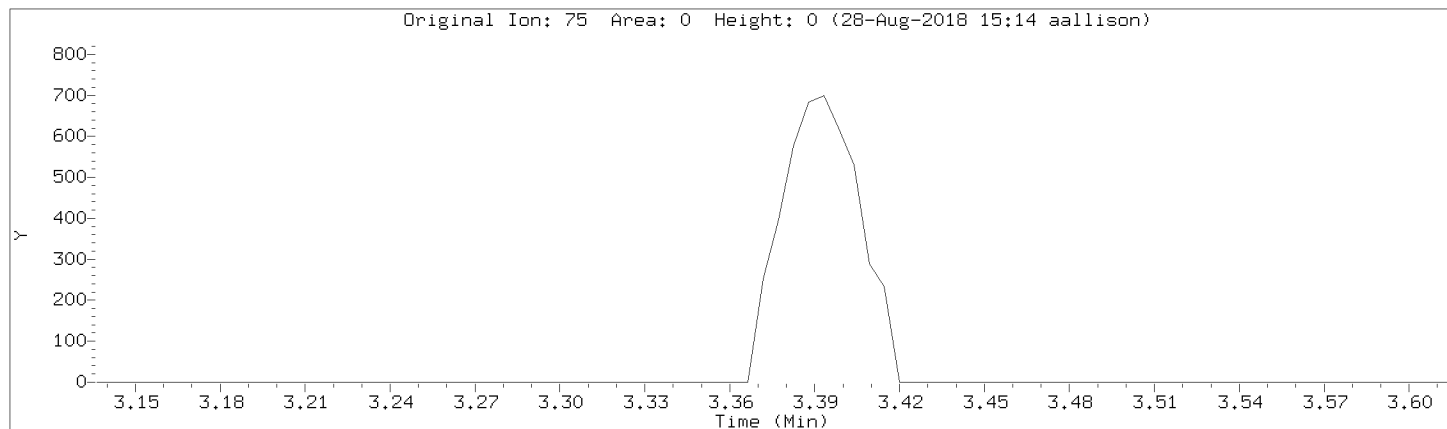
Review Code: NI

CAS Number: 594-20-7

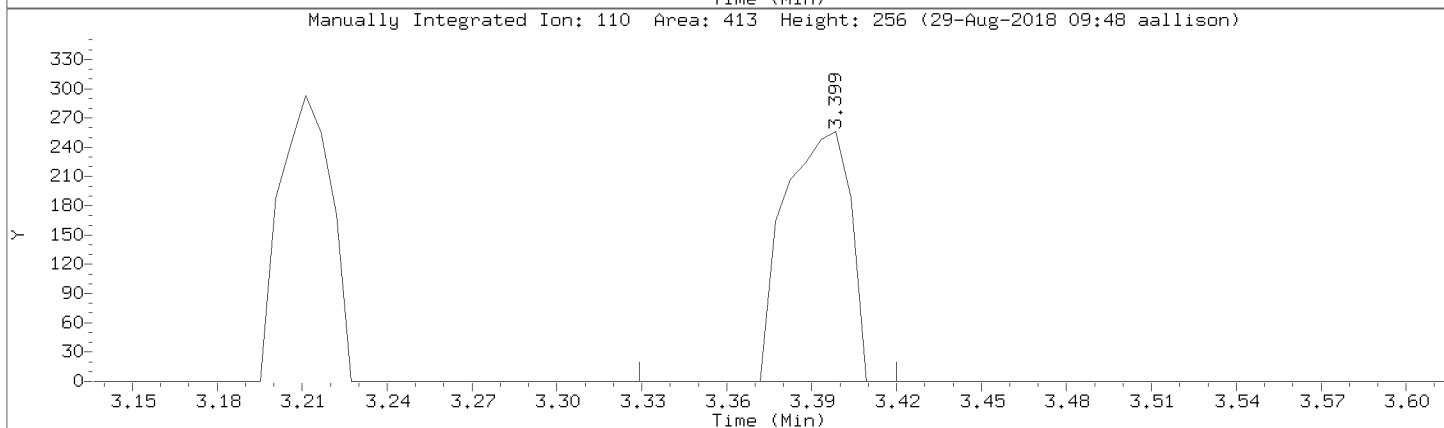
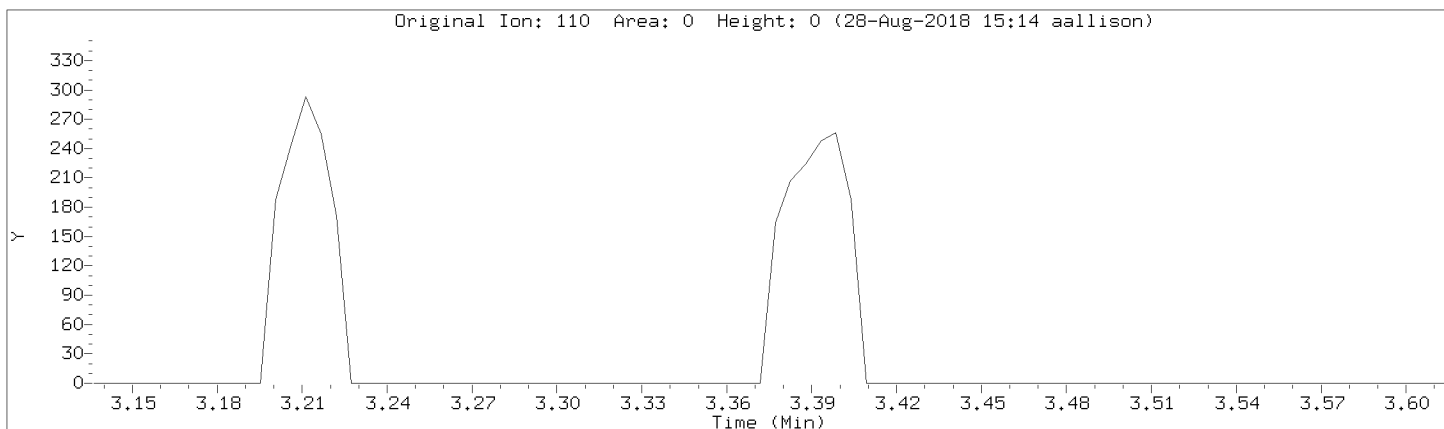


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Injection Date: 28-AUG-2018 14:59
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2

Compound: 1,1-Dichloropropene Review Code: NI
CAS Number: 563-58-6

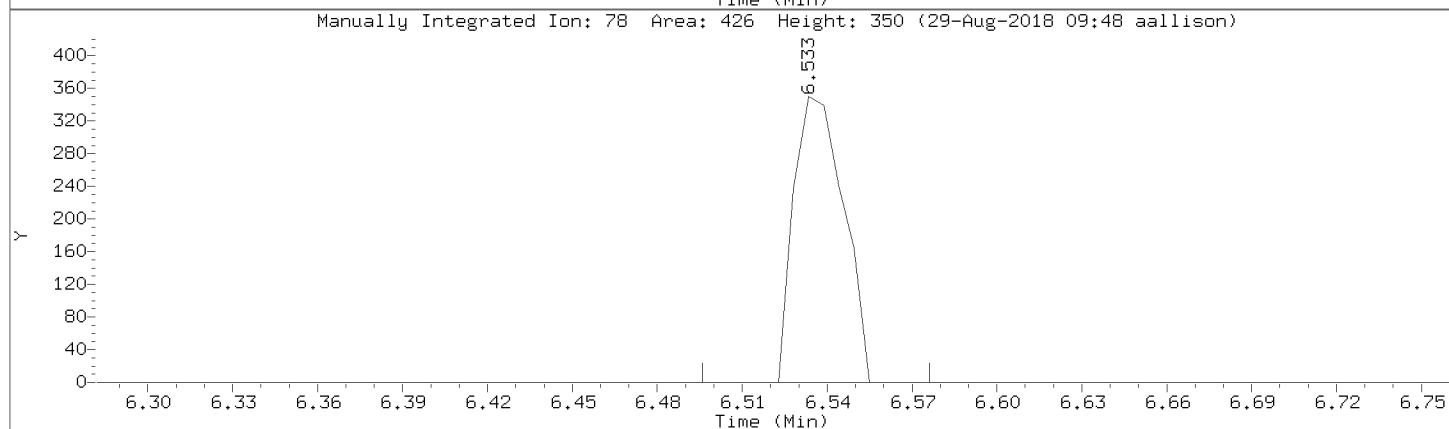
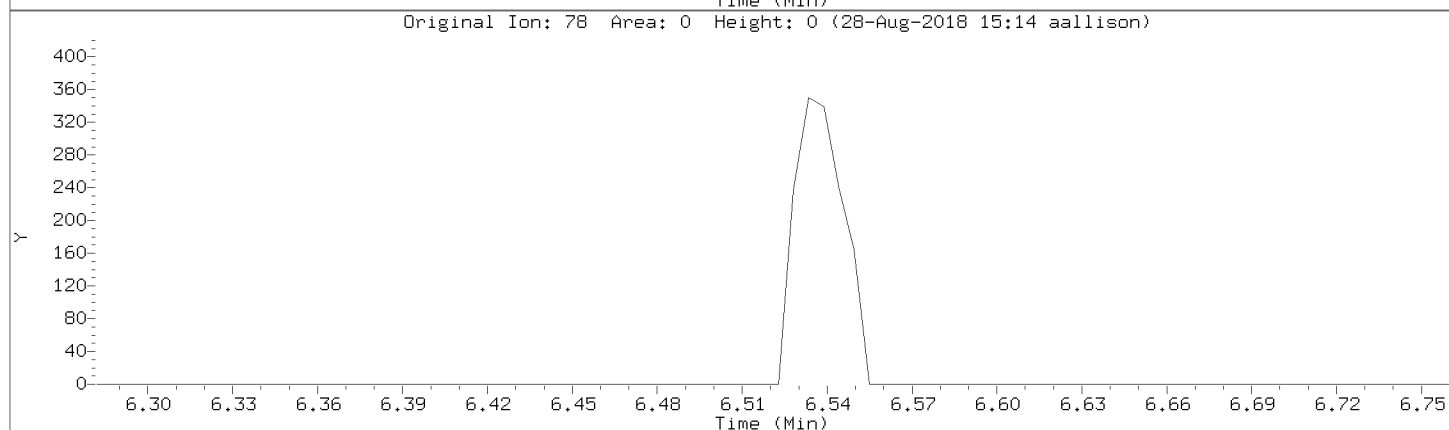
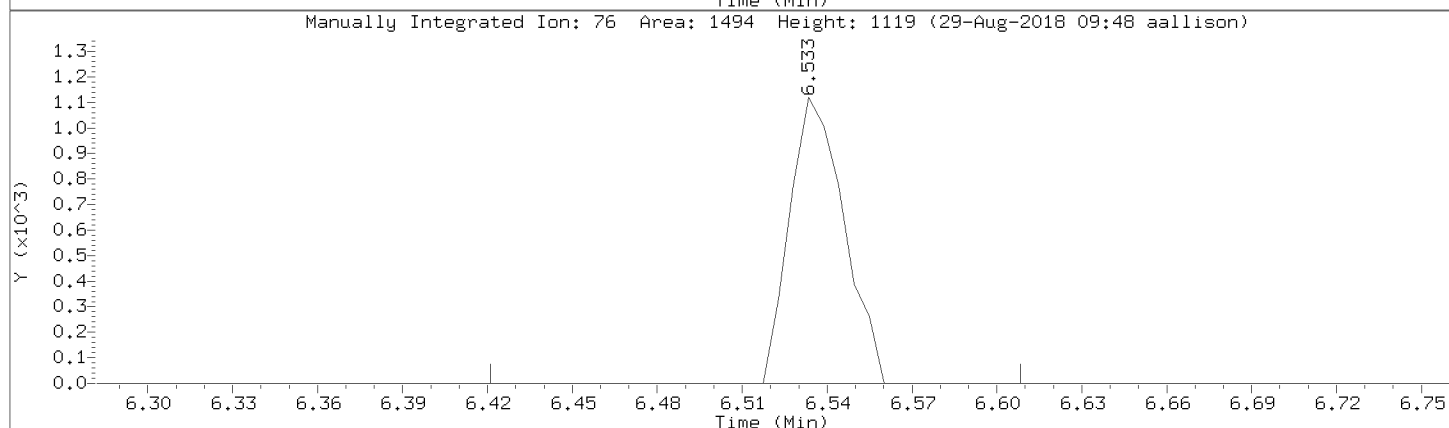
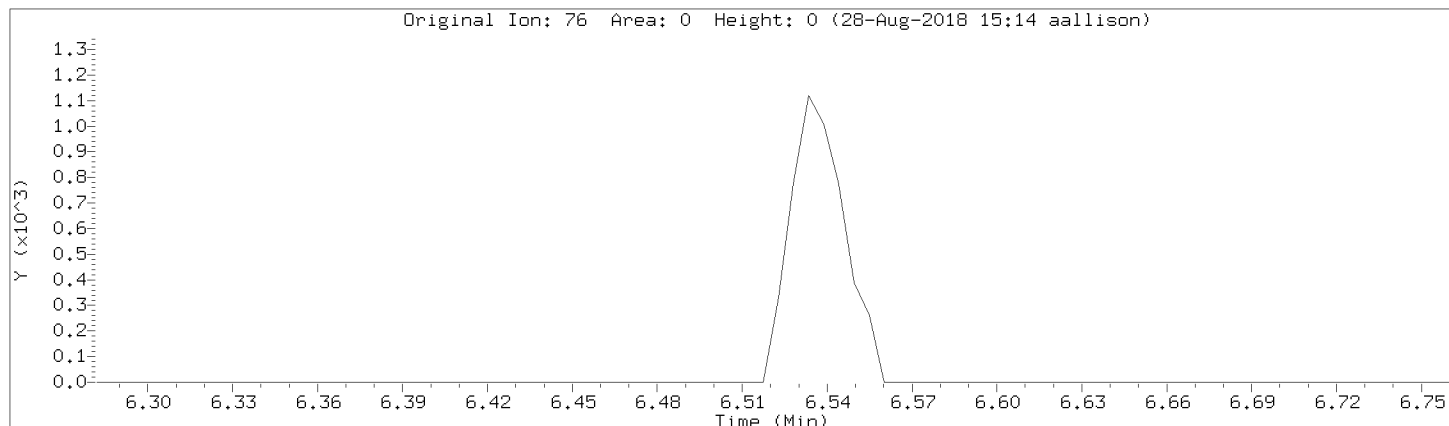


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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2



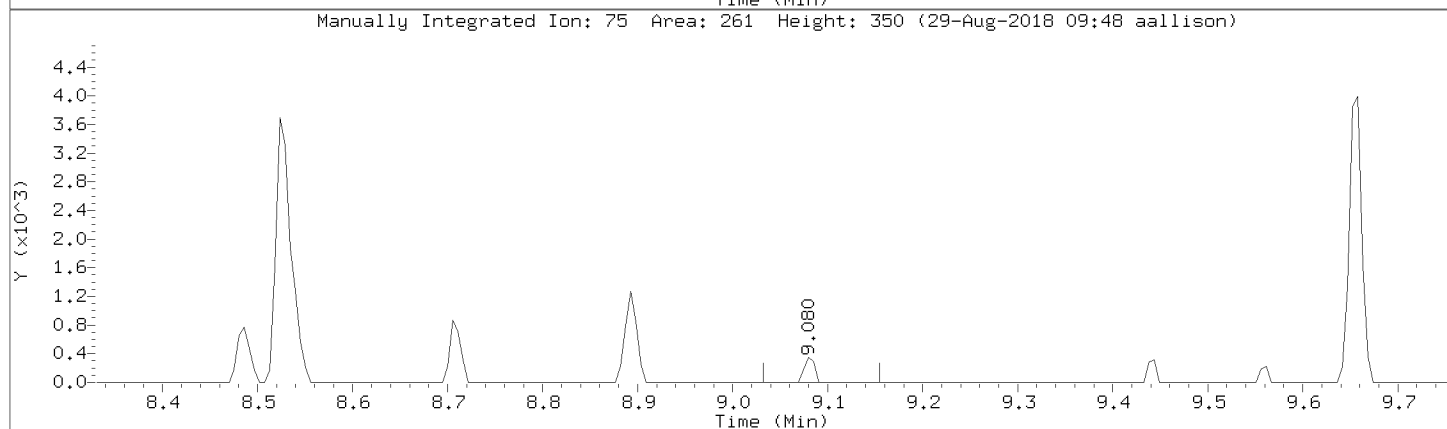
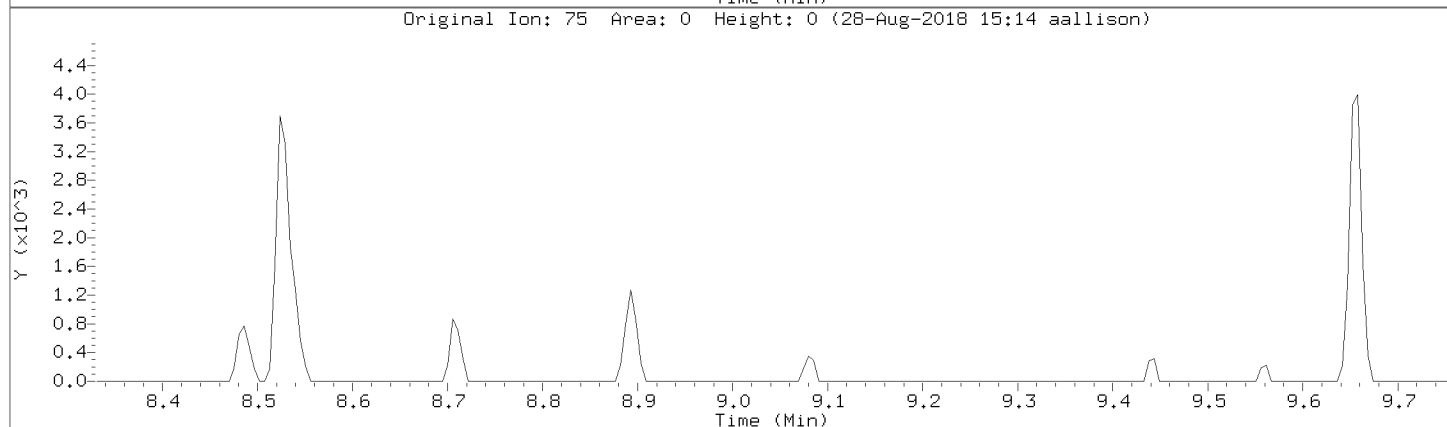
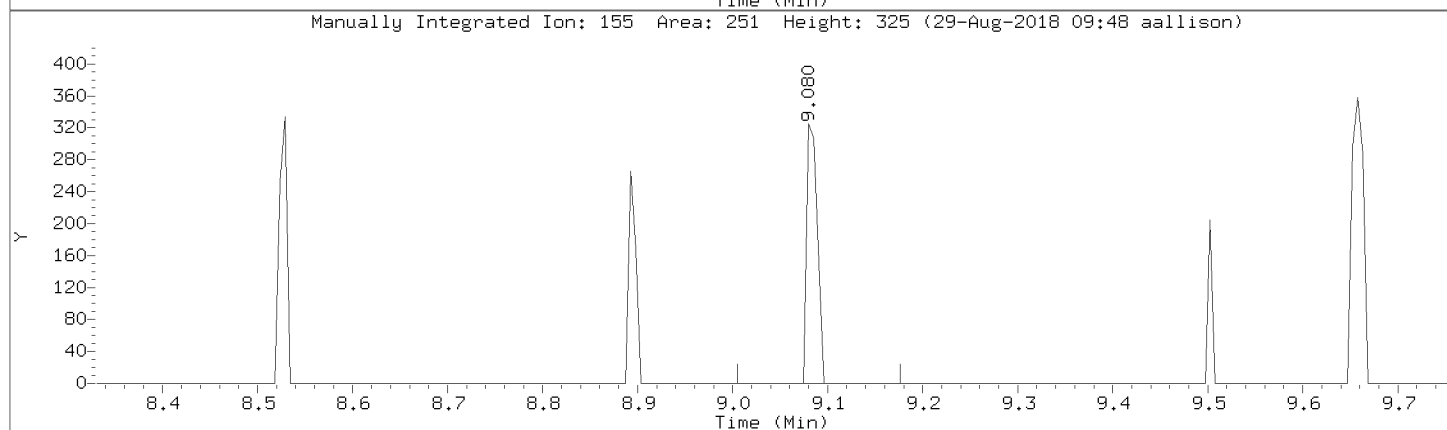
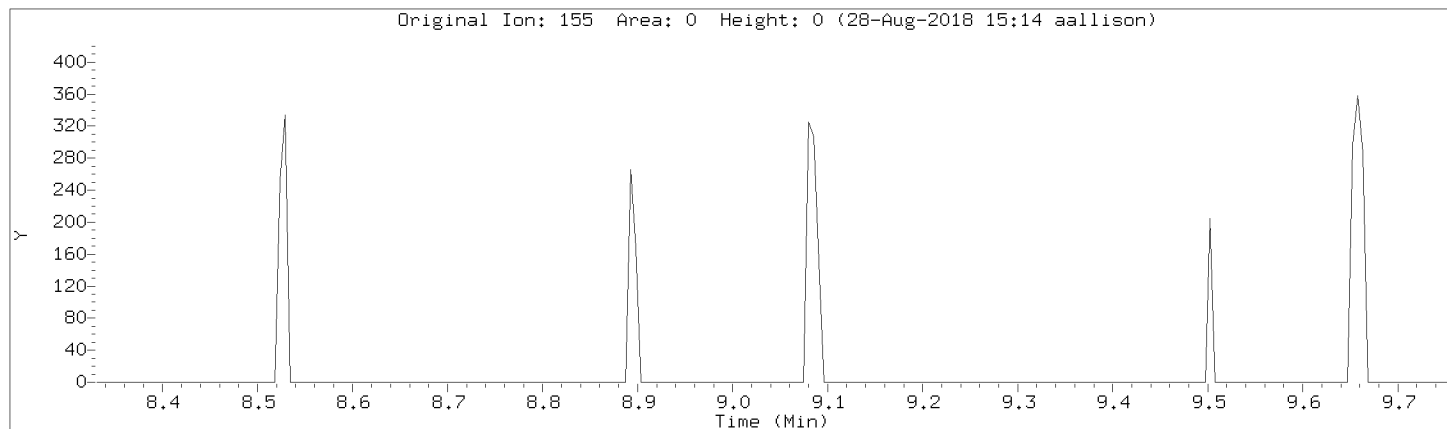
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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2

Compound: 1,3-Dichloropropane Review Code: NI
CAS Number: 142-28-9

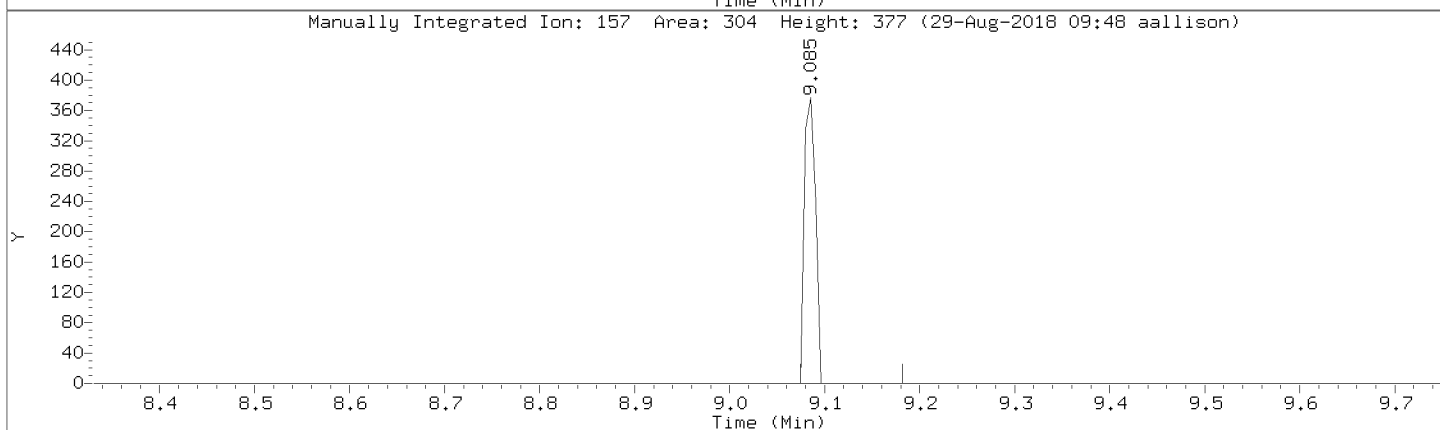
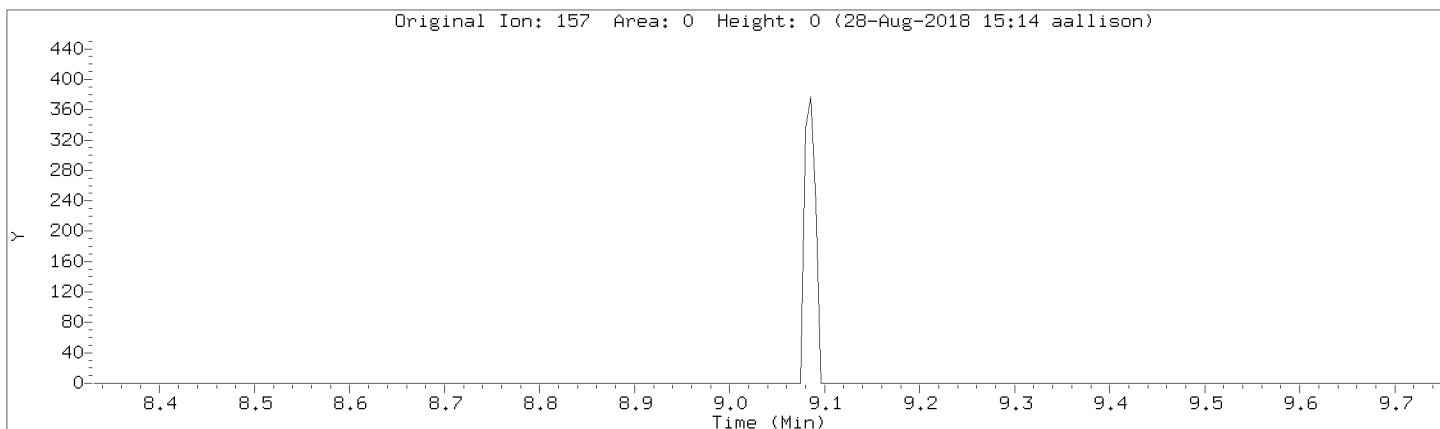


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Injection Date: 28-AUG-2018 14:59
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2

Compound: 1,2-Dibromo-3-chloropropane Review Code: NI
CAS Number: 96-12-8



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a02.d
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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 28-AUG-2018 14:59

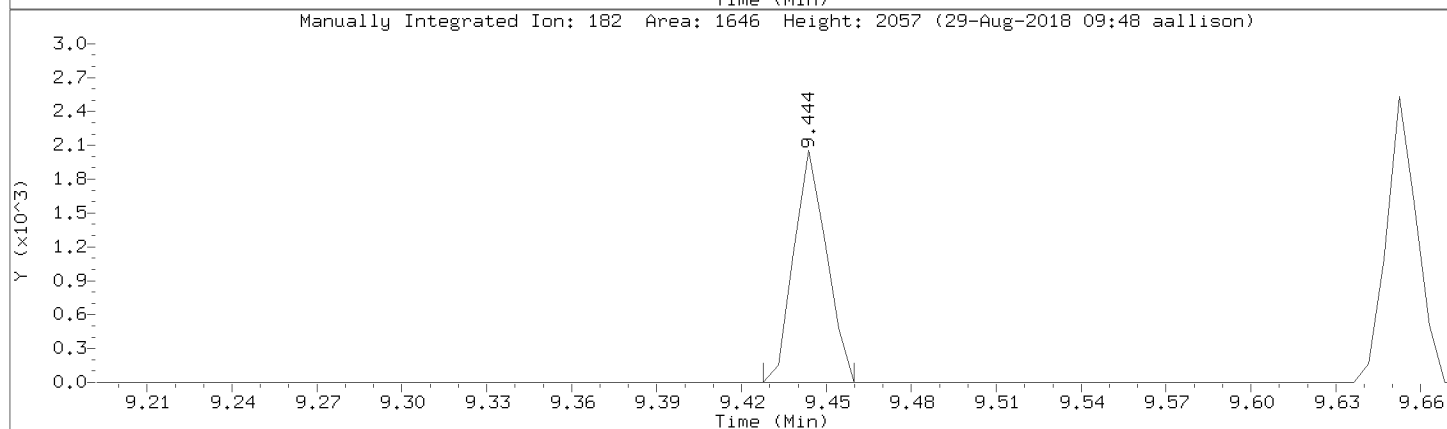
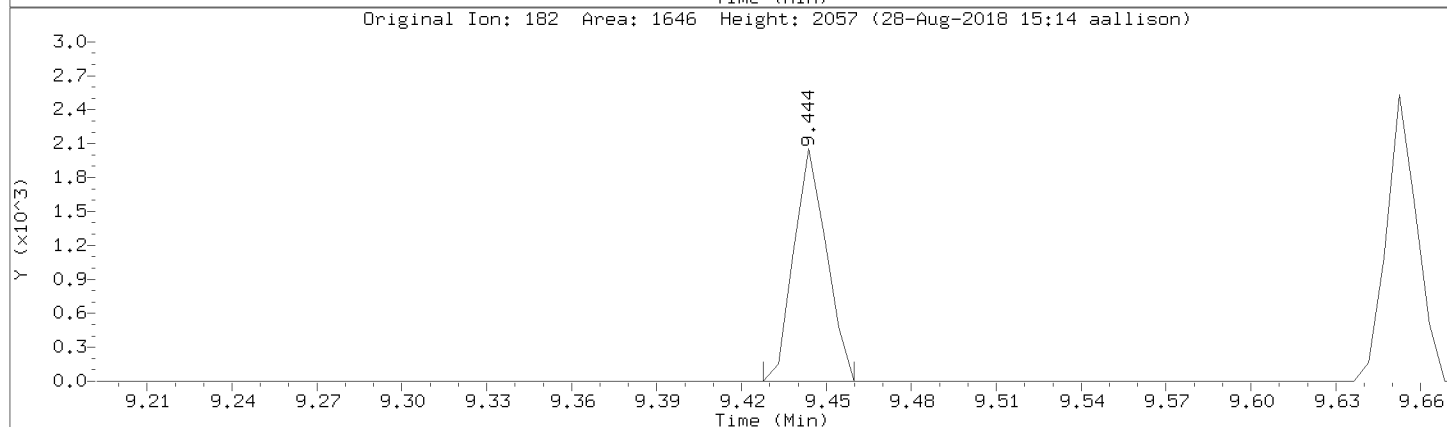
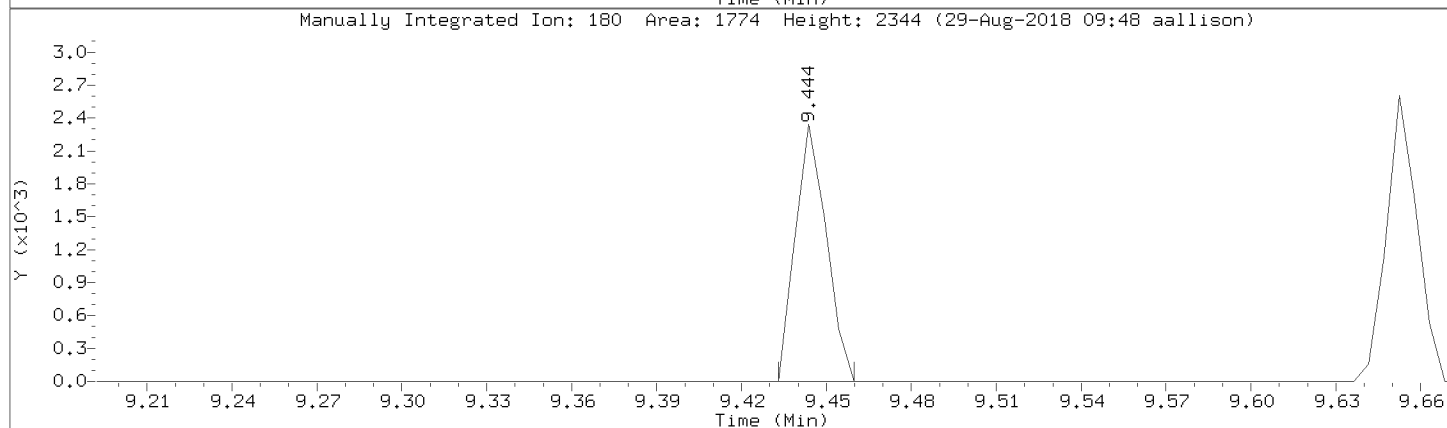
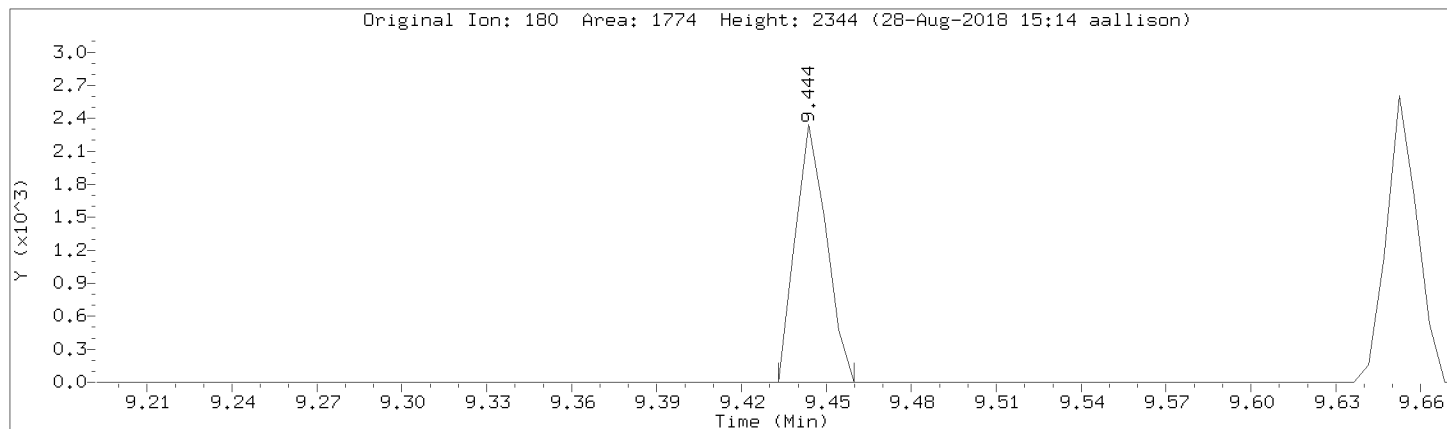
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Lab Sample ID: 8260-CAL2

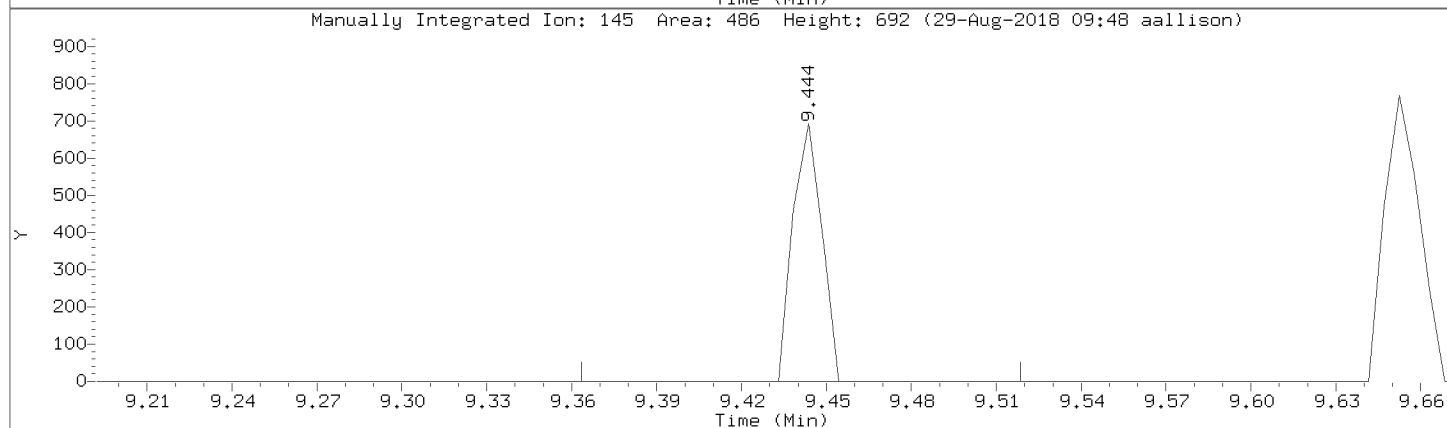
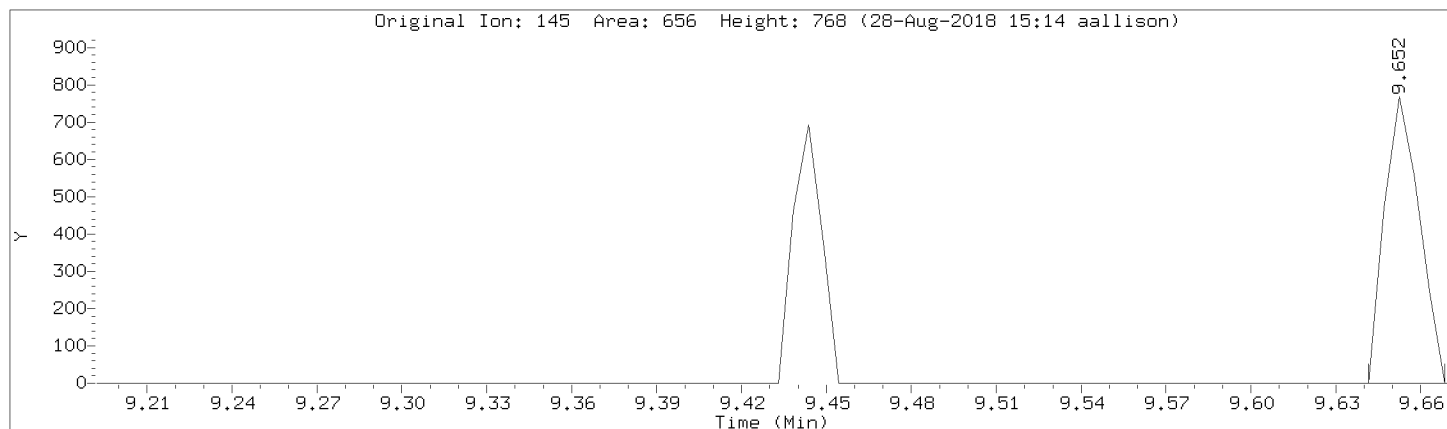
Compound: 1,2,4-Trichlorobenzene

Review Code: WP

CAS Number: 120-82-1



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Injection Date: 28-AUG-2018 14:59
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2



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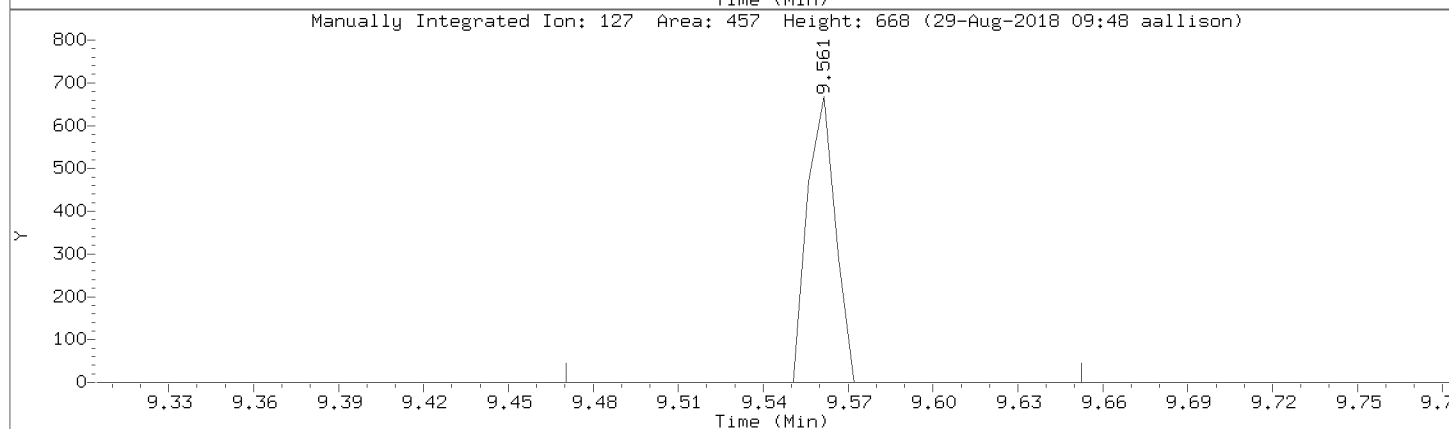
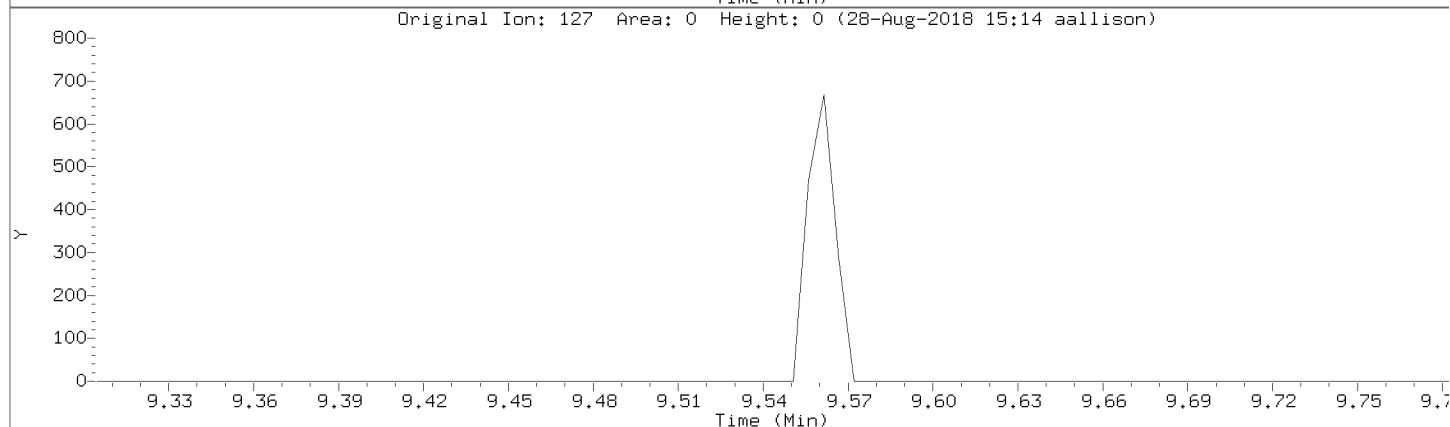
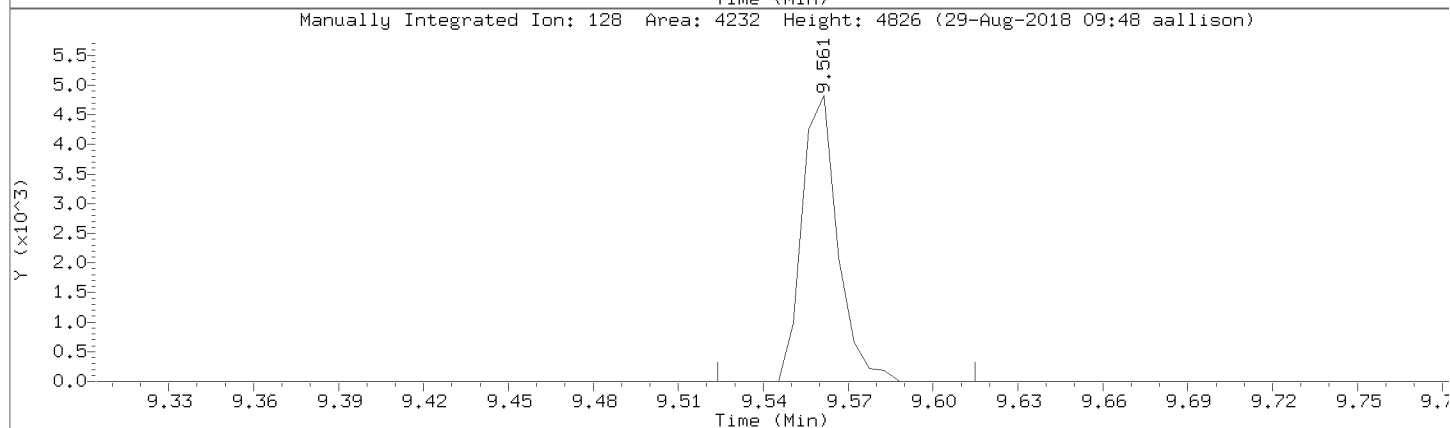
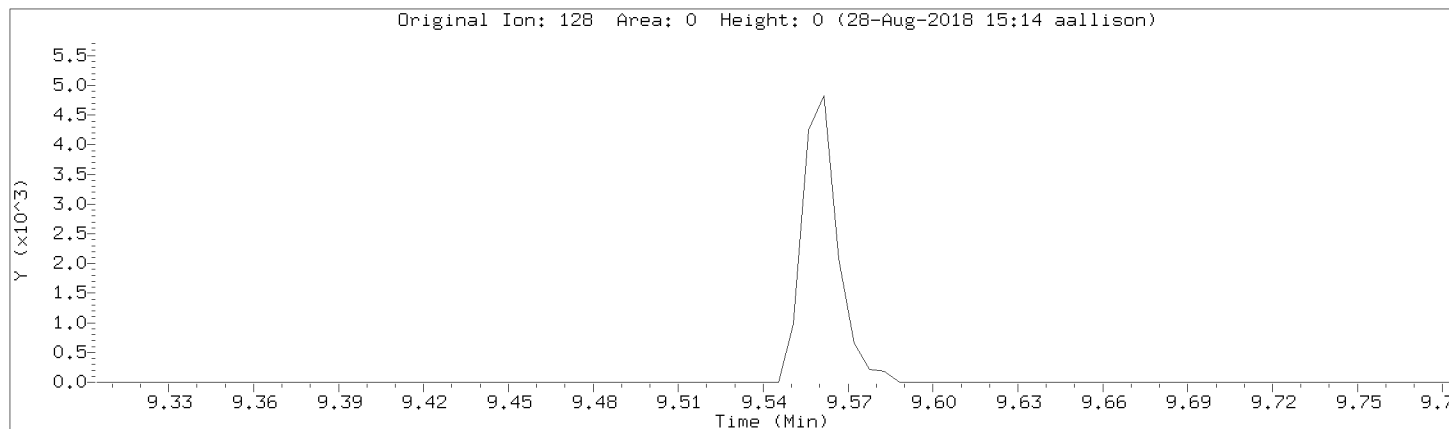
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL2

Compound: Naphthalene

Review Code: NI

CAS Number: 91-20-3



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Injection Date: 28-AUG-2018 14:59

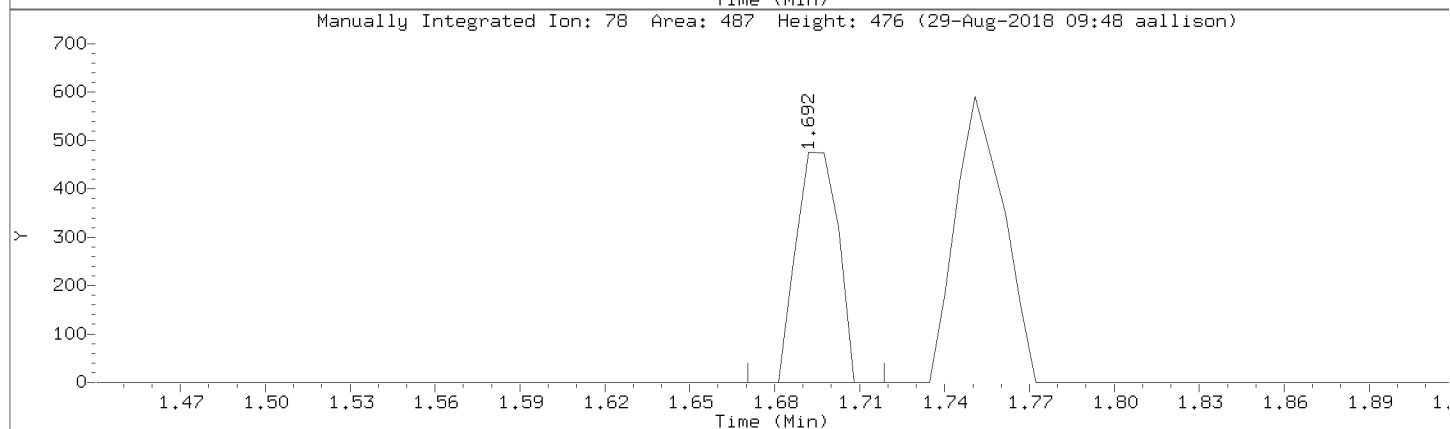
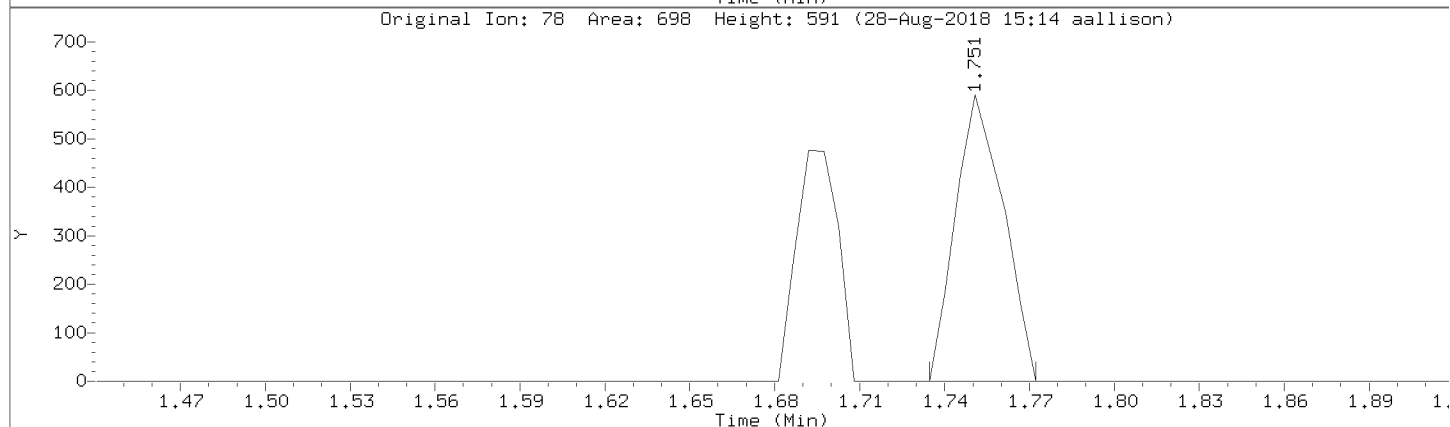
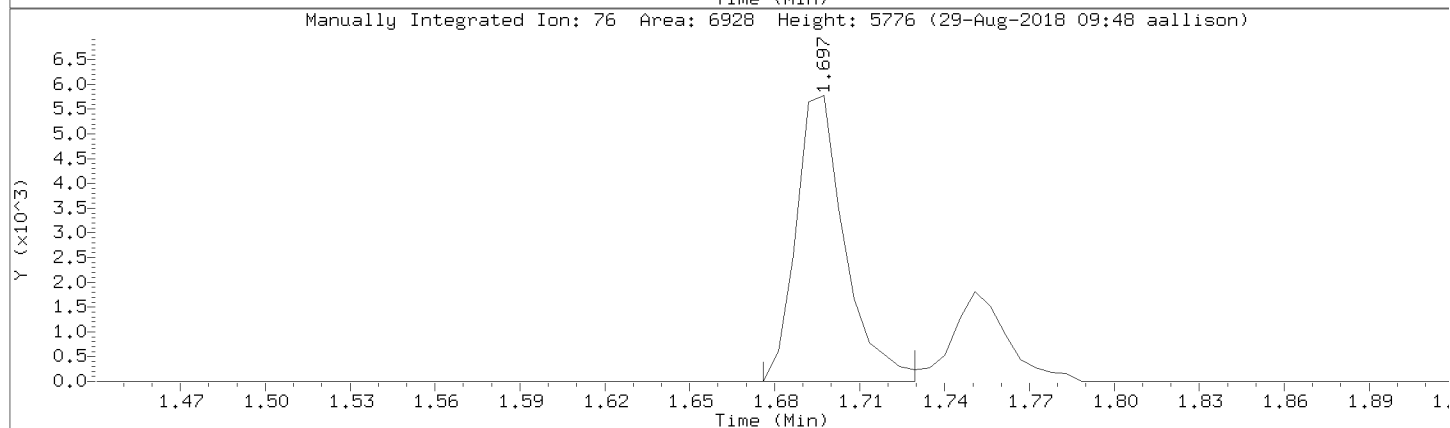
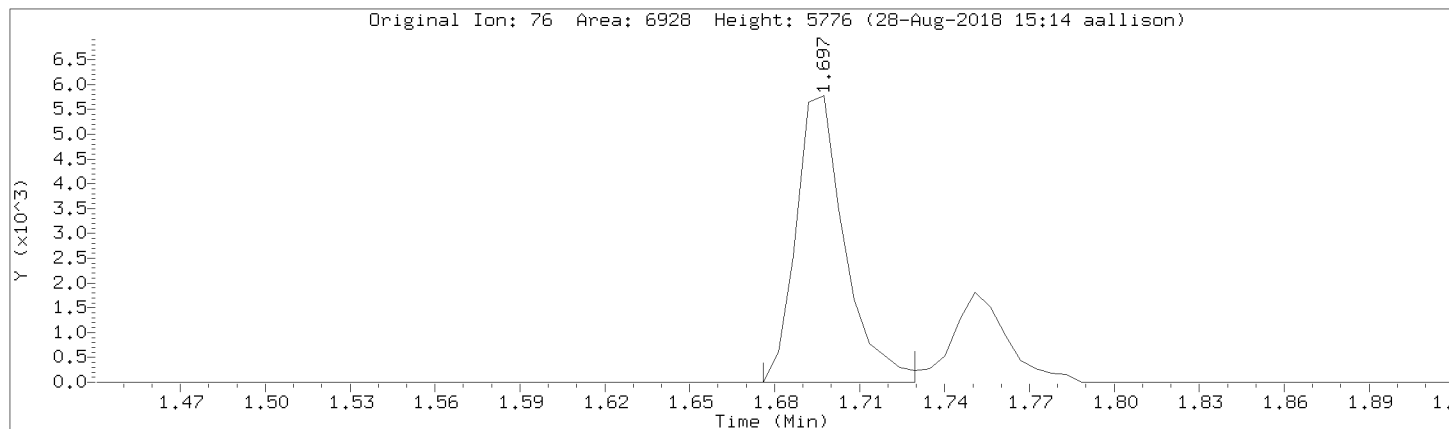
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL2

Compound: Carbon Disulfide

Review Code: WP

CAS Number: 75-15-0



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Injection Date: 28-AUG-2018 14:59

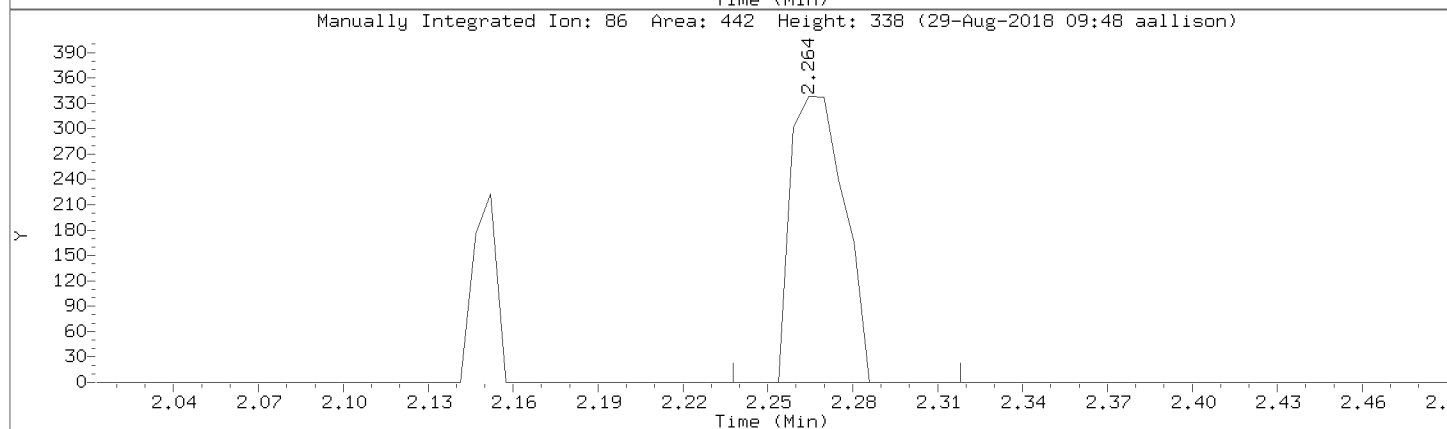
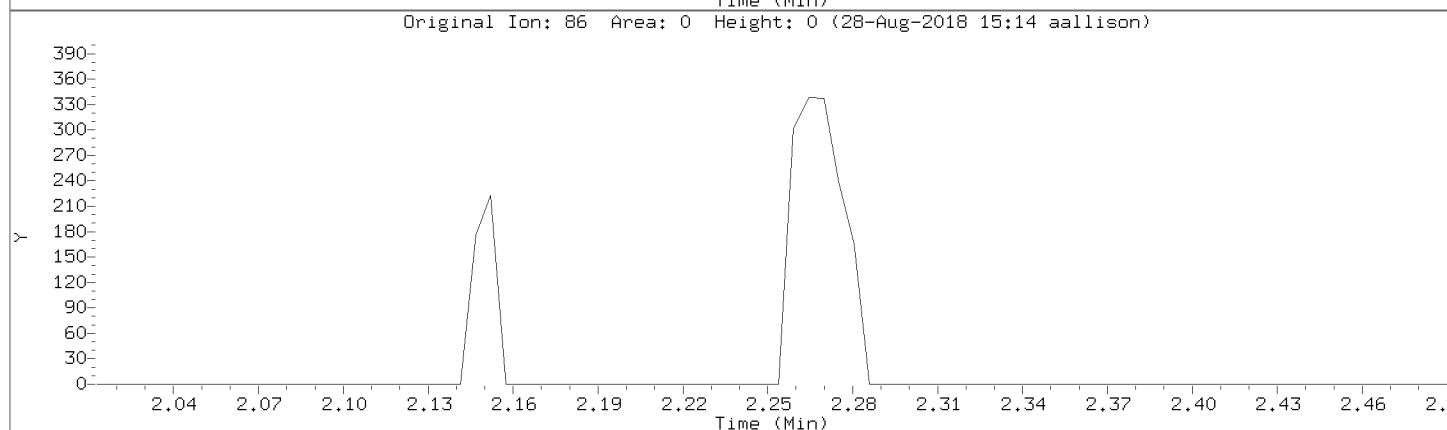
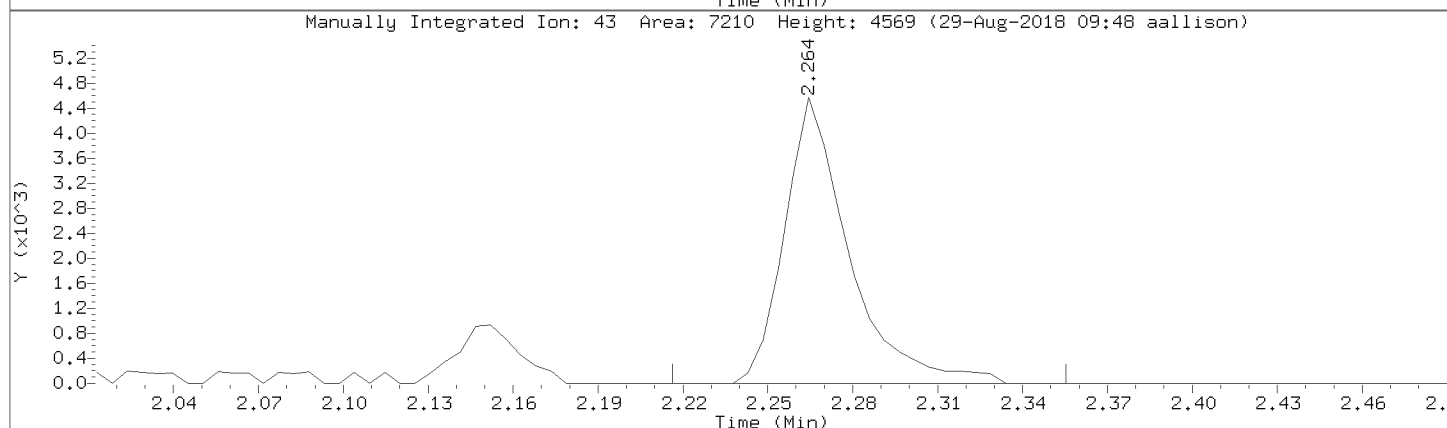
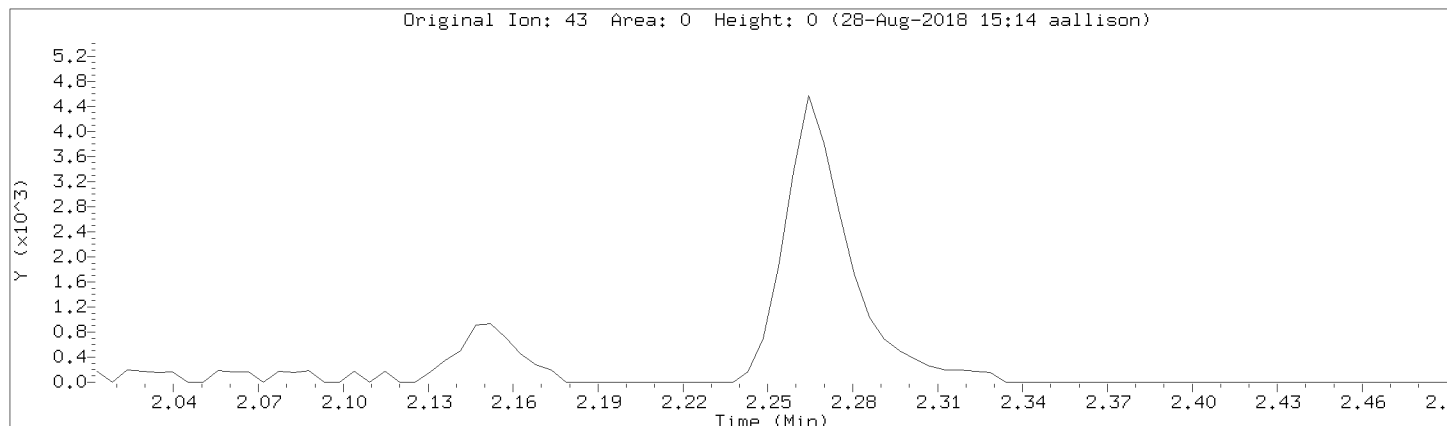
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL2

Compound: Vinyl Acetate

Review Code: NI

CAS Number: 108-05-4



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Injection Date: 28-AUG-2018 14:59

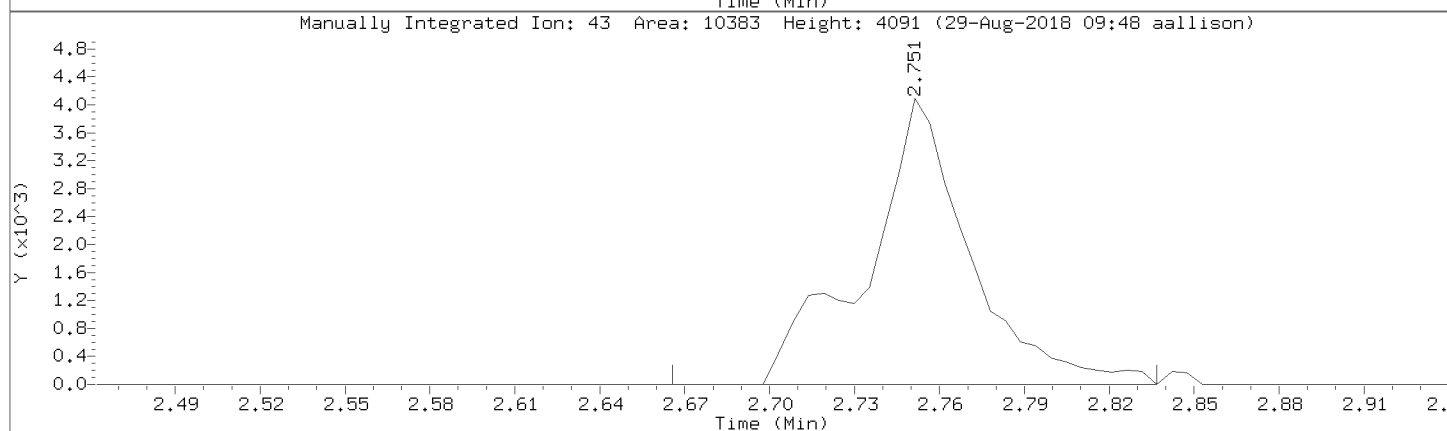
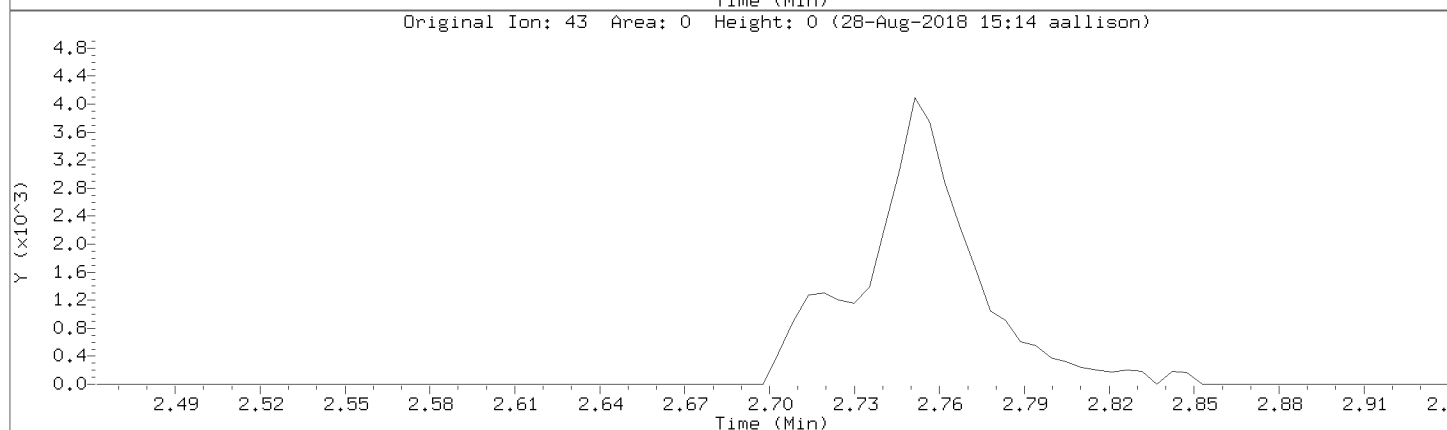
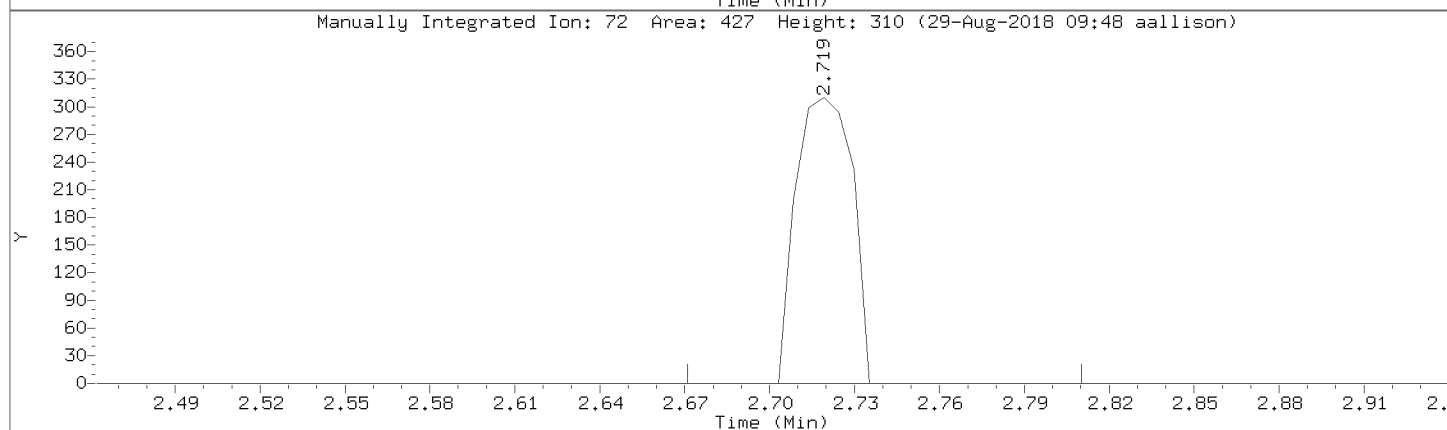
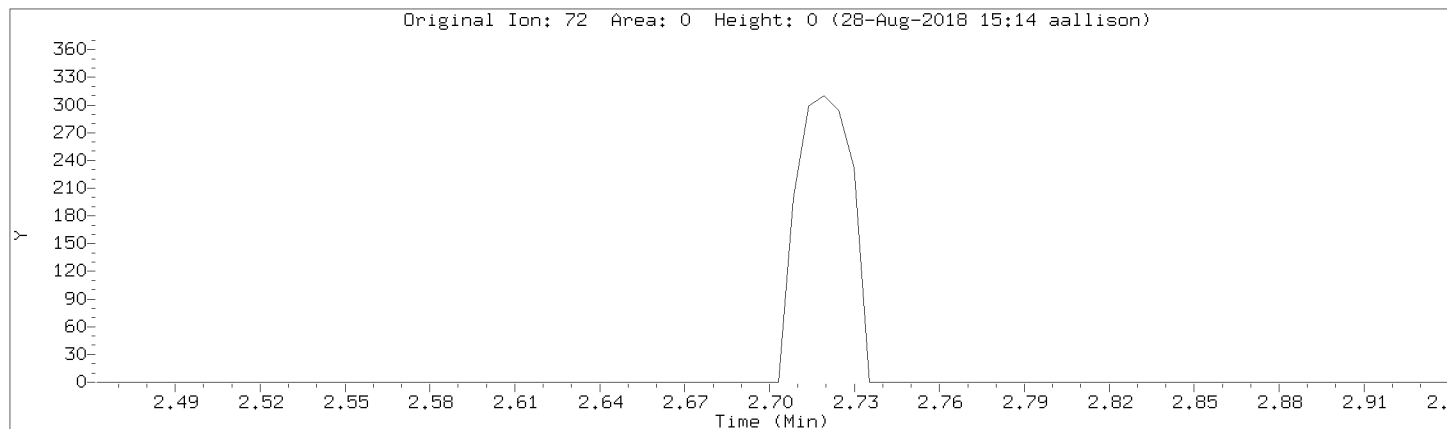
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL2

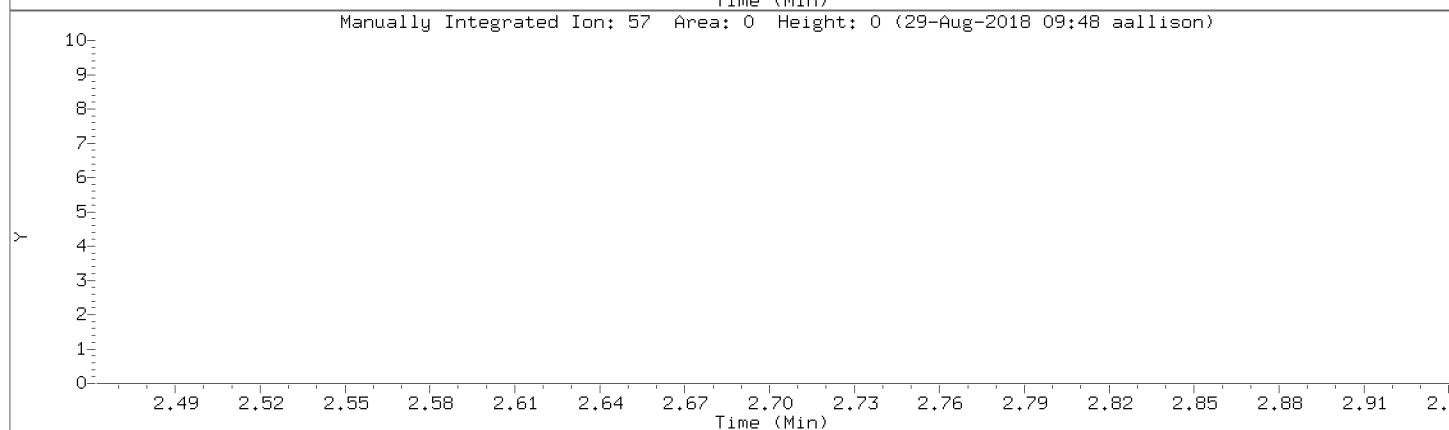
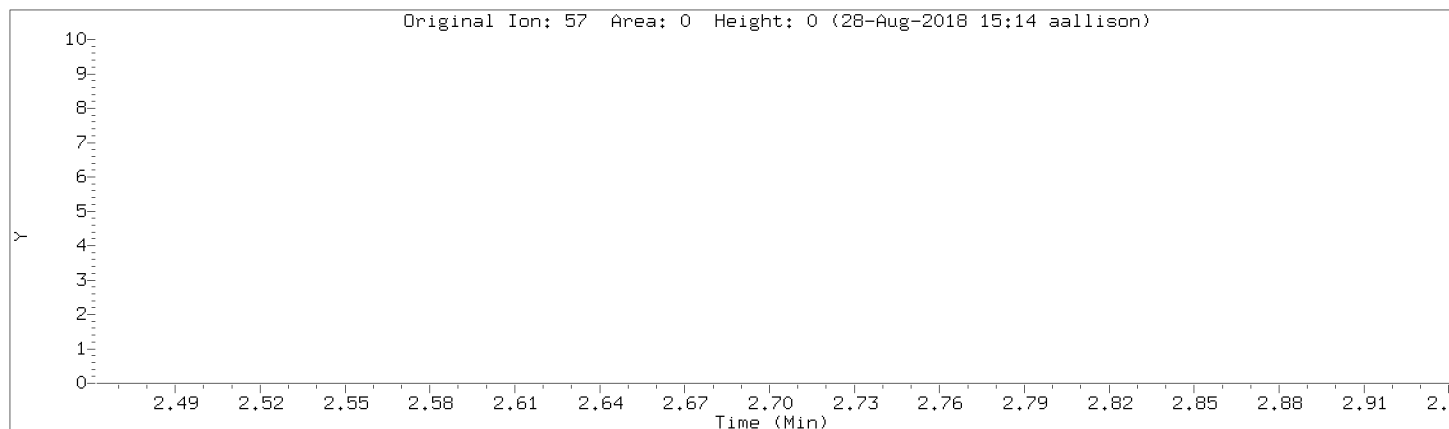
Compound: 2-Butanone

Review Code: NI

CAS Number: 78-93-3

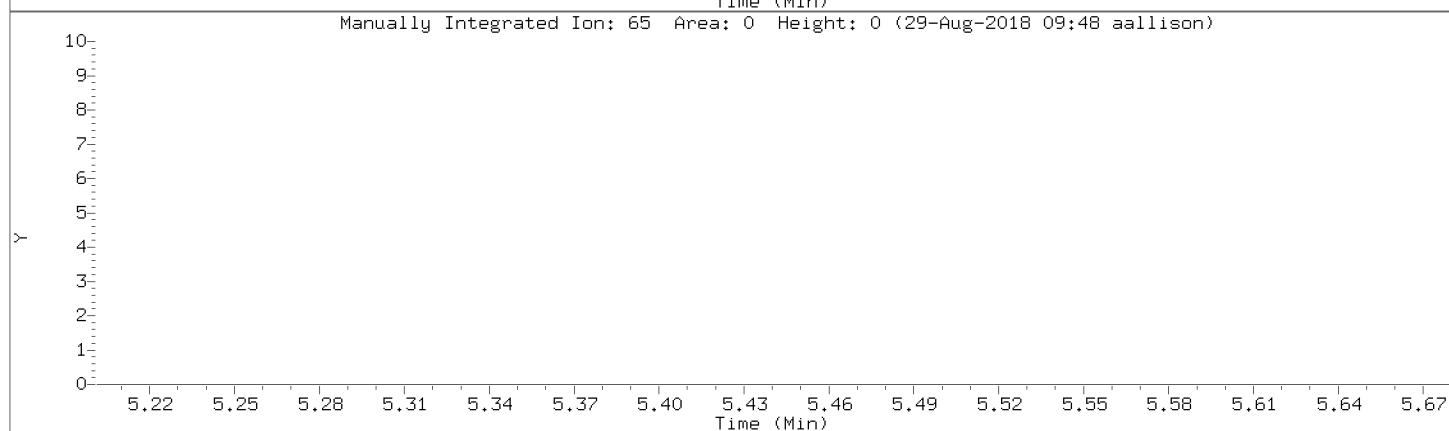
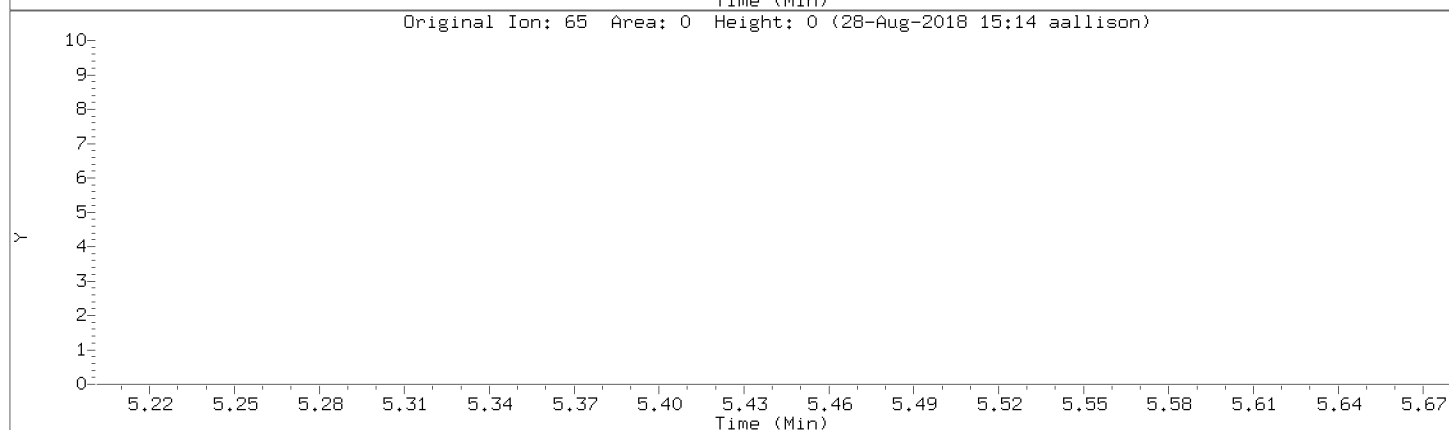
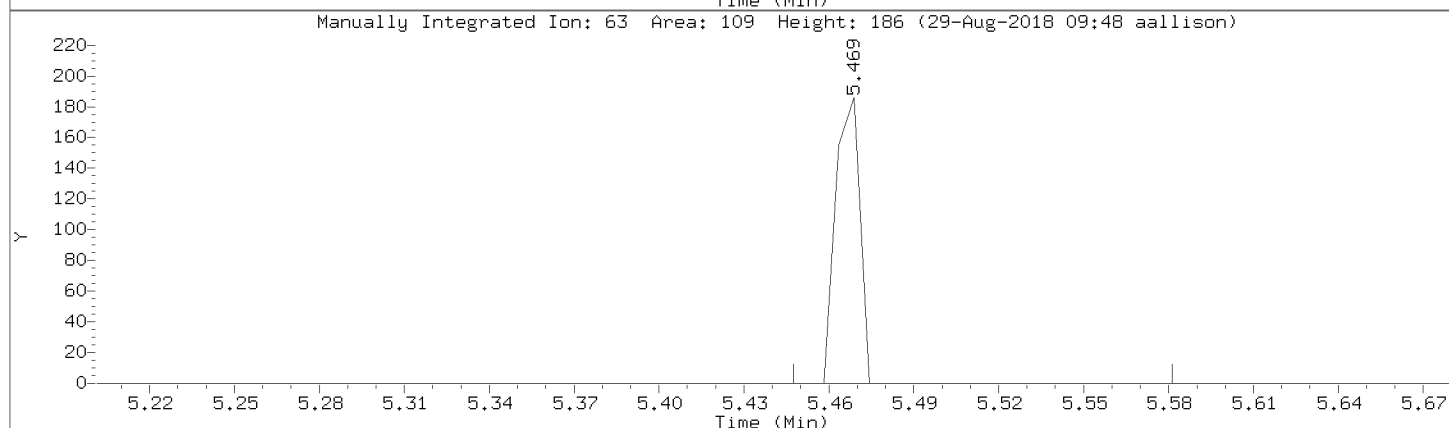
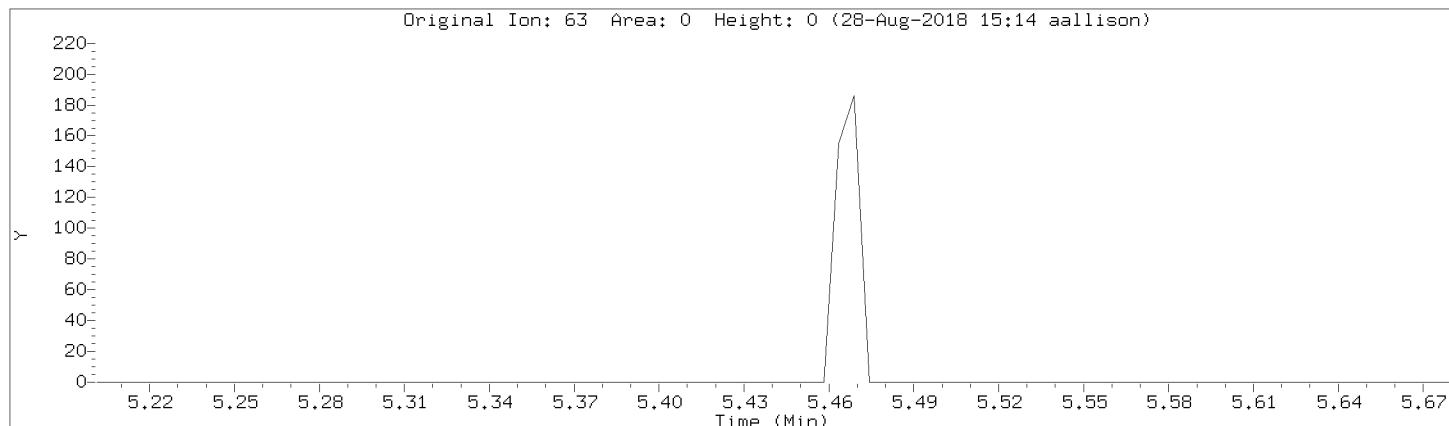


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Injection Date: 28-AUG-2018 14:59
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2



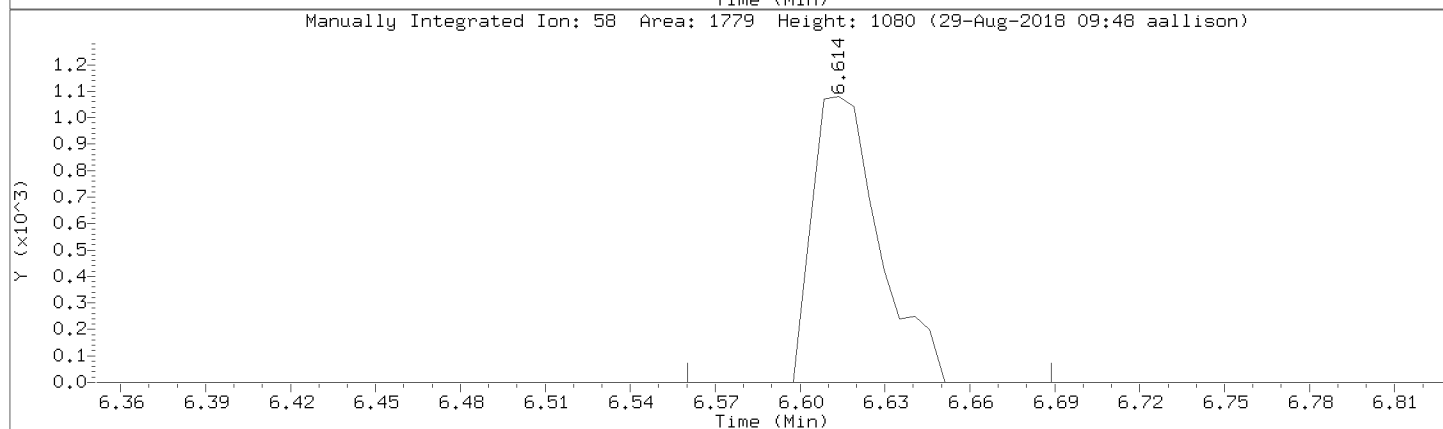
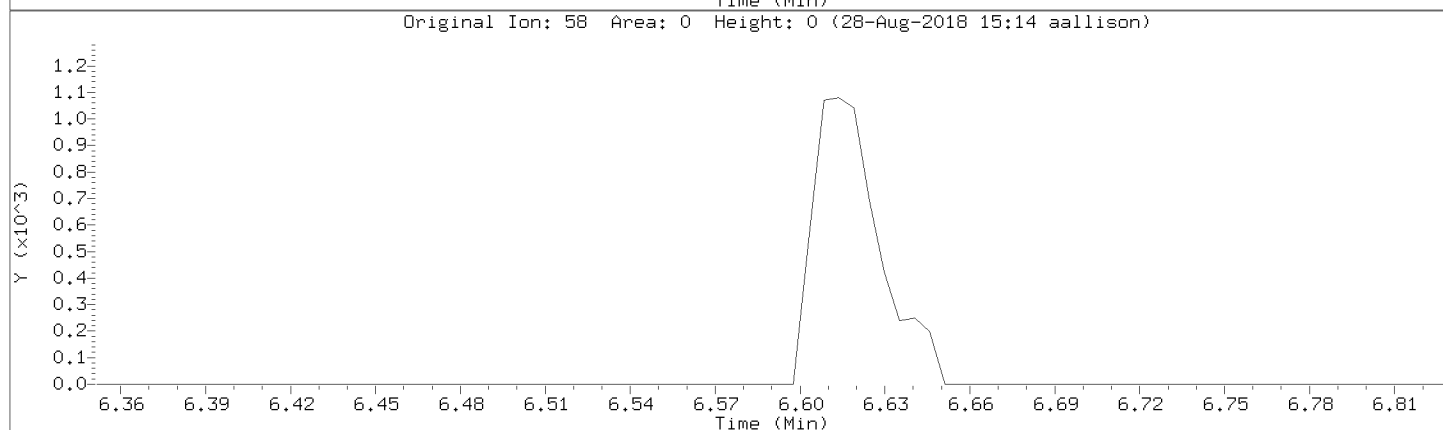
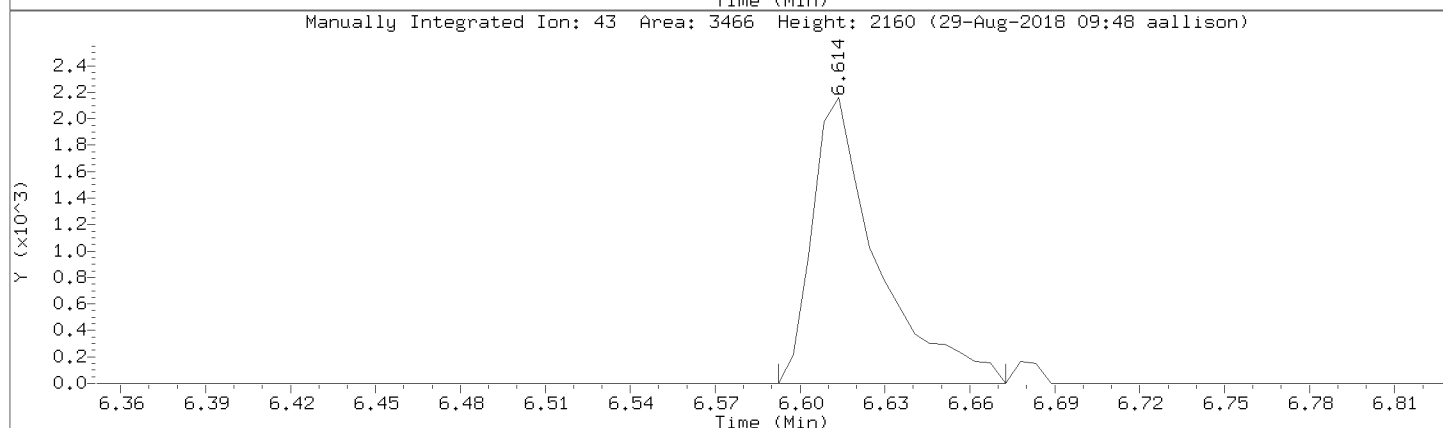
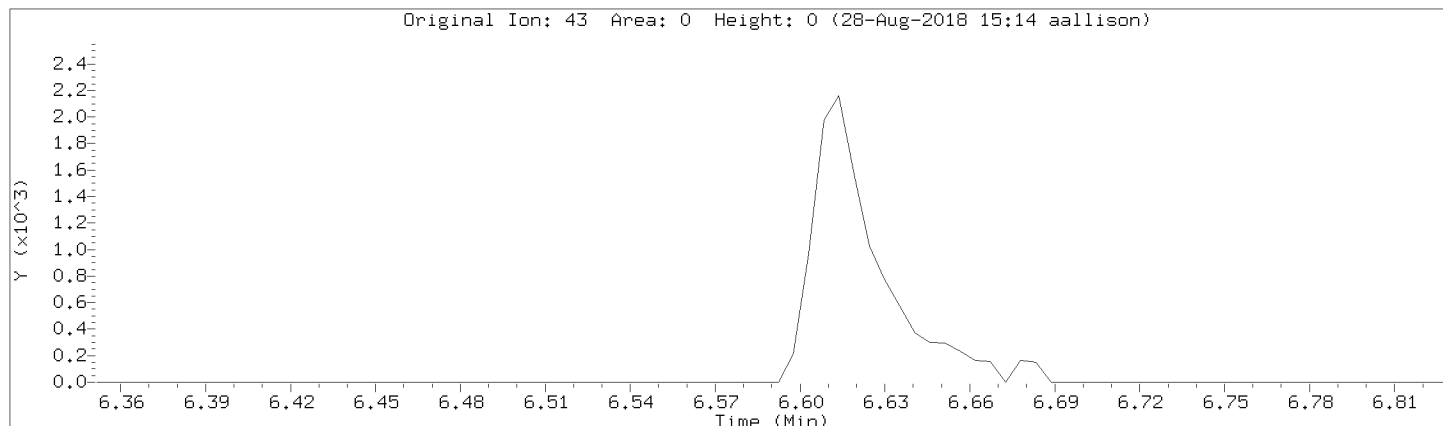
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Injection Date: 28-AUG-2018 14:59
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2

Compound: 2-Chloroethyl vinyl ether Review Code: NI
CAS Number: 110-75-8

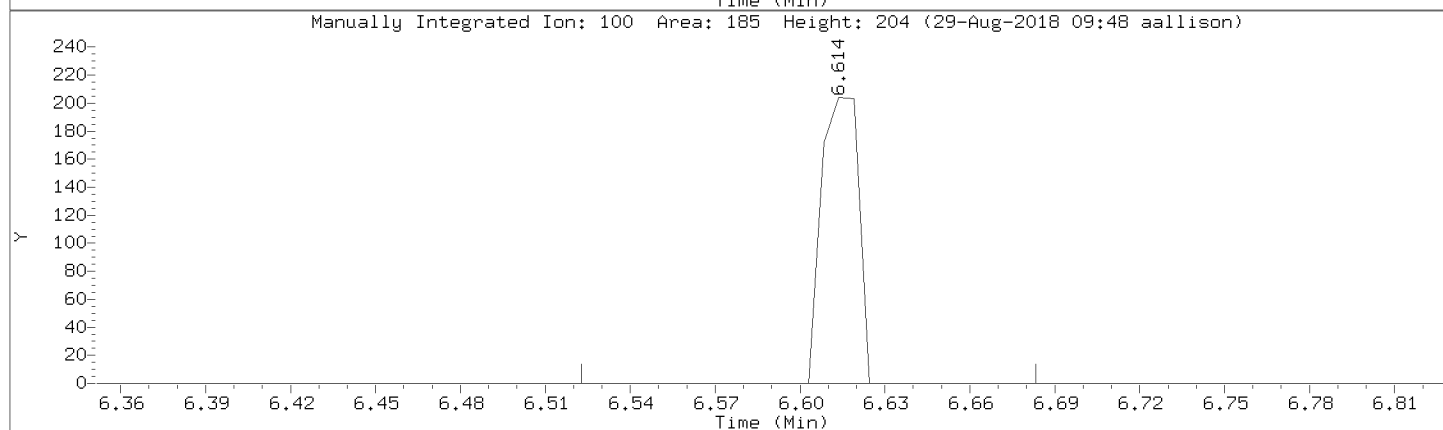
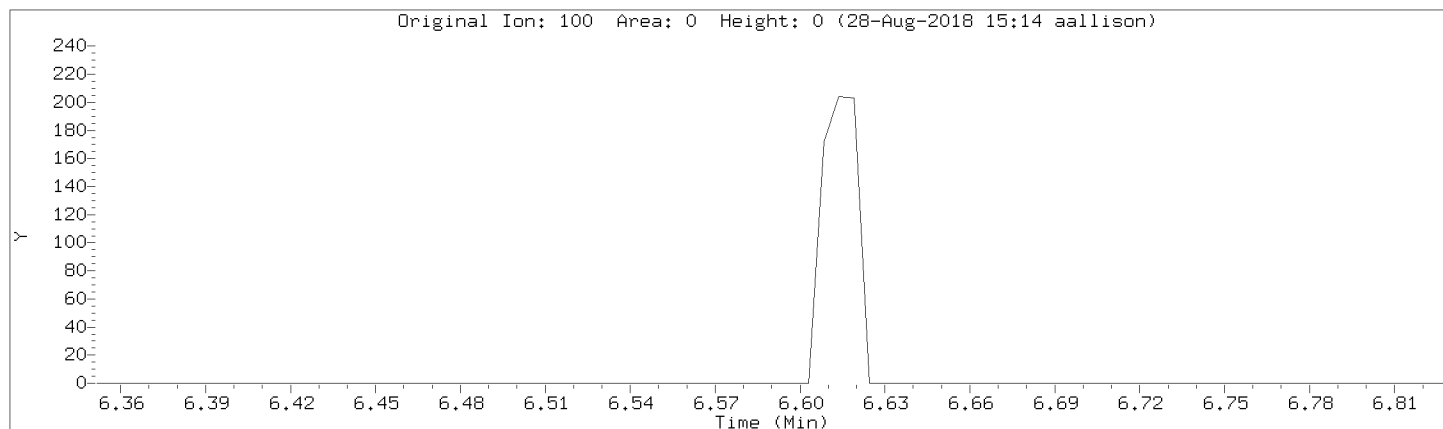


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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2

Compound: 2-Hexanone Review Code: NI
CAS Number: 591-78-6

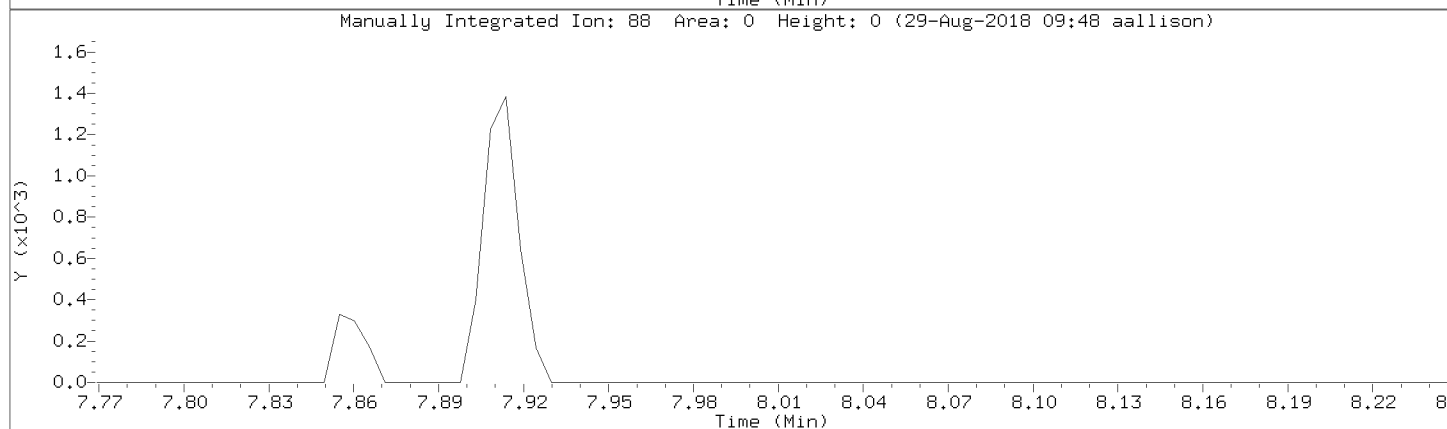
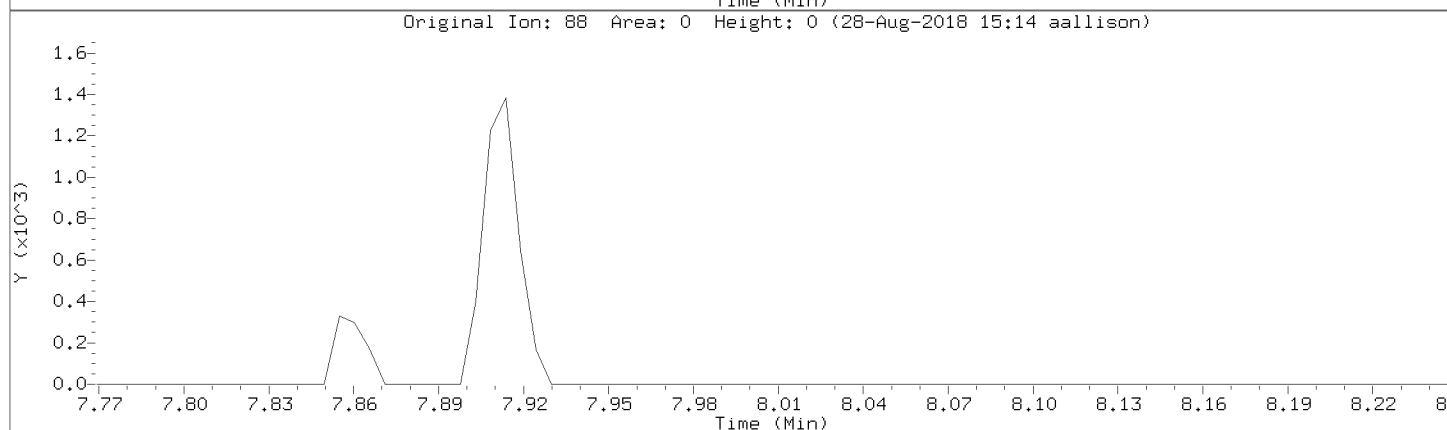
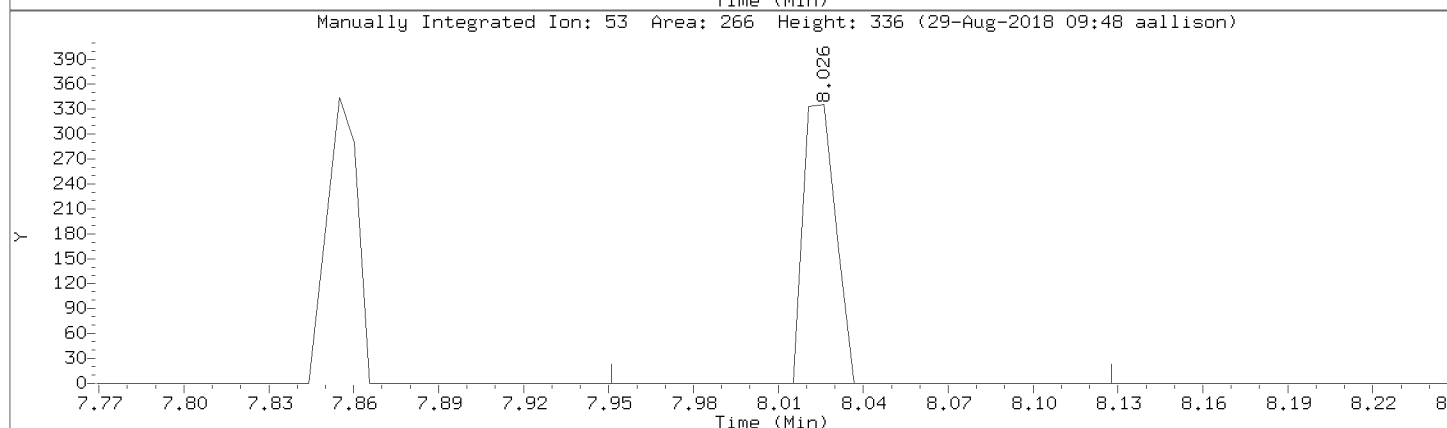
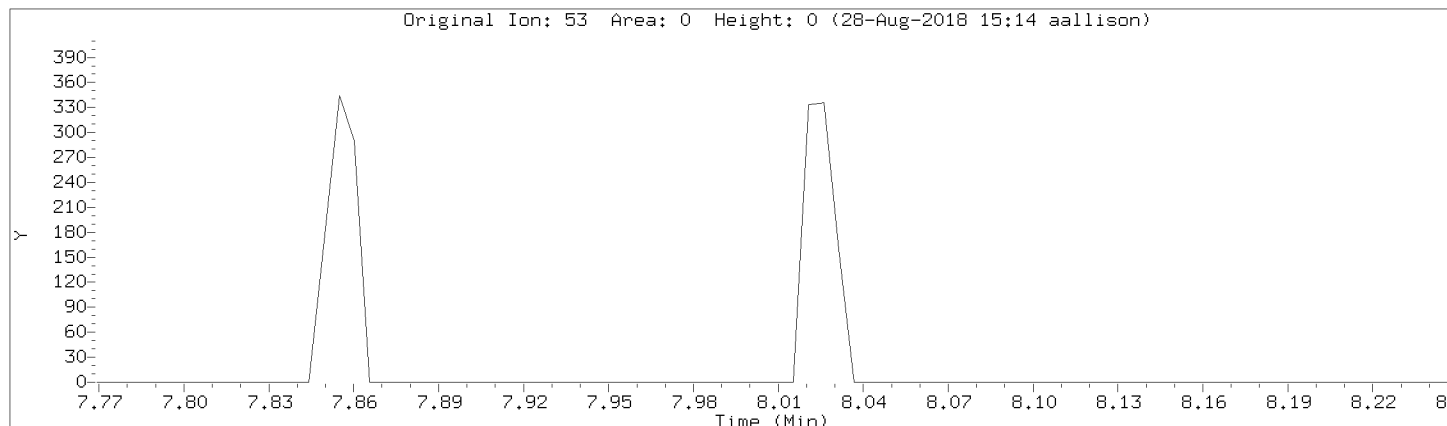


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Lab Sample ID: 8260-CAL2

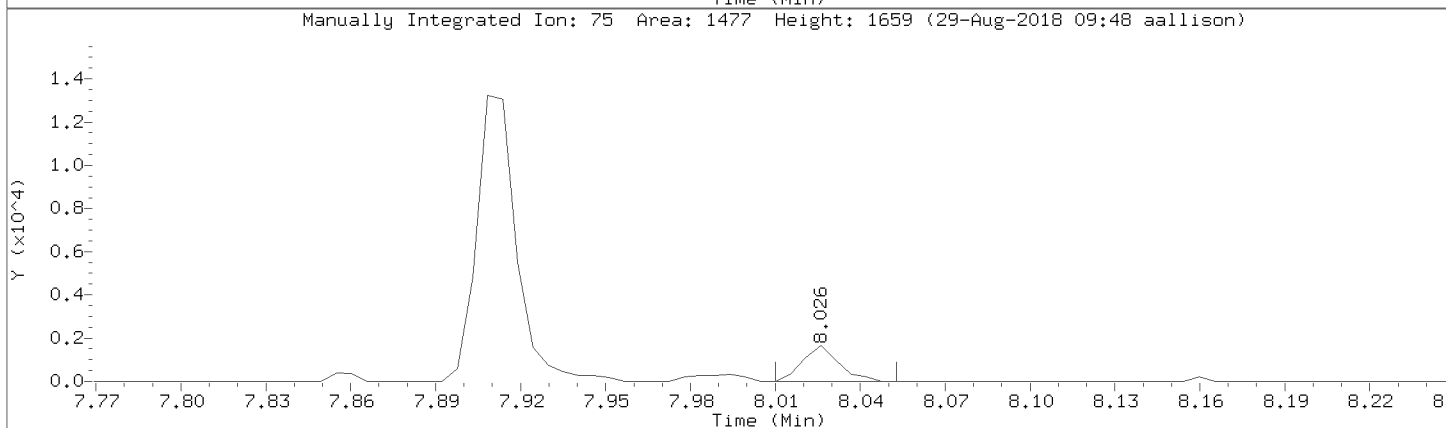
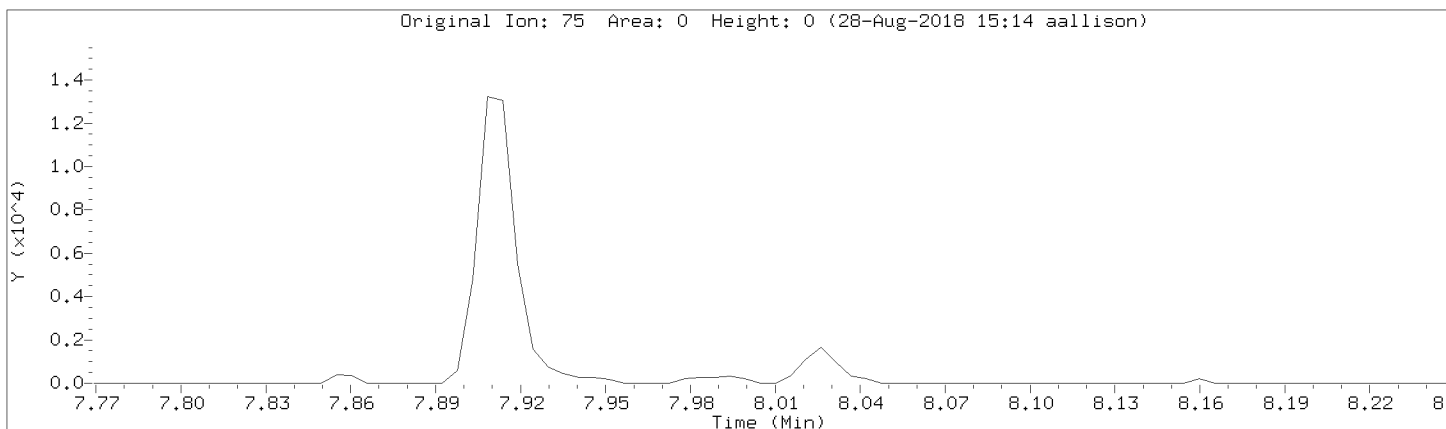


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Injection Date: 28-AUG-2018 14:59
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2

Compound: trans-1,4-Dichloro-2-butene Review Code: NI
CAS Number:

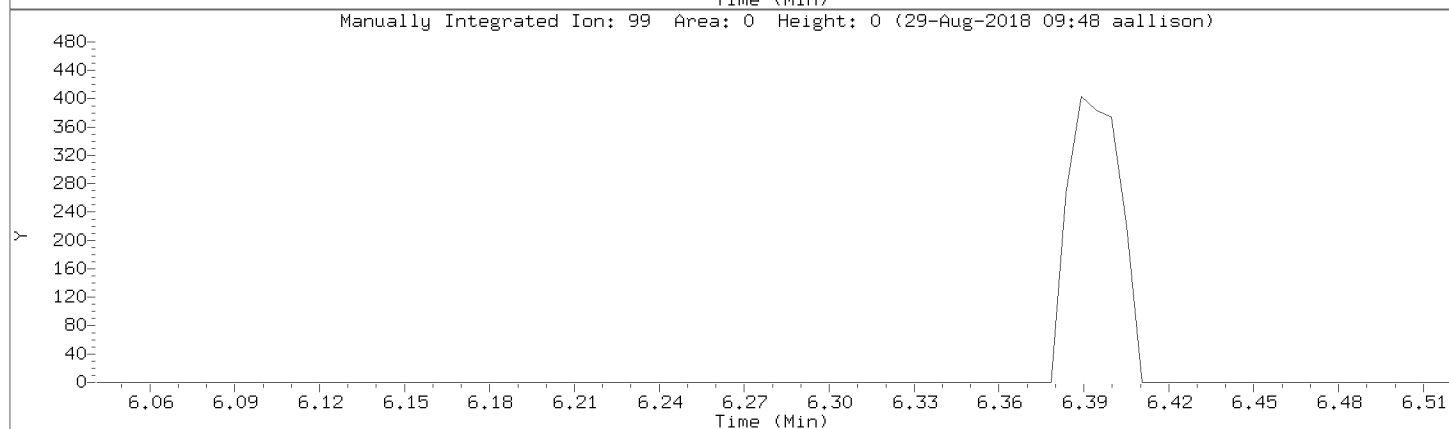
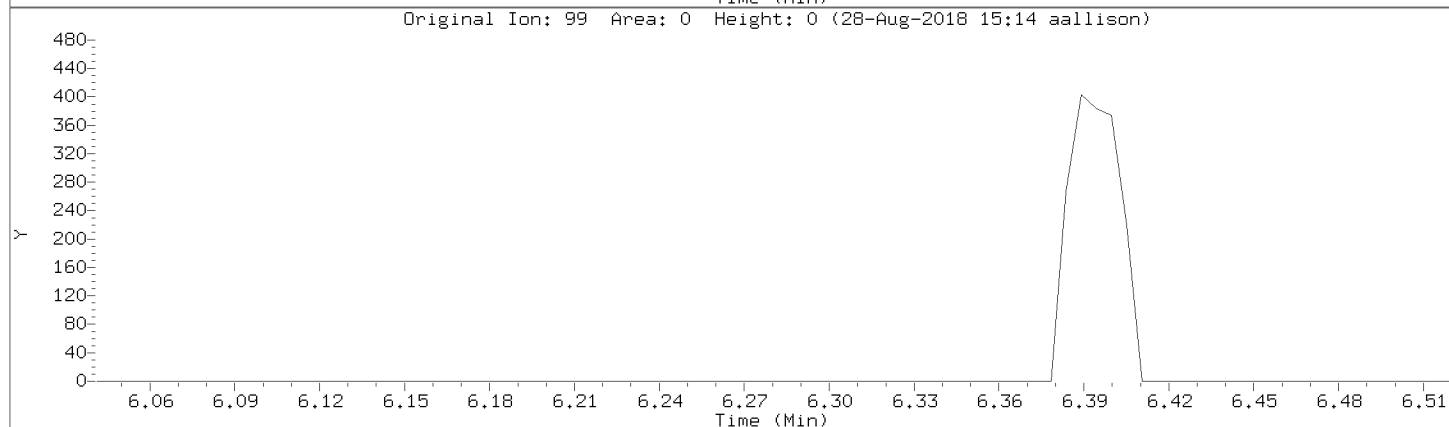
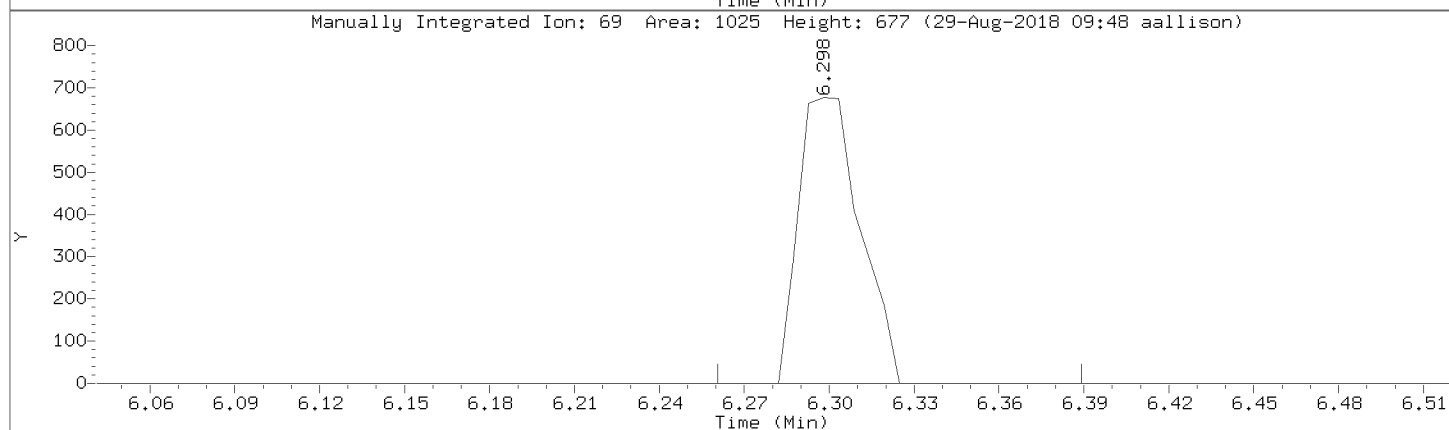
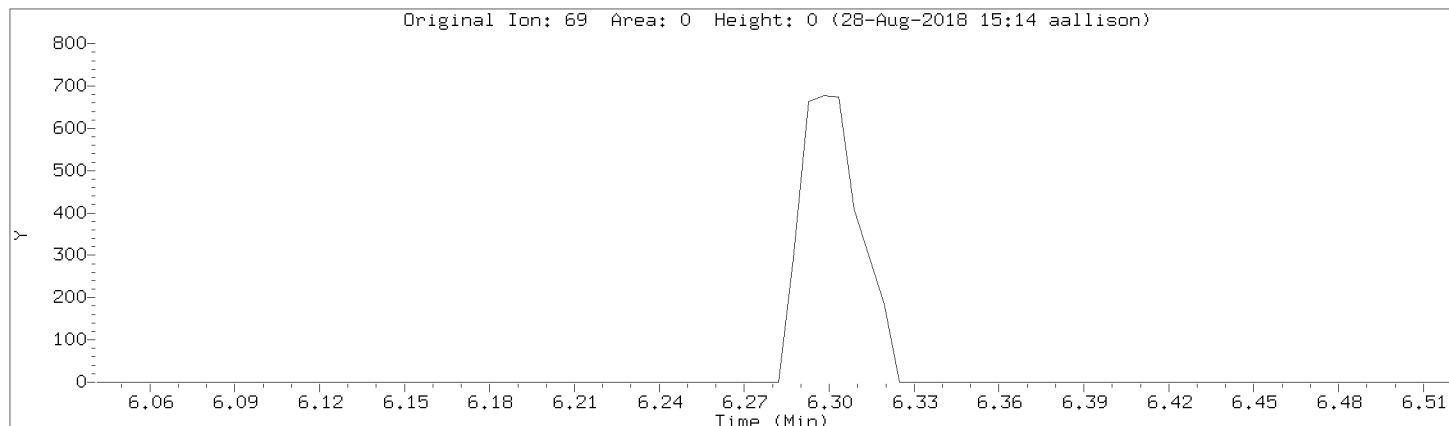


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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2

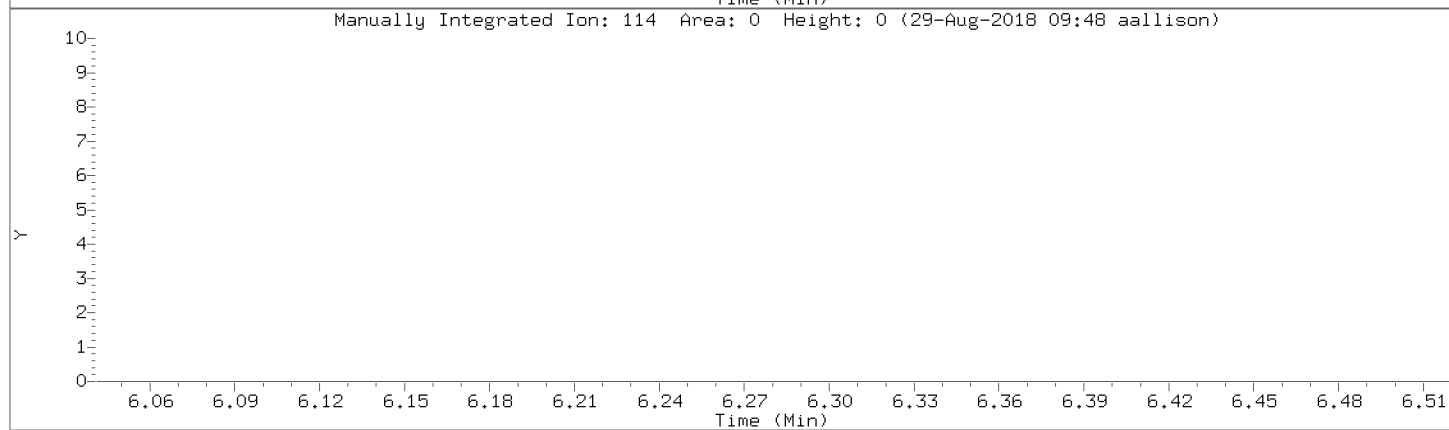
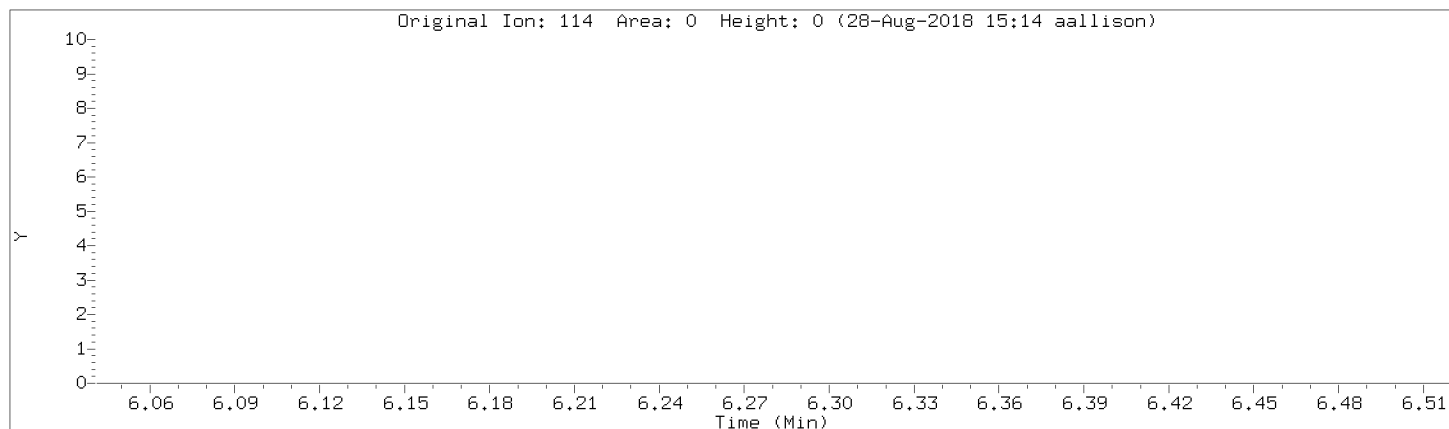


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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2

Compound: Ethyl Methacrylate Review Code: NI
CAS Number:

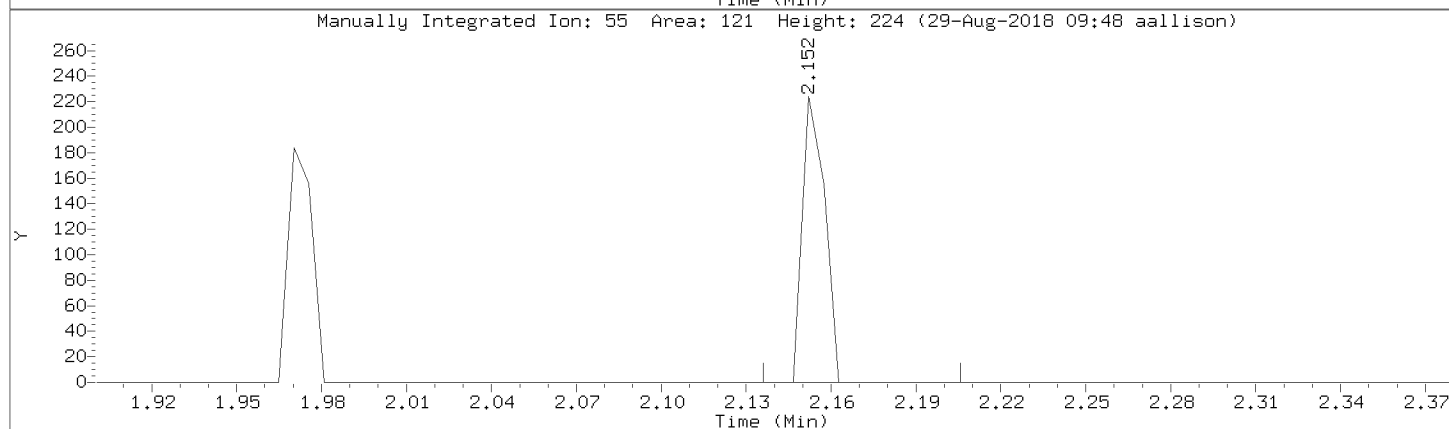
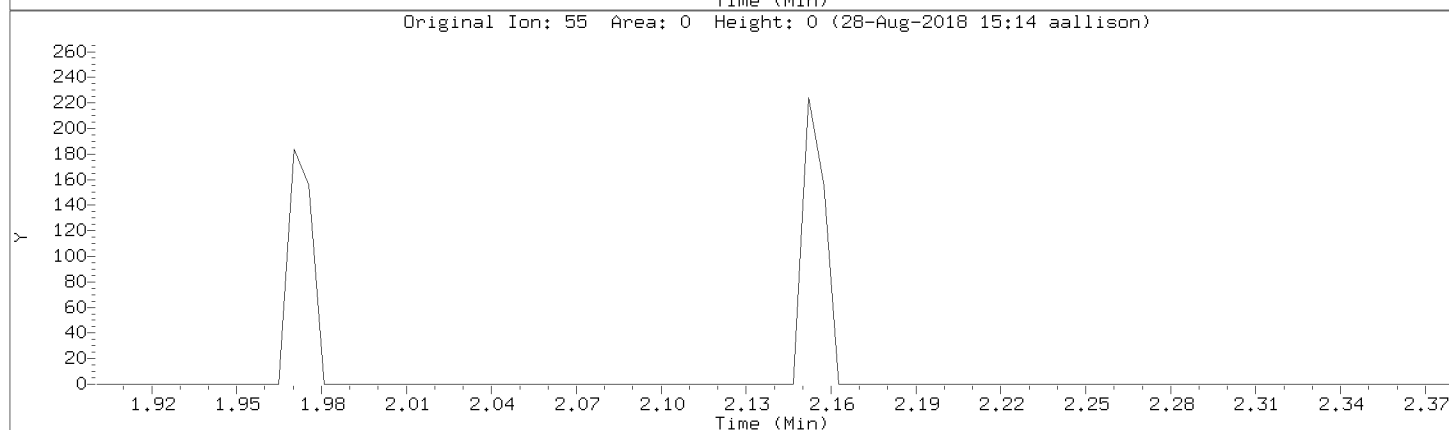
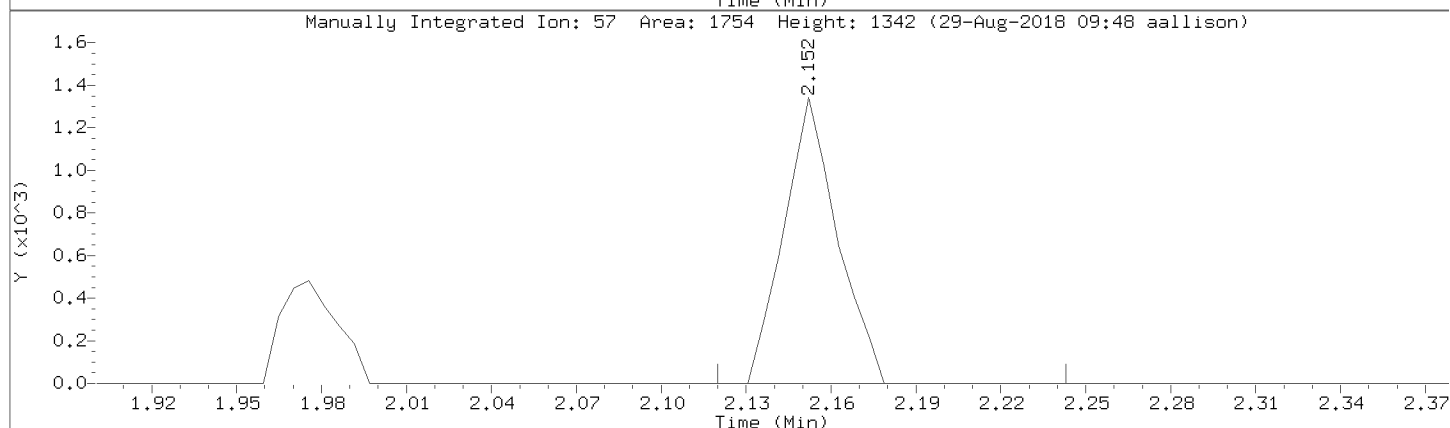
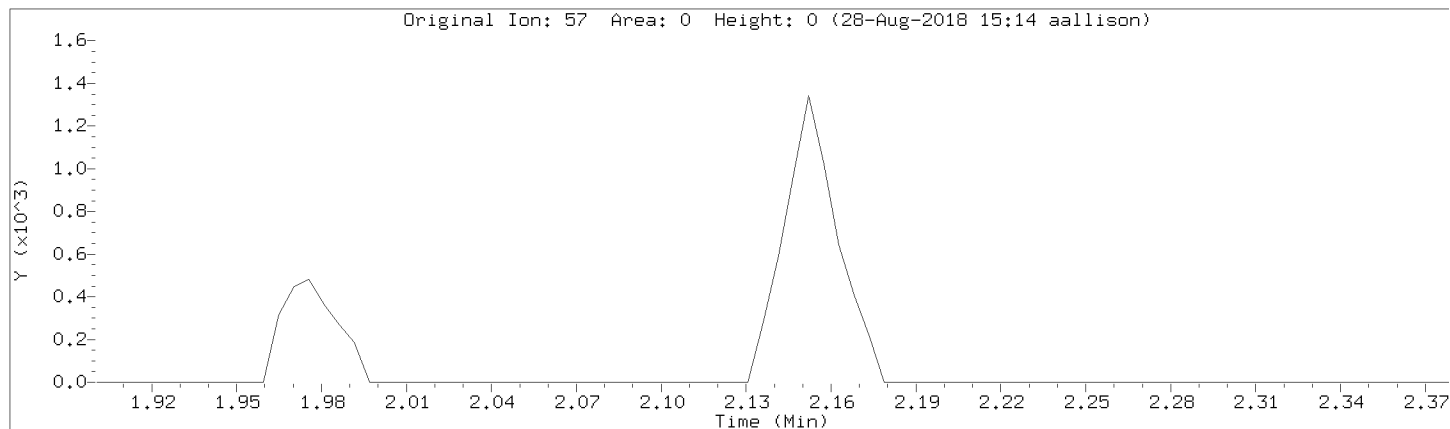


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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2



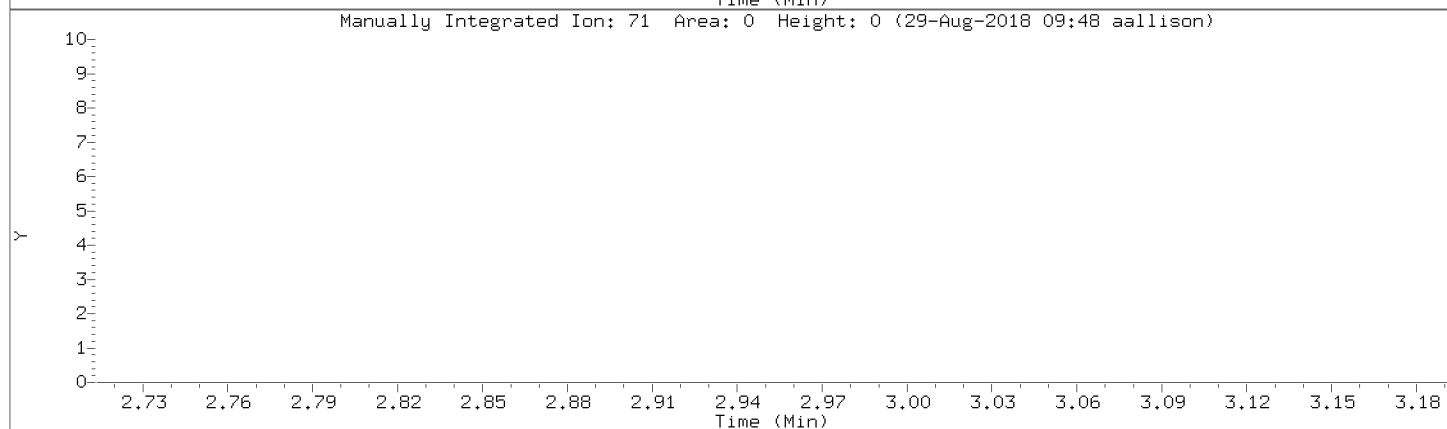
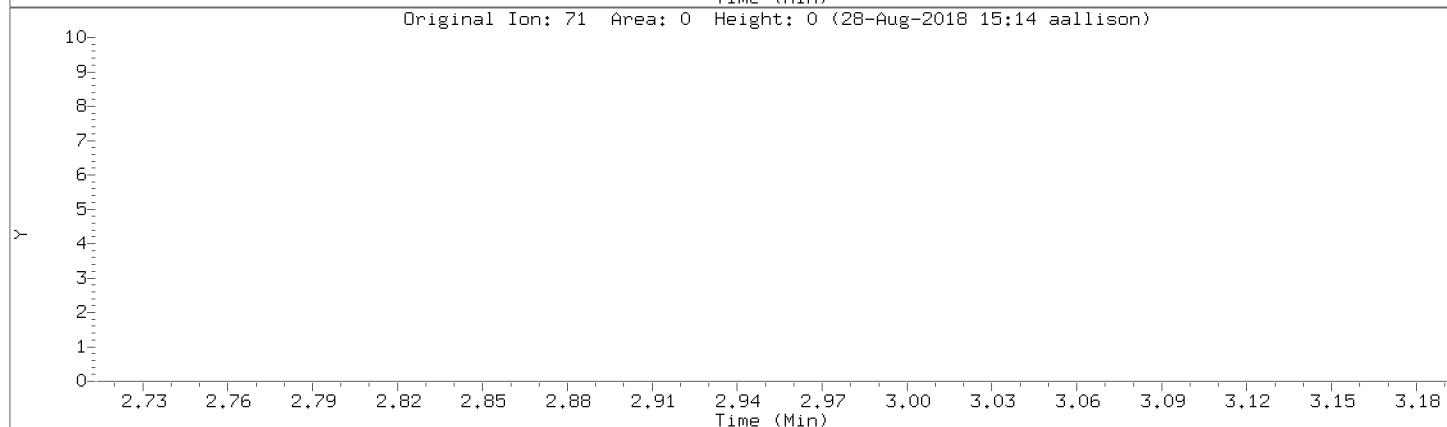
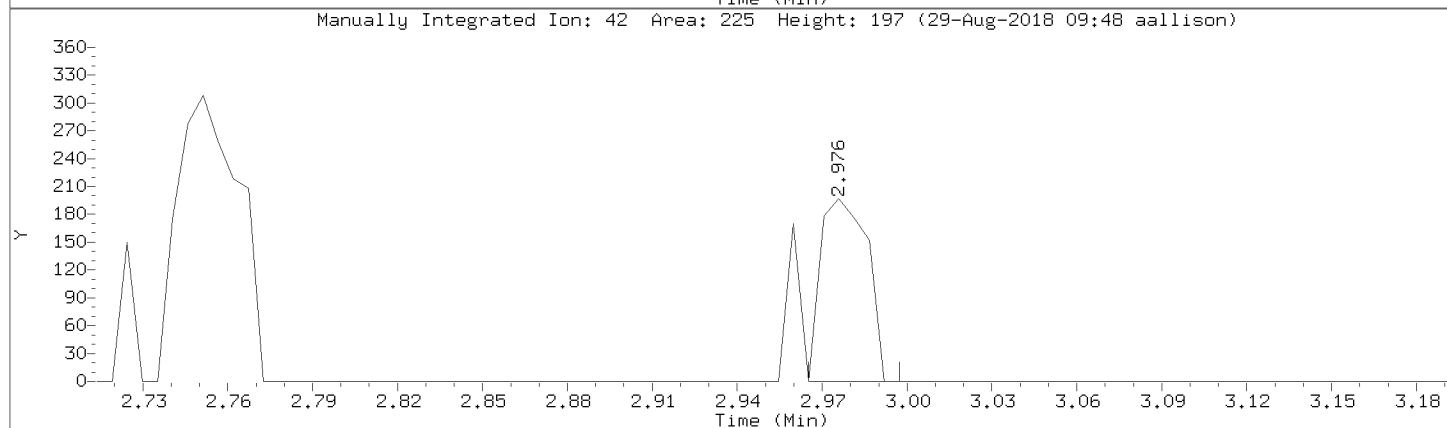
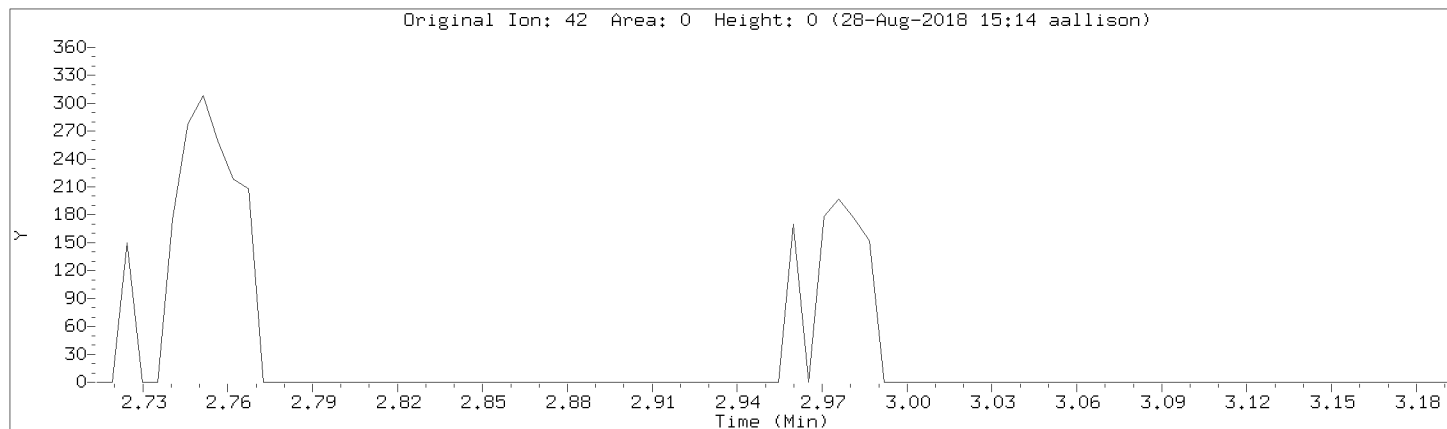
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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2

Compound: n-Hexane Review Code: NI
CAS Number:

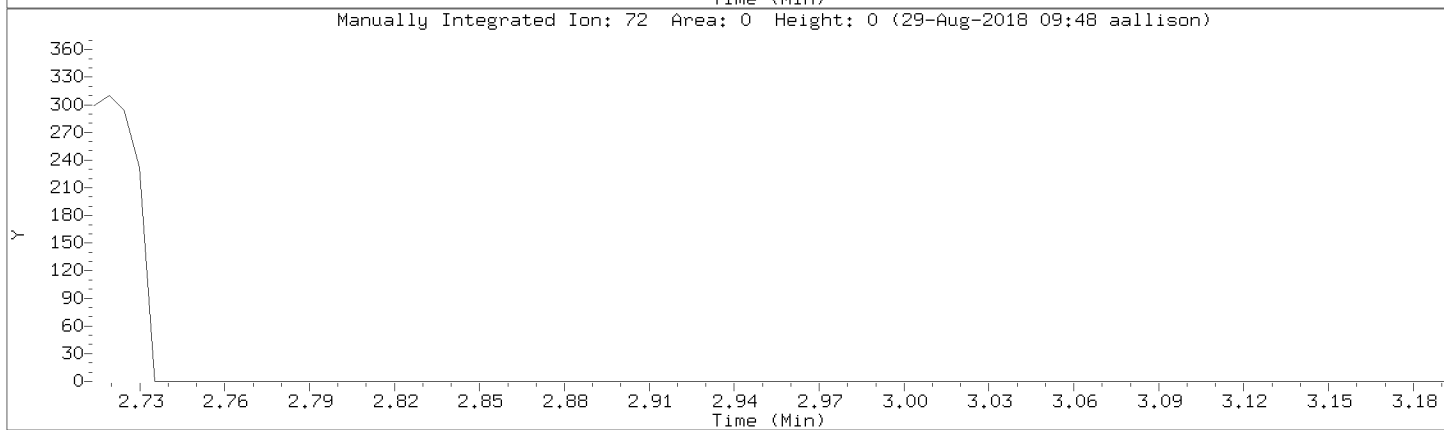
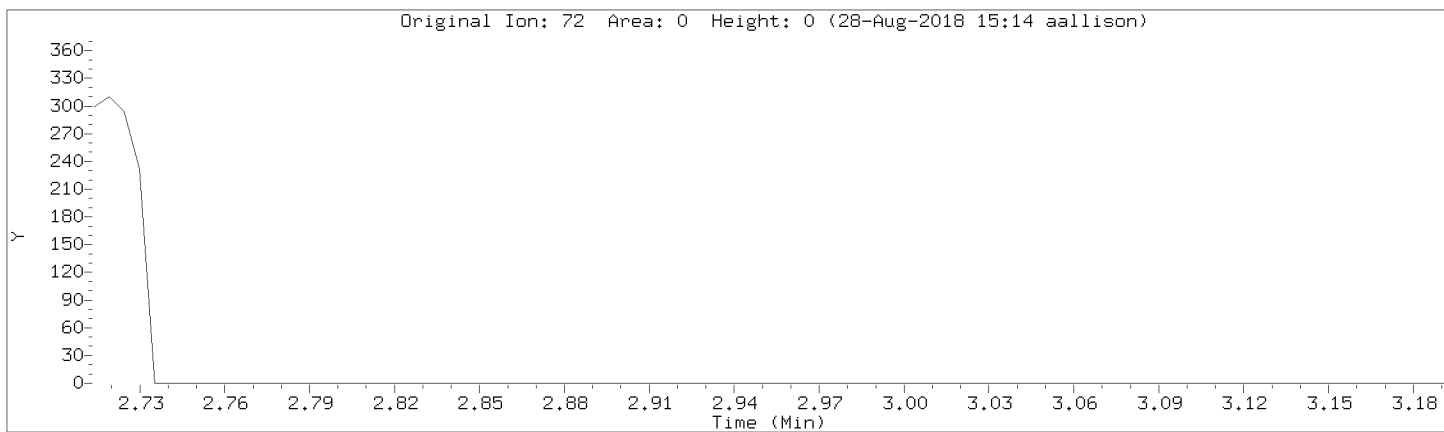


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Injection Date: 28-AUG-2018 14:59
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2

Compound: Tetrahydrofuran Review Code: NI
CAS Number:



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a02.d
Injection Date: 28-AUG-2018 14:59
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a02.d

Injection Date: 28-AUG-2018 14:59

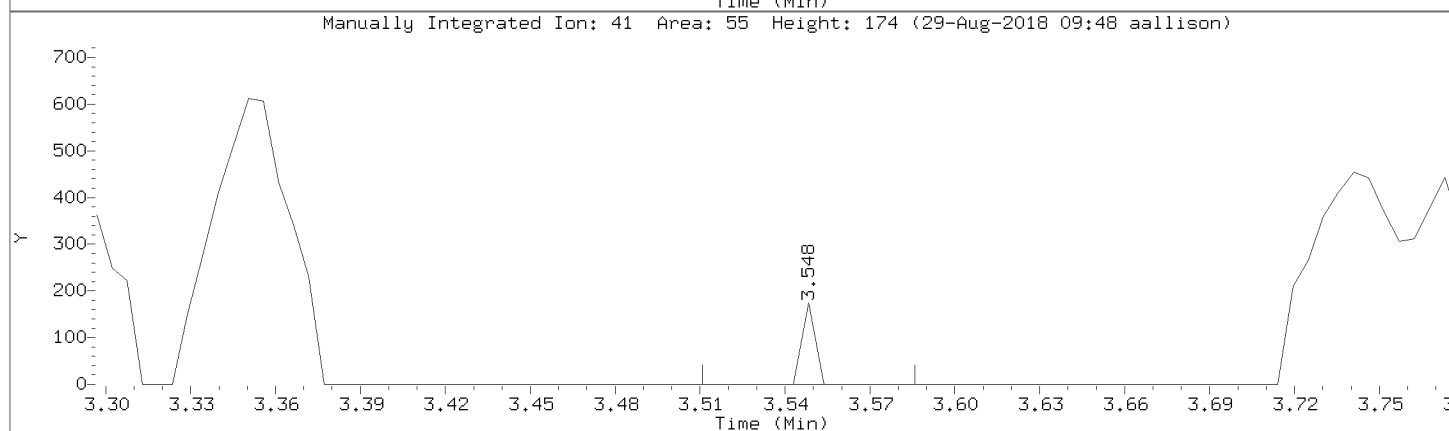
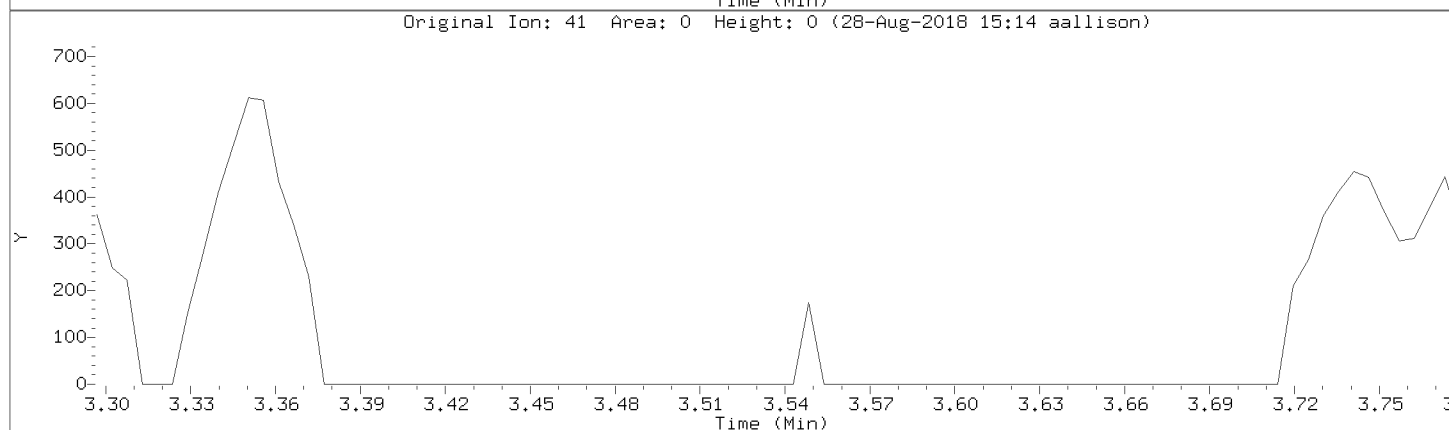
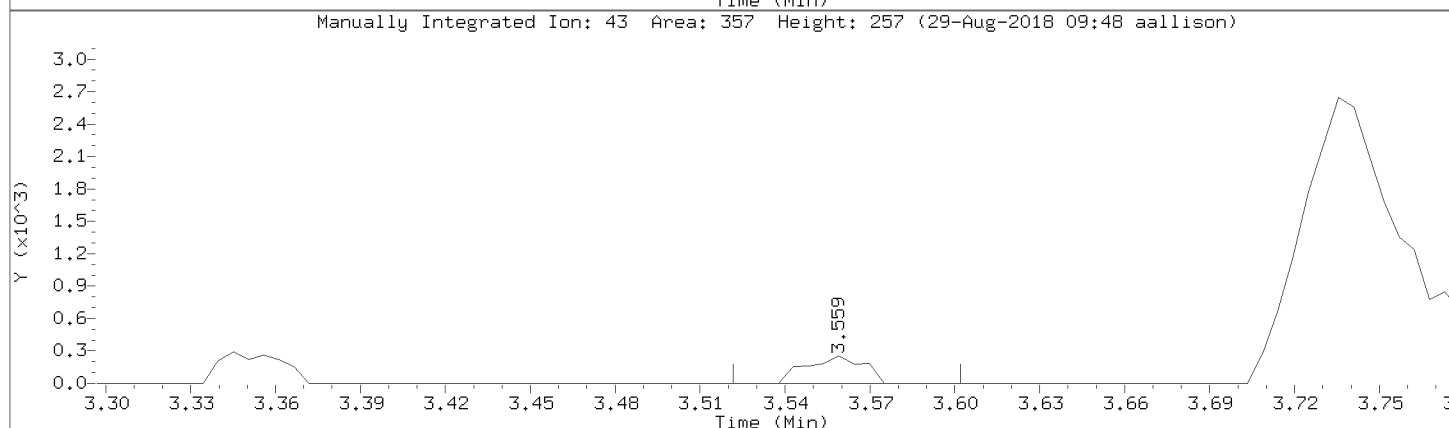
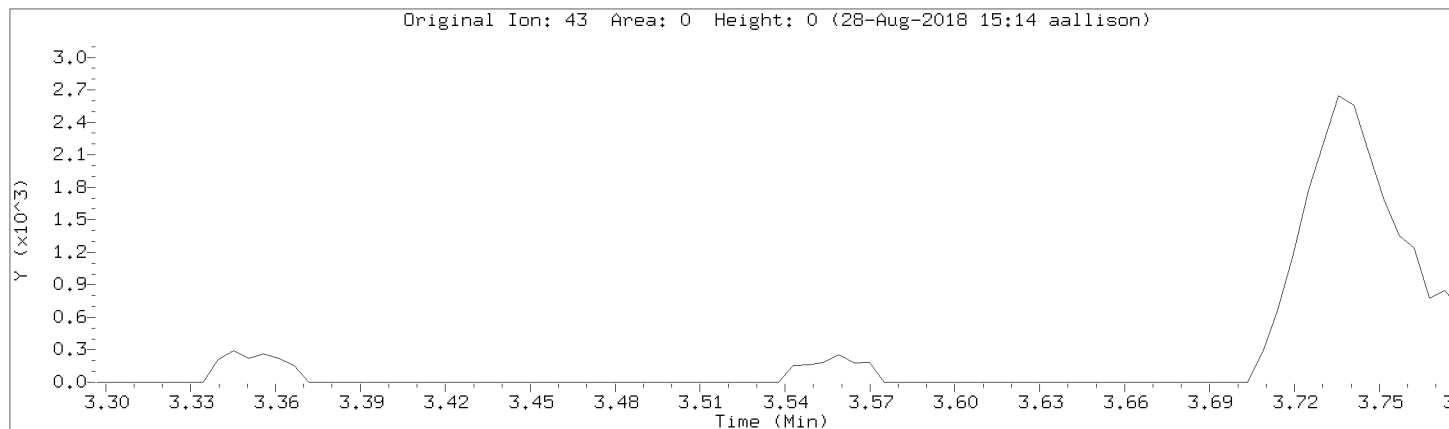
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL2

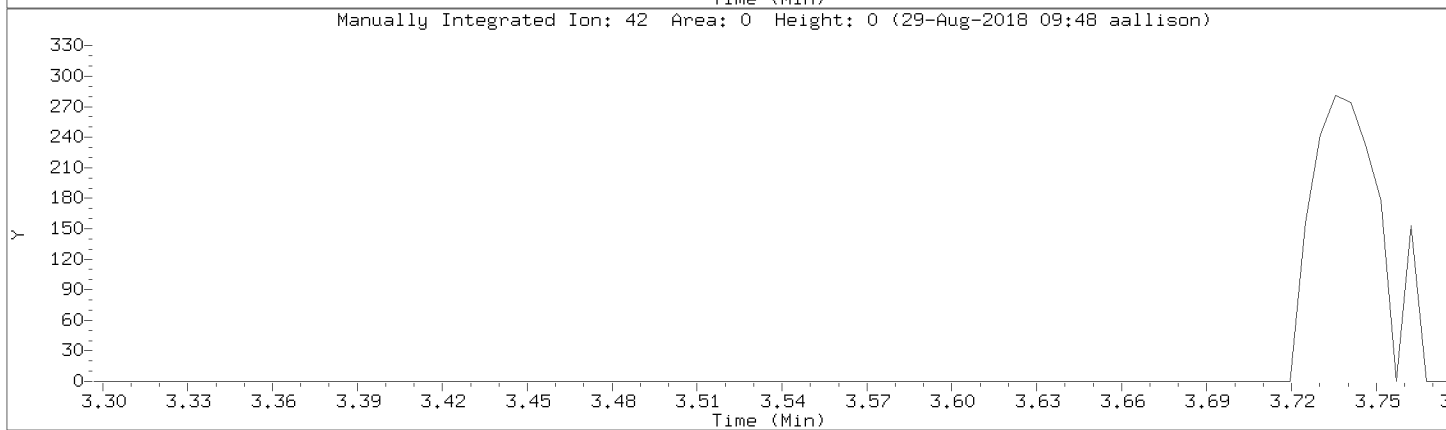
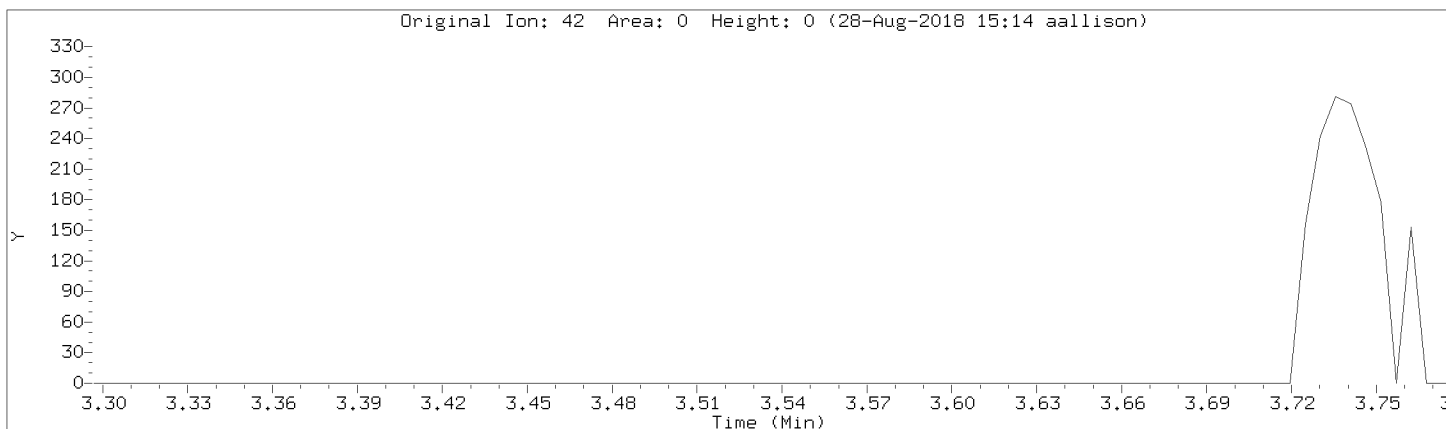
Compound: Isobutyl alcohol

Review Code: NI

CAS Number: 78-83-1

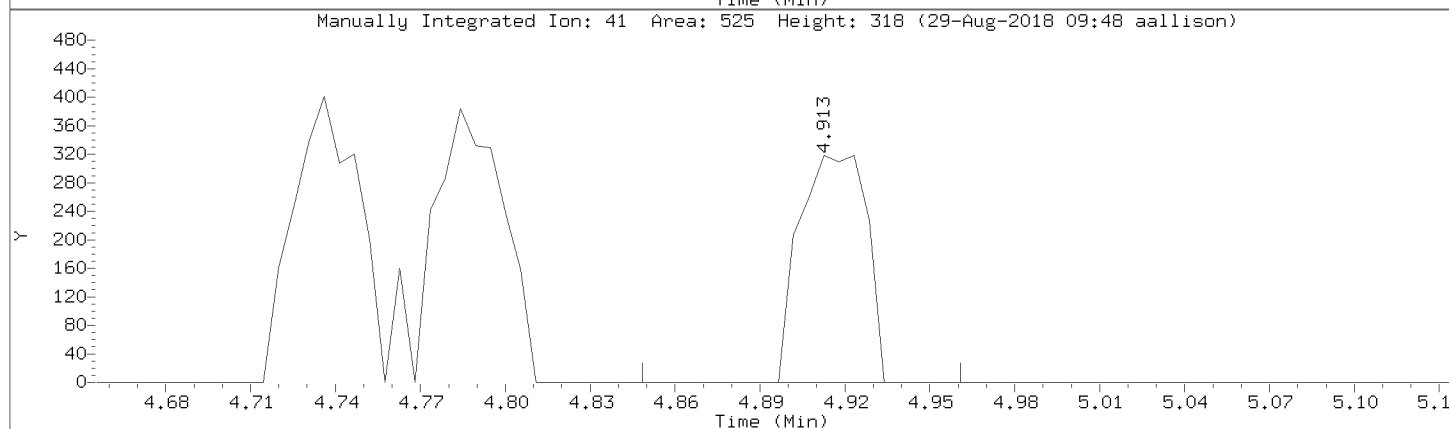
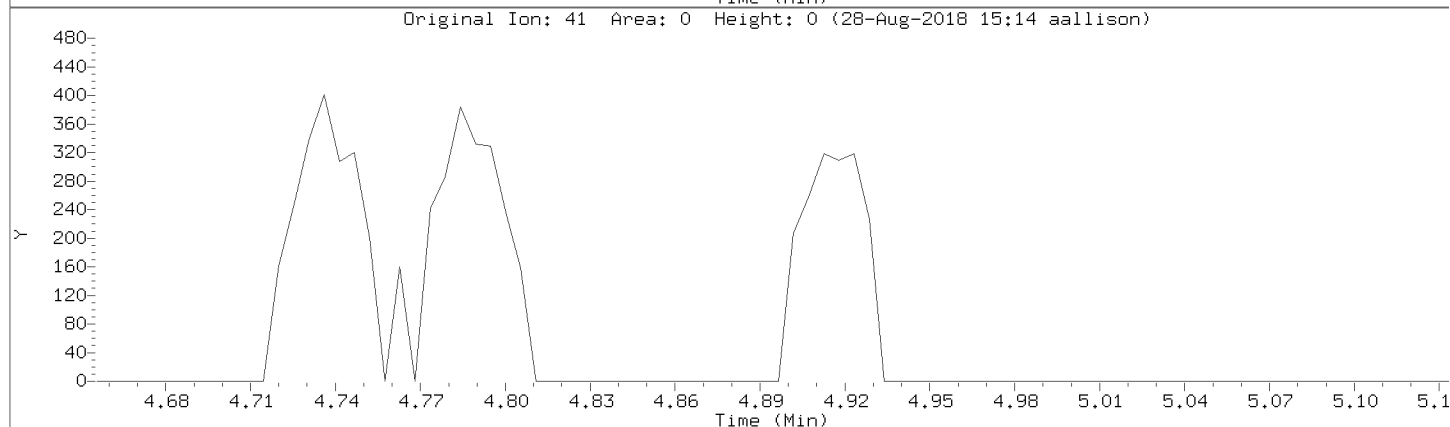
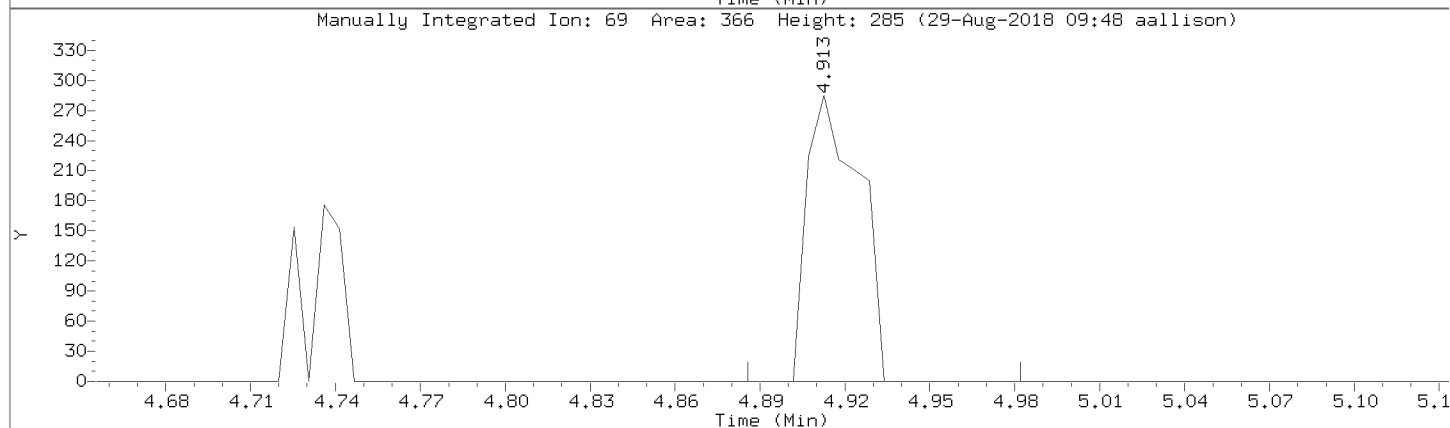
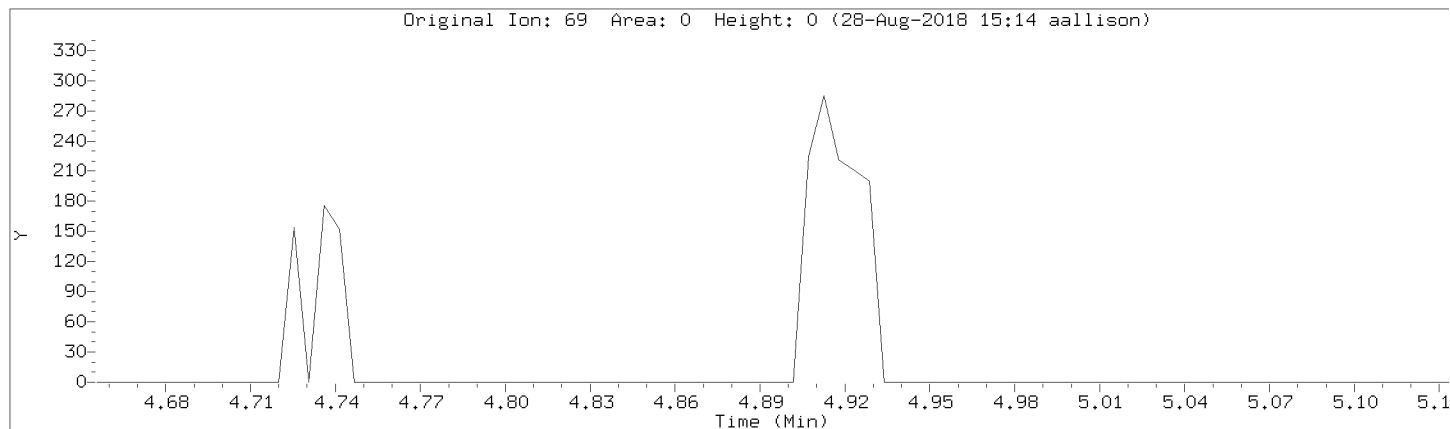


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Injection Date: 28-AUG-2018 14:59
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 28-AUG-2018 14:59
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2

Compound: Methyl methacrylate Review Code: NI
CAS Number: 80-62-6

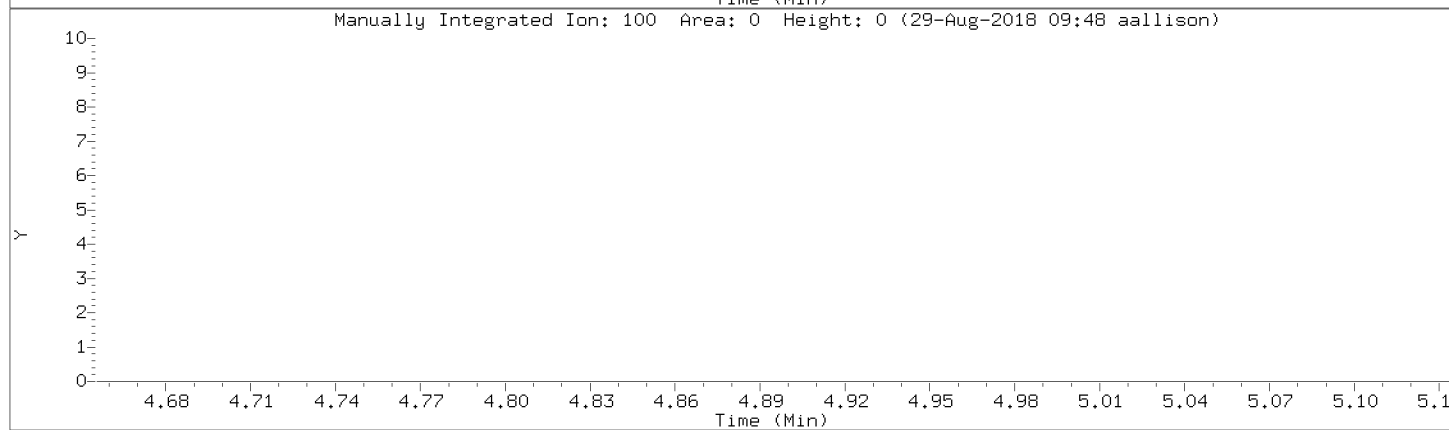
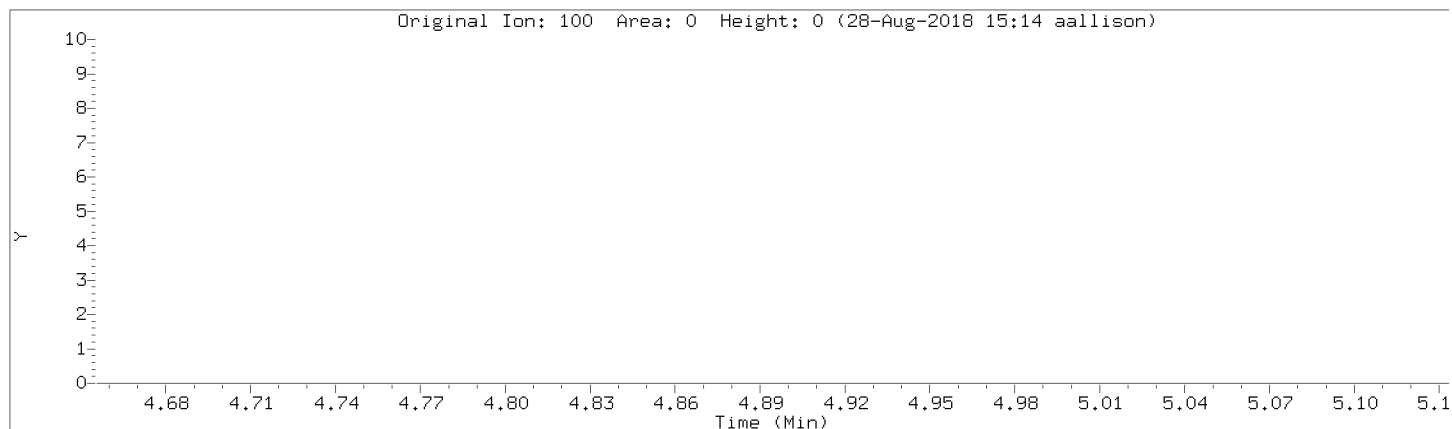


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Injection Date: 28-AUG-2018 14:59

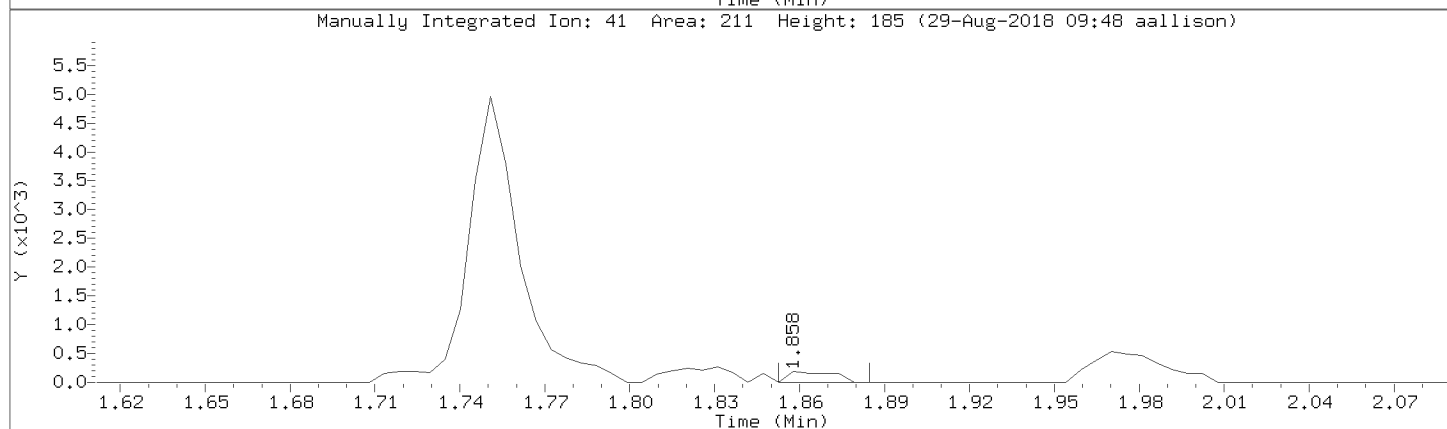
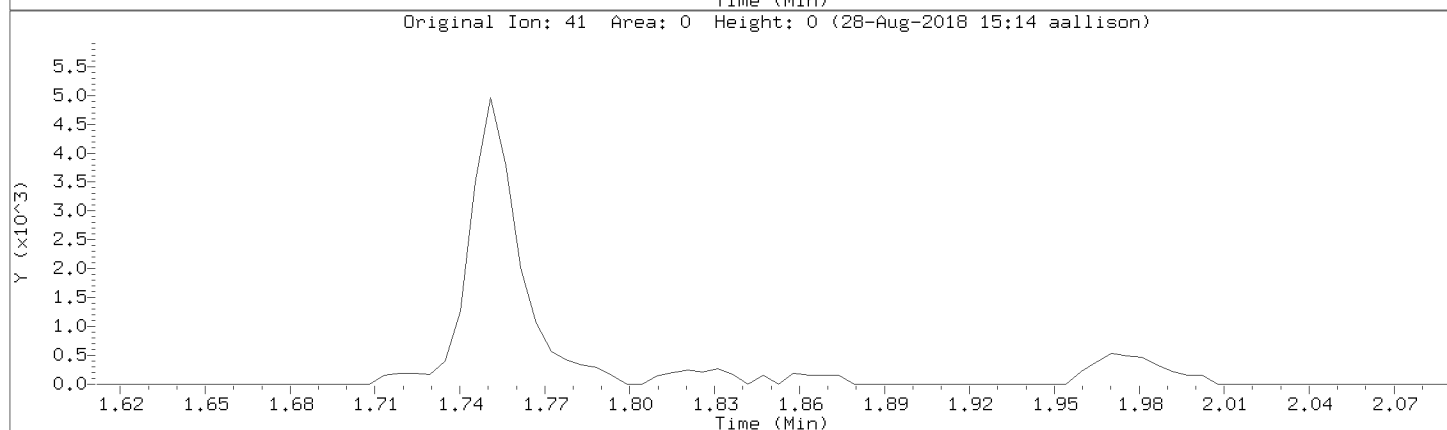
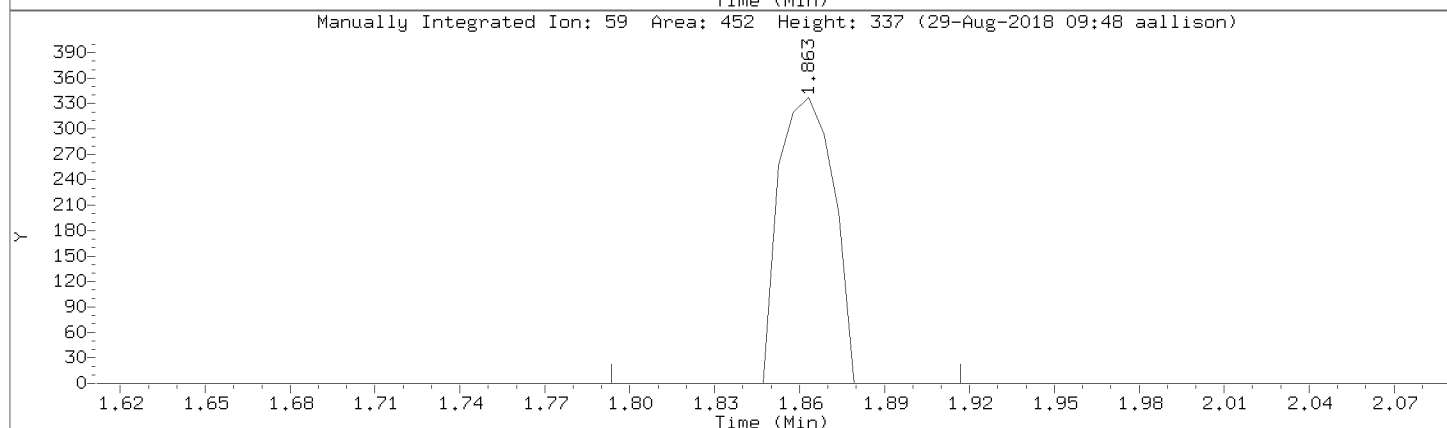
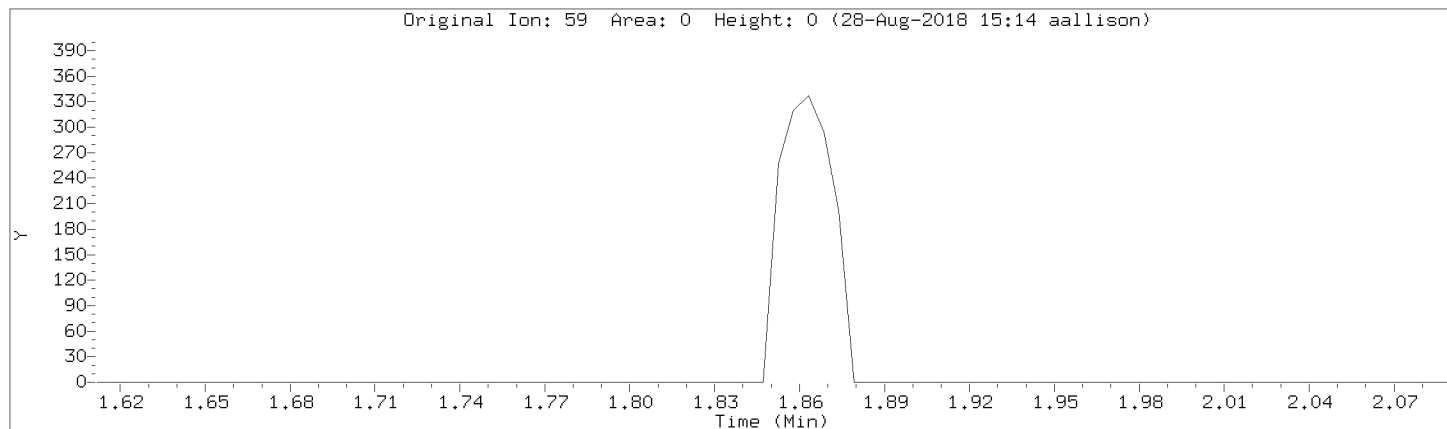
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL2



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a02.d
Injection Date: 28-AUG-2018 14:59
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2

Compound: tert-Butyl Alcohol Review Code: NI
CAS Number: 75-65-0



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a02.d

Injection Date: 28-AUG-2018 14:59

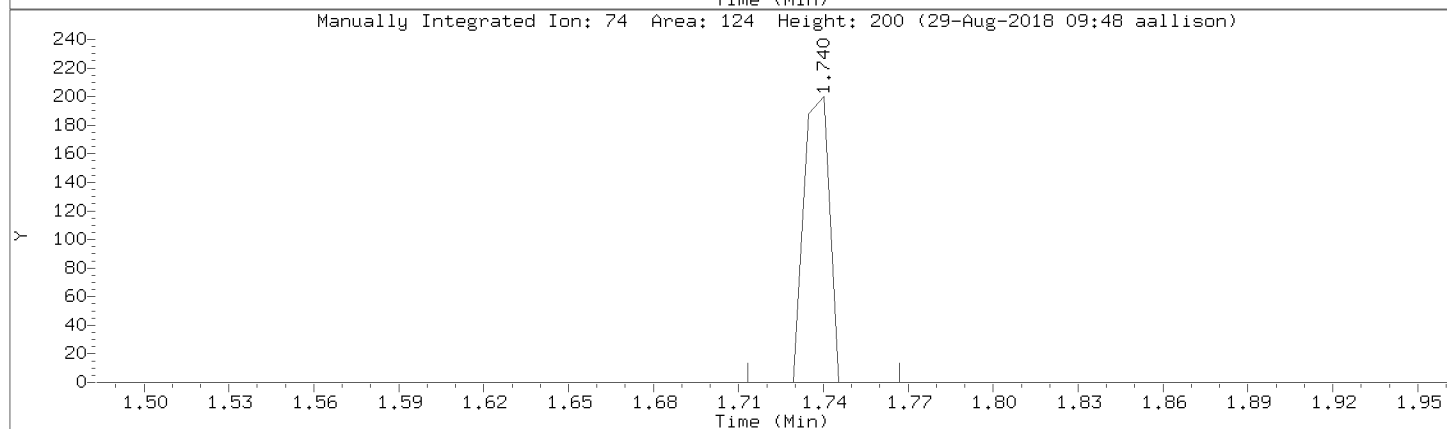
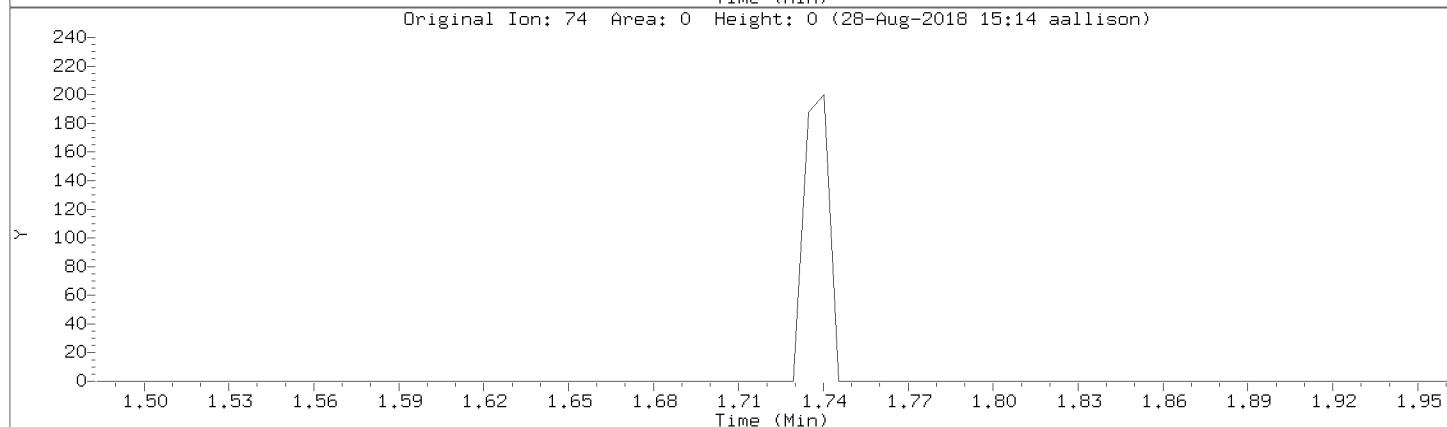
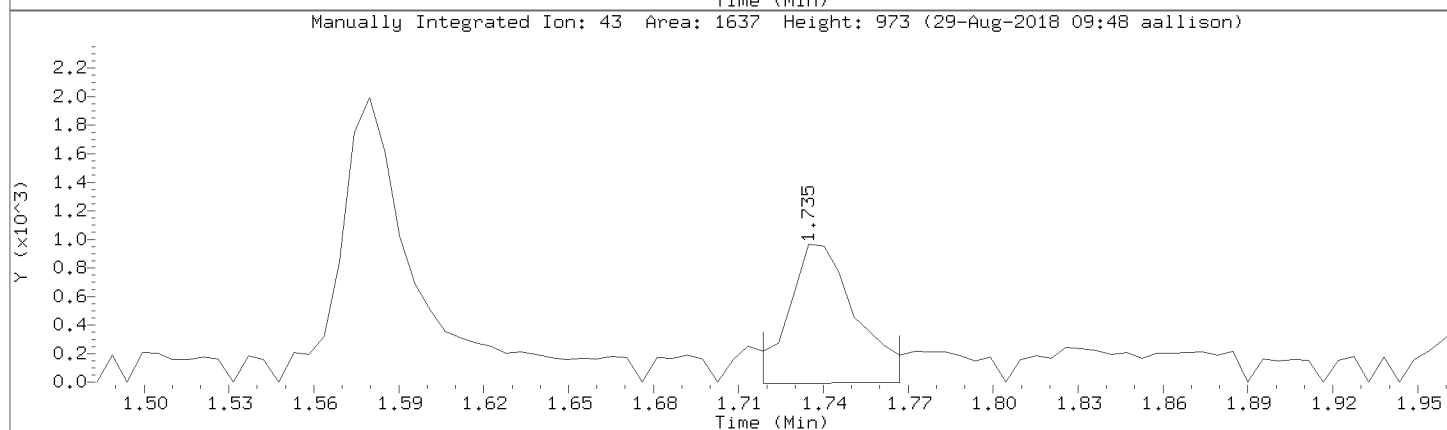
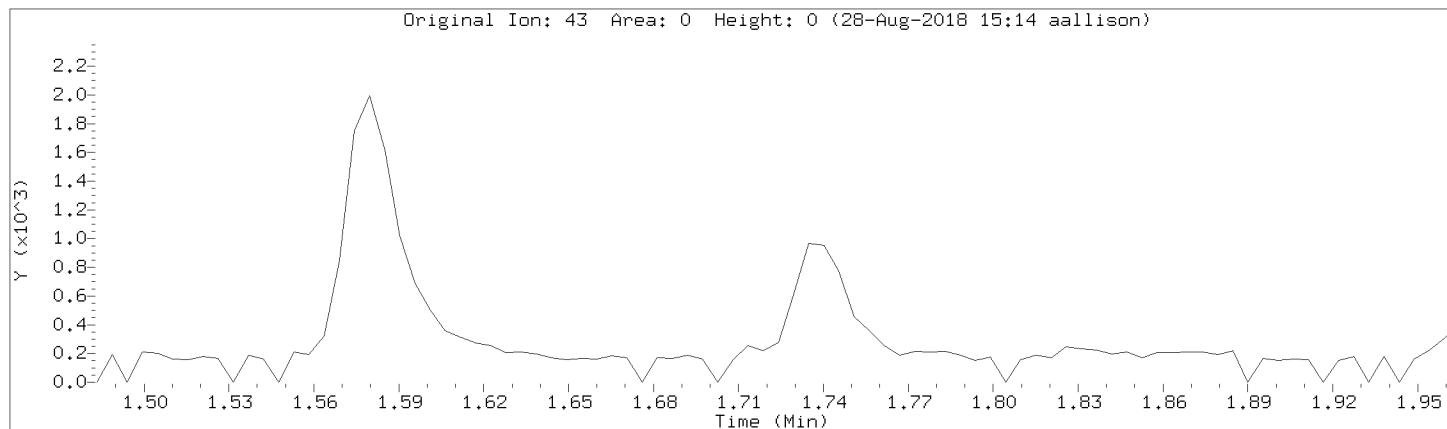
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL2

Compound: Methyl Acetate

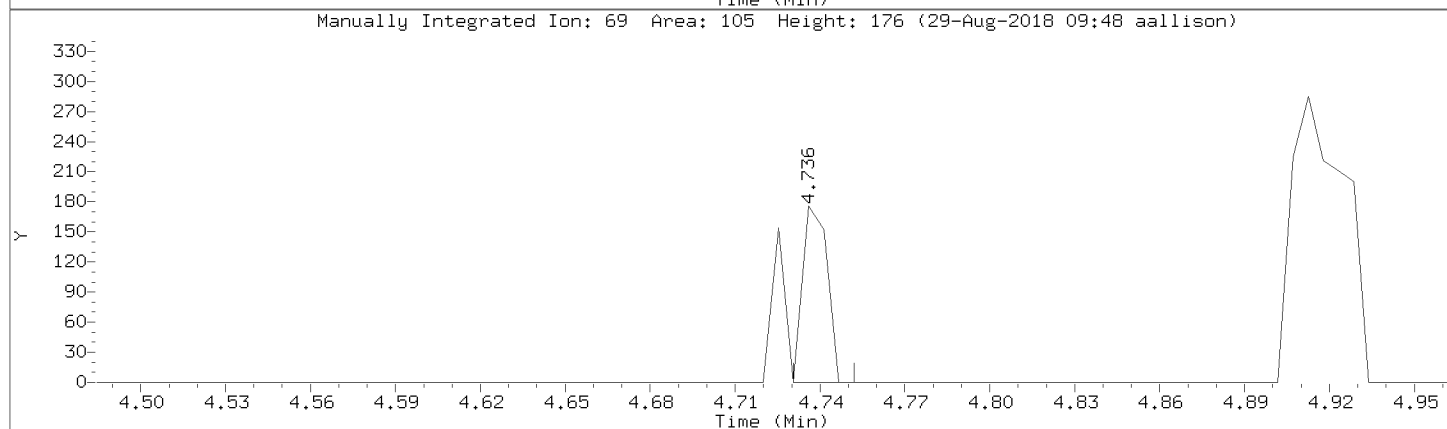
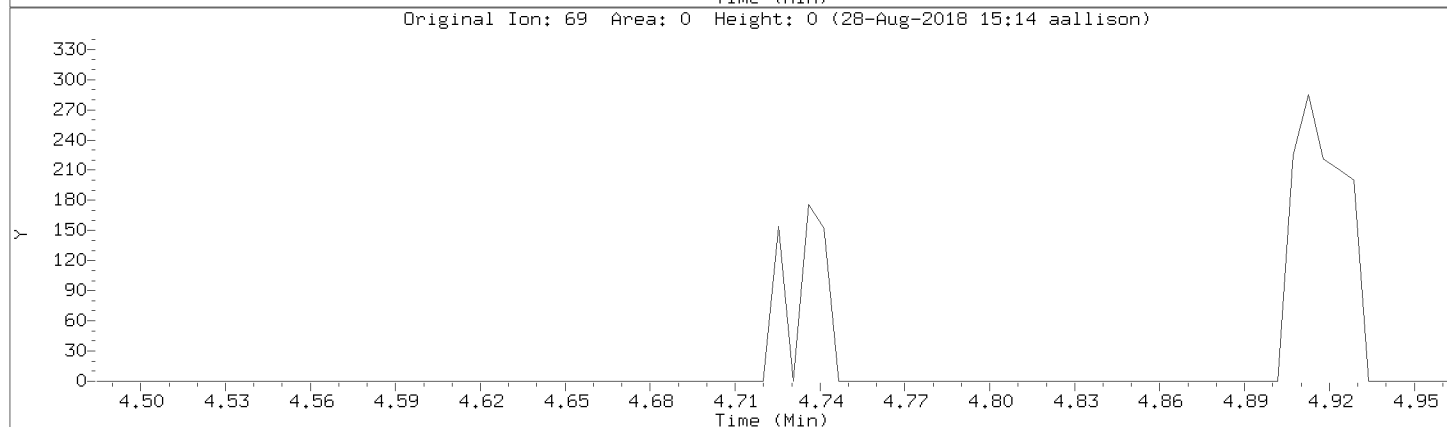
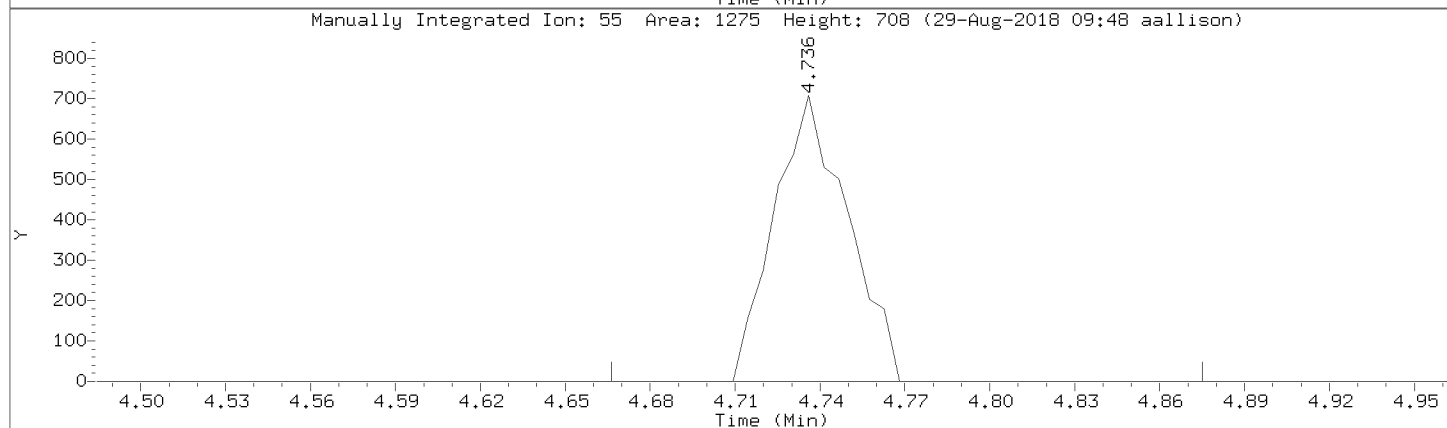
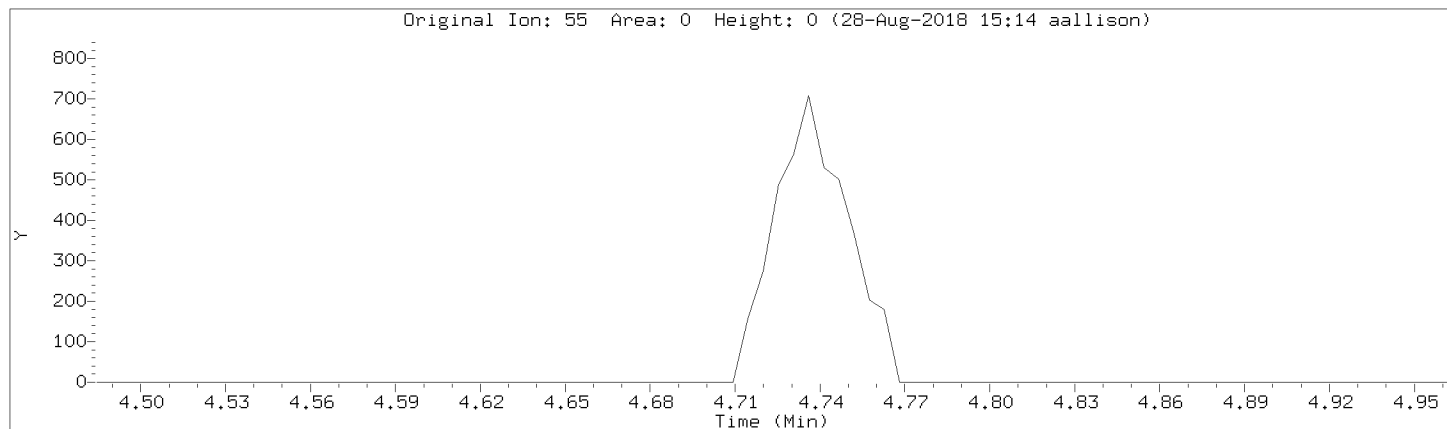
Review Code: NI

CAS Number: 79-20-9

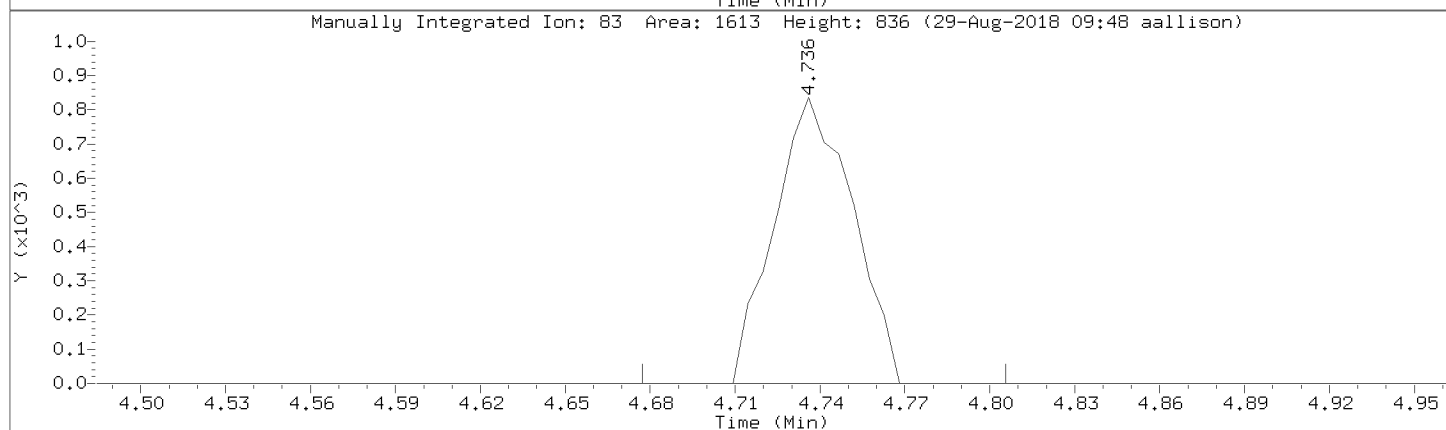
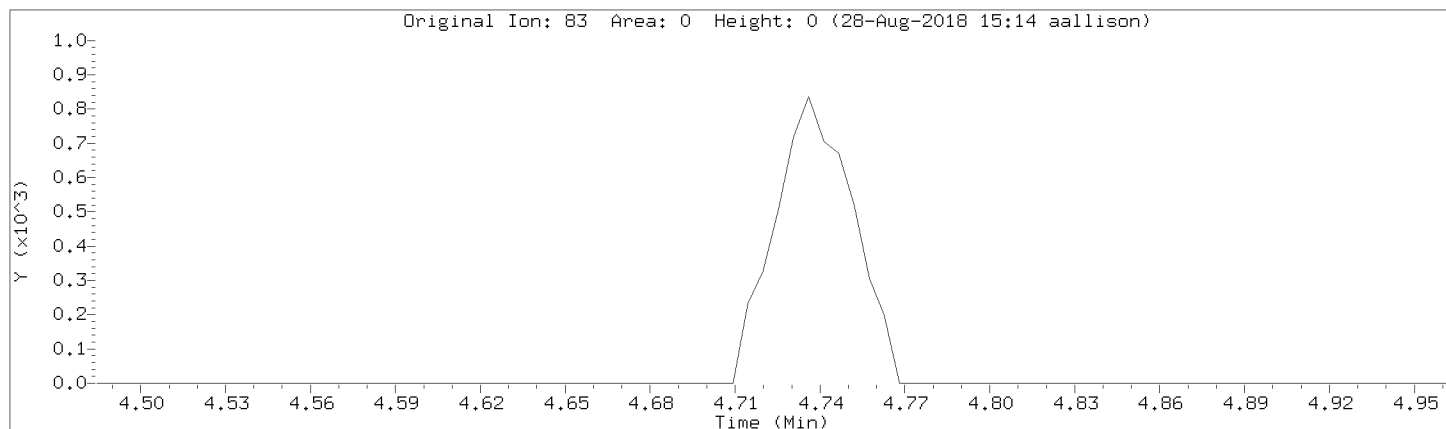


Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a02.d
Injection Date: 28-AUG-2018 14:59
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2

Compound: Methylcyclohexane Review Code: NI
CAS Number: 108-87-2



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a02.d
Injection Date: 28-AUG-2018 14:59
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 28-AUG-2018 14:59

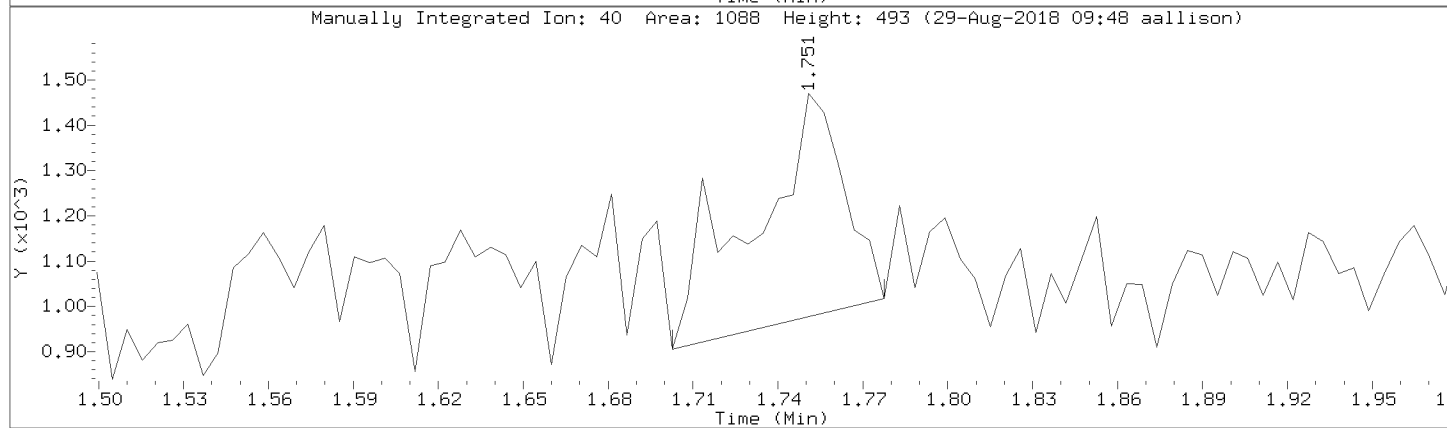
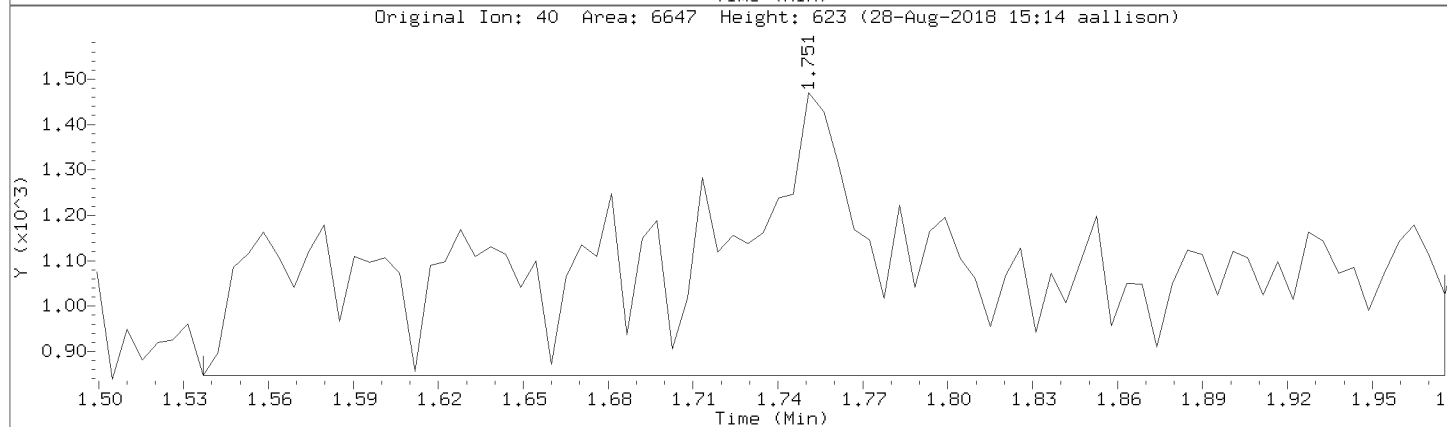
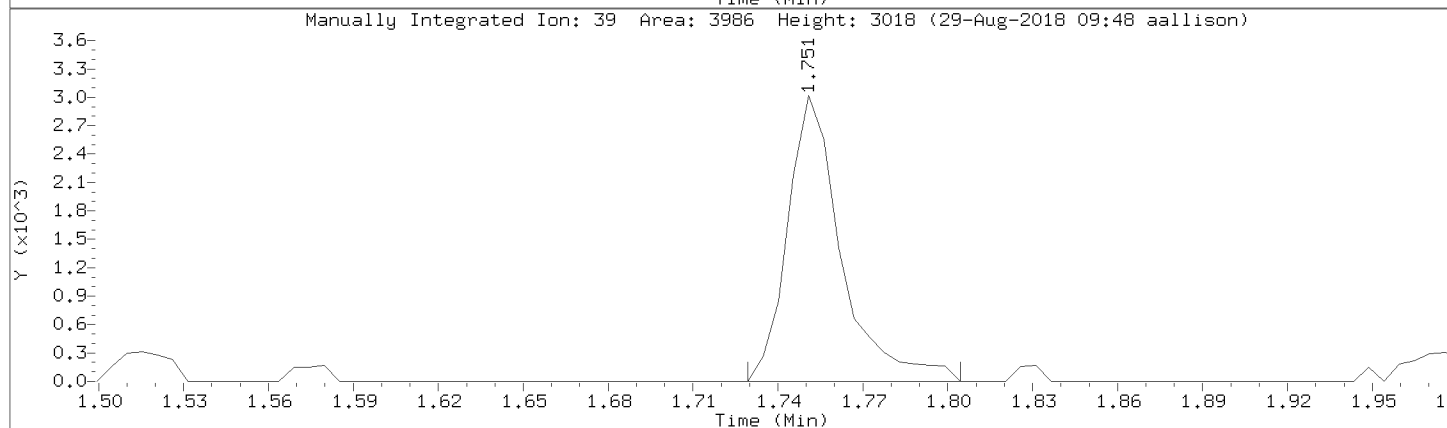
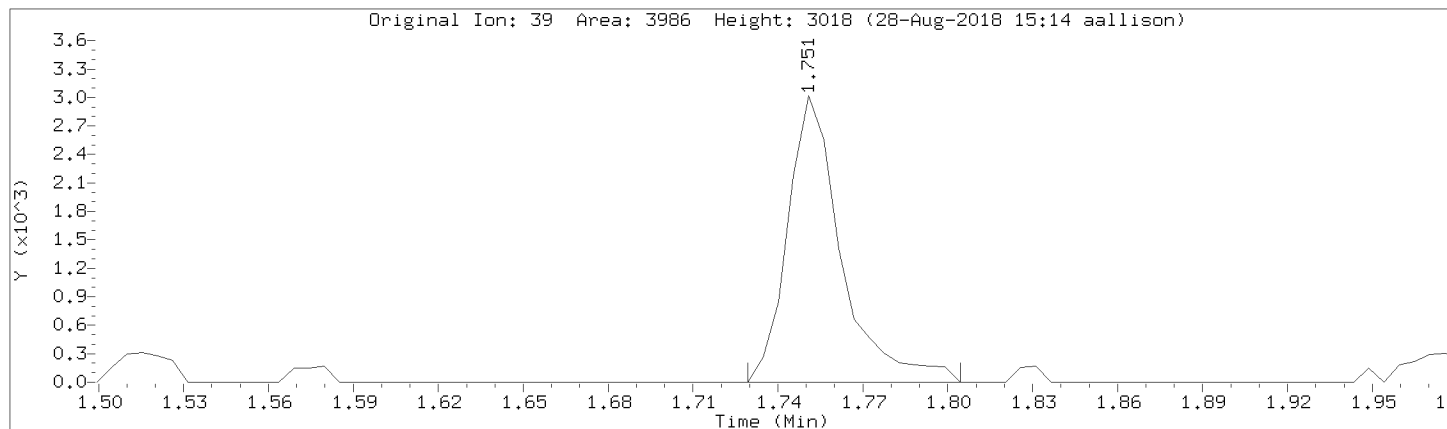
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL2

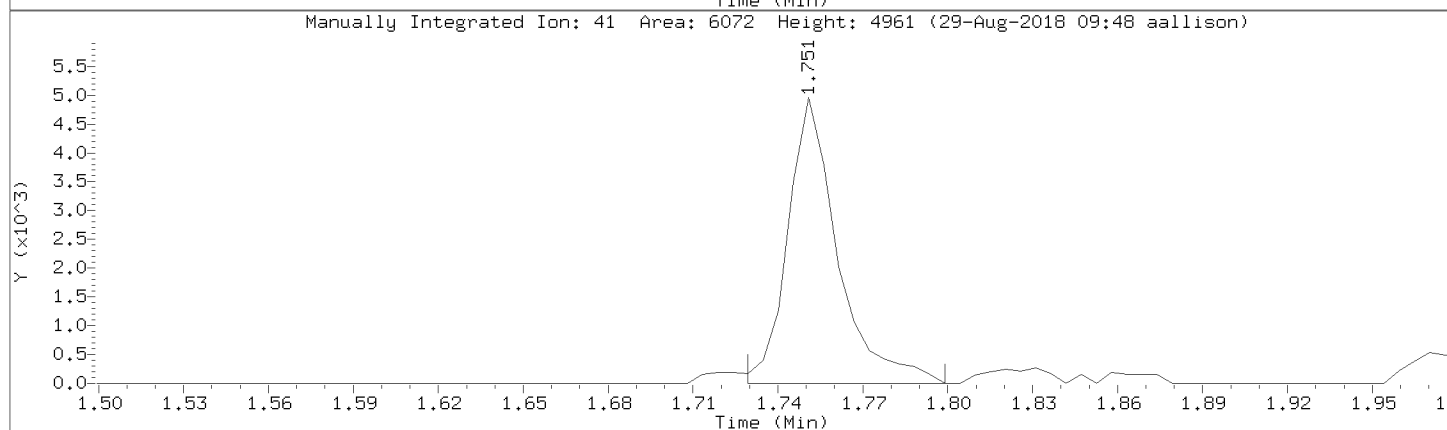
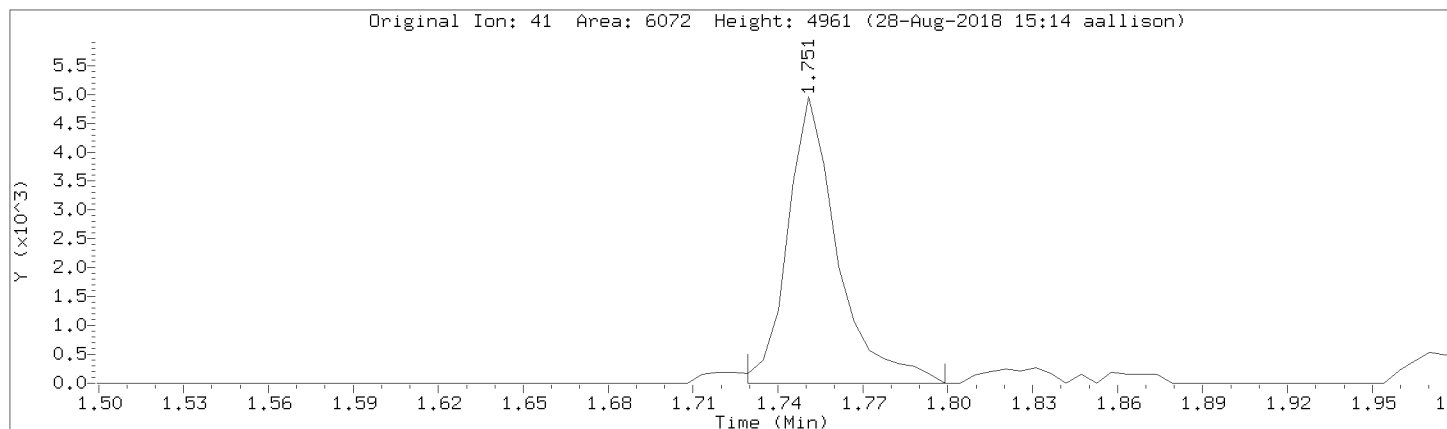
Compound: Acetonitrile

Review Code: GT

CAS Number: 75-05-8

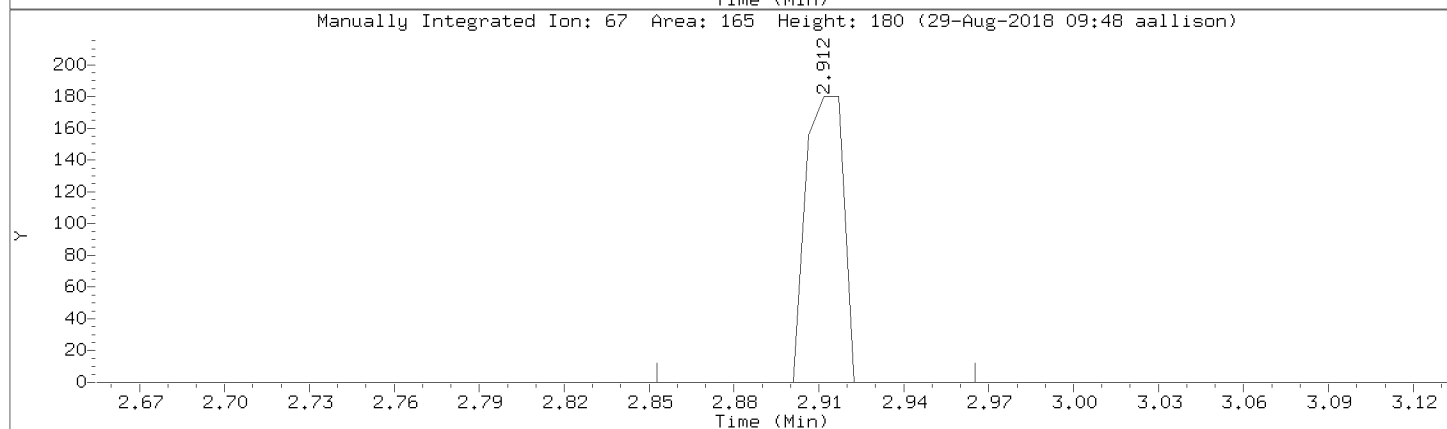
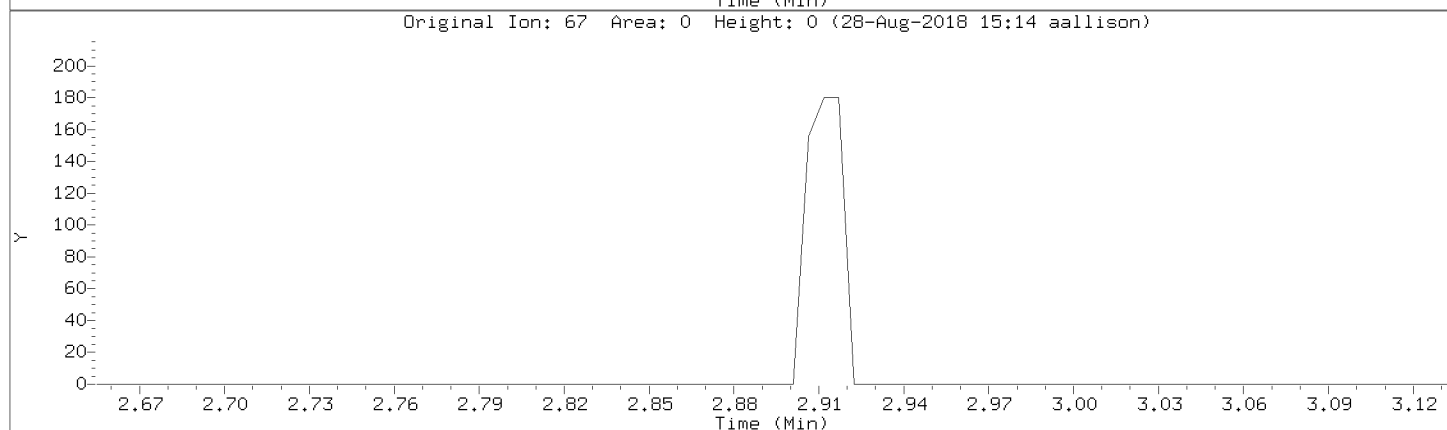
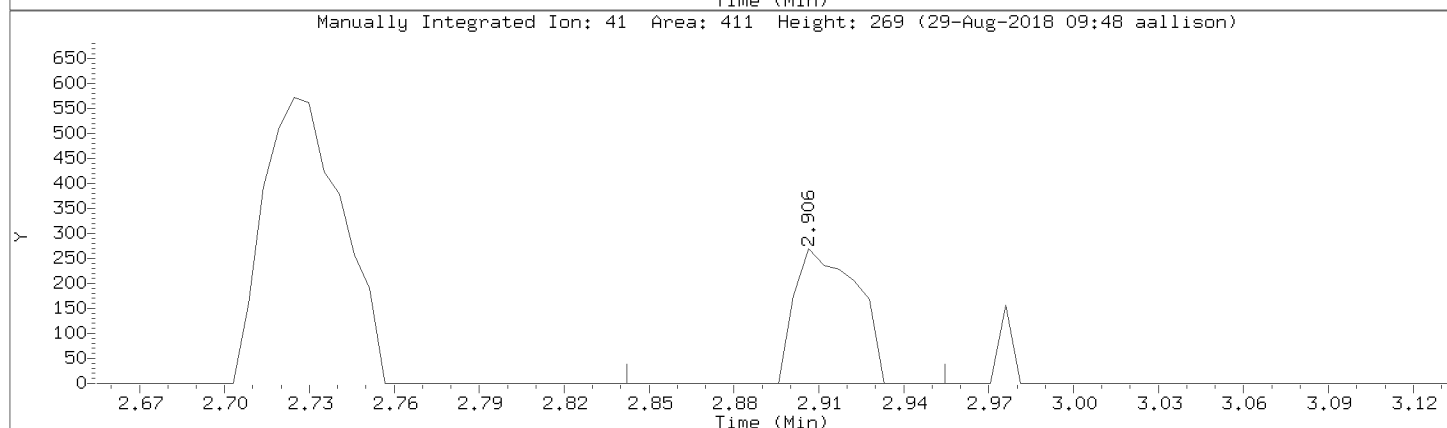
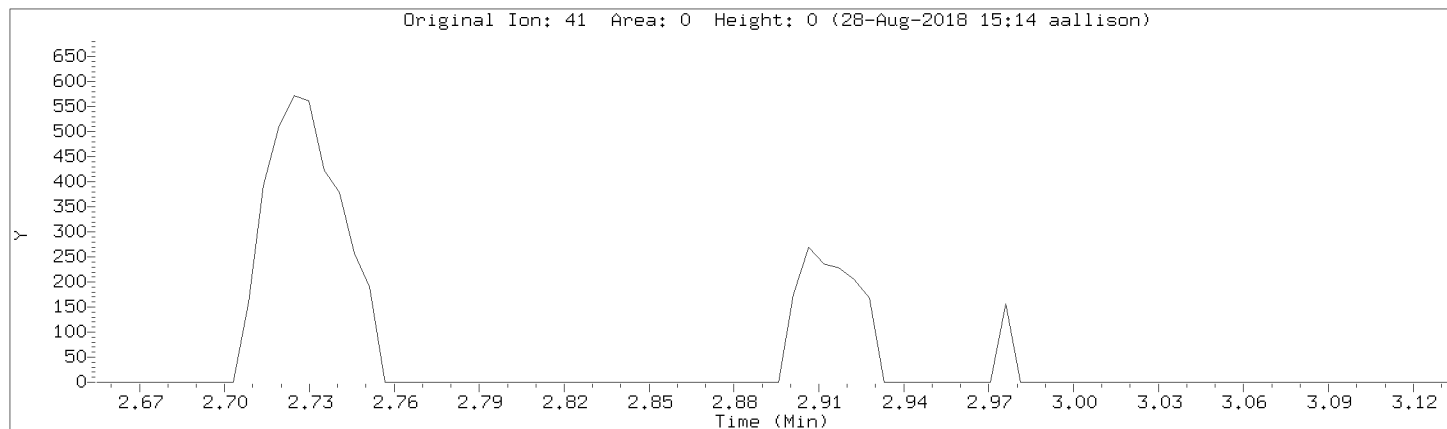


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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2

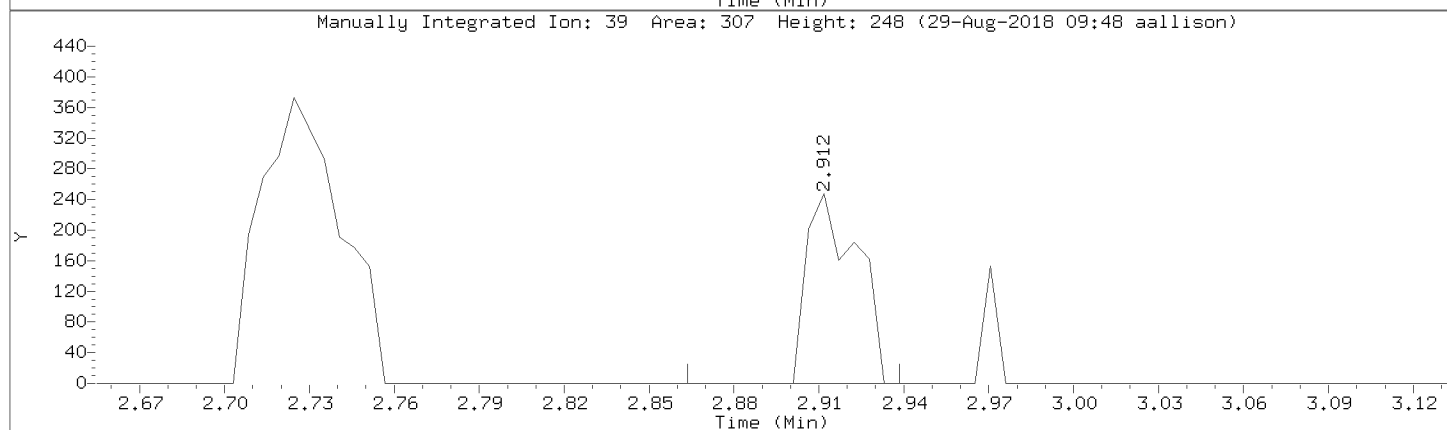
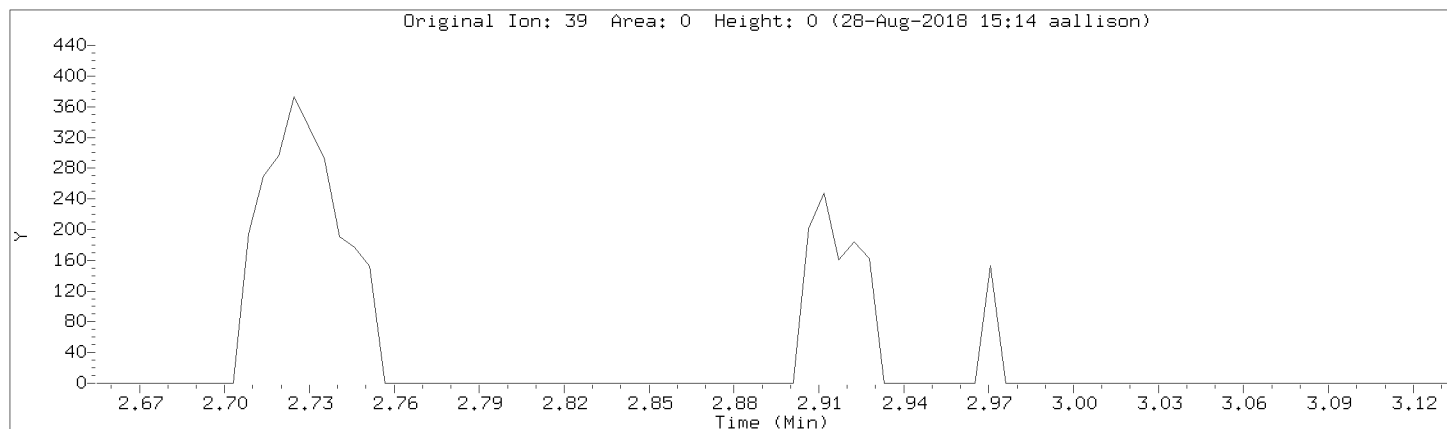


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Injection Date: 28-AUG-2018 14:59
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2

Compound: Methacrylonitrile Review Code: NI
CAS Number: 126-98-7



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a02.d
Injection Date: 28-AUG-2018 14:59
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 28-AUG-2018 14:59

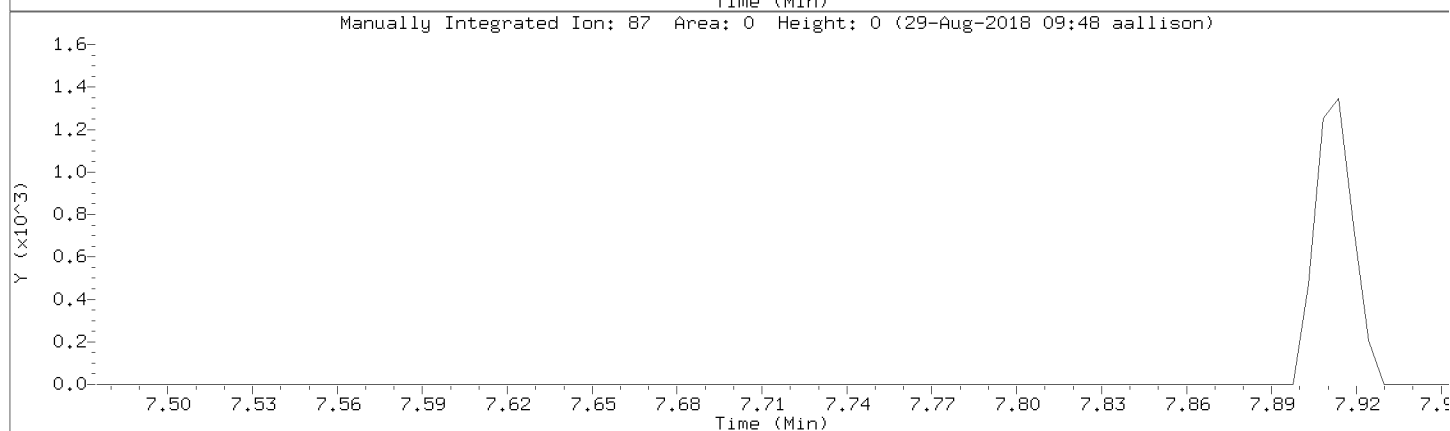
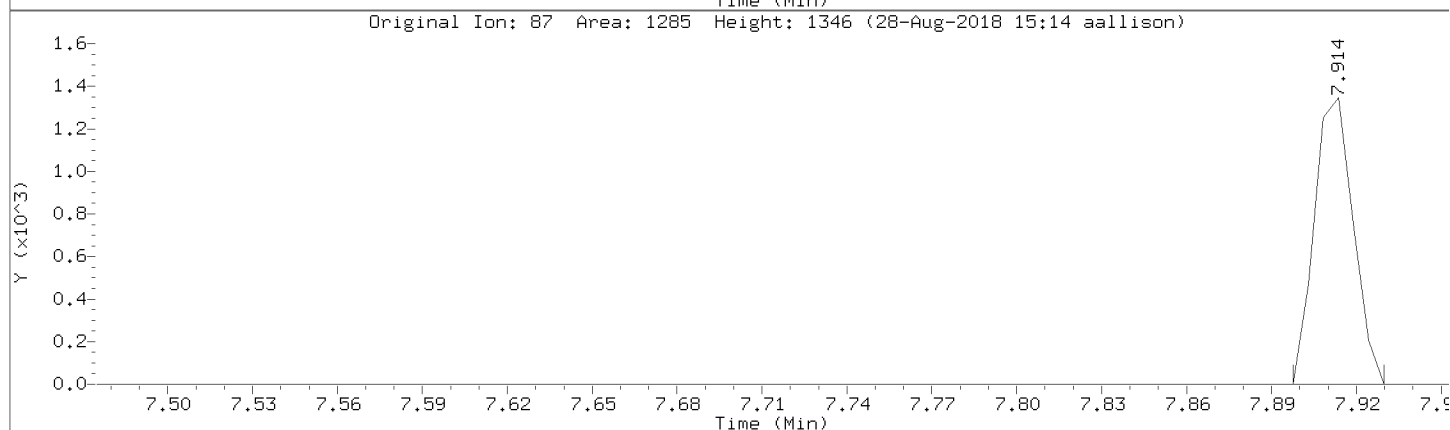
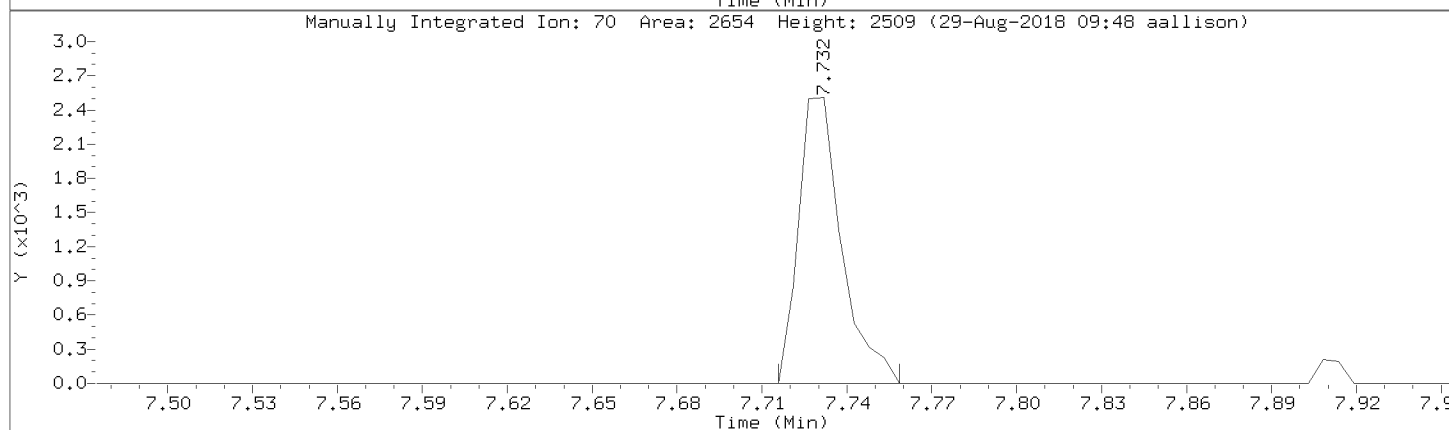
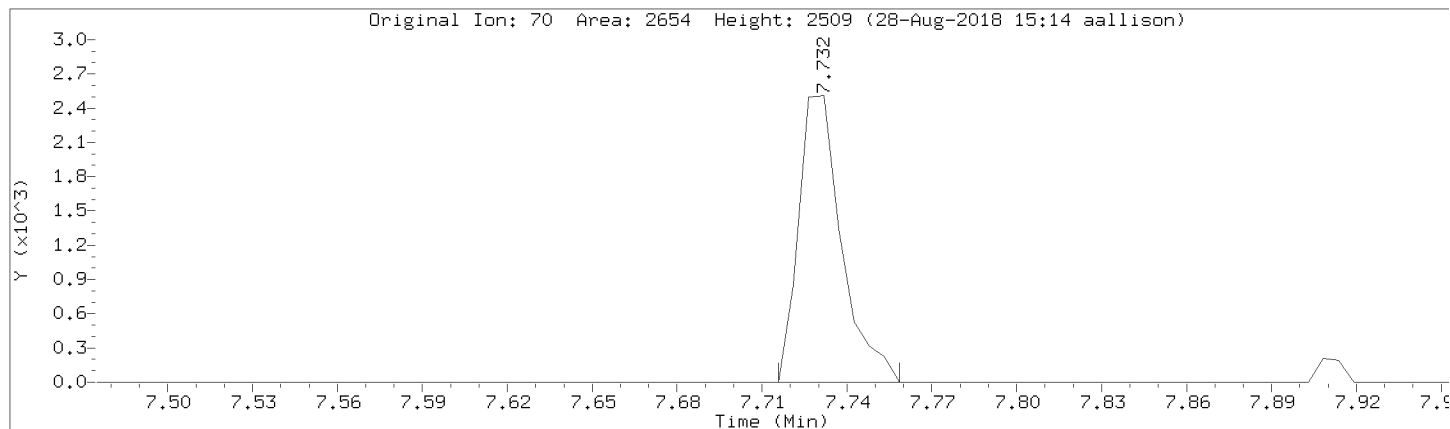
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL2

Compound: n-amyl acetate

Review Code: WP

CAS Number: 628-63-7

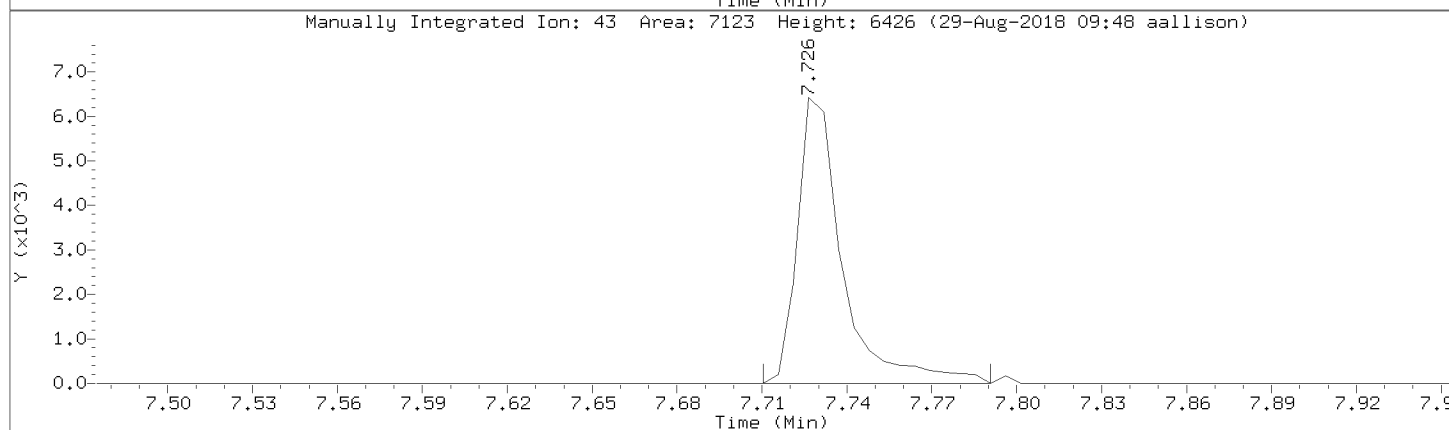
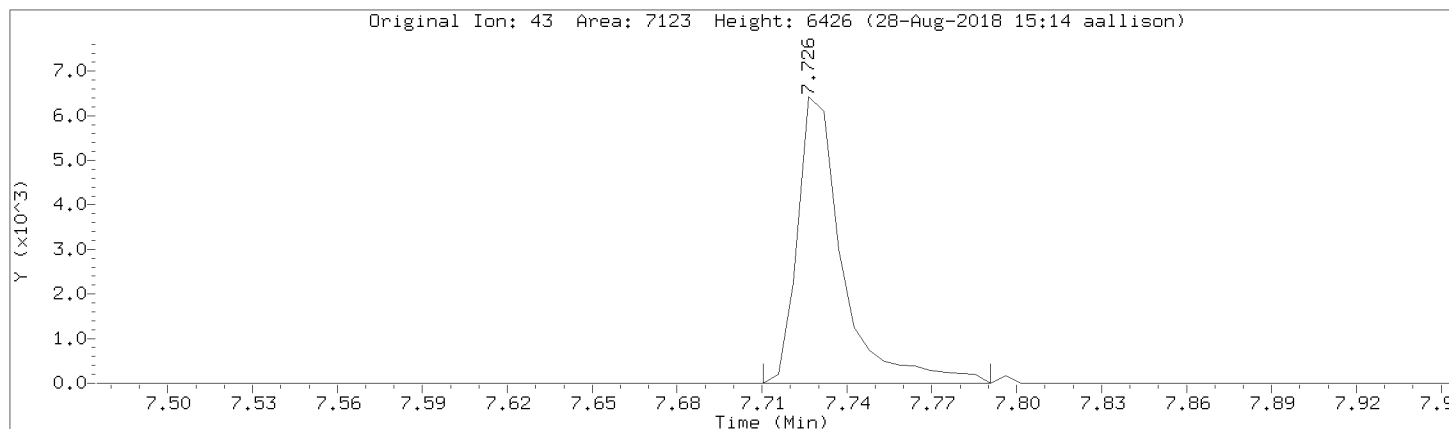


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Injection Date: 28-AUG-2018 14:59

Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL2



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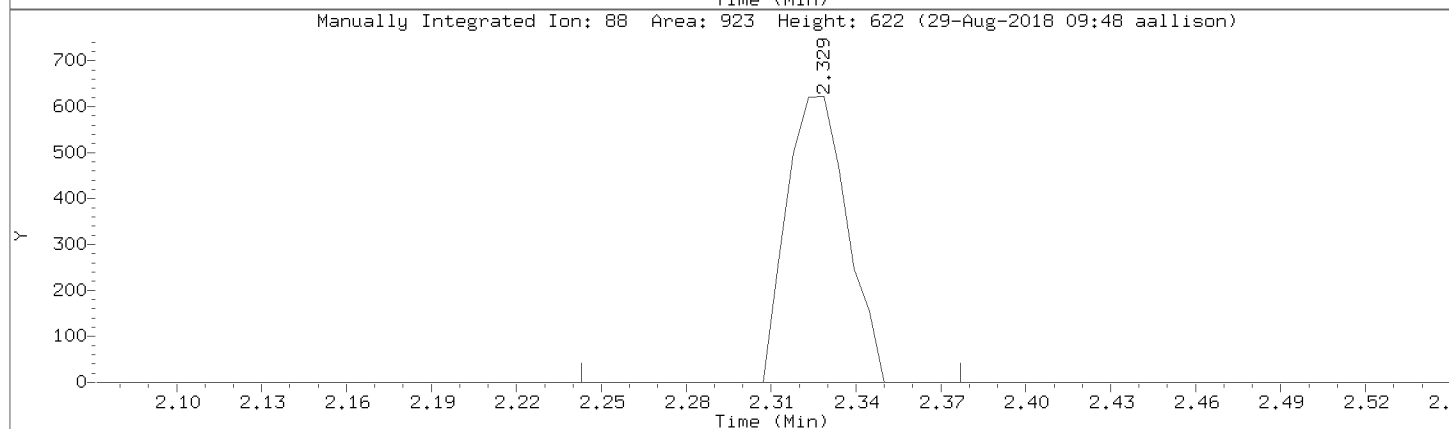
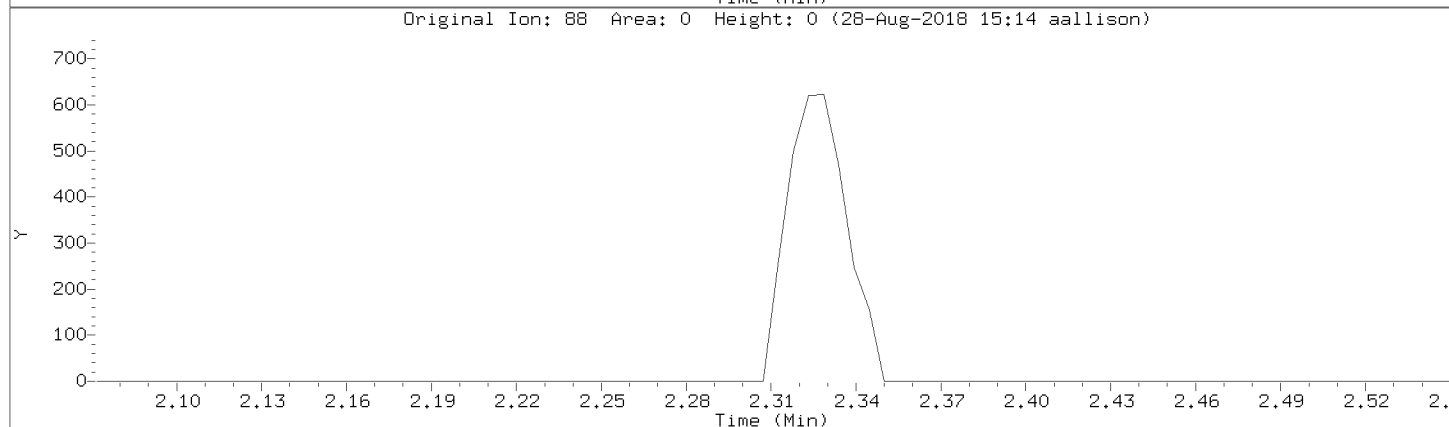
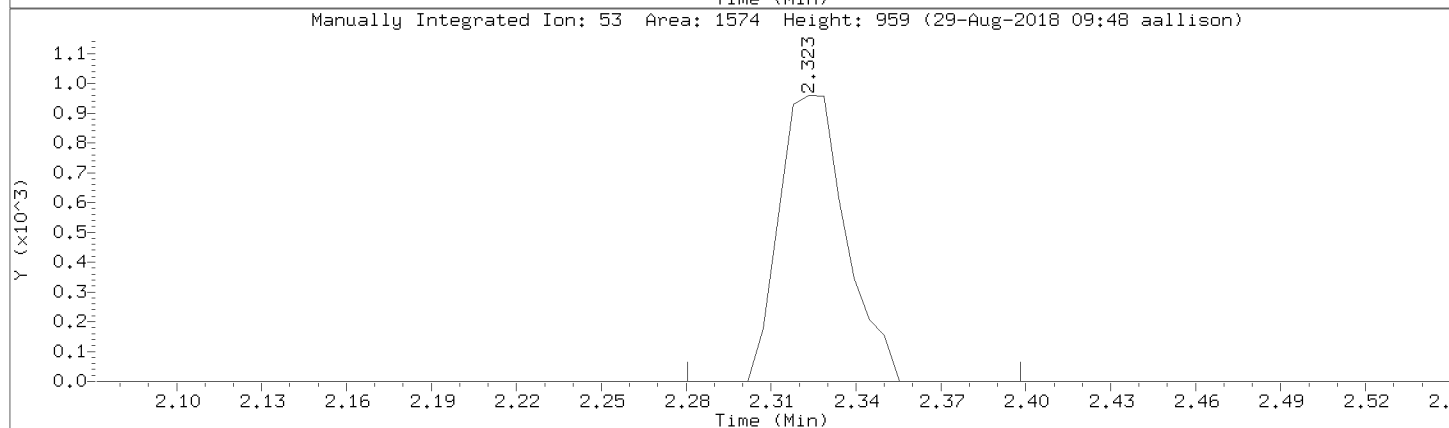
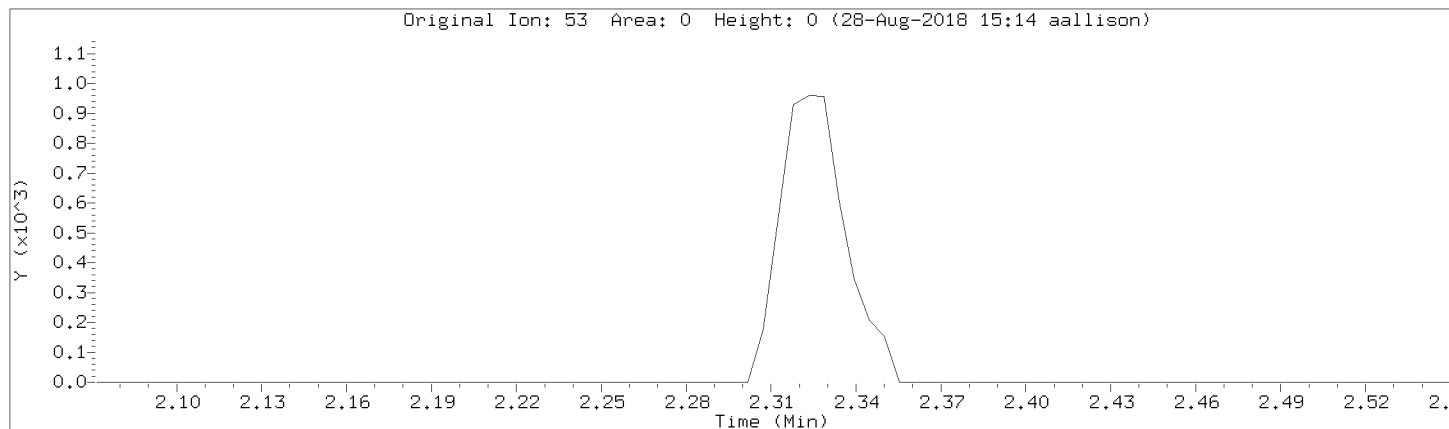
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Instrument: 50mv6a.i

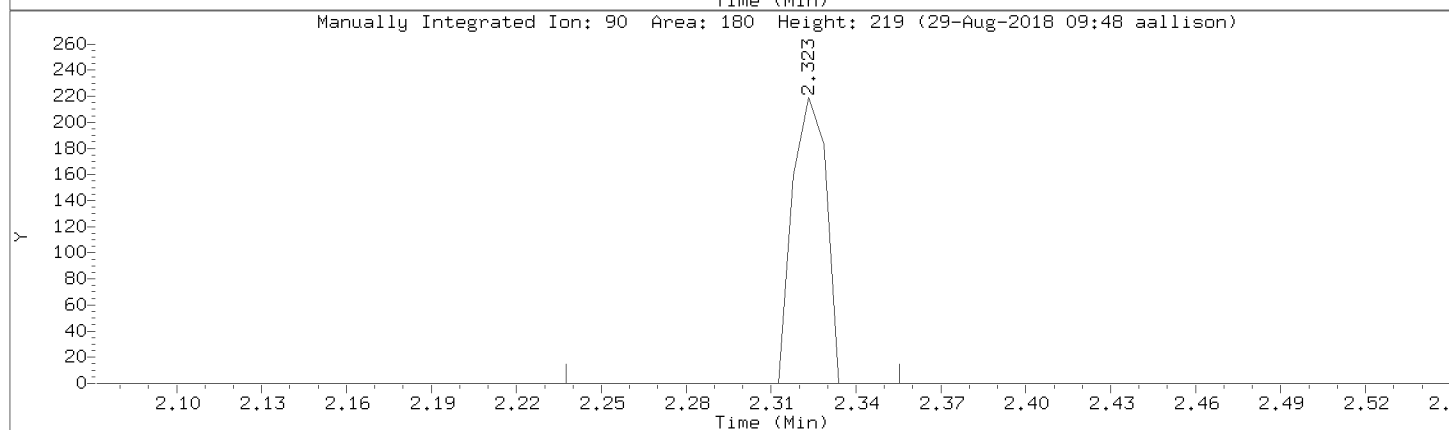
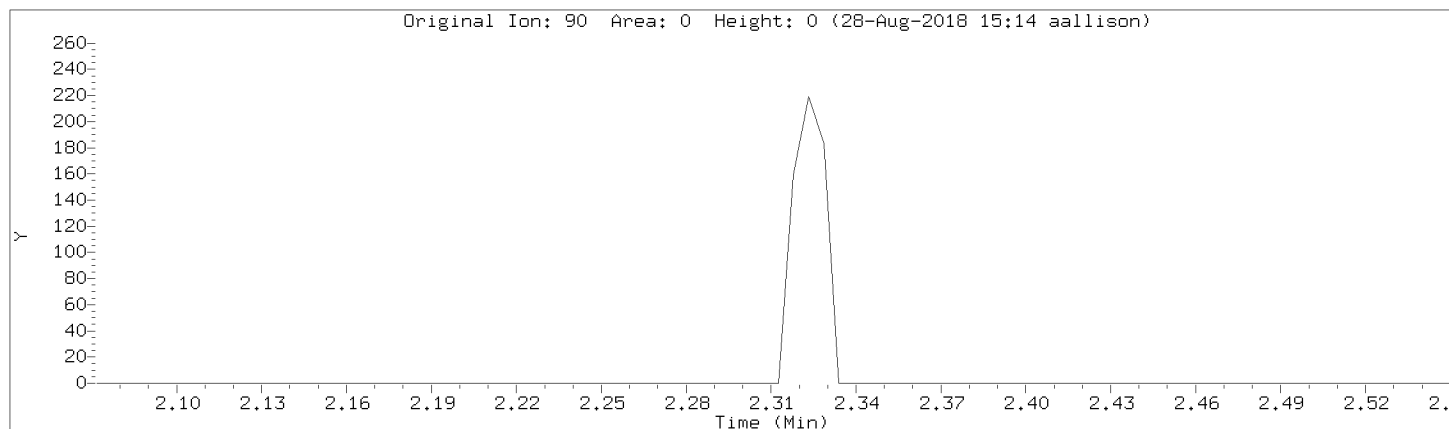
Lab Sample ID: 8260-CAL2

Compound: chloroprene Review Code: NI

CAS Number: 126-99-8



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a02.d
Injection Date: 28-AUG-2018 14:59
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL2



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Injection Date: 28-AUG-2018 14:59

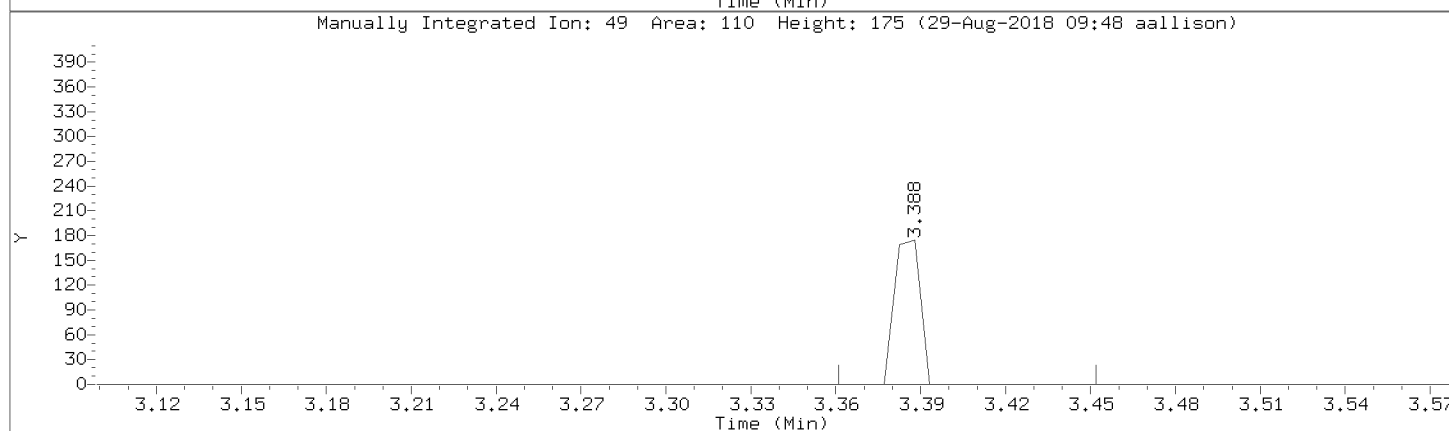
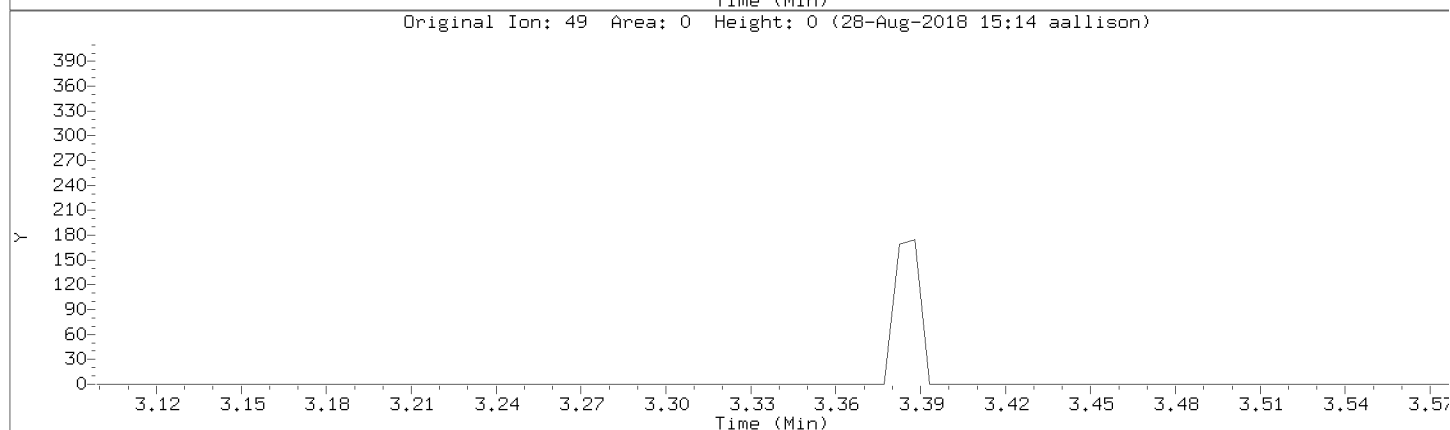
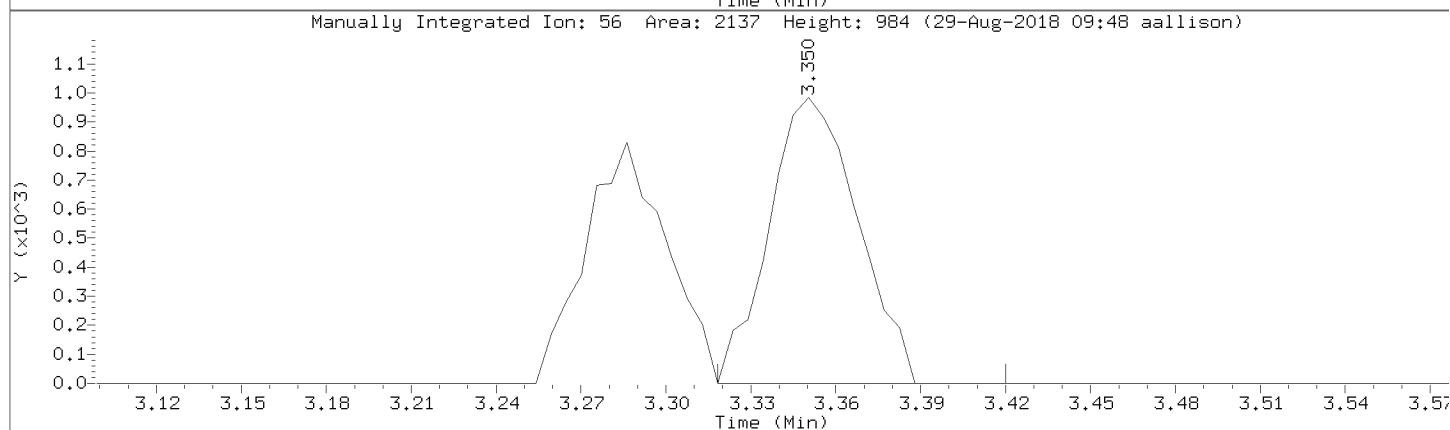
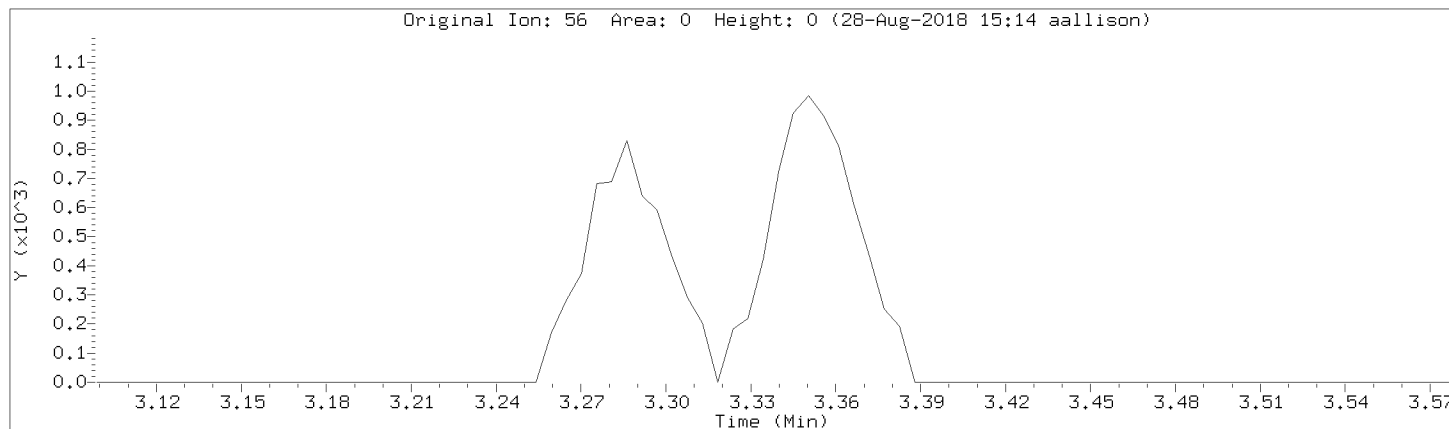
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL2

Compound: n-Butyl chloride

Review Code: NI

CAS Number: 109-69-3



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a02.d

Injection Date: 28-AUG-2018 14:59

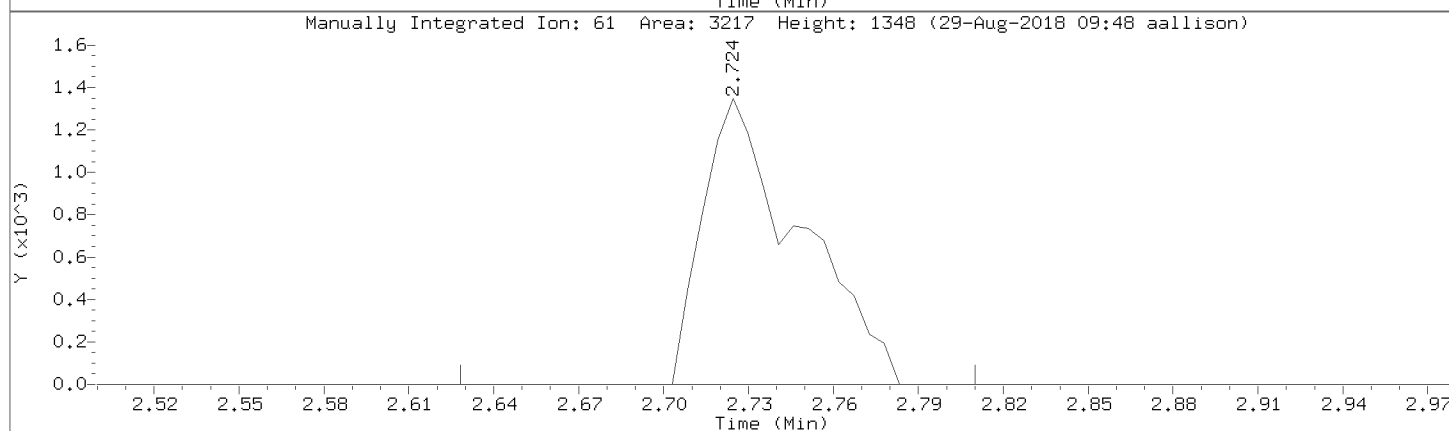
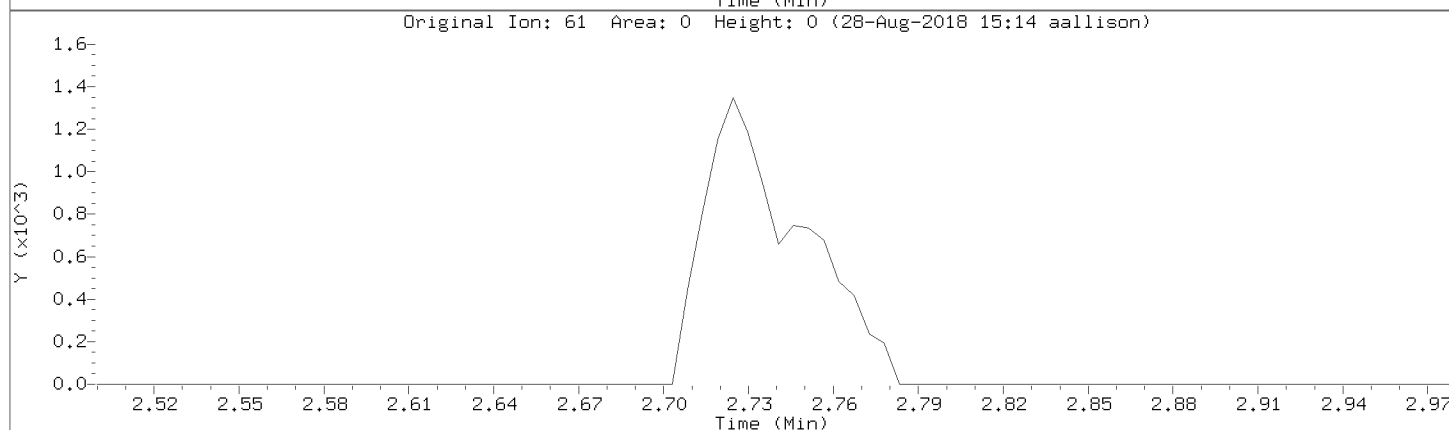
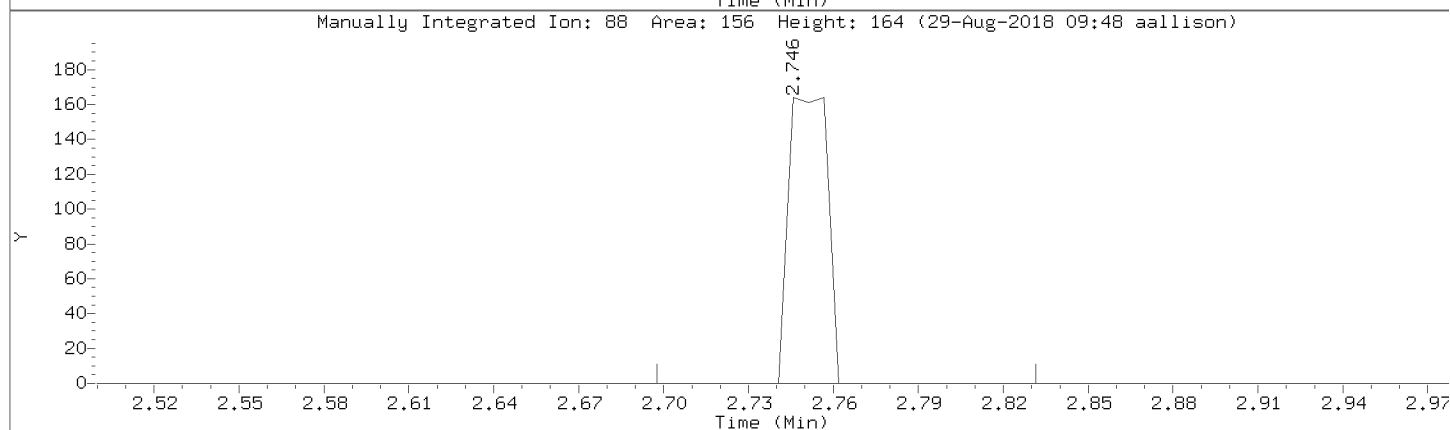
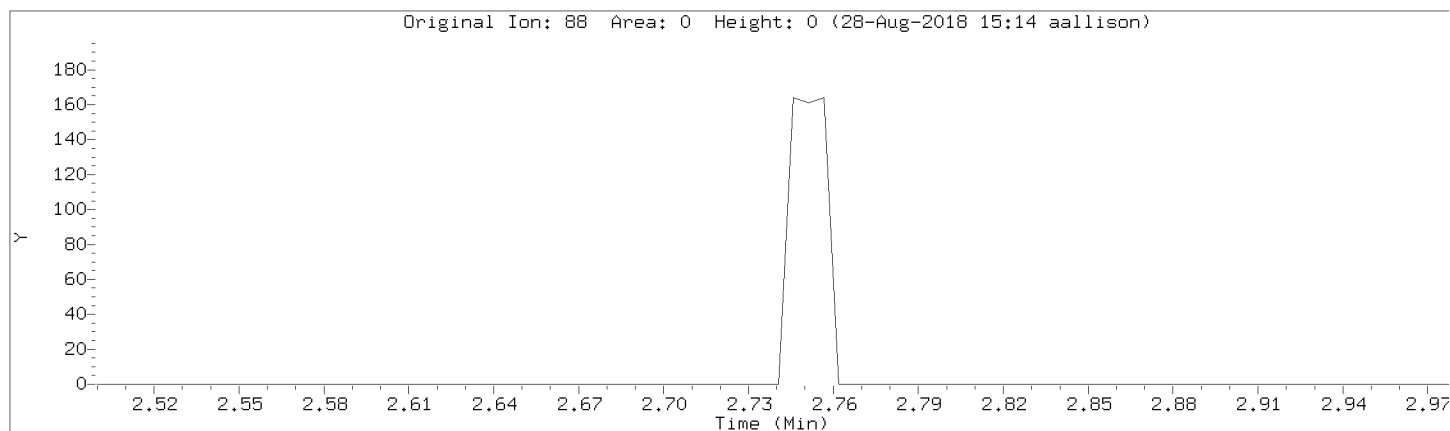
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL2

Compound: Ethyl Acetate

Review Code: NI

CAS Number: 141-78-6

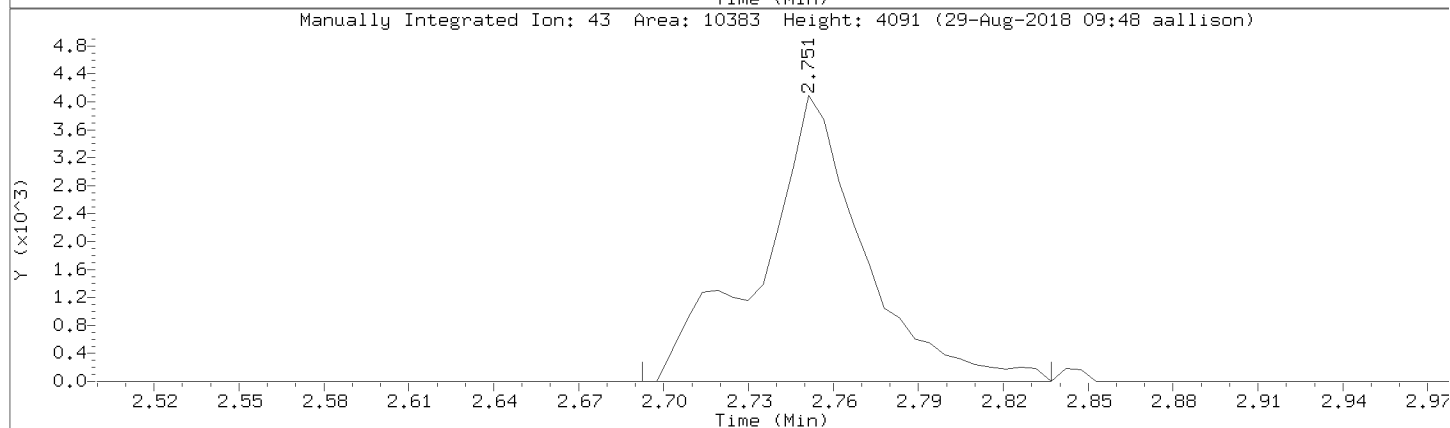
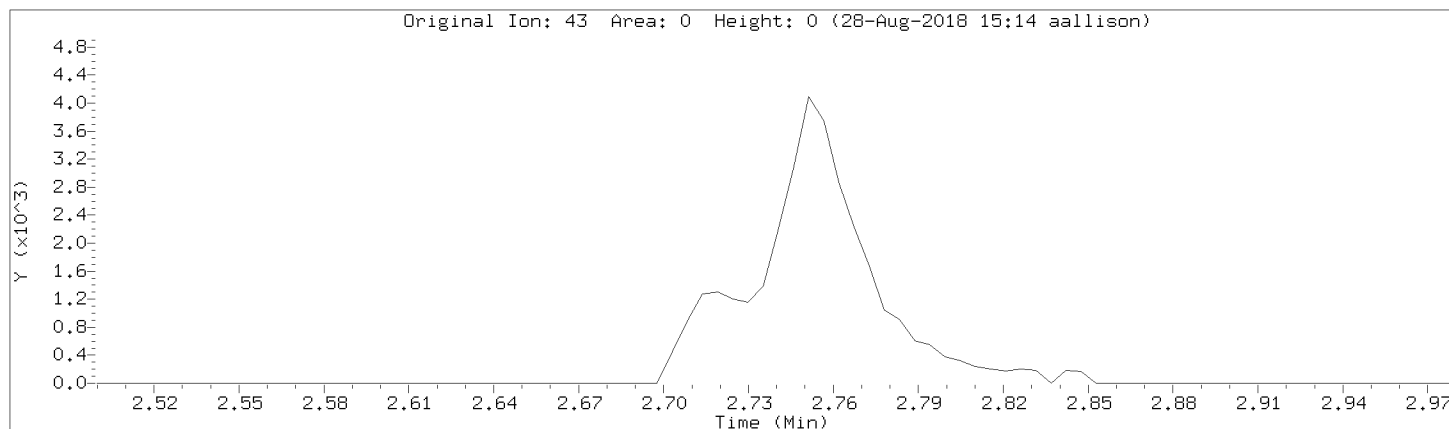


Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a02.d

Injection Date: 28-AUG-2018 14:59

Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL2



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6a.i\082818cal.b\03.d
 Lab Smp Id: 8260-CAL3 Client Smp ID: 8260-CAL3
 Inj Date : 28-AUG-2018 15:37
 Operator : ala Inst ID: 50mv6a.i
 Smp Info : 8260-cal3,184849:0
 Misc Info : 117677
 Comment :
 Method : \\192.168.50.6\chem\50mv6a.i\082818cal.b\03.d\03.d\03.d
 Meth Date : 29-Aug-2018 11:10 aallison Quant Type: ISTD
 Cal Date : 15-AUG-2018 16:38 Cal File: a10.d
 Als bottle: 4 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS							
			CAL-AMT	ON-COL	MASS	RT	EXP RT	REL RT	RESPONSE	
			(ppb)	(ppb)						
1 Dichlorodifluoromethane	85		5.00000	4.62 (M)		0.916	0.916	(0.228)	4335	
2 Chloromethane	50		5.00000	5.03		0.996	0.996	(0.248)	5535	
3 Vinyl Chloride	62		5.00000	4.80		1.039	1.039	(0.258)	5093	
4 Bromomethane	94		5.00000	4.38		1.178	1.173	(0.293)	4420	
5 Chloroethane	64		5.00000	4.80		1.221	1.221	(0.303)	3189	
6 Trichlorofluoromethane	101		5.00000	4.72		1.328	1.328	(0.330)	6446	
8 Diethyl ether	74		5.00000	4.61		1.446	1.446	(0.359)	2270	
7 1,2-dichlorotrifluoroethane	67		5.00000	4.51		1.462	1.462	(0.363)	5624	
9 Acrolein	56		100.000	96.8		1.515	1.515	(0.377)	13474	
10 1,1,2trichlorotrifluoroethane	101		5.00000	4.64		1.563	1.558	(0.389)	4335	
11 1,1-Dichloroethene	96		5.00000	4.61		1.569	1.563	(0.390)	4243	
12 Acetone	43		25.0000	24.8		1.579	1.579	(0.393)	7591	
13 Iodomethane	142		10.0000	8.13		1.654	1.649	(0.411)	7825	
14 Carbon Disulfide	76		5.00000	4.72		1.697	1.692	(0.422)	16647	
16 Methyl Acetate	43		5.00000	4.85 (M)		1.734	1.734	(0.431)	3488	
143 Acetonitrile	39		5.00000	4.57 (M)		1.751	1.751	(0.435)	9446	
15 allyl chloride	41		10.0000	9.41		1.751	1.751	(0.435)	13706	
17 Methylene Chloride	84		5.00000	4.56		1.825	1.825	(0.454)	7946	
18 tert-Butyl Alcohol	59		10.0000	9.76 (Q)		1.863	1.863	(0.463)	1115	
19 Acrylonitrile	53		20.0000	20.3		1.954	1.954	(0.486)	5427	
20 Methyl-tert-butyl ether	73		5.00000	5.05		1.975	1.975	(0.491)	9551	
21 1,2-Dichloroethene (trans)	96		5.00000	4.81		1.986	1.986	(0.494)	4583	
22 n-Hexane	57		5.00000	3.89 (M)		2.152	2.152	(0.535)	4123	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb)	ON-COL (ppb)
24 Vinyl Acetate	43	2.264	2.264	(0.563)	18687	20.0000	18.4
23 1,1-Dichloroethane	63	2.275	2.275	(0.565)	6795	5.00000	4.78
147 chloroprene	53	2.323	2.323	(0.577)	4643	5.00000	4.56
28 2-Butanone	72	2.713	2.713	(0.674)	1502	25.0000	25.1 (QM)
26 1,2-Dichloroethene (cis)	96	2.719	2.724	(0.676)	3836	5.00000	4.95
27 2,2-Dichloropropane	77	2.730	2.730	(0.678)	4887	5.00000	4.77
149 Propionitrile	54	2.783	2.772	(0.692)	165	5.00000	1.91 (QM)
151 Ethyl Acetate	88	2.751	2.751	(0.684)	585	40.0000	34.3 (Q)
144 Methacrylonitrile	41	2.911	2.906	(0.724)	1399	5.00000	5.22
30 Bromochloromethane	49	2.944	2.944	(0.731)	2889	5.00000	5.07
31 Tetrahydrofuran	42	2.965	2.965	(0.737)	933	5.00000	5.92 (M)
32 Chloroform	83	3.045	3.045	(0.757)	6842	5.00000	4.82
\$ 33 Dibromofluoromethane (S)	113	3.211	3.216	(0.798)	24315	50.0000	50.6
34 1,1,1-Trichloroethane	97	3.211	3.211	(0.798)	5238	5.00000	4.70
35 Cyclohexane	56	3.281	3.286	(0.815)	5029	5.00000	4.59
150 n-Butyl chloride	56	3.355	3.350	(0.834)	6088	5.00000	4.58
36 Carbon Tetrachloride	117	3.377	3.382	(0.839)	4772	5.00000	4.84
37 1,1-Dichloropropene	75	3.388	3.388	(0.842)	4285	5.00000	4.70
39 Benzene	78	3.618	3.623	(0.899)	12914	5.00000	4.85
40 1,2-Dichloroethane	62	3.709	3.709	(0.922)	4128	5.00000	5.13 (M)
145 isopropyl acetate	61	3.730	3.735	(0.927)	3933	20.0000	18.6
141 2,2,4-Trimethylpentane	57	3.778	3.778	(0.939)	9611	5.00000	4.38
38 Isobutyl alcohol	43	3.553	3.548	(0.883)	1185	45.0000	43.5 (Q)
* 41 Fluorobenzene	96	4.024	4.024	(1.000)	69755	50.0000	
42 Trichloroethene	95	4.479	4.479	(1.113)	3150	5.00000	4.61
43 Methylcyclohexane	55	4.730	4.736	(1.175)	3701	5.00000	4.31
44 1,2-Dichloropropane	63	4.784	4.784	(1.189)	3110	5.00000	4.87 (M)
45 Dibromomethane	93	4.885	4.880	(1.214)	1882	5.00000	5.22
142 1,4-Dioxane	88	4.902	4.891	(1.218)	351	100.000	46.9 (M)
46 Methyl methacrylate	69	4.907	4.907	(1.219)	1334	5.00000	3.50 (QM)
47 Bromodichloromethane	83	5.105	5.105	(1.269)	4480	5.00000	4.91 (M)
48 2-Chloroethyl vinyl ether	63	5.463	5.453	(0.764)	800	10.0000	5.45 (M)
49 cis-1,3-Dichloropropene	75	5.592	5.586	(0.782)	4372	5.00000	4.44
50 4-Methyl-2-Pentanone	43	5.763	5.763	(0.806)	13327	25.0000	24.0
\$ 51 Toluene-d8	98	5.848	5.848	(0.818)	81392	50.0000	50.2
52 Toluene	91	5.918	5.918	(0.828)	13682	5.00000	4.64
53 trans-1,3-Dichloropropene	75	6.207	6.201	(0.868)	3480	5.00000	4.29
54 Ethyl Methacrylate	69	6.292	6.292	(0.880)	2941	5.00000	4.62 (M)
55 1,1,2-Trichloroethane	83	6.394	6.389	(0.894)	2272	5.00000	4.65 (Q)
56 Tetrachloroethene	166	6.432	6.432	(0.900)	3548	5.00000	4.51
57 1,3-Dichloropropane	76	6.533	6.533	(0.914)	4013	5.00000	4.62
58 2-Hexanone	43	6.608	6.603	(0.924)	9746	25.0000	24.4
59 Dibromochloromethane	129	6.715	6.715	(0.939)	3127	5.00000	4.50
60 1,2-Dibromoethane	107	6.795	6.790	(0.951)	2480	5.00000	5.57
* 61 Chlorobenzene-d5	117	7.148	7.148	(1.000)	54251	50.0000	
62 Chlorobenzene	112	7.170	7.170	(1.003)	8803	5.00000	4.76
63 1,1,1,2-Tetrachloroethane	131	7.245	7.245	(1.013)	2898	5.00000	4.54
64 Ethylbenzene	106	7.245	7.245	(1.013)	4305	5.00000	4.82
65 m&p-Xylene	106	7.341	7.341	(1.027)	11010	10.0000	9.05
67 o-Xylene	106	7.582	7.582	(1.061)	5151	5.00000	4.90
68 Styrene	104	7.603	7.598	(1.064)	8606	5.00000	4.52
69 Bromoform	173	7.710	7.710	(0.904)	1970	5.00000	4.61 (M)
146 n-amyl acetate	70	7.726	7.726	(1.920)	7722	20.0000	20.0 (TM)
70 Isopropylbenzene	105	7.812	7.812	(1.093)	13958	5.00000	4.55

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)
\$ 72 4-Bromofluorobenzene	95		7.908	7.913	(1.106)	28238	50.0000	50.7	
74 Bromobenzene	77		7.978	7.978	(1.116)	5401	5.00000	4.88	
73 1,1,2,2-Tetrachloroethane	83		7.999	7.999	(0.938)	3978	5.00000	5.05 (M)	
71 trans-1,4-Dichloro-2-butene	53		8.020	8.020	(1.122)	833	5.00000	4.96 (QM)	
75 1,2,3-Trichloropropane	110		8.026	8.026	(0.941)	959	5.00000	5.11	
76 n-Propylbenzene	91		8.047	8.047	(0.944)	17656	5.00000	4.69	
77 2-Chlorotoluene	91		8.090	8.090	(0.949)	10336	5.00000	4.75	
78 1,3,5-Trimethylbenzene	105		8.149	8.149	(0.955)	10324	5.00000	4.72	
79 4-Chlorotoluene	126		8.159	8.159	(0.957)	3381	5.00000	4.75	
80 tert-Butylbenzene	119		8.309	8.309	(0.974)	12788	5.00000	4.64	
81 1,2,4-Trimethylbenzene	105		8.341	8.341	(0.978)	10749	5.00000	4.85	
82 sec-Butylbenzene	105		8.427	8.427	(0.988)	14947	5.00000	4.48	
83 1,3-Dichlorobenzene	146		8.486	8.486	(0.995)	7065	5.00000	4.78	
84 p-Isopropyltoluene	119		8.507	8.507	(0.997)	11887	5.00000	4.49	
* 85 1,4-Dichlorobenzene-d4	152		8.529	8.529	(1.000)	29244	50.0000		
86 1,4-Dichlorobenzene	146		8.539	8.539	(1.001)	7371	5.00000	4.63	
87 n-Butylbenzene	91		8.705	8.705	(1.021)	11320	5.00000	4.31	
88 1,2-Dichlorobenzene	146		8.711	8.711	(1.021)	6817	5.00000	5.05	
89 1,2-Dibromo-3-chloropropane	155		9.080	9.080	(1.065)	646	5.00000	4.91	
90 1,2,4-Trichlorobenzene	180		9.443	9.443	(1.107)	4579	5.00000	4.89	
91 Hexachlorobutadiene	225		9.502	9.502	(1.114)	2721	5.00000	5.06	
92 Naphthalene	128		9.556	9.556	(1.120)	10706	5.00000	4.47	
93 1,2,3-Trichlorobenzene	180		9.652	9.652	(1.132)	4891	5.00000	4.82	
94 2,methyl-naphthalene	142		10.059	10.059	(1.179)	6167	5.00000	4.44	
148 1-Methylnaphthalene	141		10.144	10.144	(1.189)	4976	5.00000	4.33	

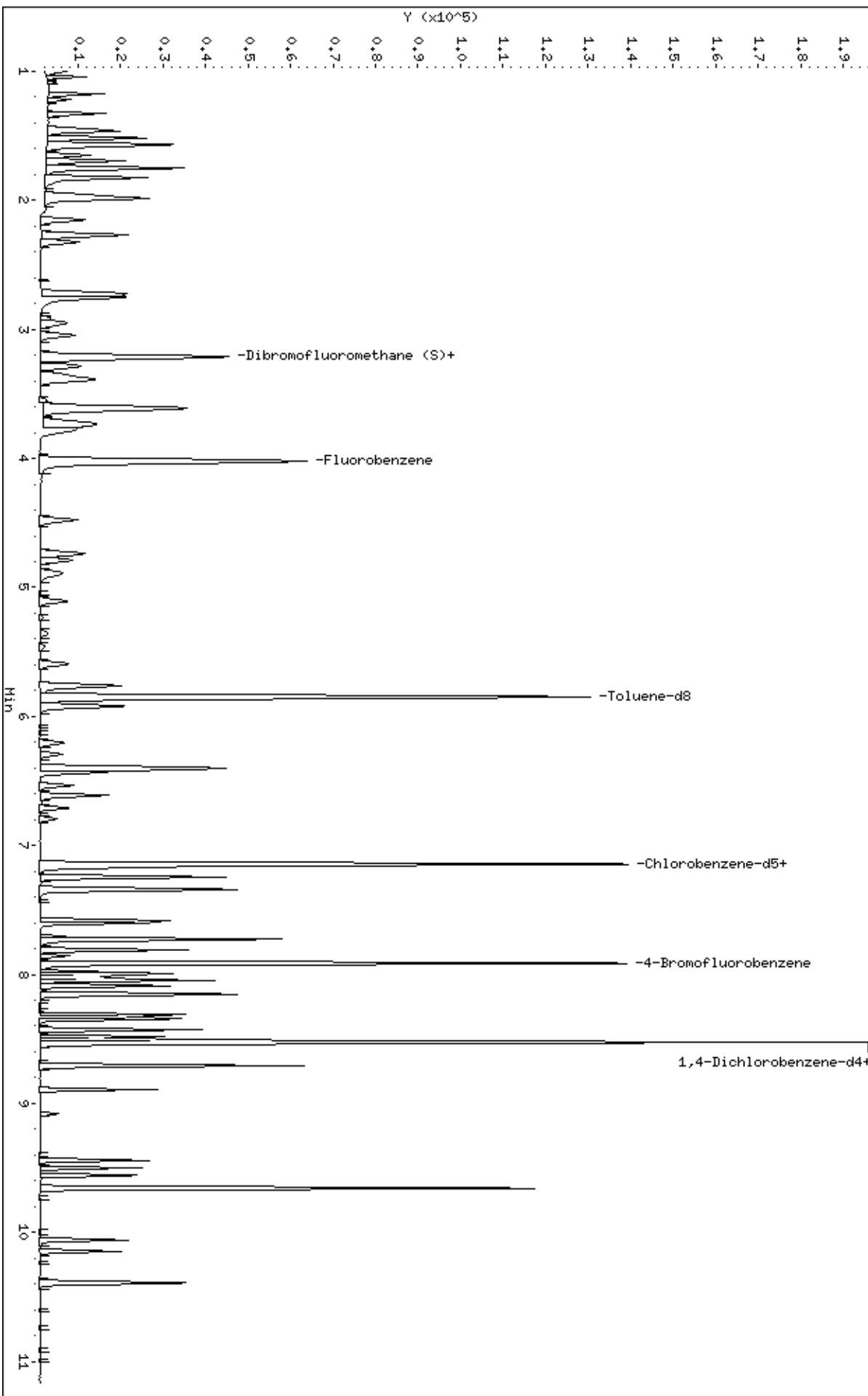
QC Flag Legend

- T - Target compound detected outside RT window.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

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Sample Info: 8260-CAL3,184849;10
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw6a.i
Operator: alia
Column diameter: 0.18

\\192.168.50.6\chem\50mw6a.i\A082818cal.b\A03.d



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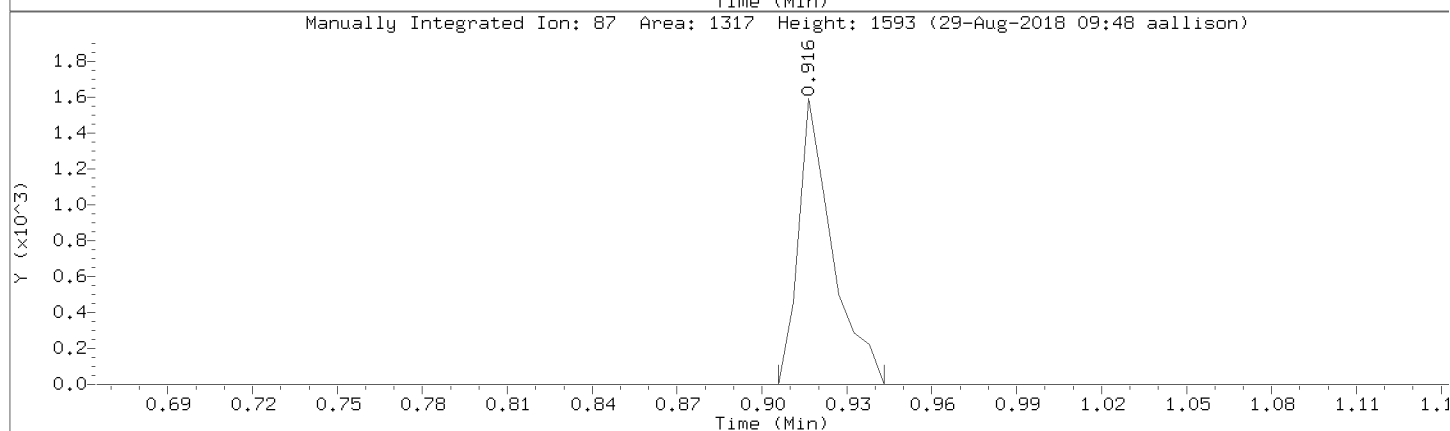
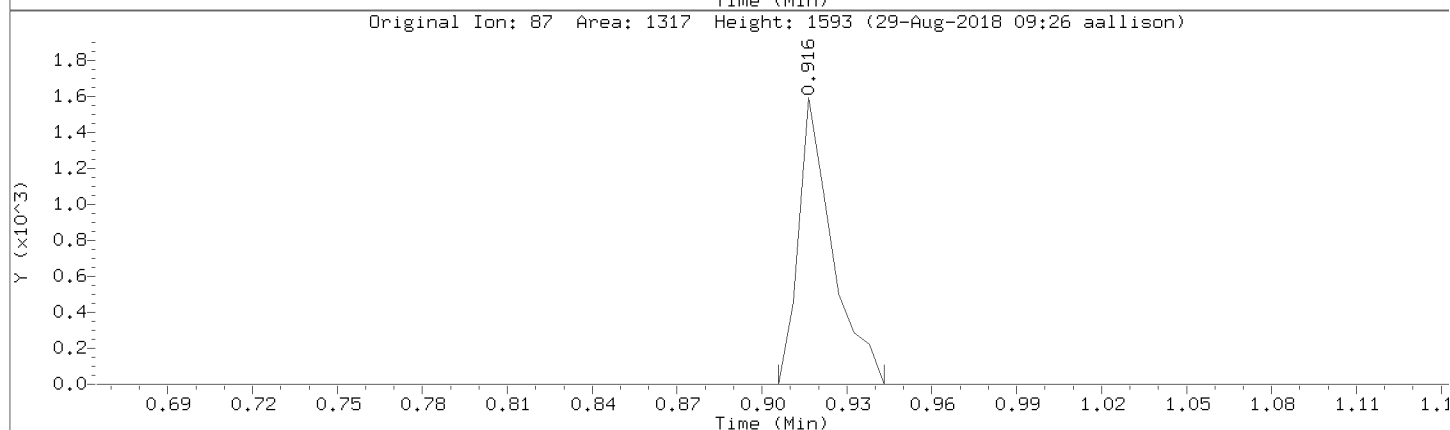
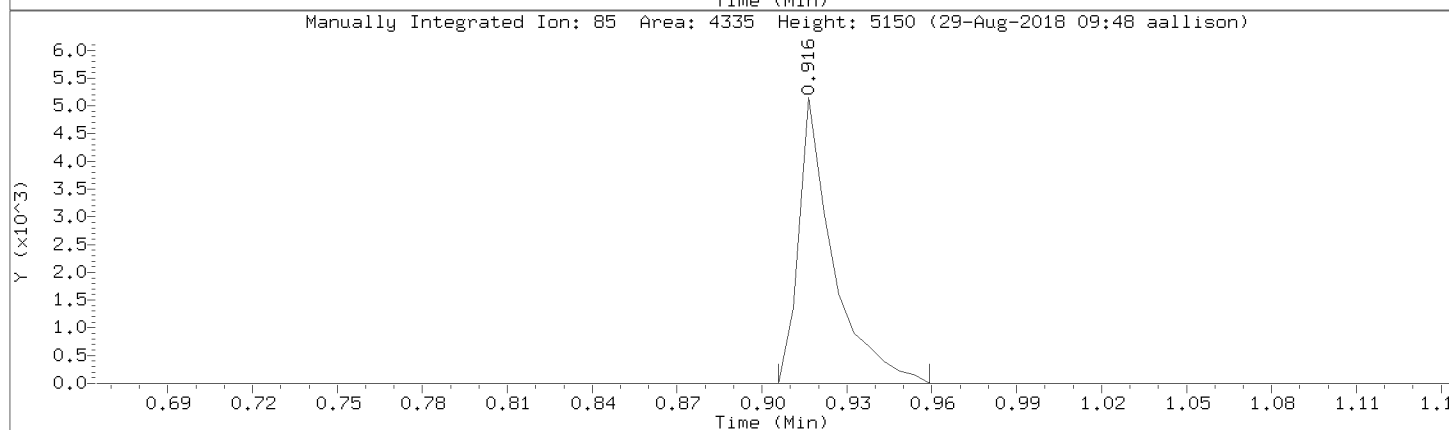
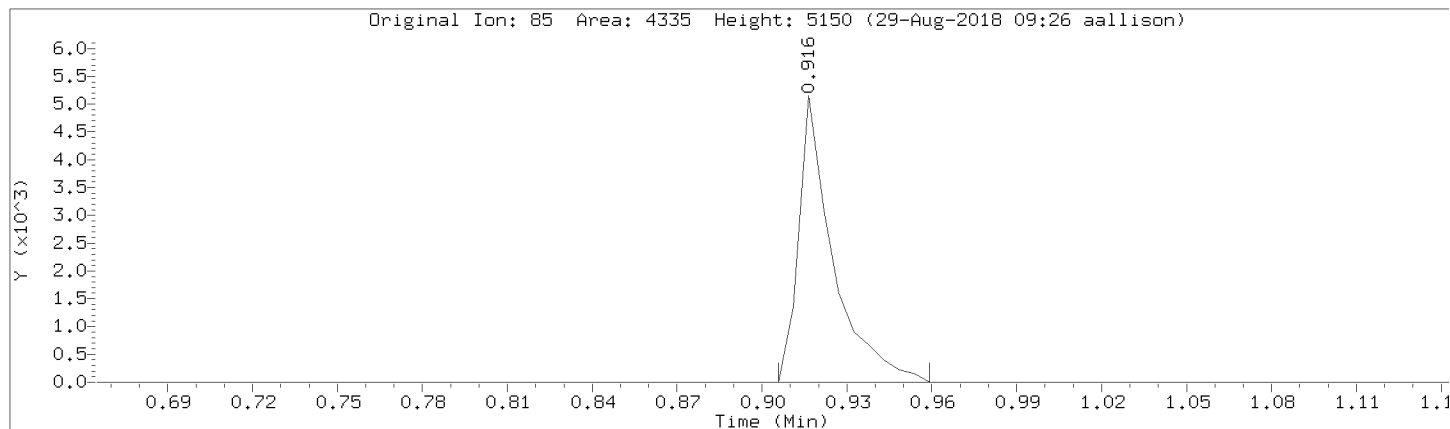
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Lab Sample ID: 8260-CAL3

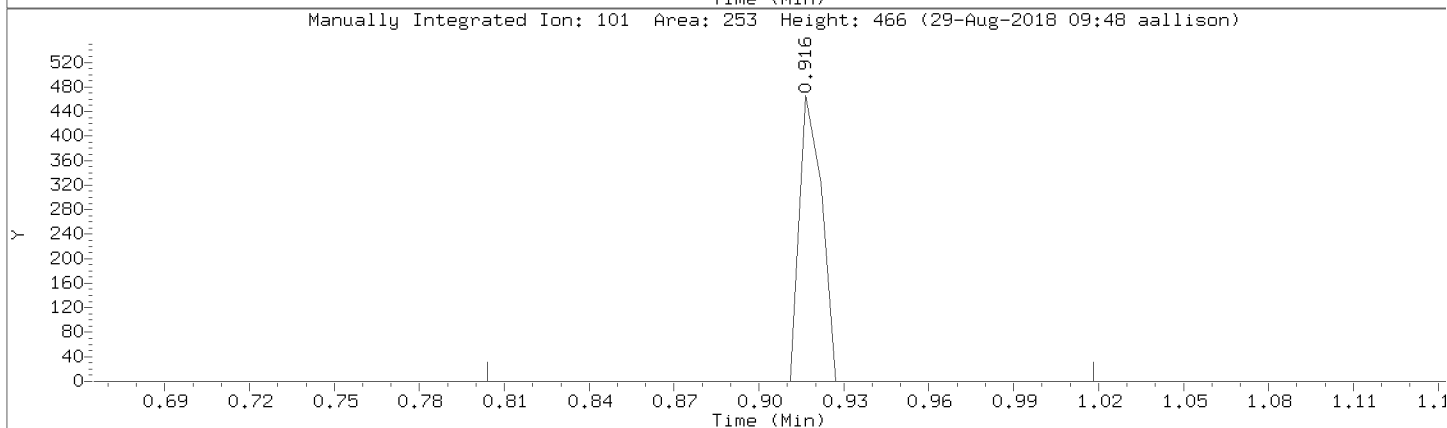
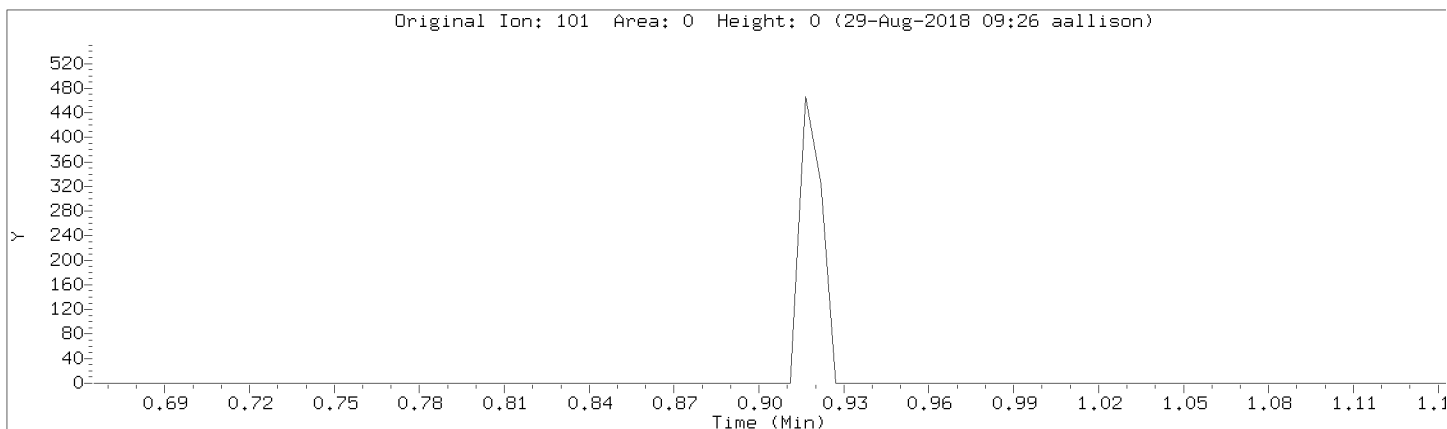
Compound: Dichlorodifluoromethane

Review Code: NI

CAS Number: 75-71-8

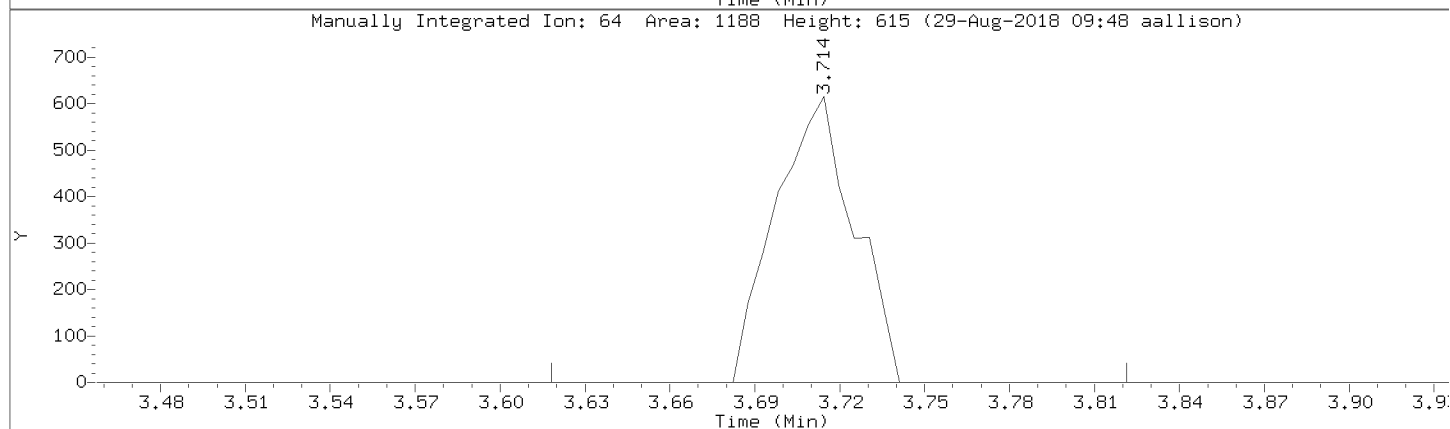
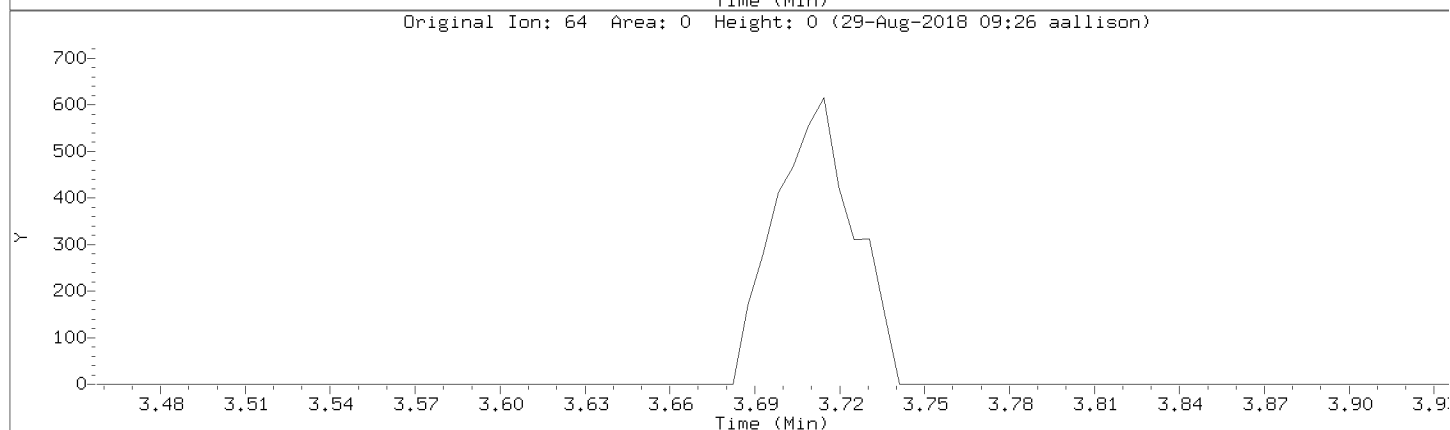
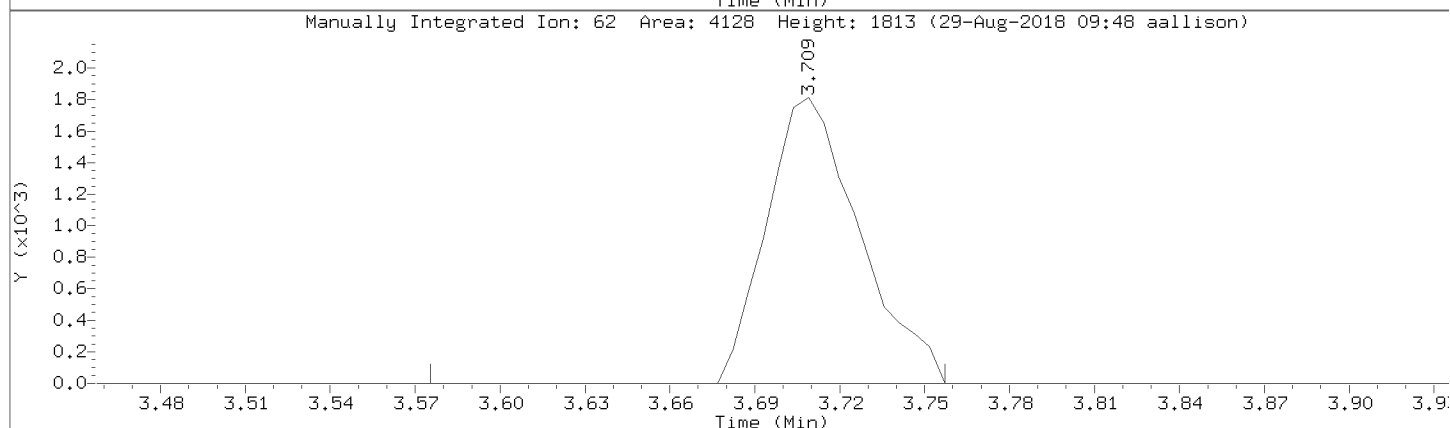
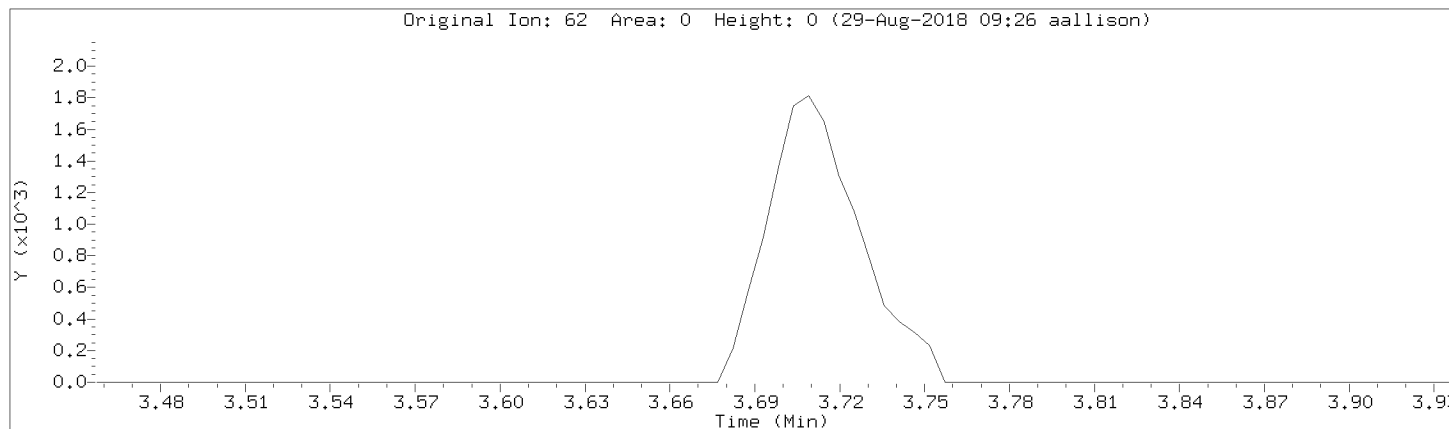


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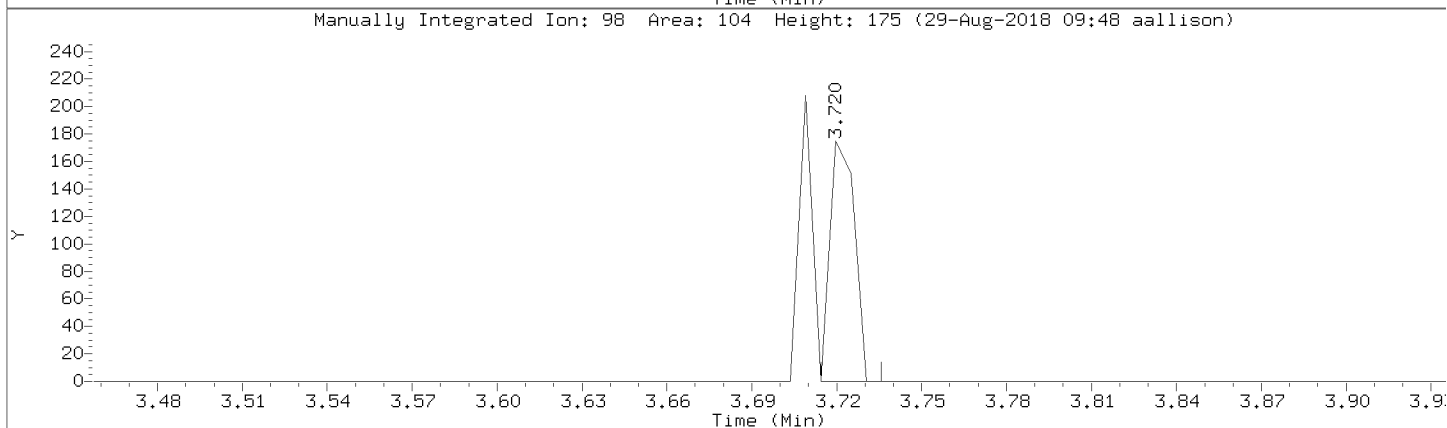
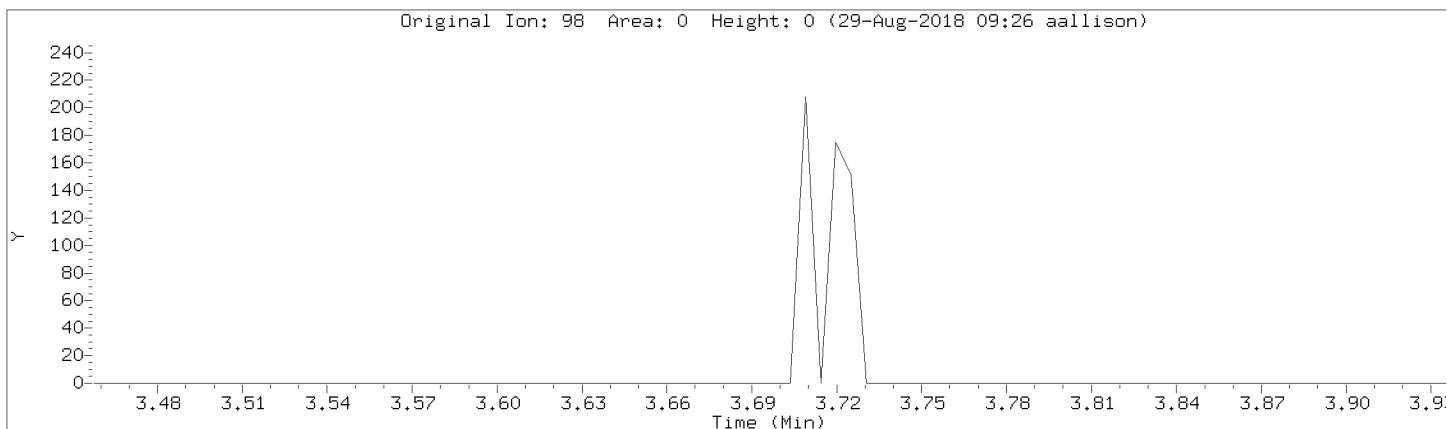


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Compound: 1,2-Dichloroethane Review Code: NI
CAS Number: 107-06-2

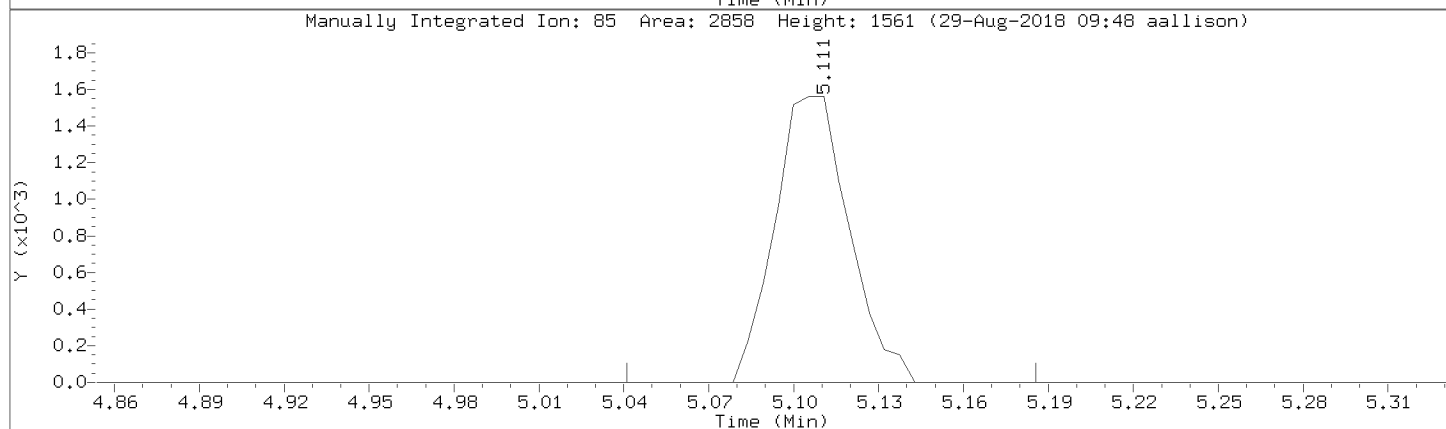
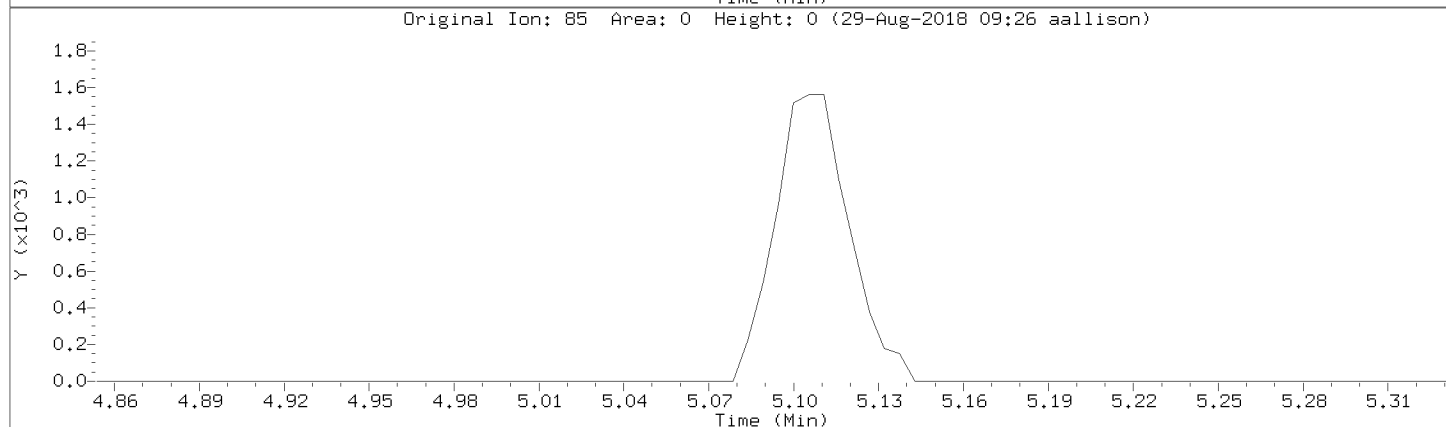
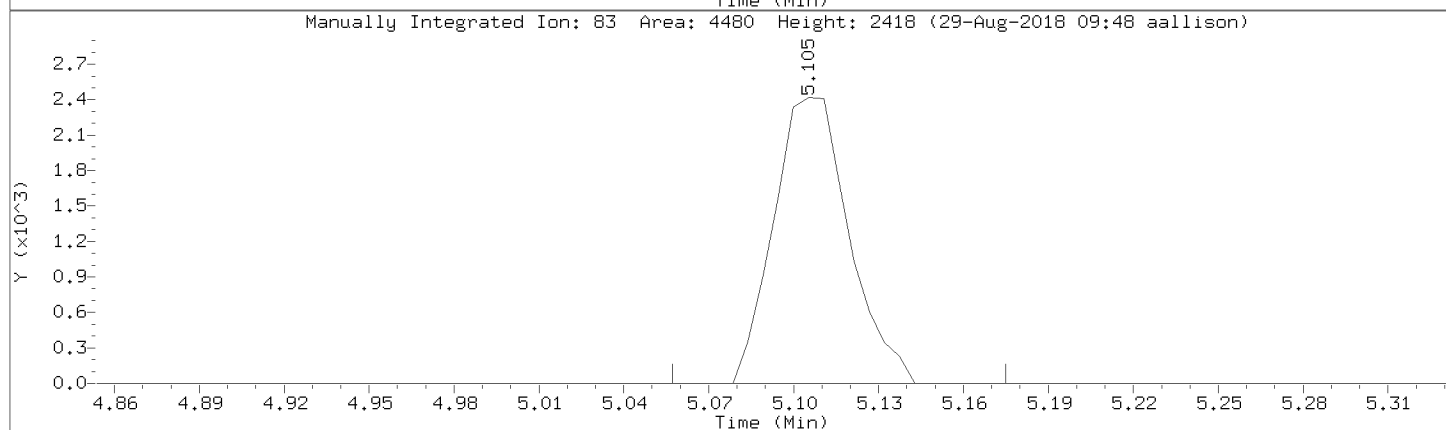
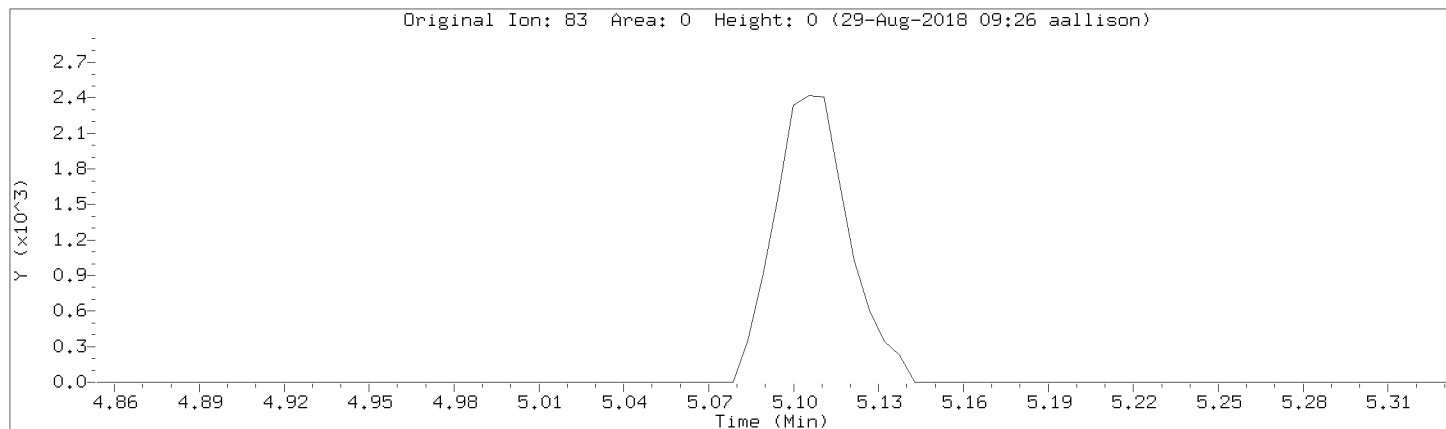


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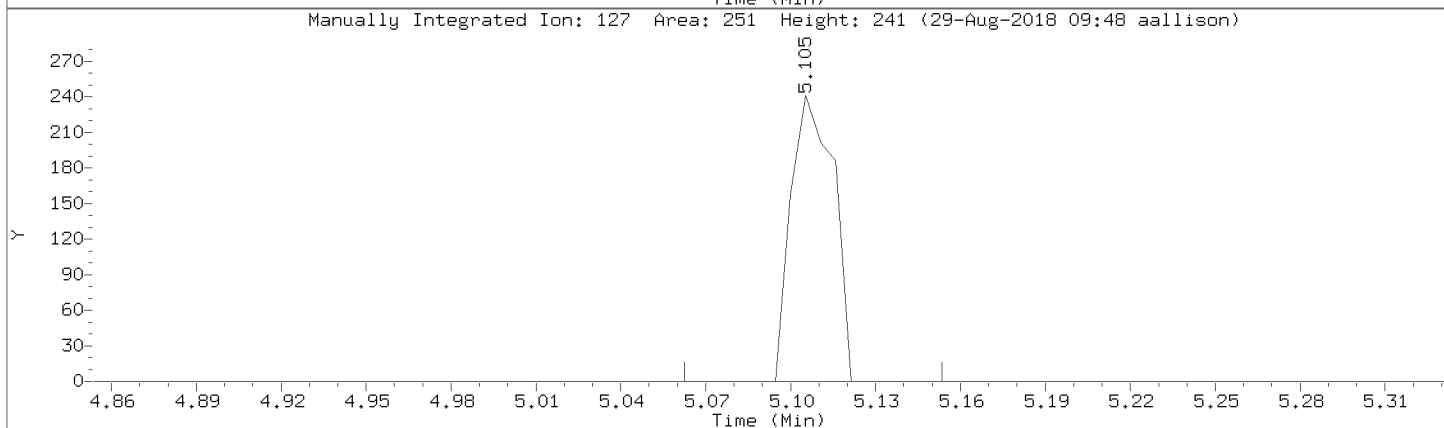
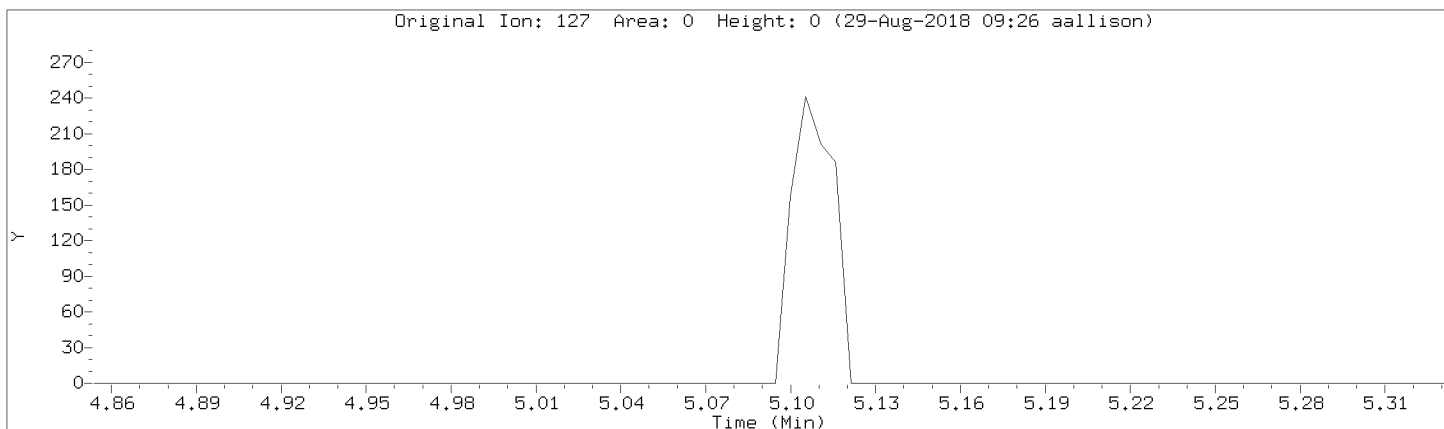


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Compound: Bromodichloromethane Review Code: NI
CAS Number: 75-27-4

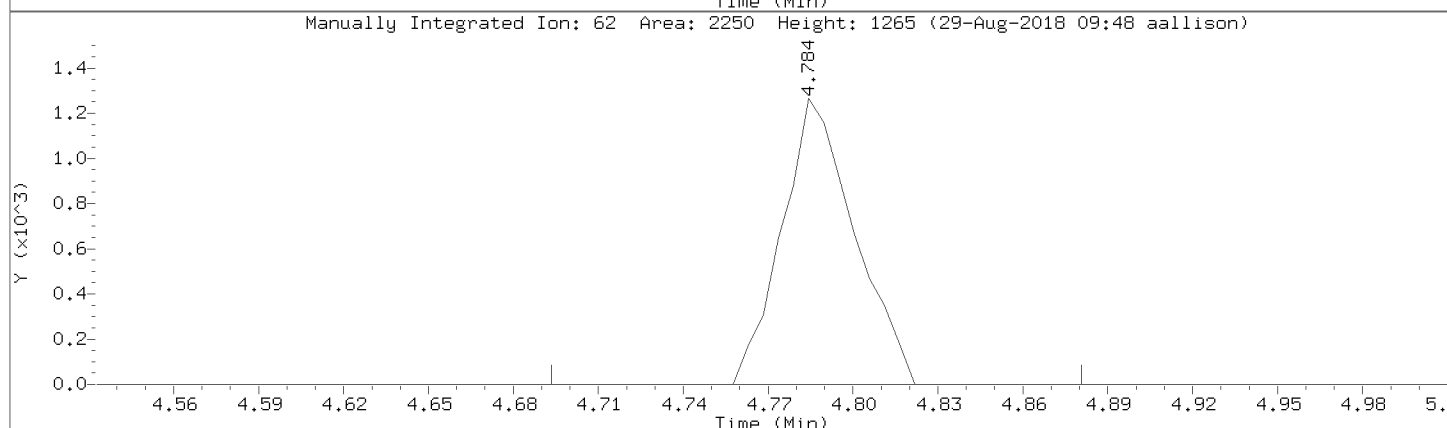
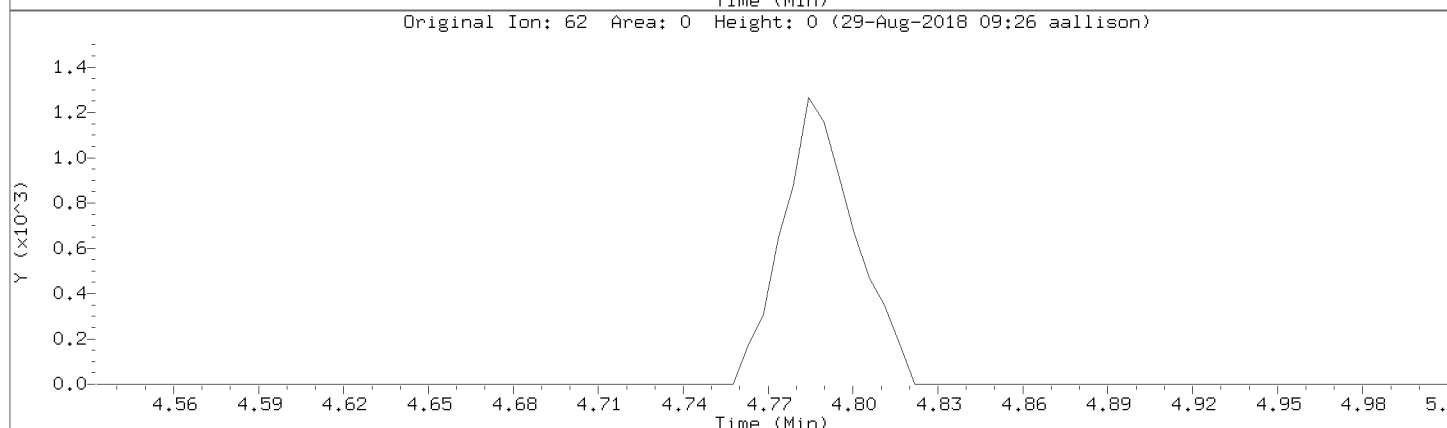
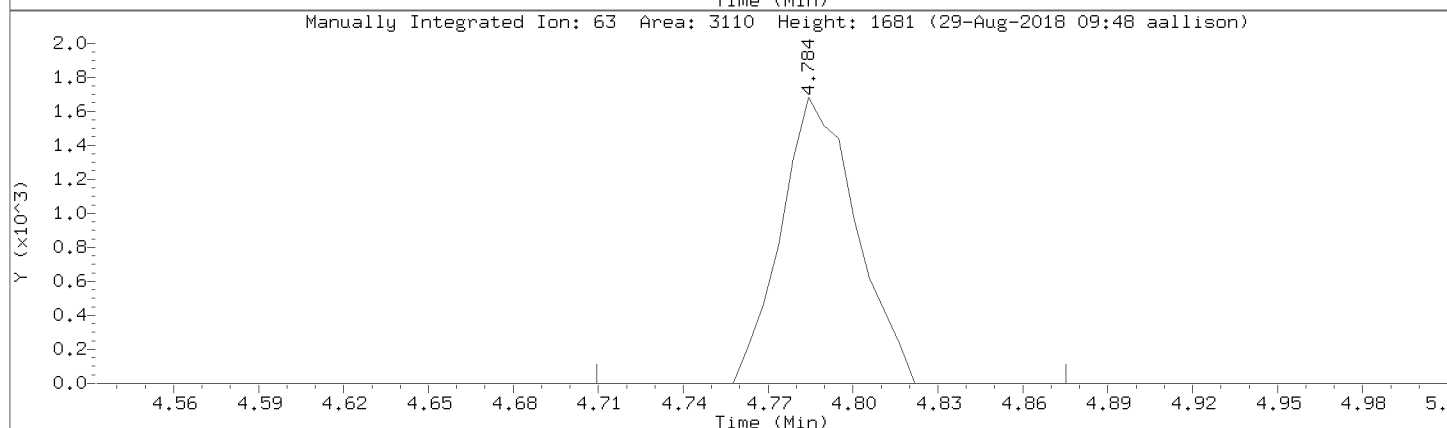
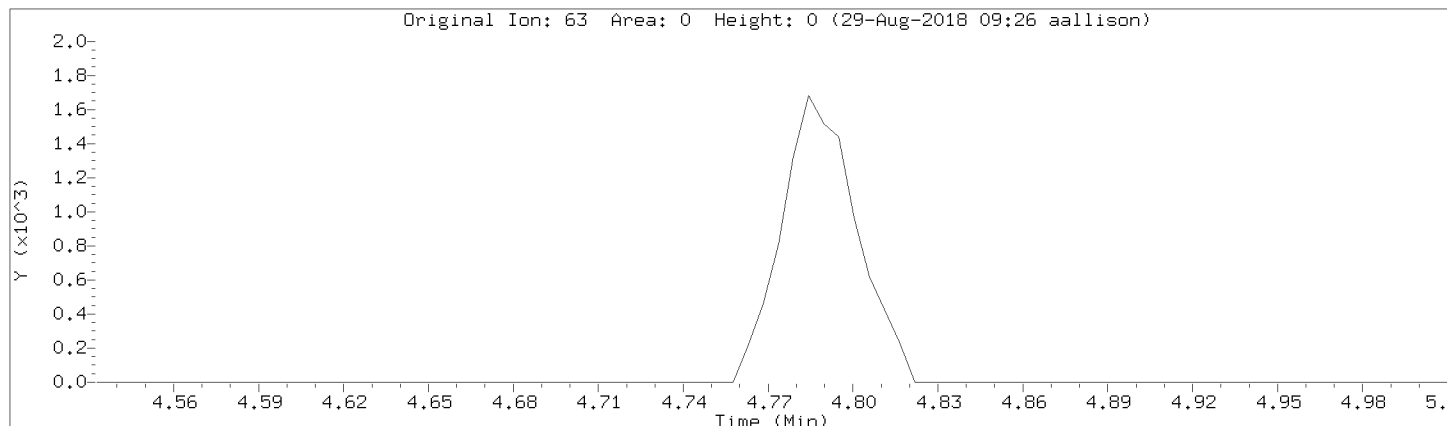


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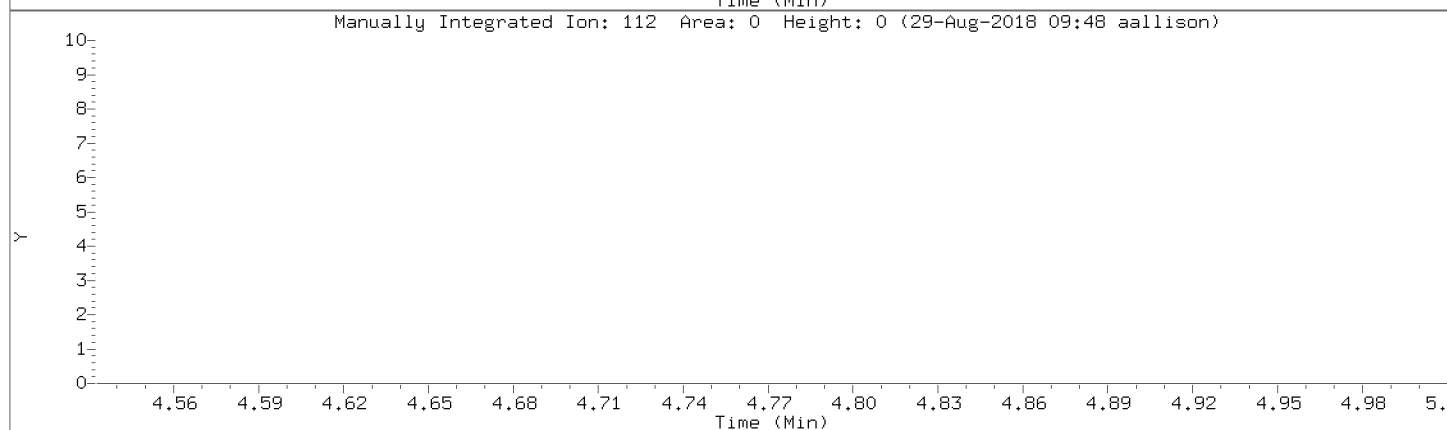
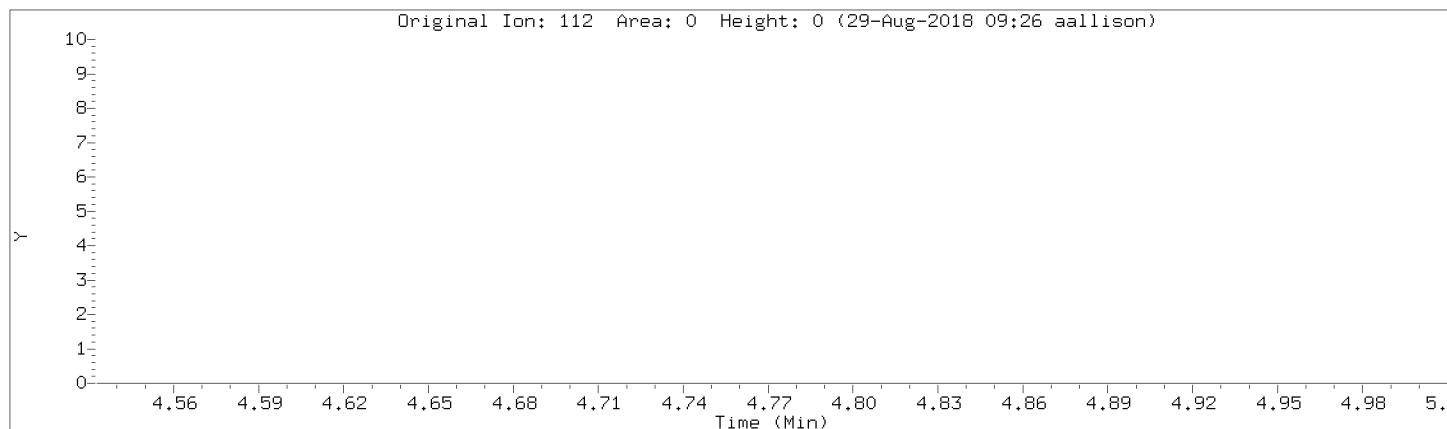


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Lab Sample ID: 8260-CAL3

Compound: 1,2-Dichloropropane Review Code: NI
CAS Number: 78-87-5

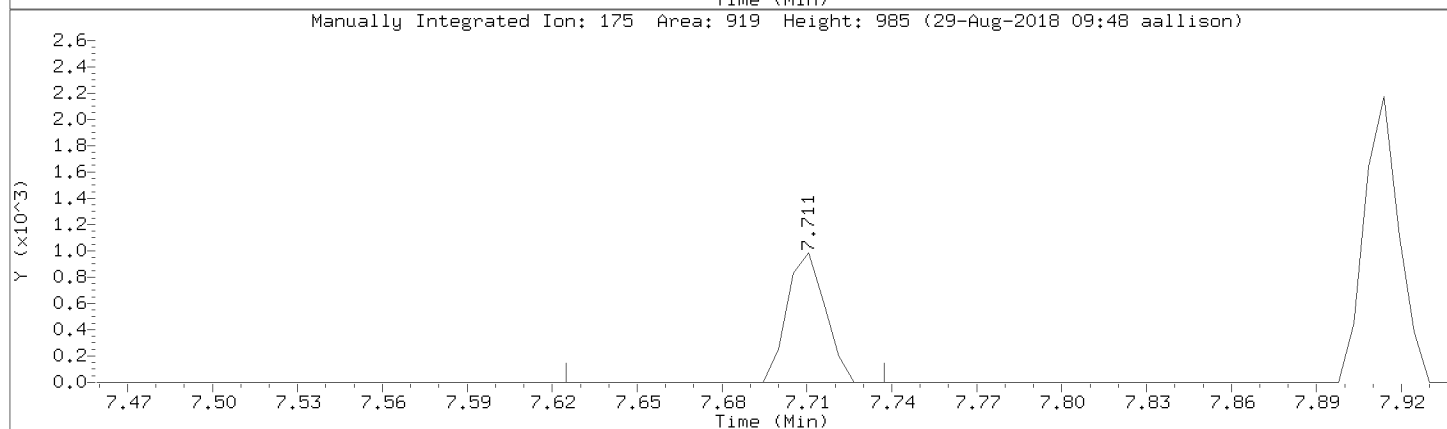
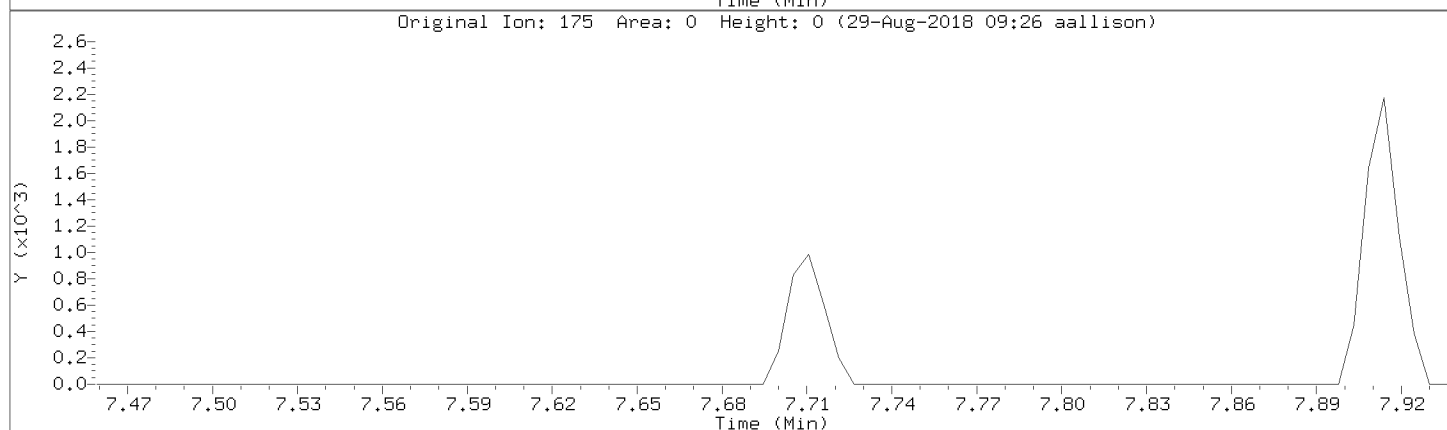
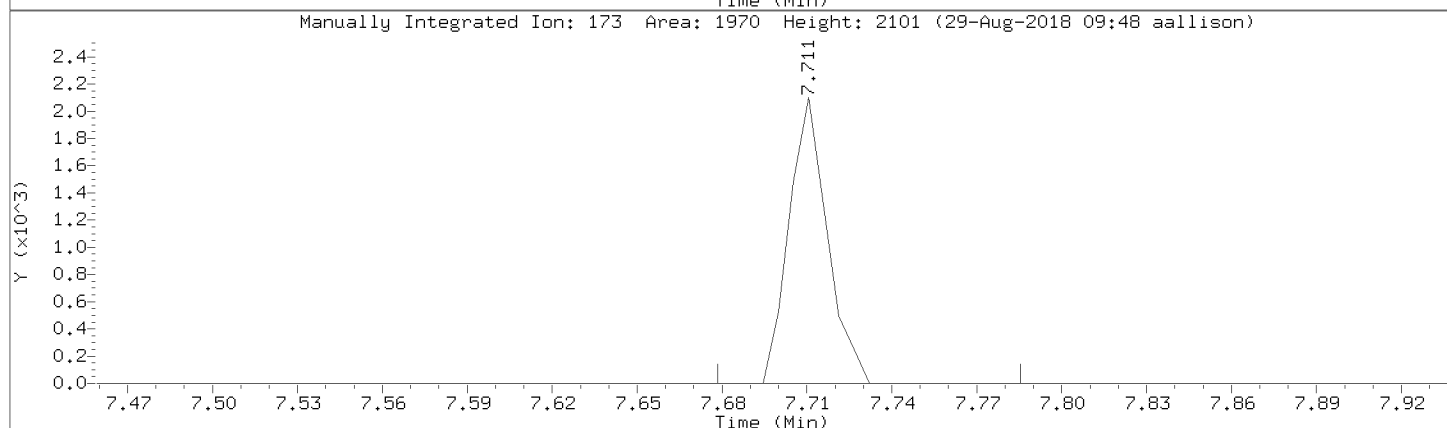
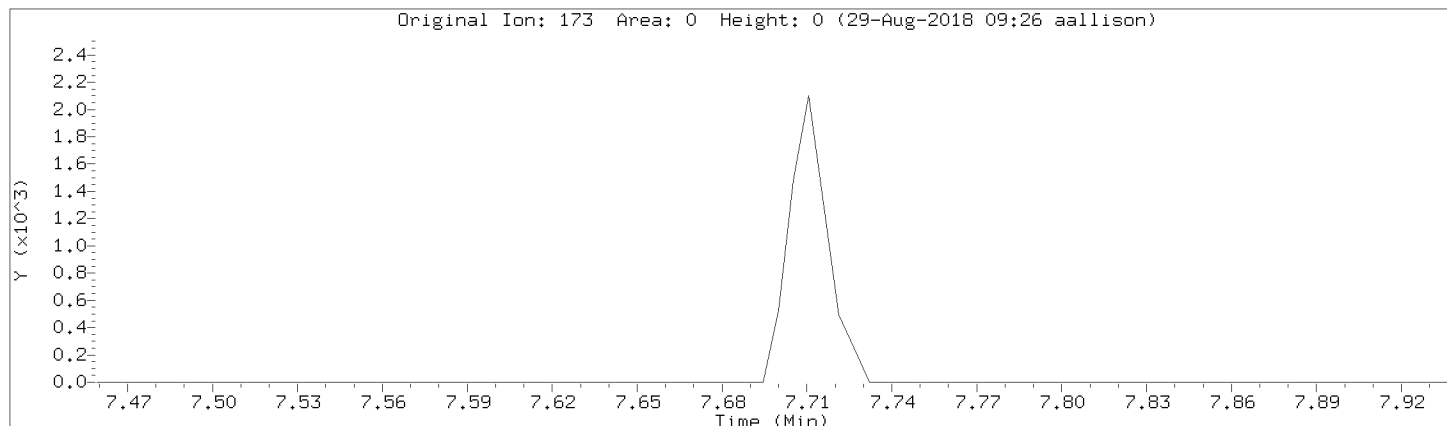


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Lab Sample ID: 8260-CAL3

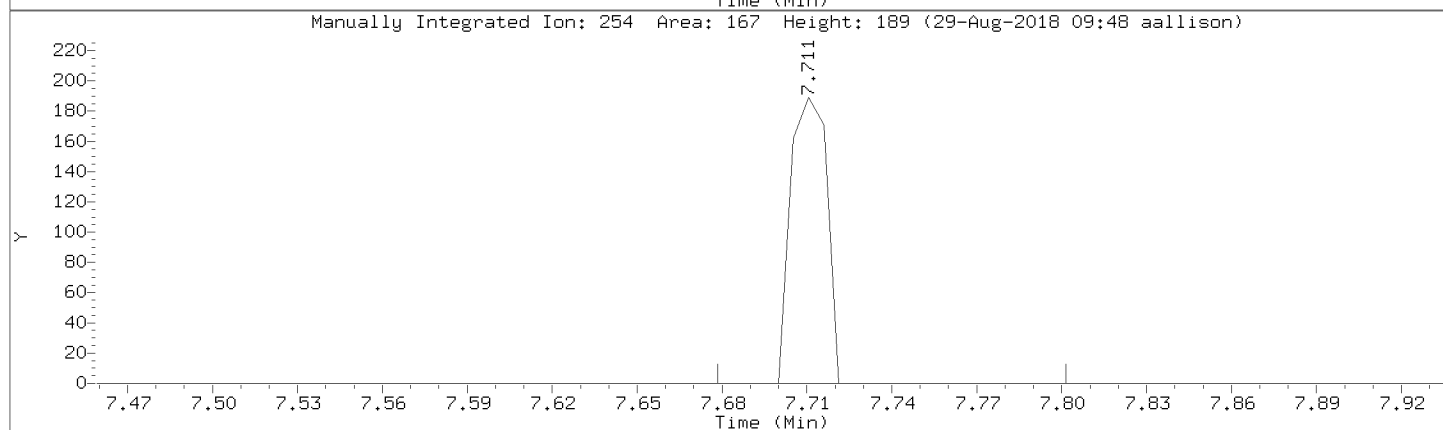
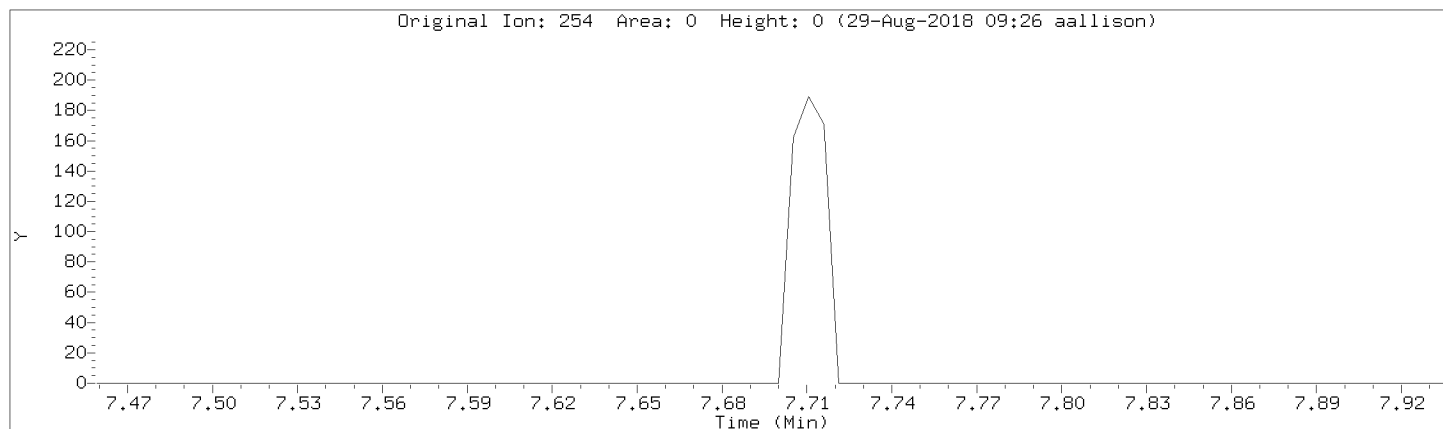


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Compound: Bromoform Review Code: NI
CAS Number: 75-25-2

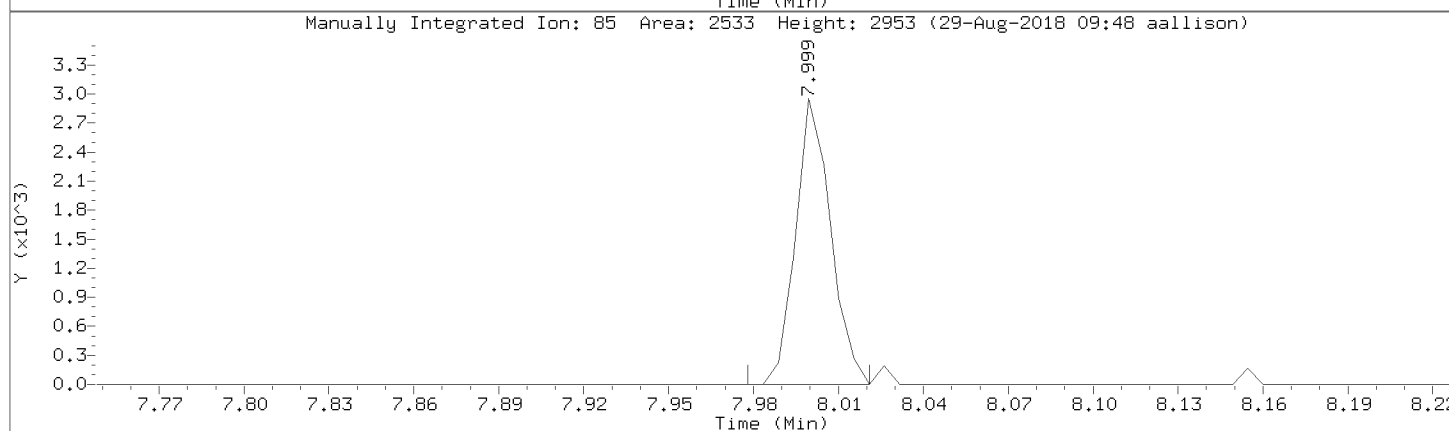
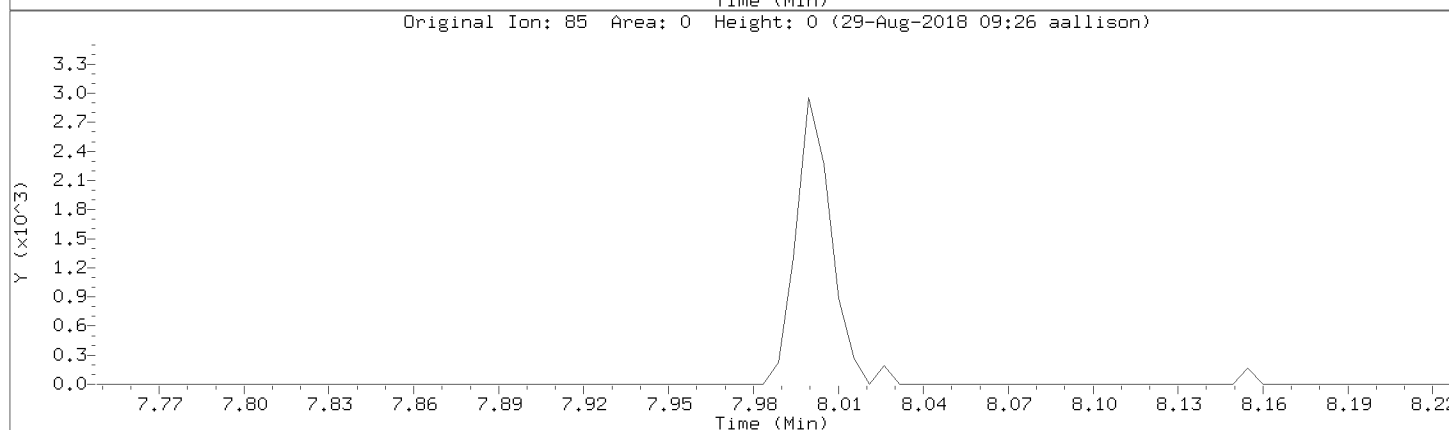
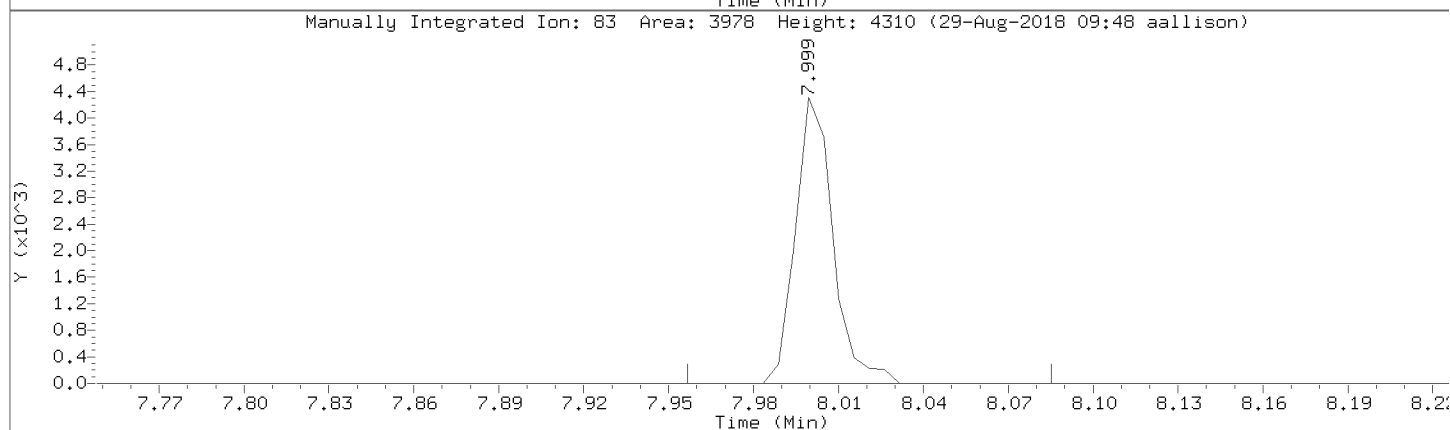
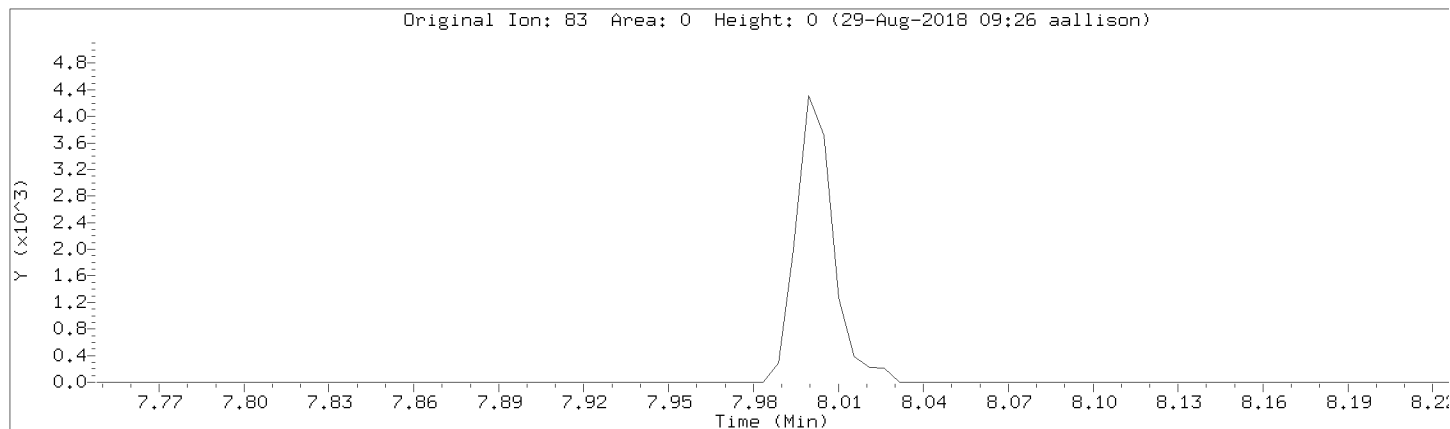


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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL3



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Lab Sample ID: 8260-CAL3

Compound: 1,1,2,2-Tetrachloroethane Review Code: NI
CAS Number: 79-34-5

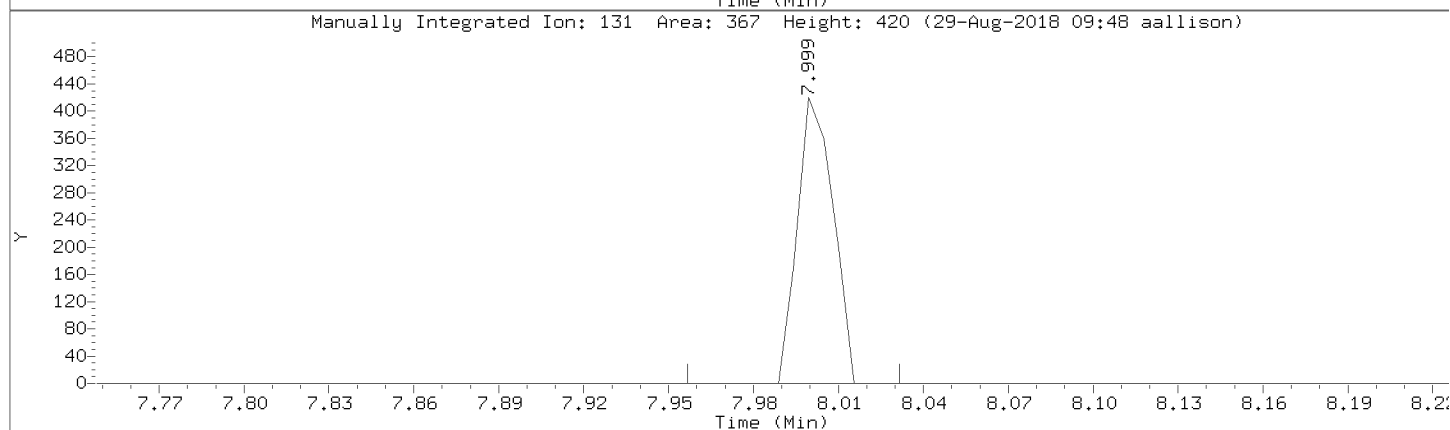
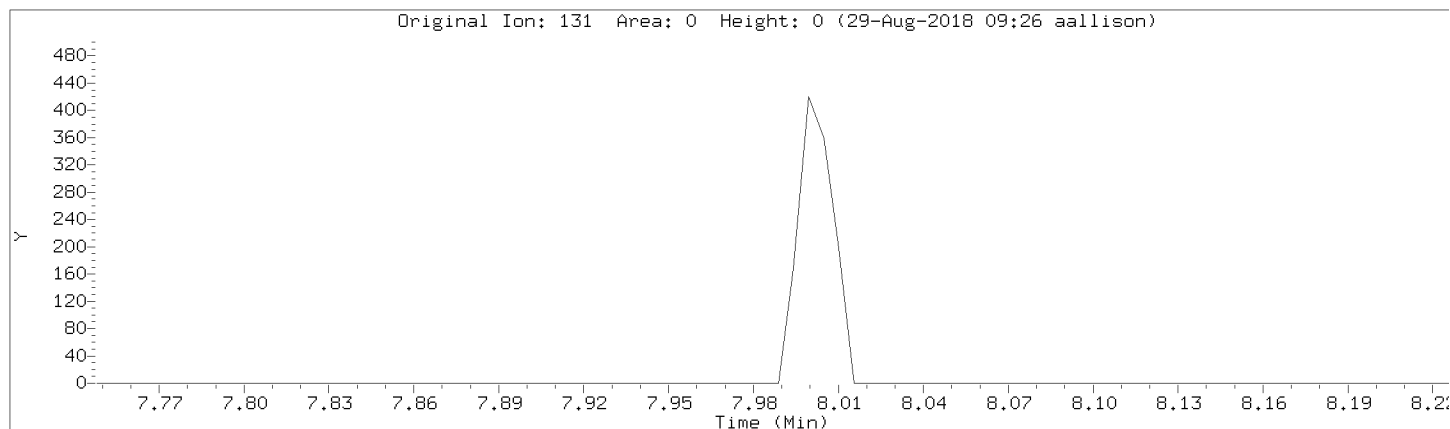


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Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL3



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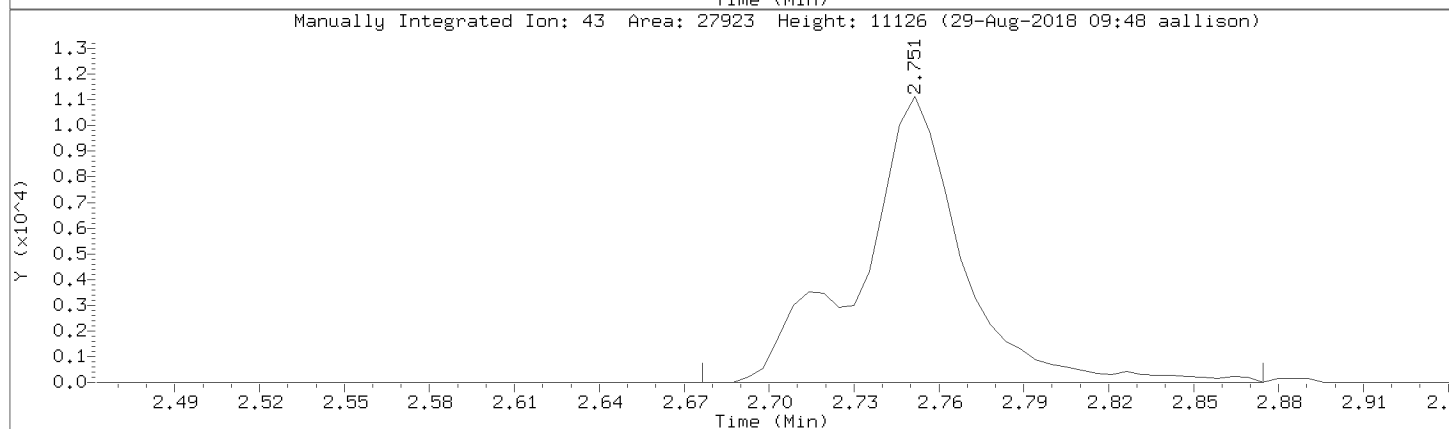
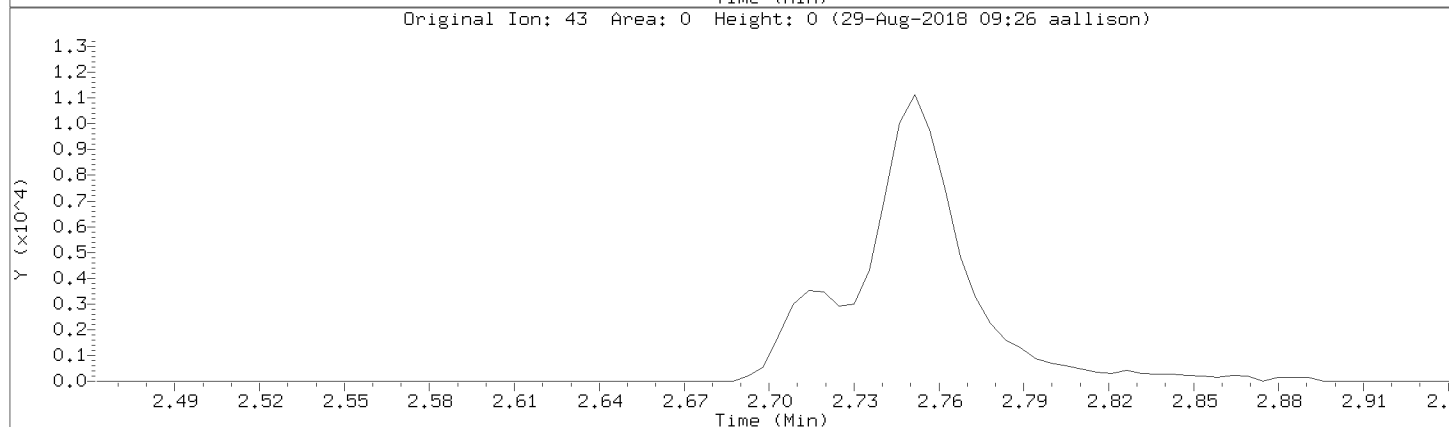
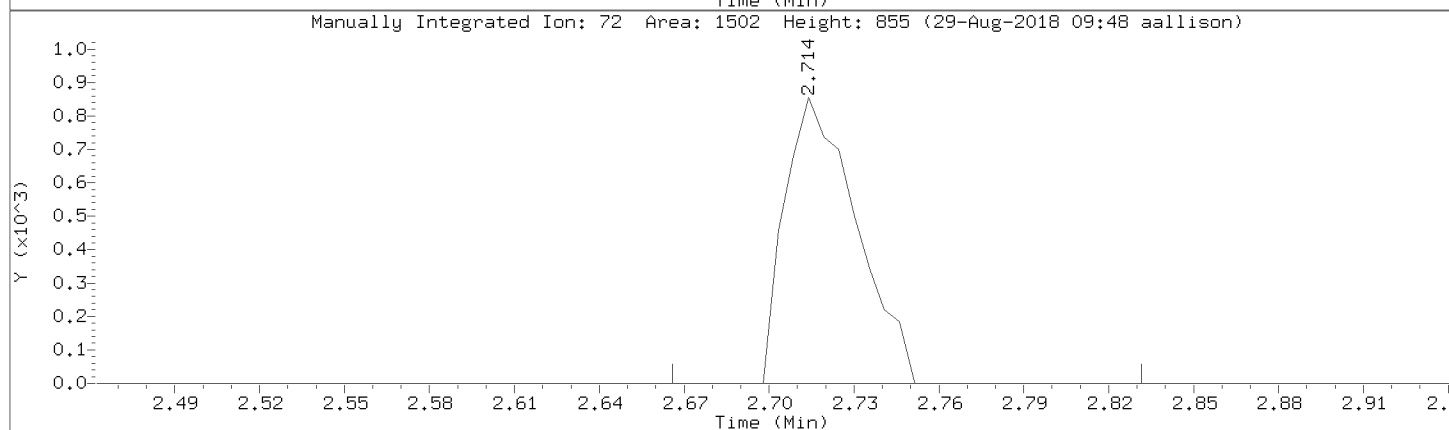
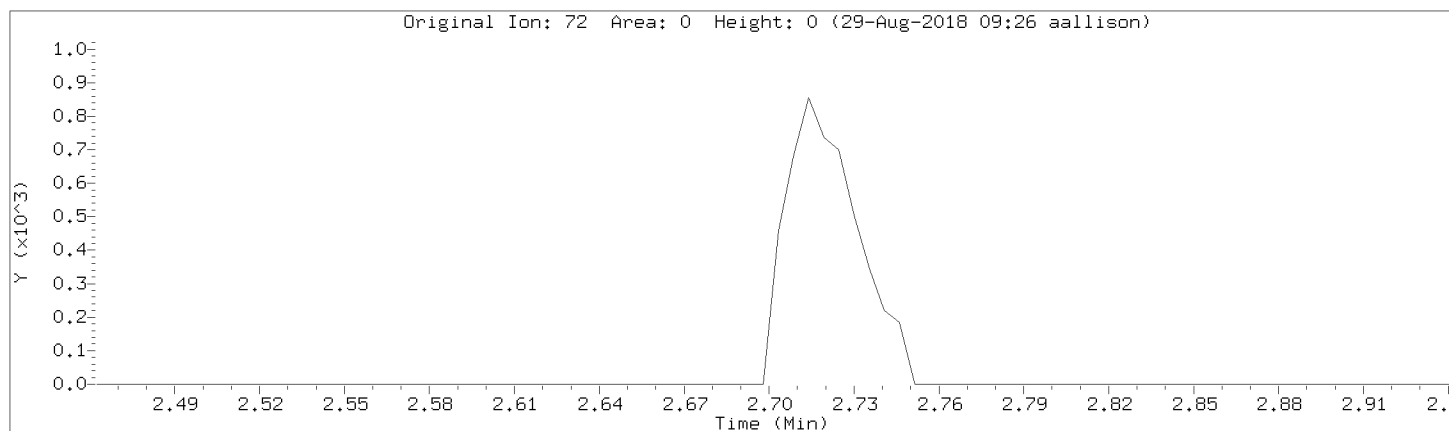
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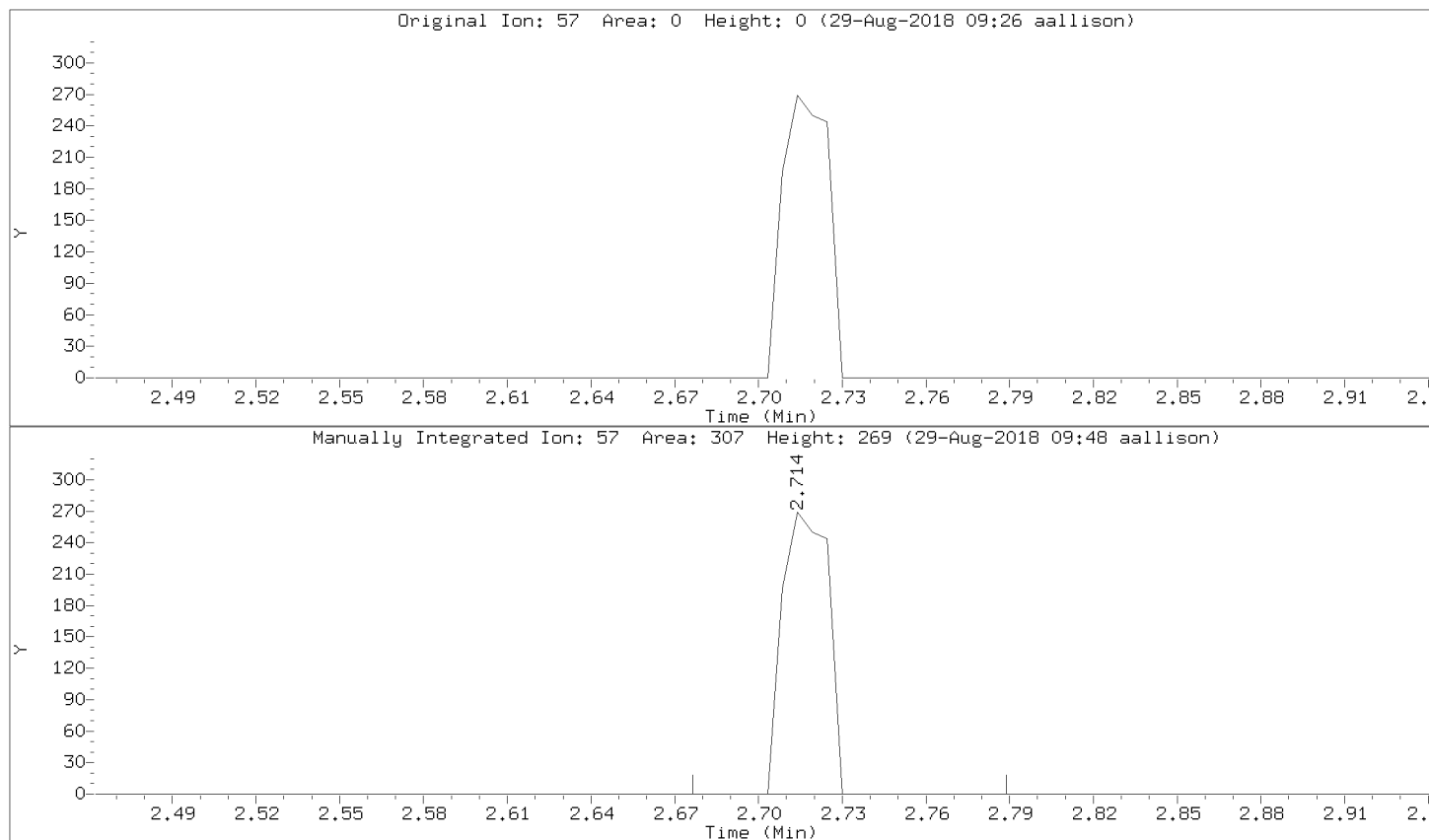
Compound: 2-Butanone

Review Code: NI

CAS Number: 78-93-3

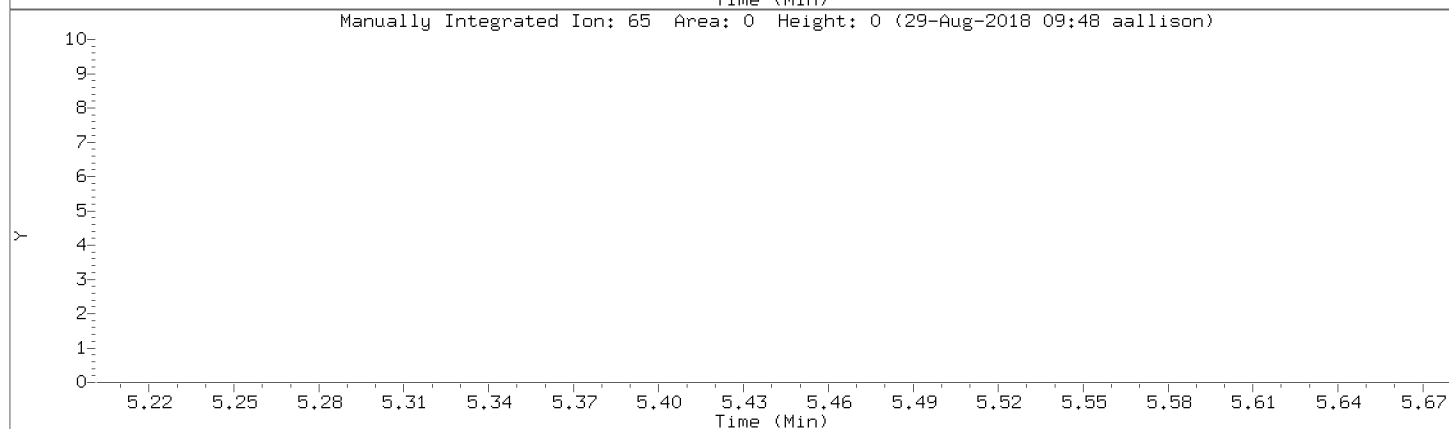
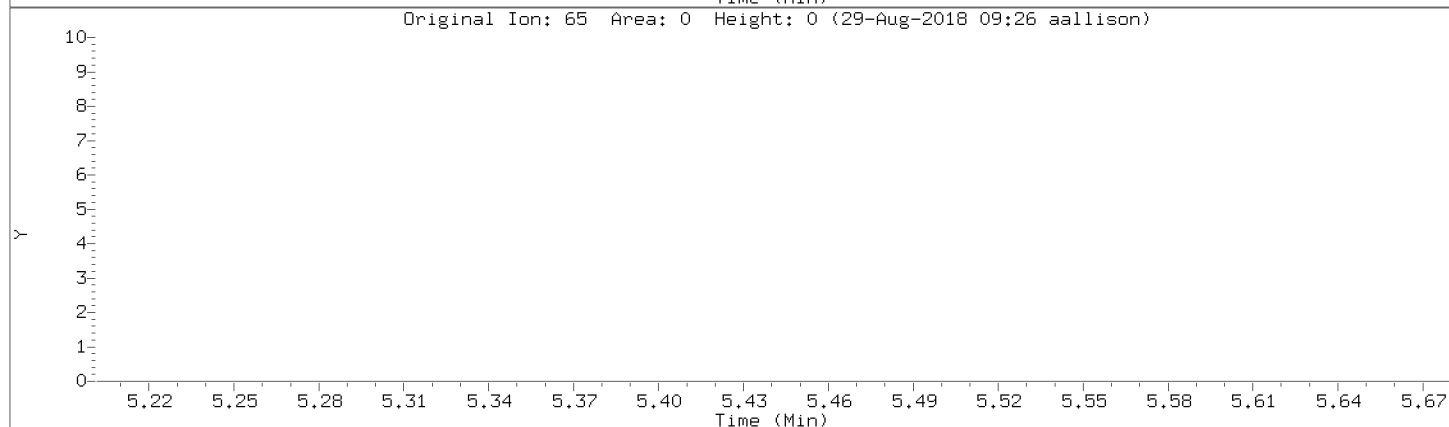
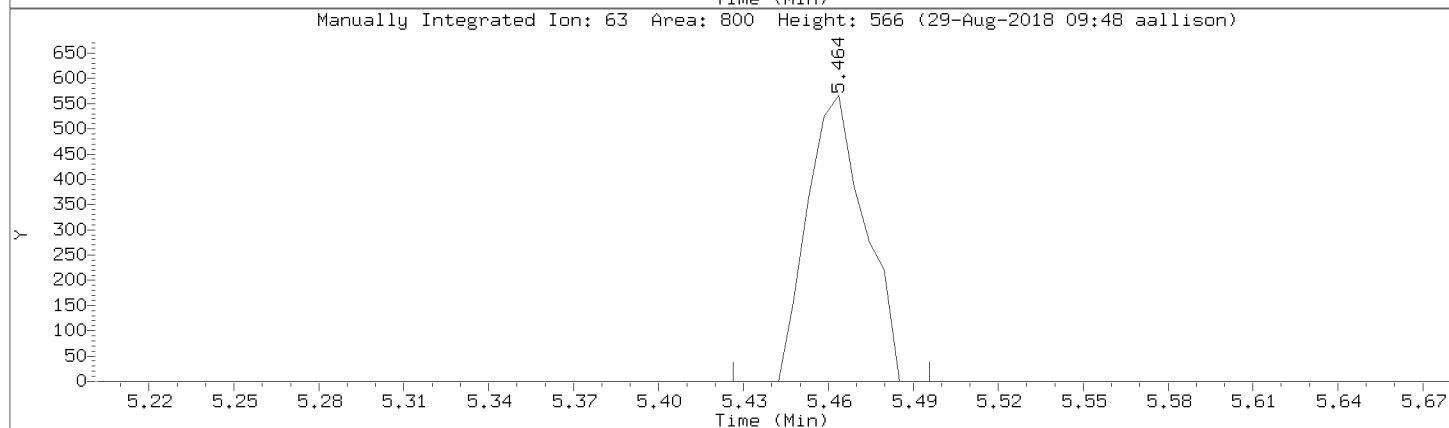
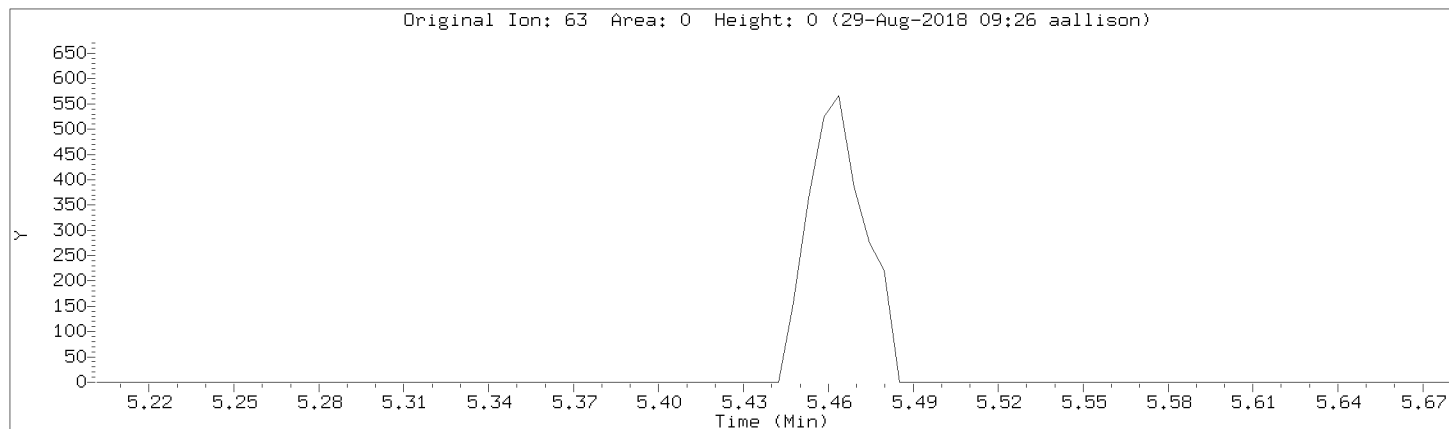


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Injection Date: 28-AUG-2018 15:37
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL3



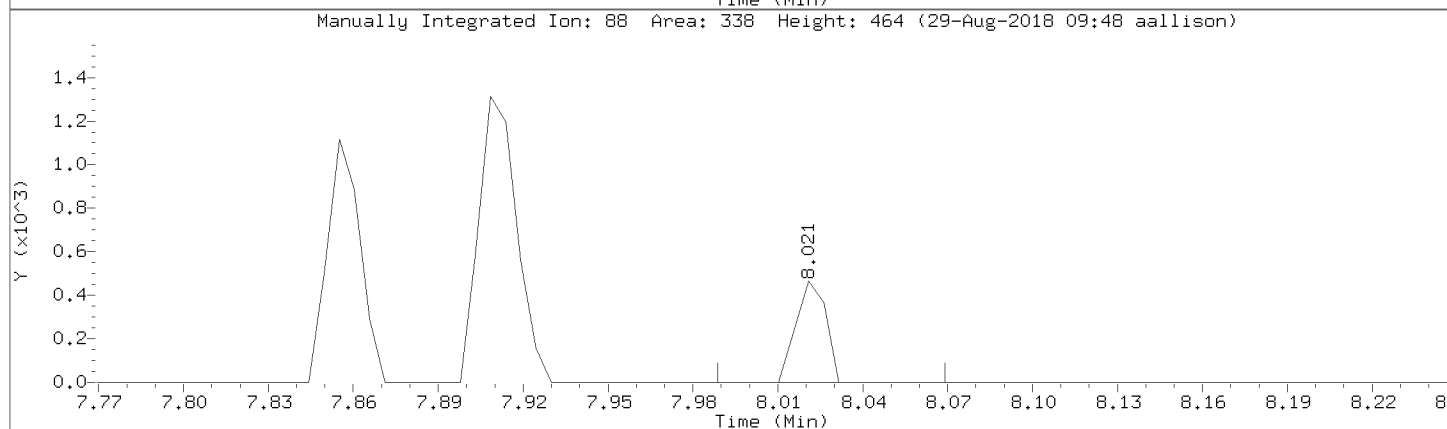
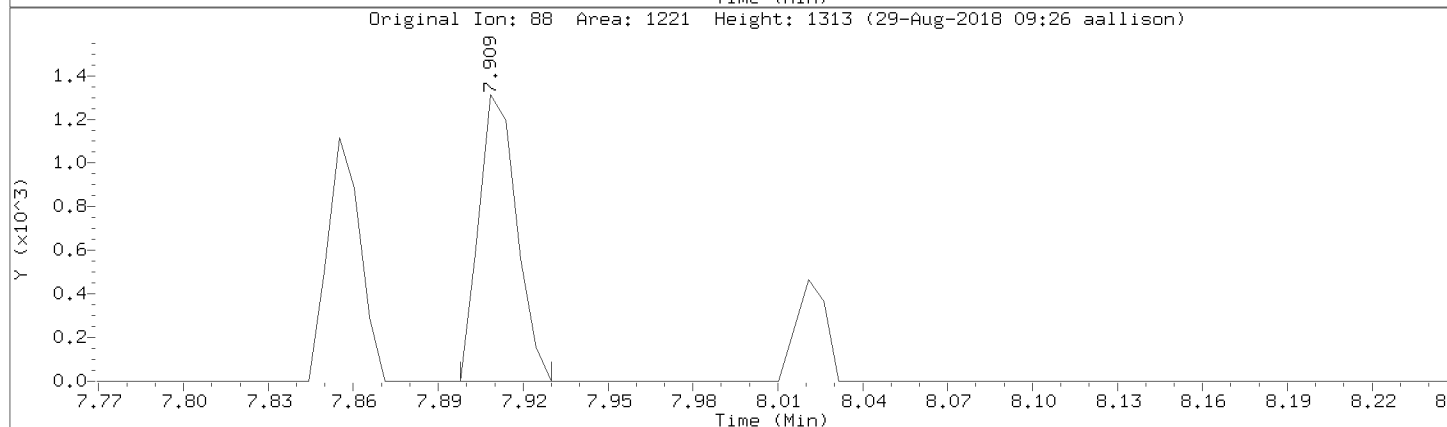
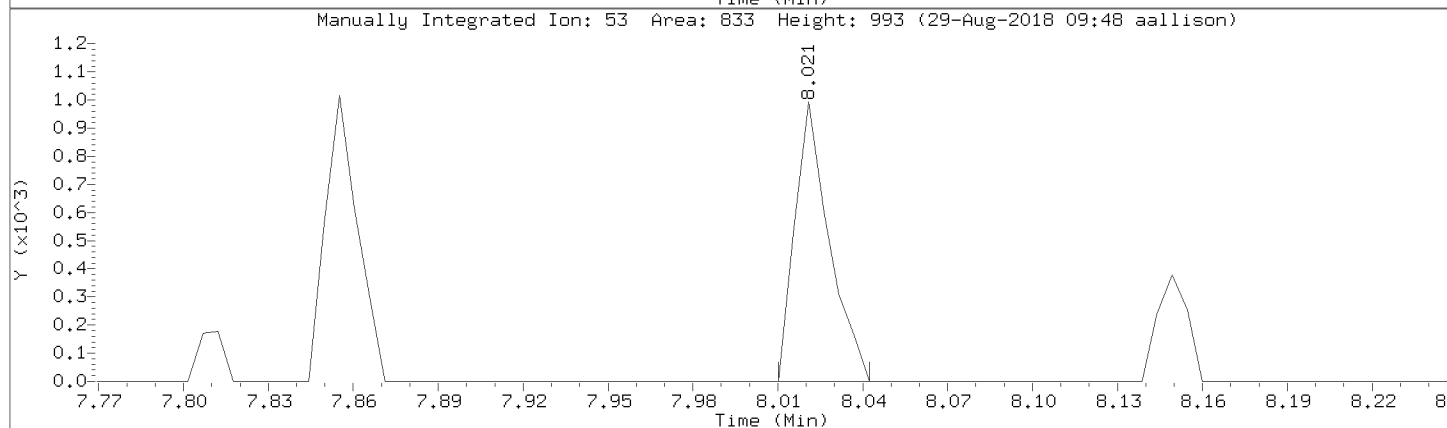
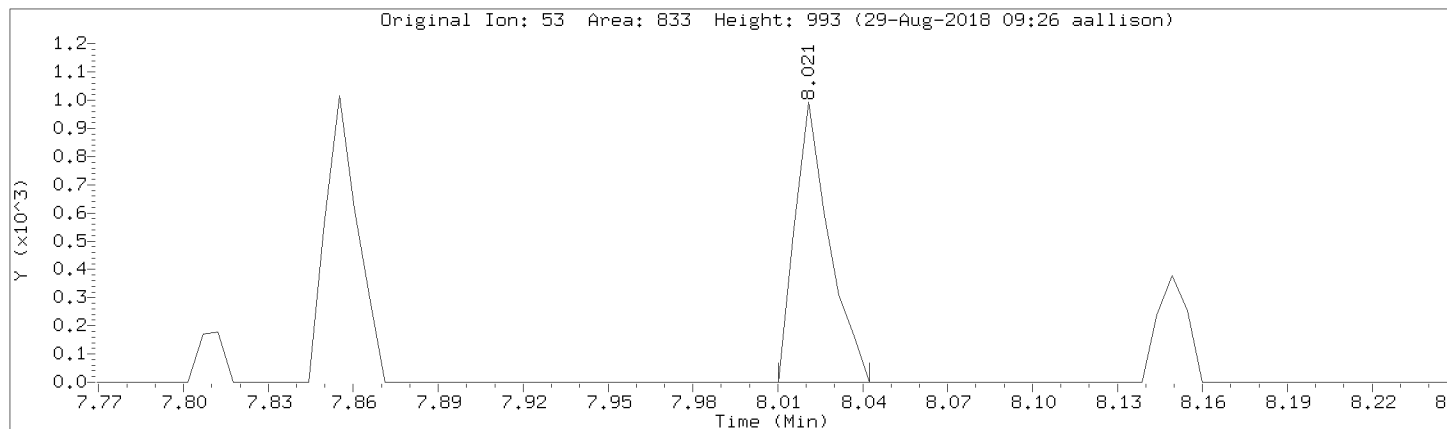
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Injection Date: 28-AUG-2018 15:37
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL3

Compound: 2-Chloroethyl vinyl ether Review Code: NI
CAS Number: 110-75-8

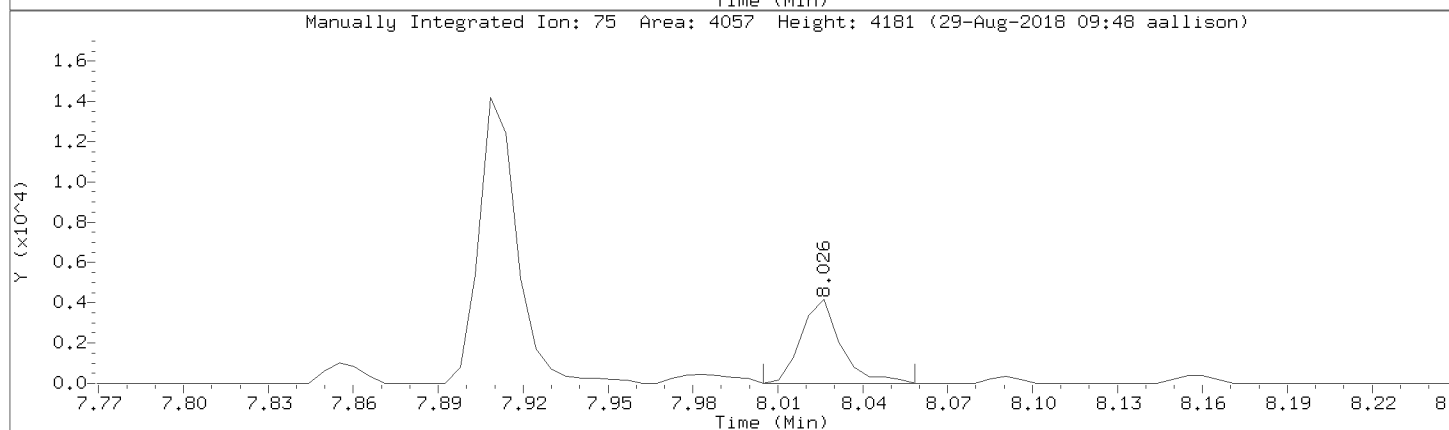
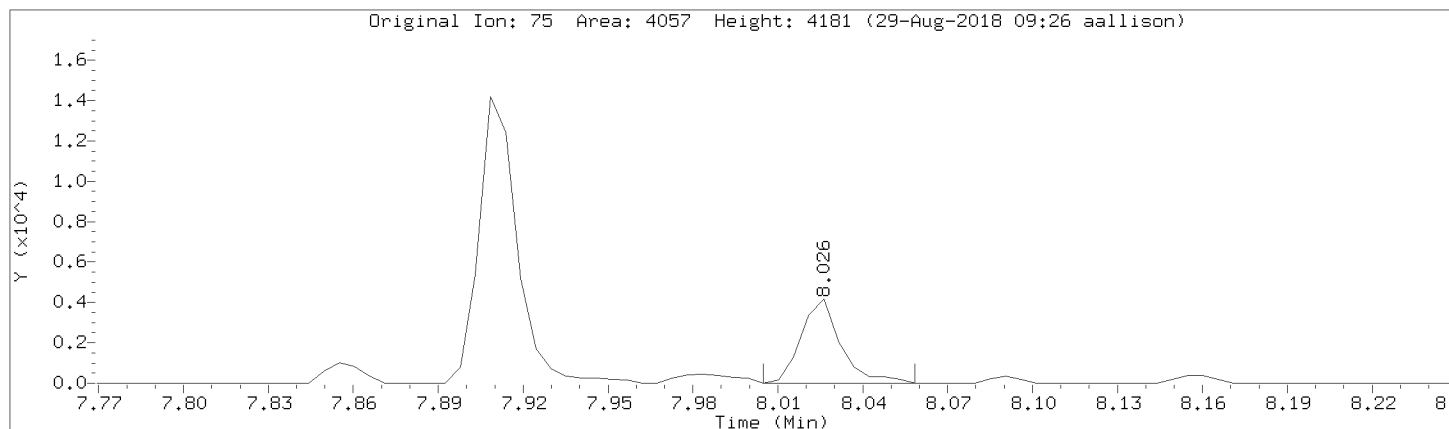


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Injection Date: 28-AUG-2018 15:37
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL3

Compound: trans-1,4-Dichloro-2-butene Review Code: WP
CAS Number:

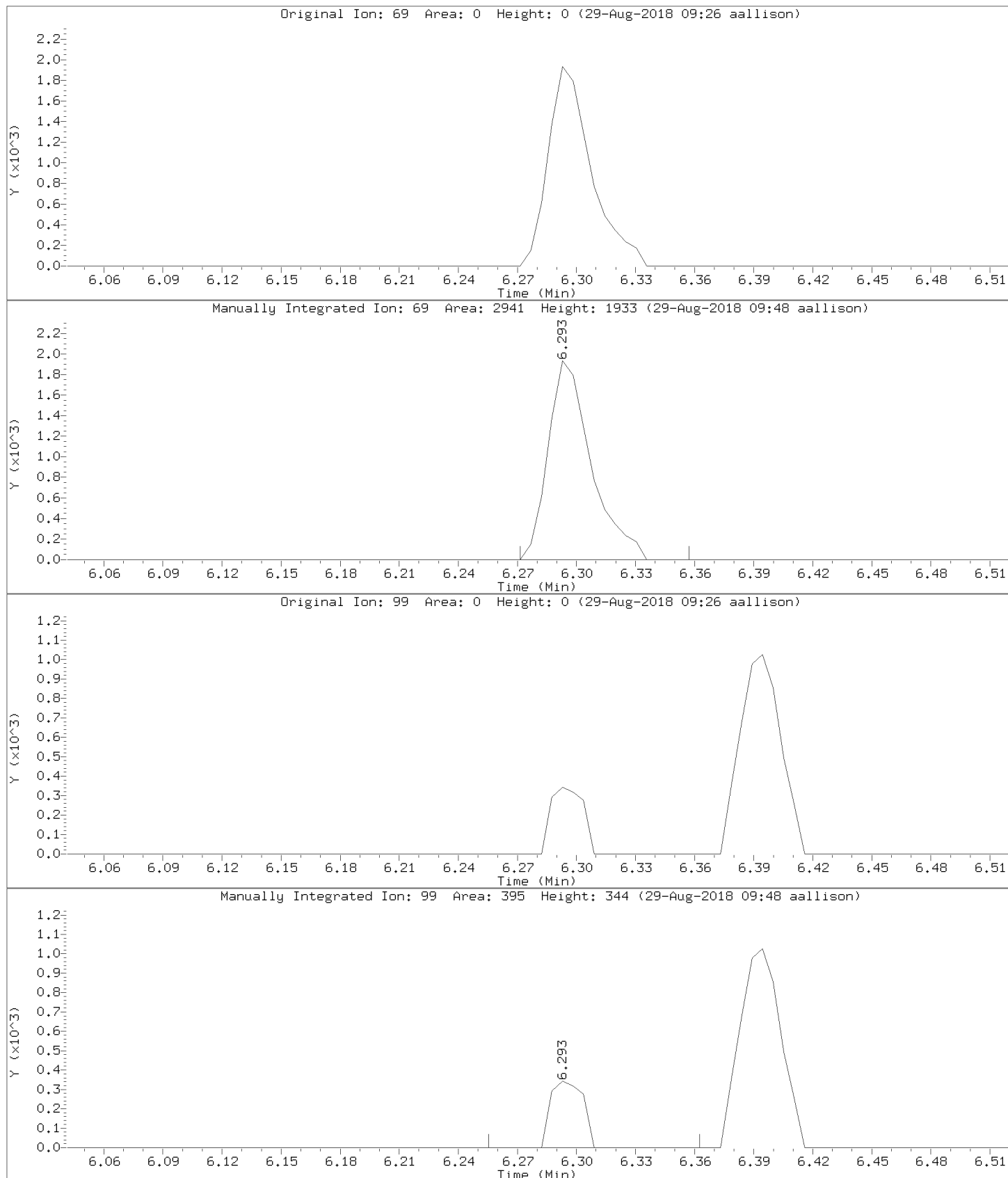


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Lab Sample ID: 8260-CAL3

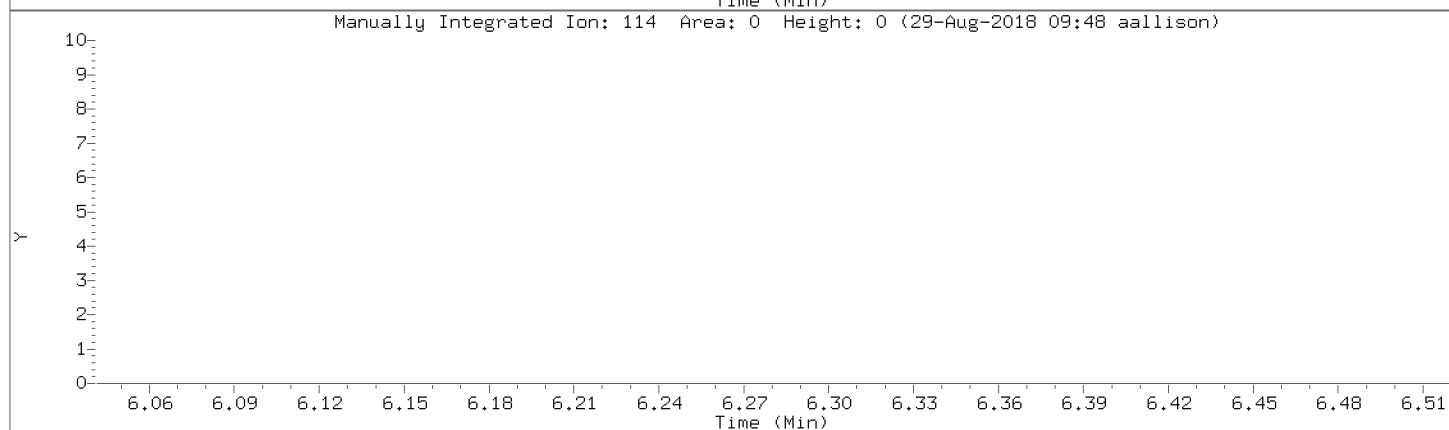
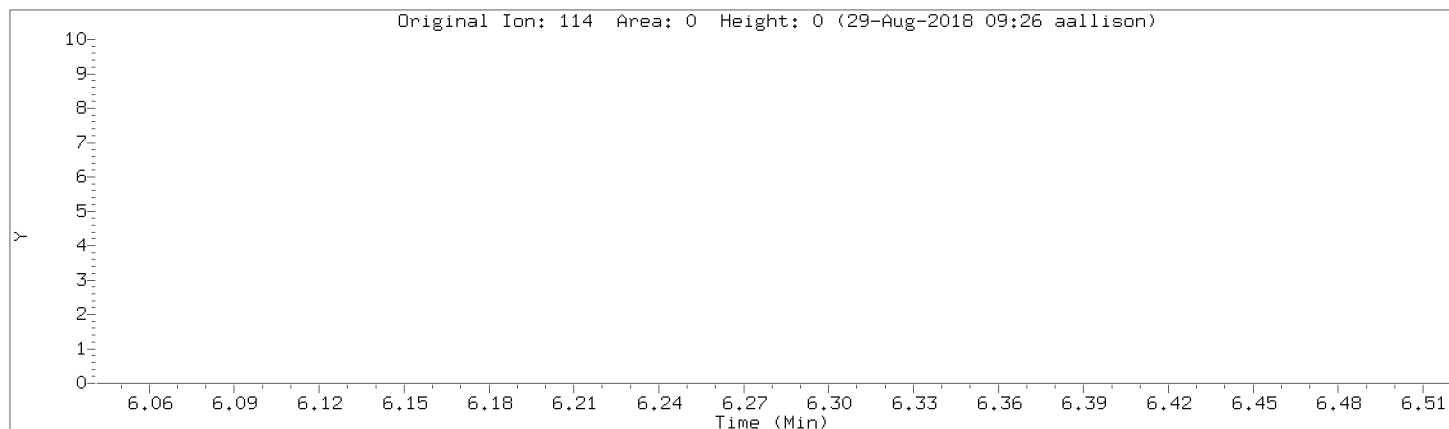


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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL3

Compound: Ethyl Methacrylate Review Code: NI
CAS Number:



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Injection Date: 28-AUG-2018 15:37
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL3



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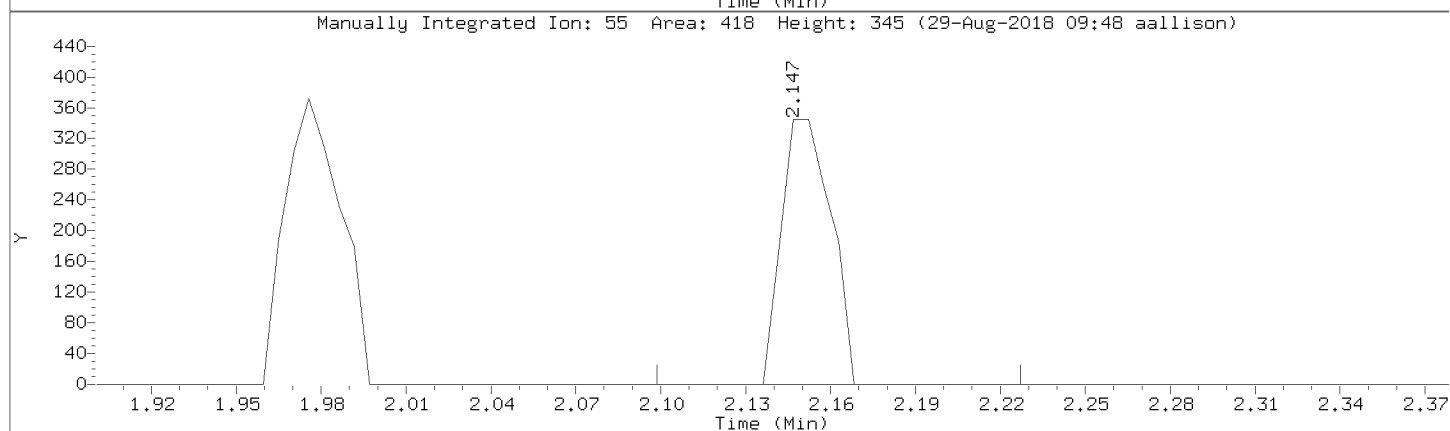
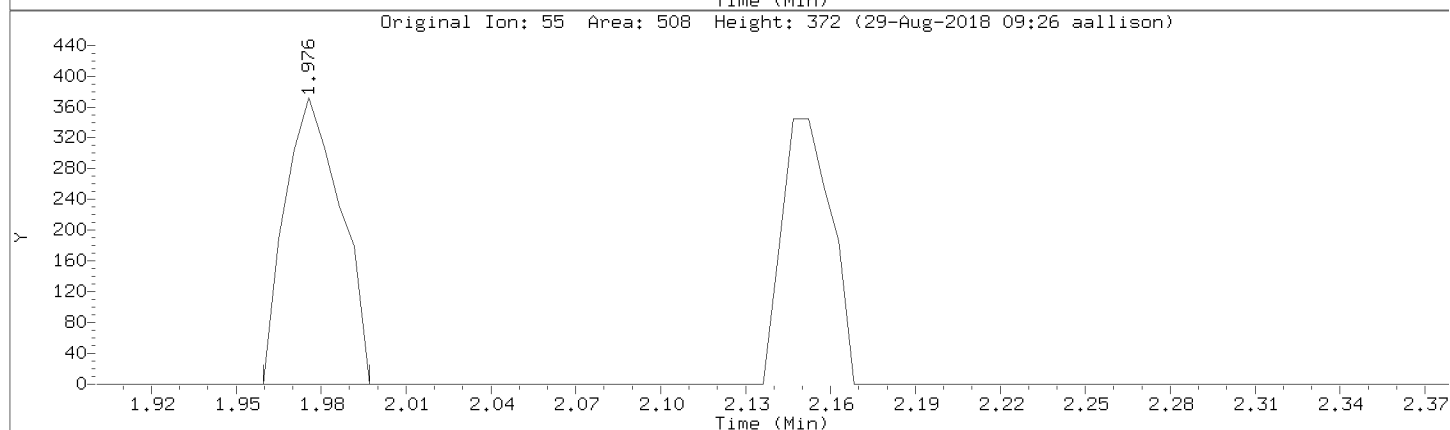
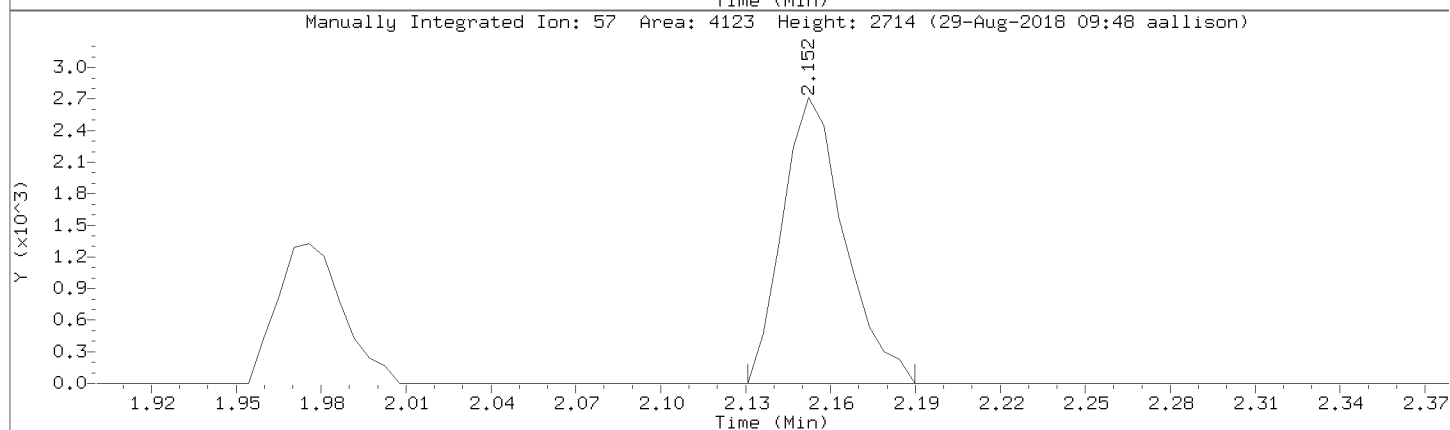
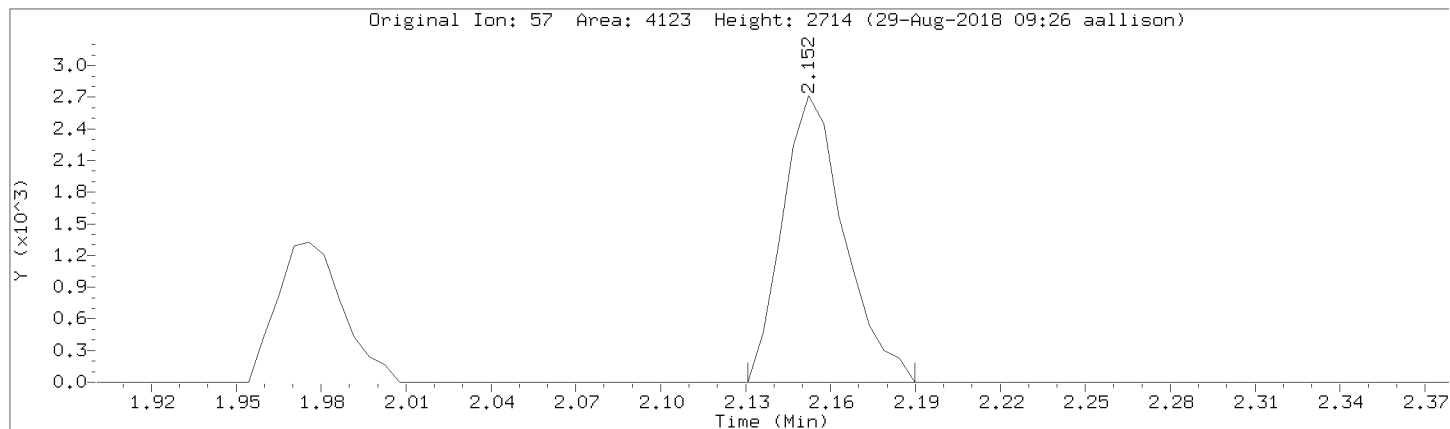
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Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL3

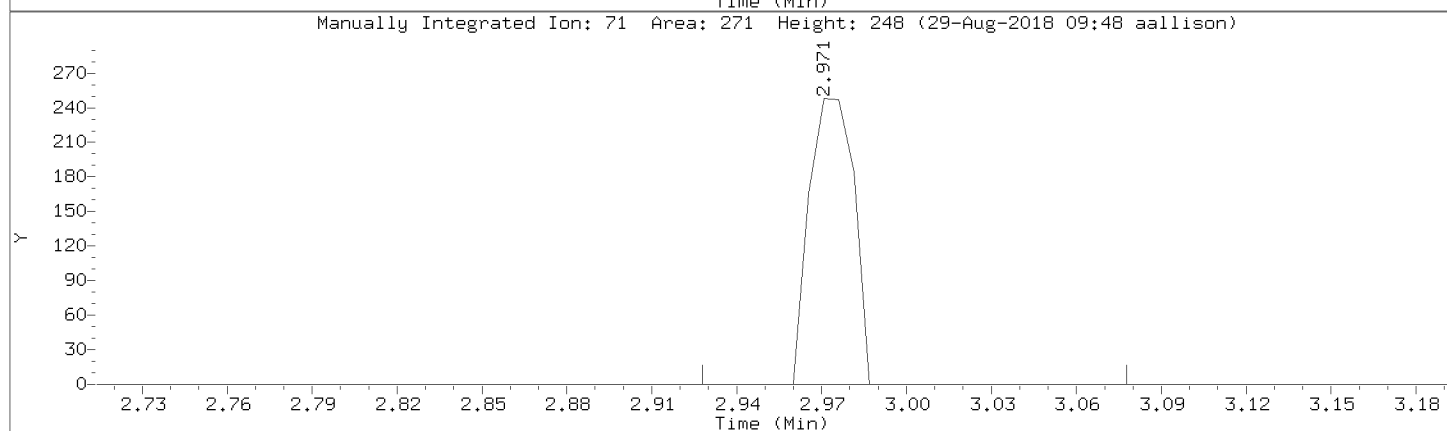
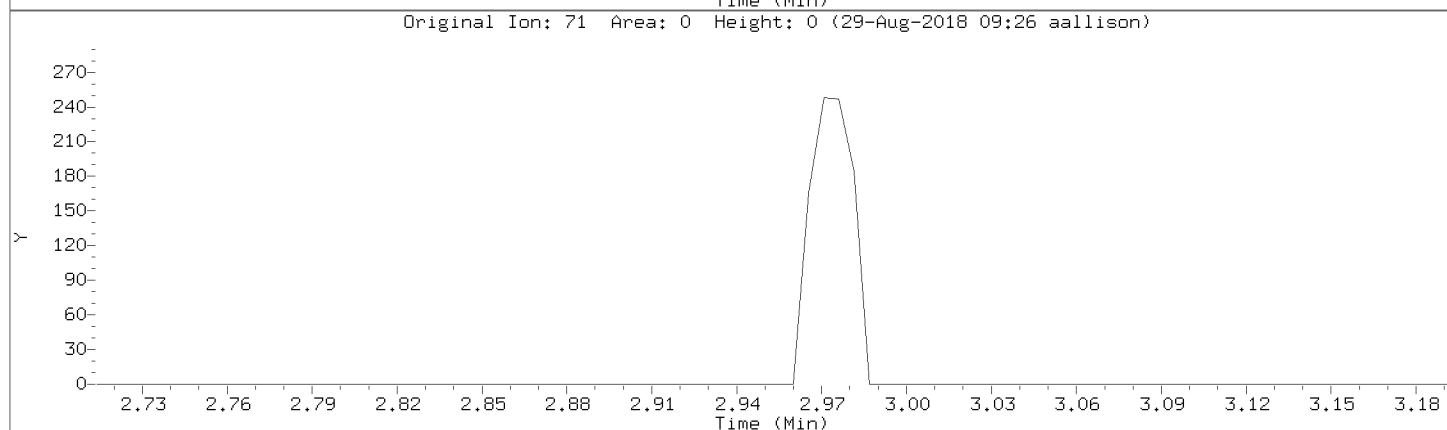
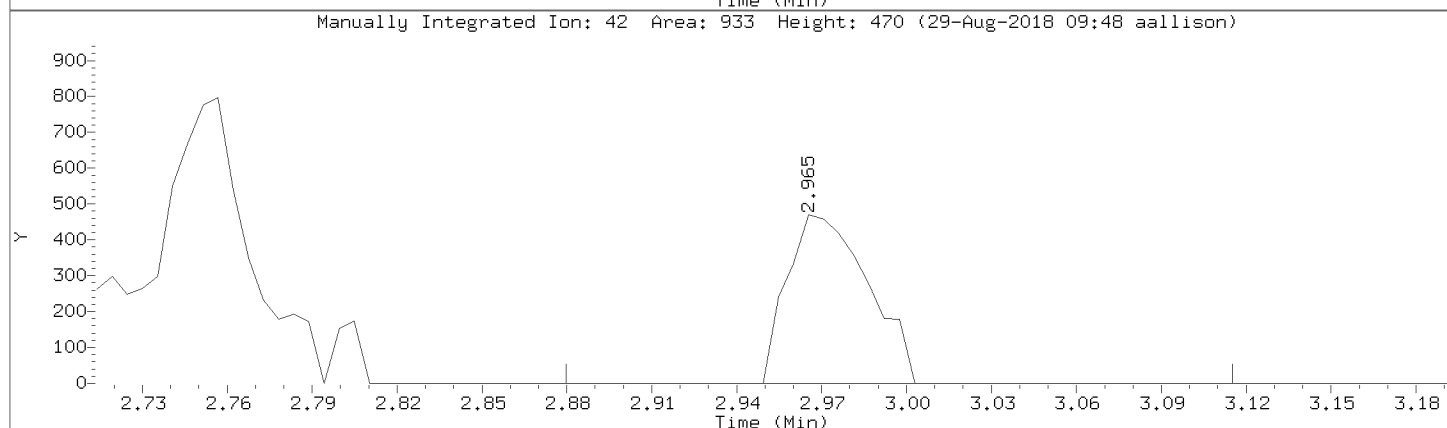
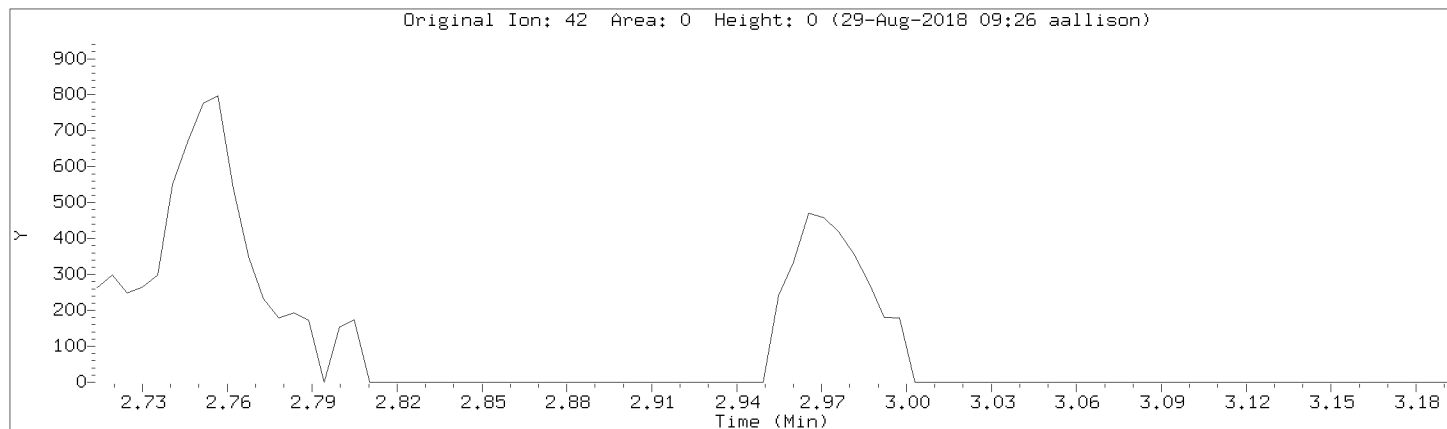
Compound: n-Hexane Review Code: WP

CAS Number:

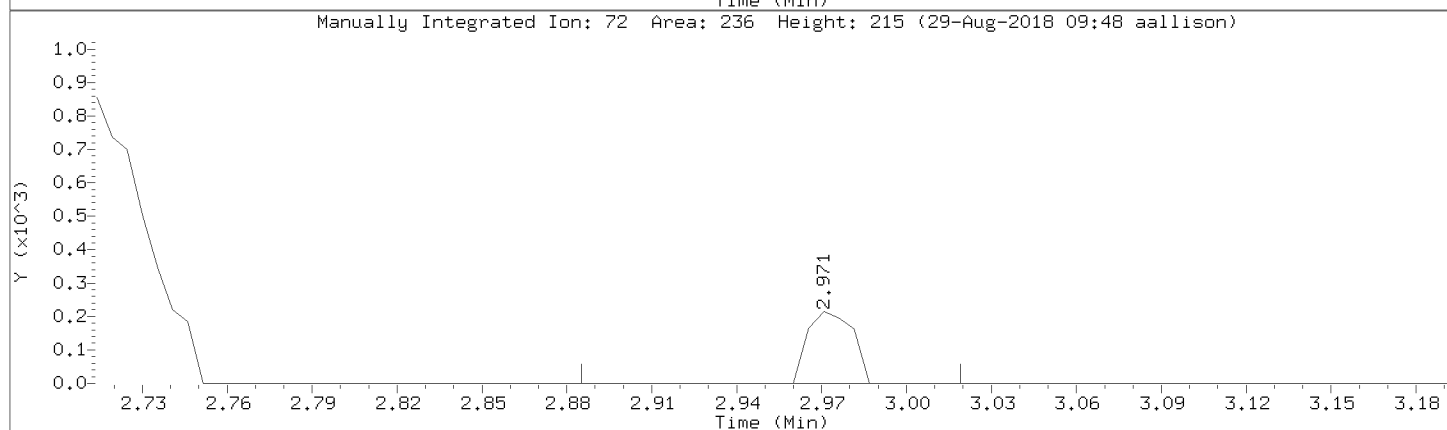
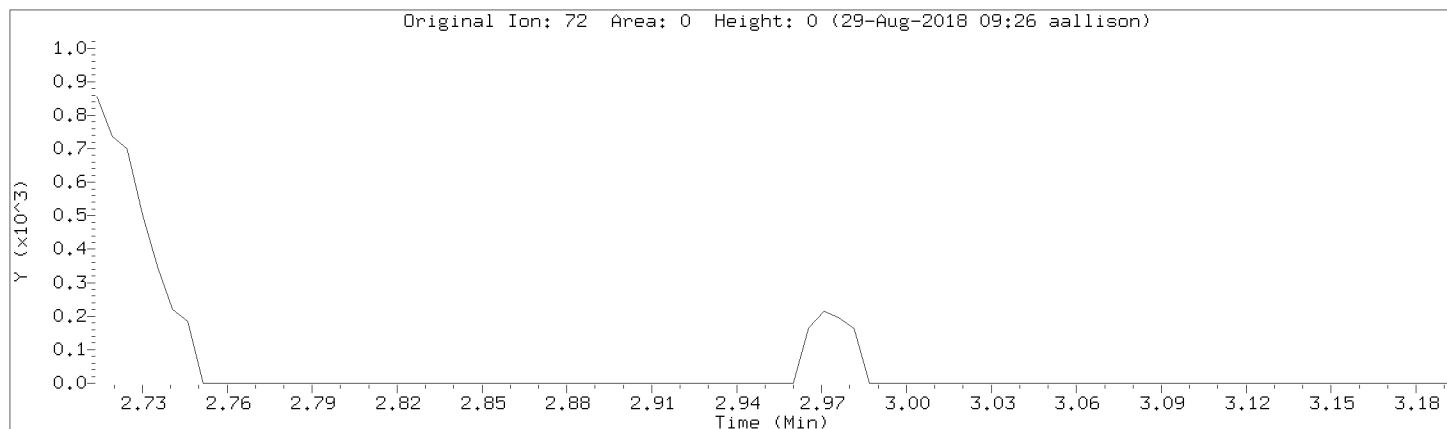


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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL3

Compound: Tetrahydrofuran Review Code: NI
CAS Number:

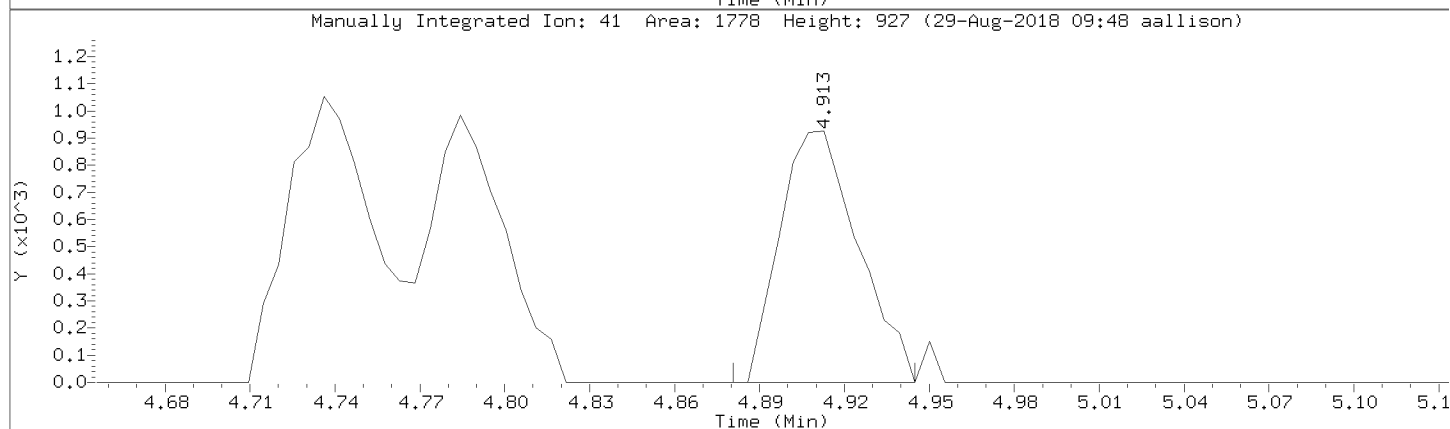
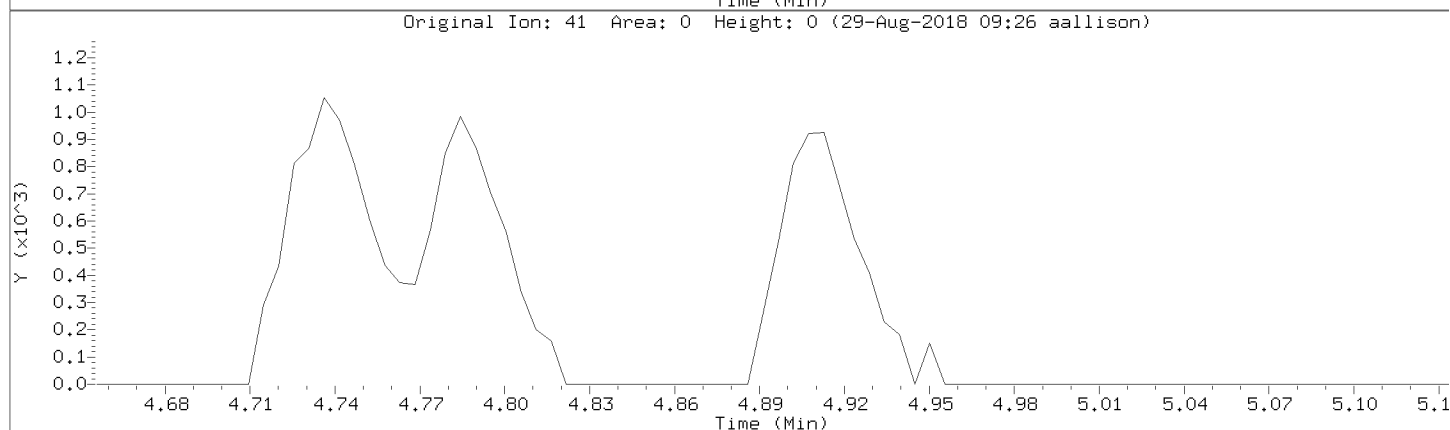
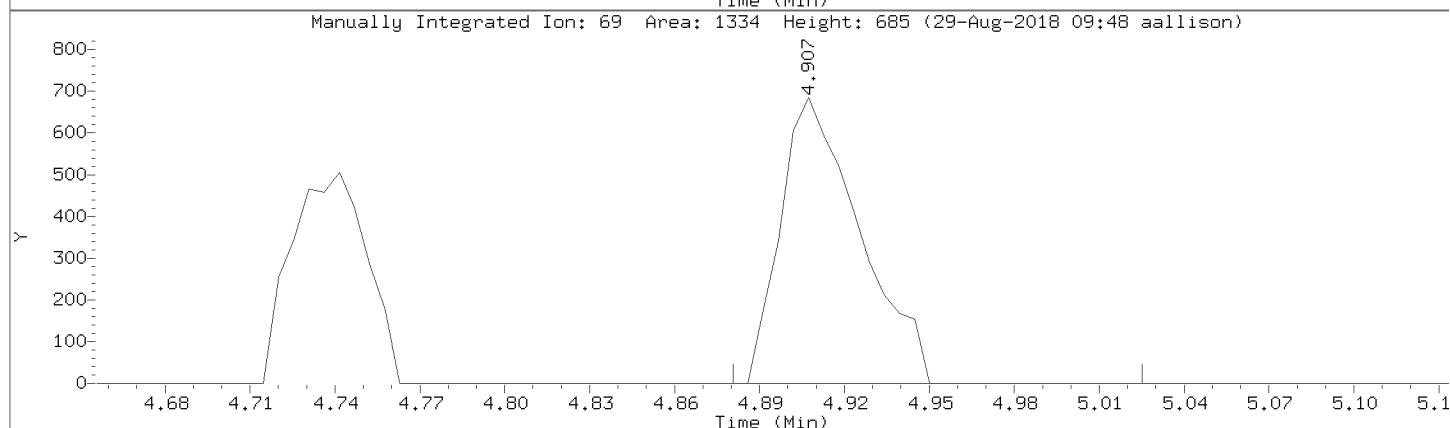
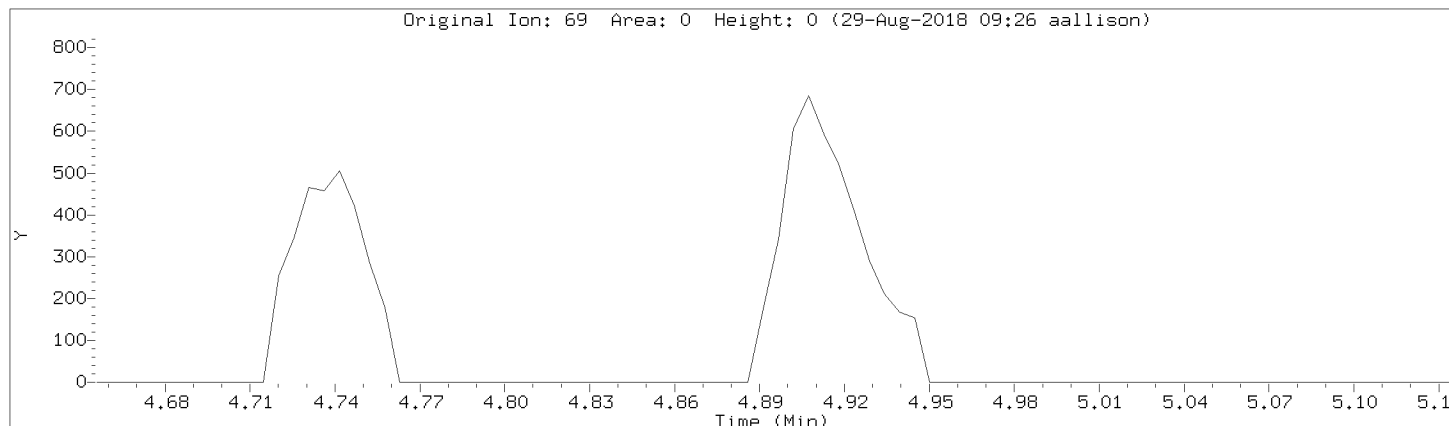


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Lab Sample ID: 8260-CAL3

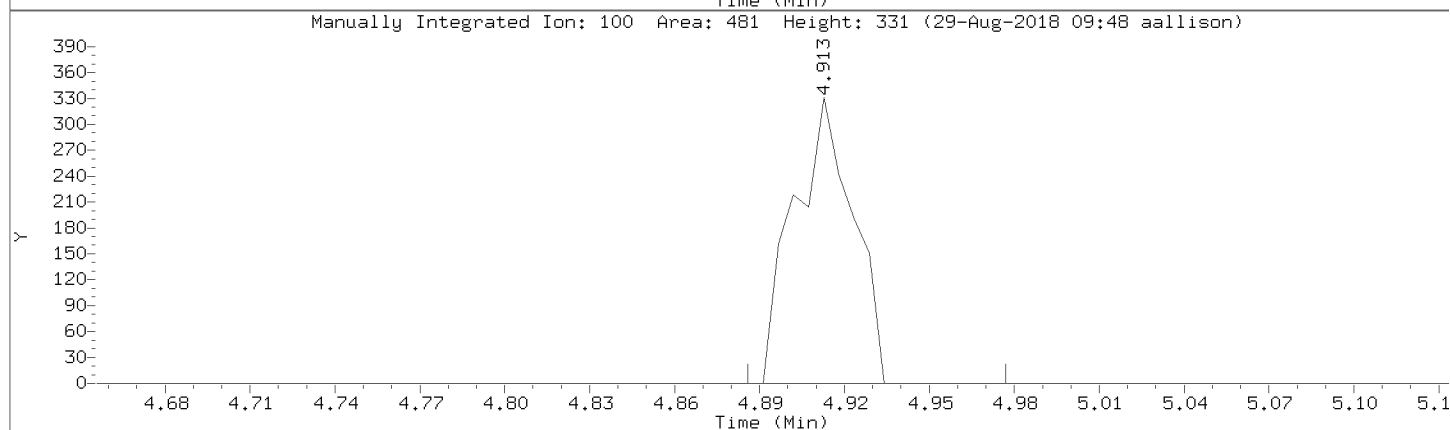
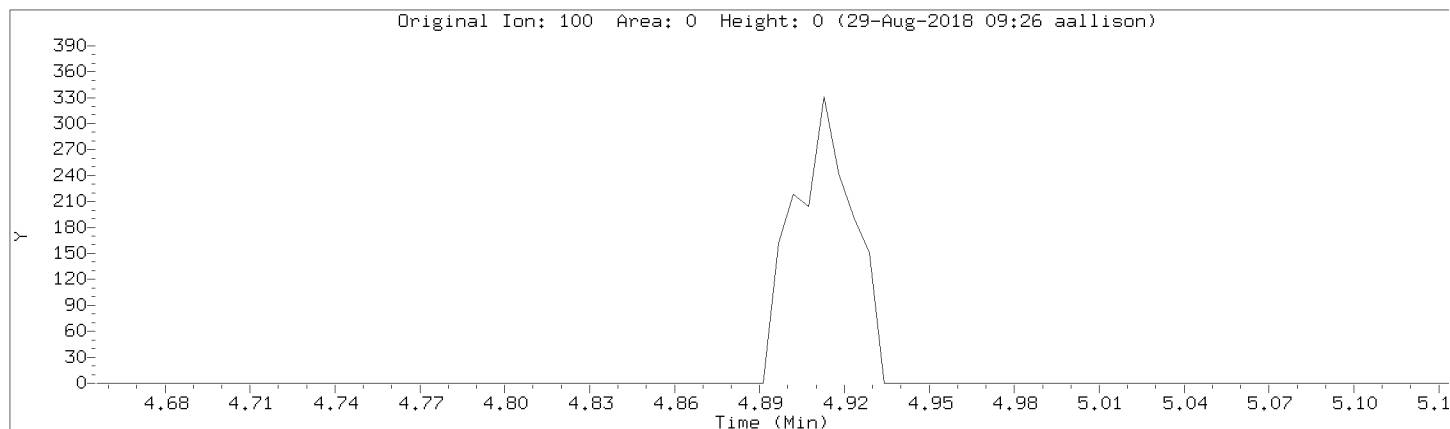


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Injection Date: 28-AUG-2018 15:37
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL3

Compound: Methyl methacrylate Review Code: NI
CAS Number: 80-62-6



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a03.d
Injection Date: 28-AUG-2018 15:37
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL3



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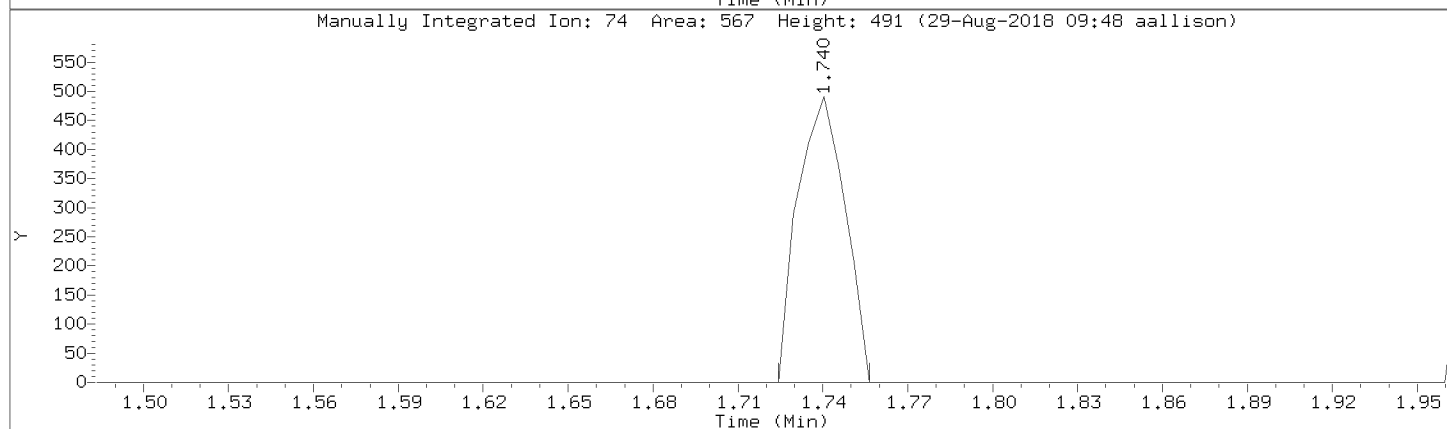
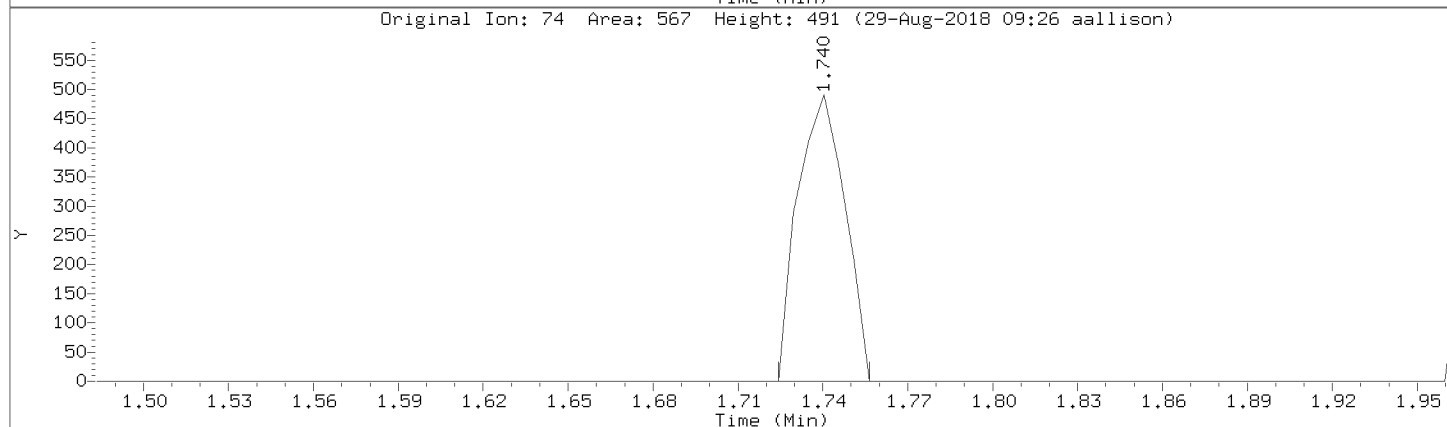
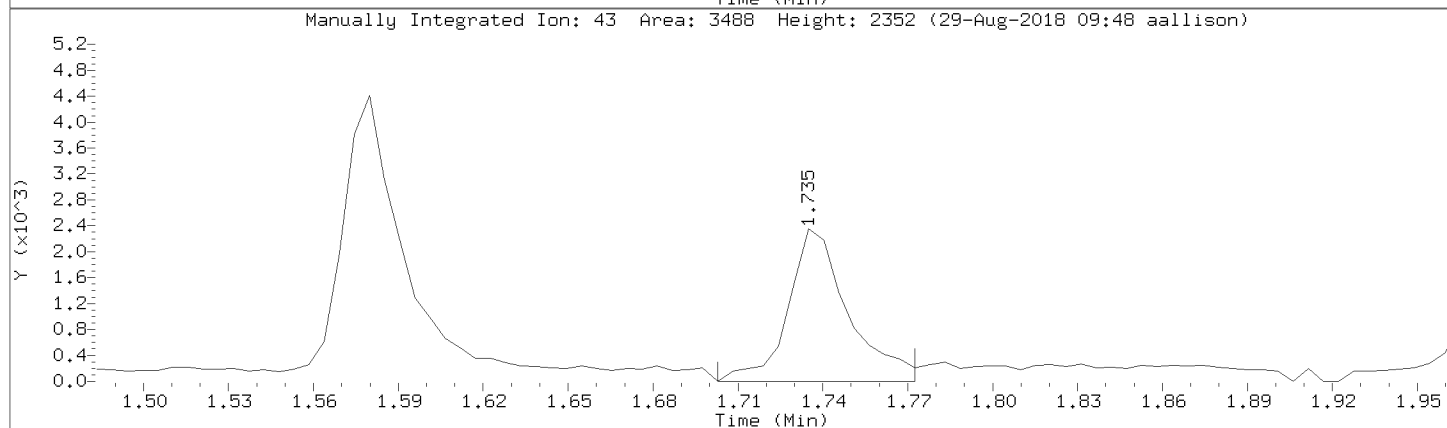
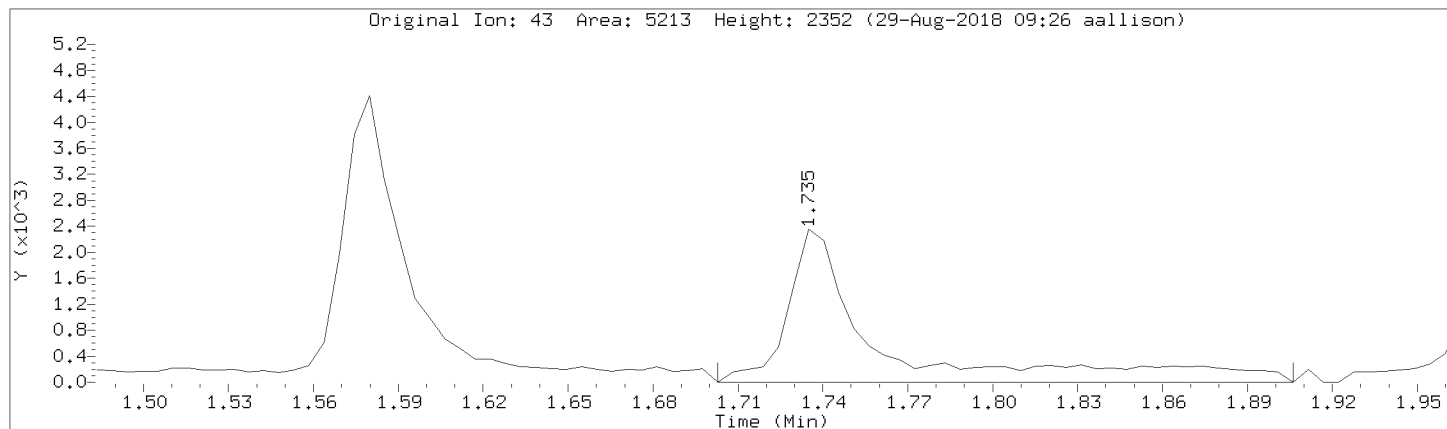
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL3

Compound: Methyl Acetate

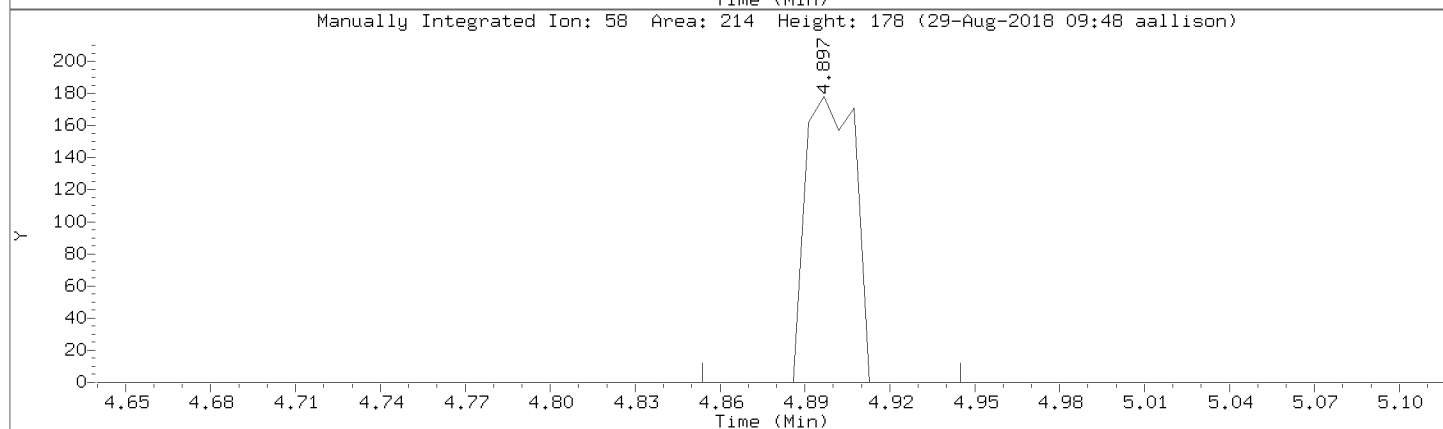
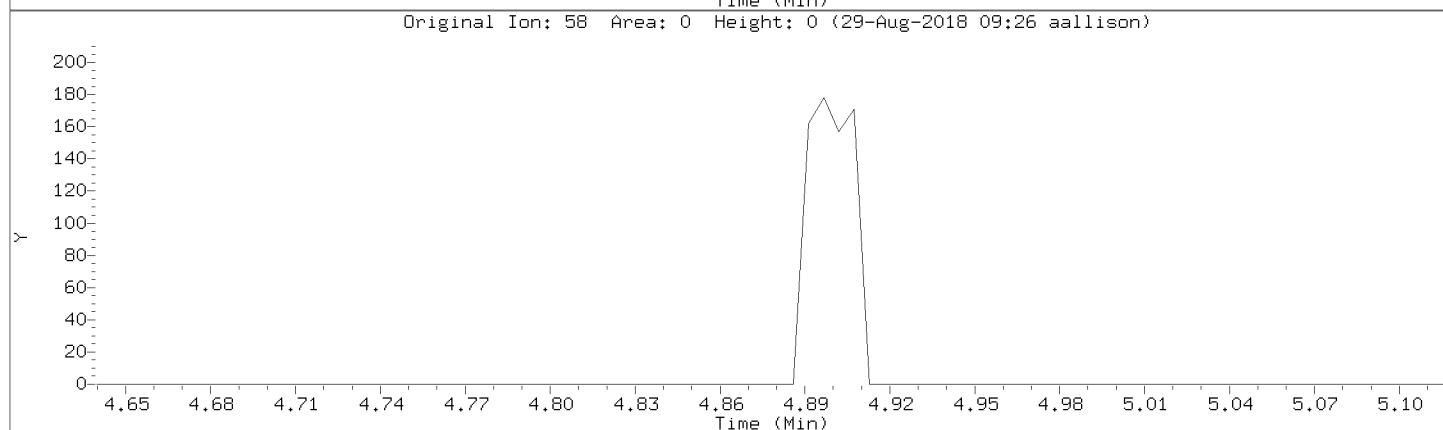
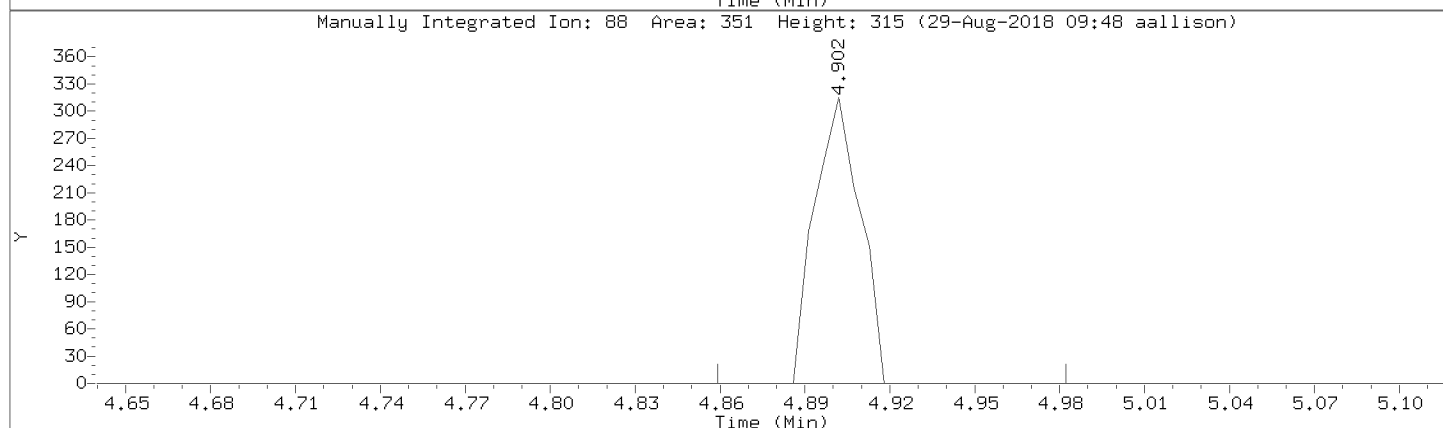
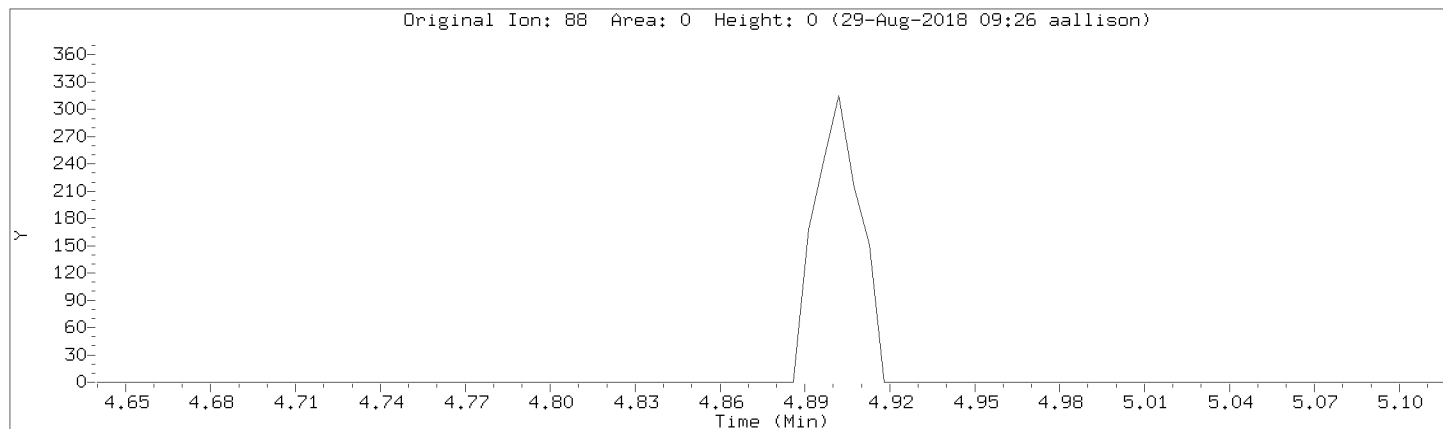
Review Code: GT

CAS Number: 79-20-9



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Injection Date: 28-AUG-2018 15:37
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL3

Compound: 1,4-Dioxane Review Code: NI
CAS Number:



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a03.d

Injection Date: 28-AUG-2018 15:37

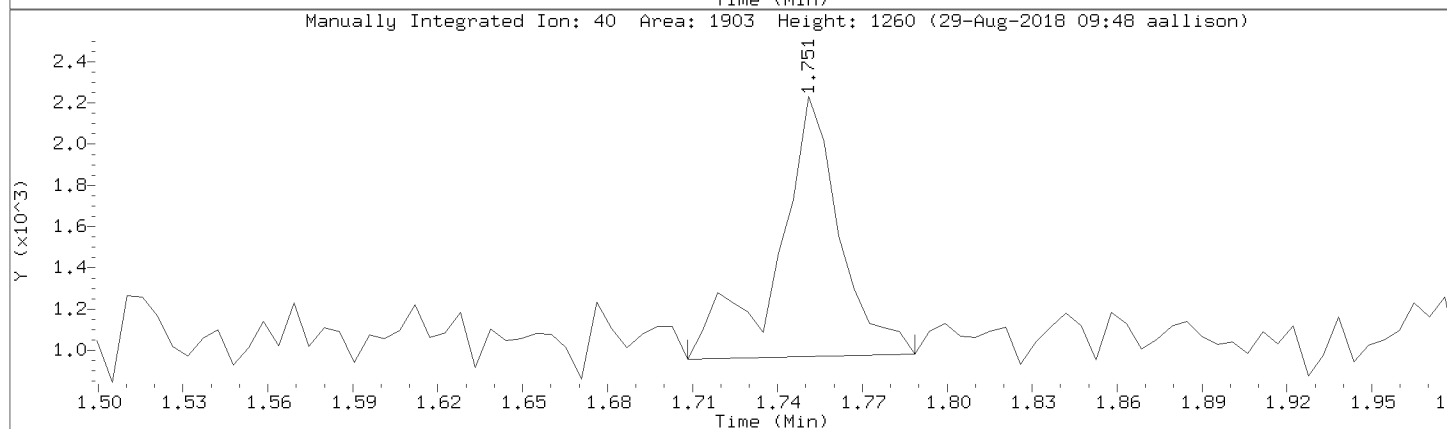
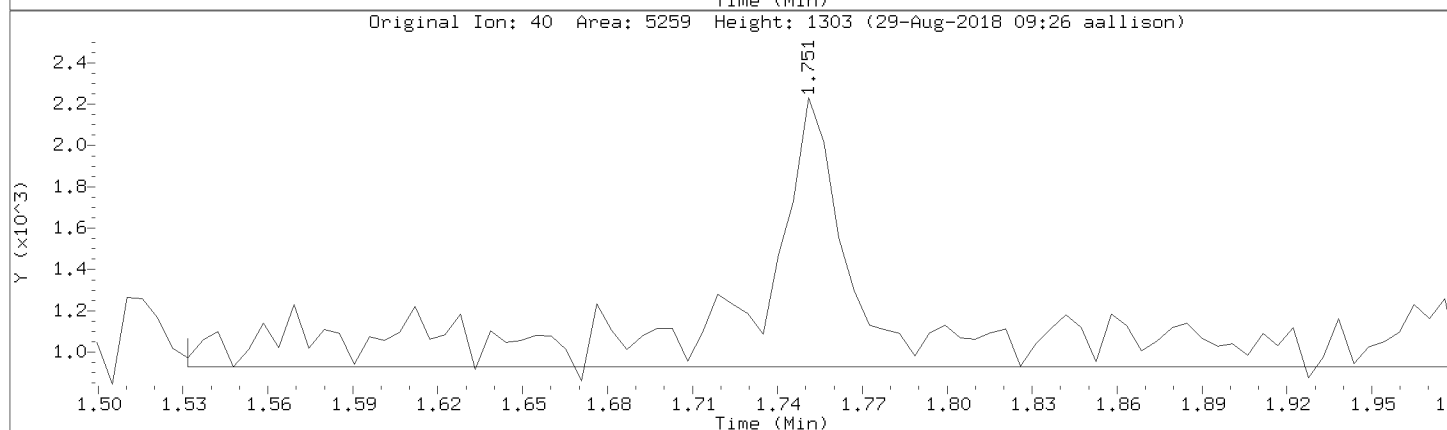
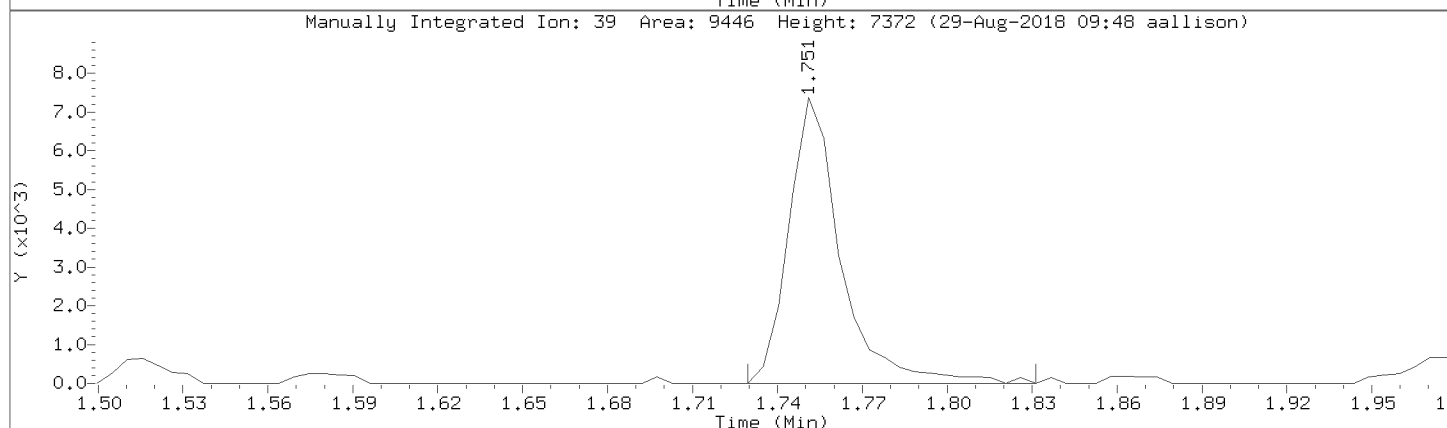
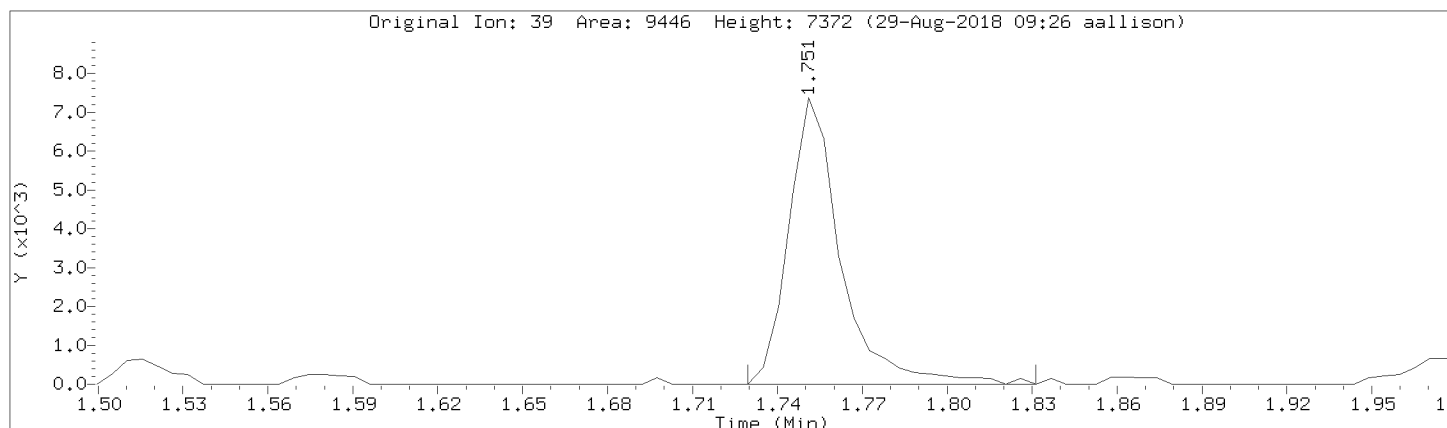
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL3

Compound: Acetonitrile

Review Code: GT

CAS Number: 75-05-8

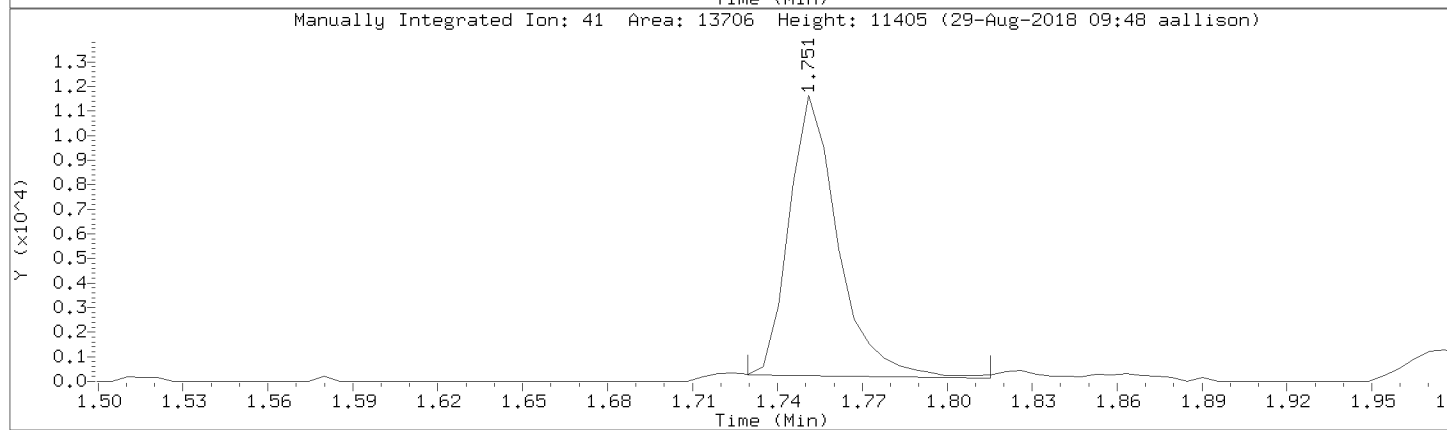
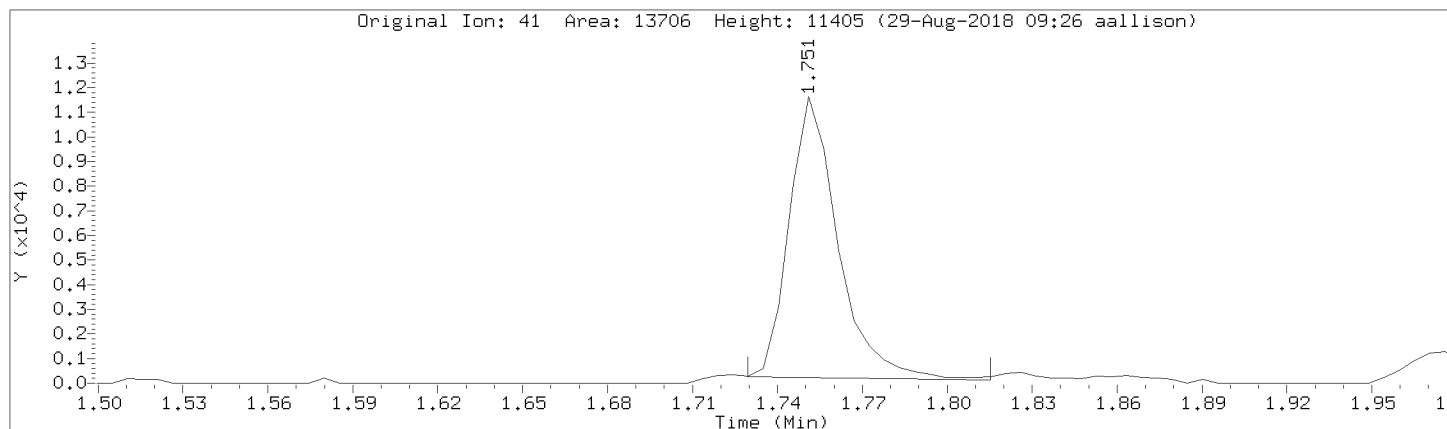


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Injection Date: 28-AUG-2018 15:37

Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL3



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Injection Date: 28-AUG-2018 15:37

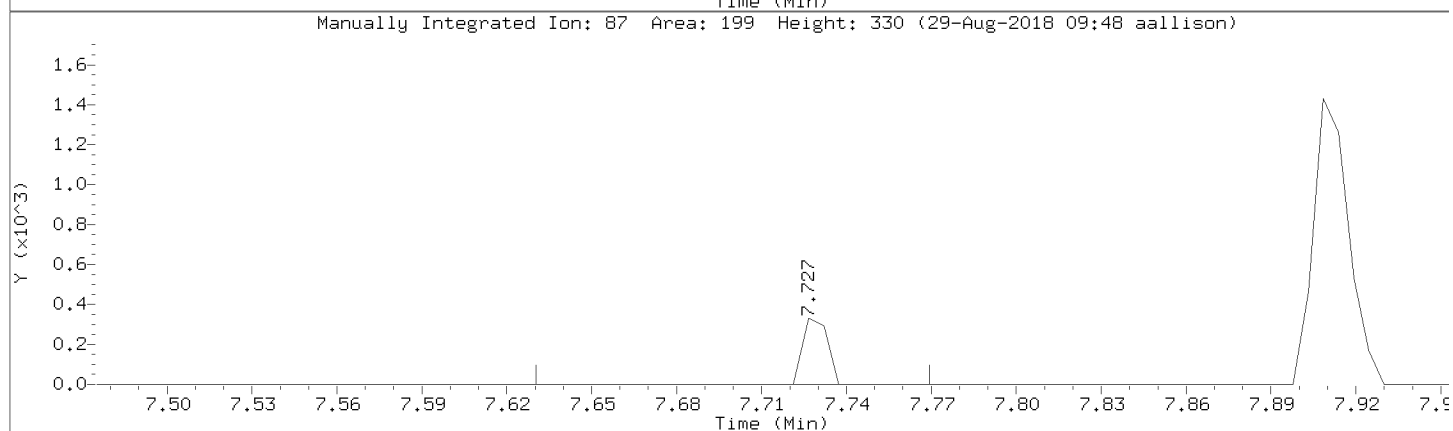
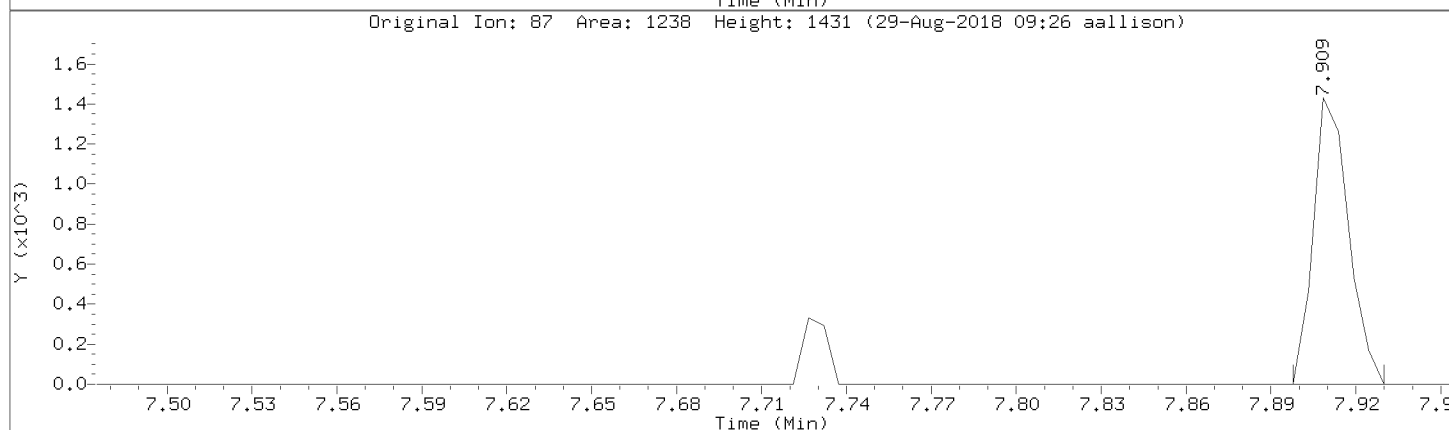
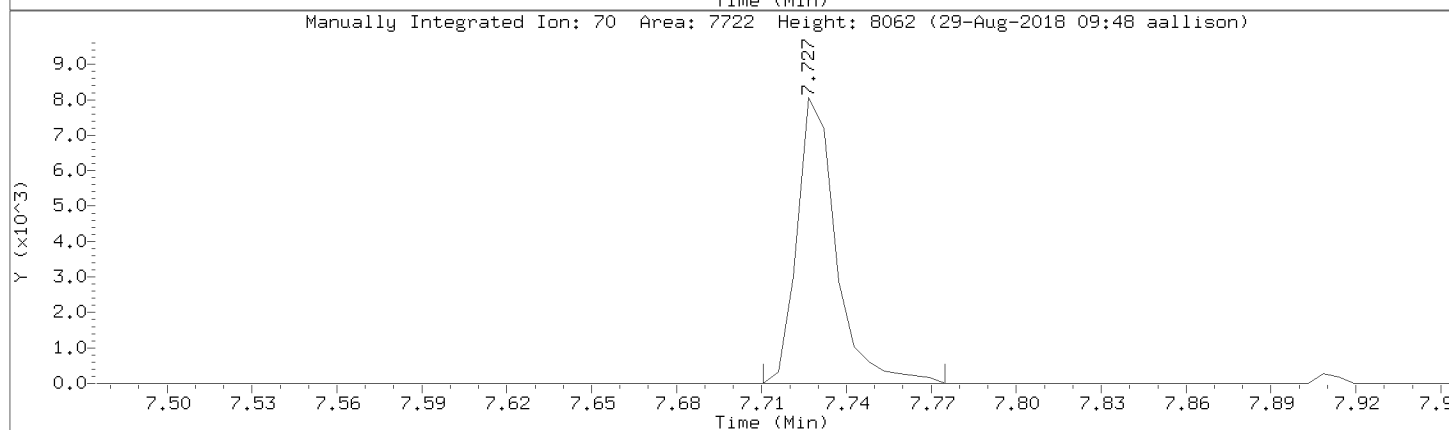
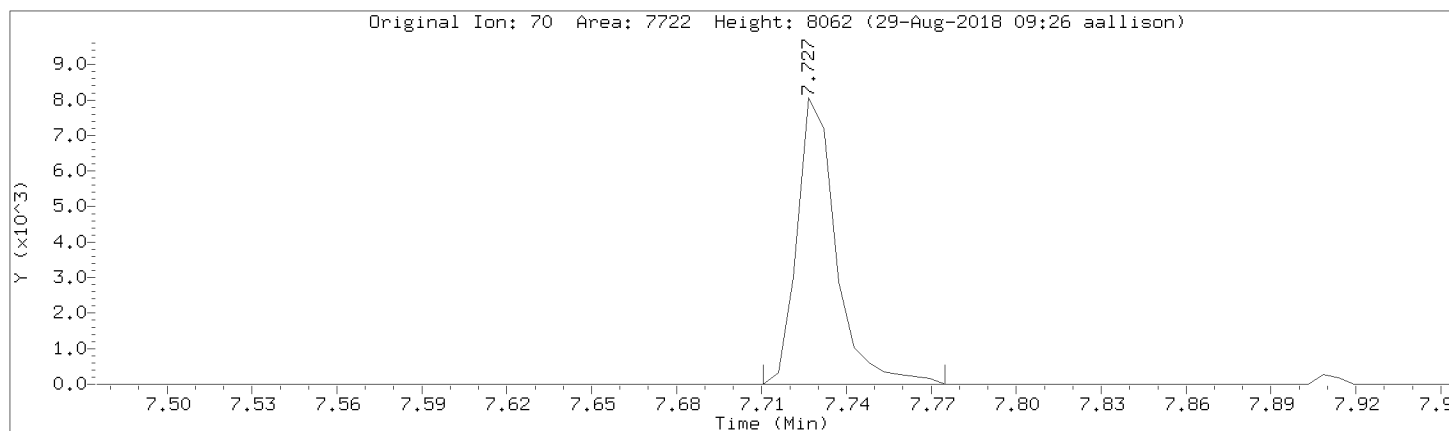
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL3

Compound: n-amyl acetate

Review Code: WP

CAS Number: 628-63-7

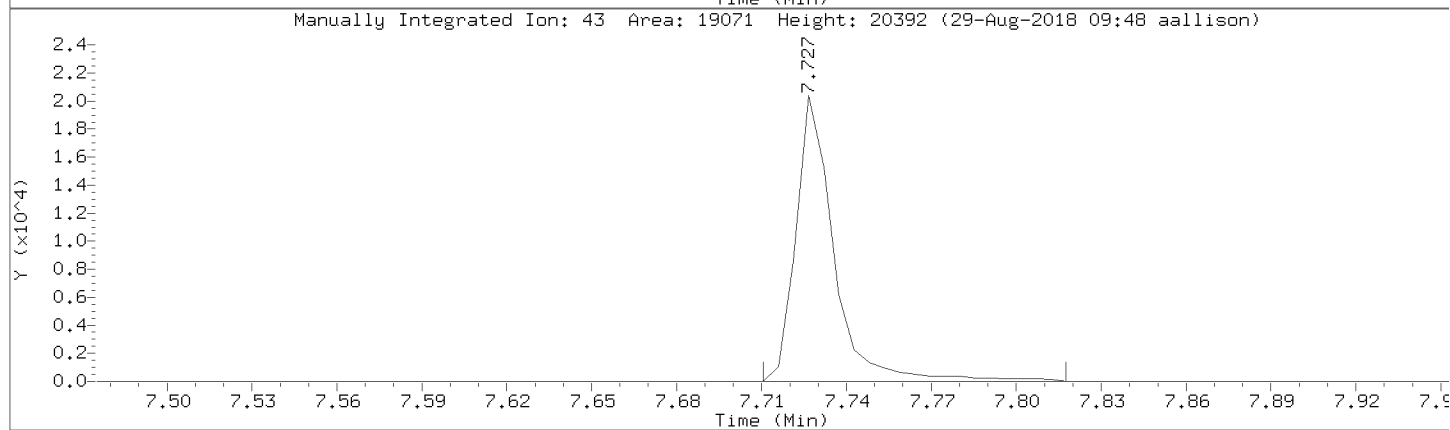
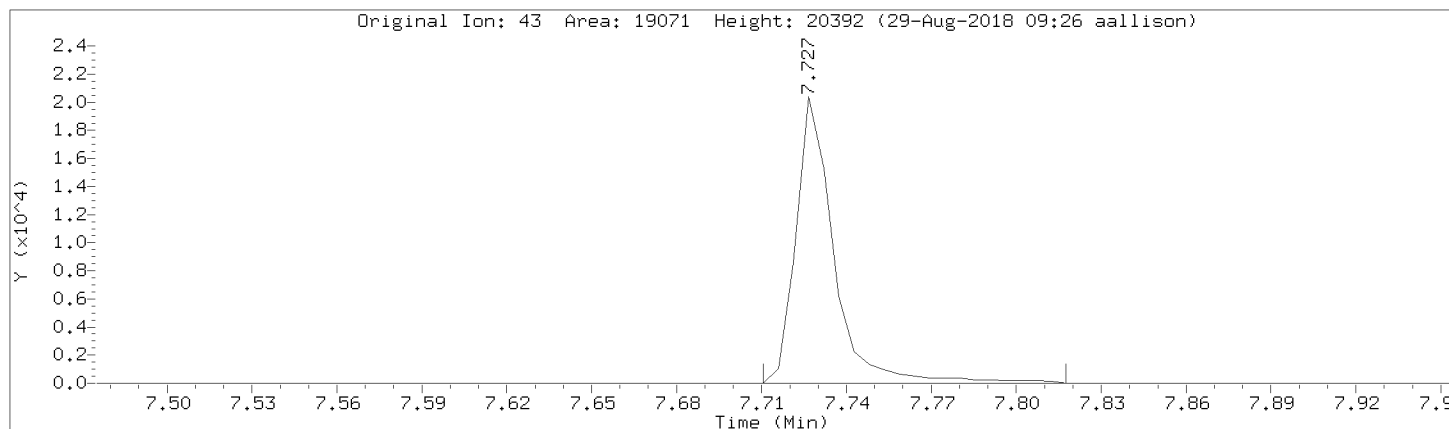


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Injection Date: 28-AUG-2018 15:37

Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL3



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Injection Date: 28-AUG-2018 15:37

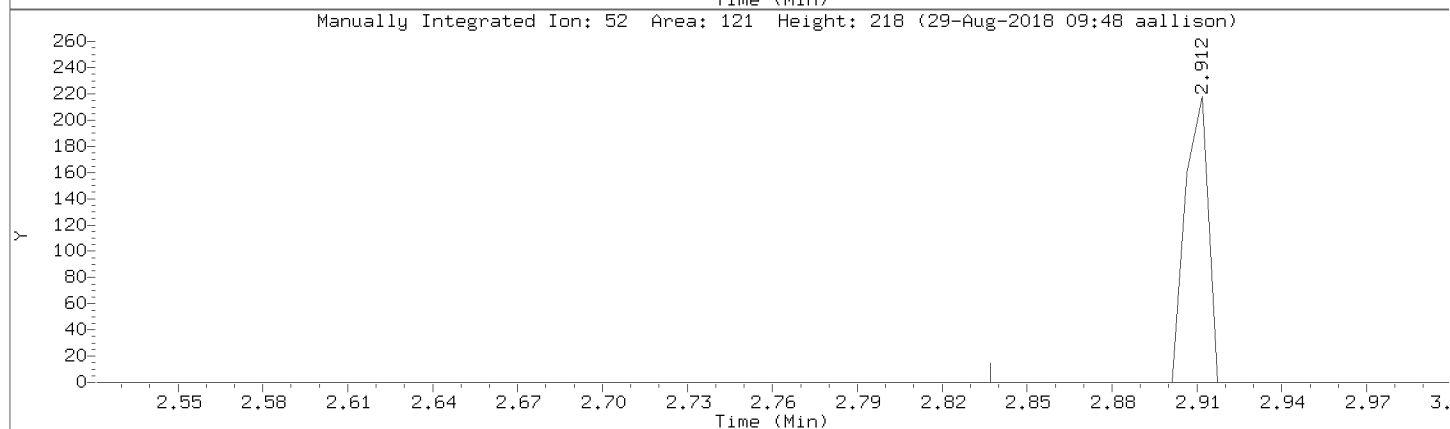
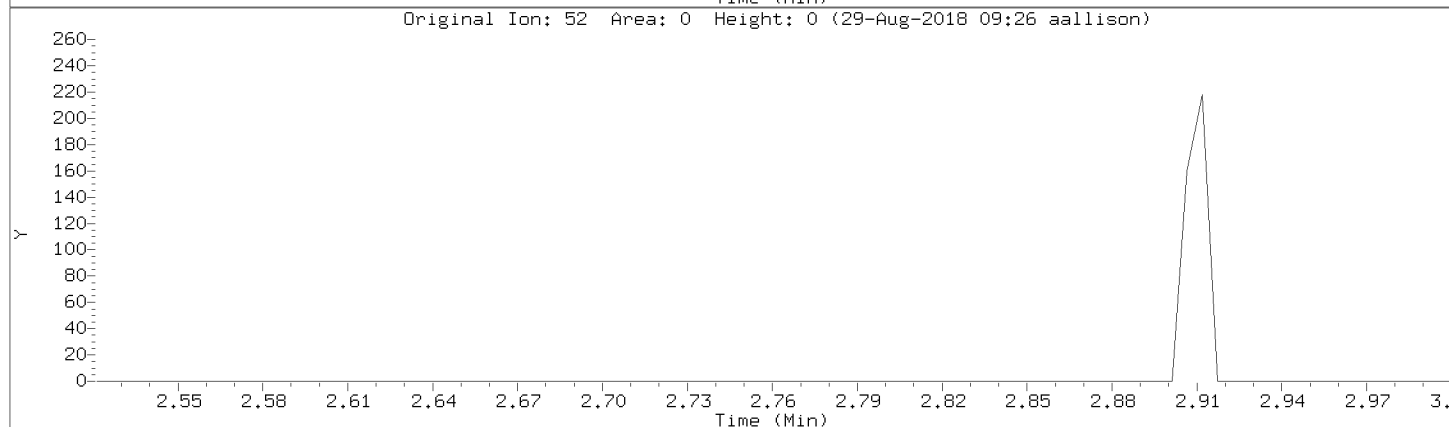
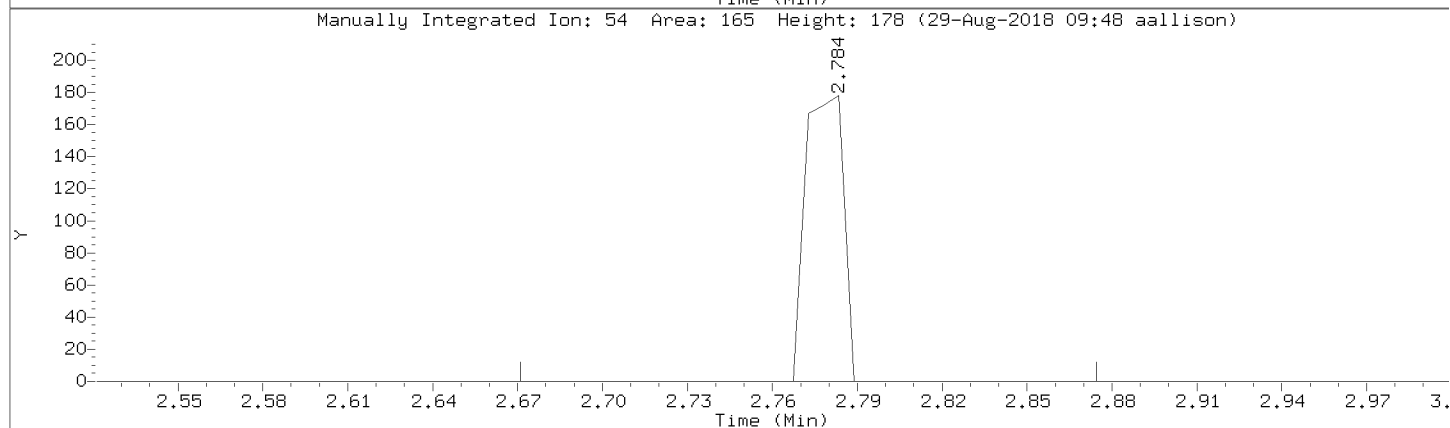
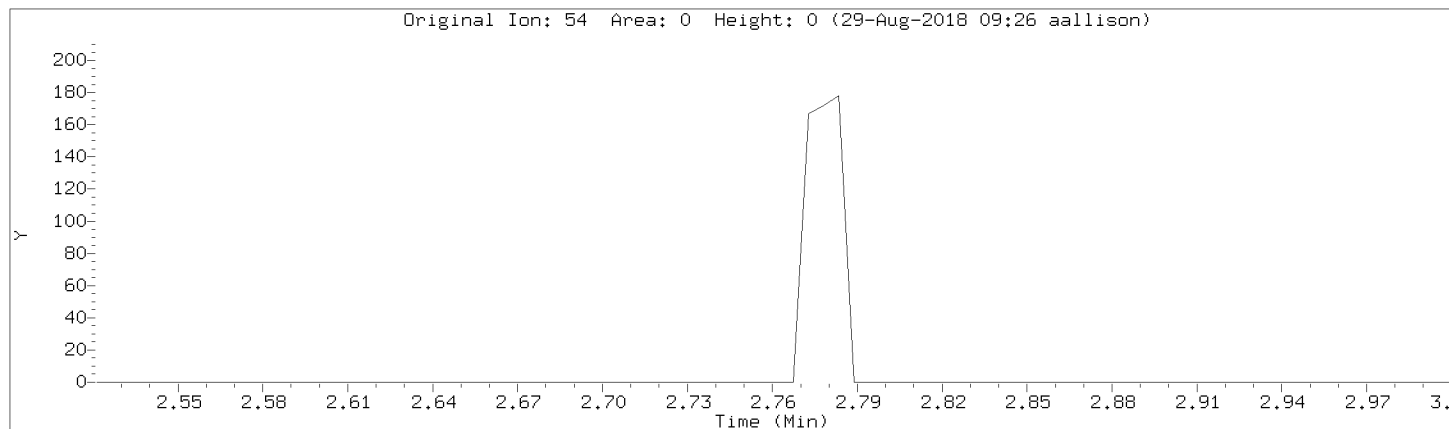
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Lab Sample ID: 8260-CAL3

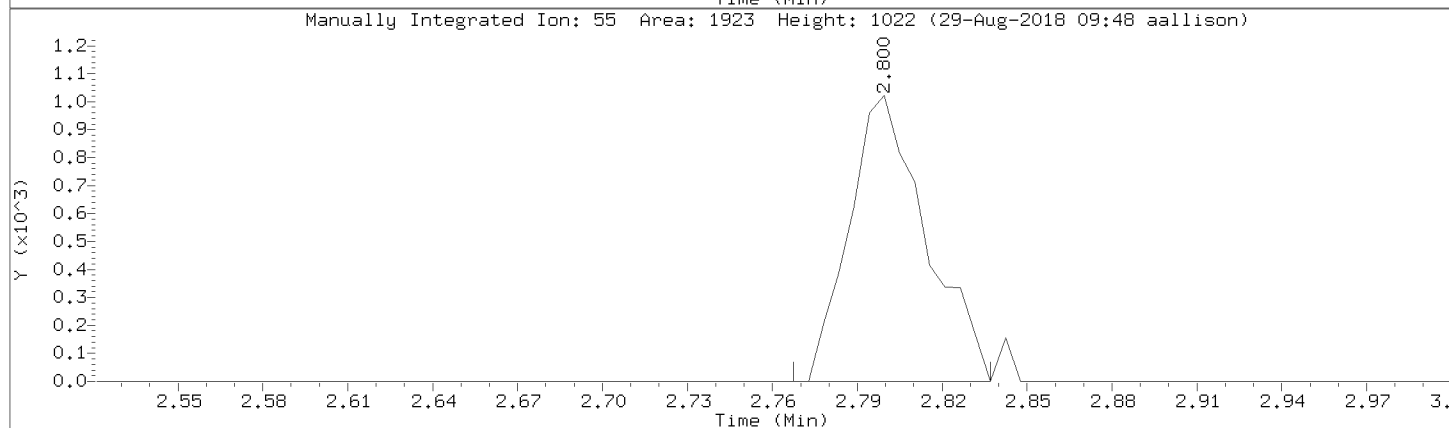
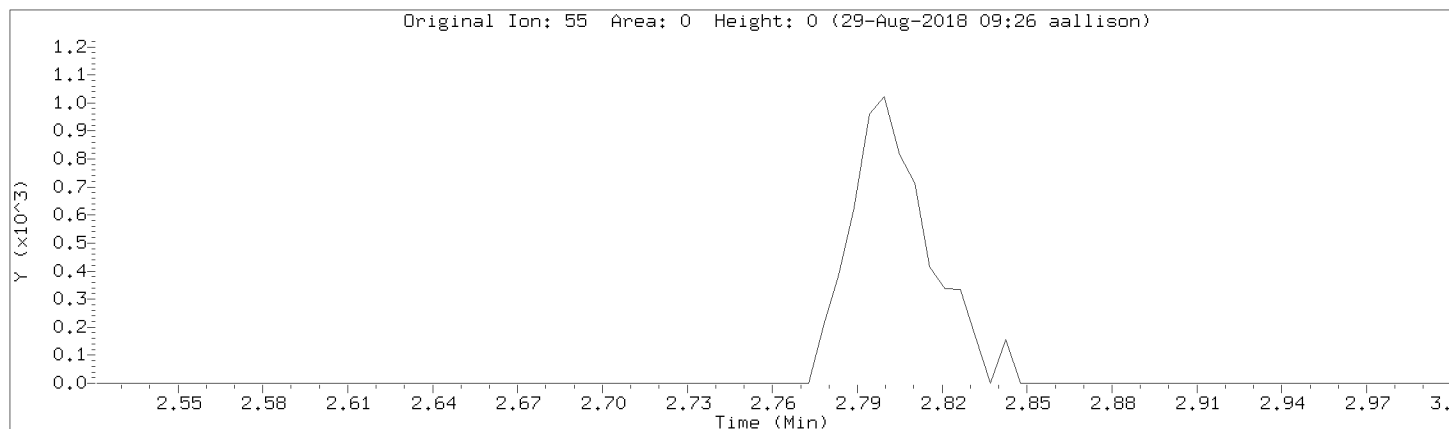
Compound: Propionitrile

Review Code: NI

CAS Number:



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a03.d
Injection Date: 28-AUG-2018 15:37
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL3



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6a.i\082818cal.b\04.d
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 Inj Date : 28-AUG-2018 16:15
 Operator : ala Inst ID: 50mv6a.i
 Smp Info : 8260-cal4,184850:0
 Misc Info : 117677
 Comment :
 Method : \\192.168.50.6\chem\50mv6a.i\082818cal.b\04.d\08260sl_a_c.m
 Meth Date : 29-Aug-2018 11:10 aallison Quant Type: ISTD
 Cal Date : 15-AUG-2018 16:38 Cal File: a10.d
 Als bottle: 5 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS							
			CAL-AMT	ON-COL	MASS	RT	EXP RT	REL RT	RESPONSE	
			(ppb)	(ppb)						
1 Dichlorodifluoromethane	85		10.0000	16.6	0.916	0.916	(0.227)	15718		
2 Chloromethane	50		10.0000	15.2	0.996	0.996	(0.247)	17263		
3 Vinyl Chloride	62		10.0000	16.4	1.039	1.039	(0.258)	17675		
4 Bromomethane	94		10.0000	10.4	1.178	1.173	(0.292)	10505		
5 Chloroethane	64		10.0000	15.6	1.221	1.221	(0.303)	10554		
6 Trichlorofluoromethane	101		10.0000	17.3	1.328	1.328	(0.330)	24056		
8 Diethyl ether	74		10.0000	7.16	1.446	1.446	(0.359)	3493		
7 1,2-dichlorotrifluoroethane	67		10.0000	8.08	1.462	1.462	(0.363)	10049		
9 Acrolein	56		200.000	273	1.515	1.515	(0.376)	38859		
10 1,1,2trichlorotrifluoroethane	101		10.0000	8.84	1.563	1.558	(0.388)	8321		
11 1,1-Dichloroethene	96		10.0000	7.87	1.569	1.563	(0.389)	7279		
12 Acetone	43		50.0000	31.9	1.579	1.579	(0.392)	10063		
13 Iodomethane	142		20.0000	19.6	1.654	1.649	(0.411)	18269		
14 Carbon Disulfide	76		10.0000	8.11	1.697	1.692	(0.421)	28976		
16 Methyl Acetate	43		10.0000	6.85 (M)	1.734	1.734	(0.430)	5032		
143 Acetonitrile	39		10.0000	7.22 (M)	1.750	1.751	(0.434)	15054		
15 allyl chloride	41		20.0000	15.7	1.750	1.751	(0.434)	23129		
17 Methylene Chloride	84		10.0000	5.74	1.825	1.825	(0.453)	10017		
18 tert-Butyl Alcohol	59		20.0000	13.6 (Q)	1.863	1.863	(0.462)	1589		
19 Acrylonitrile	53		40.0000	29.4	1.954	1.954	(0.485)	8155		
20 Methyl-tert-butyl ether	73		10.0000	7.76	1.975	1.975	(0.490)	15175		
21 1,2-Dichloroethene (trans)	96		10.0000	7.92	1.986	1.986	(0.493)	7686		
22 n-Hexane	57		10.0000	8.32	2.152	2.152	(0.534)	8423		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb)	ON-COL (ppb)
24 Vinyl Acetate	43	2.264	2.264 (0.562)		61234	40.0000	60.0
23 1,1-Dichloroethane	63	2.275	2.275 (0.565)		11151	10.0000	7.72
147 chloroprene	53	2.323	2.323 (0.577)		8473	10.0000	8.31
28 2-Butanone	72	2.724	2.713 (0.676)		2387	50.0000	38.6 (Q)
26 1,2-Dichloroethene (cis)	96	2.724	2.724 (0.676)		6109	10.0000	7.66
27 2,2-Dichloropropane	77	2.729	2.730 (0.677)		8187	10.0000	7.87
149 Propionitrile	54	2.772	2.772 (0.688)		418	10.0000	6.80 (QM)
151 Ethyl Acetate	88	2.756	2.751 (0.684)		1034	80.0000	61.7 (Q)
144 Methacrylonitrile	41	2.911	2.906 (0.723)		2141	10.0000	7.64 (M)
30 Bromochloromethane	49	2.949	2.944 (0.732)		4534	10.0000	7.68
31 Tetrahydrofuran	42	2.965	2.965 (0.736)		1187	10.0000	6.88 (M)
32 Chloroform	83	3.050	3.045 (0.757)		10653	10.0000	7.36
\$ 33 Dibromofluoromethane (S)	113	3.216	3.216 (0.798)		24284	50.0000	48.8
34 1,1,1-Trichloroethane	97	3.211	3.211 (0.797)		9364	10.0000	8.31
35 Cyclohexane	56	3.291	3.286 (0.817)		9585	10.0000	8.72
150 n-Butyl chloride	56	3.350	3.350 (0.831)		10984	10.0000	8.24
36 Carbon Tetrachloride	117	3.387	3.382 (0.841)		8532	10.0000	8.47
37 1,1-Dichloropropene	75	3.393	3.388 (0.842)		7796	10.0000	8.46
39 Benzene	78	3.623	3.623 (0.899)		21559	10.0000	7.90
40 1,2-Dichloroethane	62	3.708	3.709 (0.920)		6134	10.0000	7.32 (M)
145 isopropyl acetate	61	3.735	3.735 (0.927)		6081	40.0000	28.6
141 2,2,4-Trimethylpentane	57	3.783	3.778 (0.939)		18724	10.0000	8.62
38 Isobutyl alcohol	43	3.559	3.548 (0.883)		1711	90.0000	61.6
* 41 Fluorobenzene	96	4.029	4.024 (1.000)		71965	50.0000	
42 Trichloroethene	95	4.484	4.479 (1.113)		5529	10.0000	8.06
43 Methylcyclohexane	55	4.736	4.736 (1.175)		7188	10.0000	8.50
44 1,2-Dichloropropane	63	4.789	4.784 (1.188)		5162	10.0000	7.90 (M)
45 Dibromomethane	93	4.880	4.880 (1.211)		2957	10.0000	7.83
142 1,4-Dioxane	88	4.901	4.891 (1.216)		767	200.000	135 (M)
46 Methyl methacrylate	69	4.907	4.907 (1.218)		2250	10.0000	6.73
47 Bromodichloromethane	83	5.105	5.105 (1.267)		7231	10.0000	7.73
48 2-Chloroethyl vinyl ether	63	5.458	5.453 (0.764)		1292	20.0000	11.3 (M)
49 cis-1,3-Dichloropropene	75	5.592	5.586 (0.782)		7237	10.0000	7.59
50 4-Methyl-2-Pentanone	43	5.763	5.763 (0.806)		19296	50.0000	35.1
\$ 51 Toluene-d8	98	5.848	5.848 (0.818)		81776	50.0000	50.2
52 Toluene	91	5.923	5.918 (0.829)		22105	10.0000	7.60
53 trans-1,3-Dichloropropene	75	6.207	6.201 (0.868)		5784	10.0000	7.45
54 Ethyl Methacrylate	69	6.292	6.292 (0.880)		4582	10.0000	7.35 (M)
55 1,1,2-Trichloroethane	83	6.394	6.389 (0.894)		3594	10.0000	7.50
56 Tetrachloroethene	166	6.437	6.432 (0.900)		6212	10.0000	8.12
57 1,3-Dichloropropane	76	6.533	6.533 (0.914)		6348	10.0000	7.47
58 2-Hexanone	43	6.608	6.603 (0.924)		14026	50.0000	35.2
59 Dibromochloromethane	129	6.715	6.715 (0.939)		4775	10.0000	7.08
60 1,2-Dibromoethane	107	6.795	6.790 (0.951)		3830	10.0000	8.32
* 61 Chlorobenzene-d5	117	7.148	7.148 (1.000)		54500	50.0000	
62 Chlorobenzene	112	7.170	7.170 (1.003)		14106	10.0000	7.72
63 1,1,1,2-Tetrachloroethane	131	7.245	7.245 (1.013)		4623	10.0000	7.43
64 Ethylbenzene	106	7.250	7.245 (1.014)		7285	10.0000	8.20
65 m&p-Xylene	106	7.341	7.341 (1.027)		18267	20.0000	15.3
67 o-Xylene	106	7.582	7.582 (1.061)		8420	10.0000	8.01
68 Styrene	104	7.603	7.598 (1.064)		14182	10.0000	7.66
69 Bromoform	173	7.710	7.710 (0.904)		3086	10.0000	7.40 (M)
146 n-amyl acetate	70	7.726	7.726 (1.917)		11622	40.0000	29.1 (M)
70 Isopropylbenzene	105	7.812	7.812 (1.093)		23321	10.0000	7.80

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)
\$ 72 4-Bromofluorobenzene	95	7.913	7.913	(1.107)	28079	50.0000	50.0
74 Bromobenzene	77	7.978	7.978	(1.116)	8254	10.0000	7.48
73 1,1,2,2-Tetrachloroethane	83	7.999	7.999	(0.938)	5754	10.0000	7.27
71 trans-1,4-Dichloro-2-butene	53	8.020	8.020	(1.122)	1071	10.0000	6.37(Q)
75 1,2,3-Trichloropropane	110	8.026	8.026	(0.941)	1366	10.0000	7.21
76 n-Propylbenzene	91	8.047	8.047	(0.944)	28914	10.0000	7.79
77 2-Chlorotoluene	91	8.090	8.090	(0.949)	16367	10.0000	7.60
78 1,3,5-Trimethylbenzene	105	8.149	8.149	(0.955)	17446	10.0000	8.08
79 4-Chlorotoluene	126	8.159	8.159	(0.957)	5762	10.0000	8.18
80 tert-Butylbenzene	119	8.309	8.309	(0.974)	21441	10.0000	7.96
81 1,2,4-Trimethylbenzene	105	8.341	8.341	(0.978)	17323	10.0000	7.86
82 sec-Butylbenzene	105	8.427	8.427	(0.988)	26135	10.0000	8.10
83 1,3-Dichlorobenzene	146	8.486	8.486	(0.995)	11414	10.0000	7.79
84 p-Isopropyltoluene	119	8.507	8.507	(0.997)	20501	10.0000	8.00
* 85 1,4-Dichlorobenzene-d4	152	8.529	8.529	(1.000)	29289	50.0000	
86 1,4-Dichlorobenzene	146	8.539	8.539	(1.001)	11697	10.0000	7.48
87 n-Butylbenzene	91	8.705	8.705	(1.021)	20584	10.0000	8.20
88 1,2-Dichlorobenzene	146	8.710	8.711	(1.021)	10690	10.0000	7.89
89 1,2-Dibromo-3-chloropropane	155	9.085	9.080	(1.065)	823	10.0000	6.28
90 1,2,4-Trichlorobenzene	180	9.443	9.443	(1.107)	7149	10.0000	7.68
91 Hexachlorobutadiene	225	9.502	9.502	(1.114)	4646	10.0000	8.60
92 Naphthalene	128	9.561	9.556	(1.121)	15975	10.0000	6.84
93 1,2,3-Trichlorobenzene	180	9.652	9.652	(1.132)	7001	10.0000	6.97
94 2,methyl-naphthalene	142	10.059	10.059	(1.179)	9393	10.0000	7.02
148 1-Methylnaphthalene	141	10.144	10.144	(1.189)	7484	10.0000	6.81

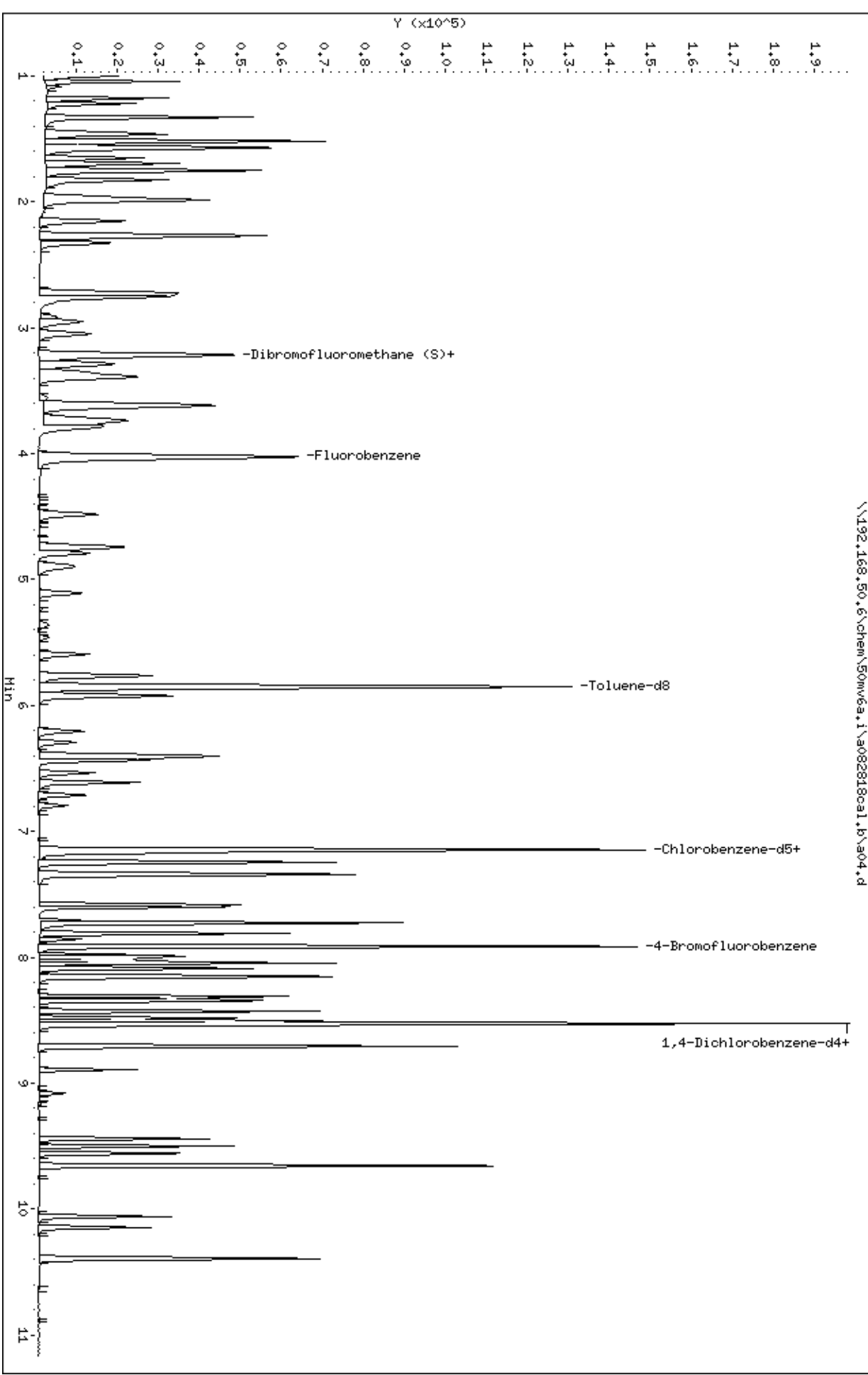
QC Flag Legend

Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

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Client ID: 8260-CAL4
Sample Info: 8260-CAL4,184850:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw6a.i
Operator: alia
Column diameter: 0.18

\\192.168.50.6\chem\50mw6a.i\A082818cal.b\A04.d



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a04.d

Injection Date: 28-AUG-2018 16:15

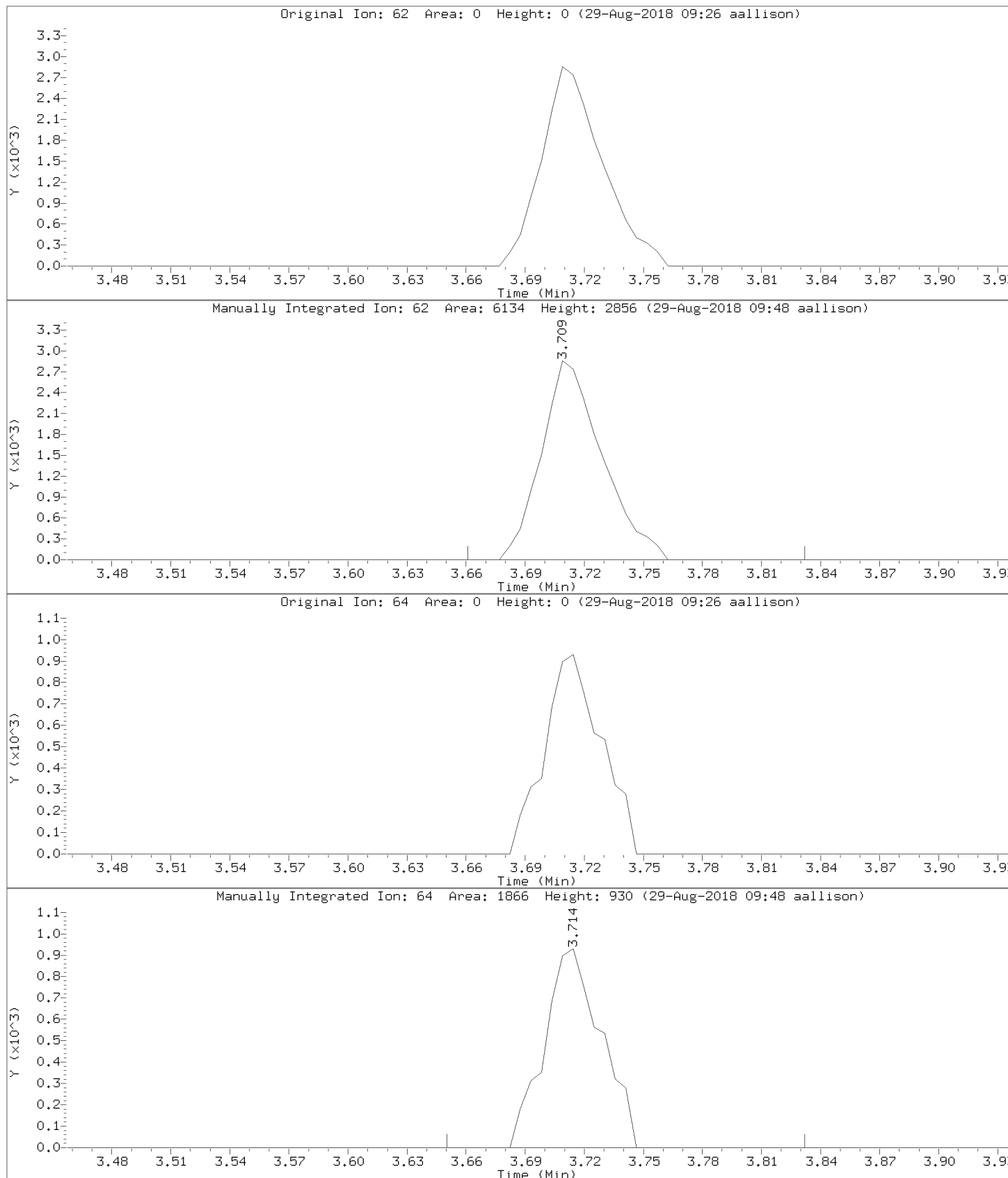
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Lab Sample ID: 8260-CAL4

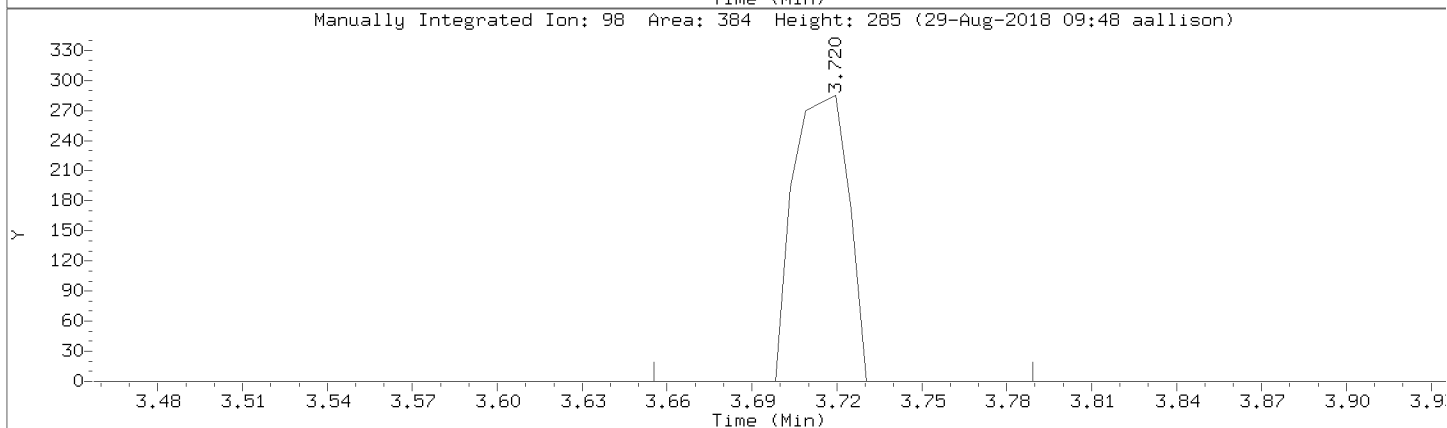
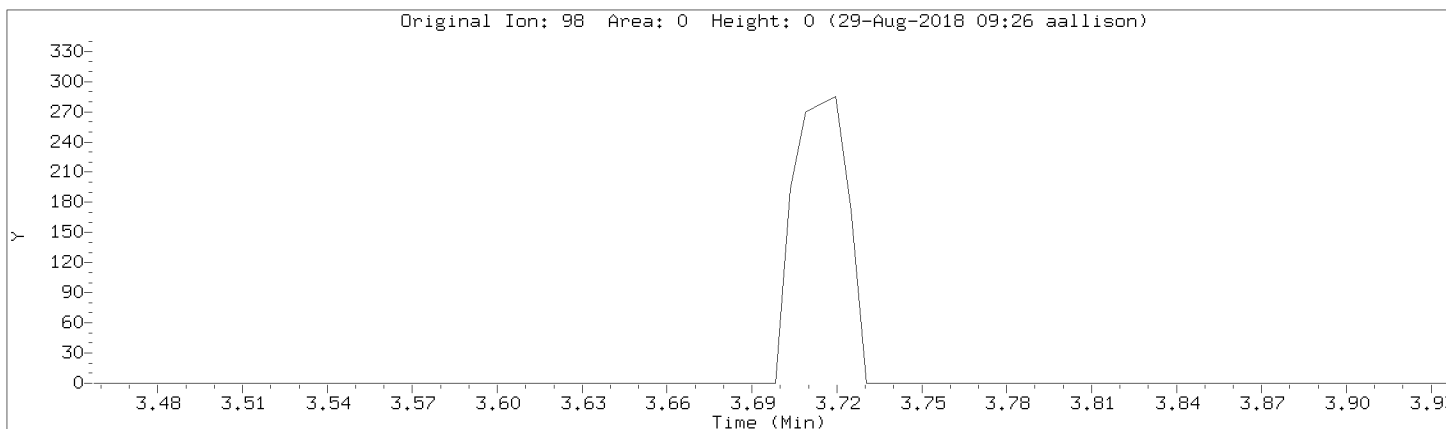
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Review Code: NI

CAS Number: 107-06-2

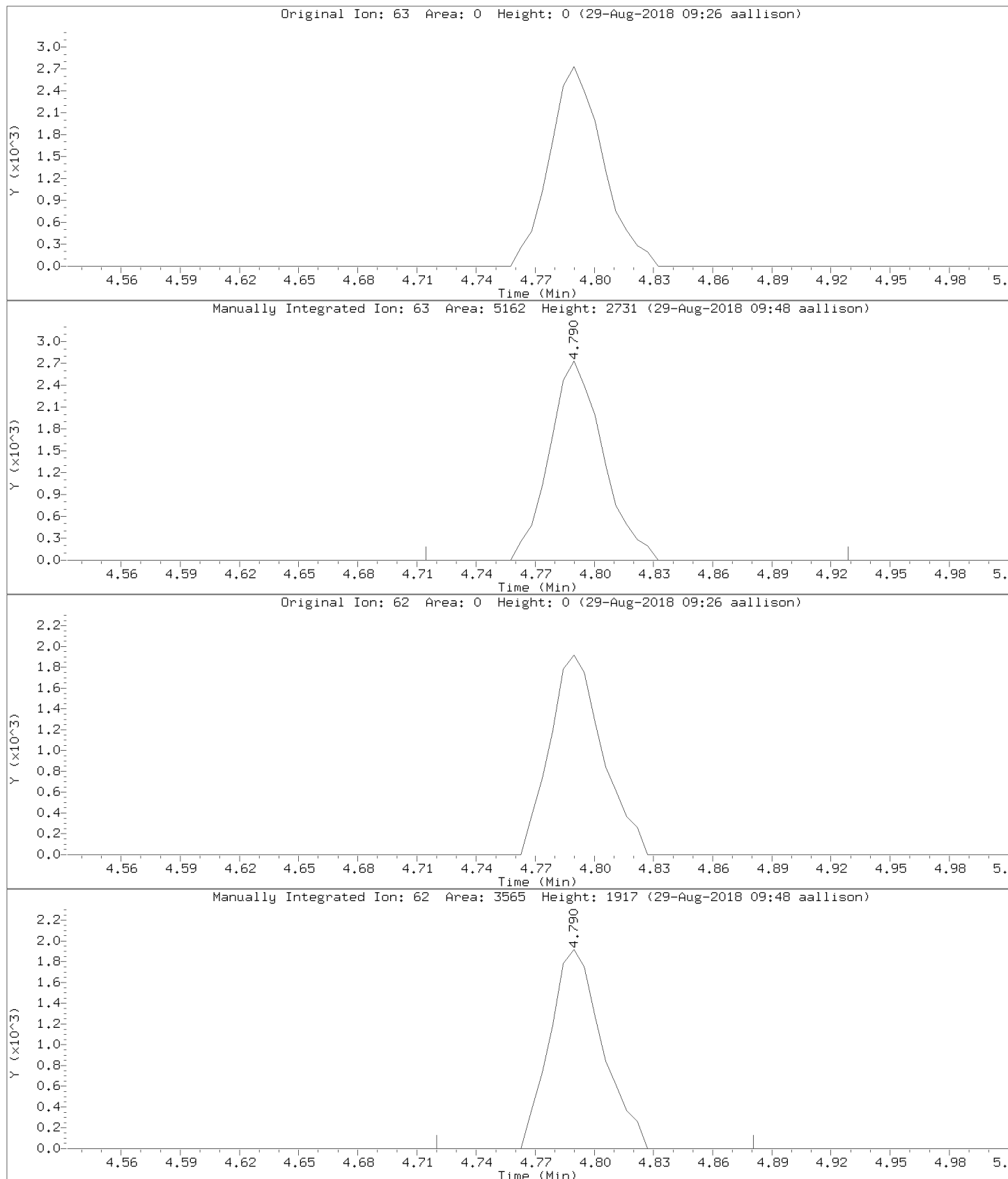


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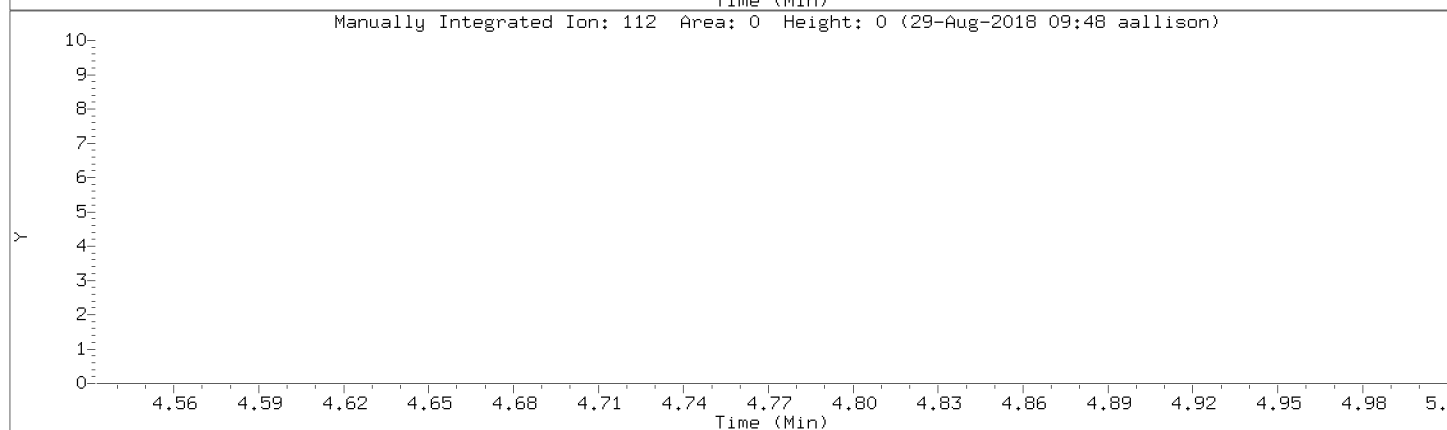
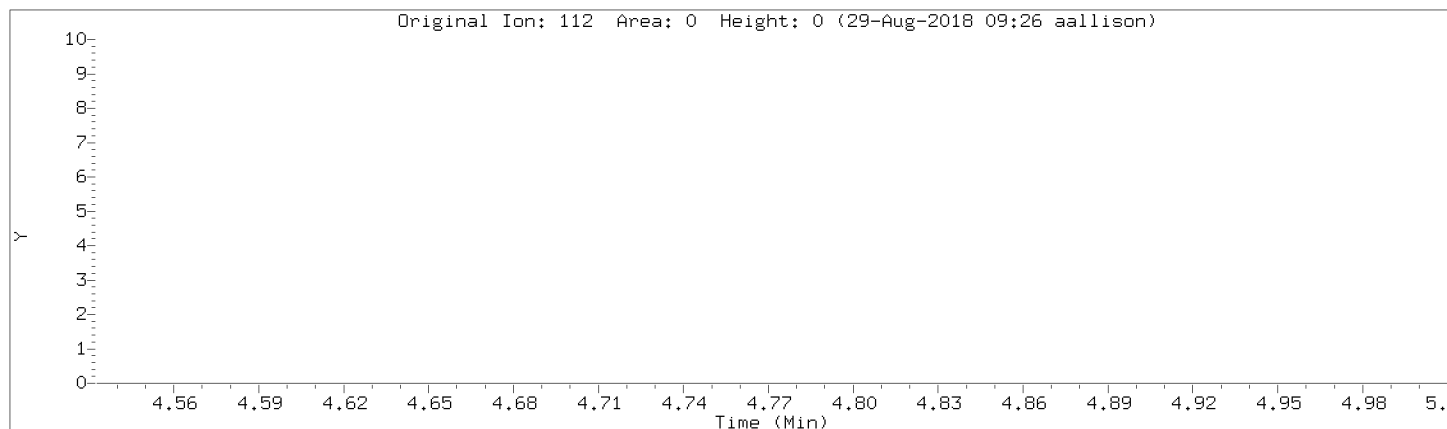


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Lab Sample ID: 8260-CAL4

Compound: 1,2-Dichloropropane Review Code: NI
CAS Number: 78-87-5

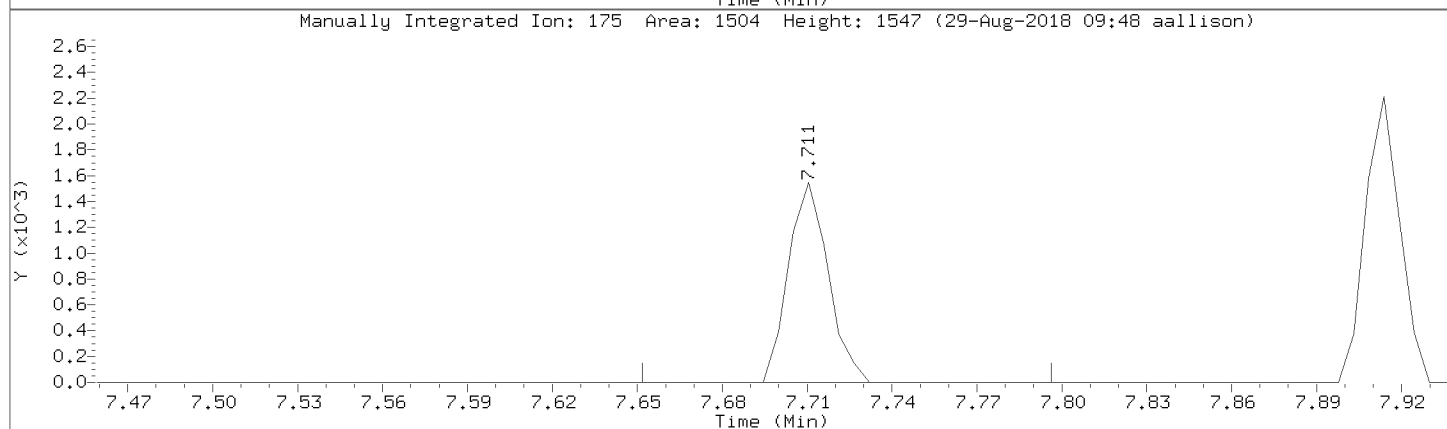
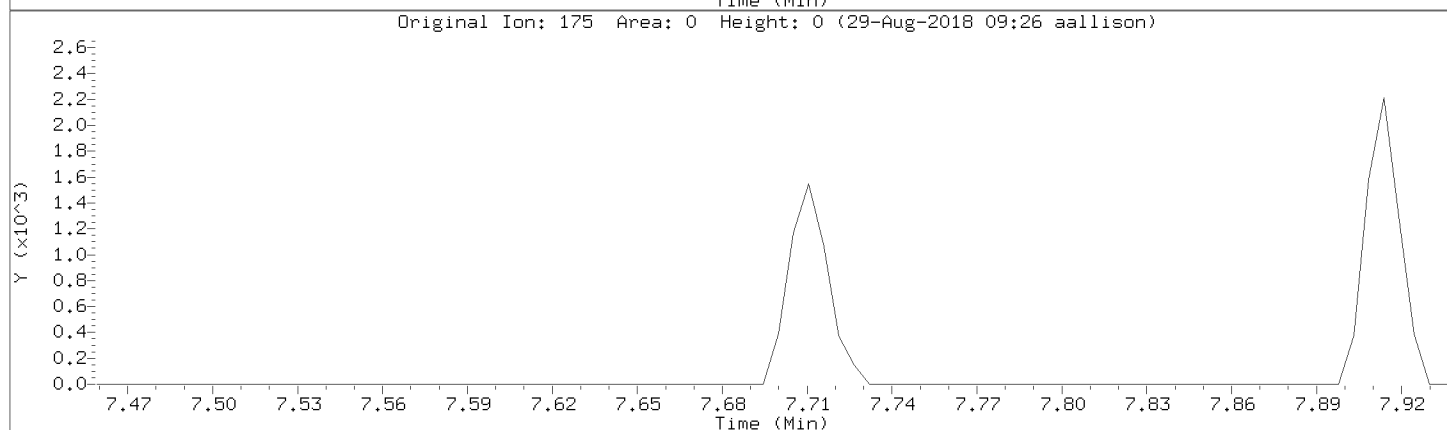
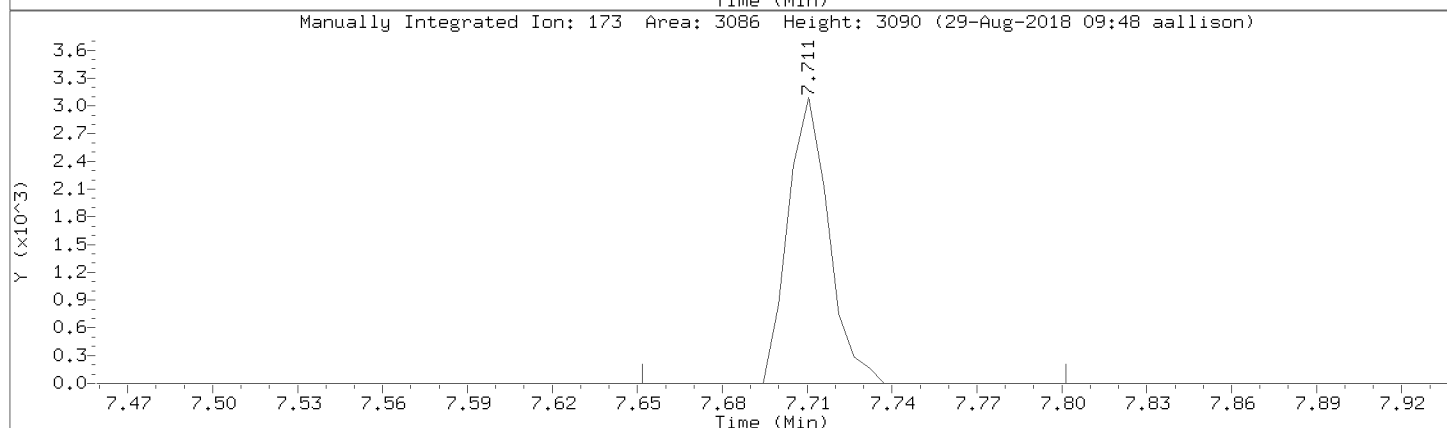
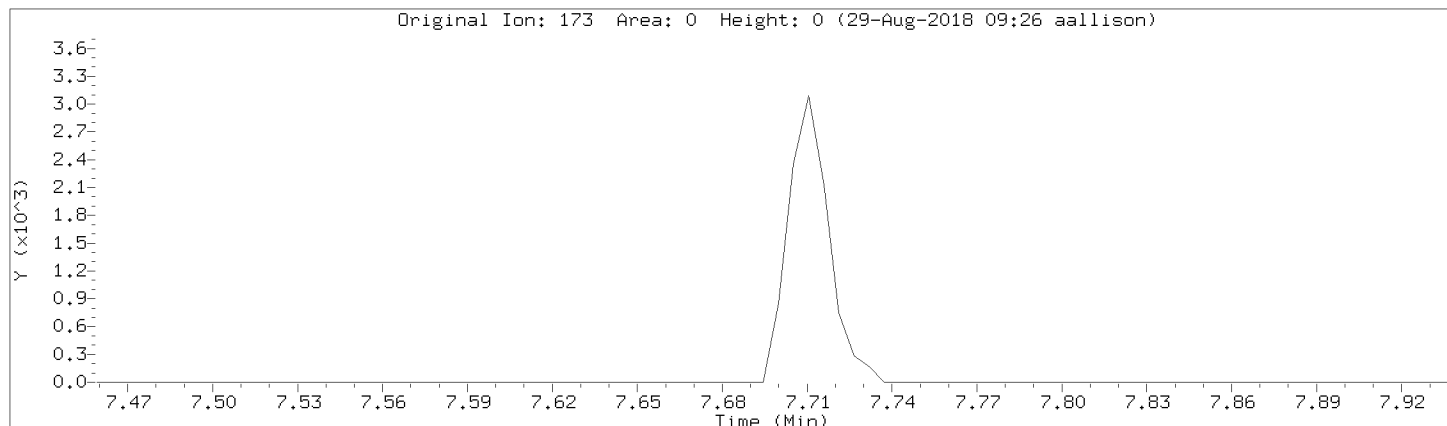


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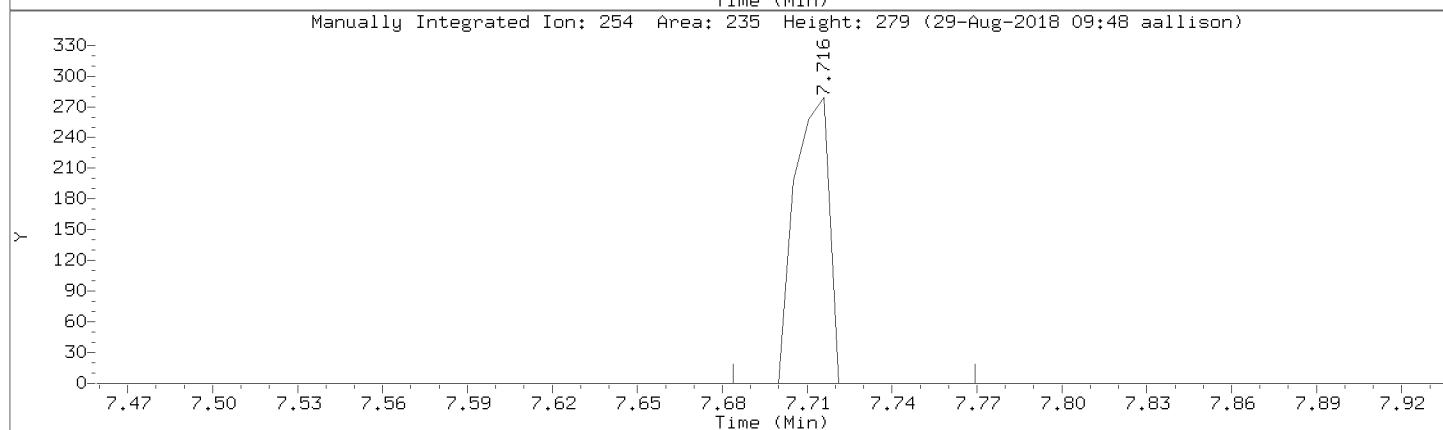
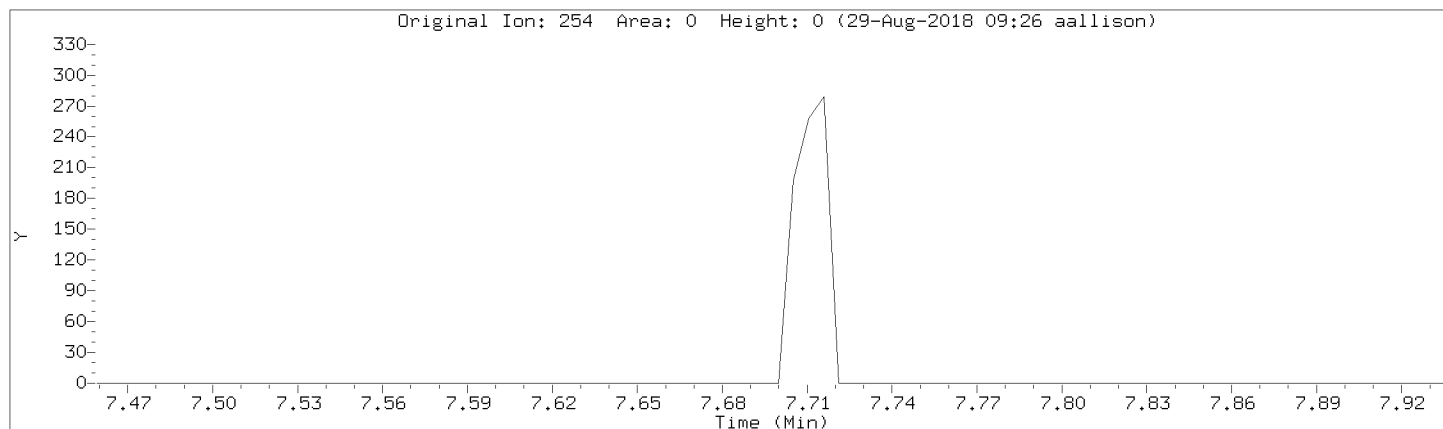


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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL4

Compound: Bromoform Review Code: NI
CAS Number: 75-25-2



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Injection Date: 28-AUG-2018 16:15
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL4



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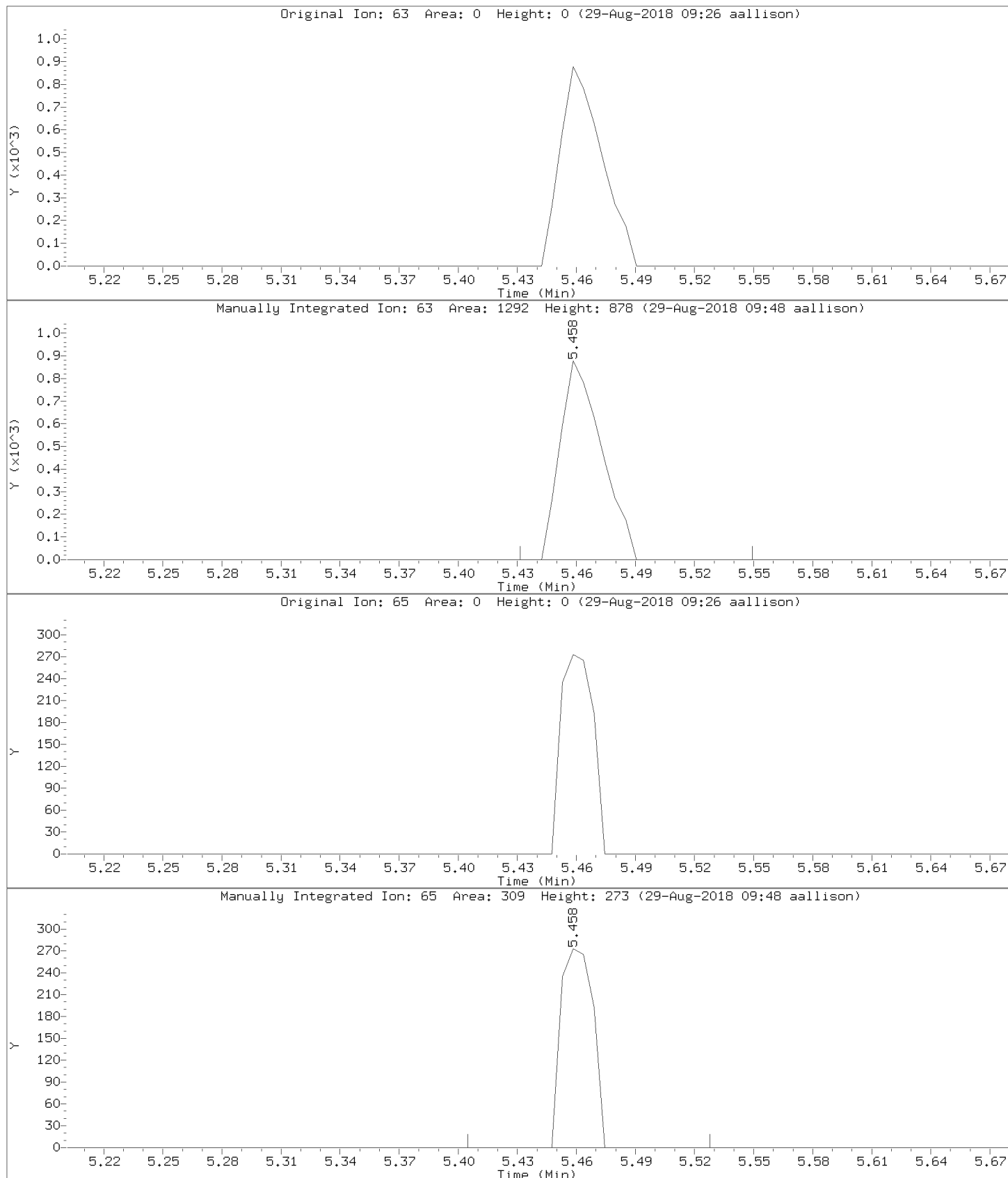
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL4

Compound: 2-Chloroethyl vinyl ether

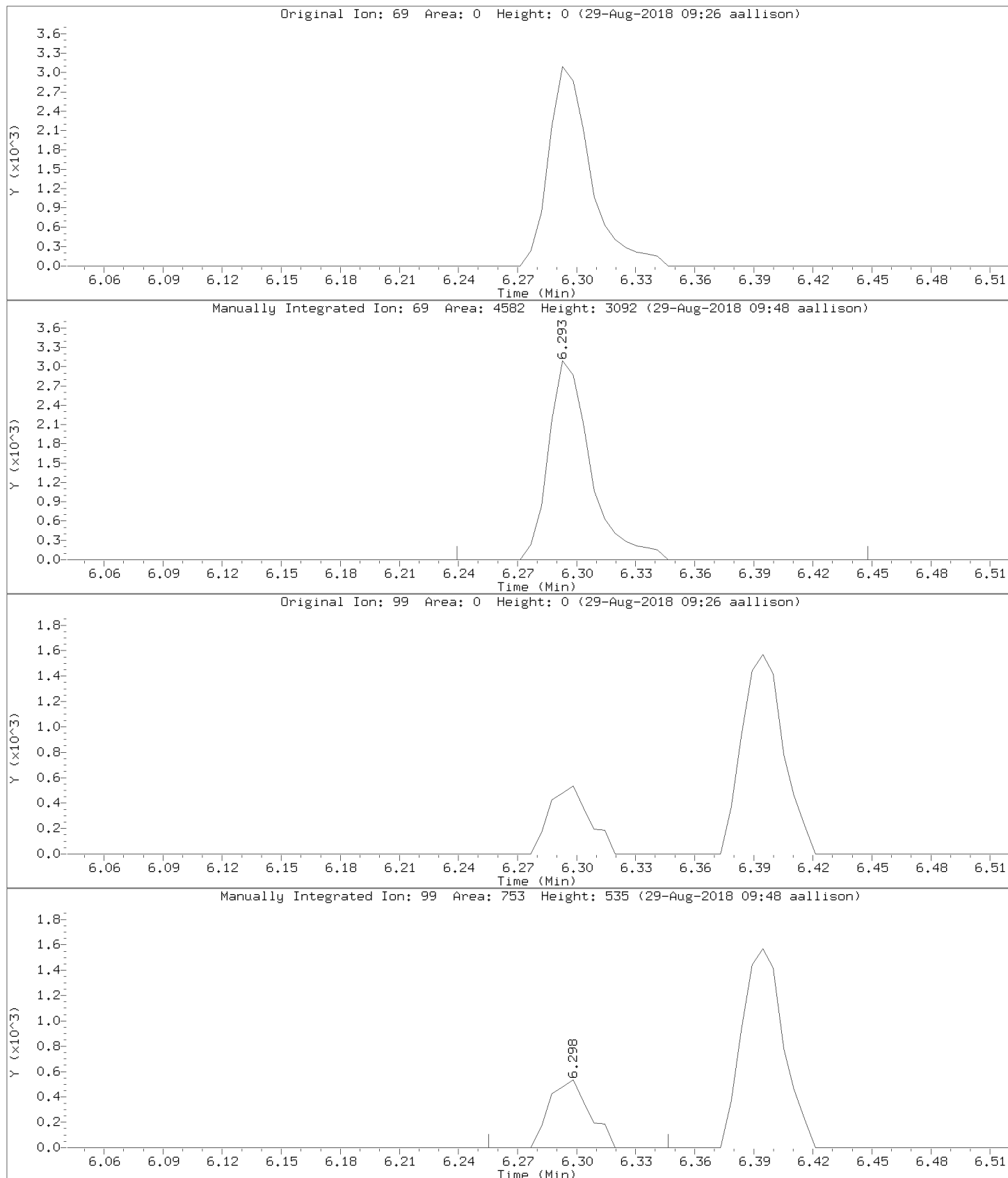
Review Code: NI

CAS Number: 110-75-8

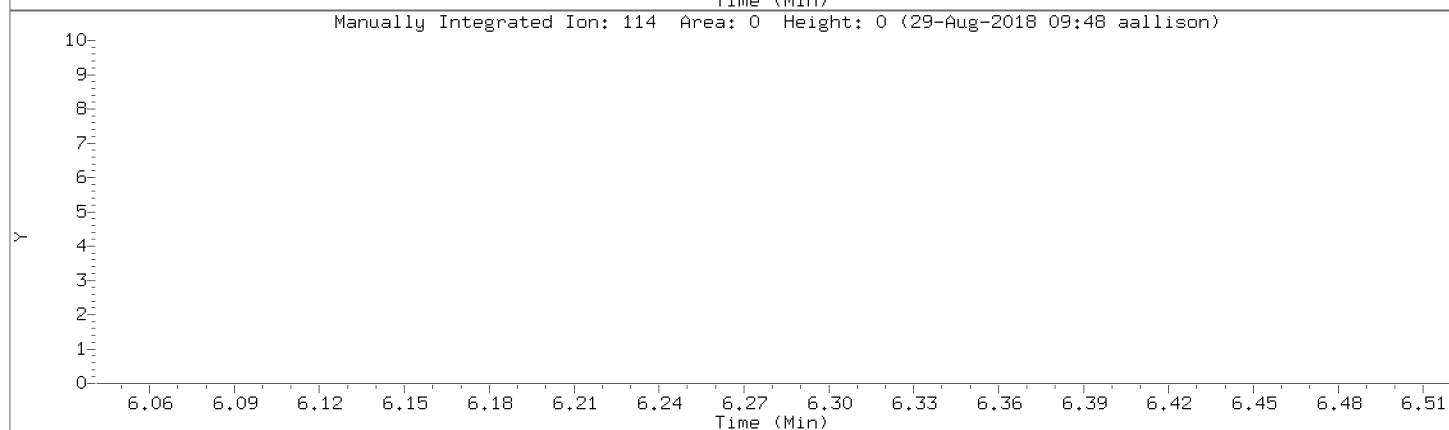
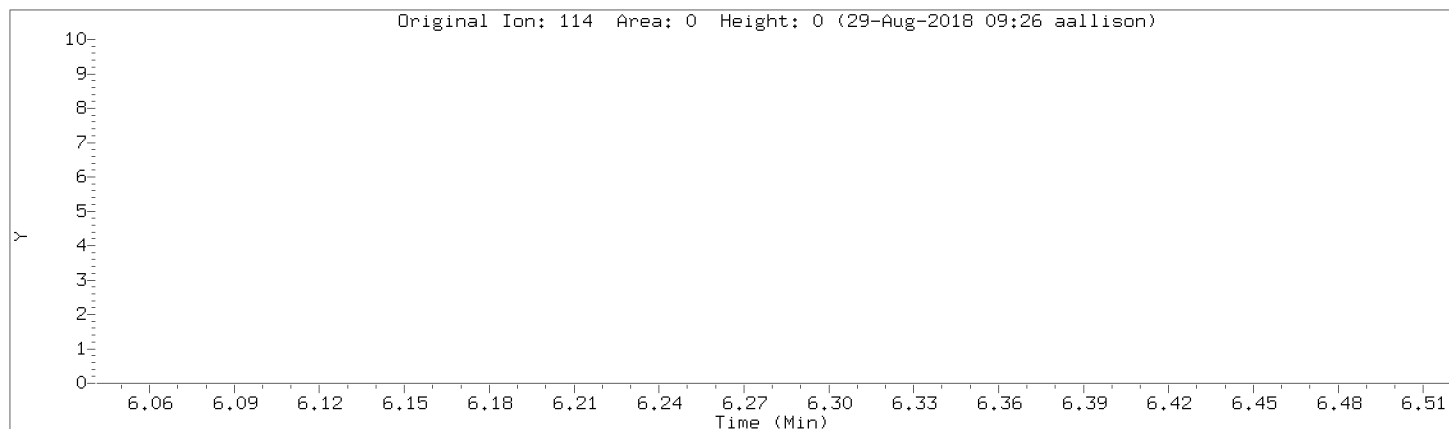


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Compound: Ethyl Methacrylate Review Code: NI
CAS Number:

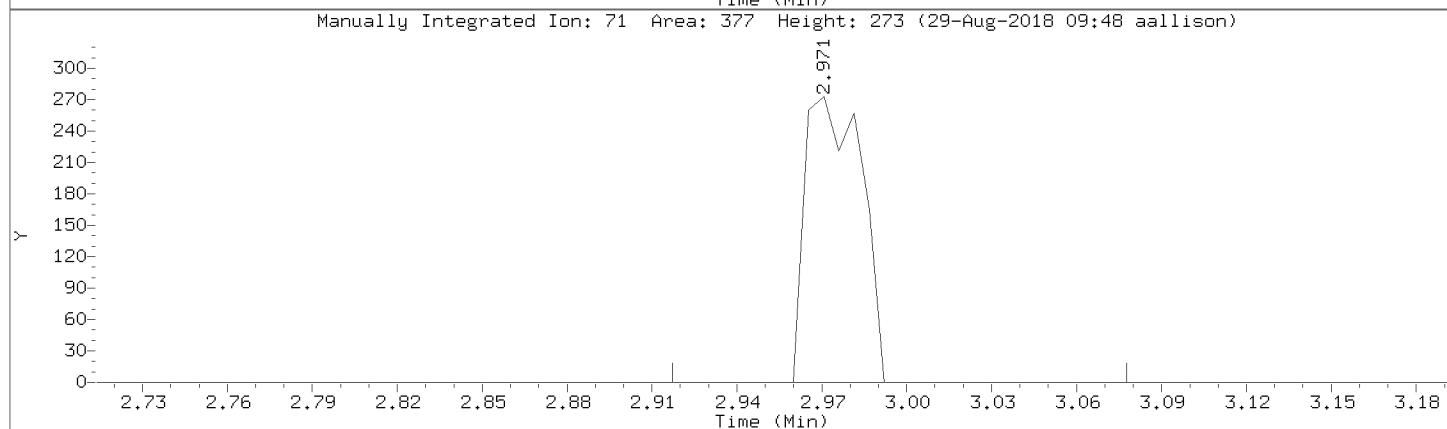
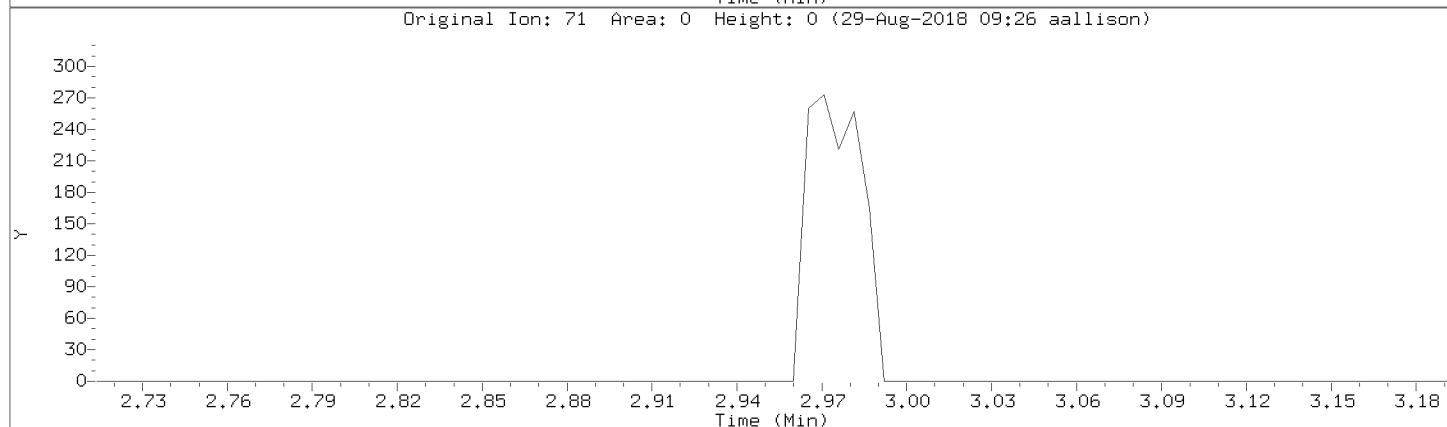
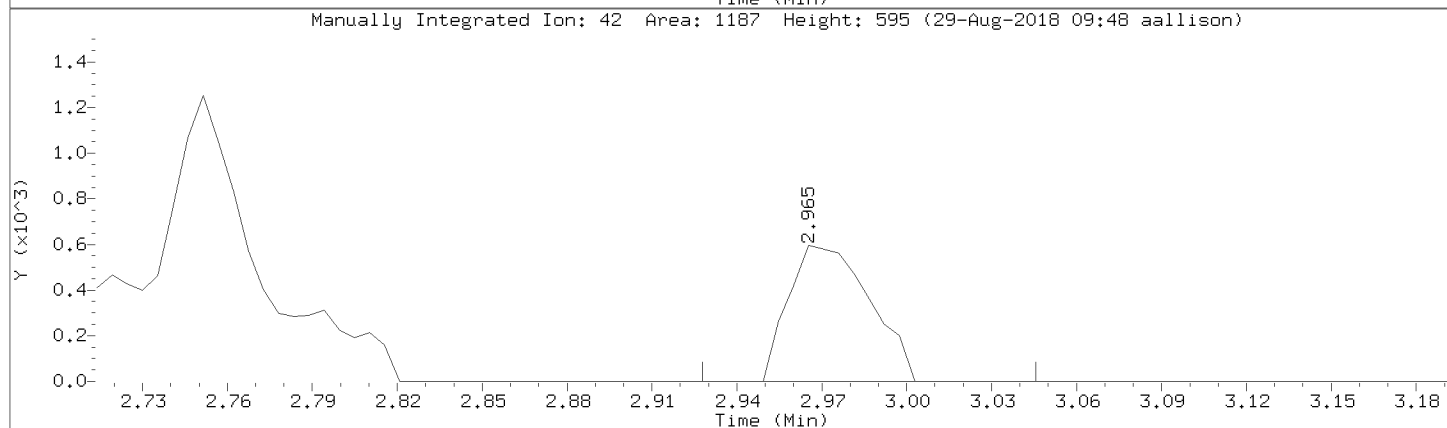
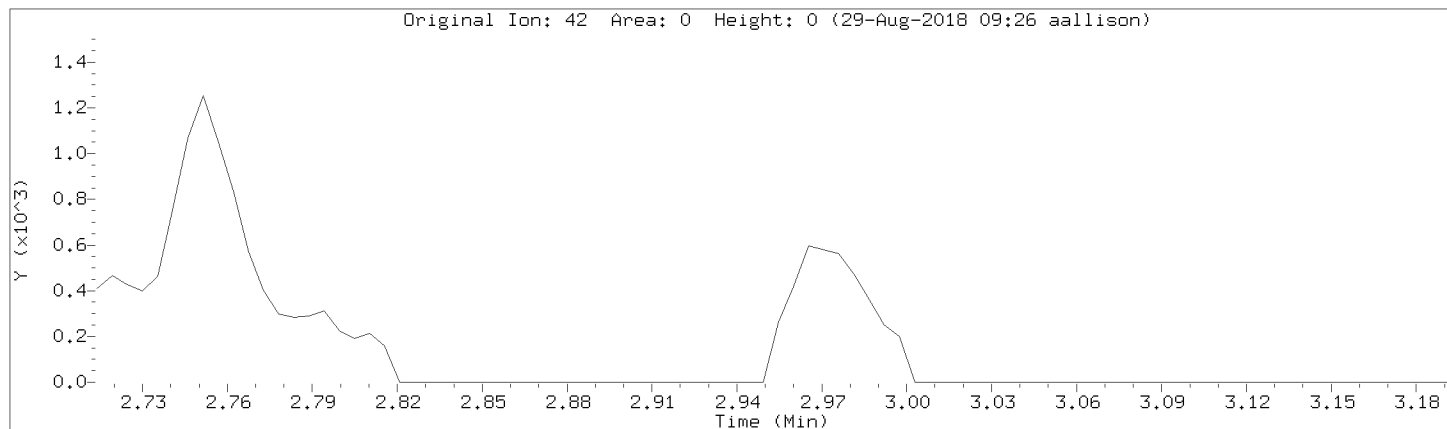


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Lab Sample ID: 8260-CAL4

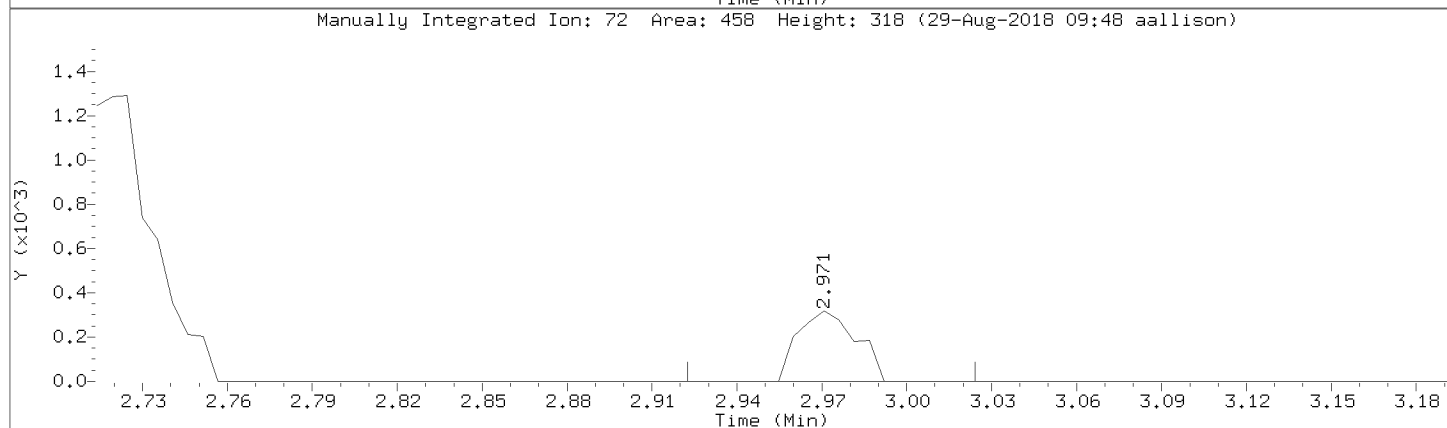
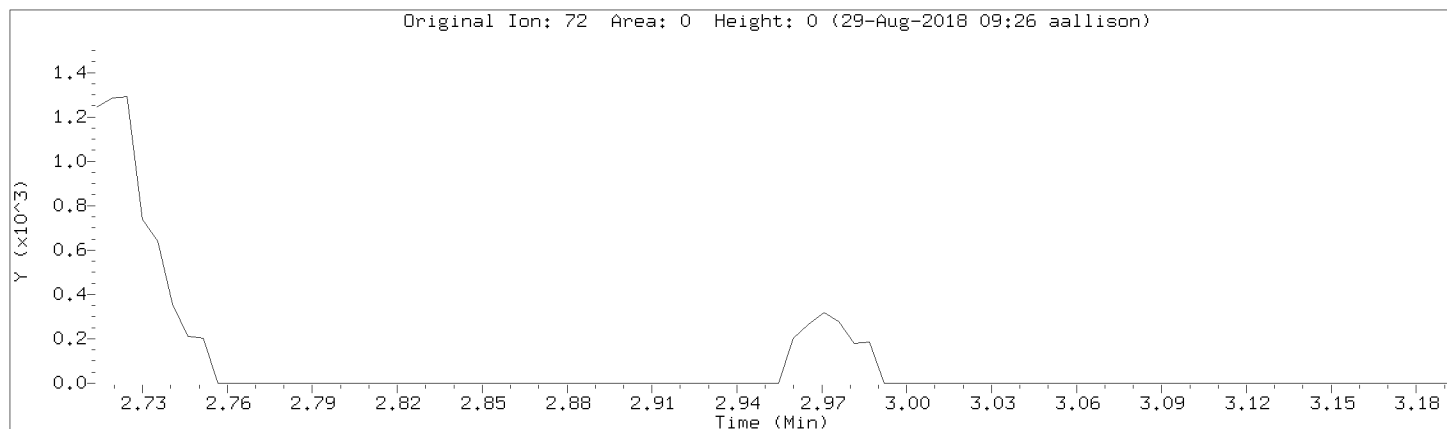


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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL4

Compound: Tetrahydrofuran Review Code: NI
CAS Number:



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Lab Sample ID: 8260-CAL4



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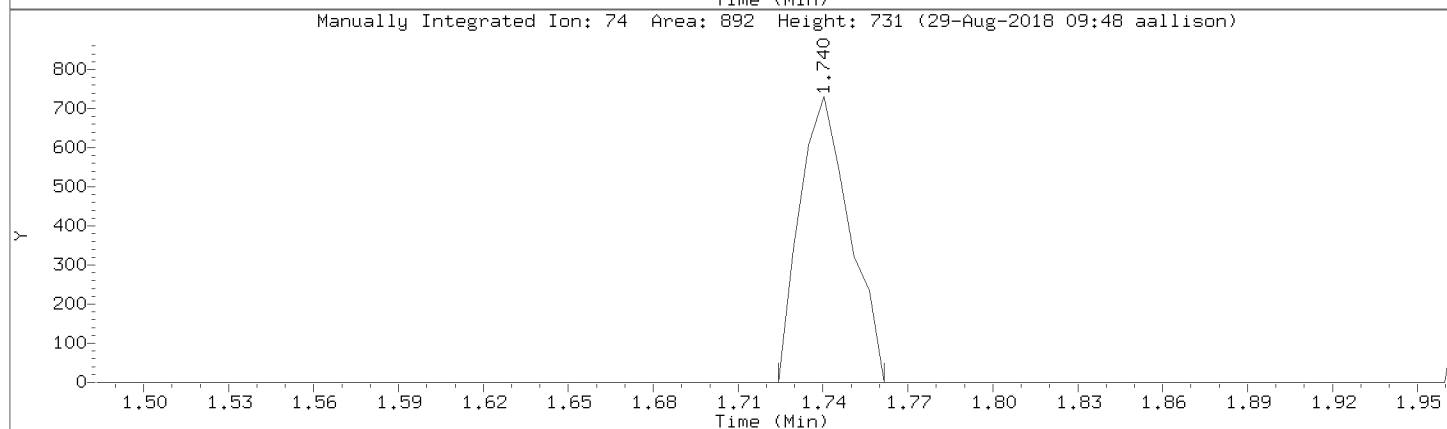
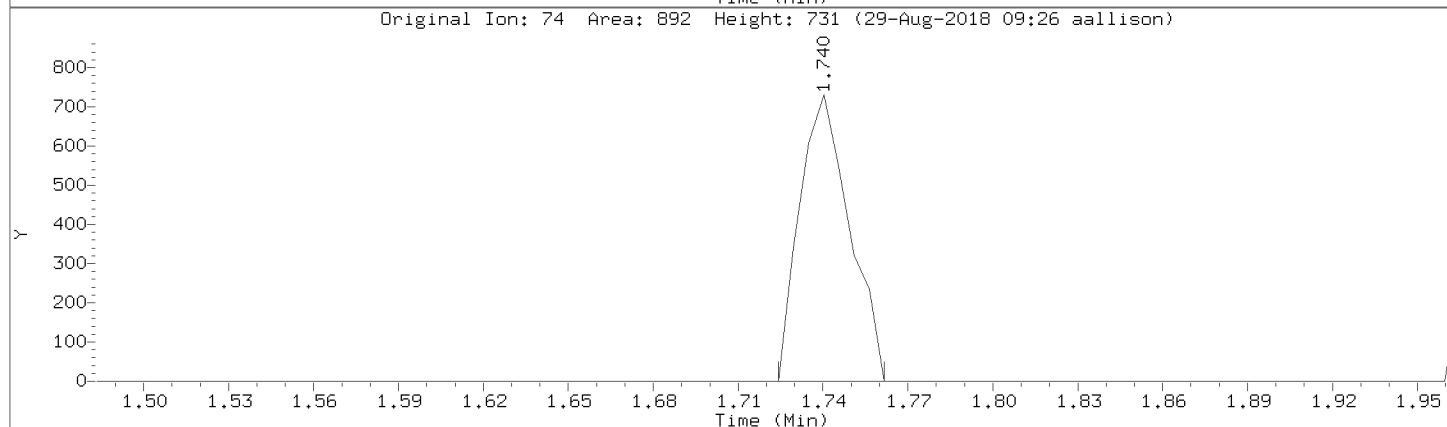
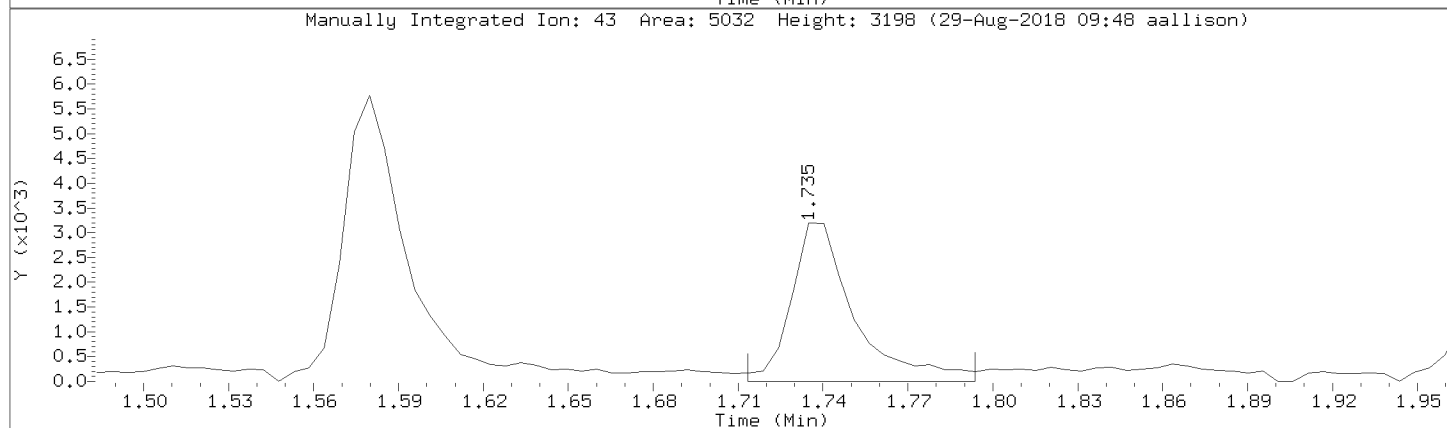
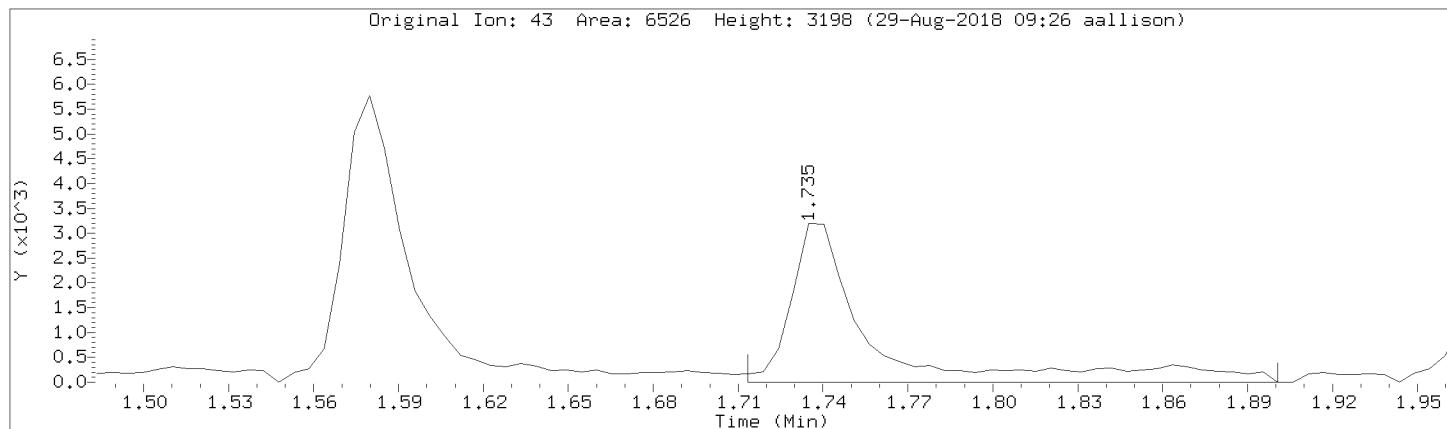
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL4

Compound: Methyl Acetate

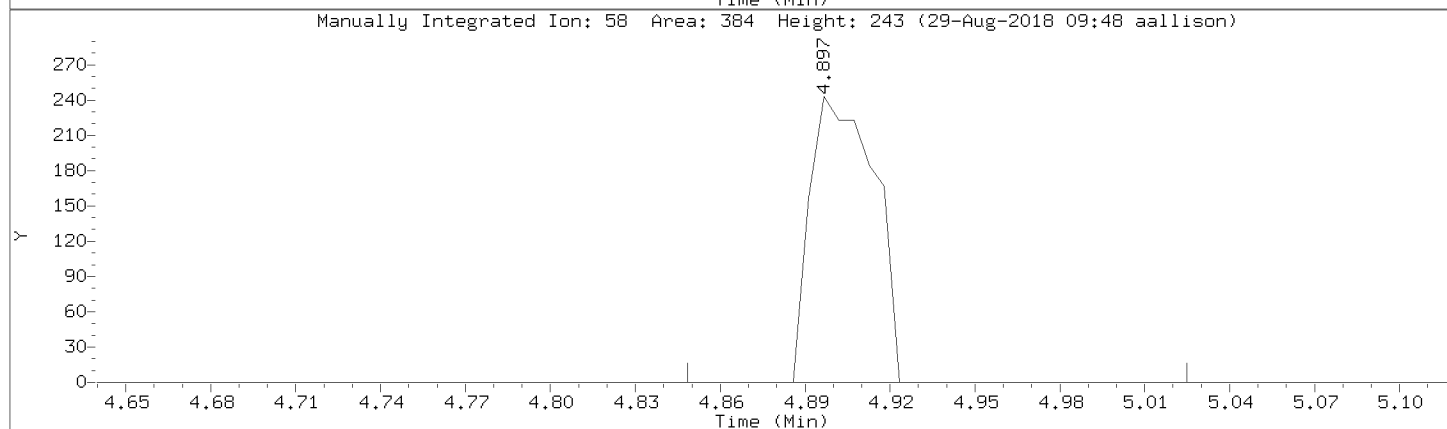
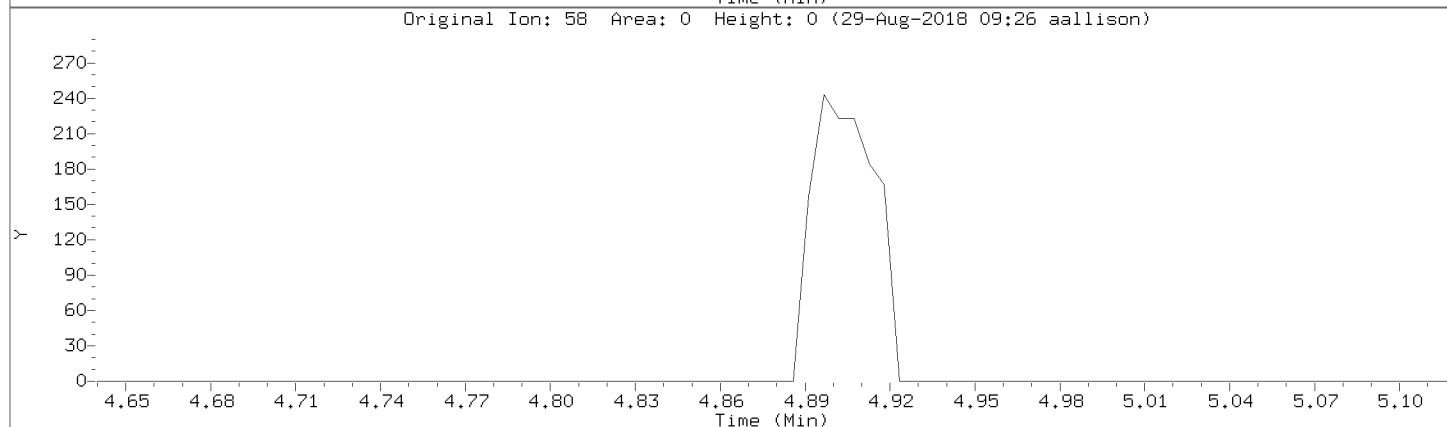
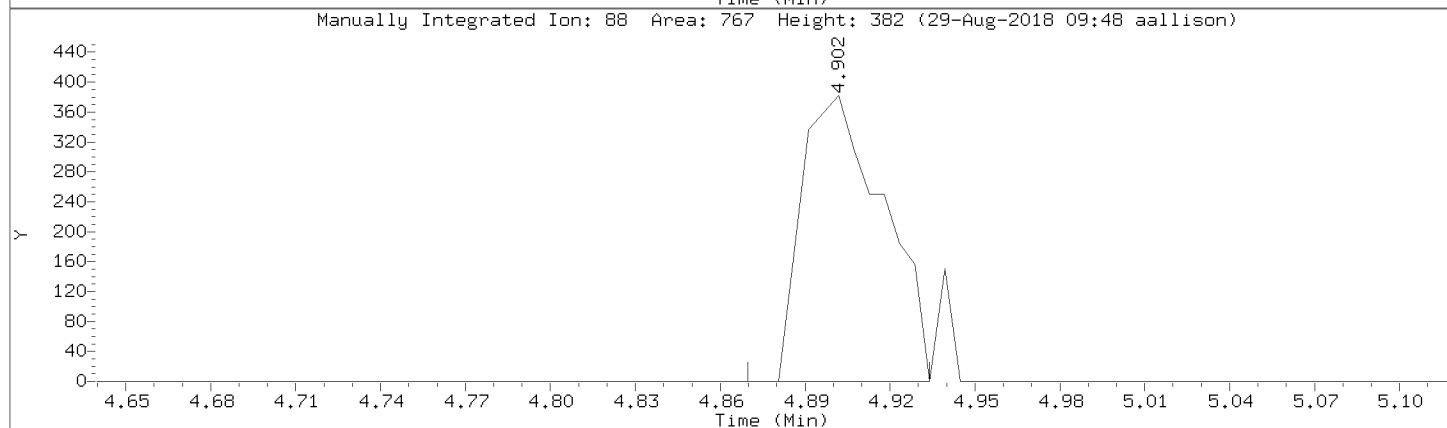
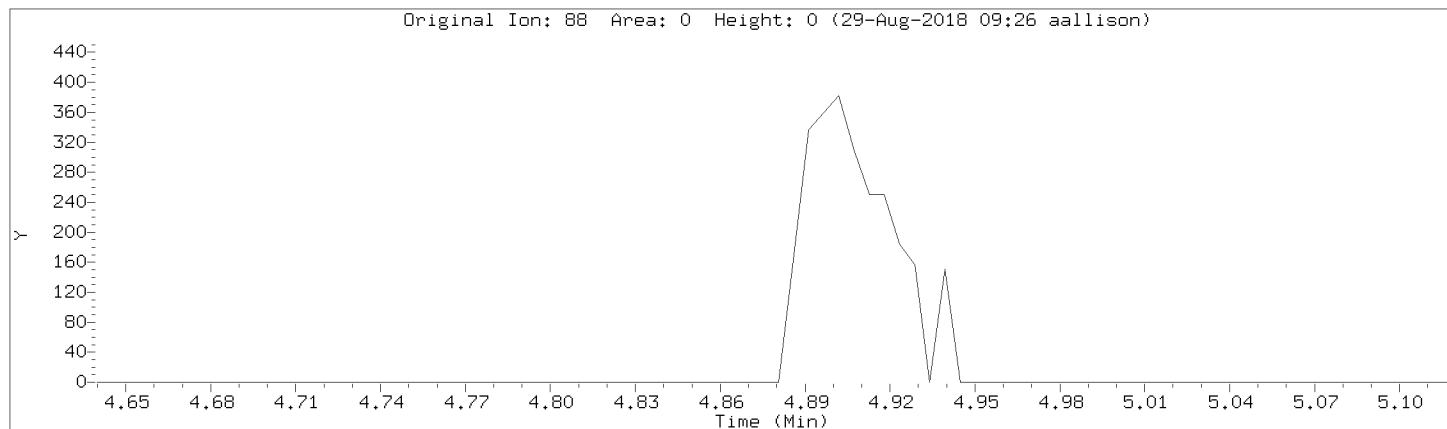
Review Code: GT

CAS Number: 79-20-9



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Injection Date: 28-AUG-2018 16:15
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL4

Compound: 1,4-Dioxane Review Code: NI
CAS Number:



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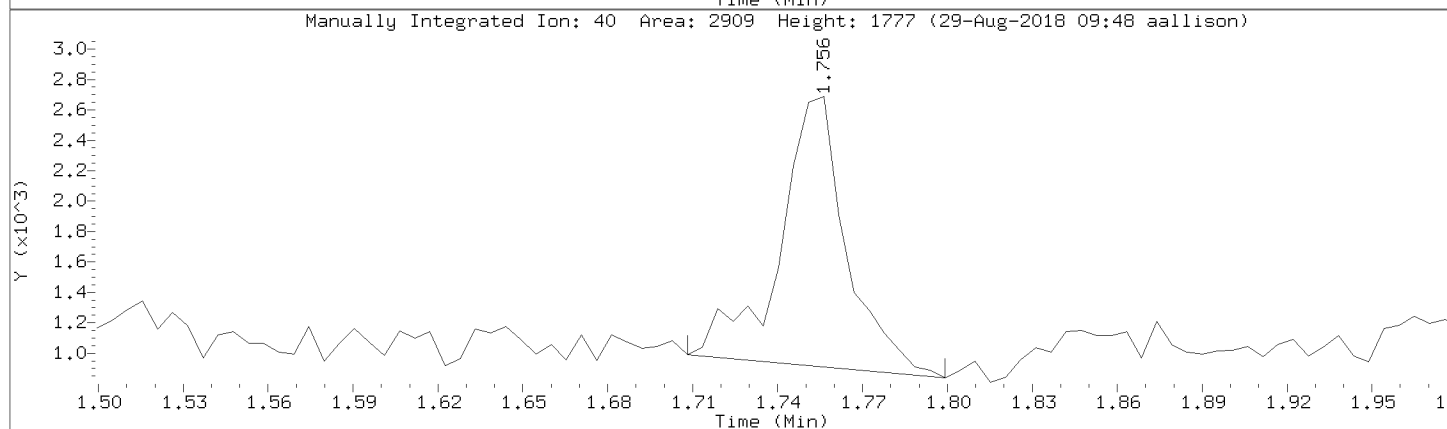
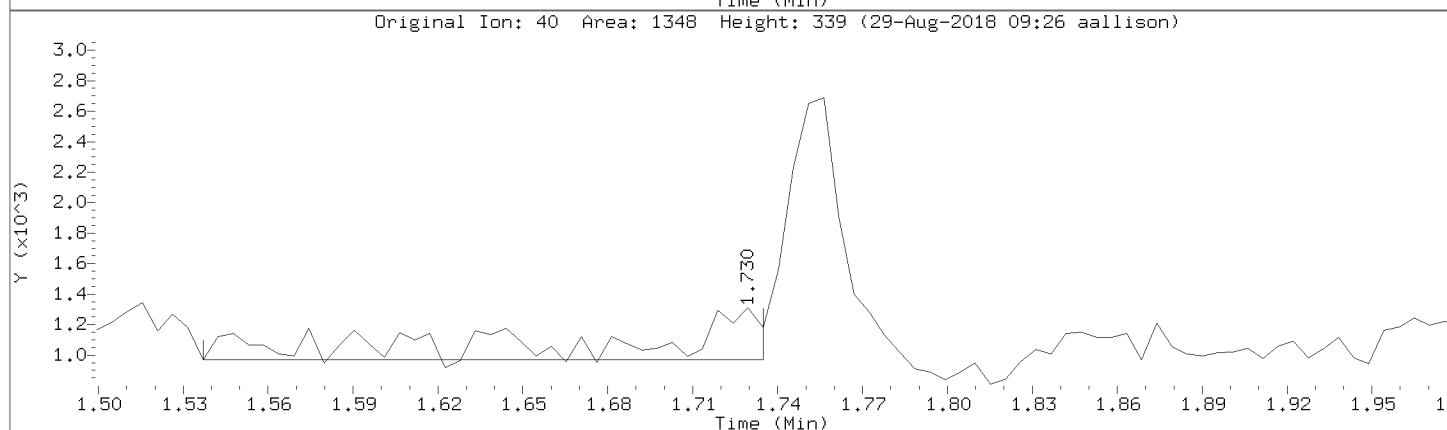
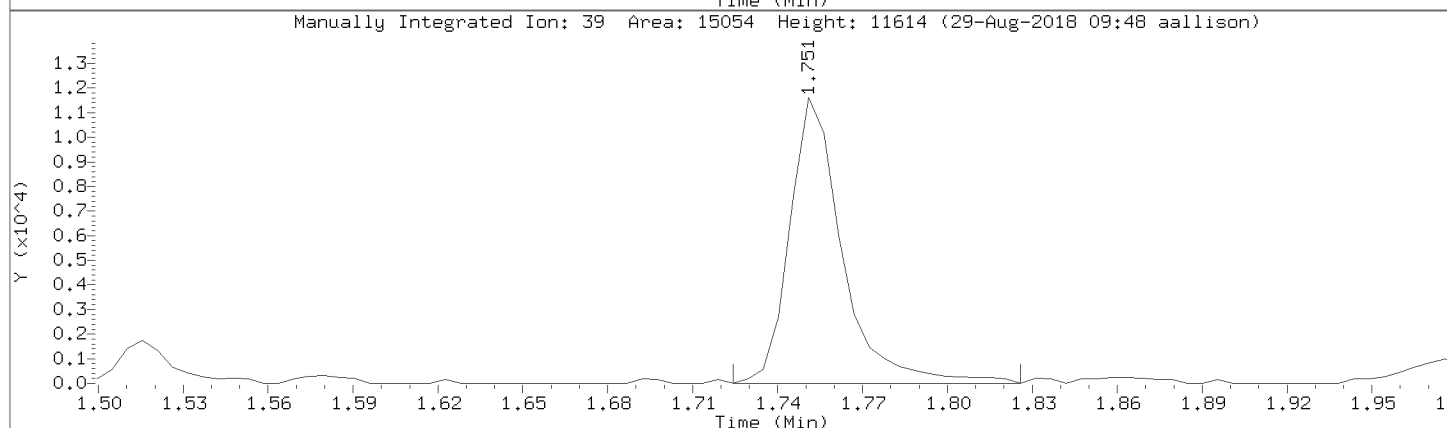
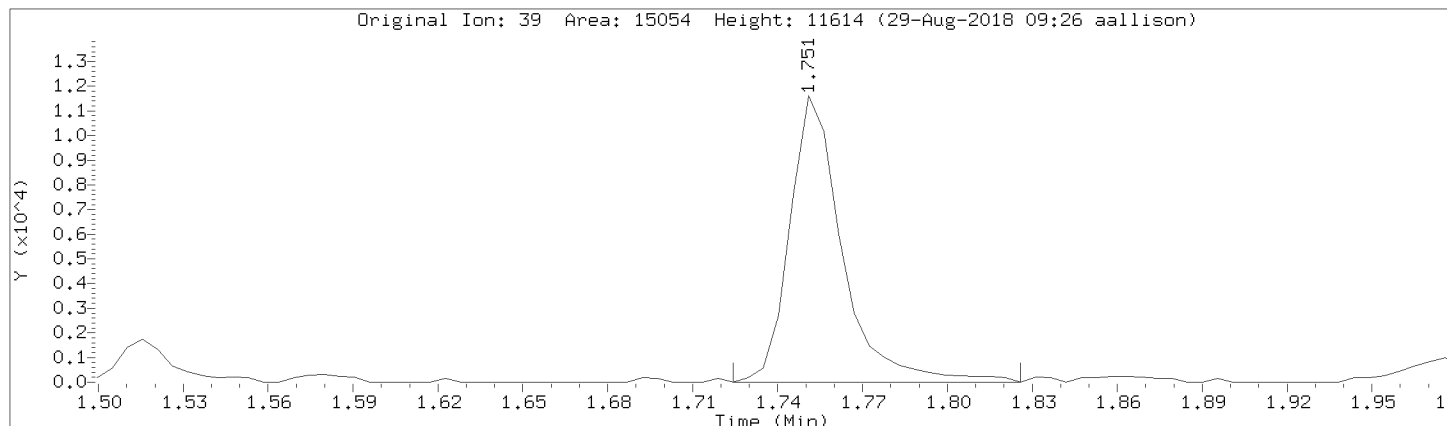
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Lab Sample ID: 8260-CAL4

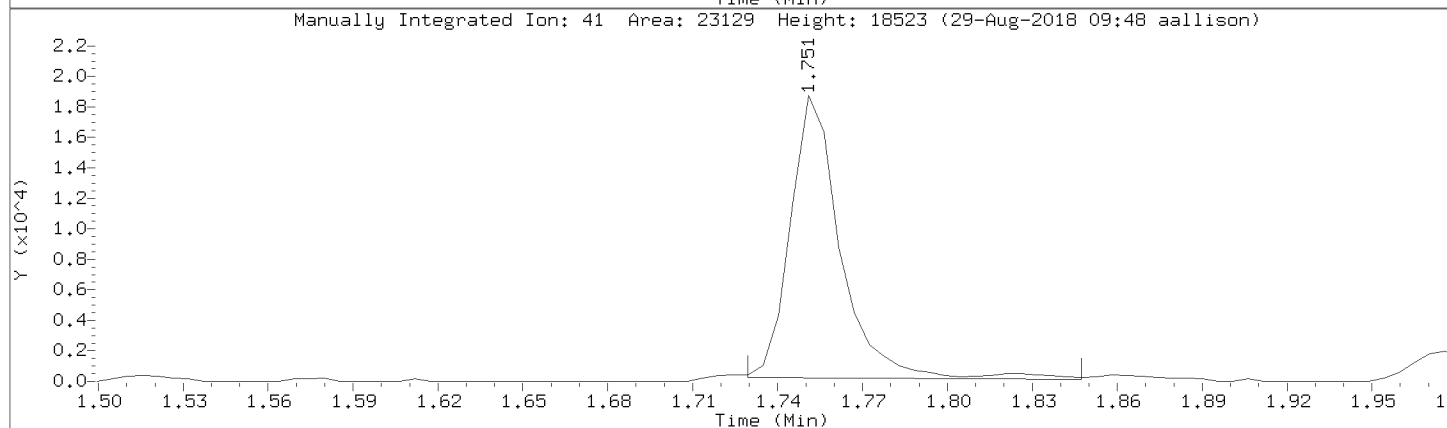
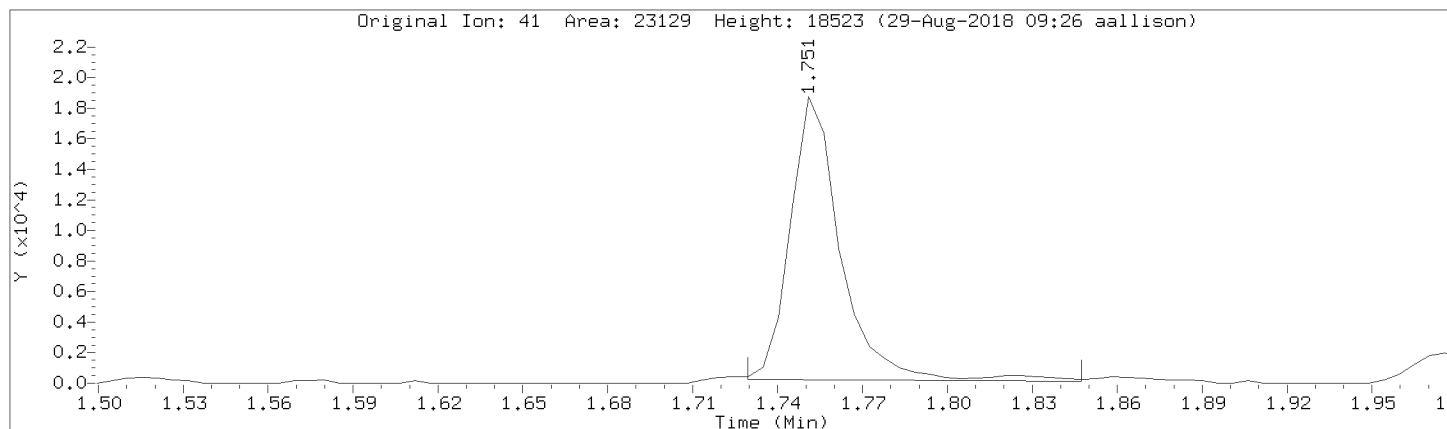
Compound: Acetonitrile

Review Code: WP

CAS Number: 75-05-8

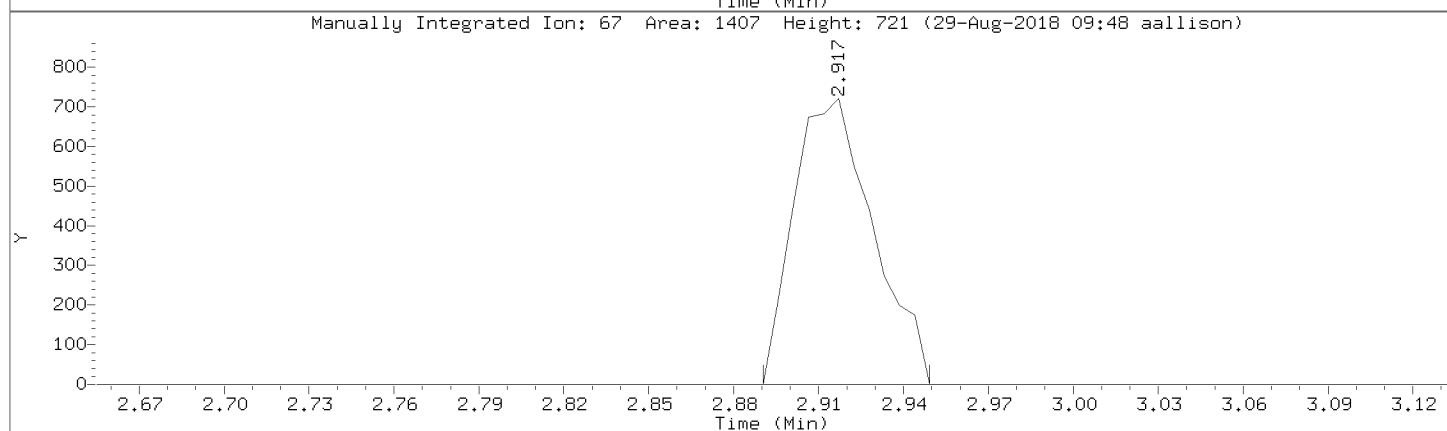
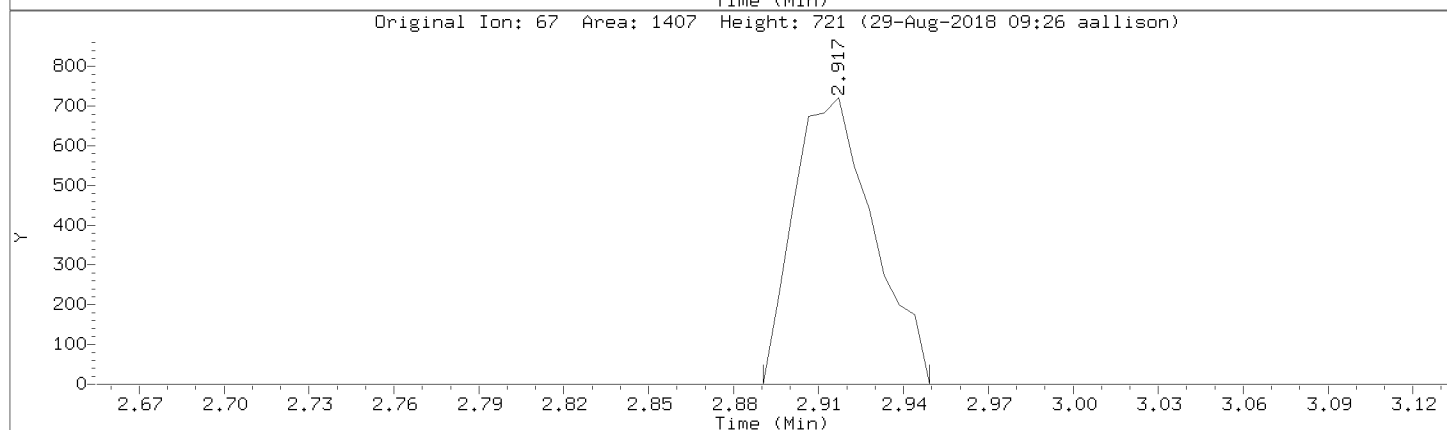
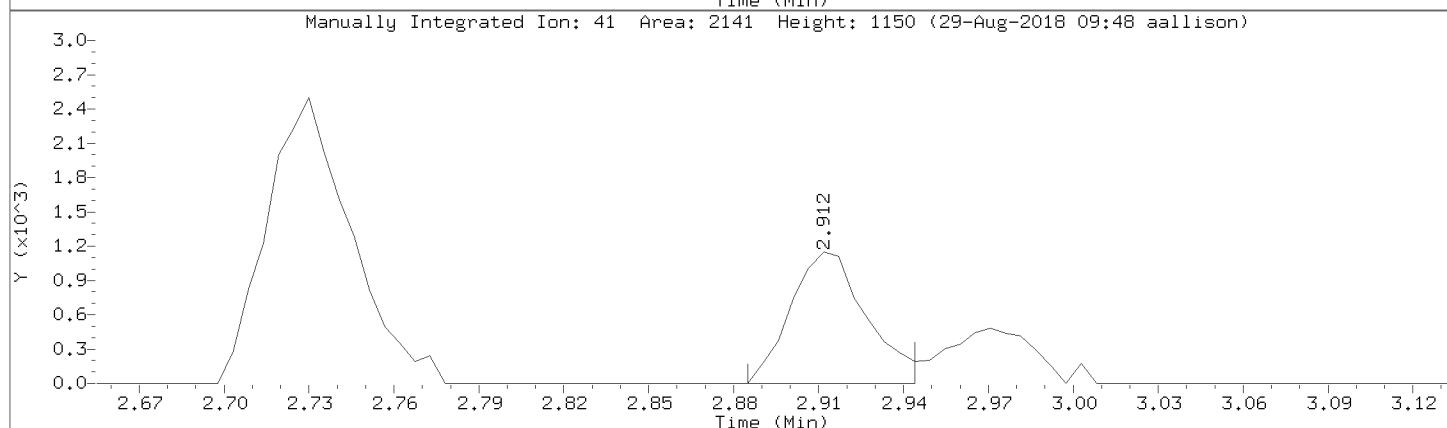
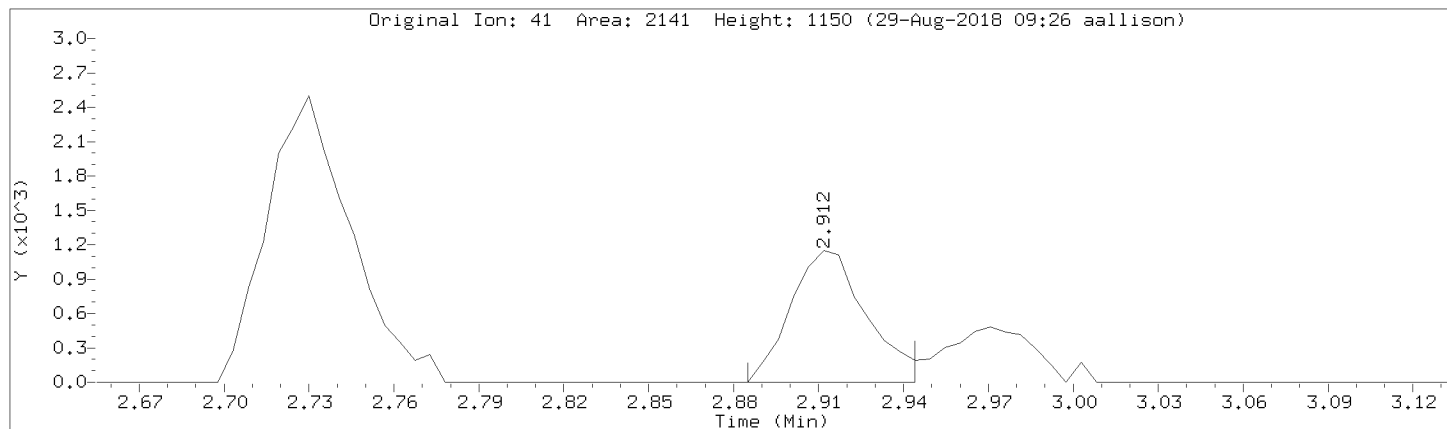


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Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL4

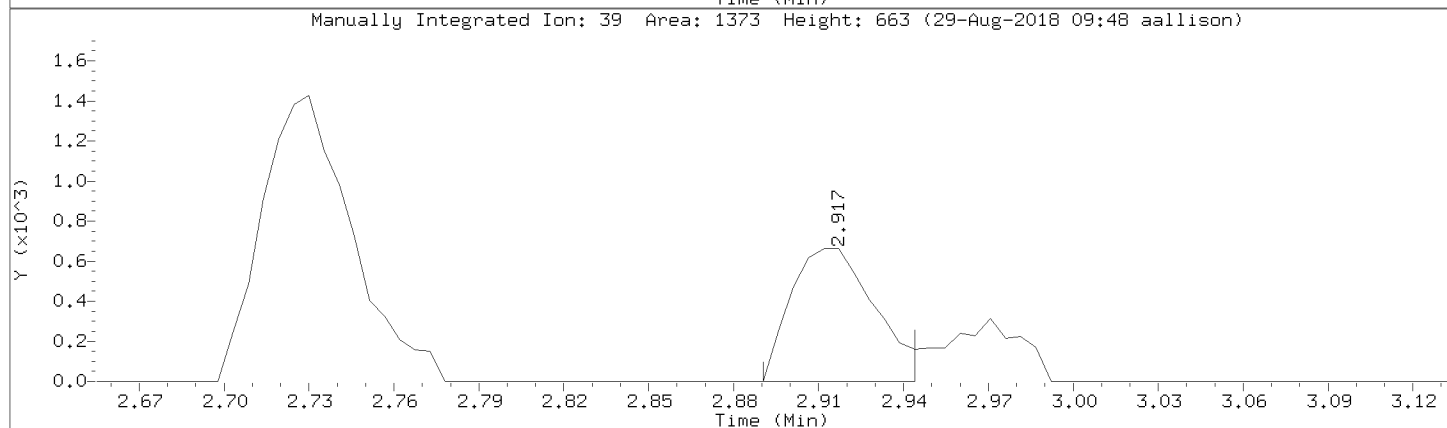
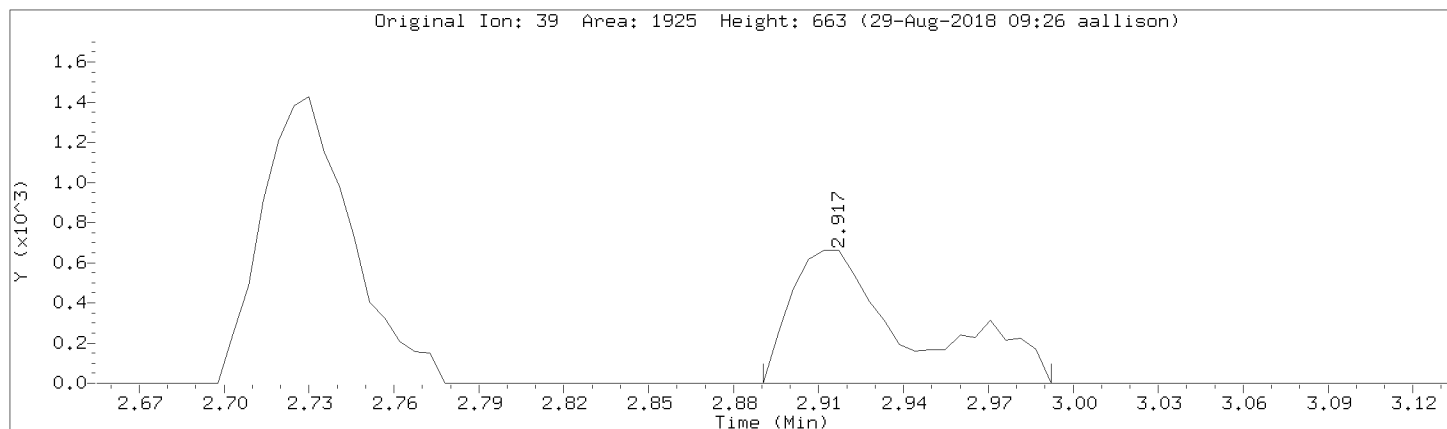


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Injection Date: 28-AUG-2018 16:15
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL4

Compound: Methacrylonitrile Review Code: CO
CAS Number: 126-98-7



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a04.d
Injection Date: 28-AUG-2018 16:15
Instrument: 50mv6a.i
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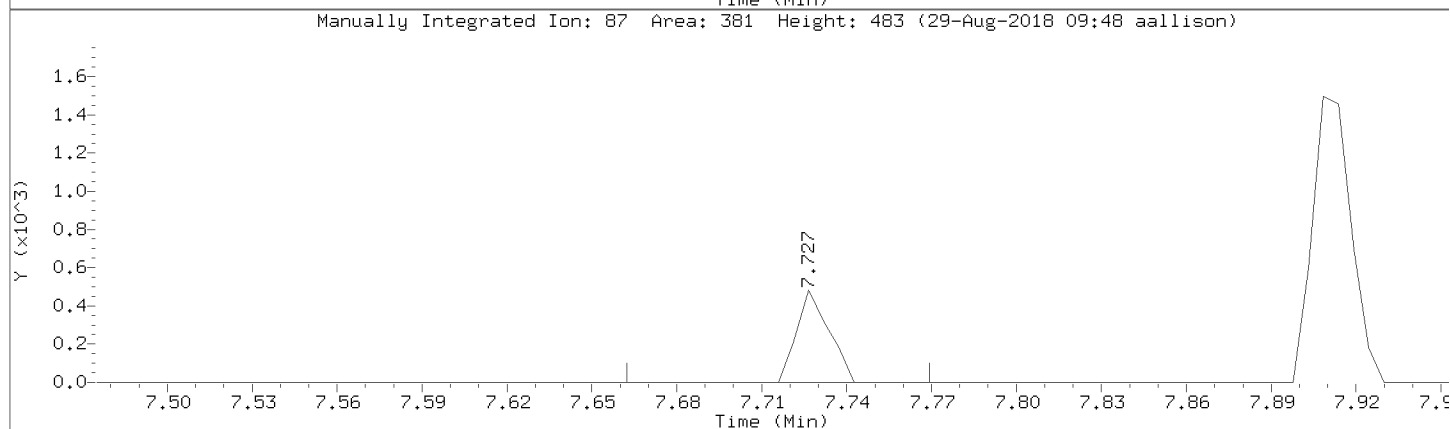
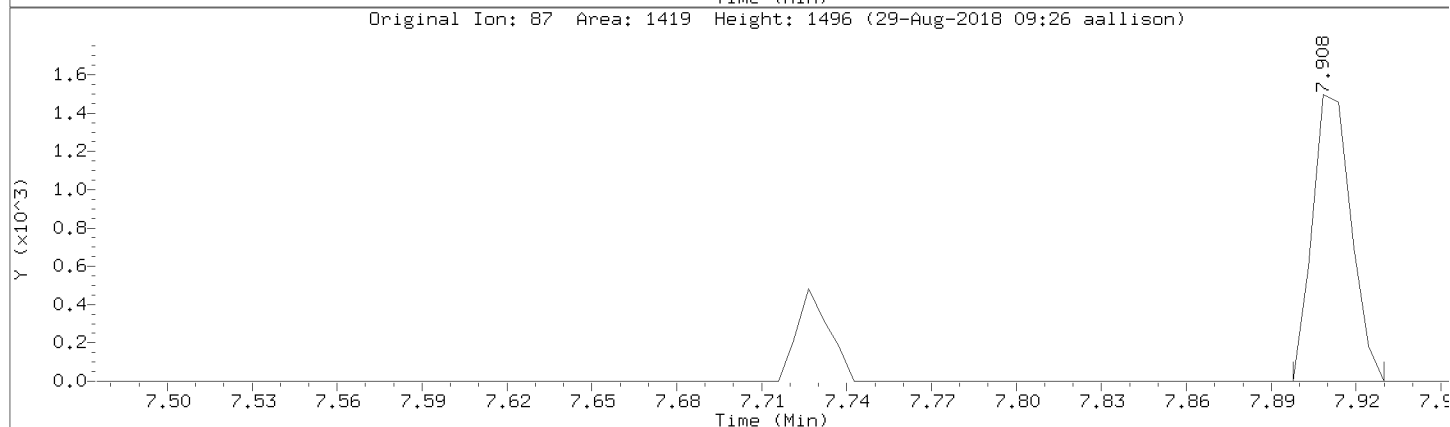
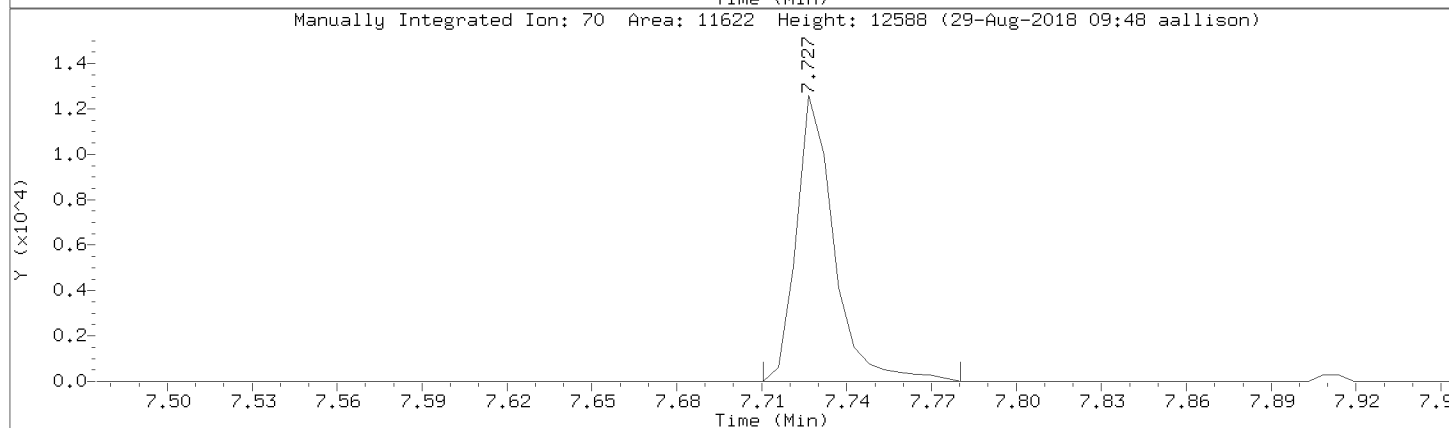
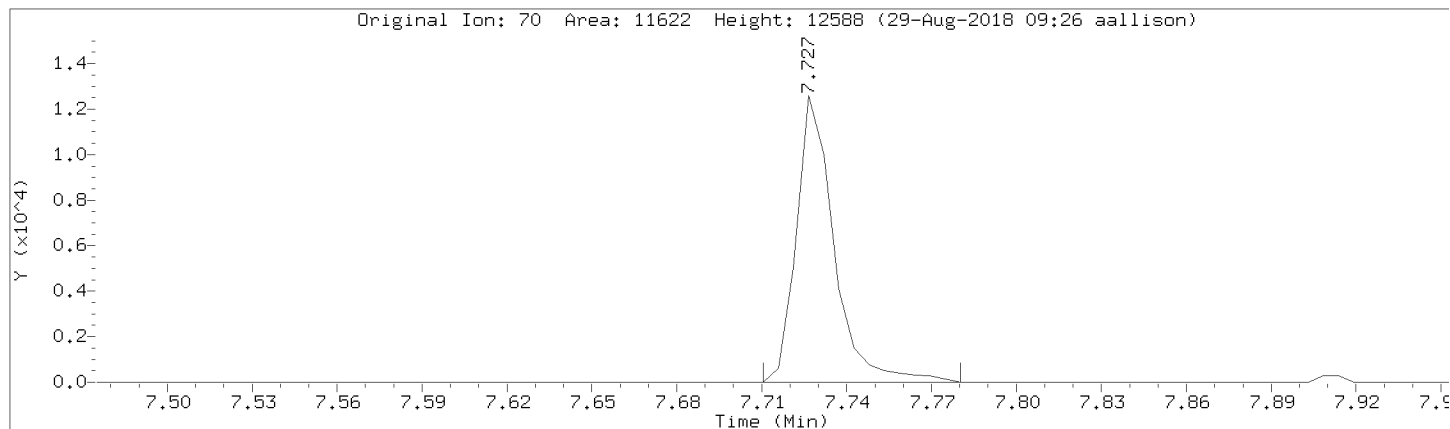
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL4

Compound: n-amyl acetate

Review Code: WP

CAS Number: 628-63-7

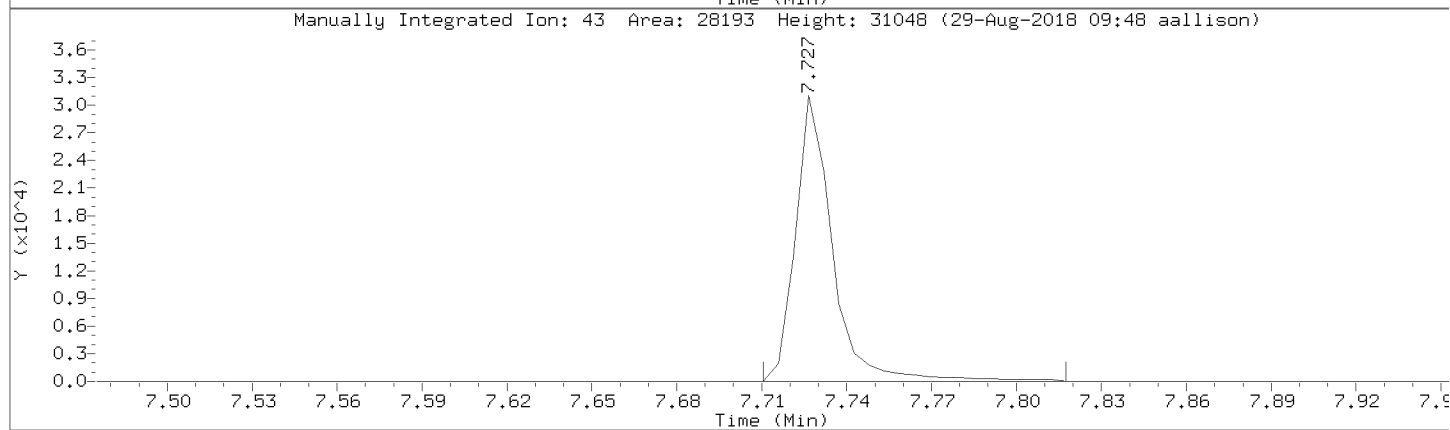
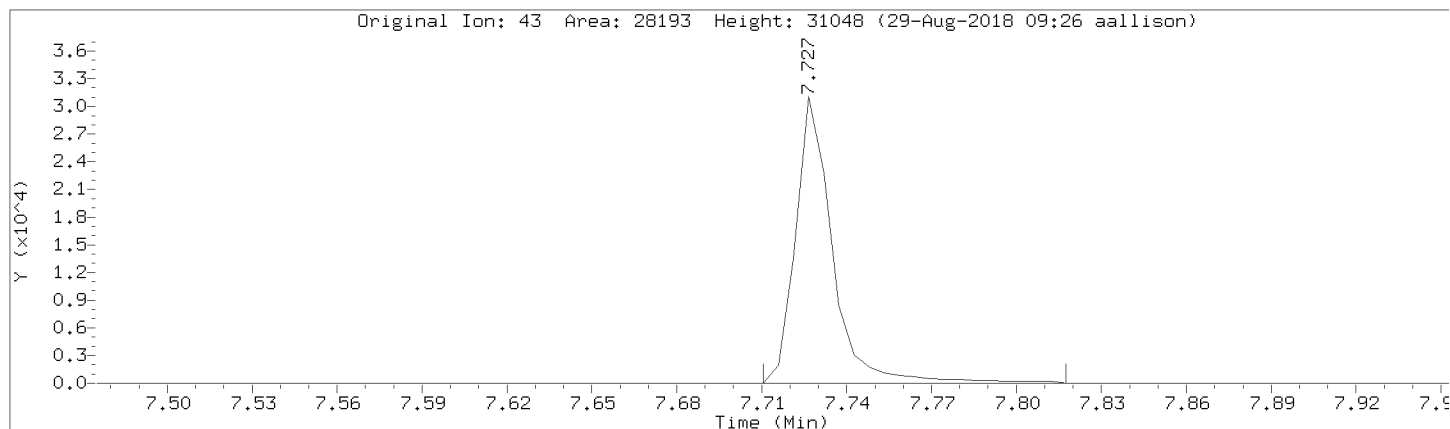


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Injection Date: 28-AUG-2018 16:15

Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL4



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Injection Date: 28-AUG-2018 16:15

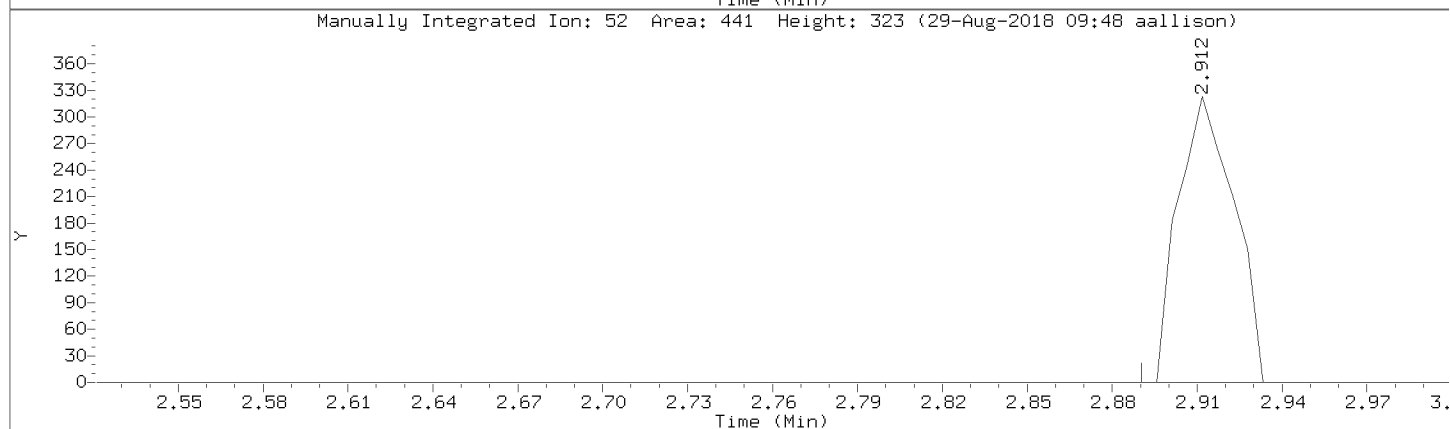
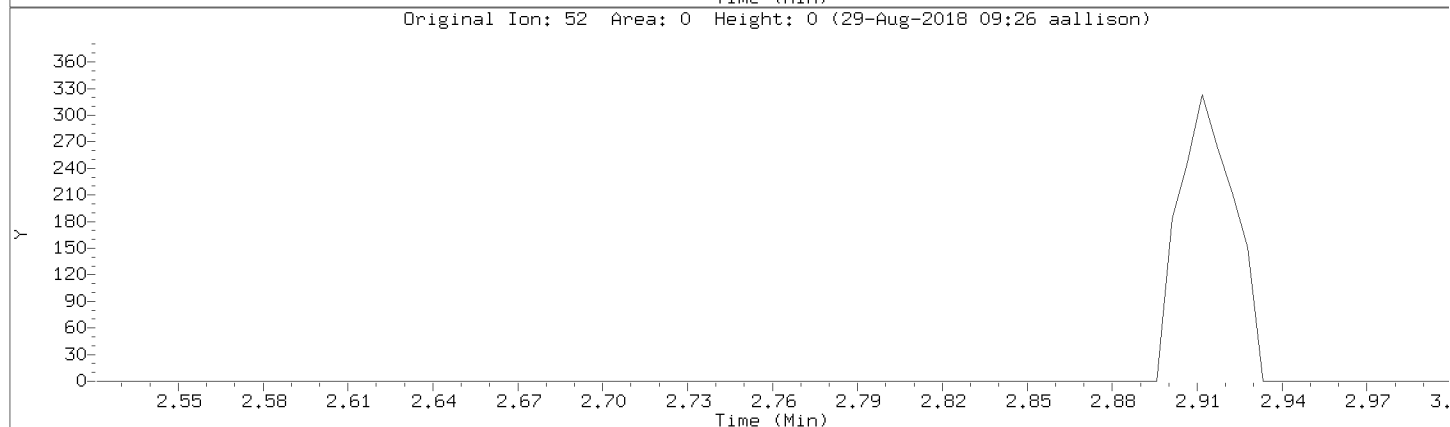
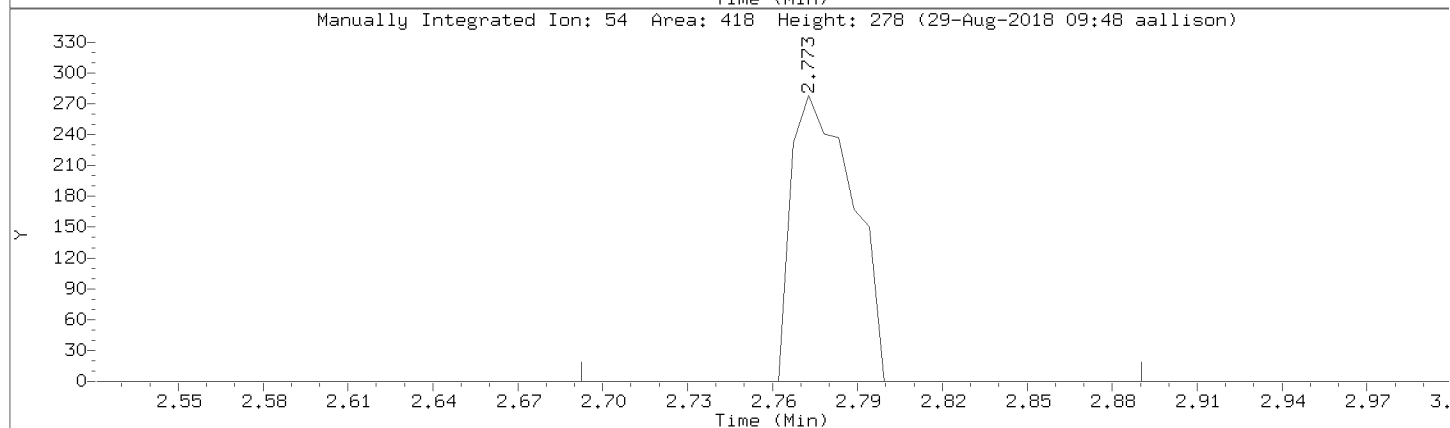
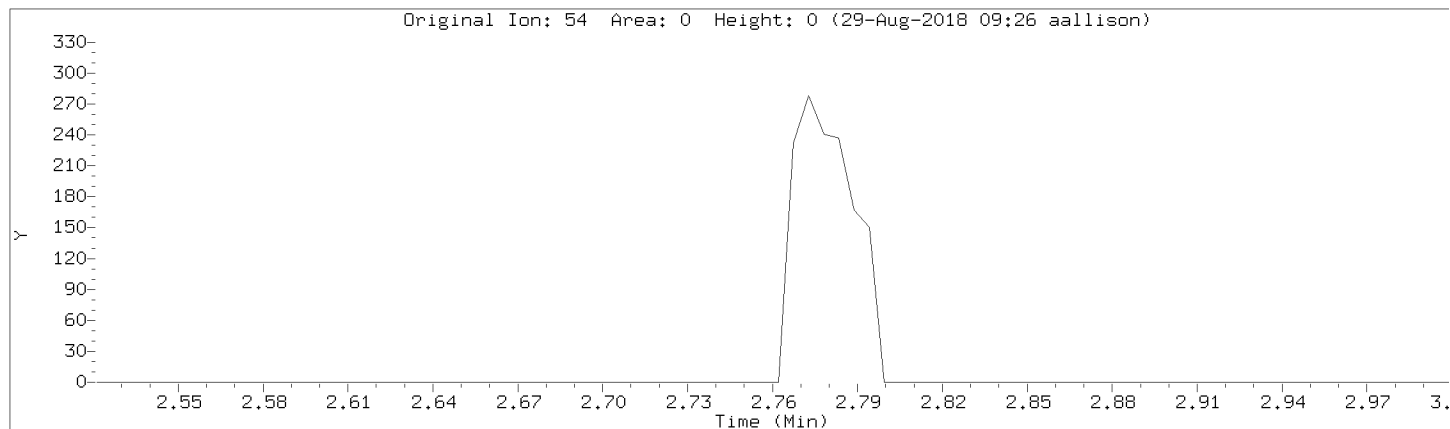
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Lab Sample ID: 8260-CAL4

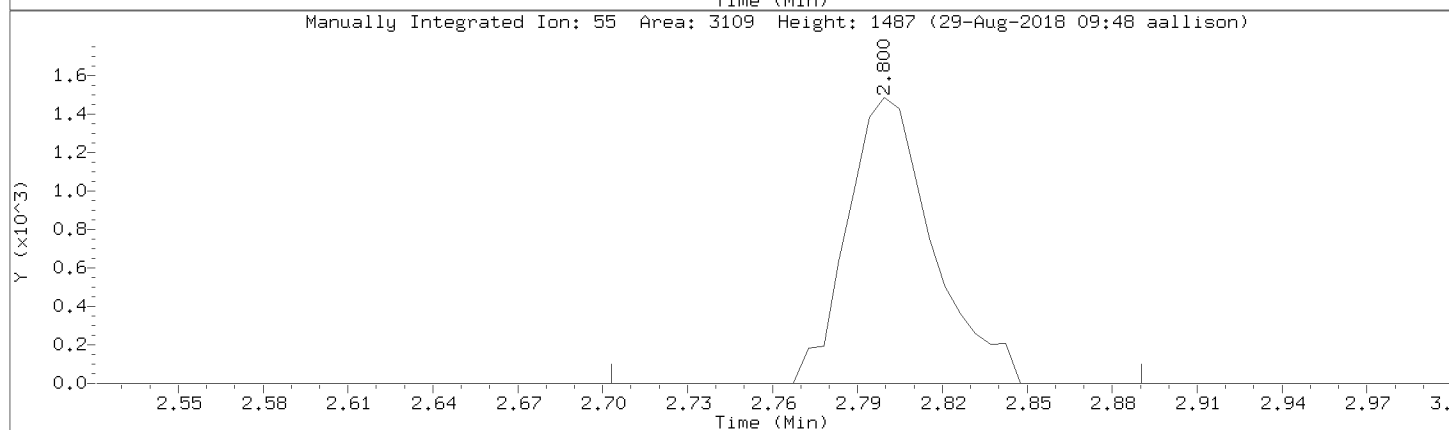
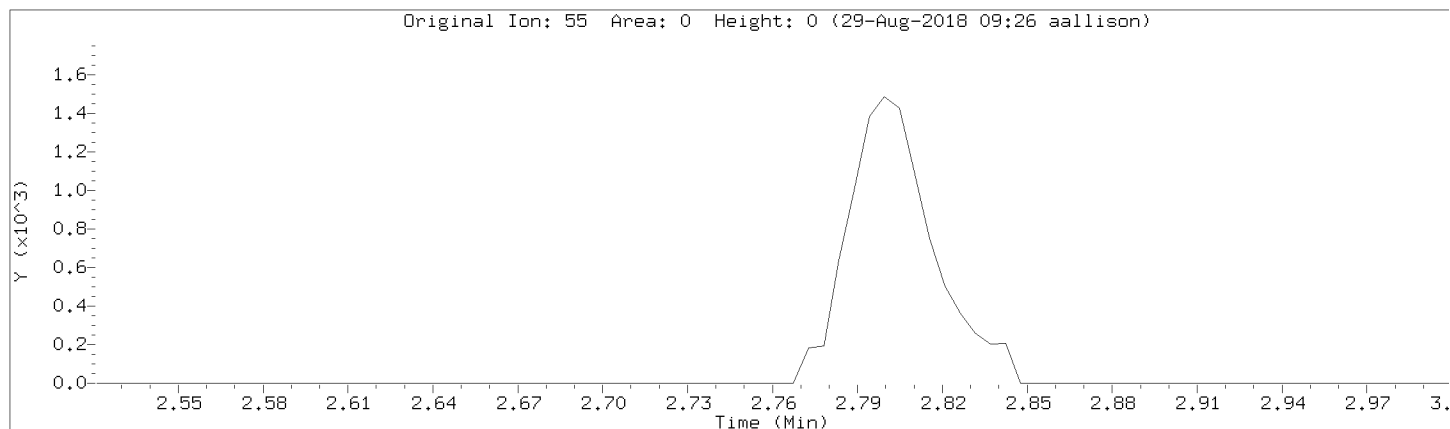
Compound: Propionitrile

Review Code: NI

CAS Number:



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Injection Date: 28-AUG-2018 16:15
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL4



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6a.i\082818cal.b\05.d
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 Inj Date : 28-AUG-2018 16:53
 Operator : ala Inst ID: 50mv6a.i
 Smp Info : 8260-cal5,184851:0
 Misc Info : 117677
 Comment :
 Method : \\192.168.50.6\chem\50mv6a.i\082818cal.b\05.d\08260sl_a_c.m
 Meth Date : 29-Aug-2018 11:10 aallison Quant Type: ISTD
 Cal Date : 15-AUG-2018 16:38 Cal File: a10.d
 Als bottle: 6 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)
1 Dichlorodifluoromethane	85		0.916	0.916	(0.228)	24307	20.0000	21.4
2 Chloromethane	50		0.996	0.996	(0.248)	25810	20.0000	19.5
3 Vinyl Chloride	62		1.039	1.039	(0.258)	26637	20.0000	20.6
4 Bromomethane	94		1.178	1.173	(0.293)	18830	20.0000	17.9
5 Chloroethane	64		1.221	1.221	(0.303)	16266	20.0000	20.5
6 Trichlorofluoromethane	101		1.328	1.328	(0.330)	36294	20.0000	22.1
8 Diethyl ether	74		1.445	1.446	(0.359)	9914	20.0000	21.8
7 1,2-dichlorotrifluoroethane	67		1.461	1.462	(0.363)	27526	20.0000	22.5
9 Acrolein	56		1.515	1.515	(0.377)	61676	400.000	392
10 1,1,2trichlorotrifluoroethane	101		1.558	1.558	(0.387)	22381	20.0000	23.8
11 1,1-Dichloroethene	96		1.568	1.563	(0.390)	20130	20.0000	22.3
12 Acetone	43		1.579	1.579	(0.393)	21185	100.000	71.7
13 Iodomethane	142		1.649	1.649	(0.410)	47094	40.0000	49.3
14 Carbon Disulfide	76		1.692	1.692	(0.420)	75157	20.0000	21.4
16 Methyl Acetate	43		1.734	1.734	(0.431)	11137	20.0000	16.0
143 Acetonitrile	39		1.750	1.751	(0.435)	39769	20.0000	19.6 (QM)
15 allyl chloride	41		1.750	1.751	(0.435)	64346	40.0000	44.8
17 Methylene Chloride	84		1.825	1.825	(0.454)	22338	20.0000	13.9
18 tert-Butyl Alcohol	59		1.863	1.863	(0.463)	4355	40.0000	39.3 (QM)
19 Acrylonitrile	53		1.954	1.954	(0.486)	21752	80.0000	83.4
20 Methyl-tert-butyl ether	73		1.975	1.975	(0.491)	42018	20.0000	21.8
21 1,2-Dichloroethene (trans)	96		1.986	1.986	(0.494)	21083	20.0000	22.2
22 n-Hexane	57		2.152	2.152	(0.535)	23869	20.0000	23.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb)	ON-COL (ppb)
24 Vinyl Acetate	43	2.264	2.264 (0.563)		102529	80.0000	86.6
23 1,1-Dichloroethane	63	2.275	2.275 (0.565)		29873	20.0000	21.3
147 chloroprene	53	2.323	2.323 (0.577)		23942	20.0000	23.8
28 2-Butanone	72	2.713	2.713 (0.674)		7199	100.000	120
26 1,2-Dichloroethene (cis)	96	2.724	2.724 (0.677)		16735	20.0000	21.6
27 2,2-Dichloropropane	77	2.724	2.730 (0.677)		22965	20.0000	22.6
149 Propionitrile	54	2.767	2.772 (0.688)		1653	20.0000	29.2 (Q)
151 Ethyl Acetate	88	2.751	2.751 (0.684)		3519	160.000	216 (Q)
144 Methacrylonitrile	41	2.911	2.906 (0.724)		5972	20.0000	22.0
30 Bromochloromethane	49	2.943	2.944 (0.731)		12068	20.0000	21.0
31 Tetrahydrofuran	42	2.965	2.965 (0.737)		3701	20.0000	22.6
32 Chloroform	83	3.045	3.045 (0.757)		28801	20.0000	20.7
\$ 33 Dibromofluoromethane (S)	113	3.216	3.216 (0.799)		24673	50.0000	48.3
34 1,1,1-Trichloroethane	97	3.211	3.211 (0.798)		25435	20.0000	22.8
35 Cyclohexane	56	3.286	3.286 (0.817)		26473	20.0000	24.1
150 n-Butyl chloride	56	3.350	3.350 (0.833)		31368	20.0000	23.9
36 Carbon Tetrachloride	117	3.382	3.382 (0.840)		23158	20.0000	23.2
37 1,1-Dichloropropene	75	3.387	3.388 (0.842)		22733	20.0000	24.9
39 Benzene	78	3.617	3.623 (0.899)		59679	20.0000	22.2
40 1,2-Dichloroethane	62	3.708	3.709 (0.922)		16960	20.0000	21.0
145 isopropyl acetate	61	3.735	3.735 (0.928)		18191	80.0000	89.3
141 2,2,4-Trimethylpentane	57	3.778	3.778 (0.939)		53573	20.0000	24.8
38 Isobutyl alcohol	43	3.553	3.548 (0.883)		5650	180.000	214
* 41 Fluorobenzene	96	4.024	4.024 (1.000)		74185	50.0000	
42 Trichloroethene	95	4.479	4.479 (1.113)		16074	20.0000	23.9
43 Methylcyclohexane	55	4.736	4.736 (1.177)		20846	20.0000	24.8
44 1,2-Dichloropropane	63	4.784	4.784 (1.189)		14746	20.0000	23.1 (M)
45 Dibromomethane	93	4.885	4.880 (1.214)		8208	20.0000	22.3
142 1,4-Dioxane	88	4.896	4.891 (1.217)		2697	400.000	517
46 Methyl methacrylate	69	4.907	4.907 (1.219)		7118	20.0000	23.2
47 Bromodichloromethane	83	5.105	5.105 (1.269)		19678	20.0000	21.6
48 2-Chloroethyl vinyl ether	63	5.452	5.453 (0.763)		4662	20.0000	47.5
49 cis-1,3-Dichloropropene	75	5.586	5.586 (0.781)		20938	20.0000	23.2
50 4-Methyl-2-Pentanone	43	5.763	5.763 (0.806)		55141	100.000	108
\$ 51 Toluene-d8	98	5.848	5.848 (0.818)		83583	50.0000	50.9
52 Toluene	91	5.923	5.918 (0.829)		60495	20.0000	21.7
53 trans-1,3-Dichloropropene	75	6.201	6.201 (0.868)		17545	20.0000	24.0
54 Ethyl Methacrylate	69	6.292	6.292 (0.880)		13806	20.0000	23.6
55 1,1,2-Trichloroethane	83	6.389	6.389 (0.894)		10129	20.0000	22.4
56 Tetrachloroethene	166	6.431	6.432 (0.900)		17179	20.0000	23.4
57 1,3-Dichloropropane	76	6.533	6.533 (0.914)		17874	20.0000	22.3
58 2-Hexanone	43	6.608	6.603 (0.924)		40100	100.000	108
59 Dibromochloromethane	129	6.715	6.715 (0.939)		13785	20.0000	21.9
60 1,2-Dibromoethane	107	6.795	6.790 (0.951)		11024	20.0000	24.6
* 61 Chlorobenzene-d5	117	7.148	7.148 (1.000)		54839	50.0000	
62 Chlorobenzene	112	7.170	7.170 (1.003)		37467	20.0000	21.6
63 1,1,1,2-Tetrachloroethane	131	7.245	7.245 (1.013)		13077	20.0000	22.3
64 Ethylbenzene	106	7.250	7.245 (1.014)		20693	20.0000	24.0
65 m&p-Xylene	106	7.341	7.341 (1.027)		51510	40.0000	45.0
67 o-Xylene	106	7.582	7.582 (1.061)		23671	20.0000	23.3
68 Styrene	104	7.603	7.598 (1.064)		40246	20.0000	23.0
69 Bromoform	173	7.710	7.710 (0.904)		9126	20.0000	22.1
146 n-amyl acetate	70	7.726	7.726 (1.920)		33183	80.0000	86.6
70 Isopropylbenzene	105	7.812	7.812 (1.093)		66404	20.0000	23.4

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)
\$ 72 4-Bromofluorobenzene	95	7.913	7.913	(1.107)	28455	50.0000	50.4
74 Bromobenzene	77	7.977	7.978	(1.116)	22638	20.0000	21.4
73 1,1,2,2-Tetrachloroethane	83	7.999	7.999	(0.938)	16152	20.0000	20.6
71 trans-1,4-Dichloro-2-butene	53	8.020	8.020	(1.122)	3931	20.0000	25.5 (Q)
75 1,2,3-Trichloropropane	110	8.026	8.026	(0.941)	3934	20.0000	21.0
76 n-Propylbenzene	91	8.047	8.047	(0.944)	82044	20.0000	21.8
77 2-Chlorotoluene	91	8.090	8.090	(0.949)	45383	20.0000	20.9
78 1,3,5-Trimethylbenzene	105	8.149	8.149	(0.955)	50561	20.0000	23.0
79 4-Chlorotoluene	126	8.159	8.159	(0.957)	15968	20.0000	22.2
80 tert-Butylbenzene	119	8.309	8.309	(0.974)	61139	20.0000	22.6
81 1,2,4-Trimethylbenzene	105	8.341	8.341	(0.978)	51162	20.0000	22.9
82 sec-Butylbenzene	105	8.427	8.427	(0.988)	75393	20.0000	23.1
83 1,3-Dichlorobenzene	146	8.486	8.486	(0.995)	31421	20.0000	21.2
84 p-Isopropyltoluene	119	8.507	8.507	(0.997)	59756	20.0000	23.1
* 85 1,4-Dichlorobenzene-d4	152	8.528	8.529	(1.000)	31071	50.0000	
86 1,4-Dichlorobenzene	146	8.539	8.539	(1.001)	31620	20.0000	20.1
87 n-Butylbenzene	91	8.705	8.705	(1.021)	59111	20.0000	23.2
88 1,2-Dichlorobenzene	146	8.710	8.711	(1.021)	29069	20.0000	21.1
89 1,2-Dibromo-3-chloropropane	155	9.079	9.080	(1.065)	2593	20.0000	20.6
90 1,2,4-Trichlorobenzene	180	9.443	9.443	(1.107)	19484	20.0000	20.9
91 Hexachlorobutadiene	225	9.502	9.502	(1.114)	12843	20.0000	23.2
92 Naphthalene	128	9.556	9.556	(1.120)	46531	20.0000	20.0
93 1,2,3-Trichlorobenzene	180	9.652	9.652	(1.132)	20610	20.0000	20.9
94 2,methyl-naphthalene	142	10.058	10.059	(1.179)	28291	20.0000	21.5
148 1-Methylnaphthalene	141	10.144	10.144	(1.189)	22980	20.0000	21.4

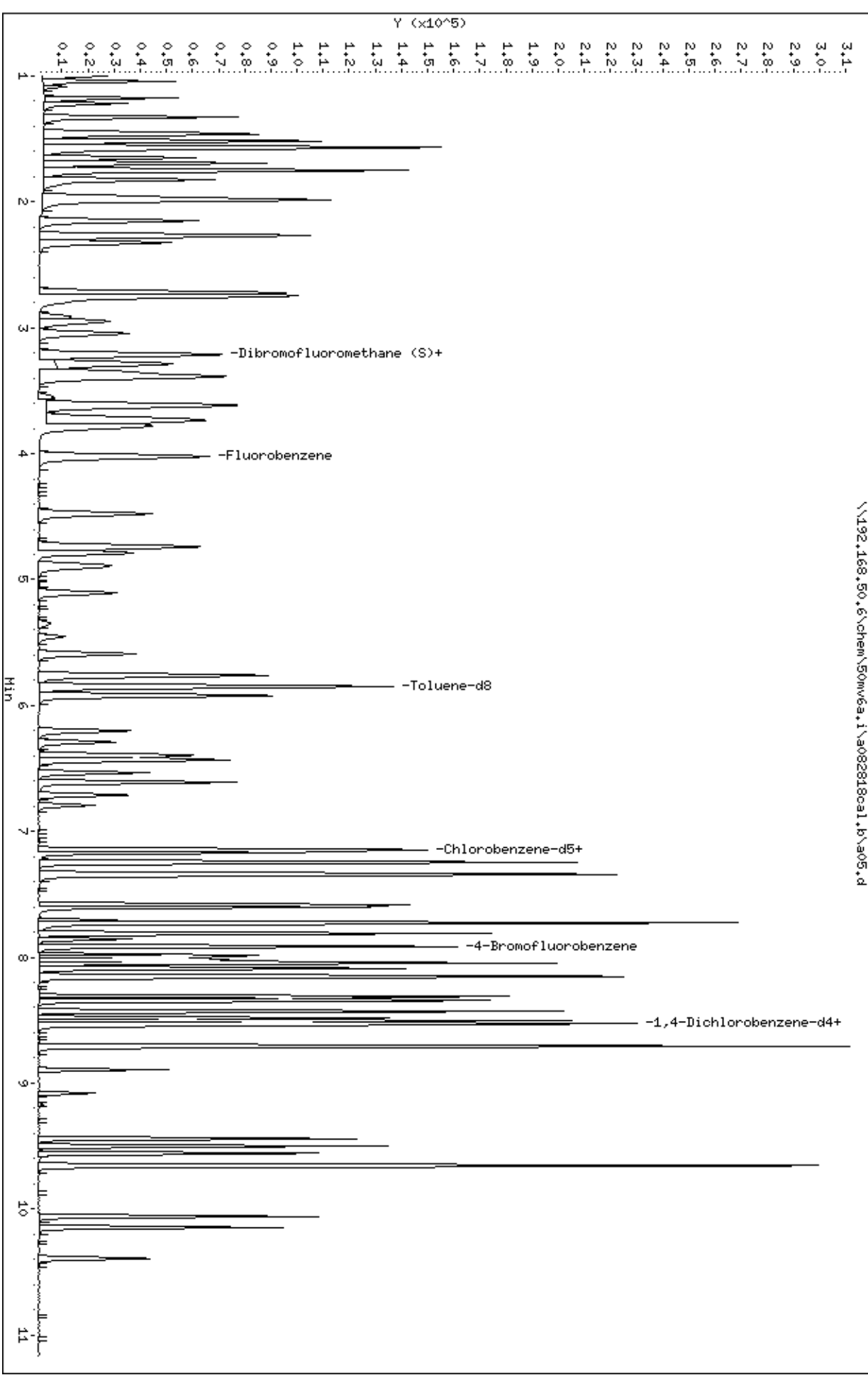
QC Flag Legend

Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

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Client ID: 8260-CAL5
Sample Info: 8260-CAL5,184851:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw6a.i
Operator: alia
Column diameter: 0.18

\\192.168.50.6\chem\50mw6a.i\A082818cal.b\A05.d



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a05.d

Injection Date: 28-AUG-2018 16:53

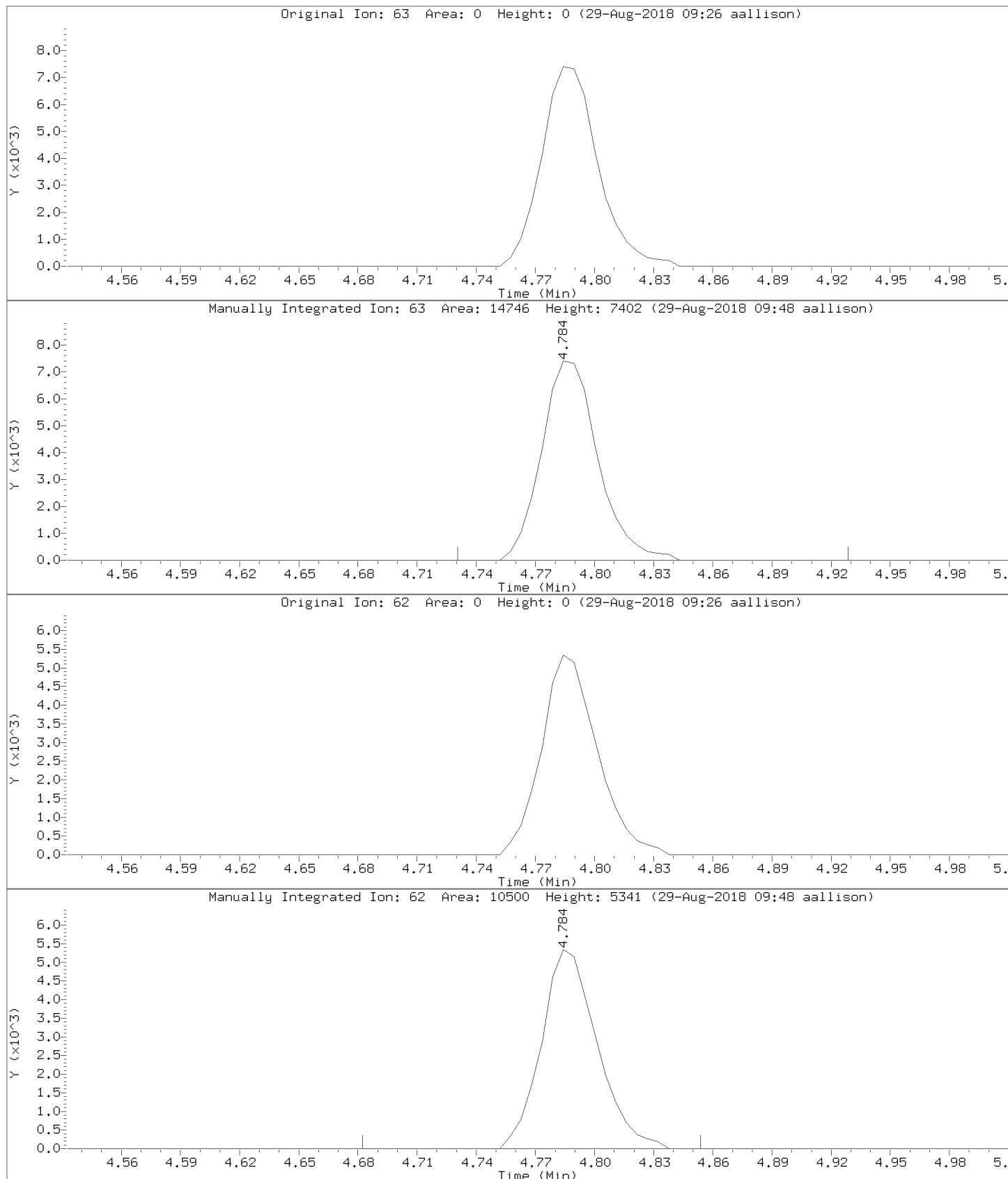
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Lab Sample ID: 8260-CAL5

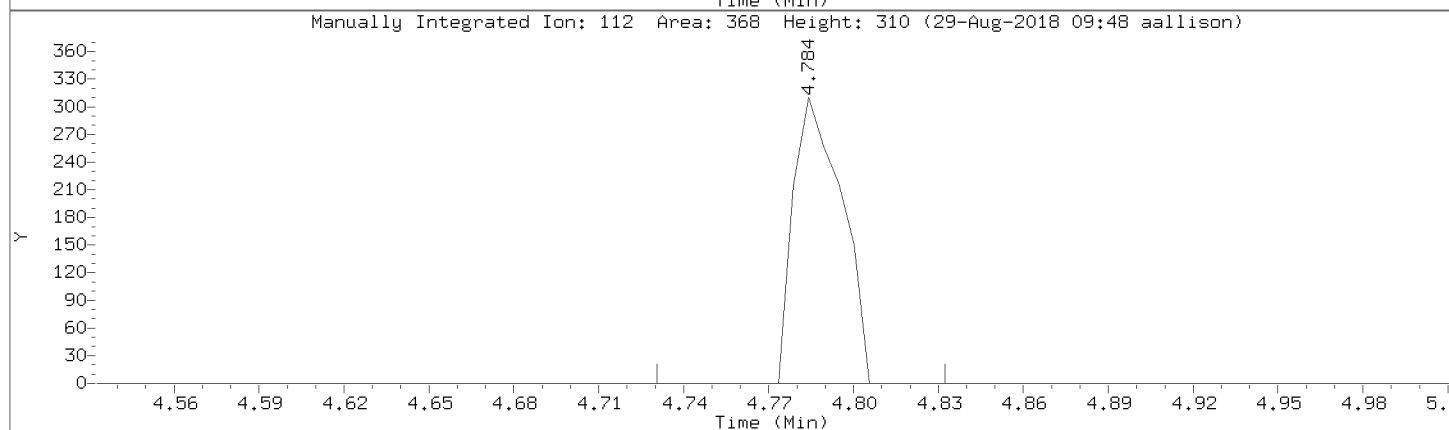
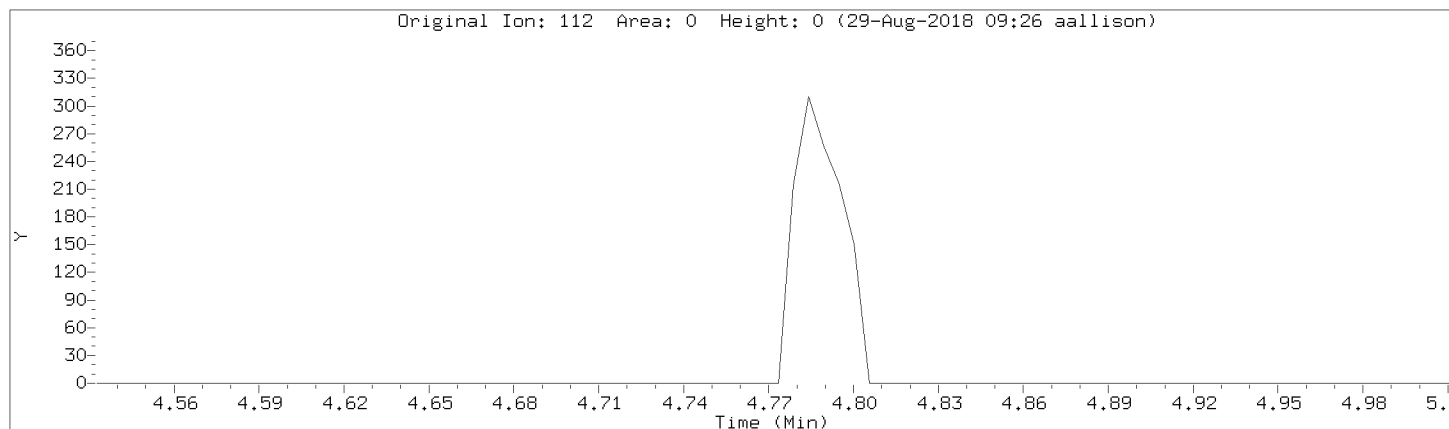
Compound: 1,2-Dichloropropane

Review Code: NI

CAS Number: 78-87-5



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Injection Date: 28-AUG-2018 16:53
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL5



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Injection Date: 28-AUG-2018 16:53

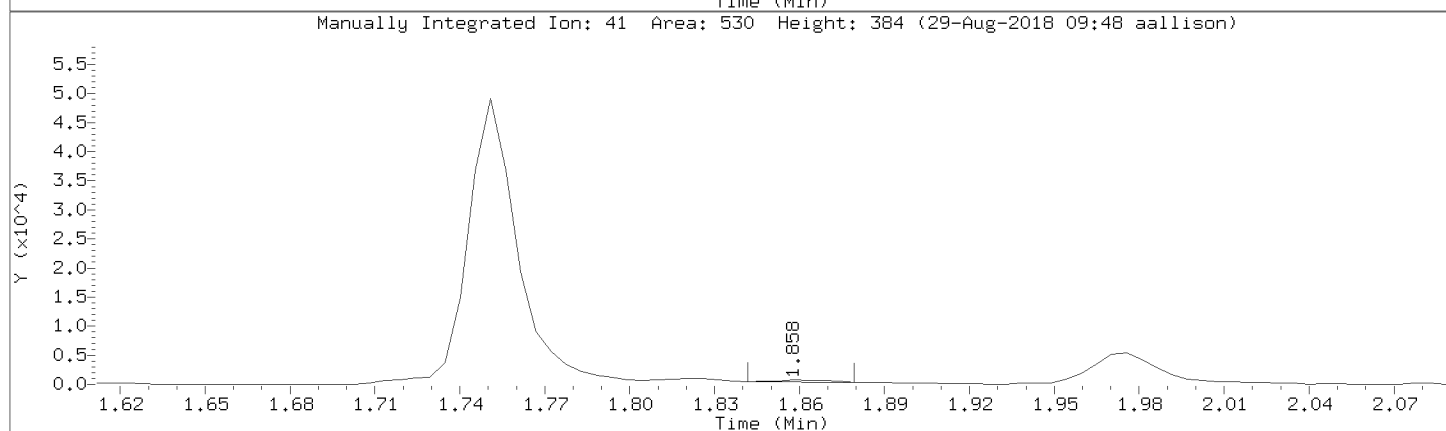
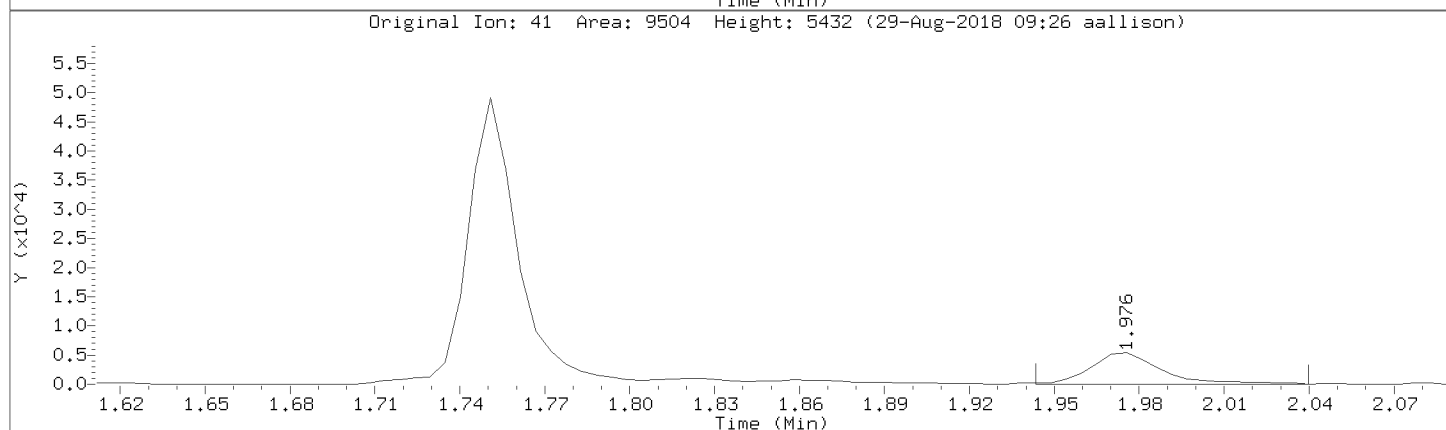
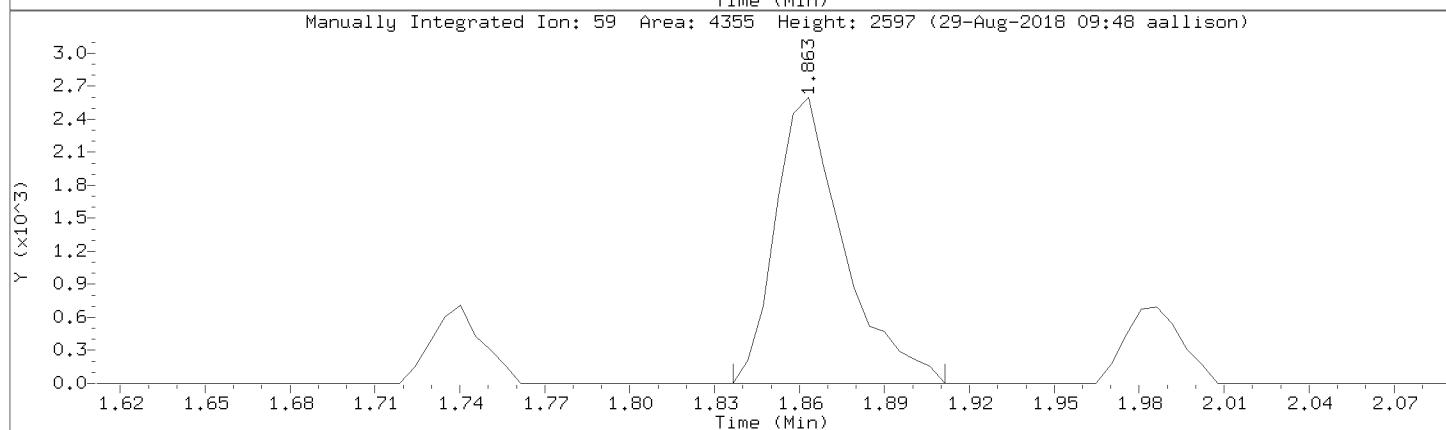
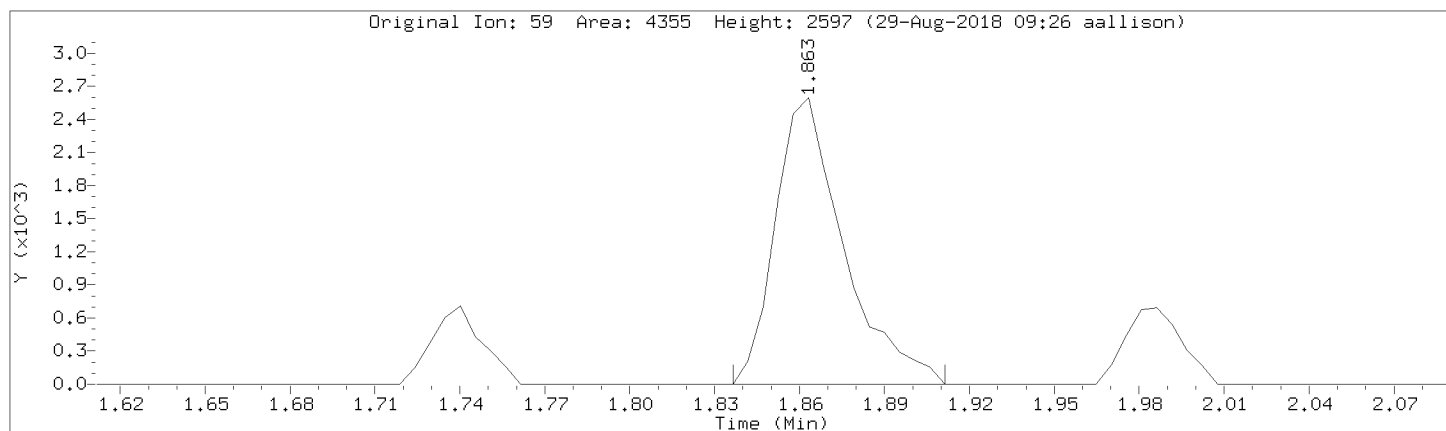
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL5

Compound: tert-Butyl Alcohol

Review Code: WP

CAS Number: 75-65-0



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Injection Date: 28-AUG-2018 16:53

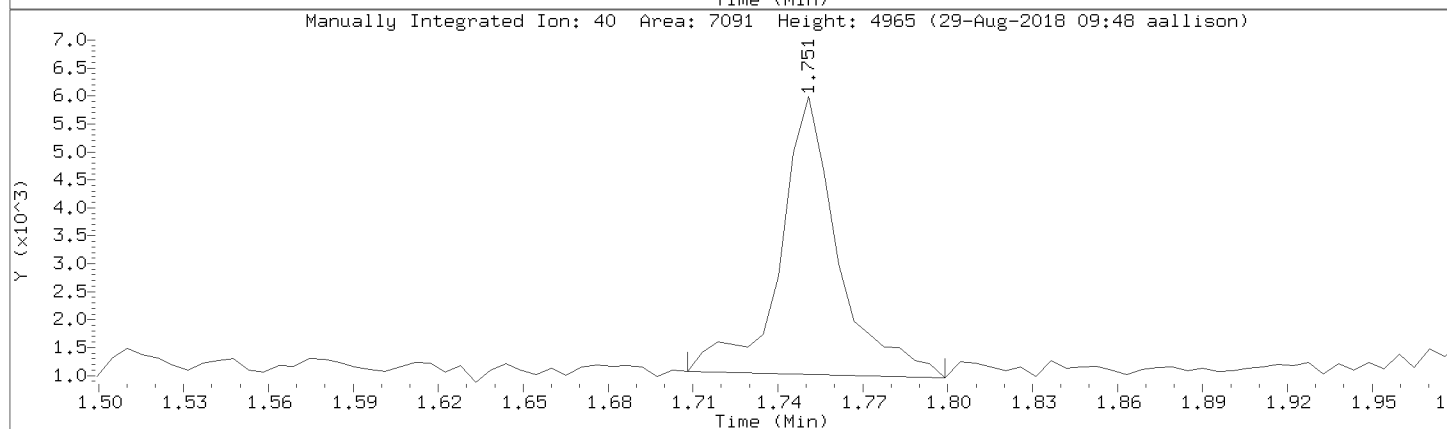
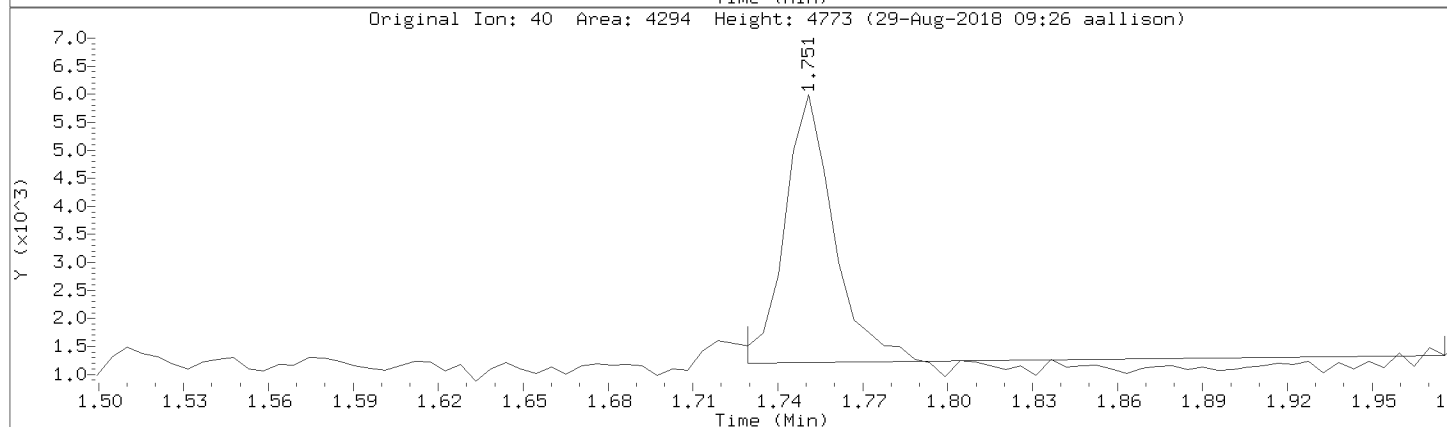
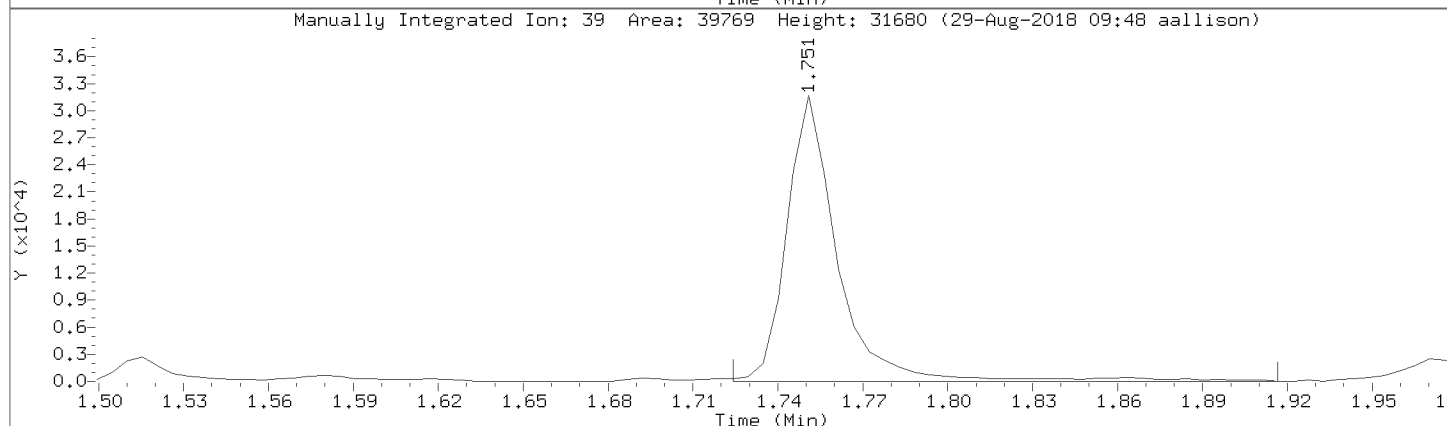
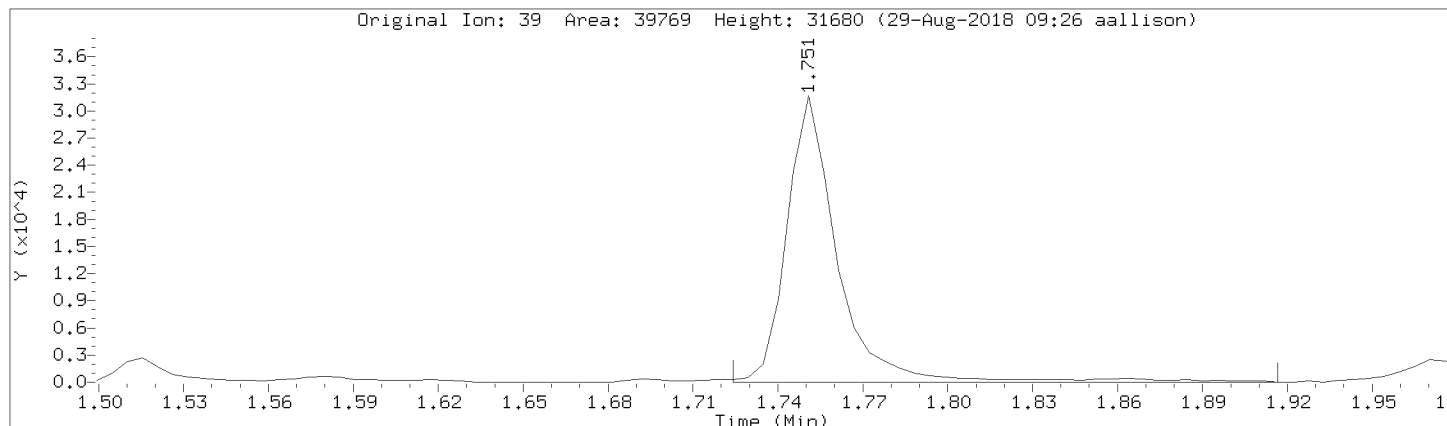
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL5

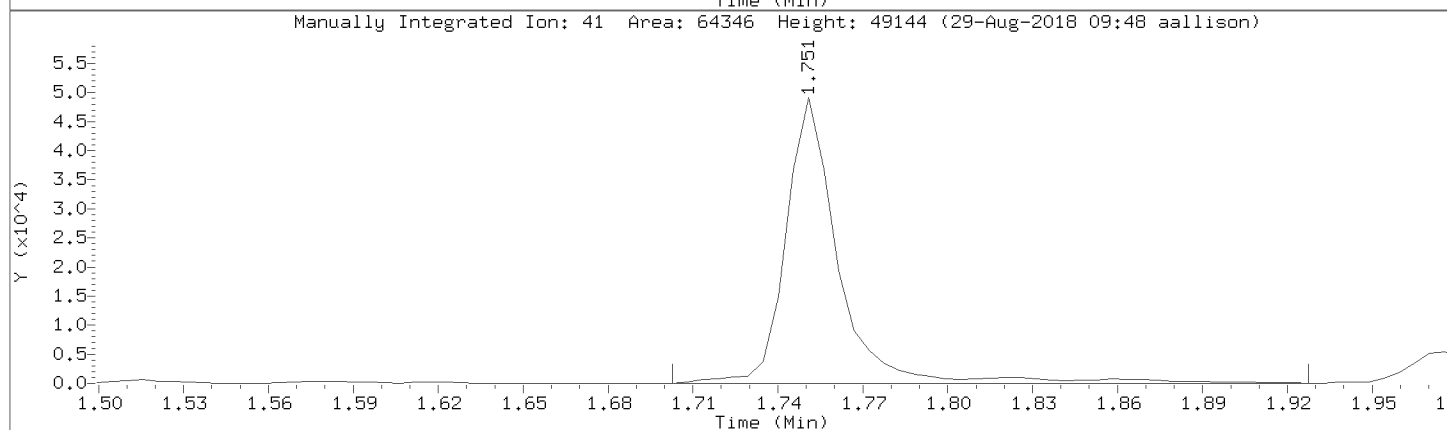
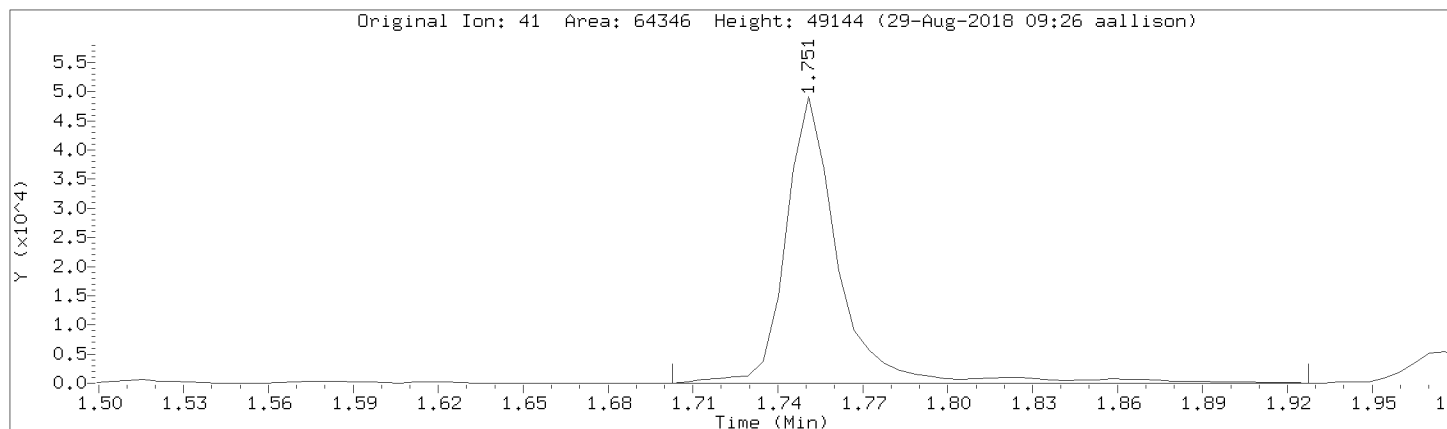
Compound: Acetonitrile

Review Code: GT

CAS Number: 75-05-8



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Injection Date: 28-AUG-2018 16:53
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL5



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6a.i\a082818cal.b\a06.d
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 Inj Date : 28-AUG-2018 17:31
 Operator : ala Inst ID: 50mv6a.i
 Smp Info : 8260-cal6,184852:0
 Misc Info : 117677
 Comment :
 Method : \\192.168.50.6\chem\50mv6a.i\a082818cal.b\ -a8260sl_a_c.m
 Meth Date : 29-Aug-2018 11:10 aallison Quant Type: ISTD
 Cal Date : 15-AUG-2018 16:38 Cal File: a10.d
 Als bottle: 7 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)
1 Dichlorodifluoromethane	85		0.916	0.916	(0.228)	54146	50.0000	44.0	
2 Chloromethane	50		0.996	0.996	(0.248)	57739	50.0000	41.0	
3 Vinyl Chloride	62		1.039	1.039	(0.258)	61234	50.0000	44.1	
4 Bromomethane	94		1.178	1.173	(0.293)	42727	50.0000	38.7	
5 Chloroethane	64		1.221	1.221	(0.303)	37371	50.0000	43.8	
6 Trichlorofluoromethane	101		1.328	1.328	(0.330)	83391	50.0000	46.7	
8 Diethyl ether	74		1.446	1.446	(0.359)	27993	50.0000	56.2	
7 1,2-dichlorotrifluoroethane	67		1.462	1.462	(0.363)	74368	50.0000	55.5	
9 Acrolein	56		1.515	1.515	(0.377)	147011	1000.00	876	
10 1,1,2trichlorotrifluoroethane	101		1.558	1.558	(0.387)	61250	50.0000	58.6	
11 1,1-Dichloroethene	96		1.569	1.563	(0.390)	55404	50.0000	56.1	
12 Acetone	43		1.579	1.579	(0.393)	60345	250.000	202	
13 Iodomethane	142		1.649	1.649	(0.410)	142580	100.000	133	
14 Carbon Disulfide	76		1.692	1.692	(0.420)	195565	50.0000	51.4	
16 Methyl Acetate	43		1.734	1.734	(0.431)	33156	50.0000	46.3	
143 Acetonitrile	39		1.751	1.751	(0.435)	100410	50.0000	46.4 (M)	
15 allyl chloride	41		1.751	1.751	(0.435)	150780	100.000	95.8	
17 Methylene Chloride	84		1.825	1.825	(0.454)	55227	50.0000	34.2	
18 tert-Butyl Alcohol	59		1.863	1.863	(0.463)	12549	100.000	106 (Q)	
19 Acrylonitrile	53		1.954	1.954	(0.486)	60714	200.000	215	
20 Methyl-tert-butyl ether	73		1.975	1.975	(0.491)	121487	50.0000	58.1	
21 1,2-Dichloroethene (trans)	96		1.986	1.986	(0.494)	57170	50.0000	55.1	
22 n-Hexane	57		2.152	2.152	(0.535)	68298	50.0000	61.5	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb)	ON-COL (ppb)
24 Vinyl Acetate	43	2.264	2.264	(0.563)	248800	200.000	193
23 1,1-Dichloroethane	63	2.275	2.275	(0.565)	82363	50.0000	54.1
147 chloroprene	53	2.323	2.323	(0.577)	69064	50.0000	61.8
28 2-Butanone	72	2.713	2.713	(0.674)	21365	250.000	320
26 1,2-Dichloroethene (cis)	96	2.724	2.724	(0.677)	46148	50.0000	54.9
27 2,2-Dichloropropane	77	2.730	2.730	(0.678)	62099	50.0000	55.7
149 Propionitrile	54	2.767	2.772	(0.688)	4906	50.0000	72.6 (Q)
151 Ethyl Acetate	88	2.751	2.751	(0.684)	10872	400.000	583 (Q)
144 Methacrylonitrile	41	2.906	2.906	(0.722)	18242	50.0000	61.5 (M)
30 Bromochloromethane	49	2.944	2.944	(0.731)	33097	50.0000	53.4
31 Tetrahydrofuran	42	2.965	2.965	(0.737)	11244	50.0000	62.5
32 Chloroform	83	3.045	3.045	(0.757)	77152	50.0000	51.4
\$ 33 Dibromofluoromethane (S)	113	3.216	3.216	(0.799)	25637	50.0000	47.2
34 1,1,1-Trichloroethane	97	3.211	3.211	(0.798)	69587	50.0000	56.8
35 Cyclohexane	56	3.286	3.286	(0.817)	75300	50.0000	61.6
150 n-Butyl chloride	56	3.350	3.350	(0.833)	87670	50.0000	60.1
36 Carbon Tetrachloride	117	3.382	3.382	(0.840)	63556	50.0000	57.7
37 1,1-Dichloropropene	75	3.388	3.388	(0.842)	62883	50.0000	61.4
39 Benzene	78	3.623	3.623	(0.900)	166856	50.0000	56.9
40 1,2-Dichloroethane	62	3.709	3.709	(0.922)	47470	50.0000	54.5
145 isopropyl acetate	61	3.735	3.735	(0.928)	55622	200.000	250
141 2,2,4-Trimethylpentane	57	3.783	3.778	(0.940)	150920	50.0000	62.3
38 Isobutyl alcohol	43	3.553	3.548	(0.883)	17276	450.000	590
* 41 Fluorobenzene	96	4.024	4.024	(1.000)	79355	50.0000	
42 Trichloroethene	95	4.479	4.479	(1.113)	45056	50.0000	60.2
43 Methylcyclohexane	55	4.736	4.736	(1.177)	59792	50.0000	63.6
44 1,2-Dichloropropane	63	4.784	4.784	(1.189)	40734	50.0000	57.9
45 Dibromomethane	93	4.880	4.880	(1.213)	23009	50.0000	57.1
142 1,4-Dioxane	88	4.891	4.891	(1.215)	8515	1000.00	1420
46 Methyl methacrylate	69	4.901	4.907	(1.218)	21678	50.0000	63.5
47 Bromodichloromethane	83	5.105	5.105	(1.269)	55144	50.0000	55.7
48 2-Chloroethyl vinyl ether	63	5.453	5.453	(0.763)	15483	100.000	112
49 cis-1,3-Dichloropropene	75	5.586	5.586	(0.781)	61575	50.0000	63.4
50 4-Methyl-2-Pentanone	43	5.763	5.763	(0.806)	160301	250.000	295
\$ 51 Toluene-d8	98	5.848	5.848	(0.818)	86889	50.0000	50.6
52 Toluene	91	5.918	5.918	(0.828)	167296	50.0000	56.7
53 trans-1,3-Dichloropropene	75	6.201	6.201	(0.868)	52719	50.0000	66.4
54 Ethyl Methacrylate	69	6.292	6.292	(0.880)	39578	50.0000	62.5
55 1,1,2-Trichloroethane	83	6.389	6.389	(0.894)	29039	50.0000	60.1
56 Tetrachloroethene	166	6.432	6.432	(0.900)	48628	50.0000	61.4
57 1,3-Dichloropropane	76	6.533	6.533	(0.914)	51290	50.0000	60.0
58 2-Hexanone	43	6.603	6.603	(0.924)	117237	250.000	298
59 Dibromochloromethane	129	6.710	6.715	(0.939)	40701	50.0000	60.8
60 1,2-Dibromoethane	107	6.790	6.790	(0.950)	33380	50.0000	68.8
* 61 Chlorobenzene-d5	117	7.148	7.148	(1.000)	57234	50.0000	
62 Chlorobenzene	112	7.164	7.170	(1.002)	102906	50.0000	56.0
63 1,1,1,2-Tetrachloroethane	131	7.245	7.245	(1.013)	38391	50.0000	61.4
64 Ethylbenzene	106	7.245	7.245	(1.013)	58198	50.0000	62.6
65 m&p-Xylene	106	7.341	7.341	(1.027)	144452	100.000	118
67 o-Xylene	106	7.582	7.582	(1.061)	66999	50.0000	61.5
68 Styrene	104	7.603	7.598	(1.064)	115163	50.0000	61.1
69 Bromoform	173	7.710	7.710	(0.904)	26864	50.0000	59.1
146 n-amyl acetate	70	7.726	7.726	(1.920)	97248	200.000	233
70 Isopropylbenzene	105	7.812	7.812	(1.093)	185294	50.0000	60.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb)	ON-COL (ppb)
\$ 72 4-Bromofluorobenzene	95	7.913	7.913	(1.107)	30536	50.0000	51.7
74 Bromobenzene	77	7.978	7.978	(1.116)	62557	50.0000	56.1
73 1,1,2,2-Tetrachloroethane	83	7.999	7.999	(0.938)	45903	50.0000	54.1
71 trans-1,4-Dichloro-2-butene	53	8.020	8.020	(1.122)	10544	50.0000	62.2 (Q)
75 1,2,3-Trichloropropane	110	8.026	8.026	(0.941)	11552	50.0000	56.8
76 n-Propylbenzene	91	8.047	8.047	(0.944)	230780	50.0000	56.2
77 2-Chlorotoluene	91	8.090	8.090	(0.949)	129539	50.0000	55.0
78 1,3,5-Trimethylbenzene	105	8.149	8.149	(0.955)	150107	50.0000	61.8
79 4-Chlorotoluene	126	8.159	8.159	(0.957)	44827	50.0000	56.8
80 tert-Butylbenzene	119	8.315	8.309	(0.975)	173346	50.0000	57.9
81 1,2,4-Trimethylbenzene	105	8.341	8.341	(0.978)	147959	50.0000	60.0
82 sec-Butylbenzene	105	8.427	8.427	(0.988)	214147	50.0000	59.2
83 1,3-Dichlorobenzene	146	8.486	8.486	(0.995)	86607	50.0000	53.7
84 p-Isopropyltoluene	119	8.507	8.507	(0.997)	173167	50.0000	60.4
* 85 1,4-Dichlorobenzene-d4	152	8.529	8.529	(1.000)	33442	50.0000	
86 1,4-Dichlorobenzene	146	8.539	8.539	(1.001)	86626	50.0000	51.0
87 n-Butylbenzene	91	8.705	8.705	(1.021)	174184	50.0000	61.6
88 1,2-Dichlorobenzene	146	8.710	8.711	(1.021)	84148	50.0000	56.3
89 1,2-Dibromo-3-chloropropane	155	9.080	9.080	(1.065)	7634	50.0000	56.0
90 1,2,4-Trichlorobenzene	180	9.443	9.443	(1.107)	54738	50.0000	54.2
91 Hexachlorobutadiene	225	9.502	9.502	(1.114)	35063	50.0000	57.0
92 Naphthalene	128	9.556	9.556	(1.120)	134668	50.0000	53.9
93 1,2,3-Trichlorobenzene	180	9.652	9.652	(1.132)	58058	50.0000	54.3
94 2,methyl-naphthalene	142	10.059	10.059	(1.179)	87613	50.0000	61.0
148 1-Methylnaphthalene	141	10.144	10.144	(1.189)	71160	50.0000	60.8

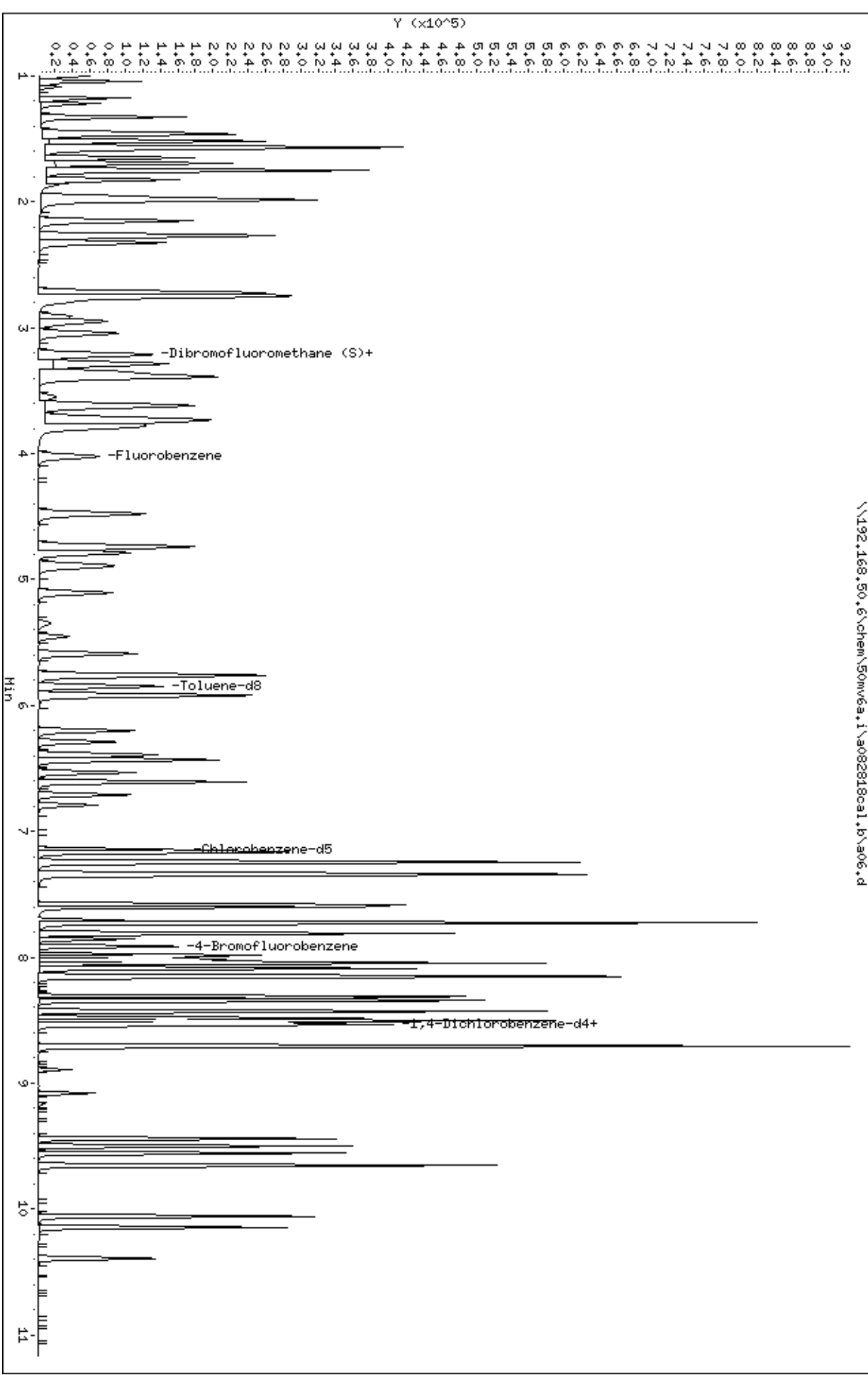
QC Flag Legend

Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

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Sample Info: 8260-CAL6,184852;0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw6a.i
Operator: alia
Column diameter: 0.18

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Injection Date: 28-AUG-2018 17:31

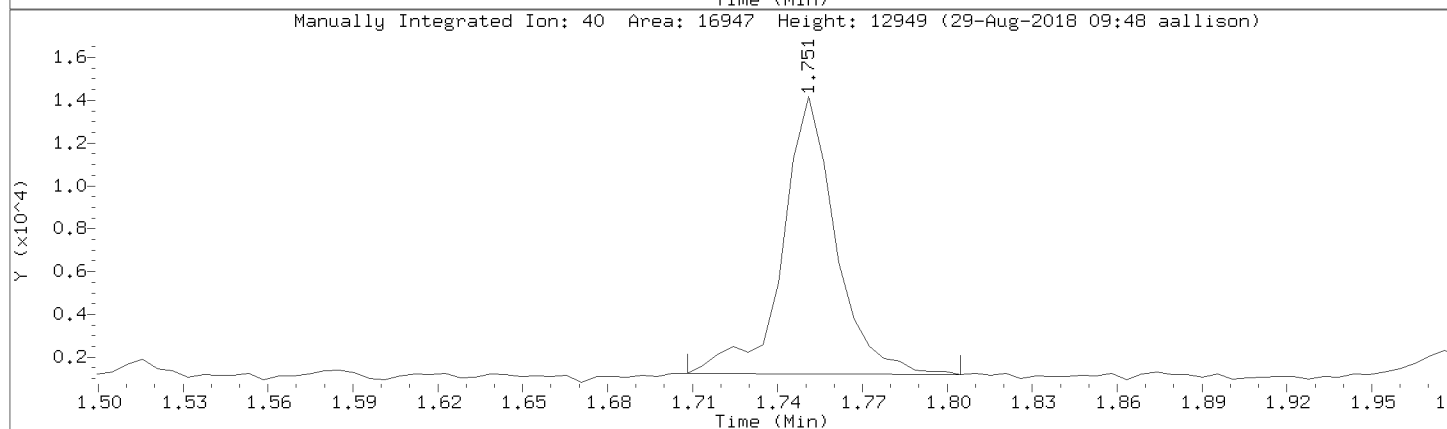
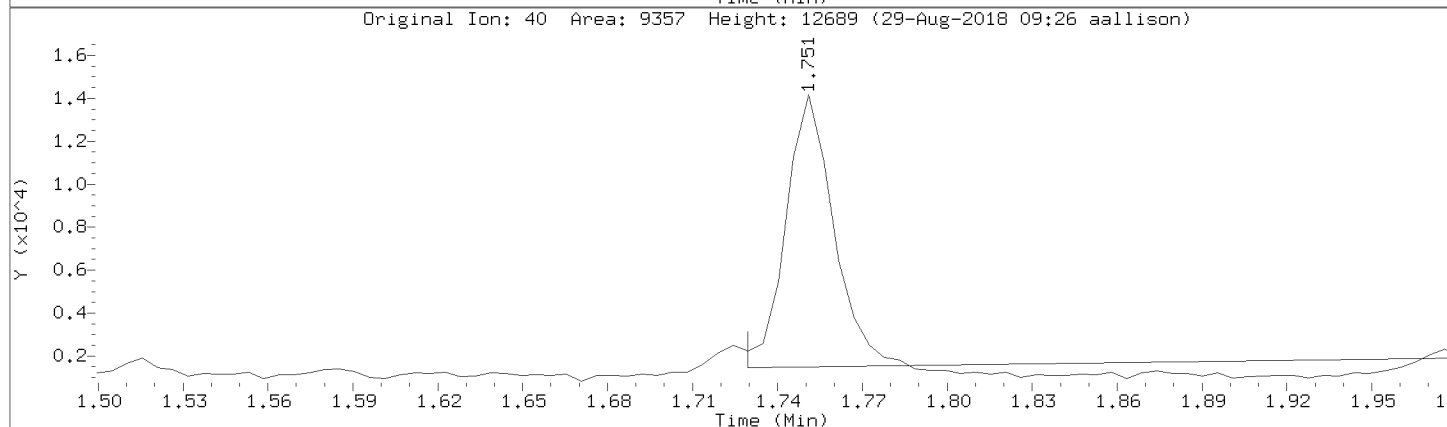
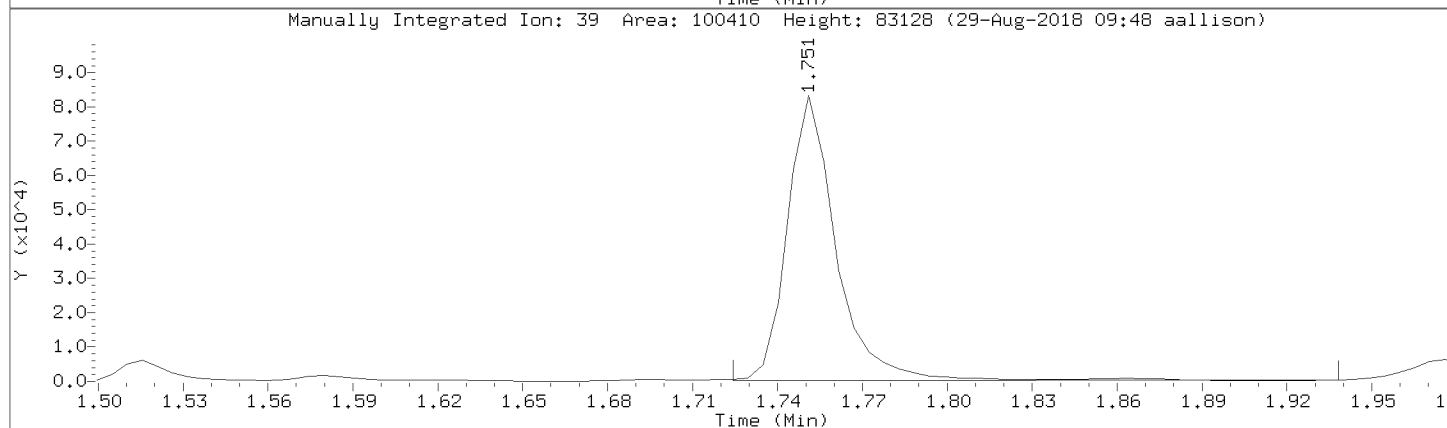
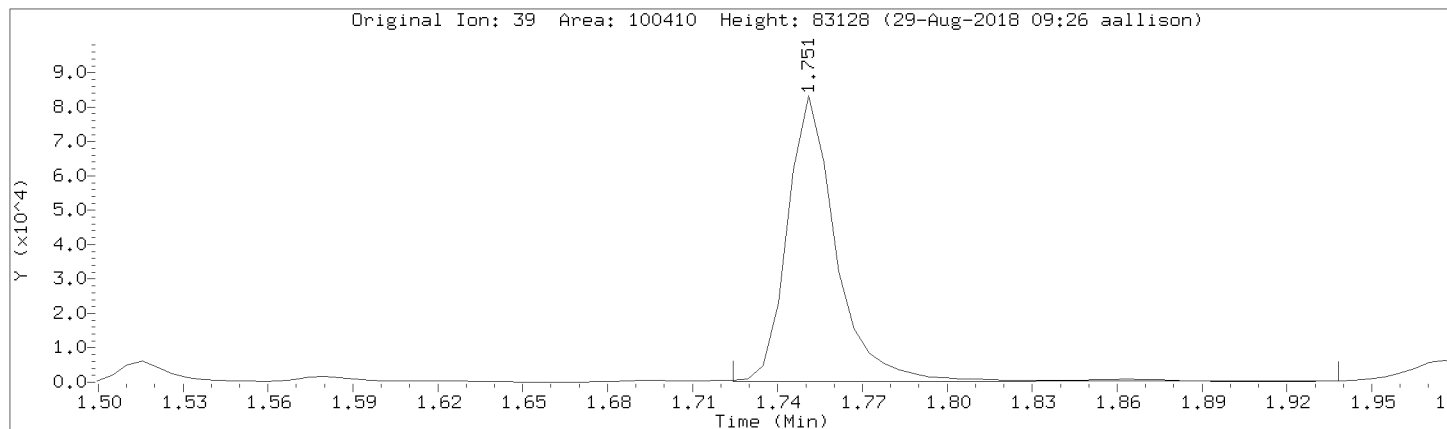
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Lab Sample ID: 8260-CAL6

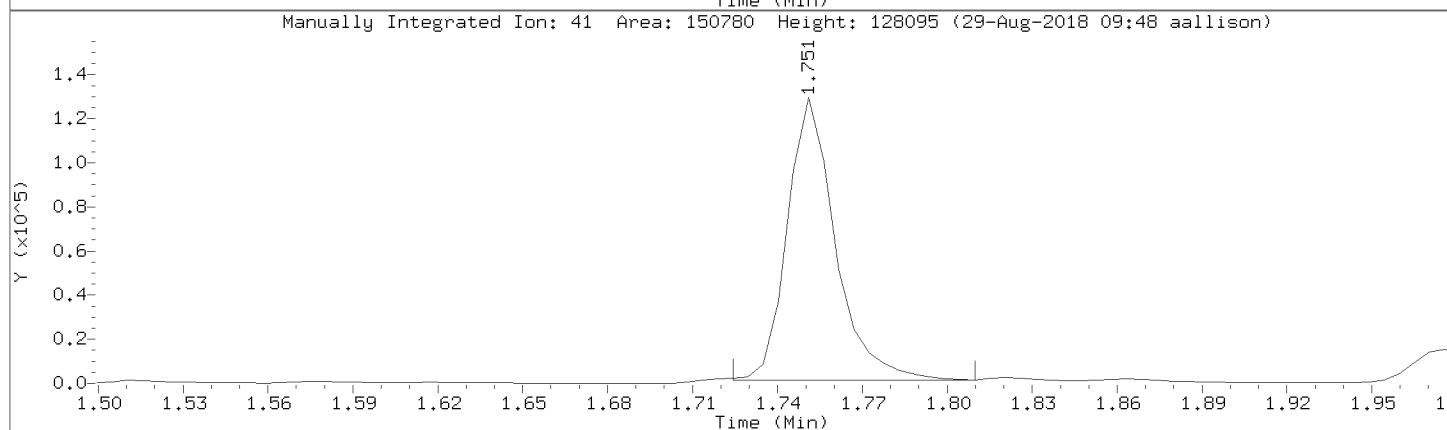
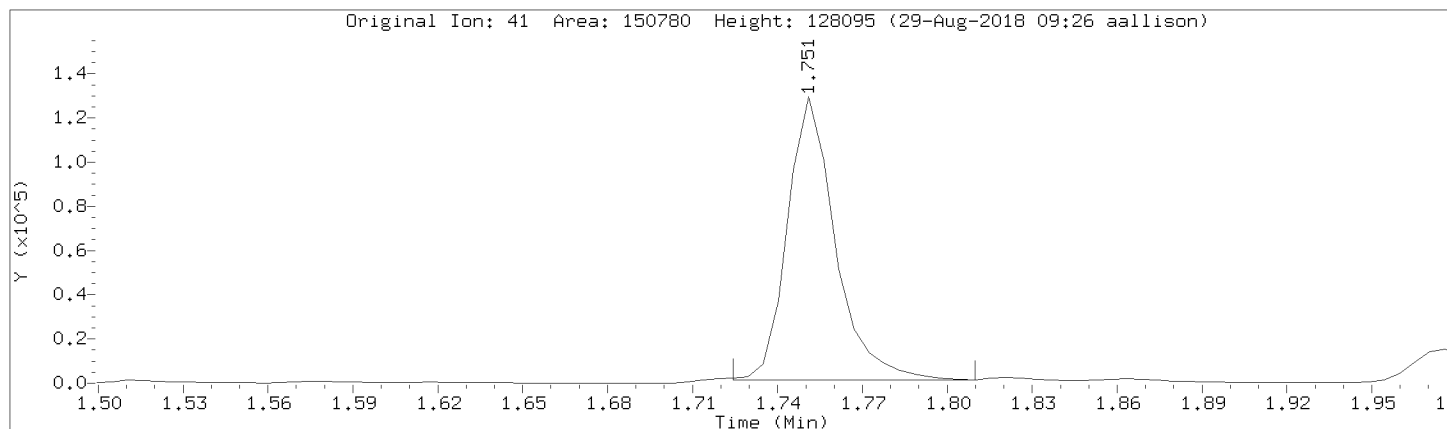
Compound: Acetonitrile

Review Code: GT

CAS Number: 75-05-8

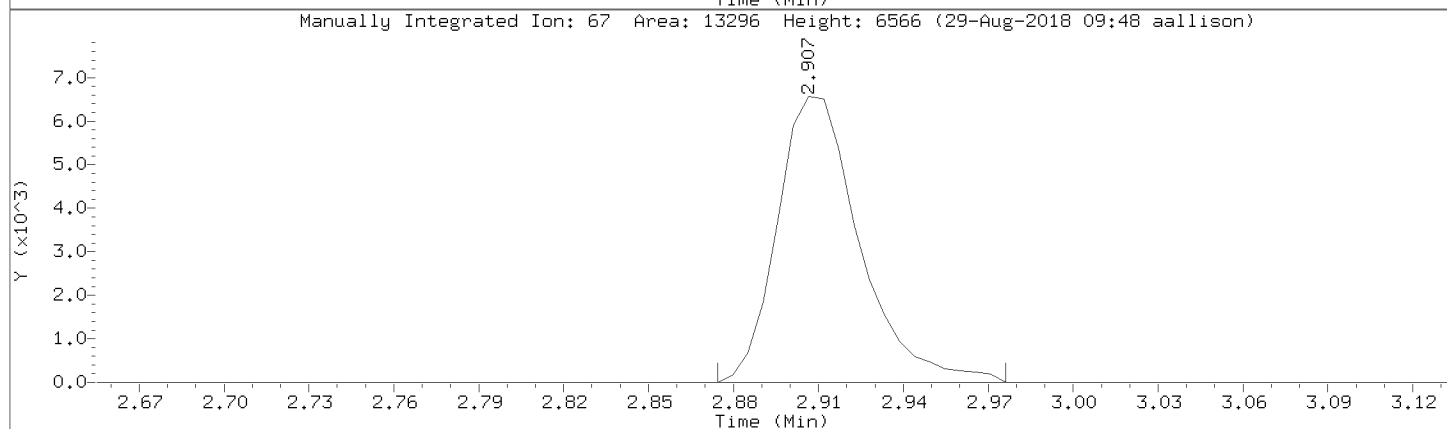
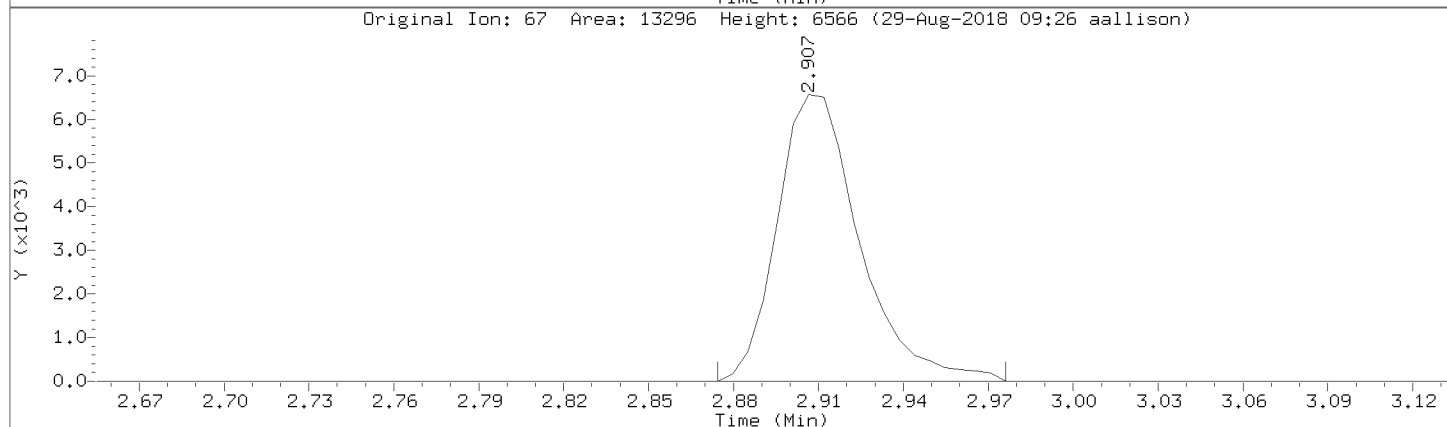
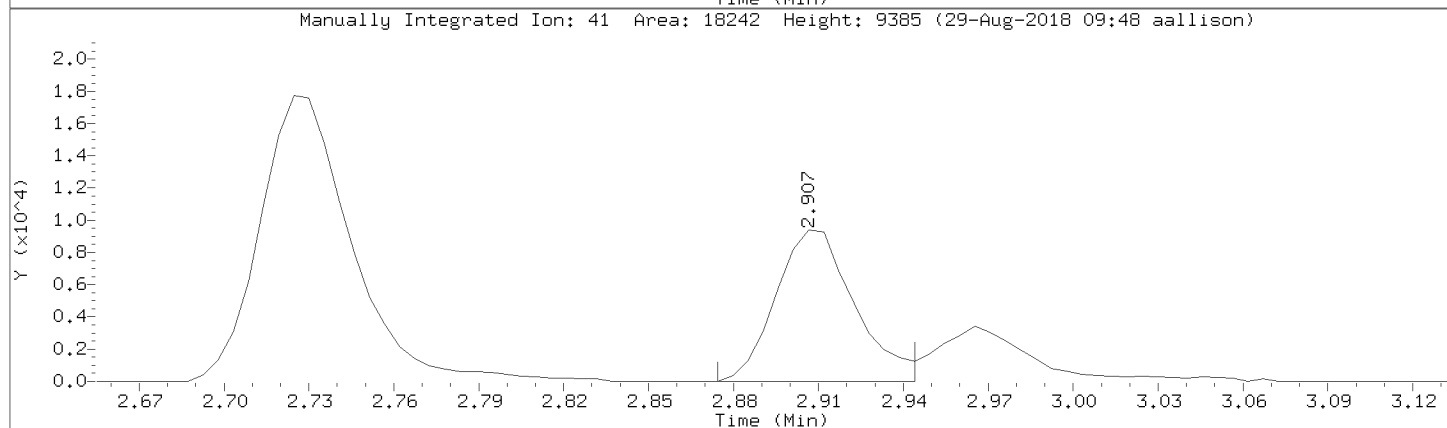
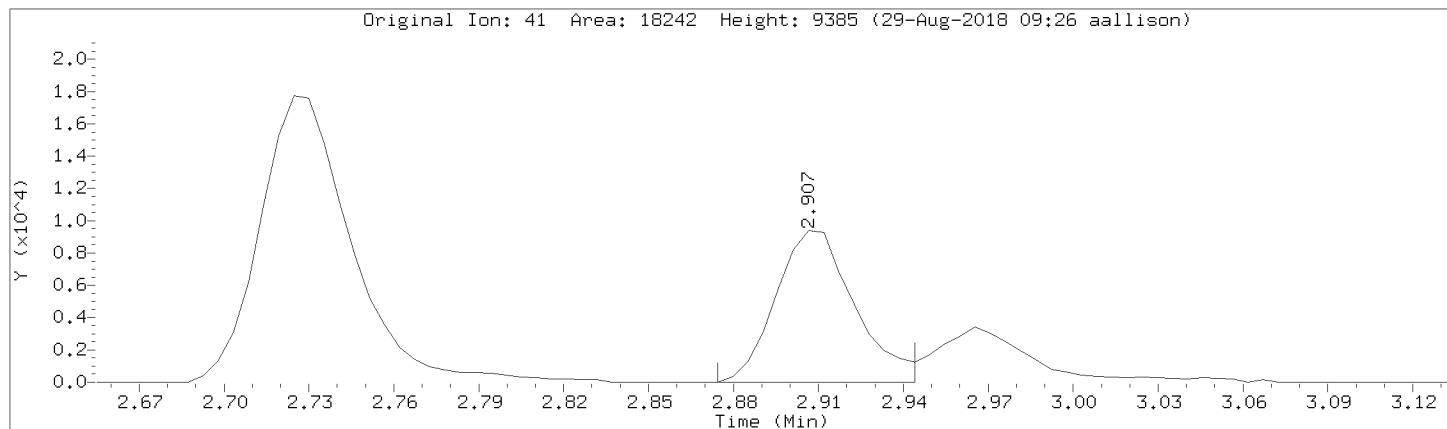


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Lab Sample ID: 8260-CAL6

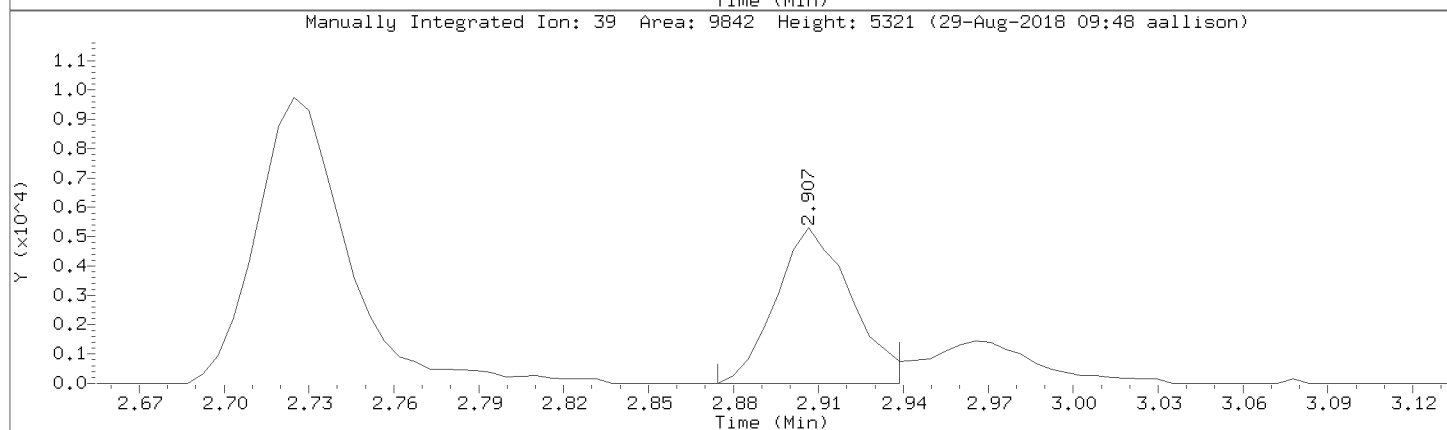
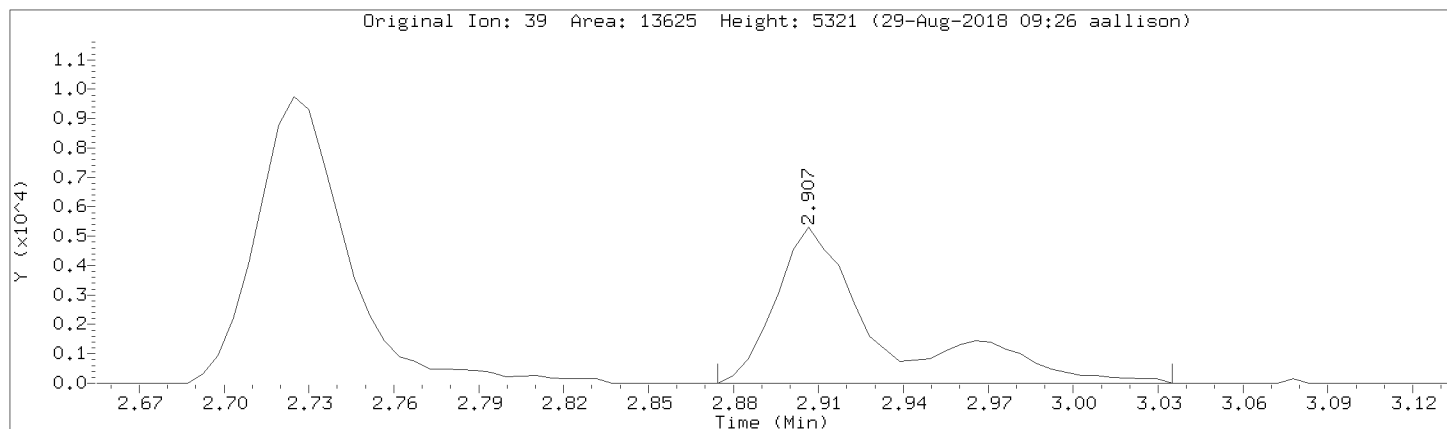


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Injection Date: 28-AUG-2018 17:31
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL6

Compound: Methacrylonitrile Review Code: GT
CAS Number: 126-98-7



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Injection Date: 28-AUG-2018 17:31
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL6



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6a.i\a082818cal.b\a07.d
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 Inj Date : 28-AUG-2018 18:09
 Operator : ala Inst ID: 50mv6a.i
 Smp Info : 8260-cal7,184853:0
 Misc Info : 117677
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 Meth Date : 29-Aug-2018 11:10 aallison Quant Type: ISTD
 Cal Date : 15-AUG-2018 16:38 Cal File: a10.d
 Als bottle: 8 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)
1 Dichlorodifluoromethane	85		0.916	0.916	(0.228)	170575	150.000	136	
2 Chloromethane	50		0.991	0.996	(0.247)	176771	150.000	123	
3 Vinyl Chloride	62		1.039	1.039	(0.259)	191886	150.000	135	
4 Bromomethane	94		1.167	1.173	(0.291)	76541	150.000	68.1	
5 Chloroethane	64		1.210	1.221	(0.301)	85410	150.000	98.1	
6 Trichlorofluoromethane	101		1.317	1.328	(0.328)	272118	150.000	149	
8 Diethyl ether	74		1.440	1.446	(0.358)	92206	150.000	182	
7 1,2-dichlorotrifluoroethane	67		1.456	1.462	(0.362)	230187	150.000	169	
9 Acrolein	56		1.510	1.515	(0.376)	489269	3000.00	2860	
10 1,1,2trichlorotrifluoroethane	101		1.553	1.558	(0.386)	191330	150.000	180	
11 1,1-Dichloroethene	96		1.558	1.563	(0.388)	174629	150.000	173	
12 Acetone	43		1.579	1.579	(0.393)	187807	750.000	618	
13 Iodomethane	142		1.644	1.649	(0.409)	439477	300.000	403	
14 Carbon Disulfide	76		1.692	1.692	(0.421)	589719	150.000	152	
16 Methyl Acetate	43		1.735	1.734	(0.432)	105082	150.000	144	
143 Acetonitrile	39		1.745	1.751	(0.434)	276222	150.000	125	
15 allyl chloride	41		1.745	1.751	(0.434)	452604	300.000	282	
17 Methylene Chloride	84		1.820	1.825	(0.453)	159955	150.000	97.2	
18 tert-Butyl Alcohol	59		1.868	1.863	(0.465)	43011	300.000	357	
19 Acrylonitrile	53		1.954	1.954	(0.486)	196982	600.000	685	
20 Methyl-tert-butyl ether	73		1.975	1.975	(0.492)	395896	150.000	186	
21 1,2-Dichloroethene (trans)	96		1.981	1.986	(0.493)	175282	150.000	166	
22 n-Hexane	57		2.146	2.152	(0.534)	266294	150.000	235	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb)	ON-COL (ppb)
24 Vinyl Acetate	43	2.264	2.264	(0.563)	882150	600.000	672
23 1,1-Dichloroethane	63	2.270	2.275	(0.565)	265905	150.000	171
147 chloroprene	53	2.318	2.323	(0.577)	218602	150.000	192
28 2-Butanone	72	2.714	2.713	(0.675)	76907	750.000	1130 (Q)
26 1,2-Dichloroethene (cis)	96	2.719	2.724	(0.677)	150112	150.000	175
27 2,2-Dichloropropane	77	2.724	2.730	(0.678)	202802	150.000	178
149 Propionitrile	54	2.767	2.772	(0.689)	17853	150.000	259 (Q)
151 Ethyl Acetate	88	2.751	2.751	(0.685)	39559	1200.00	2080 (Q)
144 Methacrylonitrile	41	2.906	2.906	(0.723)	61704	150.000	204
30 Bromochloromethane	49	2.944	2.944	(0.732)	99658	150.000	158
31 Tetrahydrofuran	42	2.965	2.965	(0.738)	37512	150.000	204
32 Chloroform	83	3.045	3.045	(0.758)	234823	150.000	153
\$ 33 Dibromofluoromethane (S)	113	3.211	3.216	(0.799)	25888	50.0000	46.8
34 1,1,1-Trichloroethane	97	3.211	3.211	(0.799)	214668	150.000	172
35 Cyclohexane	56	3.281	3.286	(0.816)	231492	150.000	186
150 n-Butyl chloride	56	3.350	3.350	(0.834)	268247	150.000	180
36 Carbon Tetrachloride	117	3.377	3.382	(0.840)	196596	150.000	175
37 1,1-Dichloropropene	75	3.388	3.388	(0.843)	200124	150.000	192
39 Benzene	78	3.618	3.623	(0.900)	524095	150.000	175
40 1,2-Dichloroethane	62	3.709	3.709	(0.923)	149707	150.000	169
145 isopropyl acetate	61	3.735	3.735	(0.929)	193218	600.000	850
141 2,2,4-Trimethylpentane	57	3.778	3.778	(0.940)	485687	150.000	197
38 Isobutyl alcohol	43	3.553	3.548	(0.884)	57834	1350.00	1940
* 41 Fluorobenzene	96	4.019	4.024	(1.000)	80900	50.0000	
42 Trichloroethene	95	4.479	4.479	(1.114)	141417	150.000	185
43 Methylcyclohexane	55	4.736	4.736	(1.178)	192115	150.000	200
44 1,2-Dichloropropane	63	4.784	4.784	(1.190)	125168	150.000	174
45 Dibromomethane	93	4.880	4.880	(1.214)	72724	150.000	177
142 1,4-Dioxane	88	4.896	4.891	(1.218)	31514	3000.00	5160
46 Methyl methacrylate	69	4.902	4.907	(1.220)	72249	150.000	208
47 Bromodichloromethane	83	5.105	5.105	(1.270)	170977	150.000	170
48 2-Chloroethyl vinyl ether	63	5.453	5.453	(0.763)	57340	300.000	411
49 cis-1,3-Dichloropropene	75	5.592	5.586	(0.782)	197957	150.000	201
50 4-Methyl-2-Pentanone	43	5.763	5.763	(0.806)	543049	750.000	988
\$ 51 Toluene-d8	98	5.848	5.848	(0.818)	87400	50.0000	50.2
52 Toluene	91	5.918	5.918	(0.828)	539089	150.000	180
53 trans-1,3-Dichloropropene	75	6.202	6.201	(0.868)	172722	150.000	215
54 Ethyl Methacrylate	69	6.292	6.292	(0.880)	130521	150.000	203
55 1,1,2-Trichloroethane	83	6.389	6.389	(0.894)	92941	150.000	190
56 Tetrachloroethene	166	6.432	6.432	(0.900)	151509	150.000	189
57 1,3-Dichloropropane	76	6.533	6.533	(0.914)	165156	150.000	190
58 2-Hexanone	43	6.608	6.603	(0.924)	390106	750.000	979
59 Dibromochloromethane	129	6.710	6.715	(0.939)	133513	150.000	197
60 1,2-Dibromoethane	107	6.790	6.790	(0.950)	105618	150.000	215
* 61 Chlorobenzene-d5	117	7.148	7.148	(1.000)	57990	50.0000	
62 Chlorobenzene	112	7.165	7.170	(1.002)	333093	150.000	179
63 1,1,1,2-Tetrachloroethane	131	7.245	7.245	(1.013)	128011	150.000	202
64 Ethylbenzene	106	7.245	7.245	(1.013)	191620	150.000	203
65 m&p-Xylene	106	7.341	7.341	(1.027)	462298	300.000	374
67 o-Xylene	106	7.582	7.582	(1.061)	213765	150.000	194
68 Styrene	104	7.598	7.598	(1.063)	365439	150.000	191
69 Bromoform	173	7.705	7.710	(0.903)	88932	150.000	199
146 n-amyl acetate	70	7.726	7.726	(1.922)	316342	600.000	744
70 Isopropylbenzene	105	7.812	7.812	(1.093)	578941	150.000	186

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb)	ON-COL (ppb)
\$ 72 4-Bromofluorobenzene	95	7.913	7.913	(1.107)	29701	50.0000	49.6
74 Bromobenzene	77	7.978	7.978	(1.116)	201028	150.000	178
73 1,1,2,2-Tetrachloroethane	83	7.999	7.999	(0.938)	146624	150.000	176
71 trans-1,4-Dichloro-2-butene	53	8.020	8.020	(1.122)	34242	150.000	199
75 1,2,3-Trichloropropane	110	8.026	8.026	(0.941)	36446	150.000	182
76 n-Propylbenzene	91	8.047	8.047	(0.944)	711456	150.000	176
77 2-Chlorotoluene	91	8.090	8.090	(0.949)	385384	150.000	166
78 1,3,5-Trimethylbenzene	105	8.149	8.149	(0.955)	489967	150.000	205
79 4-Chlorotoluene	126	8.160	8.159	(0.957)	139476	150.000	180
80 tert-Butylbenzene	119	8.315	8.309	(0.975)	544892	150.000	185
81 1,2,4-Trimethylbenzene	105	8.341	8.341	(0.978)	483575	150.000	199
82 sec-Butylbenzene	105	8.427	8.427	(0.988)	653608	150.000	184
83 1,3-Dichlorobenzene	146	8.486	8.486	(0.995)	269791	150.000	170
84 p-Isopropyltoluene	119	8.507	8.507	(0.997)	545284	150.000	193
* 85 1,4-Dichlorobenzene-d4	152	8.529	8.529	(1.000)	32886	50.0000	(Q)
86 1,4-Dichlorobenzene	146	8.539	8.539	(1.001)	274418	150.000	164
87 n-Butylbenzene	91	8.705	8.705	(1.021)	562785	150.000	202
88 1,2-Dichlorobenzene	146	8.711	8.711	(1.021)	263628	150.000	179
89 1,2-Dibromo-3-chloropropane	155	9.080	9.080	(1.065)	25992	150.000	194
90 1,2,4-Trichlorobenzene	180	9.443	9.443	(1.107)	192985	150.000	194
91 Hexachlorobutadiene	225	9.502	9.502	(1.114)	118202	150.000	196
92 Naphthalene	128	9.556	9.556	(1.120)	472178	150.000	192
93 1,2,3-Trichlorobenzene	180	9.652	9.652	(1.132)	201151	150.000	191
94 2,methyl-naphthalene	142	10.059	10.059	(1.179)	309094	150.000	219
148 1-Methylnaphthalene	141	10.144	10.144	(1.189)	247489	150.000	215

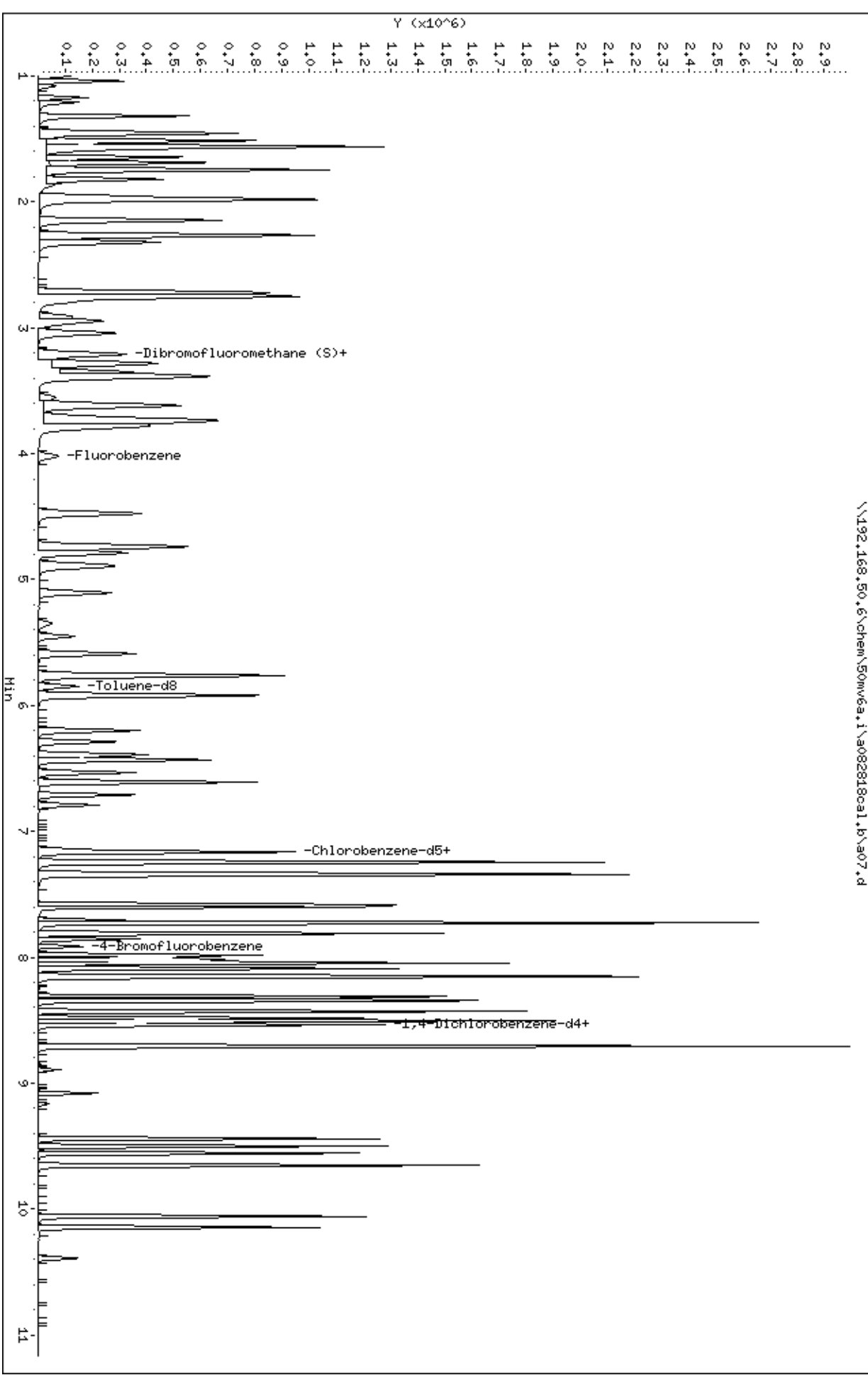
QC Flag Legend

Q - Qualifier signal failed the ratio test.

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Sample Info: 8260-CAL7,184853:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw6a.1
Operator: aia
Column diameter: 0.18

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Injection Date: 28-AUG-2018 18:09
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL7
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6a.i\a082818cal.b\a08.d
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 Inj Date : 28-AUG-2018 18:47
 Operator : ala Inst ID: 50mv6a.i
 Smp Info : 8260-cal8,184854:0
 Misc Info : 117677
 Comment :
 Method : \\192.168.50.6\chem\50mv6a.i\a082818cal.b\ -a8260sl_a_c.m
 Meth Date : 29-Aug-2018 11:10 aallison Quant Type: ISTD
 Cal Date : 15-AUG-2018 16:38 Cal File: a10.d
 Als bottle: 9 Calibration Sample, Level: 8
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)
1 Dichlorodifluoromethane	85		0.916	0.916	(0.228)	378636	300.000	277	
2 Chloromethane	50		0.991	0.996	(0.246)	420681	300.000	273	
3 Vinyl Chloride	62		1.039	1.039	(0.258)	410252	300.000	266	
4 Bromomethane	94		1.167	1.173	(0.290)	118076	300.000	95.0	
5 Chloroethane	64		1.210	1.221	(0.301)	98380	300.000	108	
6 Trichlorofluoromethane	101		1.317	1.328	(0.327)	529235	300.000	263	
8 Diethyl ether	74		1.440	1.446	(0.358)	183331	300.000	314	
7 1,2-dichlorotrifluoroethane	67		1.456	1.462	(0.362)	440863	300.000	286	
9 Acrolein	56		1.515	1.515	(0.377)	977524	6000.00	5200	
10 1,1,2trichlorotrifluoroethane	101		1.553	1.558	(0.386)	384336	300.000	316	
11 1,1-Dichloroethene	96		1.558	1.563	(0.387)	348418	300.000	305	
12 Acetone	43		1.579	1.579	(0.393)	334608	1500.00	1030	
13 Iodomethane	142		1.644	1.649	(0.408)	888234	600.000	698	
14 Carbon Disulfide	76		1.686	1.692	(0.419)	1172095	300.000	273	
16 Methyl Acetate	43		1.740	1.734	(0.432)	190179	300.000	237	
143 Acetonitrile	39		1.745	1.751	(0.434)	415769	300.000	175	
15 allyl chloride	41		1.745	1.751	(0.434)	701617	600.000	400	
17 Methylene Chloride	84		1.820	1.825	(0.452)	323969	300.000	189	
18 tert-Butyl Alcohol	59		1.874	1.863	(0.466)	77242	600.000	563	
19 Acrylonitrile	53		1.954	1.954	(0.486)	373732	1200.00	1140	
20 Methyl-tert-butyl ether	73		1.975	1.975	(0.491)	805161	300.000	331	
21 1,2-Dichloroethene (trans)	96		1.981	1.986	(0.492)	362135	300.000	305	
22 n-Hexane	57		2.146	2.152	(0.533)	490581	300.000	358	

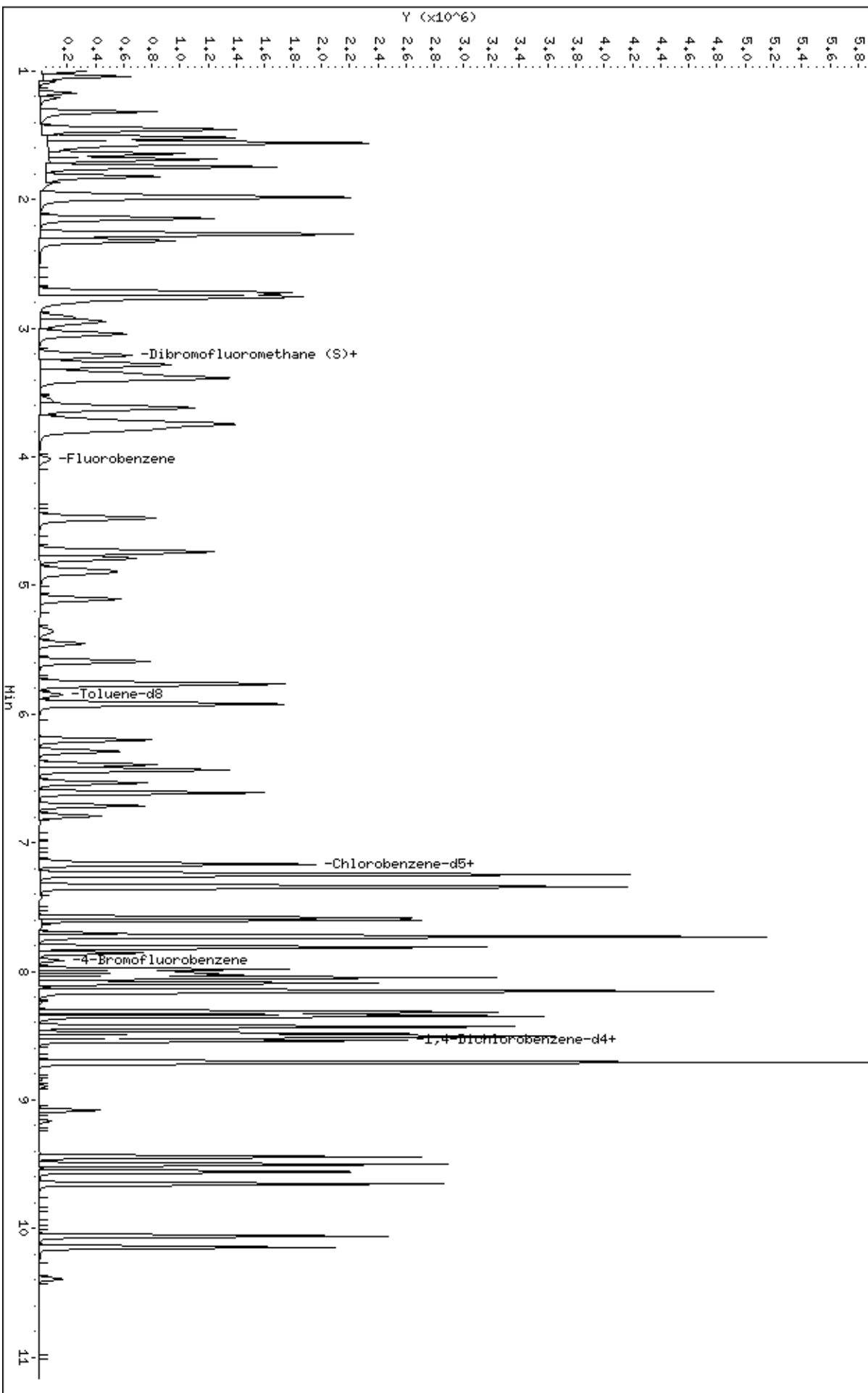
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb)	ON-COL (ppb)
24 Vinyl Acetate	43	2.264	2.264	(0.563)	1943193	1200.00	1310
23 1,1-Dichloroethane	63	2.269	2.275	(0.564)	562233	300.000	320
147 chloroprene	53	2.318	2.323	(0.576)	459243	300.000	349
28 2-Butanone	72	2.719	2.713	(0.676)	161550	1500.00	1980 (Q)
26 1,2-Dichloroethene (cis)	96	2.724	2.724	(0.677)	327926	300.000	337
27 2,2-Dichloropropane	77	2.724	2.730	(0.677)	439423	300.000	339
149 Propionitrile	54	2.783	2.772	(0.692)	36377	300.000	417
151 Ethyl Acetate	88	2.756	2.751	(0.685)	82477	2400.00	3500 (Q)
144 Methacrylonitrile	41	2.911	2.906	(0.724)	124787	300.000	352 (M)
30 Bromochloromethane	49	2.944	2.944	(0.731)	191519	300.000	272
31 Tetrahydrofuran	42	2.970	2.965	(0.738)	73409	300.000	342
32 Chloroform	83	3.045	3.045	(0.757)	501938	300.000	296
\$ 33 Dibromofluoromethane (S)	113	3.211	3.216	(0.798)	29018	50.0000	47.9
34 1,1,1-Trichloroethane	97	3.211	3.211	(0.798)	459777	300.000	325
35 Cyclohexane	56	3.281	3.286	(0.815)	490446	300.000	343
150 n-Butyl chloride	56	3.350	3.350	(0.833)	566830	300.000	334
36 Carbon Tetrachloride	117	3.382	3.382	(0.840)	425251	300.000	333
37 1,1-Dichloropropene	75	3.388	3.388	(0.842)	425640	300.000	352
39 Benzene	78	3.618	3.623	(0.899)	1119100	300.000	331
40 1,2-Dichloroethane	62	3.709	3.709	(0.922)	306788	300.000	306
145 isopropyl acetate	61	3.741	3.735	(0.930)	398736	1200.00	1480
141 2,2,4-Trimethylpentane	57	3.783	3.778	(0.940)	1033227	300.000	360
38 Isobutyl alcohol	43	3.559	3.548	(0.884)	111538	2700.00	3150
* 41 Fluorobenzene	96	4.024	4.024	(1.000)	89375	50.0000	
42 Trichloroethene	95	4.474	4.479	(1.112)	302830	300.000	346
43 Methylcyclohexane	55	4.736	4.736	(1.177)	414600	300.000	371
44 1,2-Dichloropropane	63	4.784	4.784	(1.189)	264118	300.000	324
45 Dibromomethane	93	4.880	4.880	(1.213)	153283	300.000	328
142 1,4-Dioxane	88	4.896	4.891	(1.217)	64684	6000.00	8380
46 Methyl methacrylate	69	4.902	4.907	(1.218)	151160	300.000	365
47 Bromodichloromethane	83	5.105	5.105	(1.269)	362099	300.000	318
48 2-Chloroethyl vinyl ether	63	5.453	5.453	(0.763)	133112	600.000	827
49 cis-1,3-Dichloropropene	75	5.592	5.586	(0.782)	419953	300.000	376
50 4-Methyl-2-Pentanone	43	5.768	5.763	(0.807)	1059999	1500.00	1700
\$ 51 Toluene-d8	98	5.848	5.848	(0.818)	96876	50.0000	51.7
52 Toluene	91	5.923	5.918	(0.829)	1133240	300.000	343
53 trans-1,3-Dichloropropene	75	6.202	6.201	(0.868)	361151	300.000	390
54 Ethyl Methacrylate	69	6.292	6.292	(0.880)	270784	300.000	370
55 1,1,2-Trichloroethane	83	6.394	6.389	(0.894)	191237	300.000	348
56 Tetrachloroethene	166	6.437	6.432	(0.900)	321900	300.000	358
57 1,3-Dichloropropane	76	6.533	6.533	(0.914)	340534	300.000	350
58 2-Hexanone	43	6.608	6.603	(0.924)	735351	1500.00	1630
59 Dibromochloromethane	129	6.715	6.715	(0.939)	270788	300.000	353
60 1,2-Dibromoethane	107	6.795	6.790	(0.951)	217465	300.000	388
* 61 Chlorobenzene-d5	117	7.148	7.148	(1.000)	62343	50.0000	
62 Chlorobenzene	112	7.170	7.170	(1.003)	681793	300.000	330
63 1,1,1,2-Tetrachloroethane	131	7.245	7.245	(1.013)	272227	300.000	378
64 Ethylbenzene	106	7.250	7.245	(1.014)	407946	300.000	383
65 m&p-Xylene	106	7.346	7.341	(1.028)	960546	600.000	698
67 o-Xylene	106	7.587	7.582	(1.061)	442573	300.000	358
68 Styrene	104	7.603	7.598	(1.064)	751753	300.000	350
69 Bromoform	173	7.710	7.710	(0.904)	180572	300.000	362
146 n-amyl acetate	70	7.732	7.726	(1.921)	640298	1200.00	1310
70 Isopropylbenzene	105	7.812	7.812	(1.093)	1182799	300.000	340

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb)	ON-COL (ppb)
\$ 72 4-Bromofluorobenzene	95	7.913	7.913	(1.107)	31468	50.0000	49.0
74 Bromobenzene	77	7.983	7.978	(1.117)	407451	300.000	327
73 1,1,2,2-Tetrachloroethane	83	8.004	7.999	(0.939)	289588	300.000	318
71 trans-1,4-Dichloro-2-butene	53	8.020	8.020	(1.122)	62383	300.000	320
75 1,2,3-Trichloropropane	110	8.026	8.026	(0.941)	71594	300.000	326
76 n-Propylbenzene	91	8.053	8.047	(0.944)	1403568	300.000	320
77 2-Chlorotoluene	91	8.095	8.090	(0.949)	787948	300.000	316
78 1,3,5-Trimethylbenzene	105	8.154	8.149	(0.956)	1012357	300.000	380
79 4-Chlorotoluene	126	8.160	8.159	(0.957)	286300	300.000	338
80 tert-Butylbenzene	119	8.315	8.309	(0.975)	1117733	300.000	345
81 1,2,4-Trimethylbenzene	105	8.347	8.341	(0.979)	1006123	300.000	374
82 sec-Butylbenzene	105	8.427	8.427	(0.988)	1317771	300.000	337
83 1,3-Dichlorobenzene	146	8.486	8.486	(0.995)	556657	300.000	325
84 p-Isopropyltoluene	119	8.507	8.507	(0.997)	1101351	300.000	351
* 85 1,4-Dichlorobenzene-d4	152	8.529	8.529	(1.000)	34870	50.0000	(Q)
86 1,4-Dichlorobenzene	146	8.539	8.539	(1.001)	554756	300.000	309
87 n-Butylbenzene	91	8.705	8.705	(1.021)	1177372	300.000	378
88 1,2-Dichlorobenzene	146	8.711	8.711	(1.021)	548277	300.000	342
89 1,2-Dibromo-3-chloropropane	155	9.085	9.080	(1.065)	52898	300.000	355
90 1,2,4-Trichlorobenzene	180	9.443	9.443	(1.107)	411323	300.000	372
91 Hexachlorobutadiene	225	9.502	9.502	(1.114)	266257	300.000	395
92 Naphthalene	128	9.561	9.556	(1.121)	961952	300.000	355
93 1,2,3-Trichlorobenzene	180	9.652	9.652	(1.132)	405895	300.000	348
94 2,methyl-naphthalene	142	10.059	10.059	(1.179)	622539	300.000	386
148 1-Methylnaphthalene	141	10.144	10.144	(1.189)	491209	300.000	375

QC Flag Legend

Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

\\192.168.50.6\chem\50mw6a.i\A082818cal.b\A08.d



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a08.d

Injection Date: 28-AUG-2018 18:47

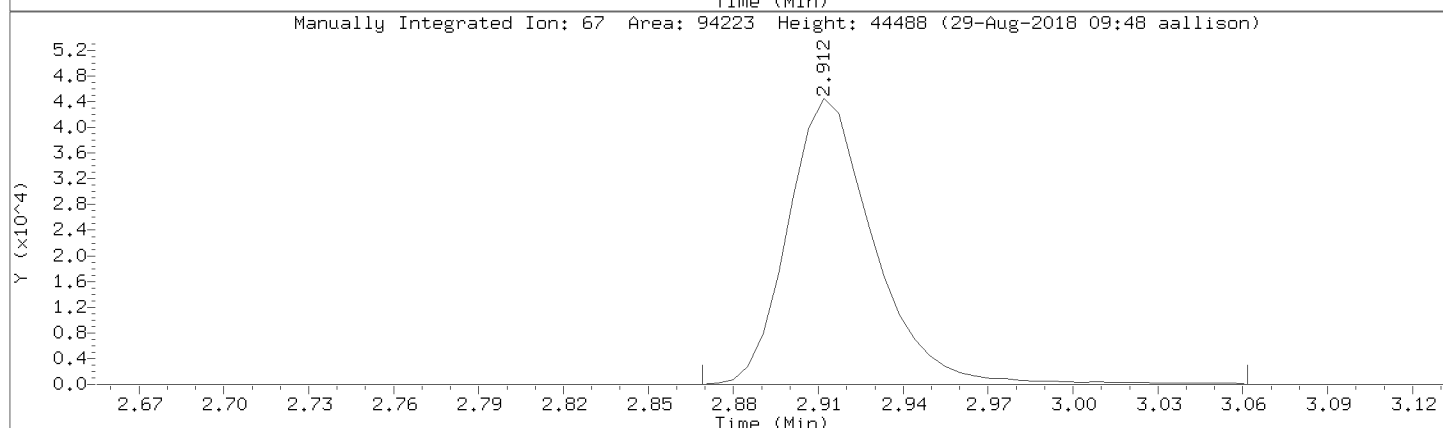
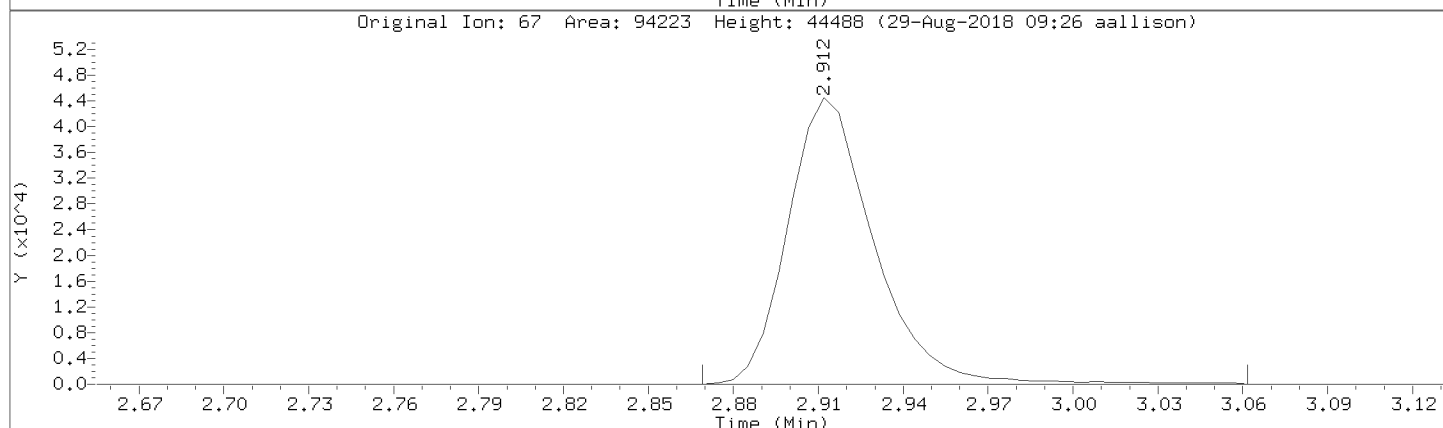
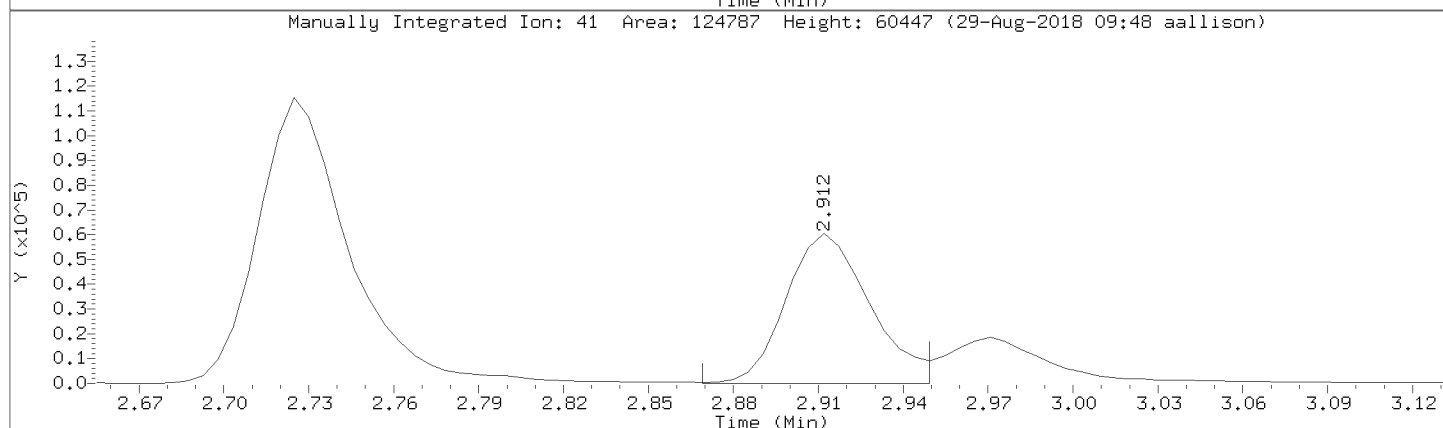
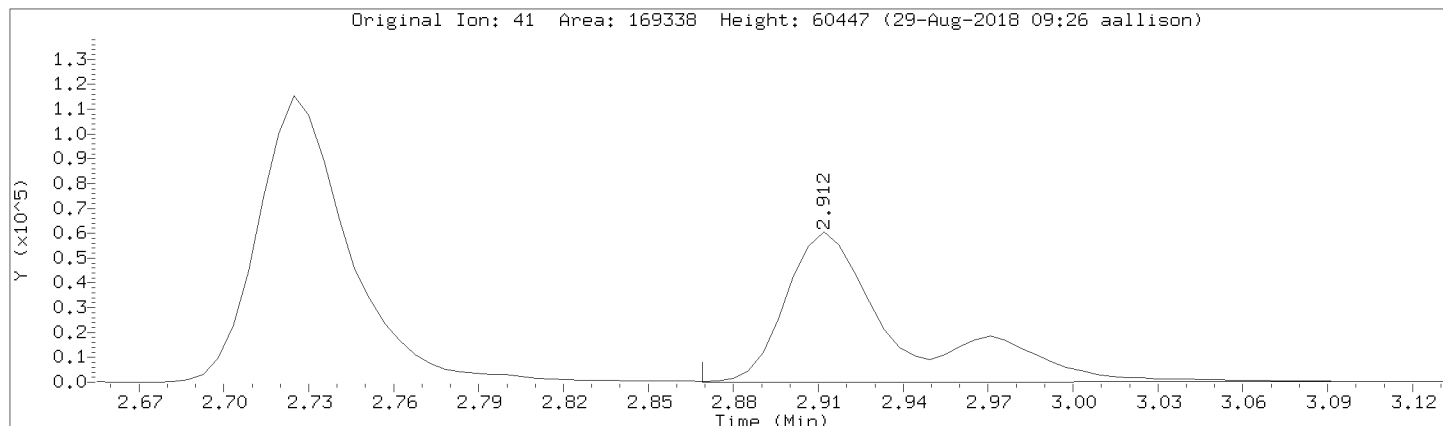
Instrument: 50mv6a.i

Lab Sample ID: 8260-CAL8

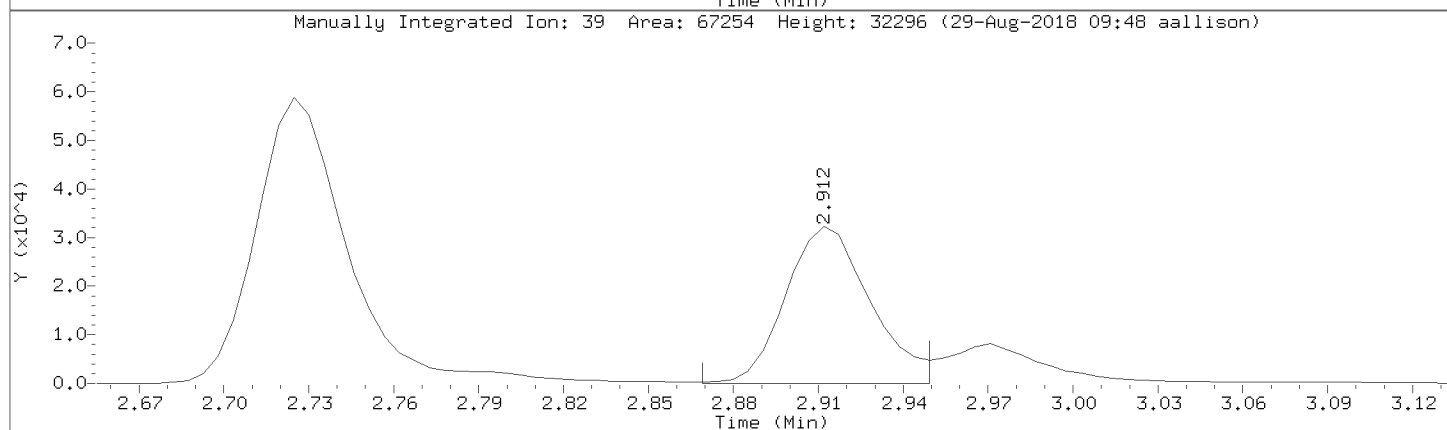
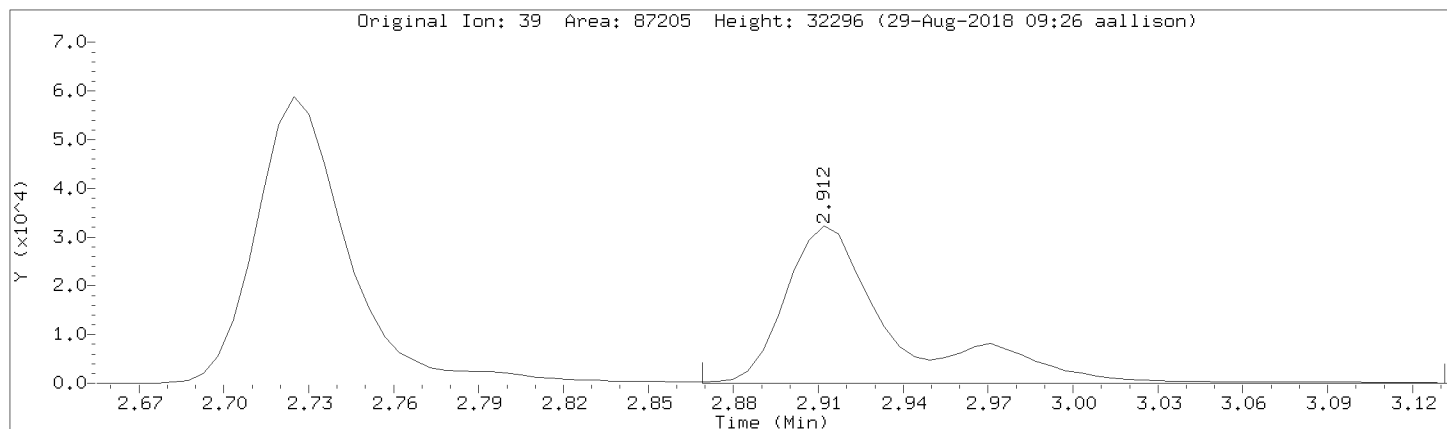
Compound: Methacrylonitrile

Review Code: CO

CAS Number: 126-98-7



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a08.d
Injection Date: 28-AUG-2018 18:47
Instrument: 50mv6a.i
Lab Sample ID: 8260-CAL8



MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

13735591CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 09/02/2018 Time: 03:15

Instrument ID: 50MV2A GC Column: Col 1

Init. Calib. Date(s): 08/22/2018 08/22/2018

Lab File ID: A090118.B\C01CCV.D

Init. Calib. Time(s): 13:46 18:07

SDG No.: 50204438

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Wt Linear	250	256.5016	0.0100	2.6007	20.0000
Acrolein	Averaged	0.05552	0.05099	0.0000	-8.1651	20.0000
Benzene	Averaged	0.97233	0.94139	0.5000	-3.1821	20.0000
Bromodichloromethane	Averaged	0.35382	0.31230	0.2000	-11.7344	20.0000
Bromoform	Averaged	0.45256	0.40230	0.1000	-11.1056	20.0000
Bromomethane	Averaged	0.09000	0.07827	0.1000	-13.0355	20.0000
2-Butanone (MEK)	Averaged	0.02275	0.02447	0.0100	7.5789	20.0000
n-Butylbenzene	Averaged	2.52921	2.28590	0.0000	-9.6200	20.0000
sec-Butylbenzene	Averaged	3.20972	3.13528	0.0000	-2.3192	20.0000
tert-Butylbenzene	Averaged	2.88606	2.82586	0.0000	-2.0859	20.0000
Carbon disulfide	Averaged	0.66892	0.62455	0.1000	-6.6327	20.0000
Carbon tetrachloride	Averaged	0.36270	0.35591	0.1000	-1.8726	20.0000
Chlorobenzene	Averaged	0.86853	0.84884	0.5000	-2.2678	20.0000
Chloroethane	Wt Linear	50	50.25832	0.1000	0.5166	20.0000
Chloroform	Averaged	0.46836	0.41622	0.2000	-11.1330	20.0000
Chloromethane	Linear	50	38.83959	0.1000	-22.3208	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.27421	0.27547	0.1000	0.4585	20.0000
Dibromomethane	Averaged	0.13534	0.12669	0.0000	-6.3926	20.0000
1,2-Dichlorobenzene	Averaged	1.20949	1.17598	0.4000	-2.7704	20.0000
1,3-Dichlorobenzene	Averaged	1.35353	1.31225	0.6000	-3.0497	20.0000
1,4-Dichlorobenzene	Averaged	1.36085	1.31695	0.5000	-3.2256	20.0000
Dichlorodifluoromethane	Wt Linear	50	61.75724	0.1000	23.5145	20.0000
1,1-Dichloroethane	Averaged	0.47066	0.45082	0.2000	-4.2150	20.0000
1,2-Dichloroethane	Averaged	0.35674	0.32572	0.1000	-8.6935	20.0000
1,1-Dichloroethene	Averaged	0.22630	0.21116	0.1000	-6.6876	20.0000
cis-1,2-Dichloroethene	Averaged	0.27413	0.25881	0.1000	-5.5861	20.0000
trans-1,2-Dichloroethene	Averaged	0.24803	0.23391	0.1000	-5.6913	20.0000
1,2-Dichloropropane	Averaged	0.25803	0.23089	0.1000	-10.5167	20.0000
cis-1,3-Dichloropropene	Averaged	0.53177	0.48338	0.2000	-9.0997	20.0000
trans-1,3-Dichloropropene	Averaged	0.49822	0.44148	0.1000	-11.3888	20.0000
Ethylbenzene	Averaged	0.50553	0.48658	0.1000	-3.7477	20.0000
2-Hexanone	Averaged	0.29038	0.24880	0.0500	-14.3172	20.0000
Isopropylbenzene (Cumene)	Averaged	1.64539	1.50527	0.1000	-8.5163	20.0000
p-Isopropyltoluene	Averaged	2.68738	2.69786	0.0000	0.3900	20.0000
Methylene Chloride	Wt Linear	50	49.01516	0.1000	-1.9697	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.41166	0.35022	0.0500	-14.9242	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/10/2018 6:36

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

13735591CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 09/02/2018 Time: 03:15

Instrument ID: 50MV2A GC Column: Col 1

Init. Calib. Date(s): 08/22/2018 08/22/2018

Lab File ID: A090118.B\C01CCV.D

Init. Calib. Time(s): 13:46 18:07

SDG No.: 50204438

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Methyl-tert-butyl ether	Averaged	0.69579	0.66737	0.1000	-4.0841	20.0000
Naphthalene	Averaged	2.01617	1.96559	0.0000	-2.5088	20.0000
n-Propylbenzene	Averaged	3.59863	3.49319	0.0000	-2.9300	20.0000
Styrene	Averaged	0.97680	0.94942	0.3000	-2.8033	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.33630	0.32227	0.0000	-4.1716	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.72259	0.63009	0.3000	-12.8008	20.0000
Tetrachloroethene	Averaged	0.40361	0.40559	0.2000	0.4903	20.0000
Toluene	Averaged	1.50330	1.34269	0.4000	-10.6838	20.0000
1,2,4-Trichlorobenzene	Averaged	0.86827	0.81321	0.2000	-6.3412	20.0000
1,1,1-Trichloroethane	Wt Linear	50	49.66047	0.1000	-0.6790	20.0000
1,1,2-Trichloroethane	Wt Linear	50	51.51784	0.1000	3.0357	20.0000
Trichloroethene	Averaged	0.26494	0.24404	0.1000	-7.8890	20.0000
Trichlorofluoromethane	Averaged	0.34718	0.34600	0.1000	-0.3395	20.0000
1,2,4-Trimethylbenzene	Averaged	2.48572	2.37149	0.0000	-4.5957	20.0000
1,3,5-Trimethylbenzene	Averaged	2.48534	2.27844	0.0000	-8.3248	20.0000
Vinyl acetate	Averaged	0.77034	0.65631	0.0000	-14.8030	20.0000
Vinyl chloride	Averaged	0.29244	0.27385	0.1000	-6.3591	20.0000
m&p-Xylene	Averaged	0.62874	0.58703	0.1000	-6.6341	20.0000
o-Xylene	Averaged	0.57458	0.55941	0.3000	-2.6399	20.0000
4-Bromofluorobenzene (S)	Averaged	0.46797	0.48179	0.1000	2.9520	20.0000
Dibromofluoromethane (S)	Averaged	0.22330	0.24771	0.1000	10.9322	20.0000
Toluene-d8 (S)	Averaged	1.22248	1.26723	0.1000	3.6609	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/10/2018 6:36

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

13740061CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 09/04/2018 Time: 22:37

Instrument ID: 50MV6A GC Column: Col 1

Init. Calib. Date(s): 08/28/2018 08/28/2018

Lab File ID: A090418.B\C01CCV.D

Init. Calib. Time(s): 14:20 18:47

SDG No.: 50204438

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Averaged	0.16142	0.12439	0.0100	-22.9390	20.0000
Acrolein	Averaged	0.10333	0.07527	0.0000	-27.1536	20.0000
Benzene	Averaged	1.91700	2.10316	0.5000	9.7110	20.0000
Bromodichloromethane	Averaged	0.64227	0.70580	0.2000	9.8908	20.0000
Bromoform	Averaged	0.73714	0.81053	0.1000	9.9572	20.0000
Bromomethane	Averaged	0.69502	0.46560	0.1000	-33.0096	20.0000
2-Butanone (MEK)	Wt Linear	250	206.2530	0.0100	-17.4988	20.0000
n-Butylbenzene	Averaged	4.63675	4.75337	0.0000	2.5153	20.0000
sec-Butylbenzene	Averaged	5.71027	6.22209	0.0000	8.9632	20.0000
tert-Butylbenzene	Averaged	4.74776	5.17977	0.0000	9.0992	20.0000
Carbon disulfide	Averaged	2.37247	2.35033	0.1000	-0.9331	20.0000
Carbon tetrachloride	Averaged	0.72497	0.83784	0.1000	15.5701	20.0000
Chlorobenzene	Averaged	1.68129	1.78500	0.5000	6.1681	20.0000
Chloroethane	Averaged	0.52826	0.43297	0.1000	-18.0382	20.0000
Chloroform	Averaged	0.98402	0.97994	0.2000	-0.4151	20.0000
Chloromethane	Averaged	0.85309	0.62055	0.1000	-27.2590	20.0000
1,2-Dibromoethane (EDB)	Wt Linear	50	47.47662	0.1000	-5.0467	20.0000
Dibromomethane	Averaged	0.26495	0.29117	0.0000	9.8958	20.0000
1,2-Dichlorobenzene	Averaged	2.33810	2.41141	0.4000	3.1357	20.0000
1,3-Dichlorobenzene	Averaged	2.48404	2.51776	0.6000	1.3575	20.0000
1,4-Dichlorobenzene	Averaged	2.58205	2.51455	0.5000	-2.6143	20.0000
Dichlorodifluoromethane	Averaged	0.75034	0.72205	0.1000	-3.7703	20.0000
1,1-Dichloroethane	Averaged	0.99108	1.01264	0.2000	2.1753	20.0000
1,2-Dichloroethane	Averaged	0.56178	0.58066	0.1000	3.3597	20.0000
1,1-Dichloroethene	Averaged	0.64028	0.69652	0.1000	8.7838	20.0000
cis-1,2-Dichloroethene	Averaged	0.55427	0.60329	0.1000	8.8453	20.0000
trans-1,2-Dichloroethene	Averaged	0.66645	0.73211	0.1000	9.8518	20.0000
1,2-Dichloropropane	Averaged	0.46070	0.48915	0.1000	6.1768	20.0000
cis-1,3-Dichloropropene	Averaged	0.96013	0.98714	0.2000	2.8134	20.0000
trans-1,3-Dichloropropene	Wt Linear	50	45.04181	0.1000	-9.9164	20.0000
Ethylbenzene	Averaged	0.91122	1.01696	0.1000	11.6036	20.0000
2-Hexanone	Averaged	0.36570	0.33421	0.0500	-8.6094	20.0000
Isopropylbenzene (Cumene)	Averaged	2.84032	3.18250	0.1000	12.0472	20.0000
p-Isopropyltoluene	Averaged	4.60312	5.01935	0.0000	9.0424	20.0000
Methylene Chloride	Wt Linear	50	51.20629	0.1000	2.4126	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.50876	0.46189	0.0500	-9.2111	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/10/2018 6:36

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

13740061CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 09/04/2018 Time: 22:37

Instrument ID: 50MV6A GC Column: Col 1

Init. Calib. Date(s): 08/28/2018 08/28/2018

Lab File ID: A090418.B\C01CCV.D

Init. Calib. Time(s): 14:20 18:47

SDG No.: 50204438

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Methyl-tert-butyl ether	Averaged	1.37980	1.48029	0.1000	7.2827	20.0000
Naphthalene	Averaged	3.97525	3.79787	0.0000	-4.4621	20.0000
n-Propylbenzene	Averaged	6.34872	6.85165	0.0000	7.9217	20.0000
Styrene	Averaged	1.76293	1.95527	0.3000	10.9102	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.59933	0.67249	0.0000	12.2073	20.0000
1,1,2,2-Tetrachloroethane	Averaged	1.31541	1.26457	0.3000	-3.8650	20.0000
Tetrachloroethene	Averaged	0.74125	0.85950	0.2000	15.9518	20.0000
Toluene	Averaged	2.69896	2.85148	0.4000	5.6509	20.0000
1,2,4-Trichlorobenzene	Averaged	1.63975	1.51092	0.2000	-7.8564	20.0000
1,1,1-Trichloroethane	Averaged	0.79983	0.91176	0.1000	13.9934	20.0000
1,1,2-Trichloroethane	Averaged	0.45088	0.46867	0.1000	3.9440	20.0000
Trichloroethene	Averaged	0.50055	0.57624	0.2000	15.1213	20.0000
Trichlorofluoromethane	Linear	50	49.76069	0.1000	-0.4786	20.0000
1,2,4-Trimethylbenzene	Averaged	3.97811	4.27397	0.0000	7.4372	20.0000
1,3,5-Trimethylbenzene	Averaged	3.94934	4.38278	0.0000	10.9751	20.0000
Vinyl acetate	Averaged	0.83867	0.67648	0.0000	-19.3387	20.0000
Vinyl chloride	Wt Linear	50	47.27917	0.1000	-5.4417	20.0000
m&p-Xylene	Averaged	1.12543	1.23701	0.1000	9.9148	20.0000
o-Xylene	Averaged	1.01511	1.16511	0.3000	14.7772	20.0000
4-Bromofluorobenzene (S)	Averaged	0.51389	0.53536	0.1000	4.1786	20.0000
Dibromofluoromethane (S)	Averaged	0.33720	0.33010	0.1000	-2.1049	20.0000
Toluene-d8 (S)	Averaged	1.50811	1.48807	0.1000	-1.3287	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/10/2018 6:36

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

13752262CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 09/05/2018 Time: 11:10

Instrument ID: 50MV6A GC Column: Col 1

Init. Calib. Date(s): 08/28/2018 08/28/2018

Lab File ID: A090518.B\A01CCV.D

Init. Calib. Time(s): 14:20 18:47

SDG No.: 50204438

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Averaged	0.16142	0.15666	0.0100	-2.9481	20.0000
Acrolein	Averaged	0.10333	0.09821	0.0000	-4.9563	20.0000
Benzene	Averaged	1.91700	2.17805	0.5000	13.6178	20.0000
Bromodichloromethane	Averaged	0.64227	0.72575	0.2000	12.9974	20.0000
Bromoform	Averaged	0.73714	0.70014	0.1000	-5.0181	20.0000
Bromomethane	Averaged	0.69502	0.53914	0.1000	-22.4288	20.0000
2-Butanone (MEK)	Wt Linear	250	212.9535	0.0100	-14.8186	20.0000
n-Butylbenzene	Averaged	4.63675	5.10225	0.0000	10.0394	20.0000
sec-Butylbenzene	Averaged	5.71027	6.06493	0.0000	6.2108	20.0000
tert-Butylbenzene	Averaged	4.74776	4.86824	0.0000	2.5376	20.0000
Carbon disulfide	Averaged	2.37247	2.65870	0.1000	12.0648	20.0000
Carbon tetrachloride	Averaged	0.72497	0.82771	0.1000	14.1727	20.0000
Chlorobenzene	Averaged	1.68129	1.79971	0.5000	7.0433	20.0000
Chloroethane	Averaged	0.52826	0.52255	0.1000	-1.0822	20.0000
Chloroform	Averaged	0.98402	1.00719	0.2000	2.3542	20.0000
Chloromethane	Averaged	0.85309	0.72826	0.1000	-14.6329	20.0000
1,2-Dibromoethane (EDB)	Wt Linear	50	47.99835	0.1000	-4.0033	20.0000
Dibromomethane	Averaged	0.26495	0.29741	0.0000	12.2536	20.0000
1,2-Dichlorobenzene	Averaged	2.33810	2.39634	0.4000	2.4909	20.0000
1,3-Dichlorobenzene	Averaged	2.48404	2.47757	0.6000	-0.2605	20.0000
1,4-Dichlorobenzene	Averaged	2.58205	2.53633	0.5000	-1.7706	20.0000
Dichlorodifluoromethane	Averaged	0.75034	0.63526	0.1000	-15.3367	20.0000
1,1-Dichloroethane	Averaged	0.99108	1.12302	0.2000	13.3122	20.0000
1,2-Dichloroethane	Averaged	0.56178	0.62815	0.1000	11.8137	20.0000
1,1-Dichloroethene	Averaged	0.64028	0.72514	0.1000	13.2545	20.0000
cis-1,2-Dichloroethene	Averaged	0.55427	0.60498	0.1000	9.1498	20.0000
trans-1,2-Dichloroethene	Averaged	0.66645	0.75687	0.1000	13.5665	20.0000
1,2-Dichloropropane	Averaged	0.46070	0.55119	0.1000	19.6419	20.0000
cis-1,3-Dichloropropene	Averaged	0.96013	1.08157	0.2000	12.6488	20.0000
trans-1,3-Dichloropropene	Wt Linear	50	48.55153	0.1000	-2.8969	20.0000
Ethylbenzene	Averaged	0.91122	1.03477	0.1000	13.5585	20.0000
2-Hexanone	Averaged	0.36570	0.38381	0.0500	4.9522	20.0000
Isopropylbenzene (Cumene)	Averaged	2.84032	3.33983	0.1000	17.5865	20.0000
p-Isopropyltoluene	Averaged	4.60312	4.96301	0.0000	7.8184	20.0000
Methylene Chloride	Wt Linear	50	56.49988	0.1000	12.9998	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.50876	0.54335	0.0500	6.7992	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/10/2018 6:36

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

13752262CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 09/05/2018 Time: 11:10

Instrument ID: 50MV6A GC Column: Col 1

Init. Calib. Date(s): 08/28/2018 08/28/2018

Lab File ID: A090518.B\A01CCV.D

Init. Calib. Time(s): 14:20 18:47

SDG No.: 50204438

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Methyl-tert-butyl ether	Averaged	1.37980	1.58749	0.1000	15.0520	20.0000
Naphthalene	Averaged	3.97525	3.55547	0.0000	-10.5599	20.0000
n-Propylbenzene	Averaged	6.34872	6.73925	0.0000	6.1512	20.0000
Styrene	Averaged	1.76293	2.04425	0.3000	15.9571	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.59933	0.67278	0.0000	12.2549	20.0000
1,1,2,2-Tetrachloroethane	Averaged	1.31541	1.24188	0.3000	-5.5897	20.0000
Tetrachloroethene	Averaged	0.74125	0.79215	0.2000	6.8664	20.0000
Toluene	Averaged	2.69896	2.94961	0.4000	9.2870	20.0000
1,2,4-Trichlorobenzene	Averaged	1.63975	1.60175	0.2000	-2.3171	20.0000
1,1,1-Trichloroethane	Averaged	0.79983	0.90042	0.1000	12.5766	20.0000
1,1,2-Trichloroethane	Averaged	0.45088	0.51138	0.1000	13.4176	20.0000
Trichloroethene	Averaged	0.50055	0.56399	0.2000	12.6737	20.0000
Trichlorofluoromethane	Linear	50	51.69683	0.1000	3.3937	20.0000
1,2,4-Trimethylbenzene	Averaged	3.97811	4.23875	0.0000	6.5518	20.0000
1,3,5-Trimethylbenzene	Averaged	3.94934	4.21902	0.0000	6.8285	20.0000
Vinyl acetate	Averaged	0.83867	0.82812	0.0000	-1.2573	20.0000
Vinyl chloride	Wt Linear	50	50.93134	0.1000	1.8627	20.0000
m&p-Xylene	Averaged	1.12543	1.27173	0.1000	12.9994	20.0000
o-Xylene	Averaged	1.01511	1.16729	0.3000	14.9914	20.0000
4-Bromofluorobenzene (S)	Averaged	0.51389	0.55824	0.1000	8.6309	20.0000
Dibromofluoromethane (S)	Averaged	0.33720	0.33422	0.1000	-0.8839	20.0000
Toluene-d8 (S)	Averaged	1.50811	1.54325	0.1000	2.3301	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

09/10/2018 6:36

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a082218.b\allicv.d
 Lab Smp Id: 8260-ICV Client Smp ID: 8260-ICV
 Inj Date : 22-AUG-2018 19:13
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 8260-icv,184427:5
 Misc Info : 117473
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a082218.b\ -a8260_a_c.m
 Meth Date : 26-Aug-2018 16:30 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 11 QC Sample: ICV
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						CONCENTRATIONS		REVIEW C
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb)	FINAL (ppb)	
1 Dichlorodifluoromethane	85		0.927	0.927	(0.213)	122411	61.4471	61.4		
2 Chloromethane	50		1.030	1.032	(0.236)	77761	45.5217	45.5		
3 Vinyl Chloride	62		1.069	1.069	(0.245)	103484	48.2452	48.2		
4 Bromomethane	94		1.230	1.230	(0.282)	45553	69.0055	69.0		
5 Chloroethane	64		1.277	1.277	(0.293)	60043	54.7059	54.7		
6 Trichlorofluoromethane	101		1.403	1.402	(0.322)	111467	43.7734	43.8		
7 Diethyl ether	74		1.539	1.539	(0.353)	48431	45.8530	45.8		
8 1,2-dichlorotrifluoroethane	67		1.536	1.536	(0.352)	103165	57.7016	57.7		
9 Acrolein	56		1.611	1.614	(0.370)	293811	721.487	721		
10 1,1,2trichlorotrifluoroethane	101		1.667	1.667	(0.382)	82103	49.7974	49.8		
11 1,1-Dichloroethene	96		1.673	1.675	(0.384)	76394	46.0256	46.0		
12 Acetone	43		1.692	1.695	(0.388)	112868	239.772	240		
13 Iodomethane	142		1.770	1.770	(0.406)	178932	95.6912	95.7		
14 Carbon Disulfide	76		1.814	1.814	(0.416)	232469	47.3818	47.4		
15 Methyl Acetate	43		1.692	1.695	(0.388)	112868	47.5788	47.6 (Q)		
16 Acetonitrile	39		1.881	1.881	(0.432)	208769	39.5368	39.5		
17 allyl chloride	41		1.881	1.881	(0.432)	322615	92.8043	92.8 (QM)	NI	
18 Methylene Chloride	84		1.956	1.956	(0.449)	79200	49.3230	49.3		
19 tert-Butyl Alcohol	59		2.009	2.003	(0.461)	13000	86.8499	86.8		
20 Acrylonitrile	53		2.115	2.112	(0.485)	144673	194.876	195		
21 Methyl-tert-butyl ether	73		2.132	2.134	(0.489)	255643	50.0933	50.1		
22 1,2-Dichloroethene (trans)	96		2.140	2.140	(0.491)	85128	46.7944	46.8		
23 n-Hexane	57		2.335	2.335	(0.535)	176710	49.9690	50.0		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ppb)	FINAL (ppb)	
24 Vinyl Acetate	43	2.482	2.485 (0.569)	1001073	177.176	177 (M)	WP	
25 1,1-Dichloroethane	63	2.452	2.454 (0.562)	168818	48.9030	48.9		
26 Chloroprene	53	2.529	2.529 (0.580)	183620	46.8286	46.8		
27 Ethyl acetate	88	2.527	2.529 (0.580)	80879	407.344	407		
28 2-Butanone	72	2.983	2.983 (0.684)	43002	257.705	258		
29 1,2-Dichloroethene (cis)	96	2.972	2.969 (0.682)	93841	46.6727	46.7		
30 2,2-Dichloropropane	77	2.972	2.972 (0.682)	133310	44.6666	44.7		
31 Propionitrile	54	3.053	3.047 (0.700)	10949	44.9235	44.9		
32 Methacrylonitrile	41	3.211	3.214 (0.736)	267358	200.894	201 (Q)		
33 Bromochloromethane	49	3.222	3.219 (0.739)	72569	45.3919	45.4		
34 Tetrahydrofuran	42	3.208	3.269 (0.736)	7939	11.1172	11.1 (Q)		
35 Chloroform	83	3.311	3.311 (0.759)	159118	46.3193	46.3		
\$ 36 Dibromofluoromethane (S)	113	3.500	3.503 (0.803)	84010	51.2929	51.3		
37 1,1,1-Trichloroethane	97	3.523	3.523 (0.808)	150008	50.5848	50.6		
38 cyclohexane	56	3.592	3.587 (0.824)	165357	40.6824	40.7		
150 n-butyl chloride	56	3.592	3.662 (0.824)	166523	34.4603	34.5		
39 Carbon Tetrachloride	117	3.731	3.728 (0.856)	129946	48.8465	48.8		
40 1,1-Dichloropropene	75	3.734	3.734 (0.856)	122425	48.9022	48.9		
41 Benzene	78	4.004	4.004 (0.918)	345393	48.4306	48.4		
42 1,2-Dichloroethane	62	4.032	4.032 (0.925)	126022	48.1637	48.2		
43 2,2,4-Trimethylpentane	57	4.118	4.121 (0.944)	457998	55.4088	55.4 (Q)		
44 Isobutyl alcohol	43	3.662	3.662 (0.840)	61583	1256.16	1260 (R)		
* 45 Fluorobenzene	96	4.360	4.363 (1.000)	366732	50.0000			
46 isopropyl acetate	61	4.140	4.146 (0.950)	181506	254.651	255		
47 Trichloroethene	95	4.805	4.802 (1.102)	93605	48.1695	48.2		
48 Methylcyclohexane	55	5.020	5.022 (1.151)	153802	44.9621	45.0 (Q)		
49 1,2-Dichloropropane	63	5.070	5.067 (1.163)	96790	51.1424	51.1		
50 1,4-Dioxane	88	5.237	5.245 (1.201)	3351	588.399	588 (RM)		
51 Dibromomethane	93	5.200	5.200 (1.193)	50926	51.3014	51.3		
52 Methyl methacrylate	69	5.248	5.248 (1.204)	68050	47.5594	47.6 (Q)		
53 Bromodichloromethane	83	5.398	5.398 (1.238)	113662	43.7981	43.8		
54 2-Chloroethyl vinyl ether	63	5.771	5.771 (0.765)	68427	49.3873	49.4		
55 cis-1,3-Dichloropropene	75	5.904	5.907 (0.783)	149266	49.4234	49.4		
56 4-Methyl-2-Pentanone	43	6.096	6.099 (0.809)	557806	238.581	238		
\$ 57 Toluene-d8	98	6.188	6.188 (0.821)	340797	49.0850	49.1		
58 Toluene	91	6.258	6.260 (0.830)	391796	45.8889	45.9		
59 trans-1,3-Dichloropropene	75	6.514	6.513 (0.864)	133326	47.1182	47.1		
60 Ethyl Methacrylate	69	6.633	6.633 (0.880)	496249	188.862	189		
61 1,1,2-Trichloroethane	83	6.689	6.689 (0.887)	62154	49.7328	49.7 (Q)		
62 Tetrachloroethene	166	6.806	6.806 (0.903)	112570	49.1080	49.1		
63 1,3-Dichloropropane	76	6.842	6.845 (0.907)	139895	50.2534	50.2		
64 2-Hexanone	43	6.945	6.945 (0.921)	381811	231.516	232		
65 Dibromochloromethane	129	7.045	7.045 (0.934)	93632	50.1284	50.1		
66 1,2-Dibromoethane	107	7.134	7.134 (0.946)	78999	50.7255	50.7		
* 67 Chlorobenzene-d5	117	7.540	7.540 (1.000)	283973	50.0000			
68 Chlorobenzene	112	7.563	7.565 (1.003)	247433	50.1608	50.2		
69 1,1,1,2-Tetrachloroethane	131	7.638	7.640 (1.013)	91194	47.7455	47.7		
70 Ethylbenzene	106	7.666	7.663 (1.017)	138302	48.1701	48.2		
71 m&p-Xylene	106	7.760	7.763 (1.029)	338819	94.8826	94.9		
72 o-Xylene	106	8.072	8.072 (1.070)	158898	48.6922	48.7		
73 Styrene	104	8.083	8.083 (1.072)	270955	48.8410	48.8		
74 Bromoform	173	8.219	8.219 (0.887)	61983	45.8808	45.9		
75 Isopropylbenzene	105	8.350	8.353 (1.107)	442229	47.3228	47.3		
\$ 76 4-Bromofluorobenzene	95	8.461	8.461 (1.122)	132299	49.7770	49.8		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ppb)	FINAL (ppb)	
77 n-amyl acetate	70	8.241	8.241	(1.093)	278815	208.566	208	
78 Bromobenzene	77	8.567	8.567	(1.136)	162270	49.6971	49.7	
79 1,1,2,2-Tetrachloroethane	83	8.575	8.575	(0.925)	95885	44.4528	44.4	
80 trans-1,4-Dichloro-2-butene	53	8.614	8.614	(1.142)	126412	165.371	165 (Q)	
81 1,2,3-Trichloropropane	110	8.603	8.603	(0.928)	31918	47.2420	47.2 (Q)	
82 n-Propylbenzene	91	8.650	8.650	(0.933)	513568	47.8078	47.8	
83 2-Chlorotoluene	91	8.706	8.709	(0.939)	303678	51.6667	51.7	
84 1,3,5-Trimethylbenzene	105	8.776	8.775	(0.947)	350006	47.1768	47.2	
85 4-Chlorotoluene	126	8.784	8.787	(0.948)	103544	50.5819	50.6	
86 tert-Butylbenzene	119	9.001	9.004	(0.971)	365070	42.3749	42.4	
87 1,2,4-Trimethylbenzene	105	9.034	9.034	(0.975)	349235	47.0655	47.1	
88 sec-Butylbenzene	105	9.148	9.151	(0.987)	457577	47.7569	47.8	
89 1,3-Dichlorobenzene	146	9.224	9.223	(0.995)	200429	49.6056	49.6	
90 p-Isopropyltoluene	119	9.246	9.246	(0.998)	403453	50.2925	50.3	
* 91 1,4-Dichlorobenzene-d4	152	9.268	9.268	(1.000)	149256	50.0000	(Q)	
92 1,4-Dichlorobenzene	146	9.285	9.285	(1.002)	197830	48.6992	48.7	
93 n-Butylbenzene	91	9.516	9.516	(1.027)	355234	47.0509	47.0	
94 1,2-Dichlorobenzene	146	9.530	9.532	(1.028)	180938	50.1149	50.1	
95 1,2-Dibromo-3-chloropropane	155	10.033	10.033	(1.083)	18810	51.5816	51.6	
96 1,2,4-Trichlorobenzene	180	10.545	10.545	(1.138)	135572	52.3065	52.3	
97 Hexachlorobutadiene	225	10.640	10.640	(1.148)	72249	53.8054	53.8	
98 Naphthalene	128	10.701	10.701	(1.155)	308270	51.2203	51.2	
99 1,2,3-Trichlorobenzene	180	10.846	10.845	(1.170)	122831	52.7418	52.7	
100 2-methyl-naphthalene	142	11.422	11.419	(1.232)	148666	48.1059	48.1	
101 1-Methylnaphthalene	142	11.558	11.558	(1.247)	124028	49.8389	49.8	

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

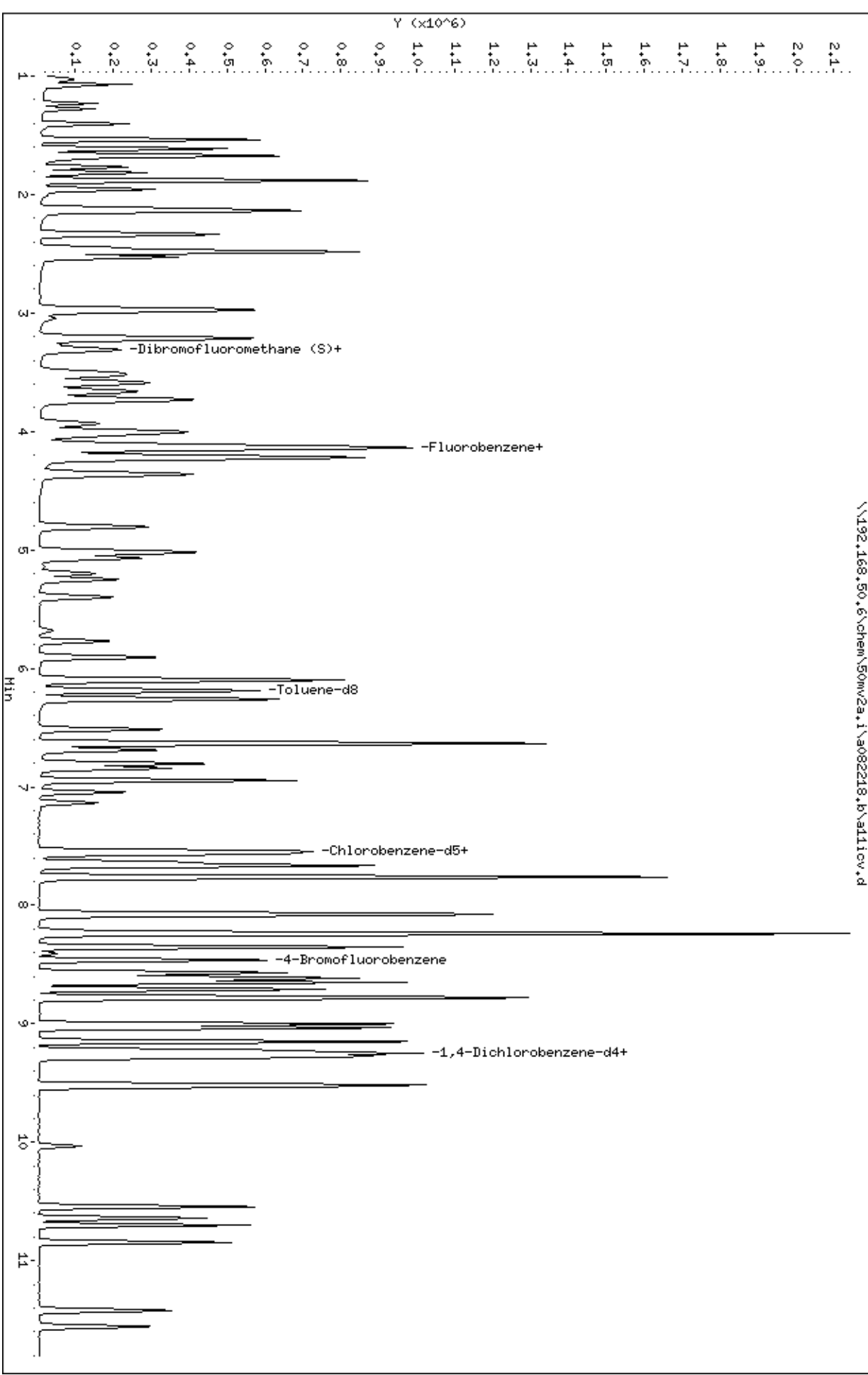
Review Codes Legend

- :
NI: Indicates that the peak was not integrated at all by the computer software.
- WP: Indicates that the wrong peak was chosen by the data system.

Data File: \\192.168.50.6\chem\50mw2a.1\3082218.b\all1cv.d
Date: 22-AUG-2018 19:13
Client ID: 8260-ICW
Sample Info: 8260-ICW,184427:5
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw2a.1
Operator: amw
Column diameter: 0.18

\\192.168.50.6\chem\50mw2a.1\3082218.b\all1cv.d



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

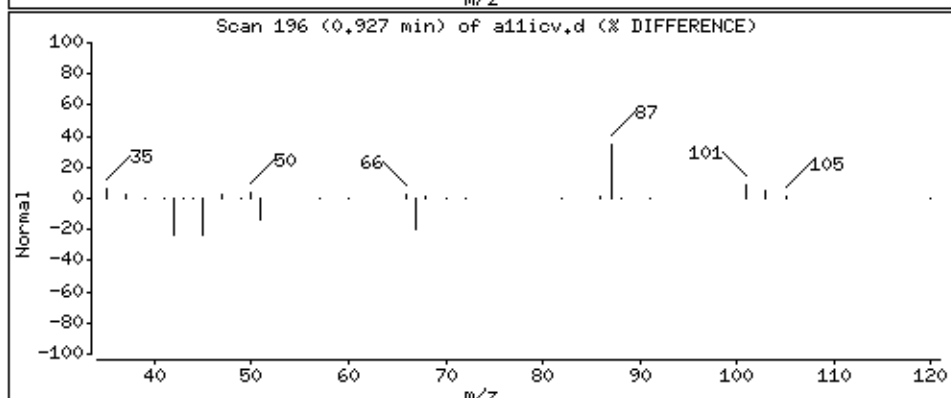
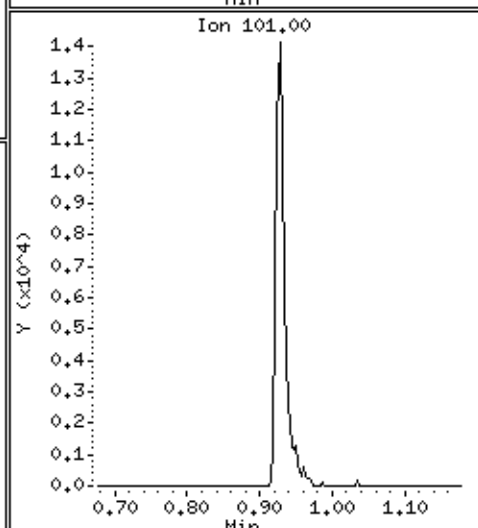
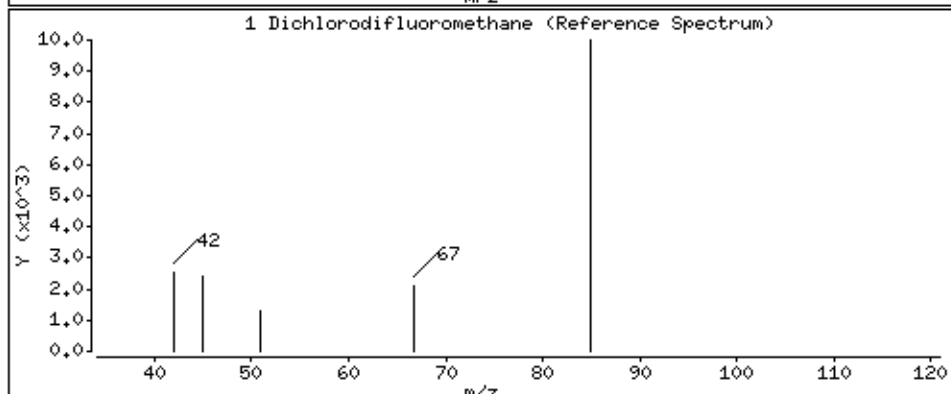
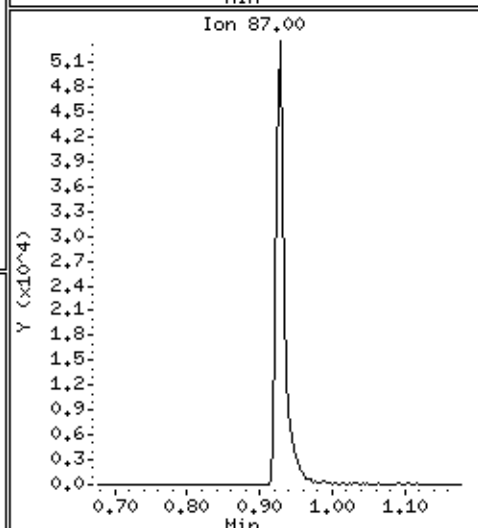
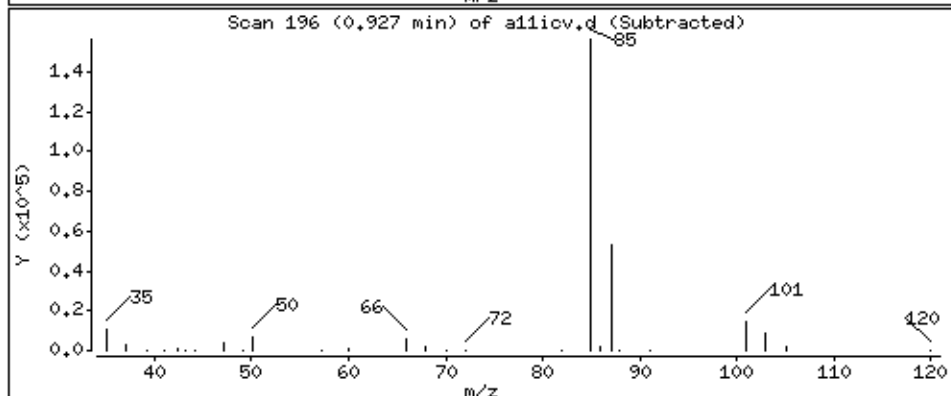
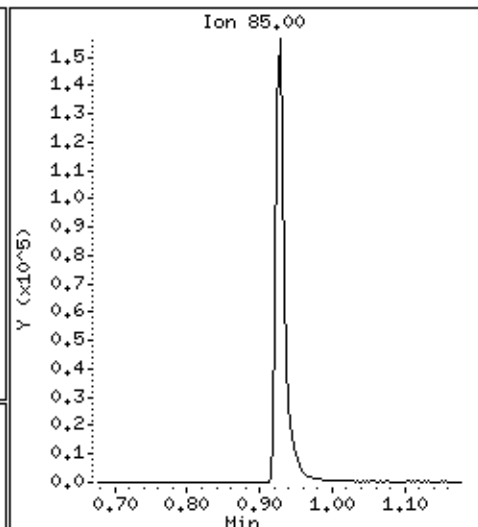
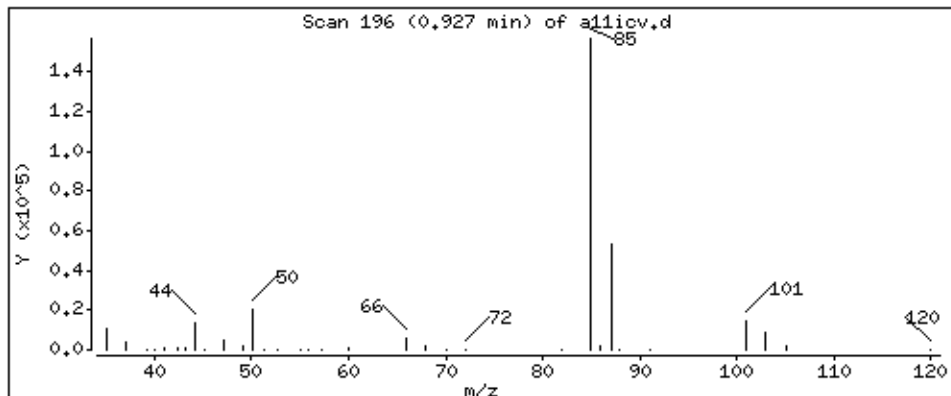
Operator: amv

Column phase: DB-624

Column diameter: 0,18

1 Dichlorodifluoromethane

Concentration: 61.4 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

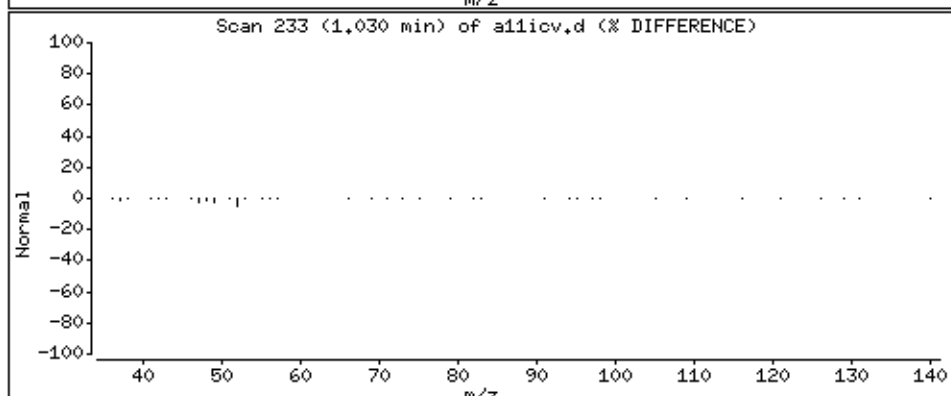
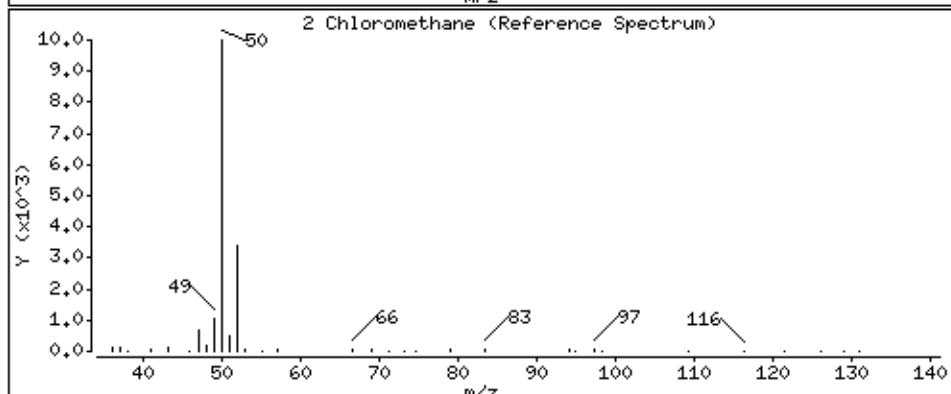
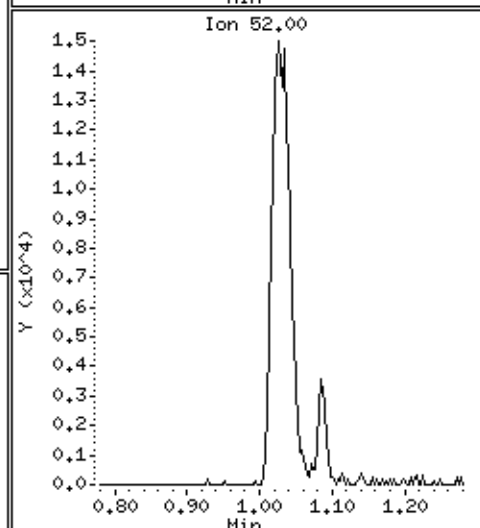
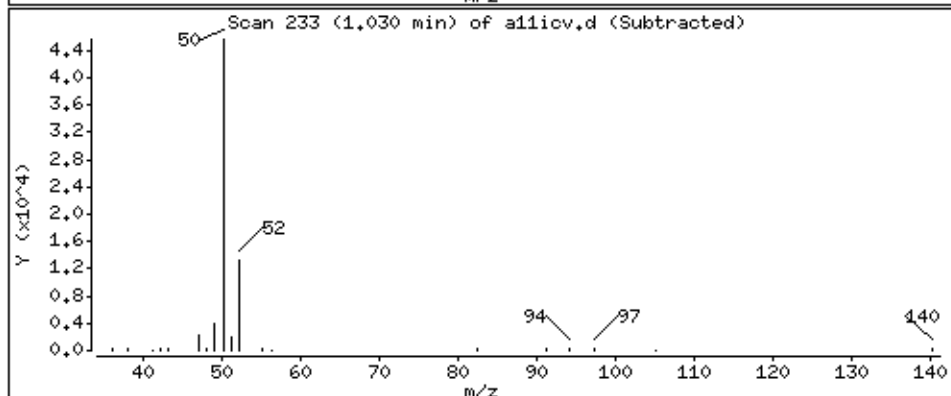
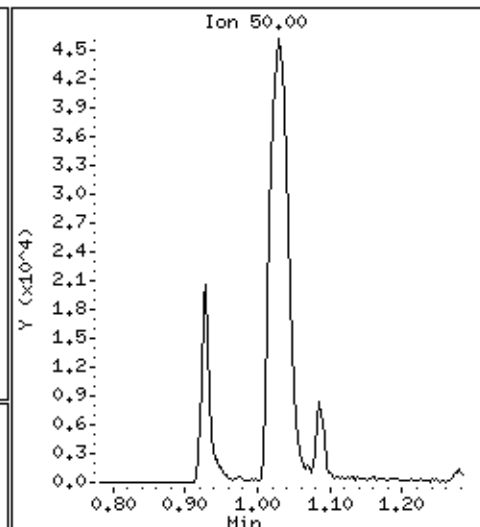
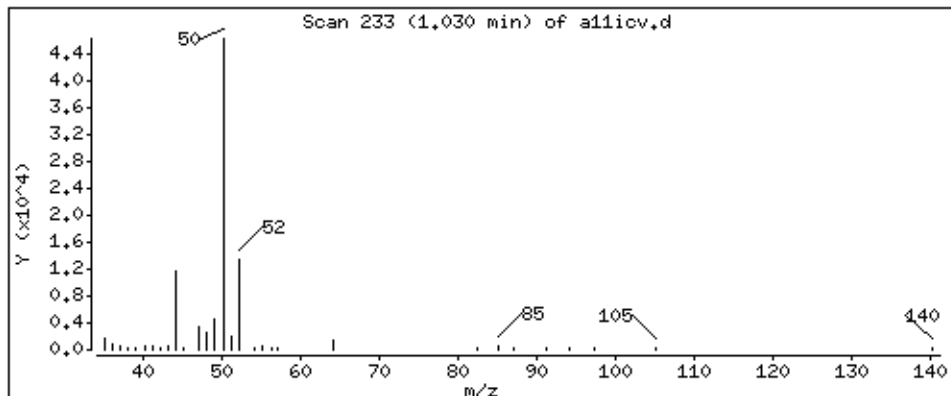
Operator: amv

Column phase: DB-624

Column diameter: 0,18

2 Chloromethane

Concentration: 45,5 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

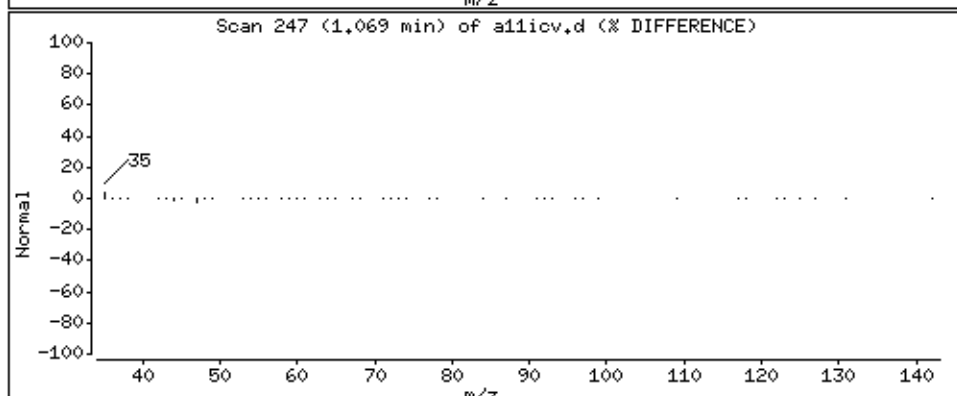
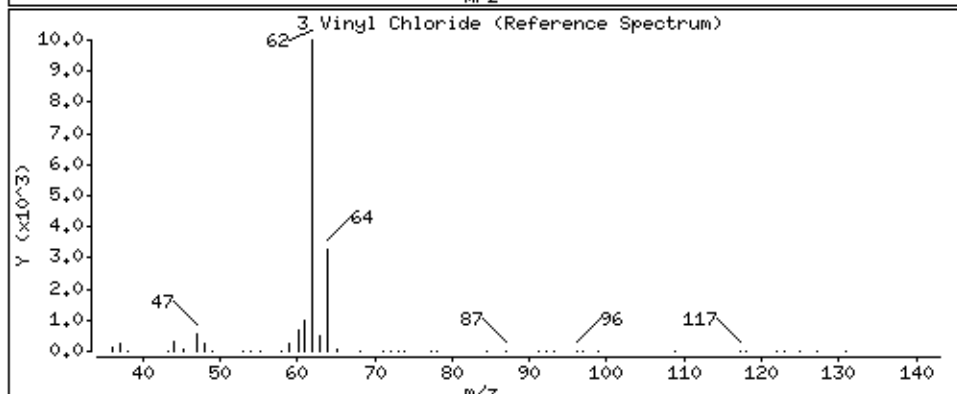
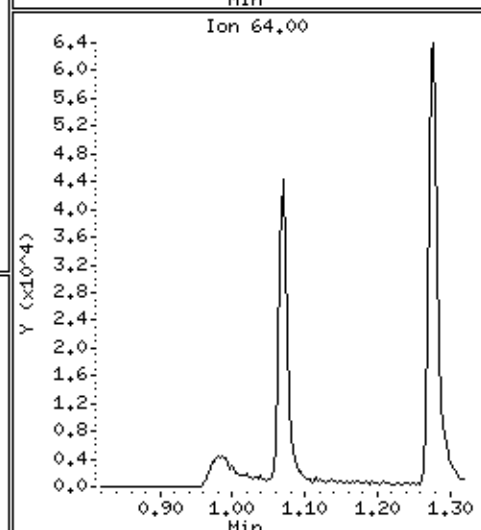
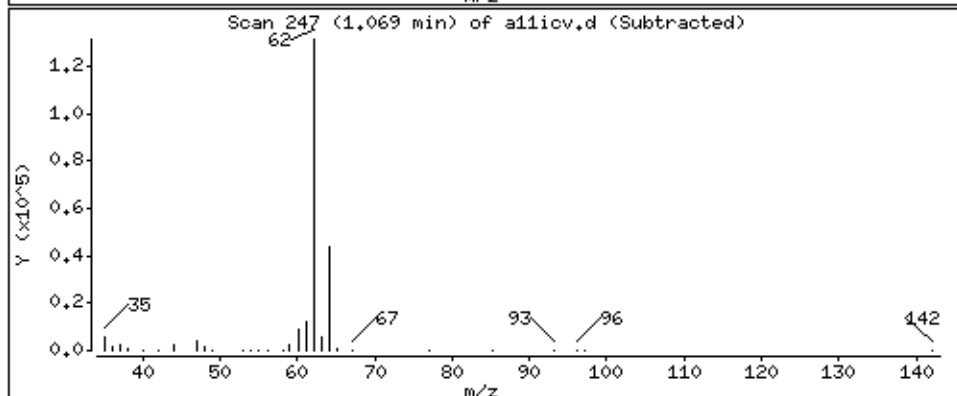
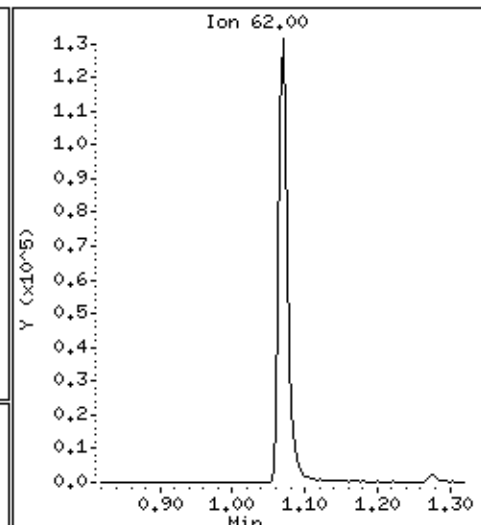
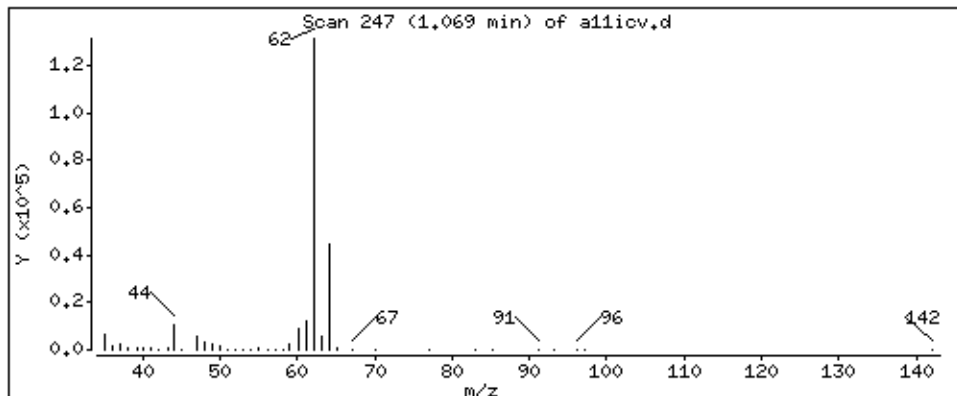
Operator: amv

Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 48,2 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

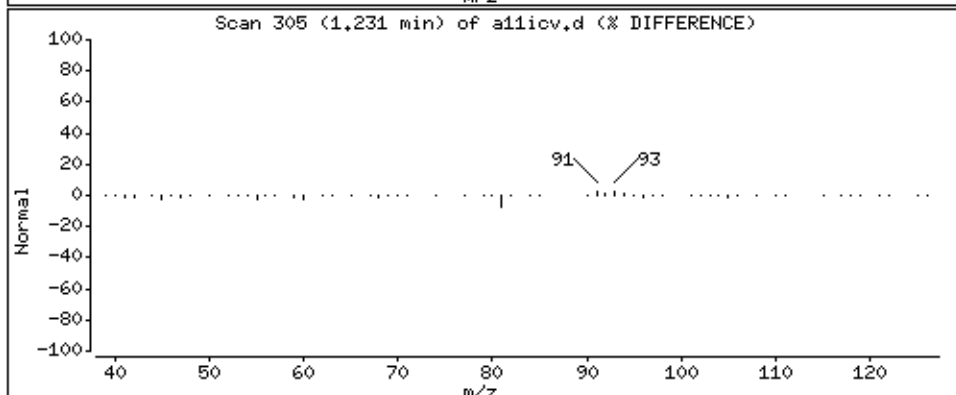
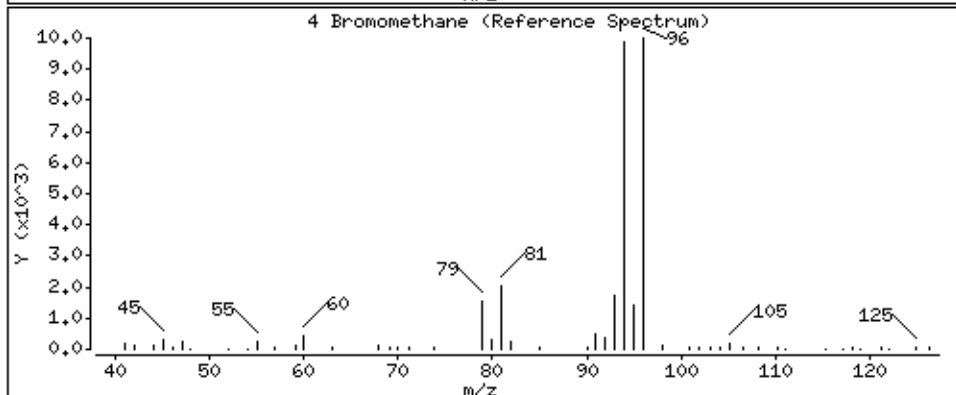
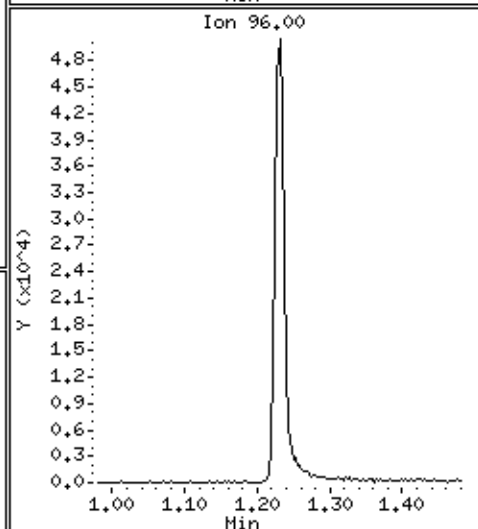
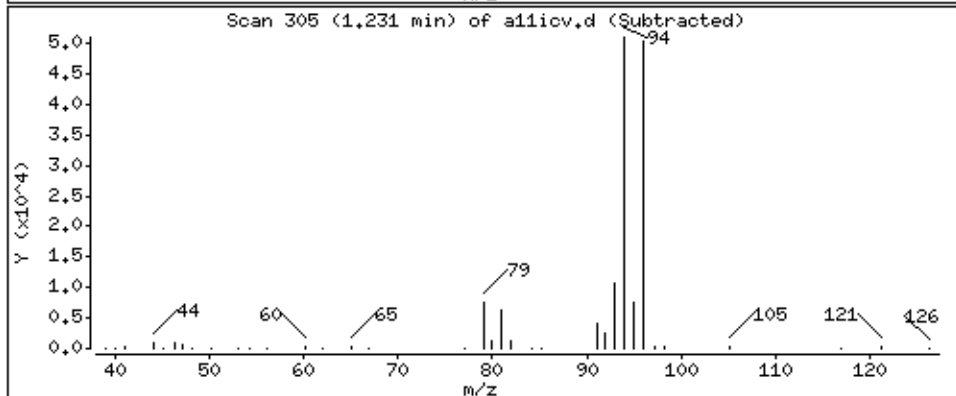
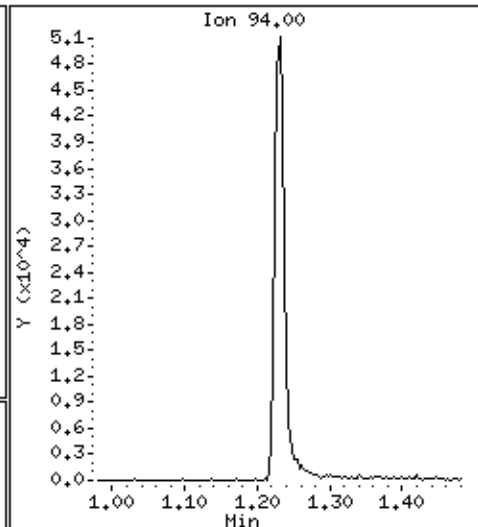
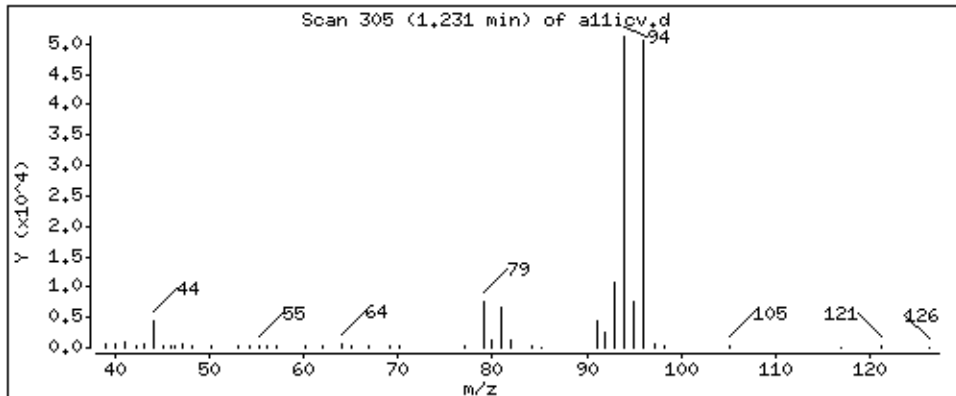
Operator: amv

Column phase: DB-624

Column diameter: 0,18

4 Bromomethane

Concentration: 69.0 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

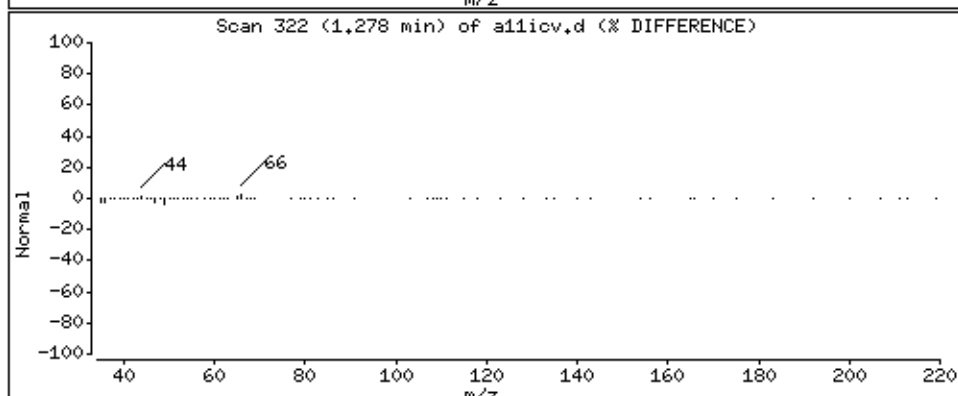
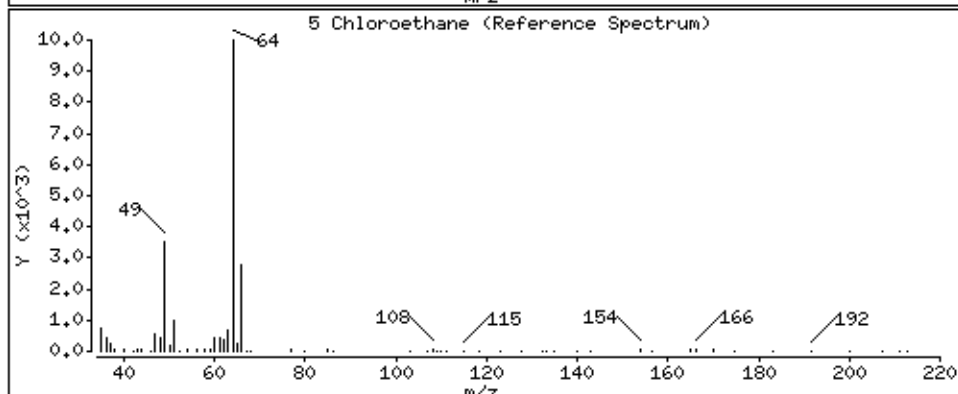
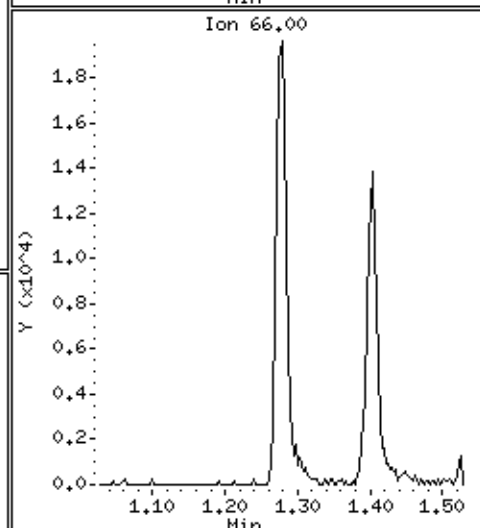
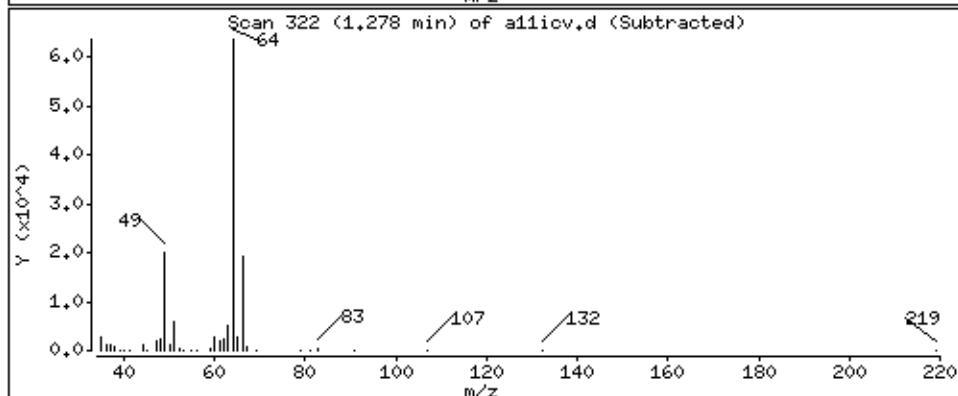
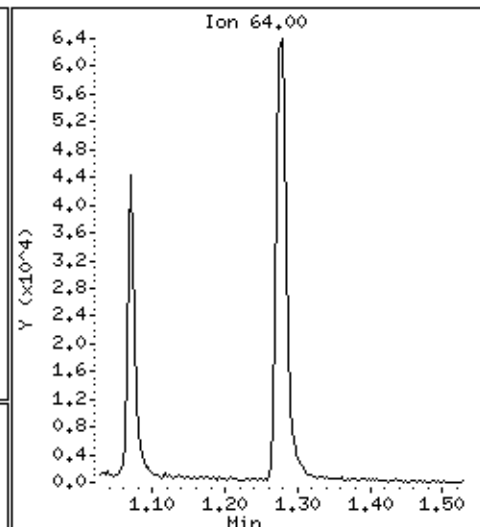
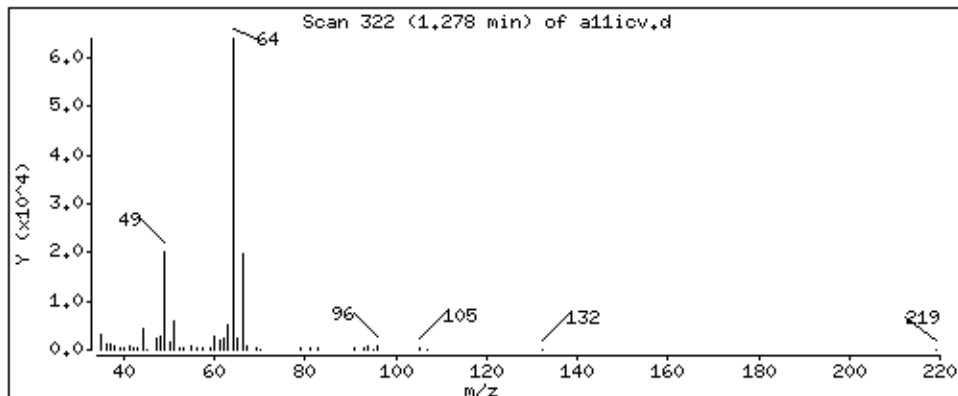
Operator: amv

Column phase: DB-624

Column diameter: 0,18

5 Chloroethane

Concentration: 54,7 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

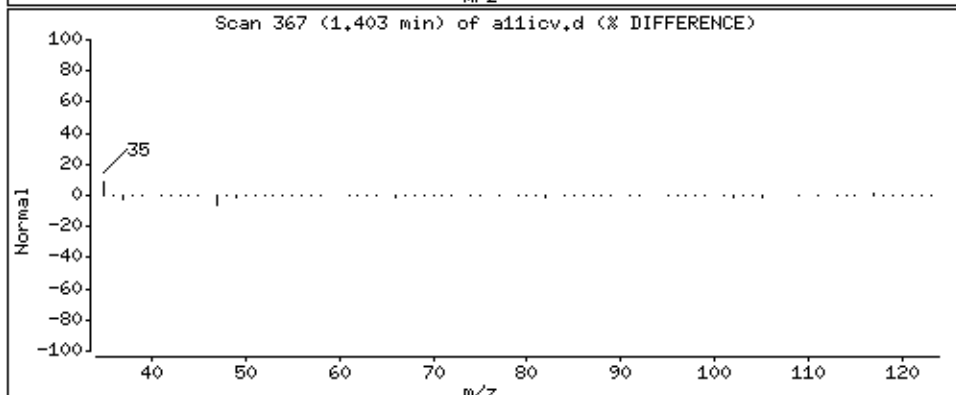
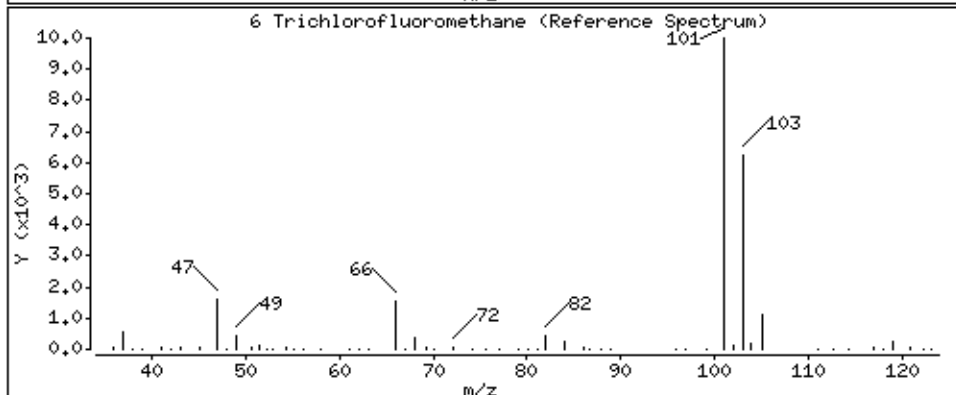
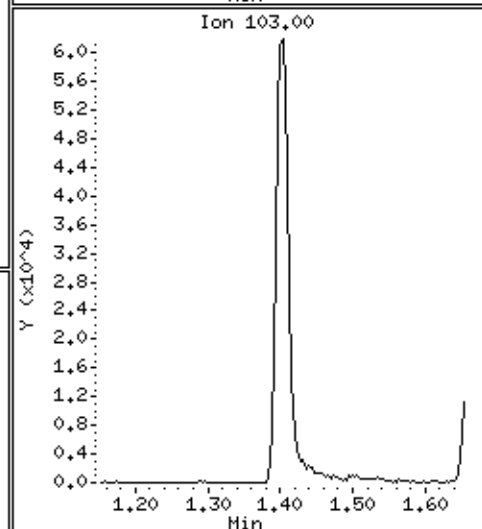
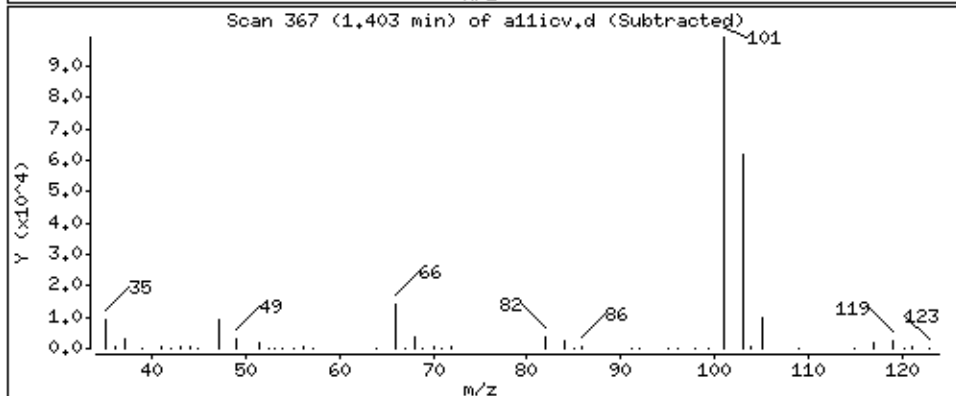
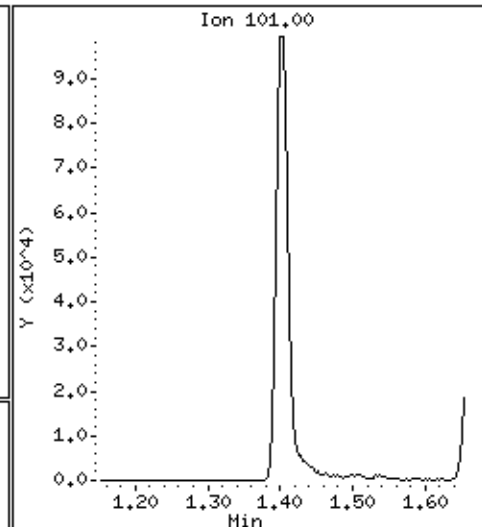
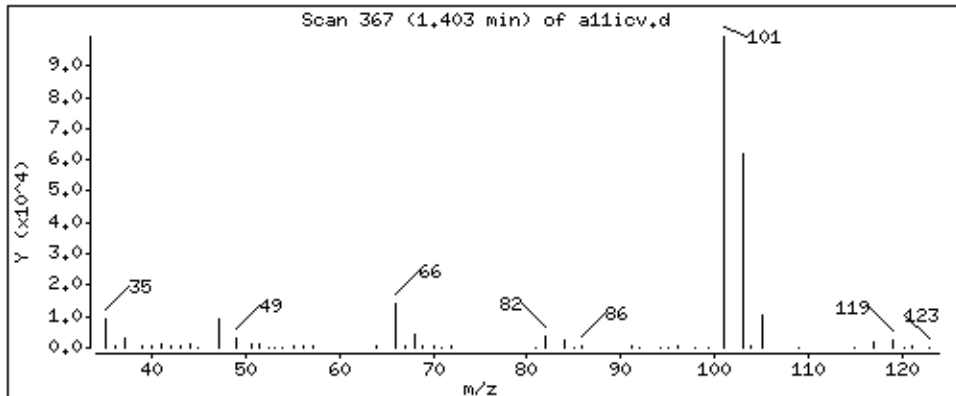
Operator: amv

Column phase: DB-624

Column diameter: 0,18

6 Trichlorofluoromethane

Concentration: 43,8 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

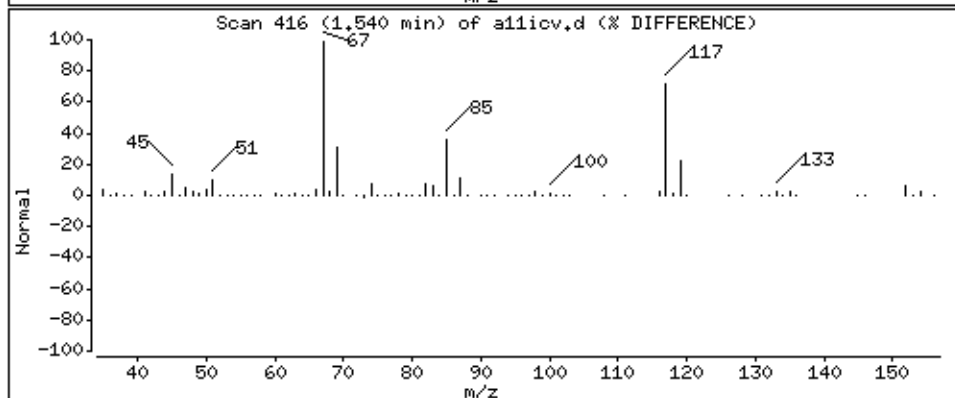
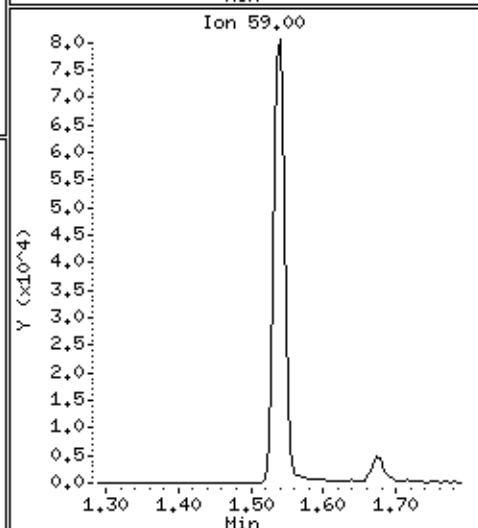
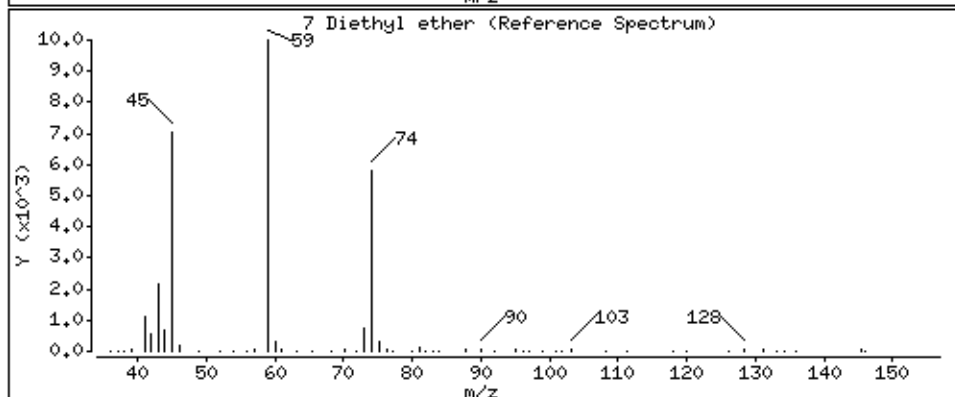
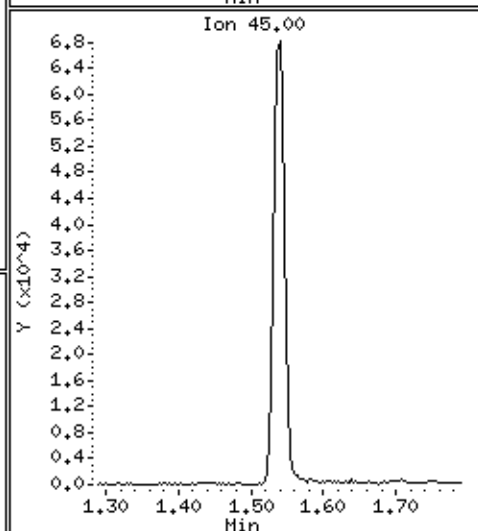
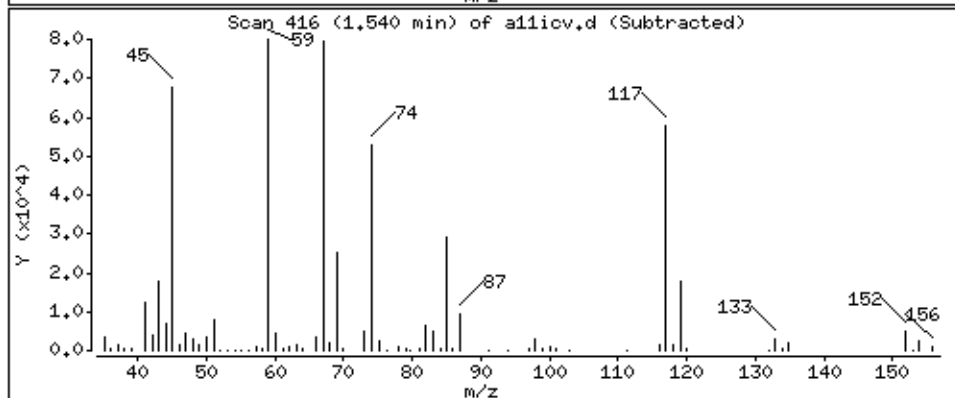
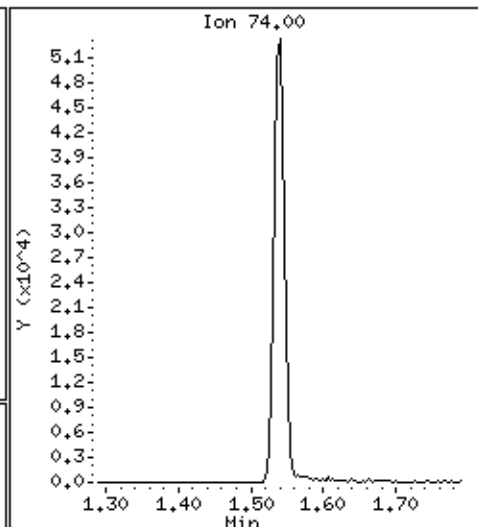
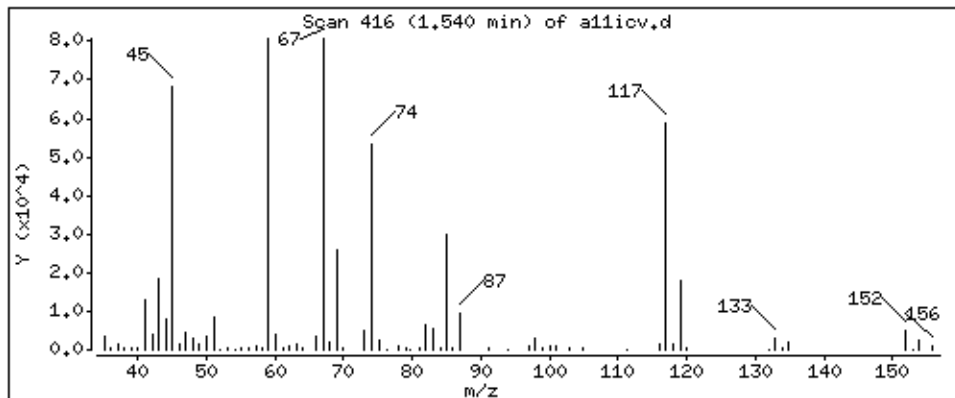
Operator: amv

Column phase: DB-624

Column diameter: 0,18

7 Diethyl ether

Concentration: 45,8 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

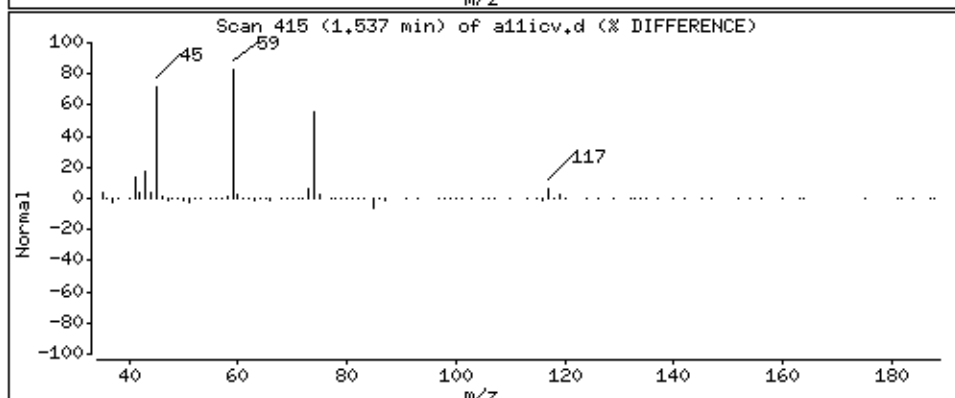
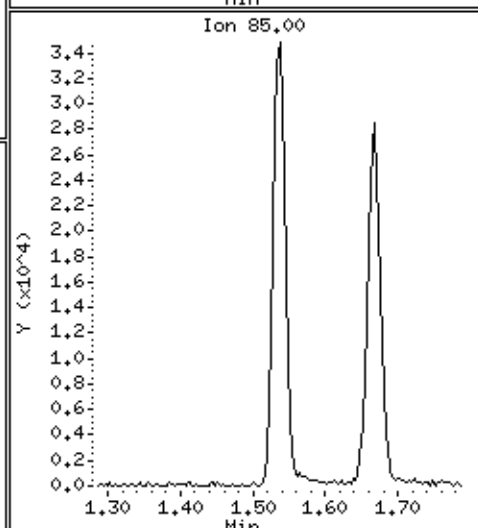
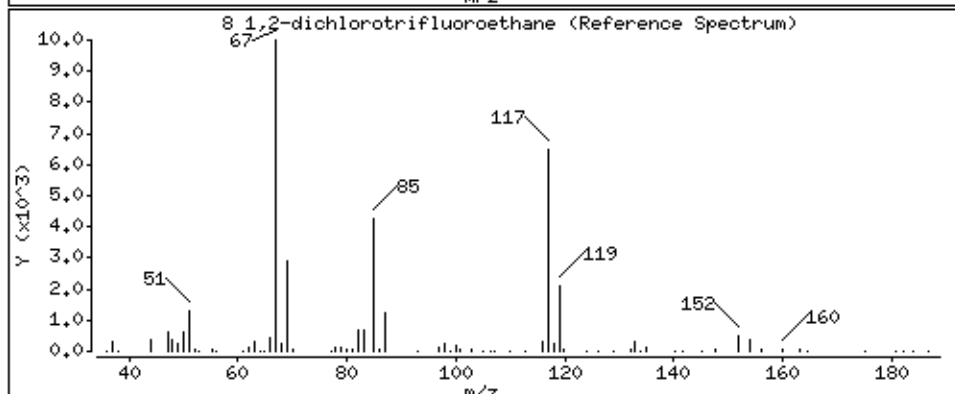
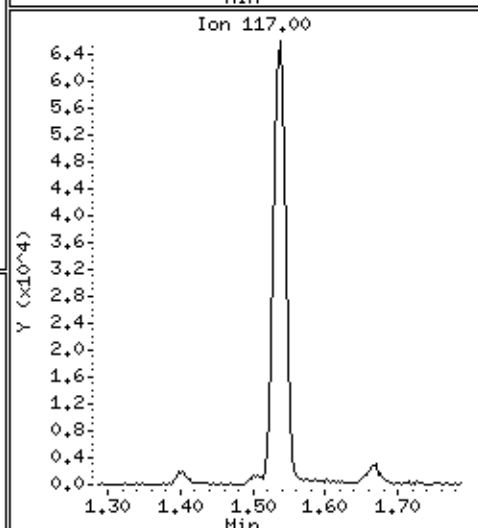
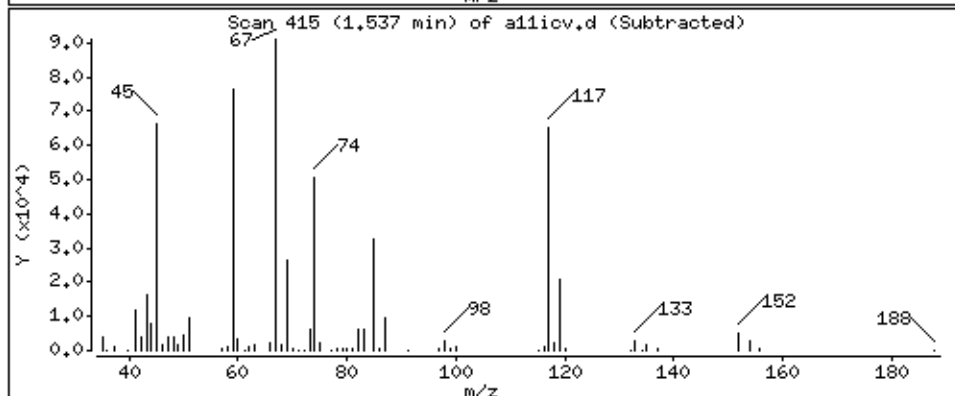
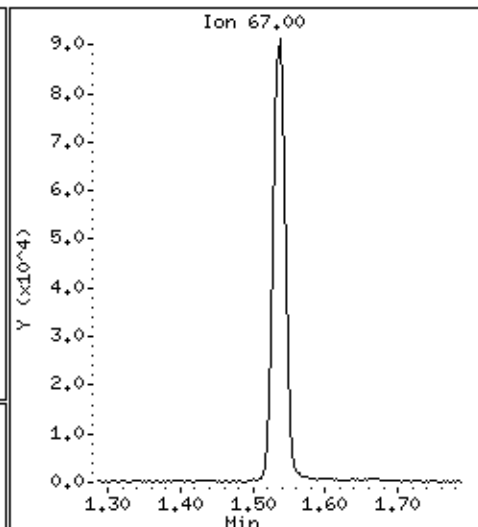
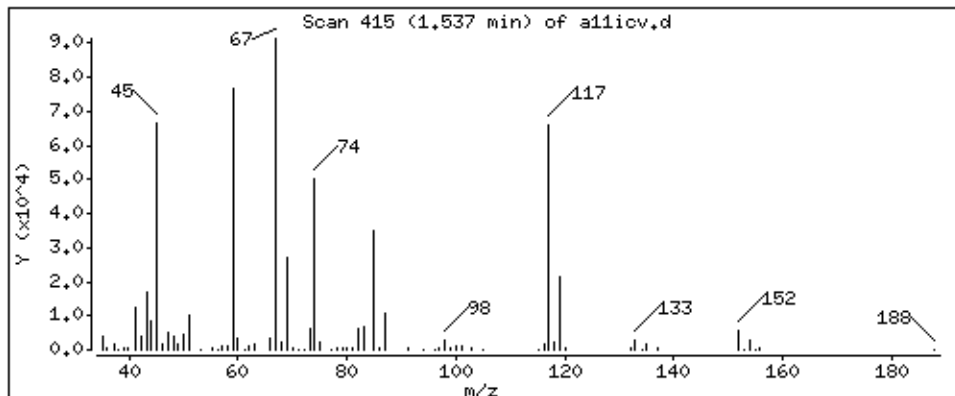
Operator: amv

Column phase: DB-624

Column diameter: 0,18

8 1,2-dichlorotrifluoroethane

Concentration: 57,7 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

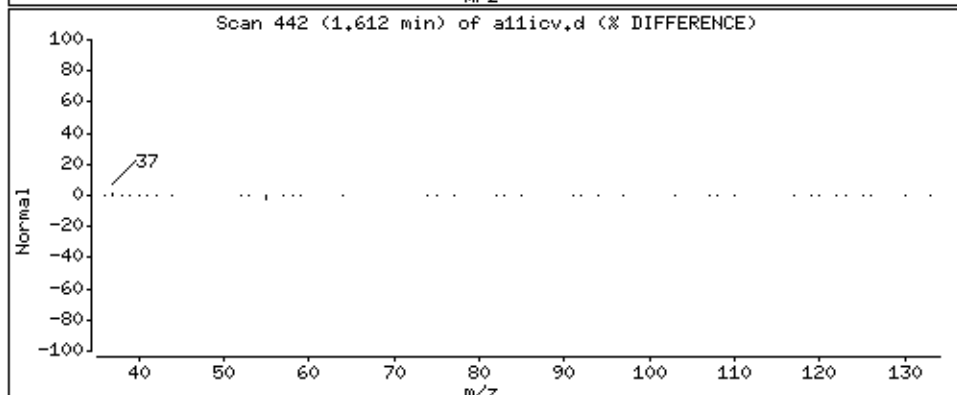
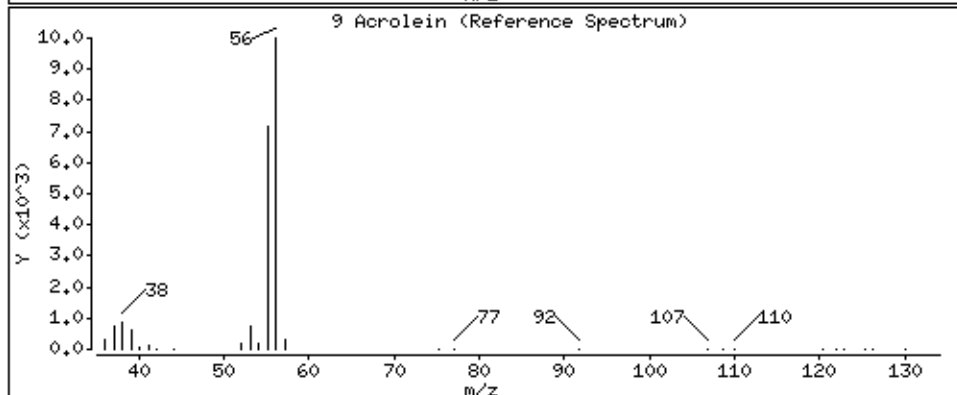
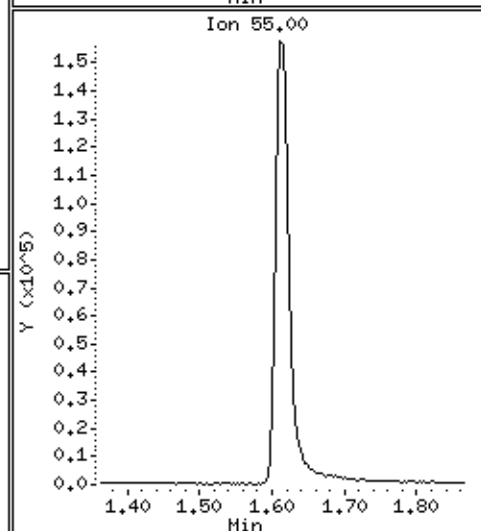
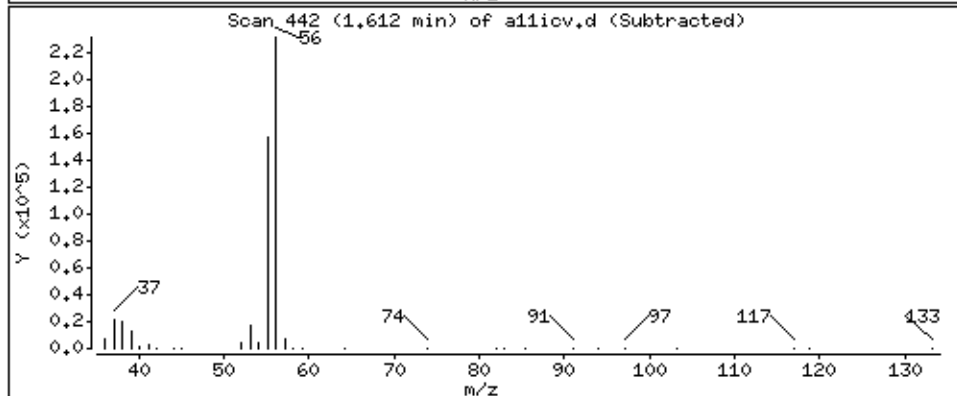
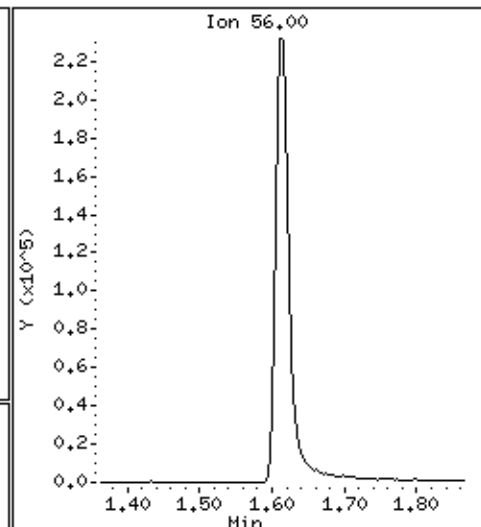
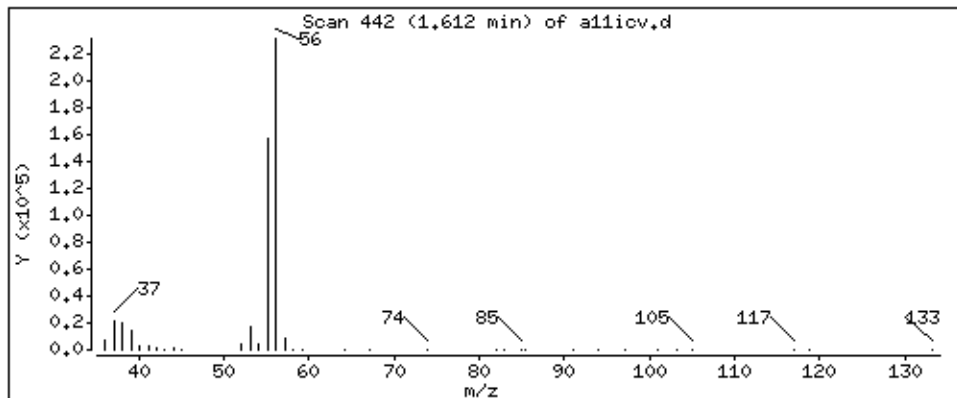
Operator: amv

Column phase: DB-624

Column diameter: 0,18

9 Acrolein

Concentration: 721 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

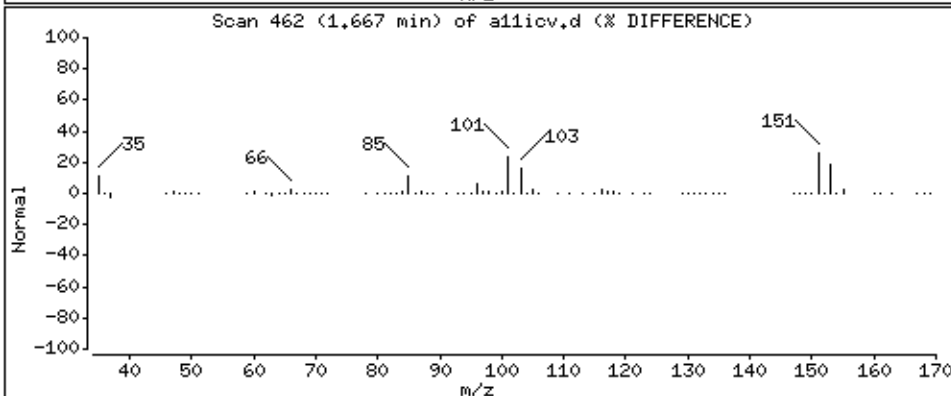
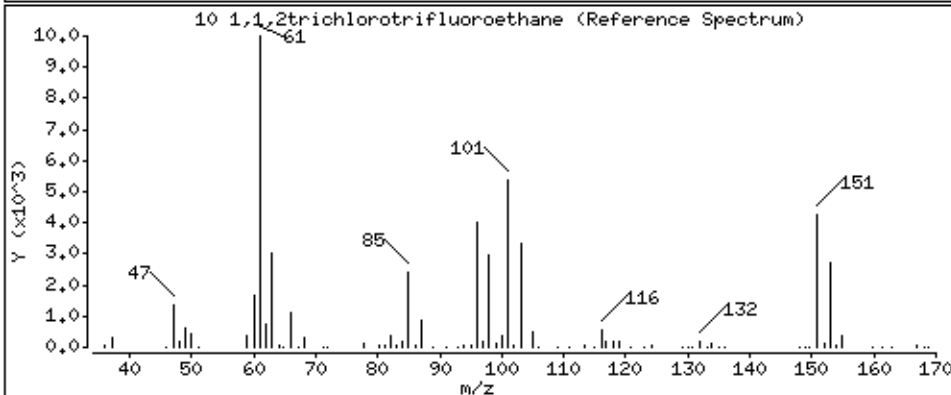
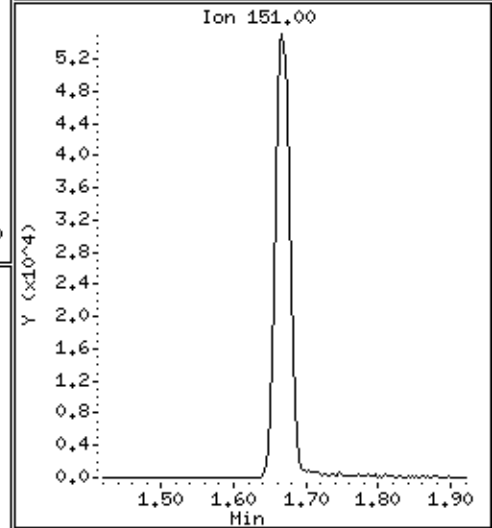
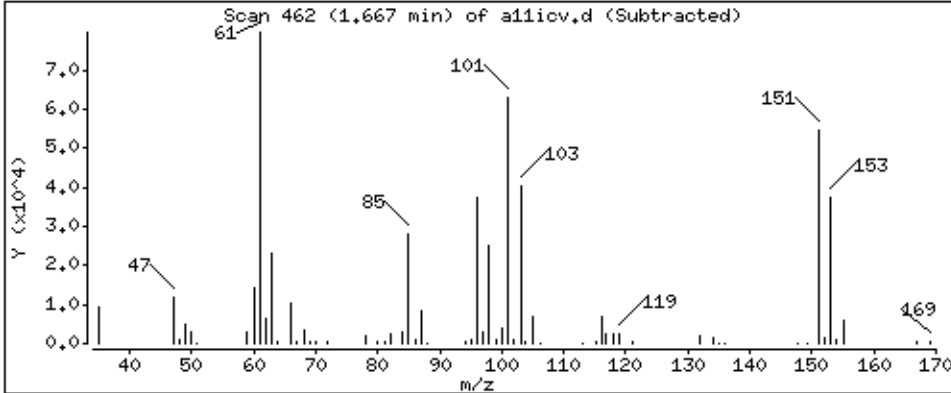
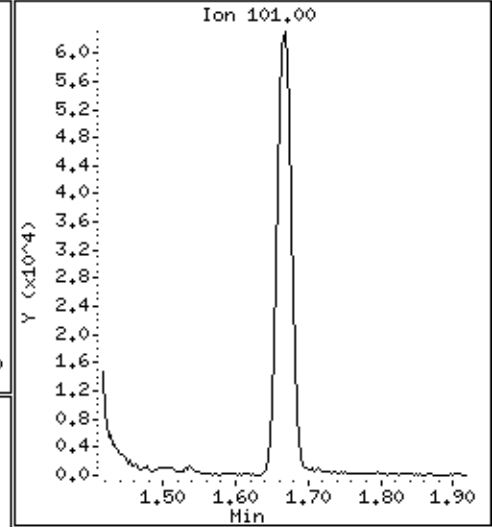
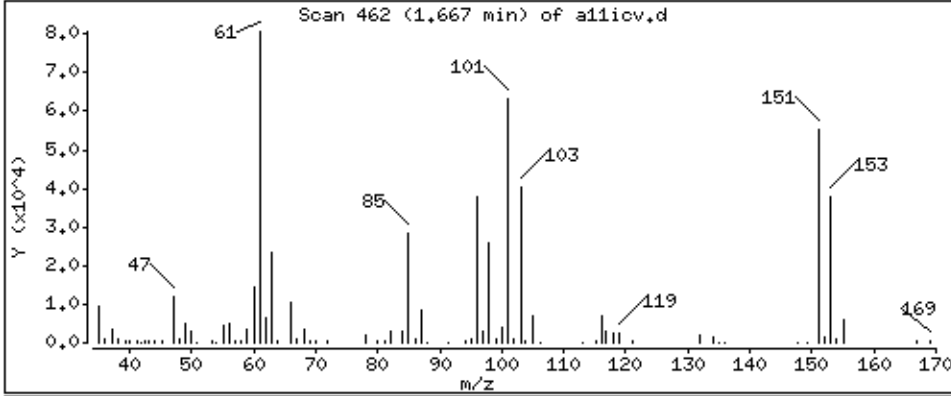
Operator: amv

Column phase: DB-624

Column diameter: 0,18

10 1,1,2trichlorotrifluoroethane

Concentration: 49,8 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

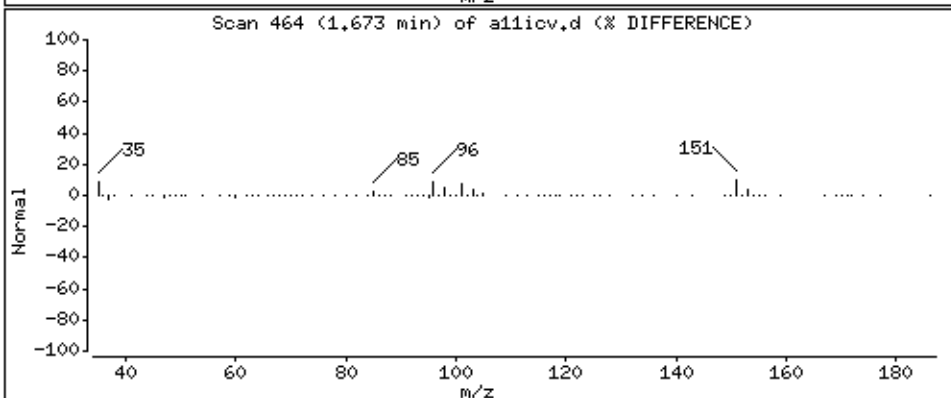
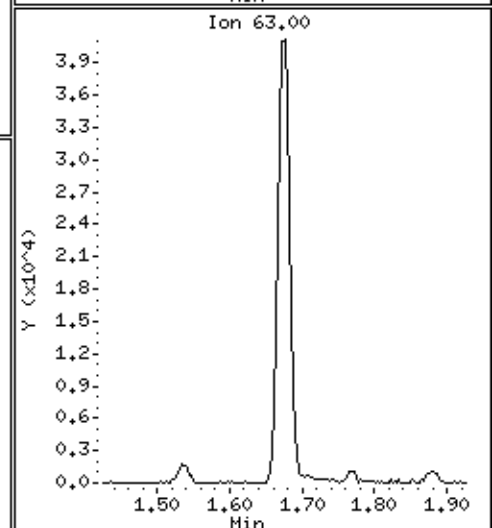
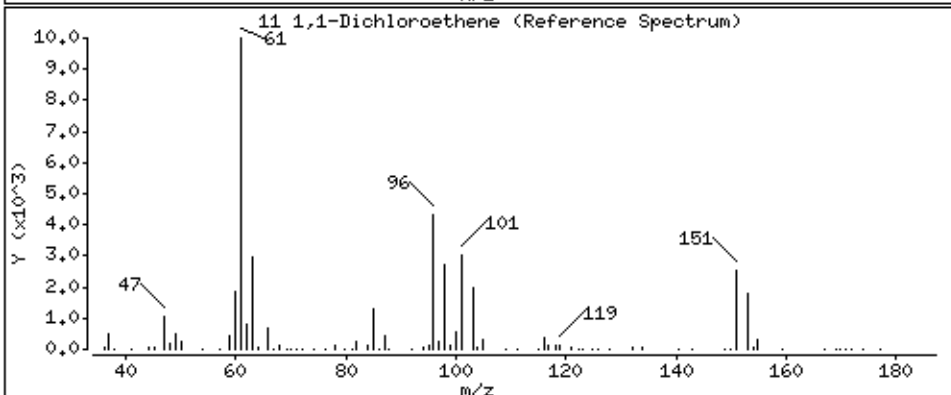
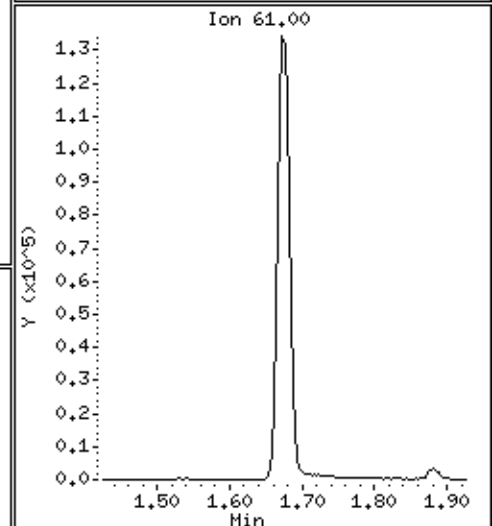
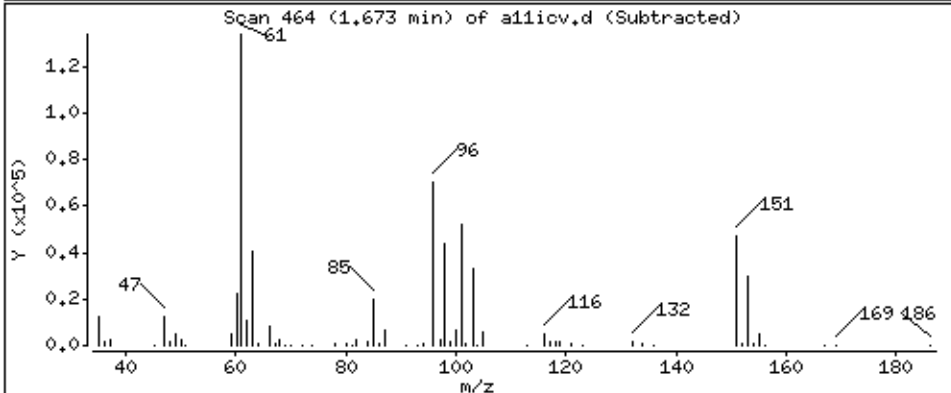
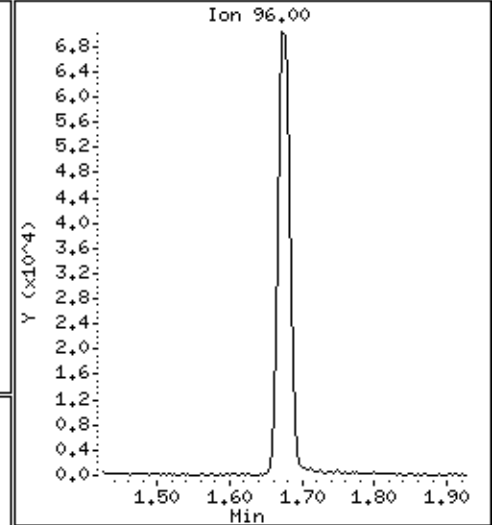
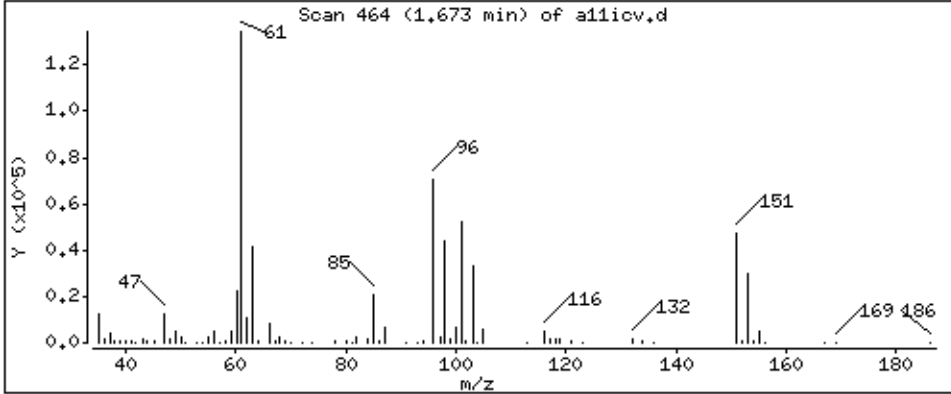
Operator: amv

Column phase: DB-624

Column diameter: 0.18

11 1,1-Dichloroethene

Concentration: 46.0 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

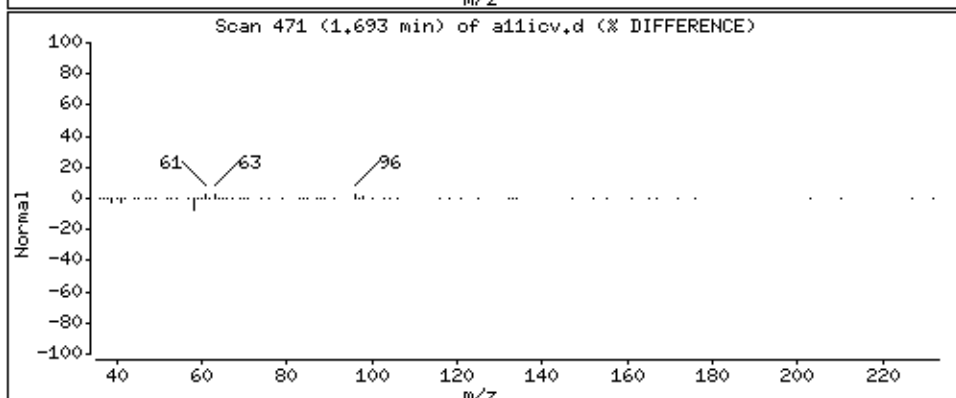
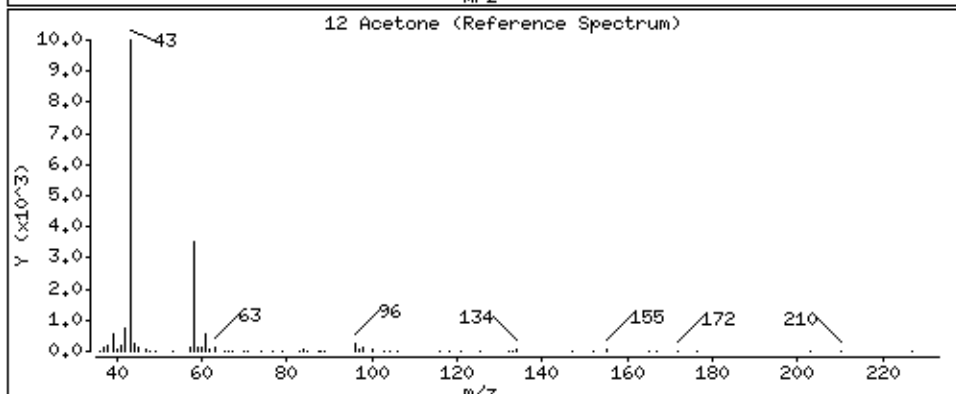
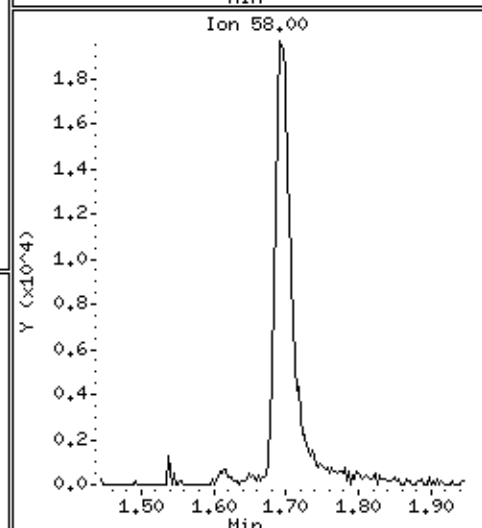
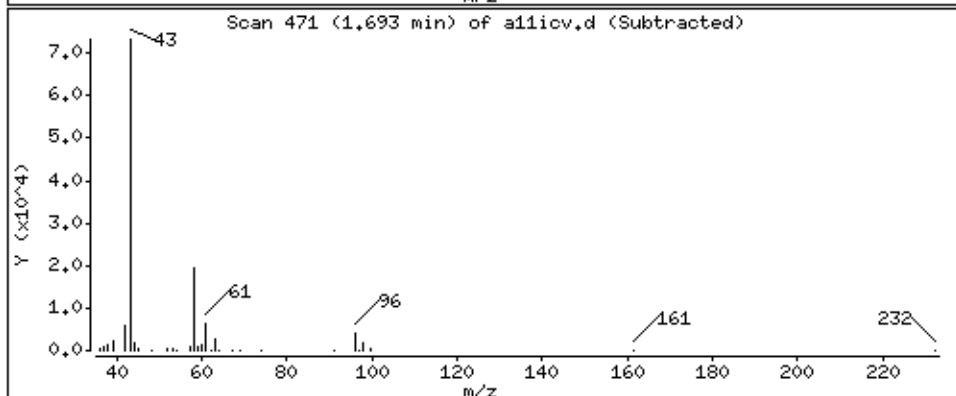
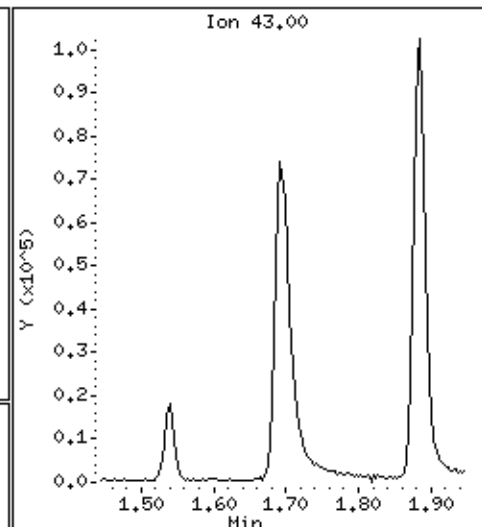
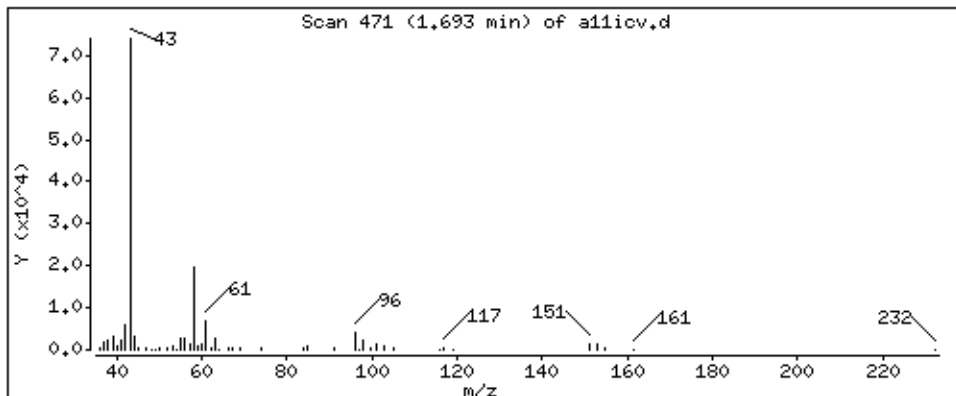
Operator: amv

Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 240 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

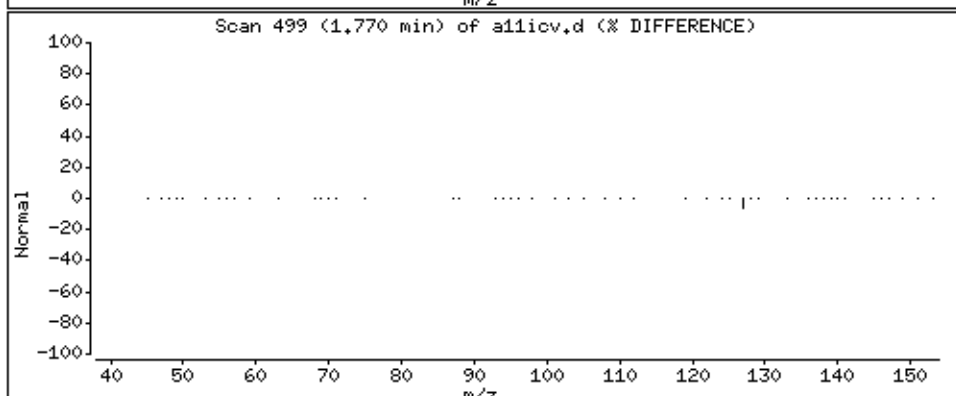
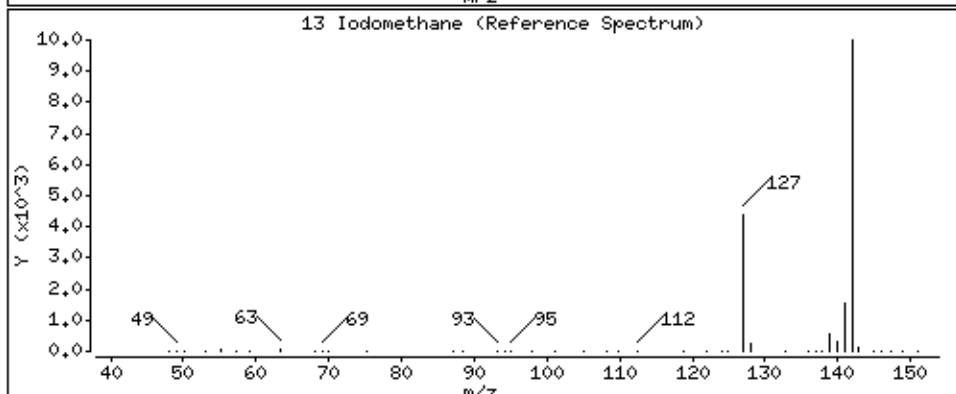
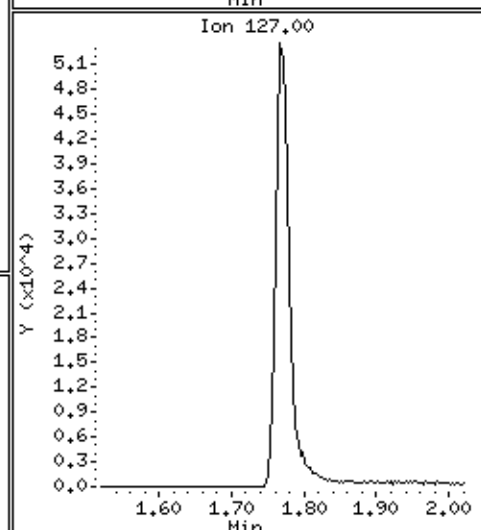
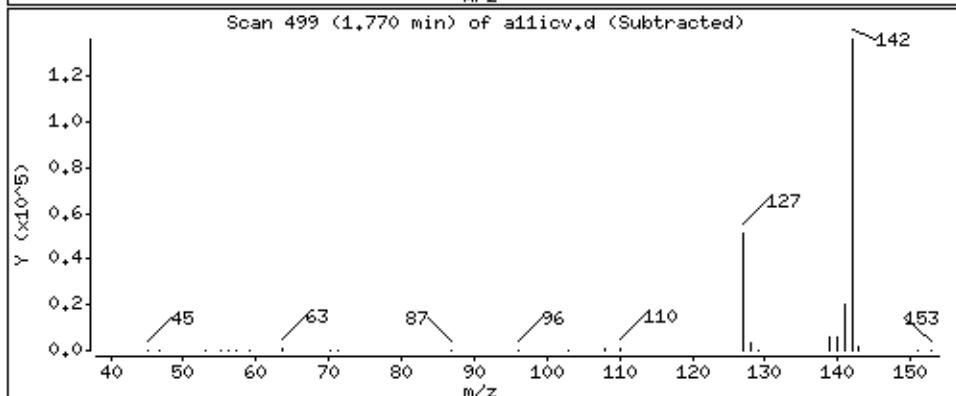
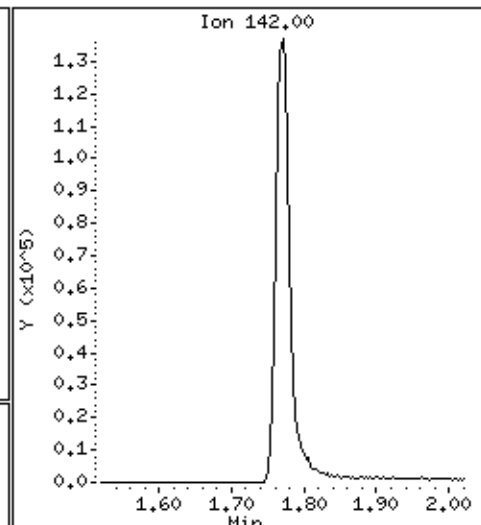
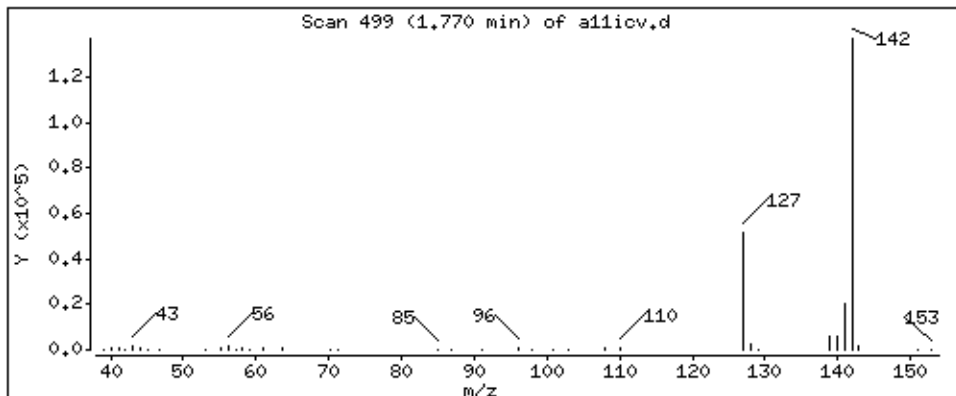
Operator: amv

Column phase: DB-624

Column diameter: 0,18

13 Iodomethane

Concentration: 95,7 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

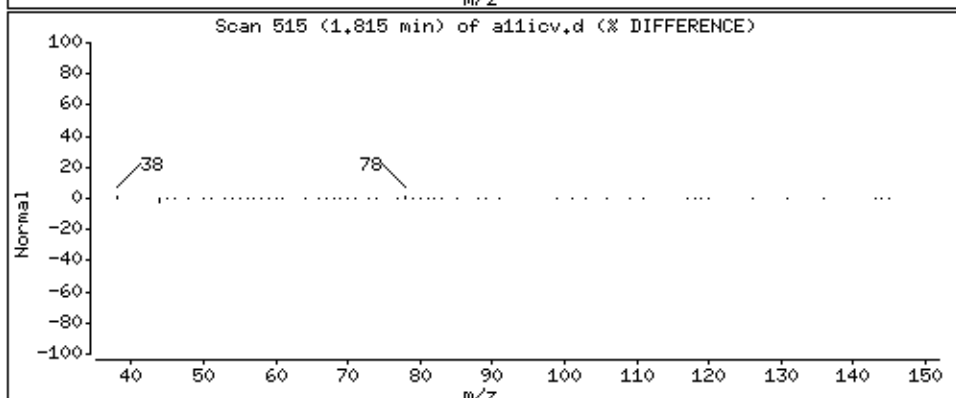
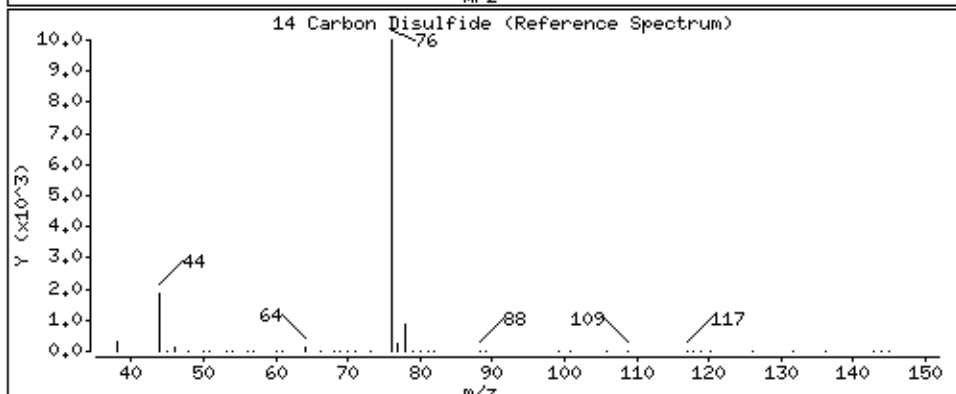
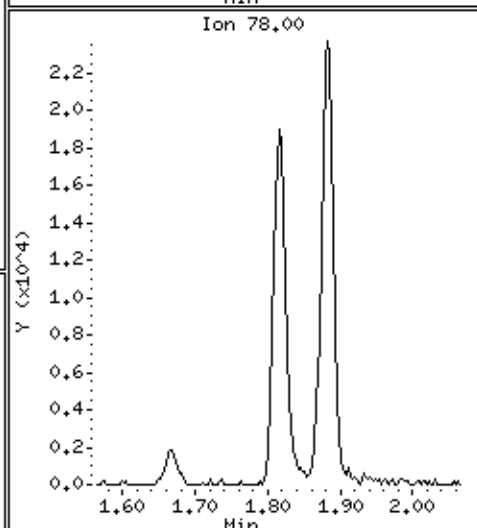
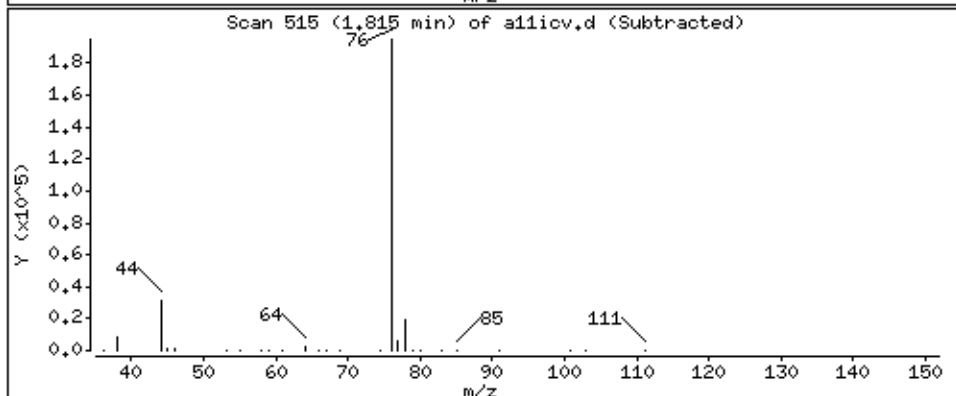
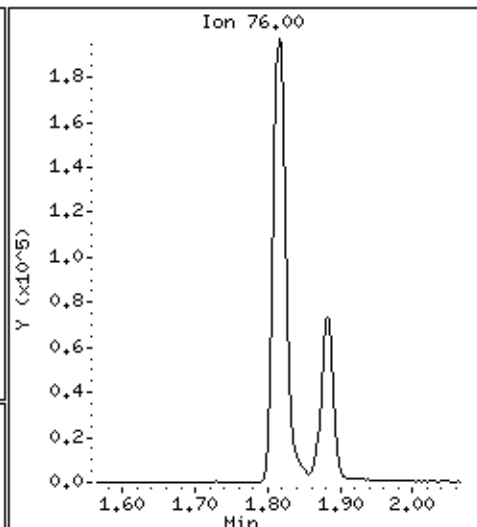
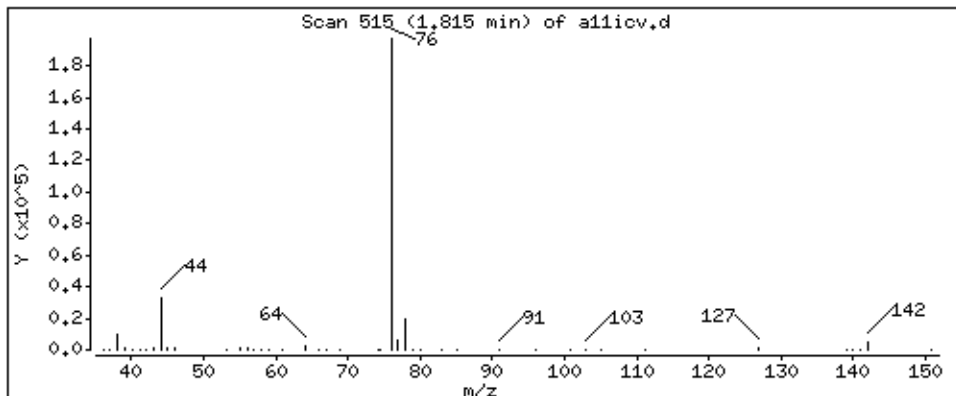
Operator: amv

Column phase: DB-624

Column diameter: 0,18

14 Carbon Disulfide

Concentration: 47.4 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

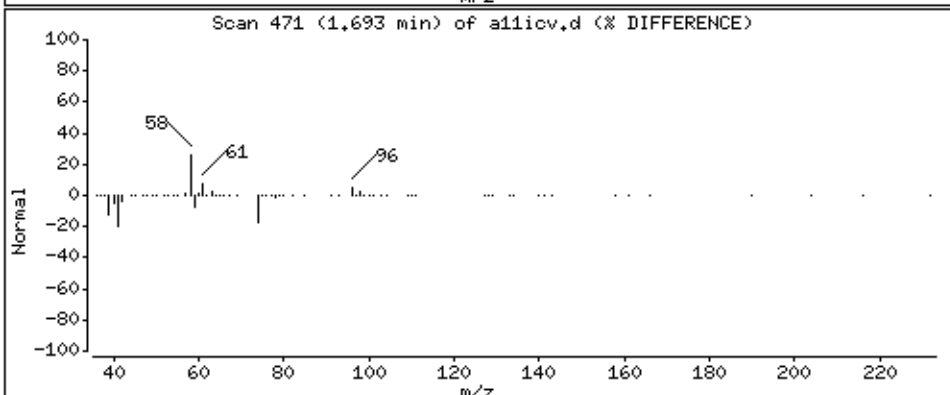
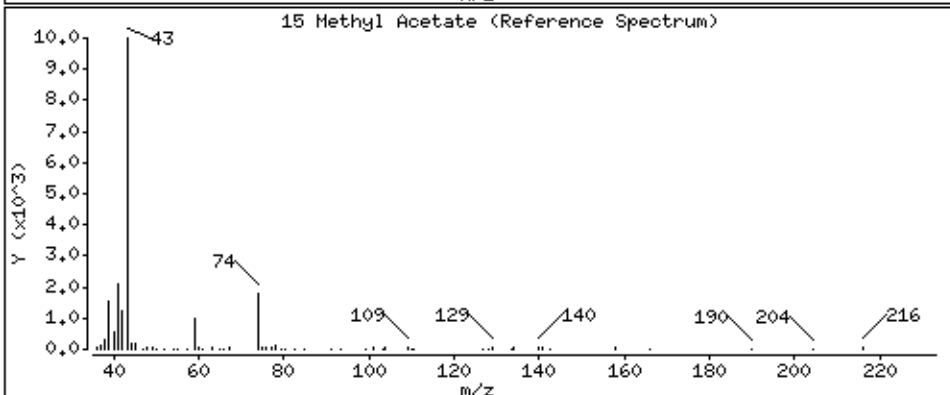
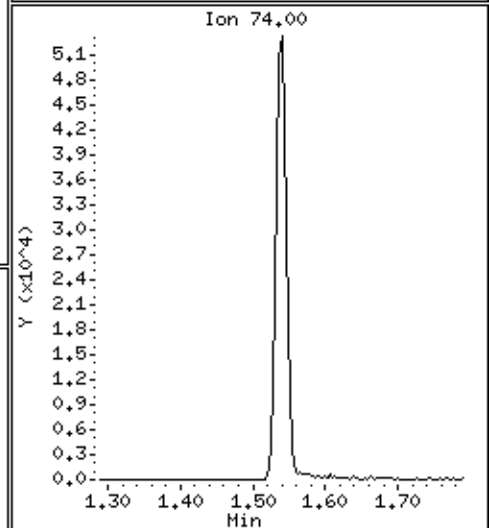
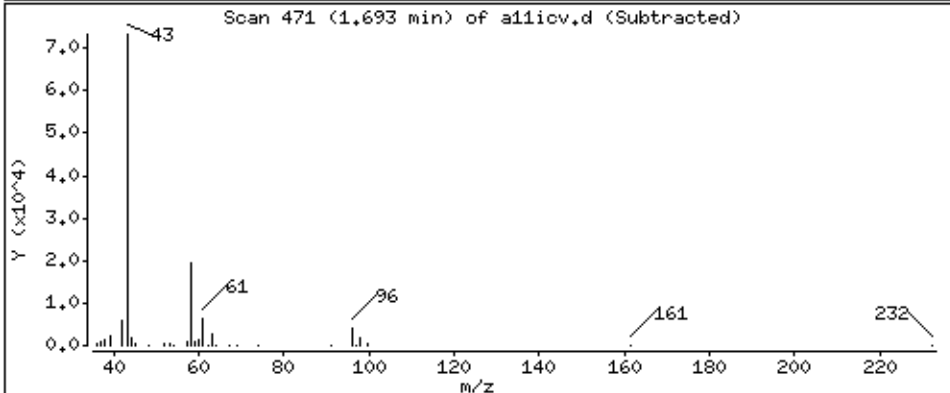
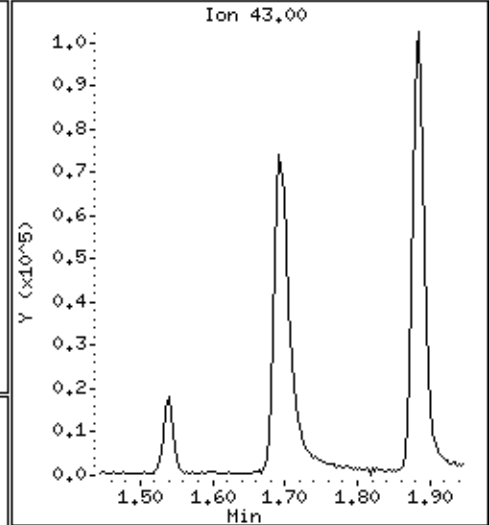
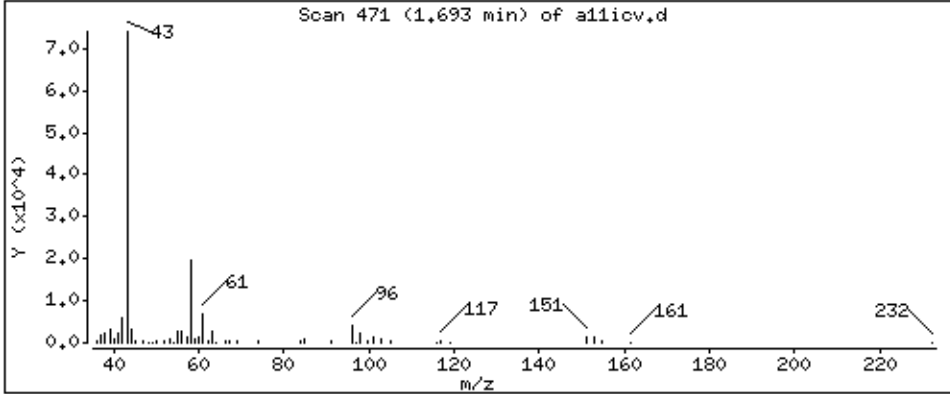
Operator: amv

Column phase: DB-624

Column diameter: 0,18

15 Methyl Acetate

Concentration: 47.6 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

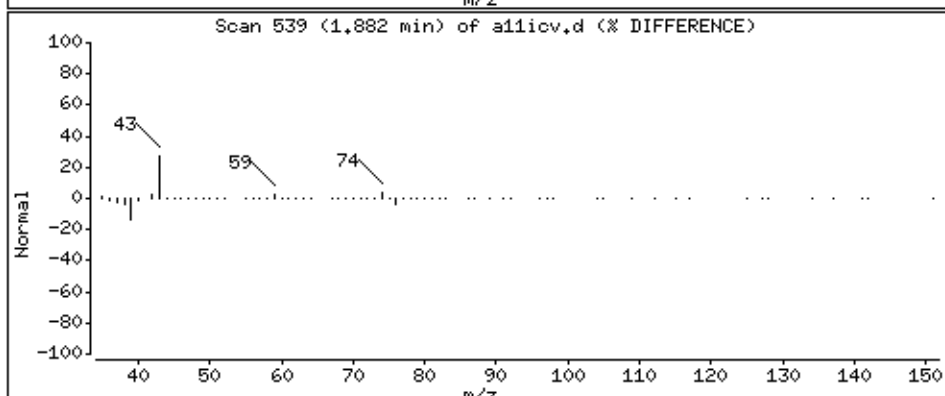
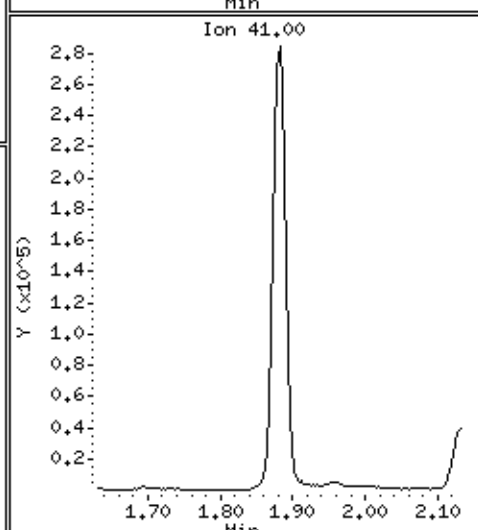
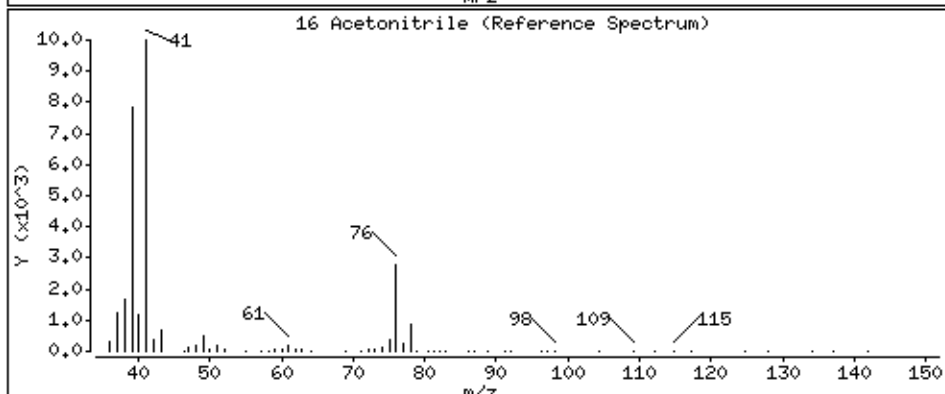
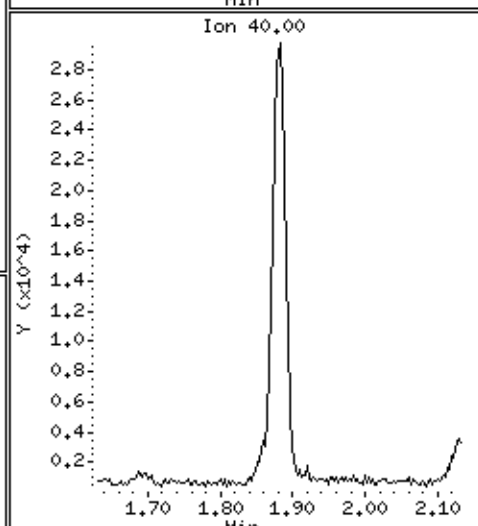
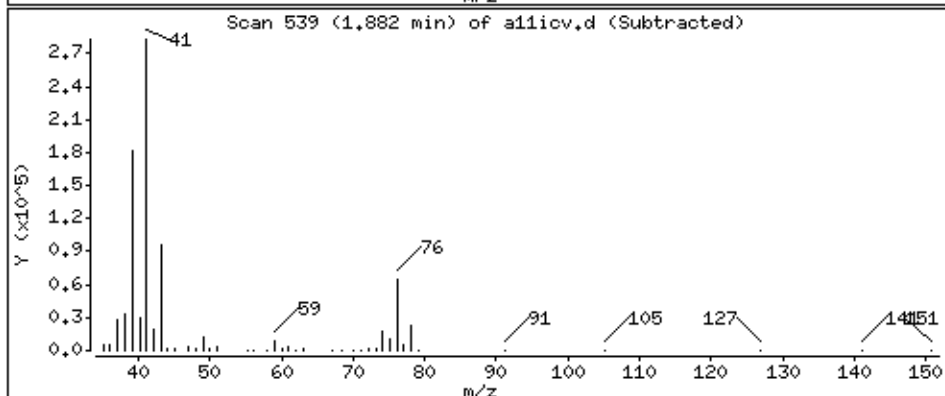
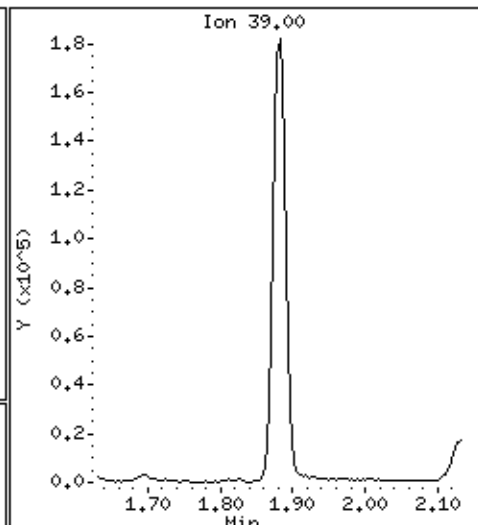
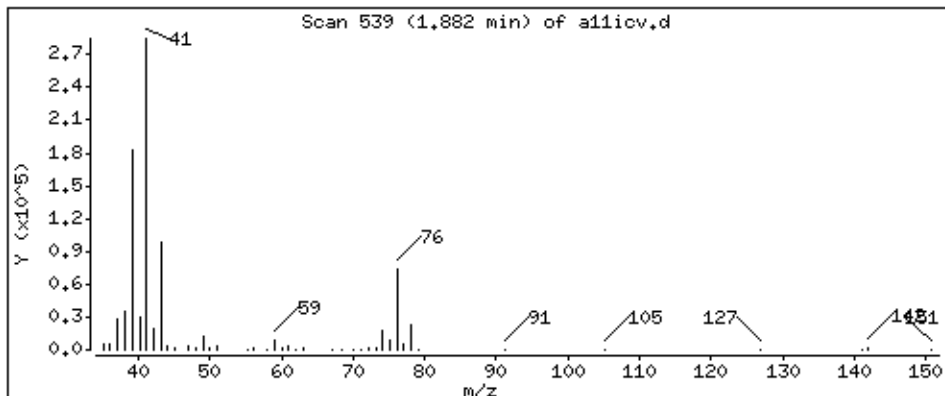
Operator: amv

Column phase: DB-624

Column diameter: 0,18

16 Acetonitrile

Concentration: 39,5 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

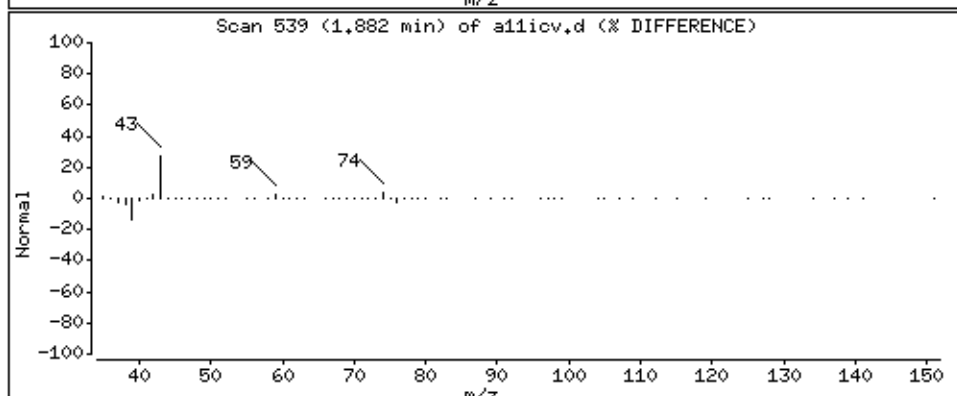
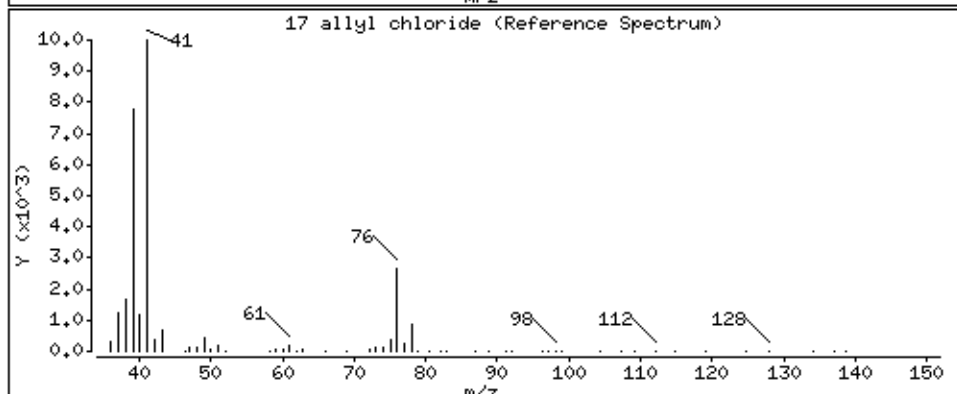
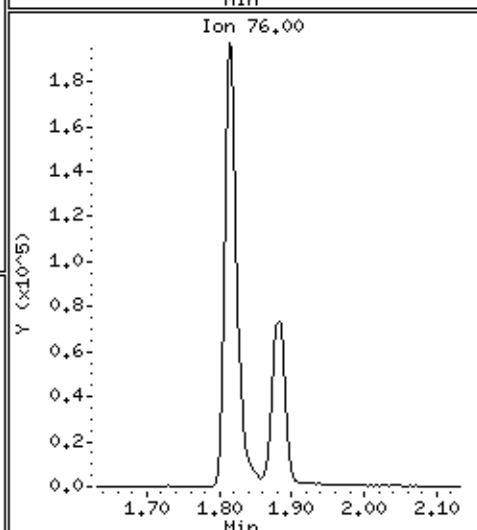
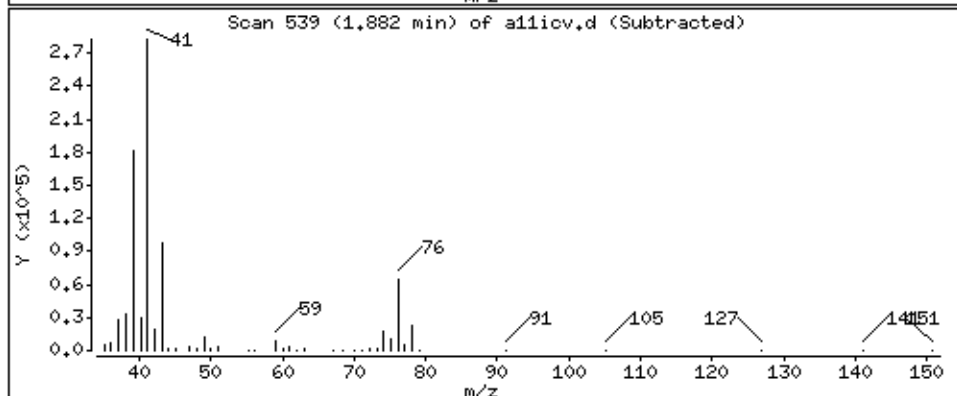
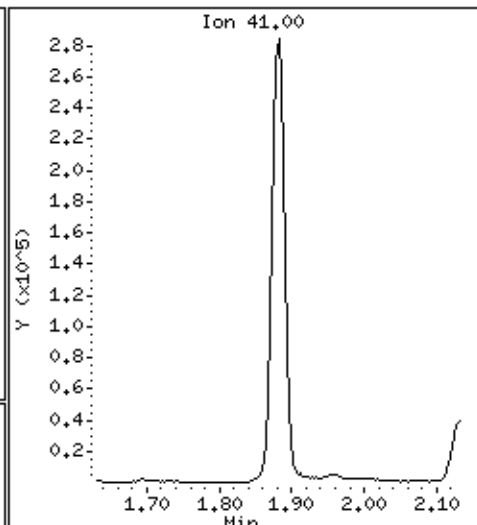
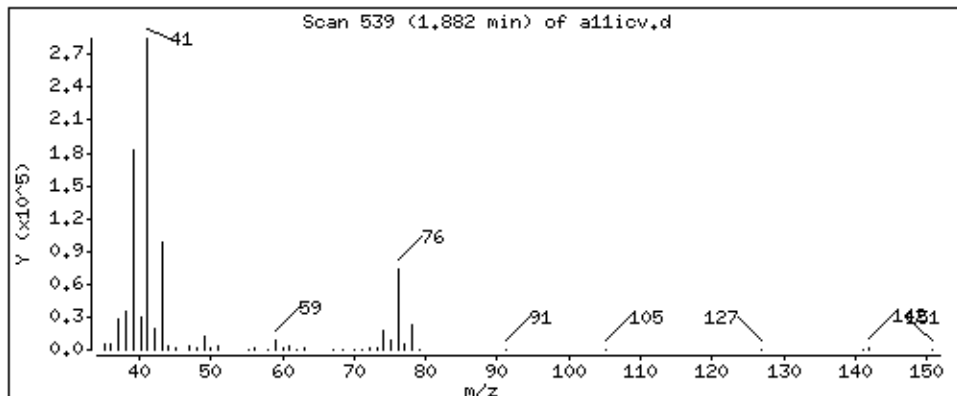
Operator: amv

Column phase: DB-624

Column diameter: 0,18

17 allyl chloride

Concentration: 92.8 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

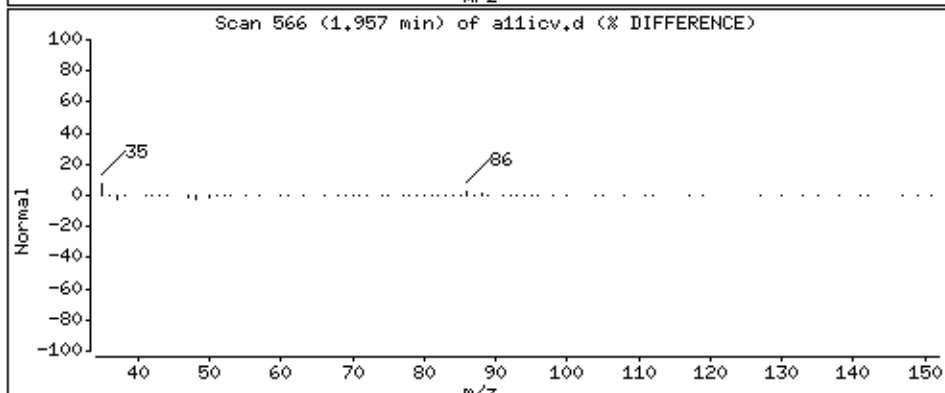
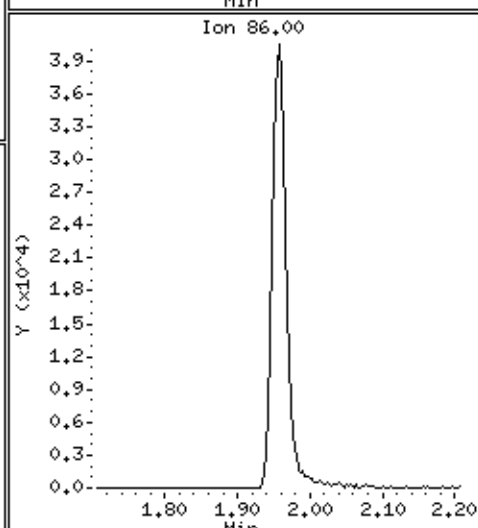
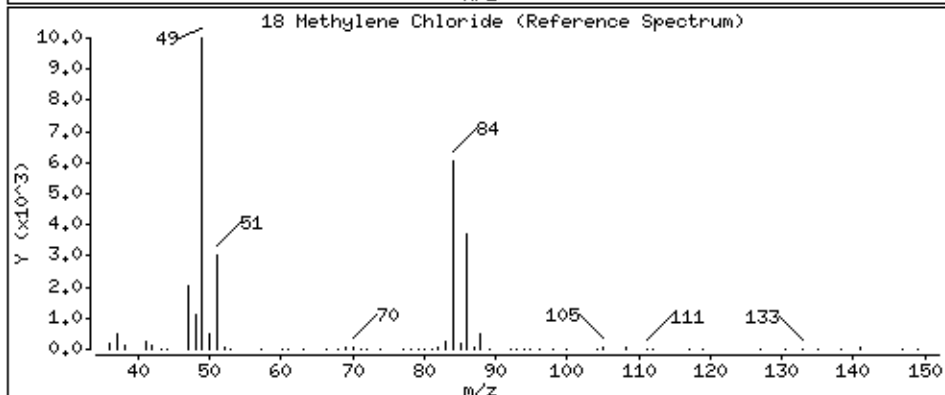
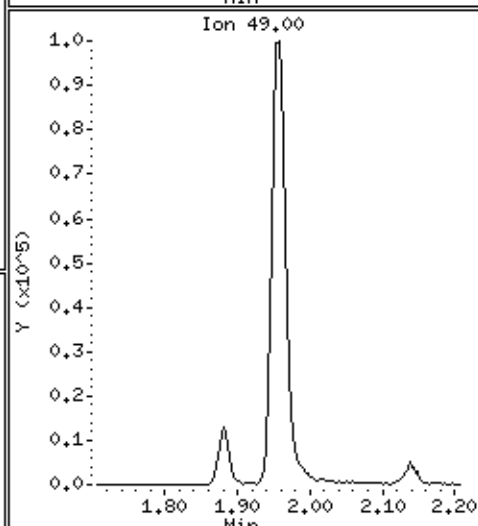
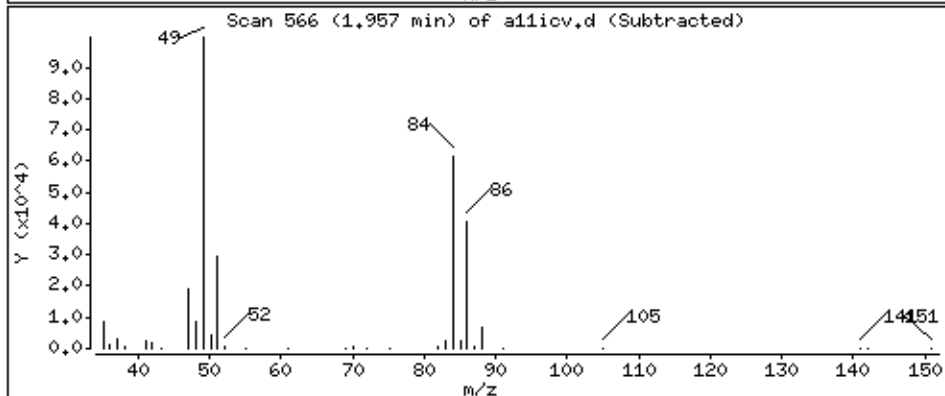
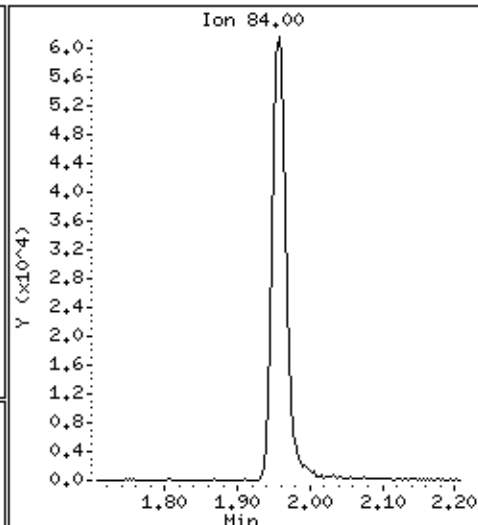
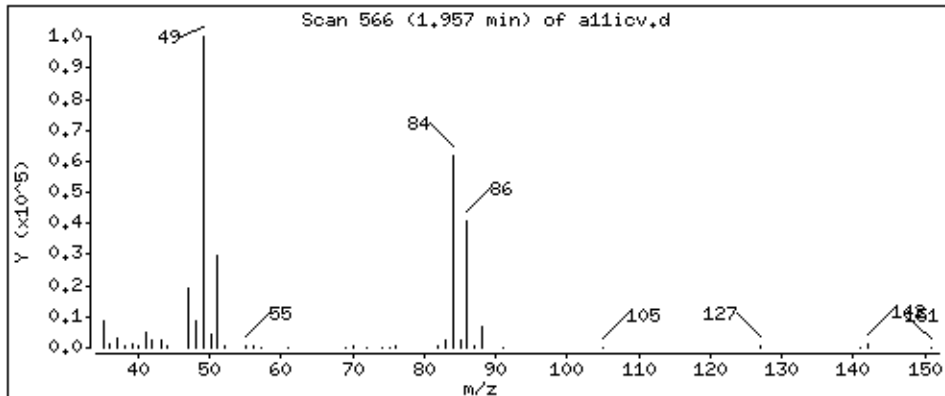
Operator: amv

Column phase: DB-624

Column diameter: 0,18

18 Methylene Chloride

Concentration: 49.3 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

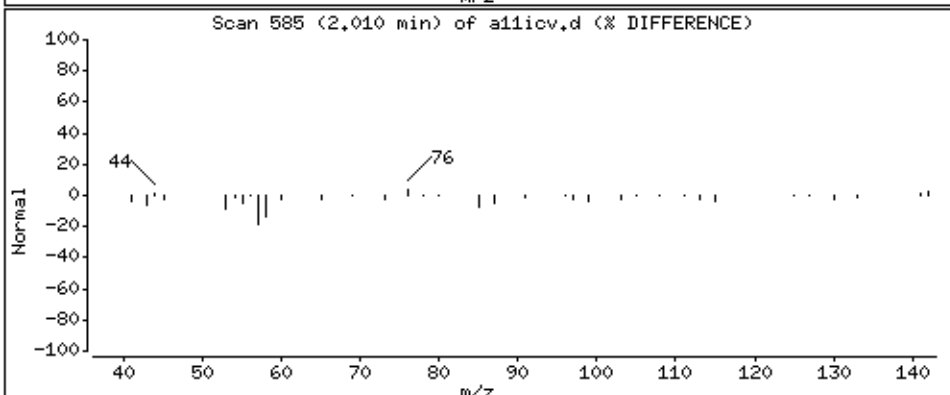
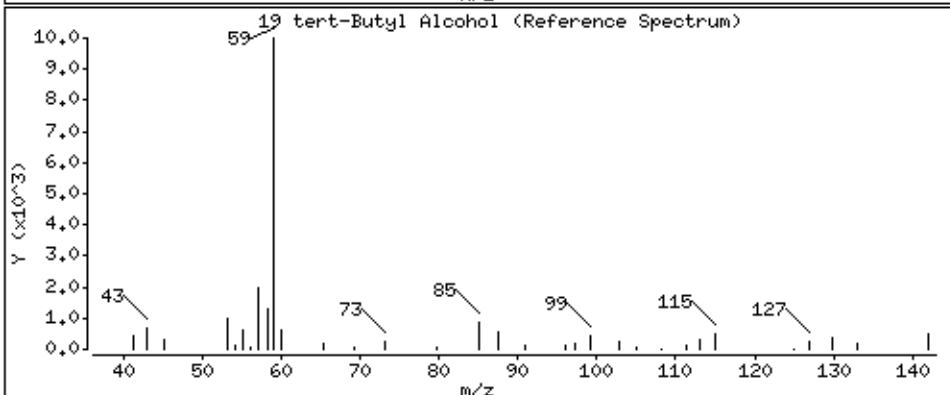
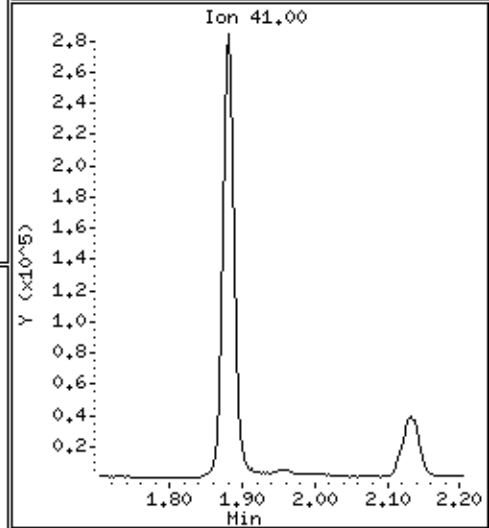
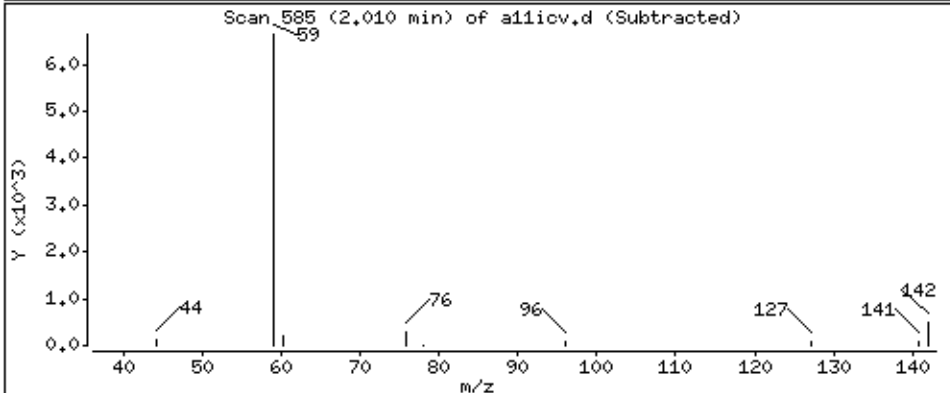
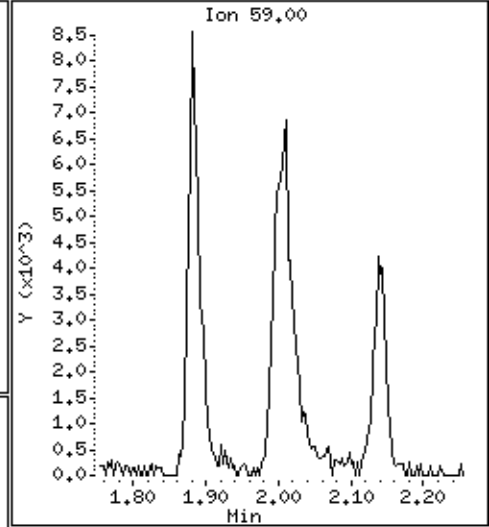
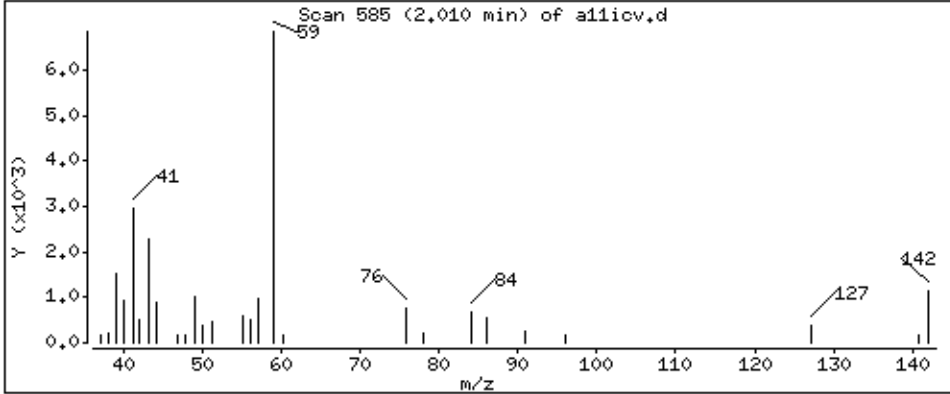
Operator: amv

Column phase: DB-624

Column diameter: 0,18

19 tert-Butyl Alcohol

Concentration: 86,8 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

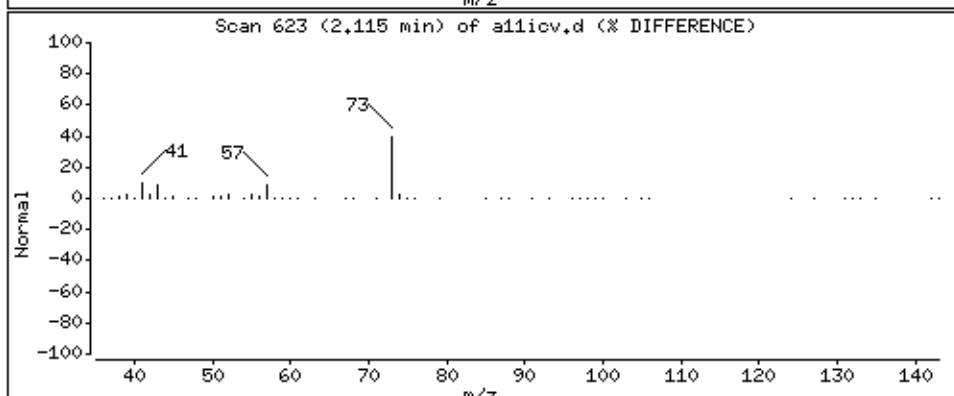
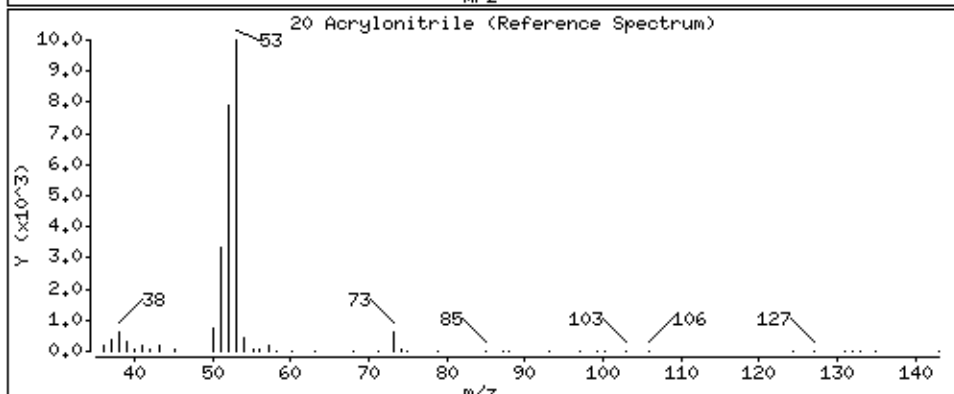
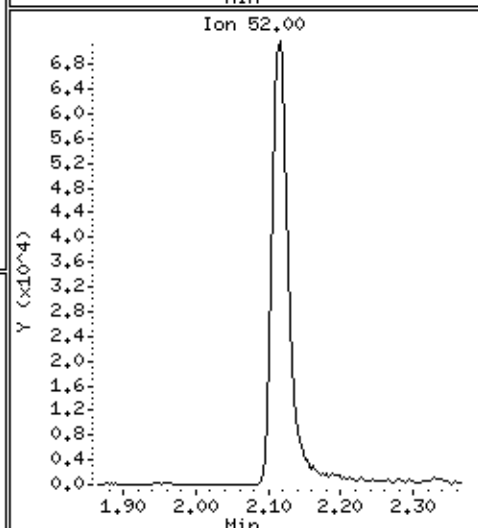
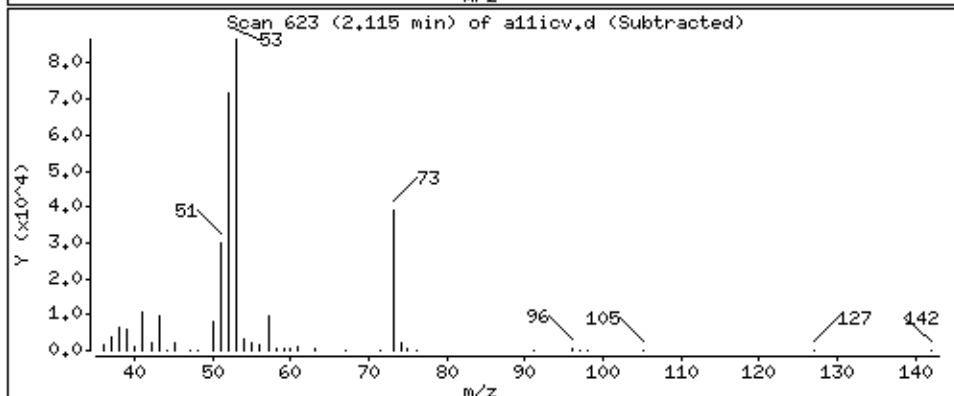
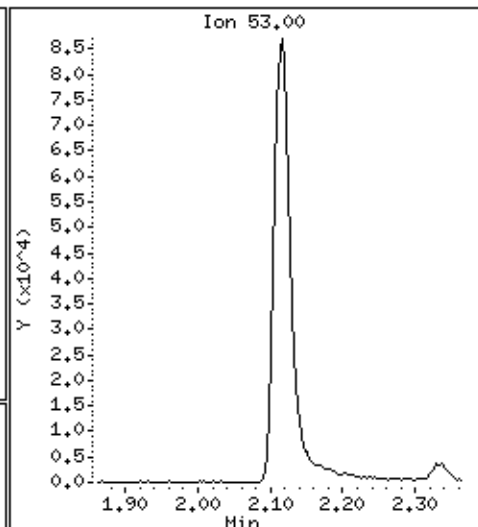
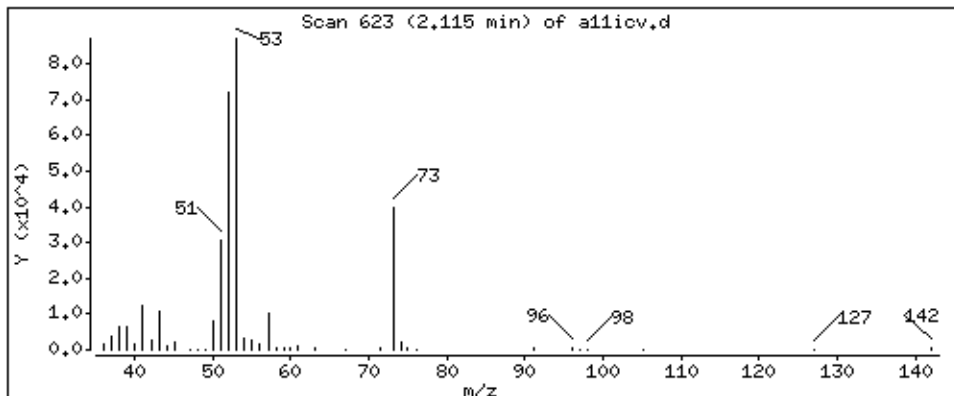
Operator: amv

Column phase: DB-624

Column diameter: 0,18

20 Acrylonitrile

Concentration: 195 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

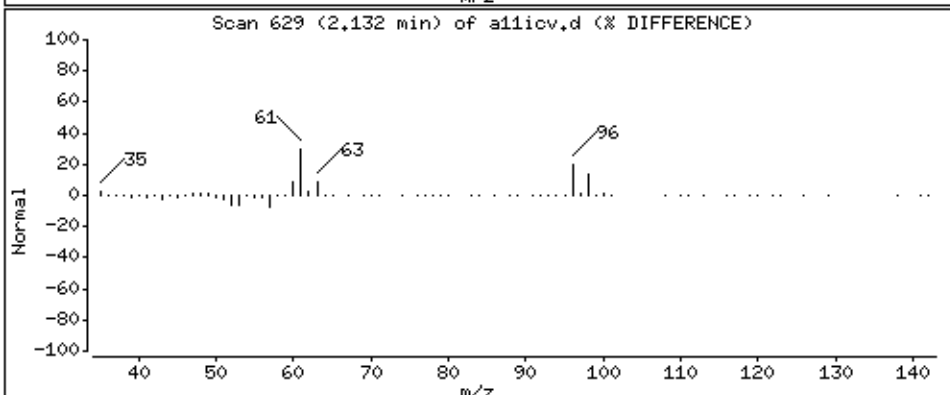
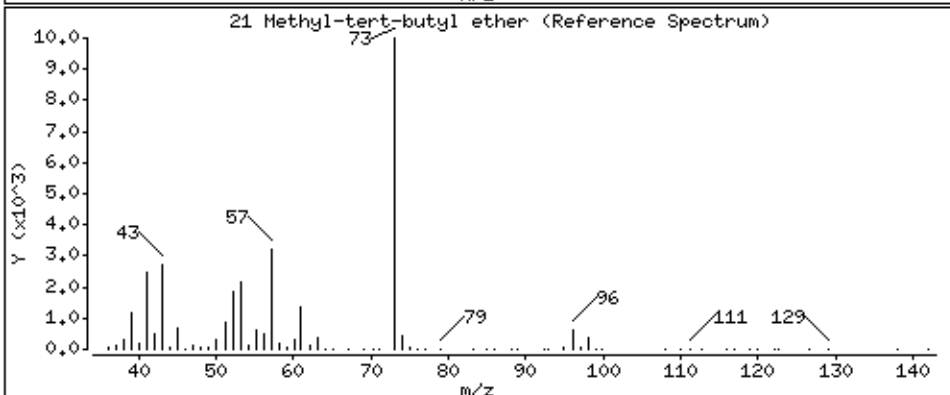
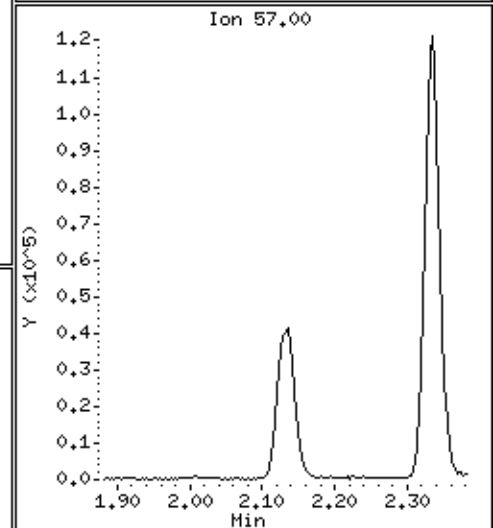
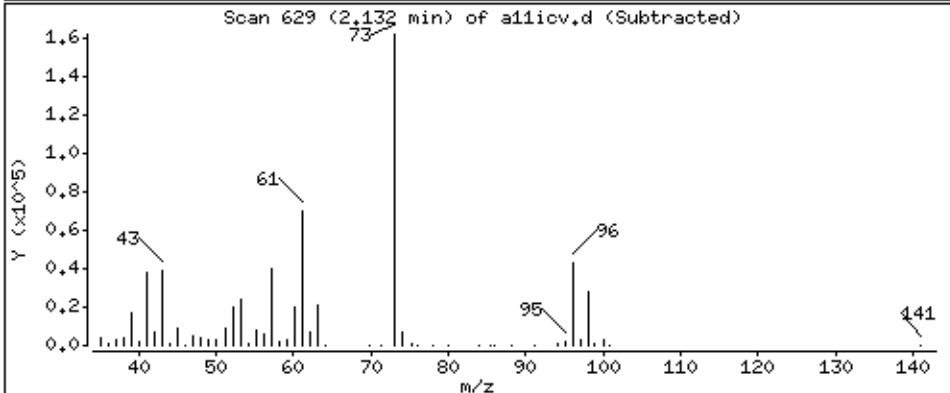
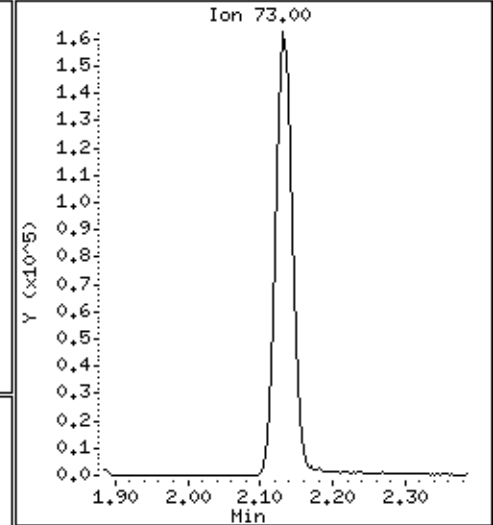
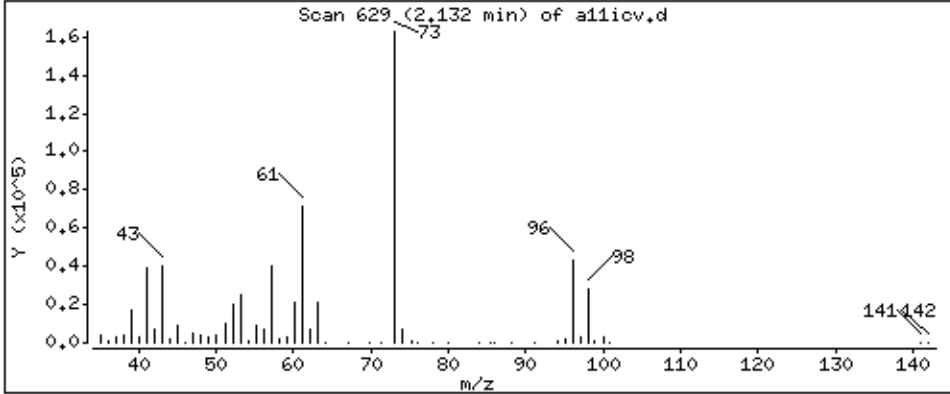
Operator: amv

Column phase: DB-624

Column diameter: 0,18

21 Methyl-tert-butyl ether

Concentration: 50,1 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

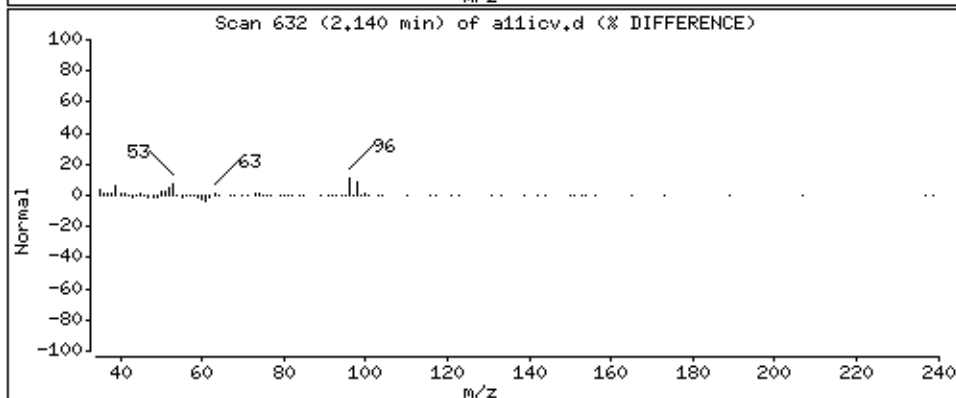
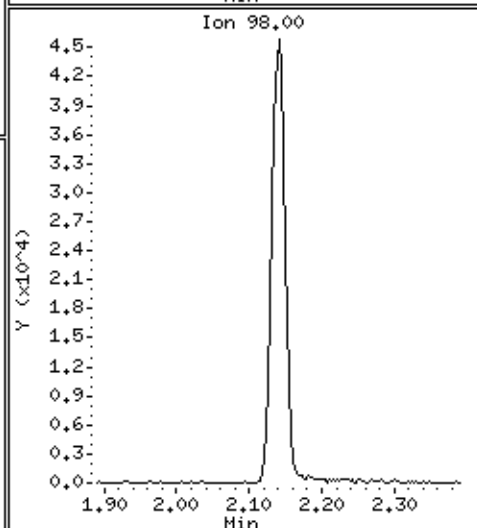
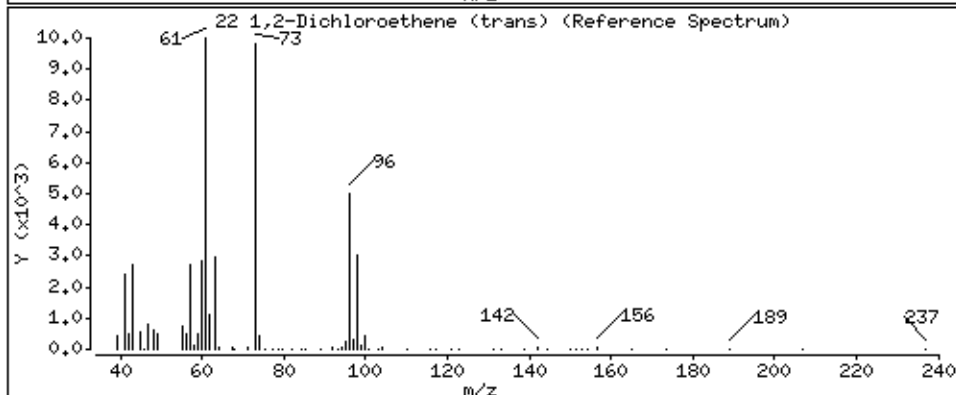
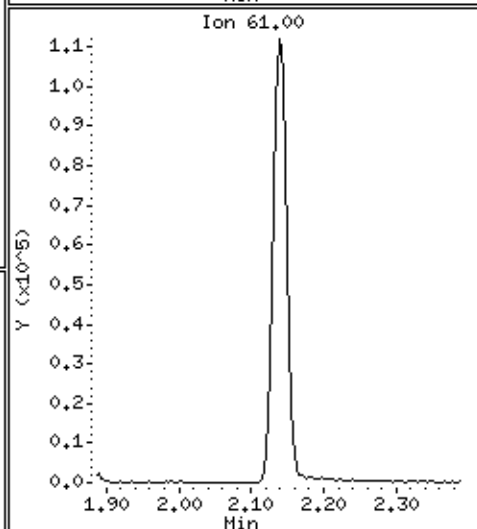
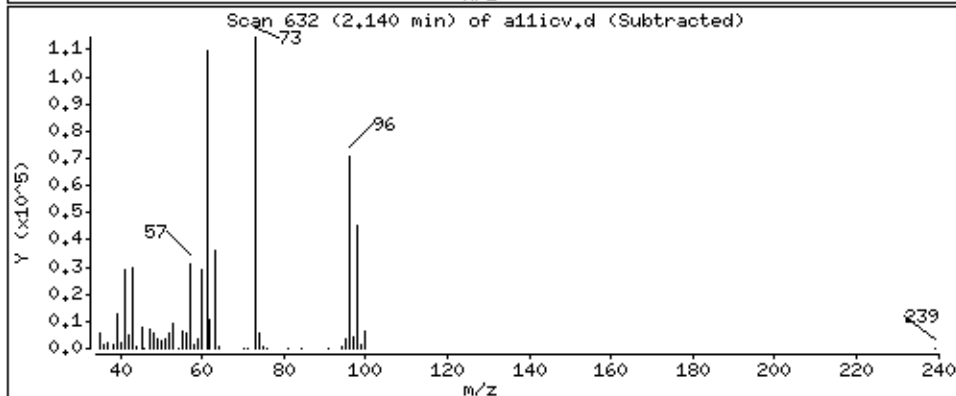
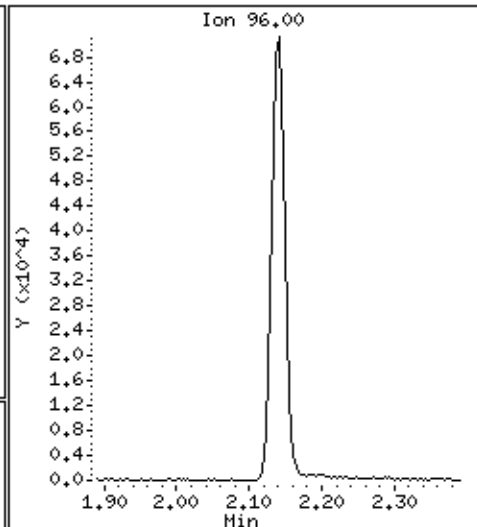
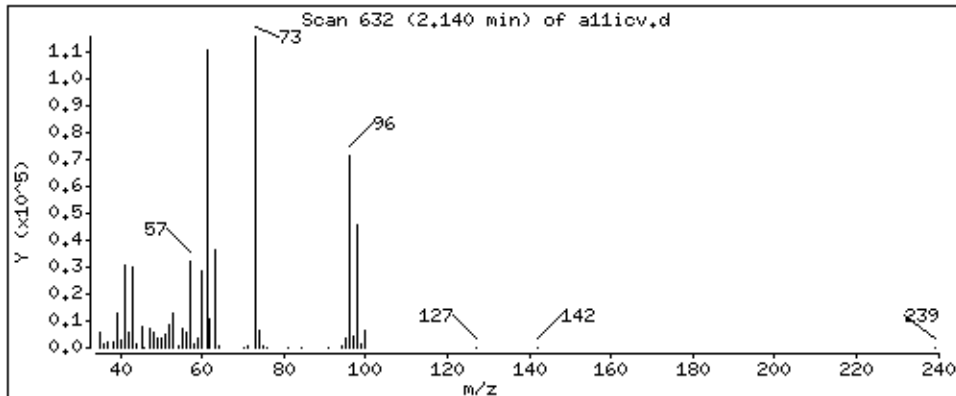
Operator: amv

Column phase: DB-624

Column diameter: 0,18

22 1,2-Dichloroethene (trans)

Concentration: 46,8 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

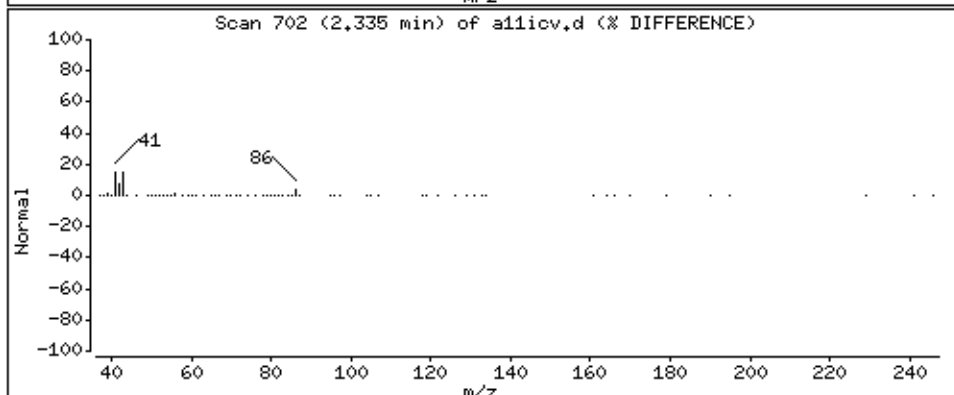
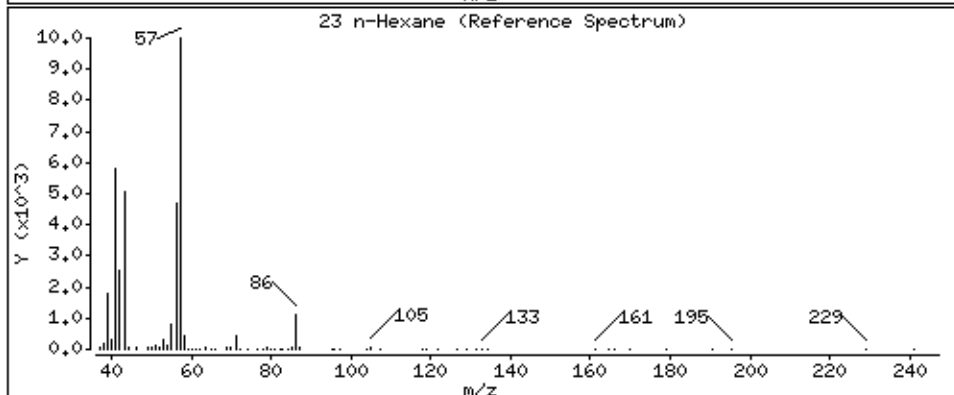
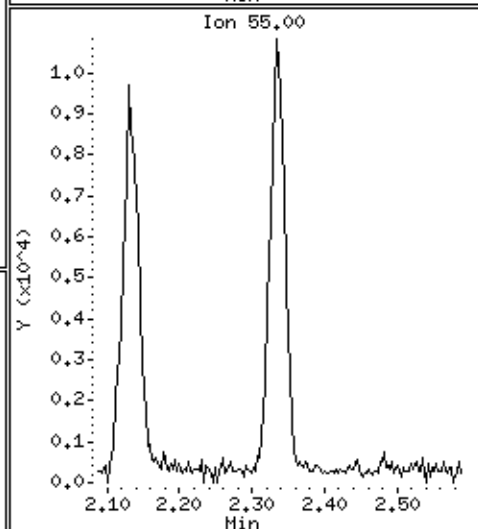
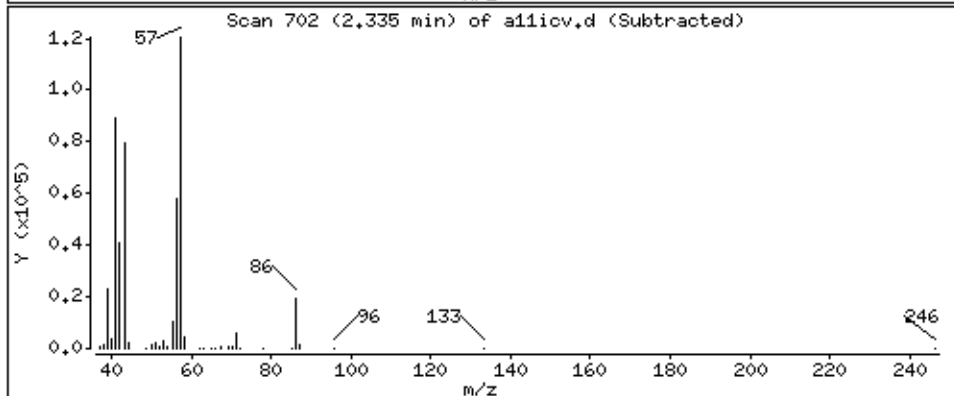
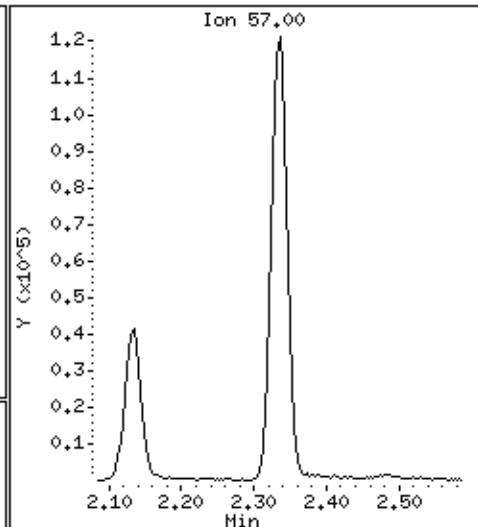
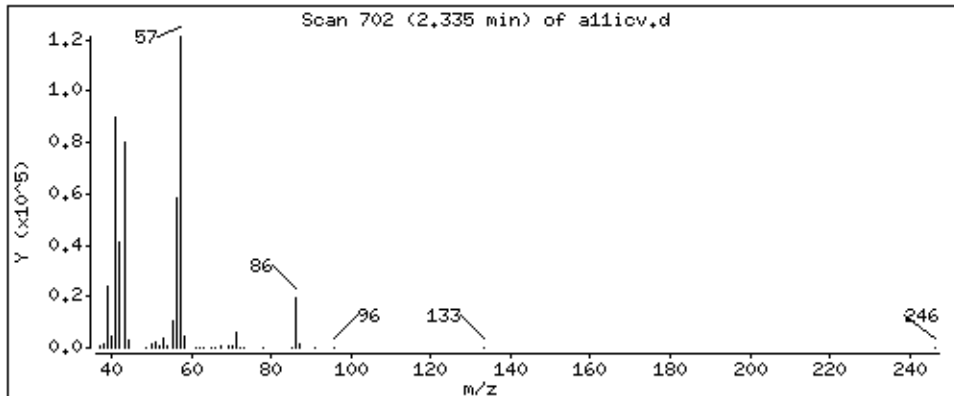
Operator: amv

Column phase: DB-624

Column diameter: 0,18

23 n-Hexane

Concentration: 50,0 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

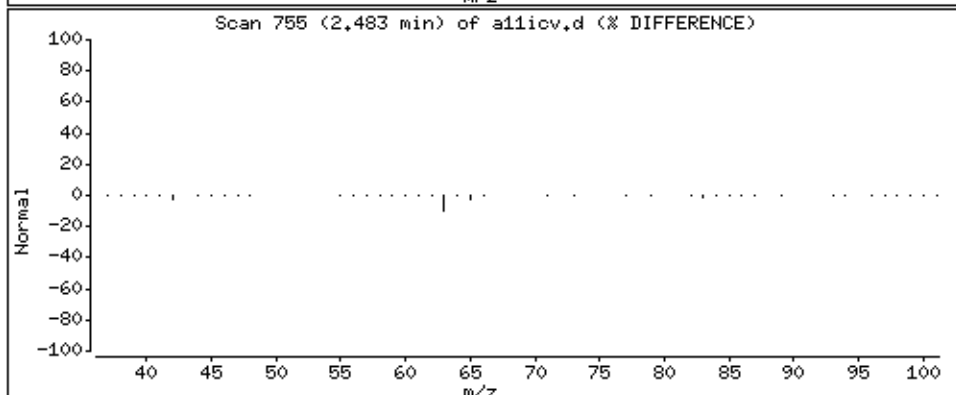
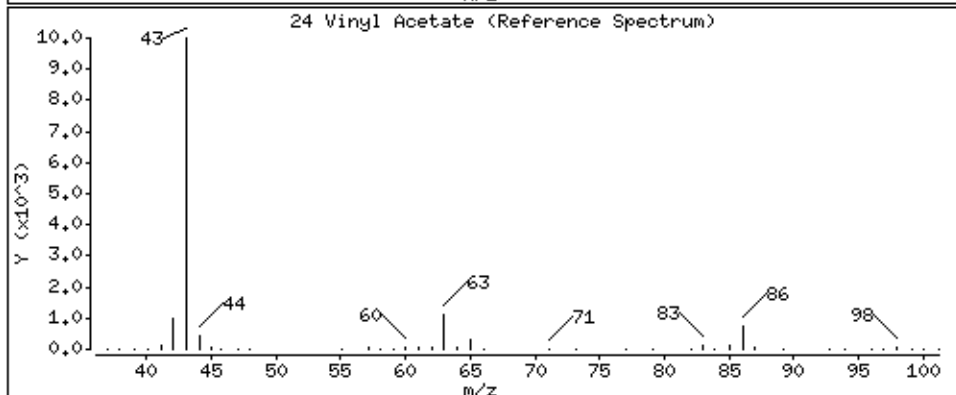
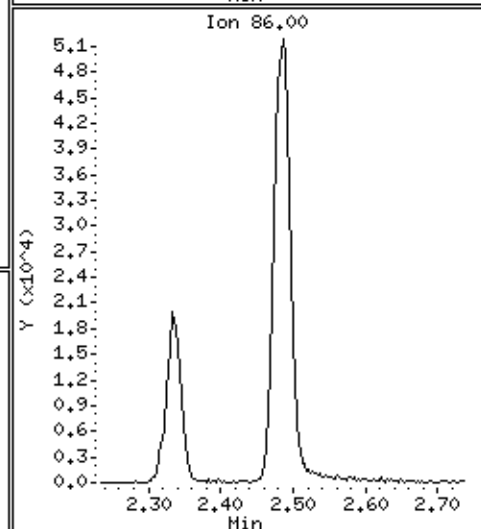
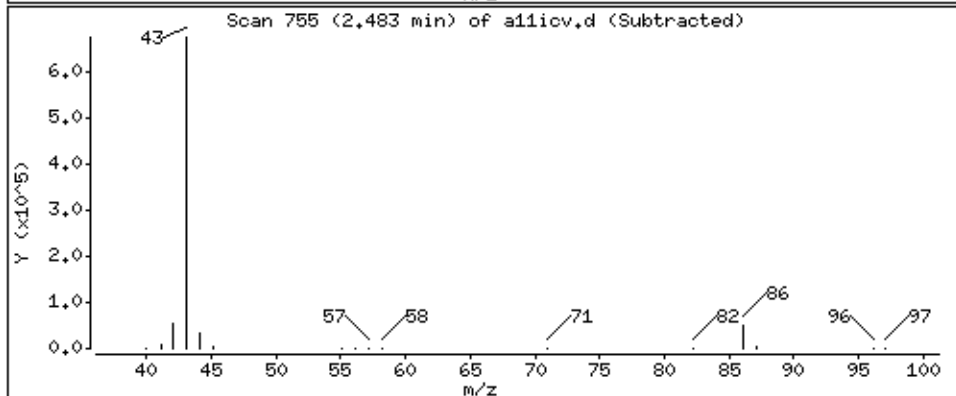
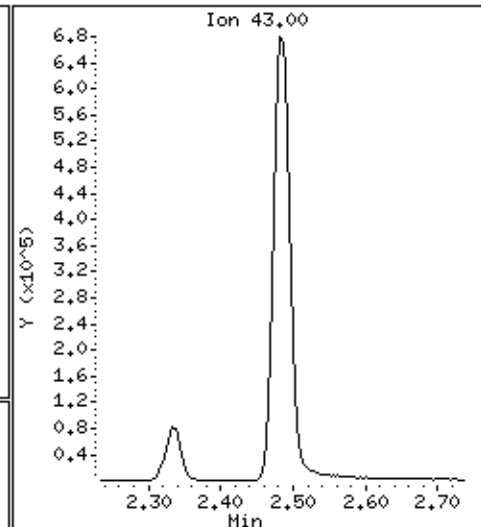
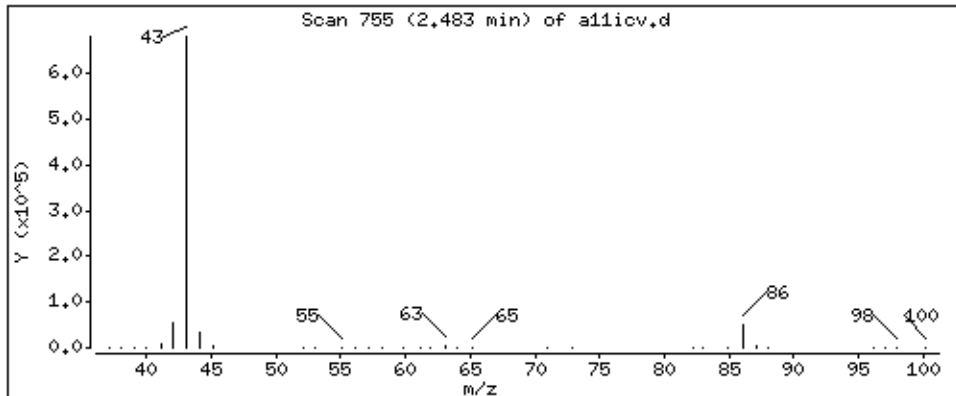
Operator: amv

Column phase: DB-624

Column diameter: 0,18

24 Vinyl Acetate

Concentration: 177 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

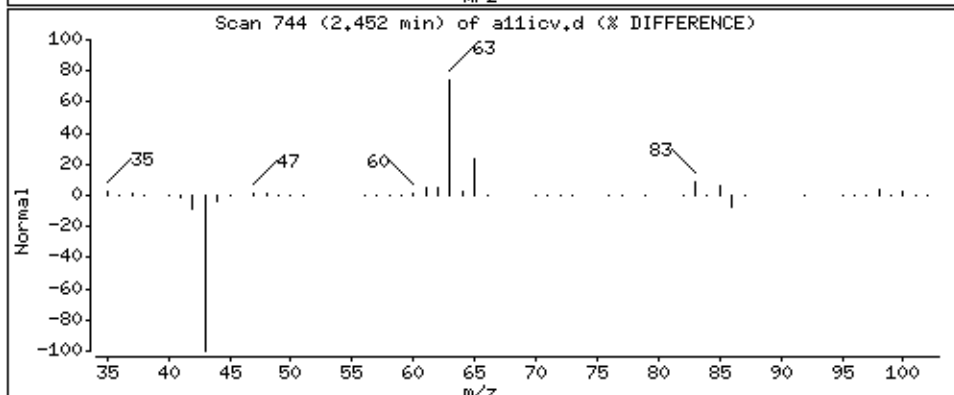
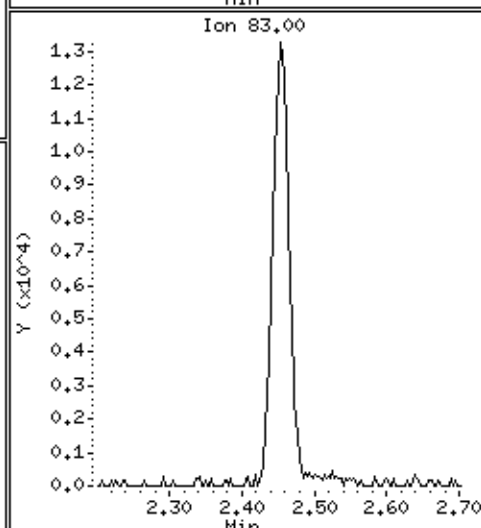
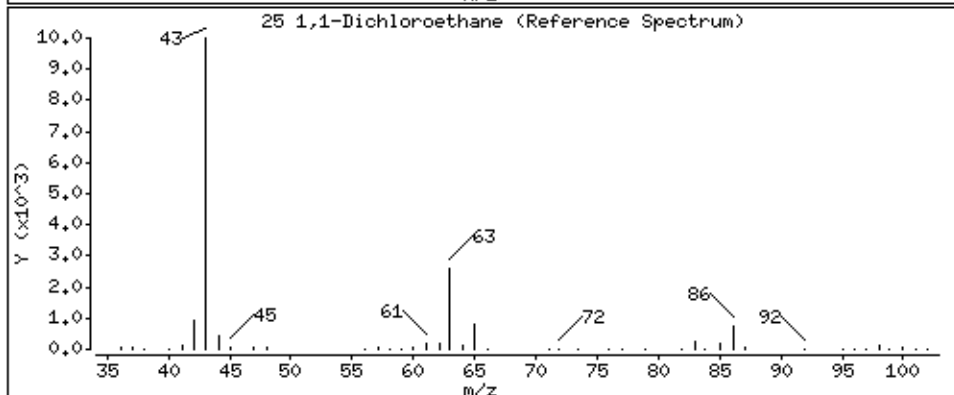
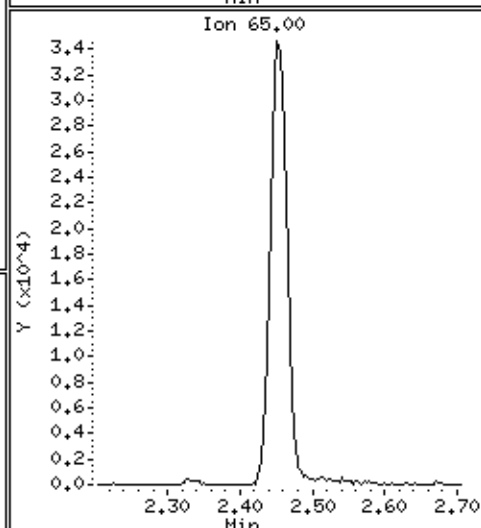
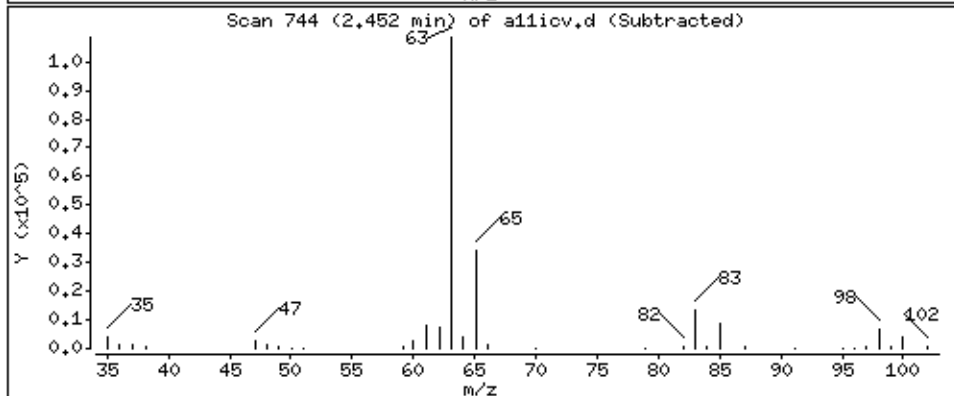
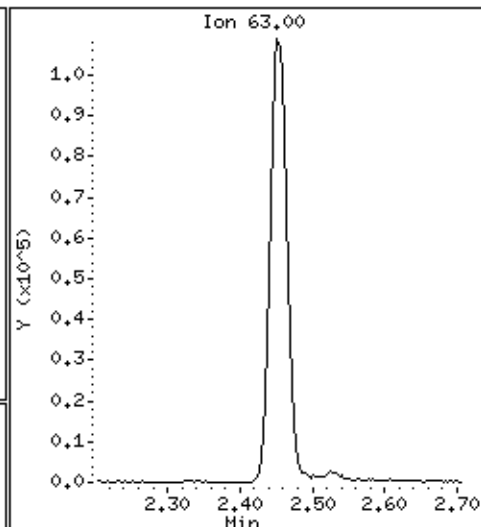
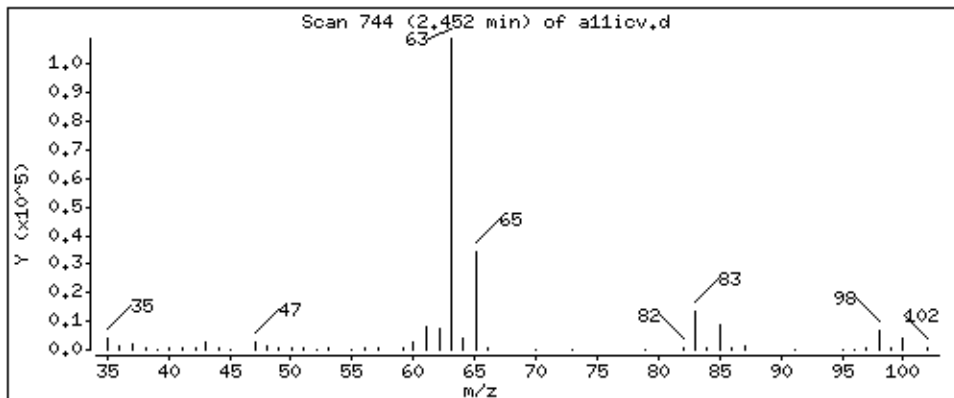
Operator: amv

Column phase: DB-624

Column diameter: 0.18

25 1,1-Dichloroethane

Concentration: 48.9 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

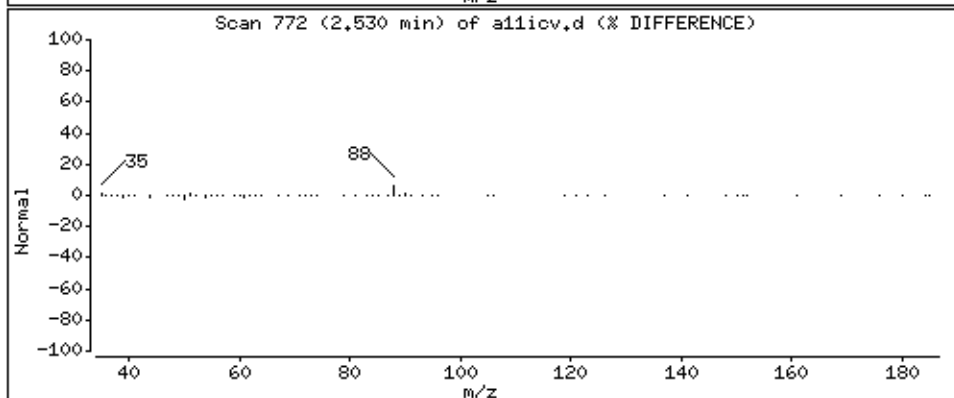
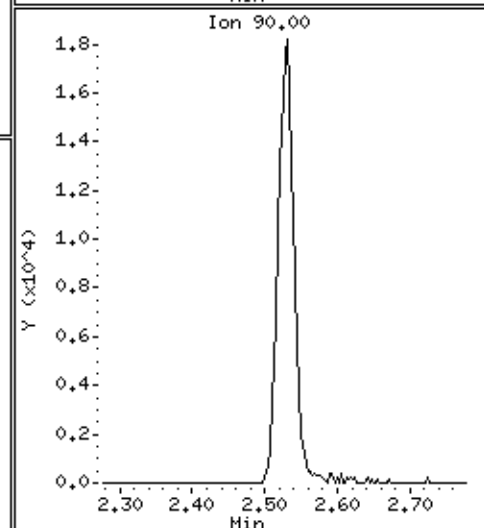
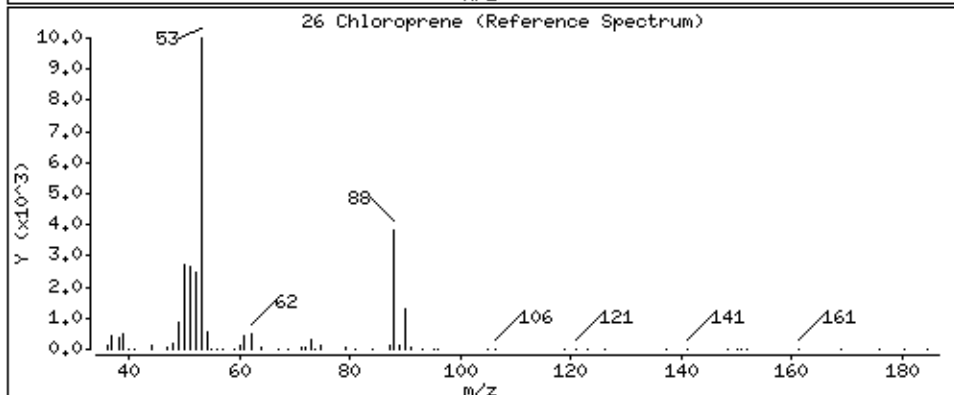
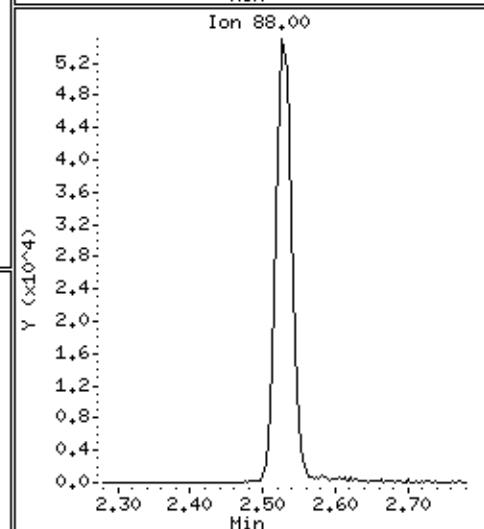
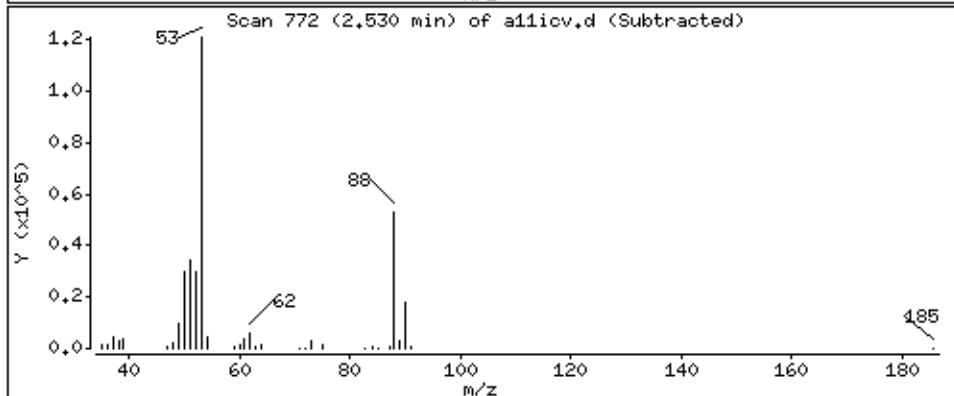
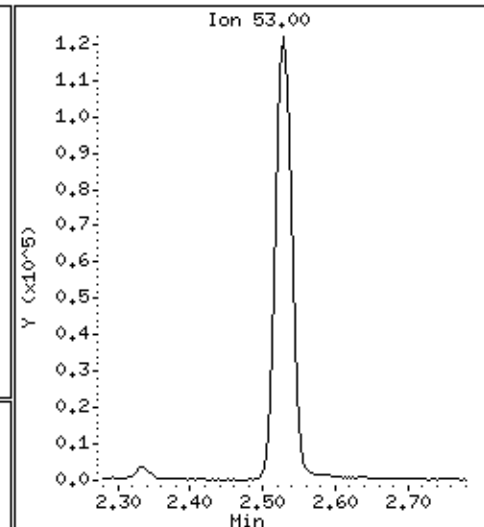
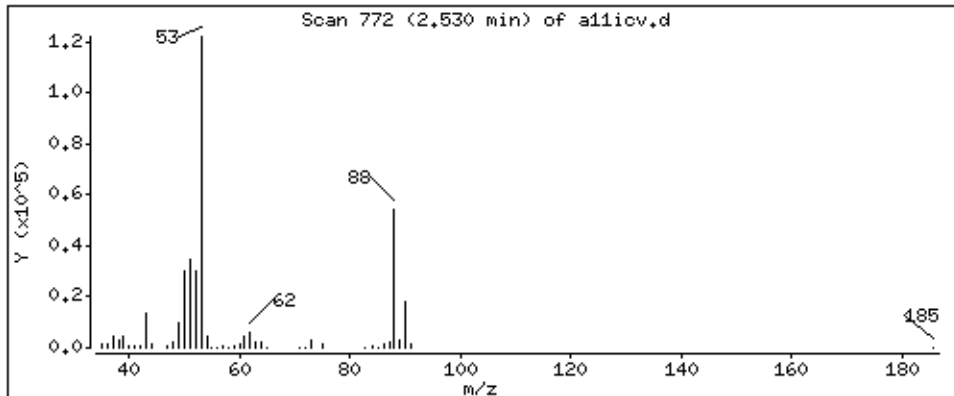
Operator: amv

Column phase: DB-624

Column diameter: 0,18

26 Chloroprene

Concentration: 46,8 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

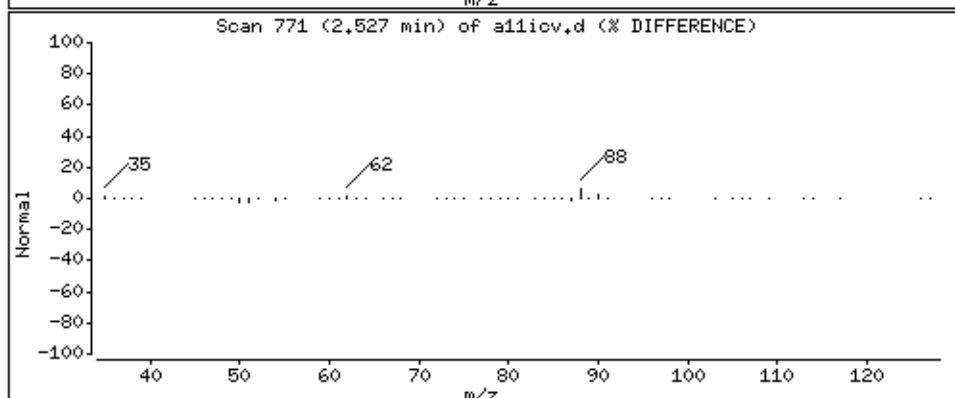
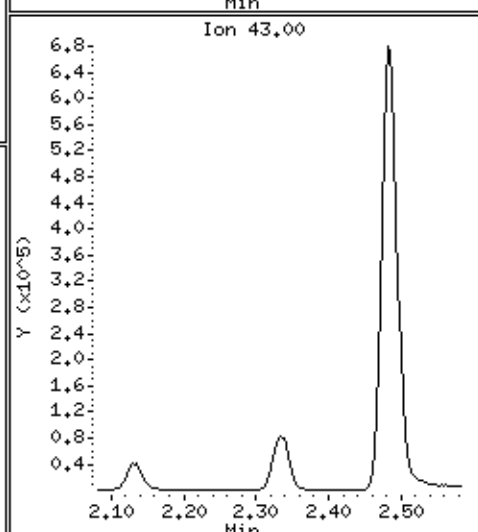
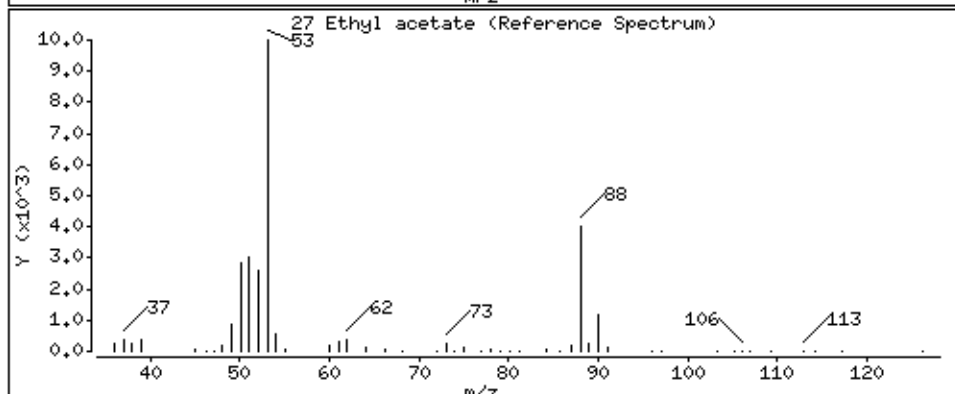
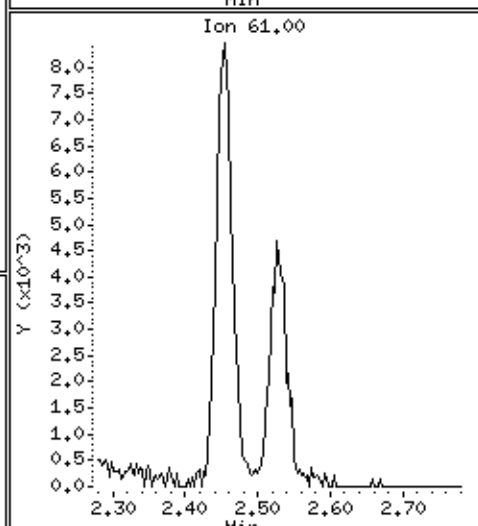
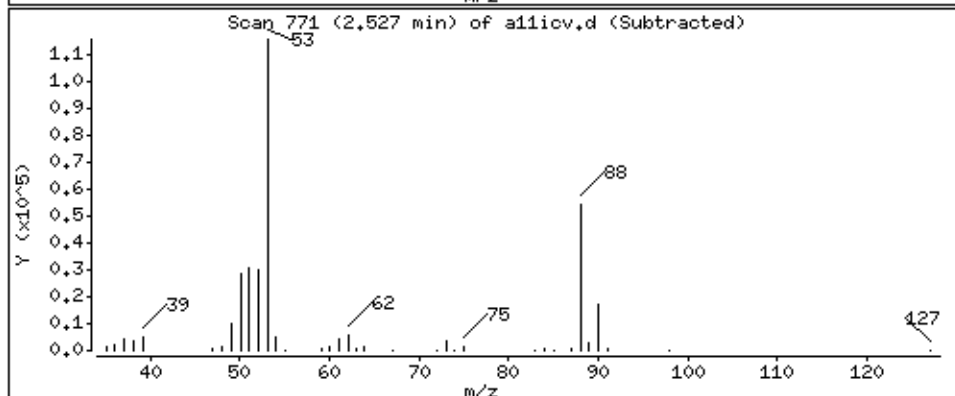
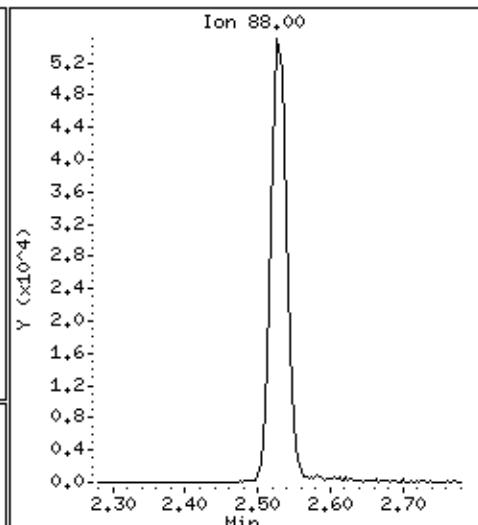
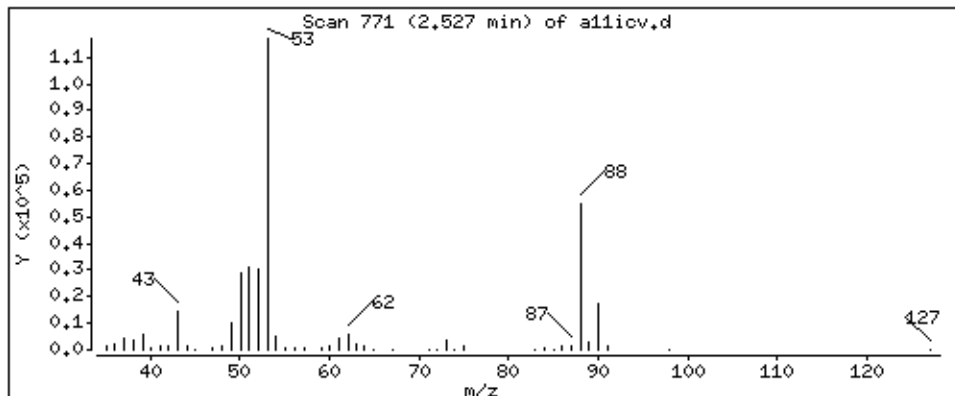
Operator: amv

Column phase: DB-624

Column diameter: 0,18

27 Ethyl acetate

Concentration: 407 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

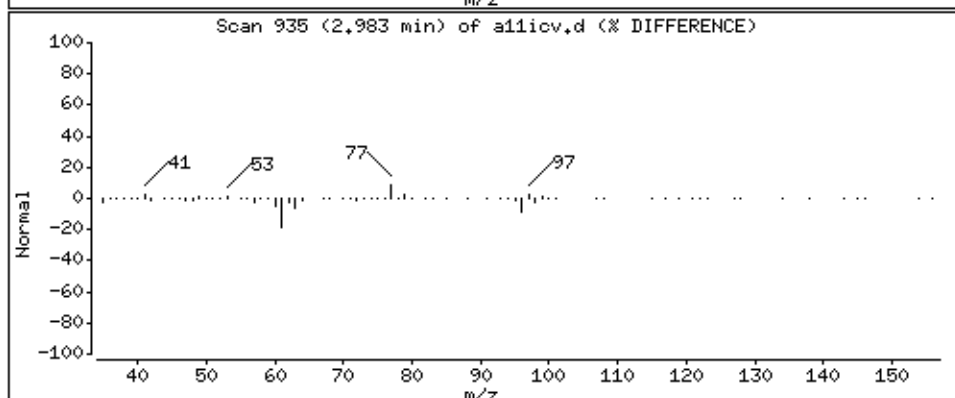
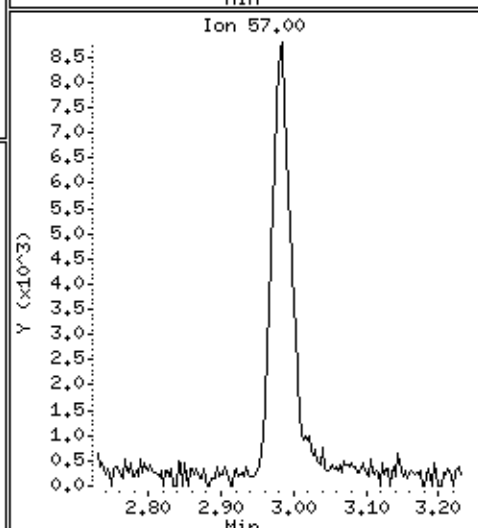
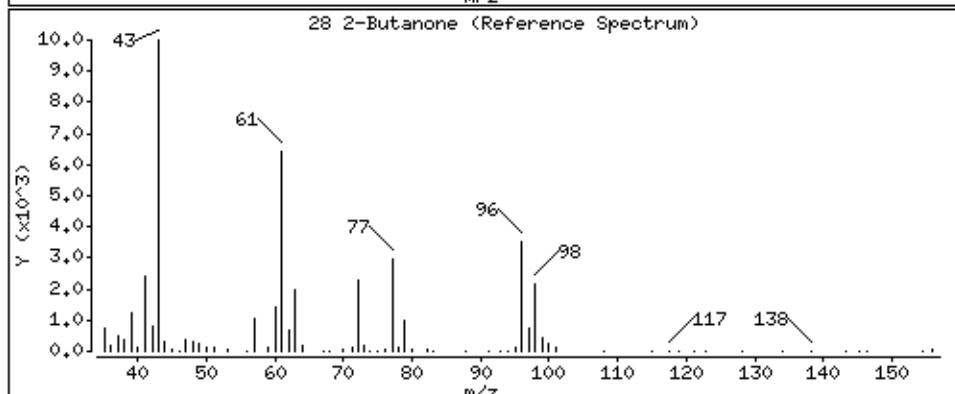
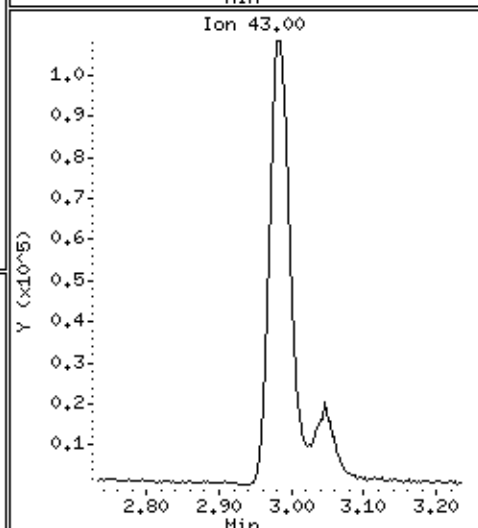
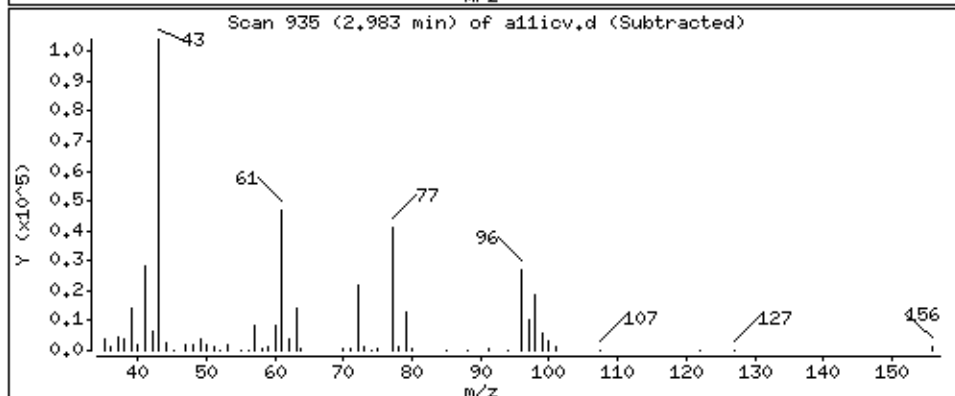
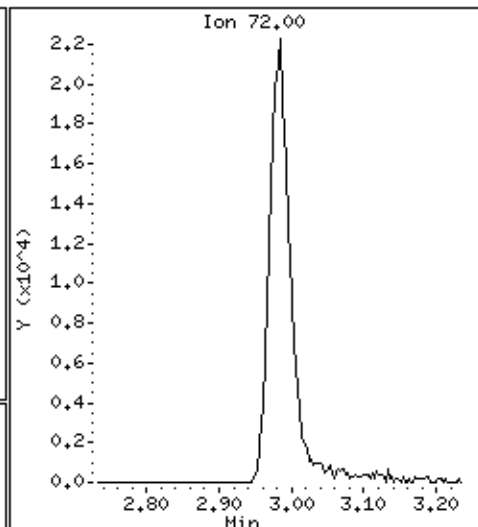
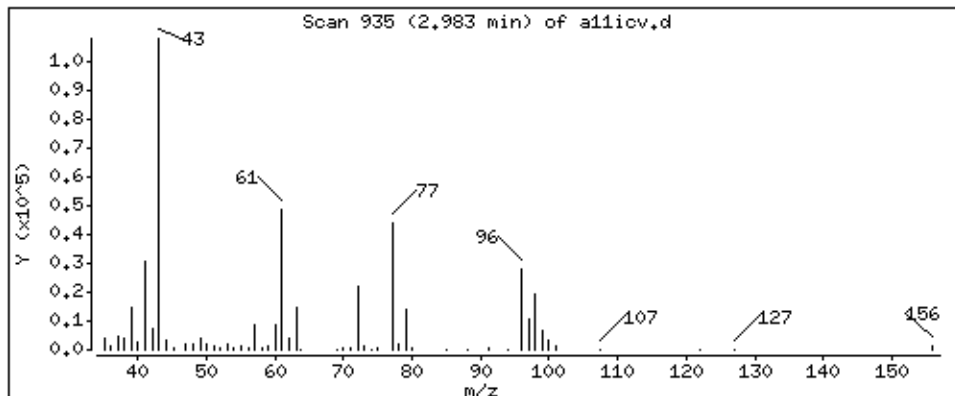
Operator: amv

Column phase: DB-624

Column diameter: 0,18

28 2-Butanone

Concentration: 258 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

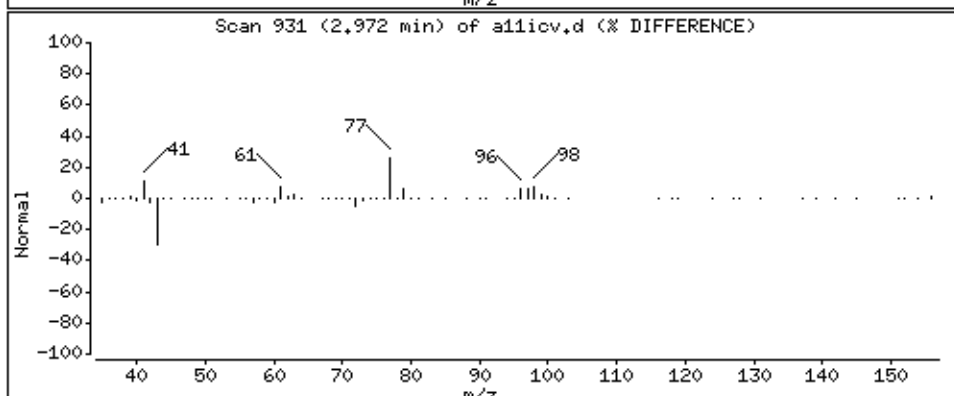
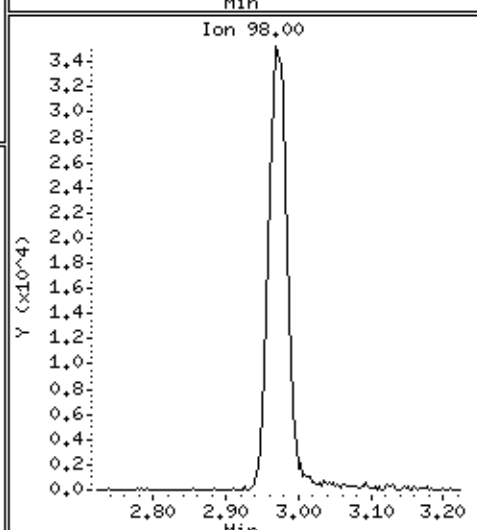
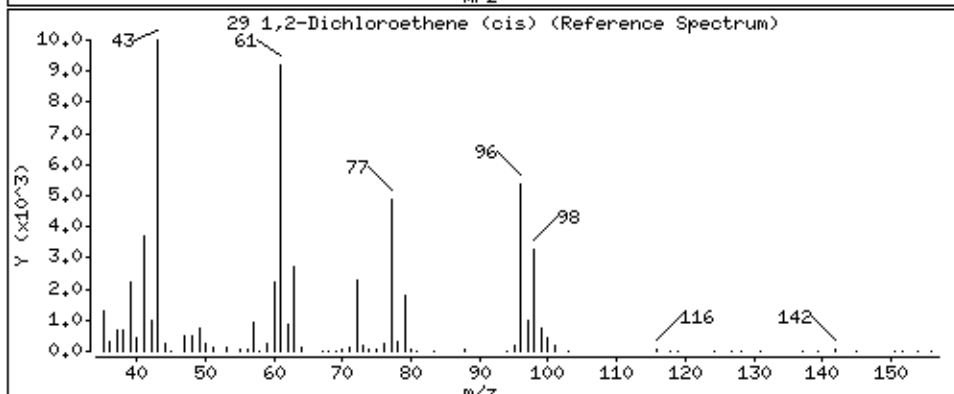
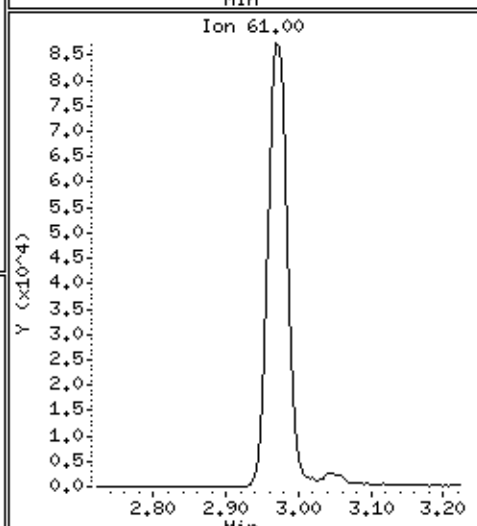
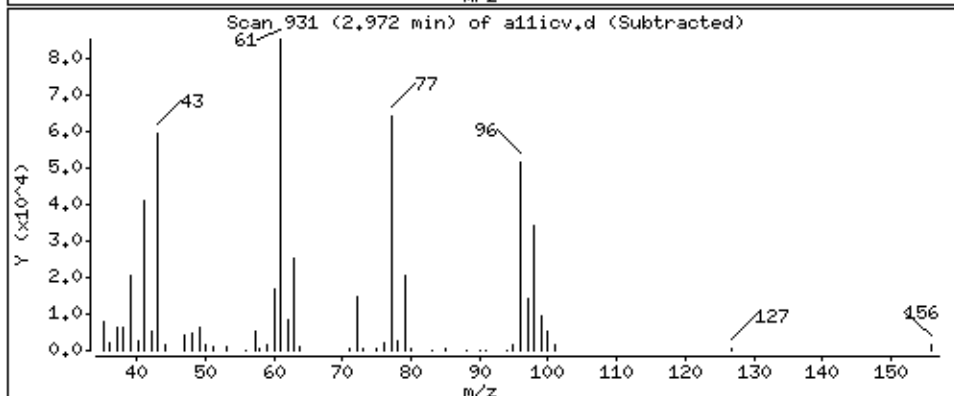
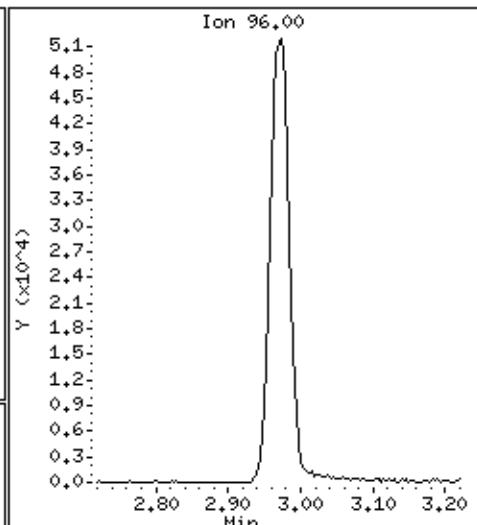
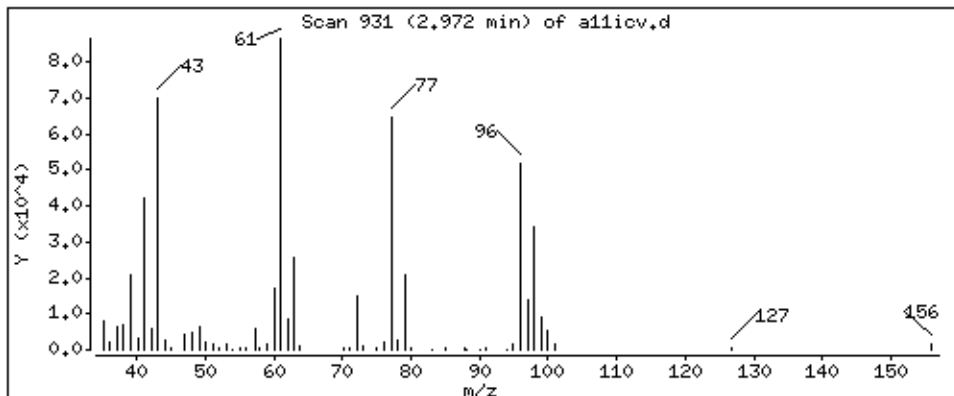
Operator: amv

Column phase: DB-624

Column diameter: 0,18

29 1,2-Dichloroethene (cis)

Concentration: 46,7 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

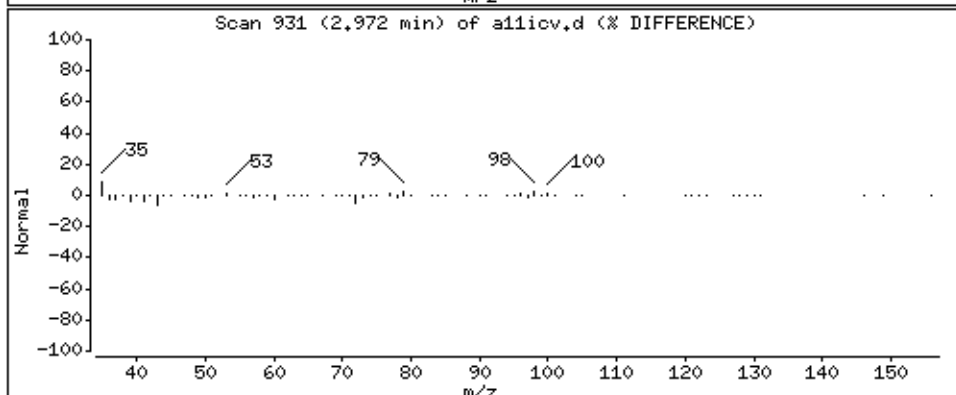
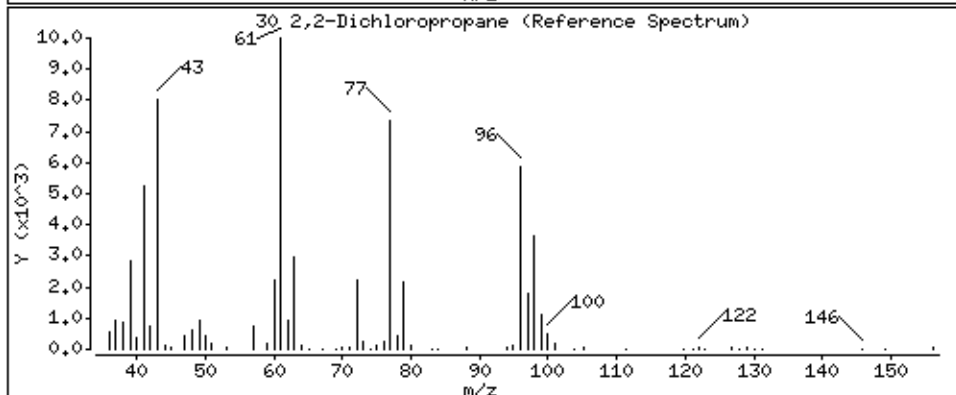
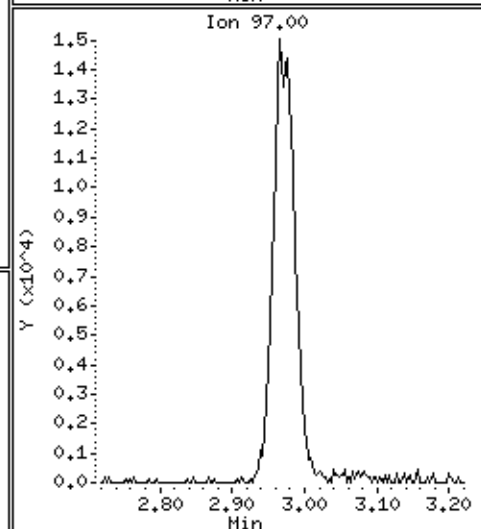
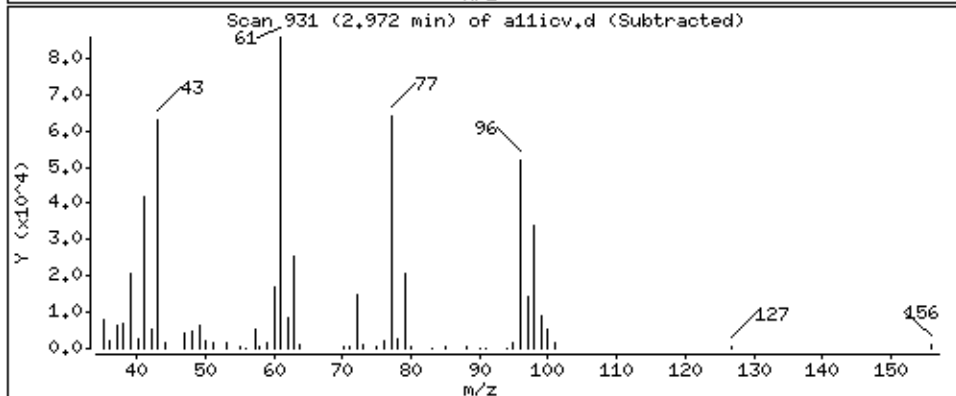
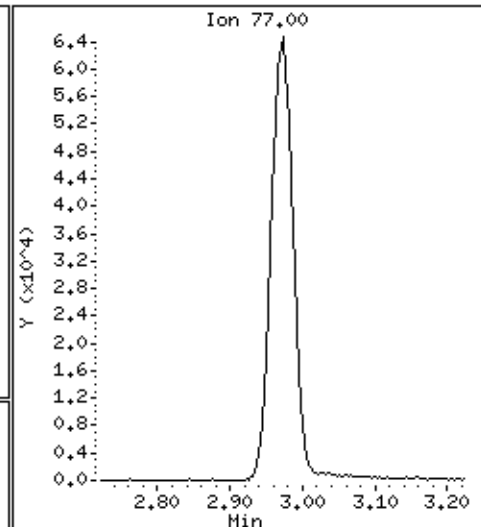
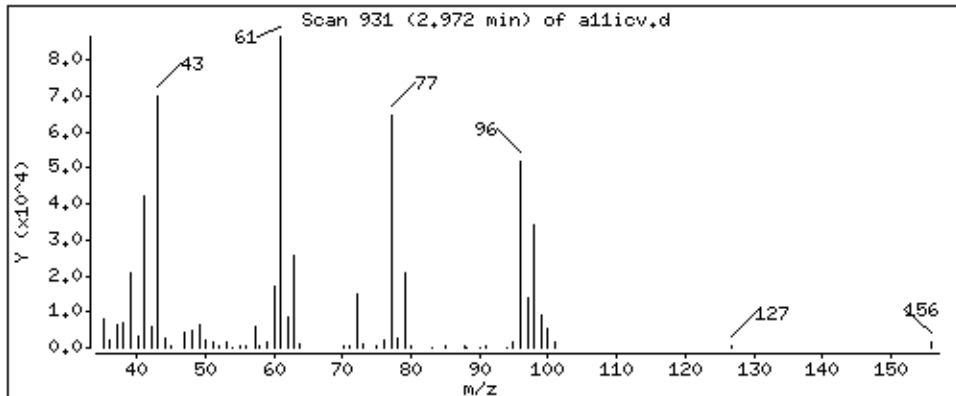
Operator: amv

Column phase: DB-624

Column diameter: 0,18

30 2,2-Dichloropropane

Concentration: 44,7 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

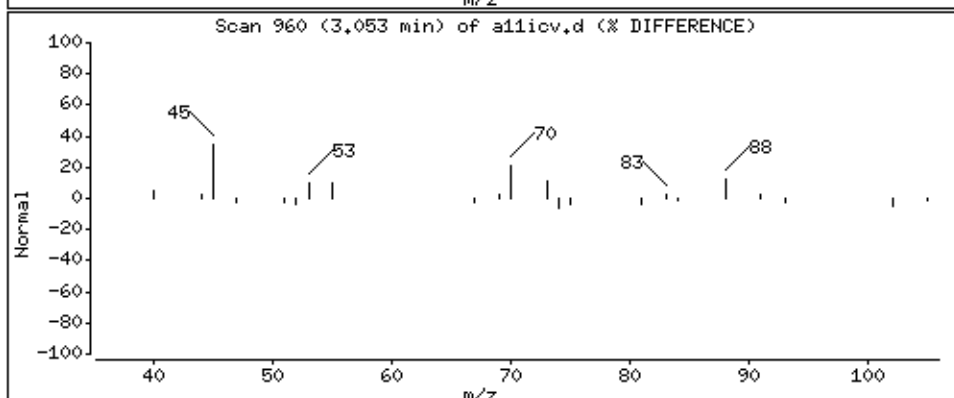
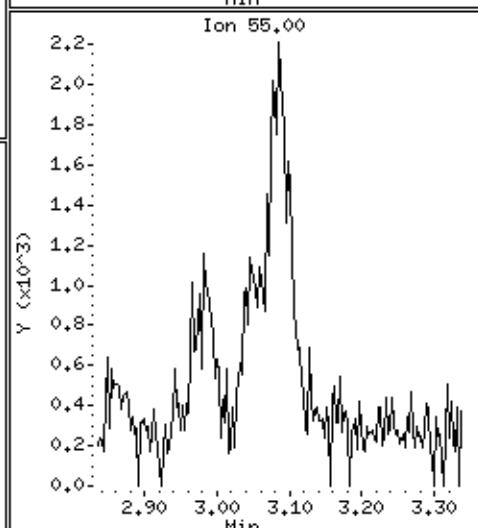
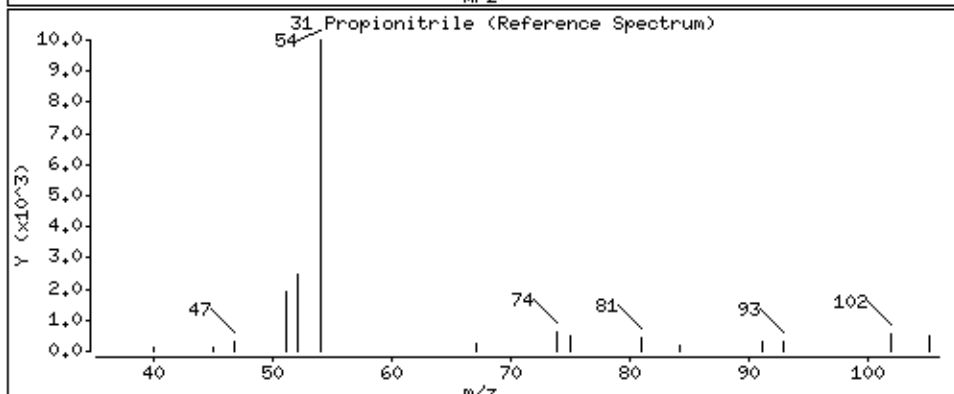
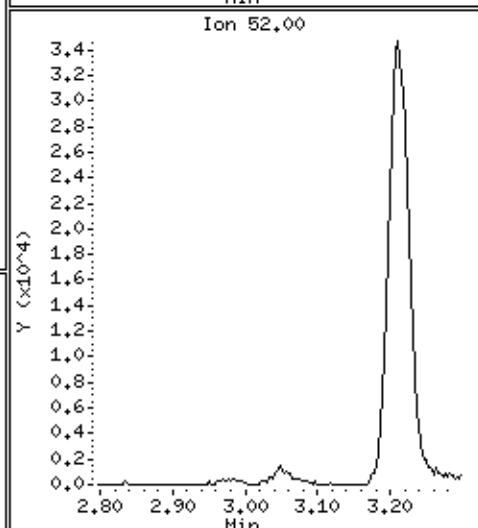
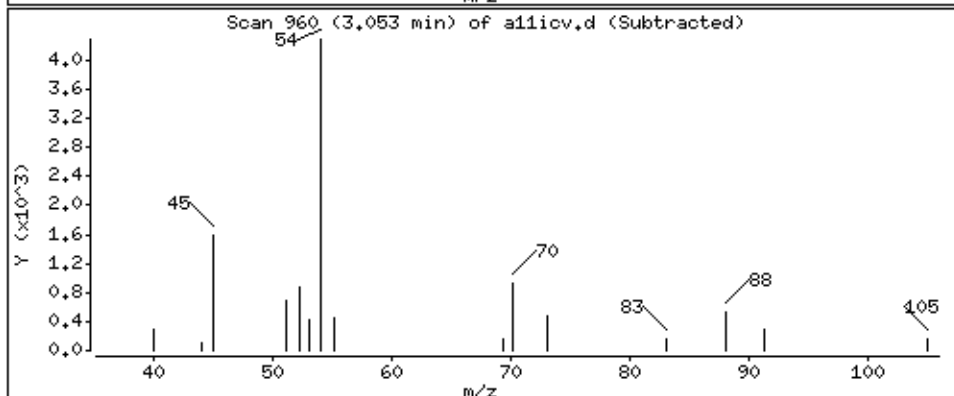
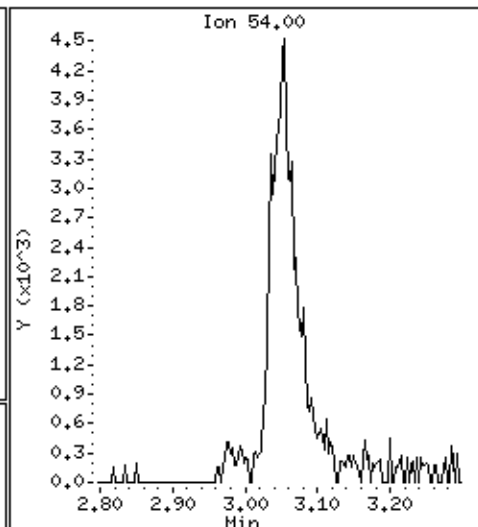
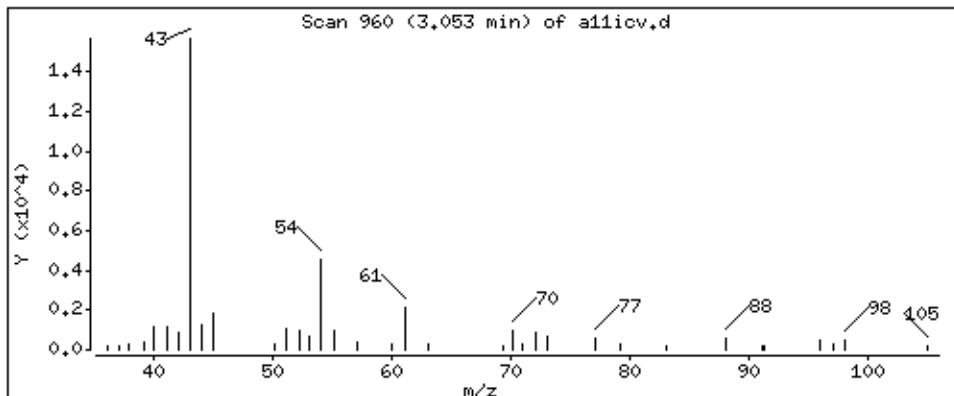
Operator: amv

Column phase: DB-624

Column diameter: 0.18

31 Propionitrile

Concentration: 44.9 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mw2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

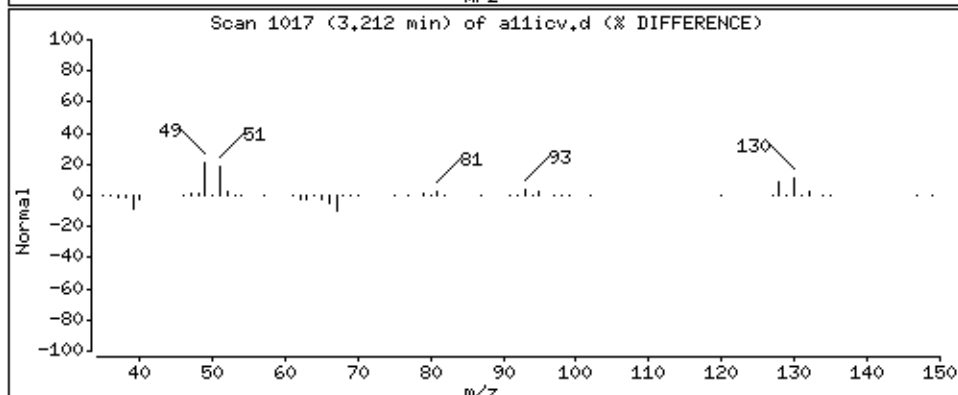
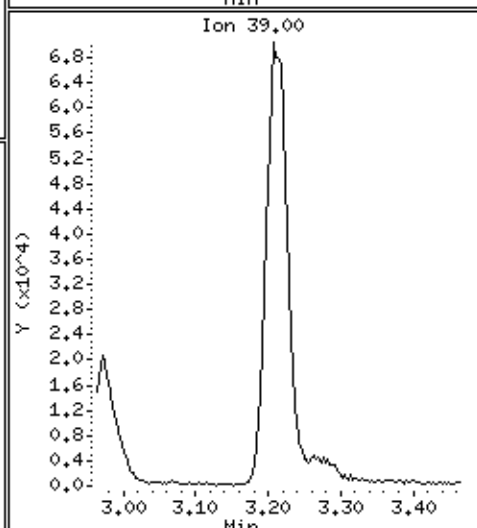
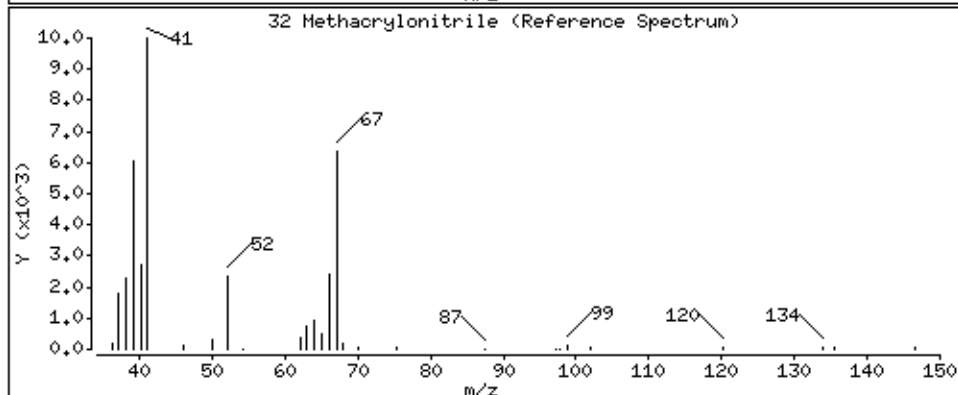
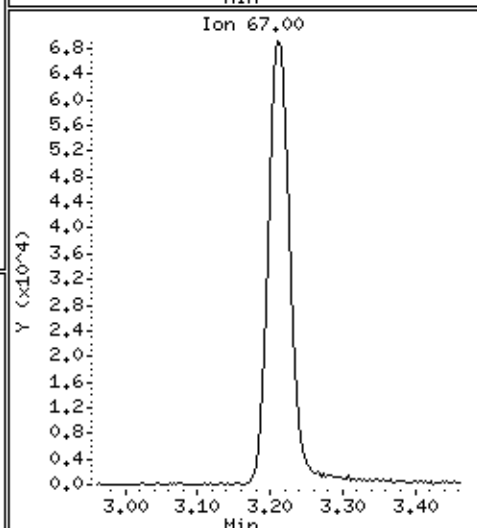
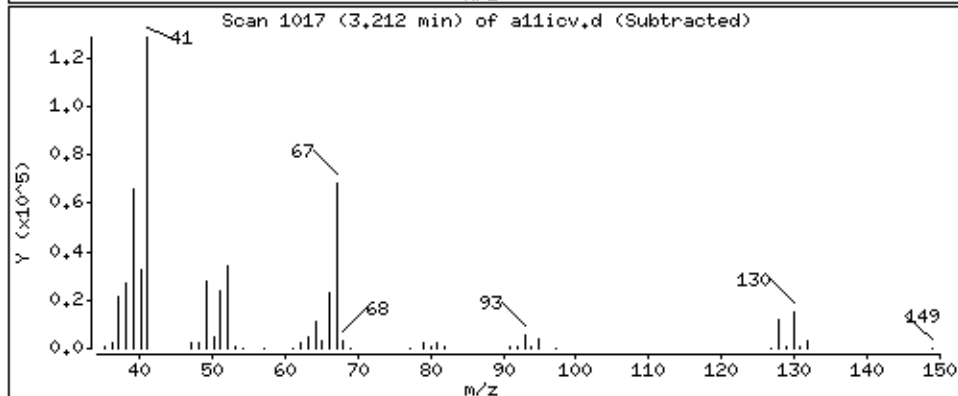
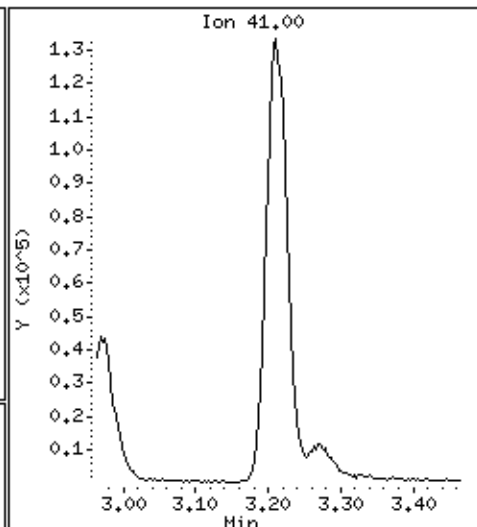
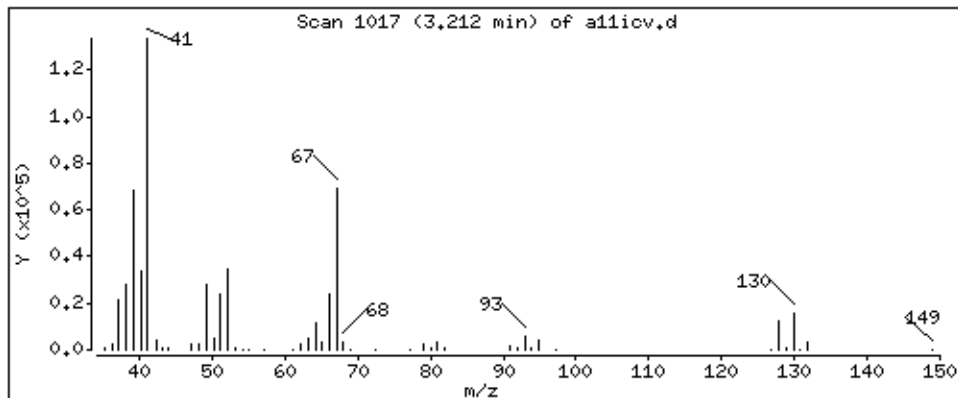
Operator: amv

Column phase: DB-624

Column diameter: 0,18

32 Methacrylonitrile

Concentration: 201 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

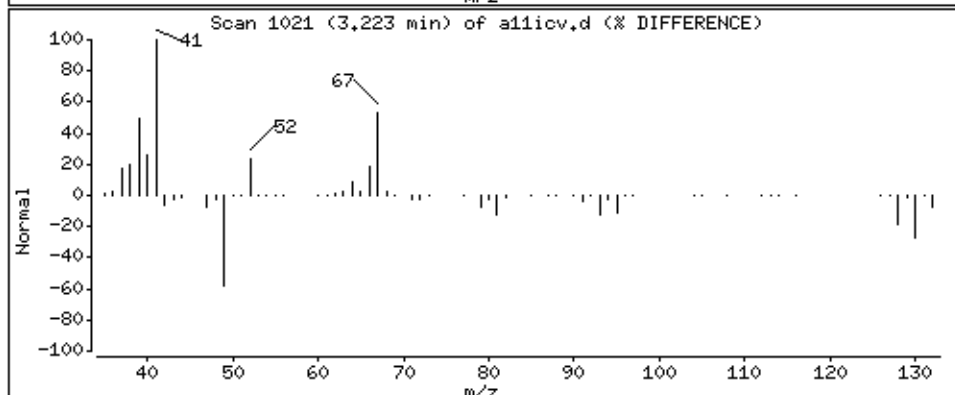
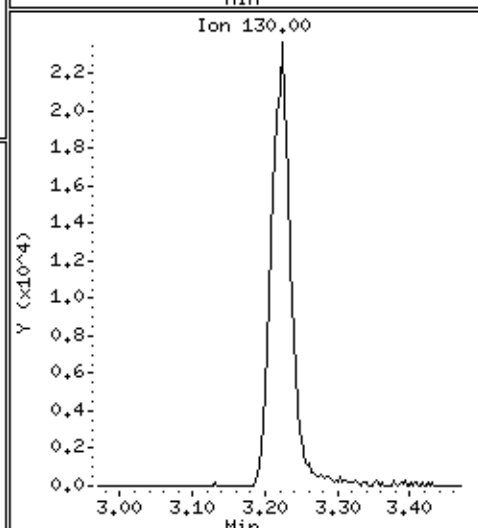
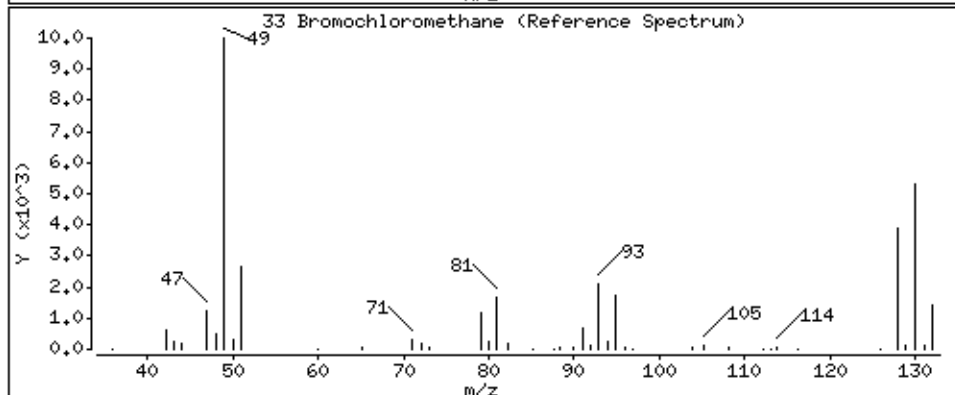
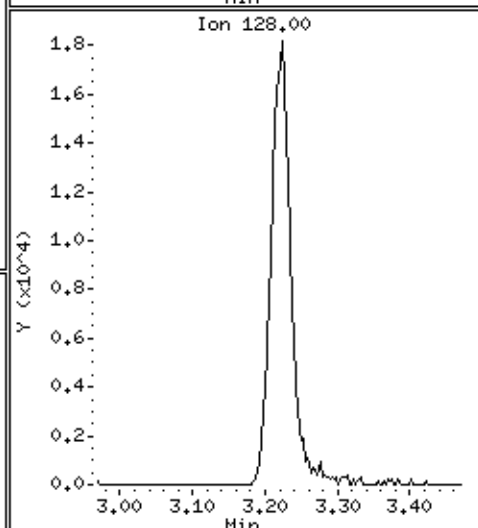
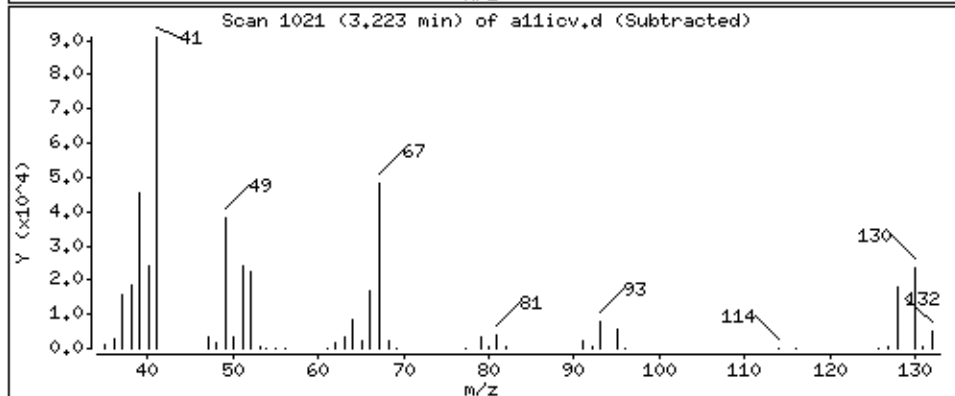
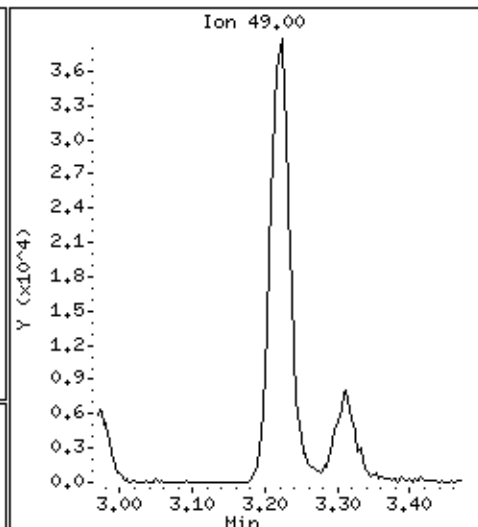
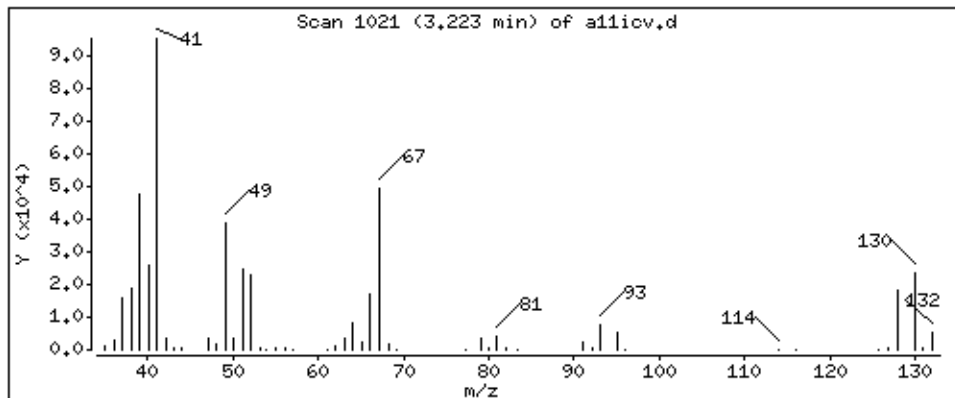
Operator: amv

Column phase: DB-624

Column diameter: 0,18

33 Bromochloromethane

Concentration: 45,4 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

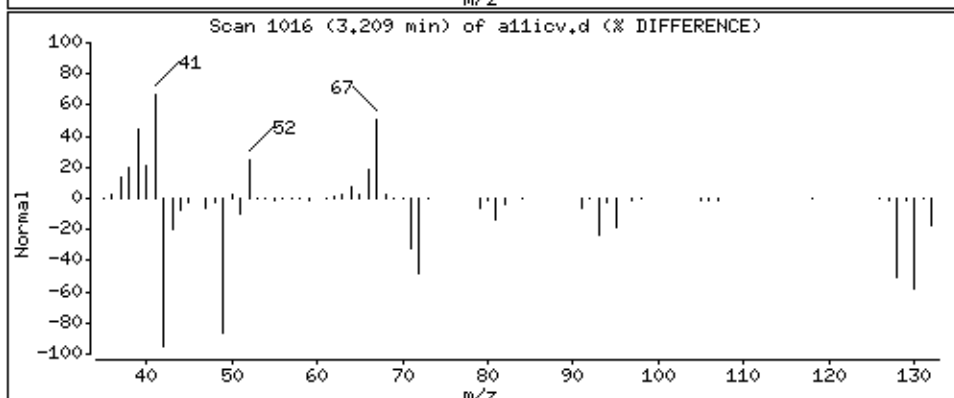
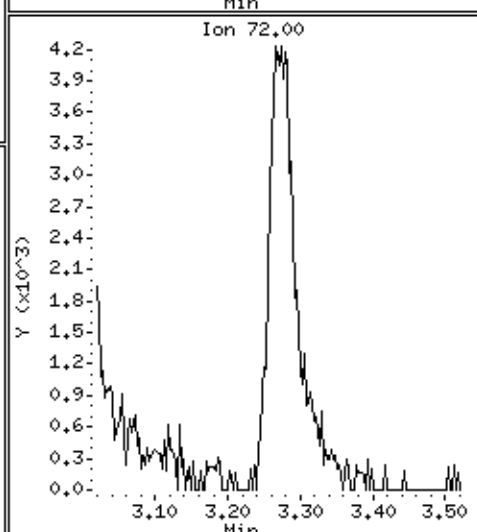
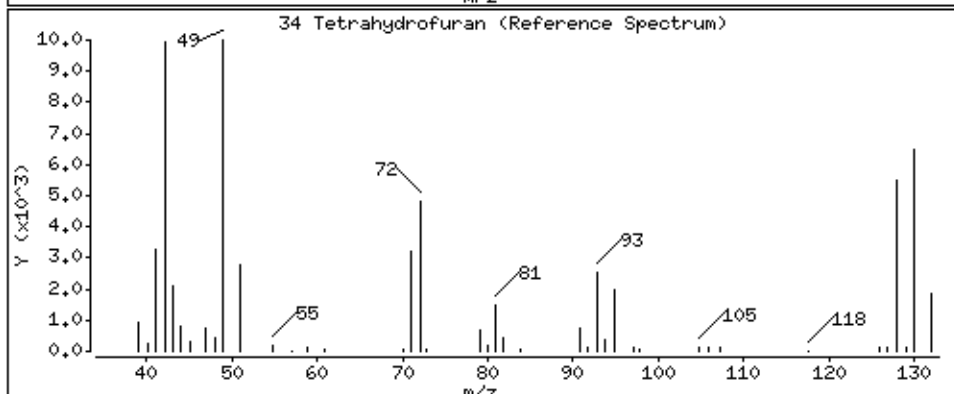
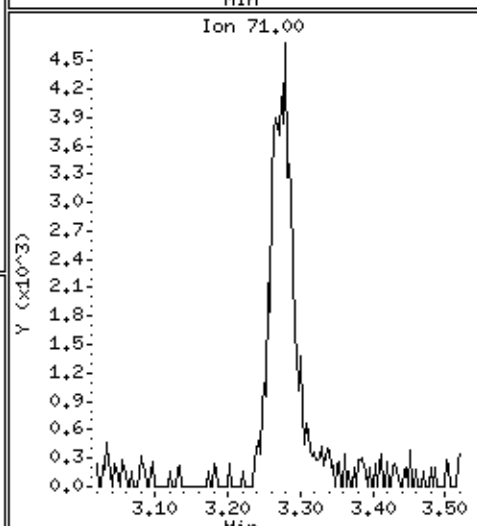
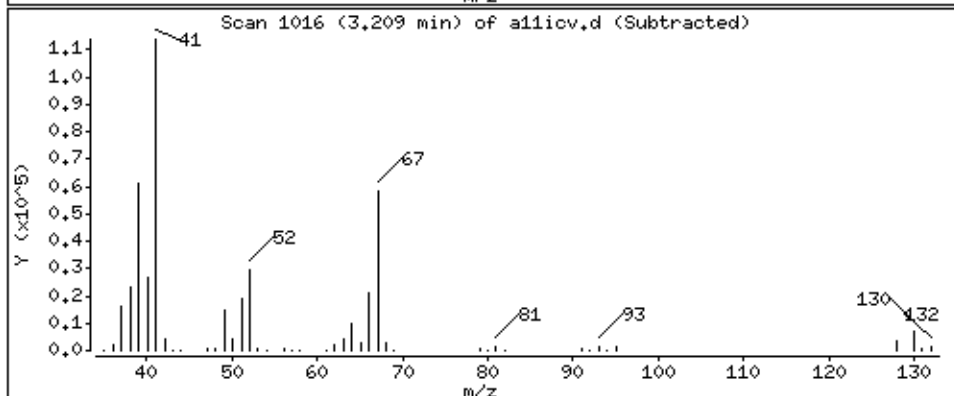
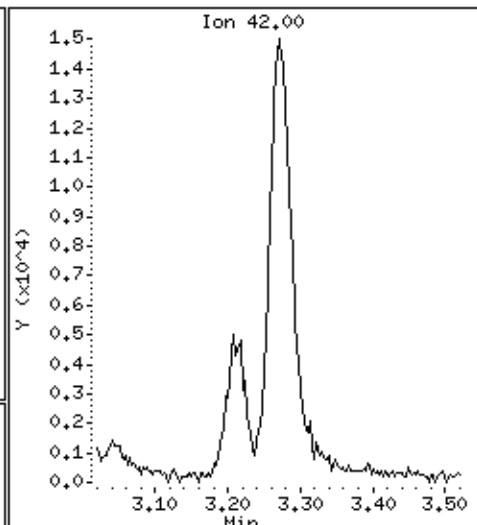
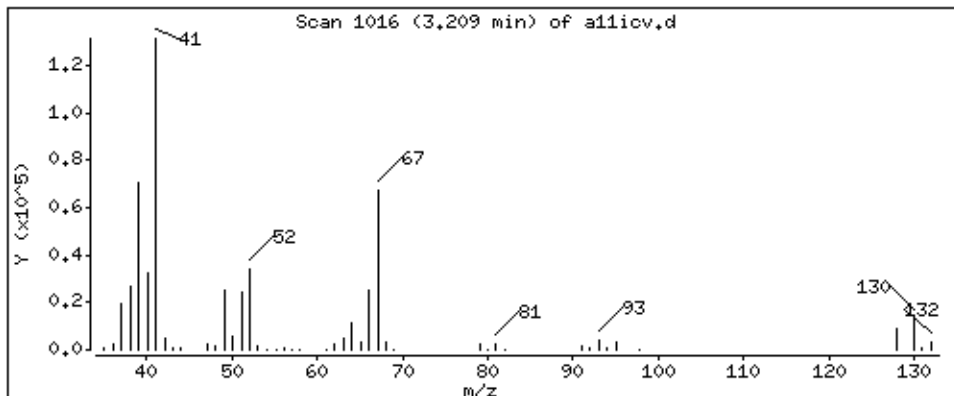
Operator: amv

Column phase: DB-624

Column diameter: 0.18

34 Tetrahydrofuran

Concentration: 11.1 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

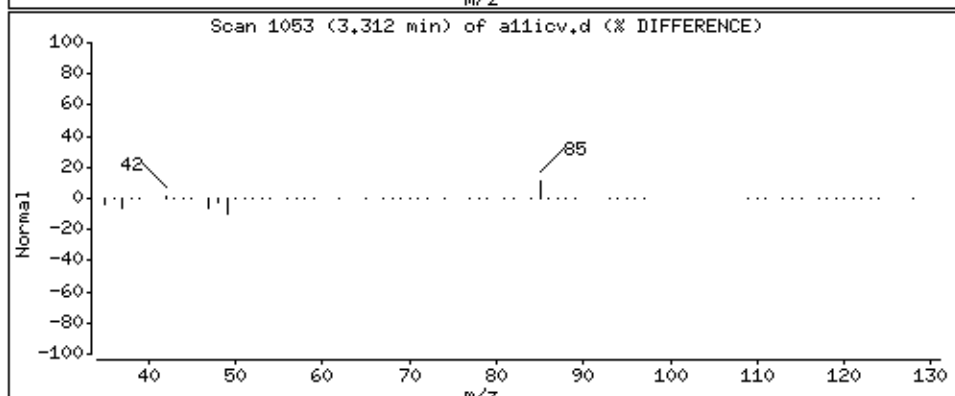
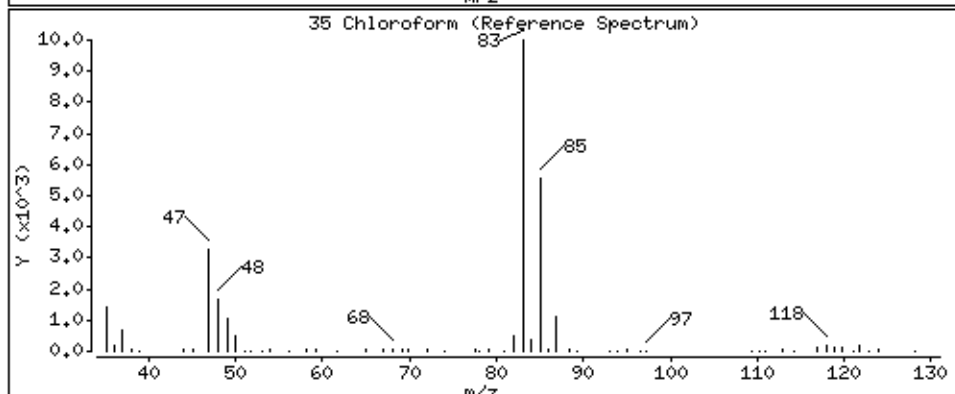
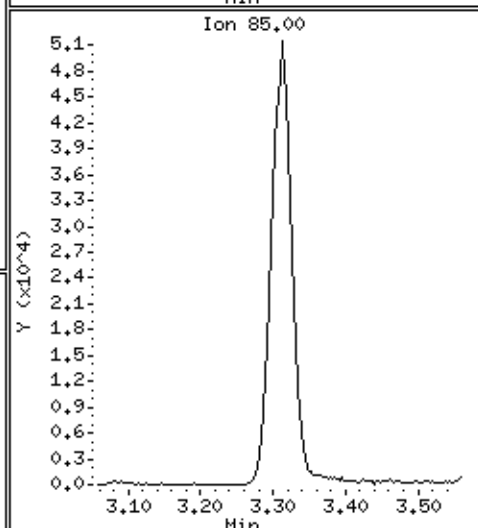
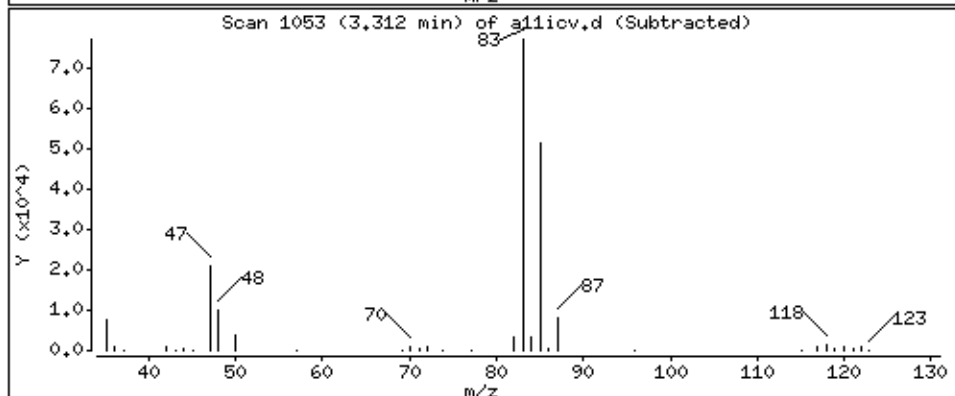
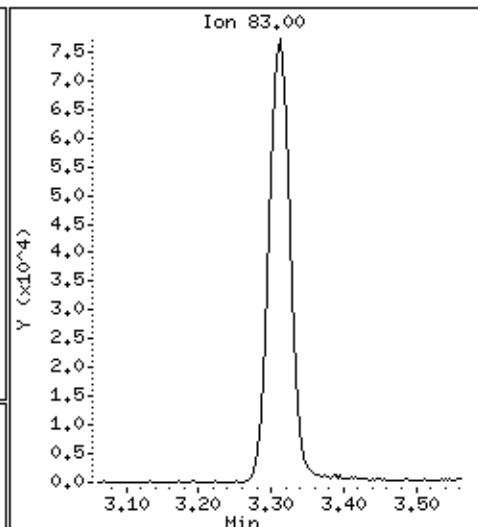
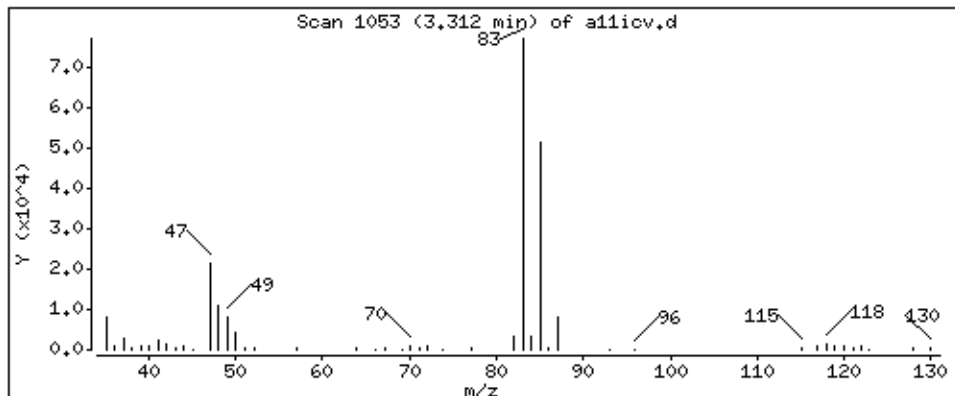
Operator: amv

Column phase: DB-624

Column diameter: 0,18

35 Chloroform

Concentration: 46,3 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

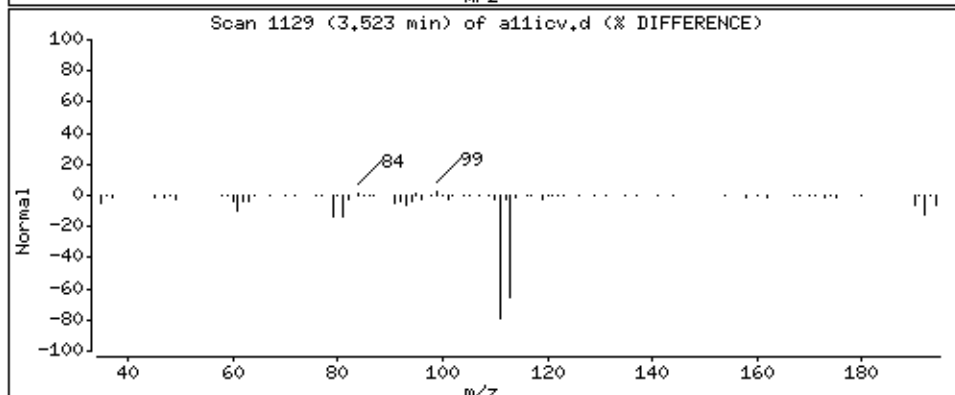
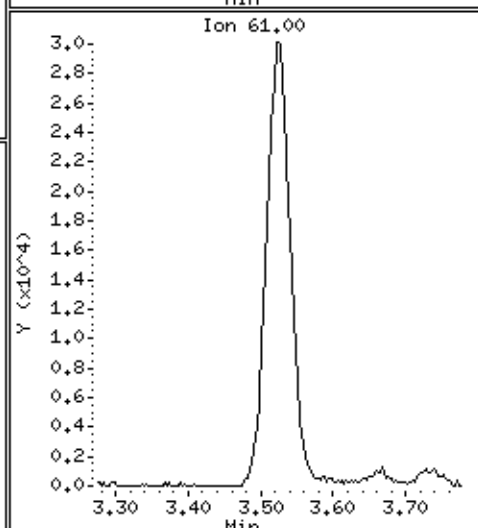
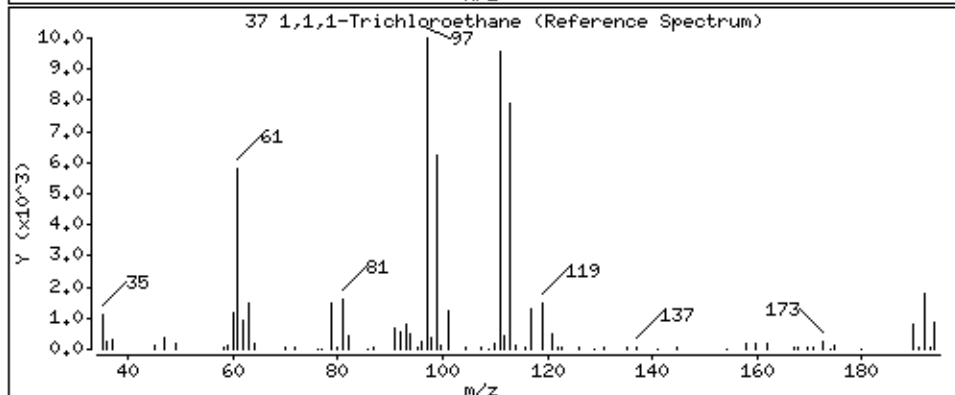
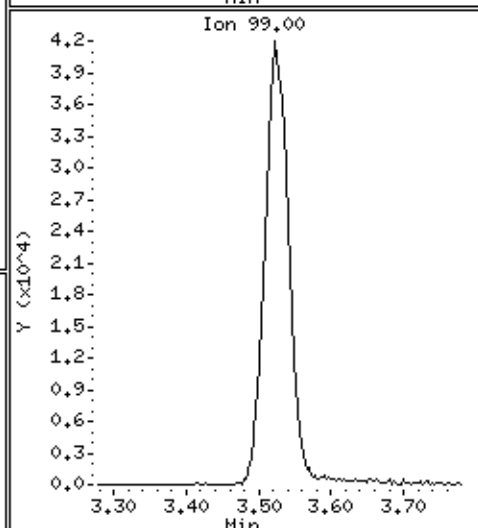
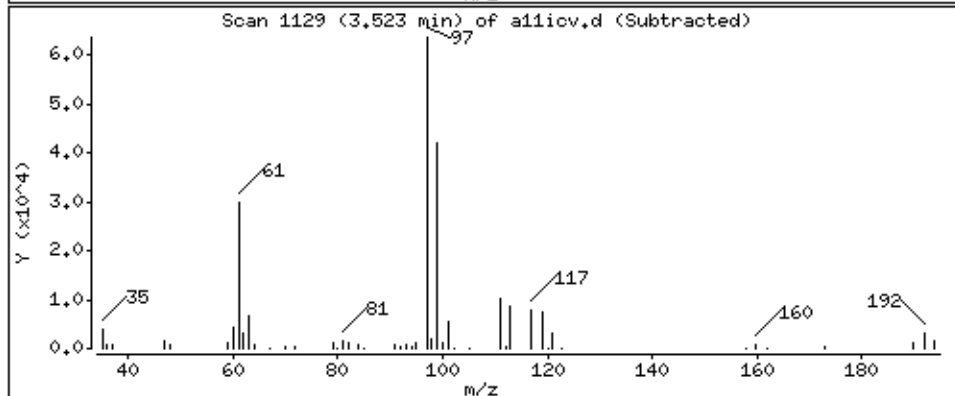
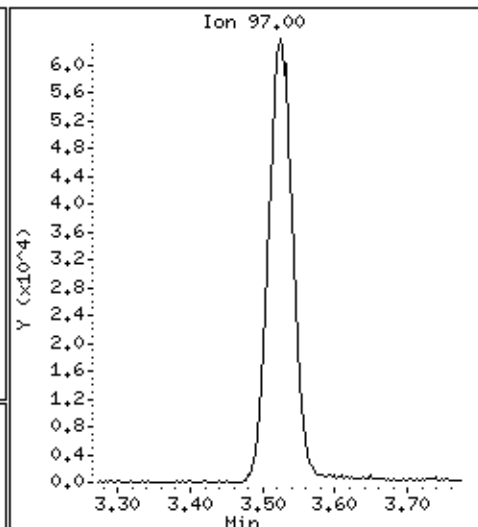
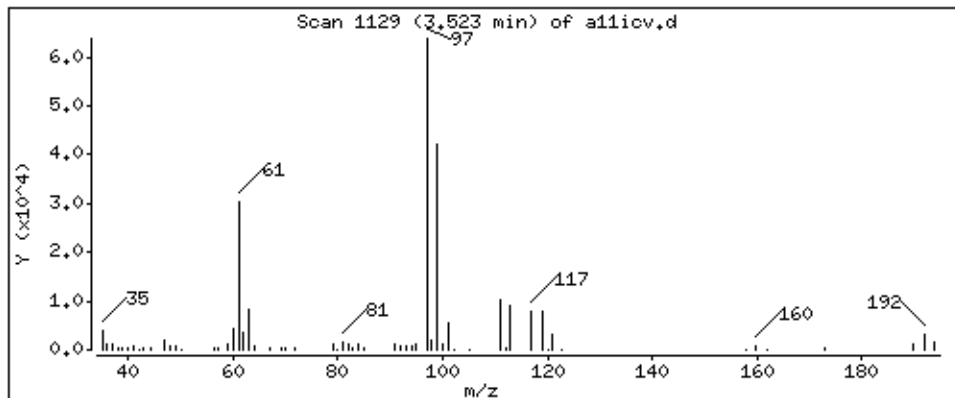
Operator: amv

Column phase: DB-624

Column diameter: 0,18

37 1,1,1-Trichloroethane

Concentration: 50,6 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

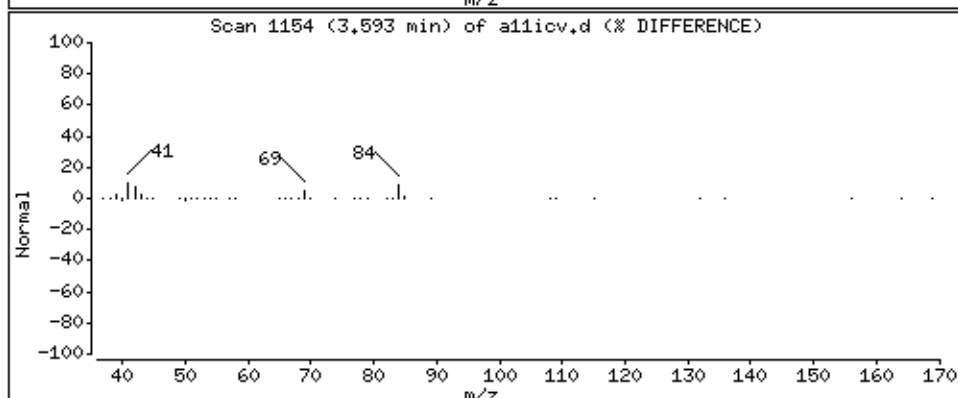
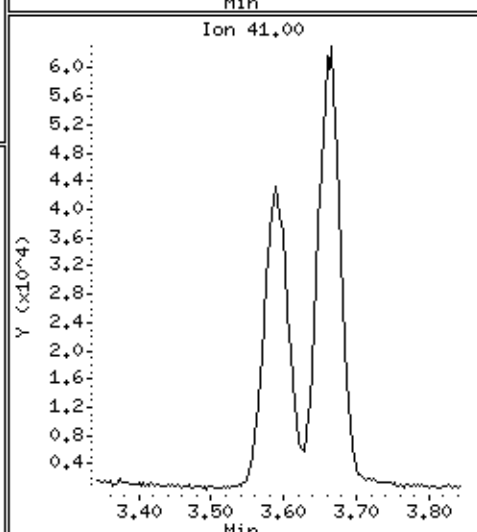
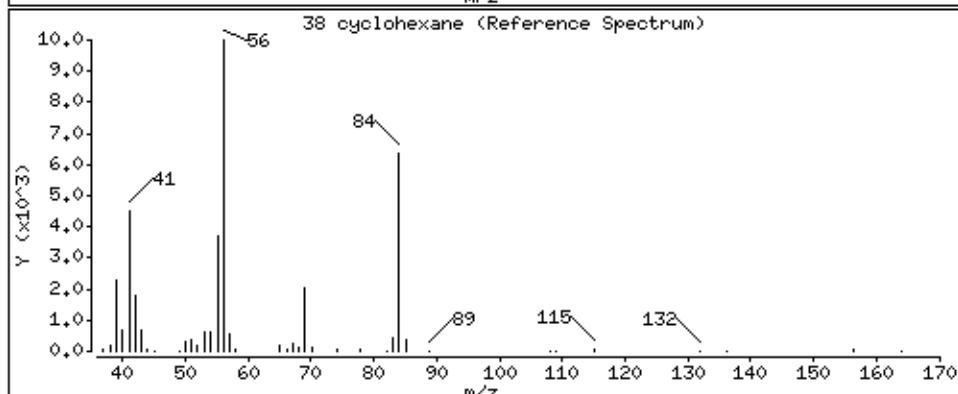
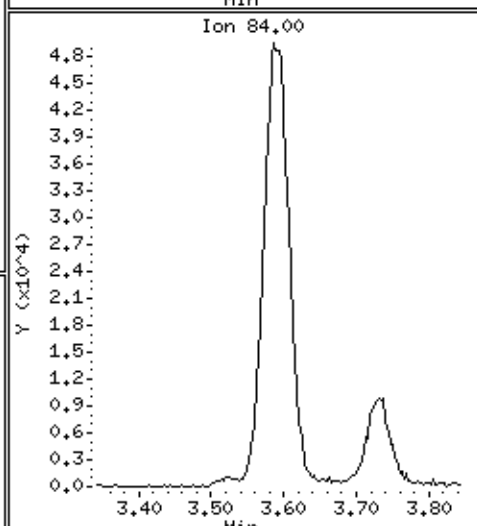
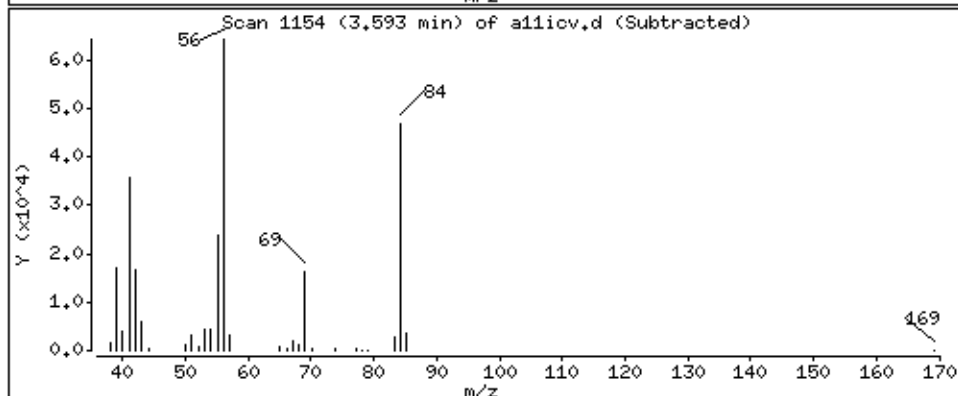
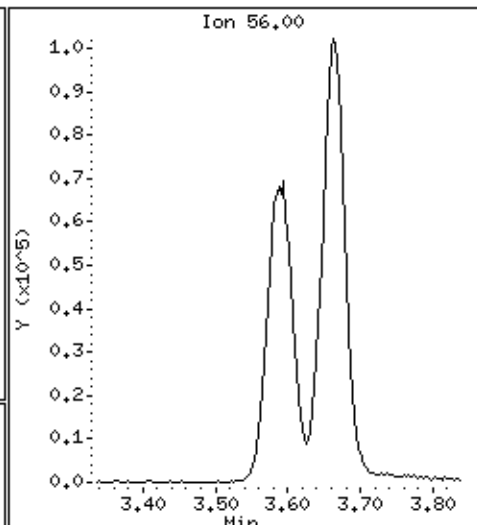
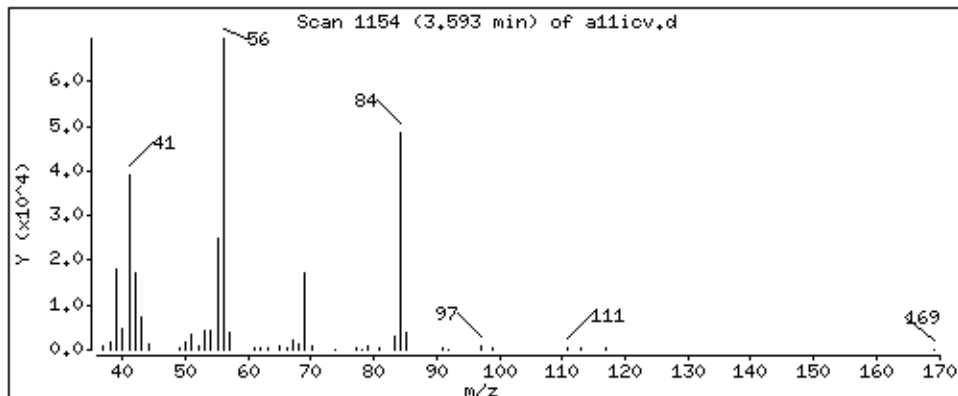
Operator: amv

Column phase: DB-624

Column diameter: 0,18

38 cyclohexane

Concentration: 40,7 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

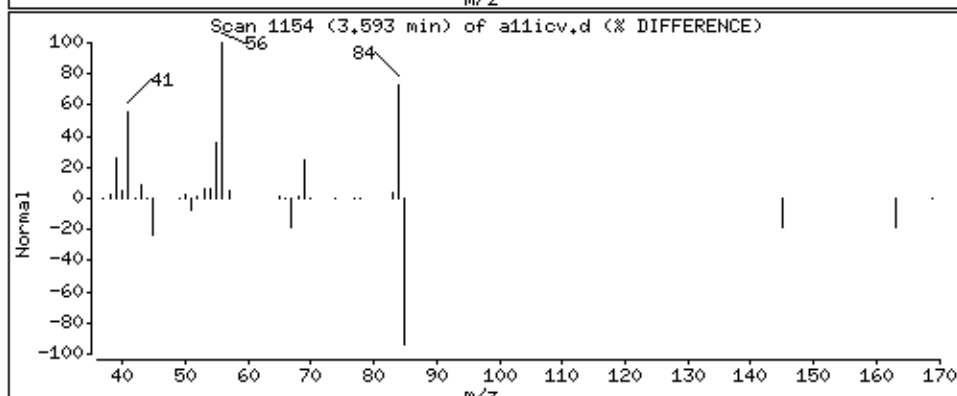
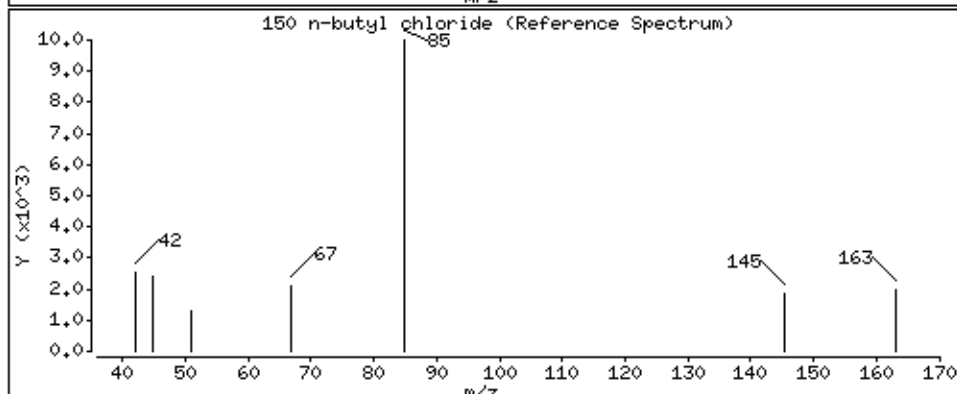
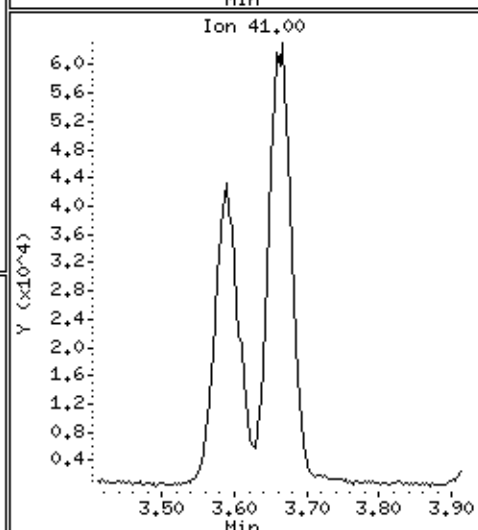
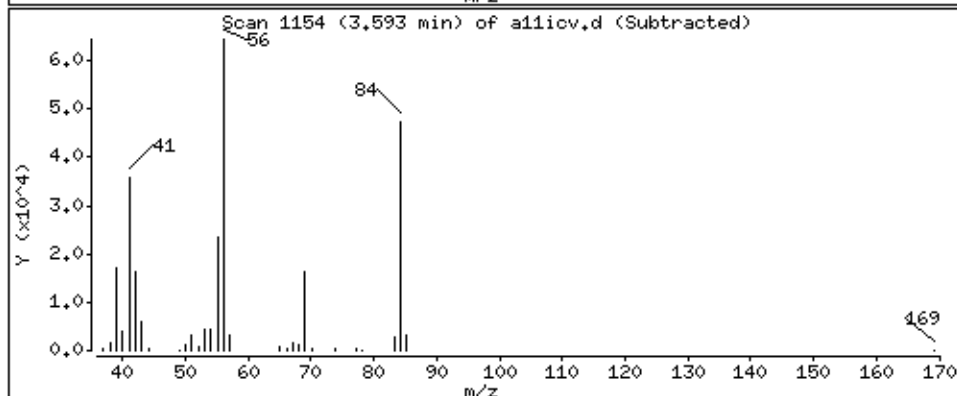
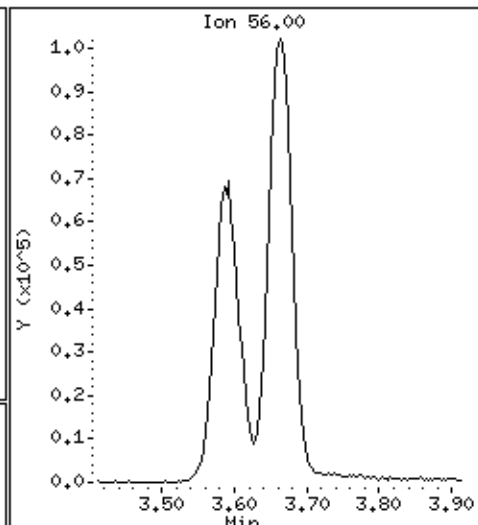
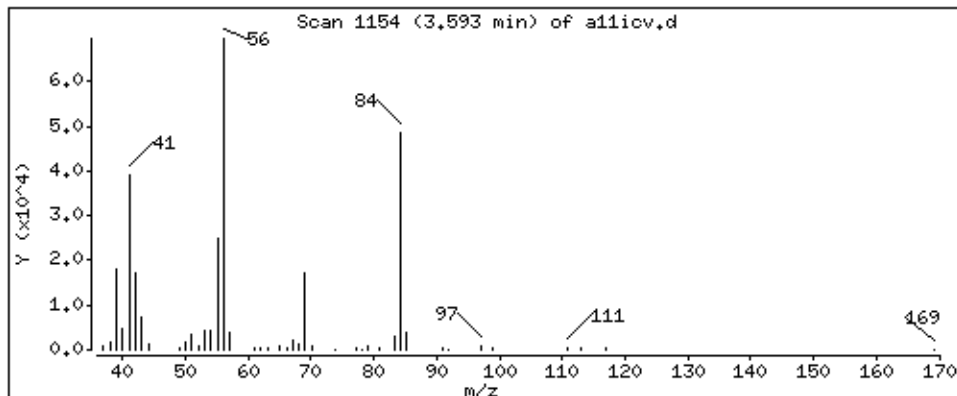
Operator: amv

Column phase: DB-624

Column diameter: 0,18

150 n-butyl chloride

Concentration: 34,5 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

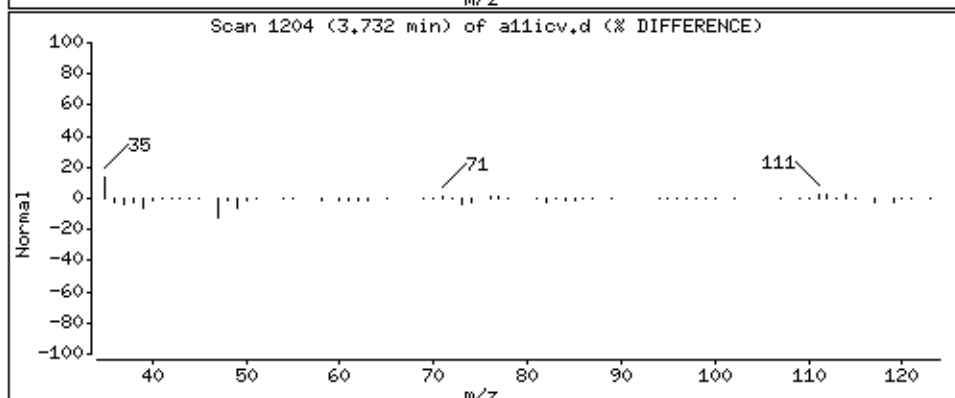
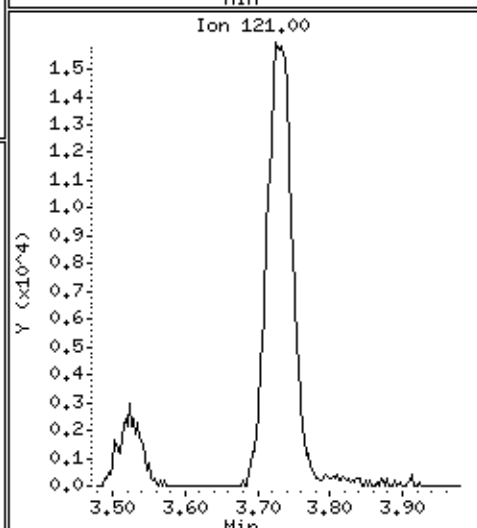
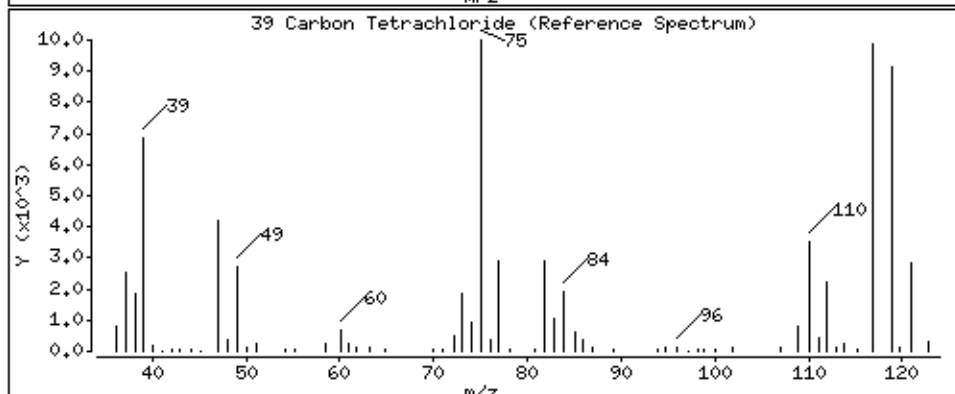
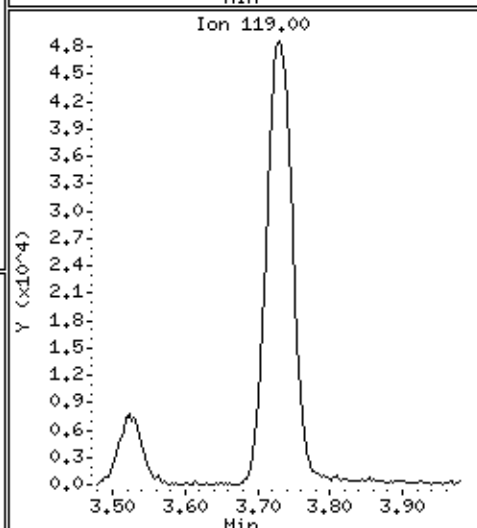
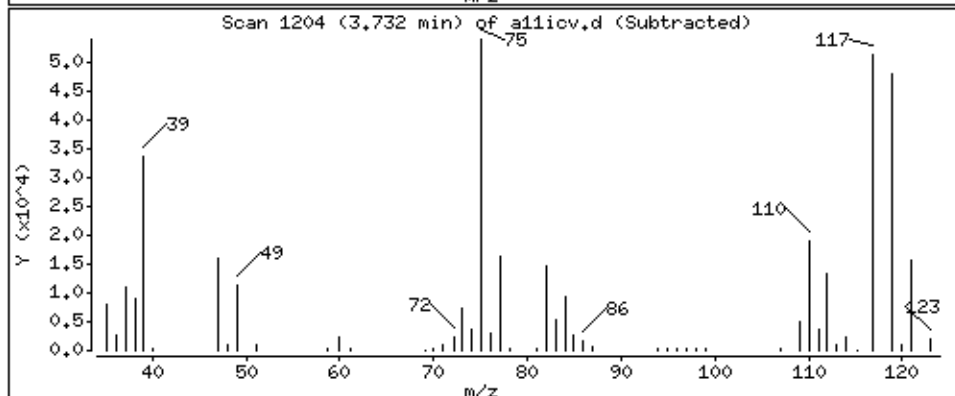
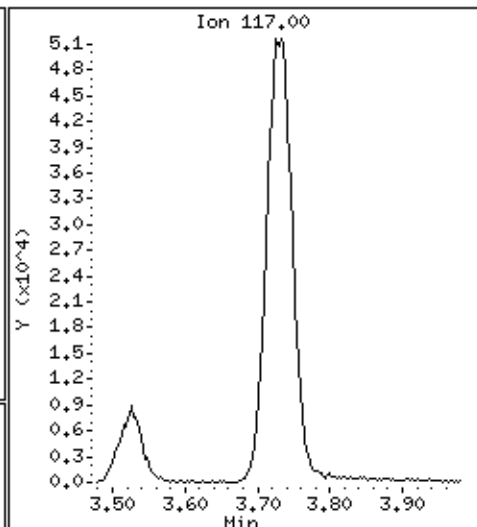
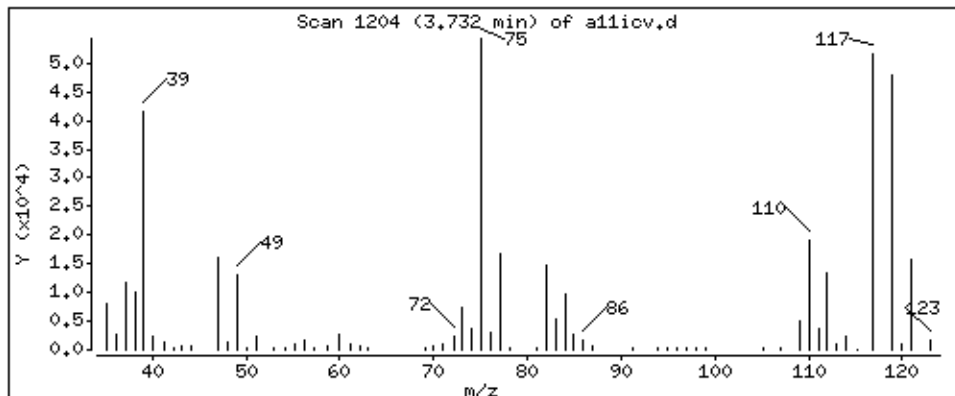
Operator: amv

Column phase: DB-624

Column diameter: 0,18

39 Carbon Tetrachloride

Concentration: 48,8 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

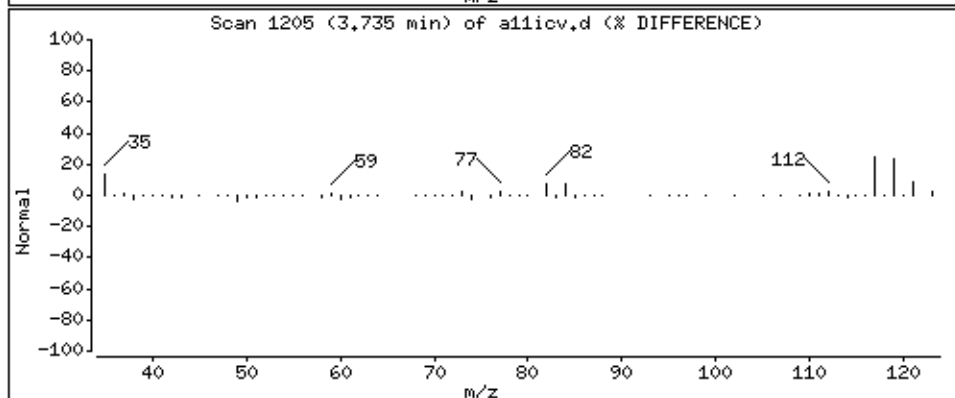
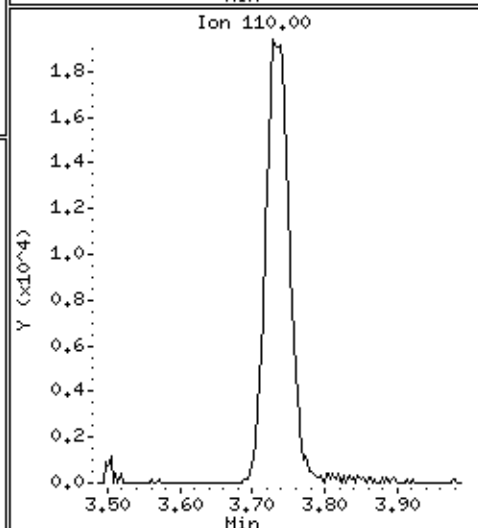
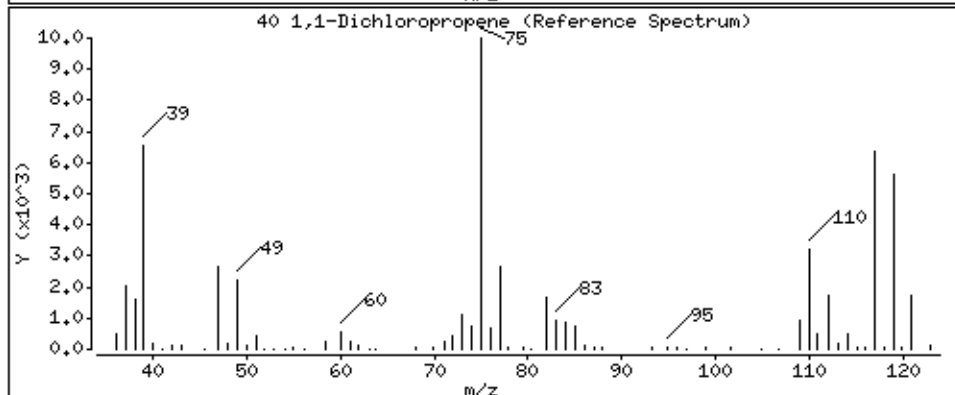
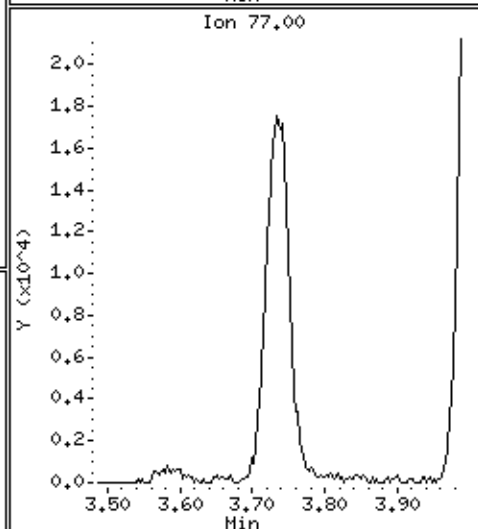
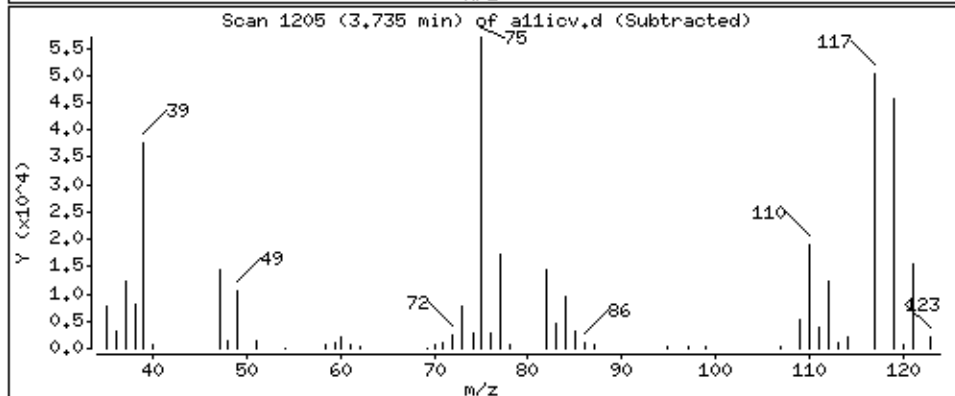
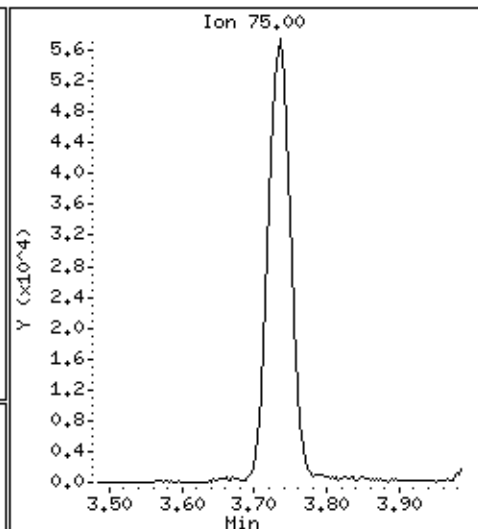
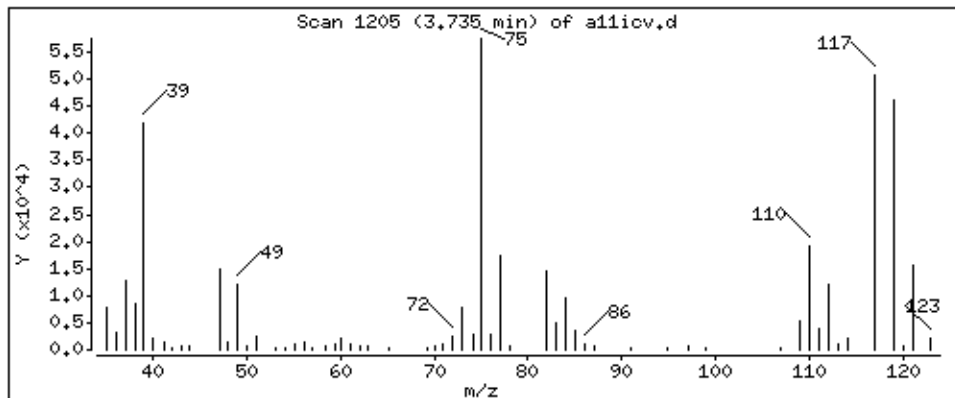
Operator: amv

Column phase: DB-624

Column diameter: 0,18

40 1,1-Dichloropropene

Concentration: 48,9 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

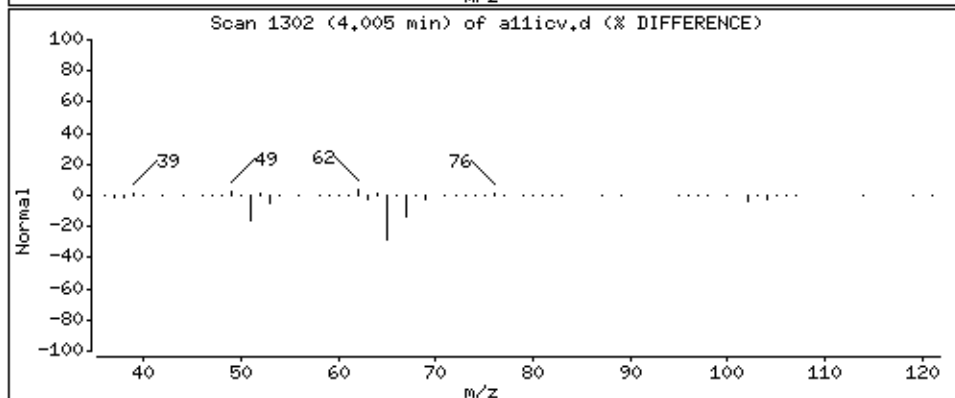
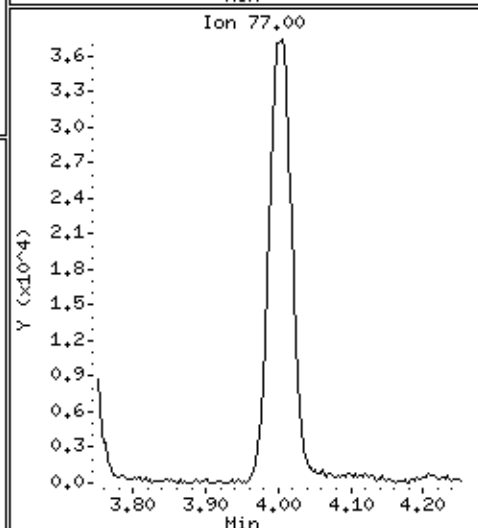
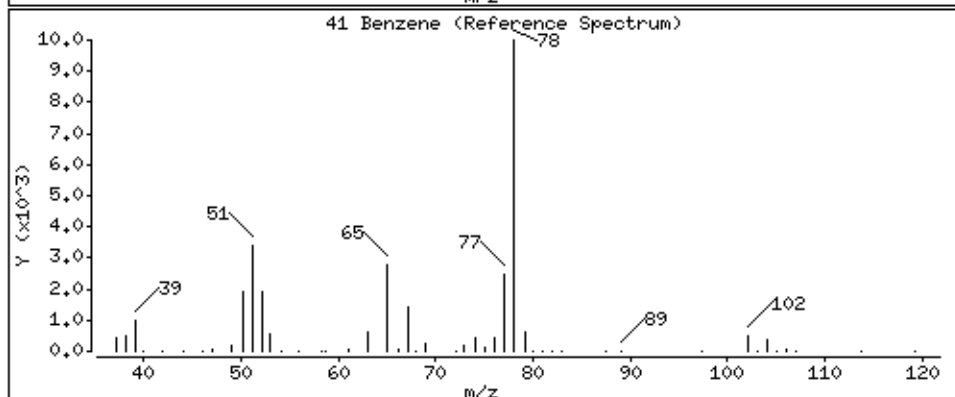
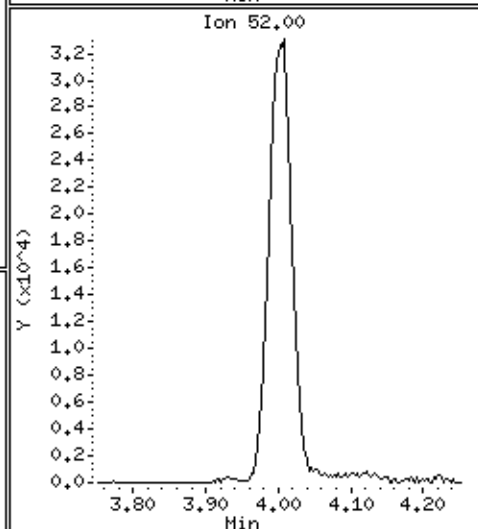
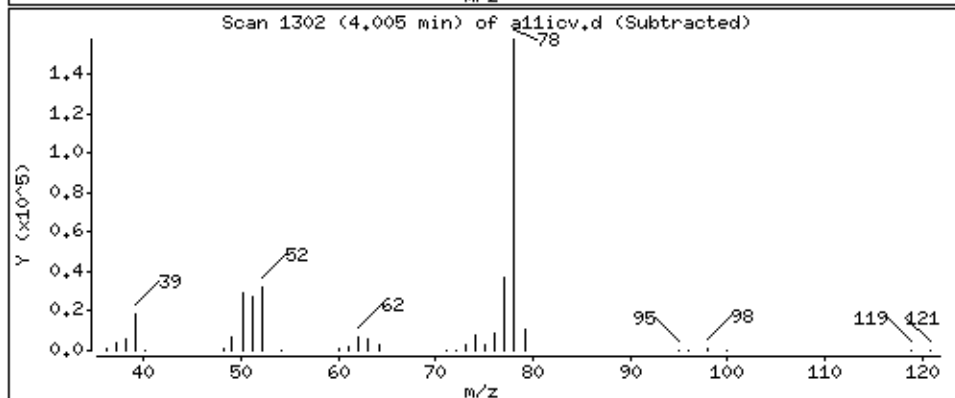
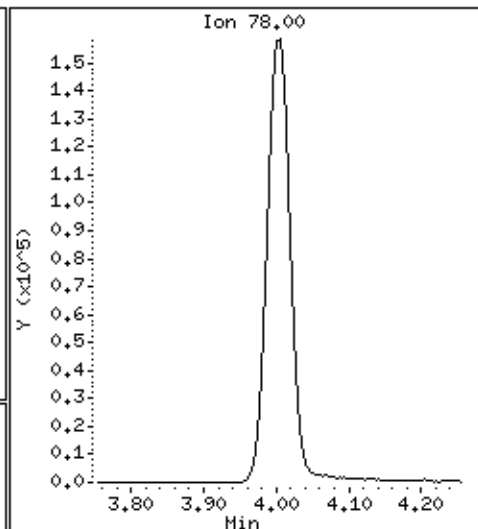
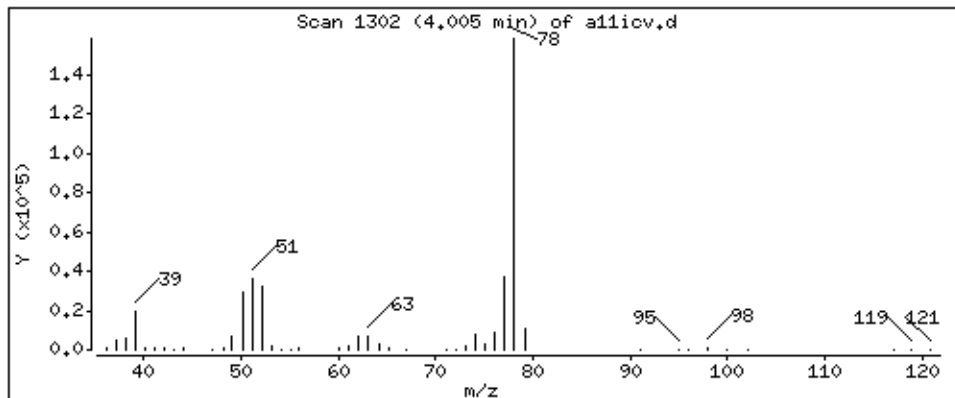
Operator: amv

Column phase: DB-624

Column diameter: 0,18

41 Benzene

Concentration: 48,4 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

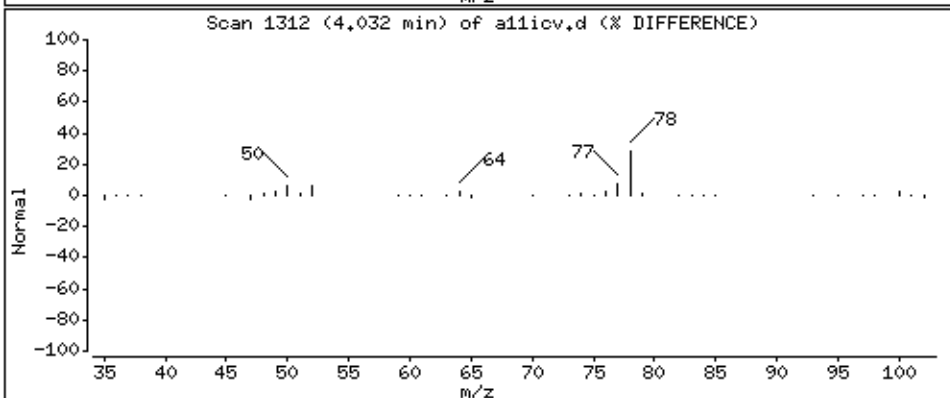
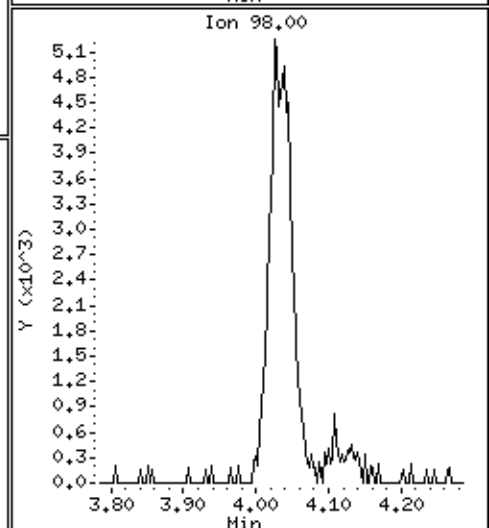
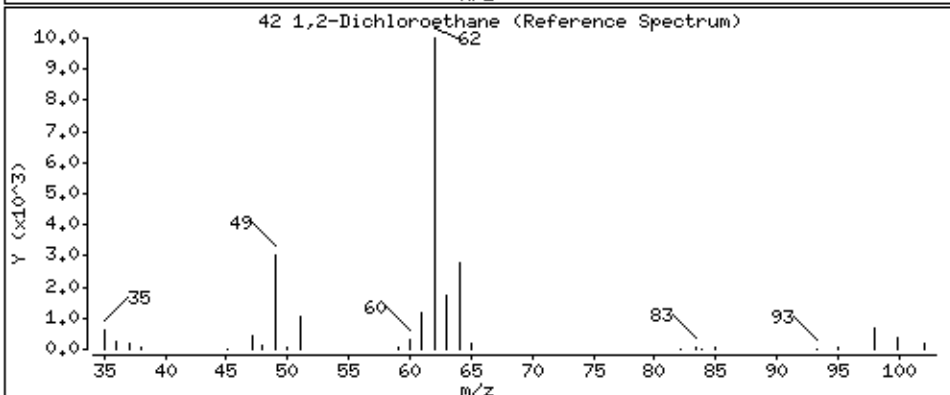
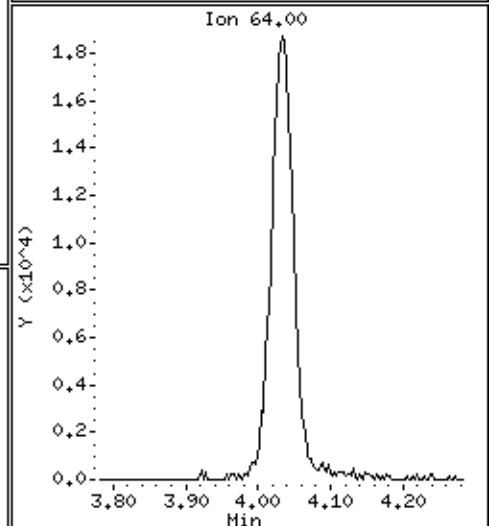
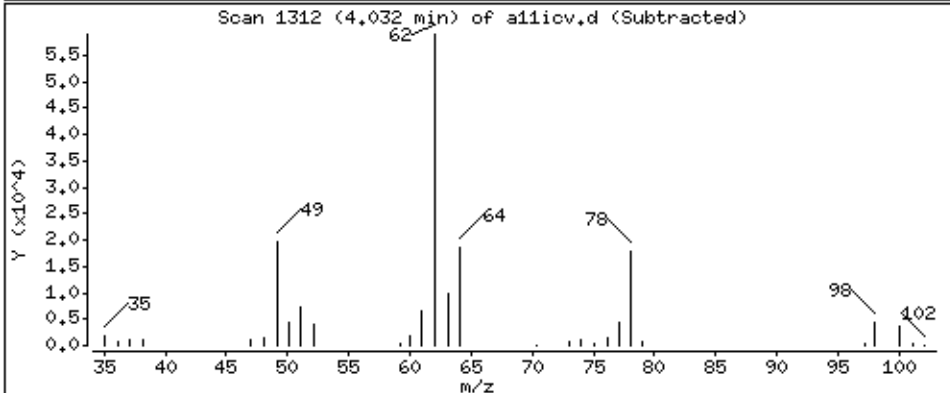
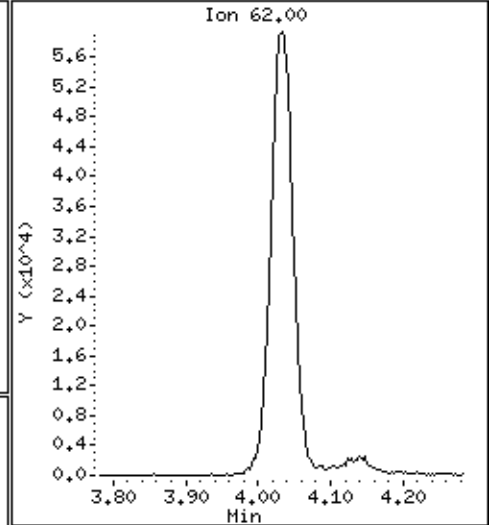
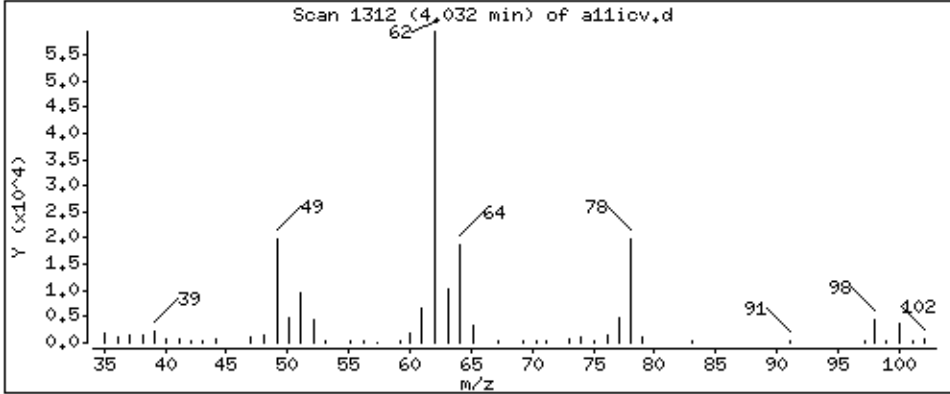
Operator: amv

Column phase: DB-624

Column diameter: 0,18

42 1,2-Dichloroethane

Concentration: 48,2 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

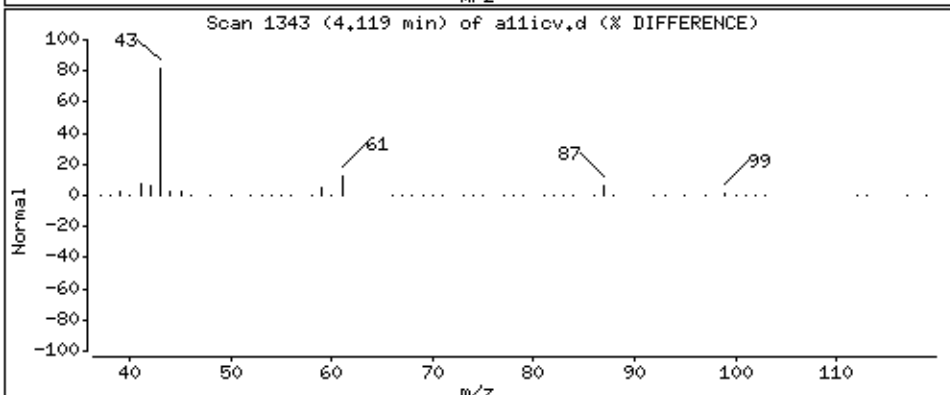
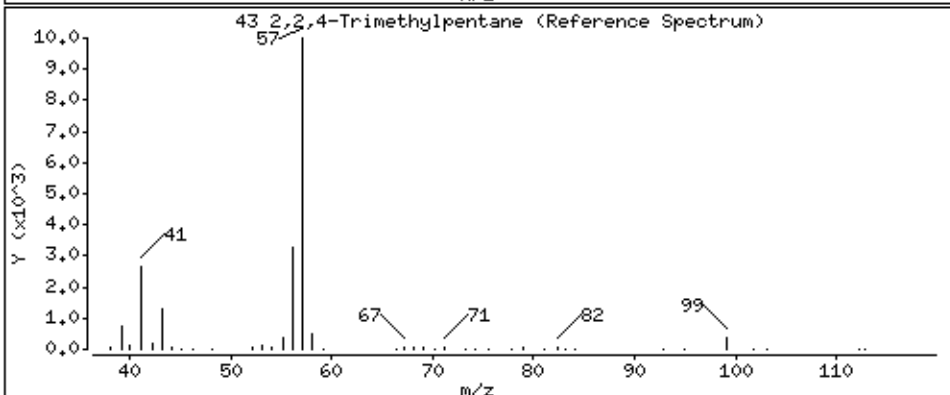
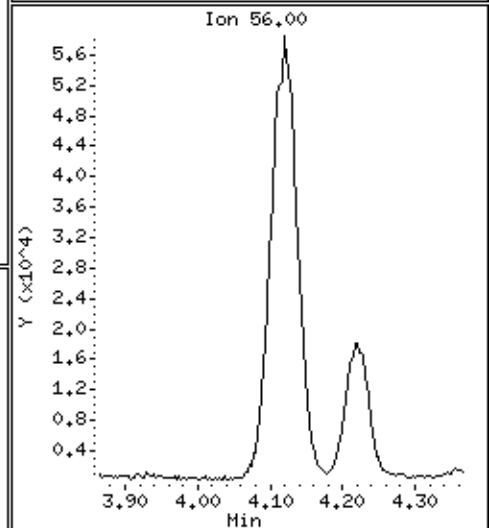
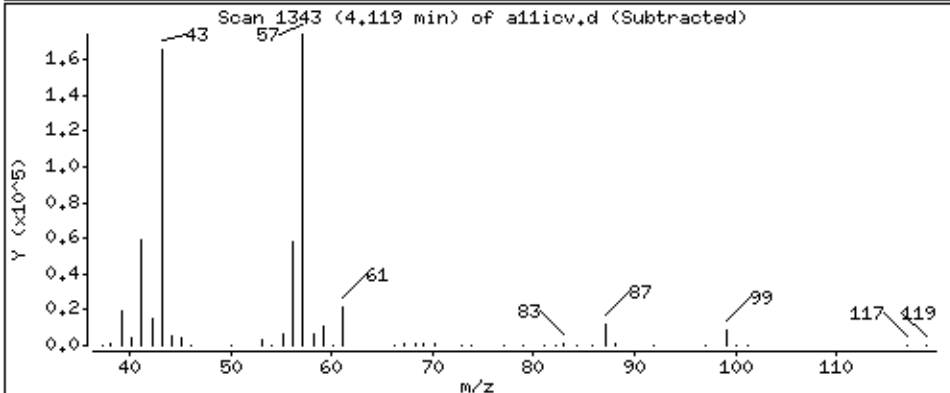
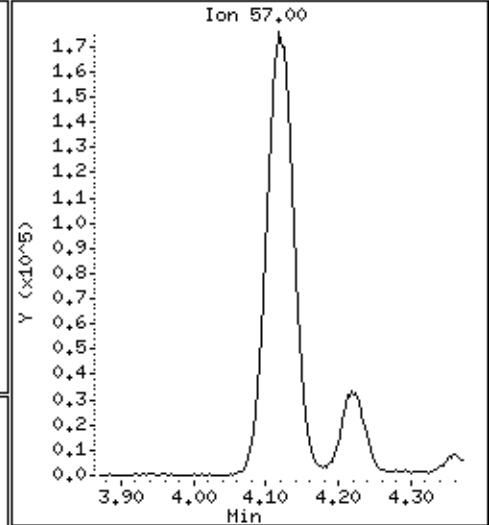
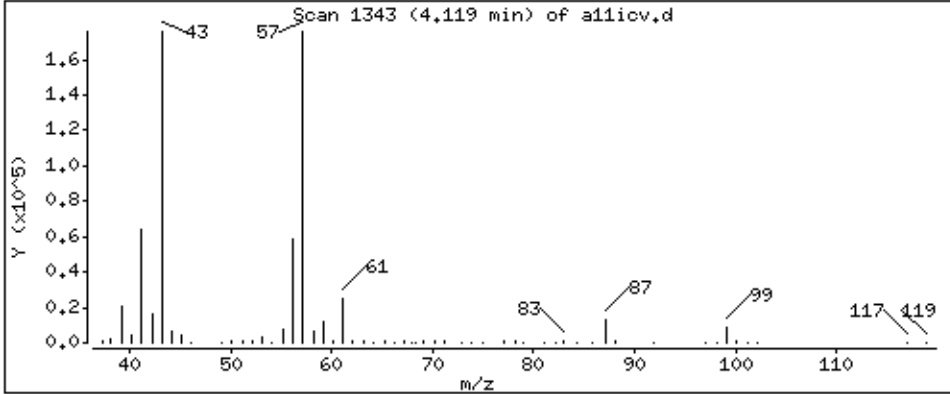
Operator: amv

Column phase: DB-624

Column diameter: 0,18

43 2,2,4-Trimethylpentane

Concentration: 55,4 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

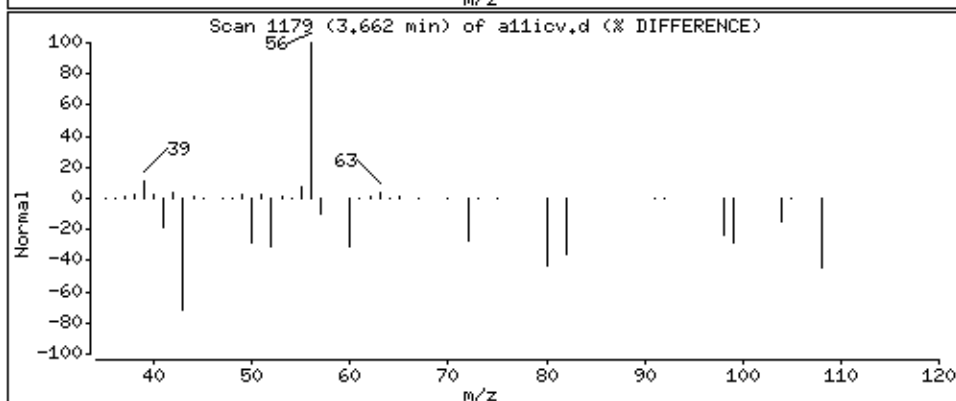
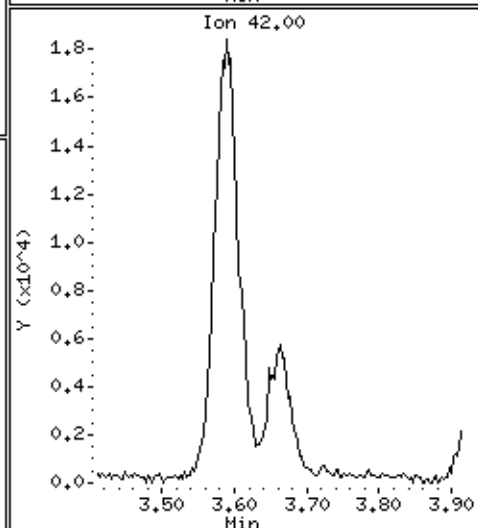
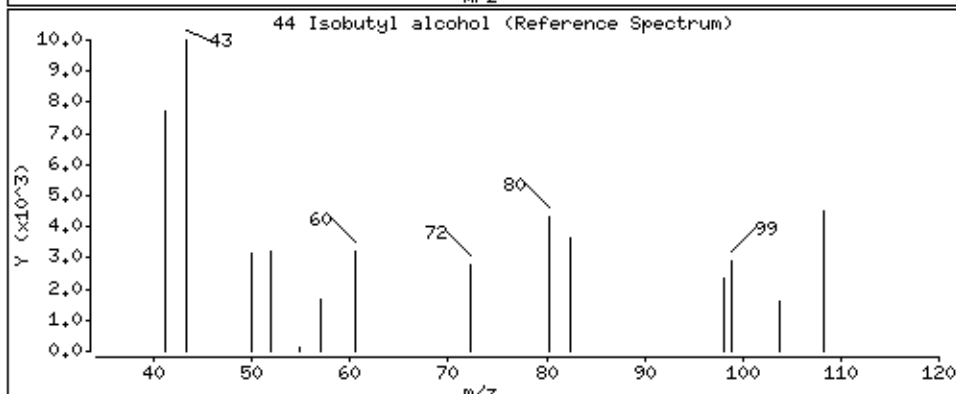
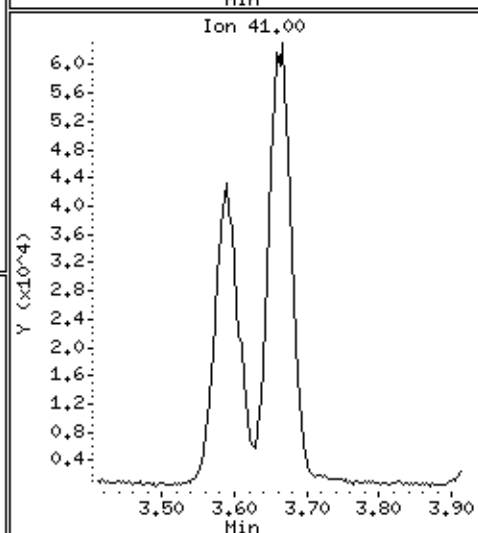
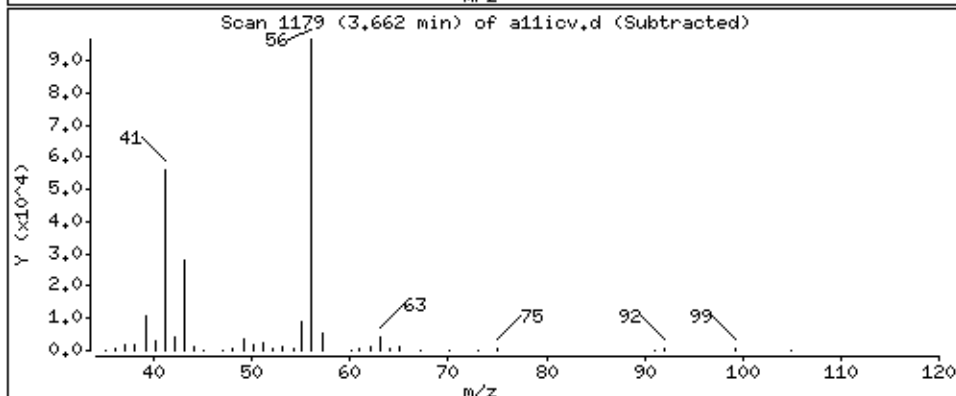
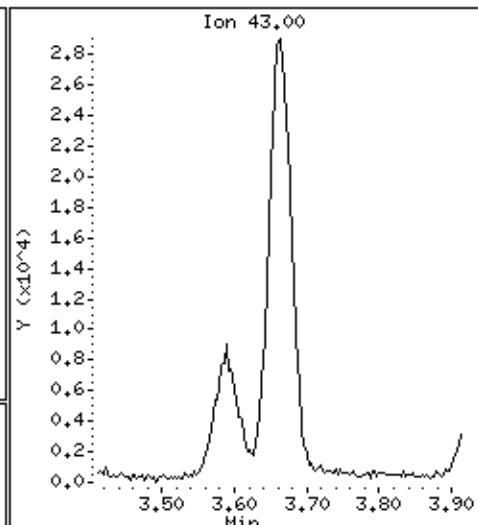
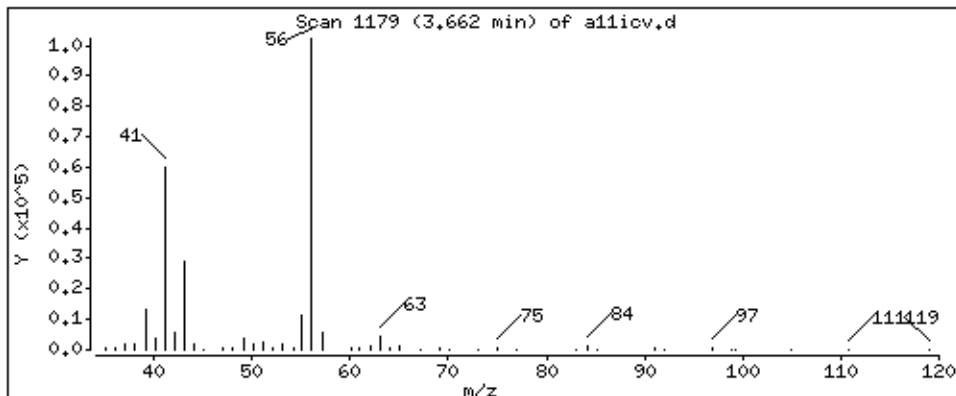
Operator: amv

Column phase: DB-624

Column diameter: 0,18

44 Isobutyl alcohol

Concentration: 1260 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

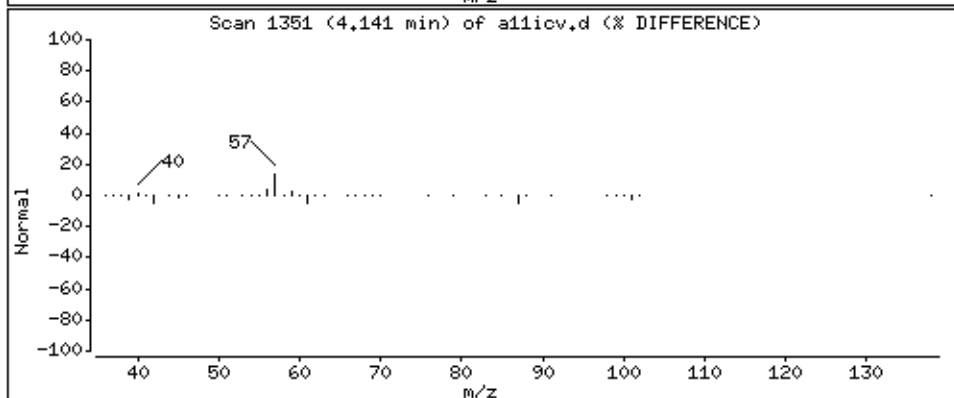
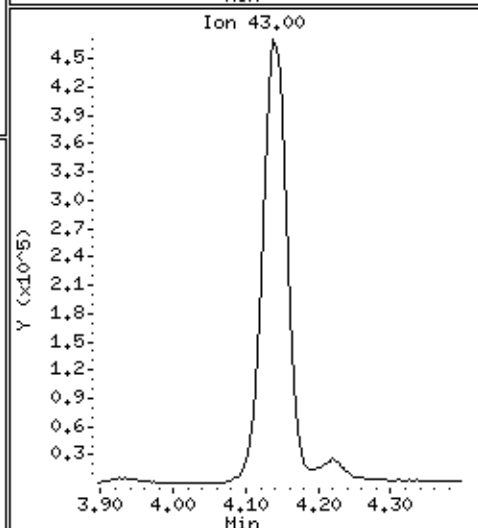
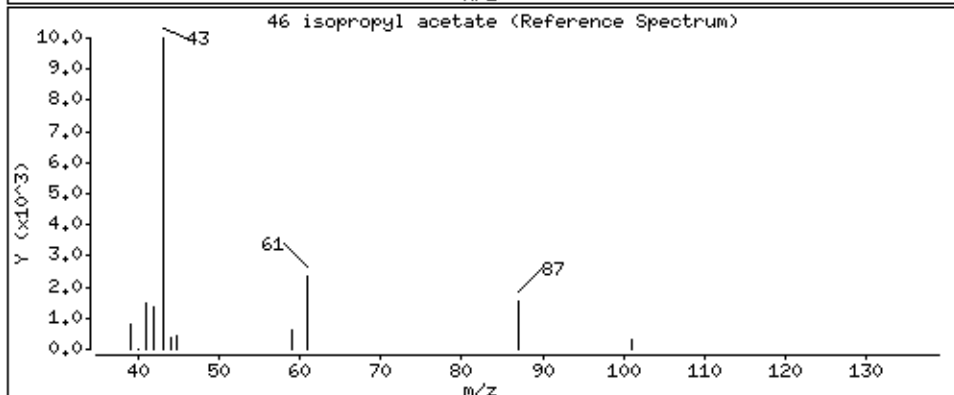
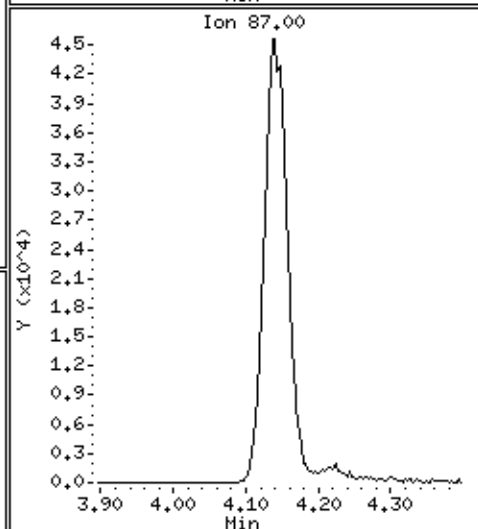
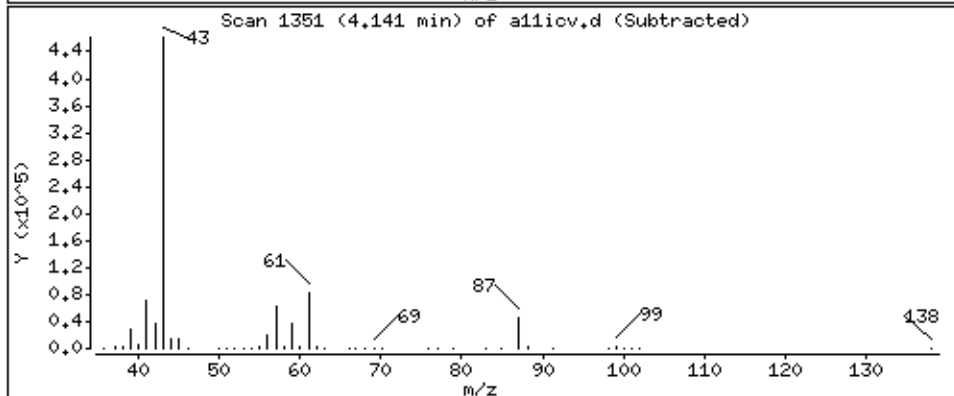
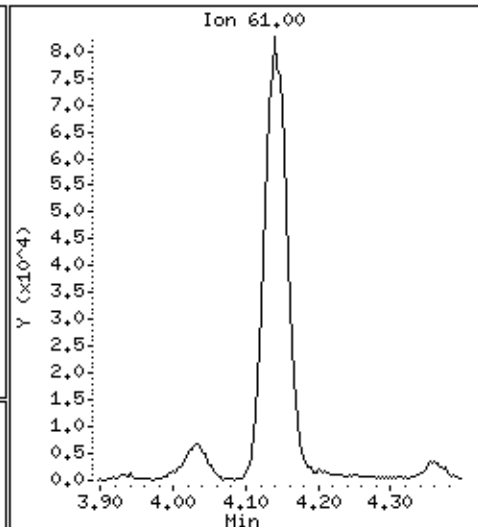
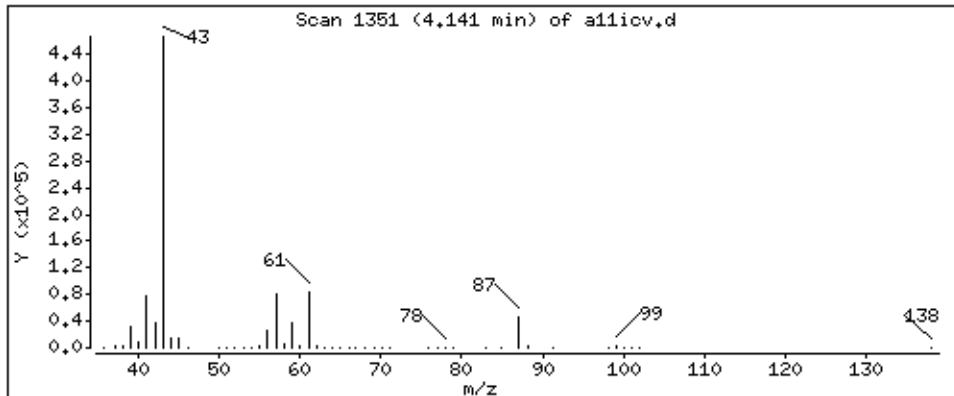
Operator: amv

Column phase: DB-624

Column diameter: 0,18

46 isopropyl acetate

Concentration: 255 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

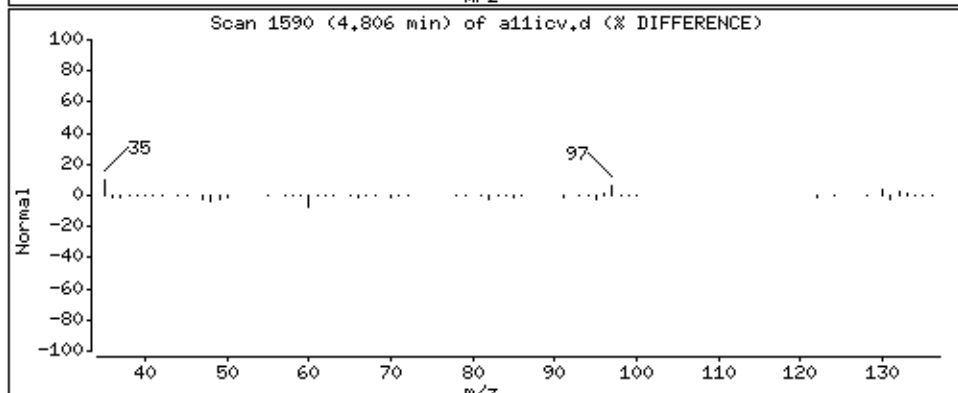
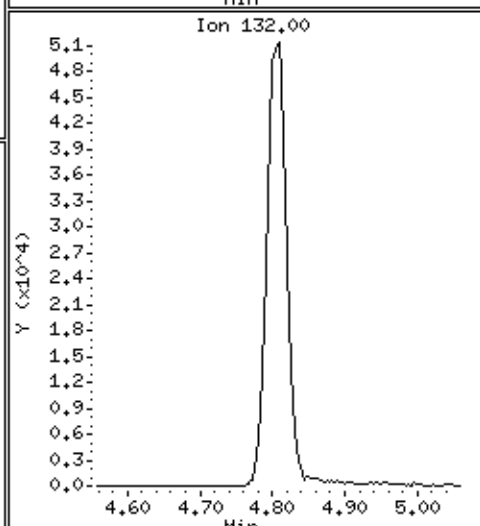
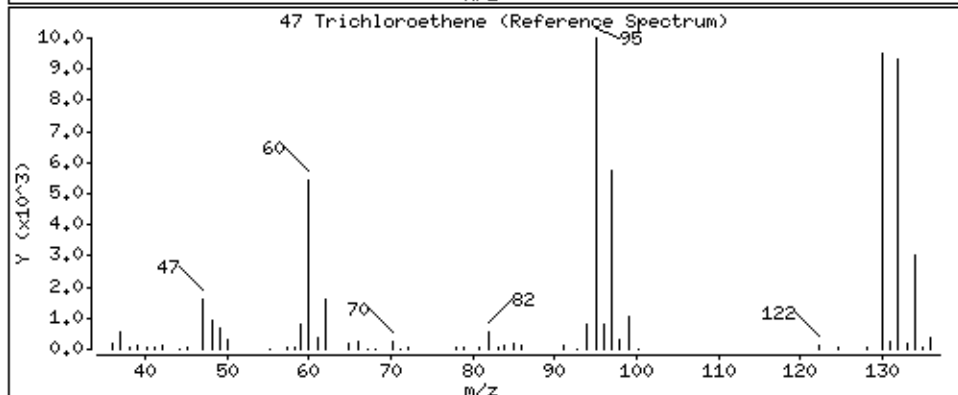
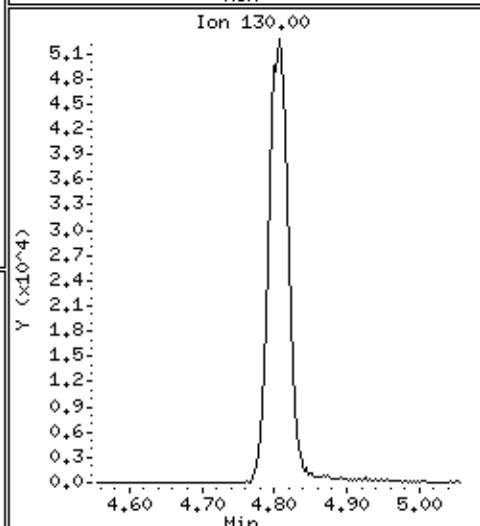
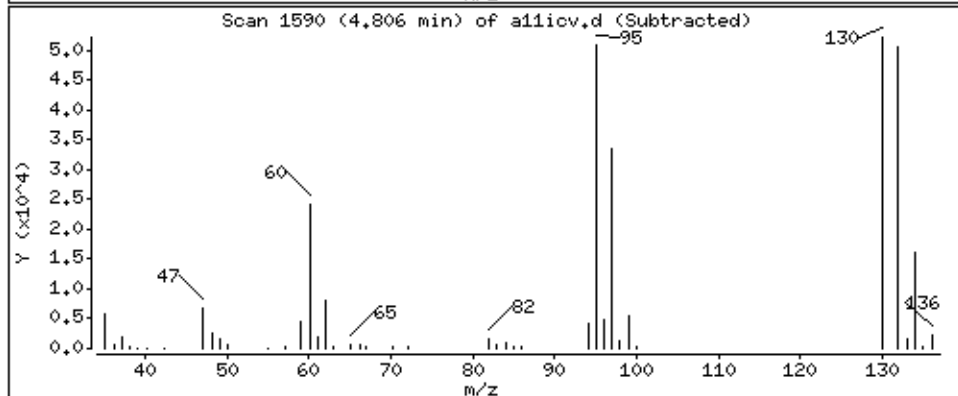
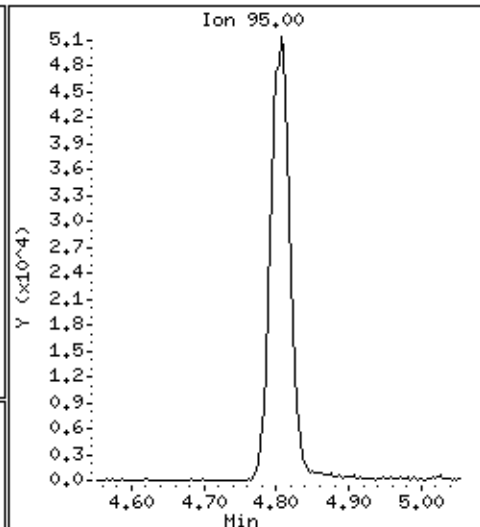
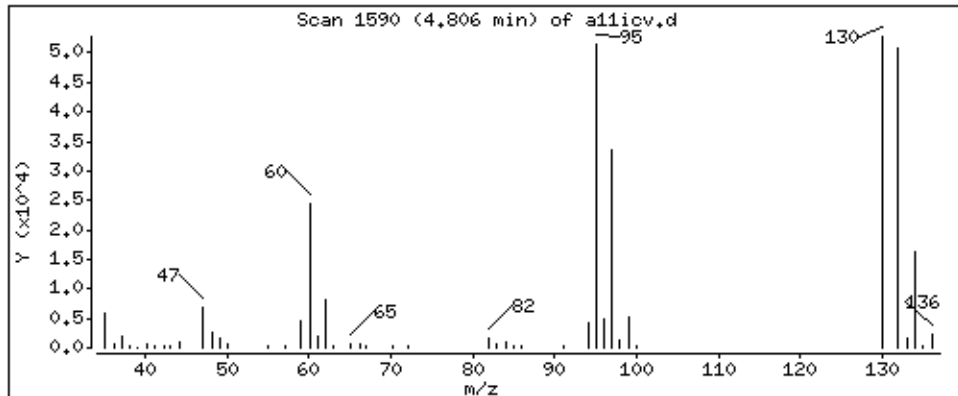
Operator: amv

Column phase: DB-624

Column diameter: 0,18

47 Trichloroethene

Concentration: 48,2 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

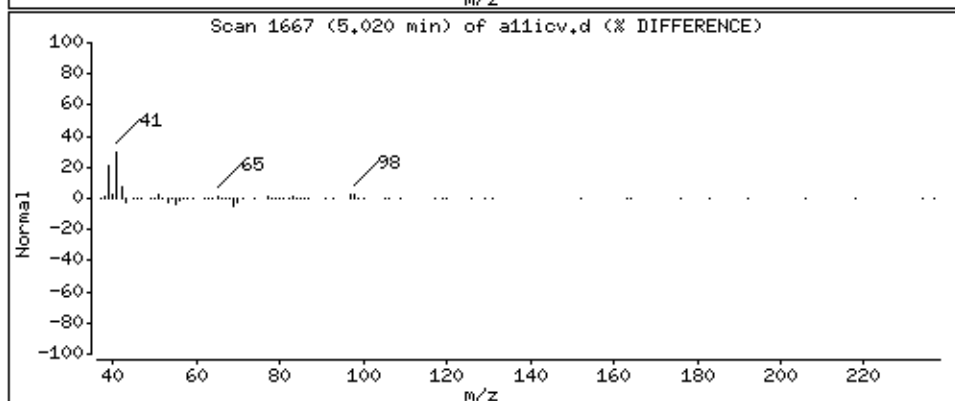
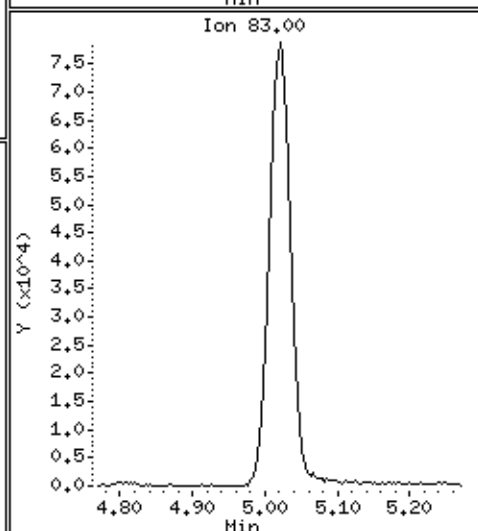
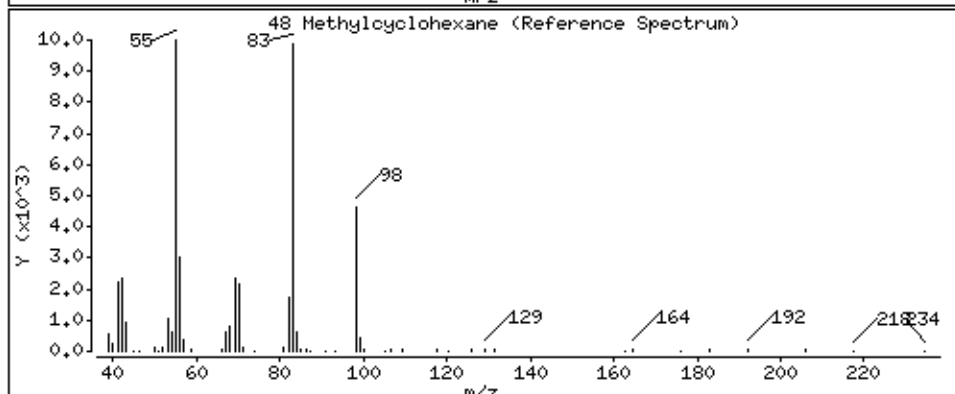
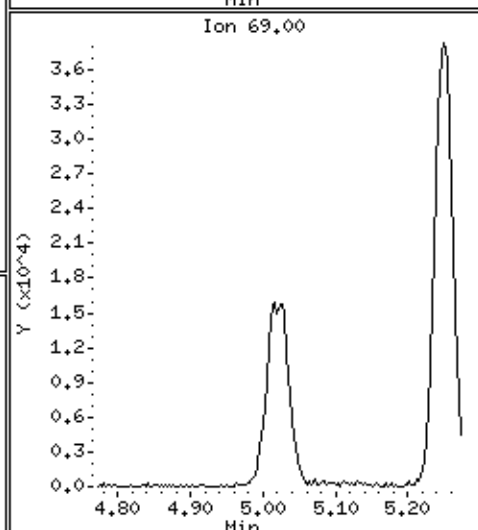
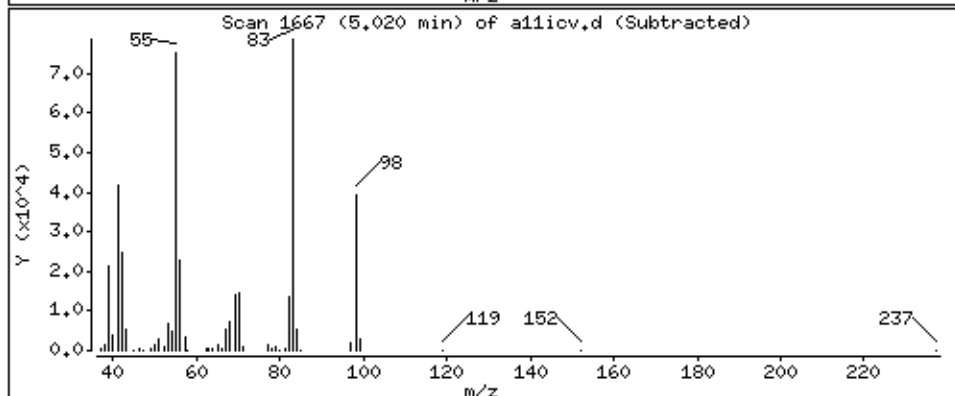
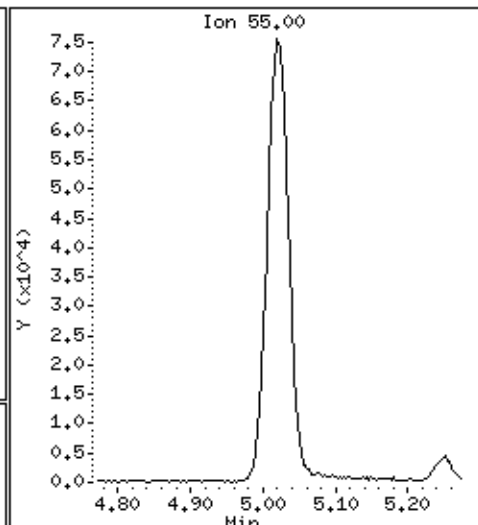
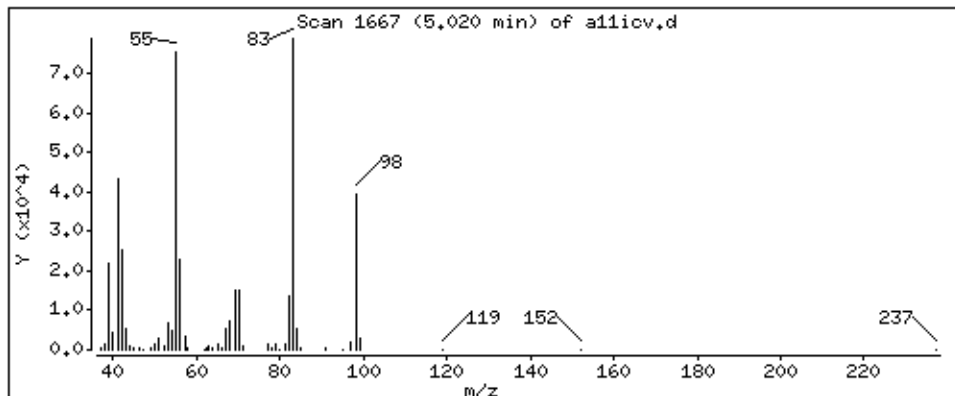
Operator: amv

Column phase: DB-624

Column diameter: 0,18

48 Methylcyclohexane

Concentration: 45,0 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

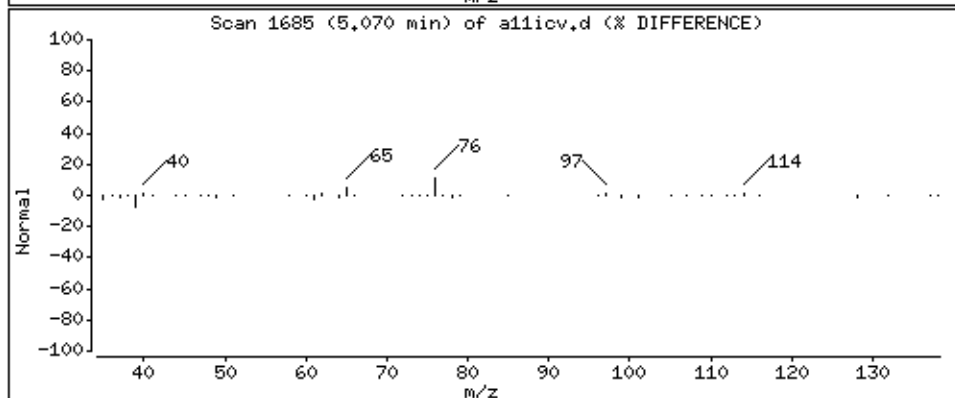
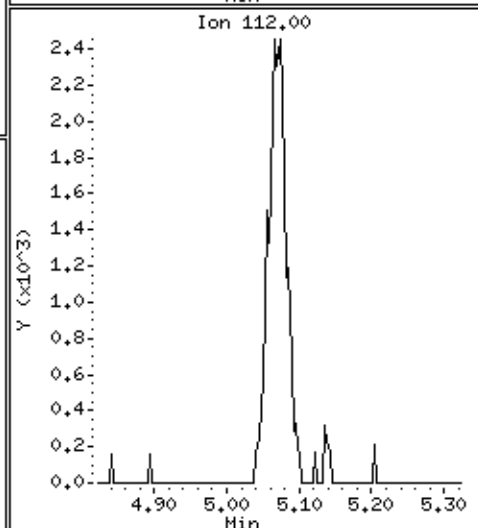
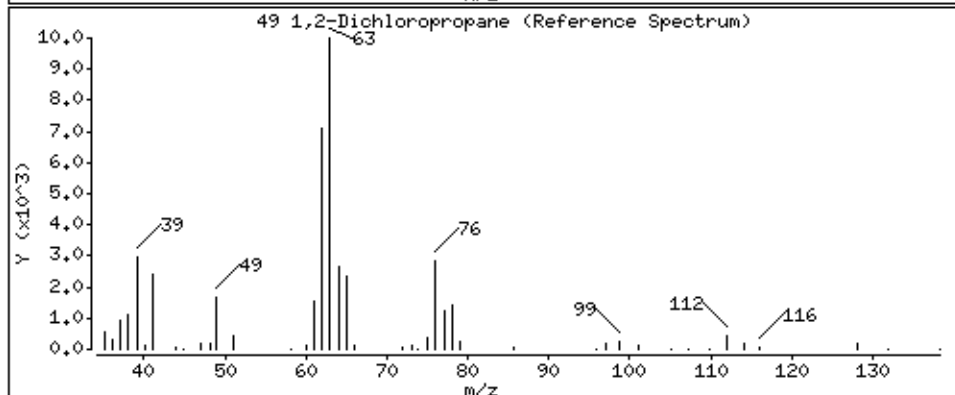
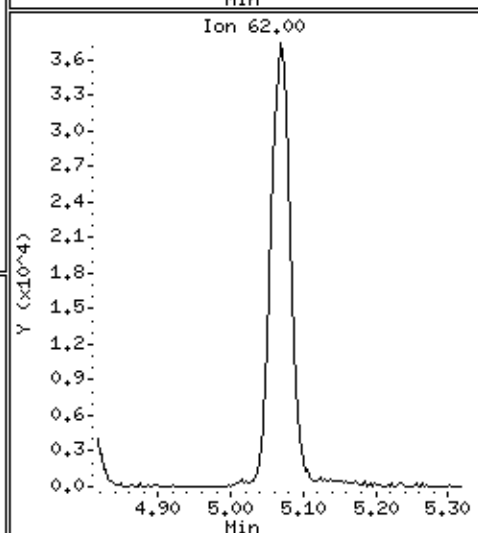
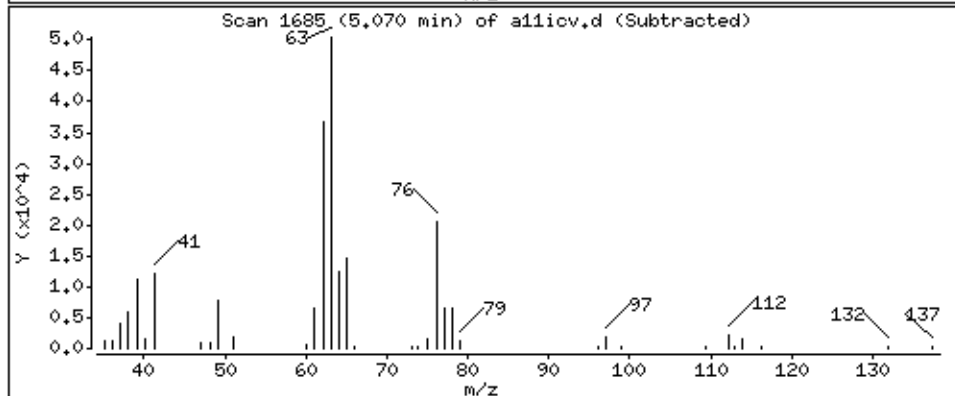
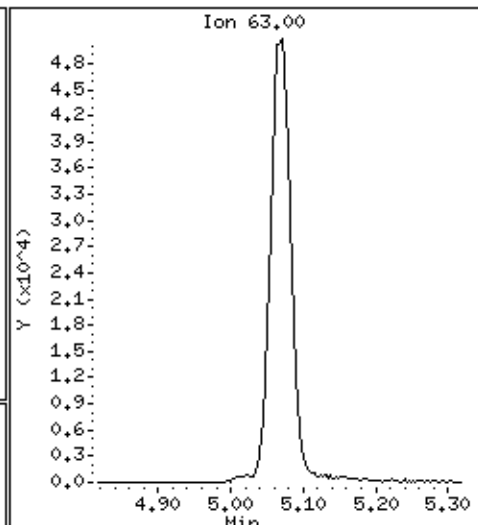
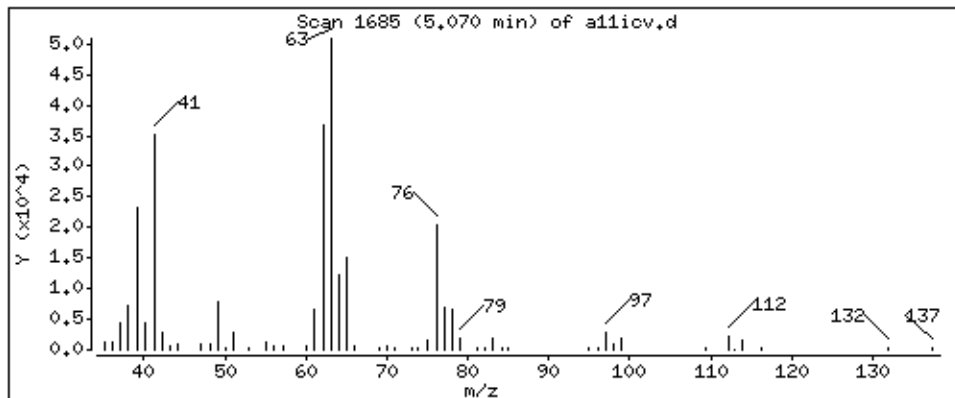
Operator: amv

Column phase: DB-624

Column diameter: 0,18

49 1,2-Dichloropropane

Concentration: 51.1 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

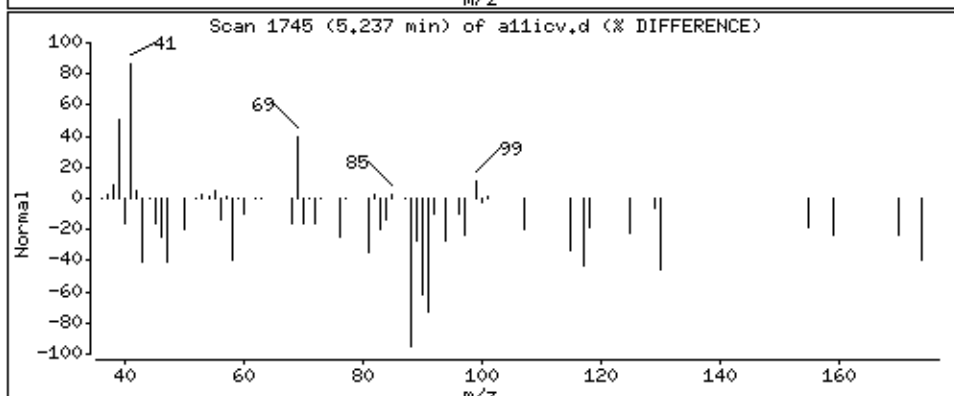
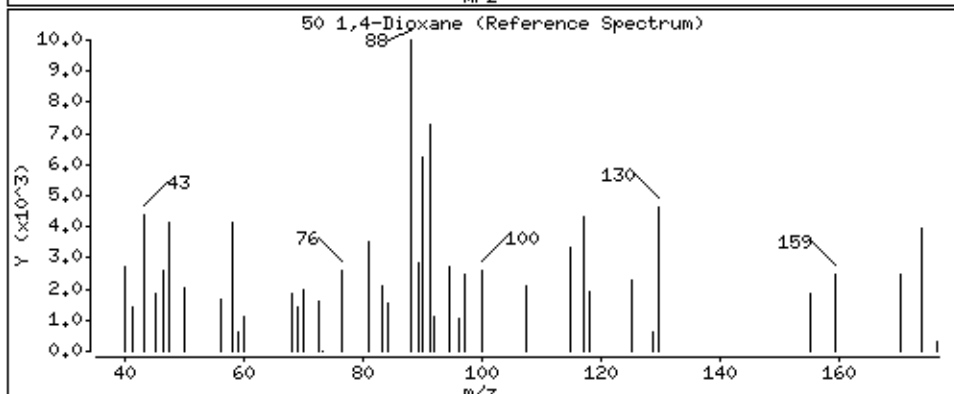
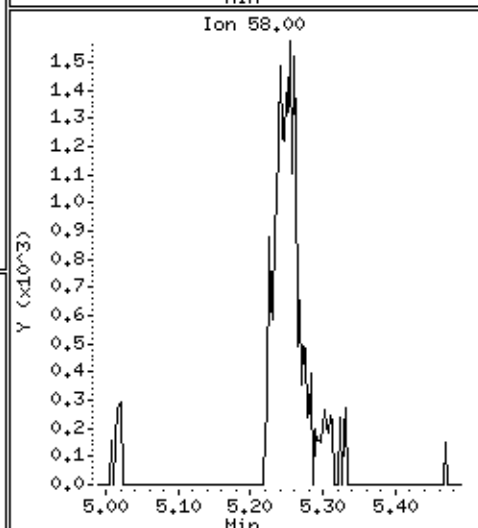
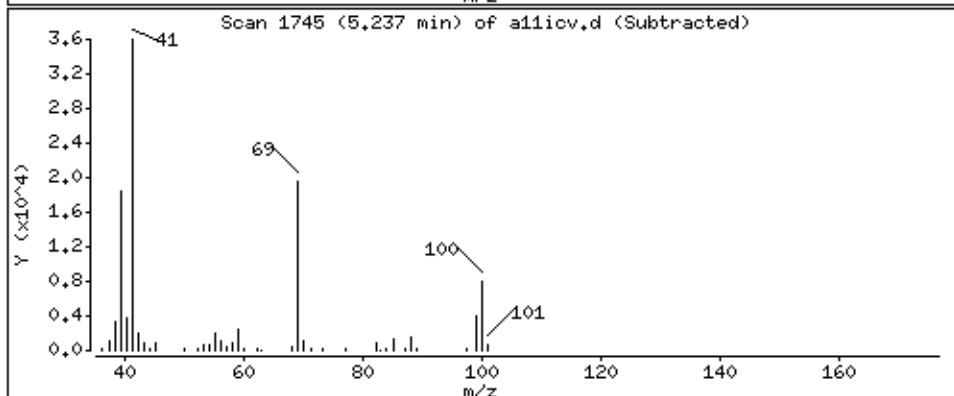
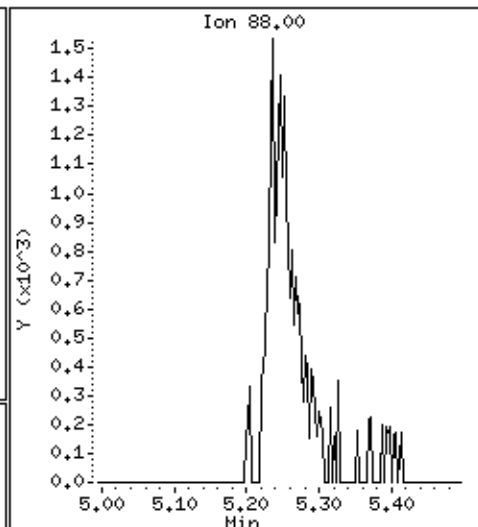
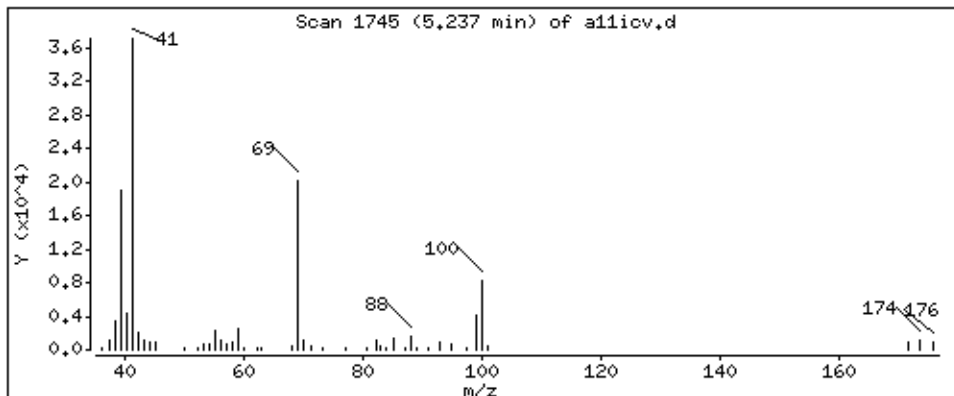
Operator: amv

Column phase: DB-624

Column diameter: 0,18

50 1,4-Dioxane

Concentration: 588 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

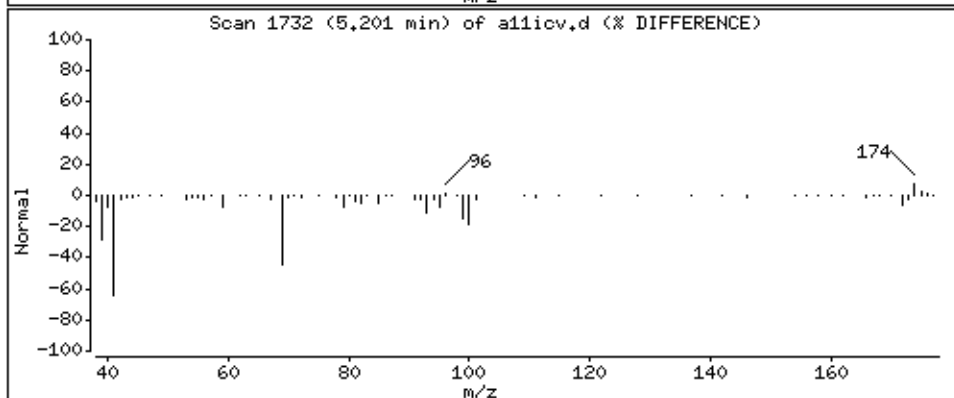
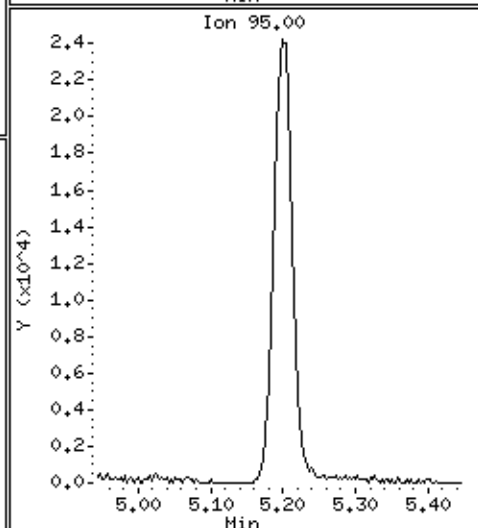
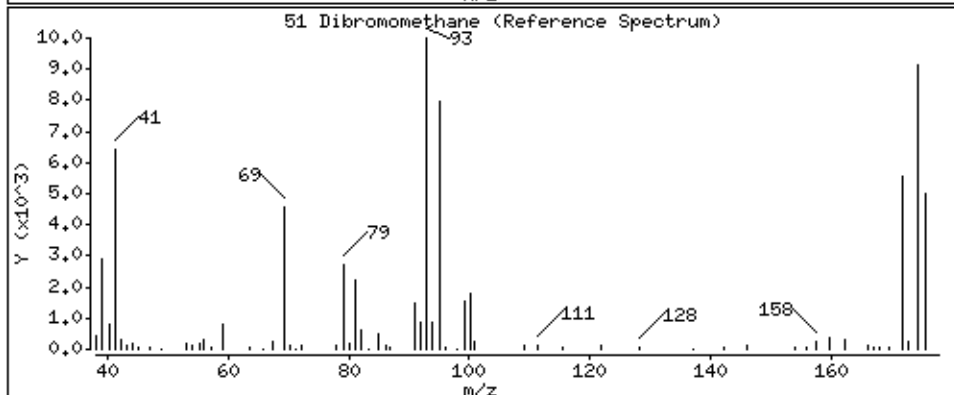
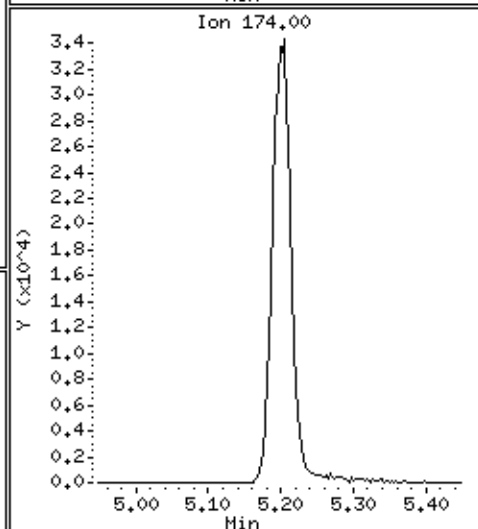
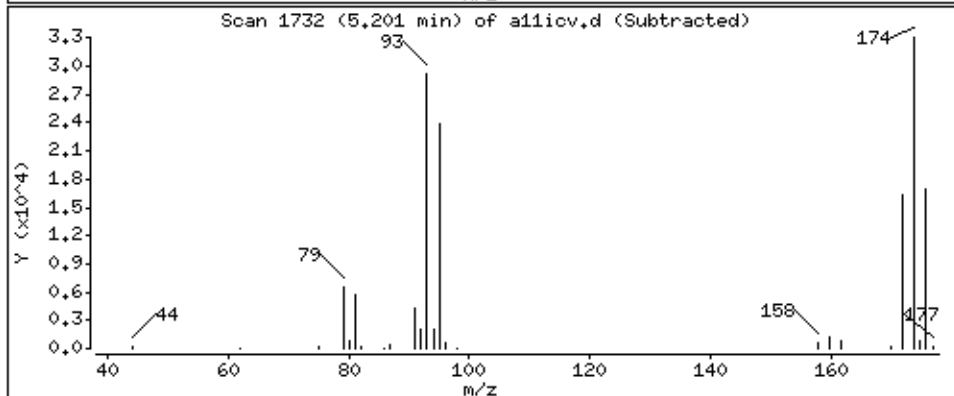
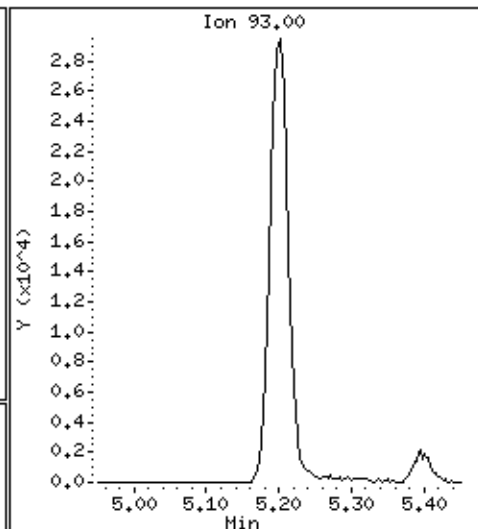
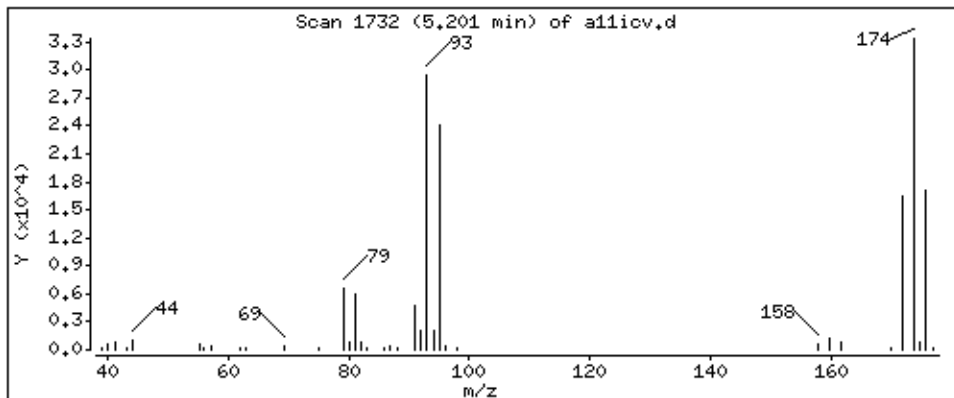
Operator: amv

Column phase: DB-624

Column diameter: 0.18

51 Dibromomethane

Concentration: 51.3 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

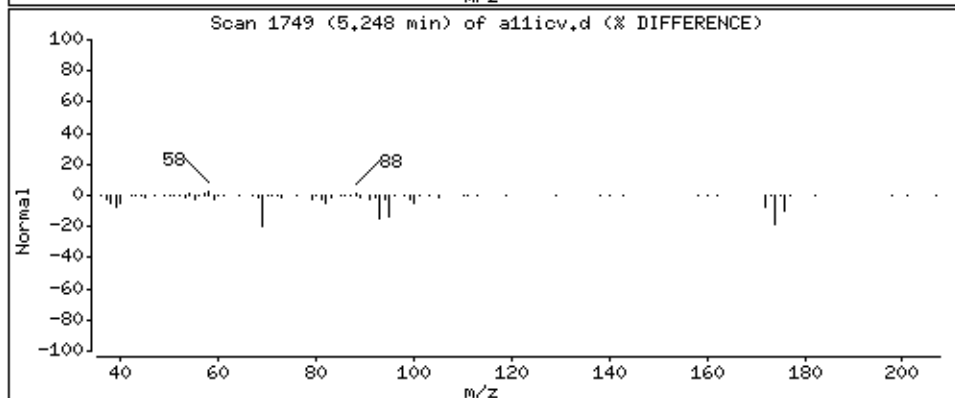
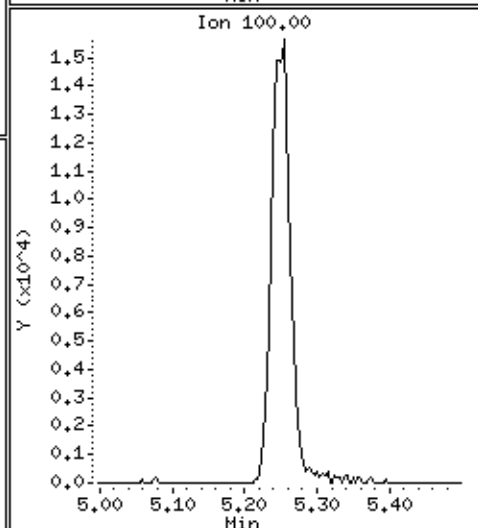
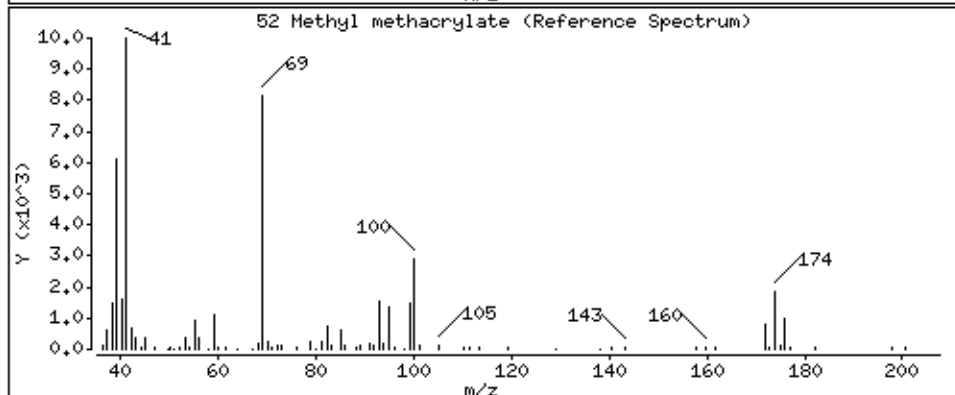
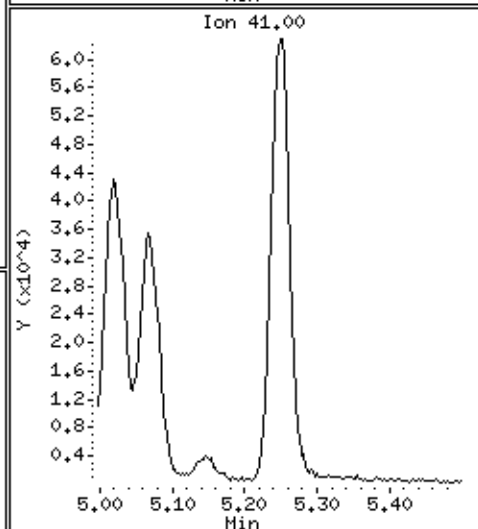
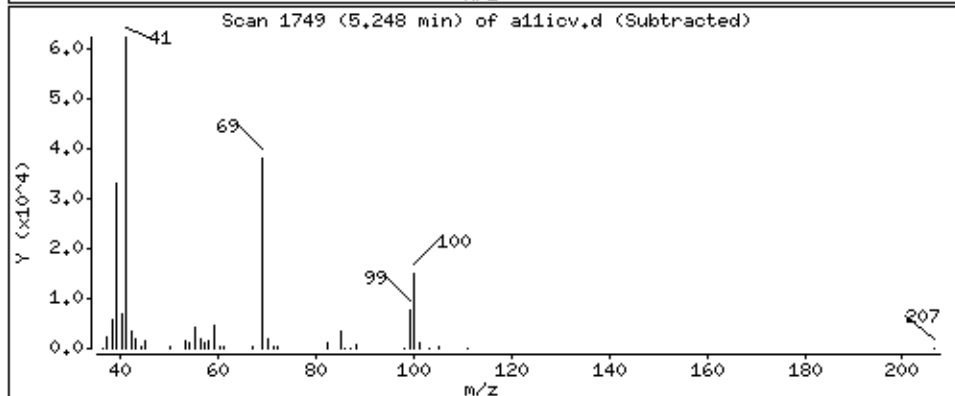
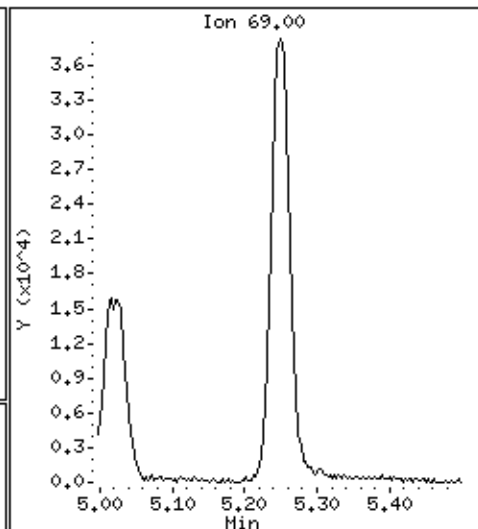
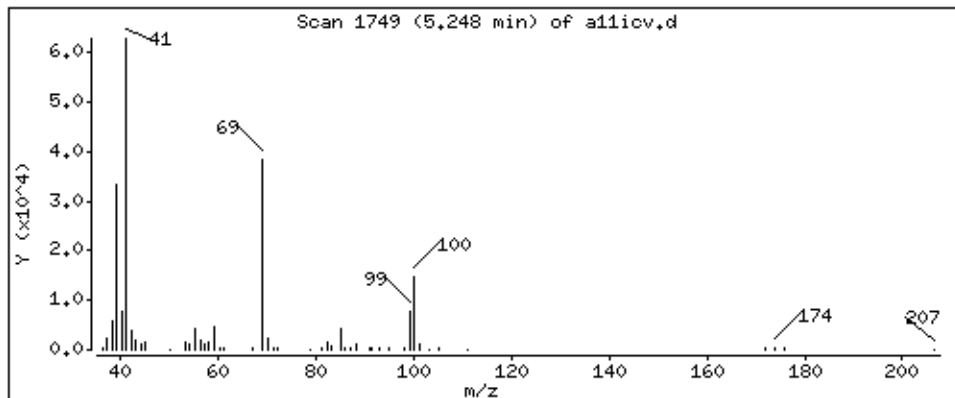
Operator: amv

Column phase: DB-624

Column diameter: 0,18

52 Methyl methacrylate

Concentration: 47.6 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

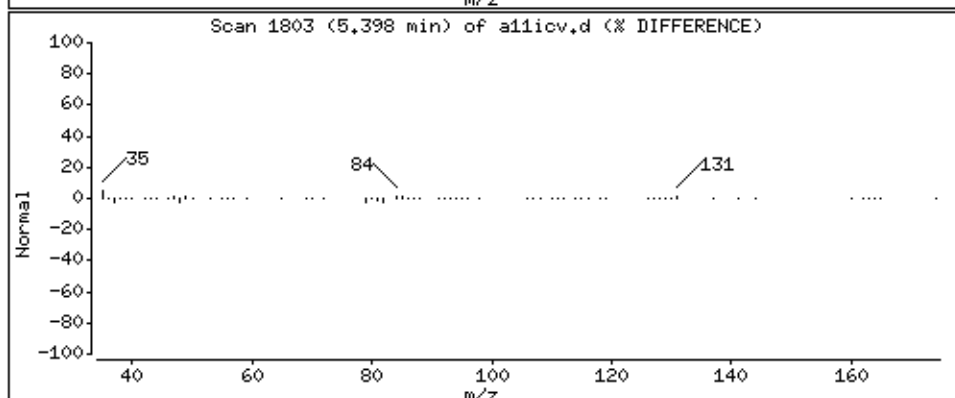
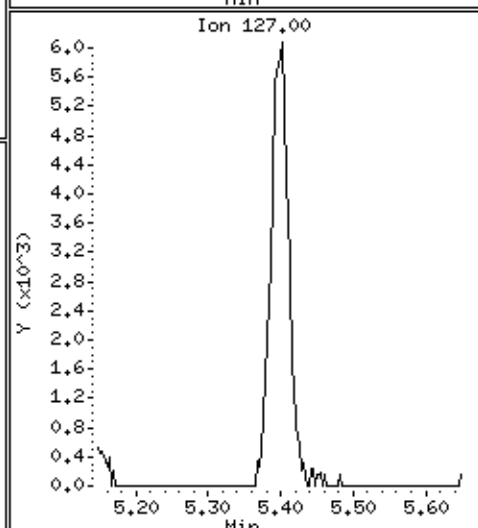
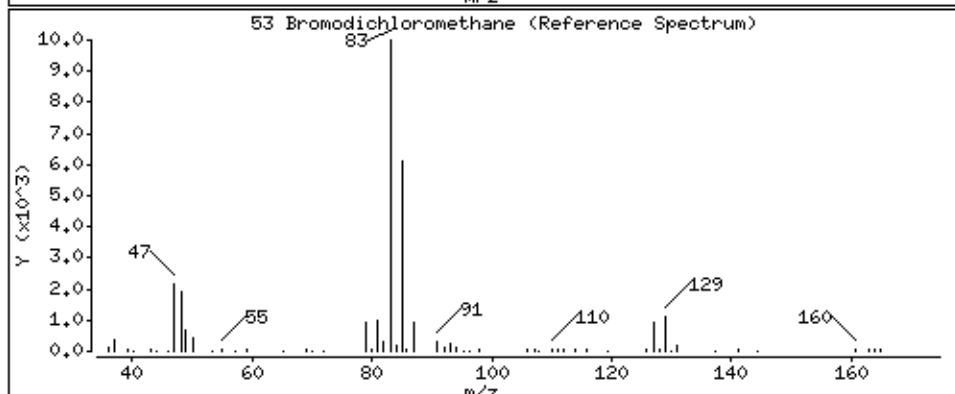
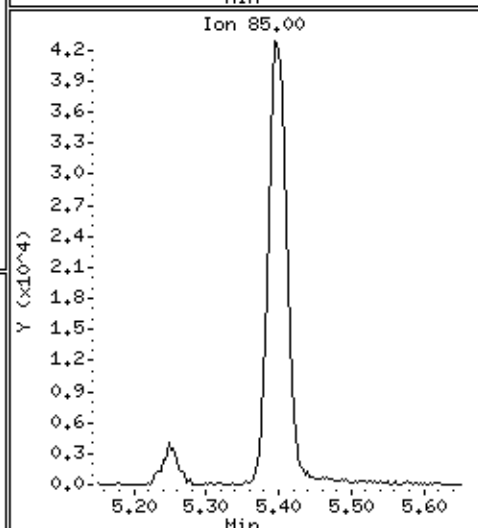
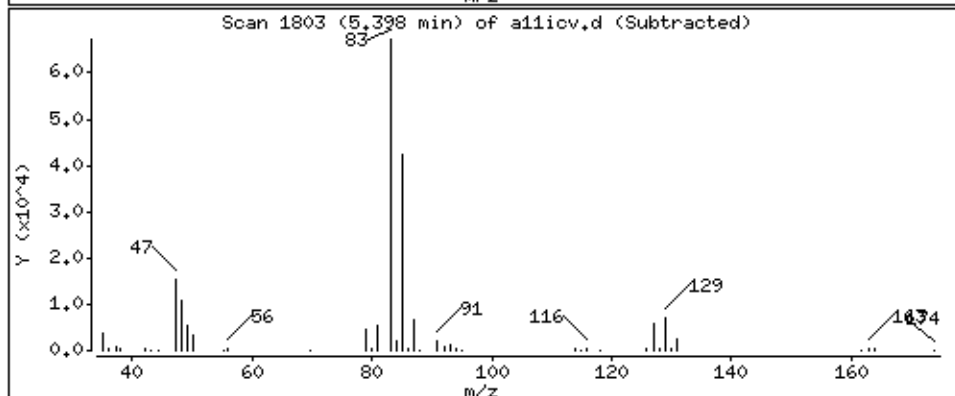
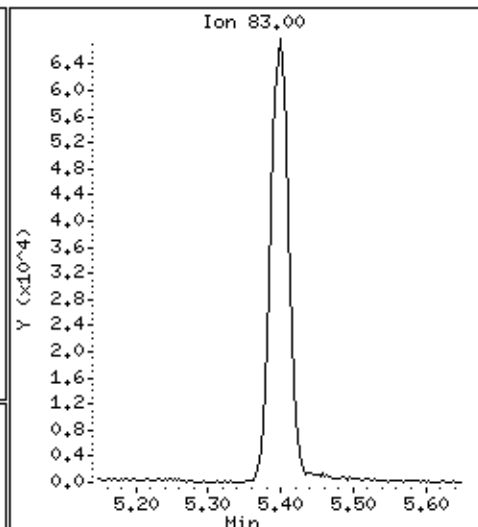
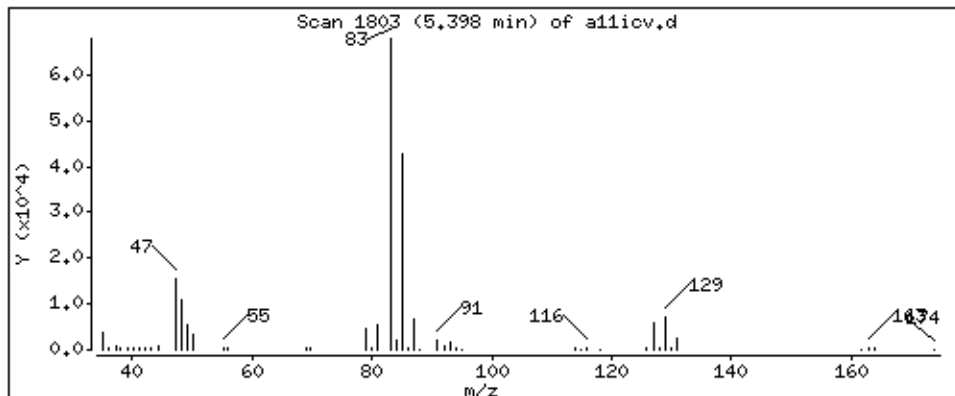
Operator: amv

Column phase: DB-624

Column diameter: 0,18

53 Bromodichloromethane

Concentration: 43,8 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

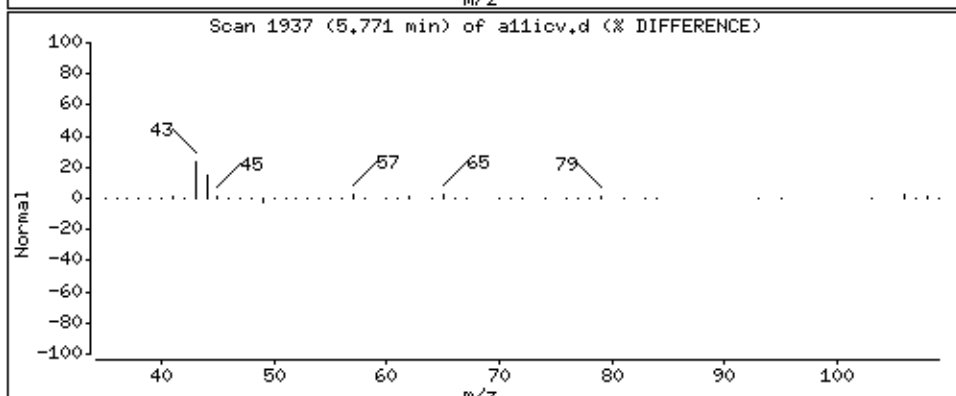
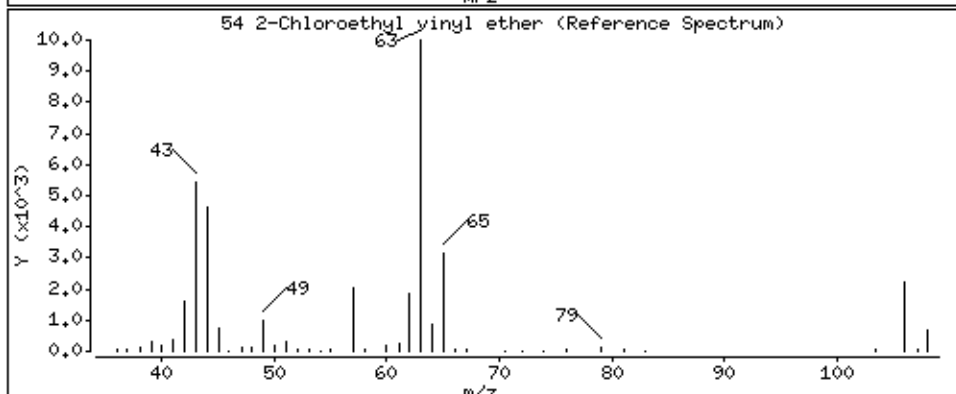
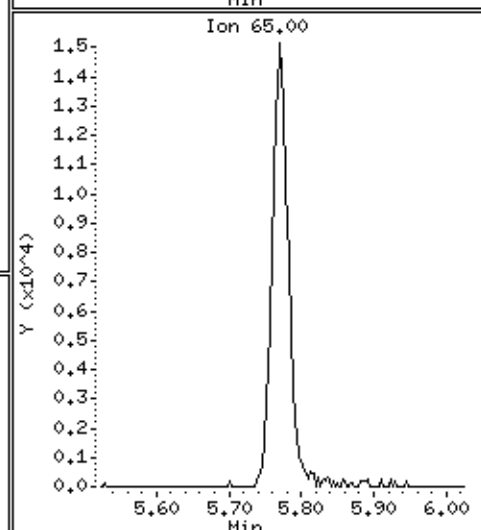
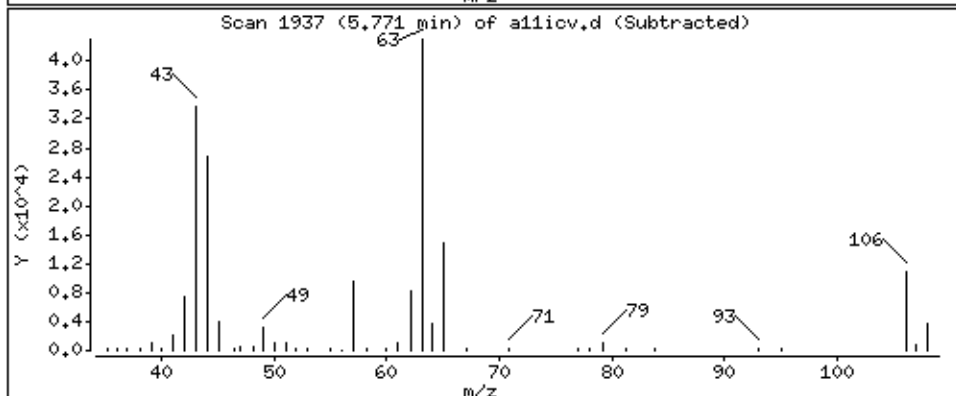
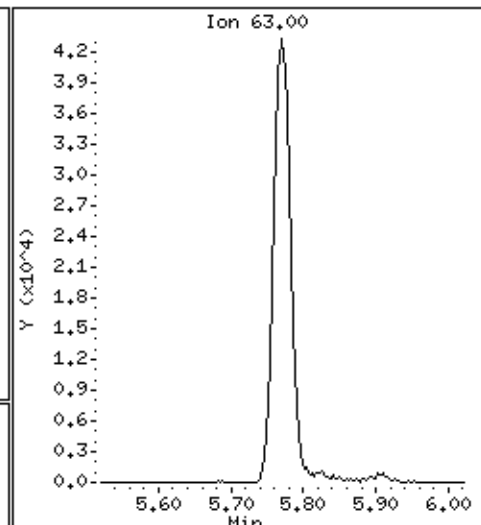
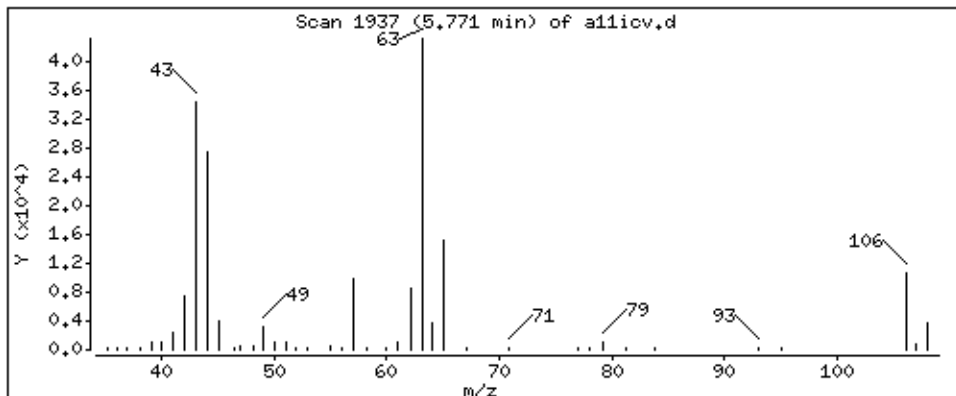
Operator: amv

Column phase: DB-624

Column diameter: 0,18

54 2-Chloroethyl vinyl ether

Concentration: 49.4 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

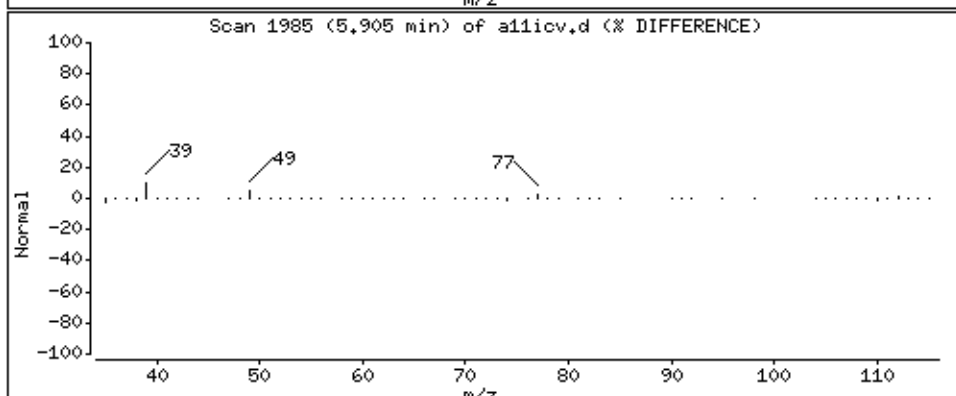
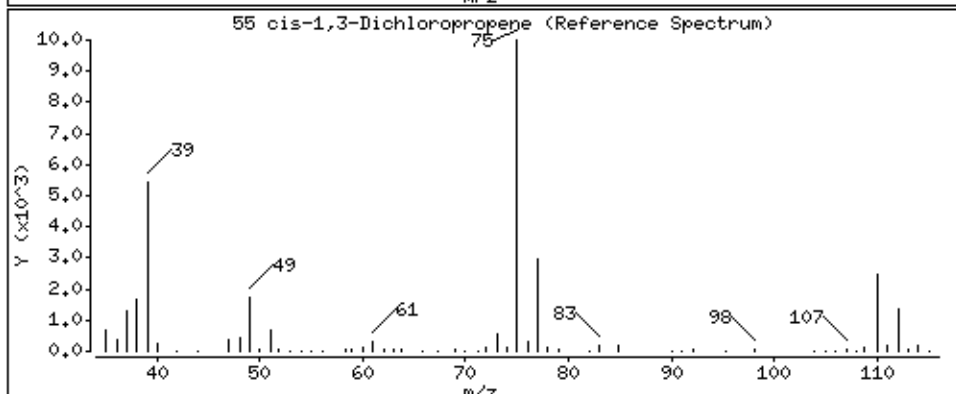
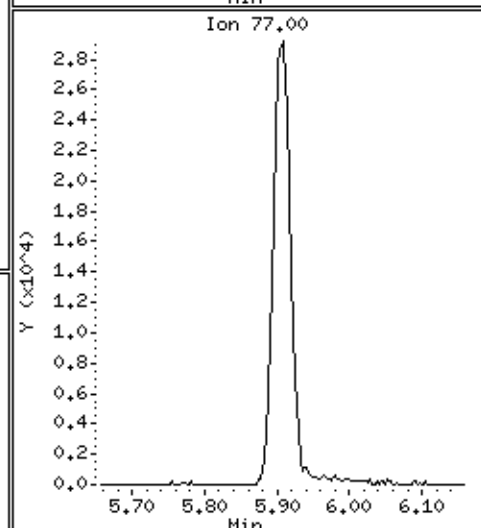
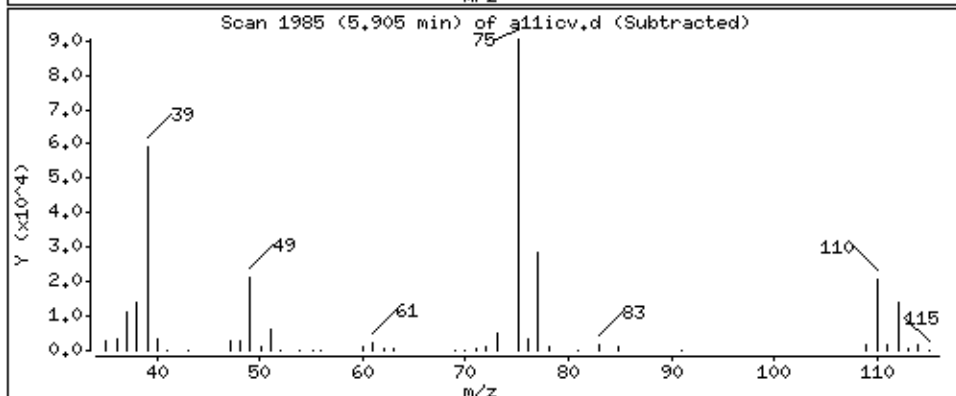
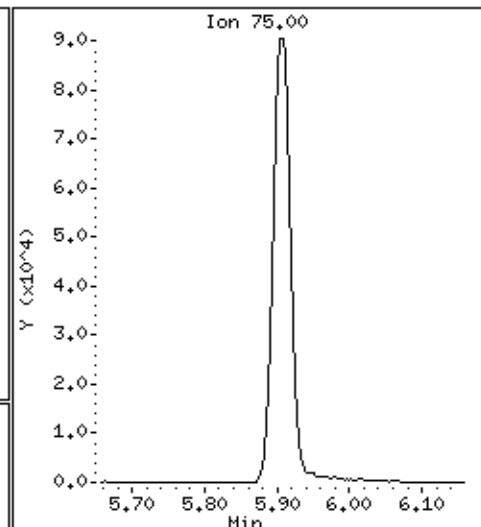
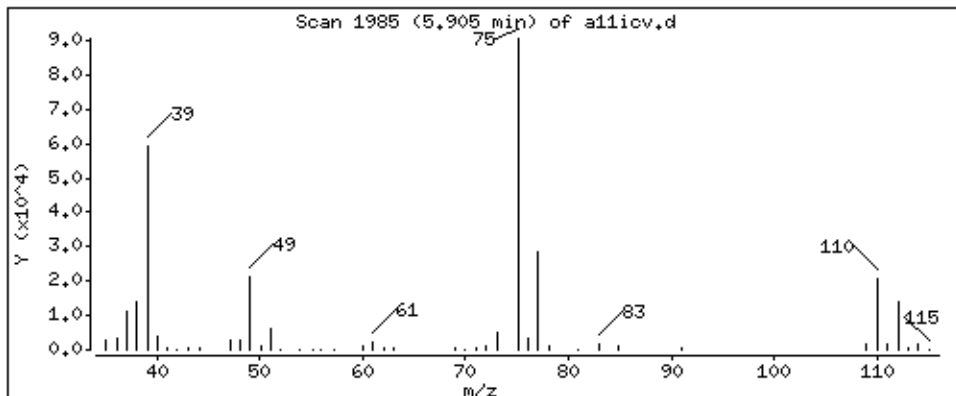
Operator: amv

Column phase: DB-624

Column diameter: 0,18

55 cis-1,3-Dichloropropene

Concentration: 49.4 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

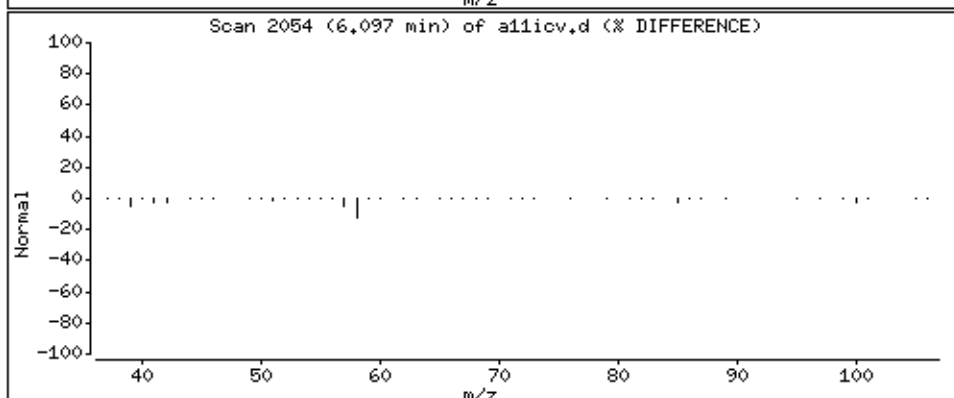
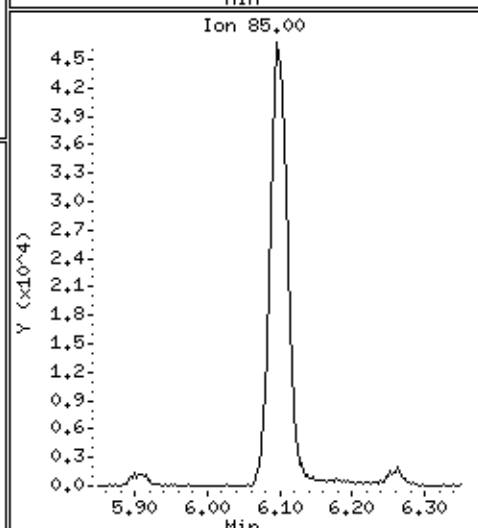
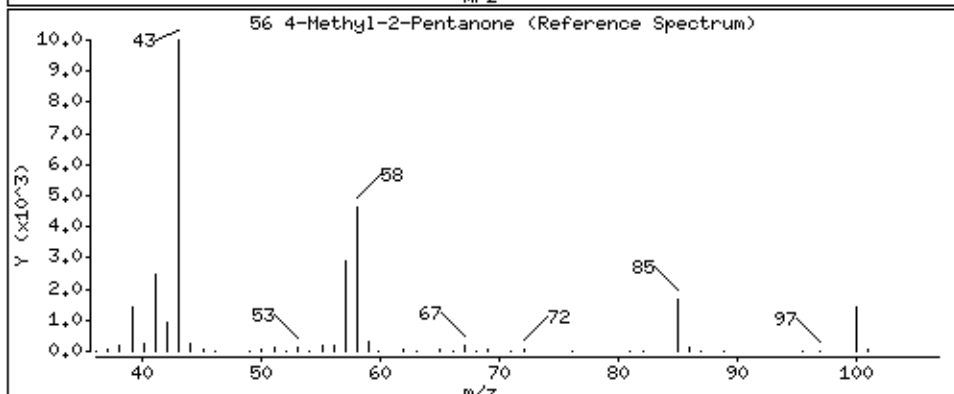
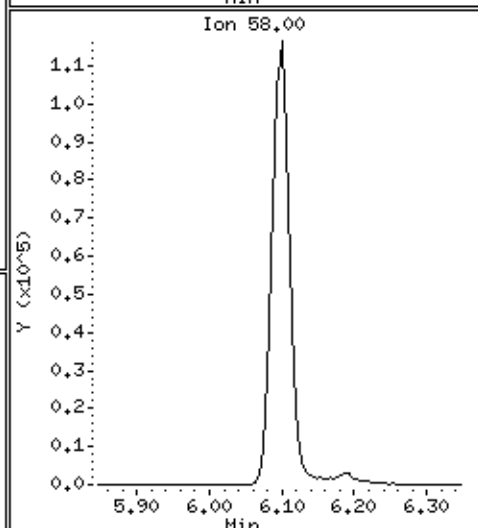
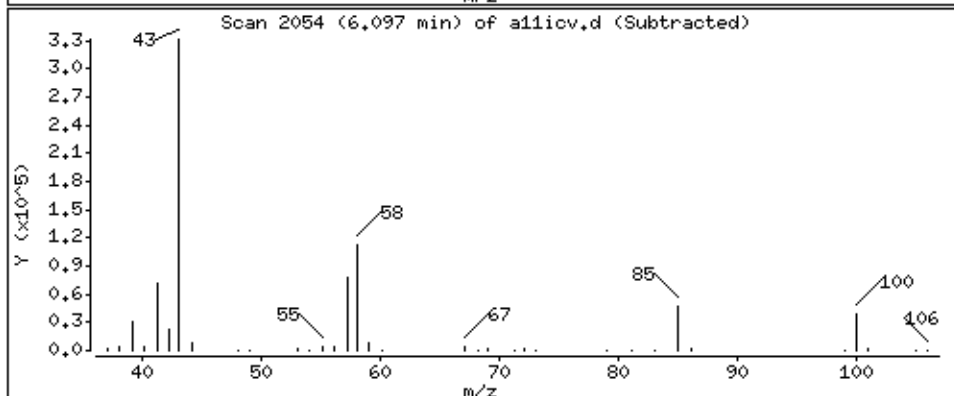
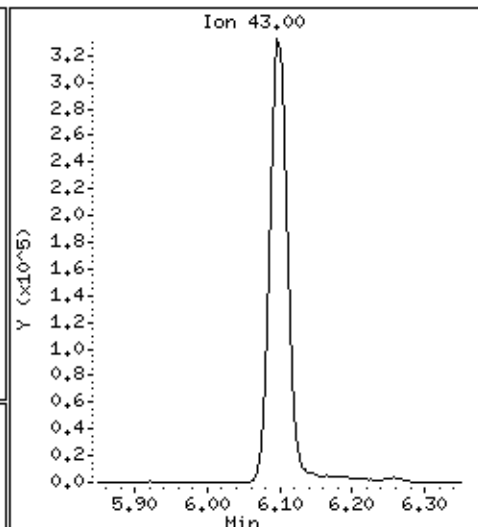
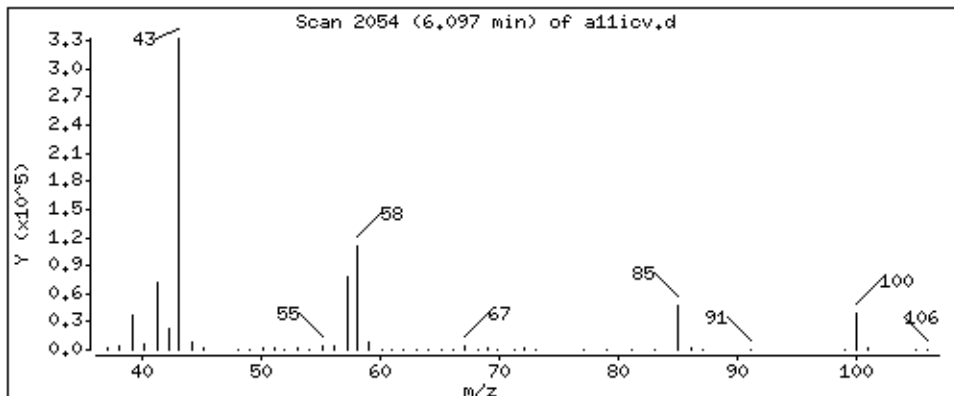
Operator: amv

Column phase: DB-624

Column diameter: 0,18

56 4-Methyl-2-Pentanone

Concentration: 238 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mw2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

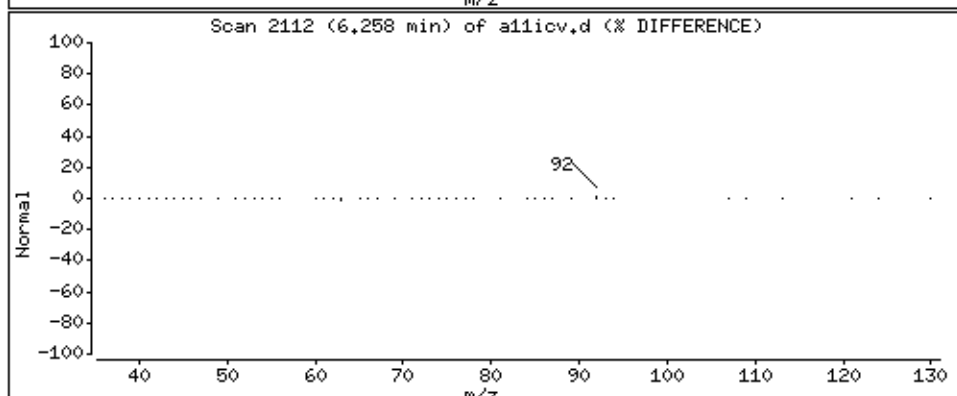
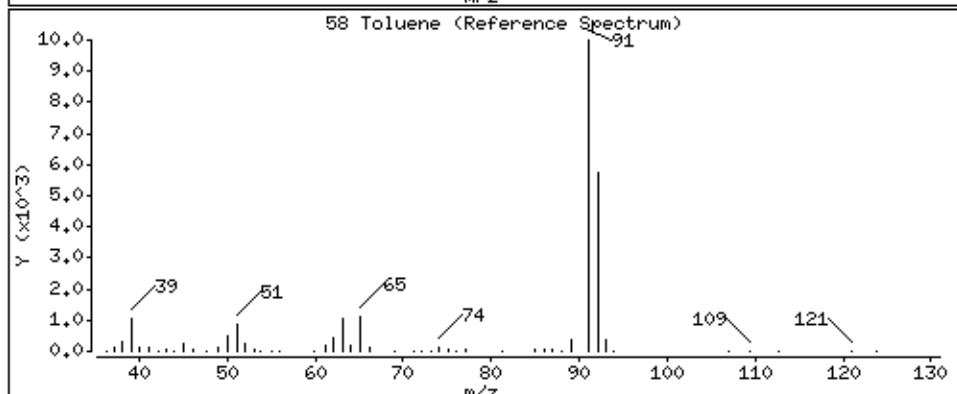
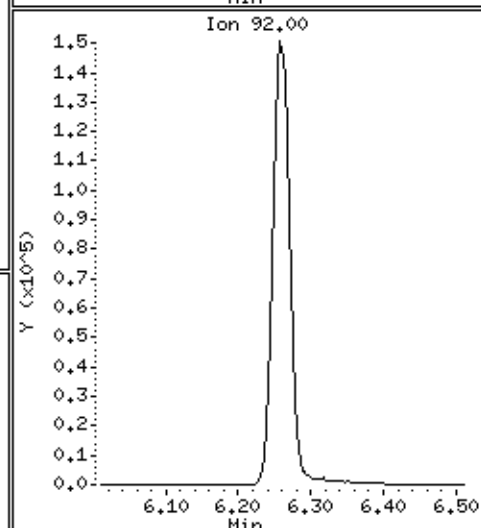
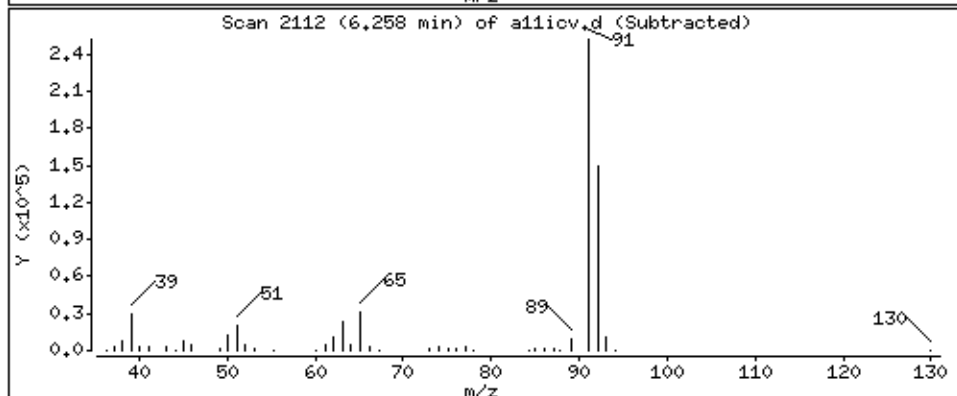
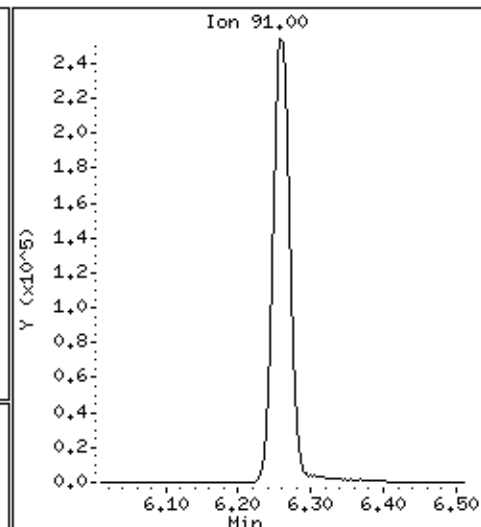
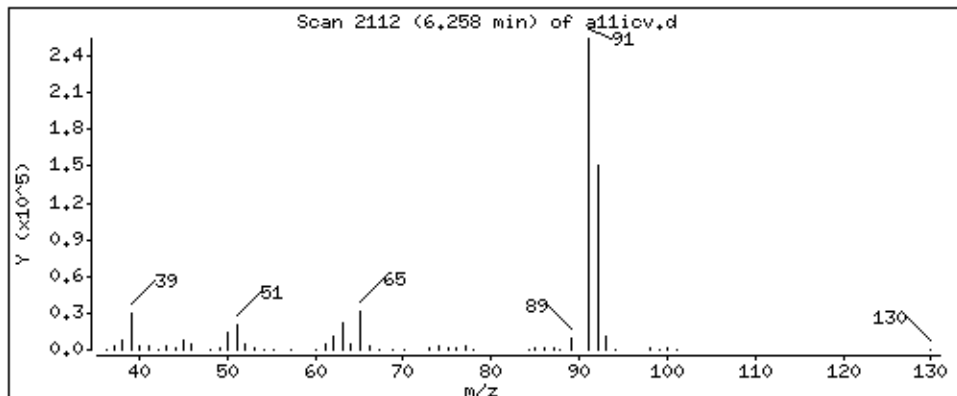
Operator: amv

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 45,9 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

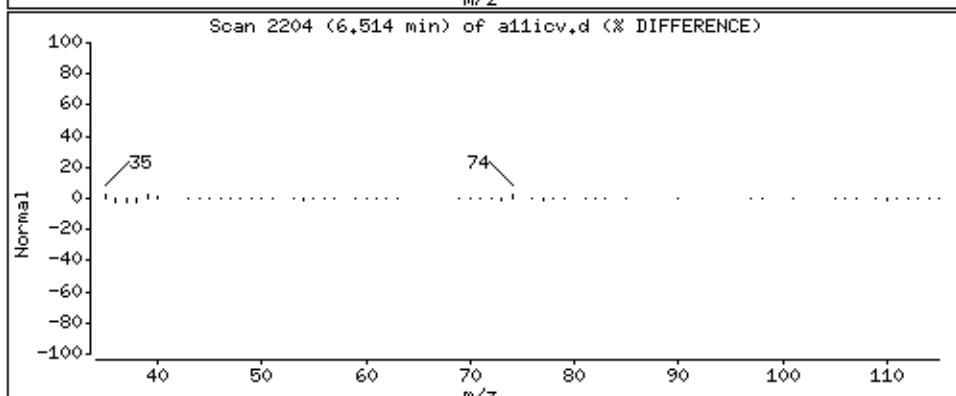
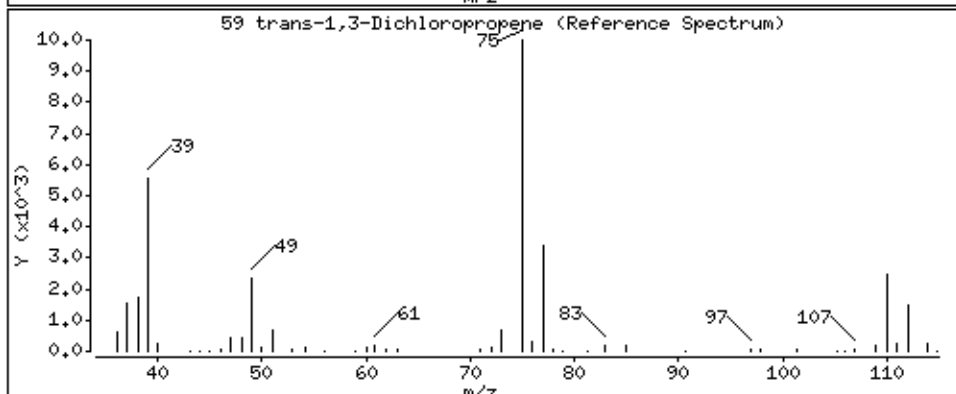
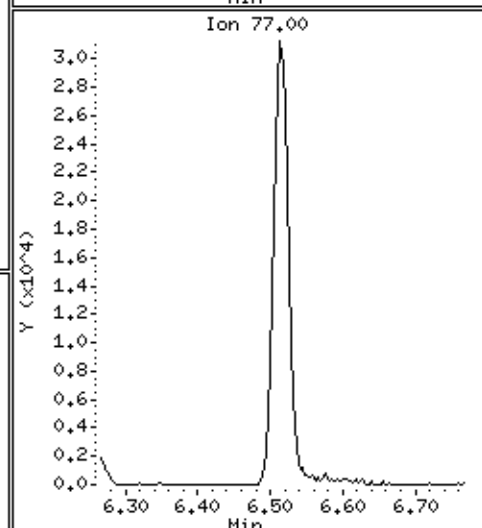
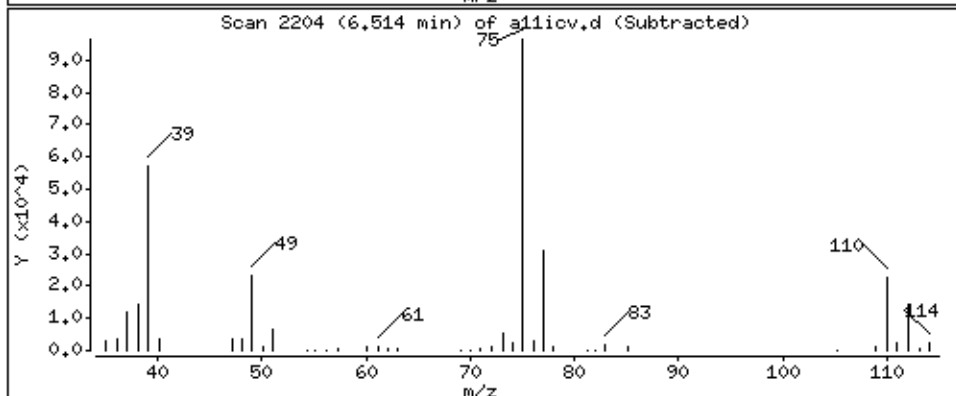
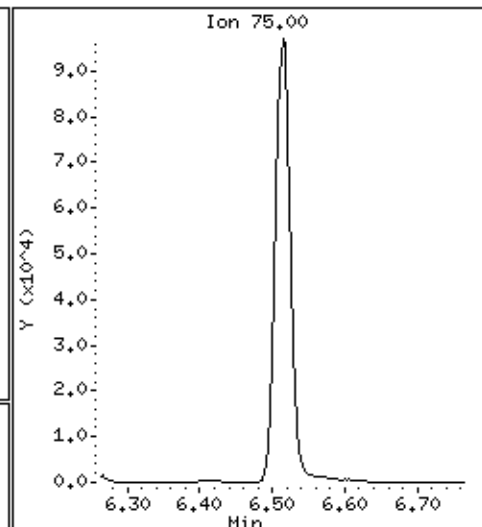
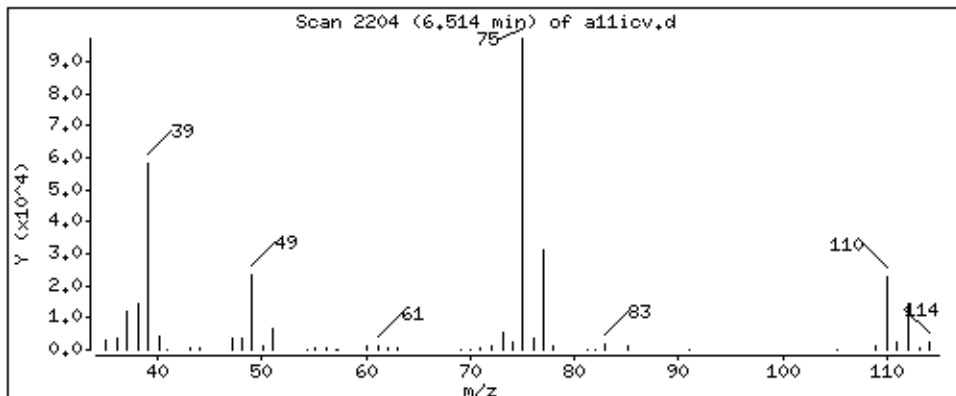
Operator: amv

Column phase: DB-624

Column diameter: 0,18

59 trans-1,3-Dichloropropene

Concentration: 47.1 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

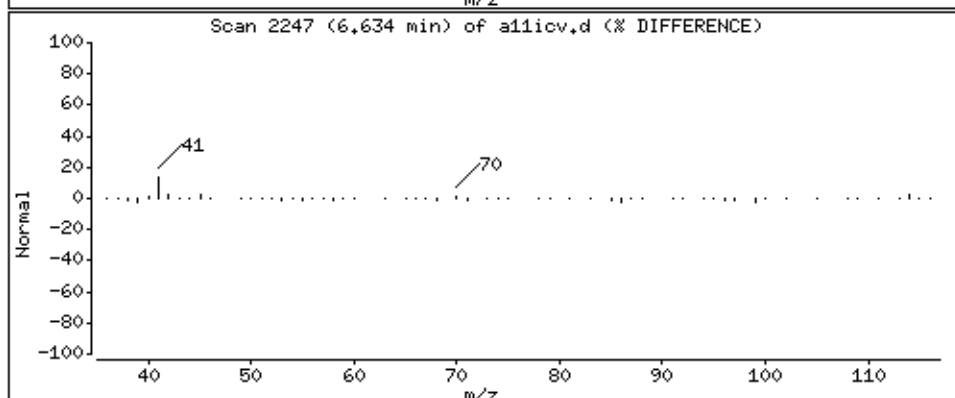
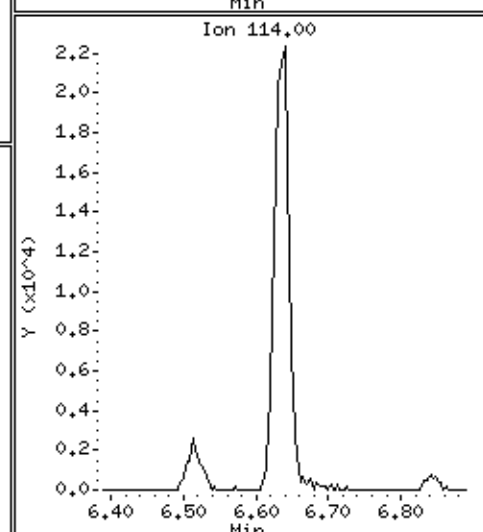
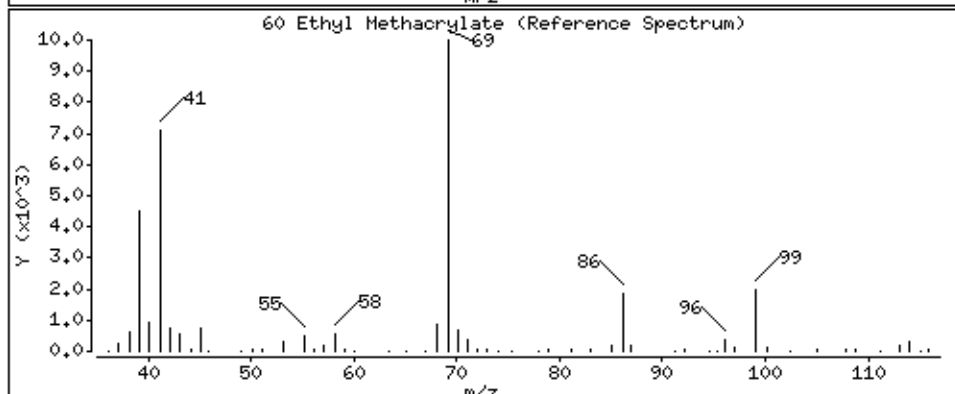
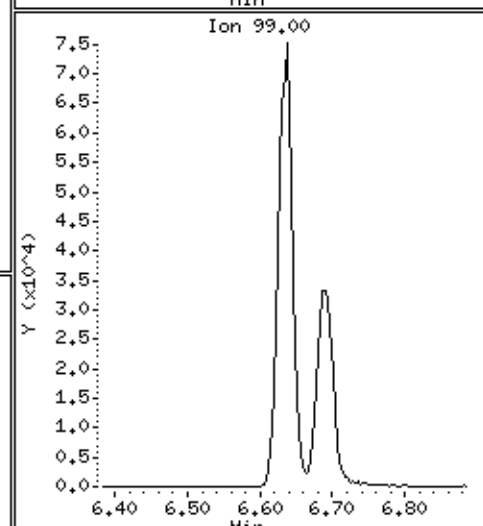
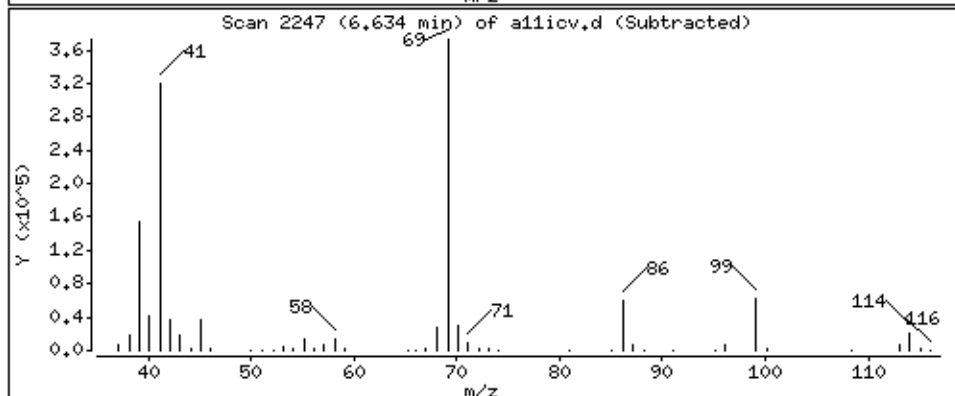
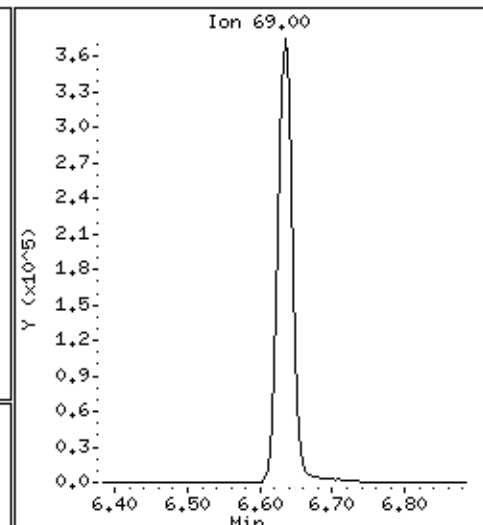
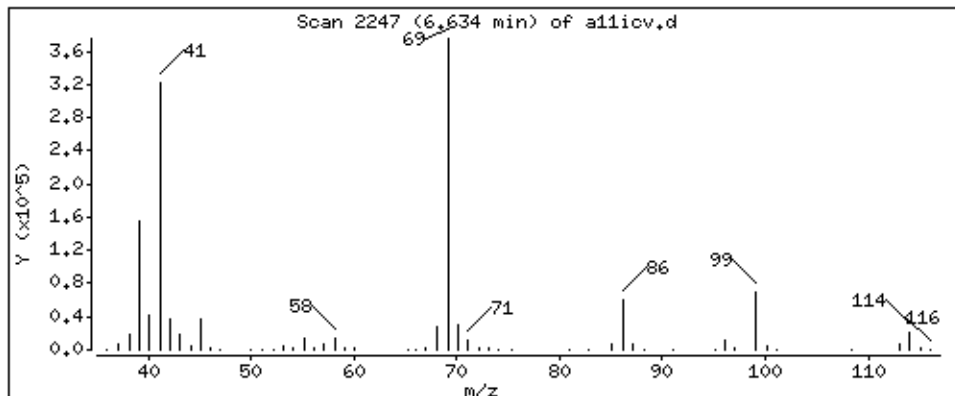
Operator: amv

Column phase: DB-624

Column diameter: 0,18

60 Ethyl Methacrylate

Concentration: 189 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

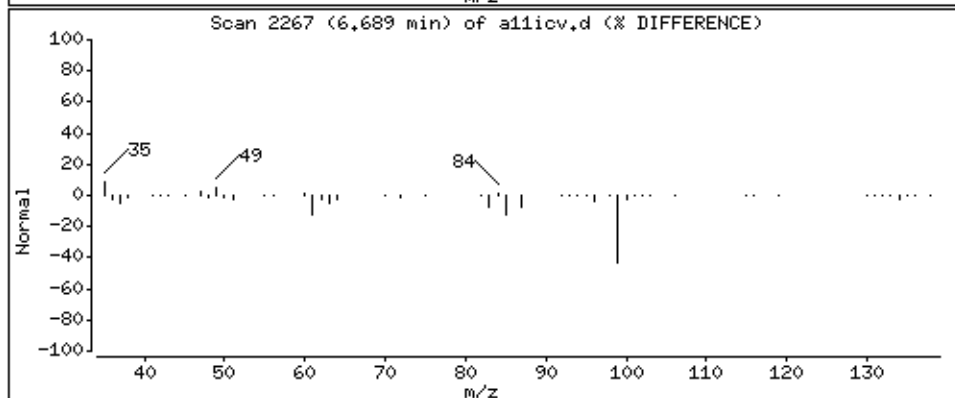
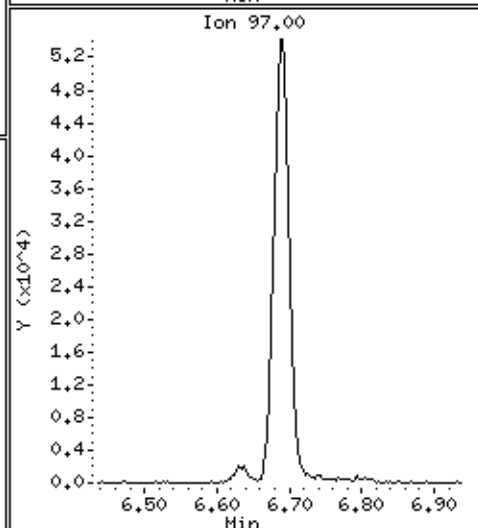
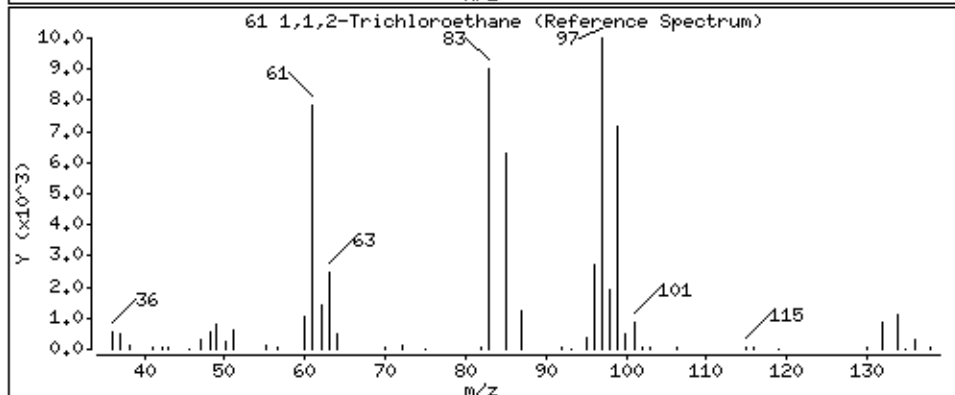
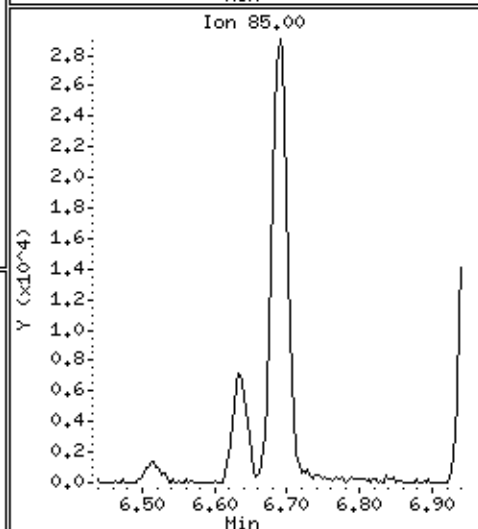
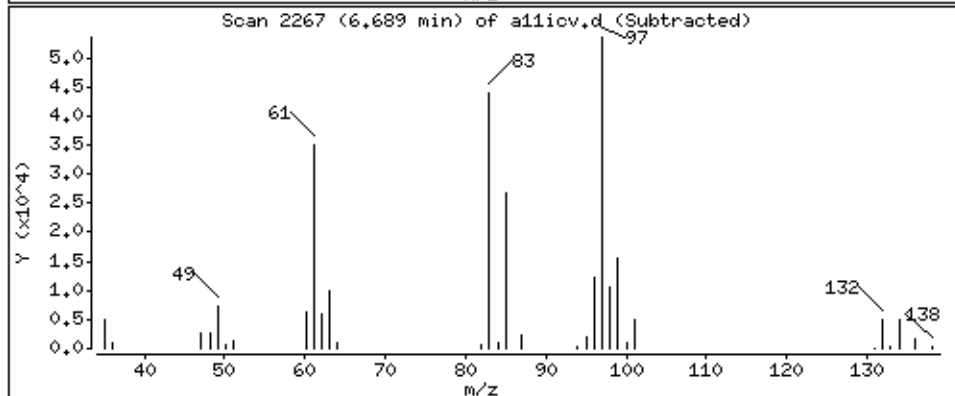
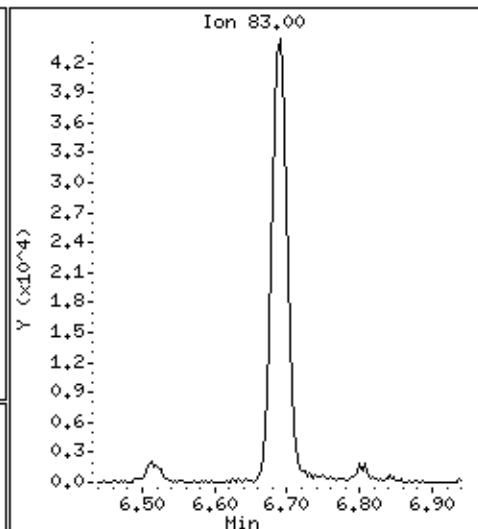
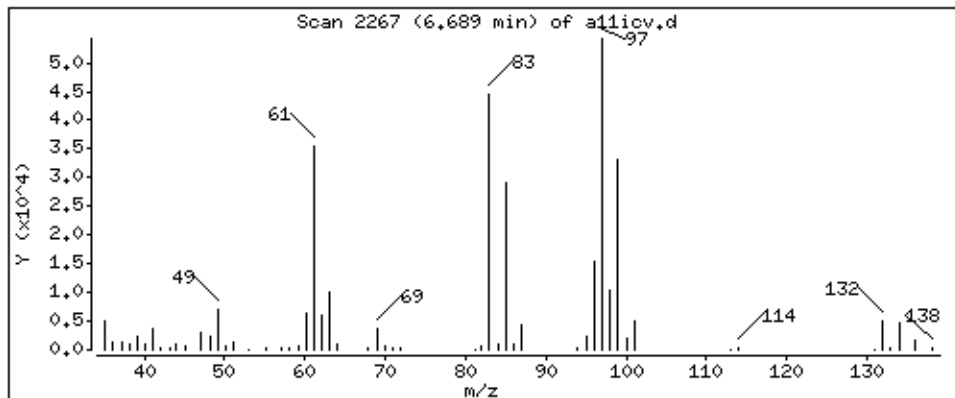
Operator: amv

Column phase: DB-624

Column diameter: 0,18

61 1,1,2-Trichloroethane

Concentration: 49.7 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

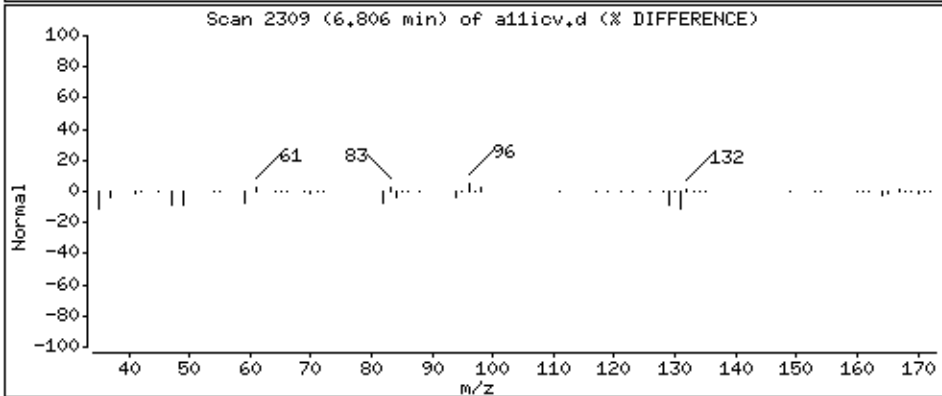
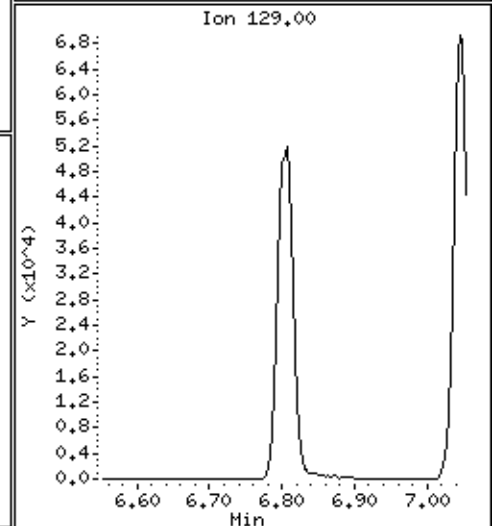
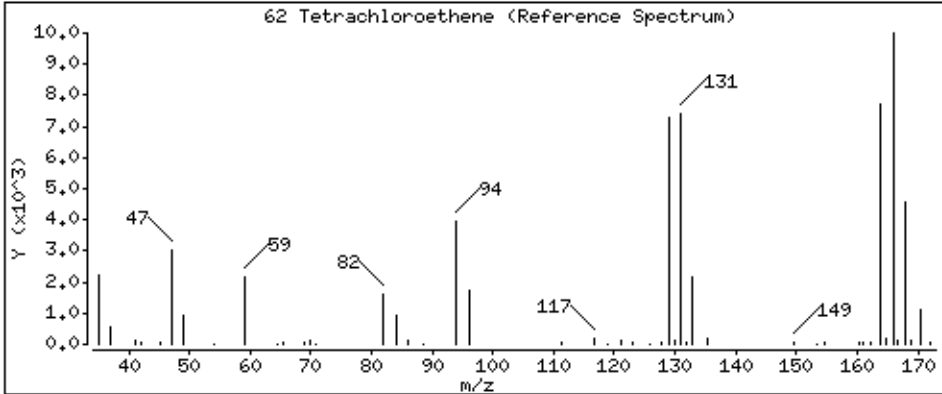
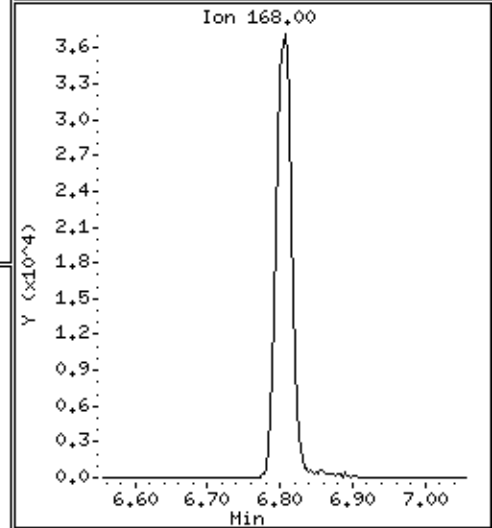
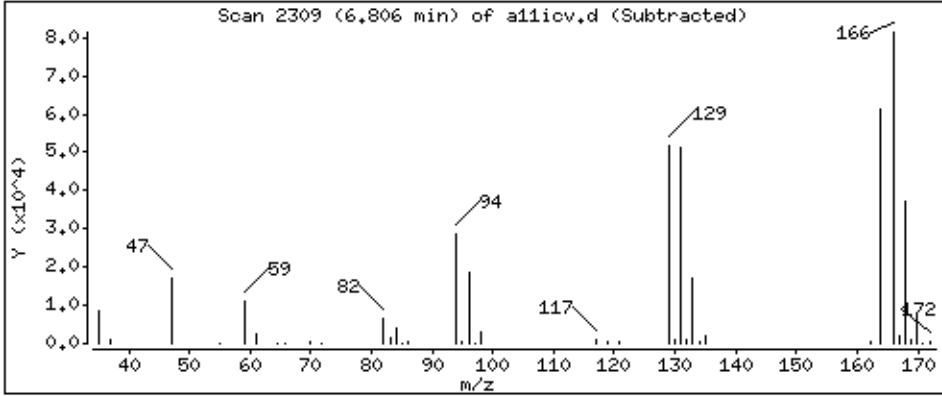
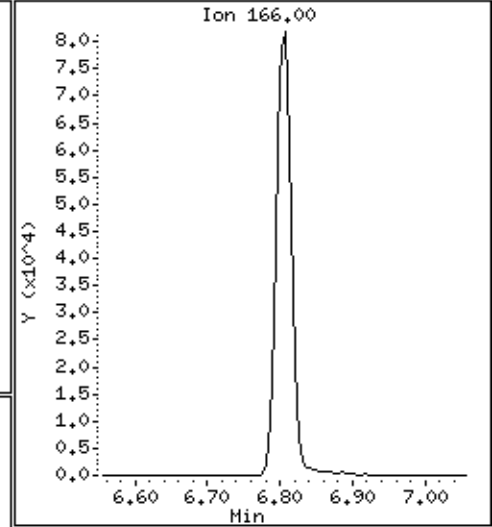
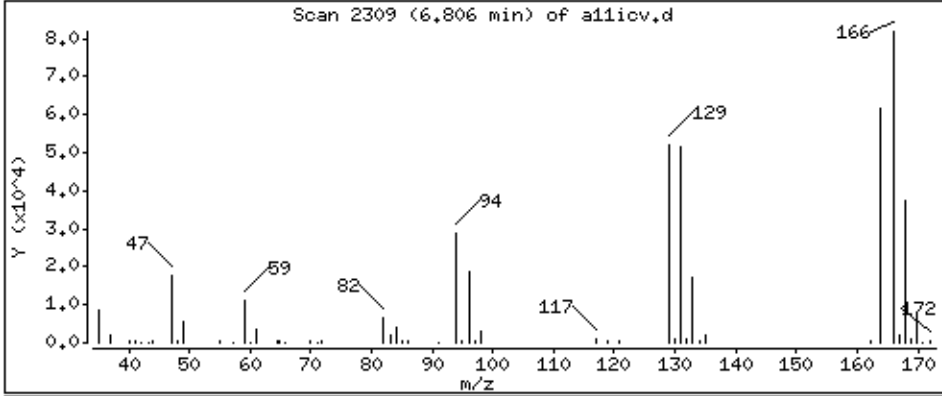
Operator: amv

Column phase: DB-624

Column diameter: 0,18

62 Tetrachloroethene

Concentration: 49.1 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

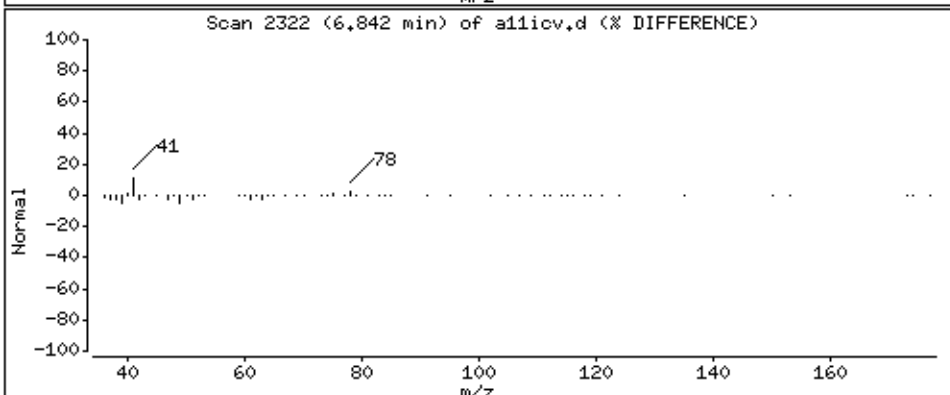
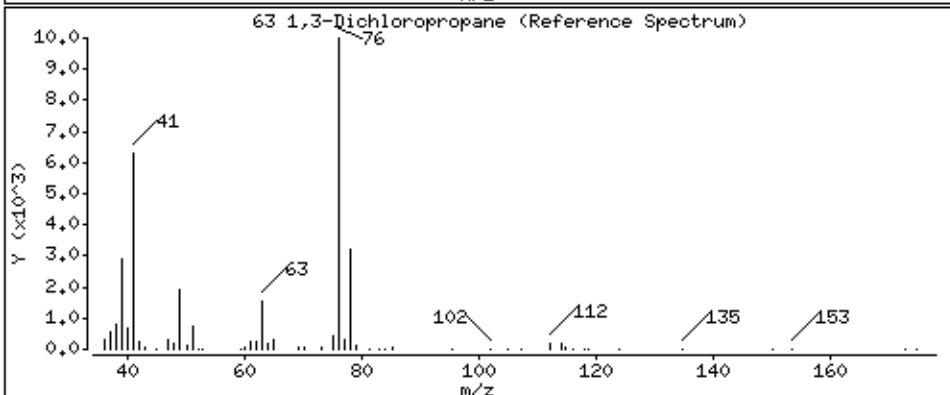
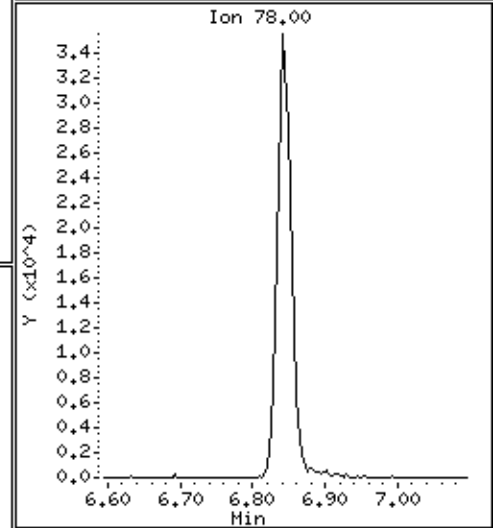
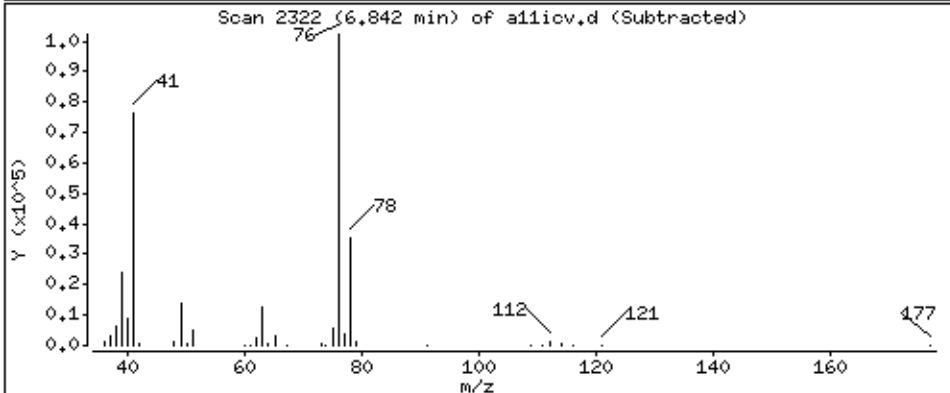
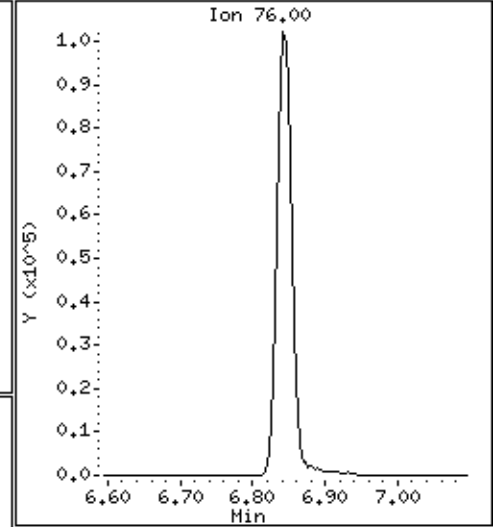
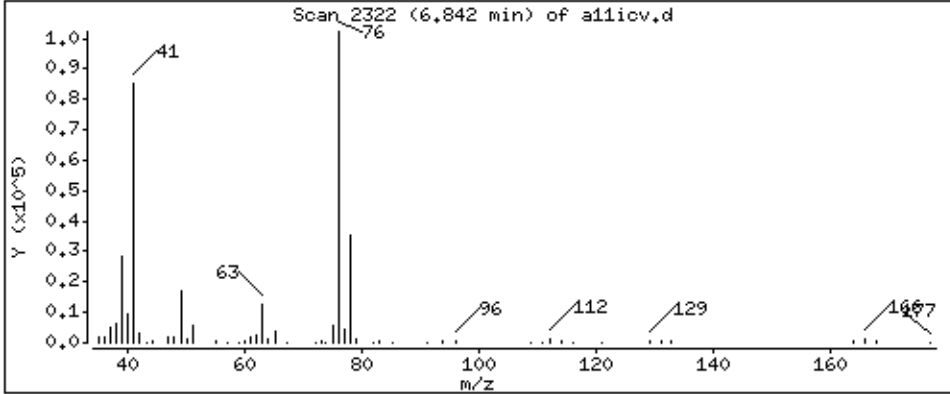
Operator: amv

Column phase: DB-624

Column diameter: 0,18

63 1,3-Dichloropropane

Concentration: 50,2 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

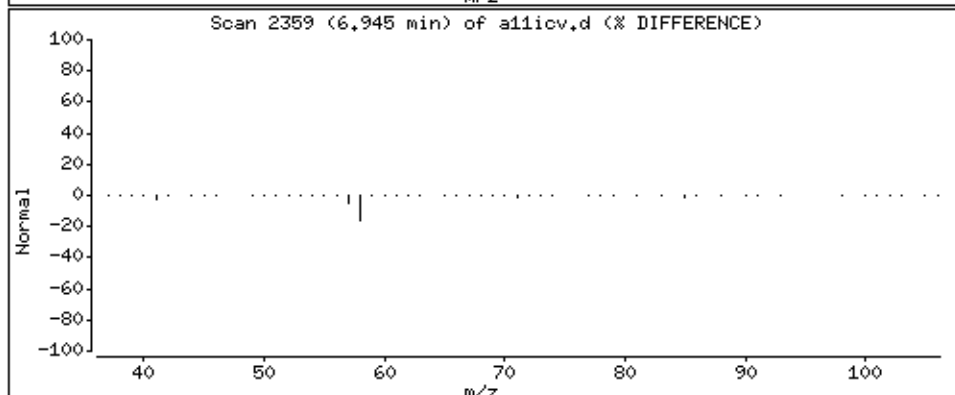
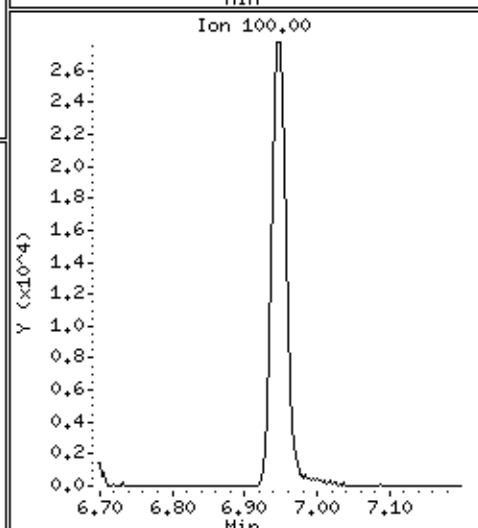
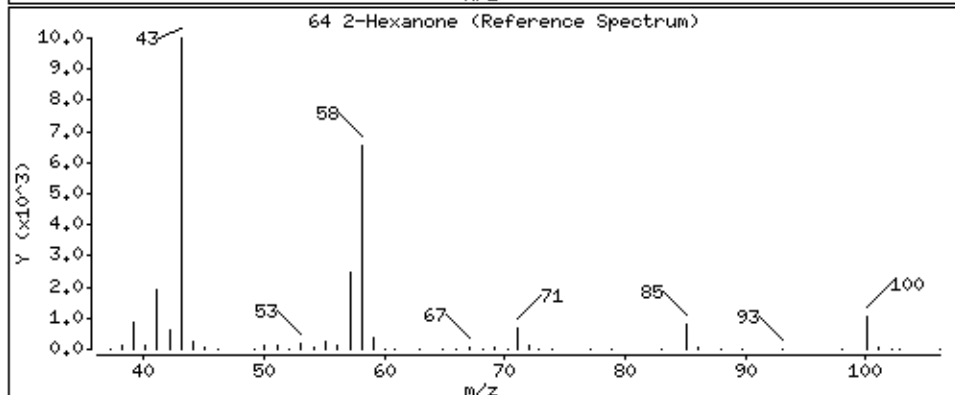
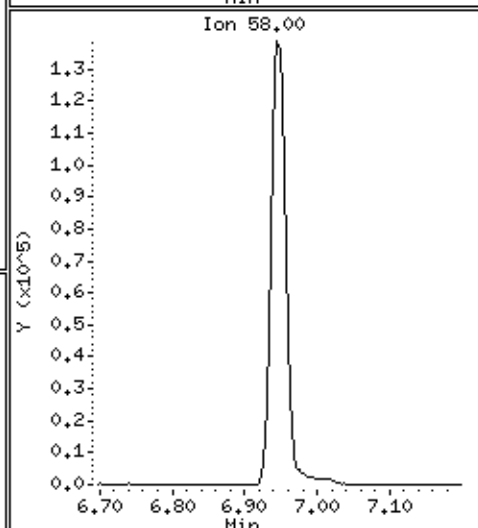
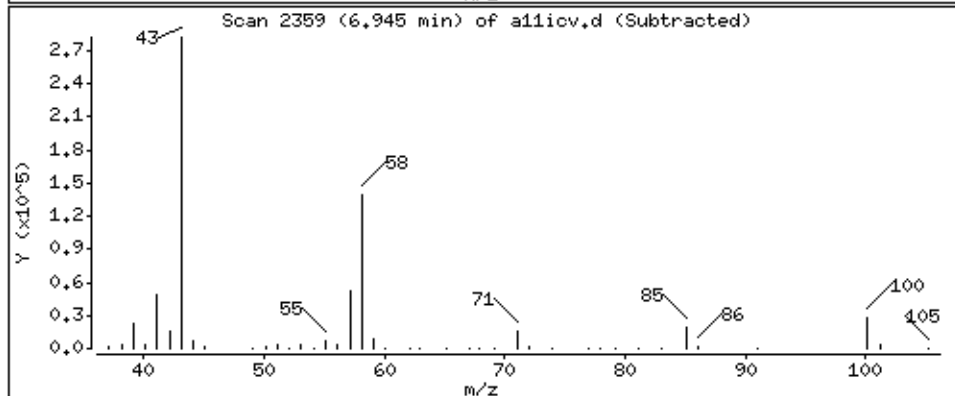
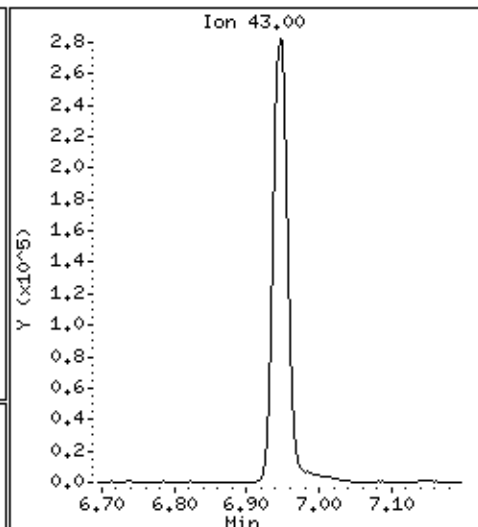
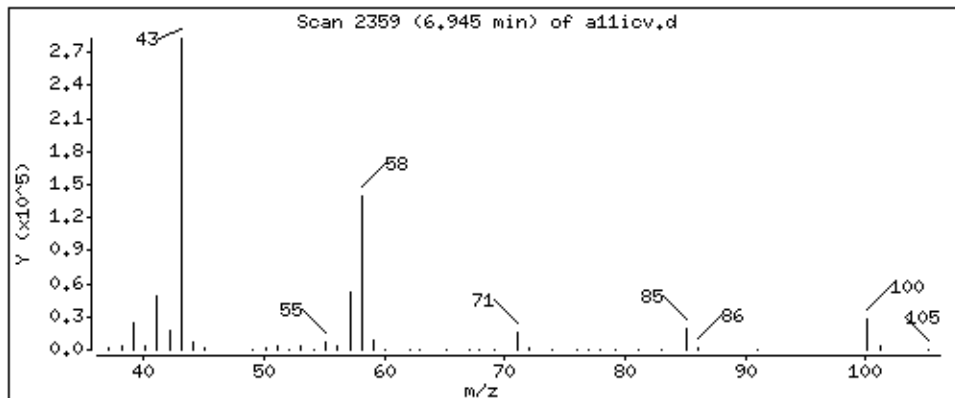
Operator: amv

Column phase: DB-624

Column diameter: 0,18

64 2-Hexanone

Concentration: 232 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

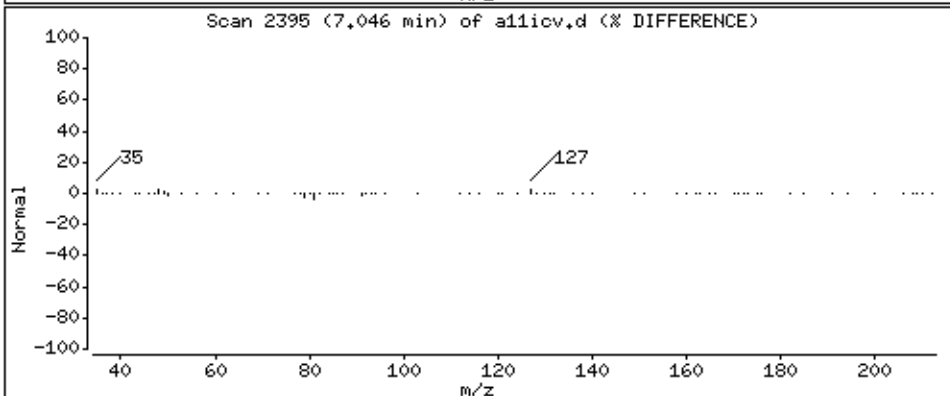
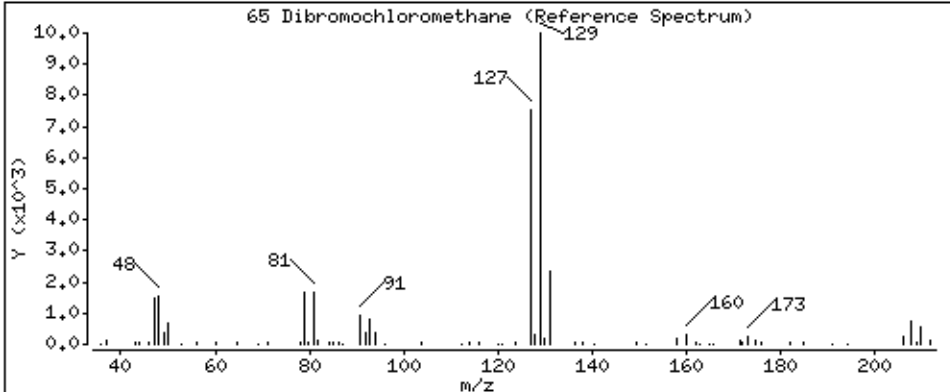
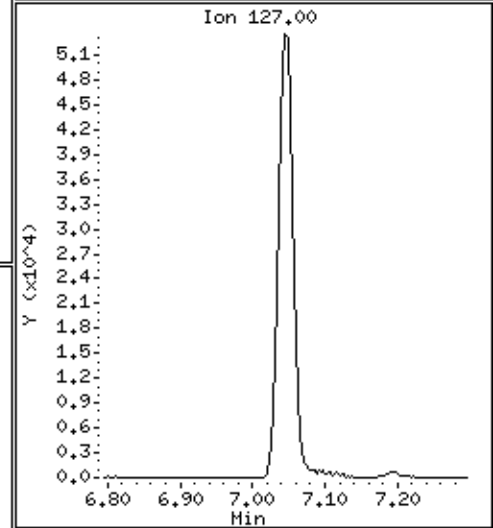
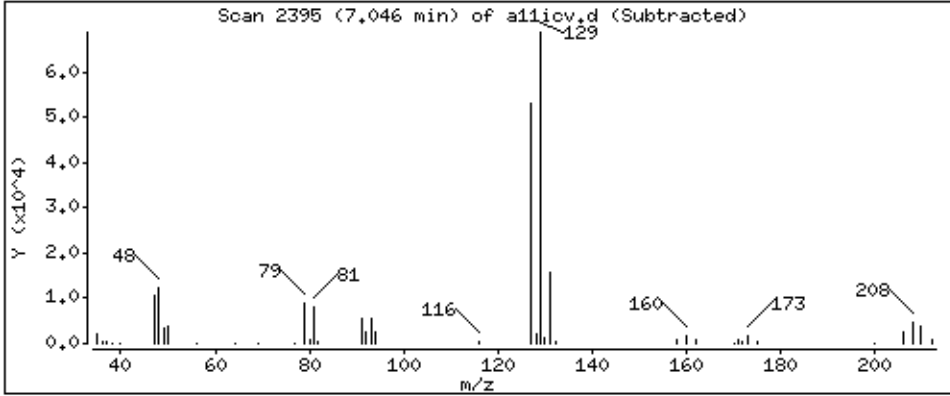
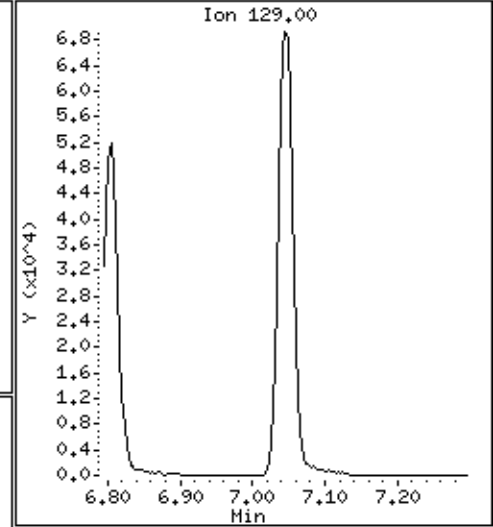
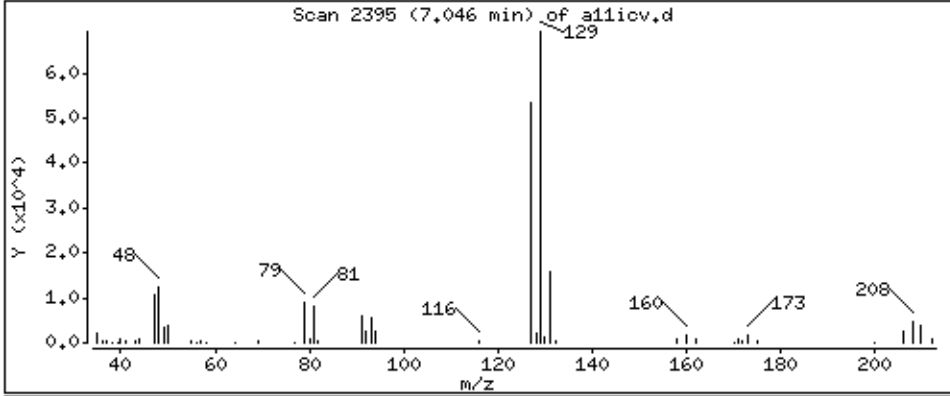
Operator: amv

Column phase: DB-624

Column diameter: 0,18

65 Dibromochloromethane

Concentration: 50,1 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

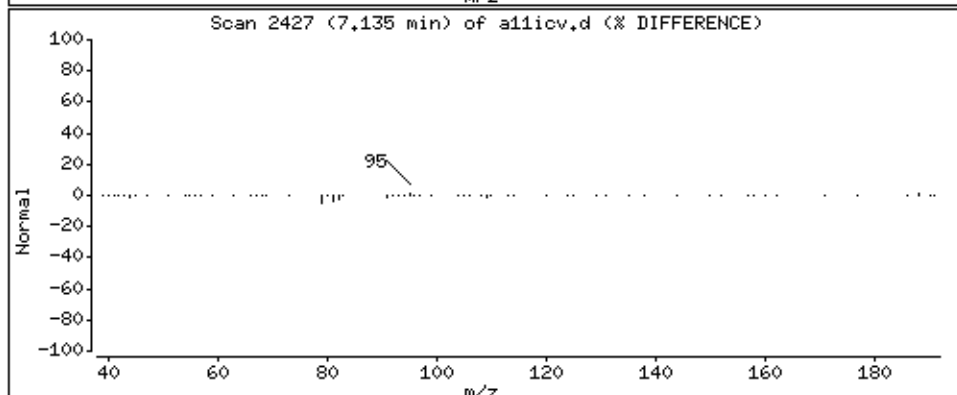
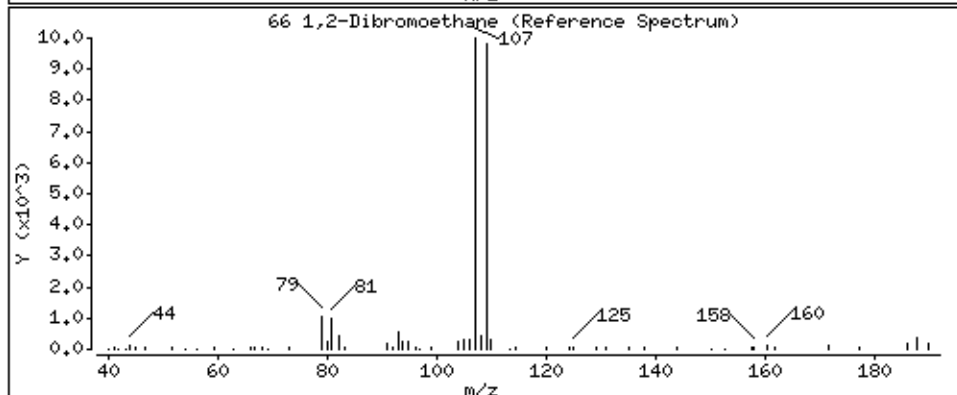
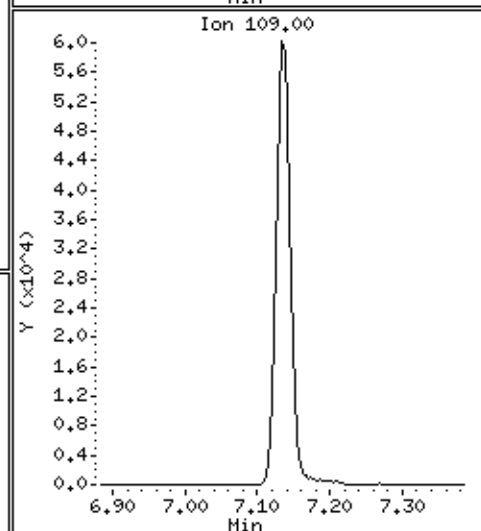
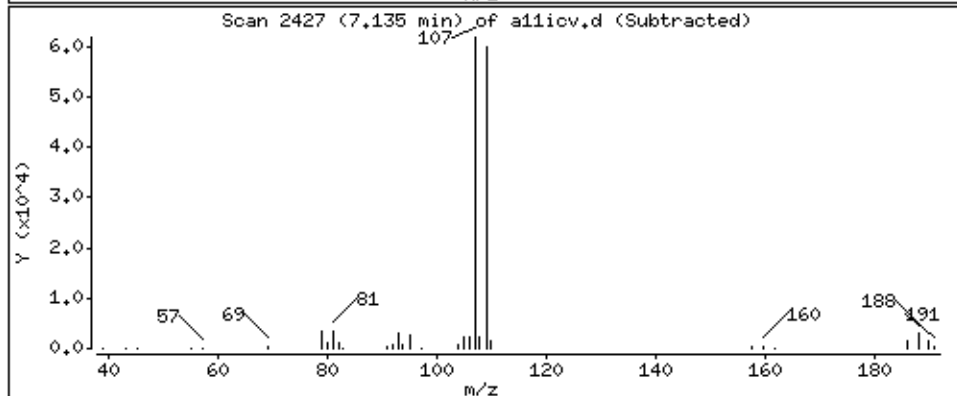
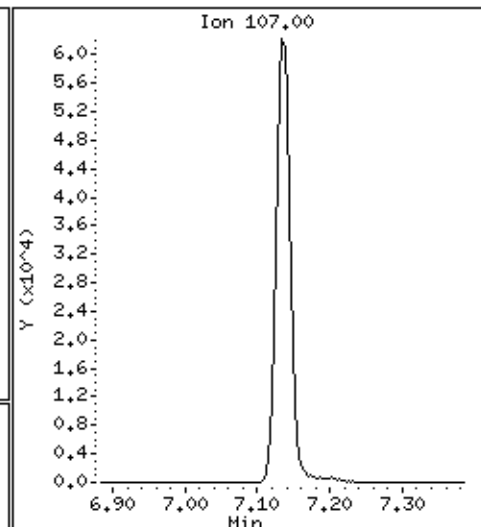
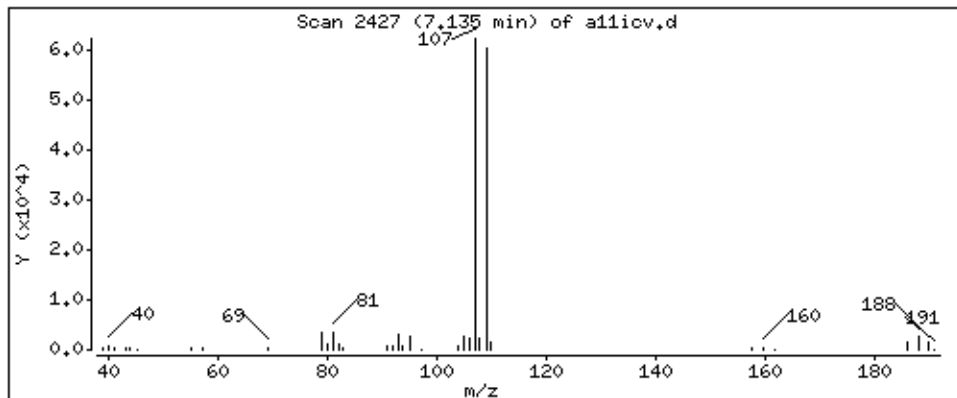
Operator: amv

Column phase: DB-624

Column diameter: 0,18

66 1,2-Dibromoethane

Concentration: 50,7 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

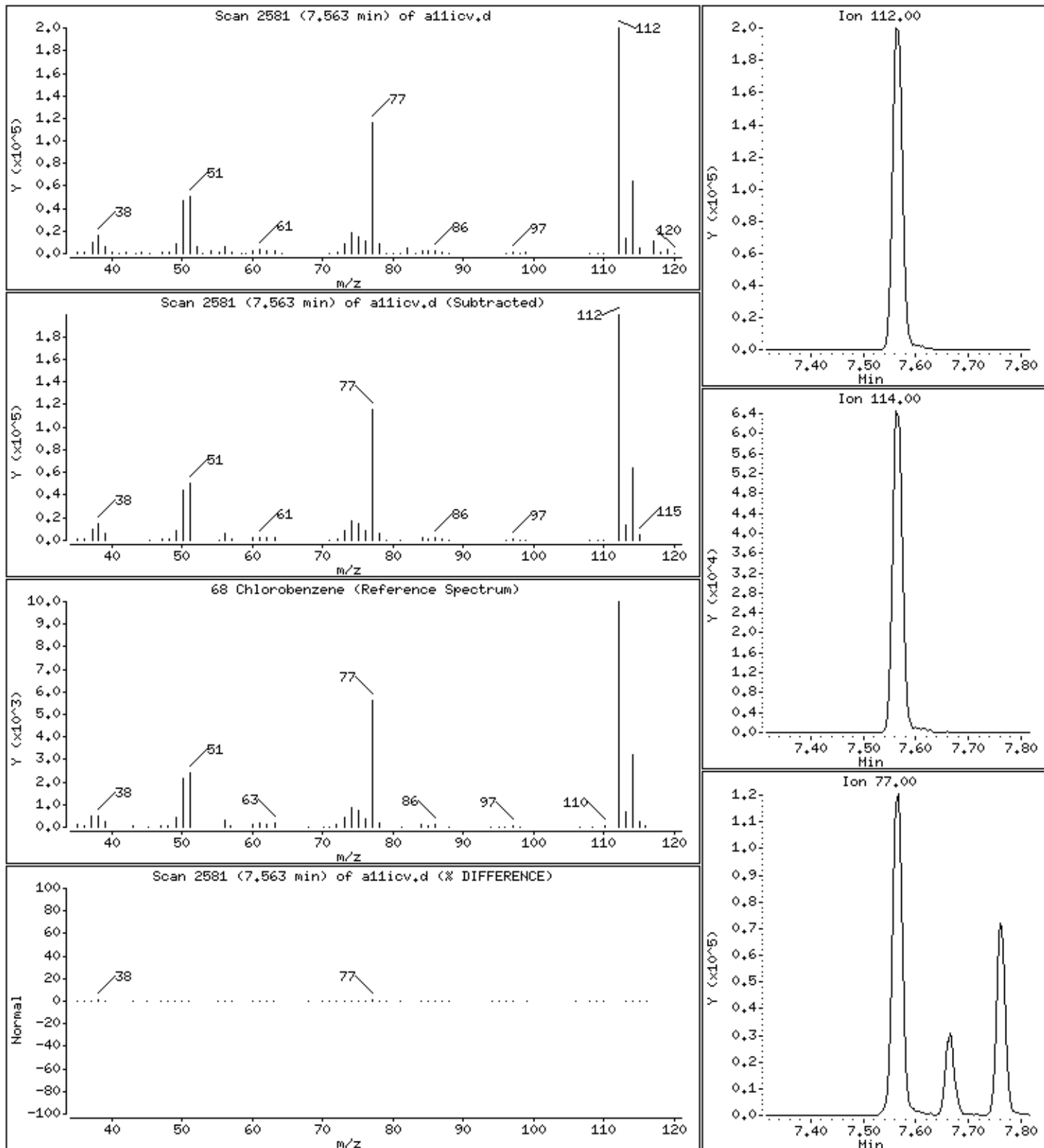
Operator: amv

Column phase: DB-624

Column diameter: 0,18

68 Chlorobenzene

Concentration: 50,2 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mw2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

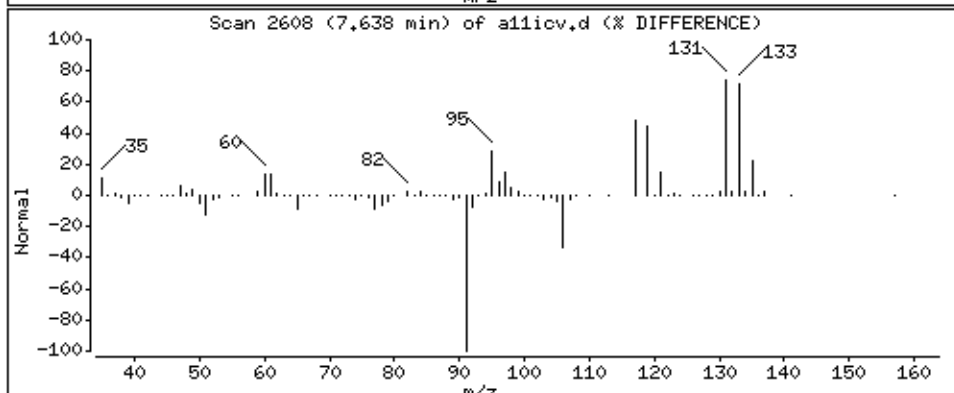
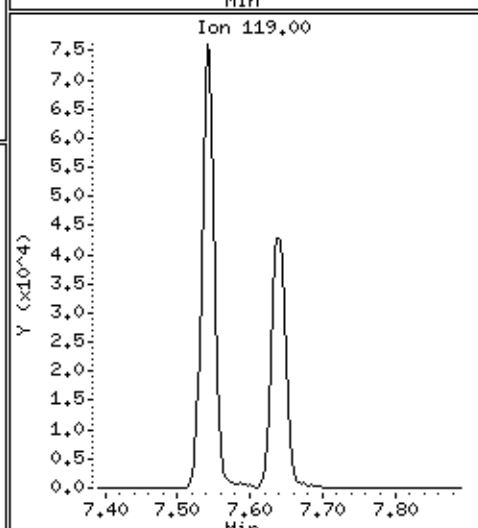
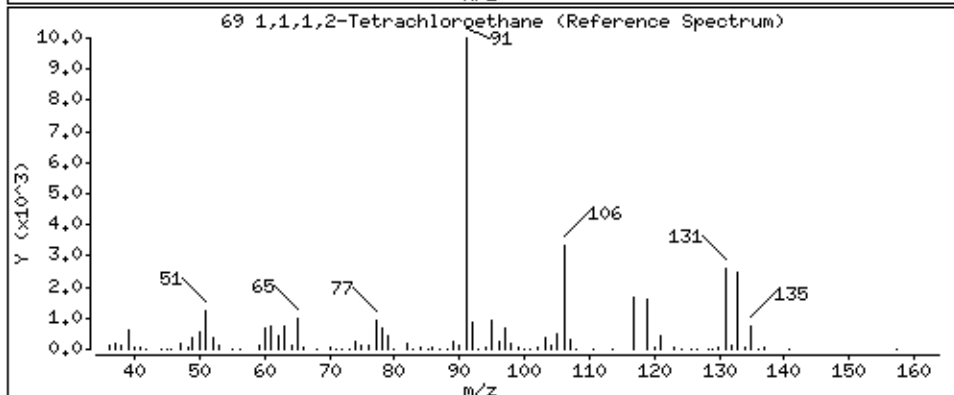
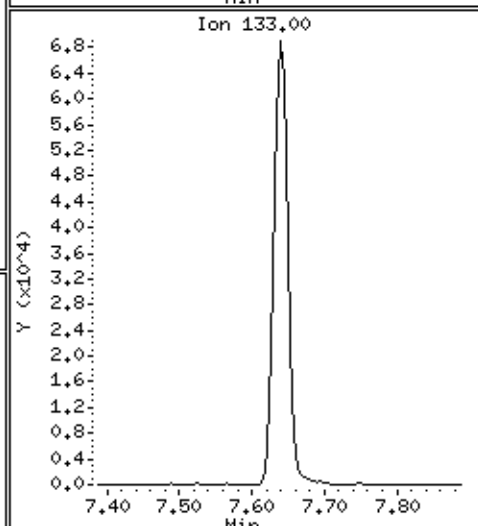
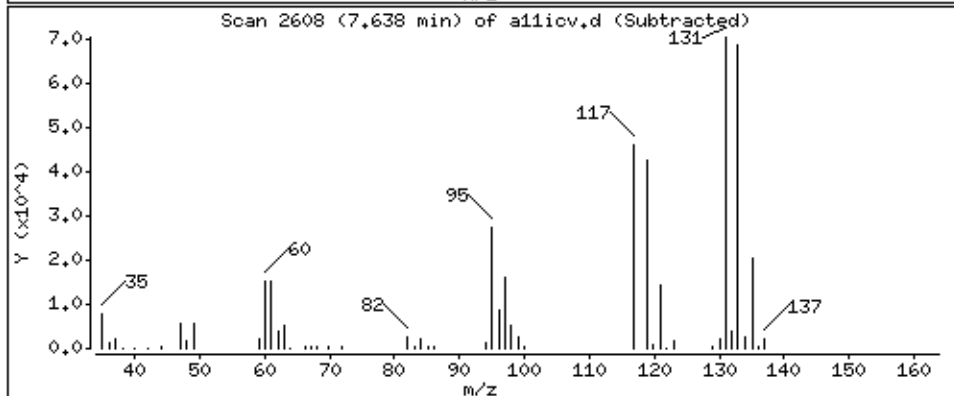
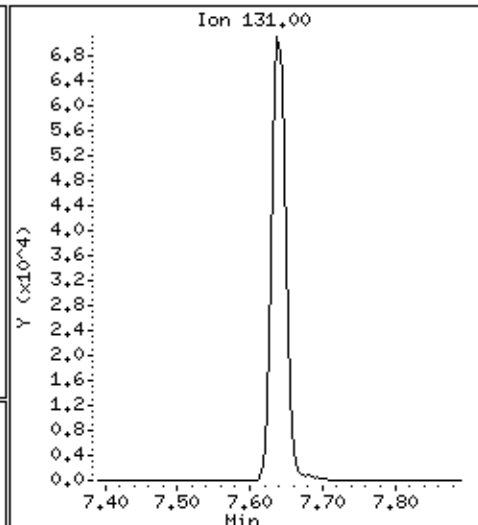
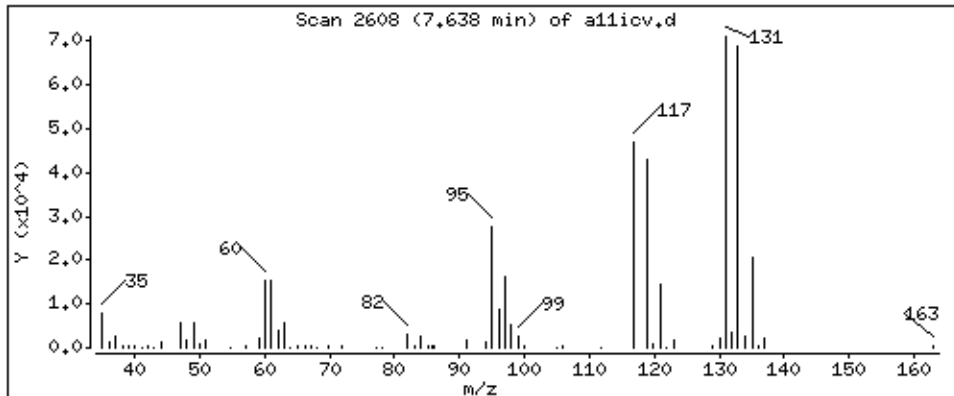
Operator: amv

Column phase: DB-624

Column diameter: 0,18

69 1,1,1,2-Tetrachloroethane

Concentration: 47.7 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

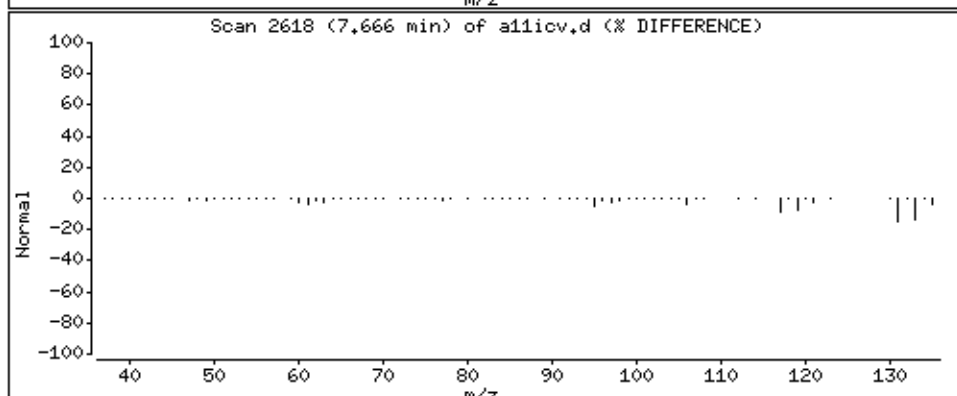
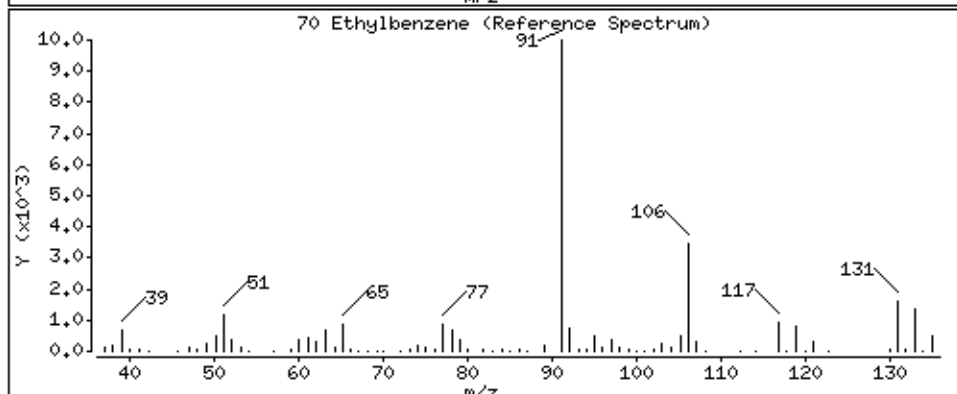
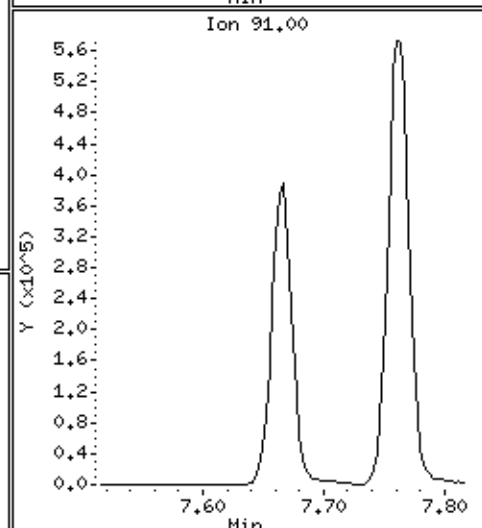
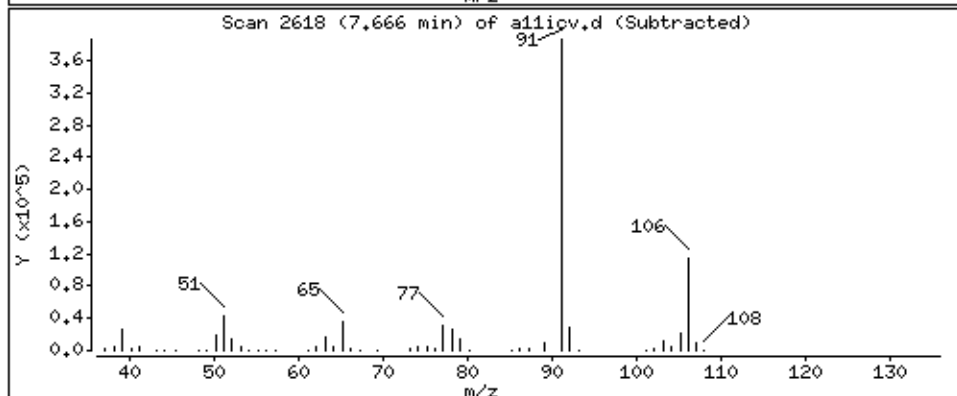
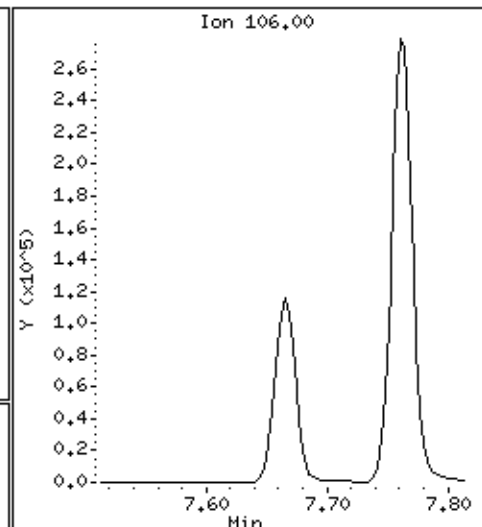
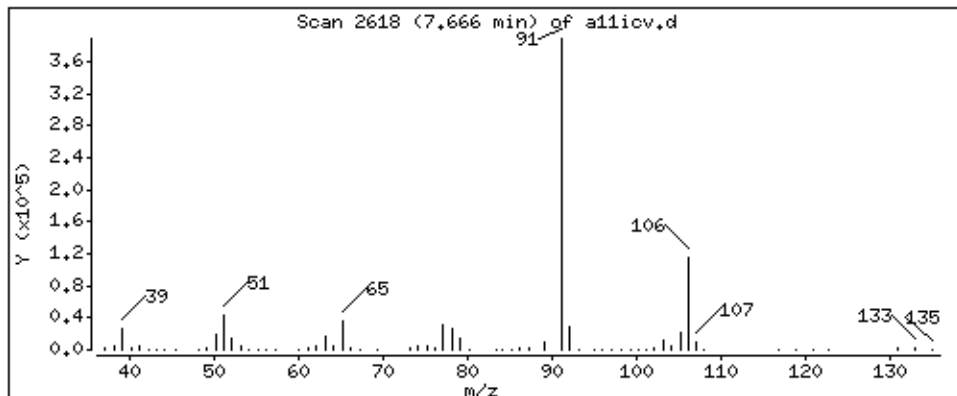
Operator: amv

Column phase: DB-624

Column diameter: 0,18

70 Ethylbenzene

Concentration: 48,2 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

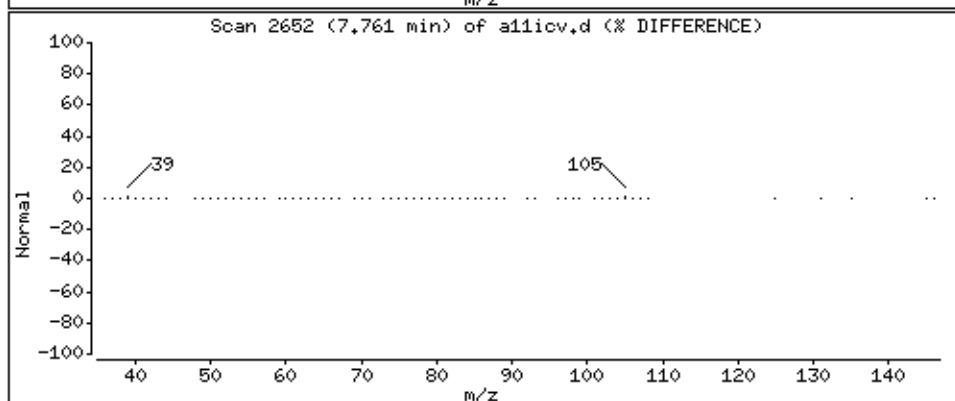
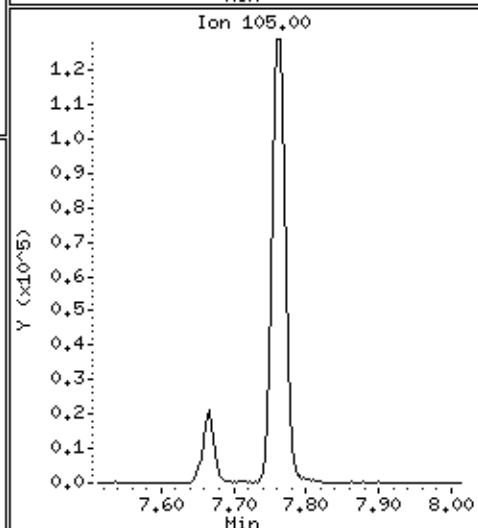
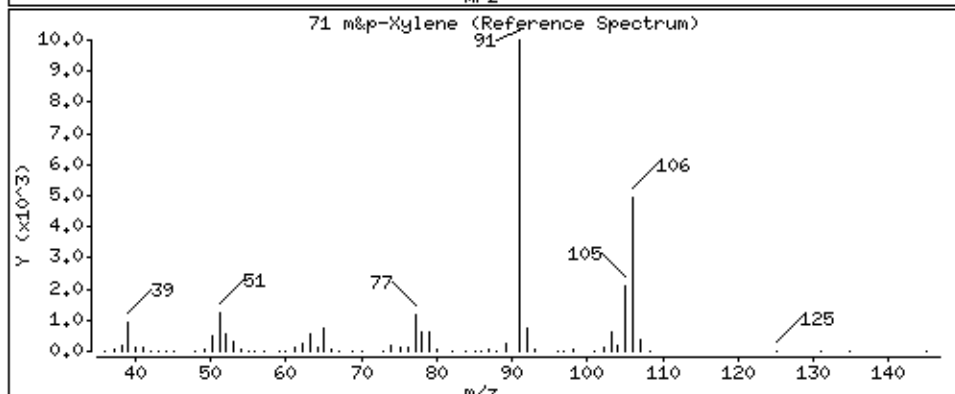
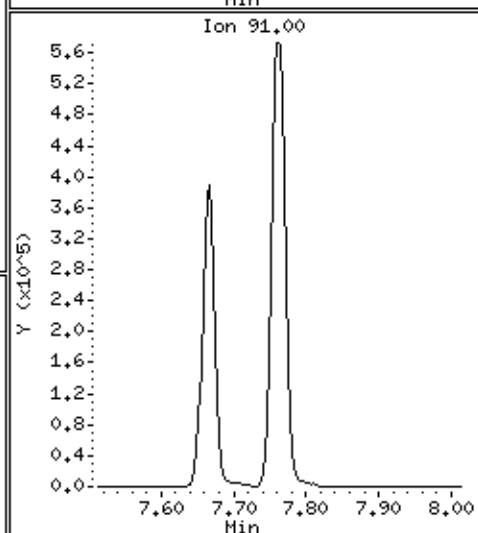
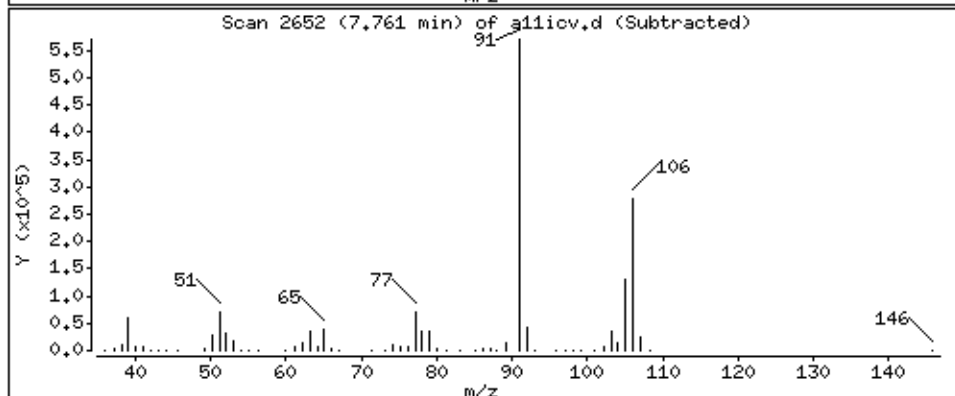
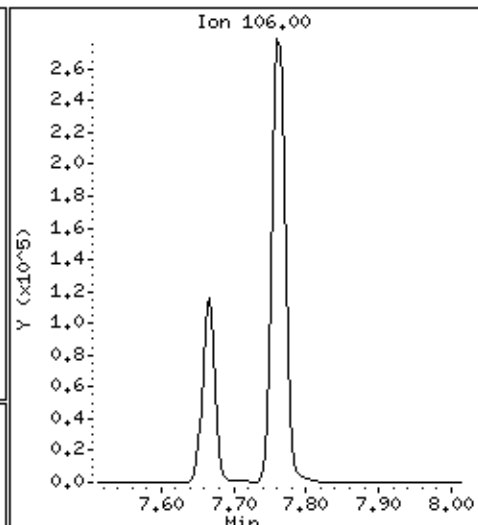
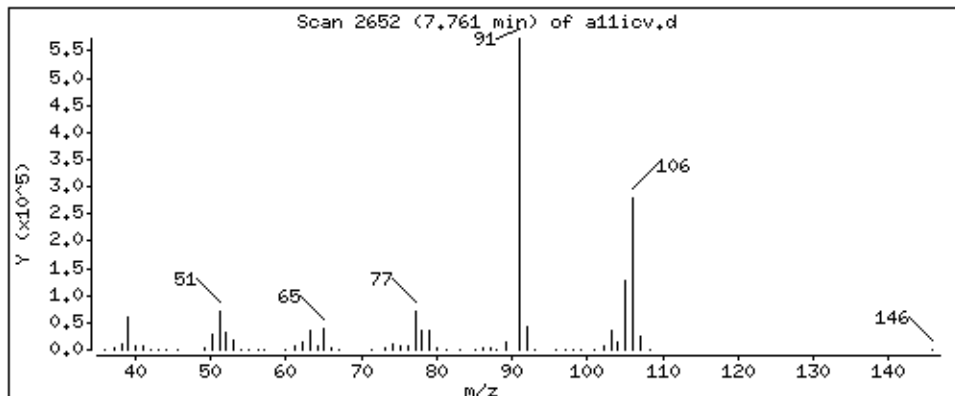
Operator: amv

Column phase: DB-624

Column diameter: 0,18

71 m&p-Xylene

Concentration: 94,9 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

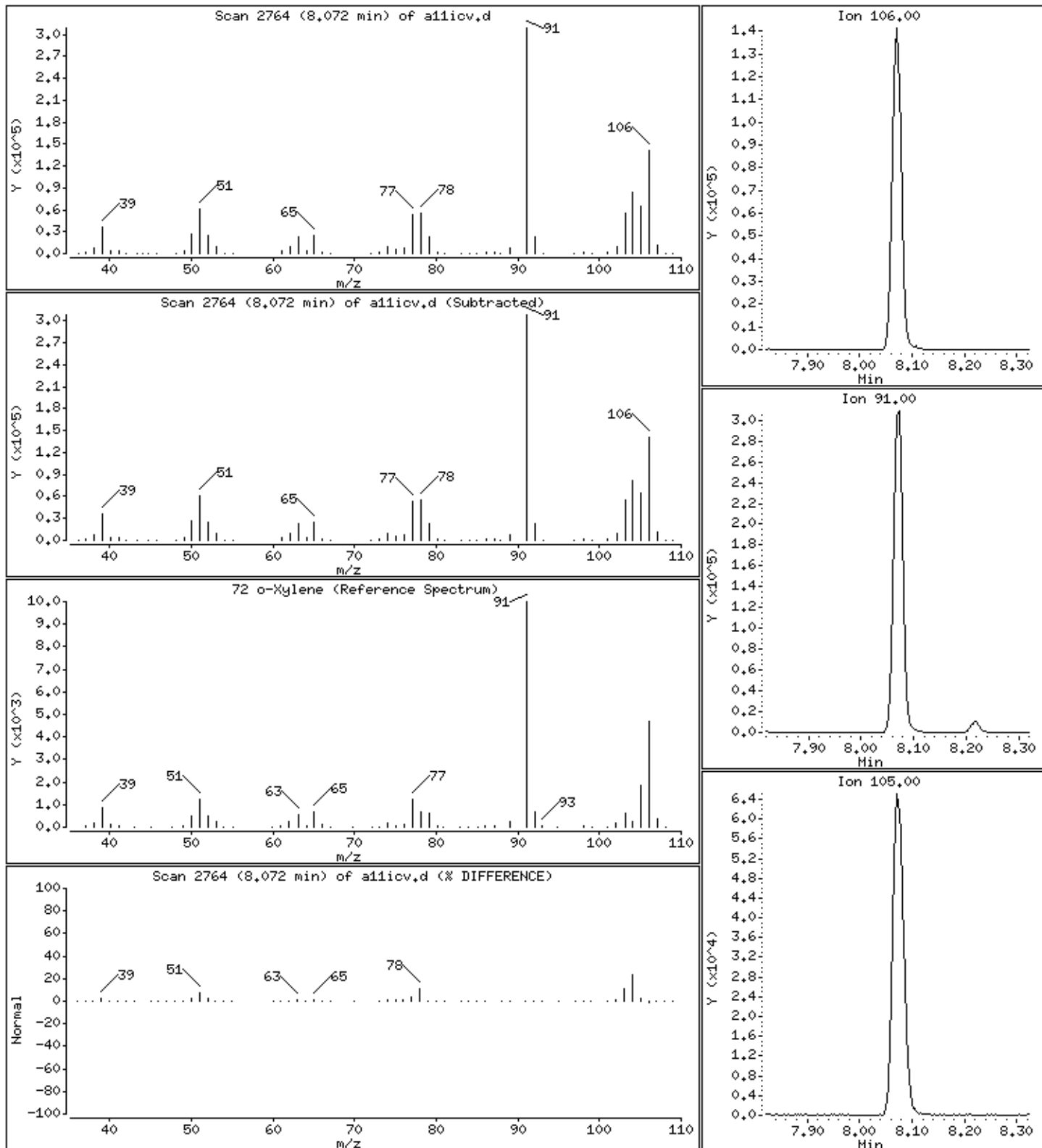
Operator: amv

Column phase: DB-624

Column diameter: 0,18

72 o-Xylene

Concentration: 48,7 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

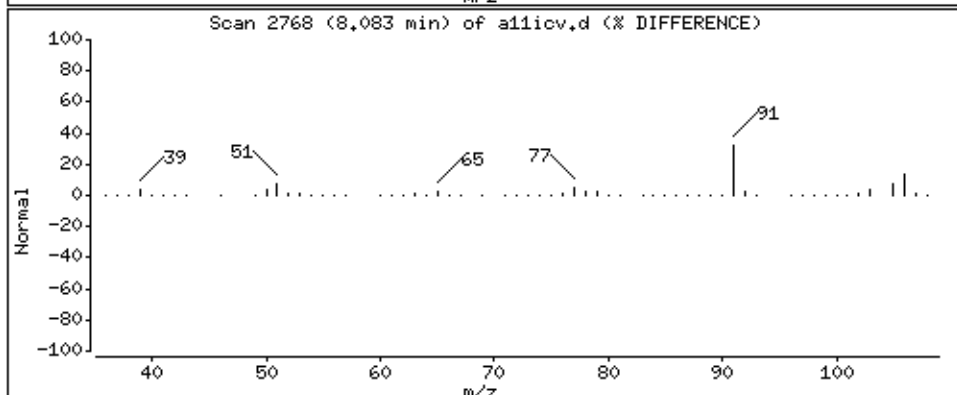
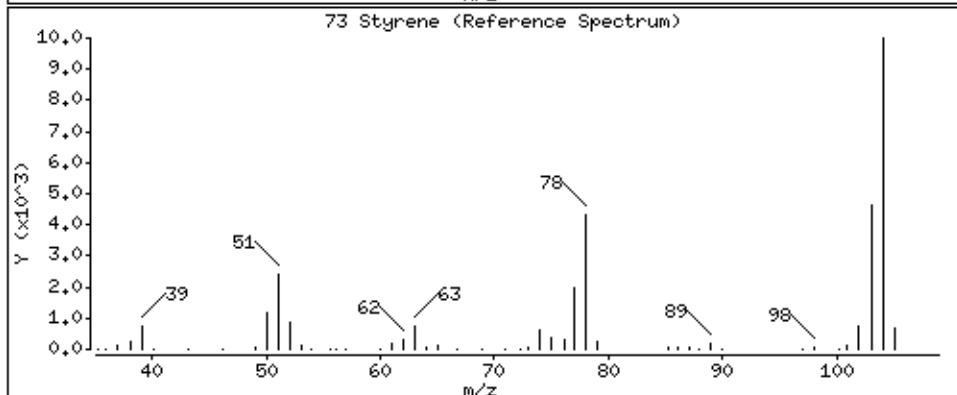
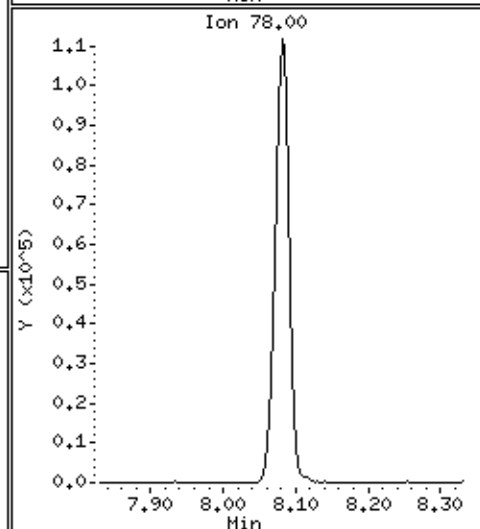
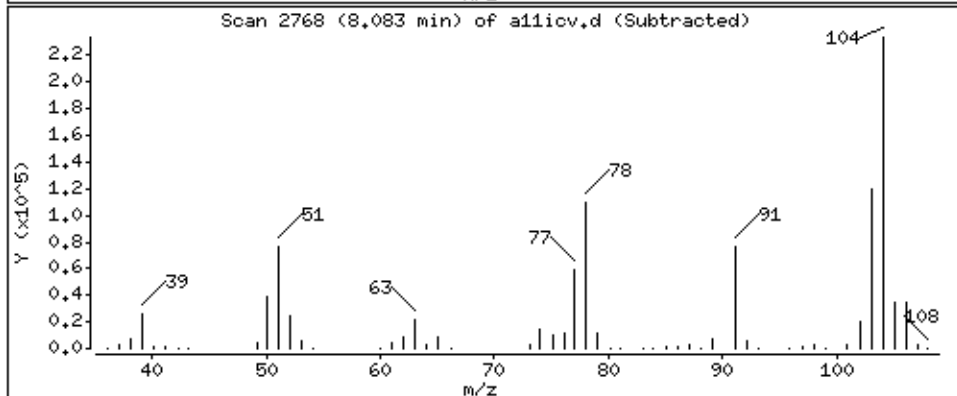
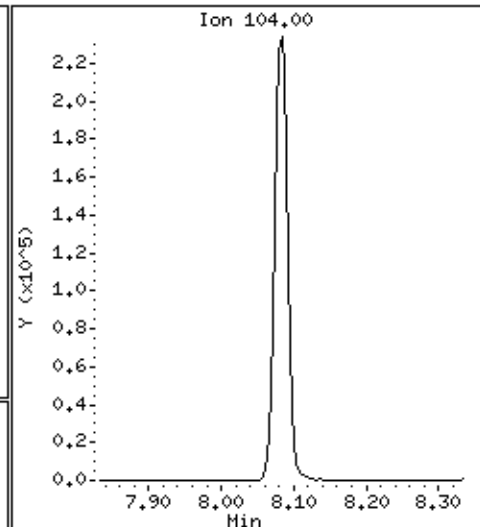
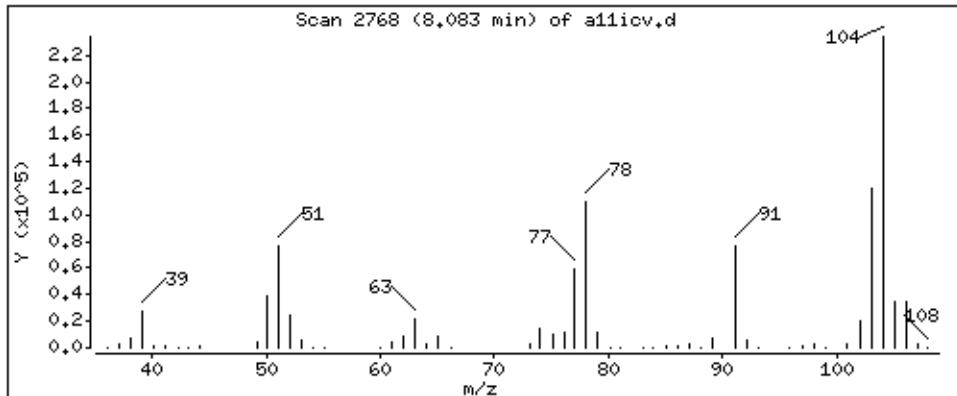
Operator: amv

Column phase: DB-624

Column diameter: 0,18

73 Styrene

Concentration: 48,8 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

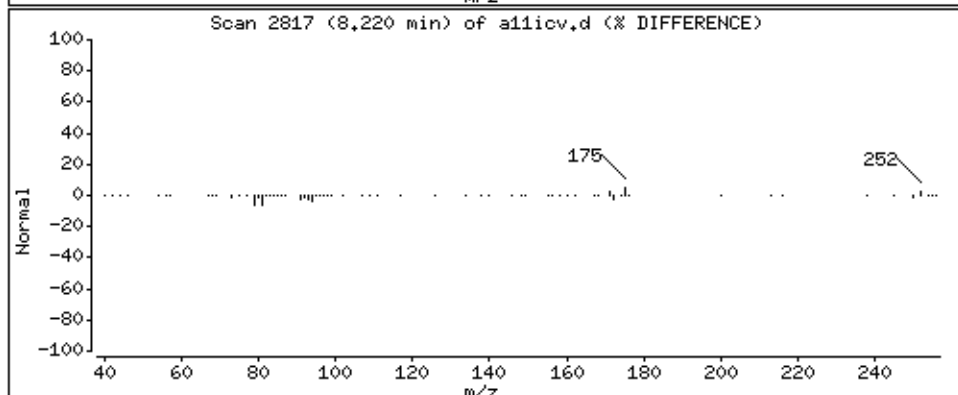
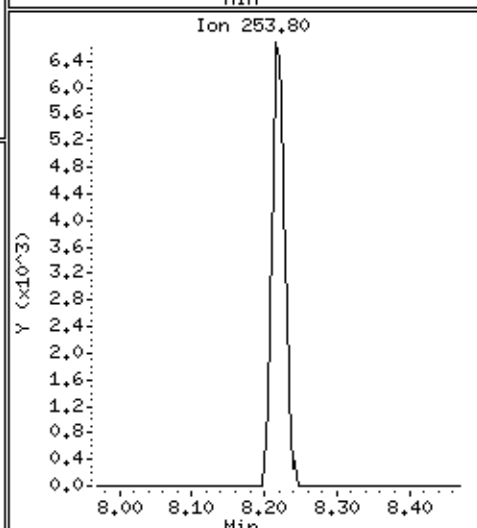
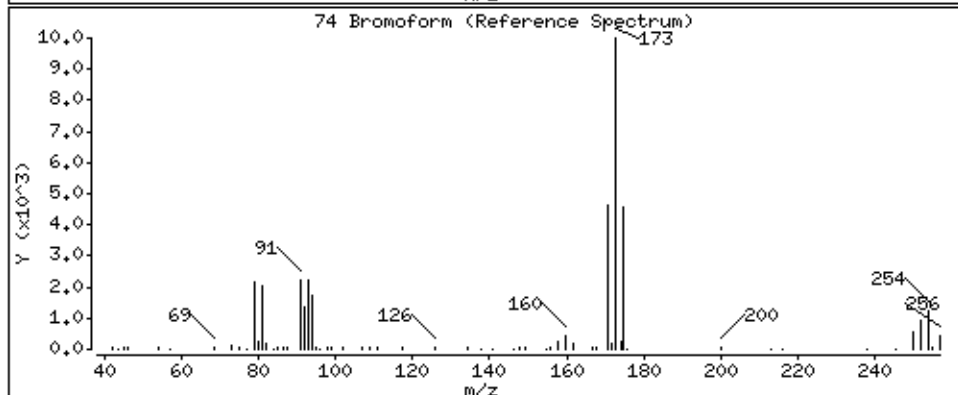
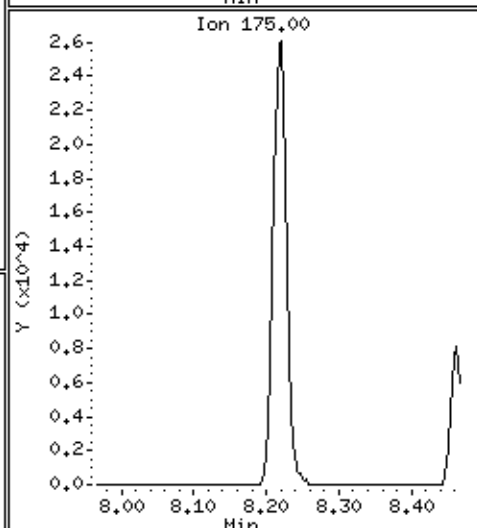
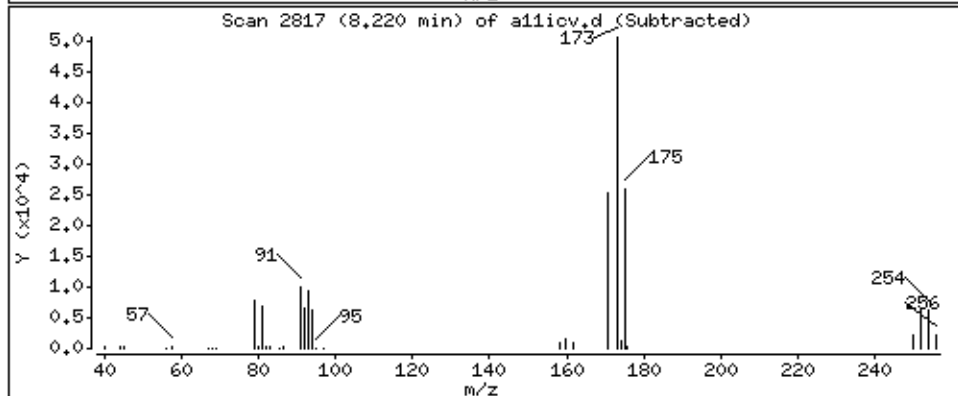
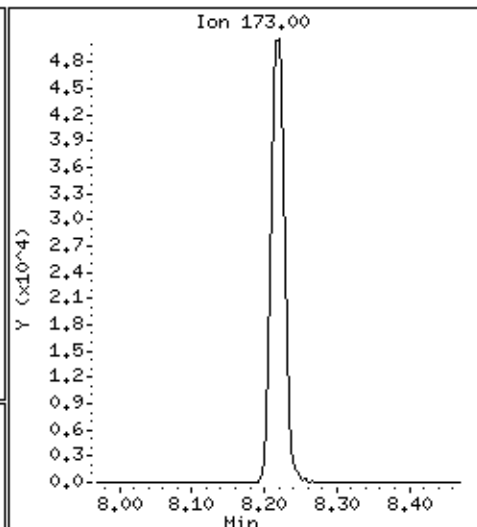
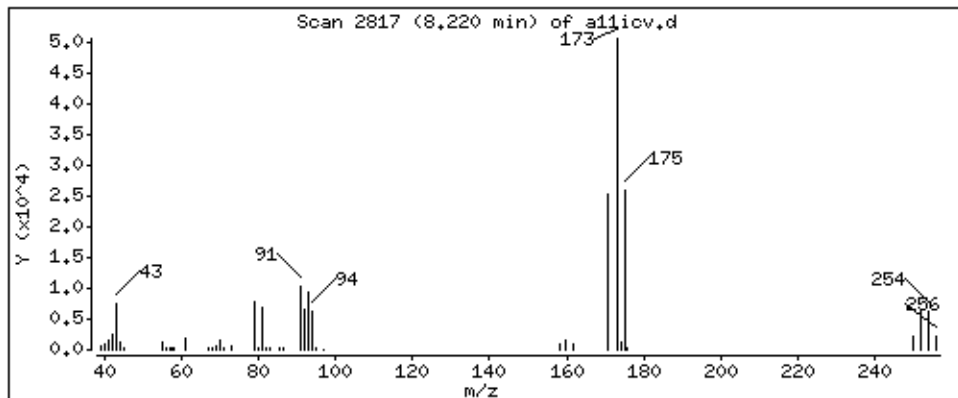
Operator: amv

Column phase: DB-624

Column diameter: 0,18

74 Bromoform

Concentration: 45,9 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mw2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

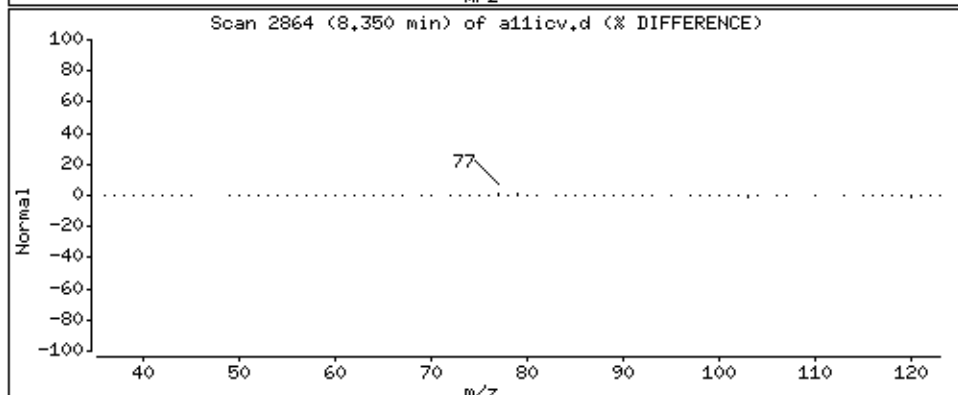
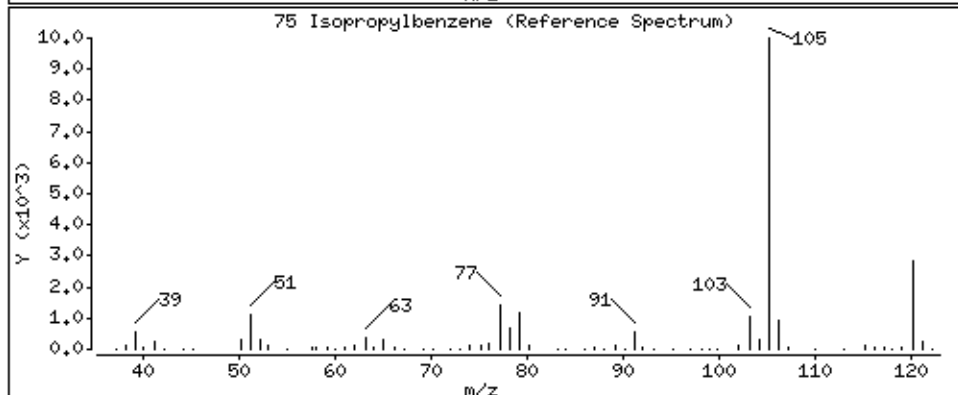
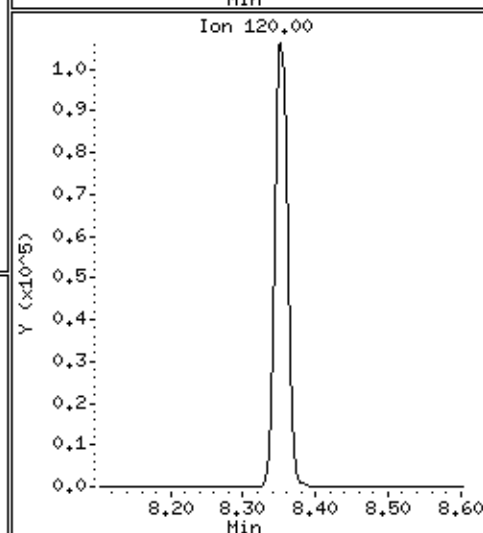
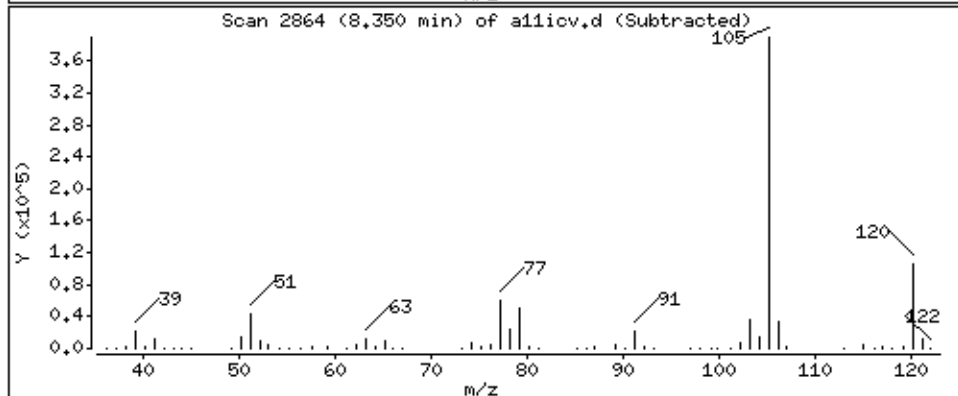
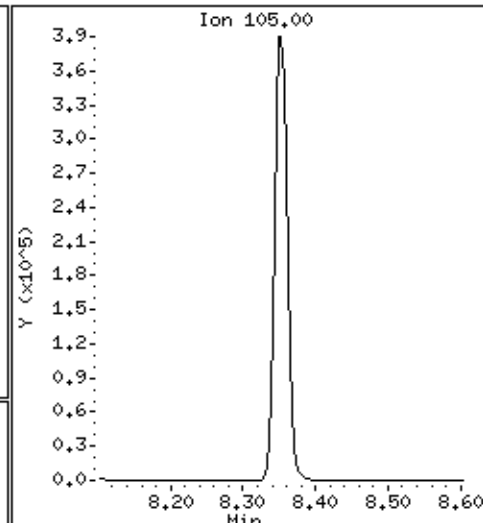
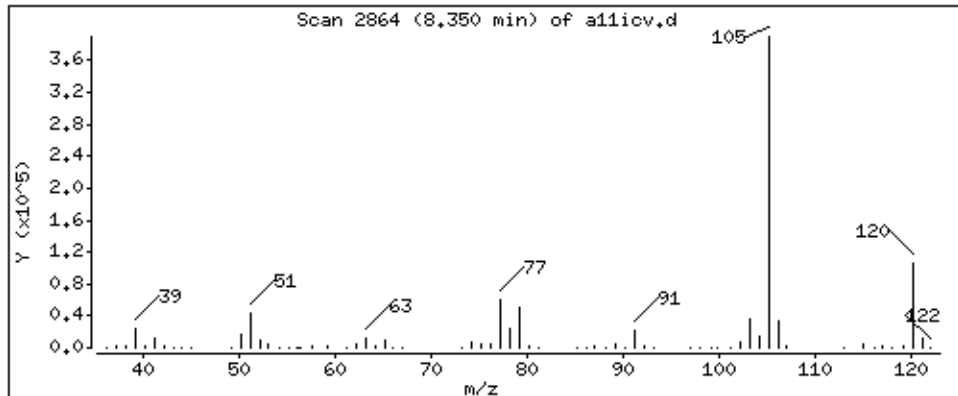
Operator: amv

Column phase: DB-624

Column diameter: 0,18

75 Isopropylbenzene

Concentration: 47.3 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

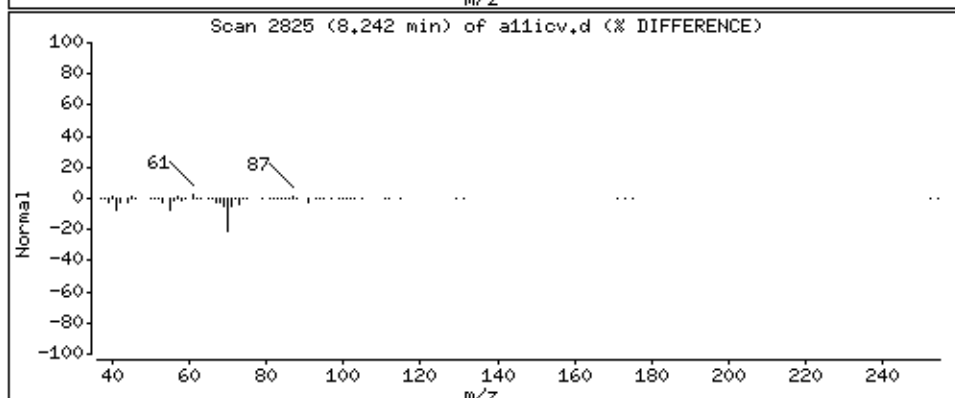
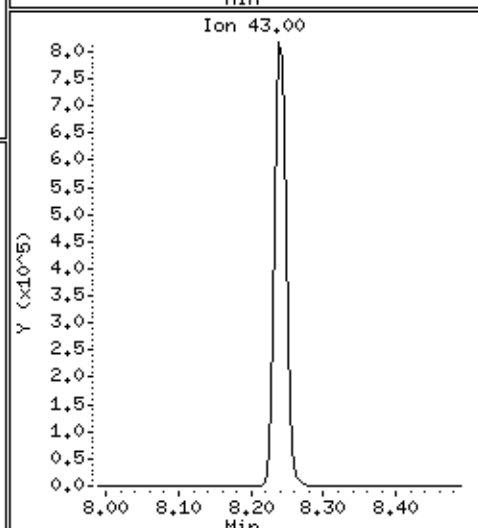
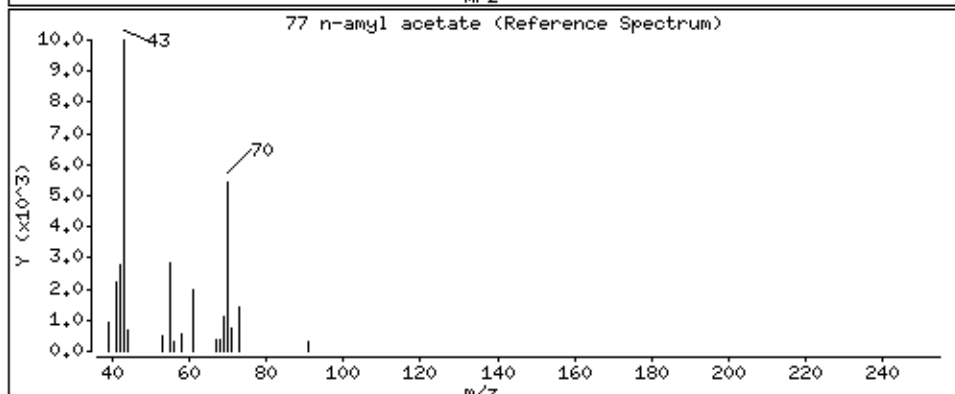
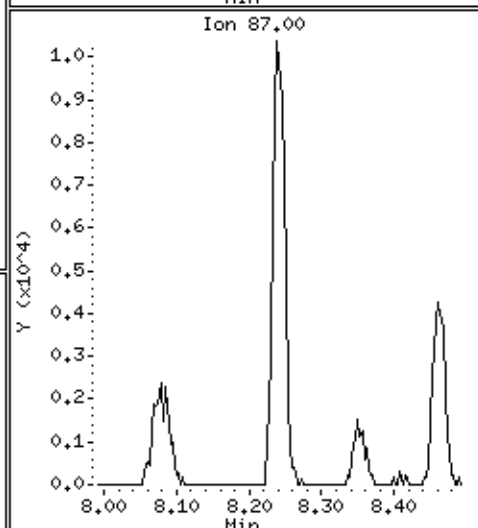
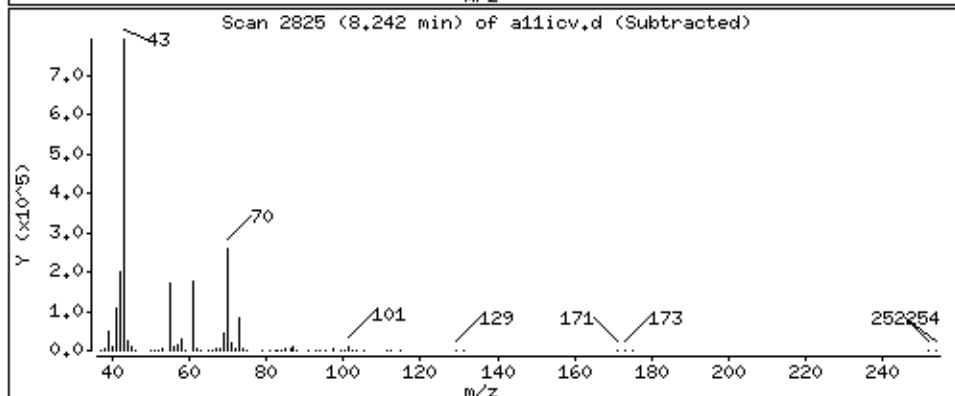
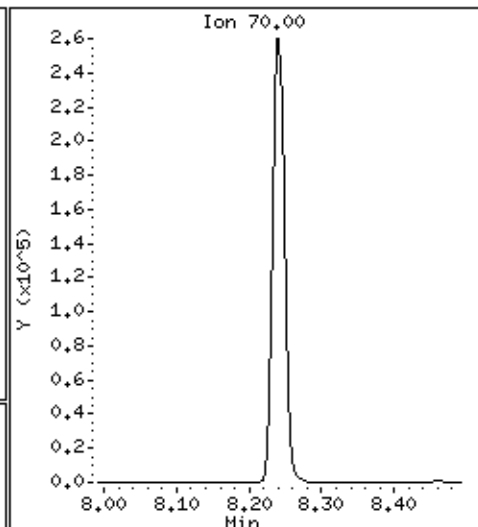
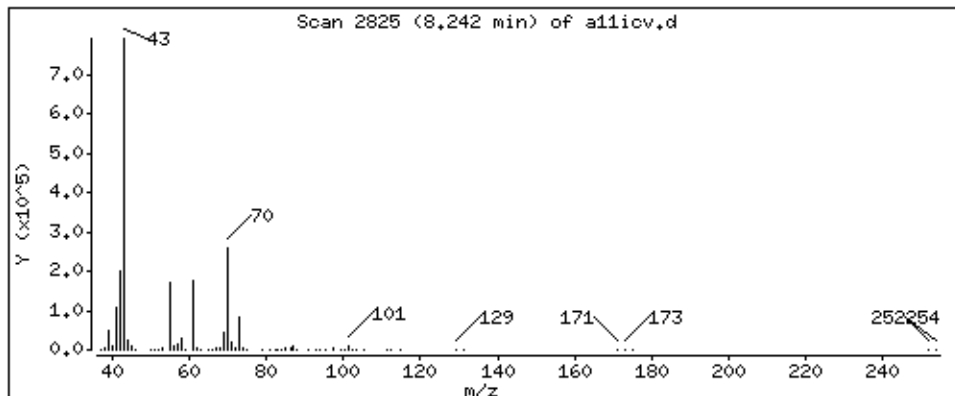
Operator: amv

Column phase: DB-624

Column diameter: 0,18

77 n-nyl acetate

Concentration: 208 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

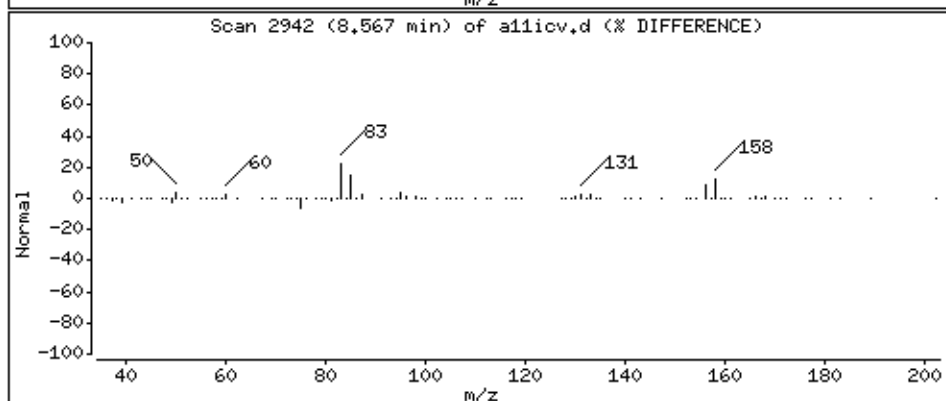
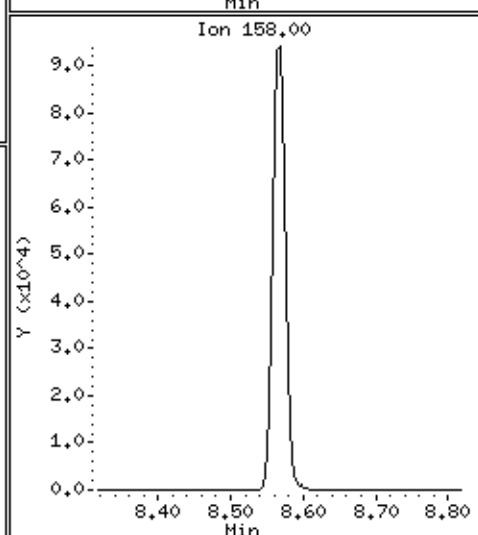
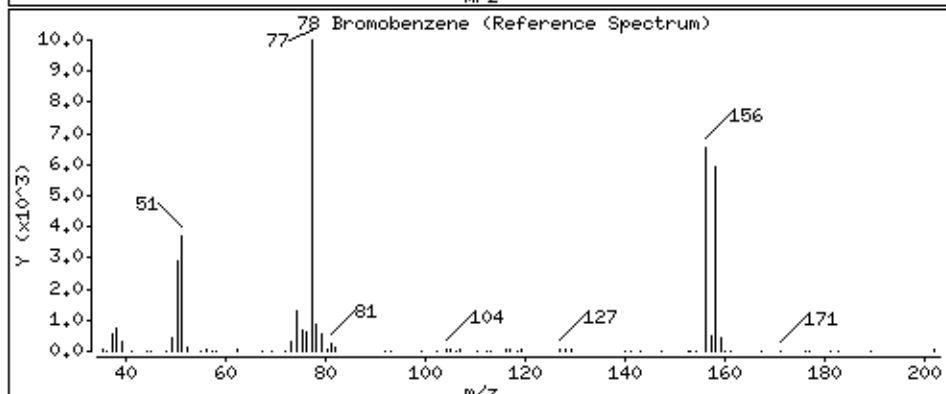
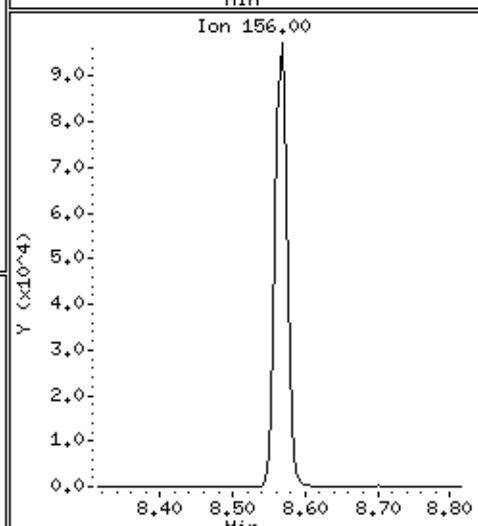
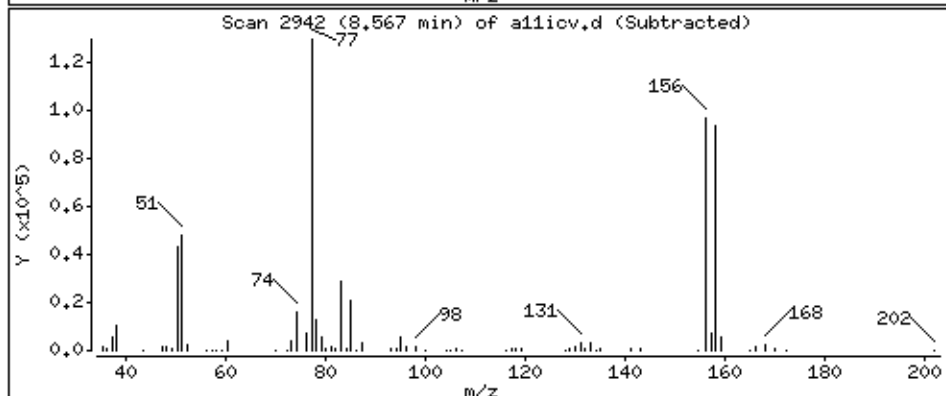
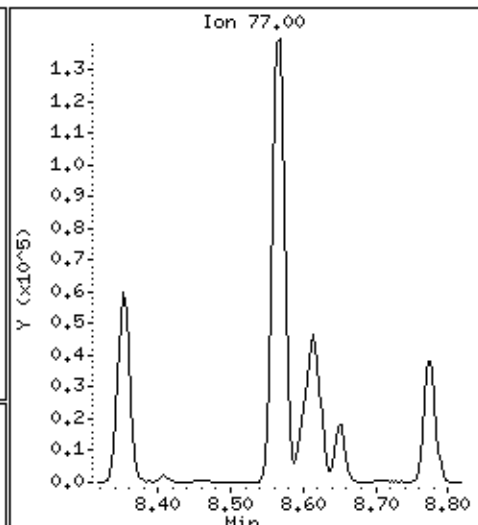
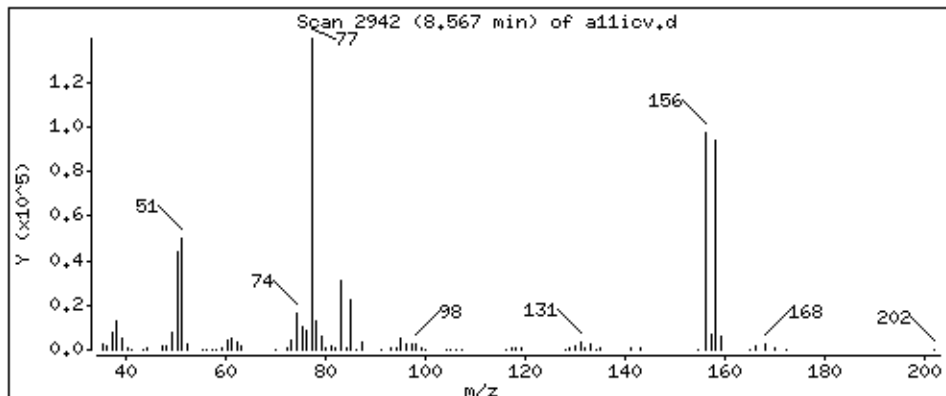
Operator: amv

Column phase: DB-624

Column diameter: 0,18

78 Bromobenzene

Concentration: 49.7 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

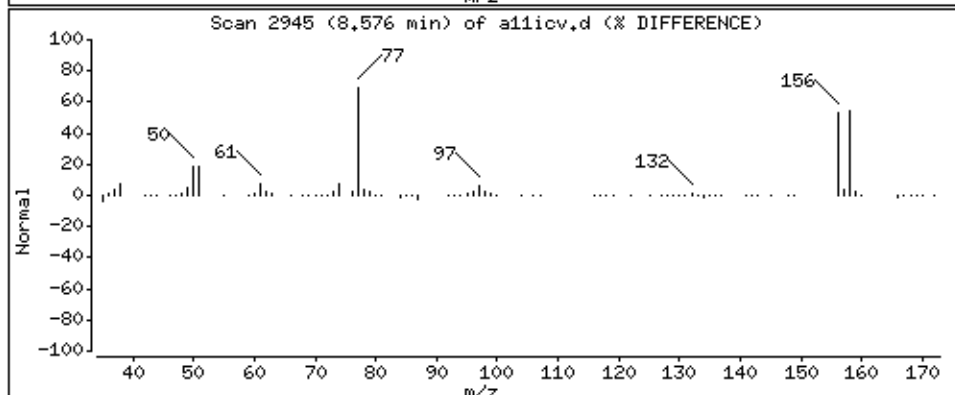
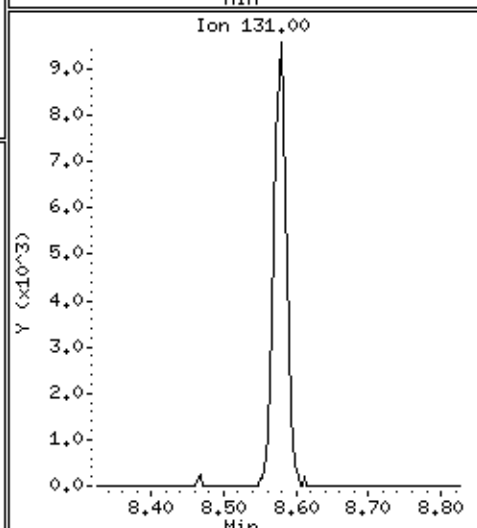
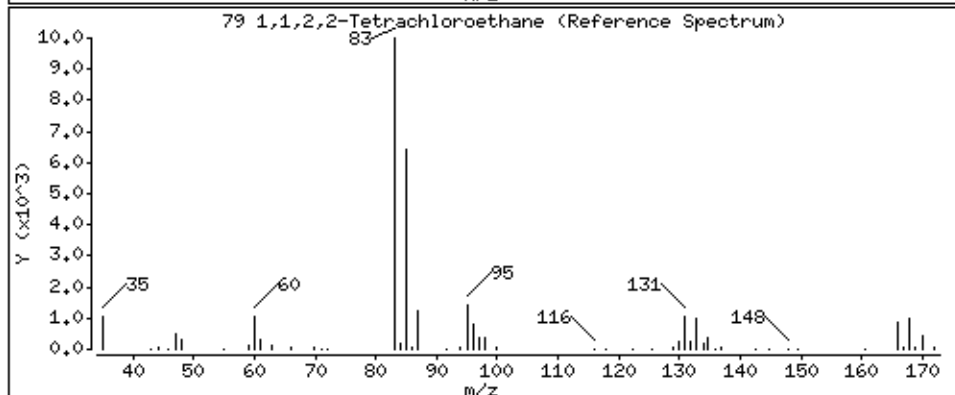
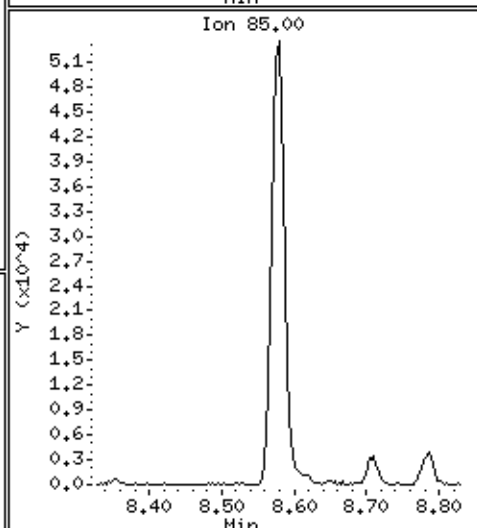
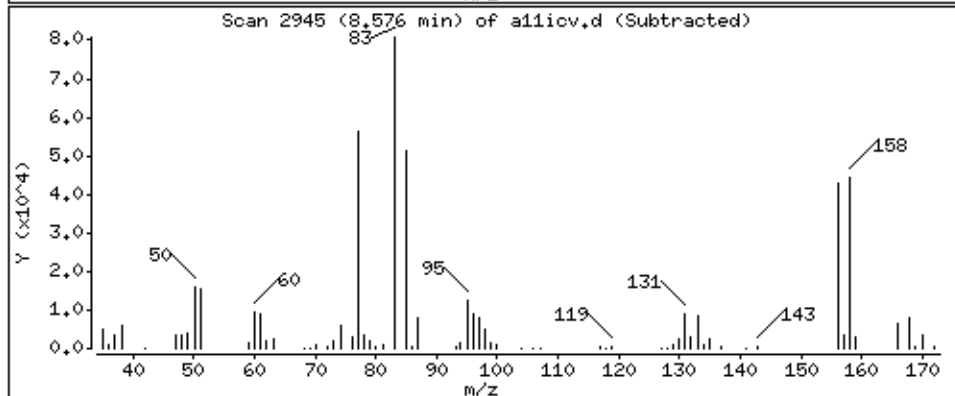
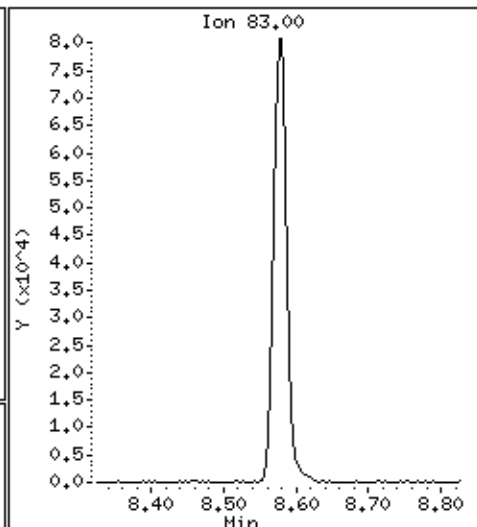
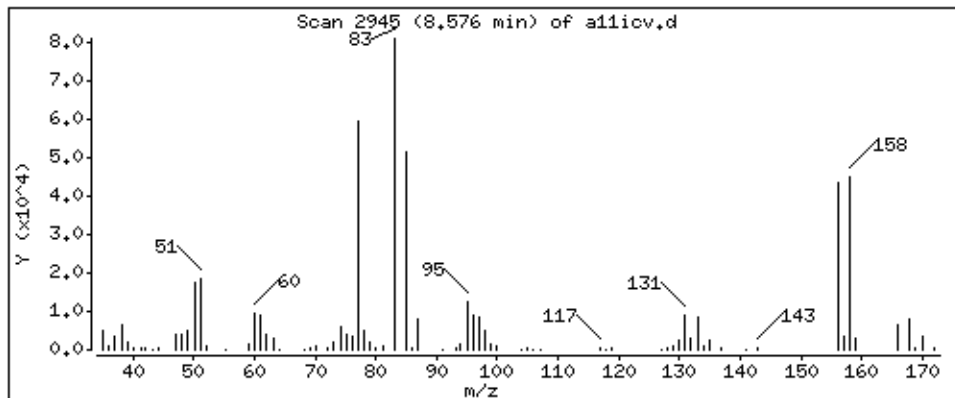
Operator: amv

Column phase: DB-624

Column diameter: 0,18

79 1,1,2,2-Tetrachloroethane

Concentration: 44,4 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

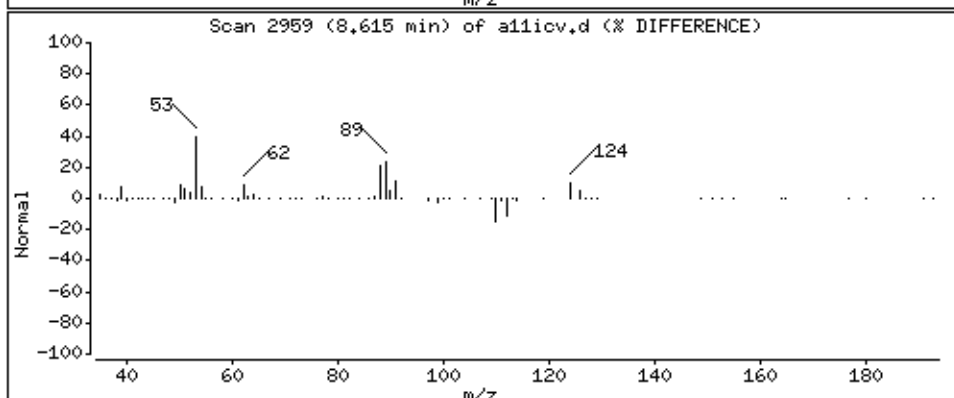
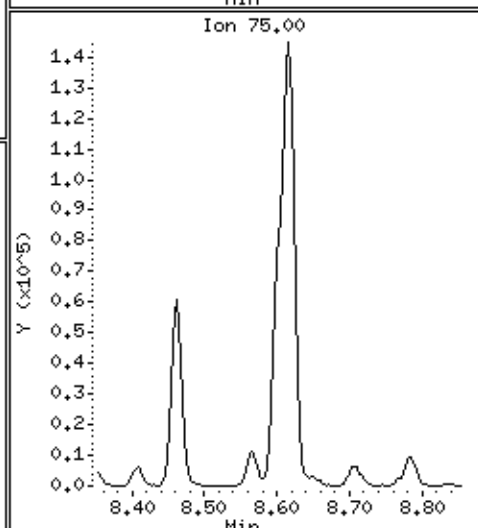
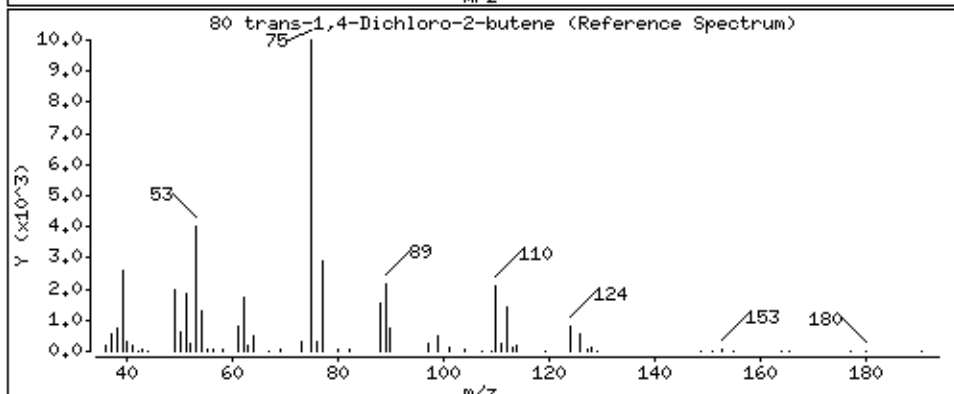
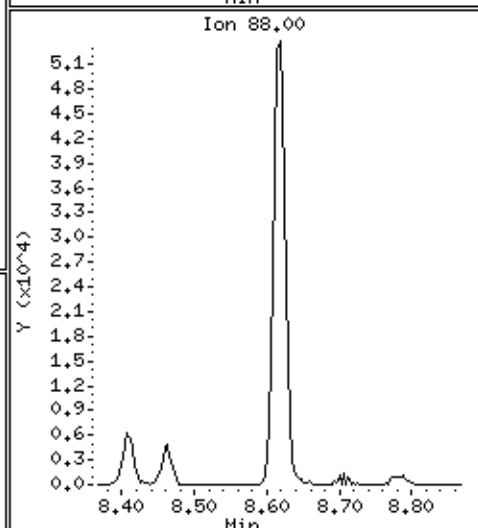
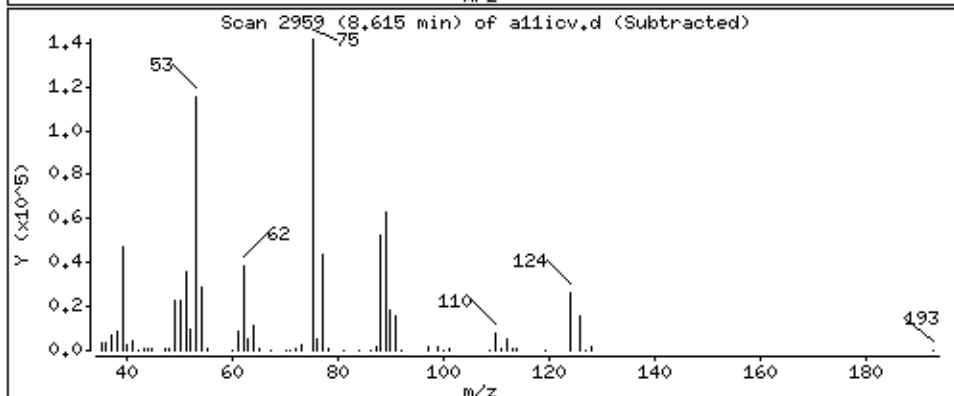
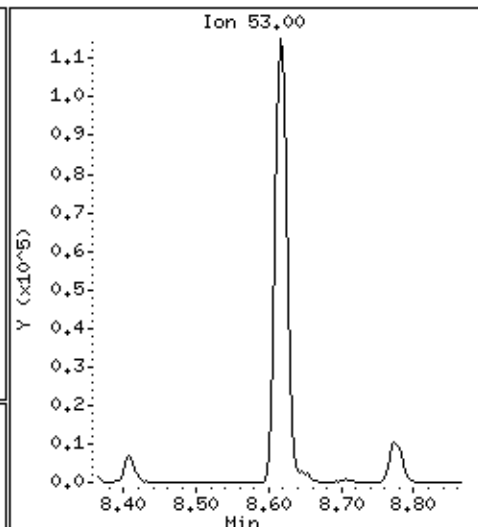
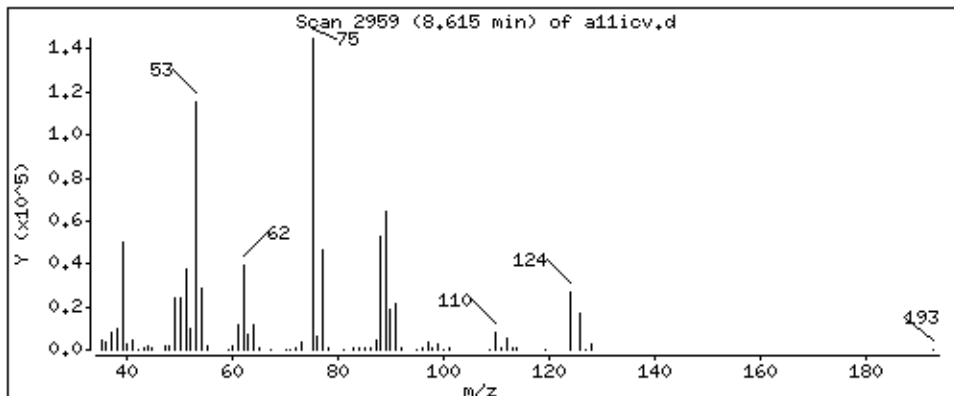
Operator: amv

Column phase: DB-624

Column diameter: 0,18

80 trans-1,4-Dichloro-2-butene

Concentration: 165 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

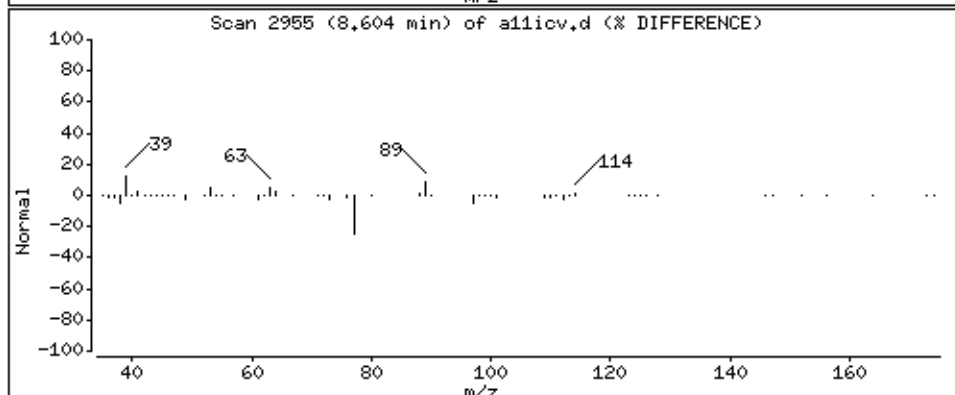
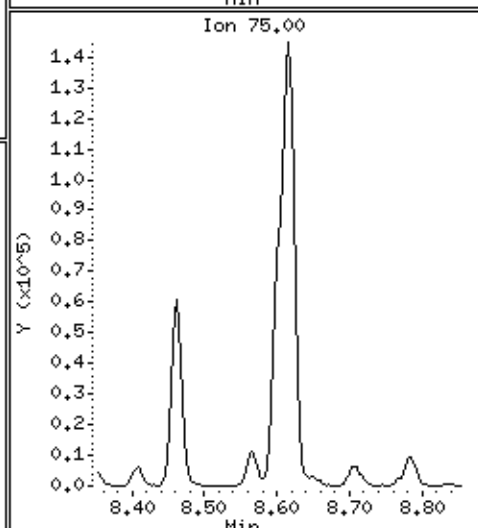
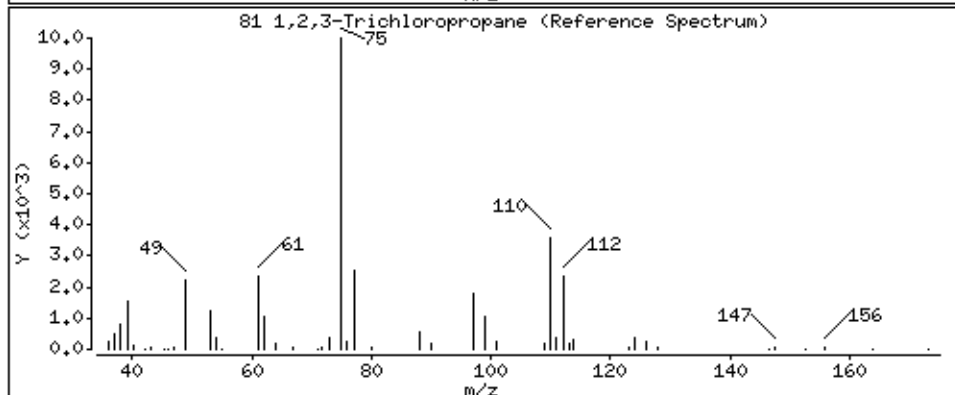
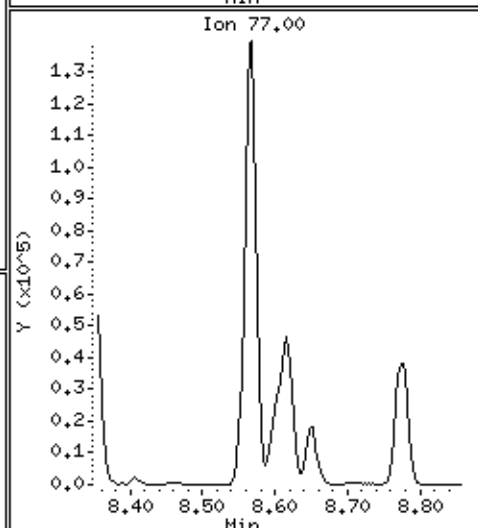
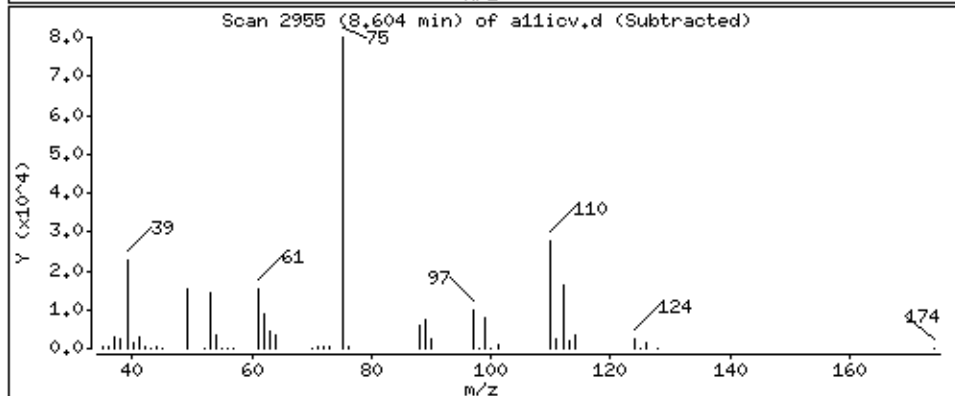
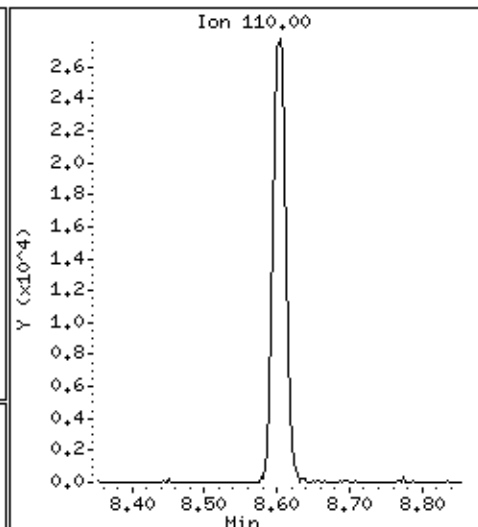
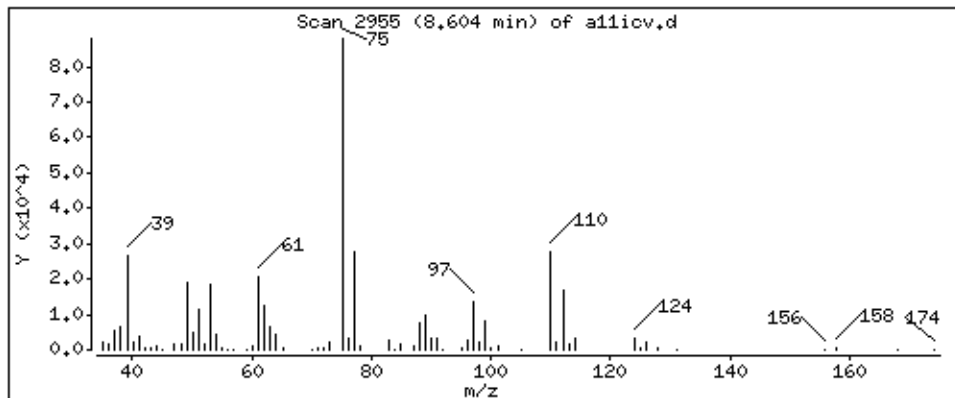
Operator: amv

Column phase: DB-624

Column diameter: 0,18

81 1,2,3-Trichloropropane

Concentration: 47.2 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mw2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

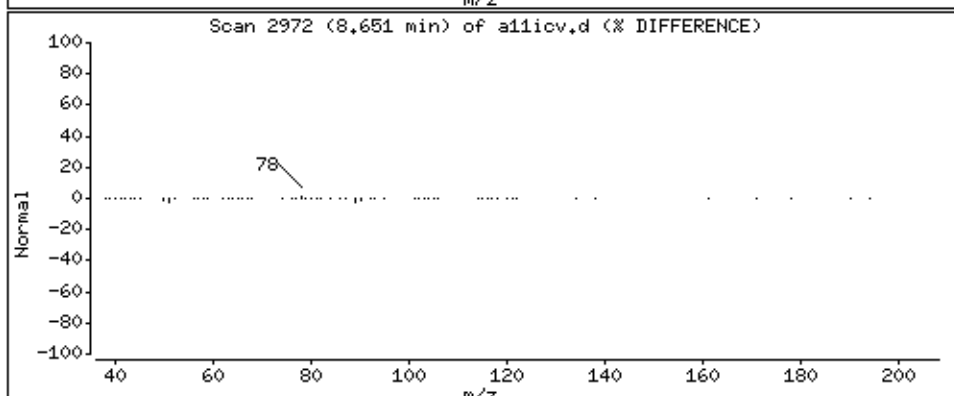
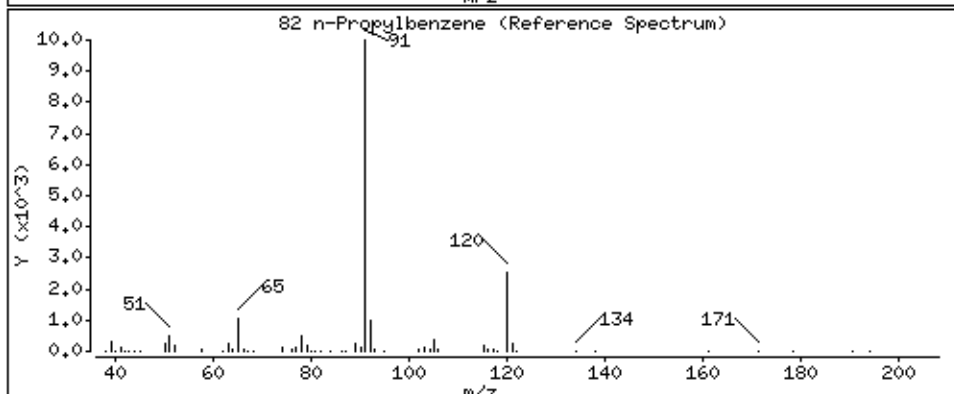
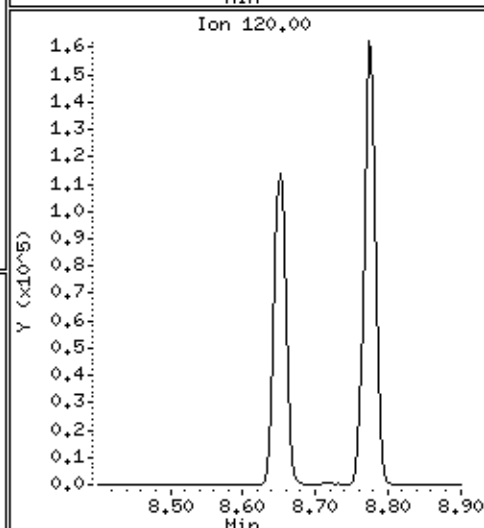
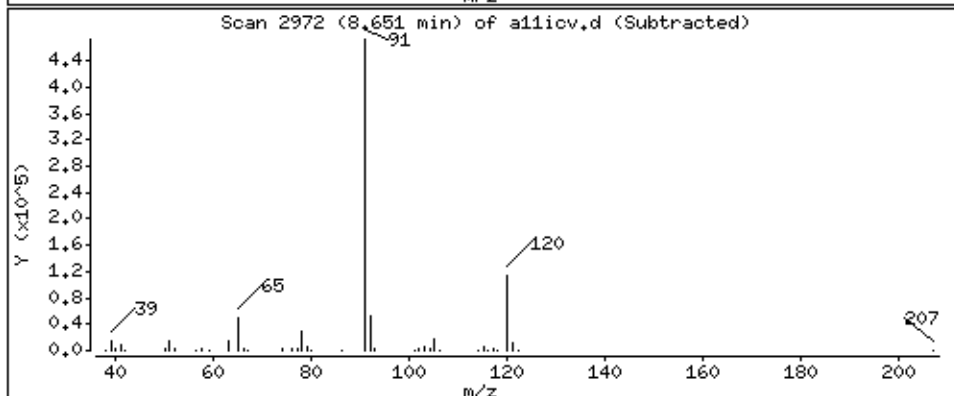
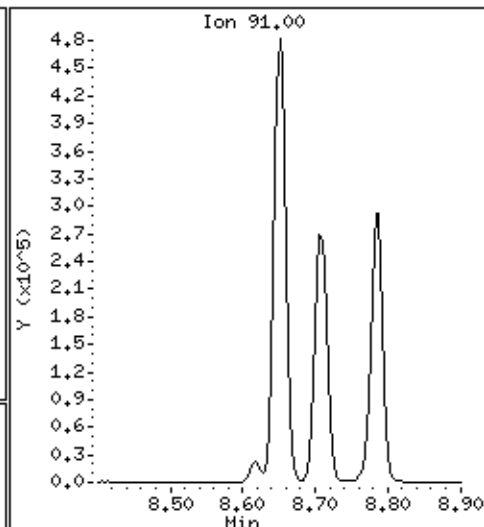
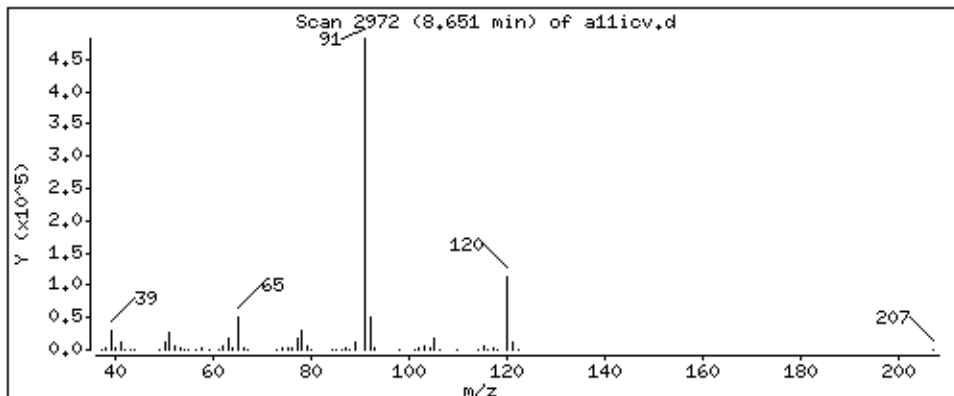
Operator: amv

Column phase: DB-624

Column diameter: 0,18

82 n-Propylbenzene

Concentration: 47.8 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

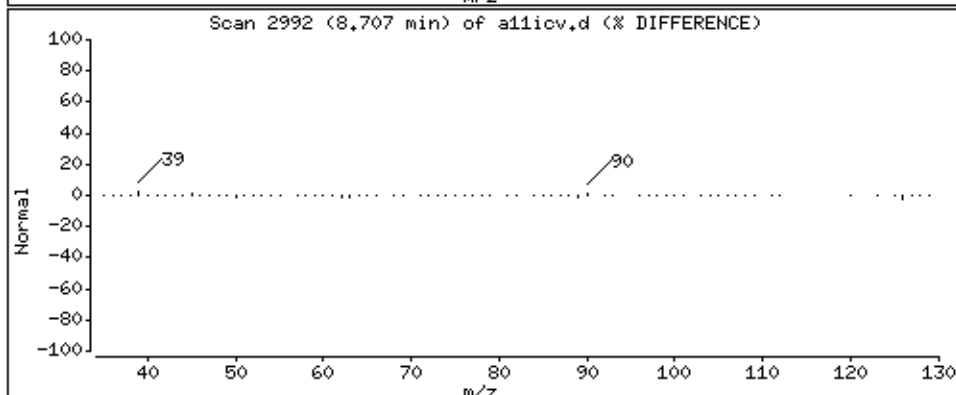
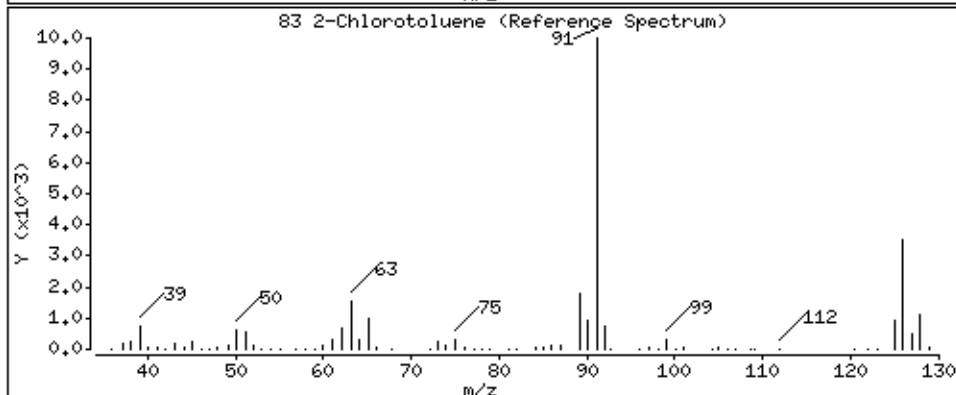
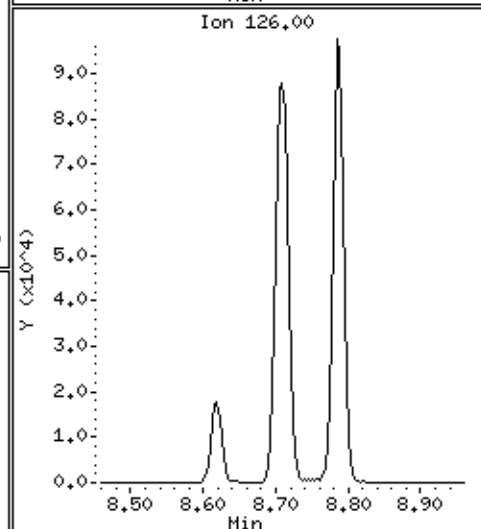
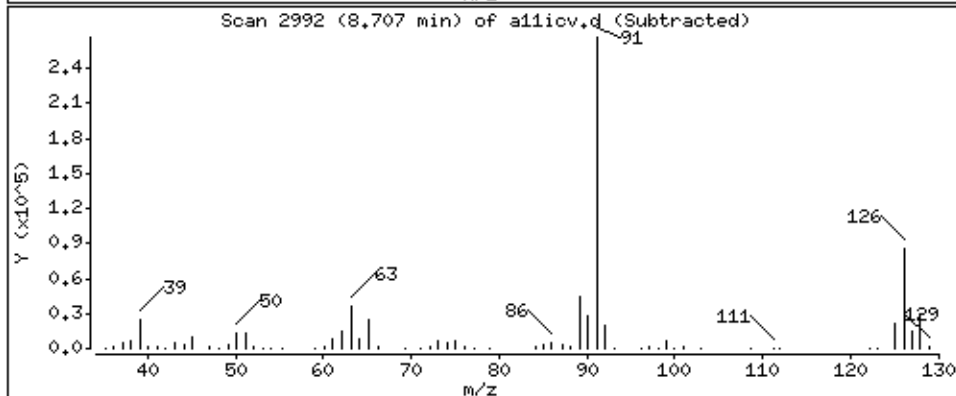
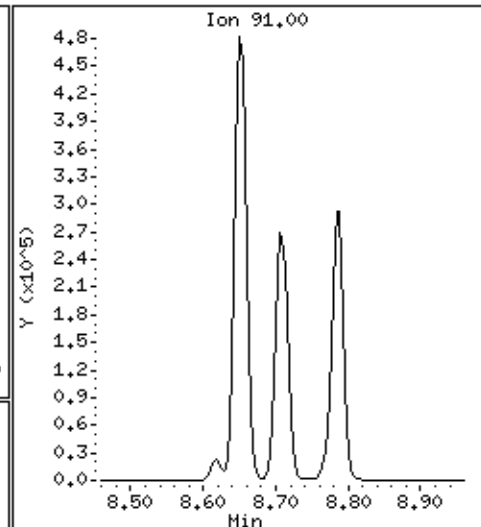
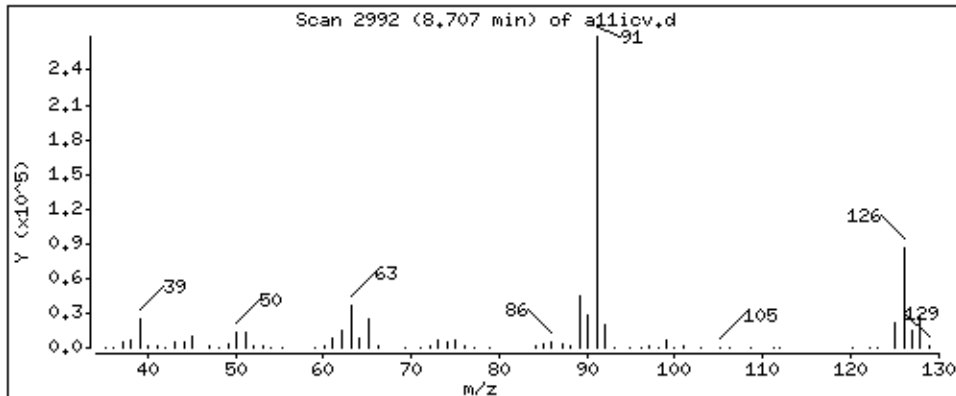
Operator: amv

Column phase: DB-624

Column diameter: 0,18

83 2-Chlorotoluene

Concentration: 51.7 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

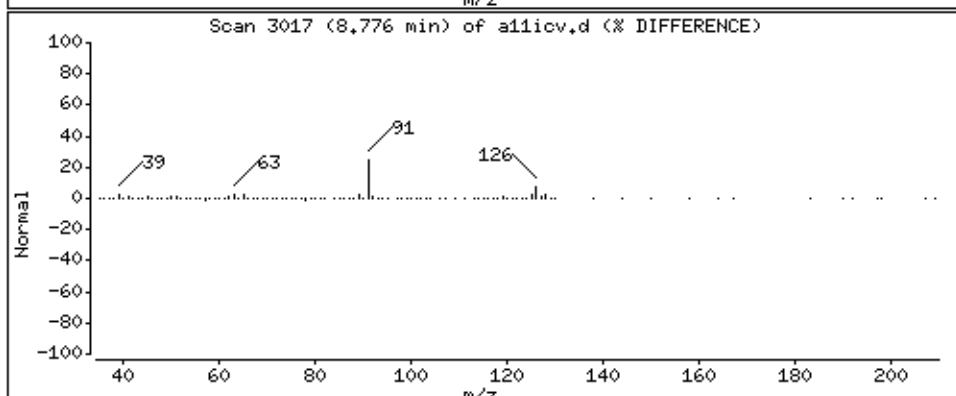
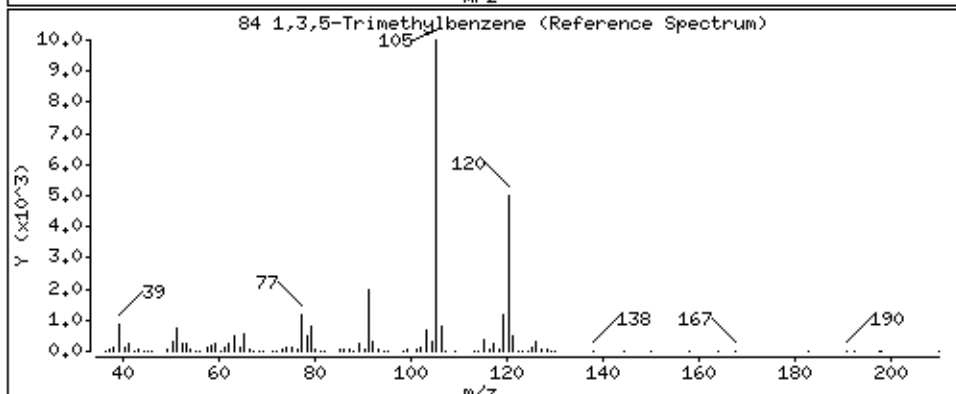
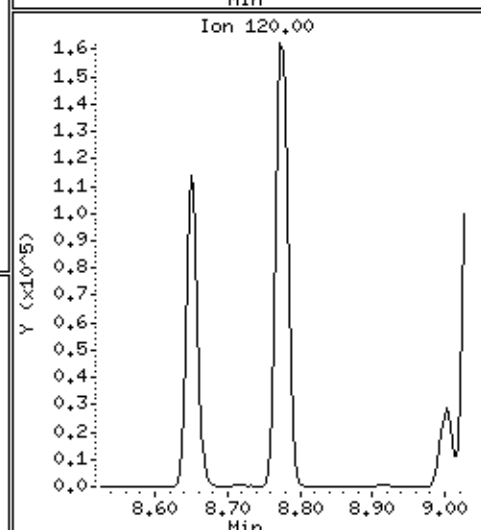
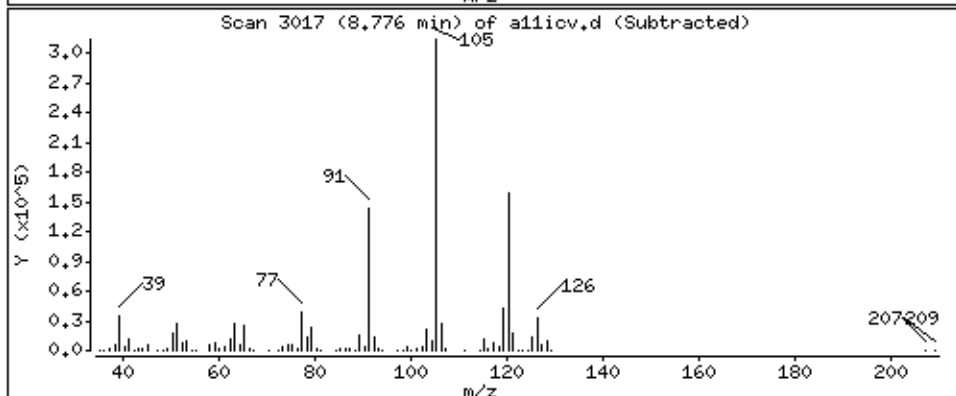
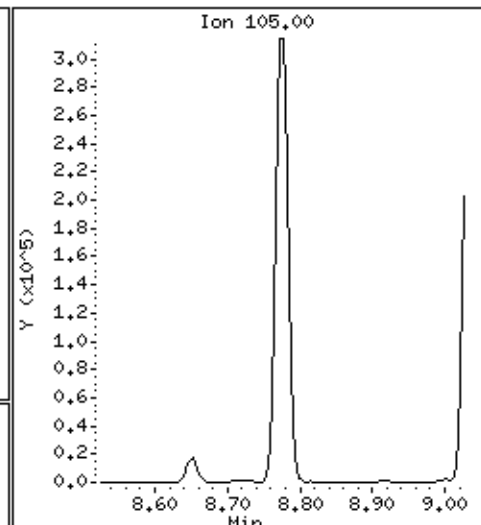
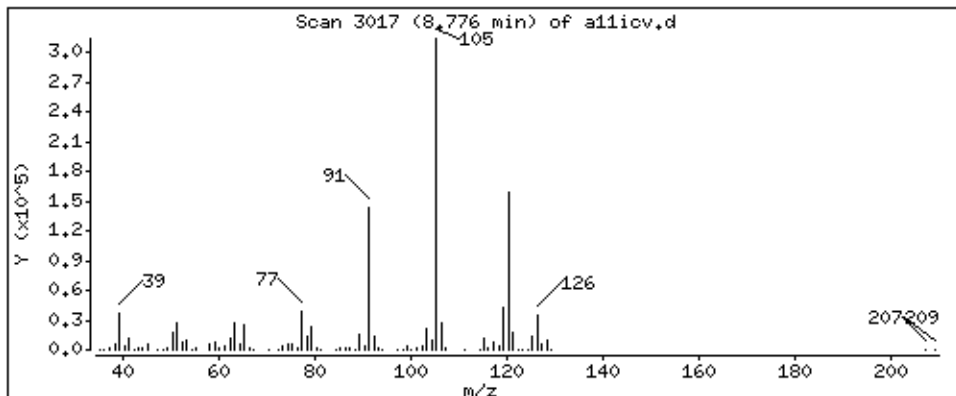
Operator: amv

Column phase: DB-624

Column diameter: 0,18

84 1,3,5-Trimethylbenzene

Concentration: 47.2 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

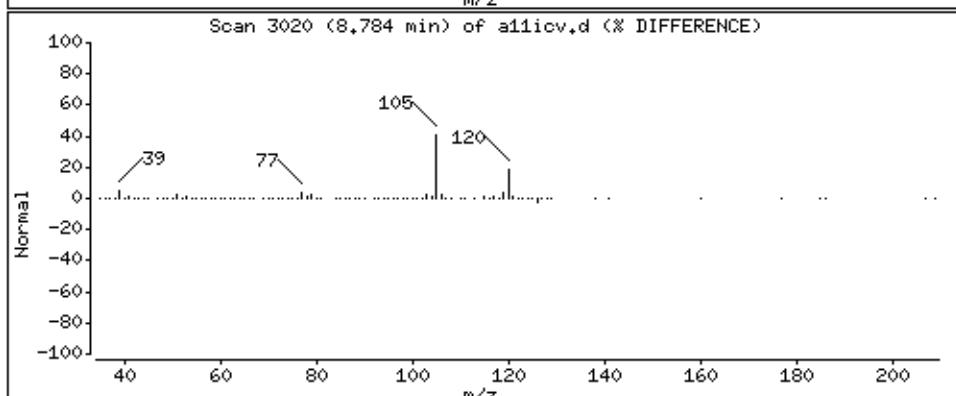
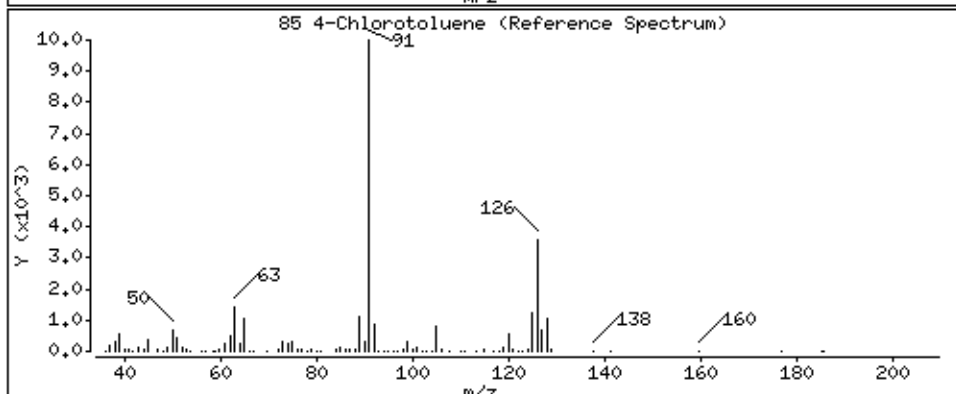
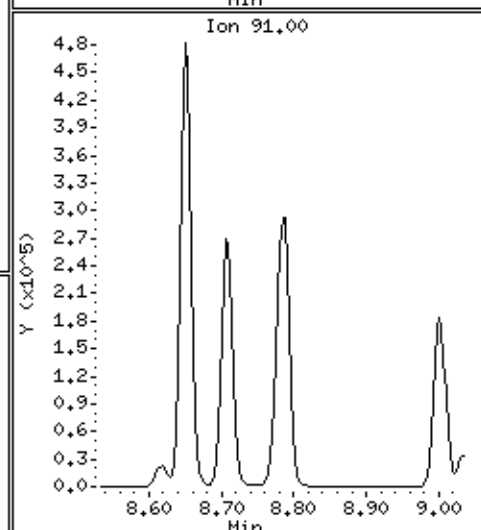
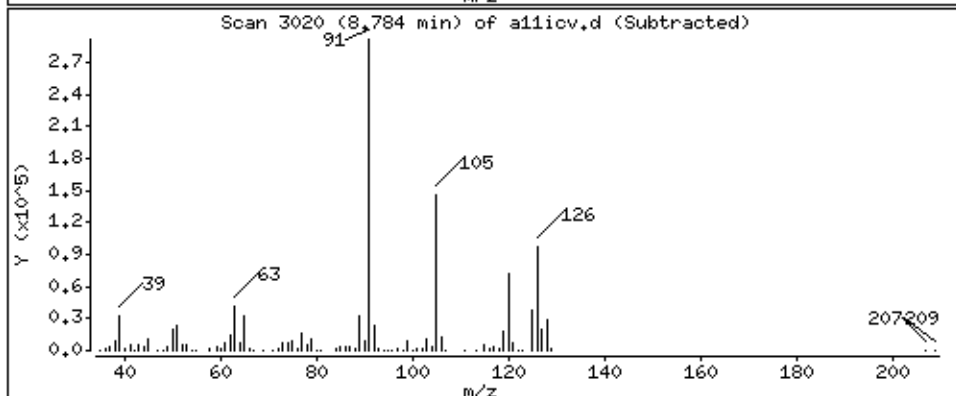
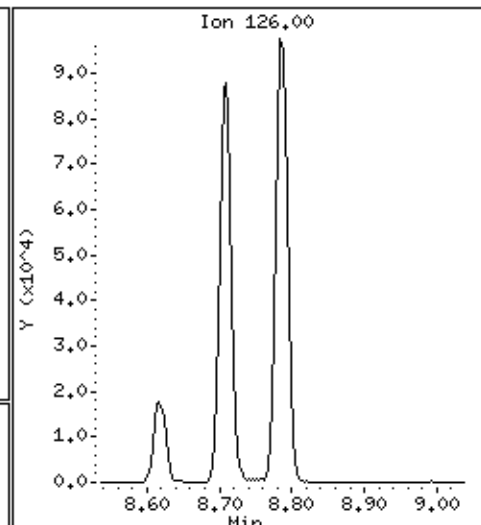
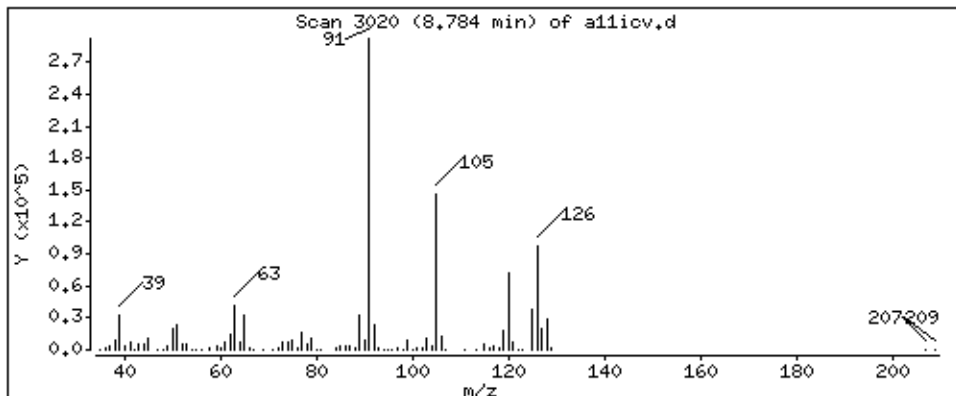
Operator: amv

Column phase: DB-624

Column diameter: 0,18

85 4-Chlorotoluene

Concentration: 50,6 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

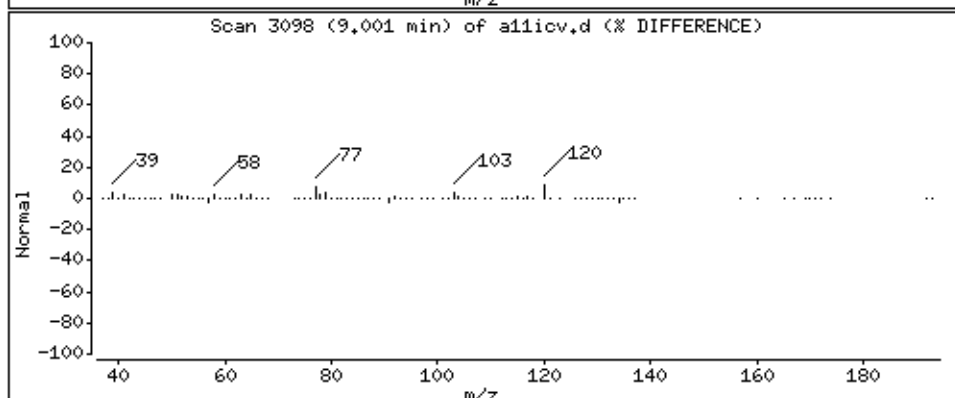
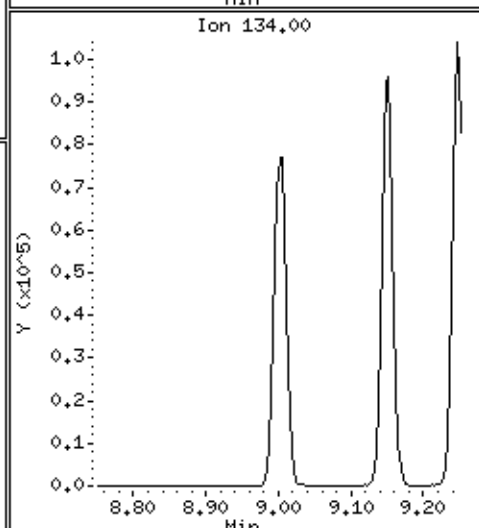
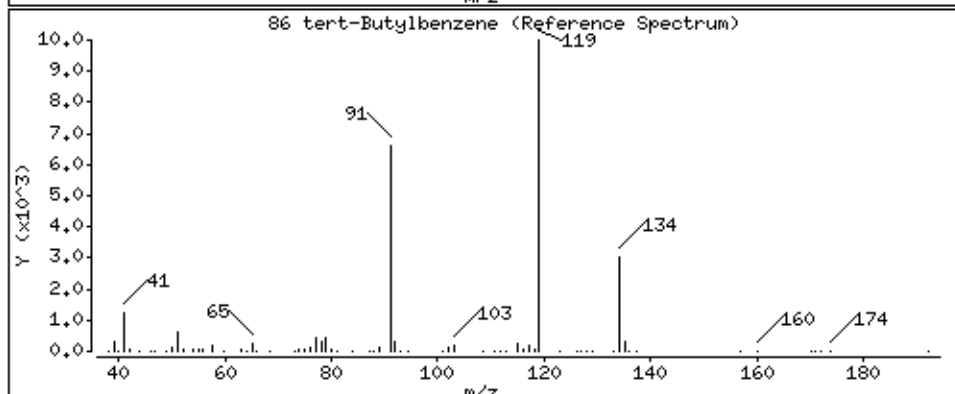
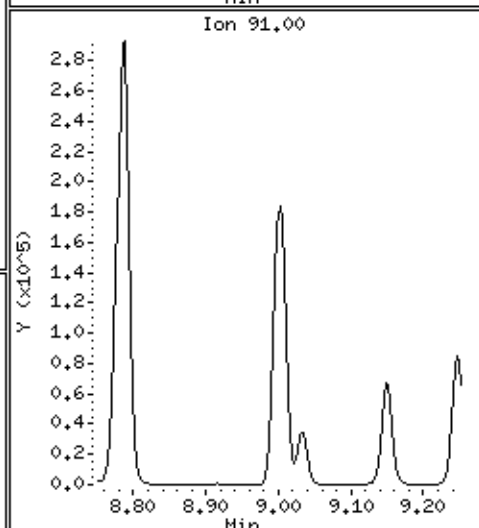
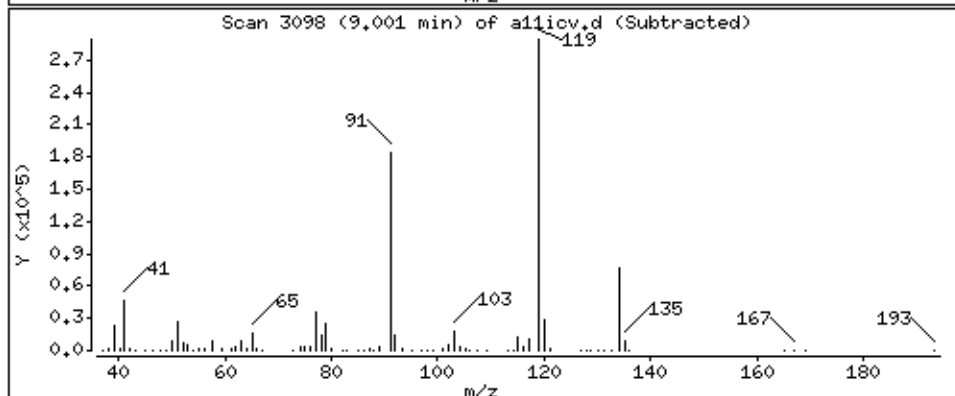
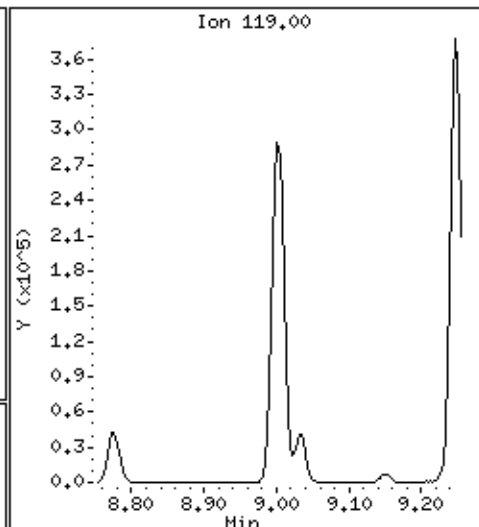
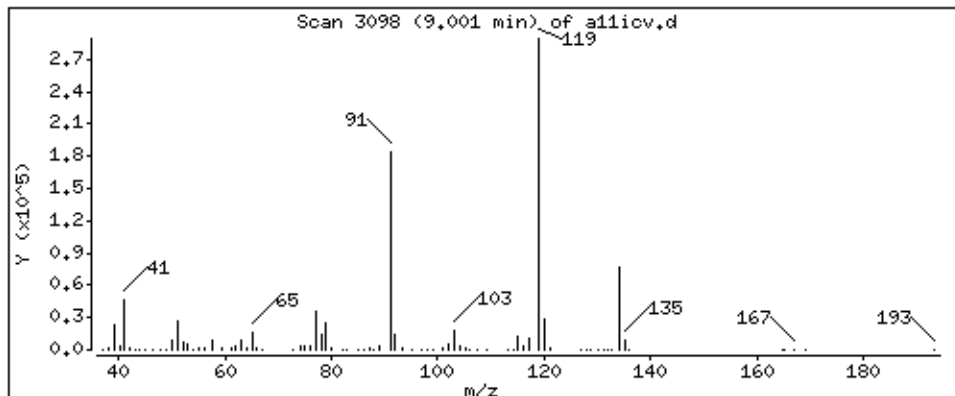
Operator: amv

Column phase: DB-624

Column diameter: 0,18

86 tert-Butylbenzene

Concentration: 42.4 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

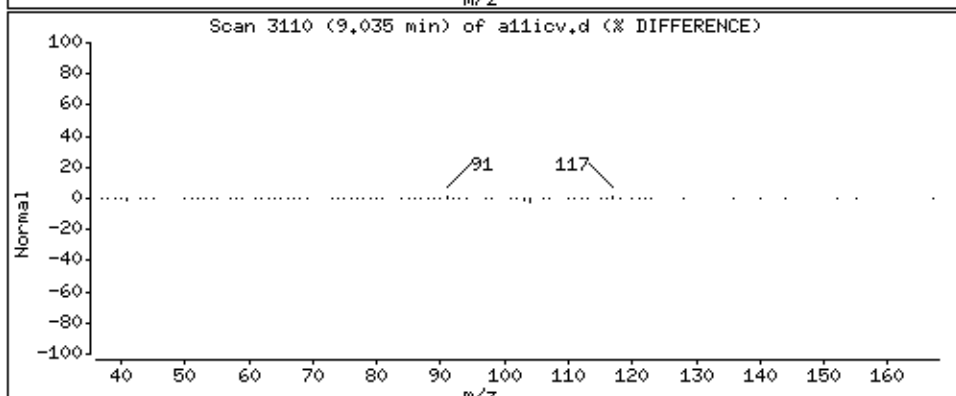
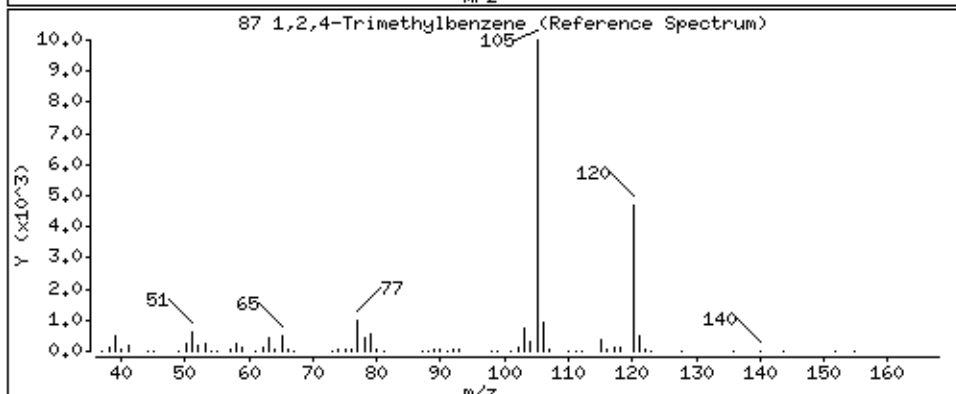
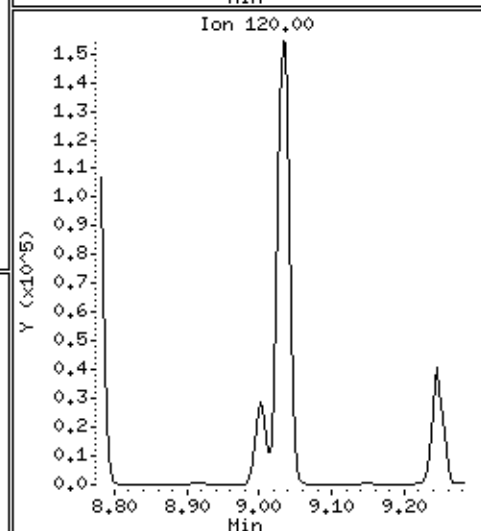
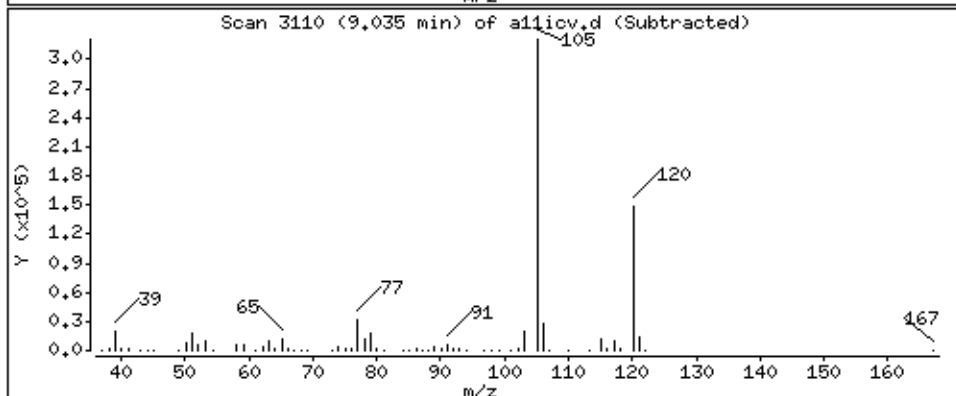
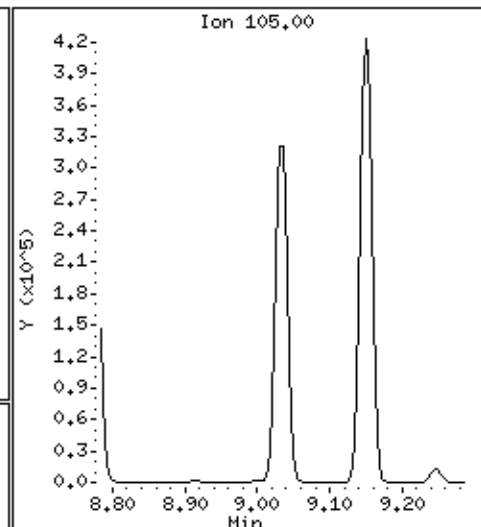
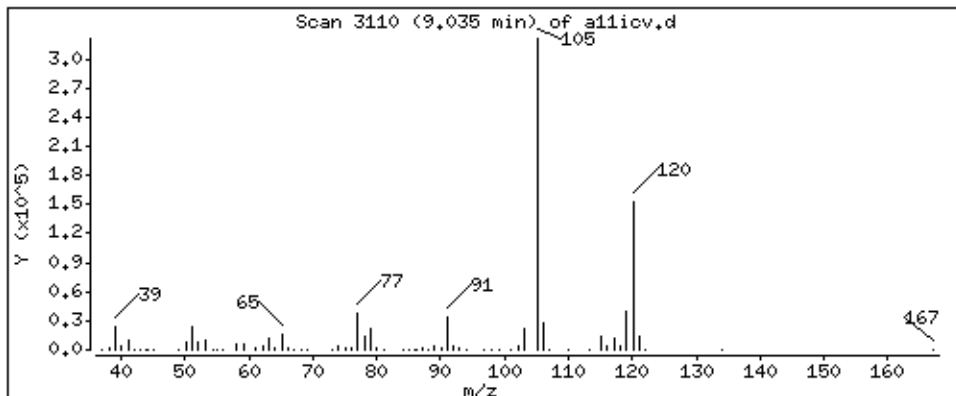
Operator: amv

Column phase: DB-624

Column diameter: 0.18

87 1,2,4-Trimethylbenzene

Concentration: 47.1 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mw2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

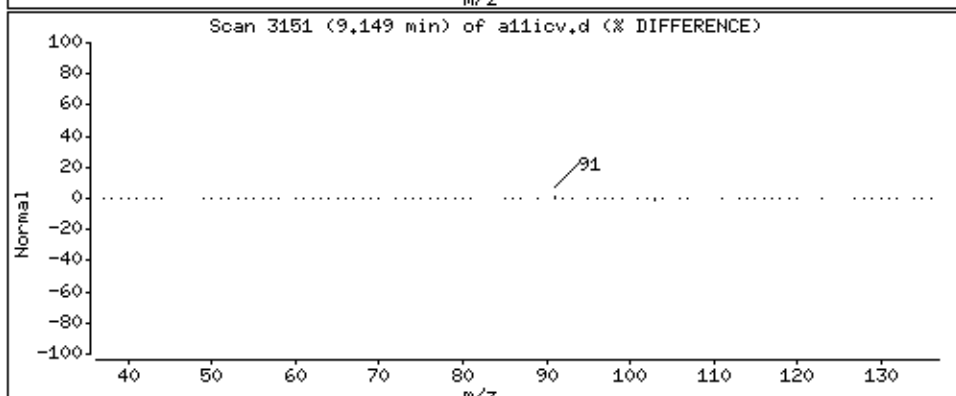
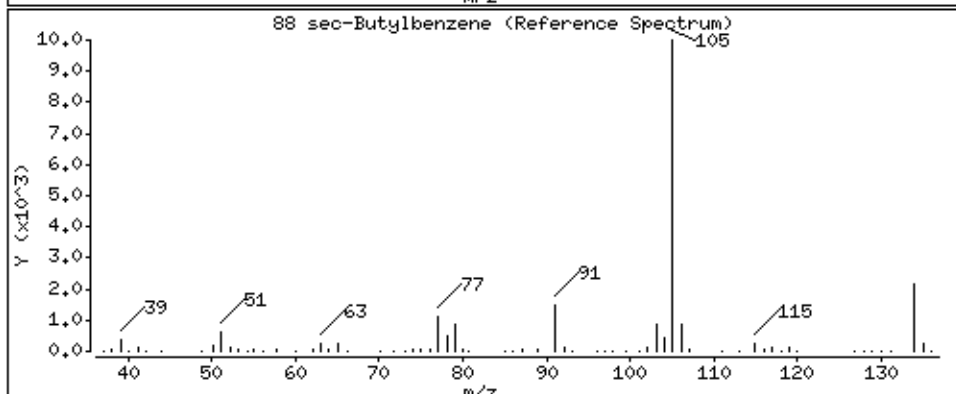
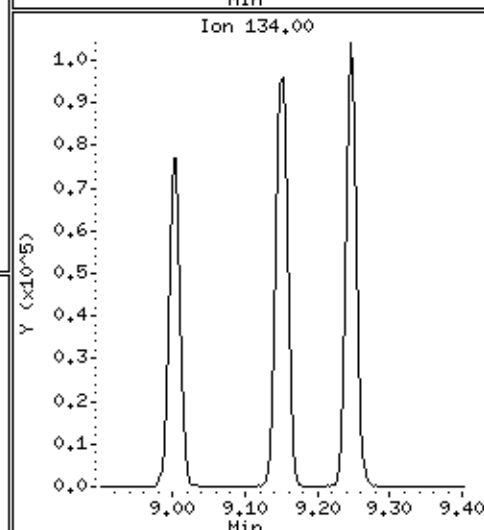
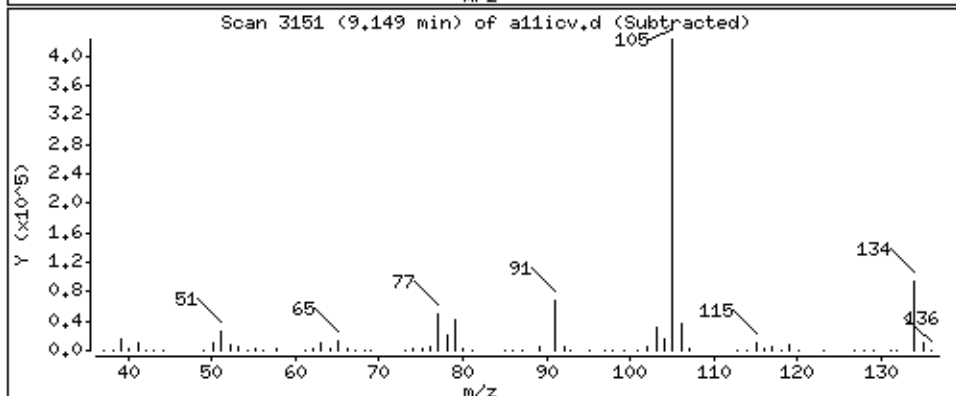
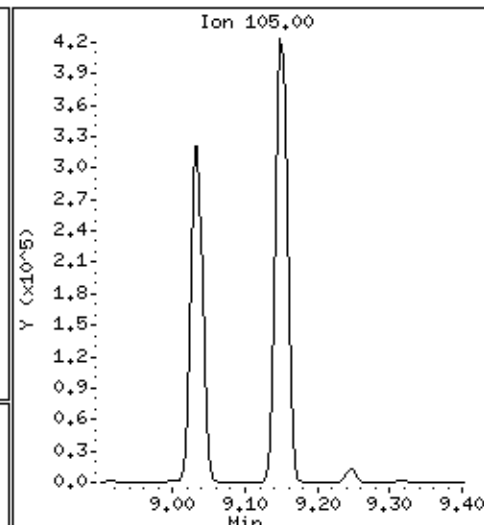
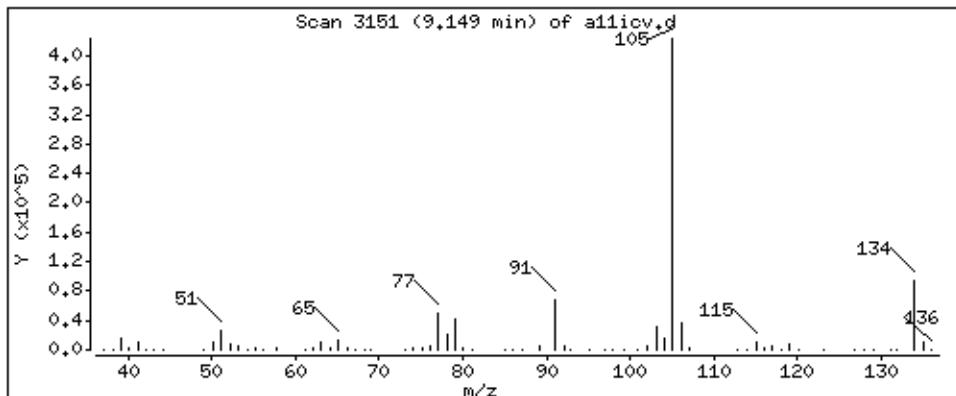
Operator: amv

Column phase: DB-624

Column diameter: 0,18

88 sec-Butylbenzene

Concentration: 47.8 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

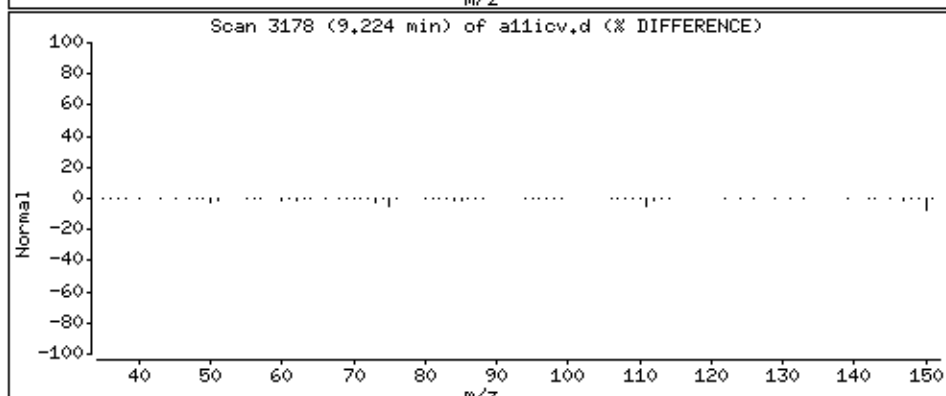
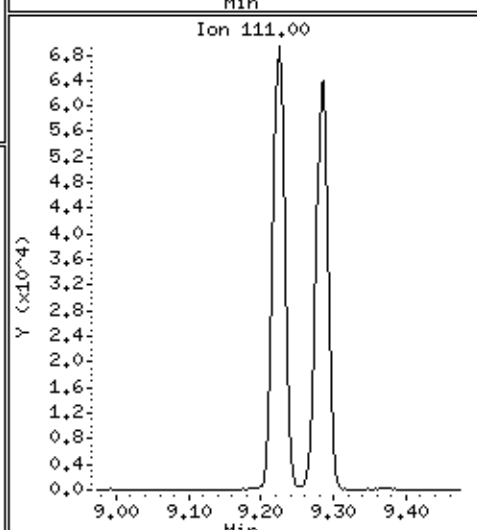
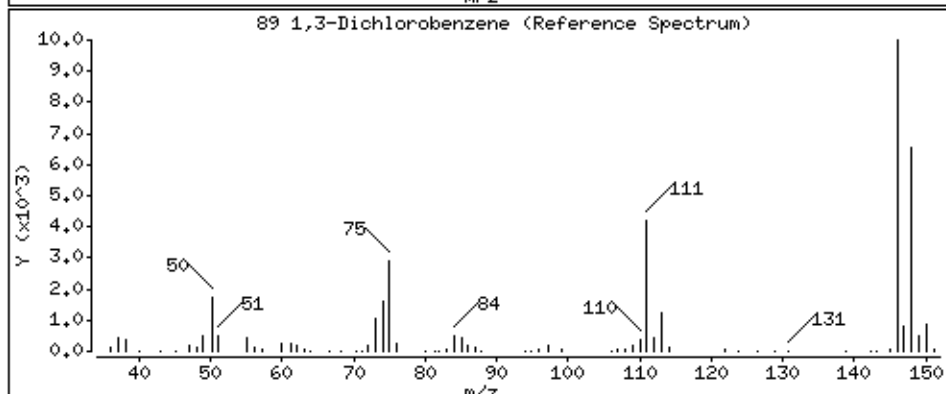
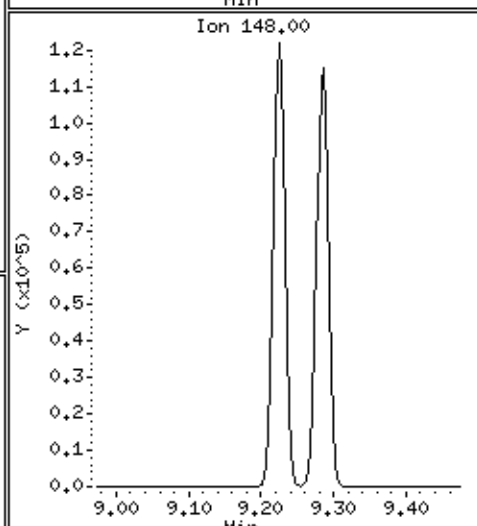
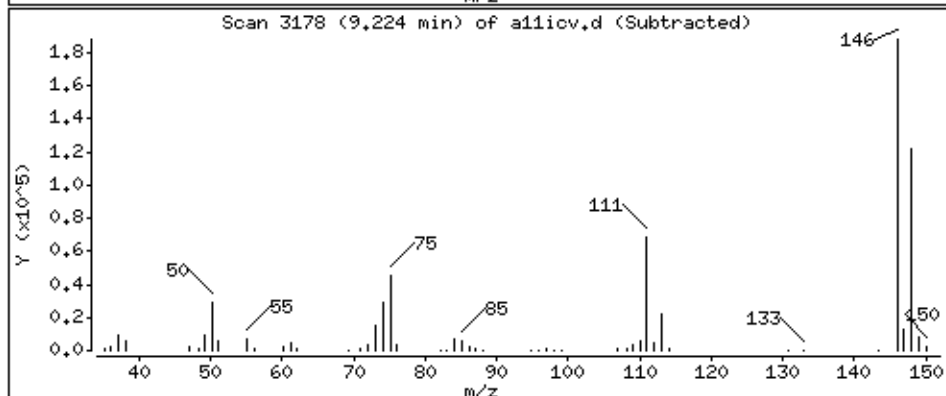
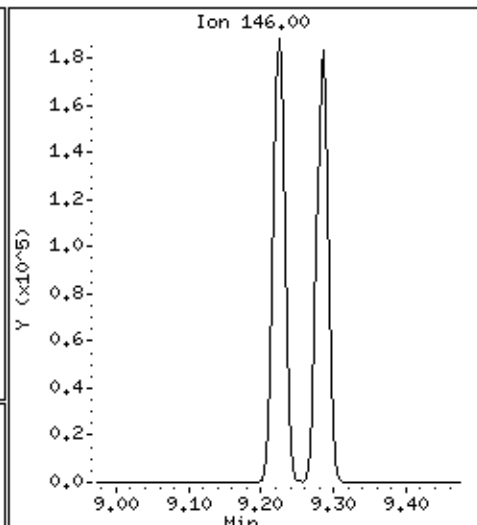
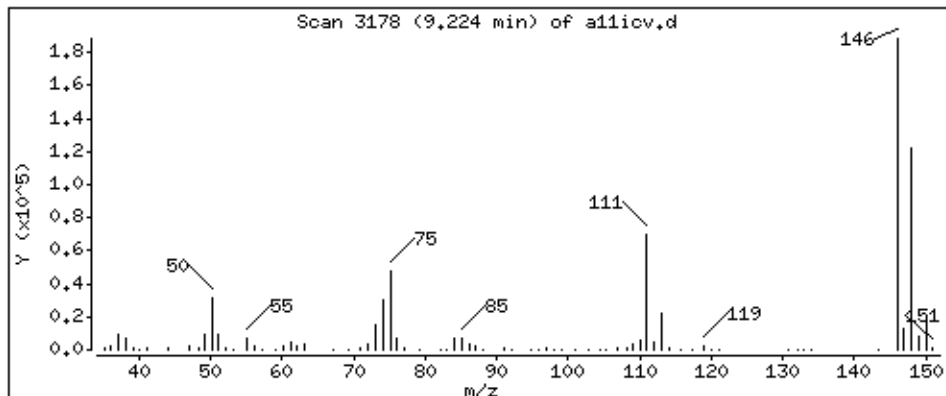
Operator: amv

Column phase: DB-624

Column diameter: 0,18

89 1,3-Dichlorobenzene

Concentration: 49,6 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mw2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

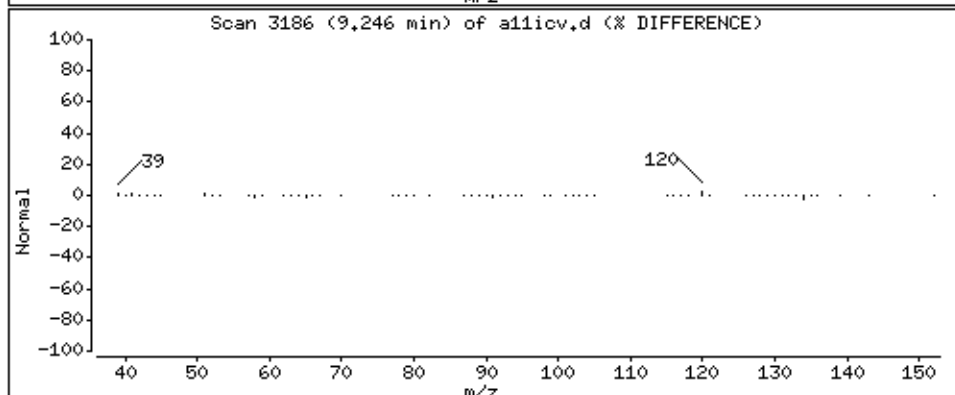
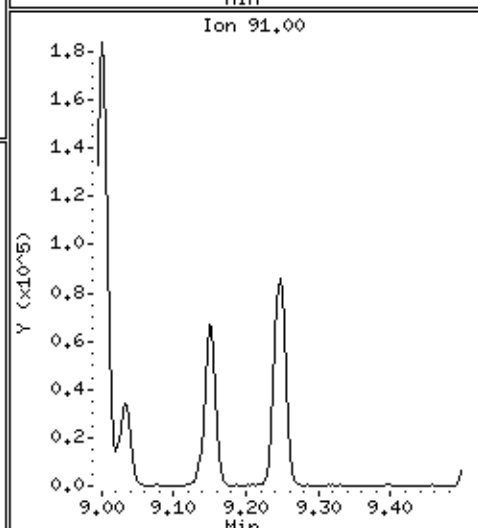
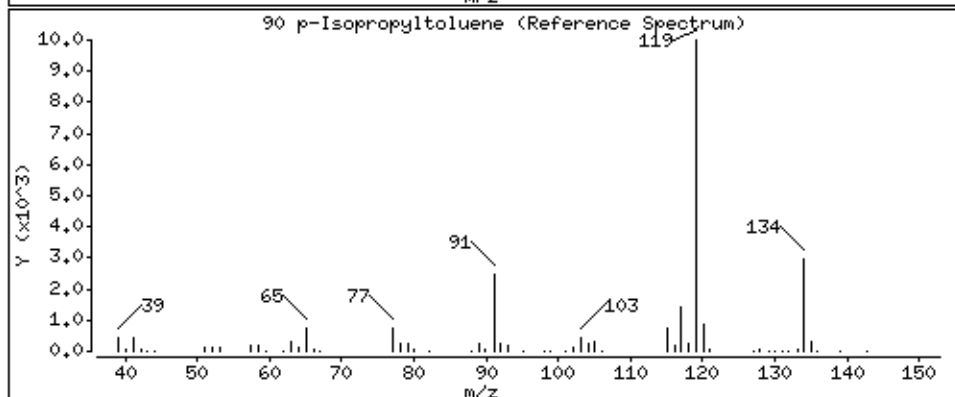
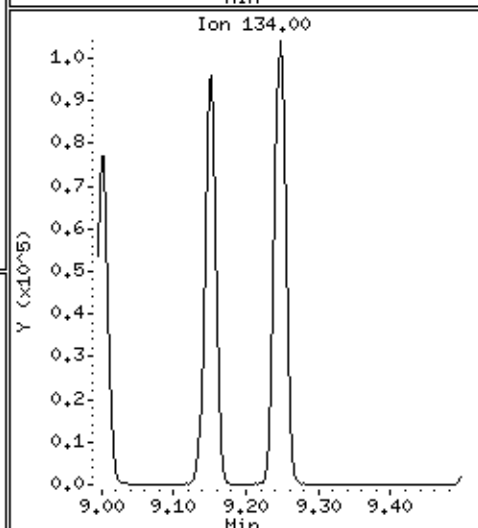
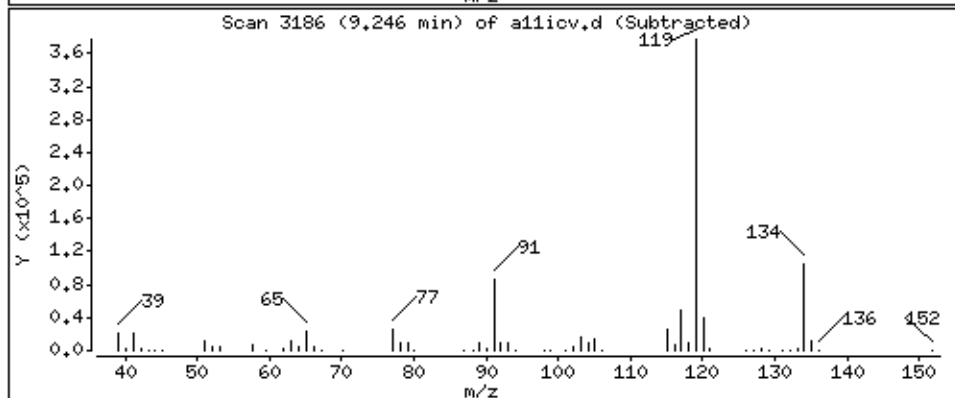
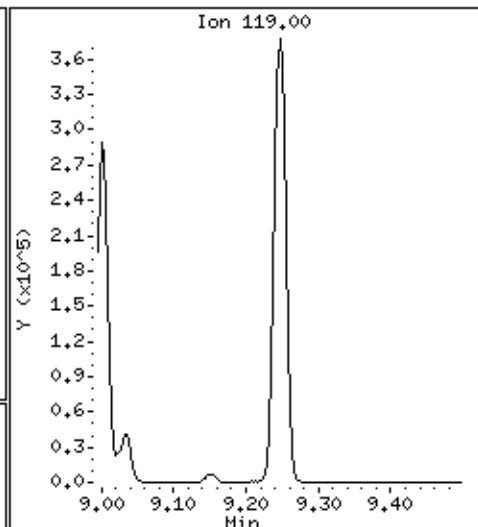
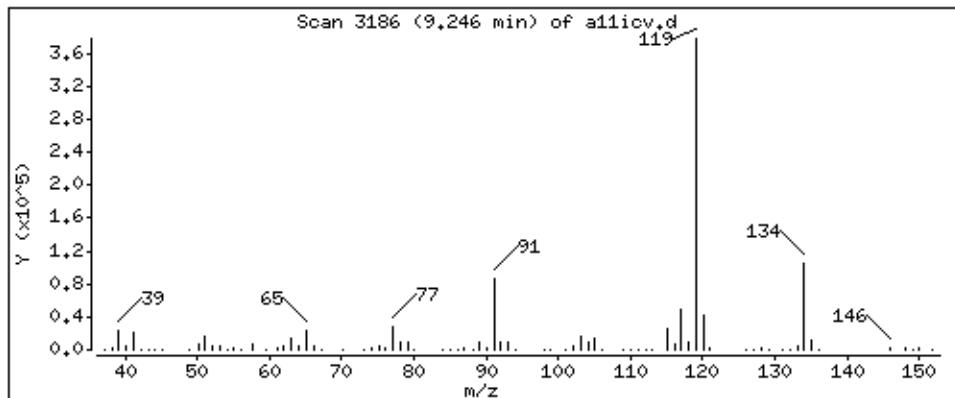
Operator: amv

Column phase: DB-624

Column diameter: 0,18

90 p-Isopropyltoluene

Concentration: 50,3 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

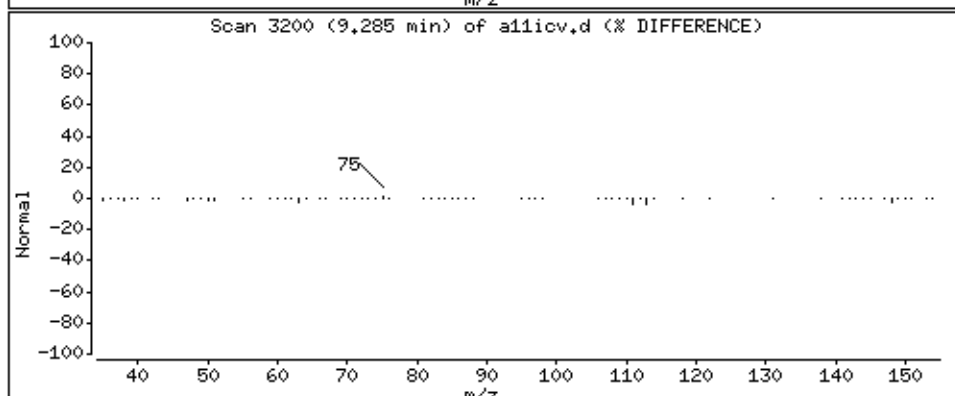
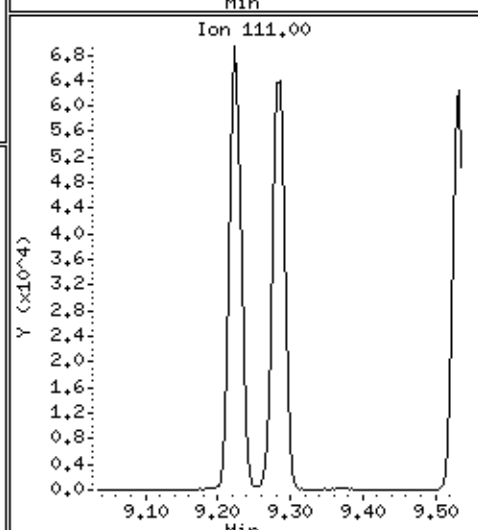
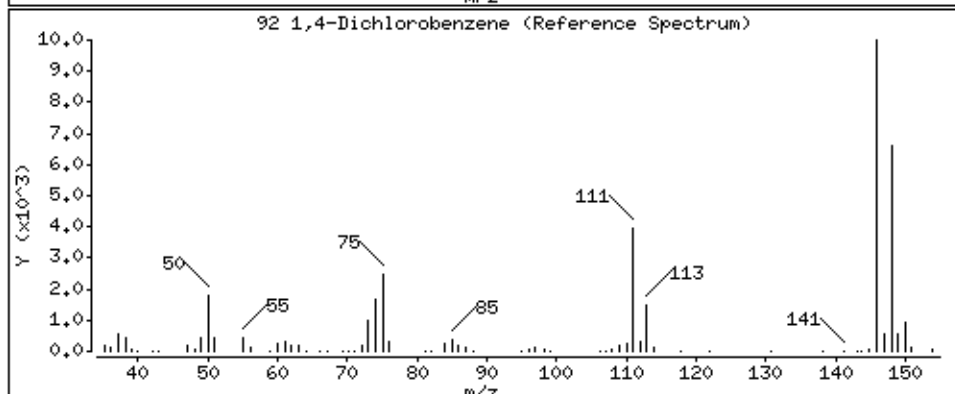
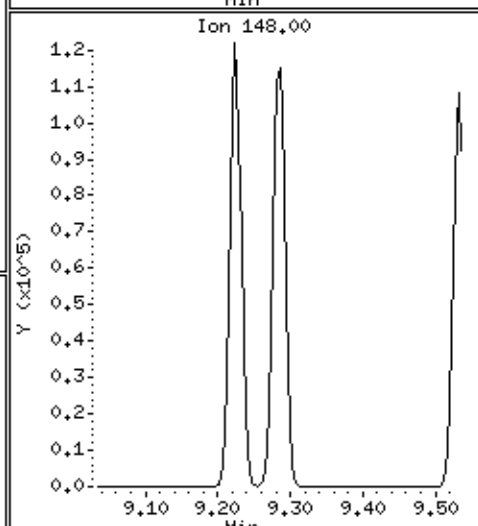
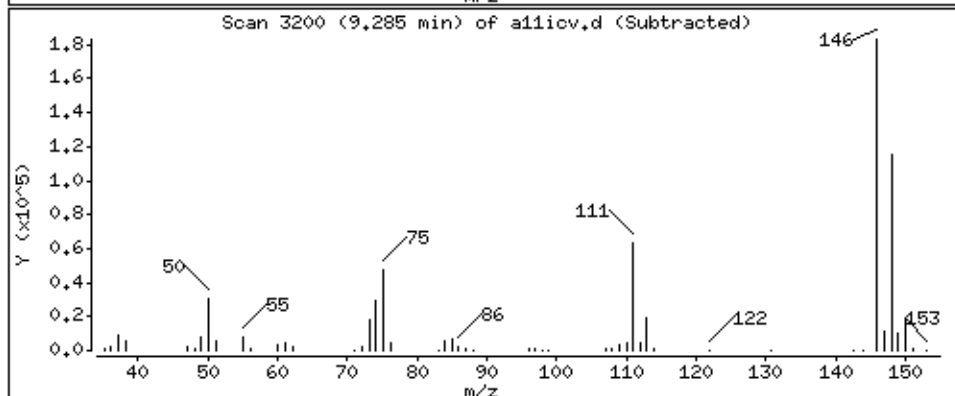
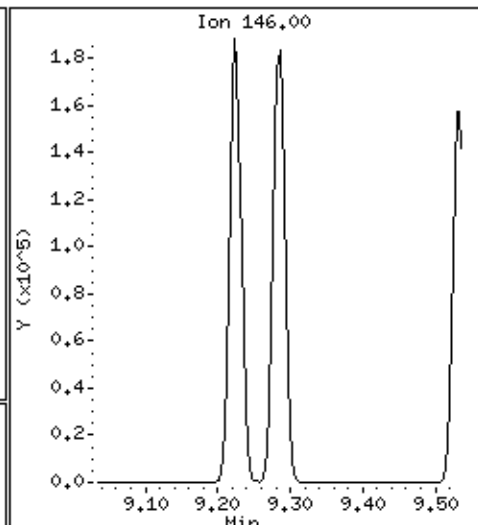
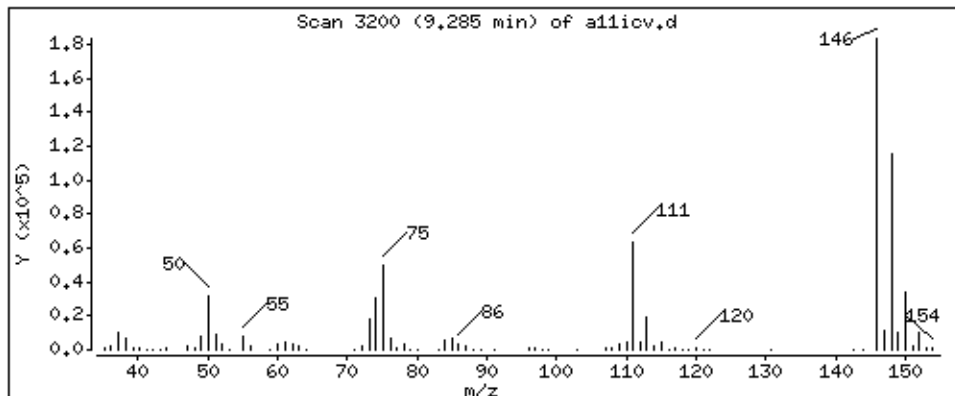
Operator: amv

Column phase: DB-624

Column diameter: 0,18

92 1,4-Dichlorobenzene

Concentration: 48,7 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mw2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

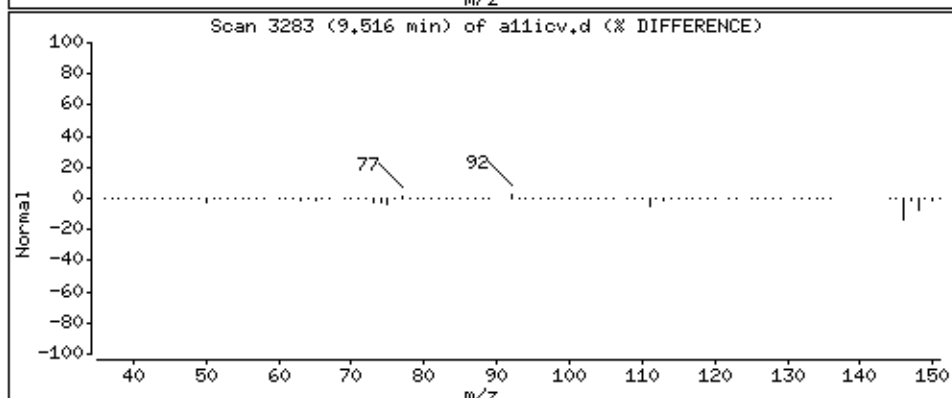
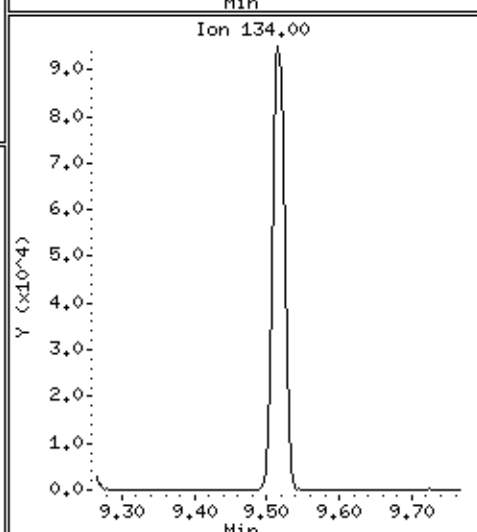
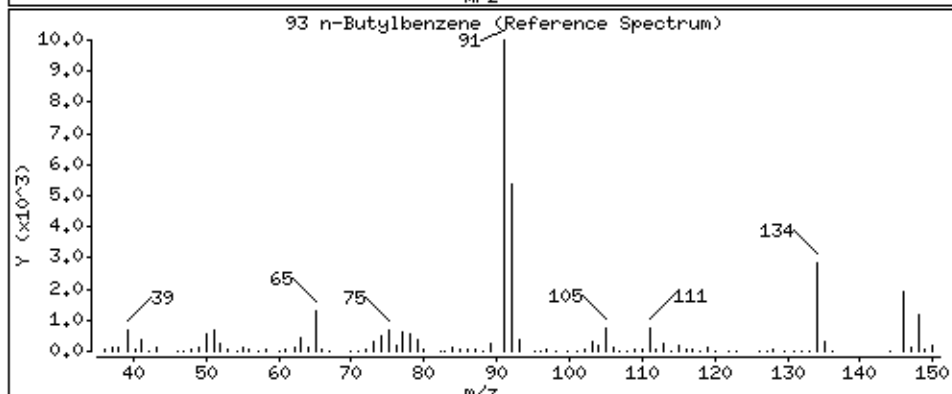
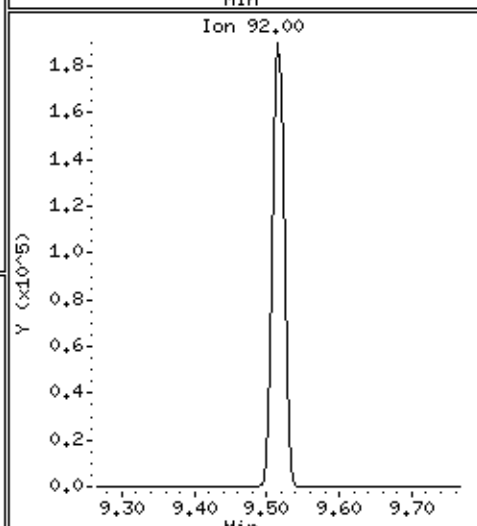
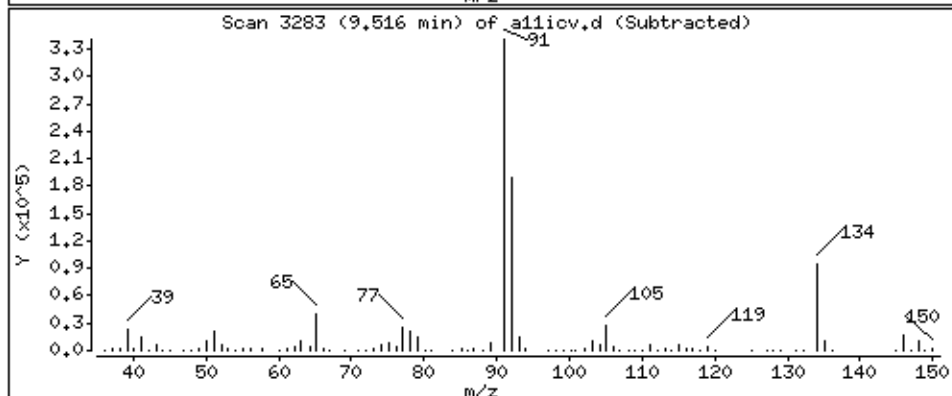
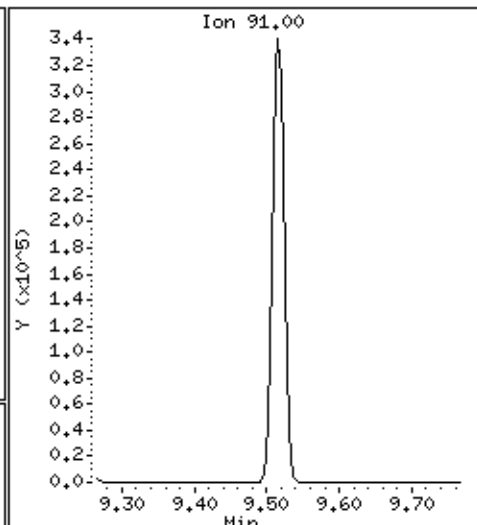
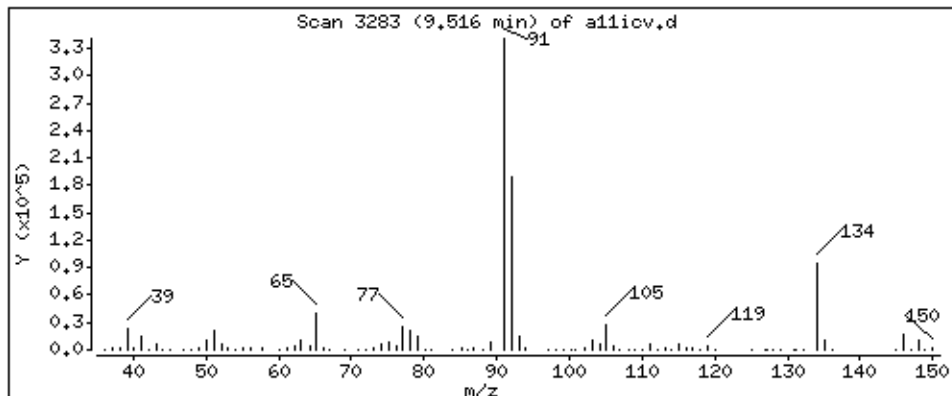
Operator: amv

Column phase: DB-624

Column diameter: 0,18

93 n-Butylbenzene

Concentration: 47.0 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

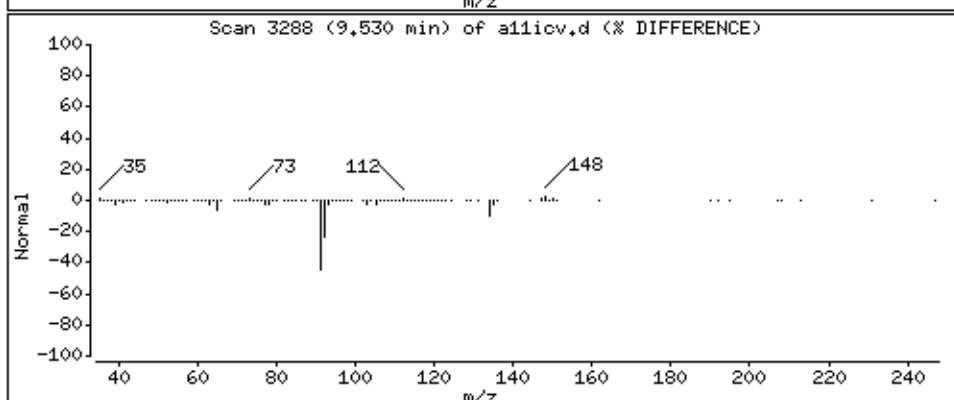
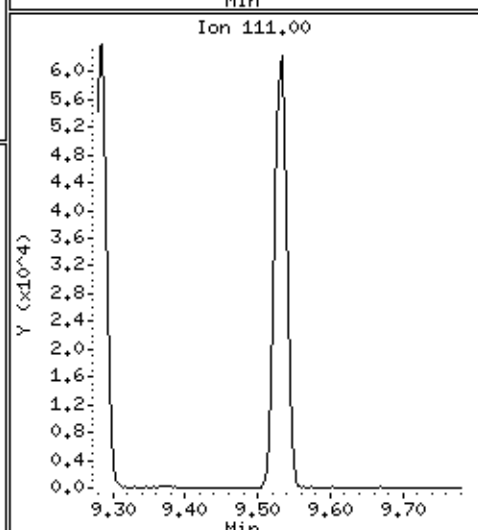
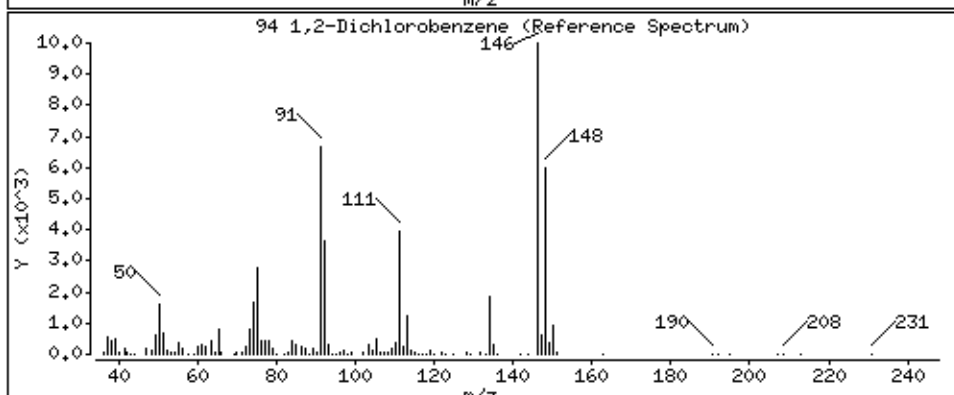
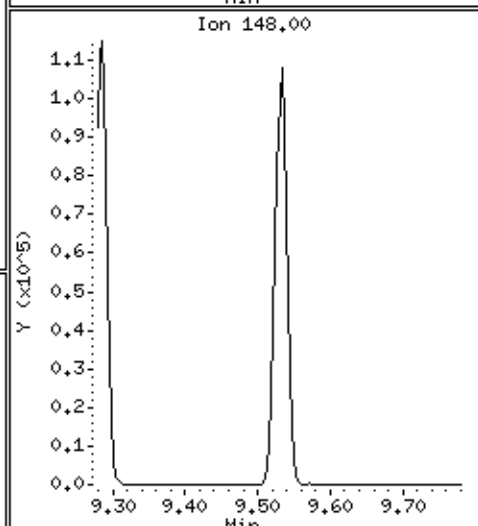
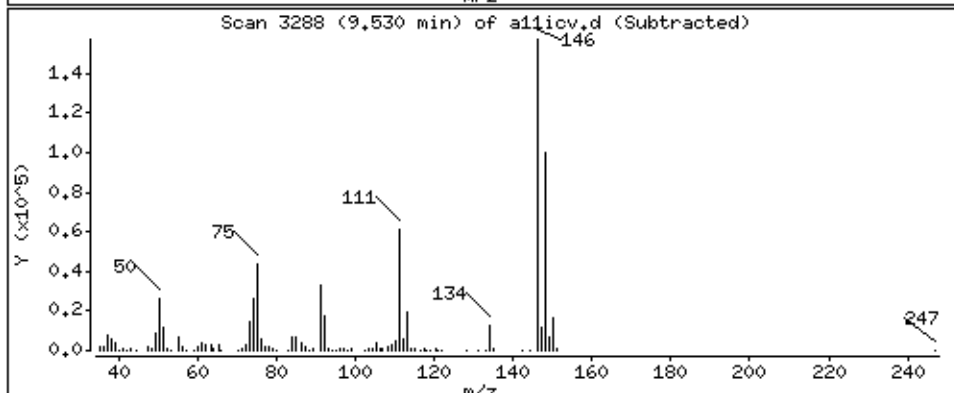
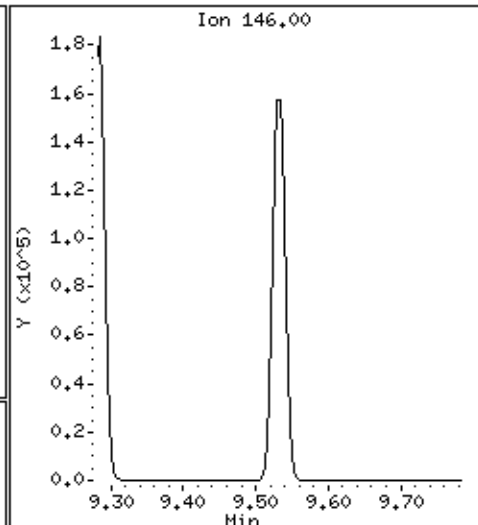
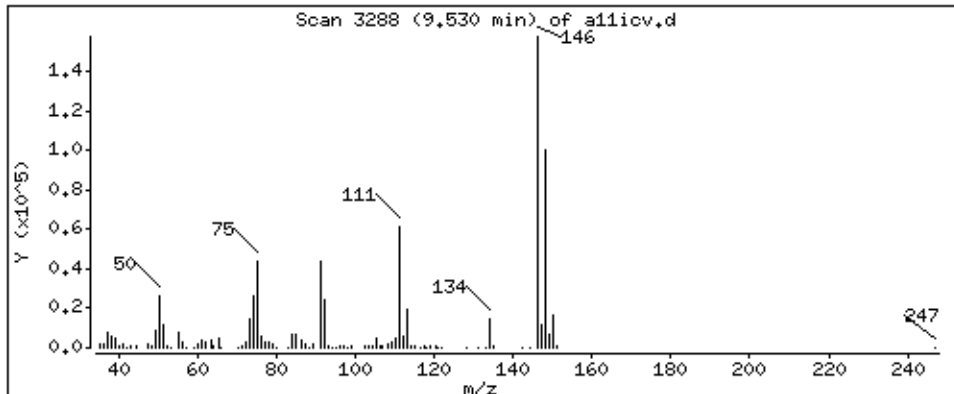
Operator: amv

Column phase: DB-624

Column diameter: 0,18

94 1,2-Dichlorobenzene

Concentration: 50,1 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

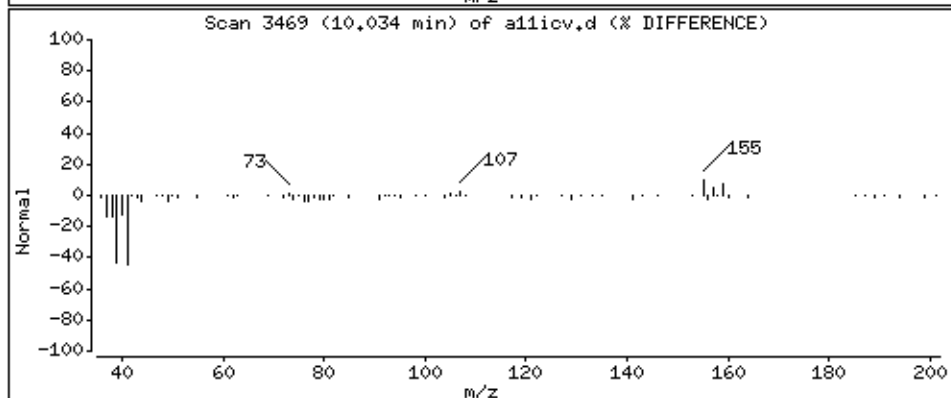
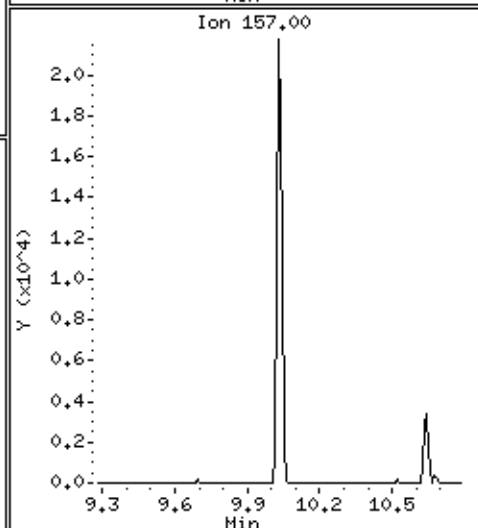
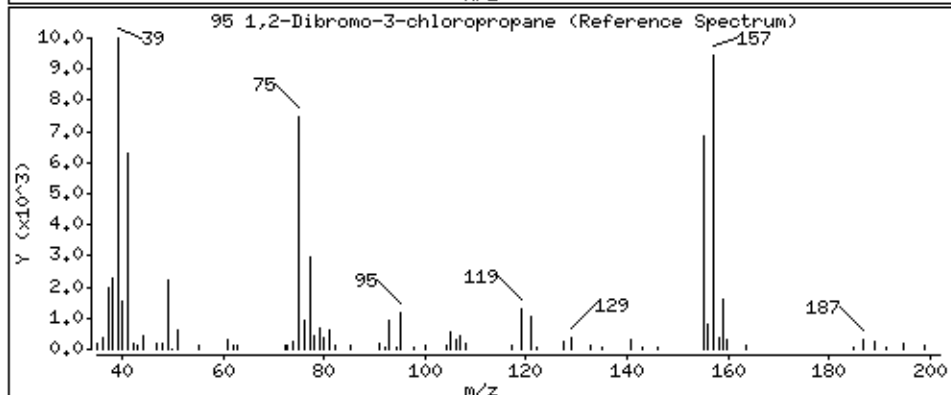
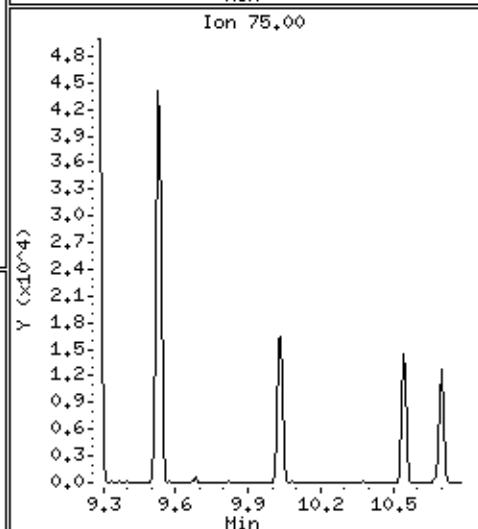
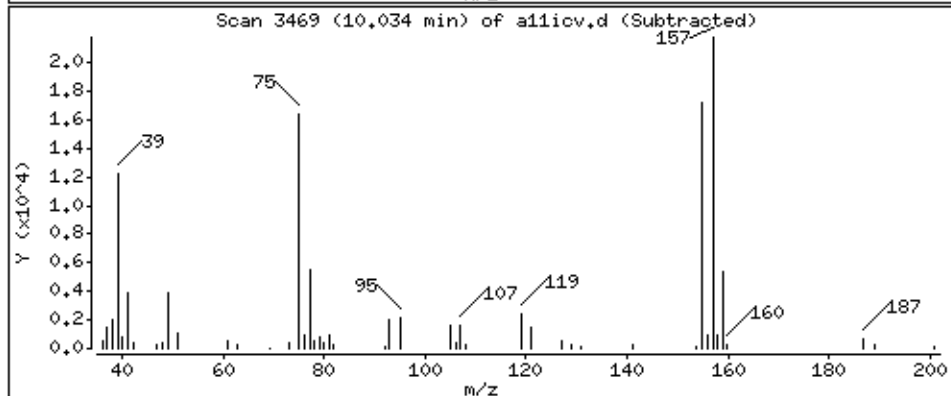
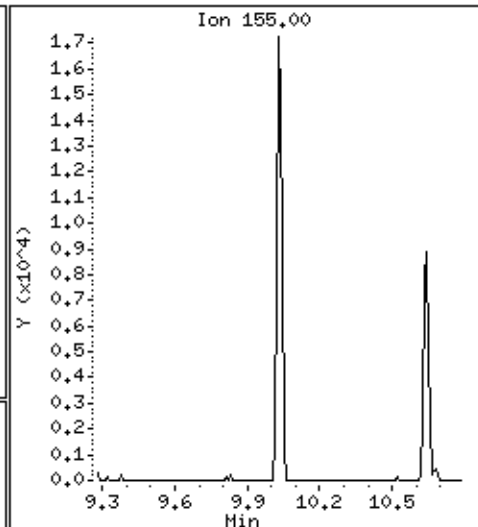
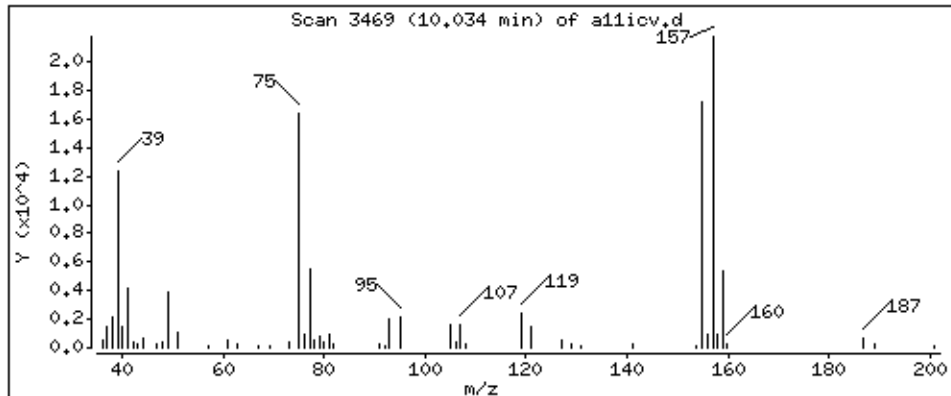
Operator: amv

Column phase: DB-624

Column diameter: 0,18

95 1,2-Dibromo-3-chloropropane

Concentration: 51.6 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

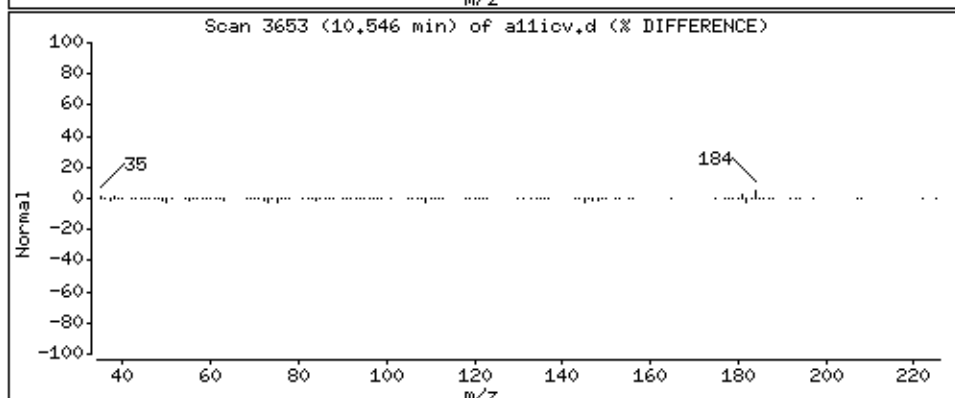
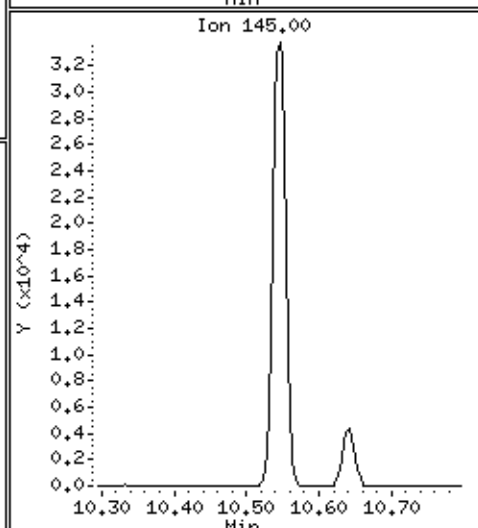
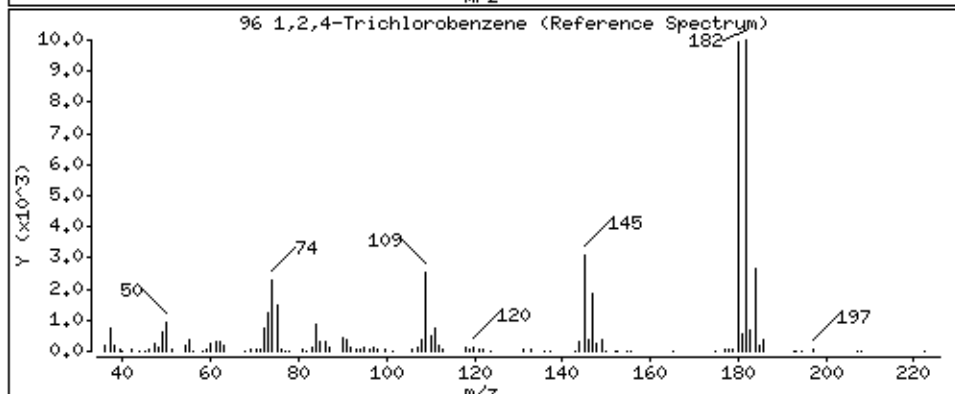
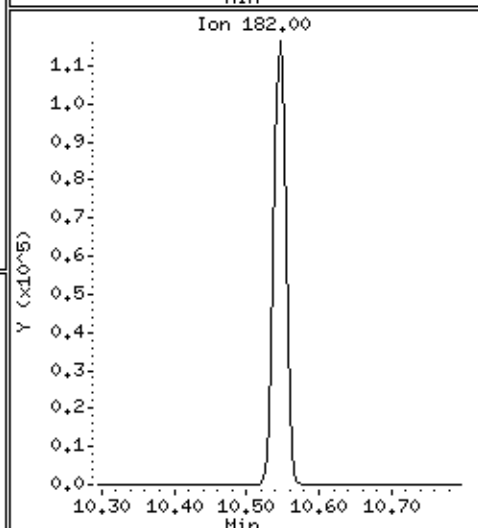
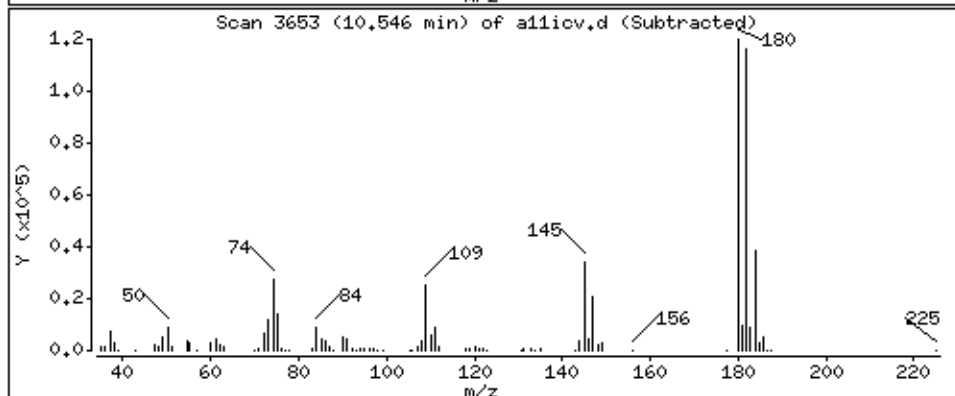
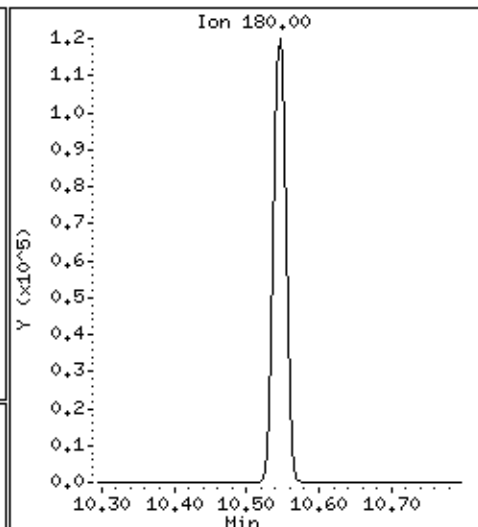
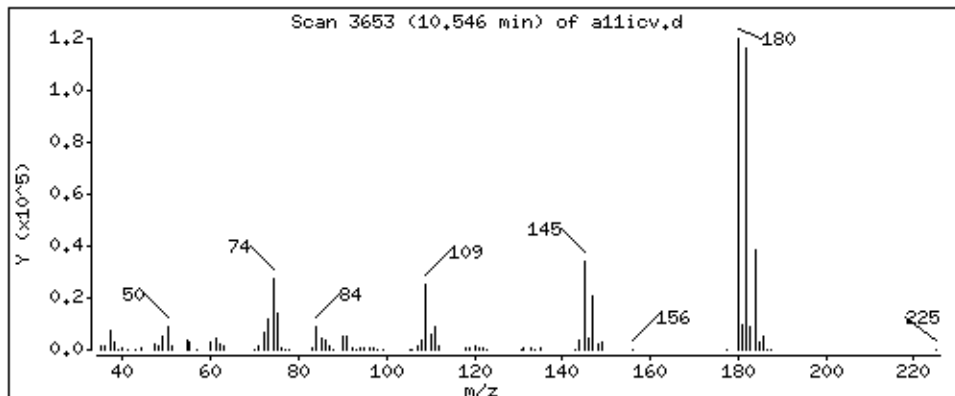
Operator: amv

Column phase: DB-624

Column diameter: 0,18

96 1,2,4-Trichlorobenzene

Concentration: 52.3 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

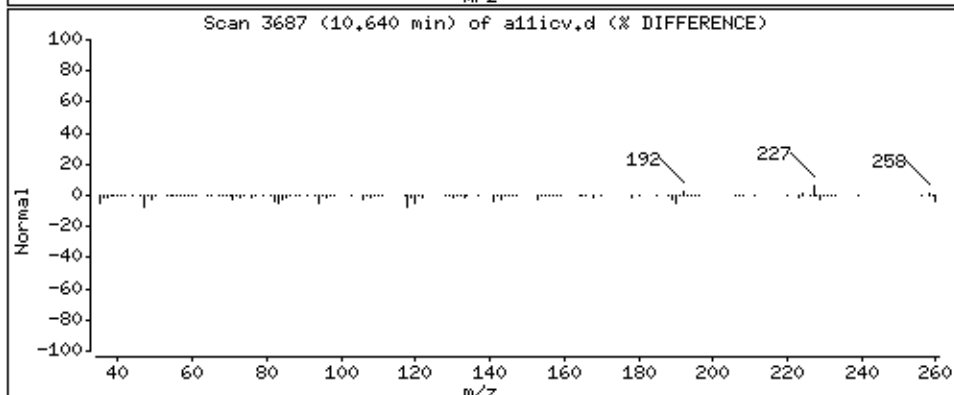
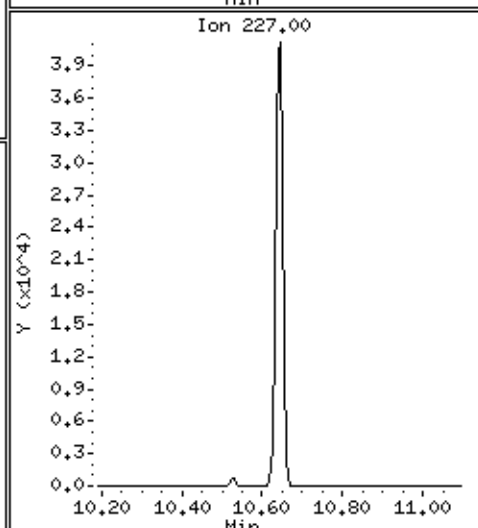
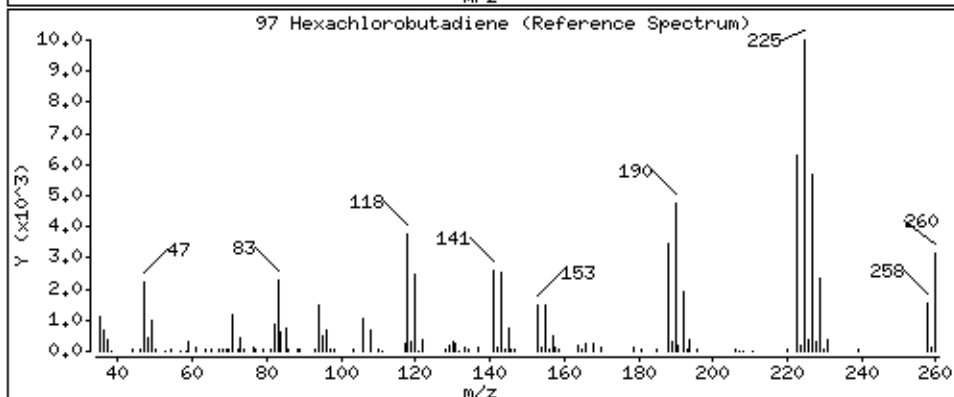
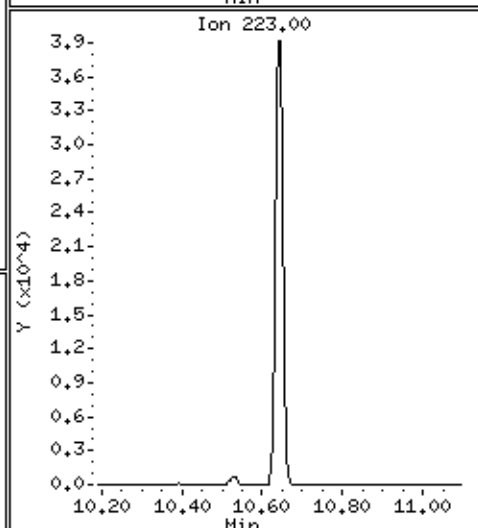
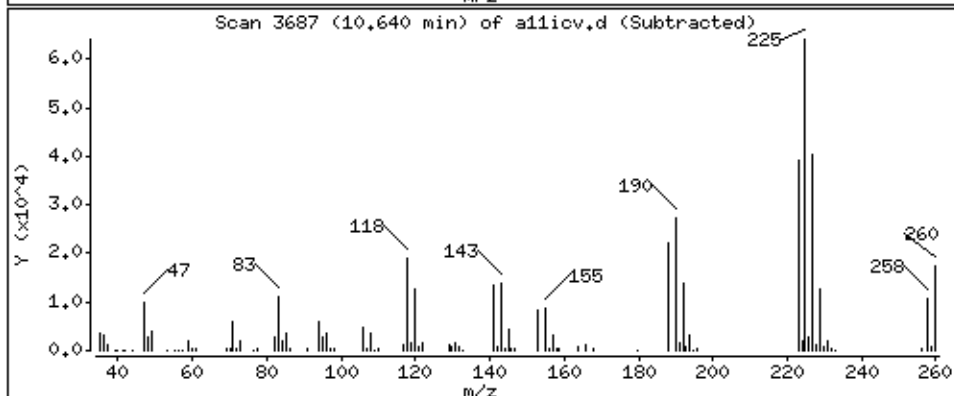
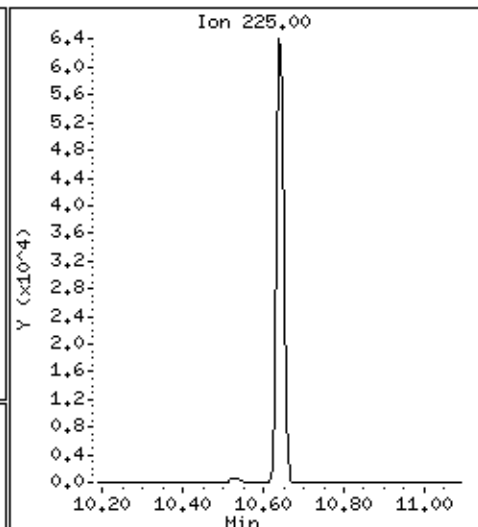
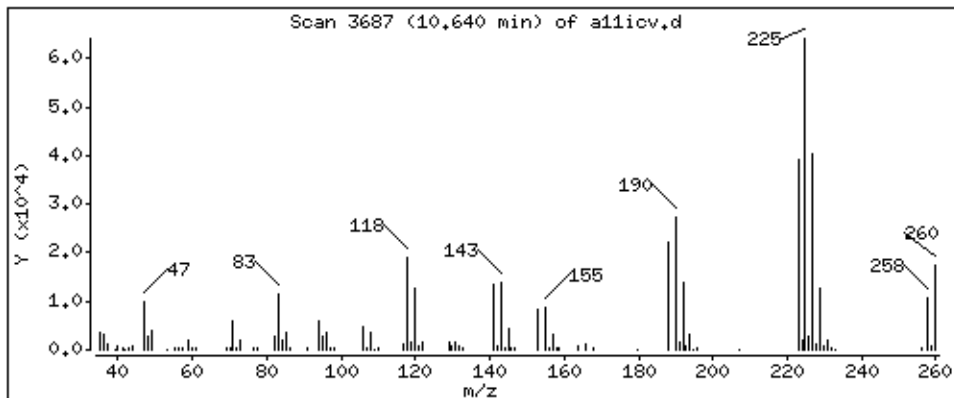
Operator: amv

Column phase: DB-624

Column diameter: 0,18

97 Hexachlorobutadiene

Concentration: 53,8 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

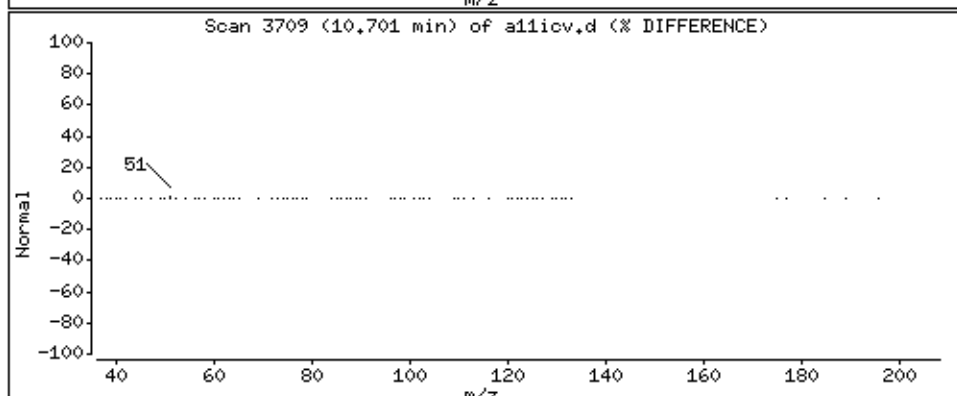
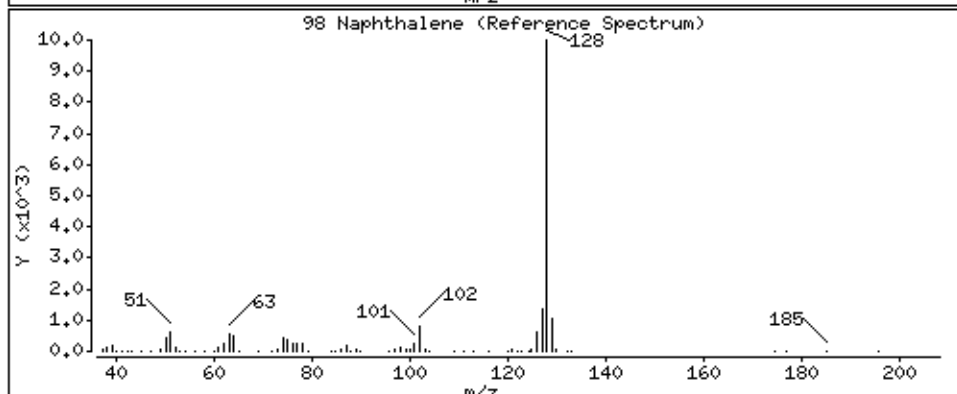
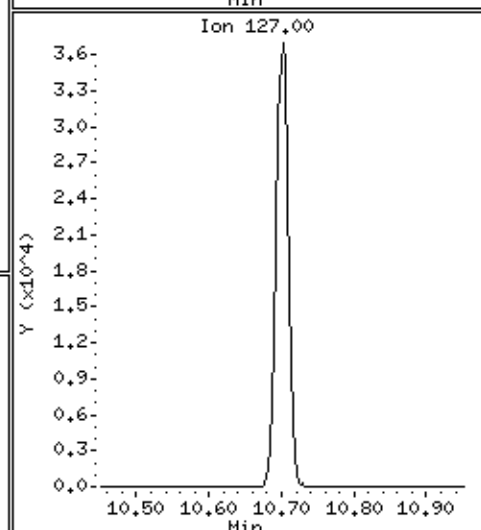
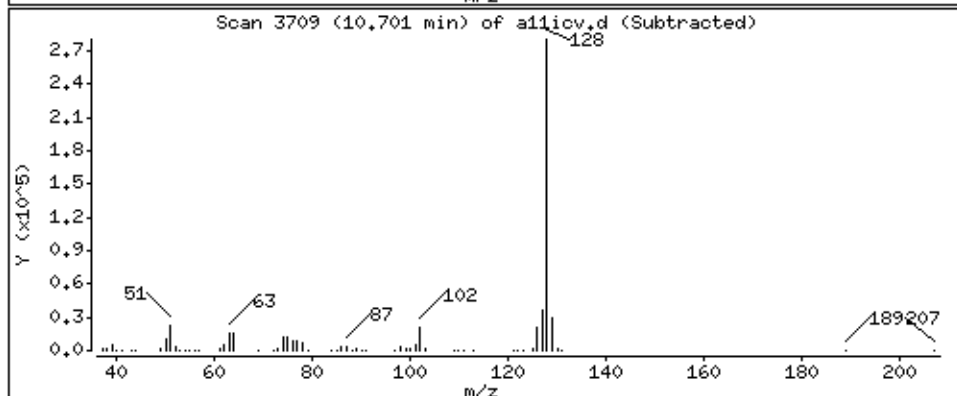
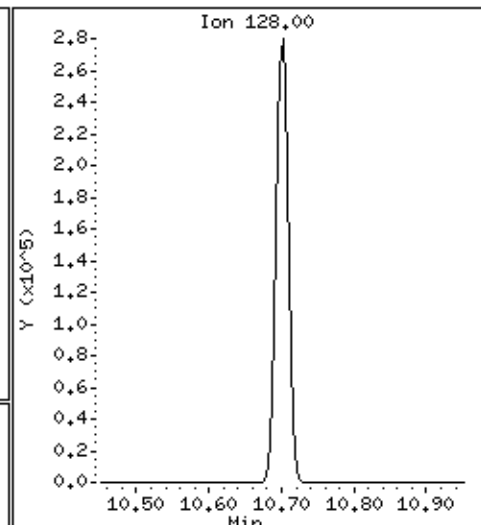
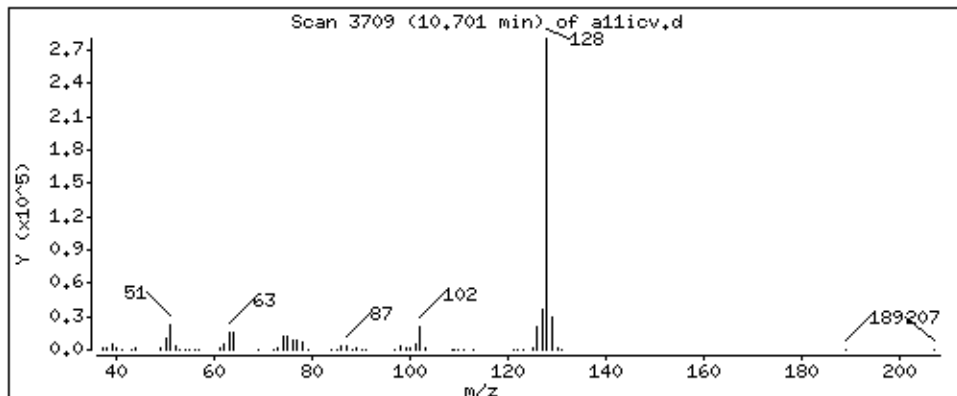
Operator: amv

Column phase: DB-624

Column diameter: 0,18

98 Naphthalene

Concentration: 51.2 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

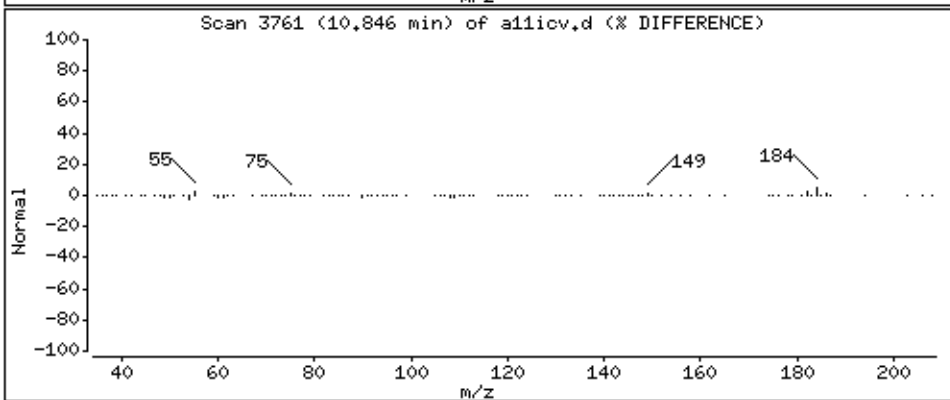
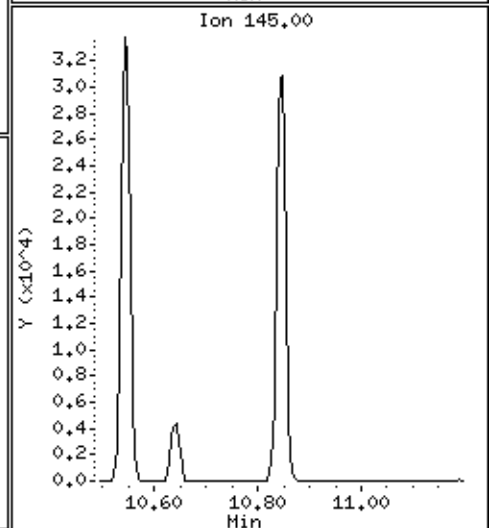
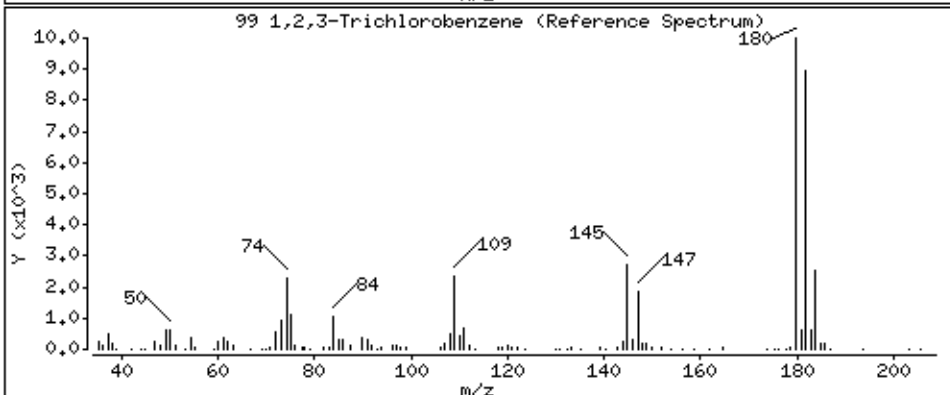
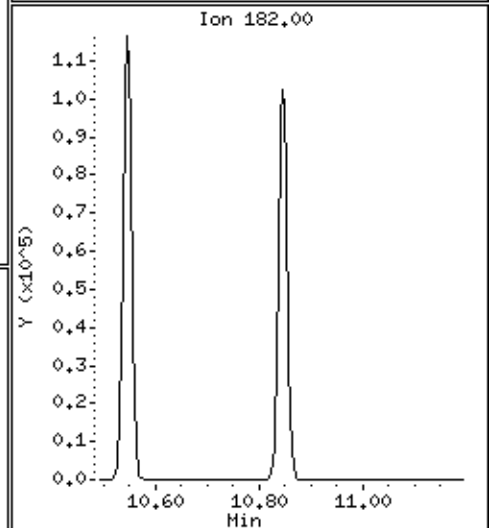
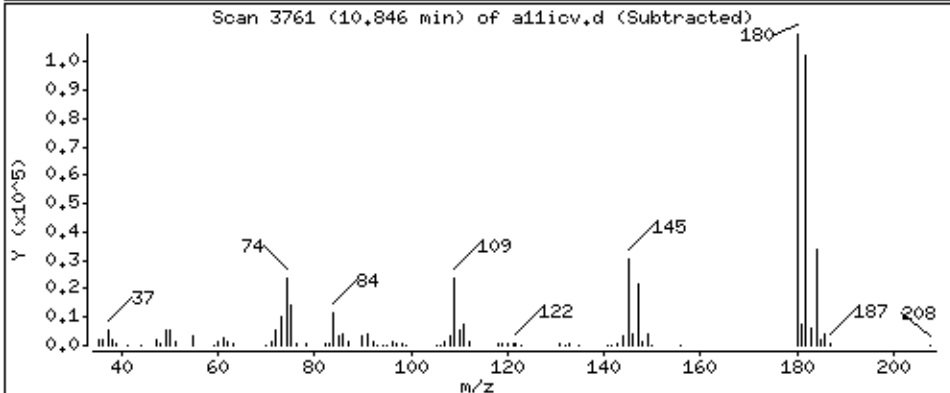
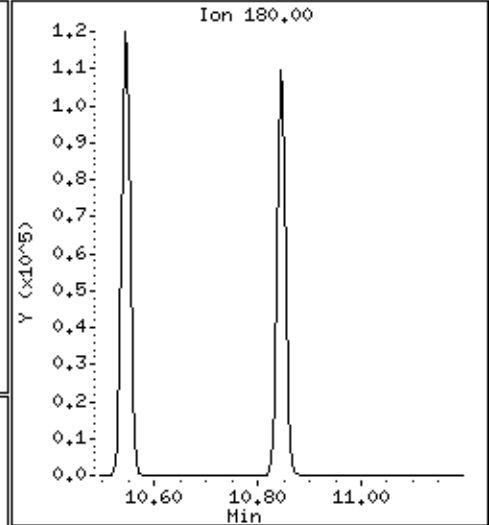
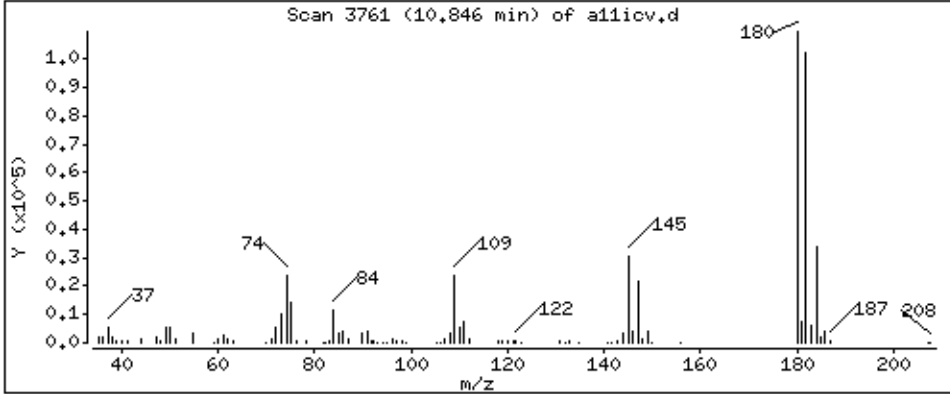
Operator: amv

Column phase: DB-624

Column diameter: 0,18

99 1,2,3-Trichlorobenzene

Concentration: 52.7 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

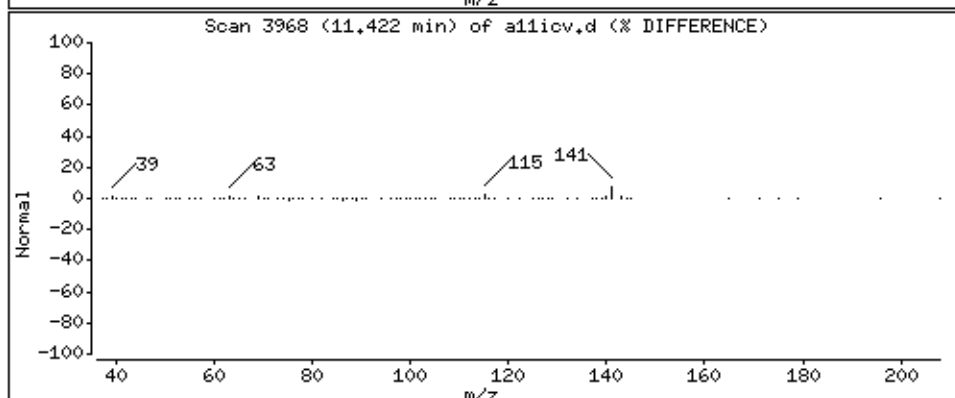
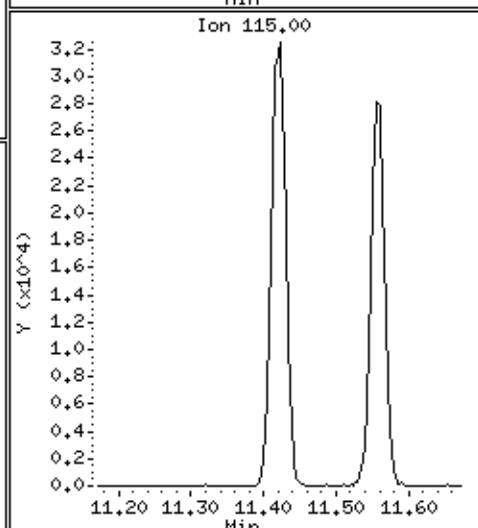
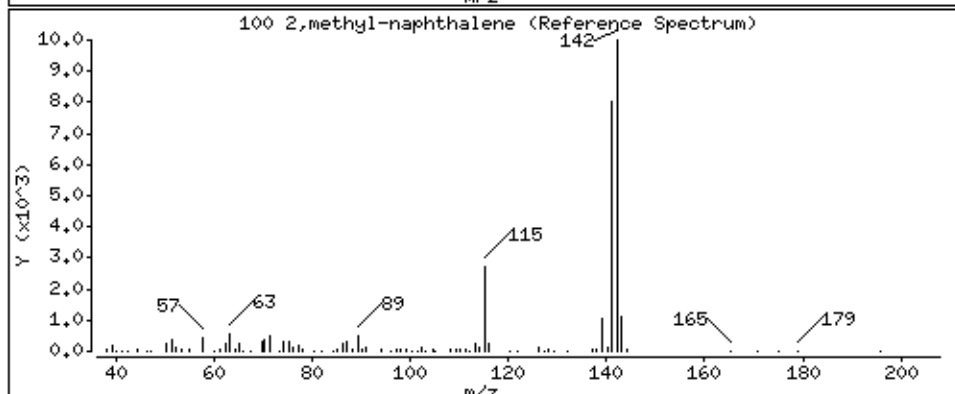
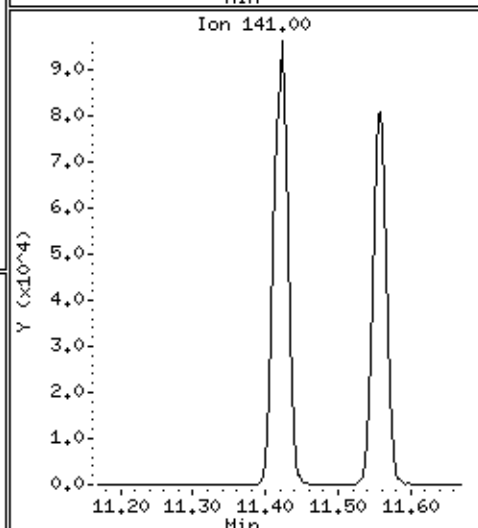
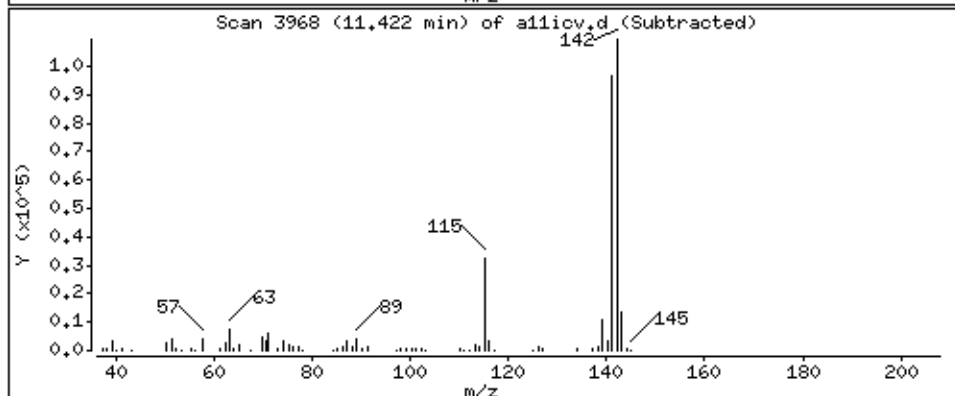
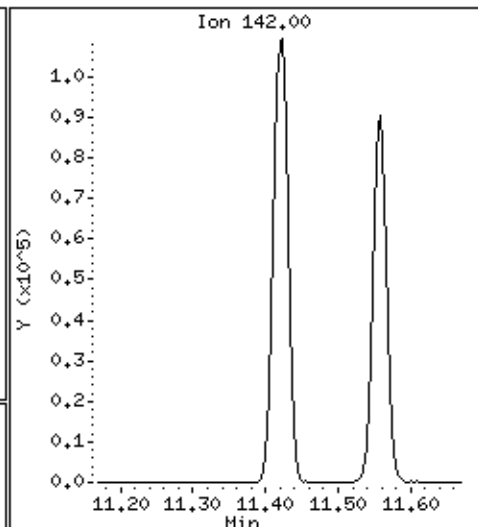
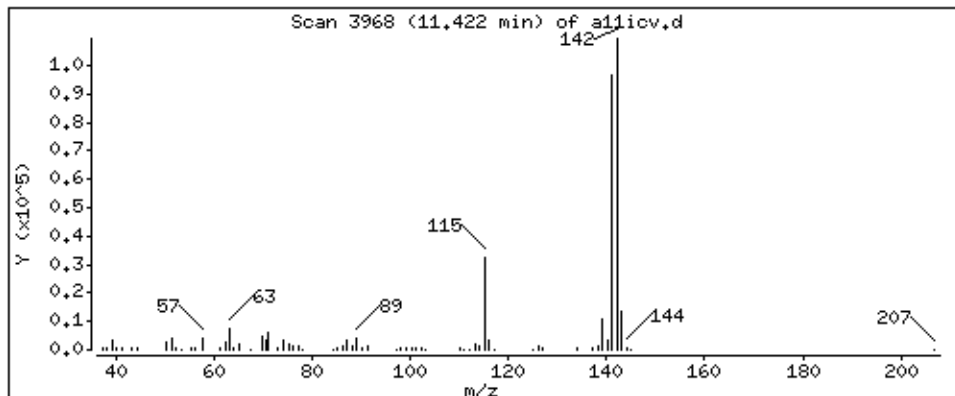
Operator: amv

Column phase: DB-624

Column diameter: 0,18

100 2,methyl-naphthalene

Concentration: 48,1 ppb



Date : 22-AUG-2018 19:13

Client ID: 8260-ICV

Instrument: 50mw2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

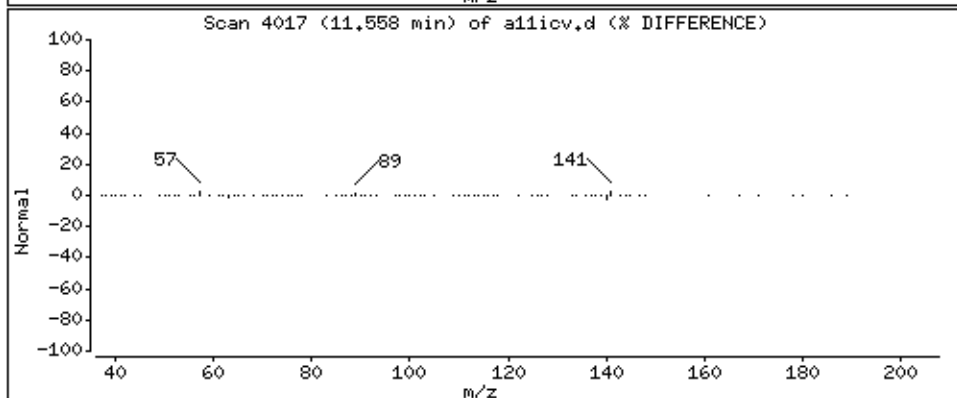
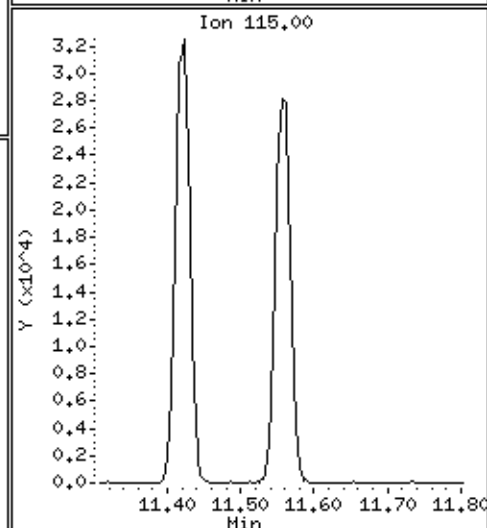
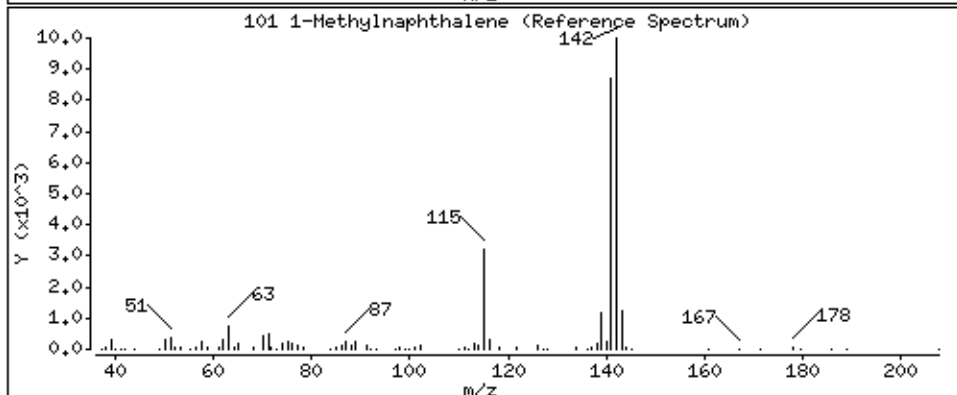
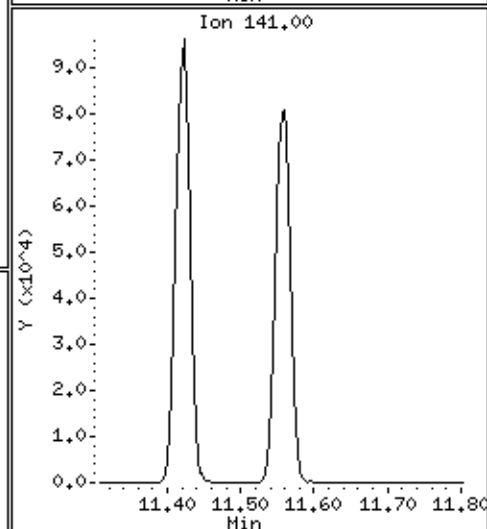
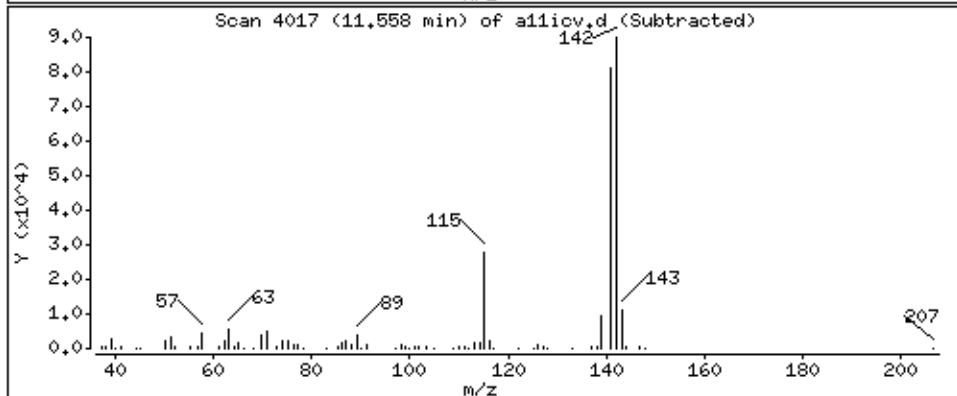
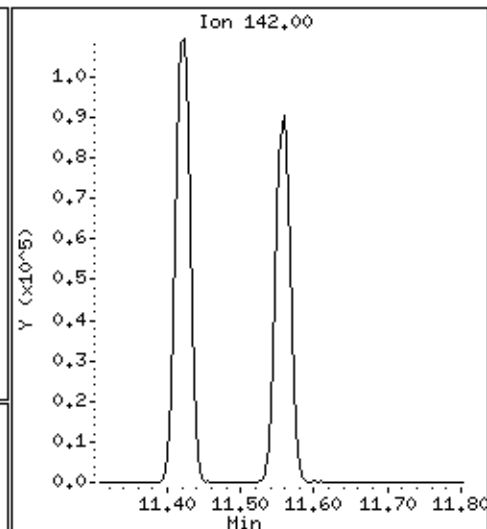
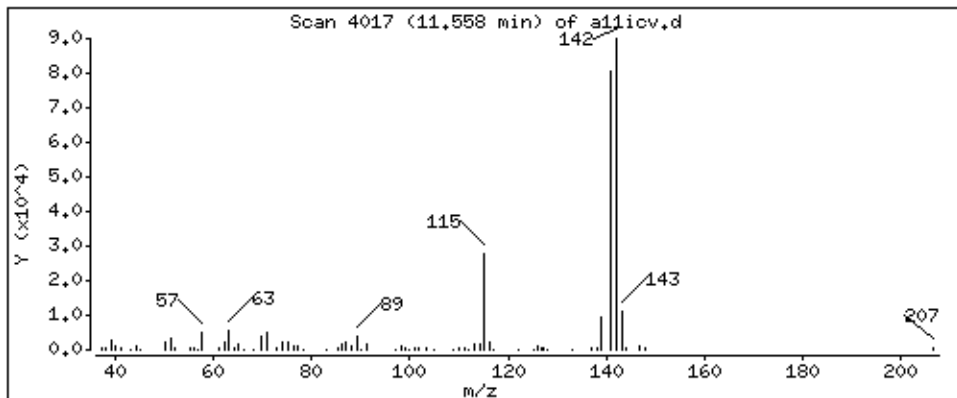
Operator: amv

Column phase: DB-624

Column diameter: 0,18

101 1-Methylnaphthalene

Concentration: 49.8 ppb



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Injection Date: 22-AUG-2018 19:13

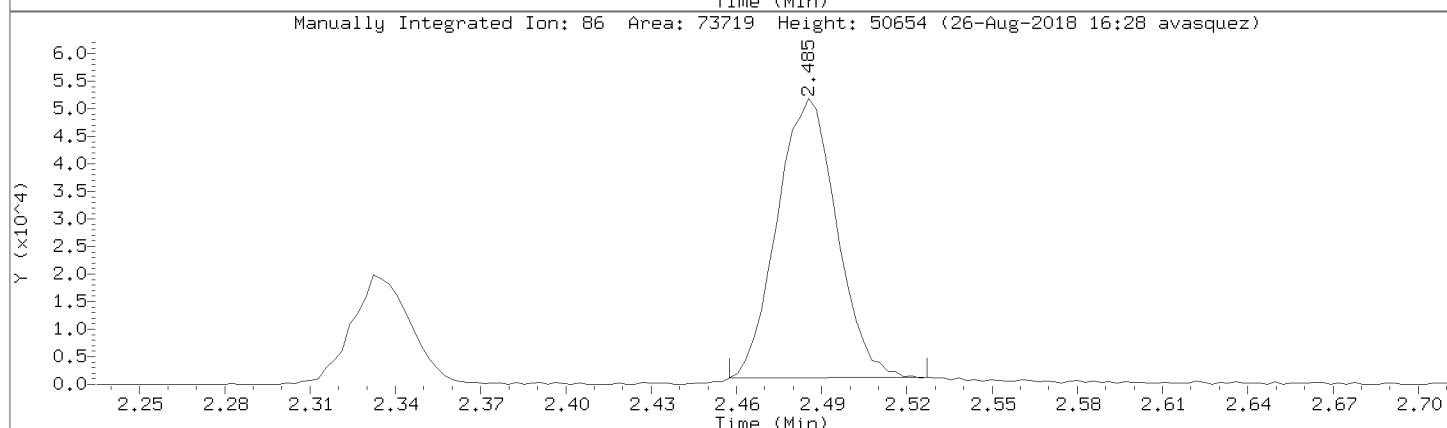
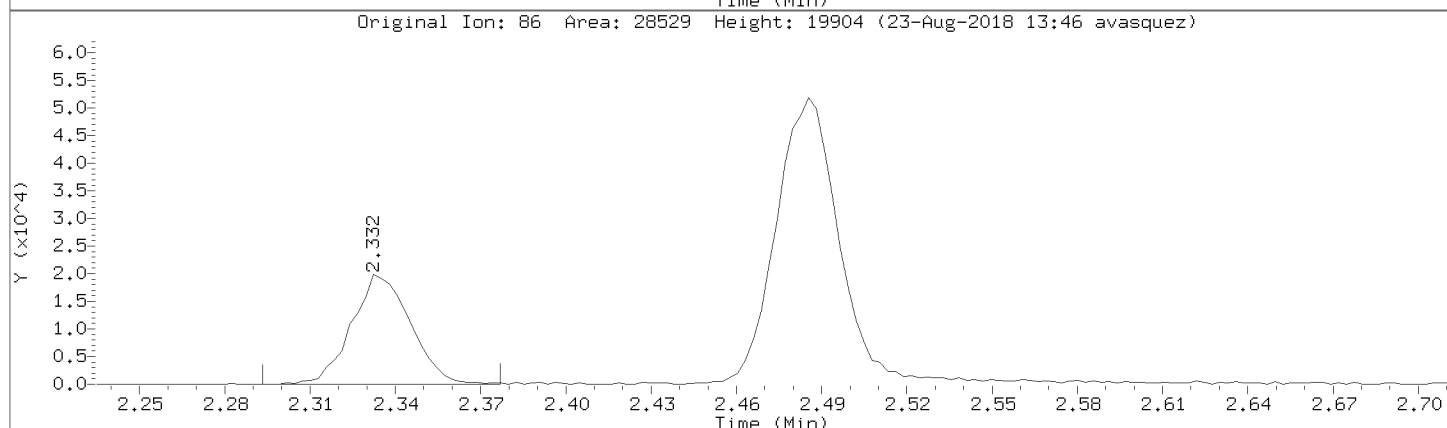
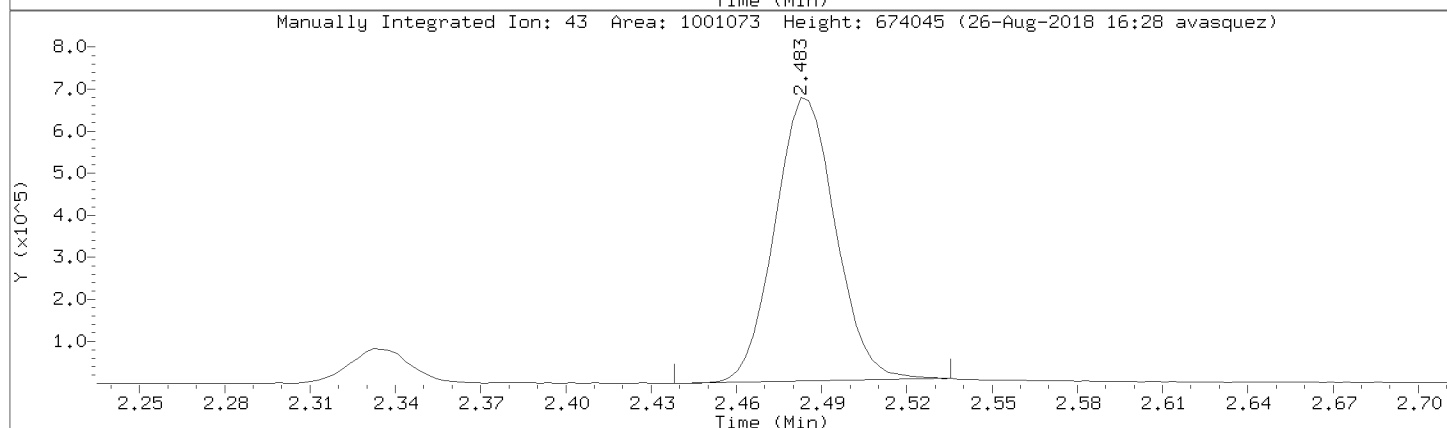
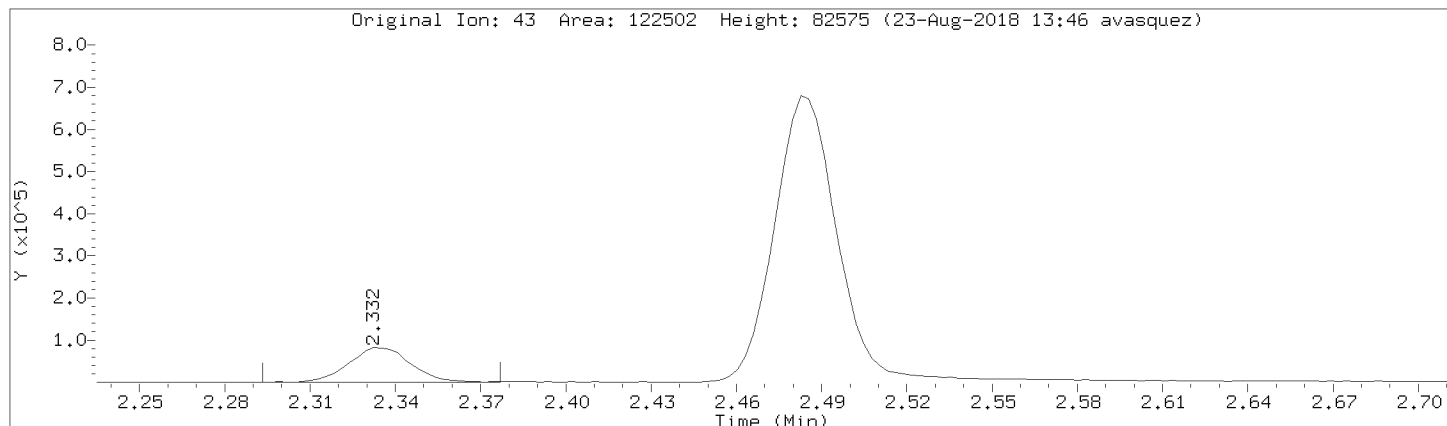
Instrument: 50mv2a.i

Lab Sample ID: 8260-ICV

Compound: Vinyl Acetate

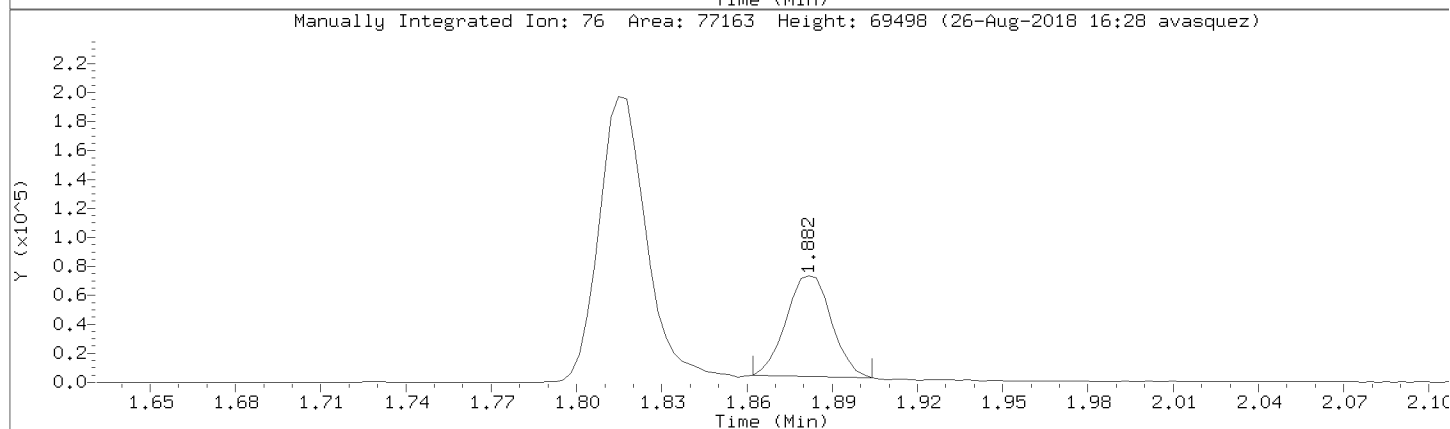
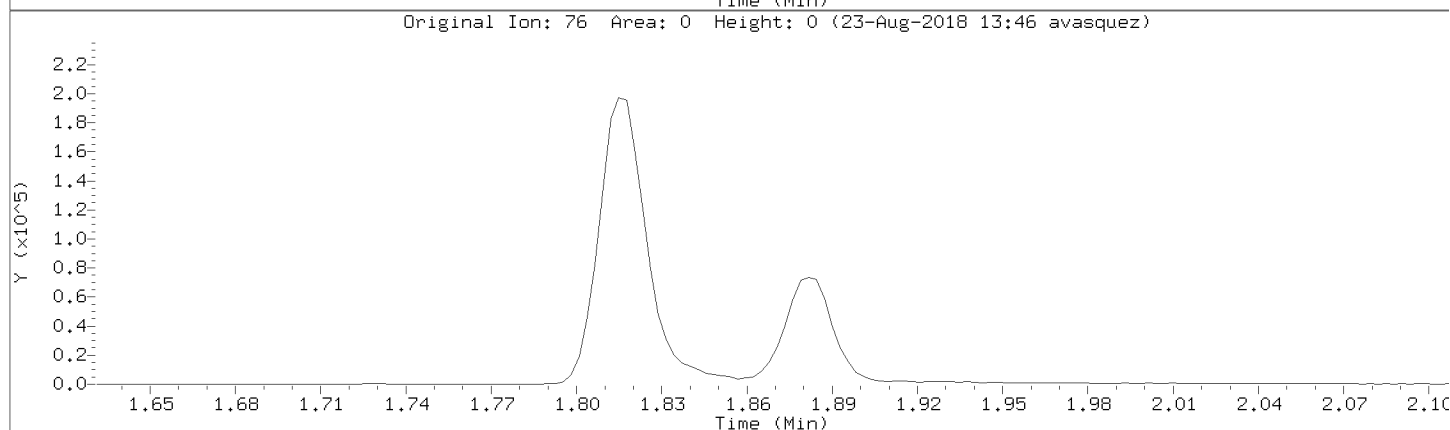
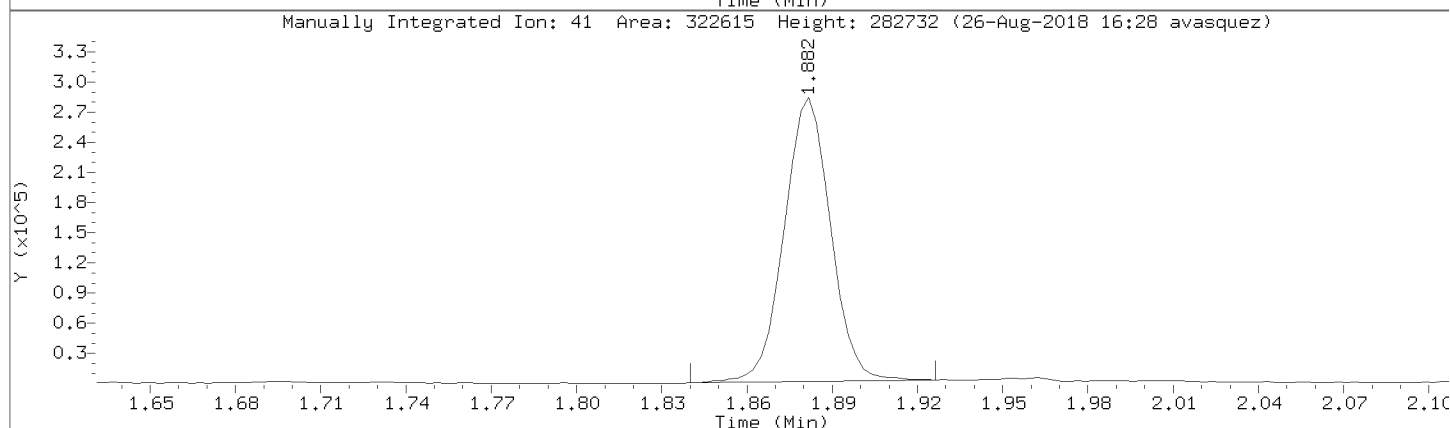
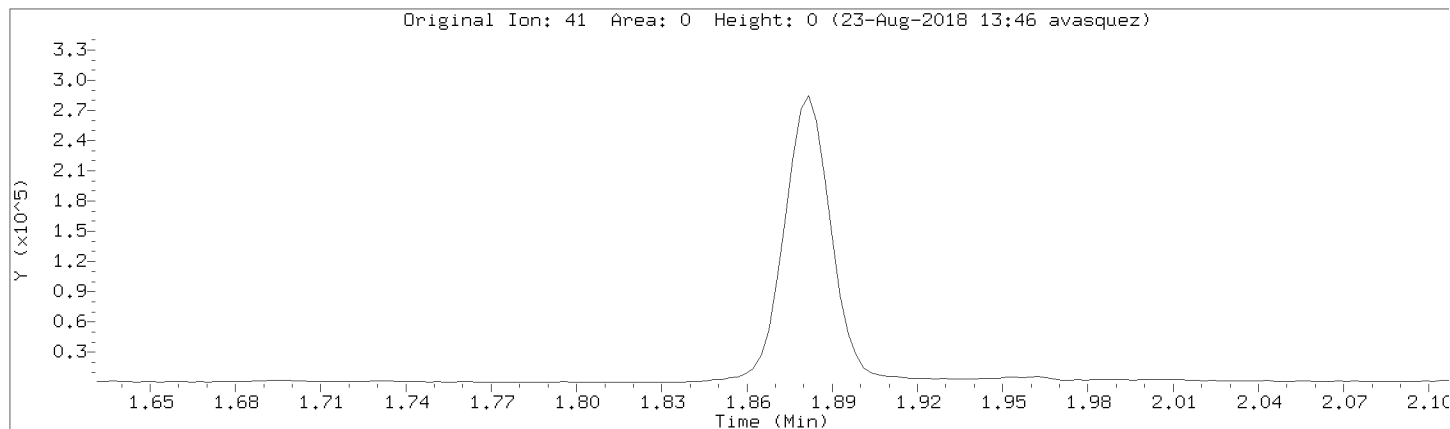
Review Code: WP

CAS Number: 108-05-4



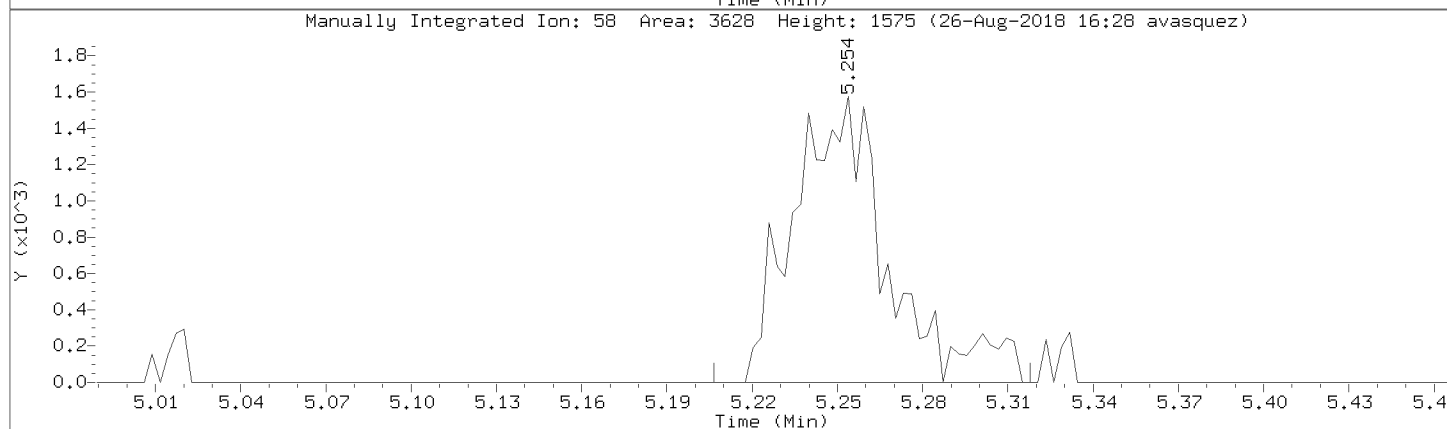
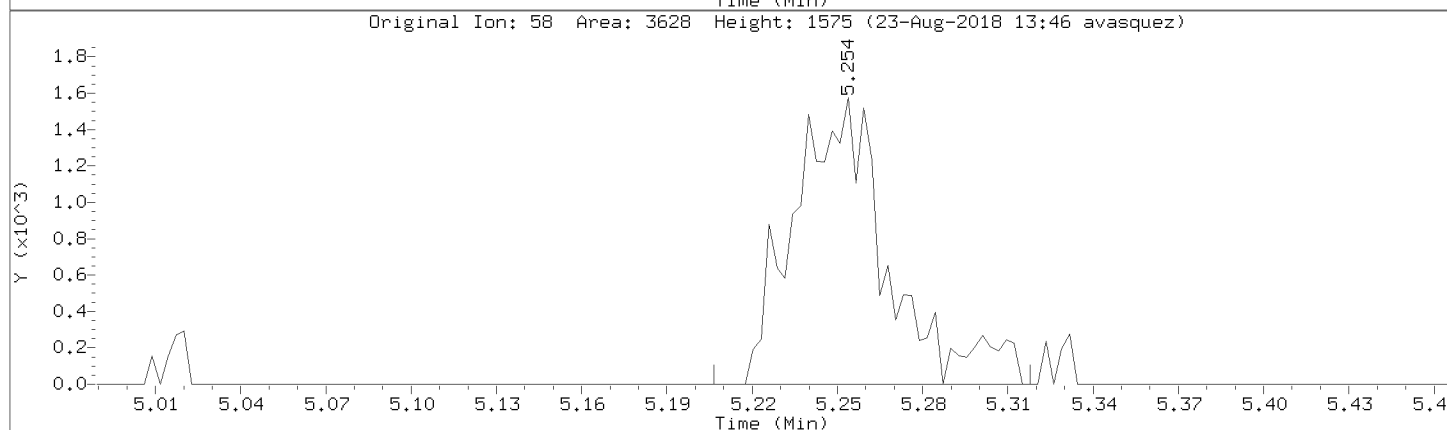
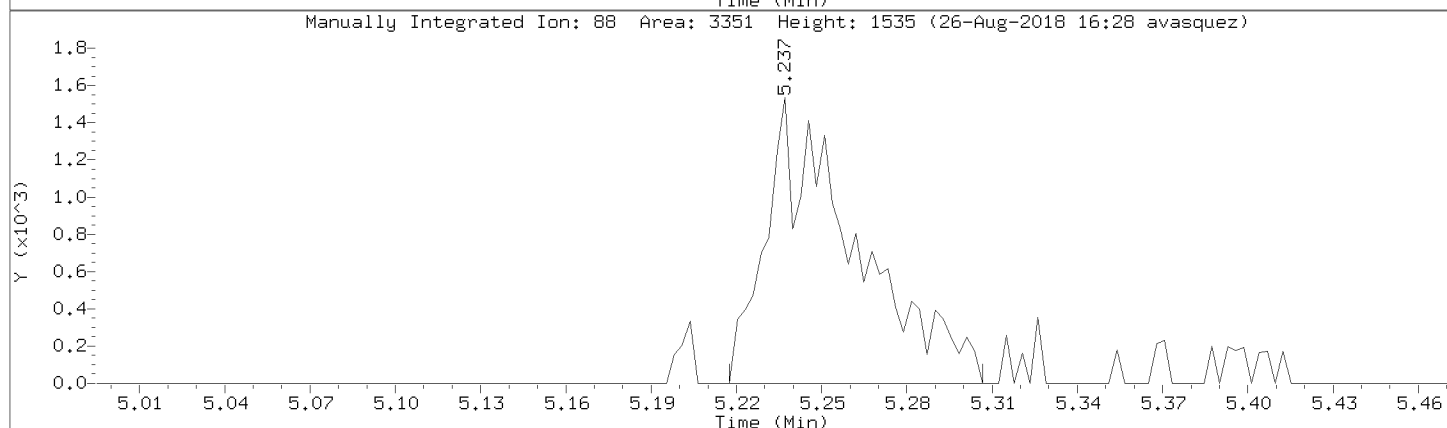
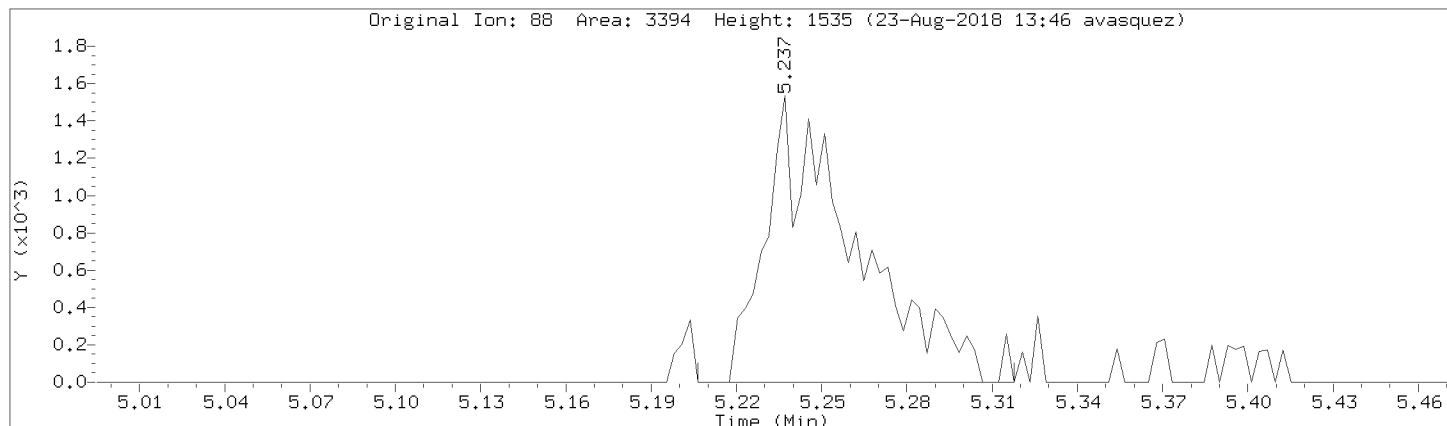
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Injection Date: 22-AUG-2018 19:13
Instrument: 50mv2a.i
Lab Sample ID: 8260-ICV

Compound: allyl chloride Review Code: NI
CAS Number: 107-05-1



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\allicv.d
Injection Date: 22-AUG-2018 19:13
Instrument: 50mv2a.i
Lab Sample ID: 8260-ICV

Compound: 1,4-Dioxane Review Code:
CAS Number:



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Data file : \\192.168.50.6\chem\50mv2a.i\a090118.b\c01ccv.d
 Lab Smp Id: 8260-CCV Client Smp ID: 8260-CCV
 Inj Date : 02-SEP-2018 03:15
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 8260-ccv,185275:0
 Misc Info : 117297
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a090118.b\ -a8260_a_c.m
 Meth Date : 04-Sep-2018 10:47 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 27 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
							CAL-AMT (ppb)	ON-COL (ppb)	
1 Dichlorodifluoromethane	85		0.927	0.927	(0.213)	98838	50.0000	61.8	
2 Chloromethane	50		1.033	1.030	(0.237)	53132	50.0000	38.8	
3 Vinyl Chloride	62		1.069	1.069	(0.245)	80684	50.0000	46.8	
4 Bromomethane	94		1.230	1.228	(0.282)	23061	50.0000	43.5	
5 Chloroethane	64		1.278	1.275	(0.293)	44355	50.0000	50.2	
6 Trichlorofluoromethane	101		1.400	1.400	(0.321)	101944	50.0000	49.8	
7 Diethyl ether	74		1.536	1.536	(0.352)	37700	50.0000	44.4	
8 1,2-dichlorotrifluoroethane	67		1.534	1.534	(0.352)	77466	50.0000	53.9	
9 Acrolein	56		1.612	1.611	(0.370)	300455	1000.00	918	
10 1,1,2trichlorotrifluoroethane	101		1.667	1.664	(0.382)	65990	50.0000	49.8	
11 1,1-Dichloroethene	96		1.676	1.673	(0.384)	62216	50.0000	46.6	
12 Acetone	43		1.692	1.692	(0.388)	96869	250.000	256	
13 Iodomethane	142		1.767	1.767	(0.405)	61513	100.000	40.9	
14 Carbon Disulfide	76		1.815	1.815	(0.416)	184014	50.0000	46.7	
15 Methyl Acetate	43		1.692	1.692	(0.388)	96869	50.0000	50.9(Q)	
16 Acetonitrile	39		1.881	1.879	(0.432)	169761	50.0000	40.0	
17 allyl chloride	41		1.879	1.879	(0.431)	263503	100.000	94.4	
18 Methylene Chloride	84		1.957	1.956	(0.449)	63251	50.0000	49.0	
19 tert-Butyl Alcohol	59		2.009	2.004	(0.461)	10852	100.000	90.2	
20 Acrylonitrile	53		2.115	2.112	(0.485)	113900	200.000	191	
21 Methyl-tert-butyl ether	73		2.135	2.129	(0.490)	196629	50.0000	48.0	
22 1,2-Dichloroethene (trans)	96		2.140	2.137	(0.491)	68918	50.0000	47.2	
23 n-Hexane	57		2.332	2.332	(0.535)	125088	50.0000	44.0	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
24 Vinyl Acetate	43	2.482	2.482	(0.569)	773478	200.000	170	
25 1,1-Dichloroethane	63	2.452	2.452	(0.562)	132826	50.0000	47.9	
26 Chloroprene	53	2.527	2.527	(0.580)	141378	50.0000	44.9	
27 Ethyl acetate	88	2.530	2.527	(0.580)	65809	400.000	412 (Q)	
28 2-Butanone	72	2.983	2.983	(0.684)	36055	250.000	269	
29 1,2-Dichloroethene (cis)	96	2.969	2.966	(0.681)	76255	50.0000	47.2	
30 2,2-Dichloropropane	77	2.972	2.966	(0.682)	97286	50.0000	40.6	
31 Propionitrile	54	3.050	3.044	(0.700)	9885	50.0000	50.5 (Q)	
32 Methacrylonitrile	41	3.211	3.206	(0.737)	48919	50.0000	44.7	
33 Bromochloromethane	49	3.217	3.217	(0.738)	54531	50.0000	42.4	
34 Tetrahydrofuran	42	3.275	3.275	(0.751)	24771	50.0000	48.1	
35 Chloroform	83	3.309	3.306	(0.759)	122631	50.0000	44.4	
\$ 36 Dibromofluoromethane (S)	113	3.495	3.495	(0.802)	72985	50.0000	55.5	
37 1,1,1-Trichloroethane	97	3.523	3.523	(0.808)	118326	50.0000	49.7	
38 cyclohexane	56	3.590	3.584	(0.823)	149000	50.0000	45.6	
150 n-butyl chloride	56	3.590	3.584	(0.823)	145988	50.0000	37.6	
39 Carbon Tetrachloride	117	3.729	3.726	(0.855)	104863	50.0000	49.1	
40 1,1-Dichloropropene	75	3.732	3.732	(0.856)	97933	50.0000	48.7	
41 Benzene	78	3.999	3.999	(0.917)	277365	50.0000	48.4	
42 1,2-Dichloroethane	62	4.032	4.029	(0.925)	95969	50.0000	45.6	
43 2,2,4-Trimethylpentane	57	4.118	4.121	(0.944)	304593	50.0000	45.9	
44 Isobutyl alcohol	43	3.929	3.924	(0.901)	23413	450.000	568	
* 45 Fluorobenzene	96	4.360	4.360	(1.000)	294633	50.0000		
46 isopropyl acetate	61	4.141	4.141	(0.950)	112221	200.000	196	
47 Trichloroethene	95	4.806	4.805	(1.102)	71902	50.0000	46.0	
48 Methylcyclohexane	55	5.020	5.020	(1.151)	120557	50.0000	43.9	
49 1,2-Dichloropropane	63	5.064	5.064	(1.161)	68029	50.0000	44.7	
50 1,4-Dioxane	88	5.240	5.242	(1.202)	3366	1000.00	730	
51 Dibromomethane	93	5.198	5.198	(1.192)	37327	50.0000	46.8	
52 Methyl methacrylate	69	5.251	5.245	(1.204)	48078	50.0000	41.8	
53 Bromodichloromethane	83	5.401	5.398	(1.239)	92014	50.0000	44.1	
54 2-Chloroethyl vinyl ether	63	5.768	5.768	(0.765)	82744	100.000	75.5	
55 cis-1,3-Dichloropropene	75	5.905	5.904	(0.783)	108511	50.0000	45.4	
56 4-Methyl-2-Pentanone	43	6.097	6.096	(0.809)	393101	250.000	213	
\$ 57 Toluene-d8	98	6.188	6.185	(0.821)	284474	50.0000	51.8	
58 Toluene	91	6.258	6.258	(0.830)	301414	50.0000	44.6	
59 trans-1,3-Dichloropropene	75	6.517	6.514	(0.864)	99105	50.0000	44.3	
60 Ethyl Methacrylate	69	6.633	6.631	(0.880)	101615	50.0000	48.7	
61 1,1,2-Trichloroethane	83	6.686	6.686	(0.887)	50877	50.0000	51.5	
62 Tetrachloroethene	166	6.803	6.806	(0.902)	91049	50.0000	50.2	
63 1,3-Dichloropropane	76	6.845	6.845	(0.908)	112296	50.0000	51.0	
64 2-Hexanone	43	6.945	6.945	(0.921)	279261	250.000	214	
65 Dibromochloromethane	129	7.045	7.045	(0.934)	72034	50.0000	48.8	
66 1,2-Dibromoethane	107	7.134	7.134	(0.946)	61839	50.0000	50.2	
* 67 Chlorobenzene-d5	117	7.540	7.540	(1.000)	224485	50.0000		
68 Chlorobenzene	112	7.563	7.563	(1.003)	190551	50.0000	48.9	
69 1,1,1,2-Tetrachloroethane	131	7.641	7.641	(1.013)	72345	50.0000	47.9	
70 Ethylbenzene	106	7.663	7.663	(1.016)	109230	50.0000	48.1	
71 m&p-Xylene	106	7.763	7.760	(1.030)	263560	100.000	93.4	
72 o-Xylene	106	8.069	8.069	(1.070)	125580	50.0000	48.7	
73 Styrene	104	8.083	8.083	(1.072)	213130	50.0000	48.6	
74 Bromoform	173	8.219	8.217	(0.887)	48472	50.0000	44.4	
75 Isopropylbenzene	105	8.353	8.353	(1.108)	337910	50.0000	45.7	
\$ 76 4-Bromofluorobenzene	95	8.459	8.461	(1.122)	108154	50.0000	51.5	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
77 n-amyl acetate	70	8.242	8.239 (1.093)		190168	200.000	180	
78 Bromobenzene	77	8.564	8.564 (1.136)		121548	50.0000	47.1	
79 1,1,2,2-Tetrachloroethane	83	8.575	8.578 (0.925)		75917	50.0000	43.6	
80 trans-1,4-Dichloro-2-butene	53	8.614	8.614 (1.142)		26264	50.0000	43.5	
81 1,2,3-Trichloropropane	110	8.603	8.603 (0.928)		24206	50.0000	44.4 (Q)	
82 n-Propylbenzene	91	8.651	8.651 (0.933)		420881	50.0000	48.5	
83 2-Chlorotoluene	91	8.706	8.709 (0.939)		230555	50.0000	48.6	
84 1,3,5-Trimethylbenzene	105	8.776	8.776 (0.947)		274520	50.0000	45.8	
85 4-Chlorotoluene	126	8.784	8.784 (0.948)		80003	50.0000	48.4	
86 tert-Butylbenzene	119	9.001	9.001 (0.971)		340477	50.0000	49.0	
87 1,2,4-Trimethylbenzene	105	9.032	9.032 (0.974)		285731	50.0000	47.7	
88 sec-Butylbenzene	105	9.151	9.149 (0.987)		377757	50.0000	48.8	
89 1,3-Dichlorobenzene	146	9.224	9.224 (0.995)		158108	50.0000	48.5	
90 p-Isopropyltoluene	119	9.246	9.246 (0.998)		325054	50.0000	50.2	
* 91 1,4-Dichlorobenzene-d4	152	9.268	9.268 (1.000)		120486	50.0000		
92 1,4-Dichlorobenzene	146	9.285	9.282 (1.002)		158674	50.0000	48.4	
93 n-Butylbenzene	91	9.516	9.516 (1.027)		275419	50.0000	45.2	
94 1,2-Dichlorobenzene	146	9.533	9.530 (1.029)		141689	50.0000	48.6	
95 1,2-Dibromo-3-chloropropane	155	10.033	10.033 (1.083)		13980	50.0000	47.5	
96 1,2,4-Trichlorobenzene	180	10.545	10.545 (1.138)		97980	50.0000	46.8	
97 Hexachlorobutadiene	225	10.643	10.643 (1.148)		52556	50.0000	48.5	
98 Naphthalene	128	10.701	10.701 (1.155)		236826	50.0000	48.7	
99 1,2,3-Trichlorobenzene	180	10.846	10.846 (1.170)		91188	50.0000	48.5	
100 2,methyl-naphthalene	142	11.422	11.419 (1.232)		130566	50.0000	52.3	
101 1-Methylnaphthalene	142	11.558	11.558 (1.247)		106647	50.0000	53.1	

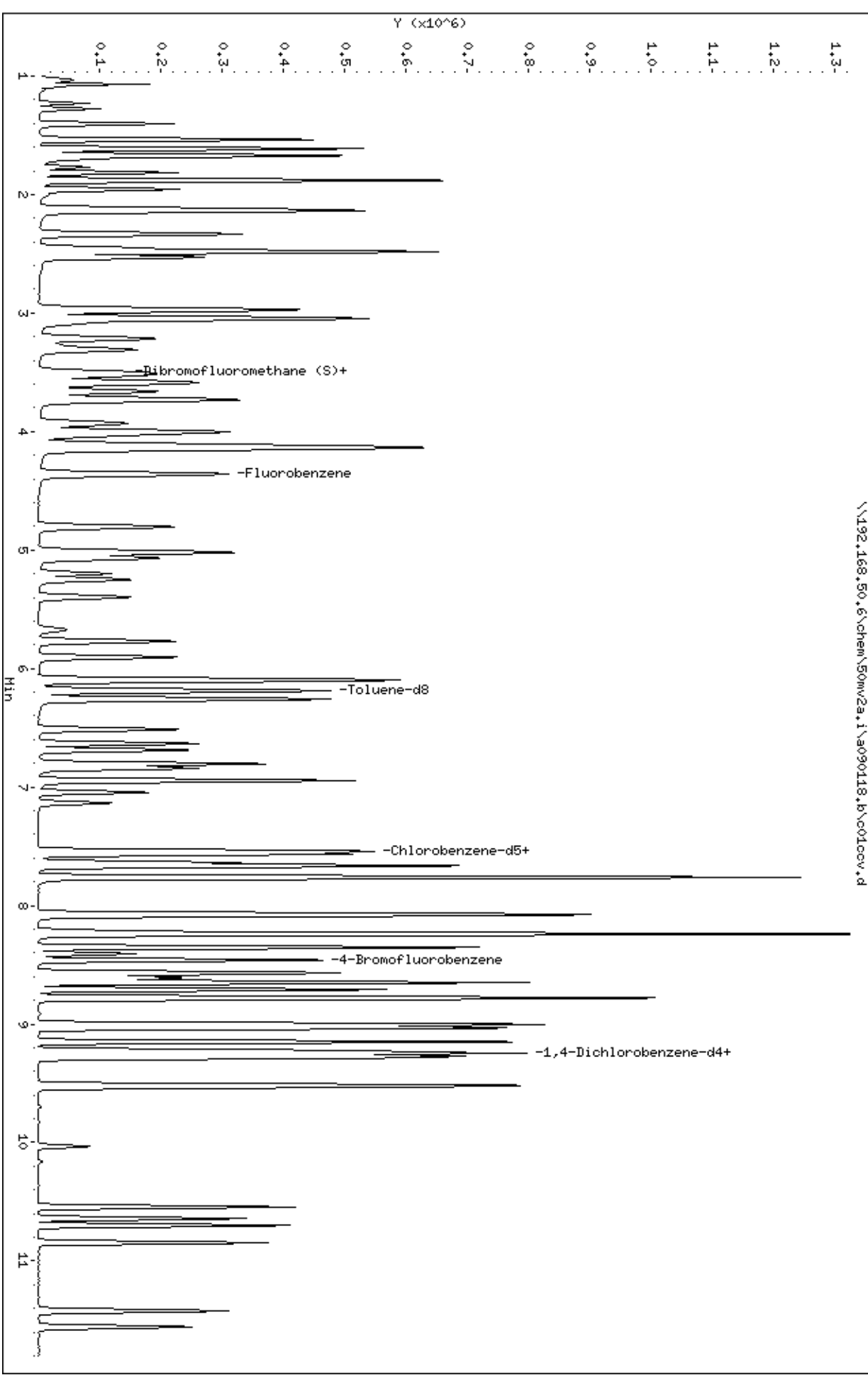
QC Flag Legend

Q - Qualifier signal failed the ratio test.

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Client ID: 8260-CCV
Sample Info: 8260-CCV,185275;0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw2a.1
Operator: amw
Column diameter: 0.18

\\192.168.50.6\chem\50mw2a.1\A090118.b\c01ocv.d



Data File: \\192.168.50.6\chem\50mv2a.i\a090118.b/c01ccv.d
Injection Date: 02-SEP-2018 03:15
Instrument: 50mv2a.i
Lab Sample ID: 8260-CCV
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6a.i\082818cal.b\010icv.d
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 Inj Date : 28-AUG-2018 20:03
 Operator : ala Inst ID: 50mv6a.i
 Smp Info : 8260-icv,184855:0
 Misc Info : 117677
 Comment :
 Method : \\192.168.50.6\chem\50mv6a.i\082818cal.b\08260sl_a_c.m
 Meth Date : 29-Aug-2018 11:10 aallison Quant Type: ISTD
 Cal Date : 28-AUG-2018 14:20 Cal File: a01.d
 Als bottle: 11 QC Sample: ICV
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A
 Processing Host: 50-VOA-ALA1

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ppb)	FINAL (ppb)
1 Dichlorodifluoromethane	85		0.916	0.916	(0.228)	78982	59.4306	59.4
2 Chloromethane	50		0.996	0.996	(0.248)	60333	39.9297	39.9
3 Vinyl Chloride	62		1.039	1.039	(0.258)	70719	50.7703	50.8
4 Bromomethane	94		1.178	1.173	(0.293)	53733	43.6495	43.6
5 Chloroethane	64		1.221	1.221	(0.303)	44108	47.1416	47.1(Q)
6 Trichlorofluoromethane	101		1.328	1.328	(0.330)	93622	49.4163	49.4
8 Diethyl ether	74		1.446	1.446	(0.359)	27830	47.4853	47.5(Q)
7 1,2-dichlorotrifluoroethane	67		1.462	1.462	(0.363)	72687	46.9851	47.0
9 Acrolein	56		1.515	1.515	(0.377)	218734	1195.18	1200
10 1,1,2trichlorotrifluoroethane	101		1.563	1.558	(0.389)	65806	55.2610	55.3
11 1,1-Dichloroethene	96		1.569	1.563	(0.390)	56468	49.7935	49.8
12 Acetone	43		1.579	1.579	(0.393)	65015	227.397	227
13 Iodomethane	142		1.654	1.649	(0.411)	134060	98.2767	98.3
14 Carbon Disulfide	76		1.697	1.692	(0.422)	198211	47.1699	47.2
16 Methyl Acetate	43		1.735	1.734	(0.431)	52898	73.7311	73.7
143 Acetonitrile	39		1.751	1.751	(0.435)	94265	39.9629	40.0
15 allyl chloride	41		1.751	1.751	(0.435)	142181	82.2437	82.2
17 Methylene Chloride	84		1.825	1.825	(0.454)	55113	46.8616	46.9
18 tert-Butyl Alcohol	59		1.863	1.863	(0.463)	12968	96.1843	96.2
19 Acrylonitrile	53		1.954	1.954	(0.486)	59492	182.732	183
20 Methyl-tert-butyl ether	73		1.975	1.975	(0.491)	126394	51.7187	51.7
21 1,2-Dichloroethene (trans)	96		1.986	1.986	(0.494)	57573	48.7737	48.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb)	FINAL (ppb)
22 n-Hexane	57	2.152	2.152	(0.535)	72428	44.5591	44.6
24 Vinyl Acetate	43	2.264	2.264	(0.563)	272550	183.482	183
23 1,1-Dichloroethane	63	2.275	2.275	(0.565)	78874	44.9326	44.9
147 chloroprene	53	2.323	2.323	(0.577)	68900	51.5914	51.6
28 2-Butanone	72	2.714	2.713	(0.674)	22335	216.349	216 (Q)
26 1,2-Dichloroethene (cis)	96	2.724	2.724	(0.677)	47882	48.7742	48.8 (Q)
27 2,2-Dichloropropane	77	2.730	2.730	(0.678)	63200	48.3471	48.3
149 Propionitrile	54	2.767	2.772	(0.688)	4353	38.9885	39.0 (Q)
151 Ethyl Acetate	88	2.756	2.751	(0.685)	741	39.1664	39.2 (Q)
144 Methacrylonitrile	41	2.906	2.906	(0.722)	80046	222.578	222
30 Bromochloromethane	49	2.944	2.944	(0.732)	32201	46.7887	46.8
31 Tetrahydrofuran	42	2.970	2.965	(0.738)	11346	49.6521	49.6
32 Chloroform	83	3.051	3.045	(0.758)	77429	44.4259	44.4
\$ 33 Dibromofluoromethane (S)	113	3.216	3.216	(0.799)	28143	47.1215	47.1
34 1,1,1-Trichloroethane	97	3.211	3.211	(0.798)	72347	51.0692	51.1
35 Cyclohexane	56	3.286	3.286	(0.817)	64059	44.2699	44.3
150 n-Butyl chloride	56	3.350	3.350	(0.833)	88019	51.4558	51.4
36 Carbon Tetrachloride	117	3.382	3.382	(0.840)	63978	49.8253	49.8
37 1,1-Dichloropropene	75	3.393	3.388	(0.843)	61900	50.4721	50.5
39 Benzene	78	3.623	3.623	(0.900)	164714	48.5117	48.5
40 1,2-Dichloroethane	62	3.714	3.709	(0.923)	47328	47.5651	47.6
145 isopropyl acetate	61	3.735	3.735	(0.928)	63814	256.500	256 (Q)
141 2,2,4-Trimethylpentane	57	3.783	3.778	(0.940)	172191	58.8653	58.9
38 Isobutyl alcohol	43	3.553	3.548	(0.883)	9695	237.577	238
* 41 Fluorobenzene	96	4.024	4.024	(1.000)	88559	50.0000	
42 Trichloroethene	95	4.479	4.479	(1.113)	44986	50.7421	50.7
43 Methylcyclohexane	55	4.736	4.736	(1.177)	55295	46.2431	46.2
44 1,2-Dichloropropane	63	4.784	4.784	(1.189)	40307	49.3971	49.4
45 Dibromomethane	93	4.886	4.880	(1.214)	23918	50.9683	51.0
142 1,4-Dioxane	88	4.891	4.891	(1.215)	9229	918.290	918
46 Methyl methacrylate	69	4.907	4.907	(1.219)	22195	45.4308	45.4
47 Bromodichloromethane	83	5.105	5.105	(1.269)	54832	48.2005	48.2
48 2-Chloroethyl vinyl ether	63	5.453	5.453	(0.763)	8937	49.3105	49.3
49 cis-1,3-Dichloropropene	75	5.586	5.586	(0.781)	61412	50.7992	50.8
50 4-Methyl-2-Pentanone	43	5.763	5.763	(0.806)	155266	242.382	242
\$ 51 Toluene-d8	98	5.848	5.848	(0.818)	96520	50.8297	50.8
52 Toluene	91	5.918	5.918	(0.828)	168827	49.6796	49.7
53 trans-1,3-Dichloropropene	75	6.202	6.201	(0.868)	50211	42.6906	42.7
54 Ethyl Methacrylate	69	6.287	6.292	(0.880)	167772	184.051	184
55 1,1,2-Trichloroethane	83	6.389	6.389	(0.894)	28802	50.7331	50.7
56 Tetrachloroethene	166	6.432	6.432	(0.900)	47844	51.2617	51.3
57 1,3-Dichloropropane	76	6.533	6.533	(0.914)	53020	52.6732	52.7
58 2-Hexanone	43	6.603	6.603	(0.924)	115141	250.057	250
59 Dibromochloromethane	129	6.710	6.715	(0.939)	40602	51.1380	51.1
60 1,2-Dibromoethane	107	6.795	6.790	(0.951)	33260	45.8448	45.8
* 61 Chlorobenzene-d5	117	7.148	7.148	(1.000)	62956	50.0000	
62 Chlorobenzene	112	7.170	7.170	(1.003)	104783	49.4972	49.5
63 1,1,1,2-Tetrachloroethane	131	7.245	7.245	(1.013)	38176	50.5891	50.6
64 Ethylbenzene	106	7.245	7.245	(1.013)	58968	51.3954	51.4 (Q)
65 m&p-Xylene	106	7.341	7.341	(1.027)	146940	103.694	104
67 o-Xylene	106	7.582	7.582	(1.061)	68494	53.5887	53.6
68 Styrene	104	7.598	7.598	(1.063)	115817	52.1758	52.2
69 Bromoform	173	7.710	7.710	(0.904)	25090	48.2427	48.2
146 n-amyl acetate	70	7.726	7.726	(1.920)	104207	212.572	212

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb)	FINAL (ppb)
70 Isopropylbenzene	105	7.812	7.812	(1.093)	191519	53.5523	53.6
\$ 72 4-Bromofluorobenzene	95	7.913	7.913	(1.107)	33505	51.7811	51.8
74 Bromobenzene	77	7.978	7.978	(1.116)	62422	49.0484	49.0
73 1,1,2,2-Tetrachloroethane	83	7.999	7.999	(0.938)	44018	47.4295	47.4
71 trans-1,4-Dichloro-2-butene	53	8.020	8.020	(1.122)	40377	181.273	181 (Q)
75 1,2,3-Trichloropropane	110	8.026	8.026	(0.941)	11775	52.3599	52.4 (Q)
76 n-Propylbenzene	91	8.047	8.047	(0.944)	225745	50.3976	50.4
77 2-Chlorotoluene	91	8.090	8.090	(0.949)	125016	49.1946	49.2
78 1,3,5-Trimethylbenzene	105	8.149	8.149	(0.955)	146673	52.6386	52.6
79 4-Chlorotoluene	126	8.160	8.159	(0.957)	44356	51.0187	51.0 (Q)
80 tert-Butylbenzene	119	8.309	8.309	(0.974)	133010	39.7076	39.7
81 1,2,4-Trimethylbenzene	105	8.341	8.341	(0.978)	145889	51.9785	52.0
82 sec-Butylbenzene	105	8.427	8.427	(0.988)	211572	52.5146	52.5
83 1,3-Dichlorobenzene	146	8.486	8.486	(0.995)	85758	48.9322	48.9
84 p-Isopropyltoluene	119	8.507	8.507	(0.997)	172158	53.0095	53.0
* 85 1,4-Dichlorobenzene-d4	152	8.529	8.529	(1.000)	35277	50.0000	
86 1,4-Dichlorobenzene	146	8.539	8.539	(1.001)	86101	47.2631	47.3
87 n-Butylbenzene	91	8.705	8.705	(1.021)	167684	51.2574	51.2
88 1,2-Dichlorobenzene	146	8.711	8.711	(1.021)	82974	50.2988	50.3
89 1,2-Dibromo-3-chloropropane	155	9.080	9.080	(1.065)	7780	50.2505	50.2
90 1,2,4-Trichlorobenzene	180	9.443	9.443	(1.107)	56064	48.4603	48.5
91 Hexachlorobutadiene	225	9.502	9.502	(1.114)	36566	51.3501	51.4
92 Naphthalene	128	9.556	9.556	(1.120)	138298	49.3094	49.3
93 1,2,3-Trichlorobenzene	180	9.652	9.652	(1.132)	57456	47.6036	47.6
94 2-methyl-naphthalene	142	10.059	10.059	(1.179)	87328	43.0267	43.0
148 1-Methylnaphthalene	141	10.144	10.144	(1.189)	72908	45.0335	45.0

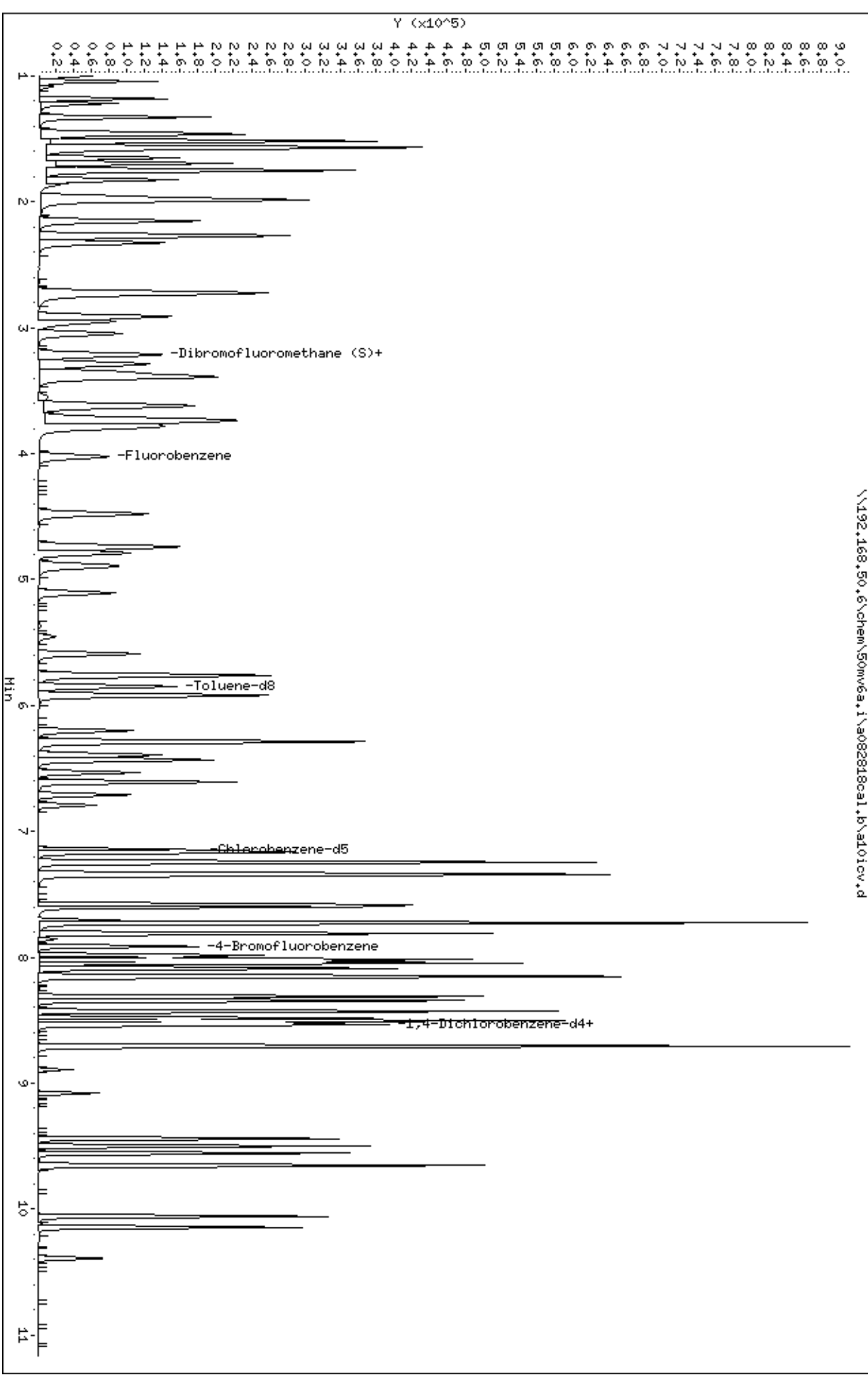
QC Flag Legend

Q - Qualifier signal failed the ratio test.

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Date: 28-AUG-2018 20:03
Client ID: 8260-ICW
Sample Info: 8260-ICW,184855:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw6a.i
Operator: alia
Column diameter: 0.18

\\192.168.50.6\chem\50mw6a.i\A082818cal.b\al01ov.d



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

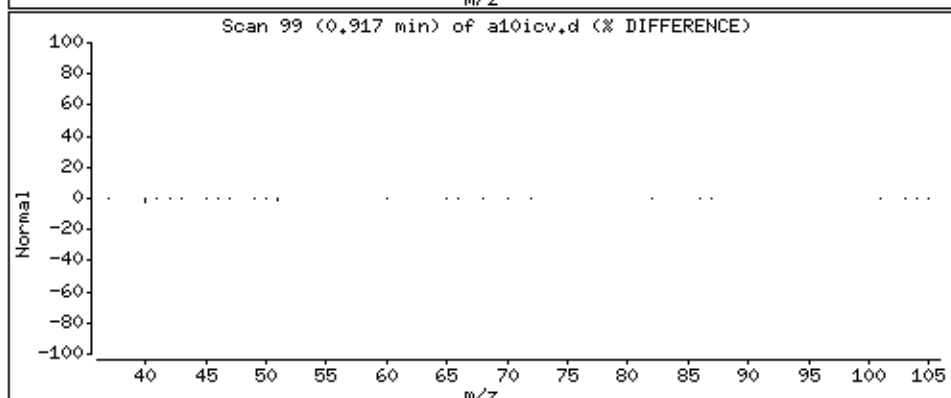
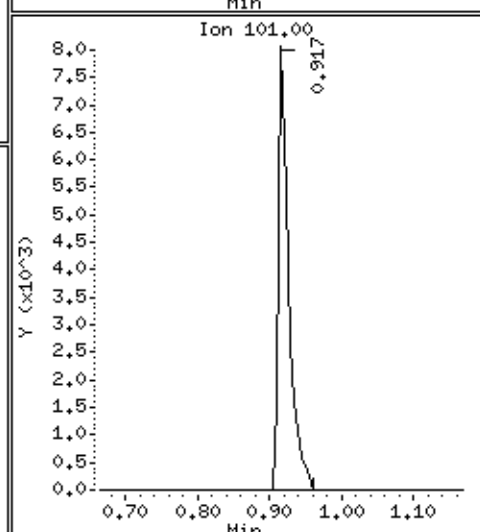
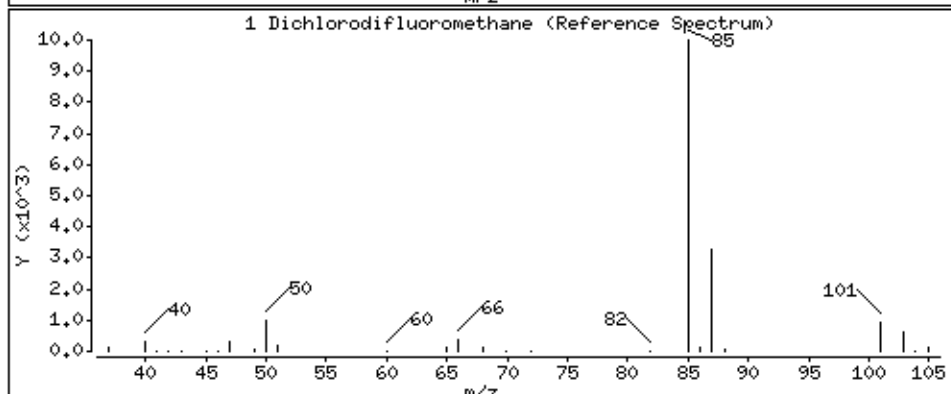
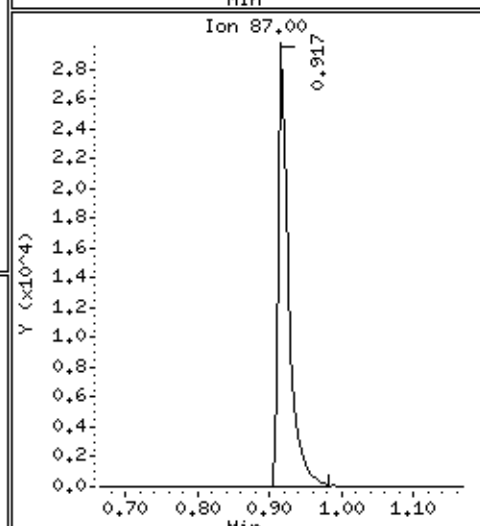
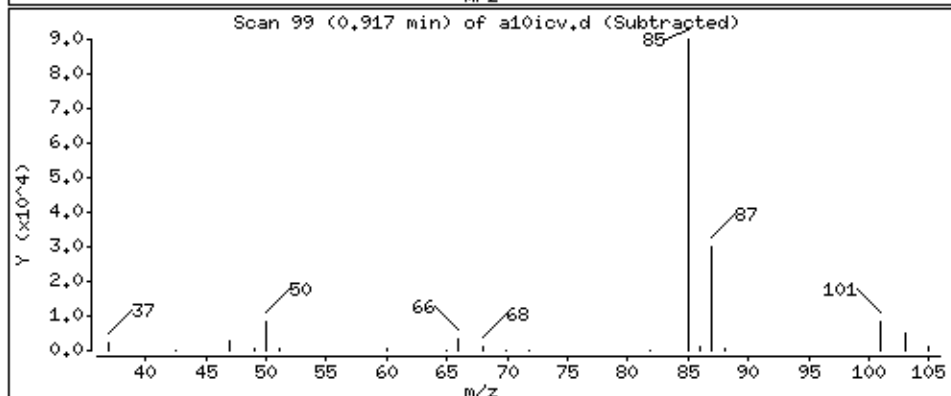
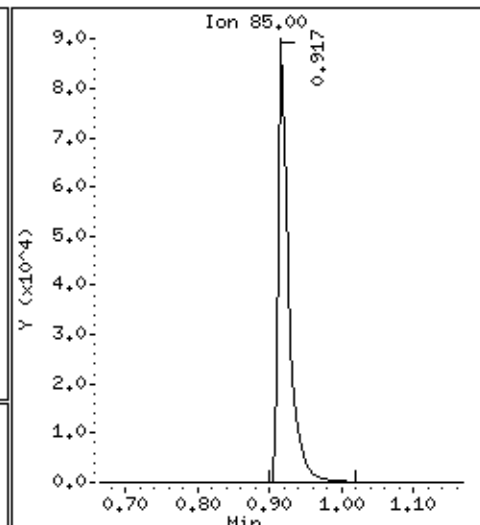
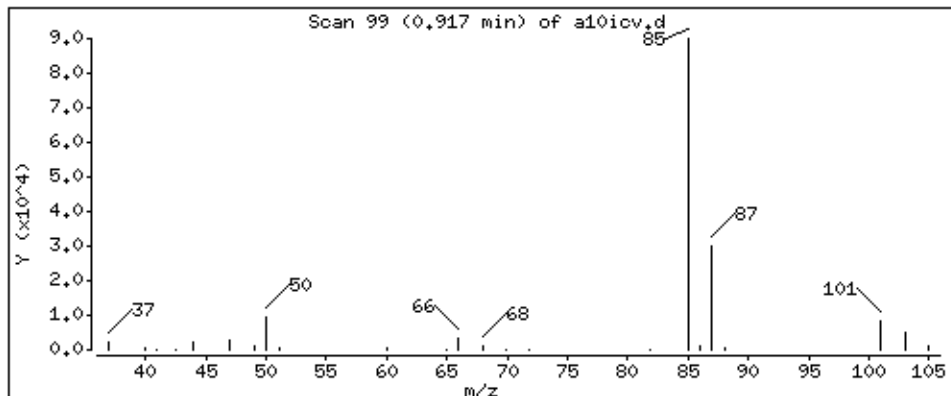
Operator: ala

Column phase: DB-624

Column diameter: 0,18

1 Dichlorodifluoromethane

Concentration: 59,4 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

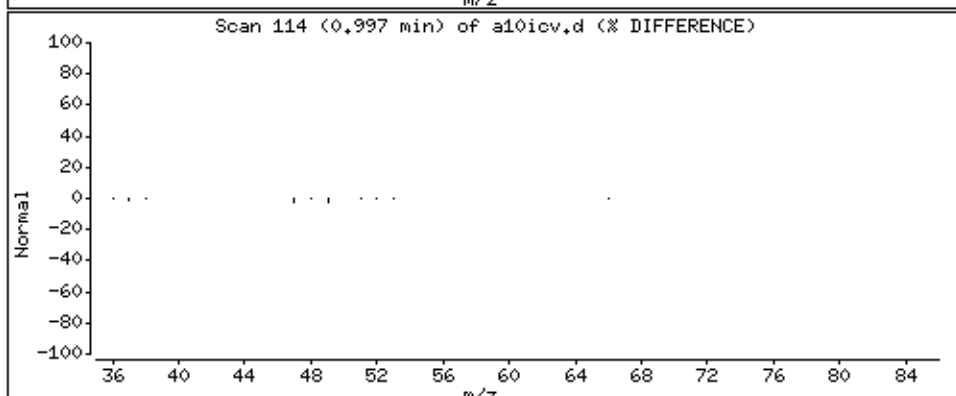
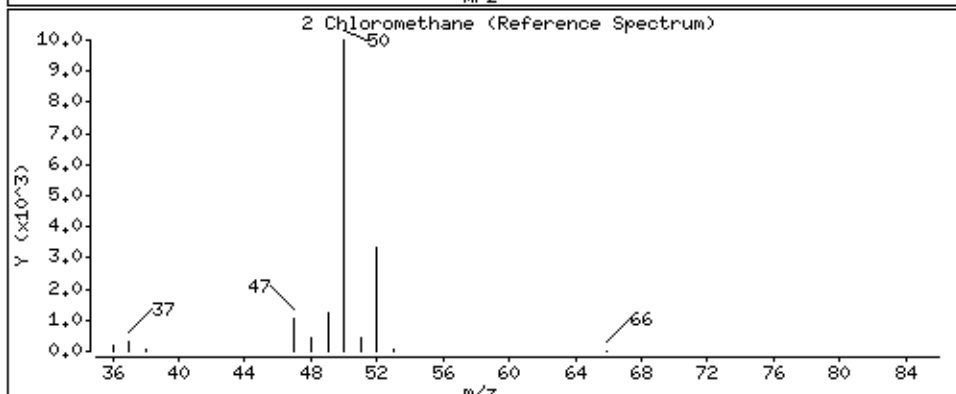
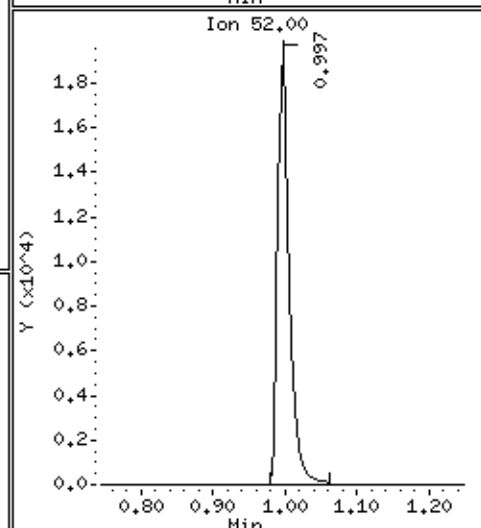
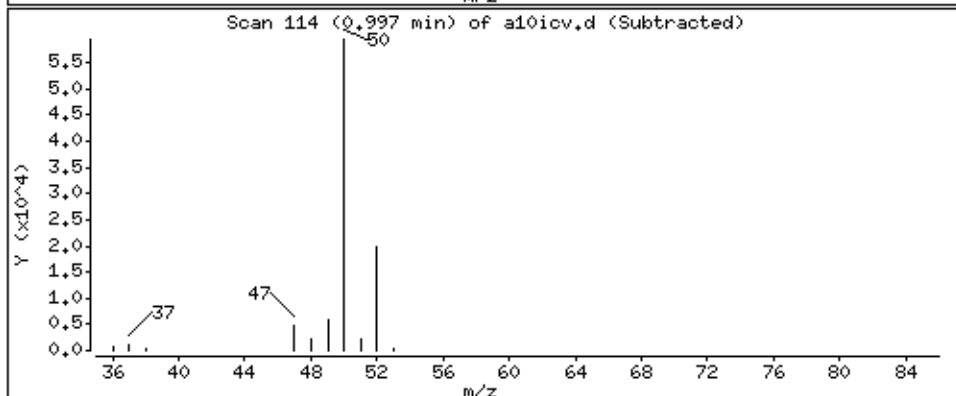
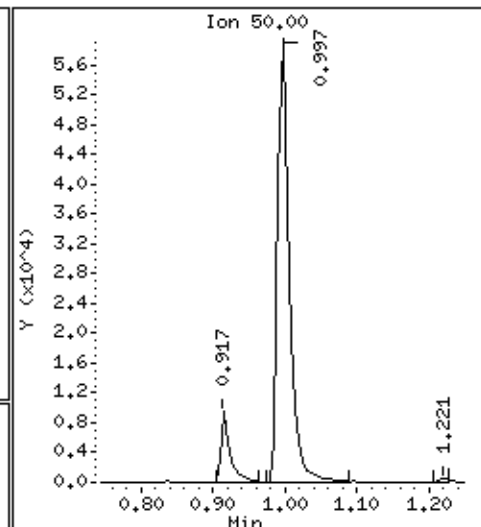
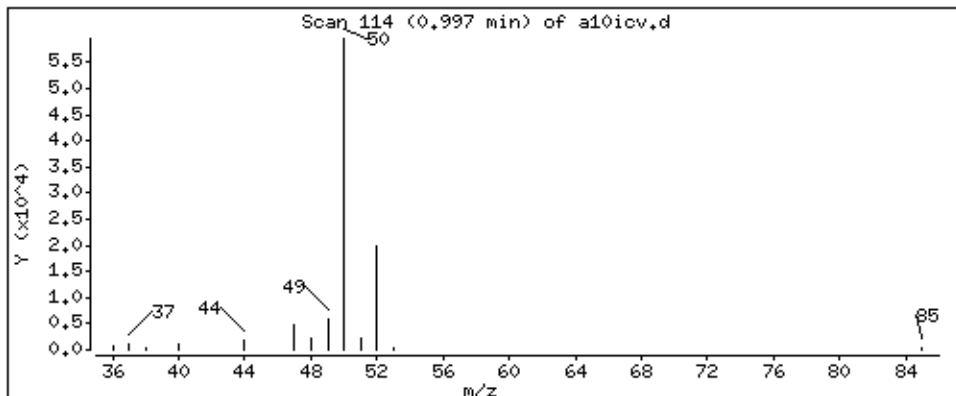
Operator: ala

Column phase: DB-624

Column diameter: 0,18

2 Chloromethane

Concentration: 39,9 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

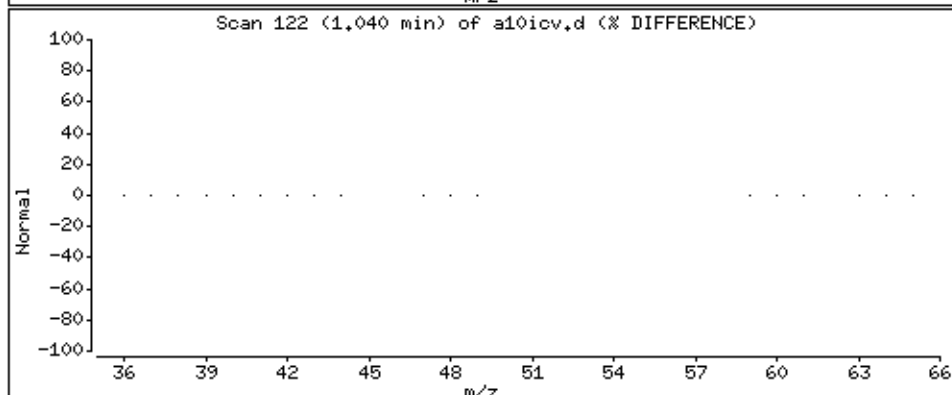
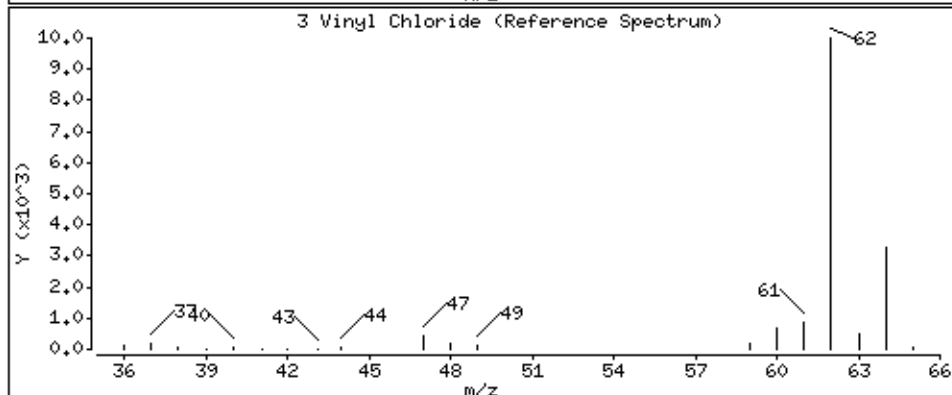
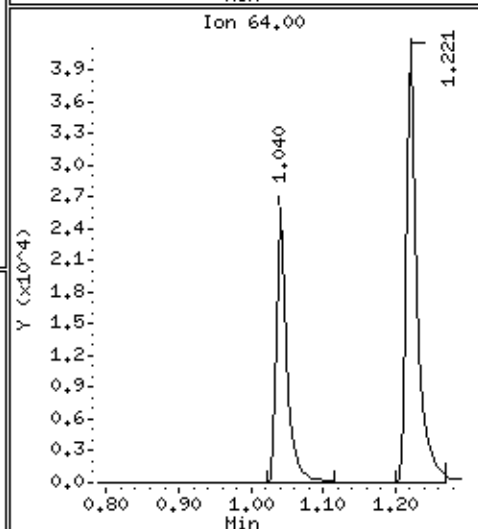
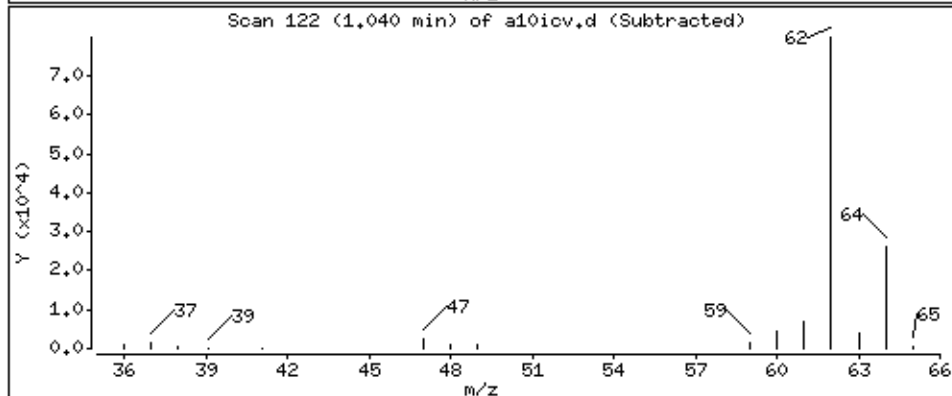
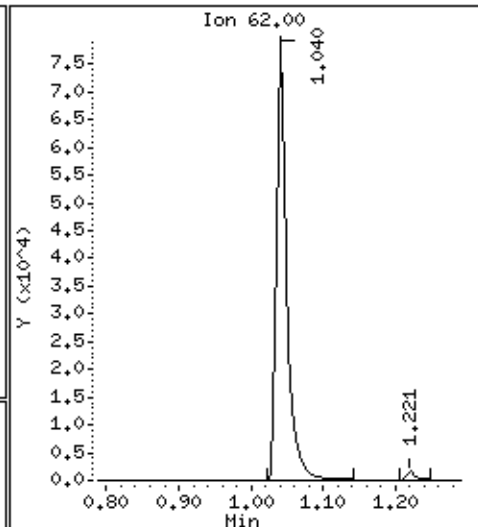
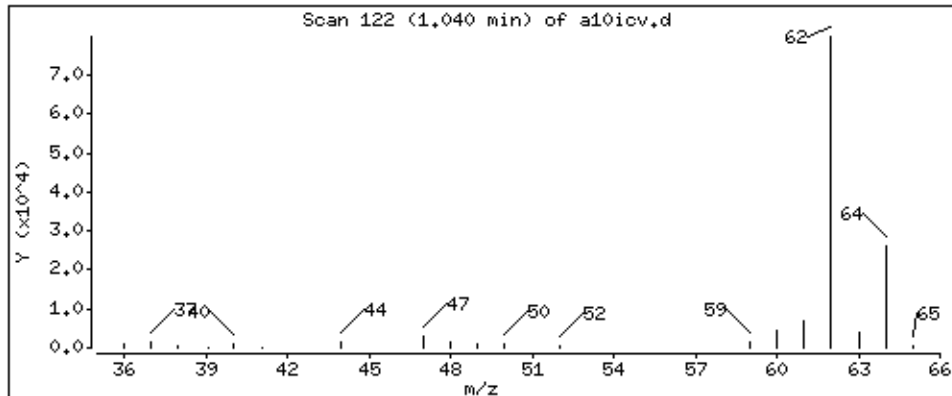
Operator: ala

Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 50,8 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855;0

Purge Volume: 5.0

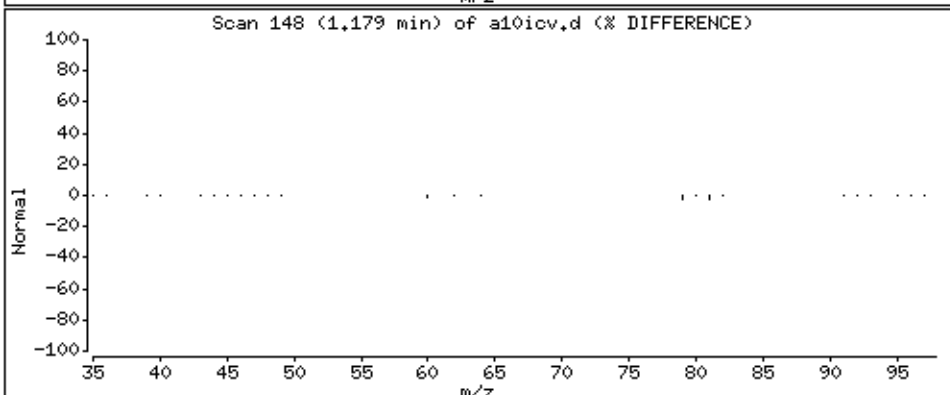
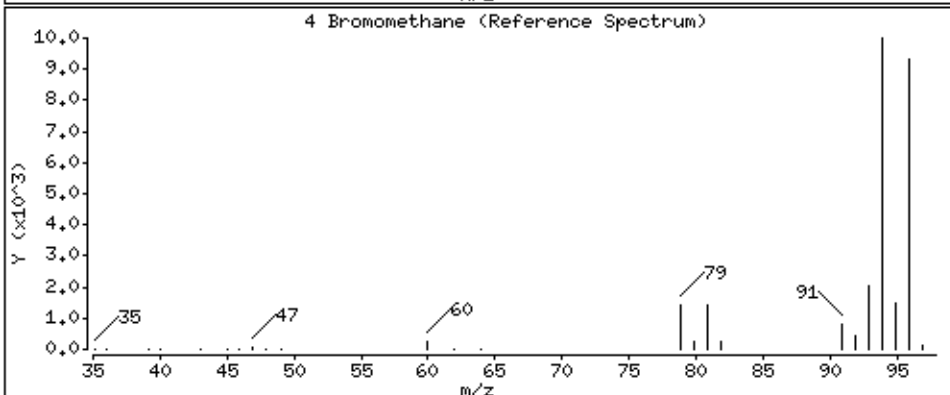
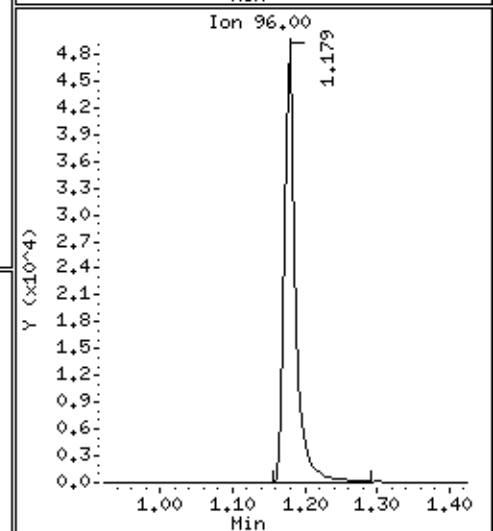
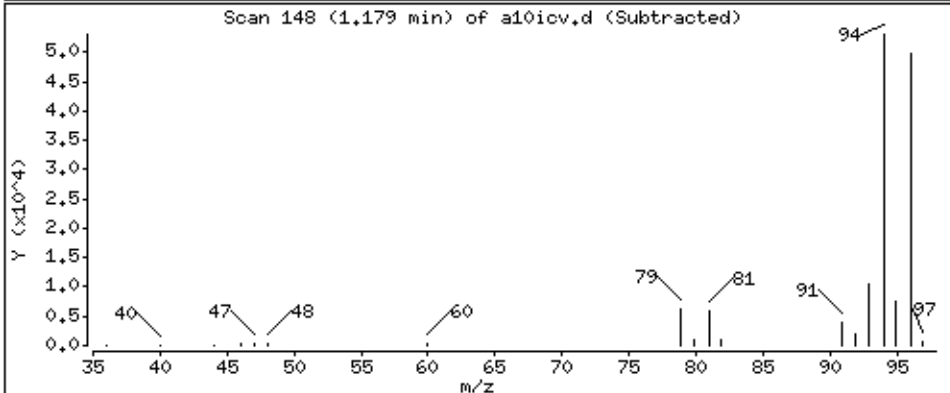
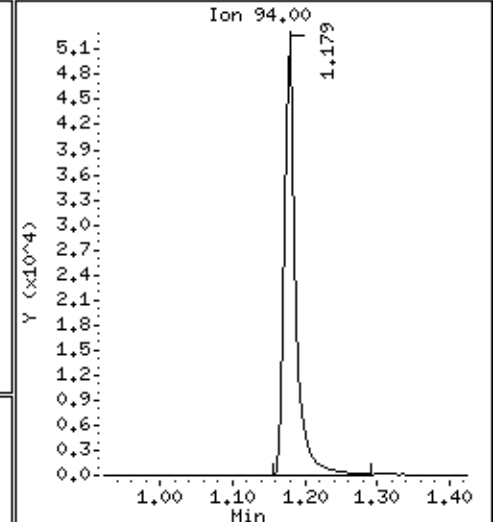
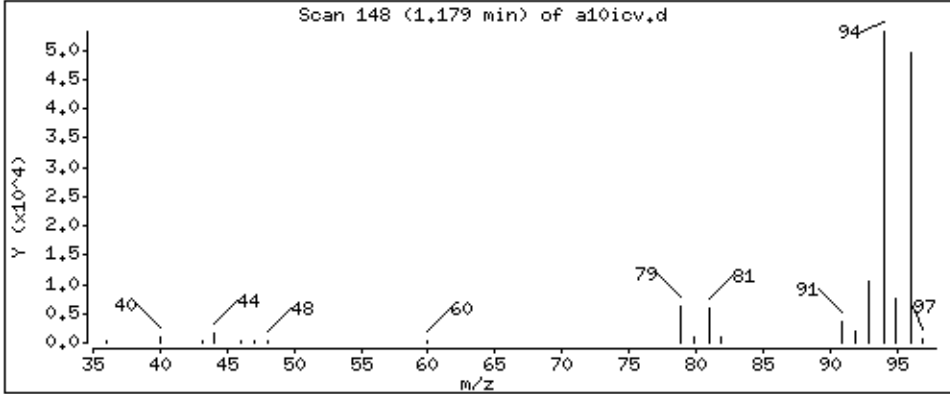
Operator: ala

Column phase: DB-624

Column diameter: 0,18

4 Bromomethane

Concentration: 43,6 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

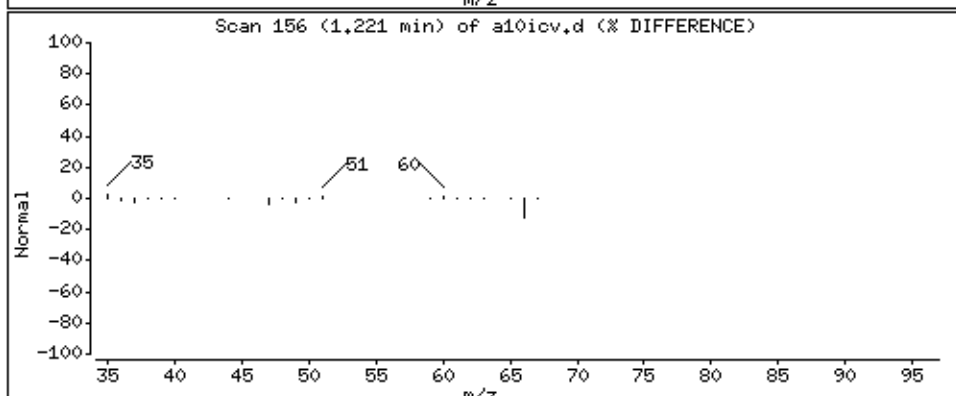
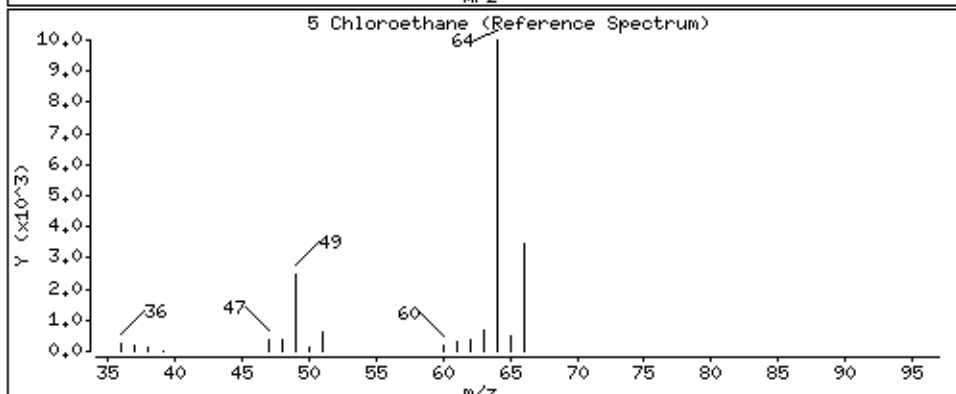
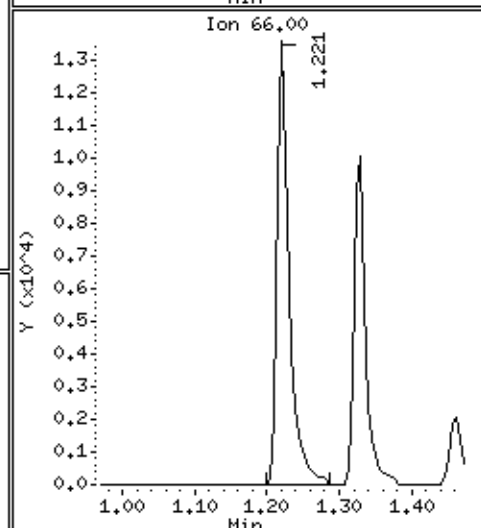
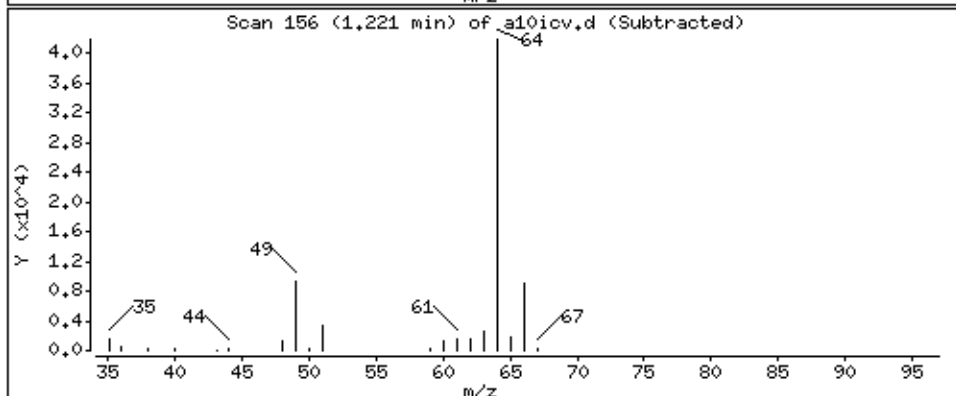
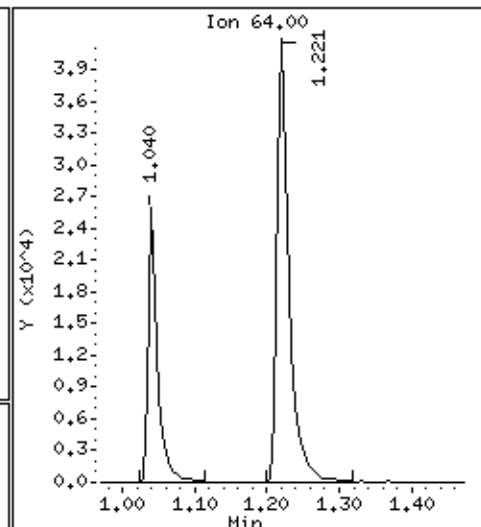
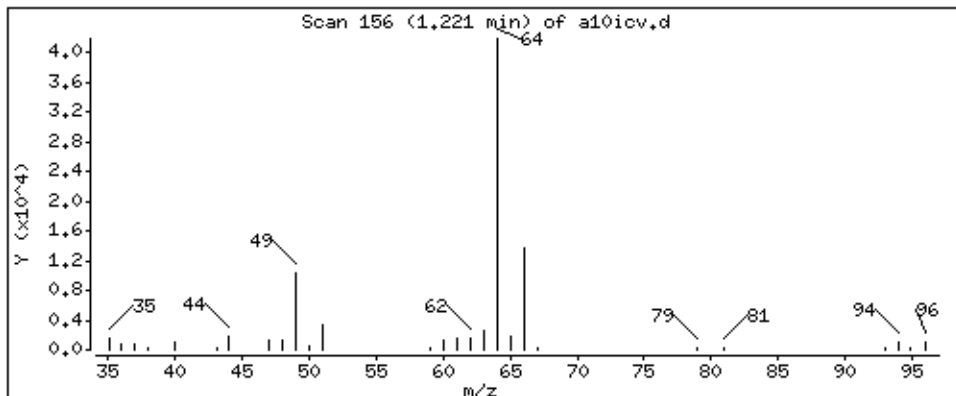
Operator: ala

Column phase: DB-624

Column diameter: 0,18

5 Chloroethane

Concentration: 47.1 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

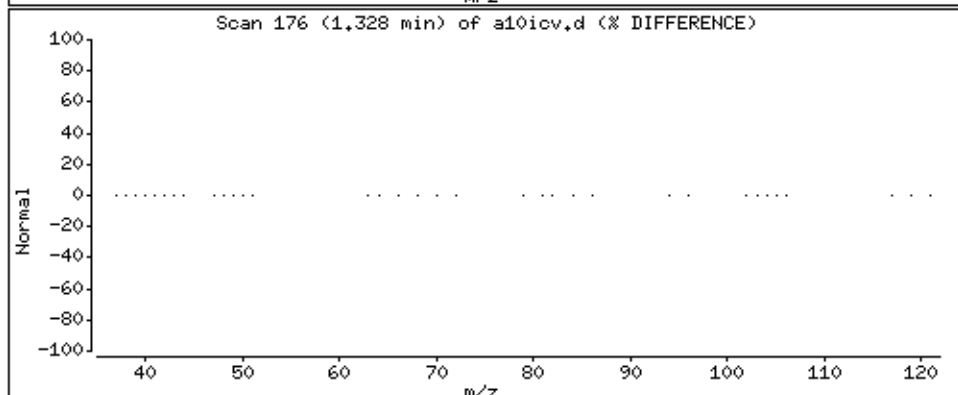
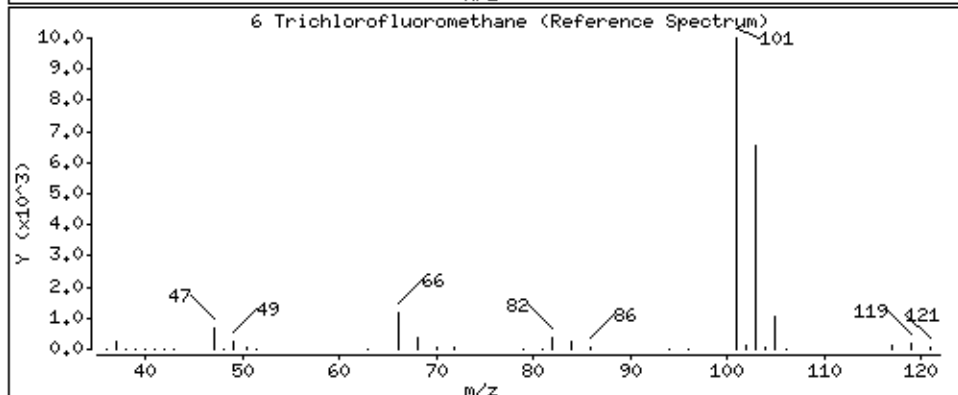
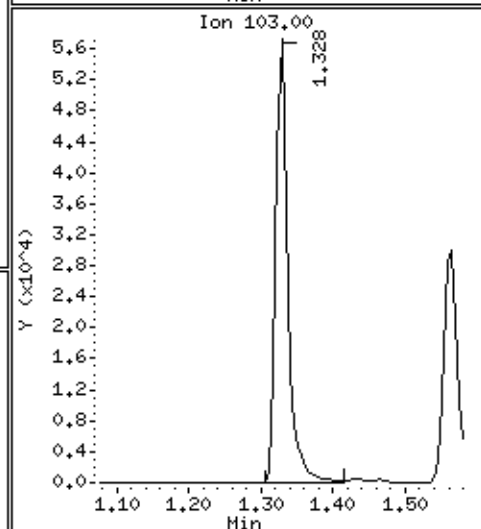
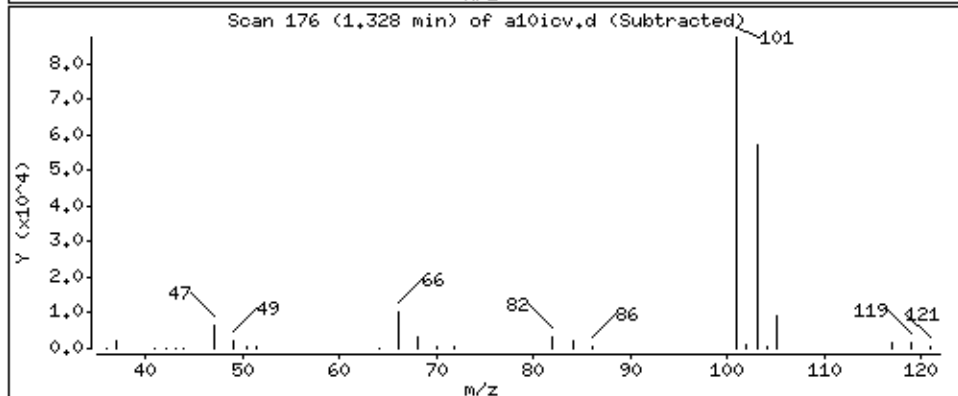
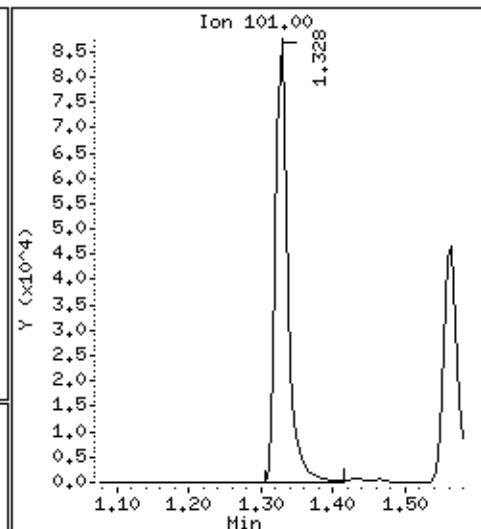
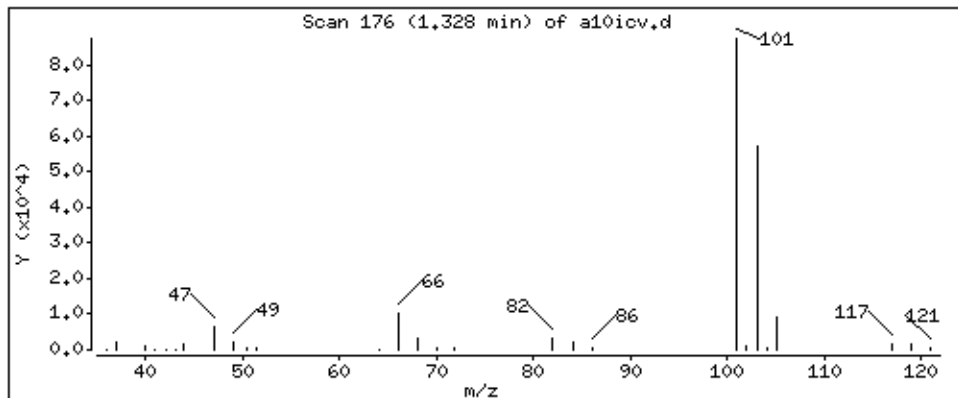
Operator: ala

Column phase: DB-624

Column diameter: 0,18

6 Trichlorofluoromethane

Concentration: 49.4 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

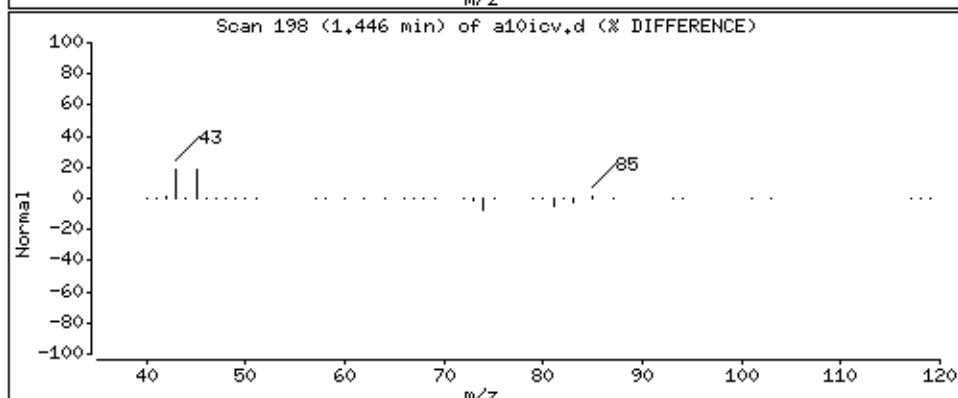
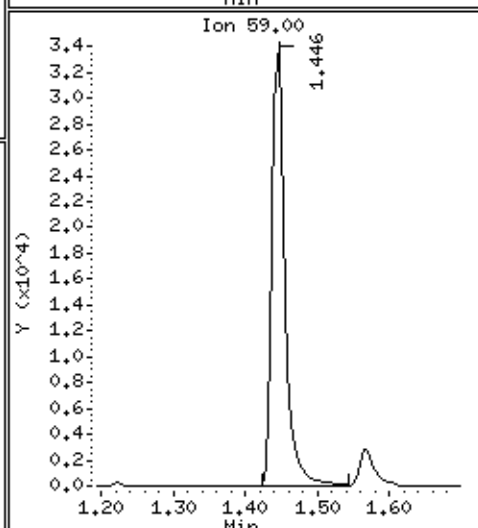
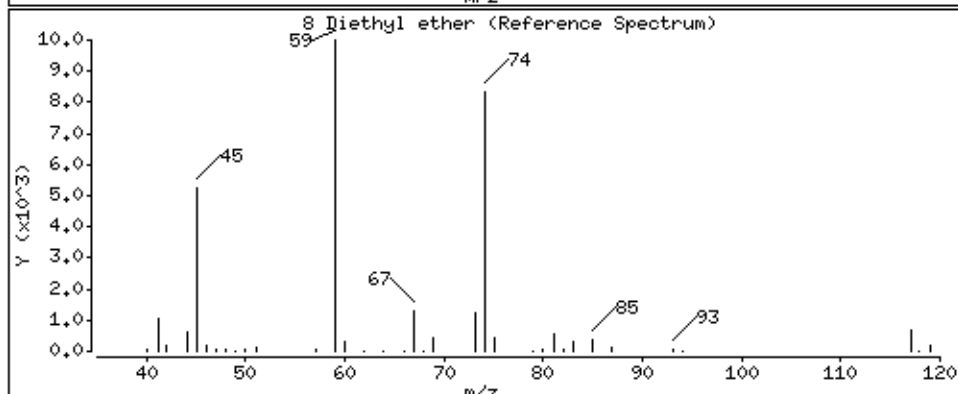
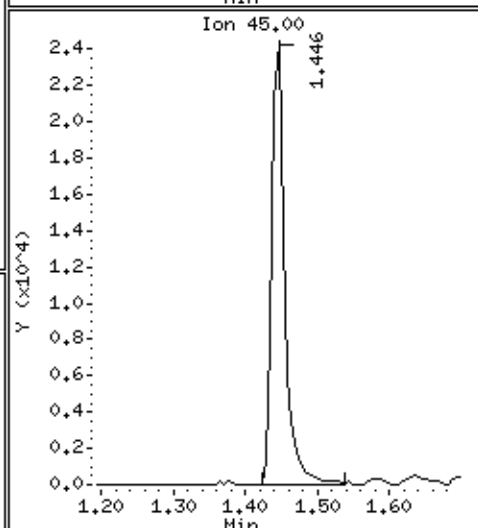
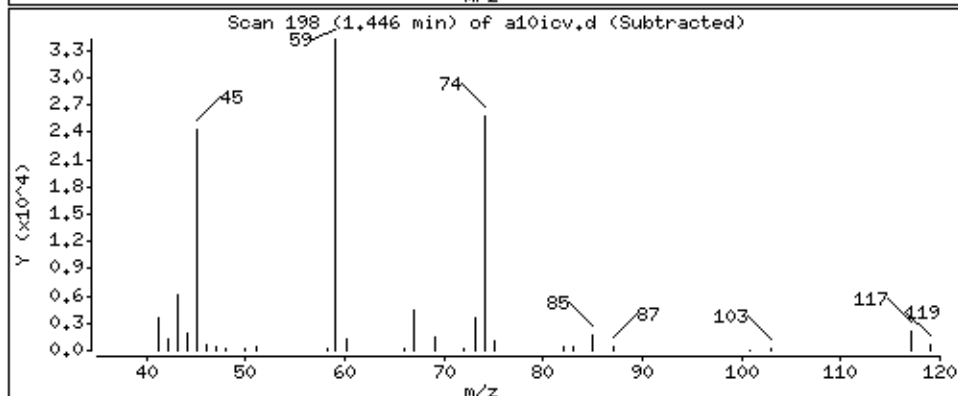
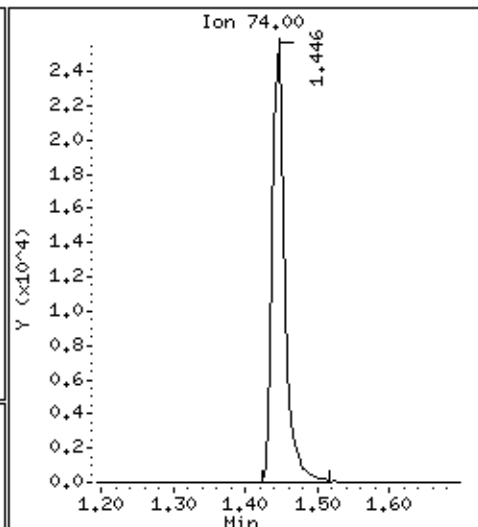
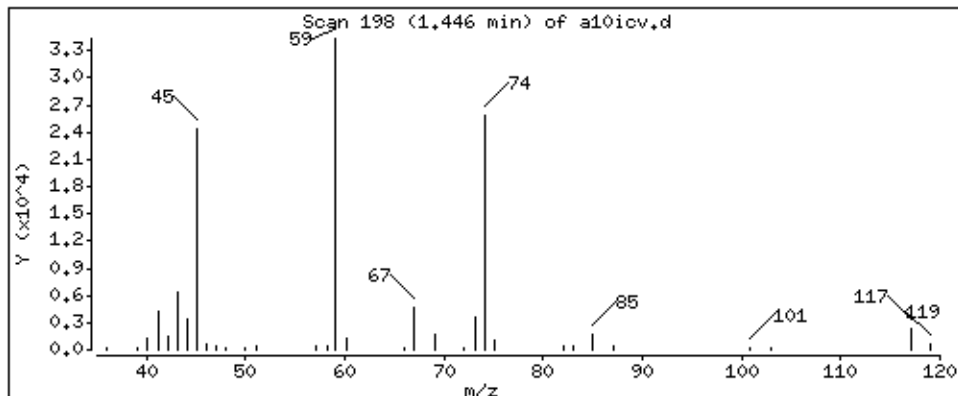
Operator: ala

Column phase: DB-624

Column diameter: 0.18

8 Diethyl ether

Concentration: 47.5 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

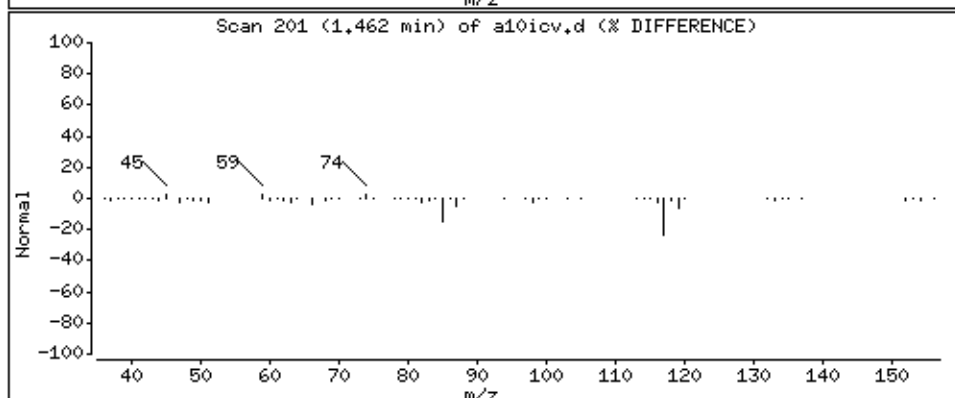
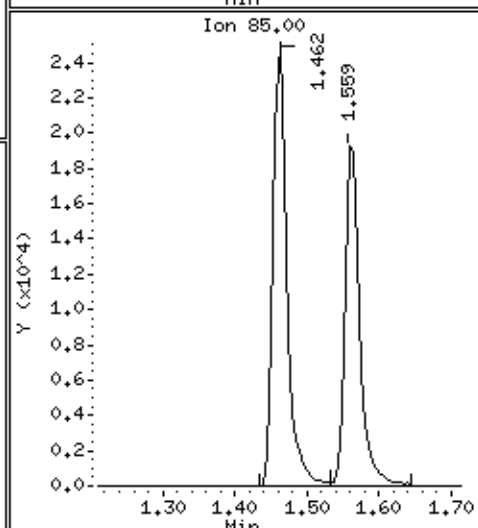
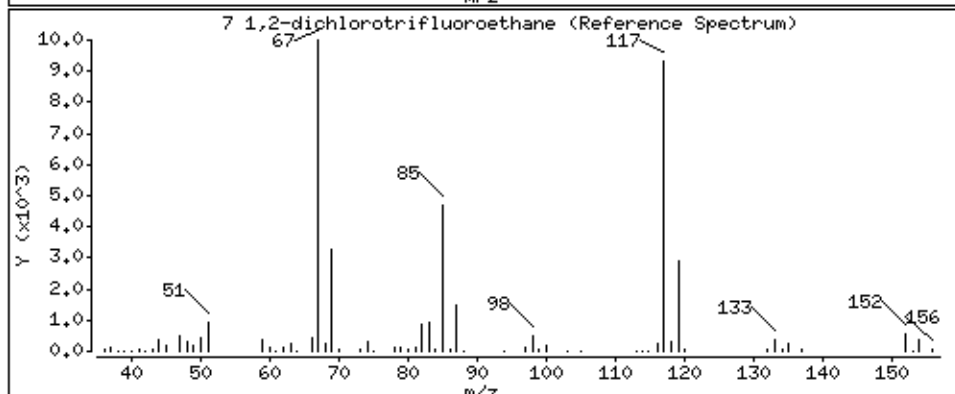
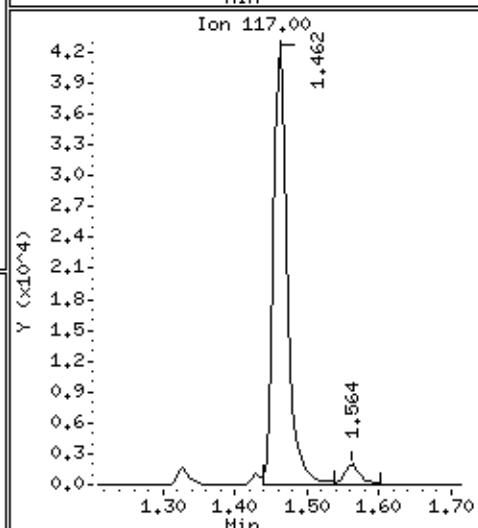
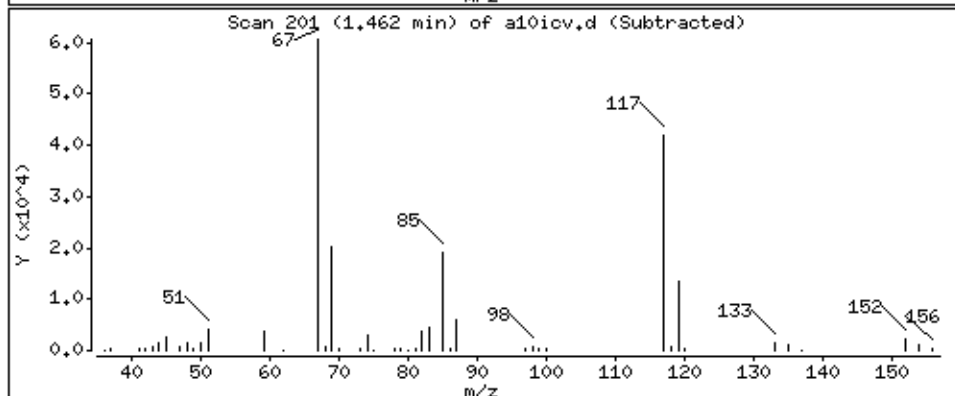
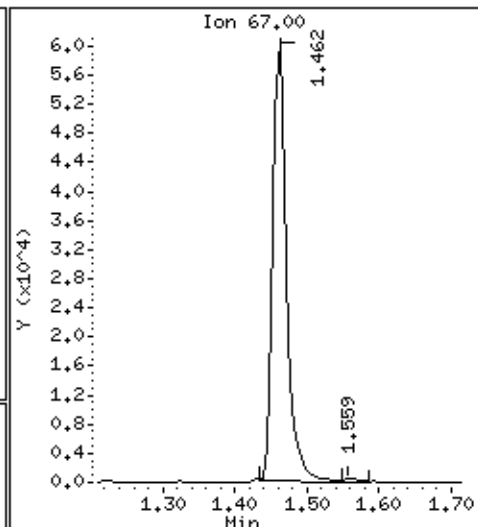
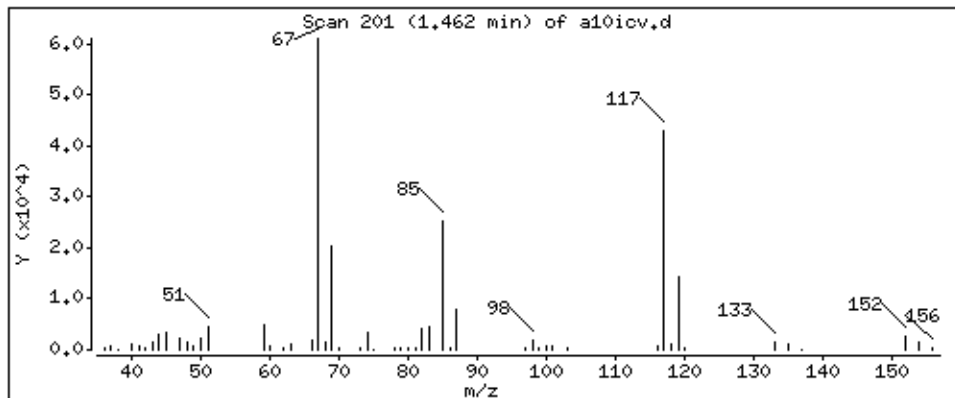
Operator: ala

Column phase: DB-624

Column diameter: 0.18

7 1,2-dichlorotrifluoroethane

Concentration: 47.0 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

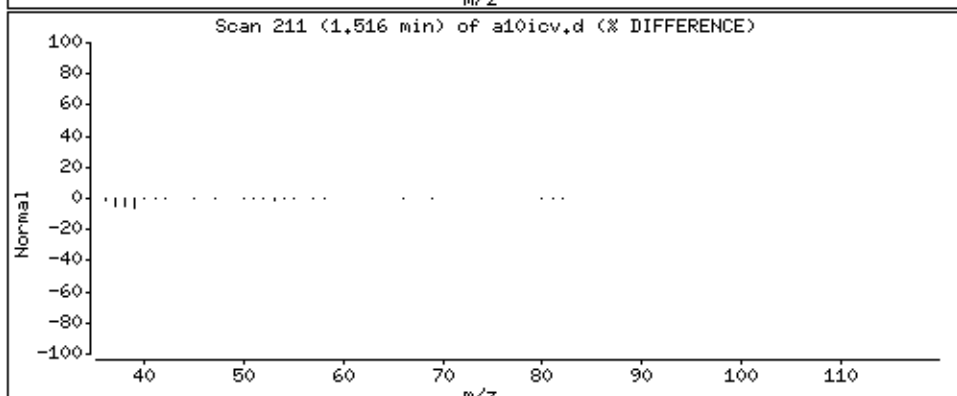
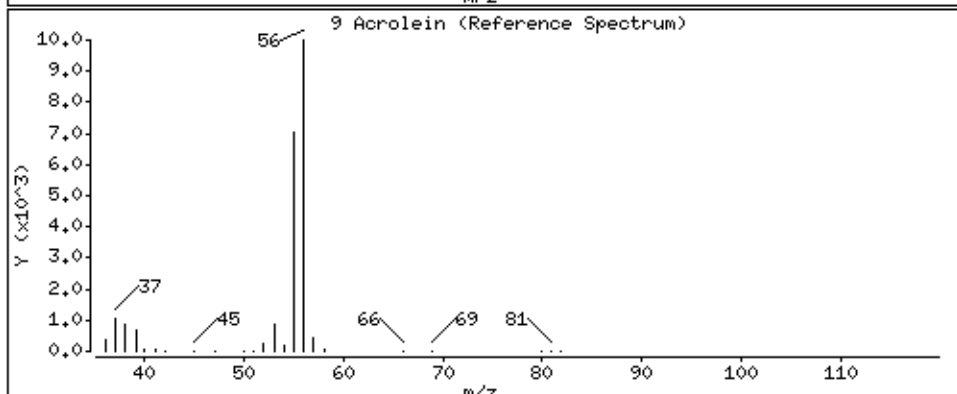
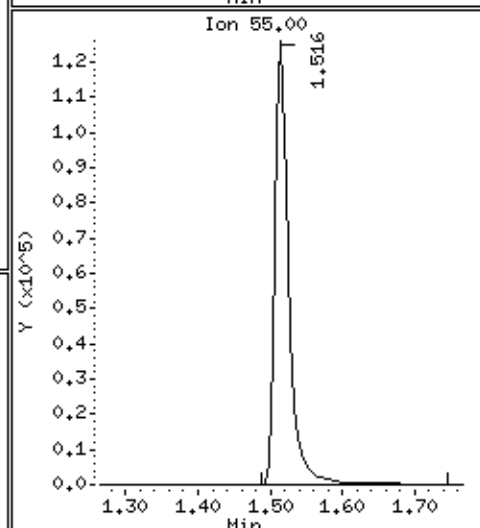
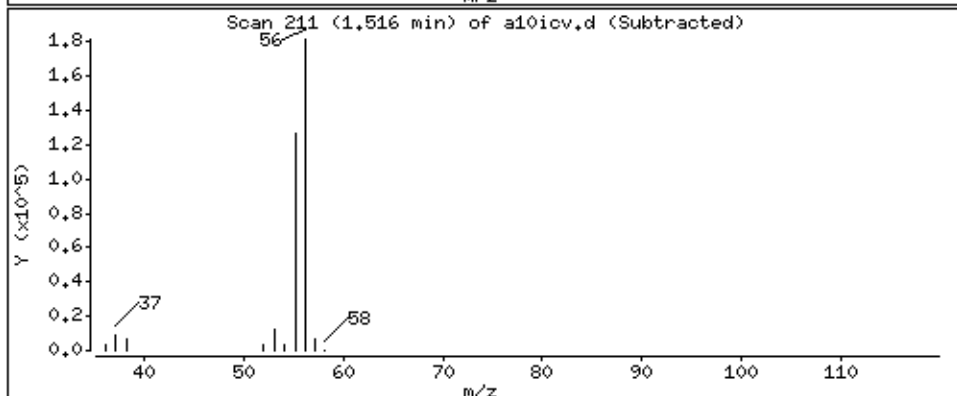
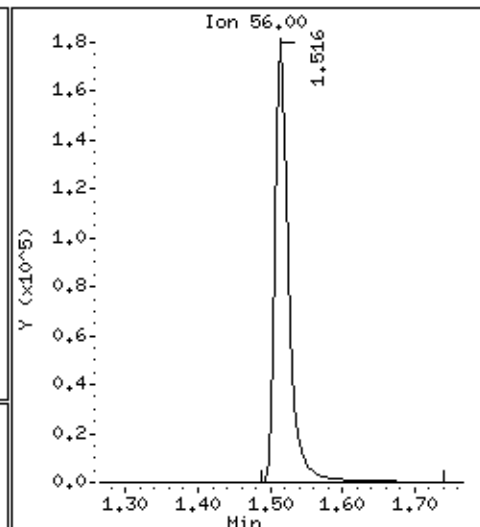
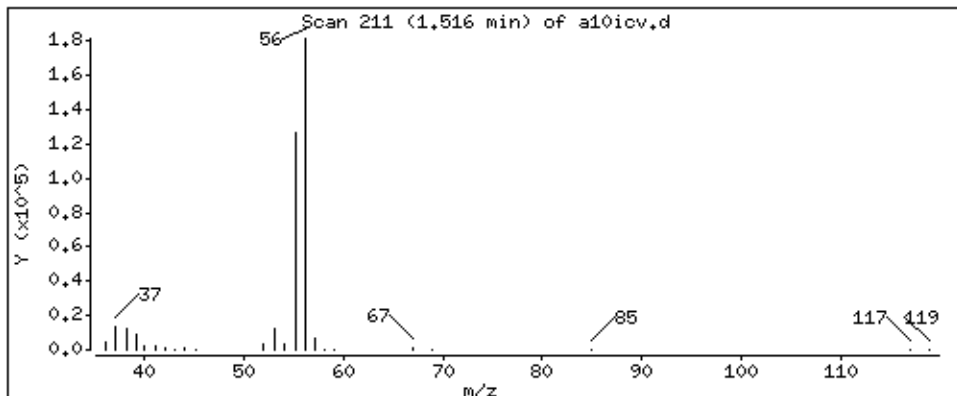
Operator: ala

Column phase: DB-624

Column diameter: 0.18

9 Acrolein

Concentration: 1200 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

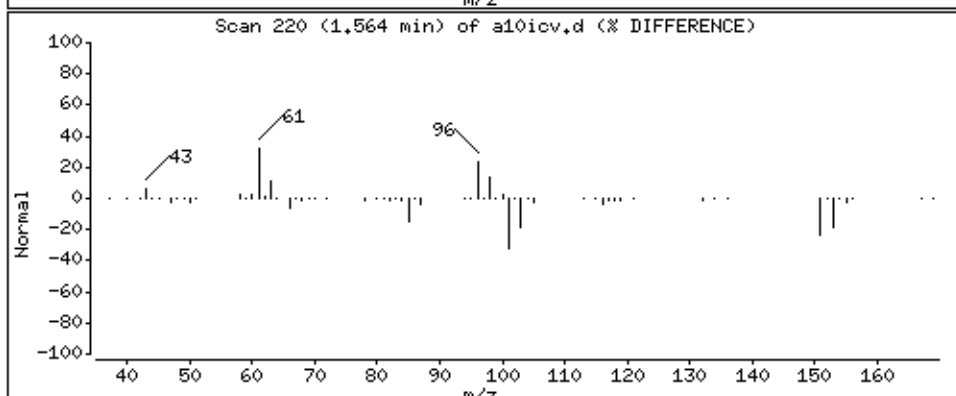
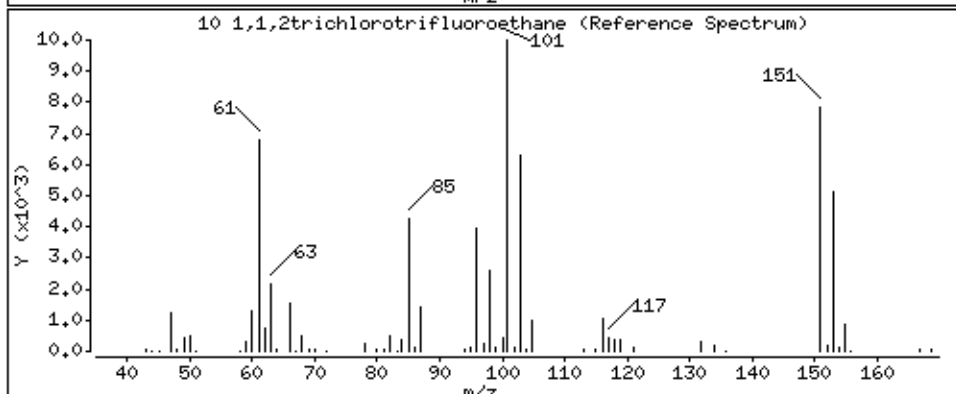
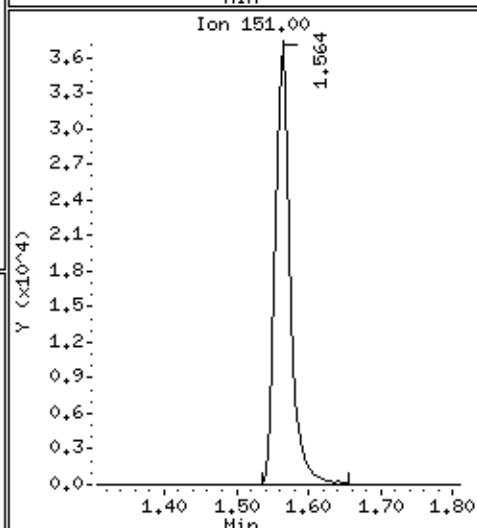
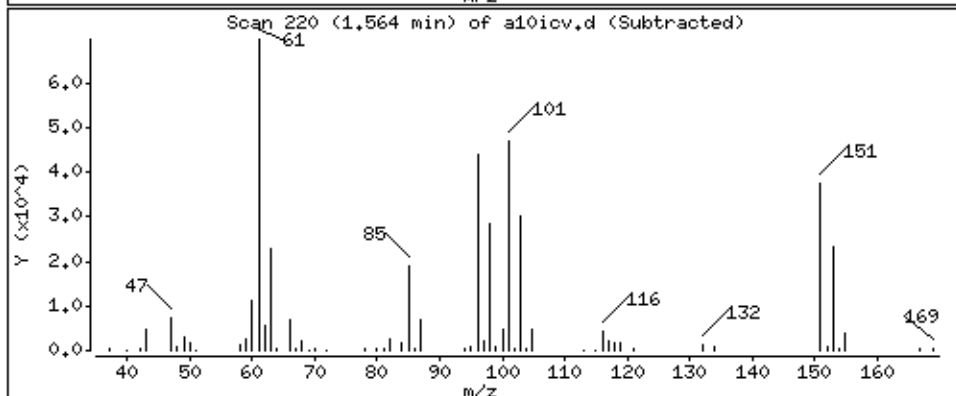
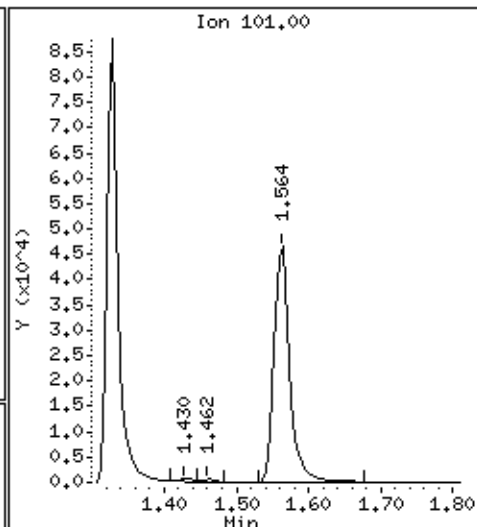
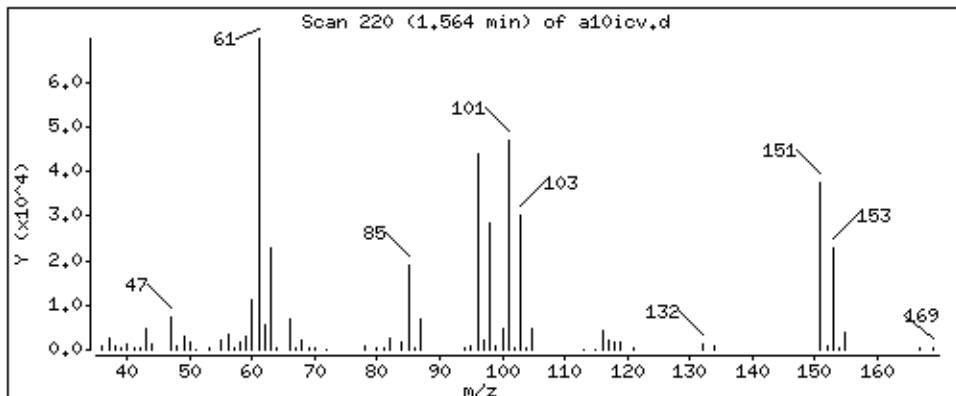
Operator: ala

Column phase: DB-624

Column diameter: 0,18

10 1,1,2trichlorotrifluoroethane

Concentration: 55,3 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

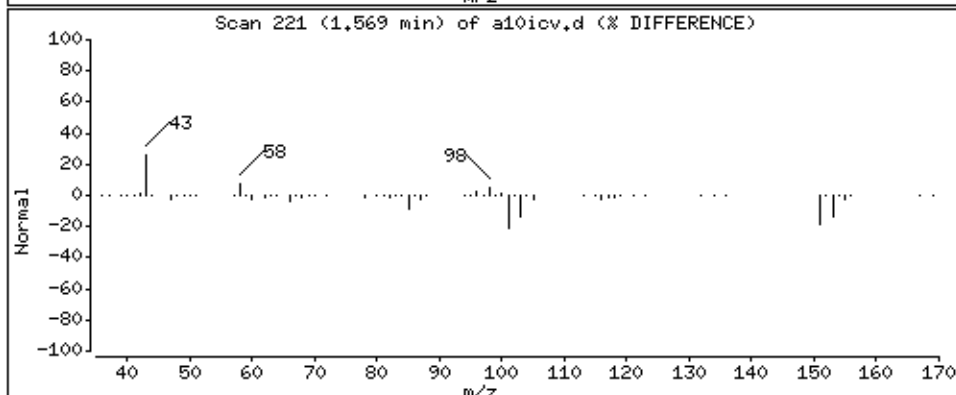
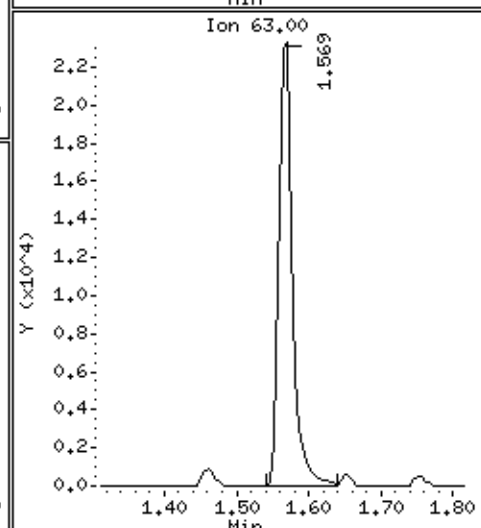
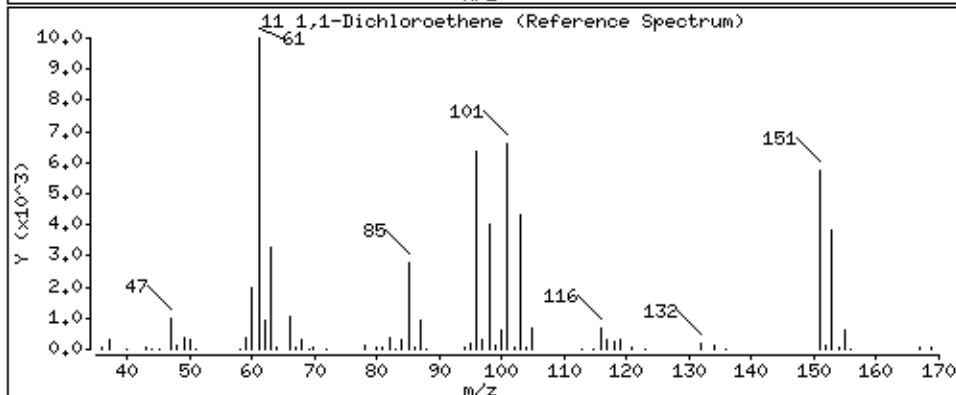
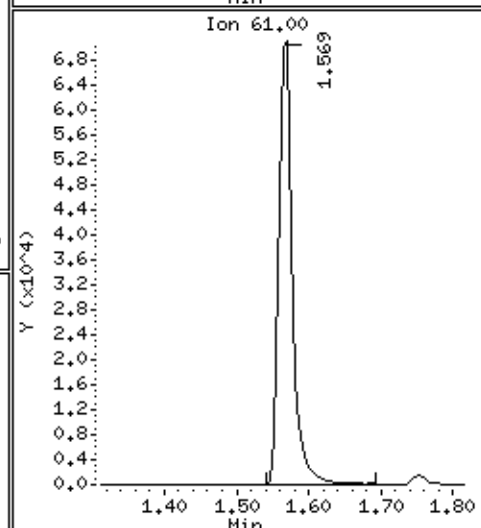
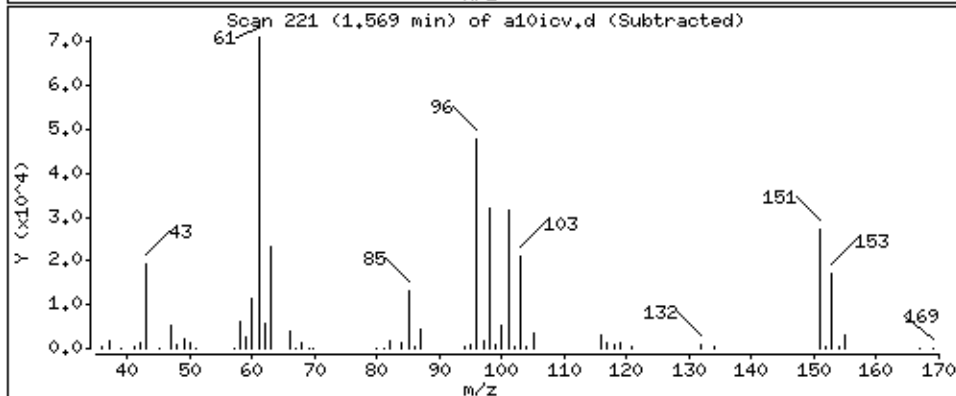
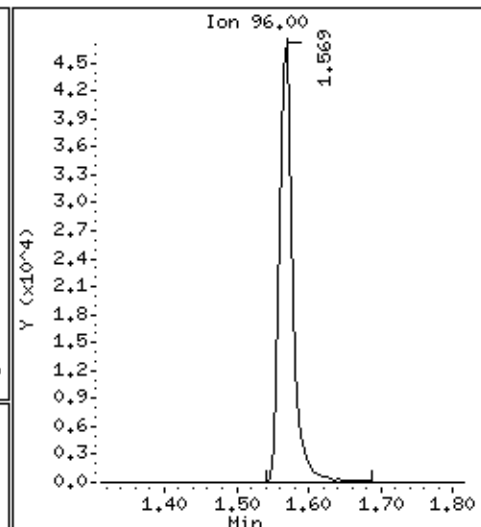
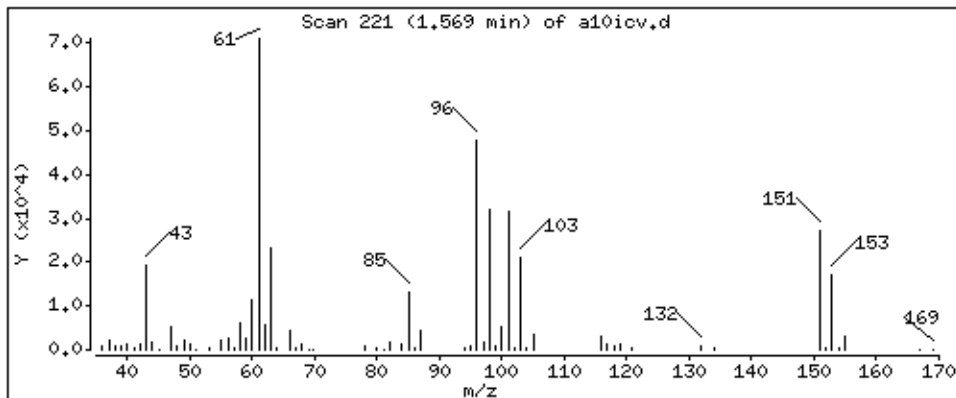
Operator: ala

Column phase: DB-624

Column diameter: 0.18

11 1,1-Dichloroethene

Concentration: 49.8 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855;0

Purge Volume: 5.0

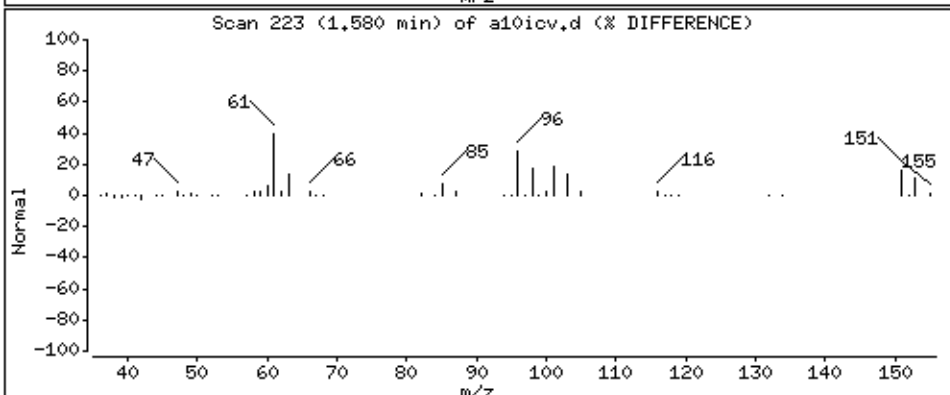
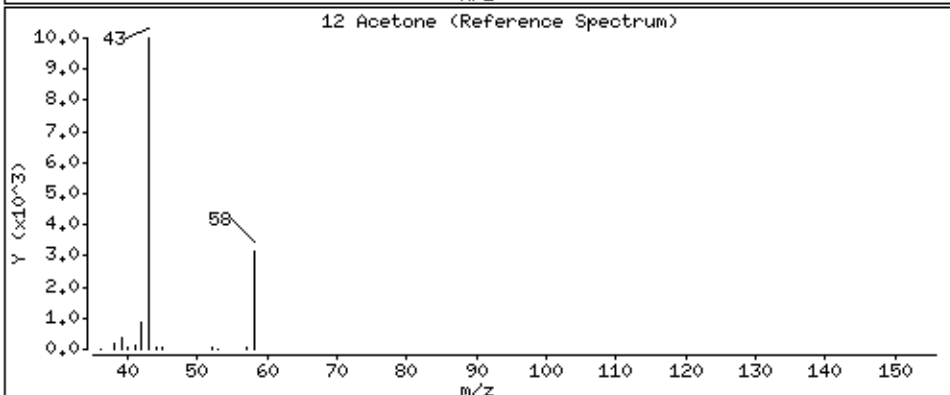
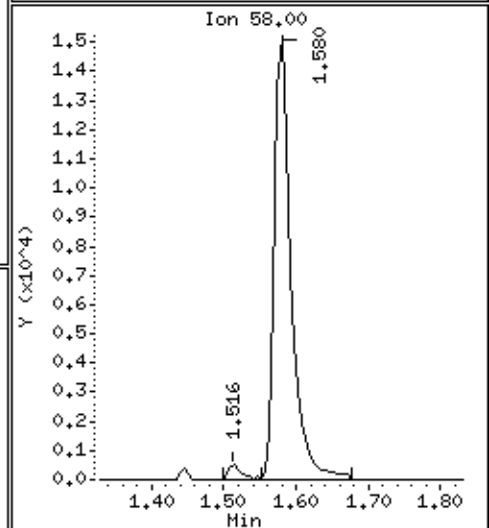
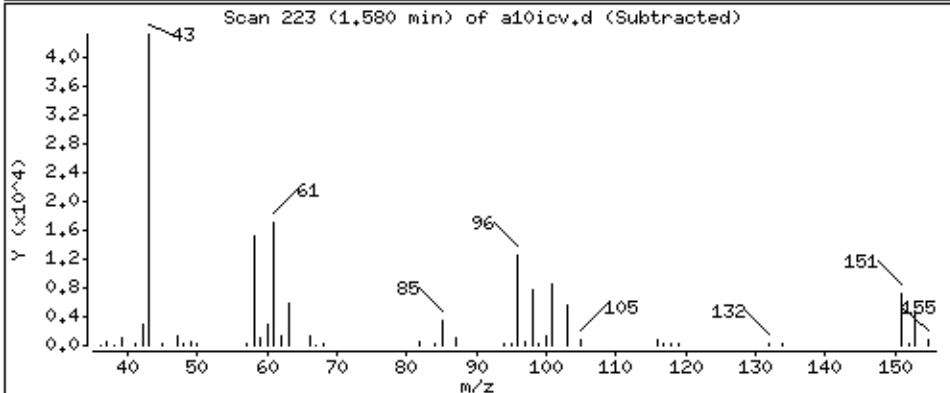
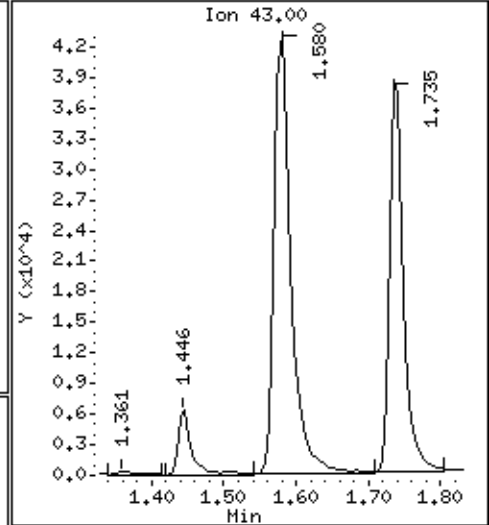
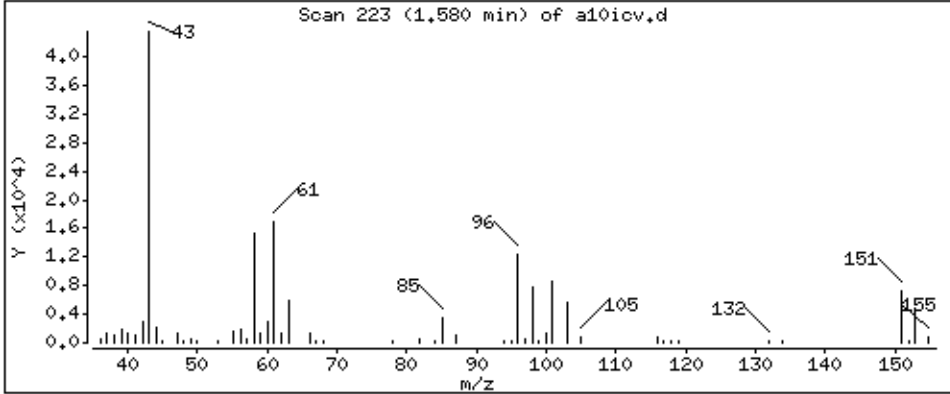
Operator: ala

Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 227 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

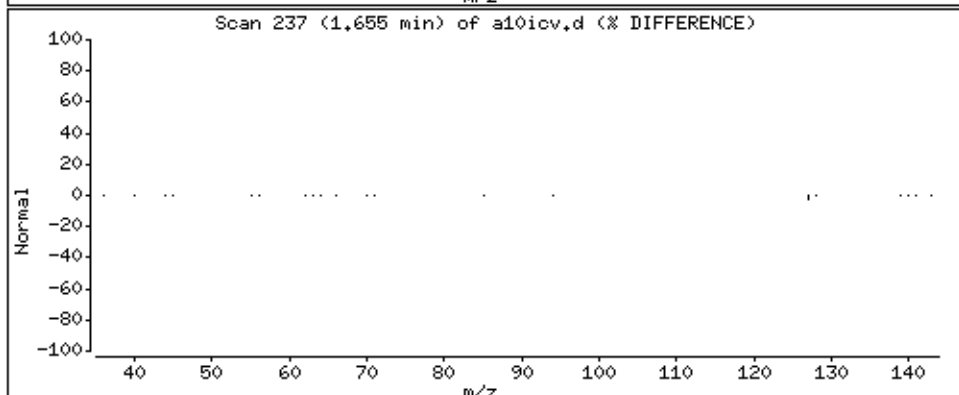
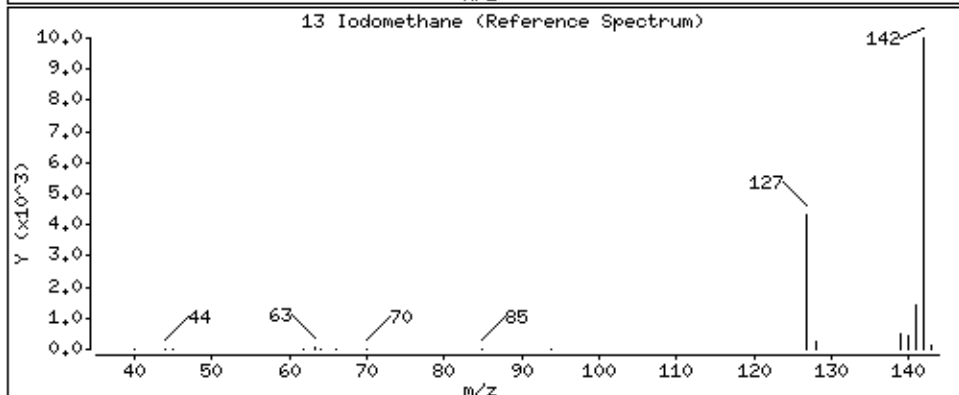
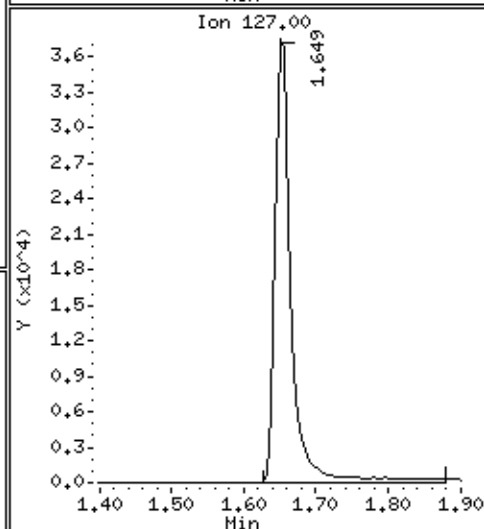
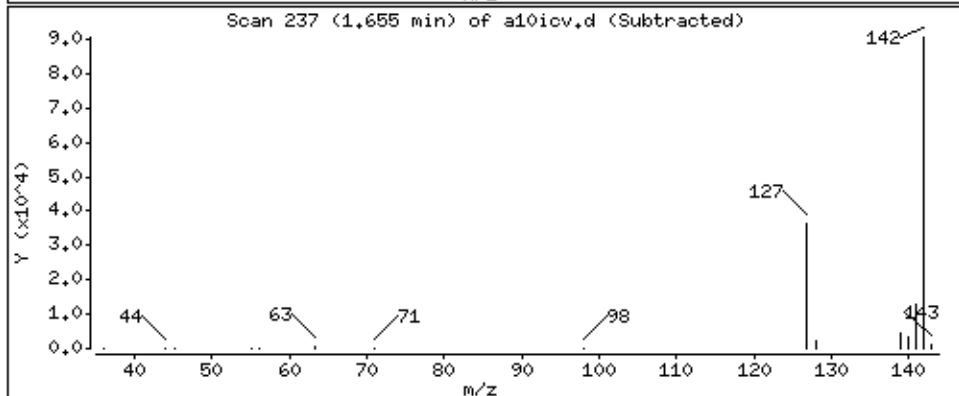
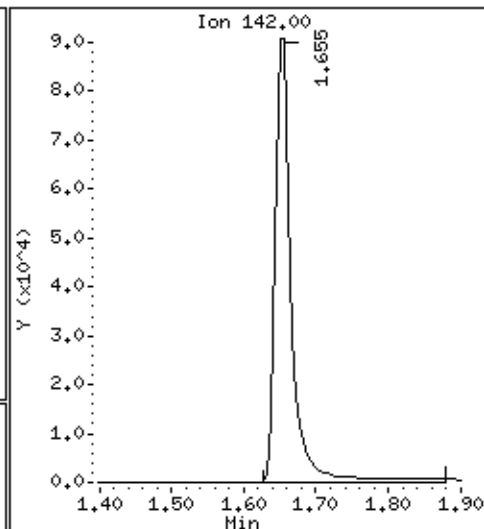
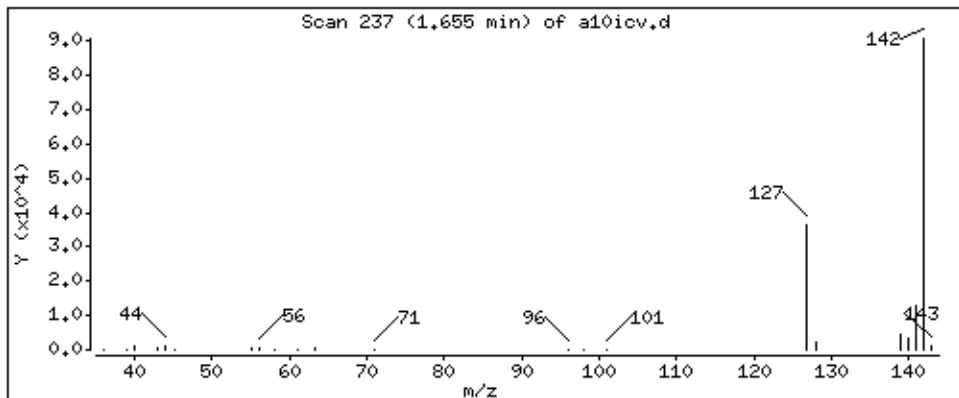
Operator: ala

Column phase: DB-624

Column diameter: 0,18

13 Iodomethane

Concentration: 98,3 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855;0

Purge Volume: 5.0

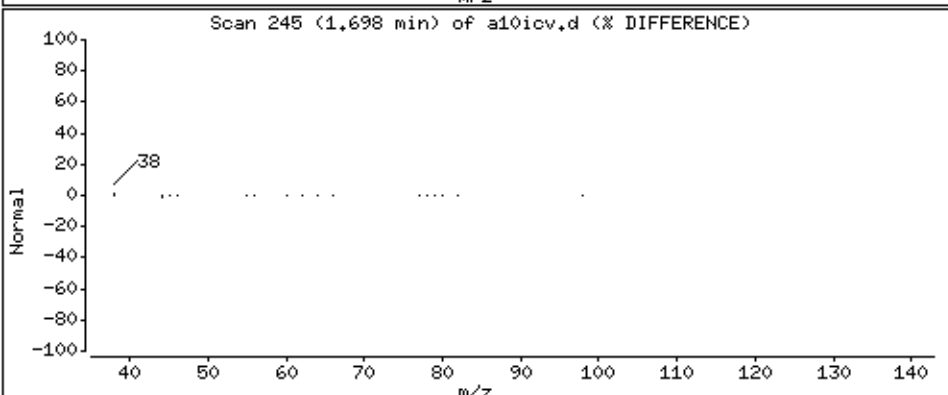
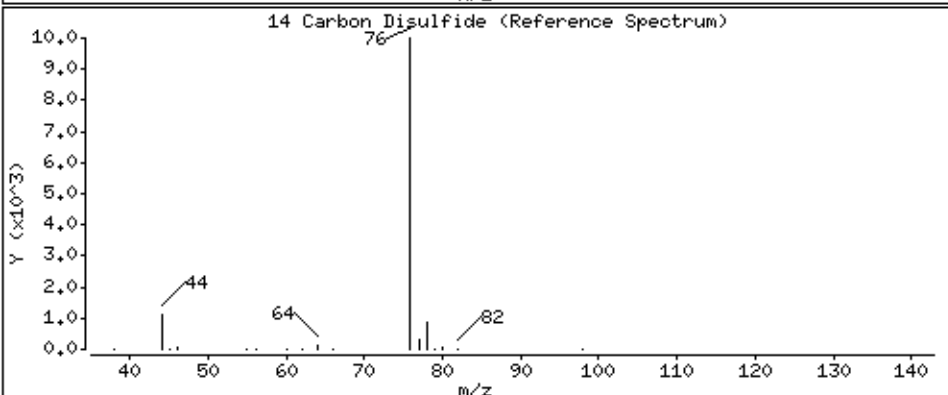
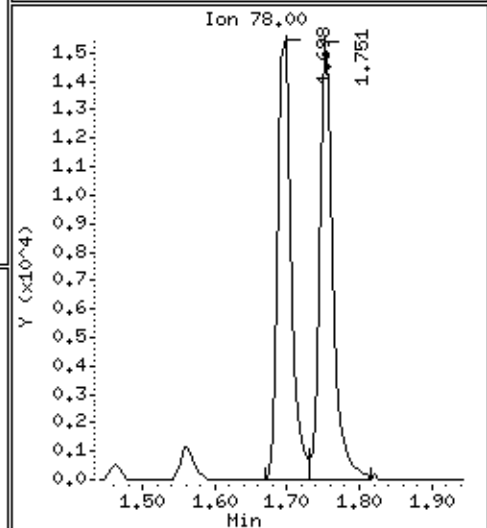
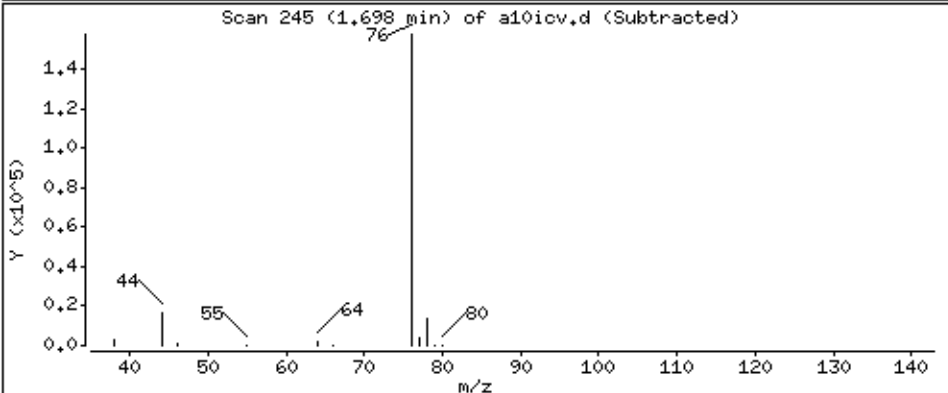
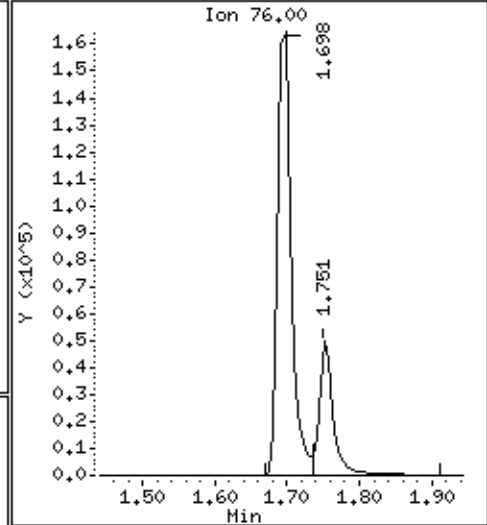
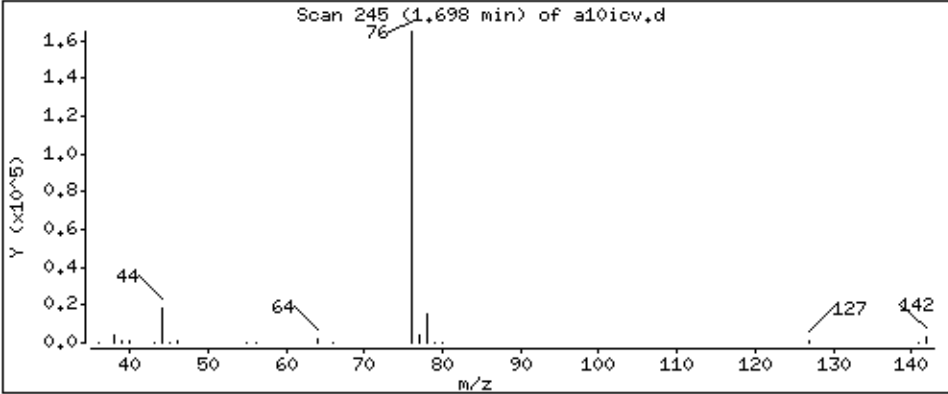
Operator: ala

Column phase: DB-624

Column diameter: 0.18

14 Carbon Disulfide

Concentration: 47.2 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

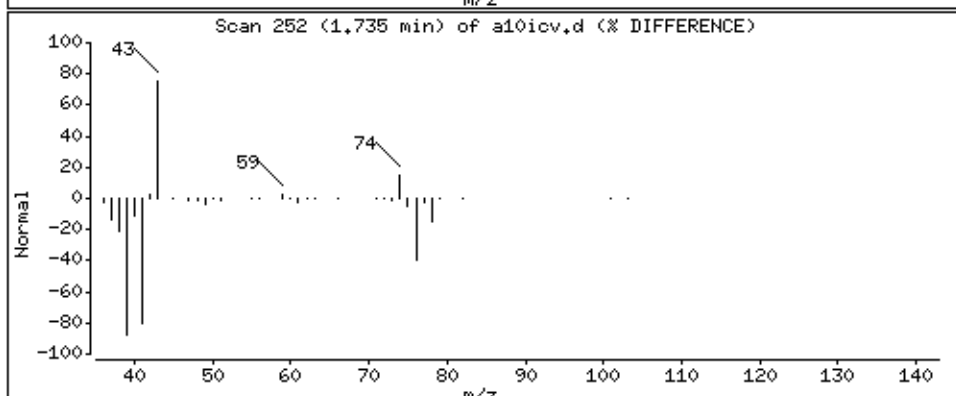
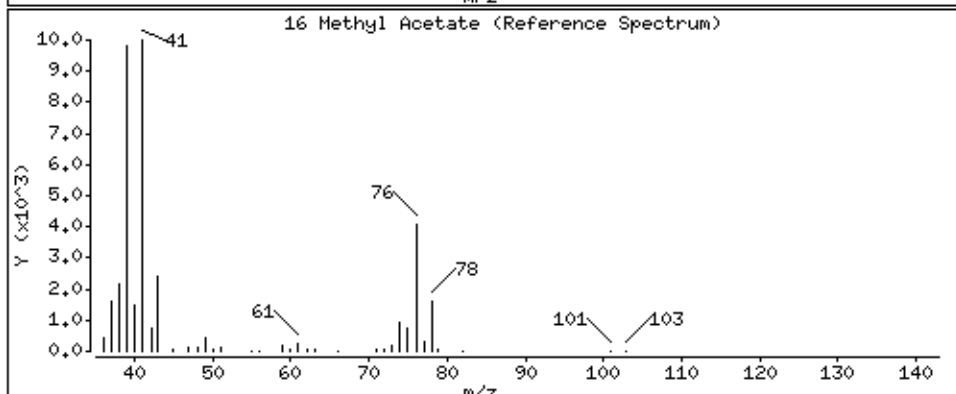
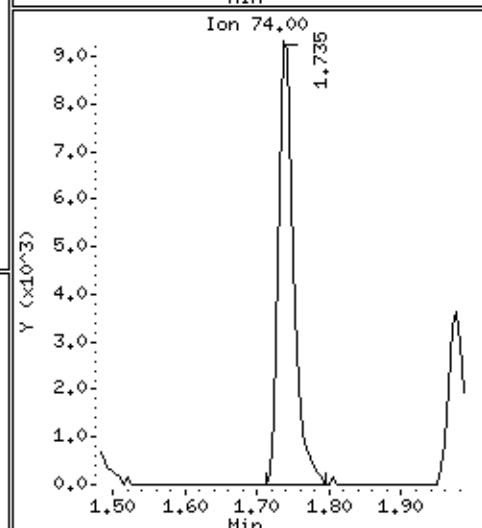
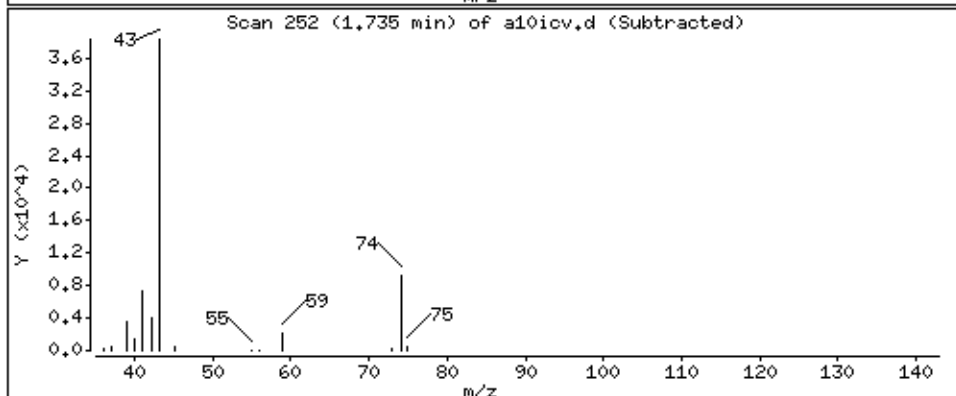
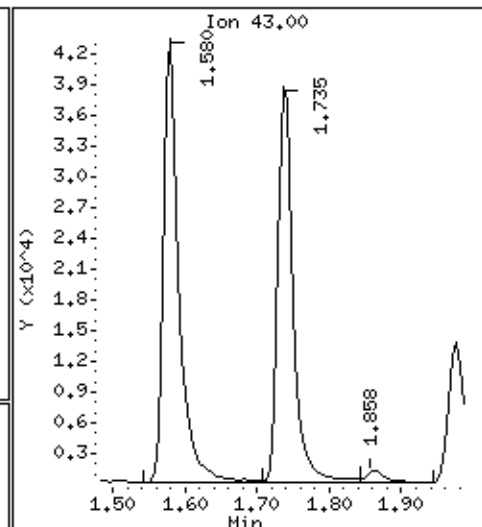
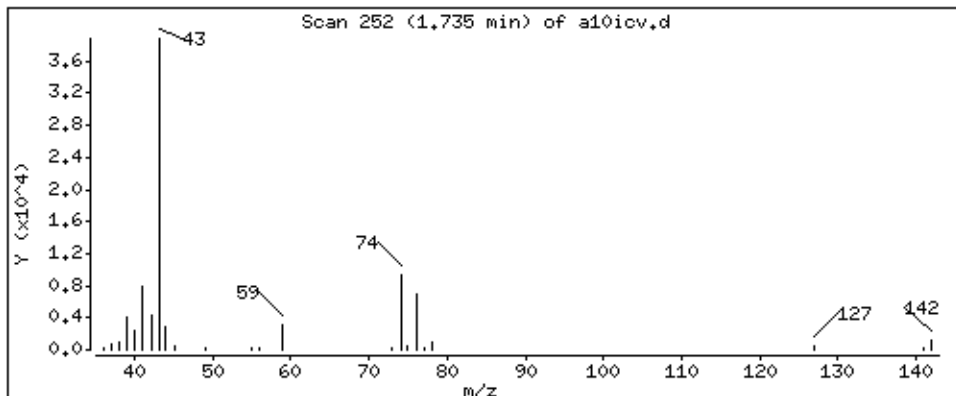
Operator: ala

Column phase: DB-624

Column diameter: 0,18

16 Methyl Acetate

Concentration: 73,7 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

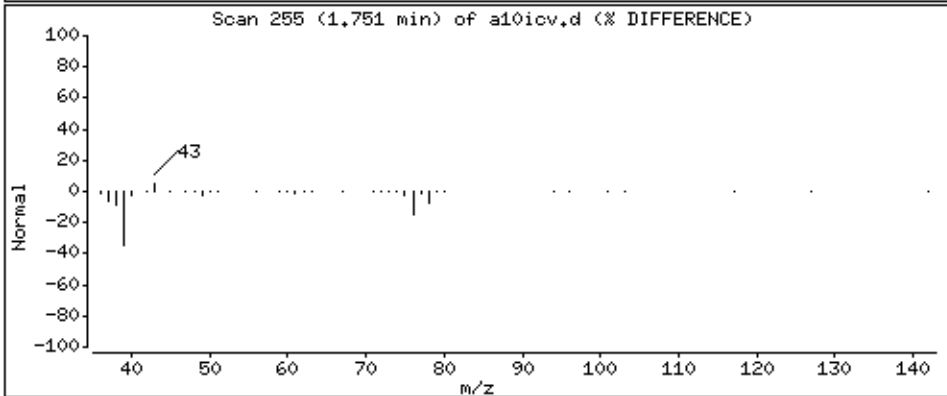
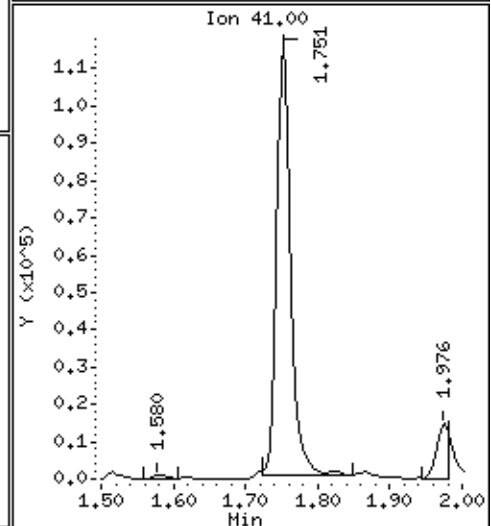
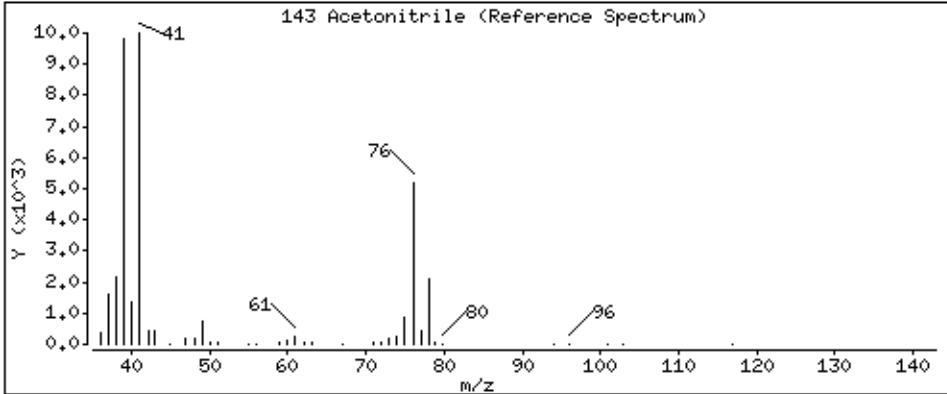
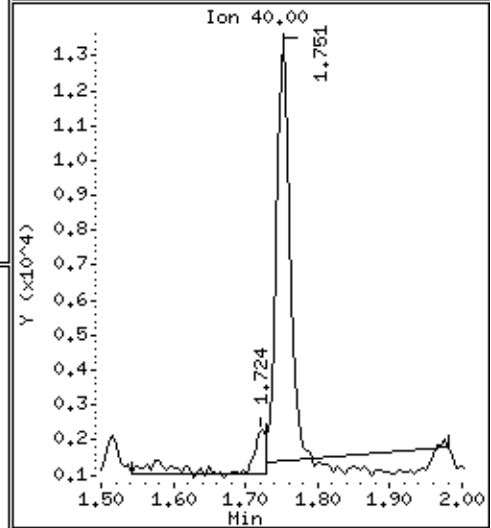
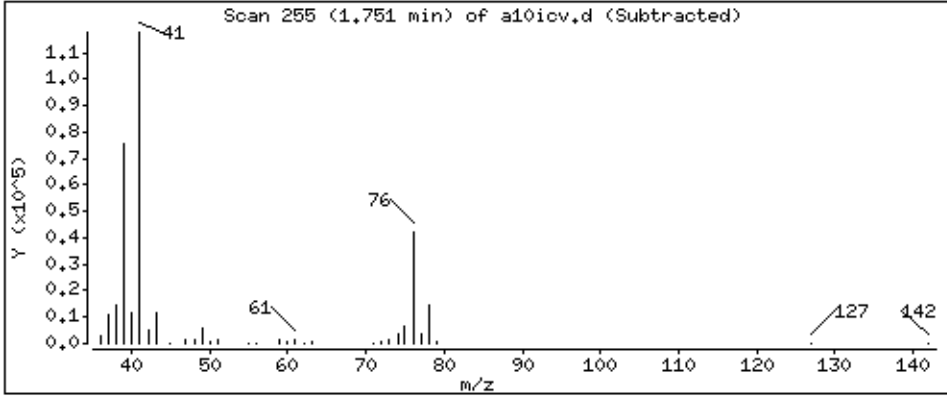
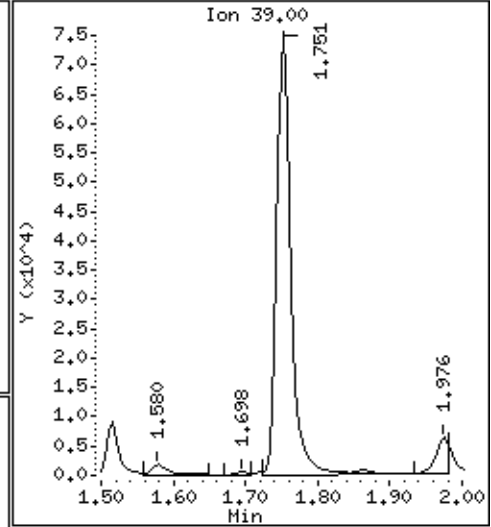
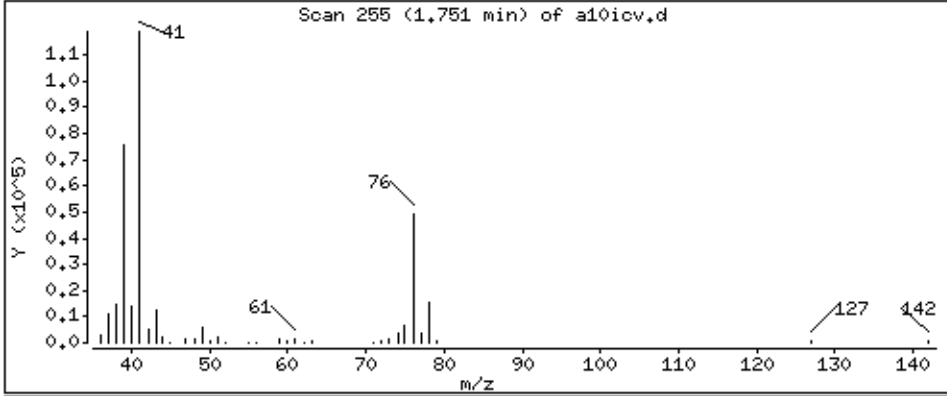
Operator: ala

Column phase: DB-624

Column diameter: 0.18

143 Acetonitrile

Concentration: 40.0 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

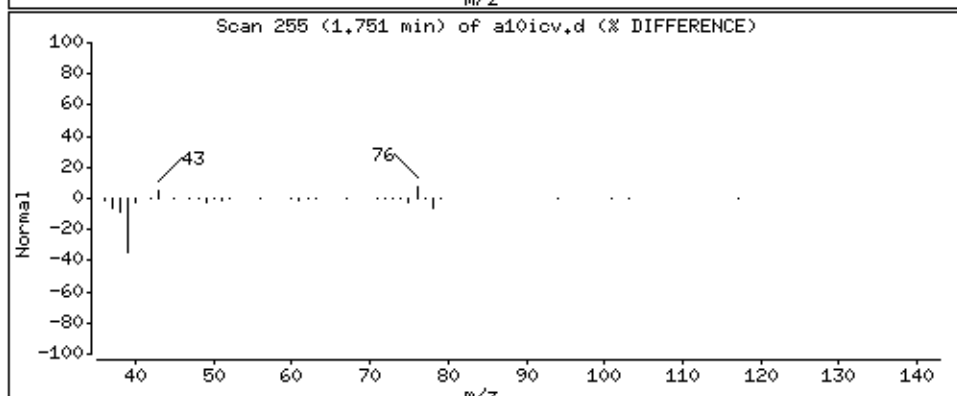
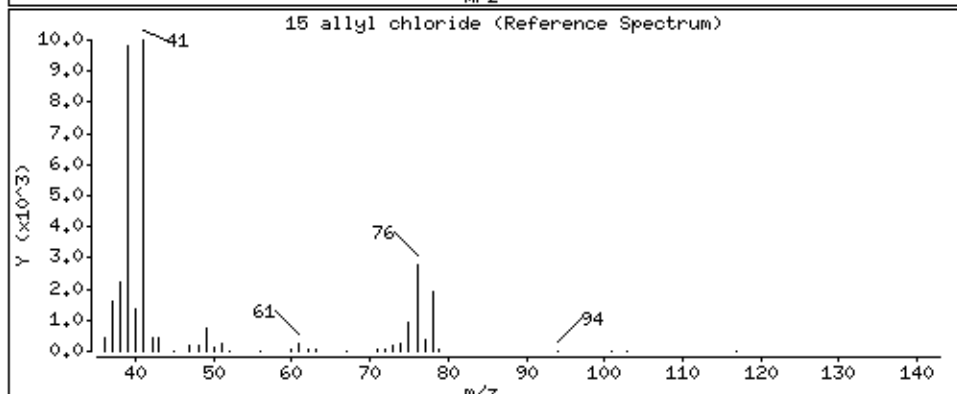
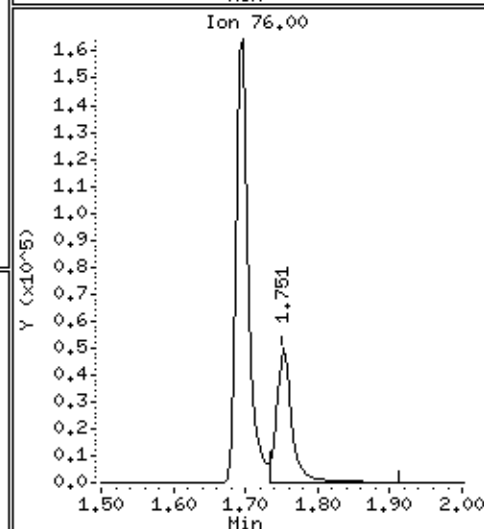
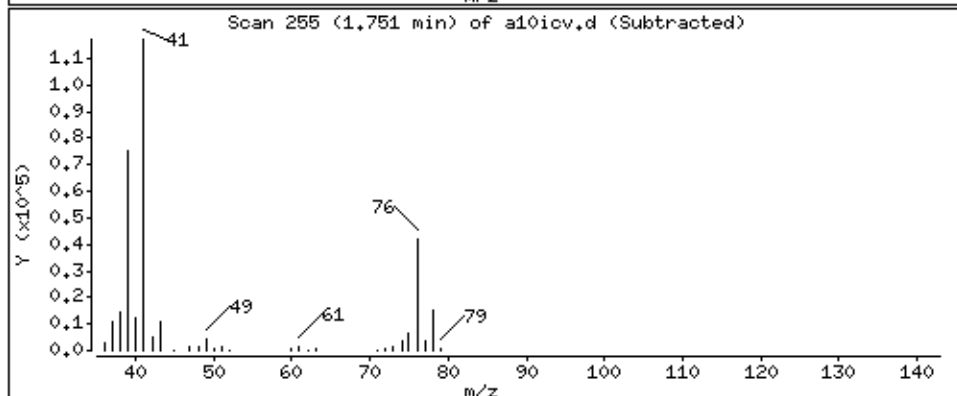
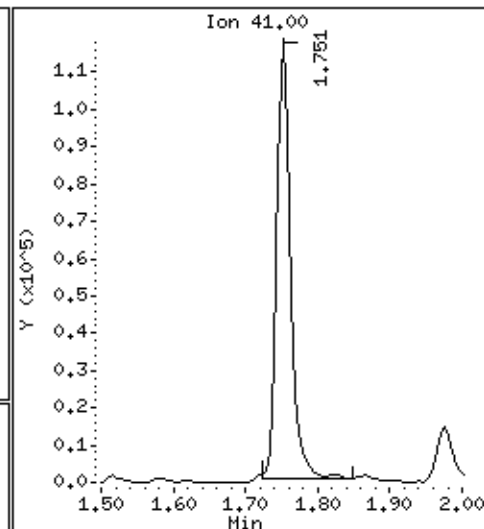
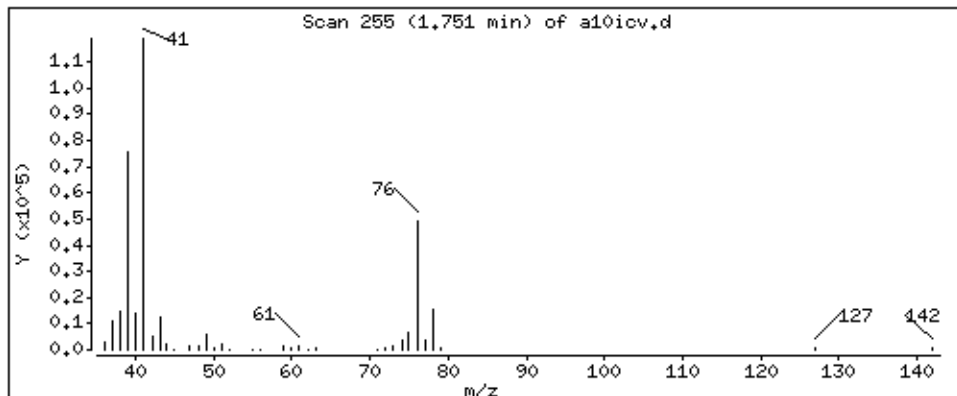
Operator: ala

Column phase: DB-624

Column diameter: 0,18

15 allyl chloride

Concentration: 82.2 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

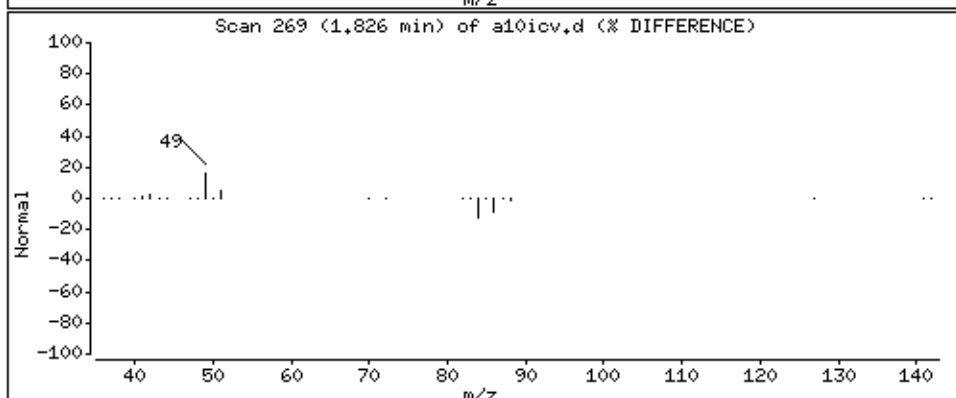
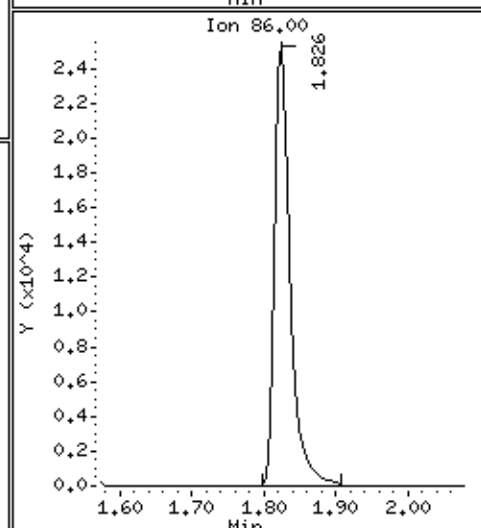
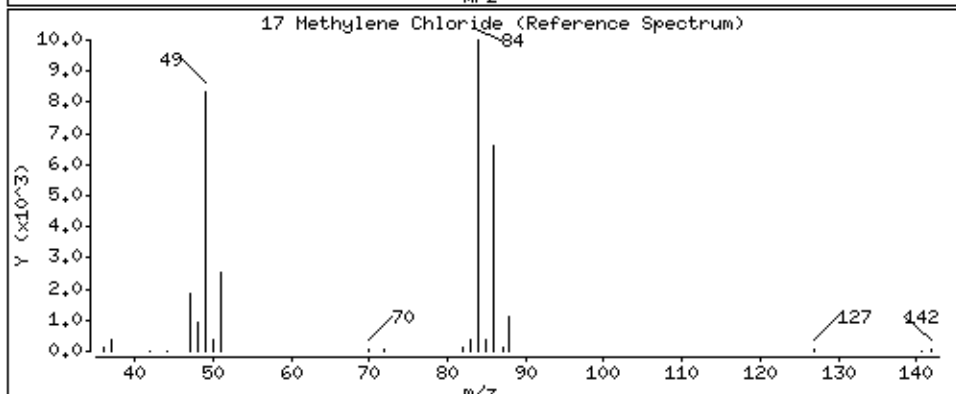
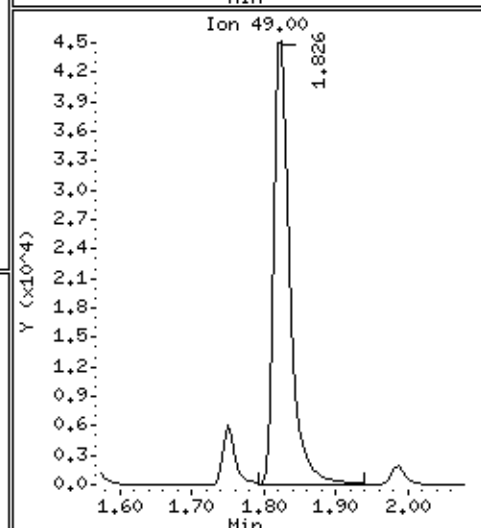
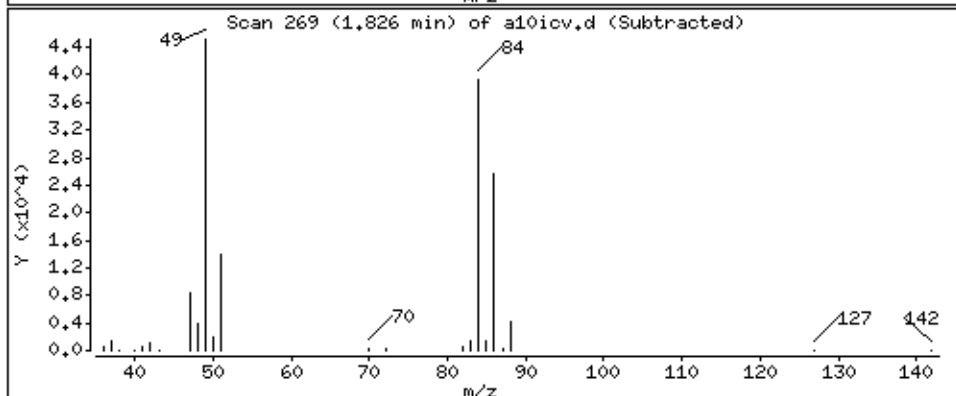
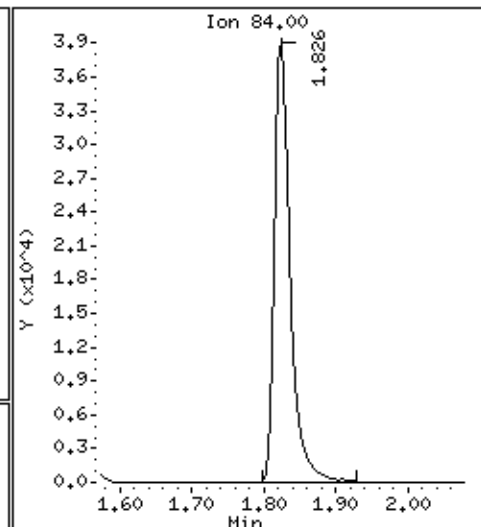
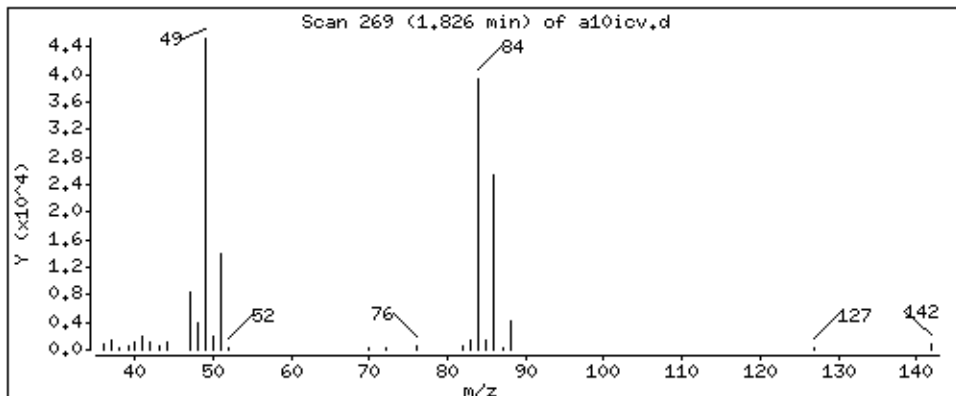
Operator: ala

Column phase: DB-624

Column diameter: 0,18

17 Methylene Chloride

Concentration: 46,9 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

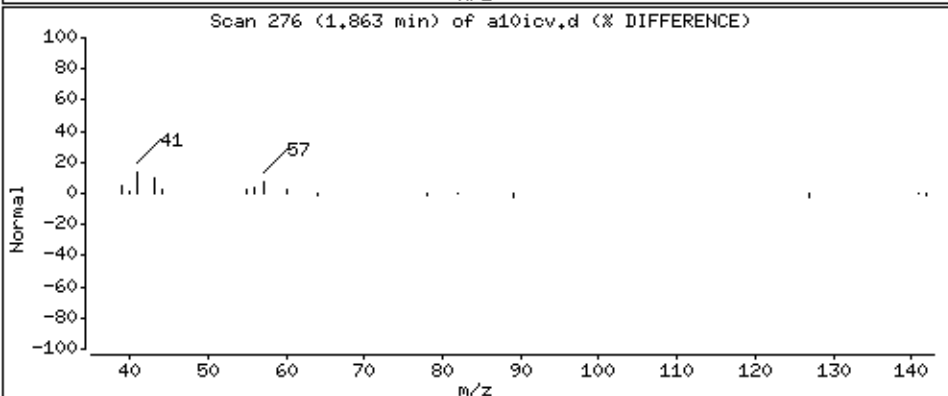
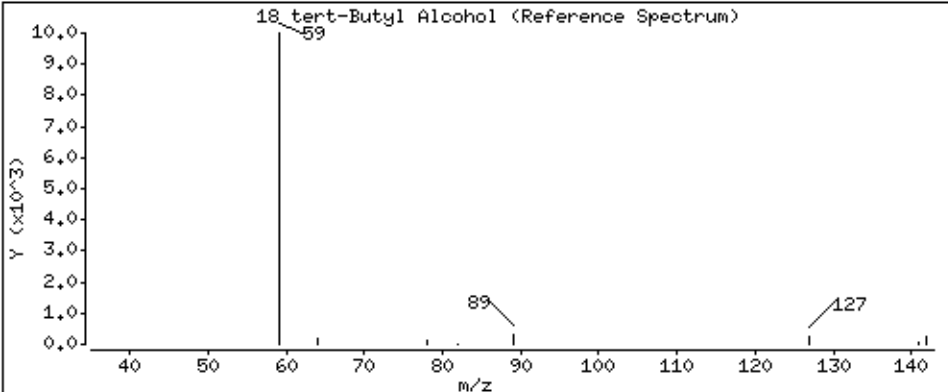
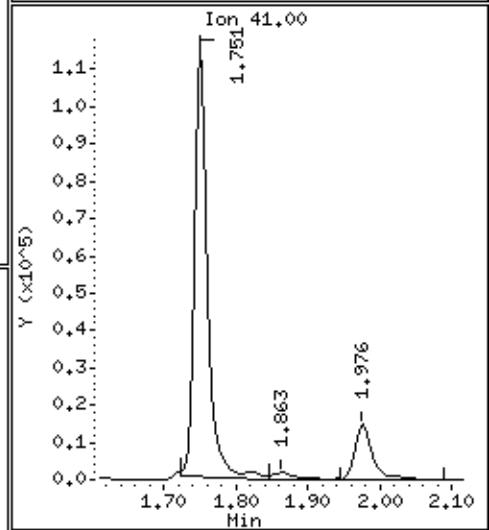
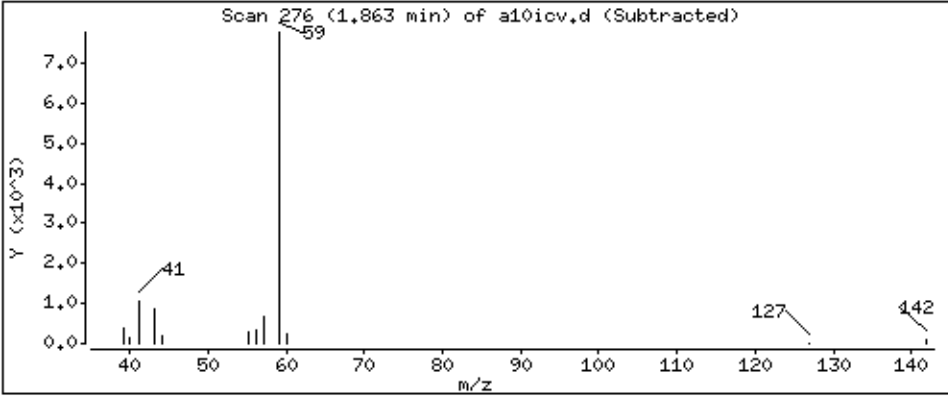
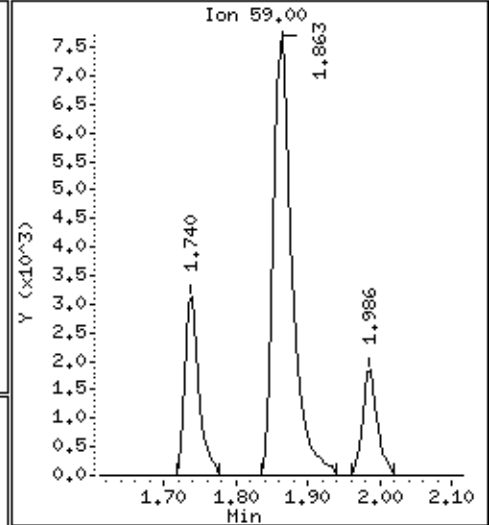
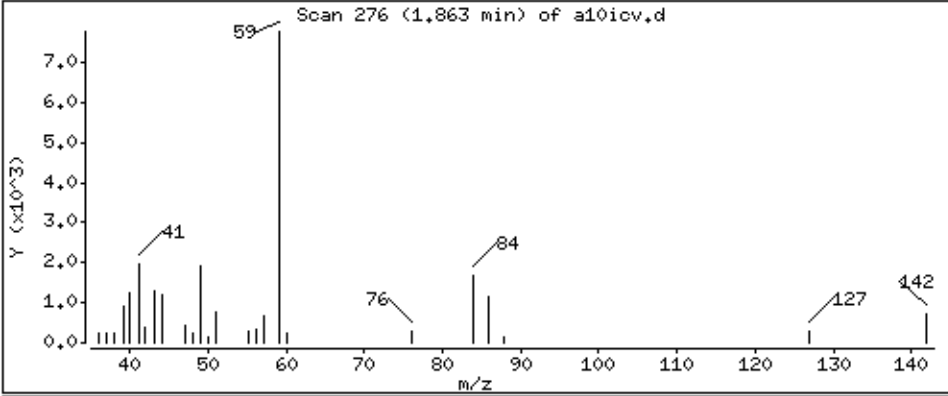
Operator: ala

Column phase: DB-624

Column diameter: 0.18

18 tert-Butyl Alcohol

Concentration: 96.2 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855;0

Purge Volume: 5.0

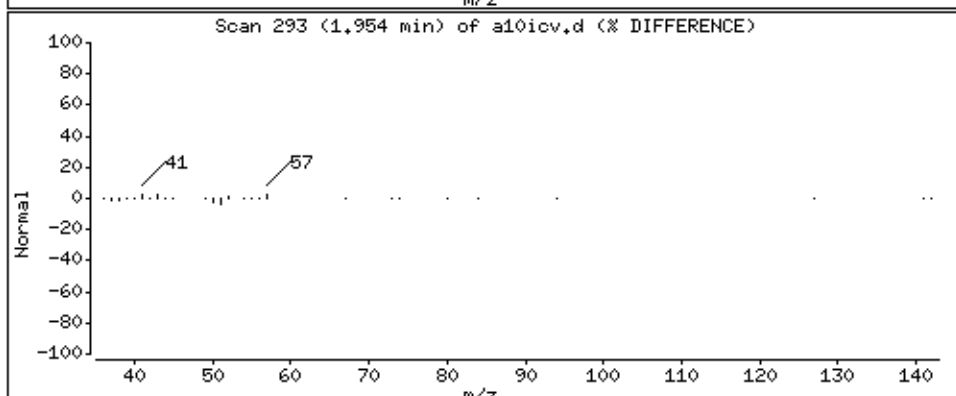
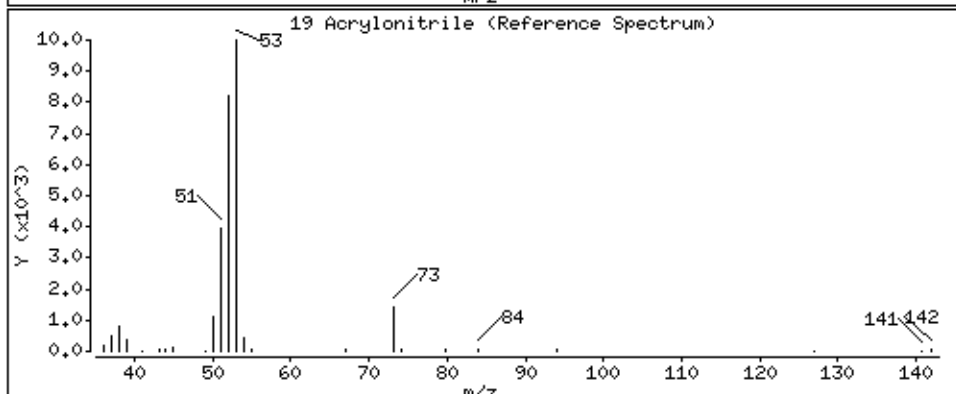
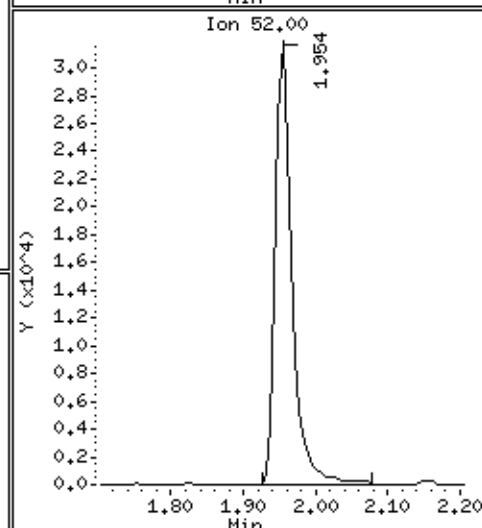
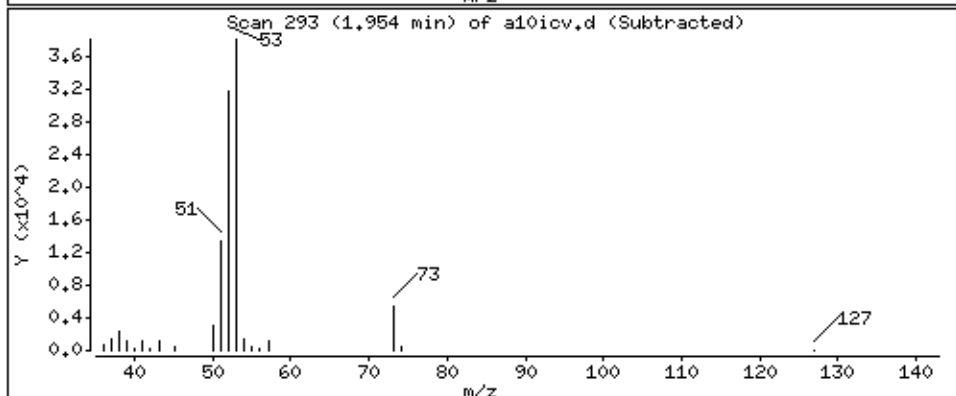
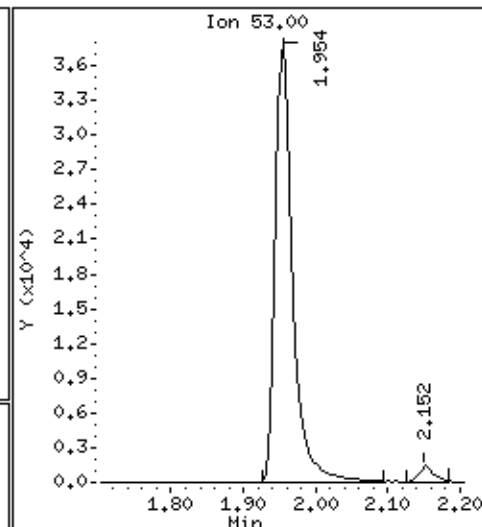
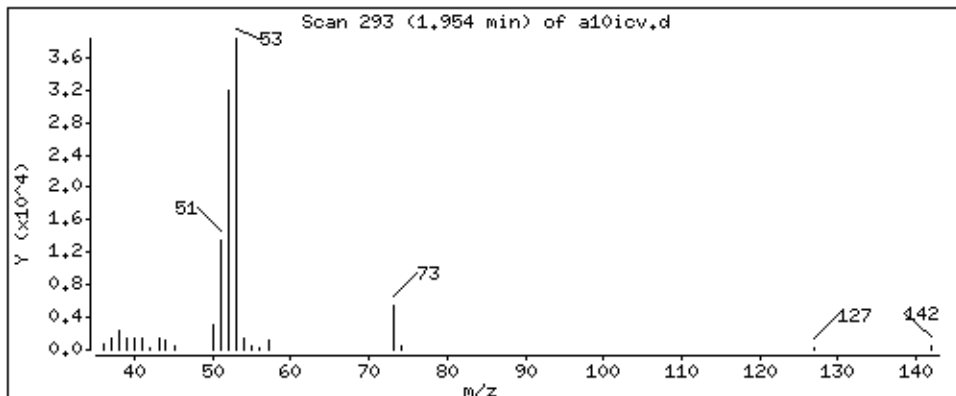
Operator: ala

Column phase: DB-624

Column diameter: 0,18

19 Acrylonitrile

Concentration: 183 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855;0

Purge Volume: 5.0

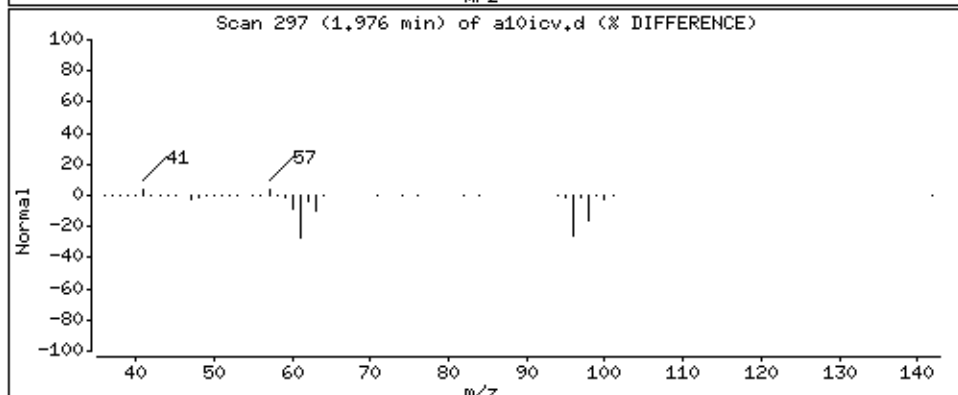
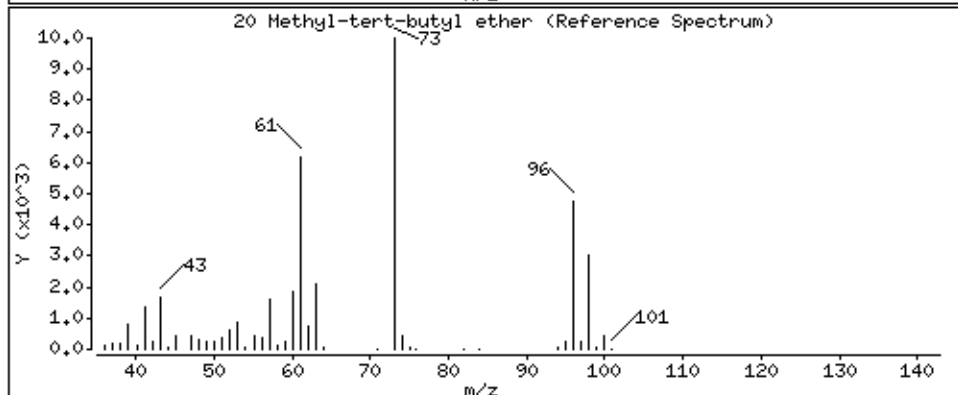
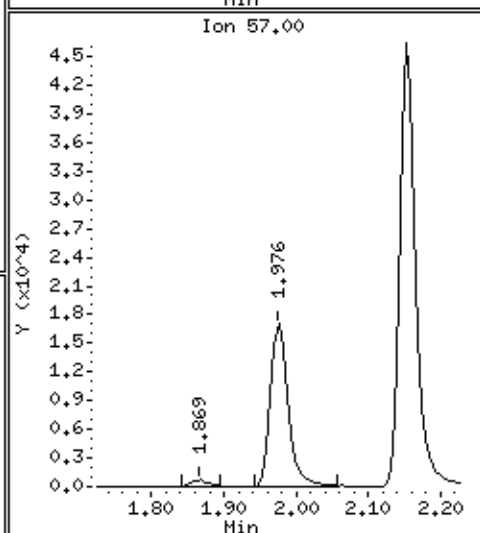
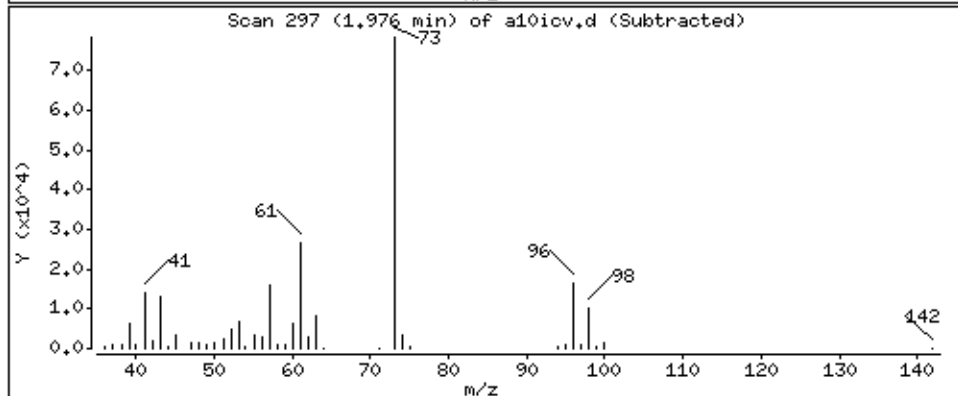
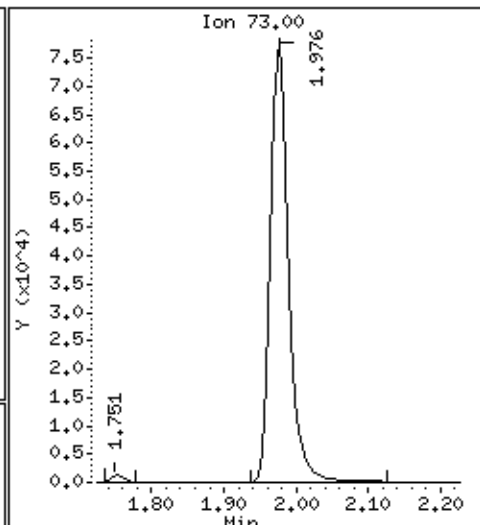
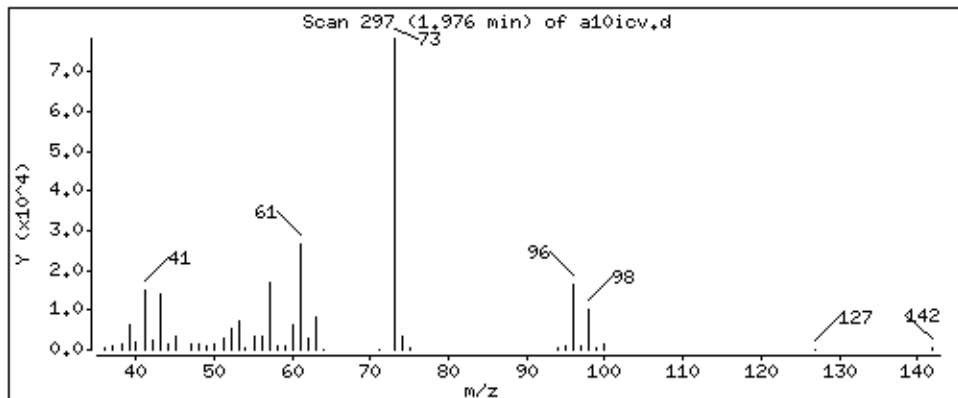
Operator: ala

Column phase: DB-624

Column diameter: 0,18

20 Methyl-tert-butyl ether

Concentration: 51.7 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

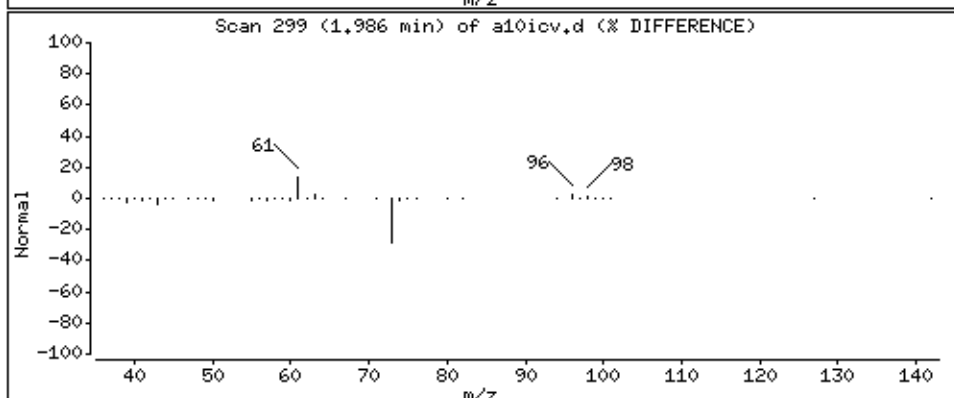
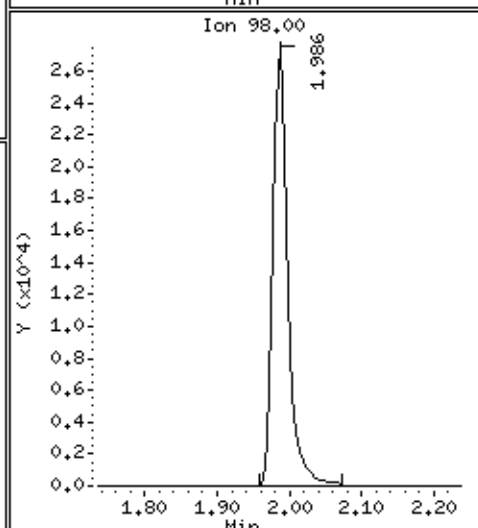
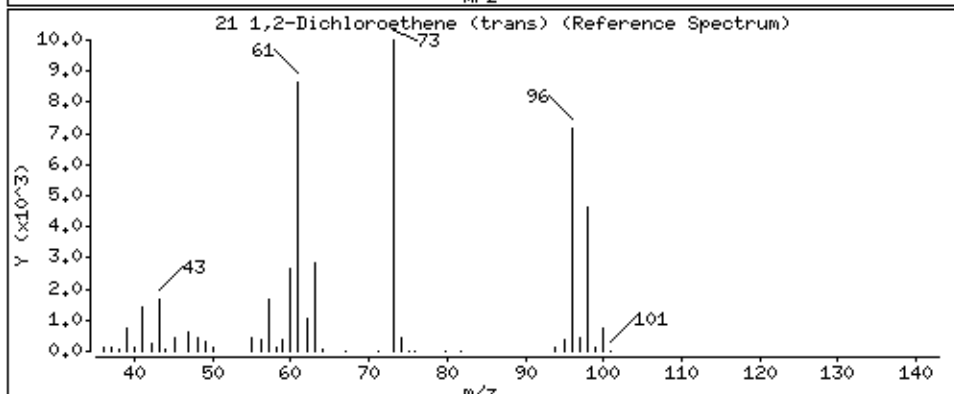
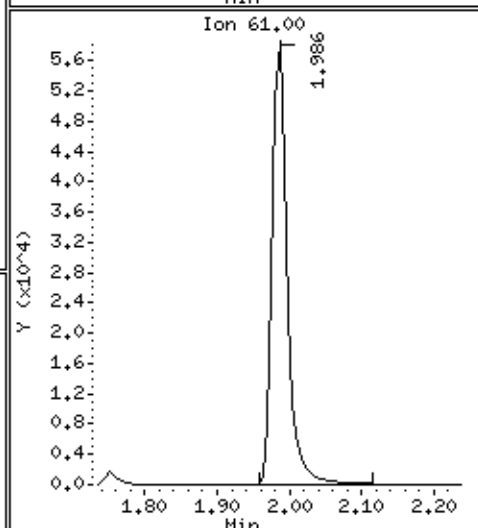
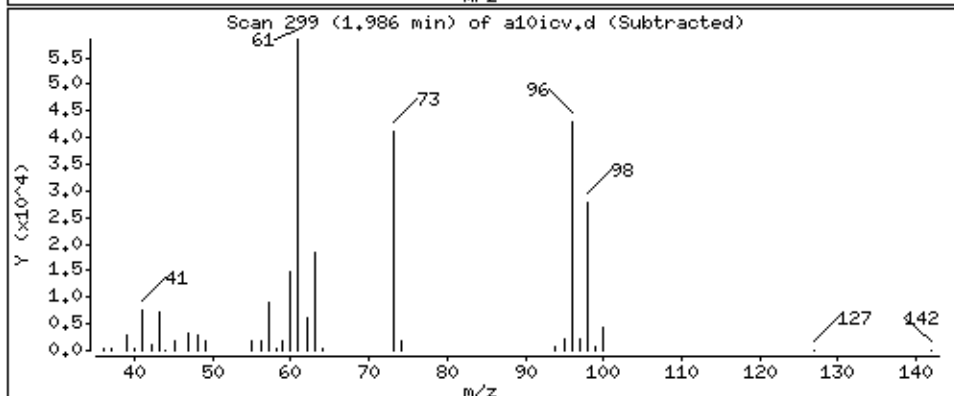
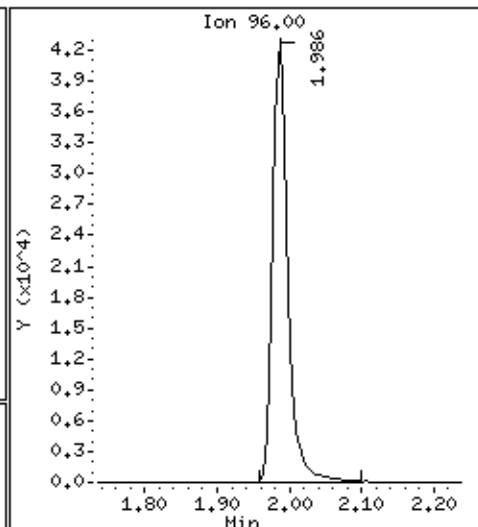
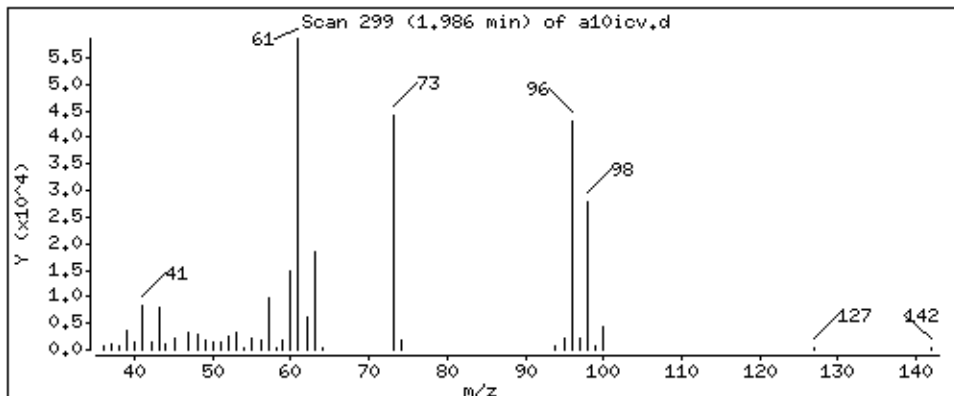
Operator: ala

Column phase: DB-624

Column diameter: 0,18

21 1,2-Dichloroethene (trans)

Concentration: 48,8 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

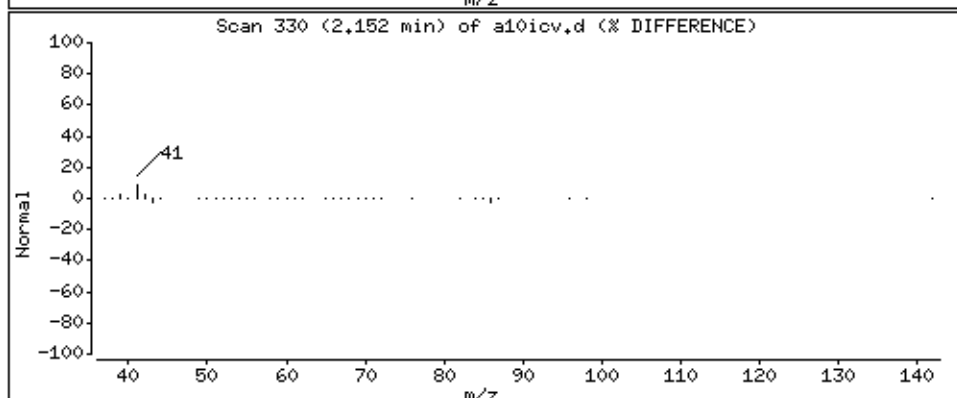
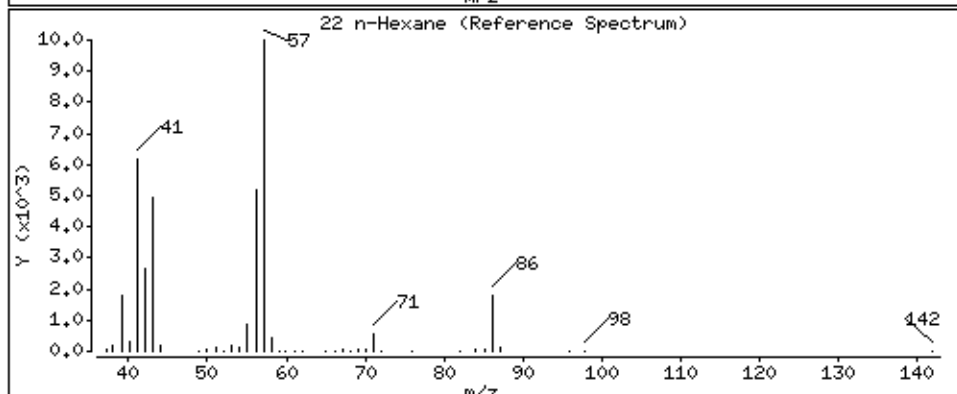
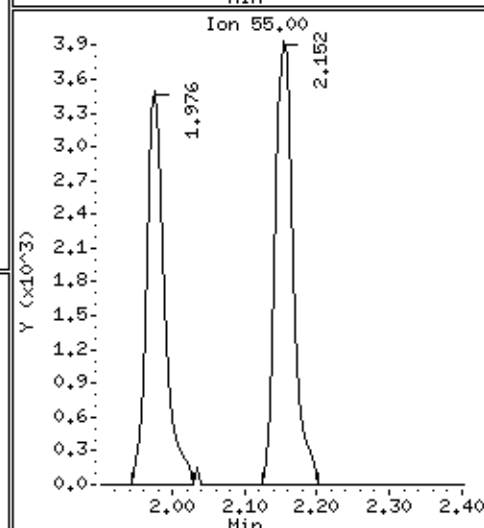
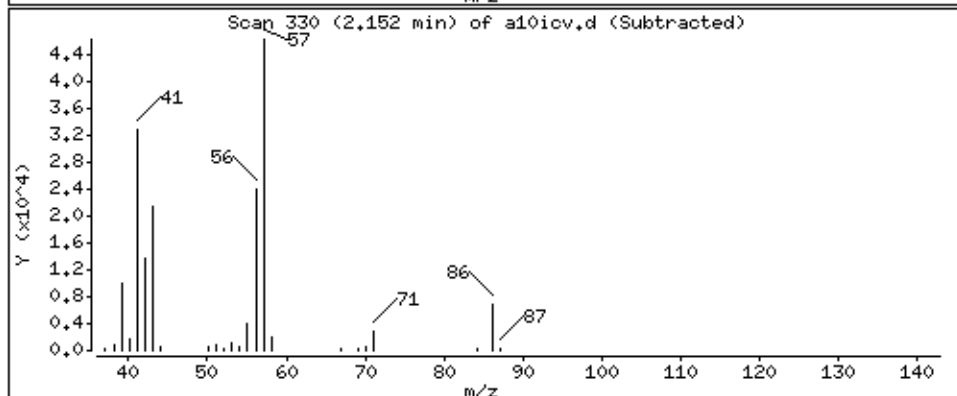
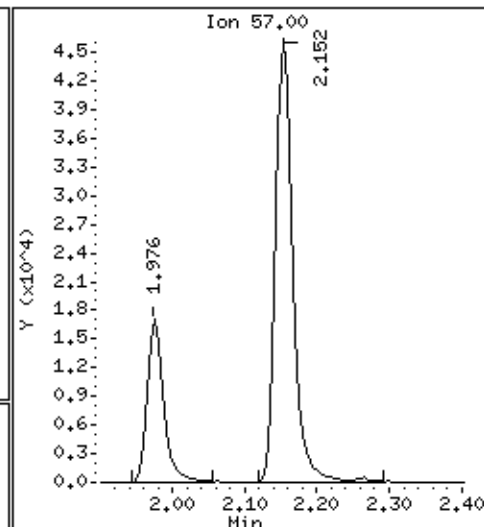
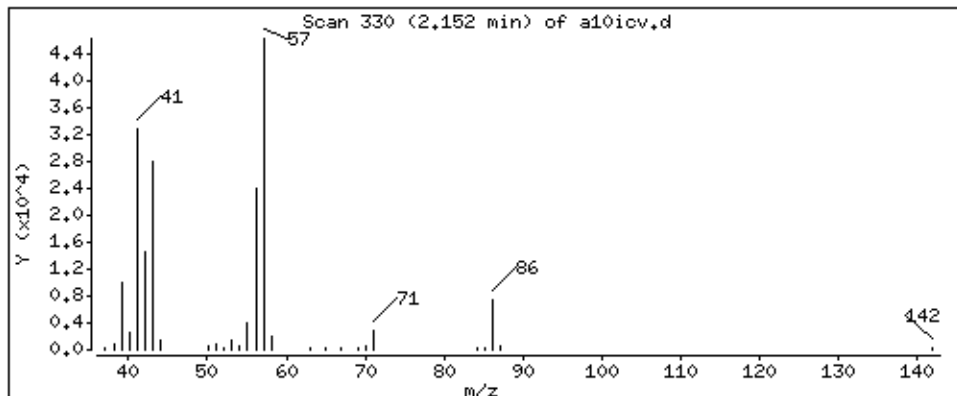
Operator: ala

Column phase: DB-624

Column diameter: 0,18

22 n-Hexane

Concentration: 44,6 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855;0

Purge Volume: 5.0

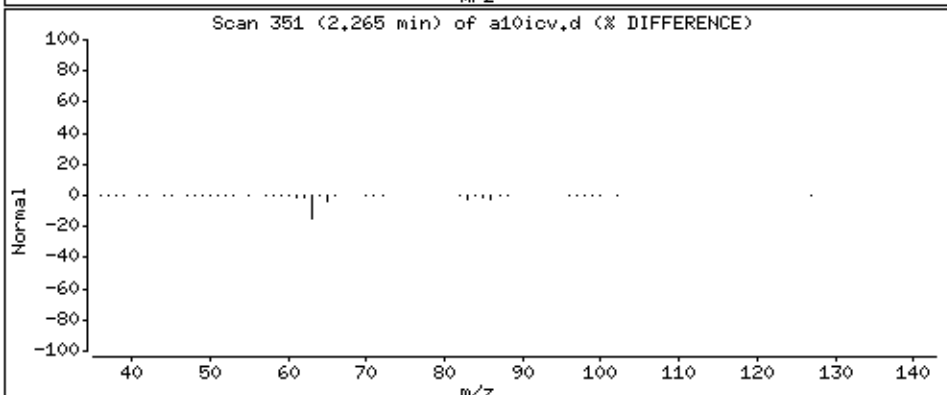
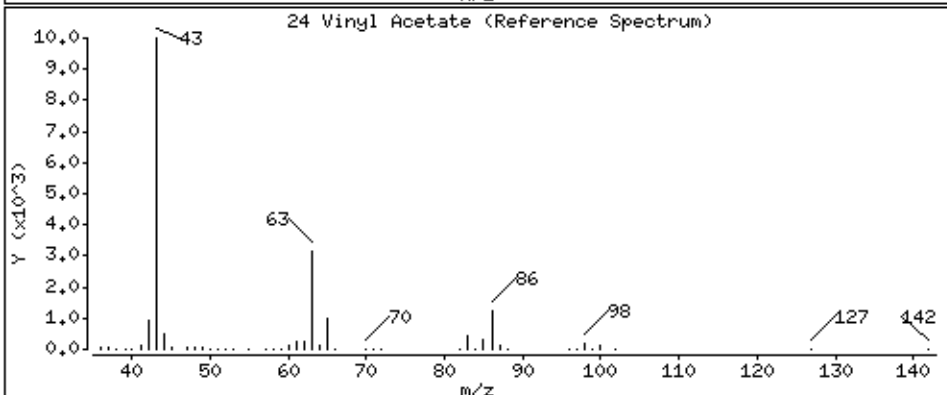
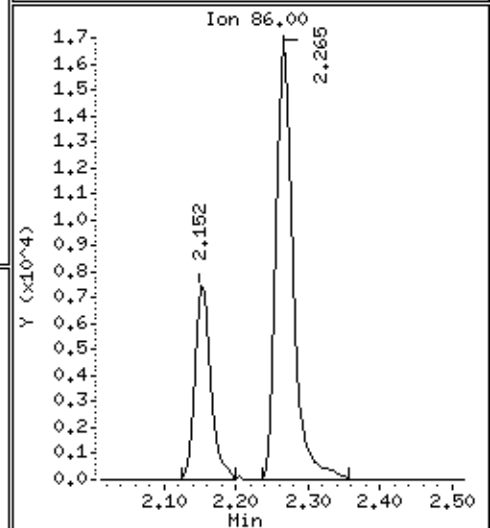
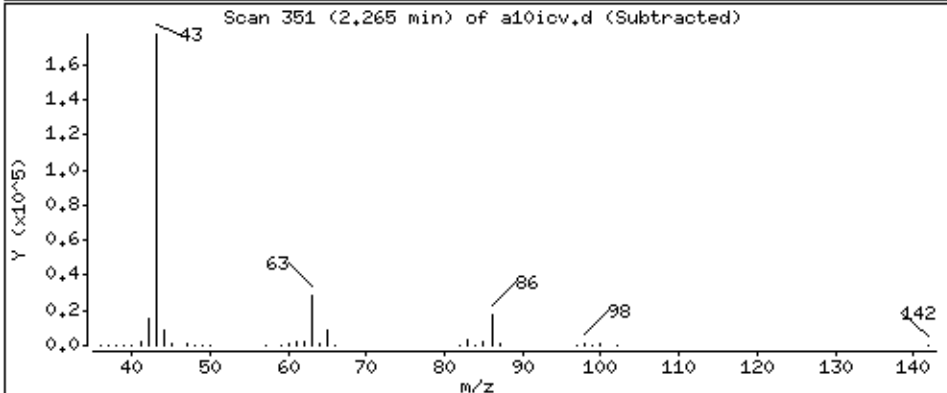
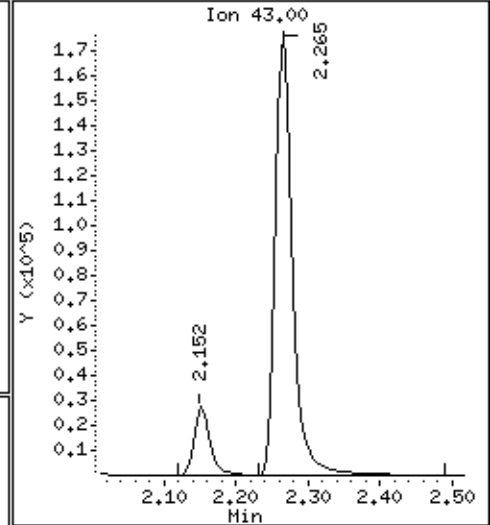
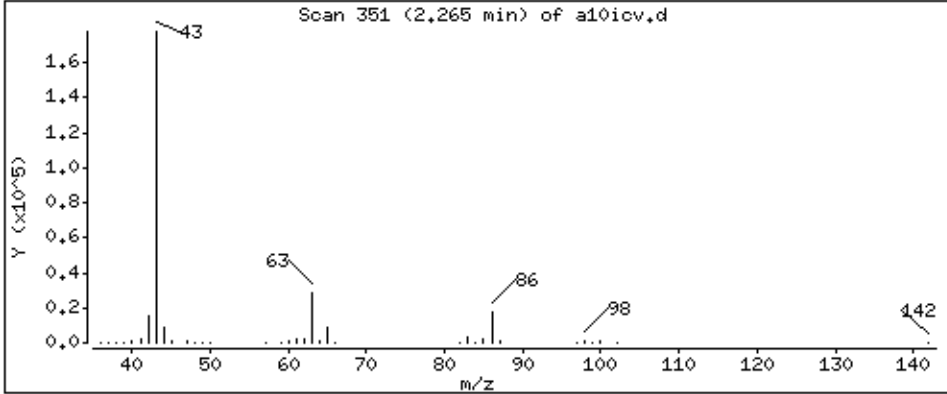
Operator: ala

Column phase: DB-624

Column diameter: 0.18

24 Vinyl Acetate

Concentration: 183 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

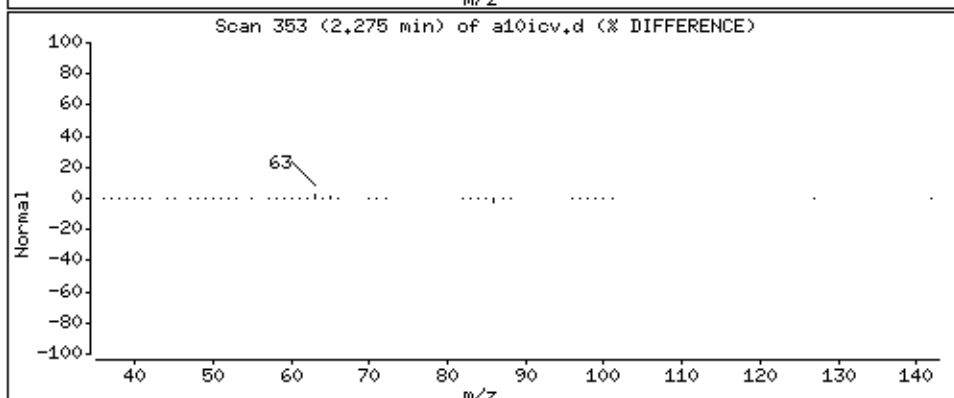
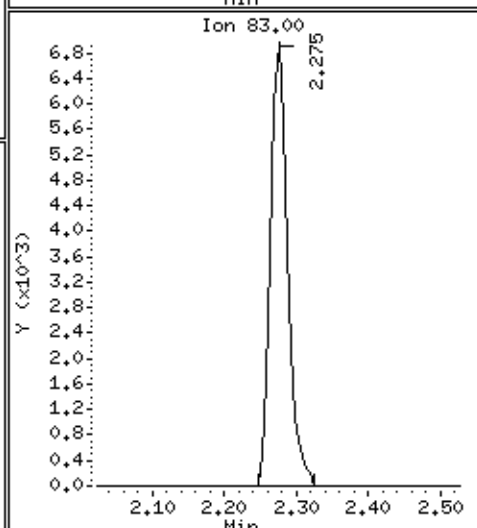
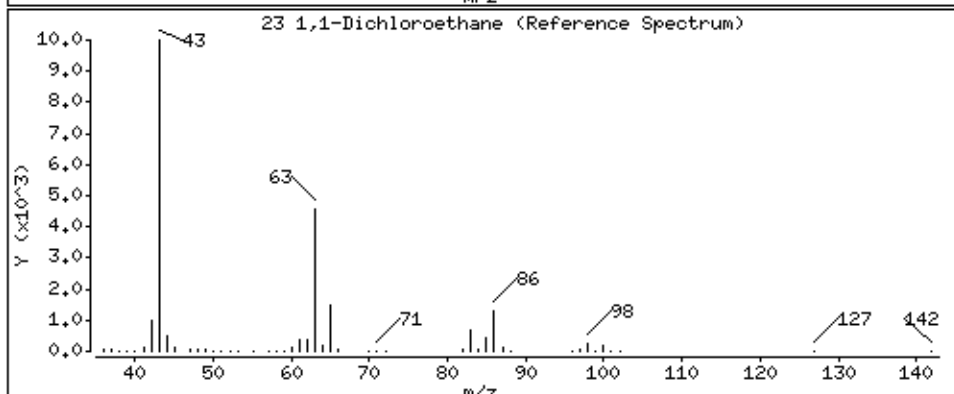
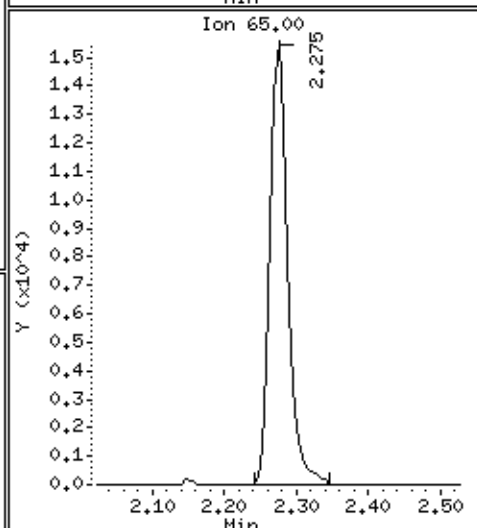
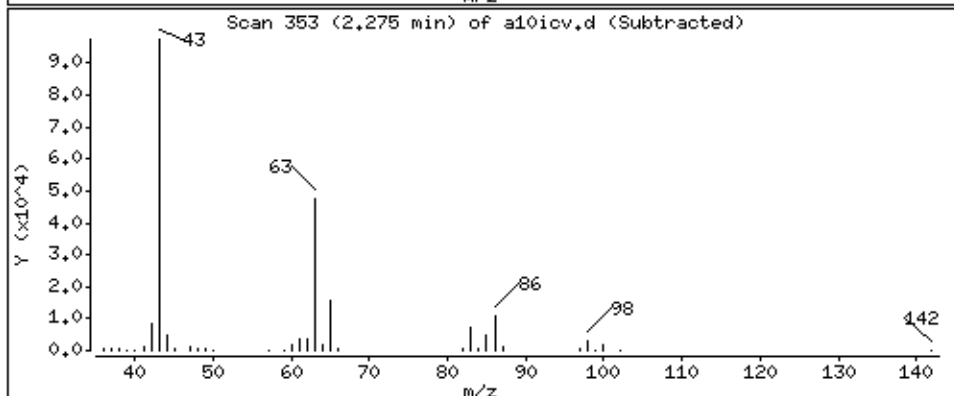
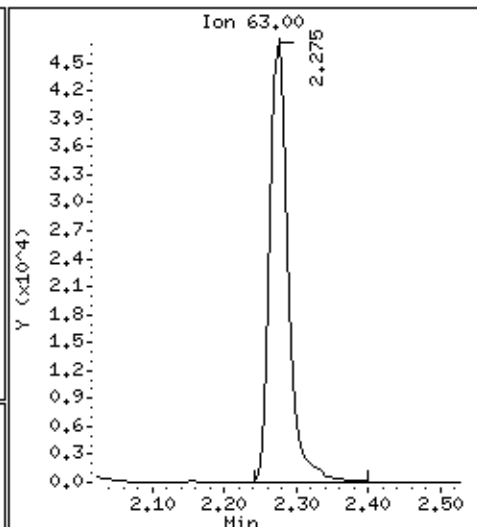
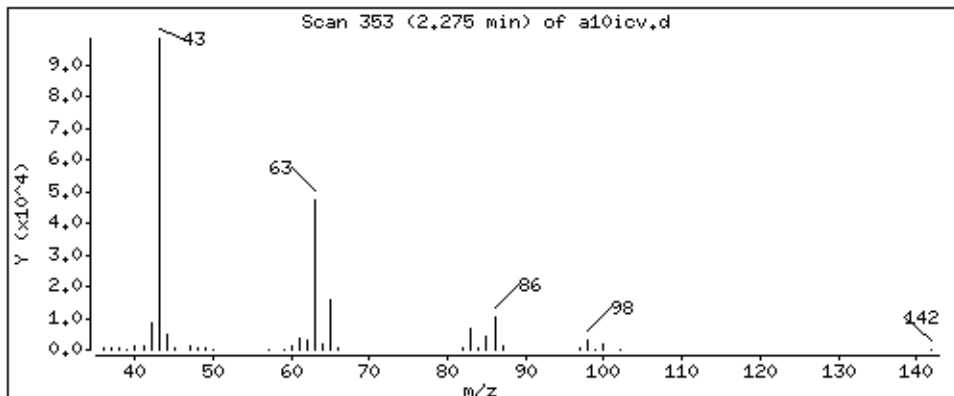
Operator: ala

Column phase: DB-624

Column diameter: 0,18

23 1,1-Dichloroethane

Concentration: 44,9 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

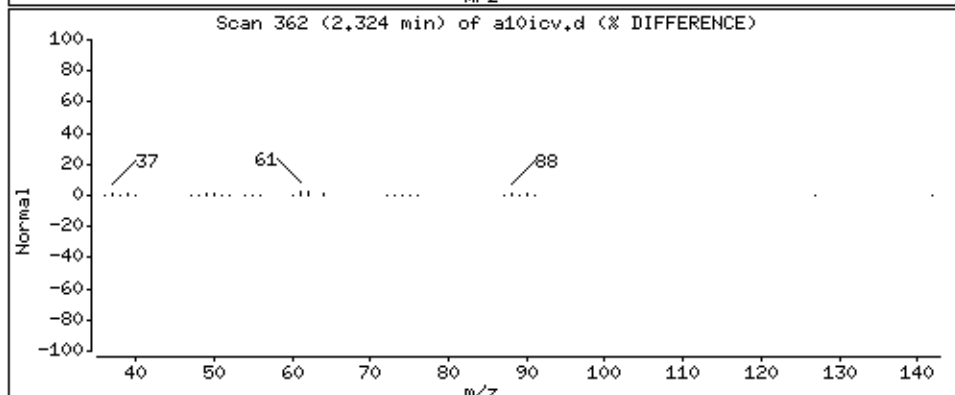
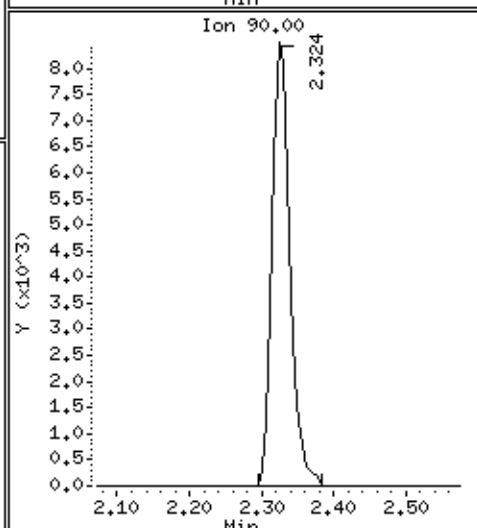
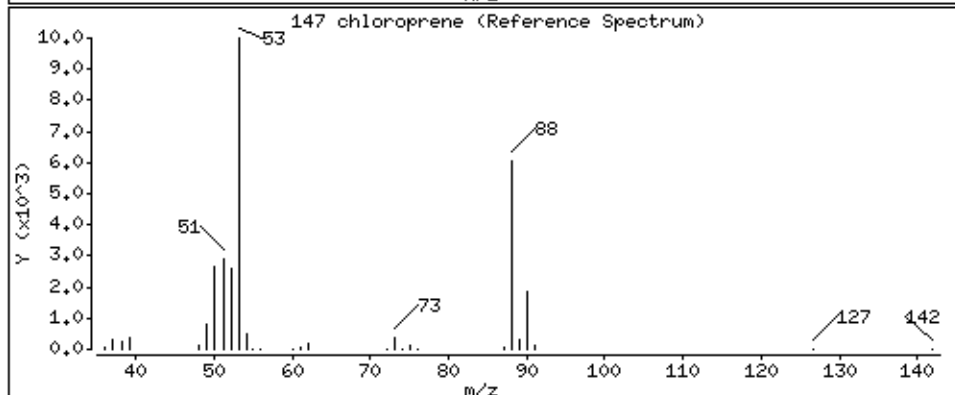
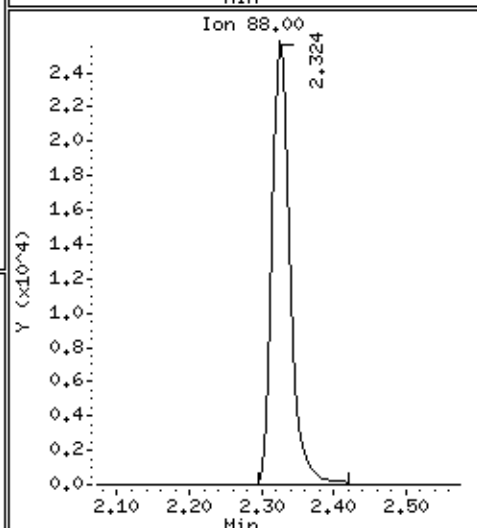
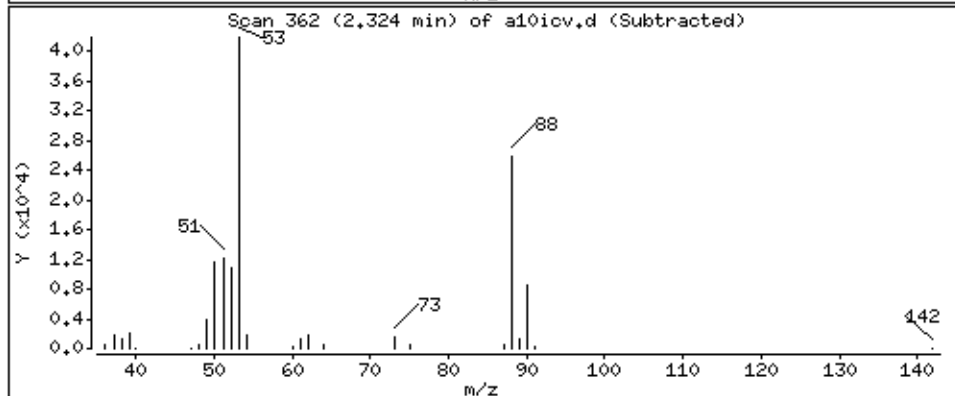
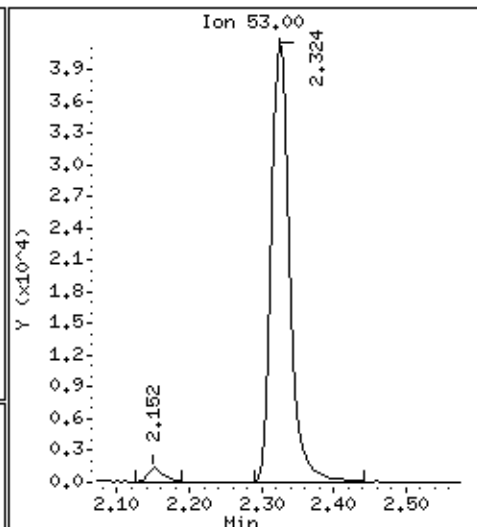
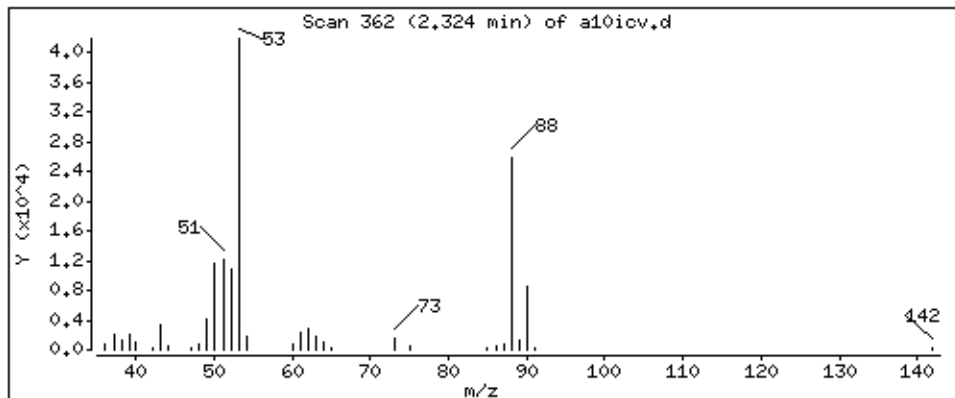
Operator: ala

Column phase: DB-624

Column diameter: 0,18

147 chloroprene

Concentration: 51.6 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

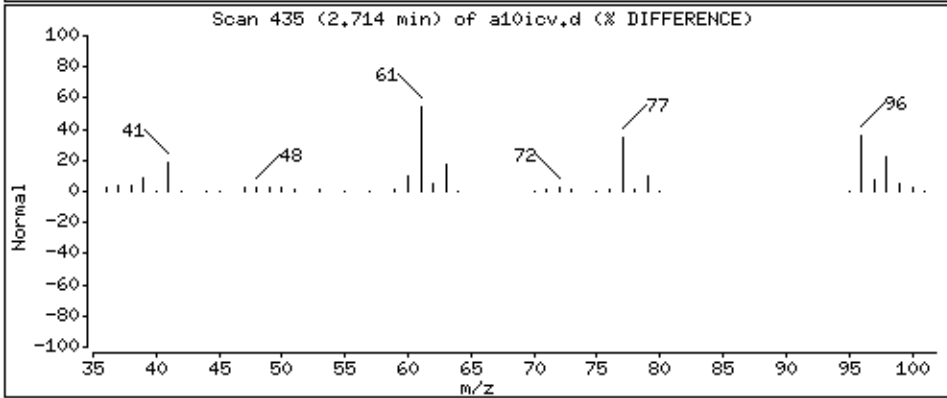
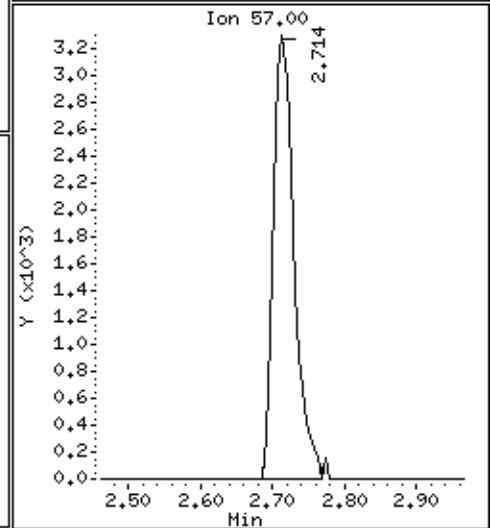
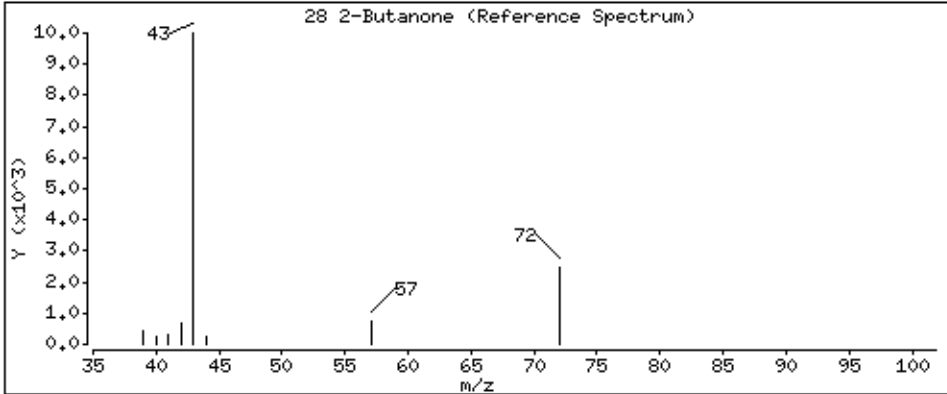
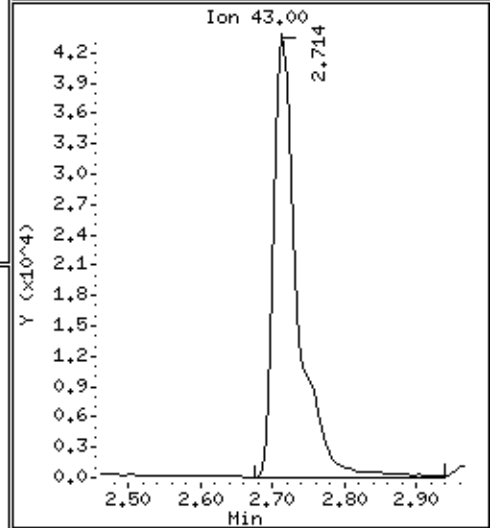
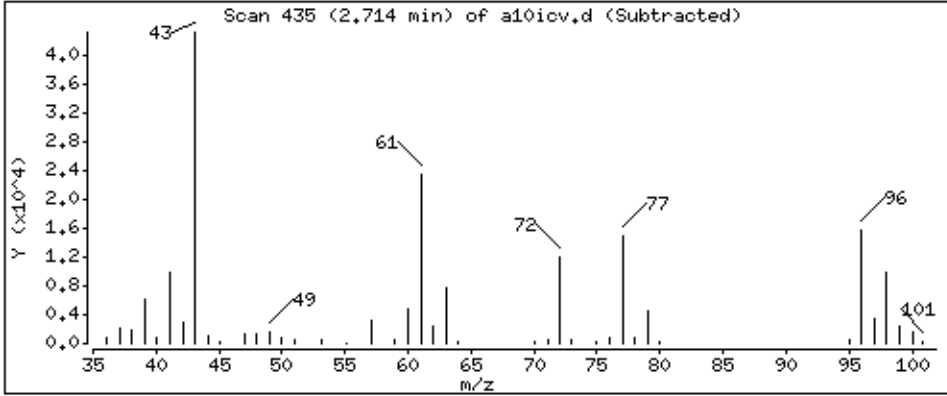
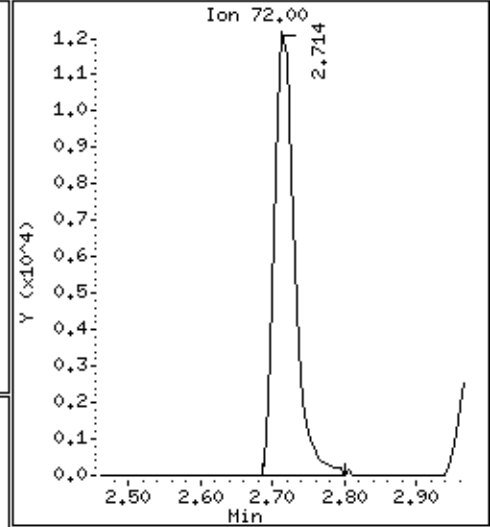
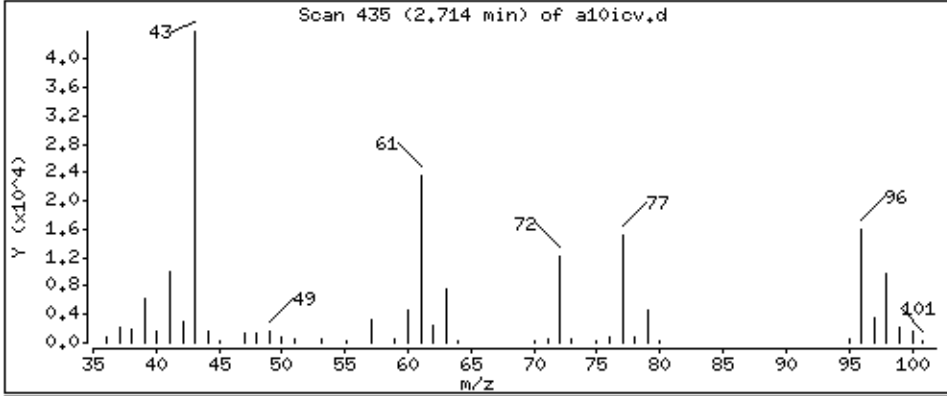
Operator: ala

Column phase: DB-624

Column diameter: 0,18

28 2-Butanone

Concentration: 216 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

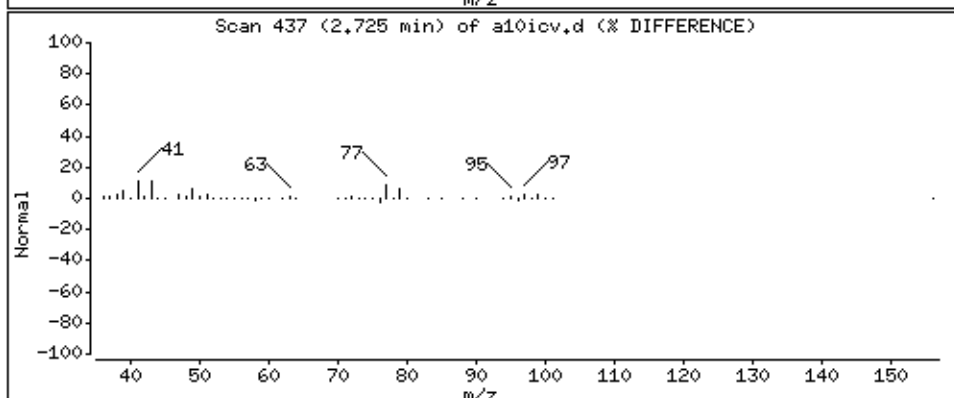
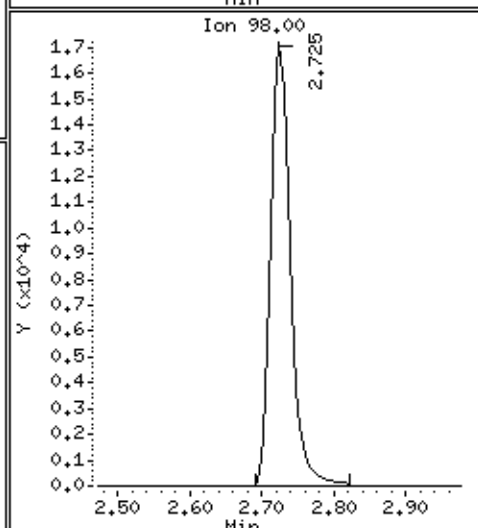
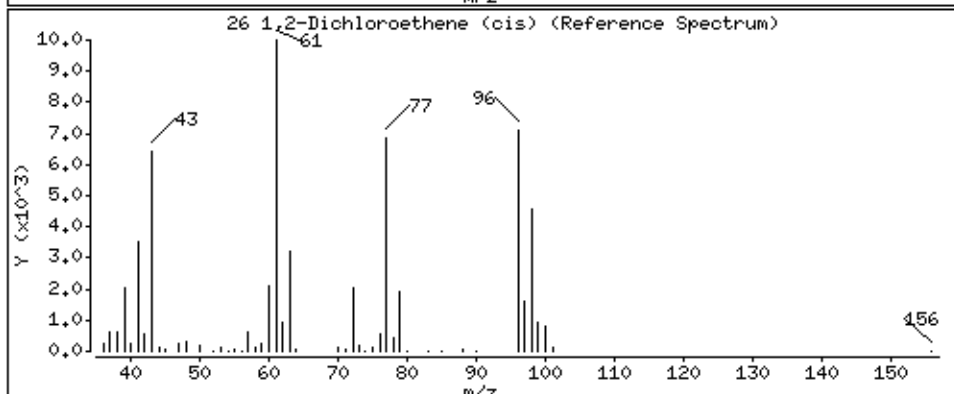
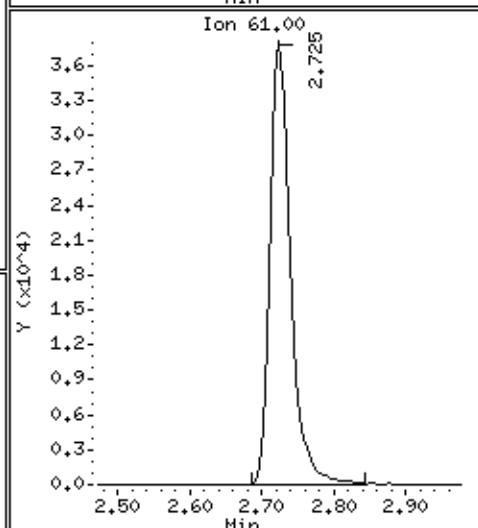
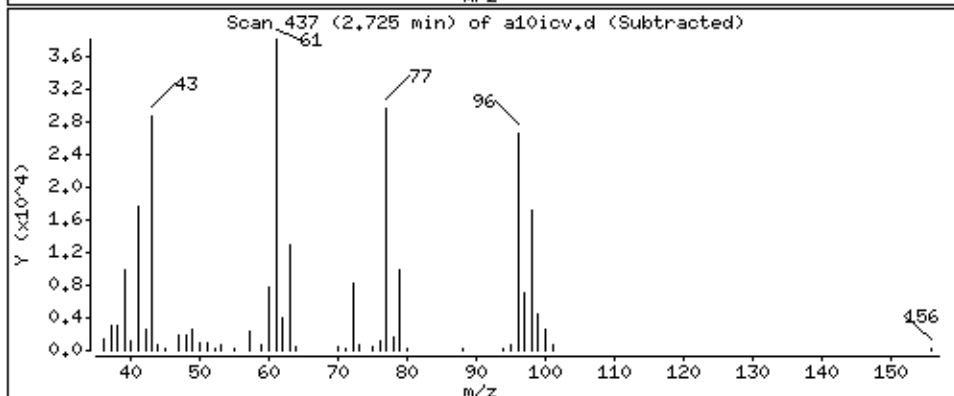
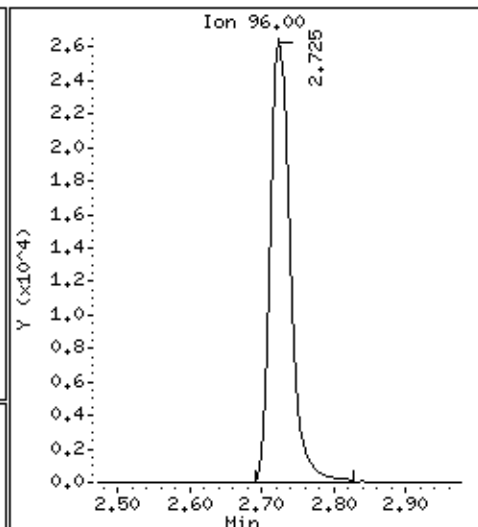
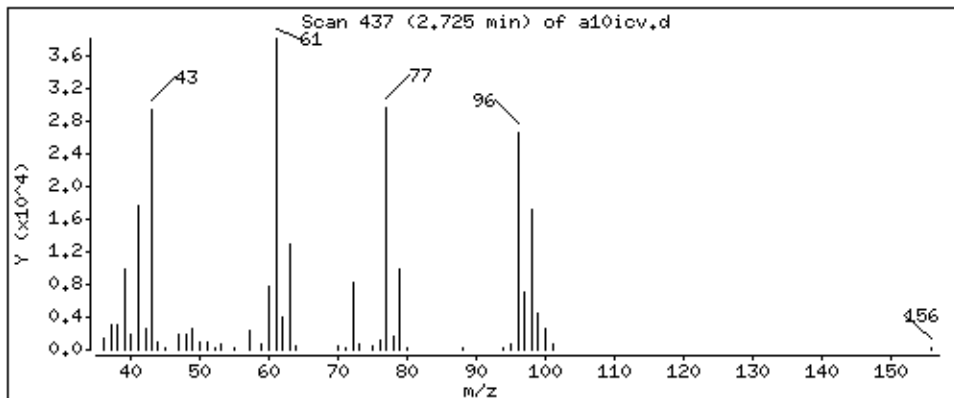
Operator: ala

Column phase: DB-624

Column diameter: 0,18

26 1,2-Dichloroethene (cis)

Concentration: 48,8 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855;0

Purge Volume: 5.0

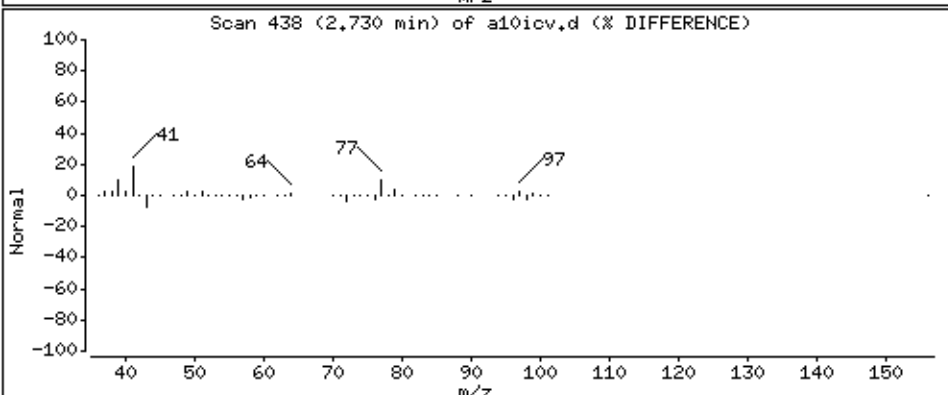
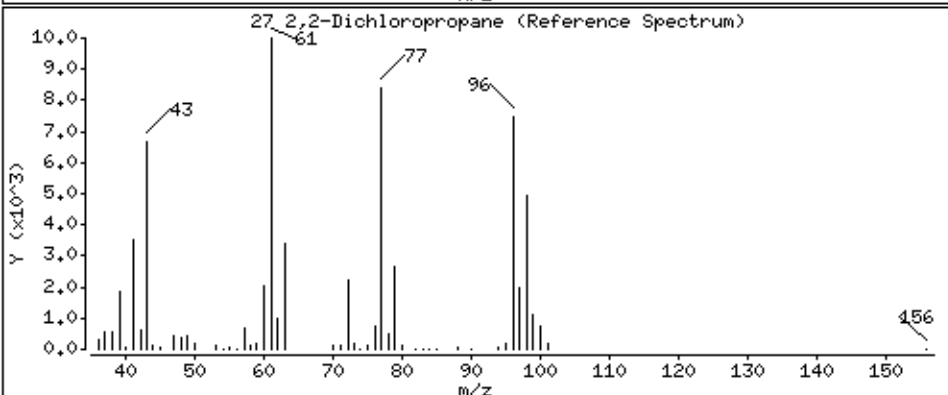
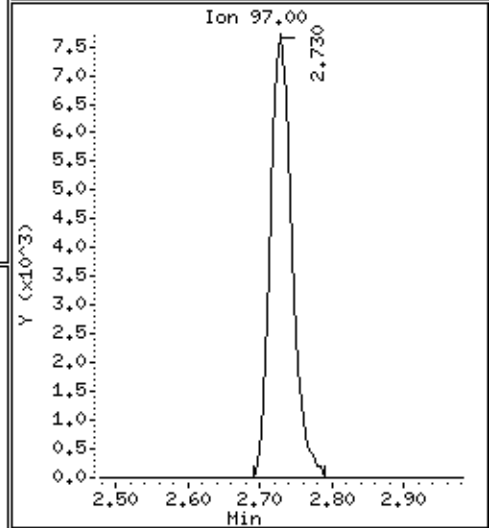
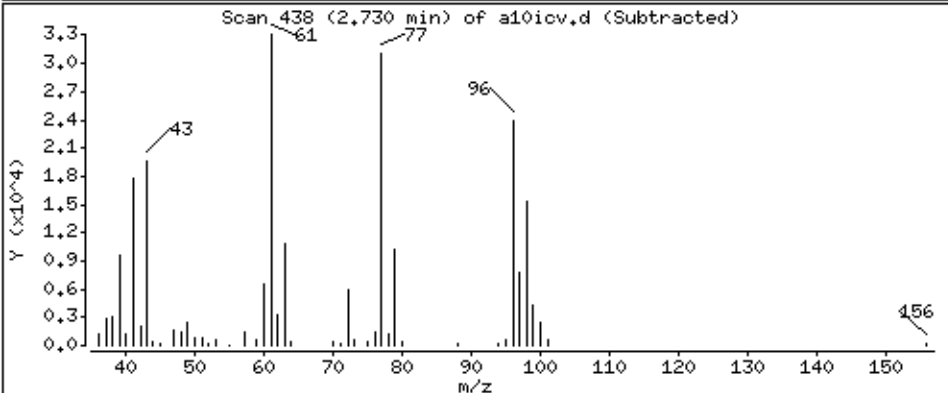
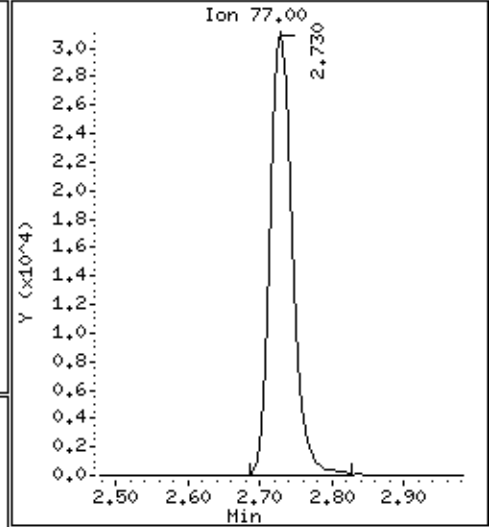
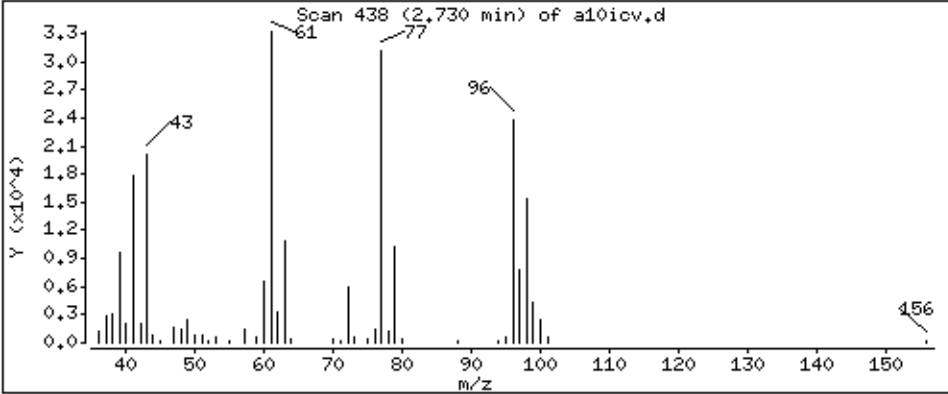
Operator: ala

Column phase: DB-624

Column diameter: 0,18

27 2,2-Dichloropropane

Concentration: 48,3 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

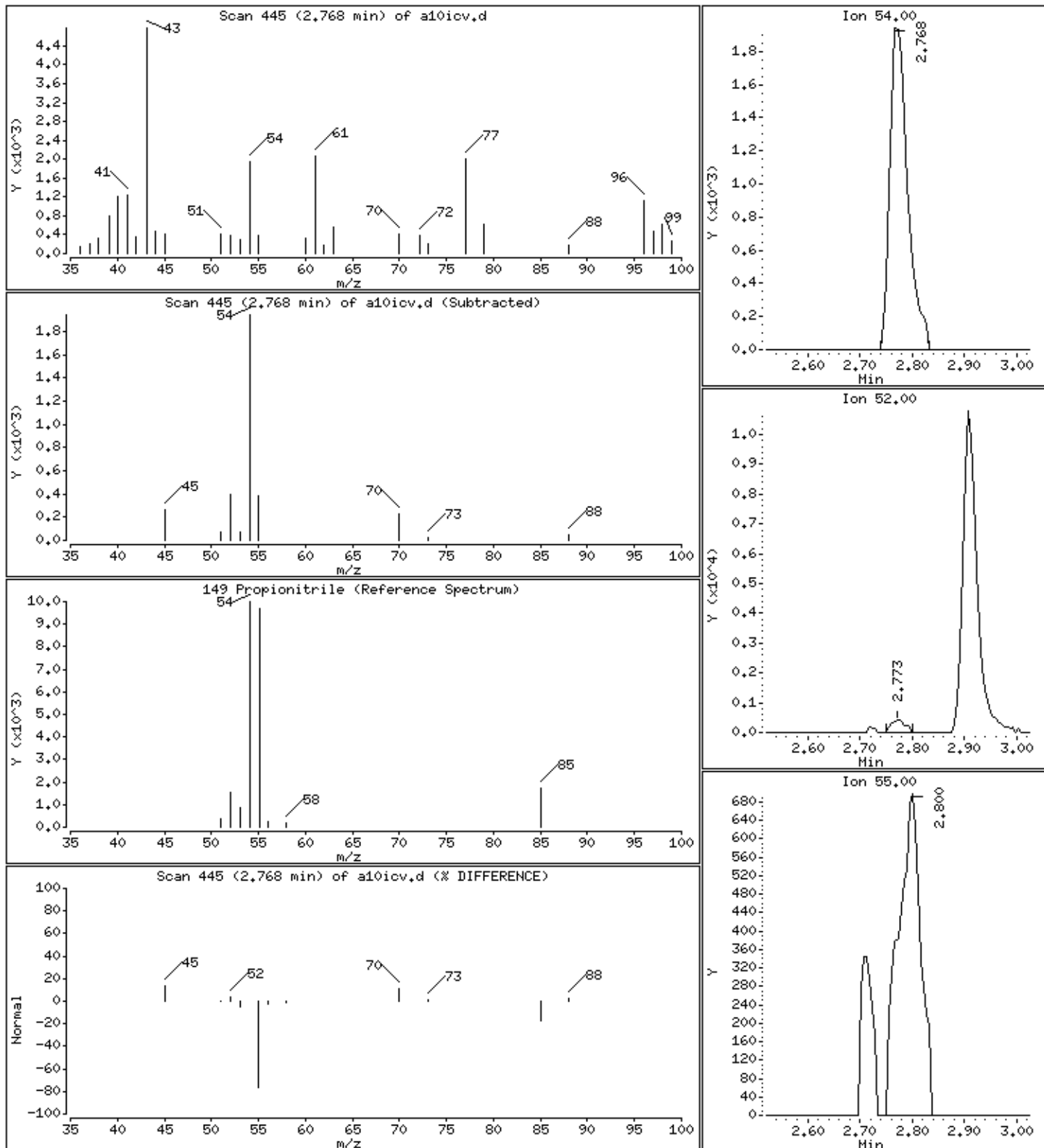
Operator: ala

Column phase: DB-624

Column diameter: 0,18

149 Propionitrile

Concentration: 39,0 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

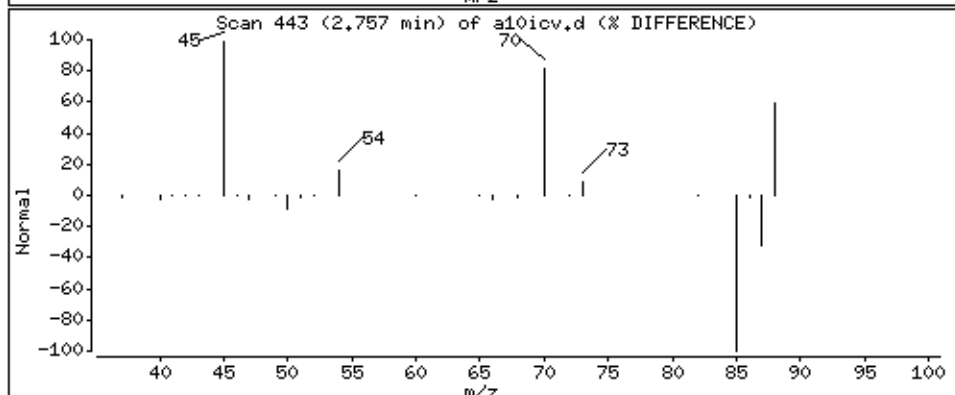
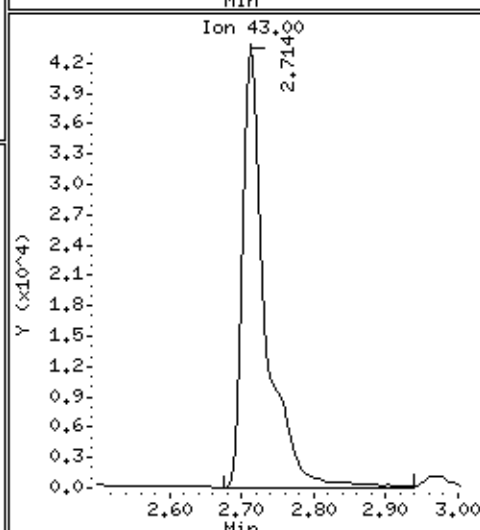
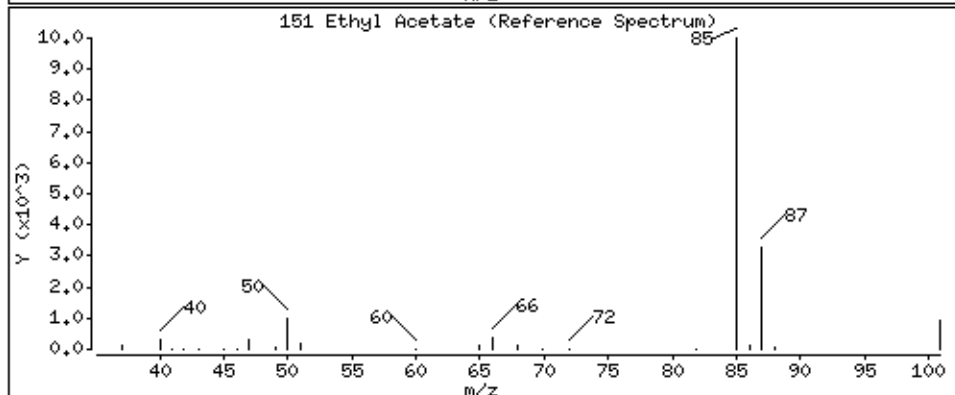
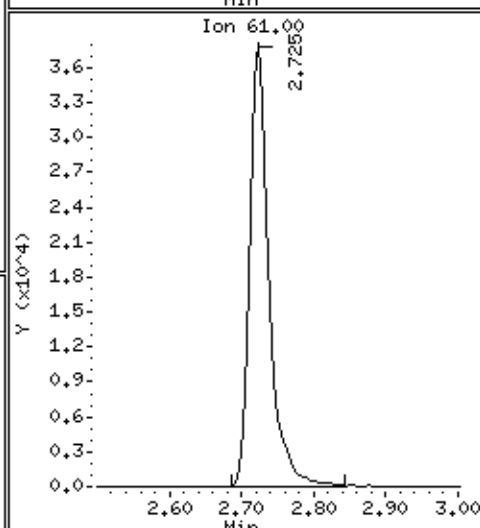
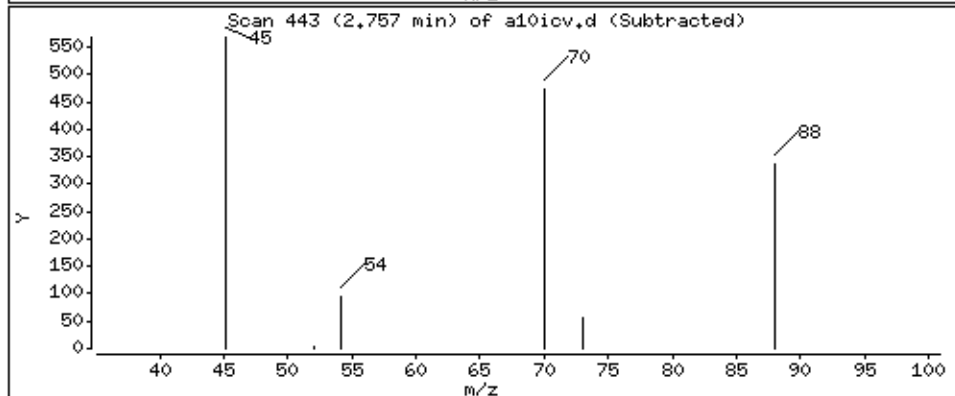
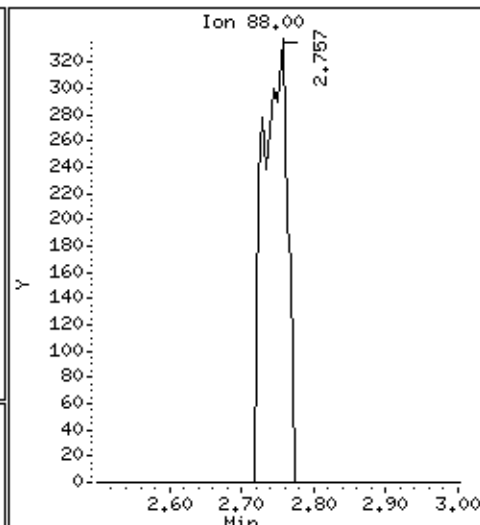
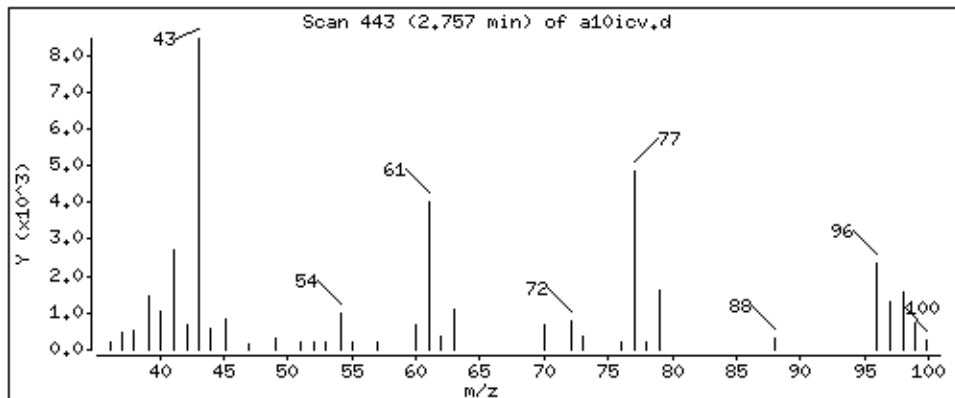
Operator: ala

Column phase: DB-624

Column diameter: 0,18

151 Ethyl Acetate

Concentration: 39,2 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

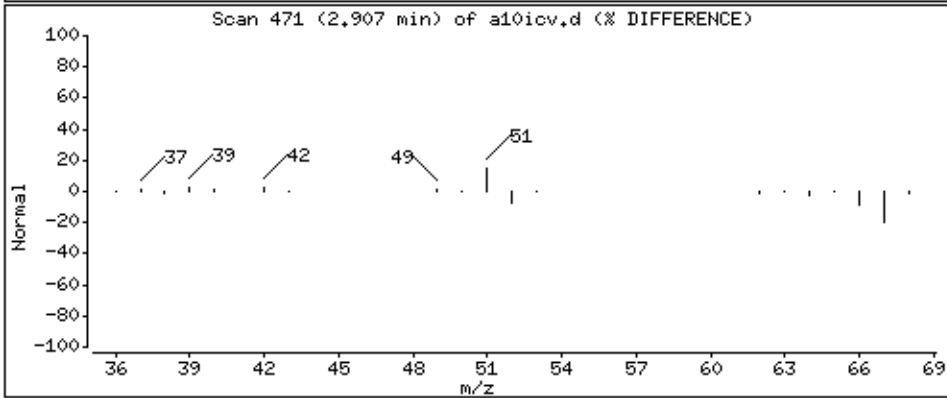
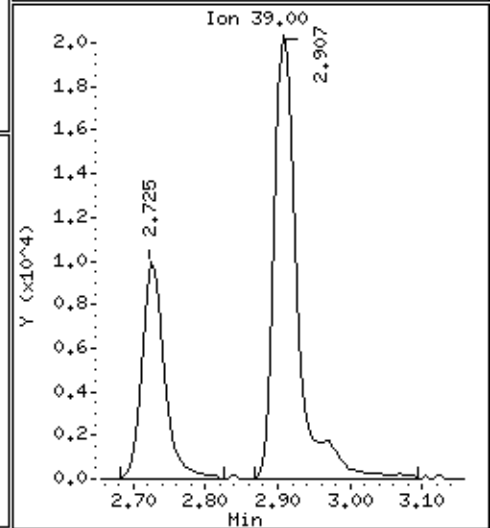
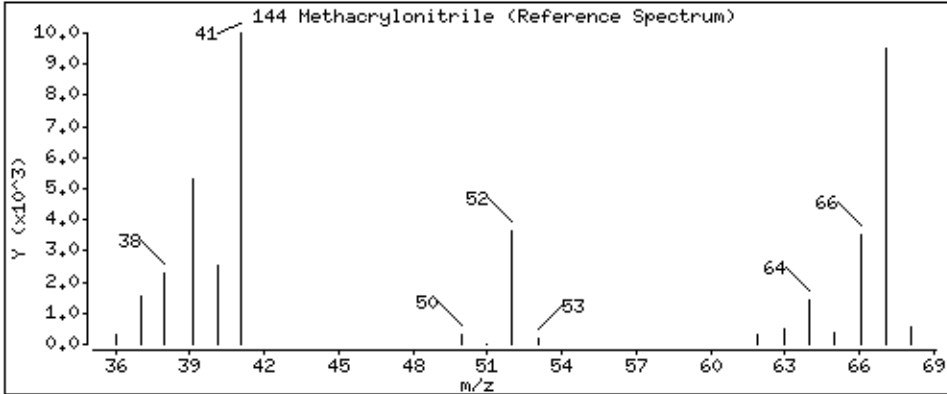
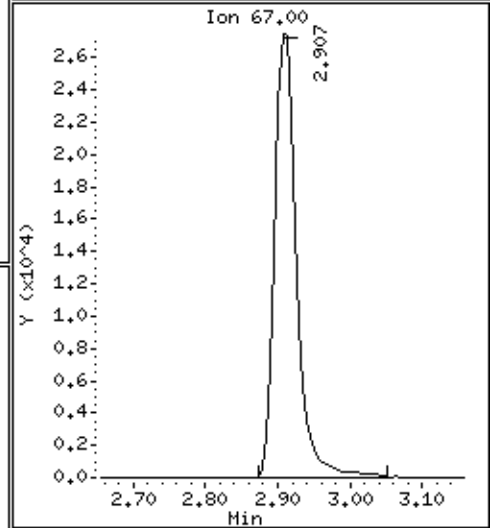
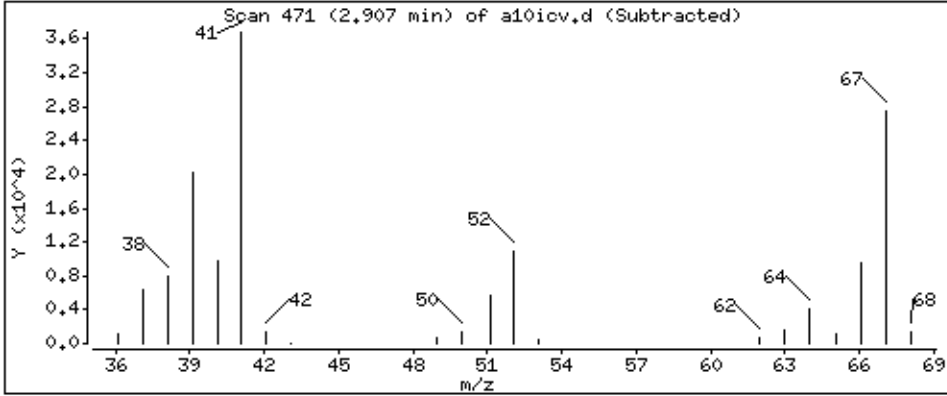
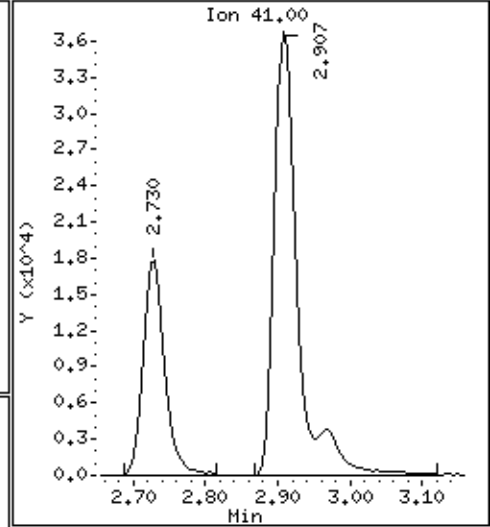
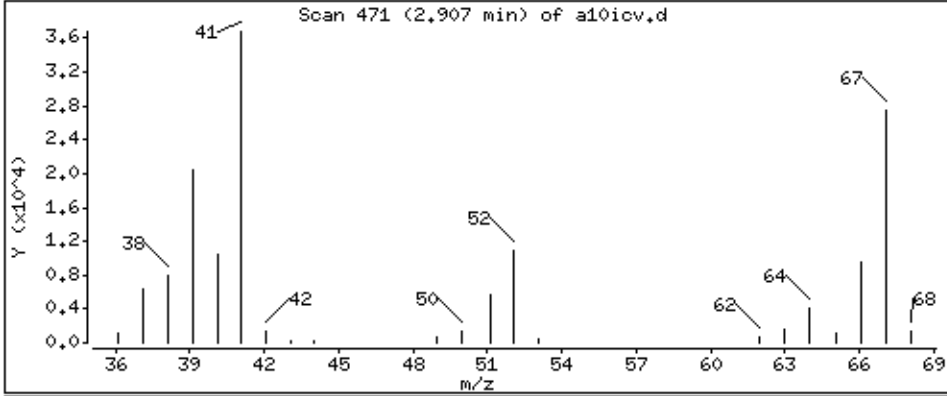
Operator: ala

Column phase: DB-624

Column diameter: 0,18

144 Methacrylonitrile

Concentration: 222 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

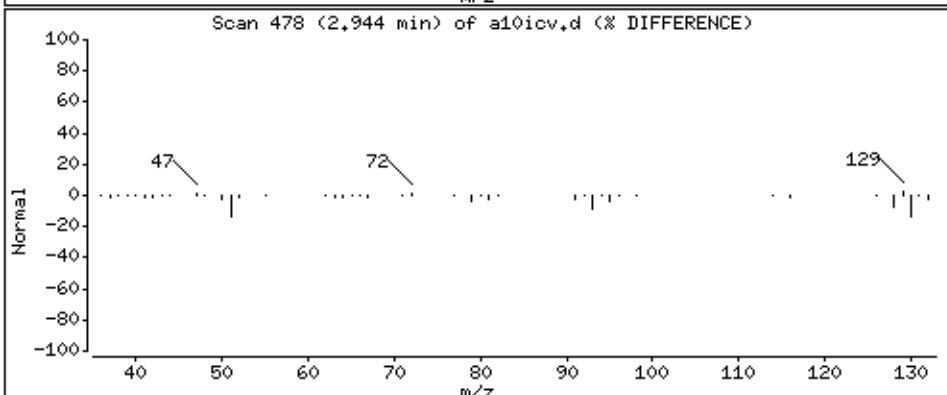
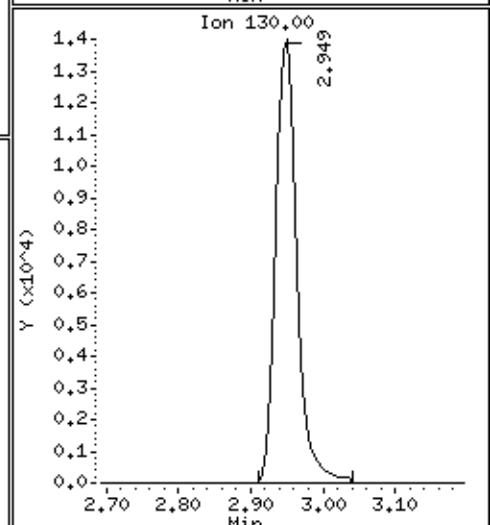
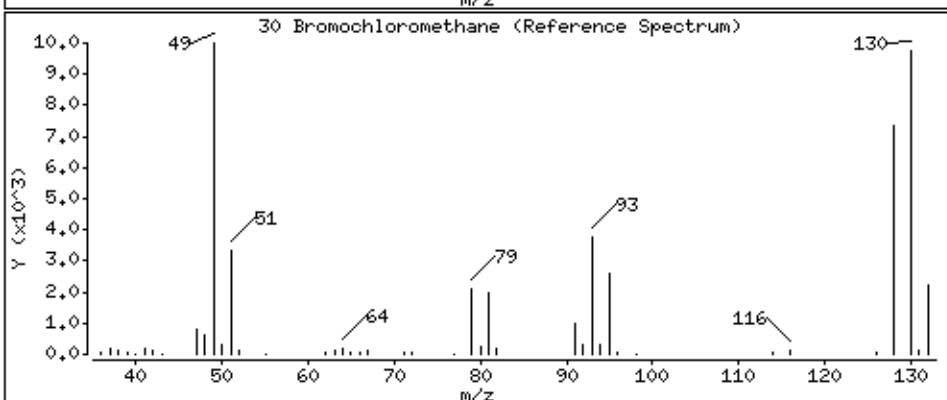
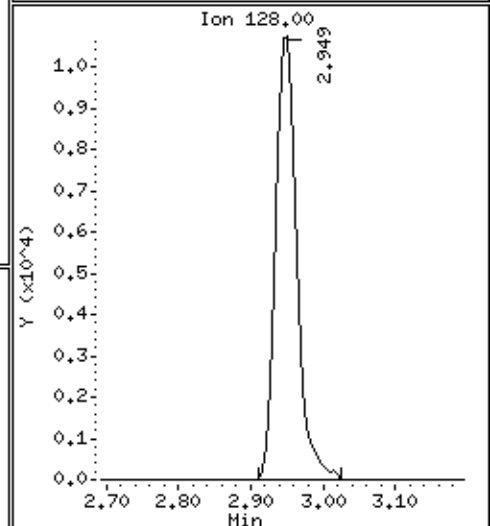
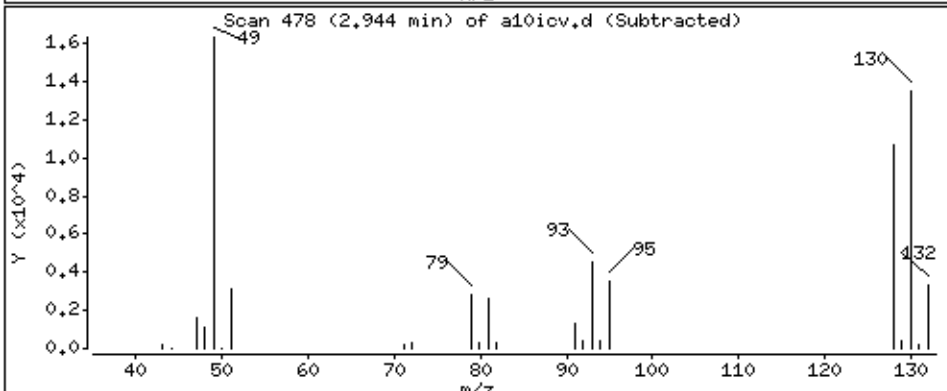
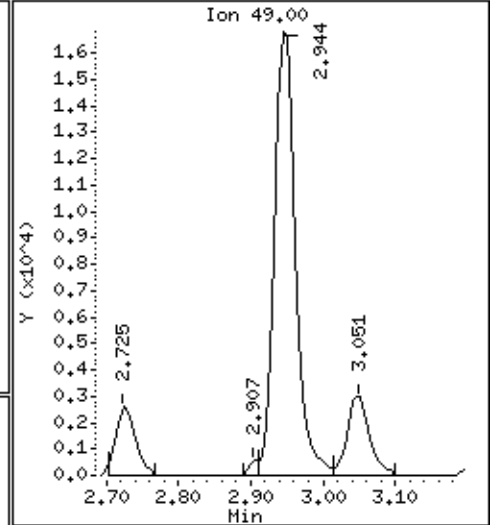
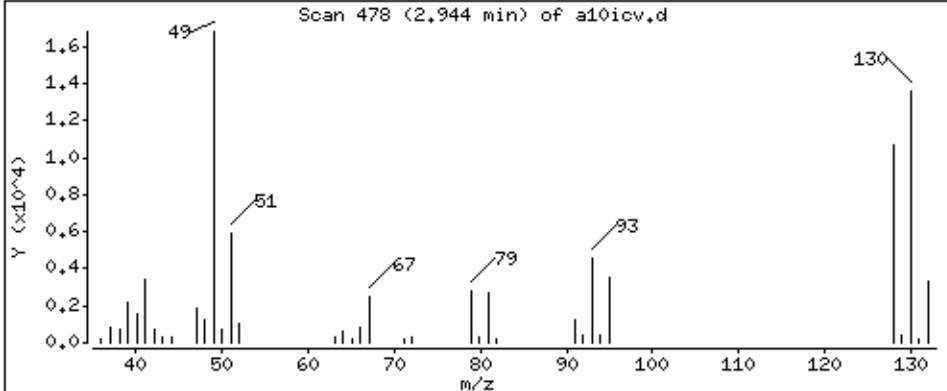
Operator: ala

Column phase: DB-624

Column diameter: 0,18

30 Bromochloromethane

Concentration: 46,8 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

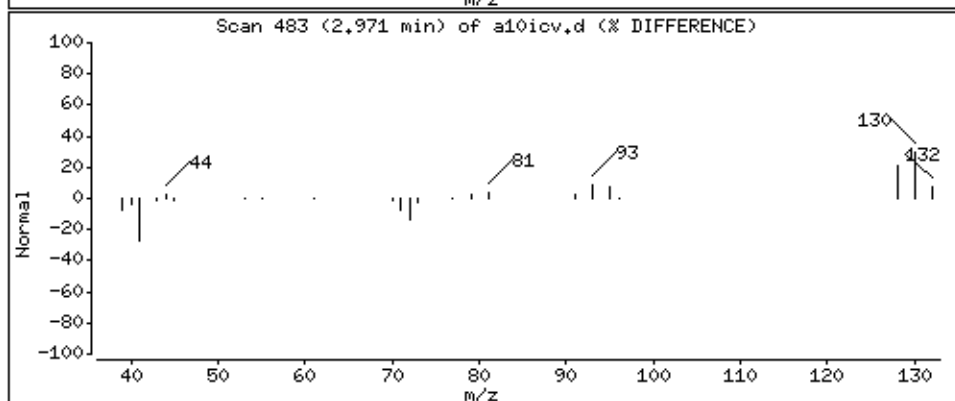
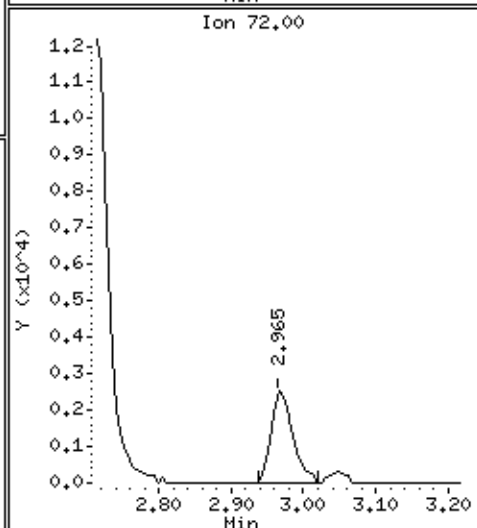
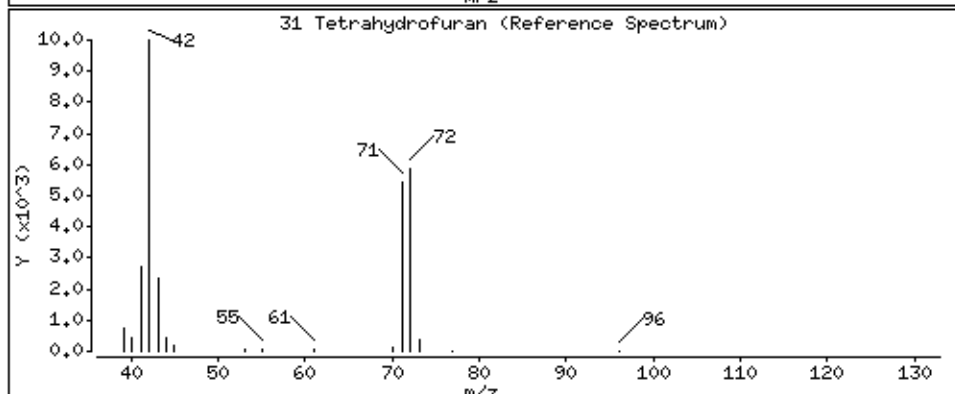
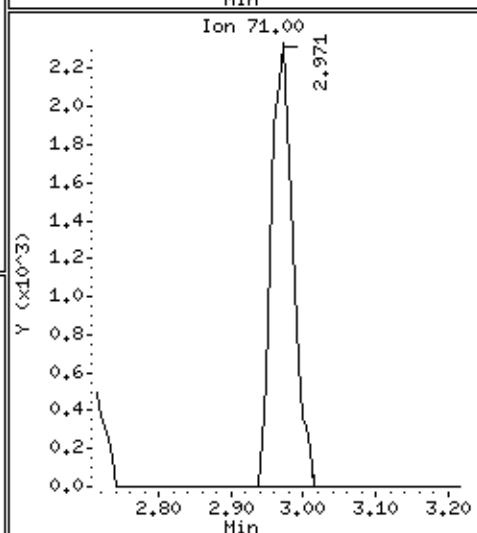
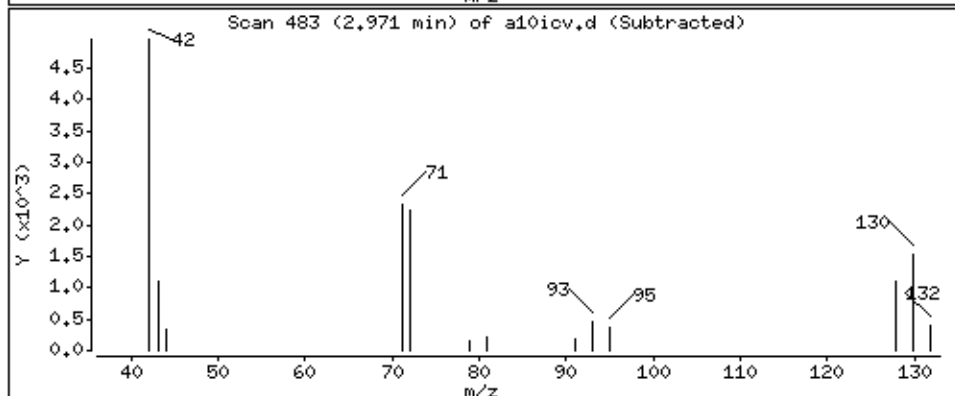
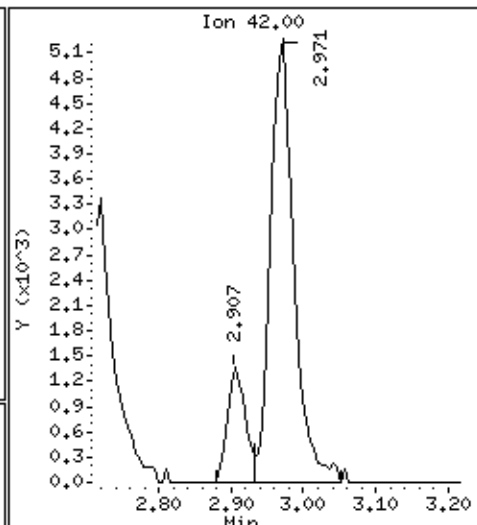
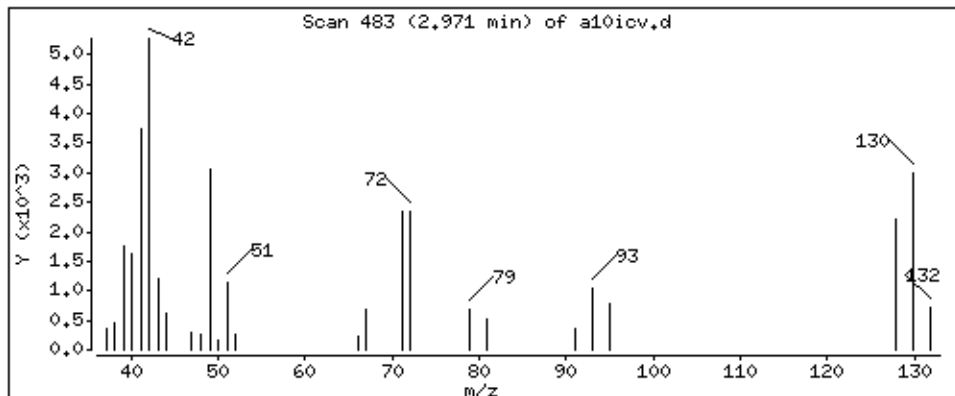
Operator: ala

Column phase: DB-624

Column diameter: 0,18

31 Tetrahydrofuran

Concentration: 49,6 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

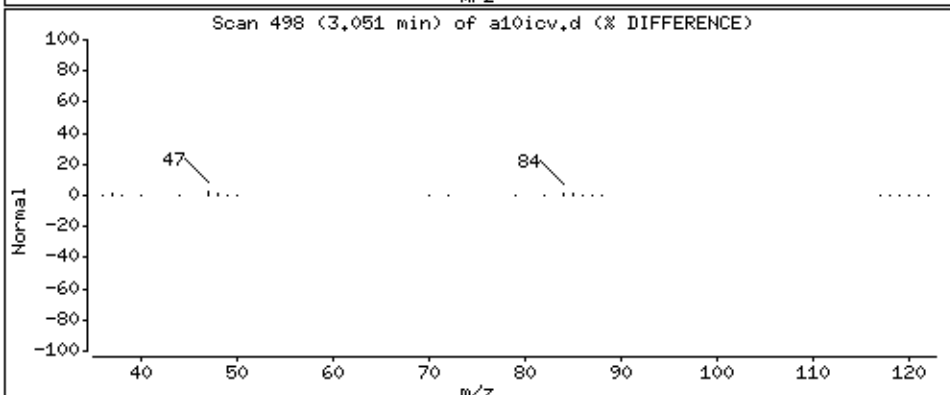
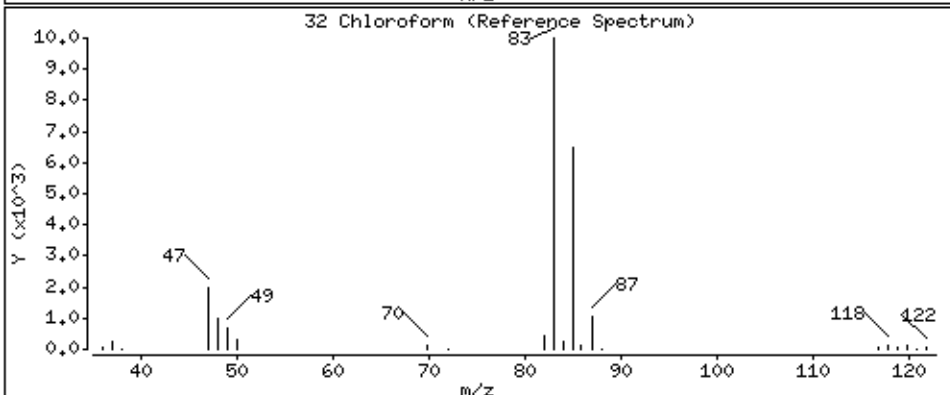
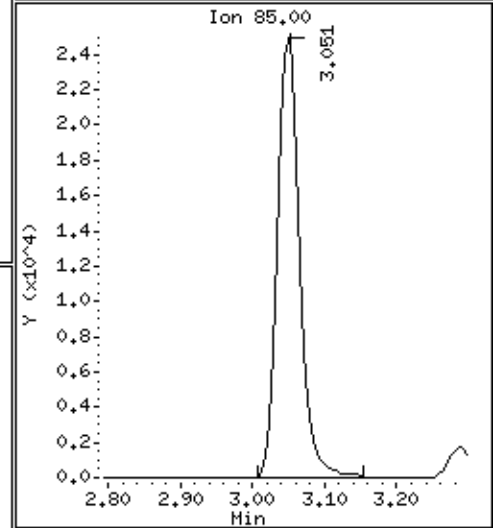
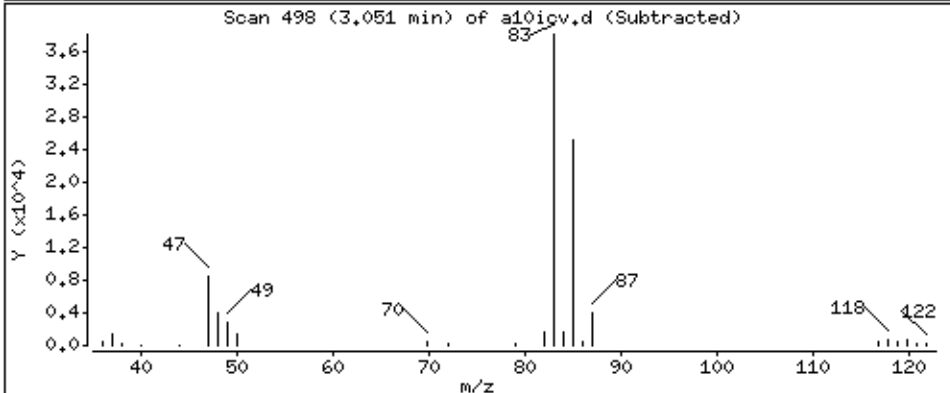
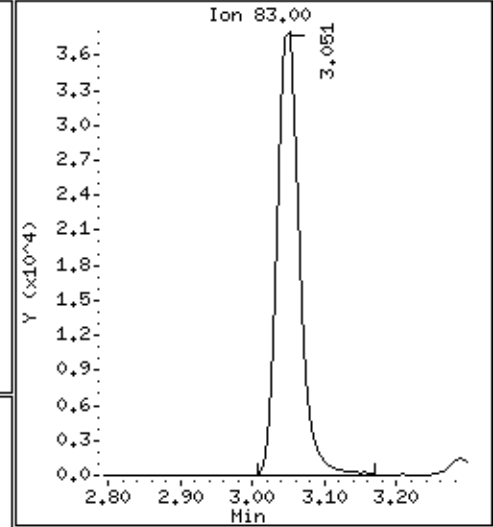
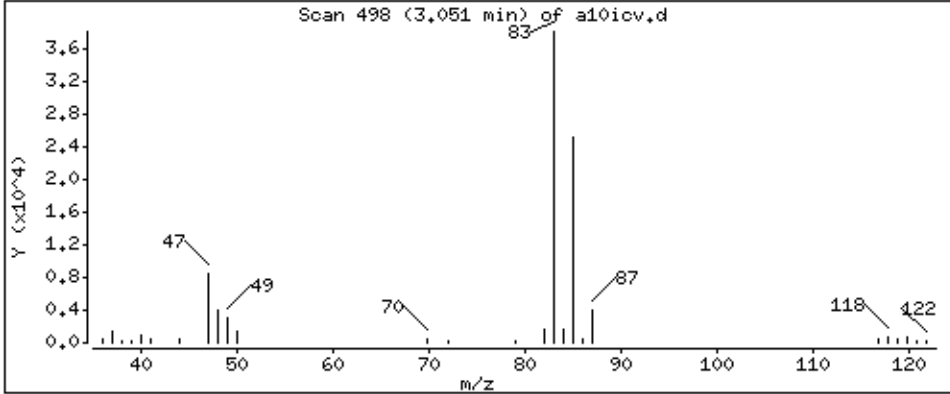
Operator: ala

Column phase: DB-624

Column diameter: 0,18

32 Chloroform

Concentration: 44,4 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

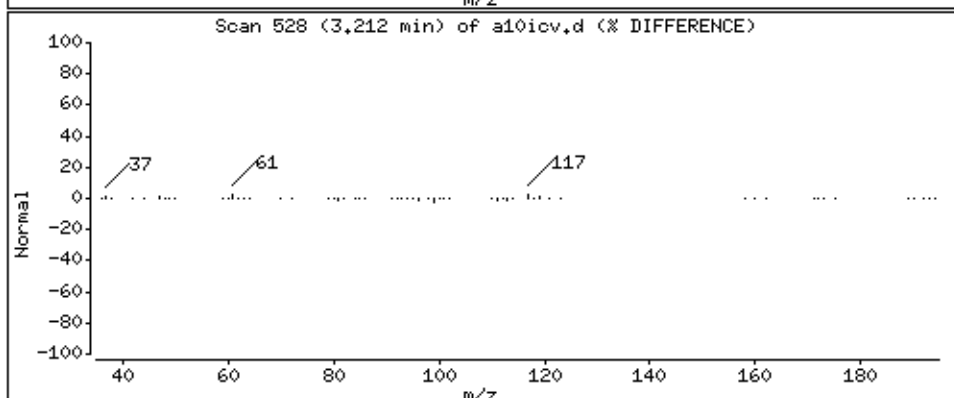
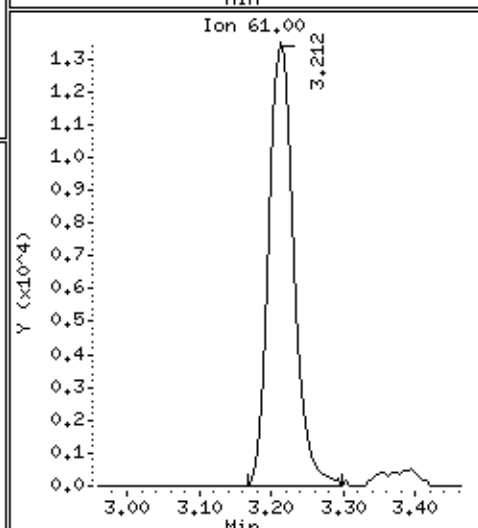
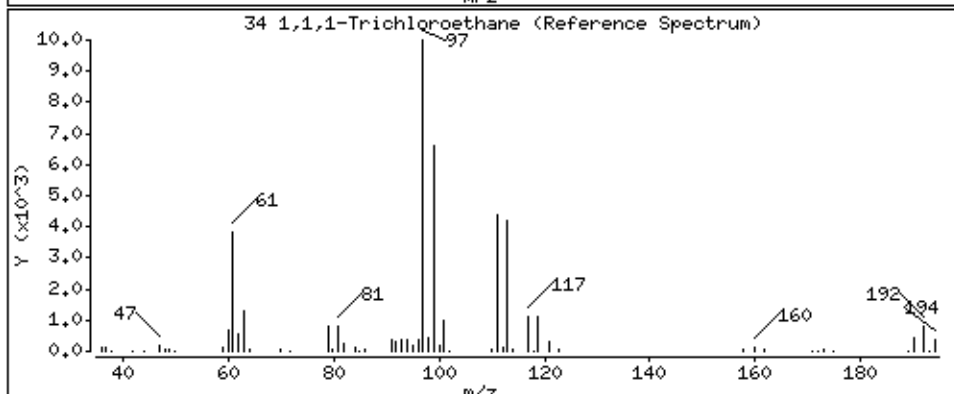
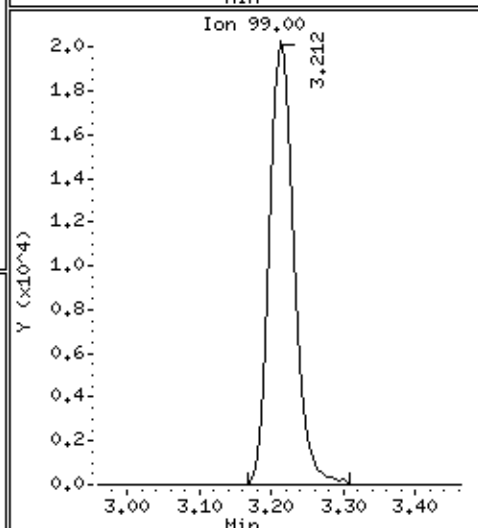
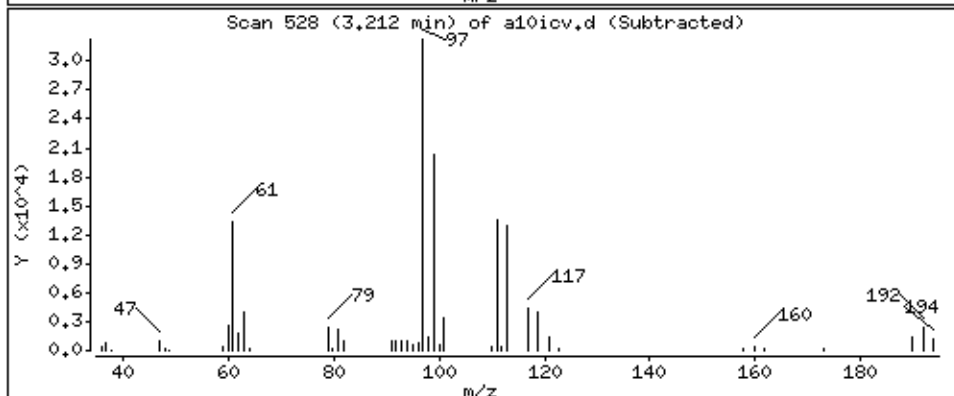
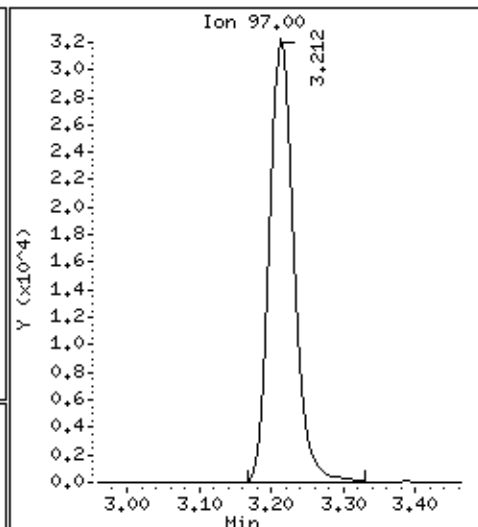
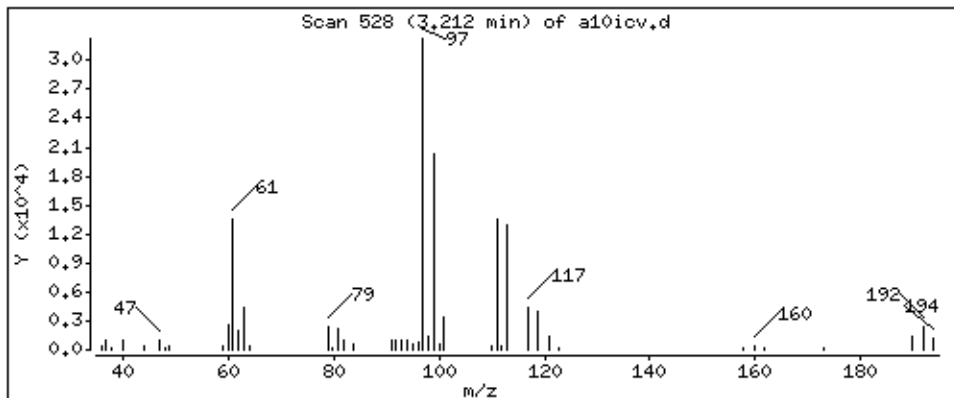
Operator: ala

Column phase: DB-624

Column diameter: 0.18

34 1,1,1-Trichloroethane

Concentration: 51.1 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

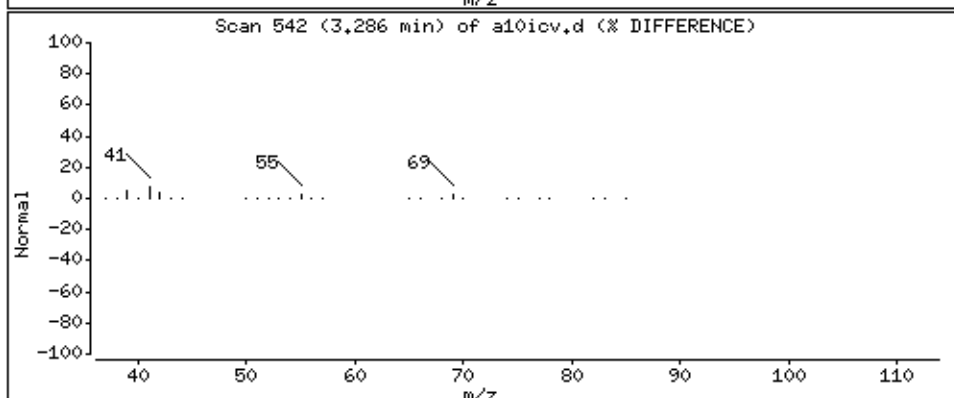
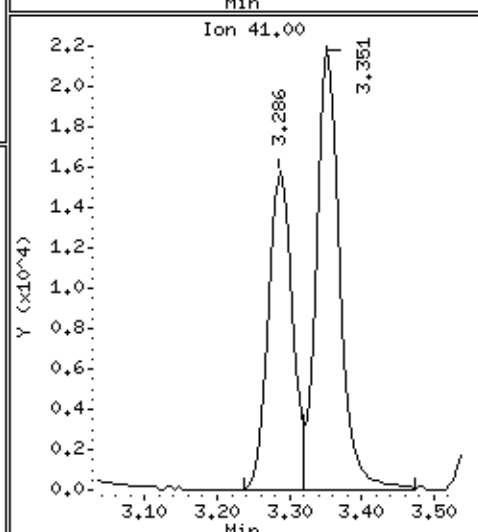
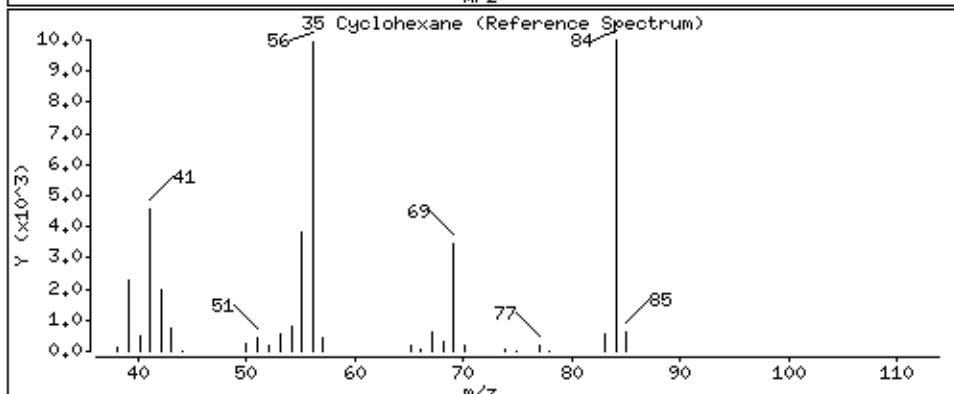
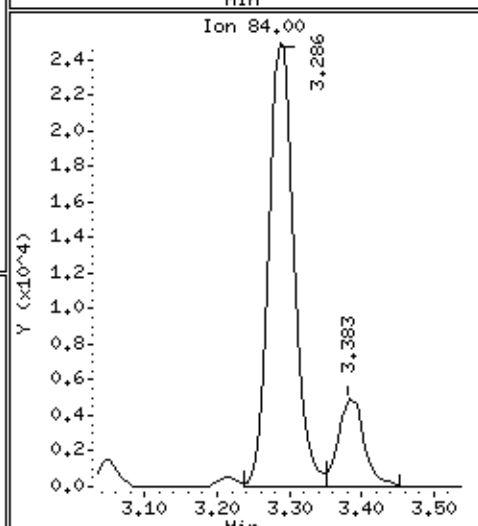
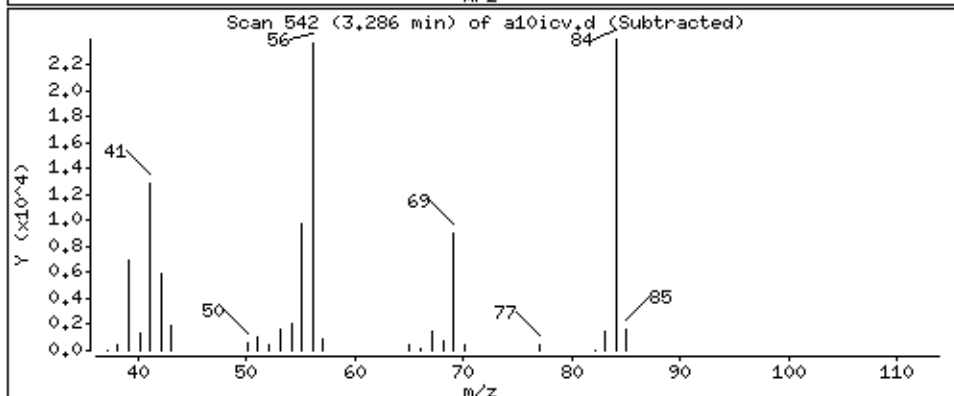
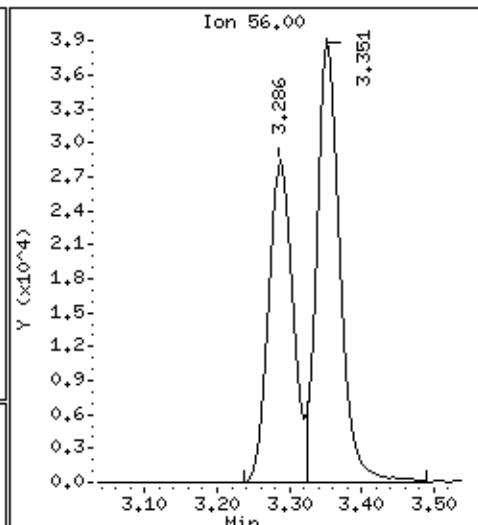
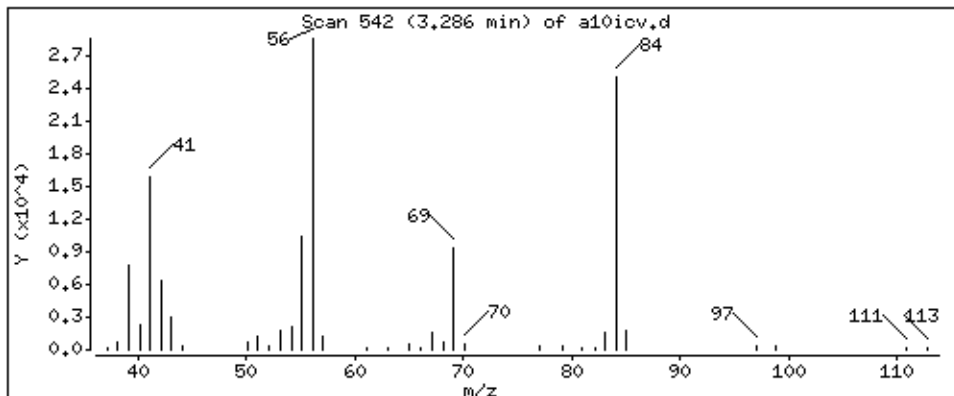
Operator: ala

Column phase: DB-624

Column diameter: 0,18

35 Cyclohexane

Concentration: 44,3 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

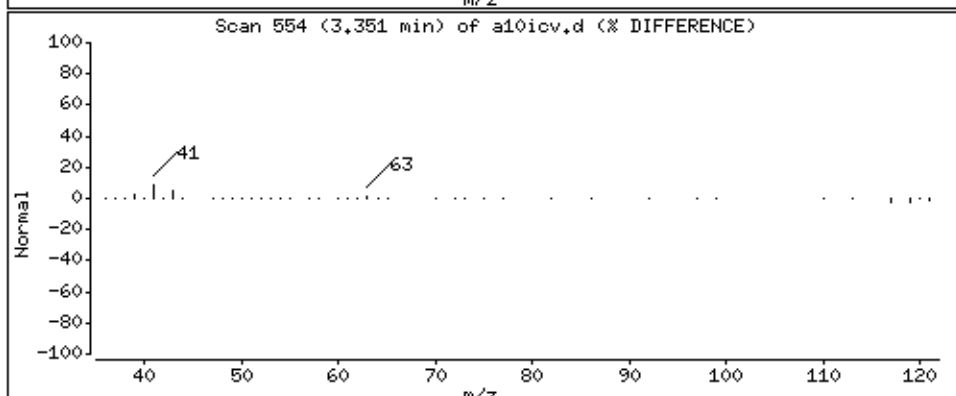
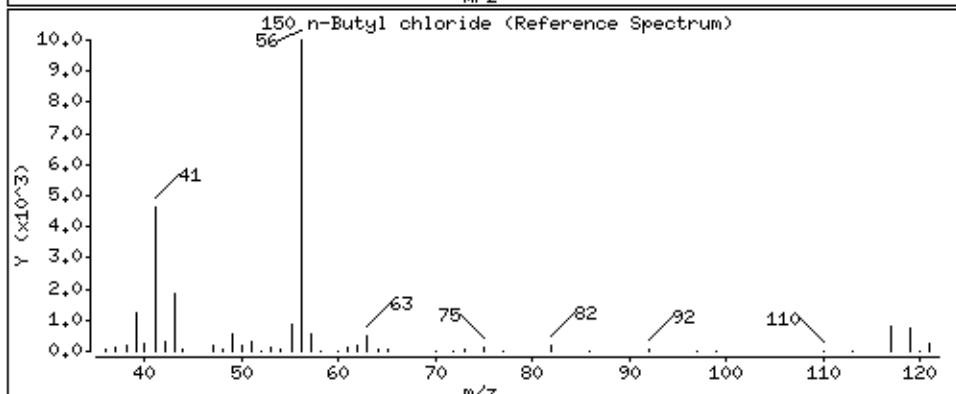
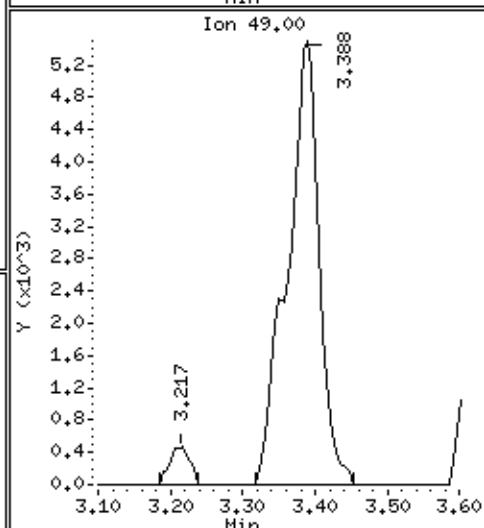
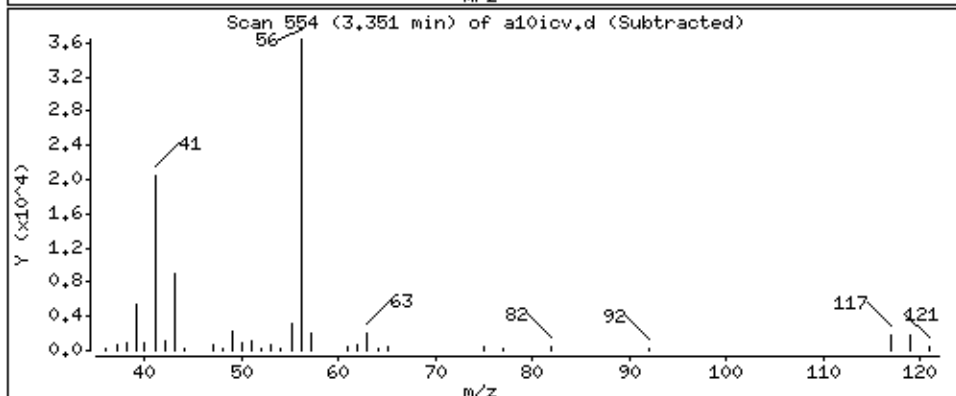
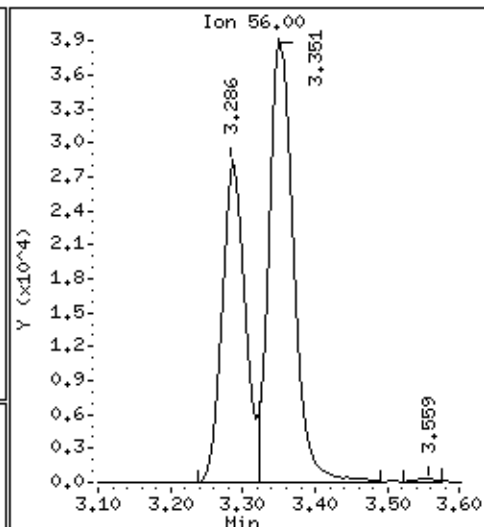
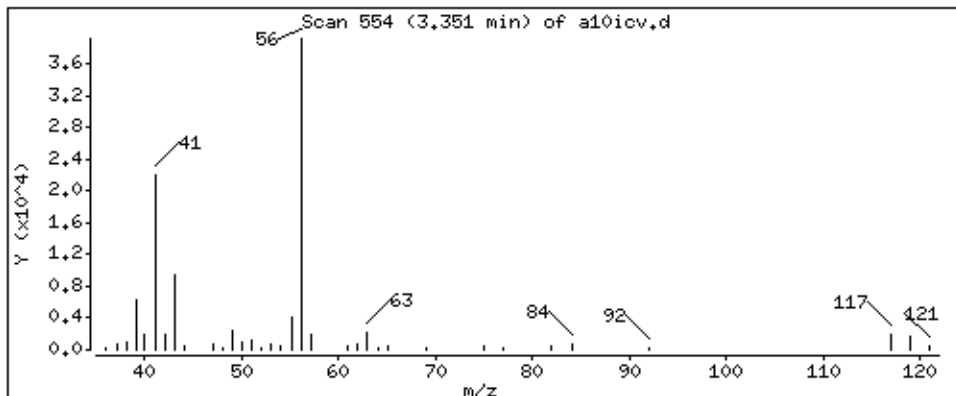
Operator: ala

Column phase: DB-624

Column diameter: 0,18

150 n-Butyl chloride

Concentration: 51.4 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

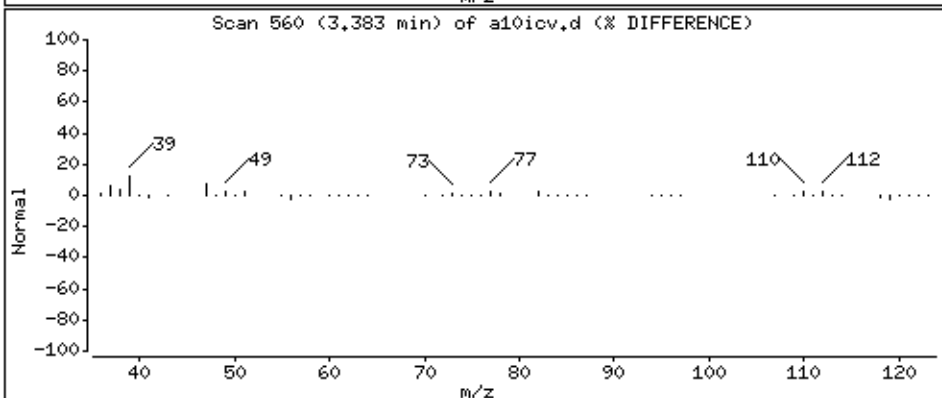
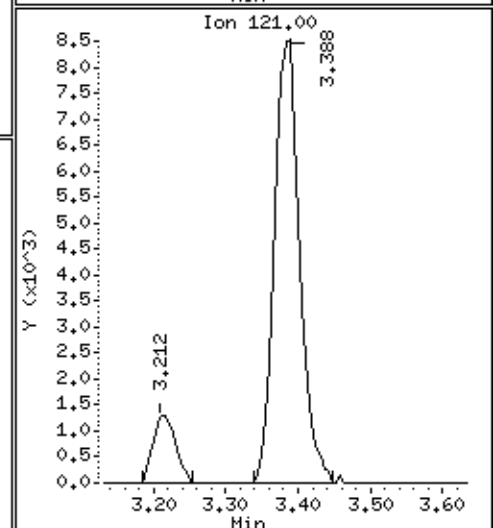
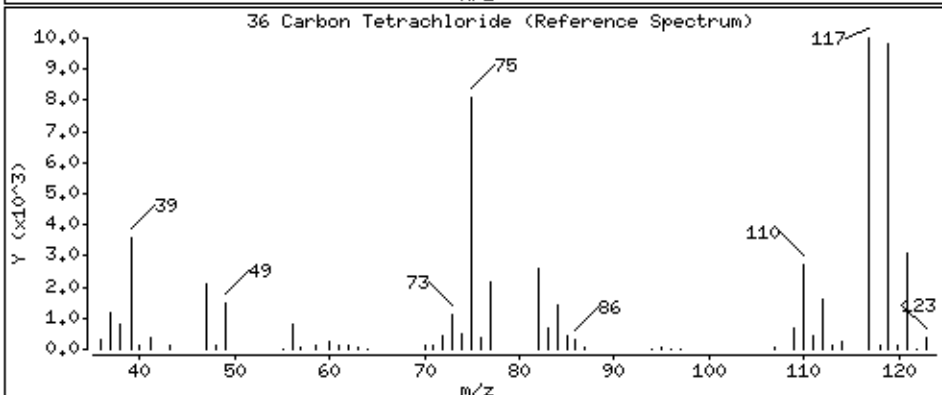
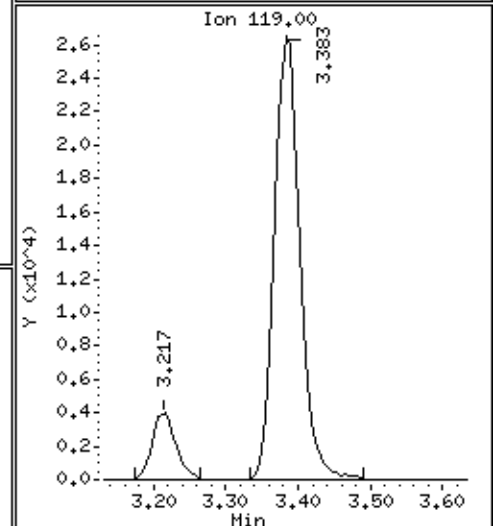
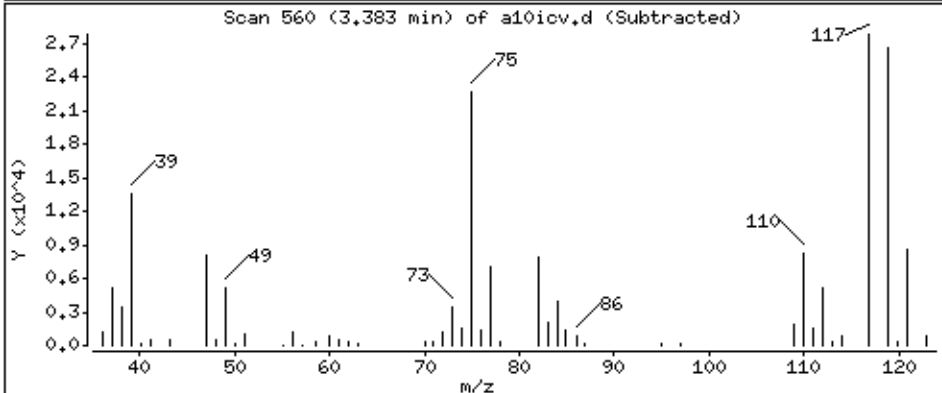
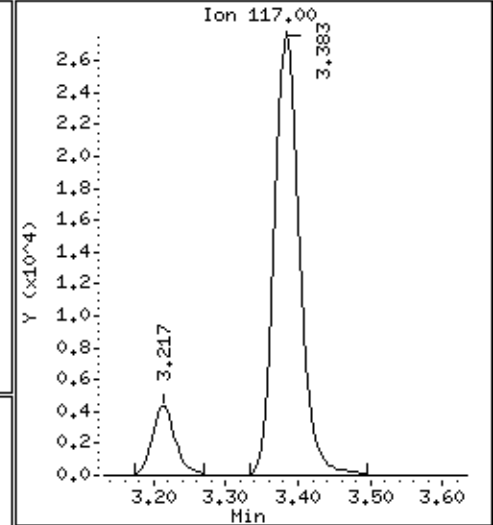
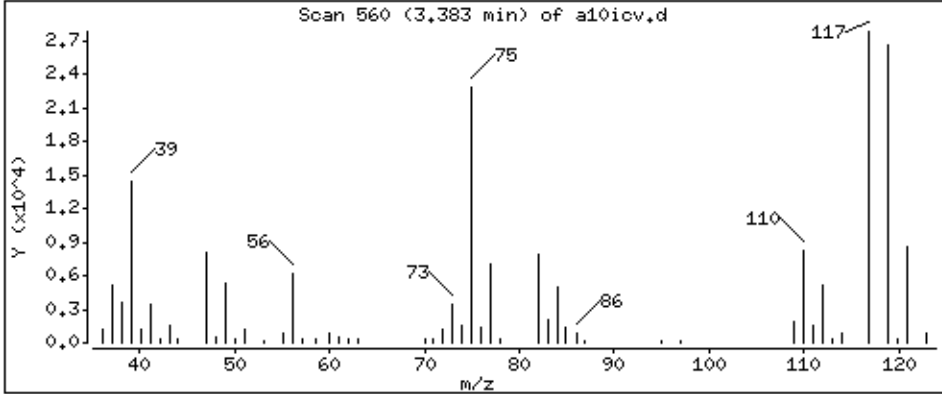
Operator: ala

Column phase: DB-624

Column diameter: 0,18

36 Carbon Tetrachloride

Concentration: 49,8 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855;0

Purge Volume: 5.0

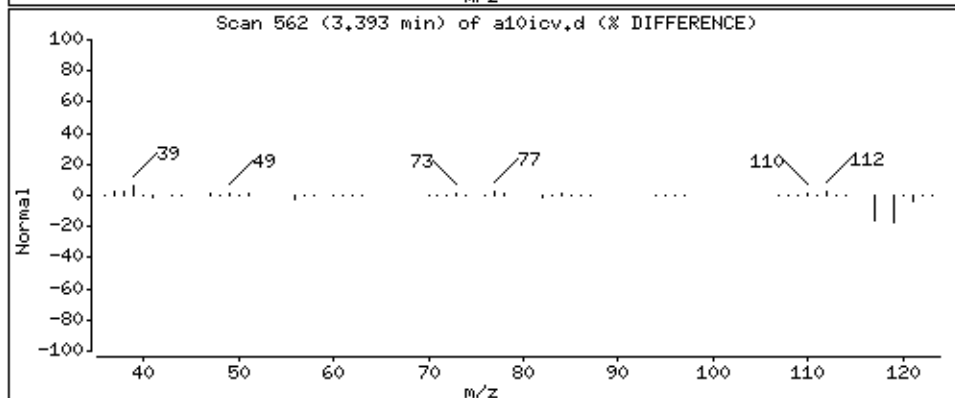
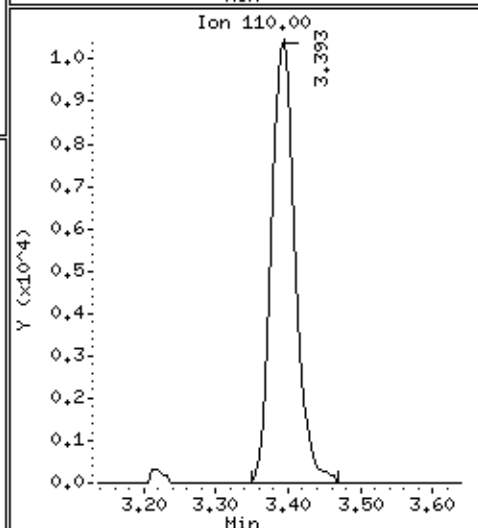
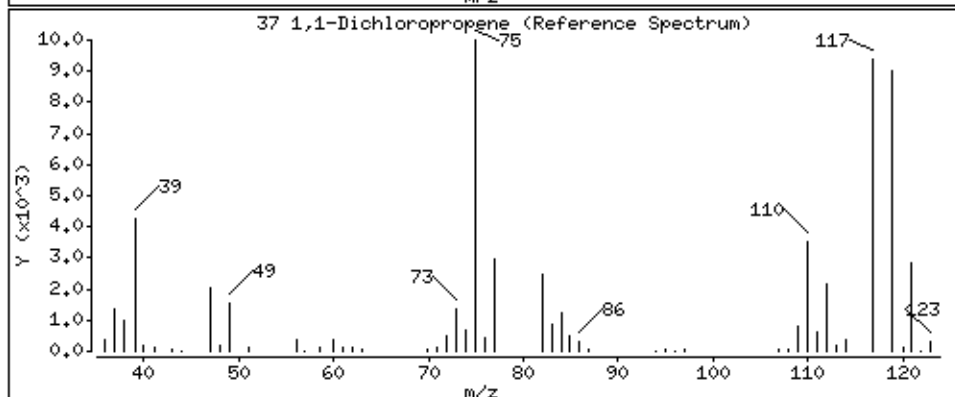
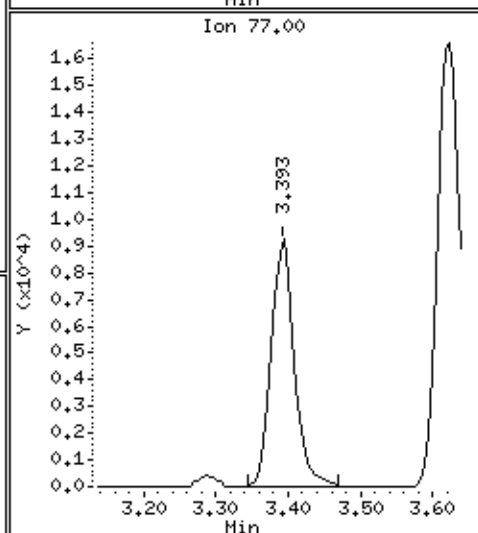
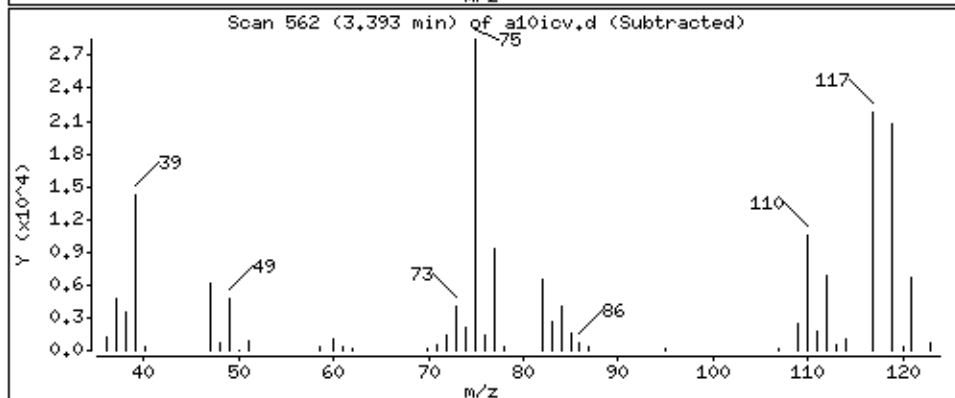
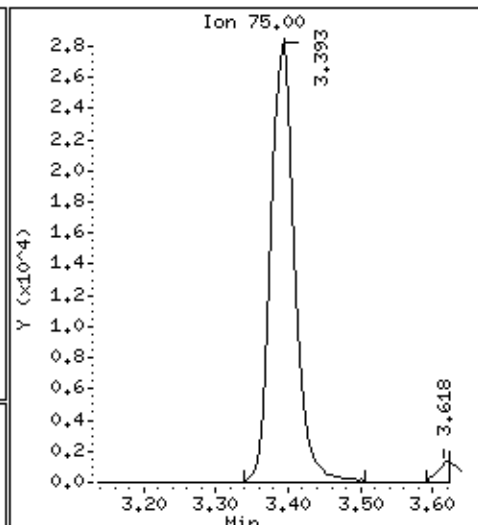
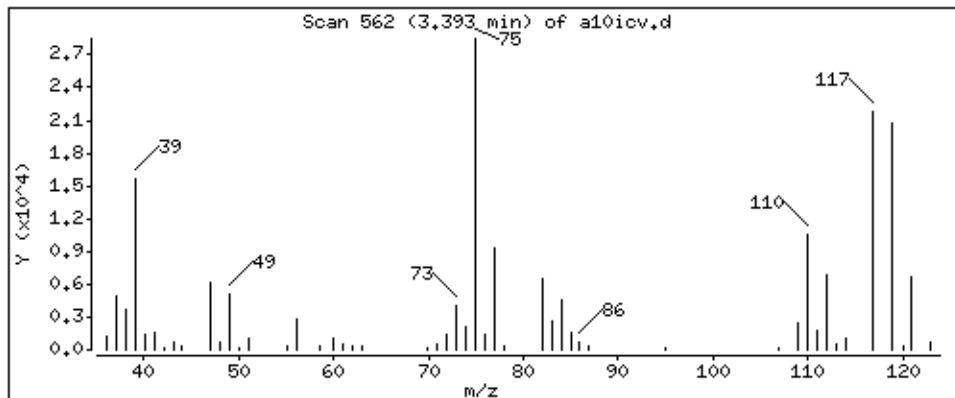
Operator: ala

Column phase: DB-624

Column diameter: 0,18

37 1,1-Dichloropropene

Concentration: 50,5 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855;0

Purge Volume: 5.0

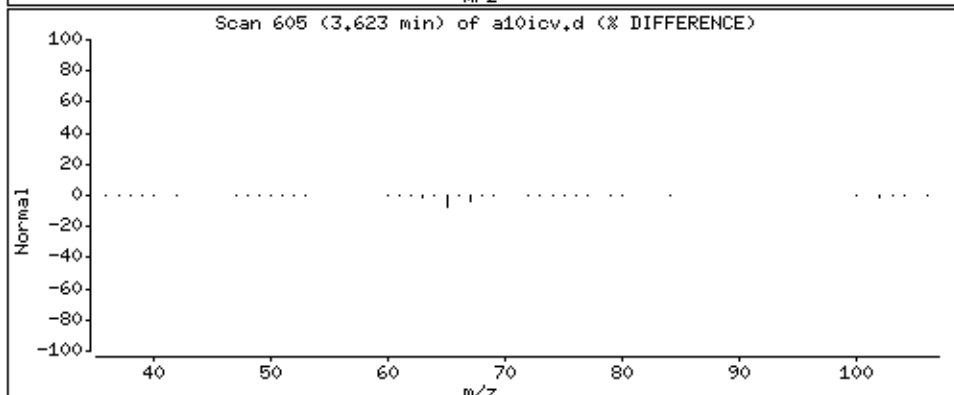
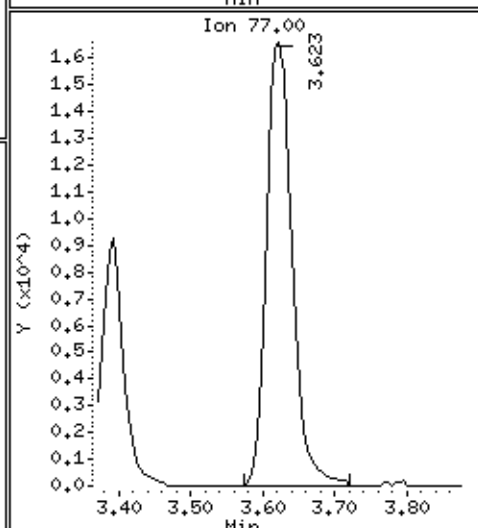
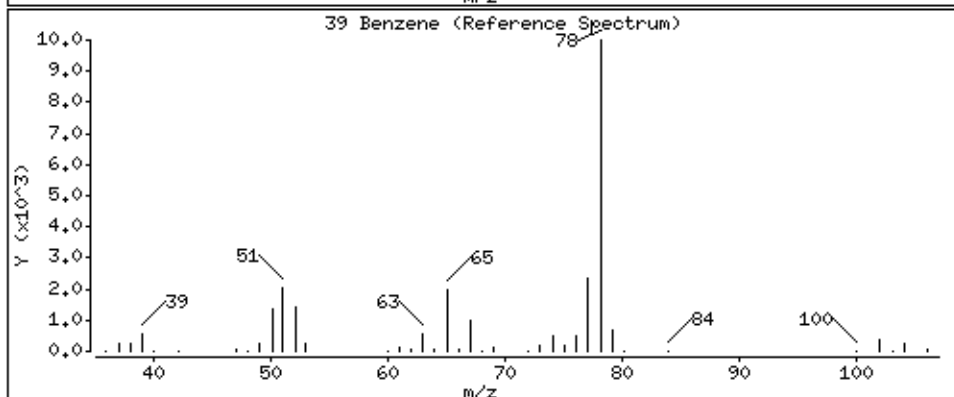
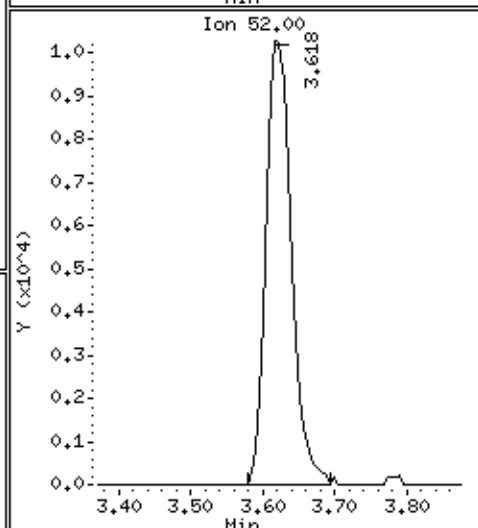
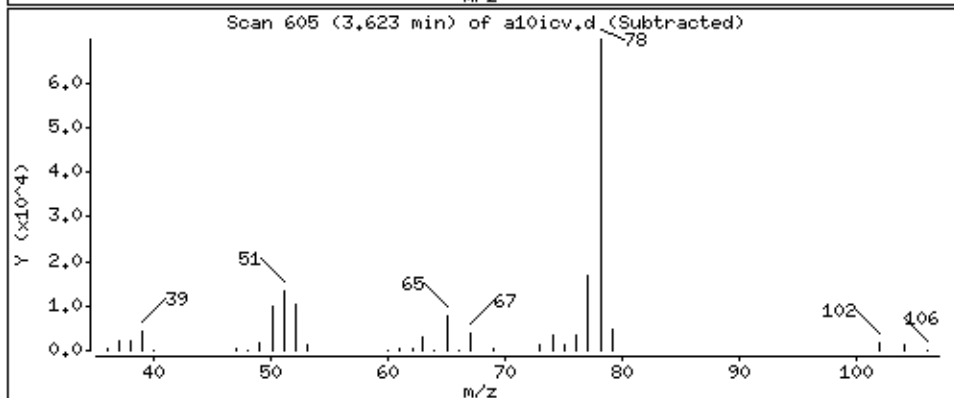
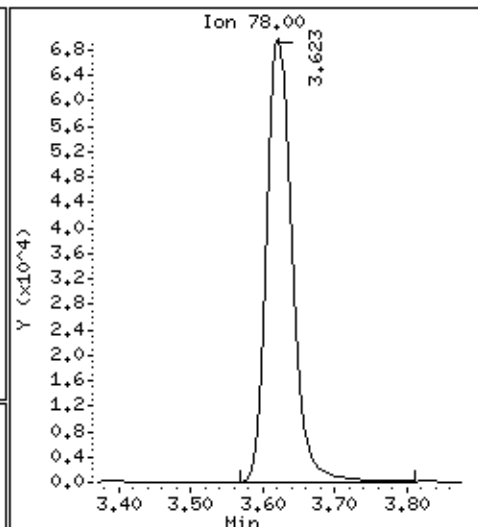
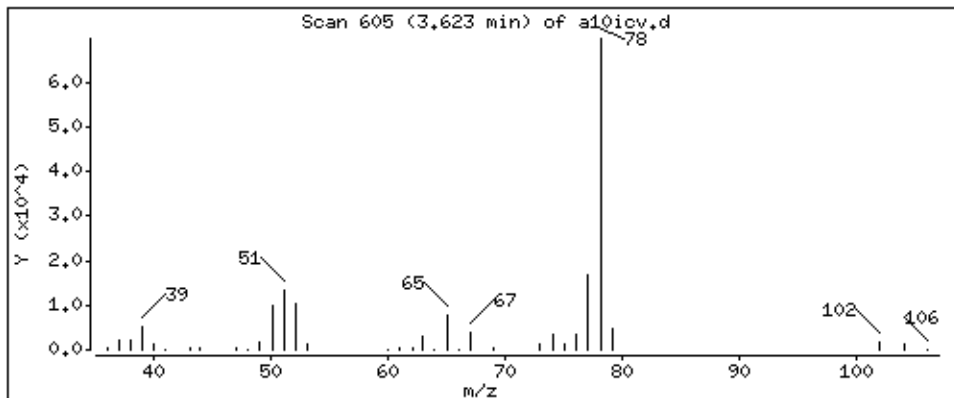
Operator: ala

Column phase: DB-624

Column diameter: 0,18

39 Benzene

Concentration: 48,5 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

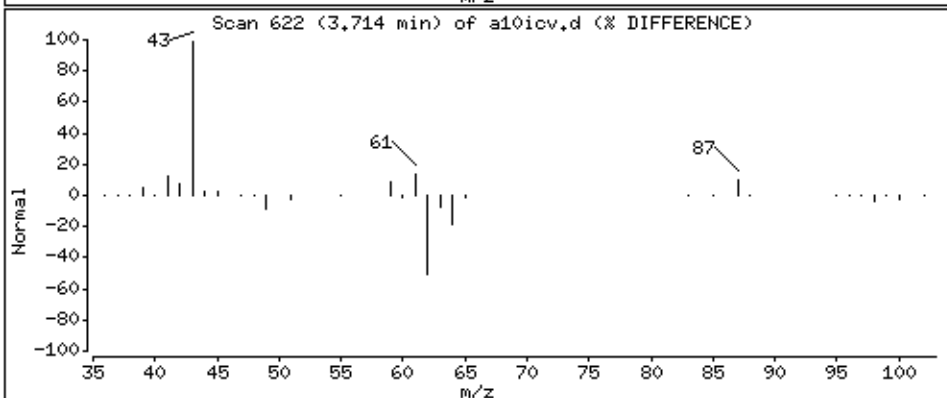
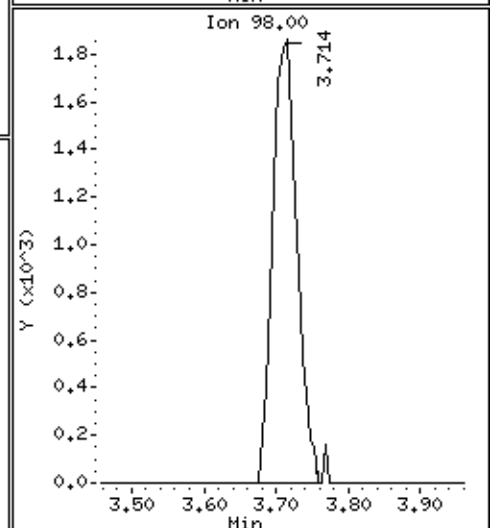
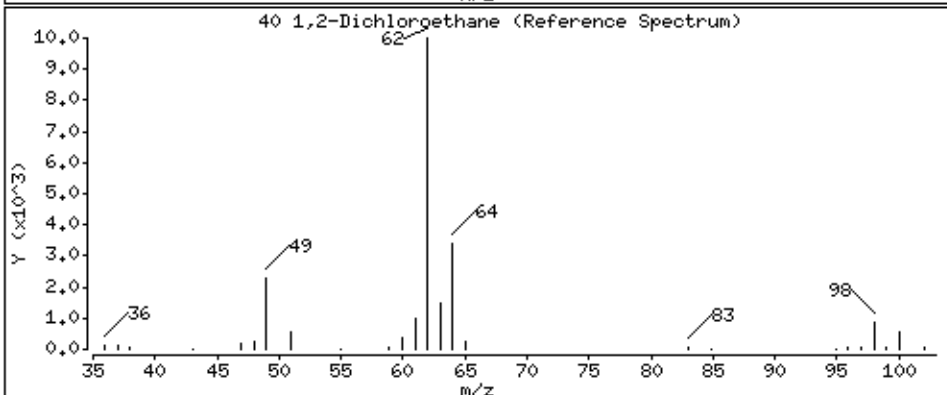
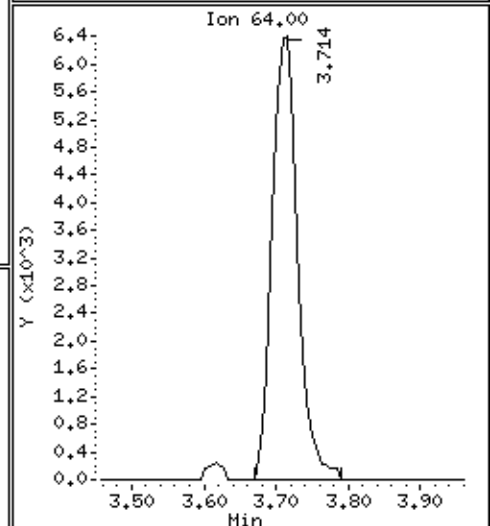
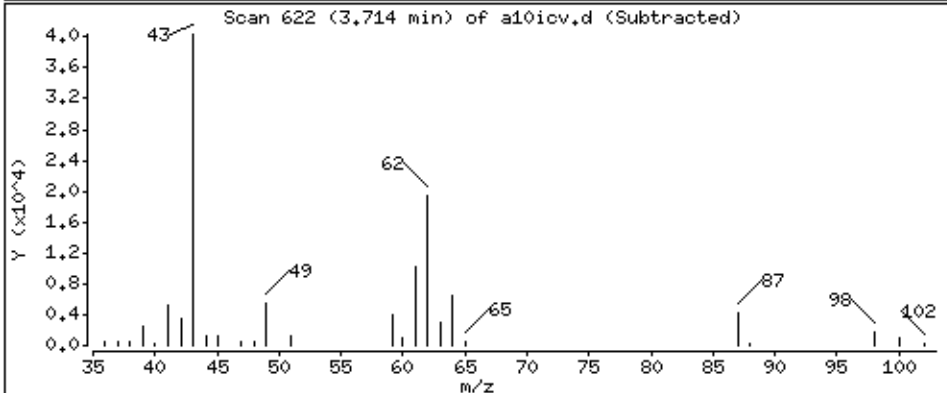
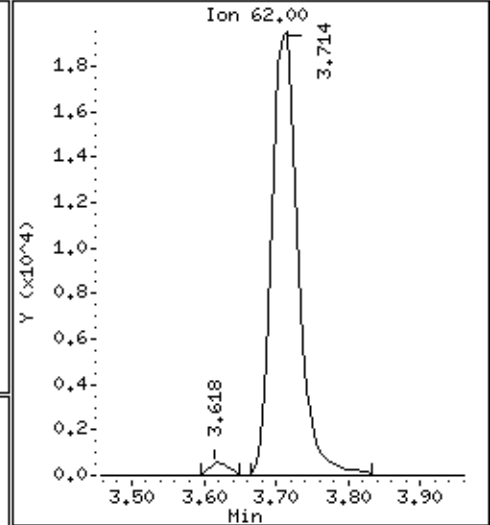
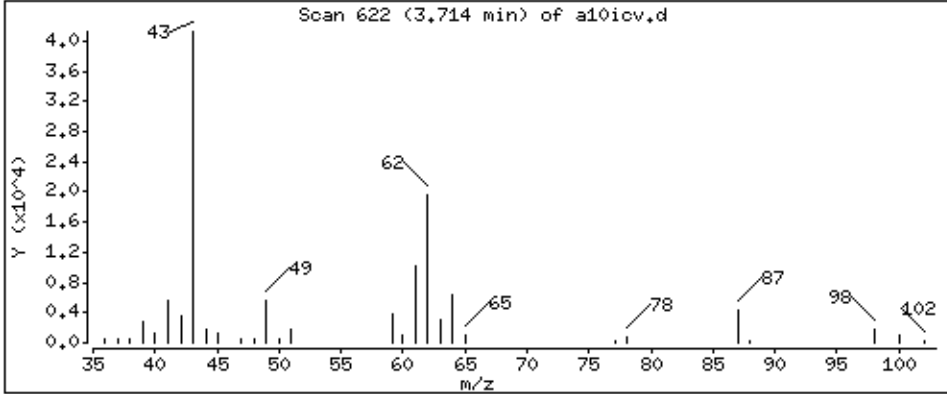
Operator: ala

Column phase: DB-624

Column diameter: 0,18

40 1,2-Dichloroethane

Concentration: 47.6 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

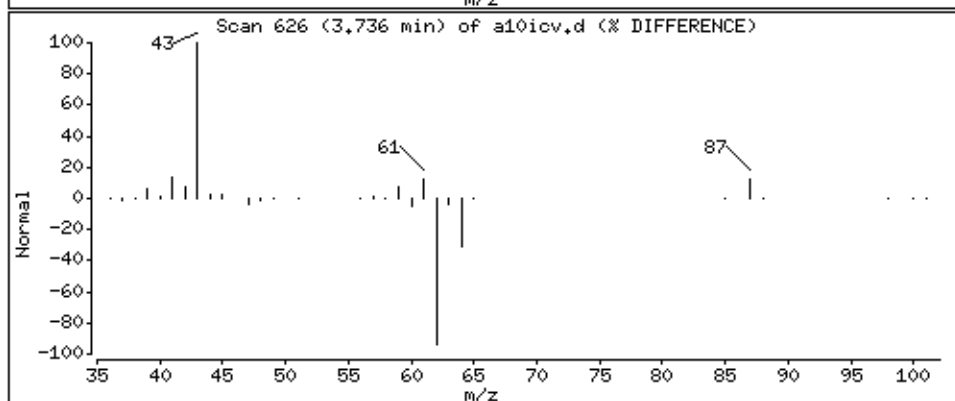
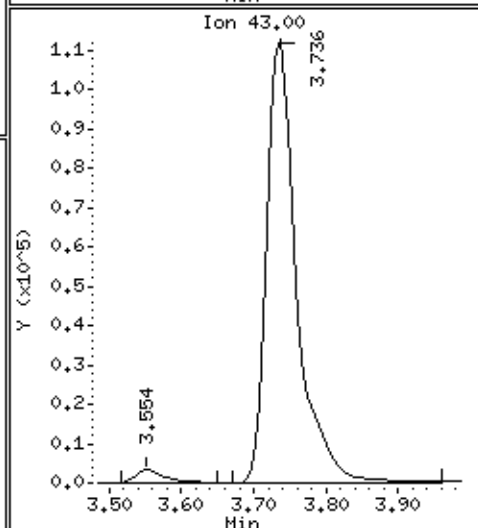
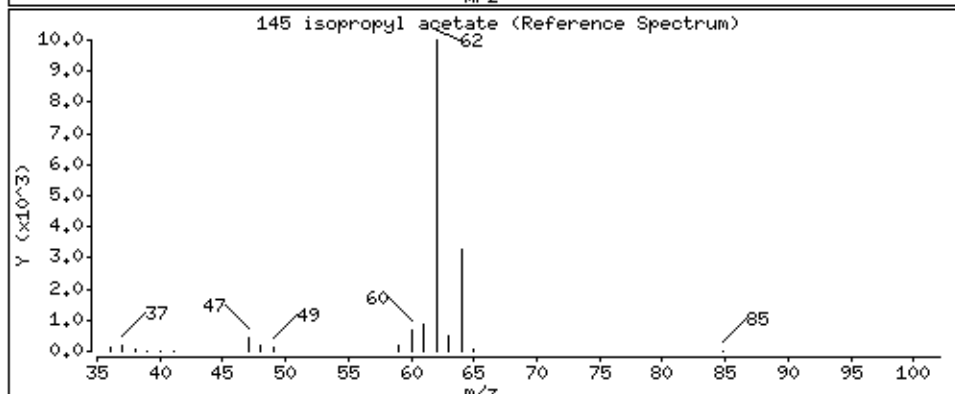
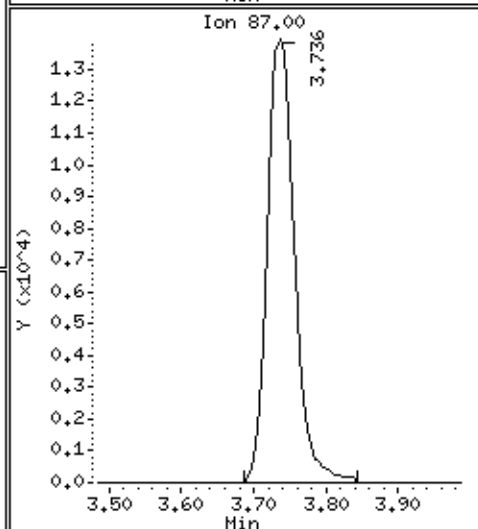
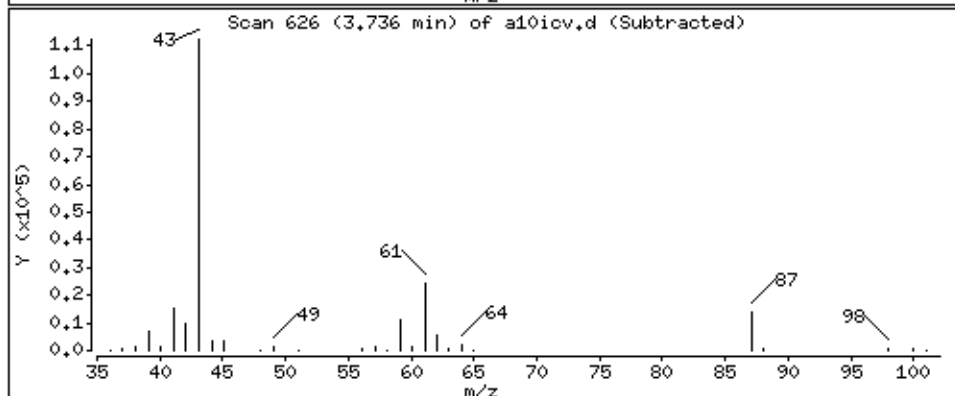
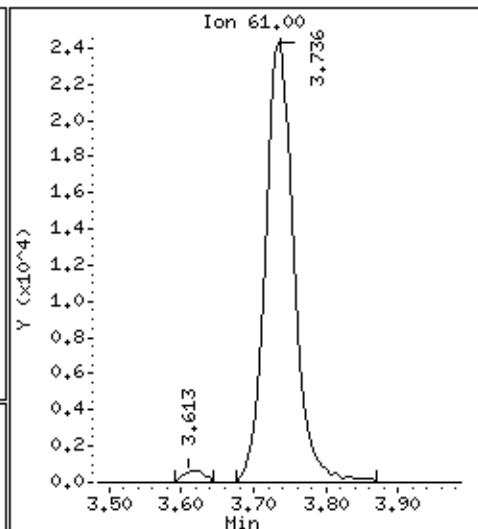
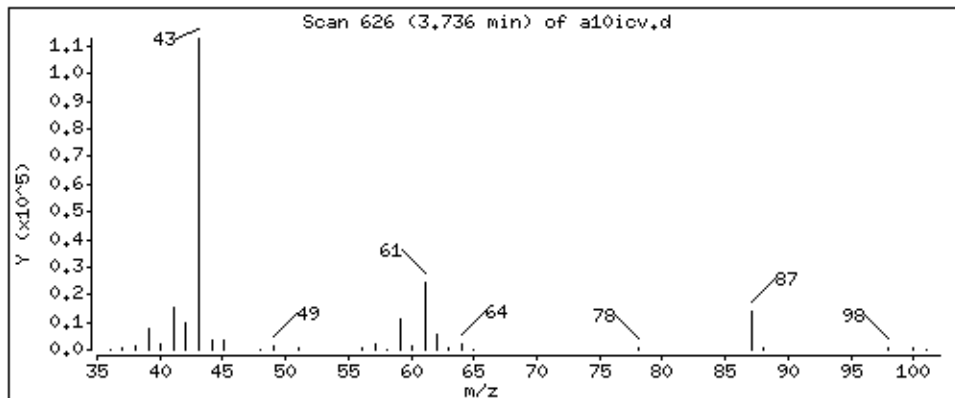
Operator: ala

Column phase: DB-624

Column diameter: 0,18

145 isopropyl acetate

Concentration: 256 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

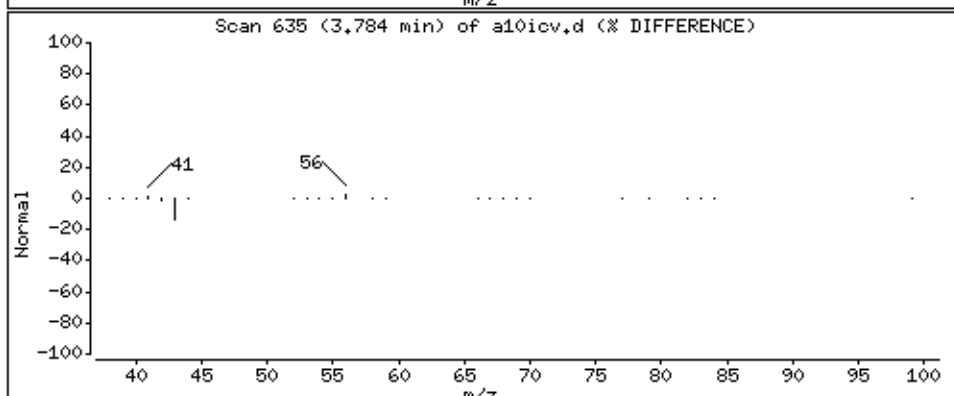
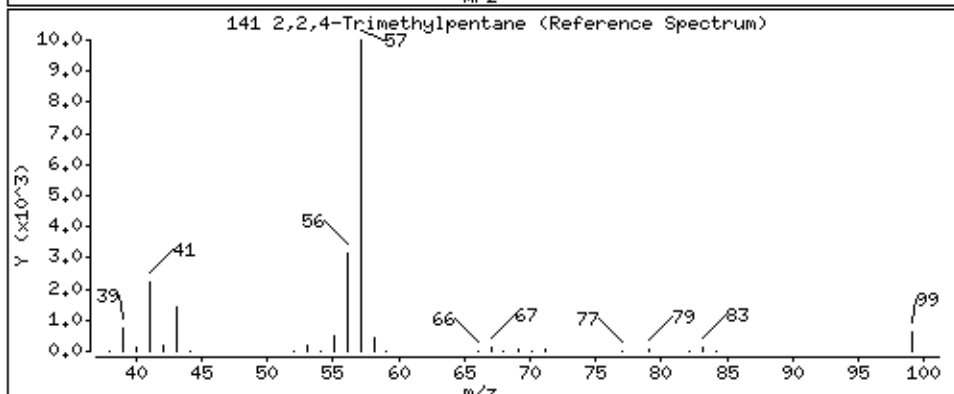
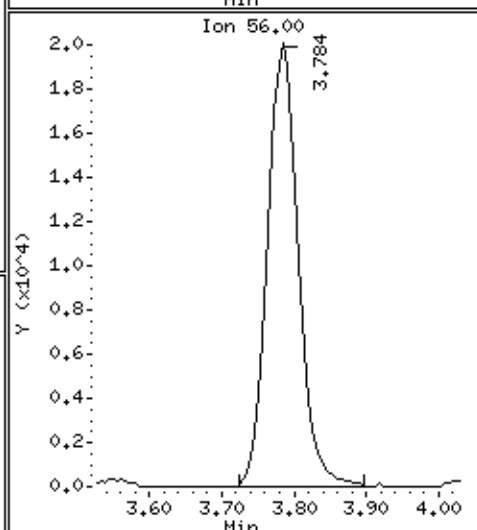
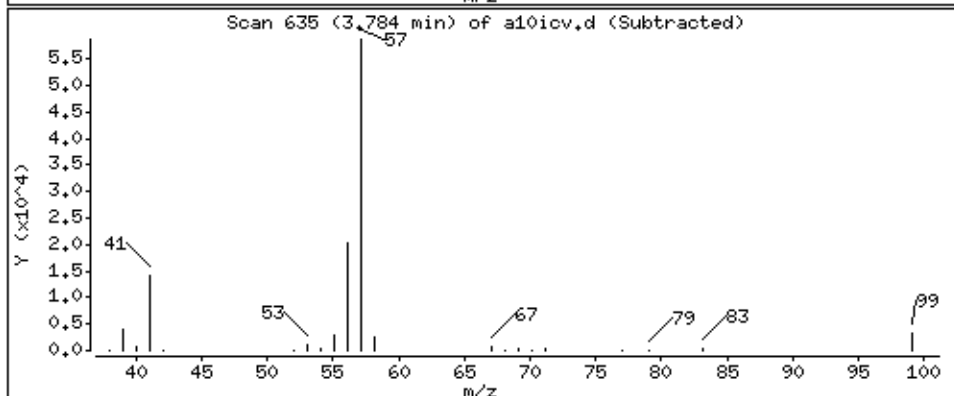
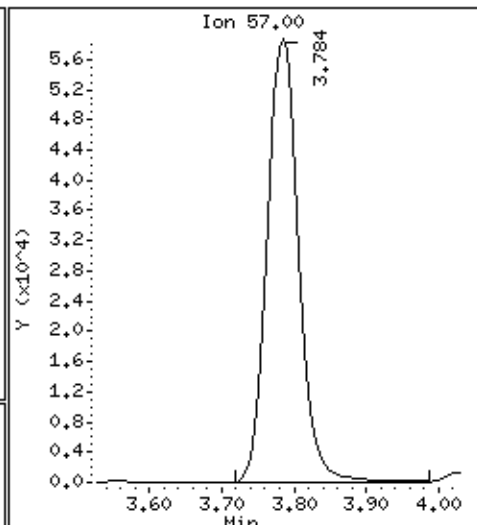
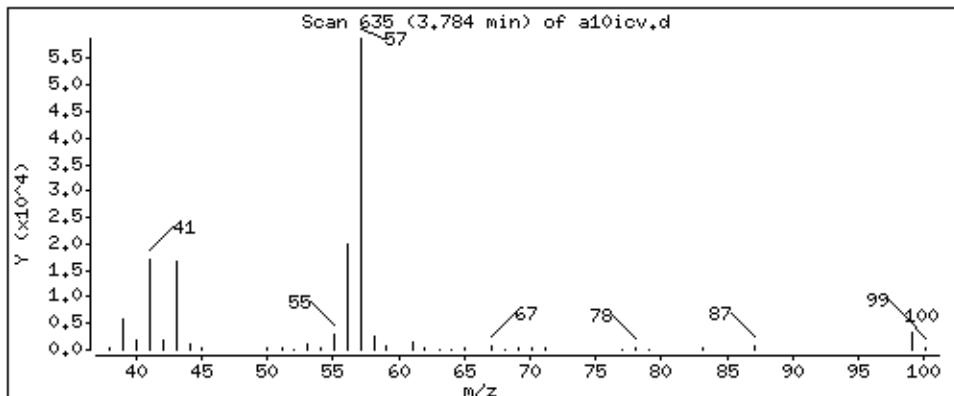
Operator: ala

Column phase: DB-624

Column diameter: 0.18

141 2,2,4-Trimethylpentane

Concentration: 58.9 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

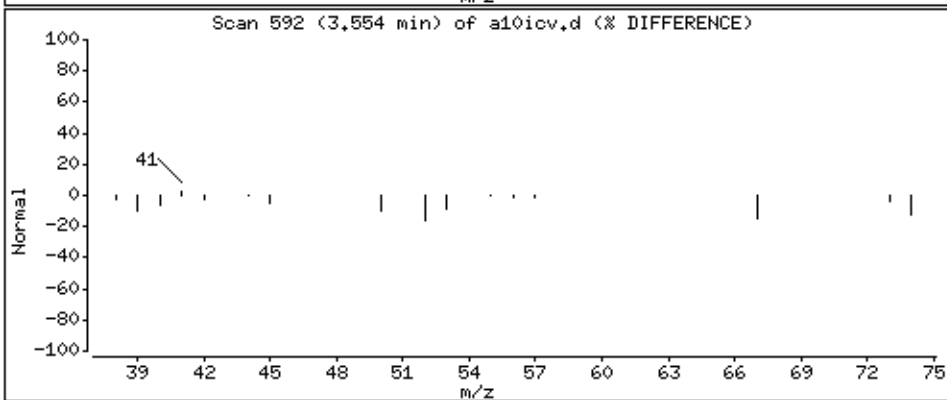
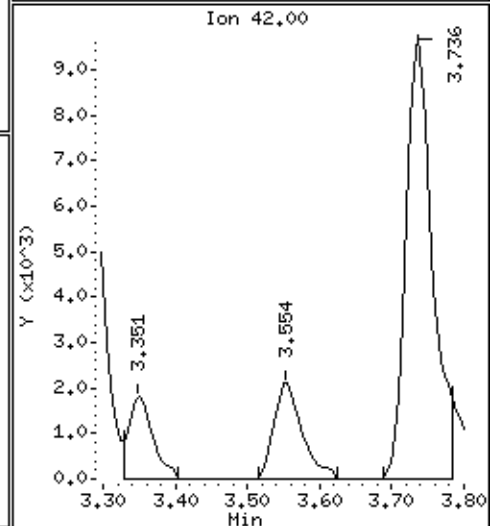
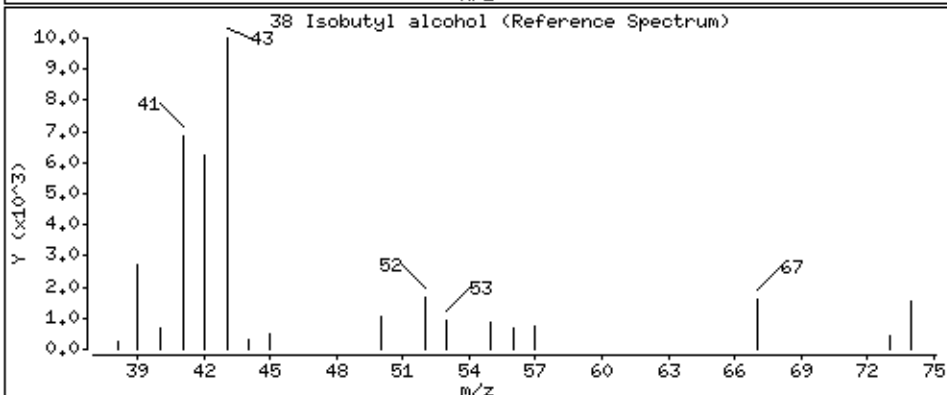
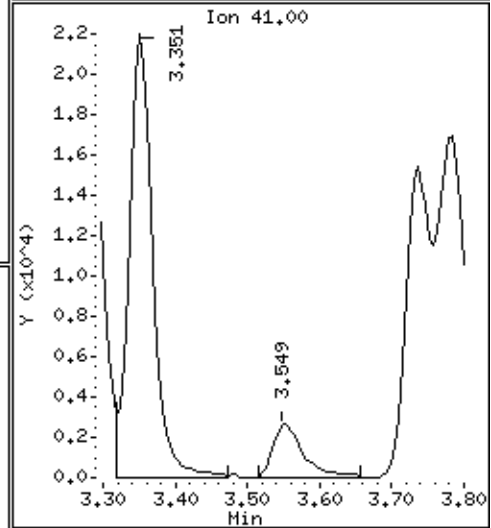
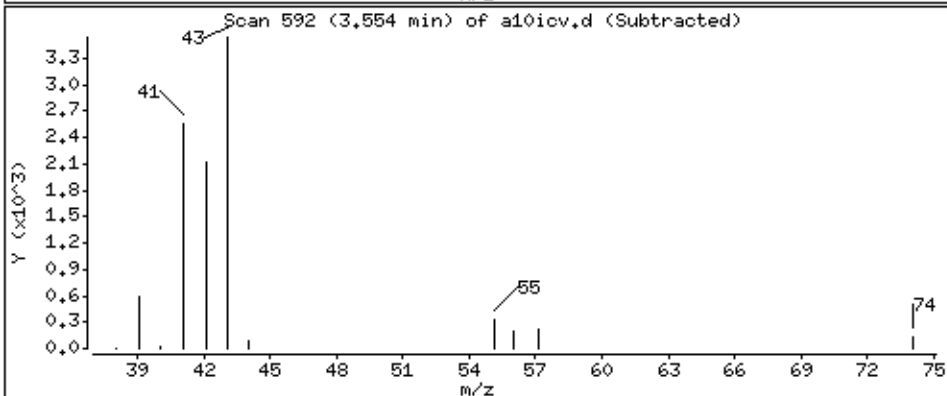
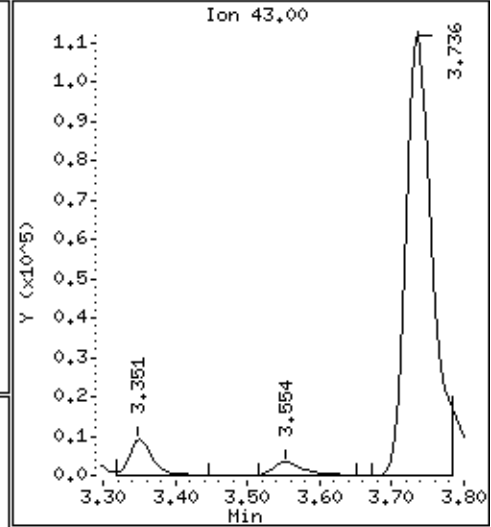
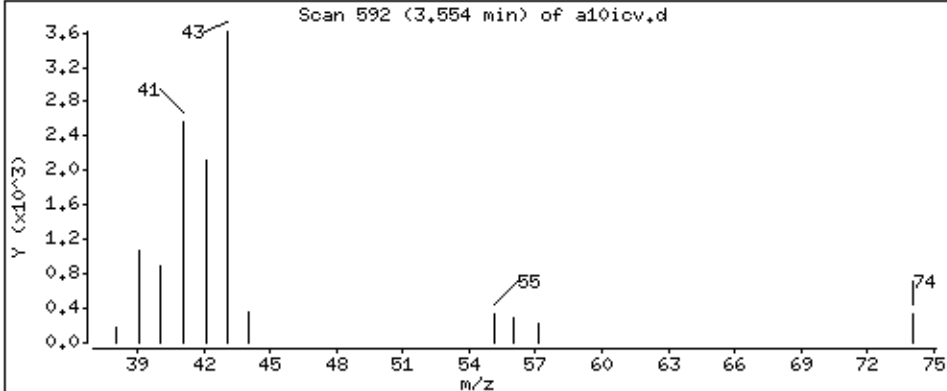
Operator: ala

Column phase: DB-624

Column diameter: 0.18

38 Isobutyl alcohol

Concentration: 238 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

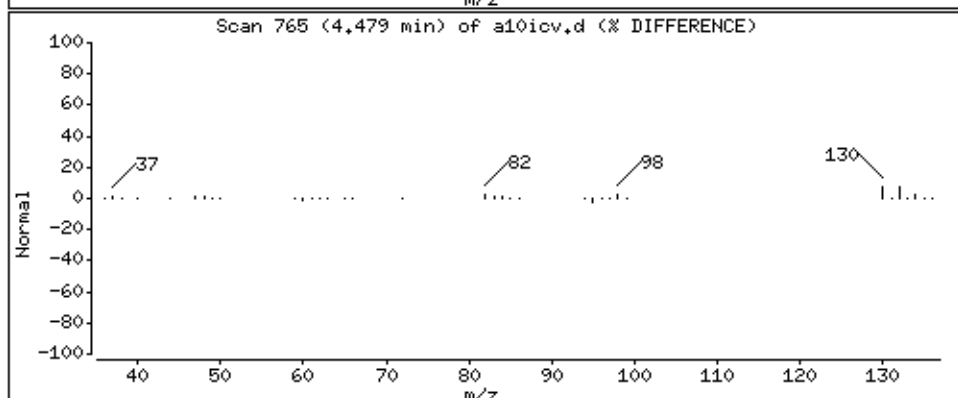
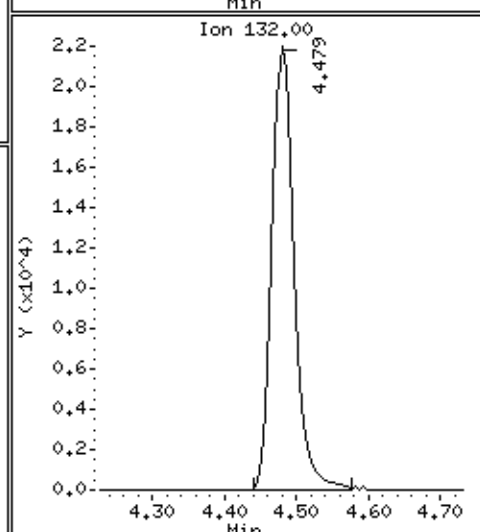
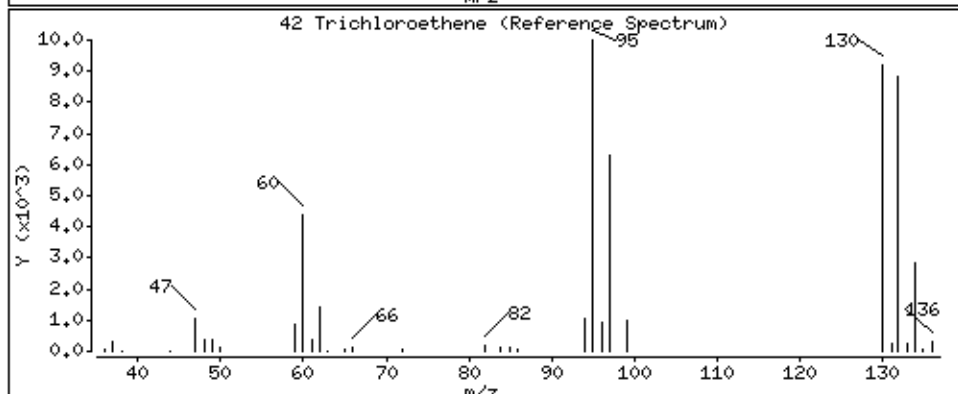
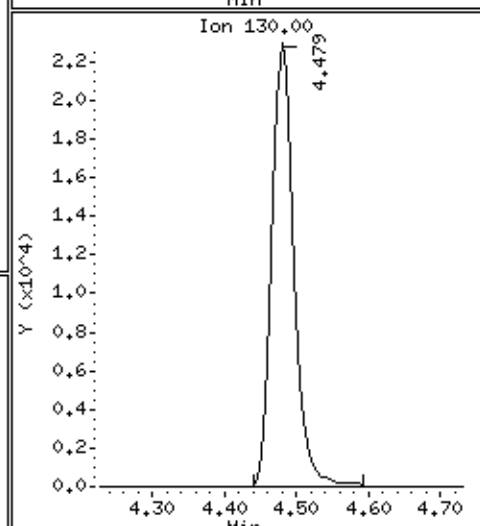
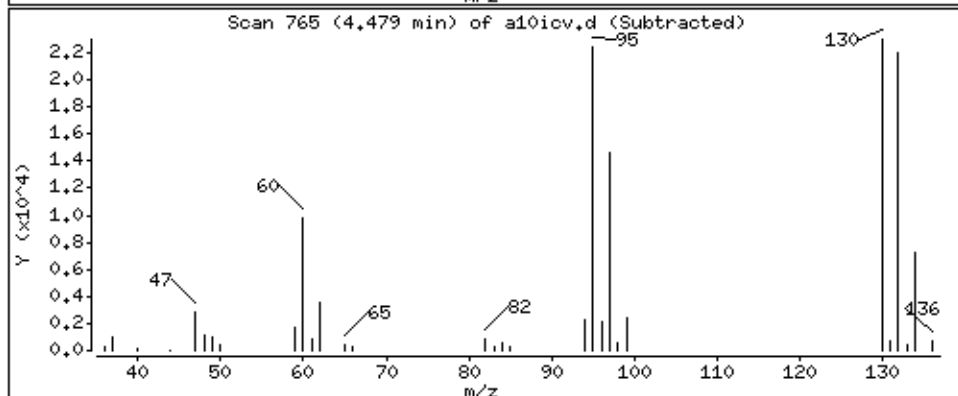
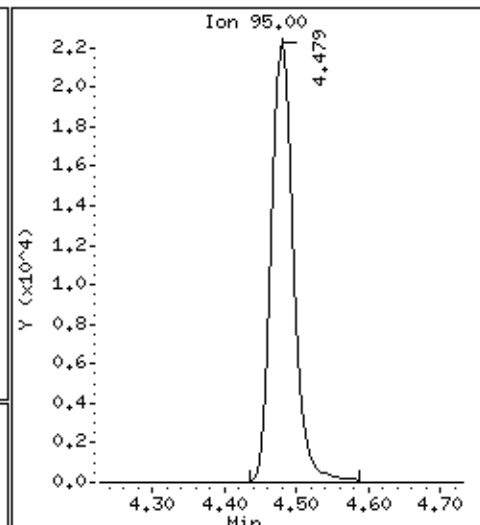
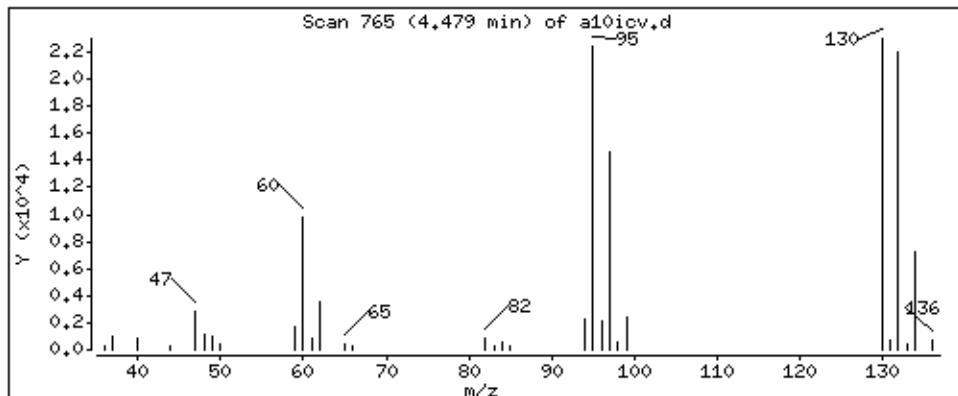
Operator: ala

Column phase: DB-624

Column diameter: 0,18

42 Trichloroethene

Concentration: 50,7 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

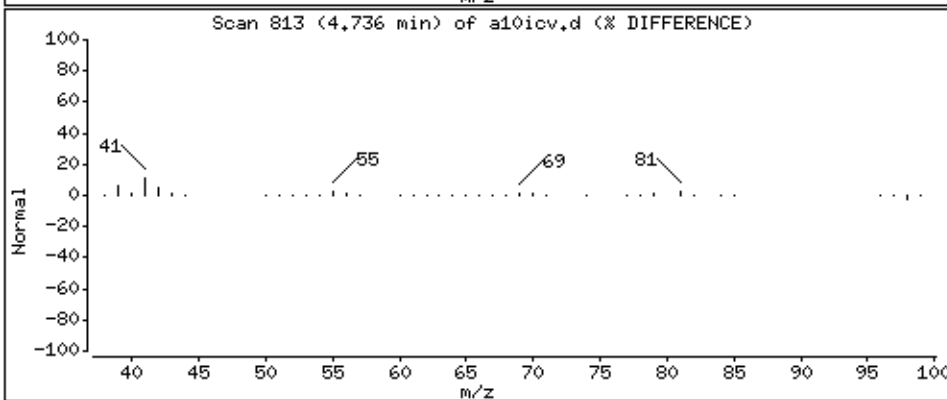
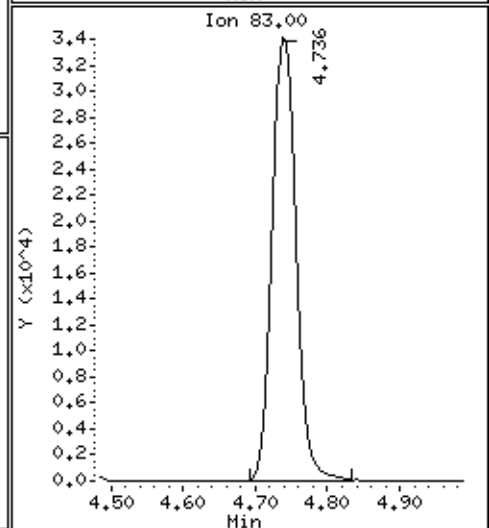
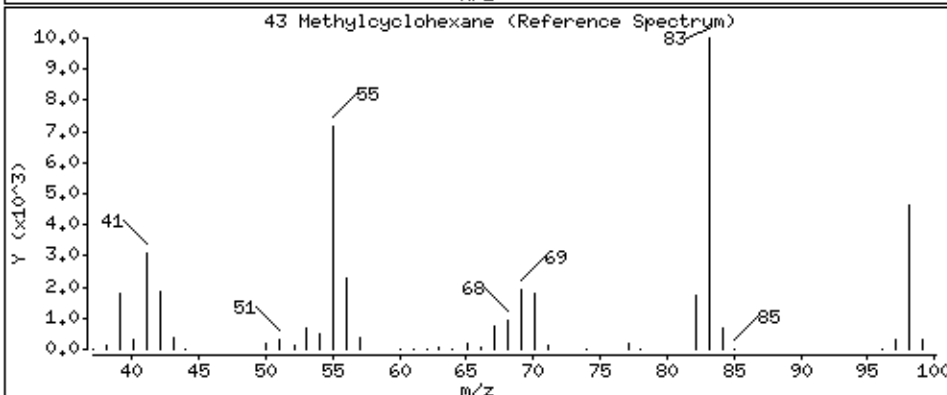
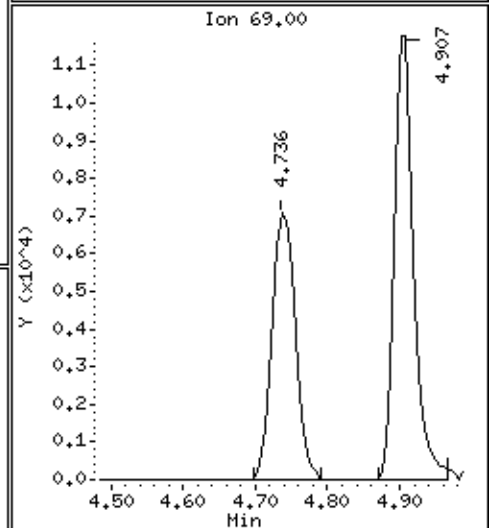
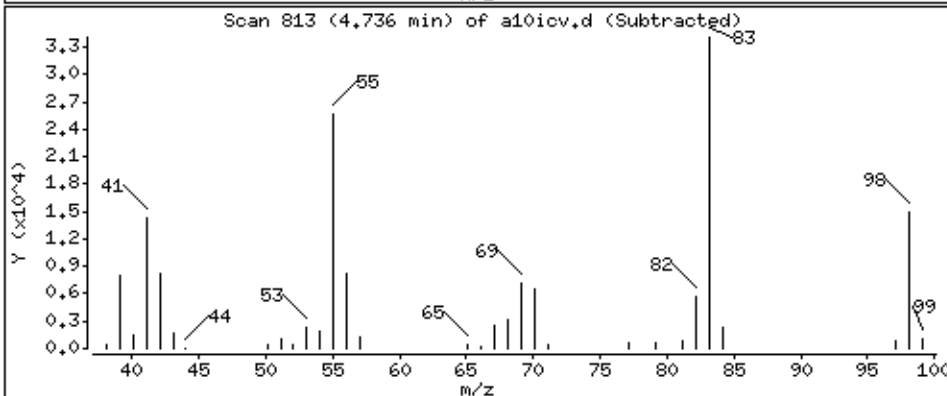
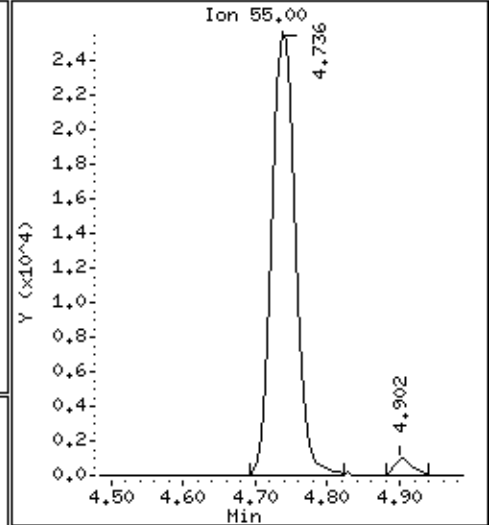
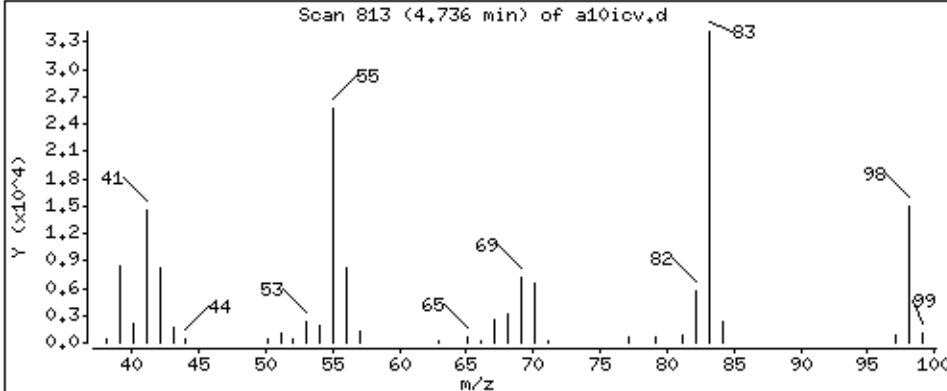
Operator: ala

Column phase: DB-624

Column diameter: 0.18

43 Methylcyclohexane

Concentration: 46.2 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

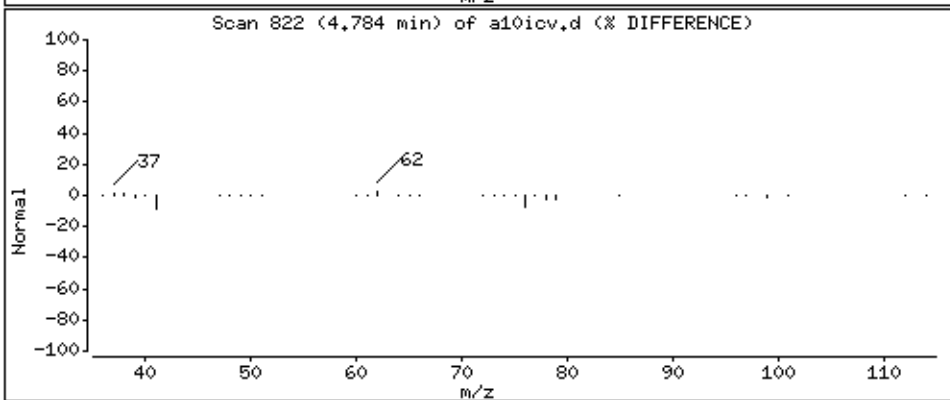
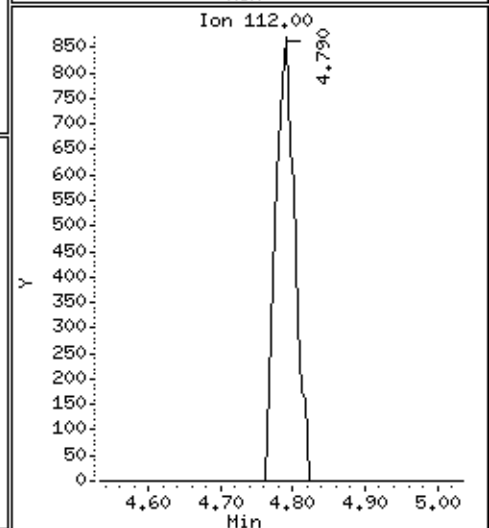
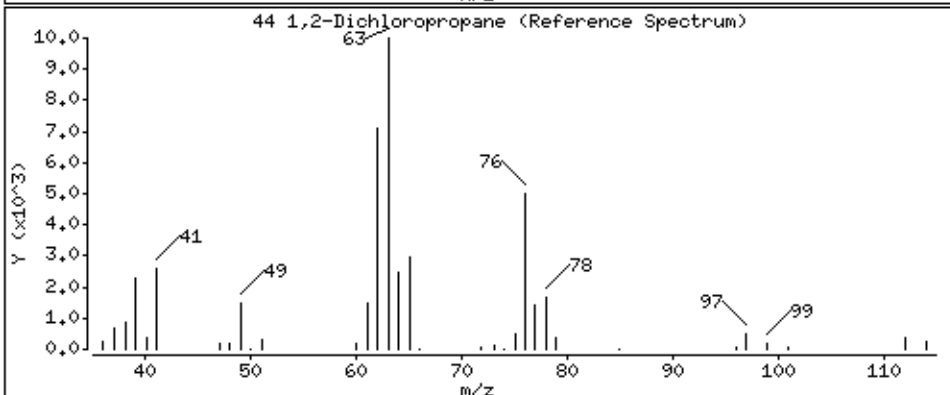
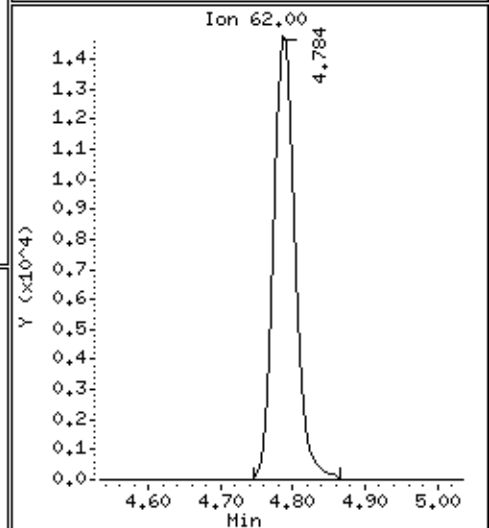
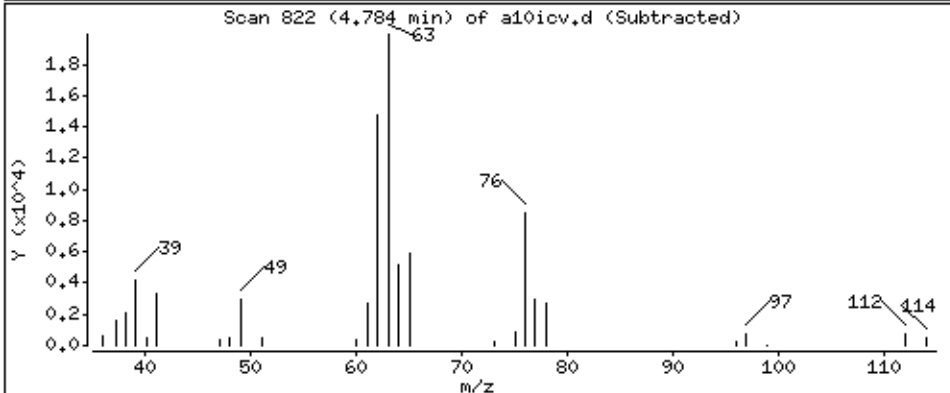
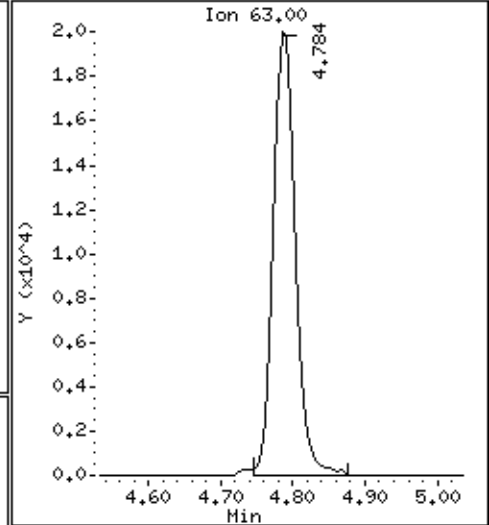
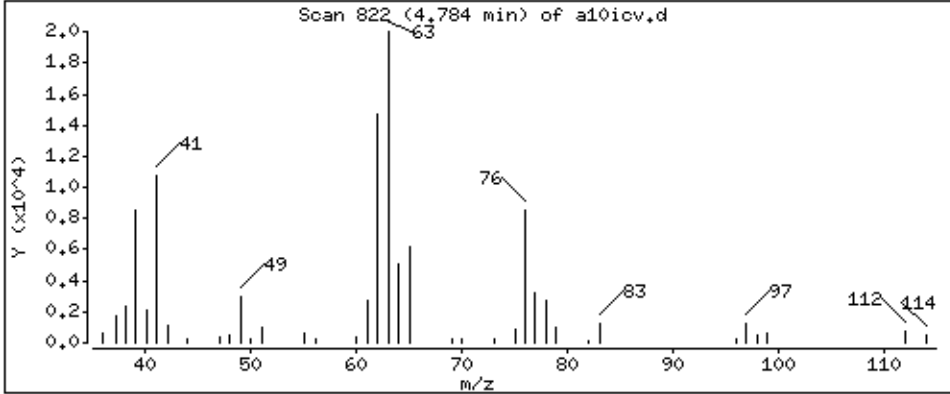
Operator: ala

Column phase: DB-624

Column diameter: 0,18

44 1,2-Dichloropropane

Concentration: 49.4 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

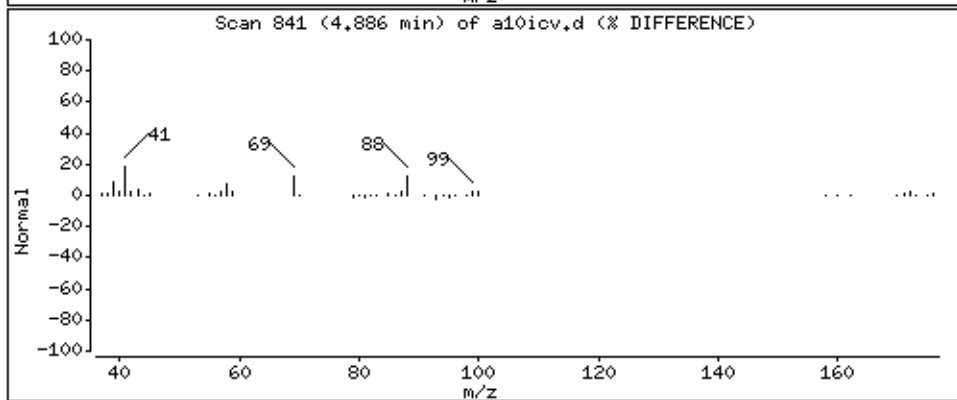
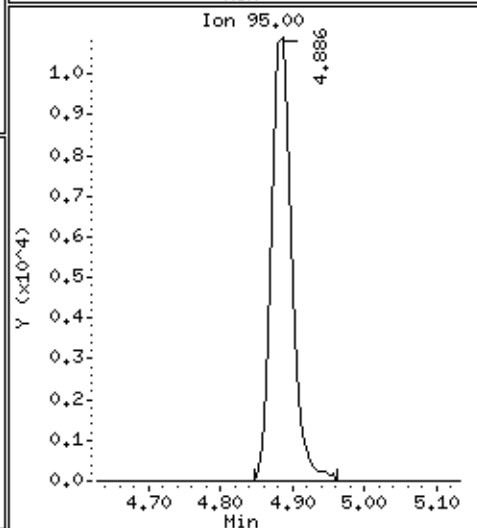
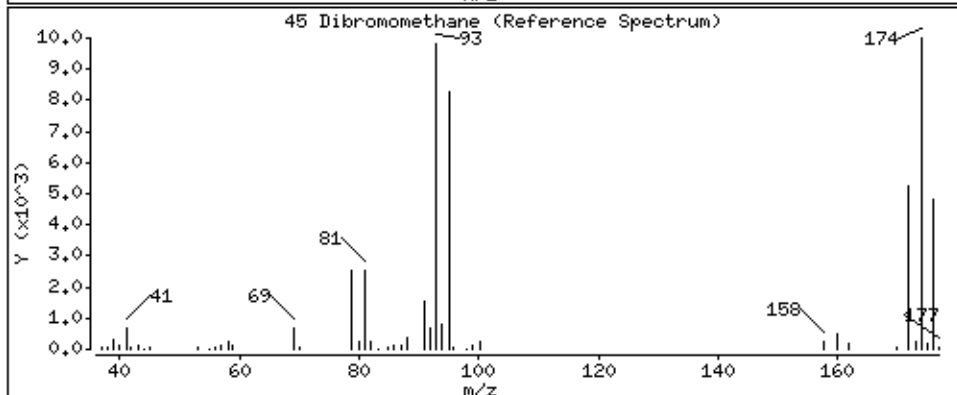
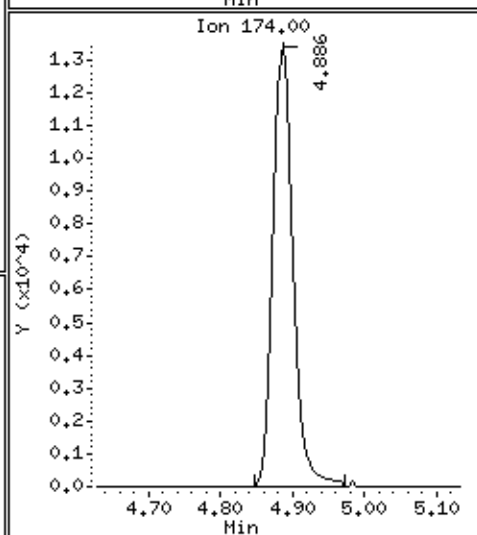
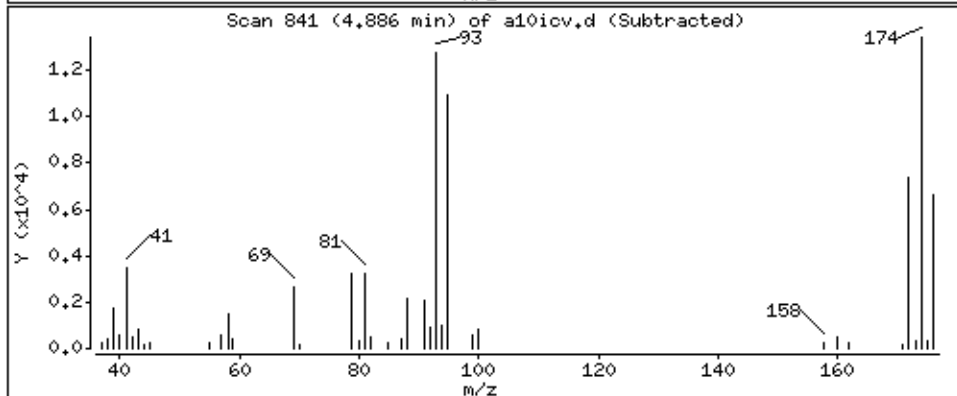
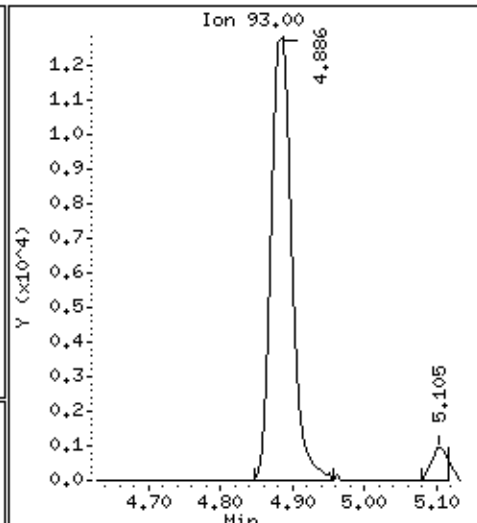
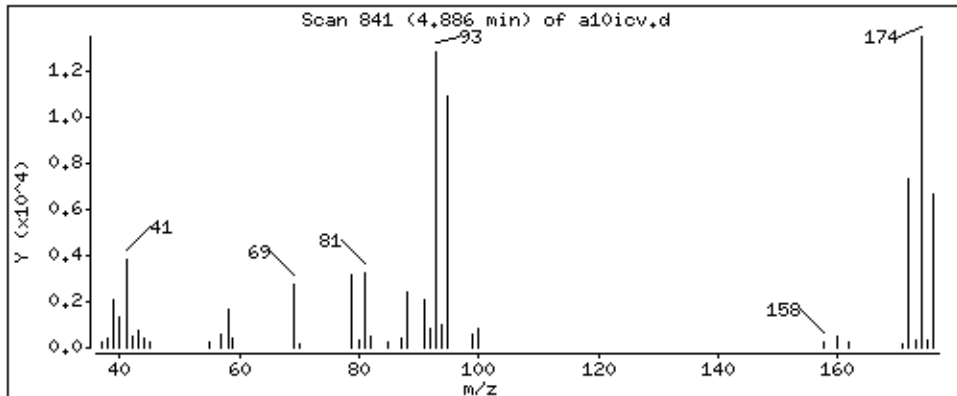
Operator: ala

Column phase: DB-624

Column diameter: 0,18

45 Dibromomethane

Concentration: 51.0 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

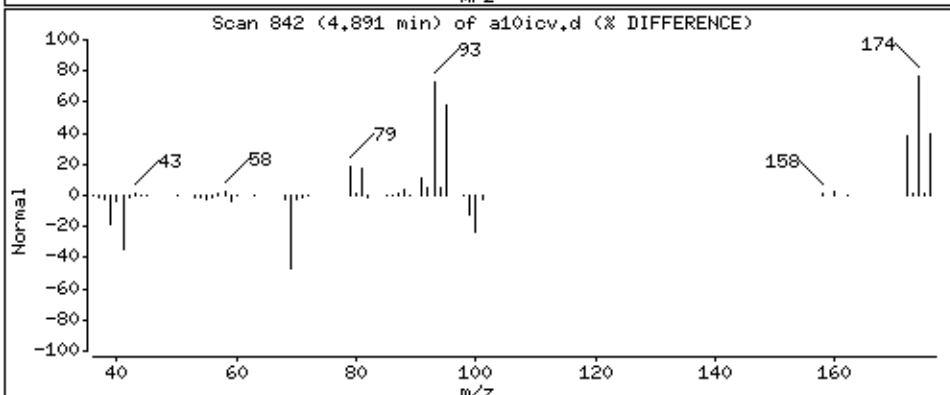
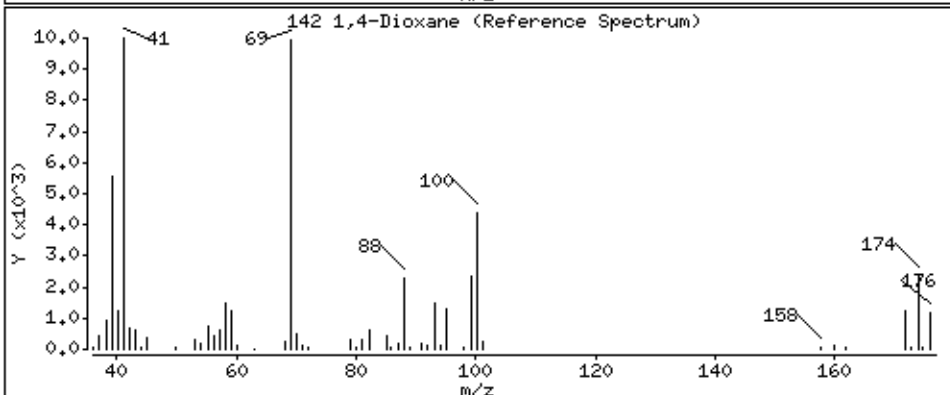
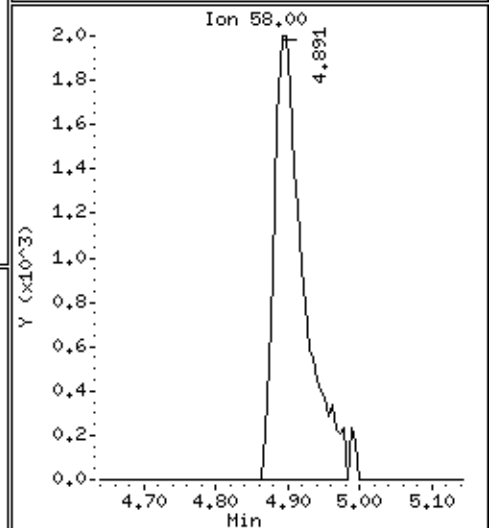
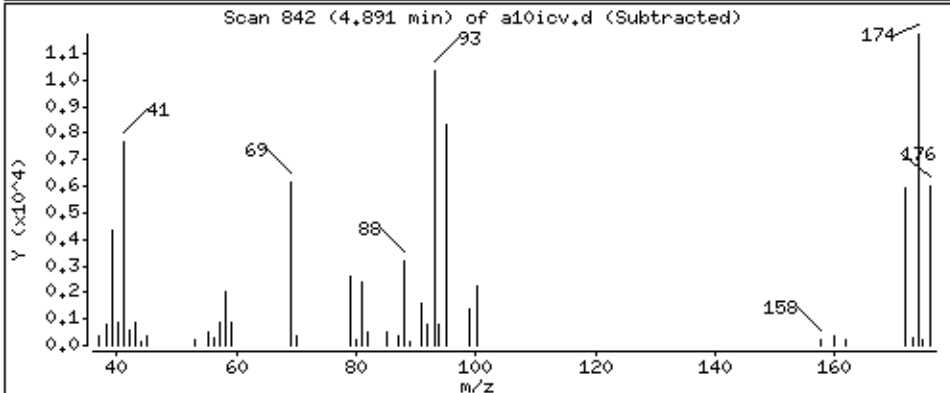
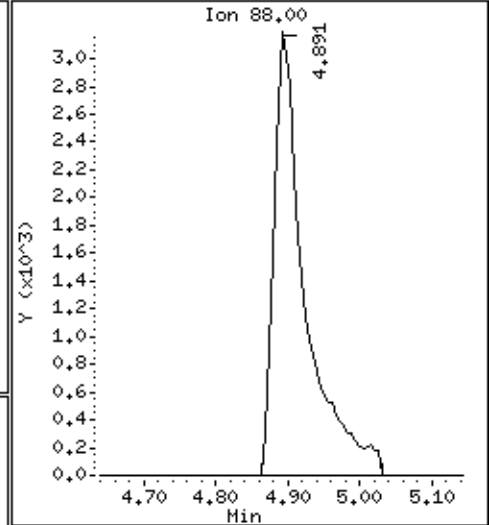
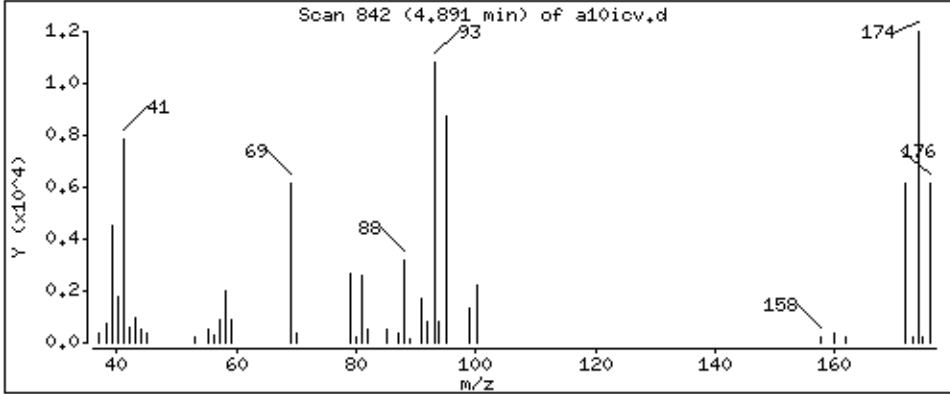
Operator: ala

Column phase: DB-624

Column diameter: 0,18

142 1,4-Dioxane

Concentration: 918 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

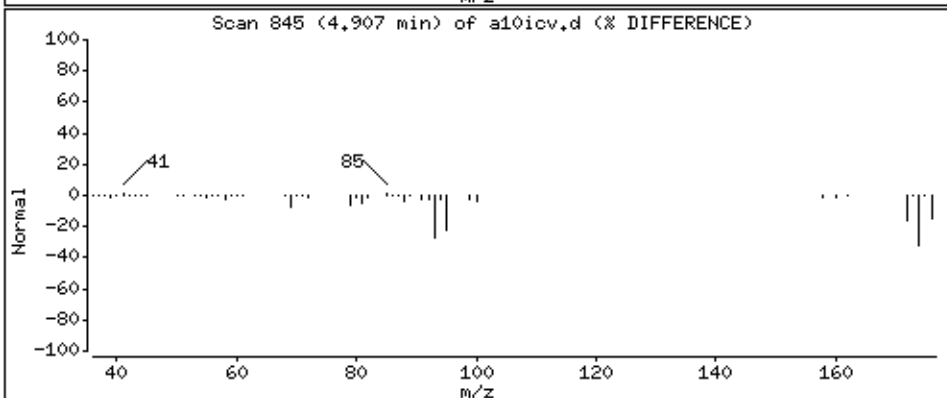
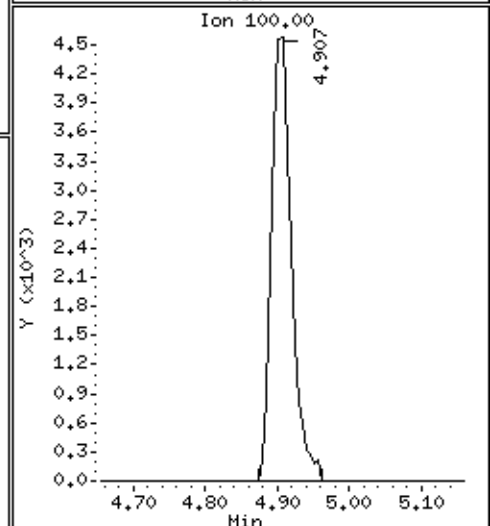
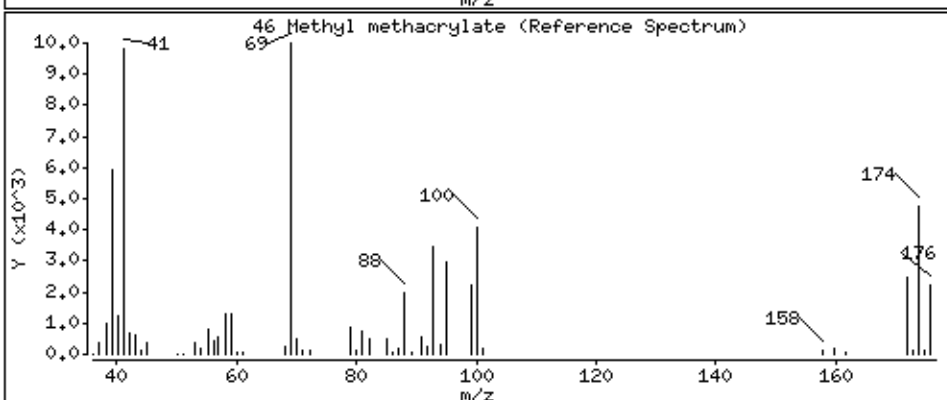
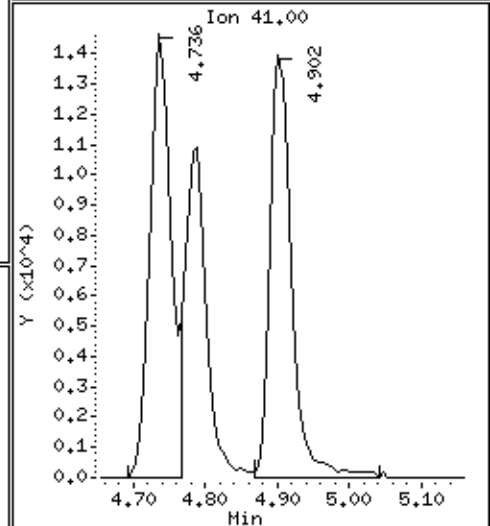
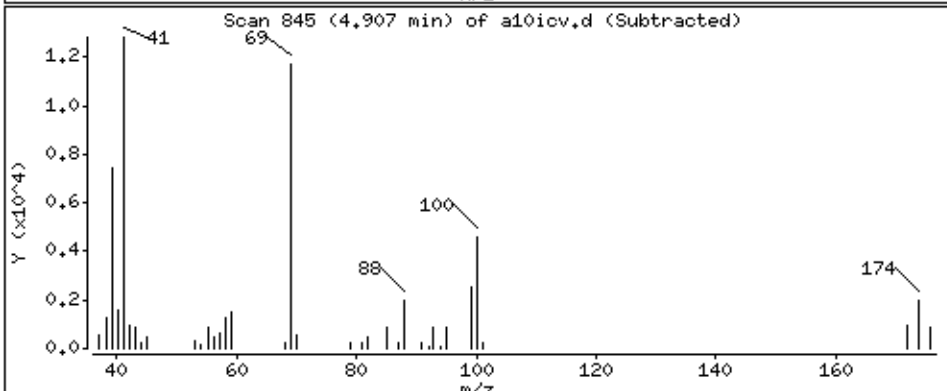
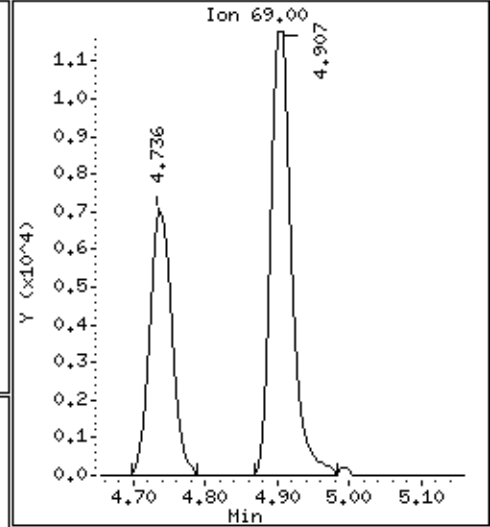
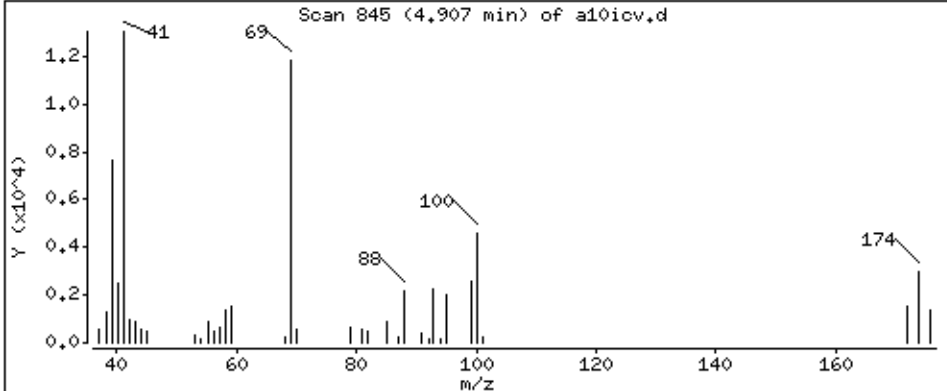
Operator: ala

Column phase: DB-624

Column diameter: 0,18

46 Methyl methacrylate

Concentration: 45,4 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

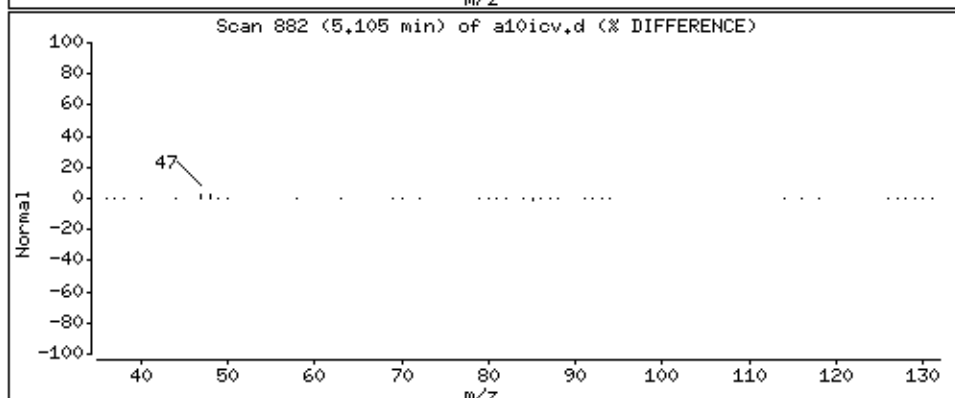
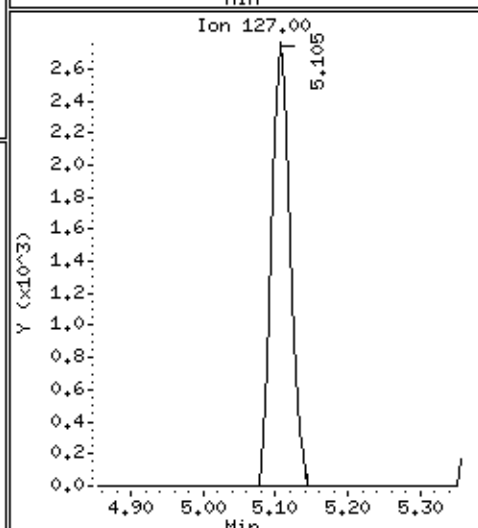
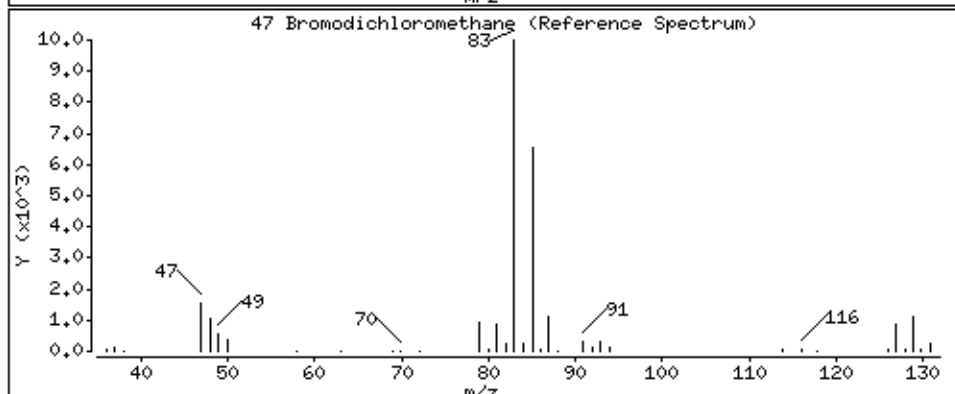
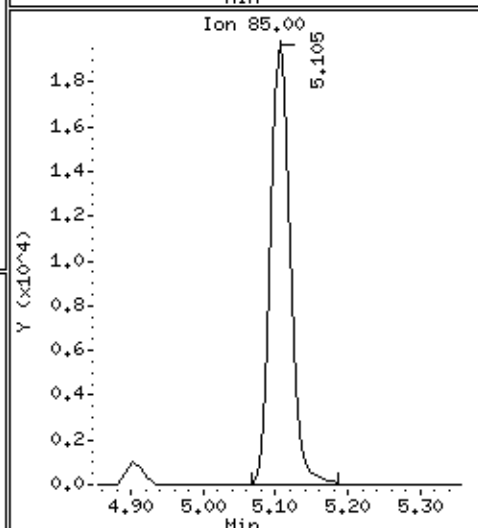
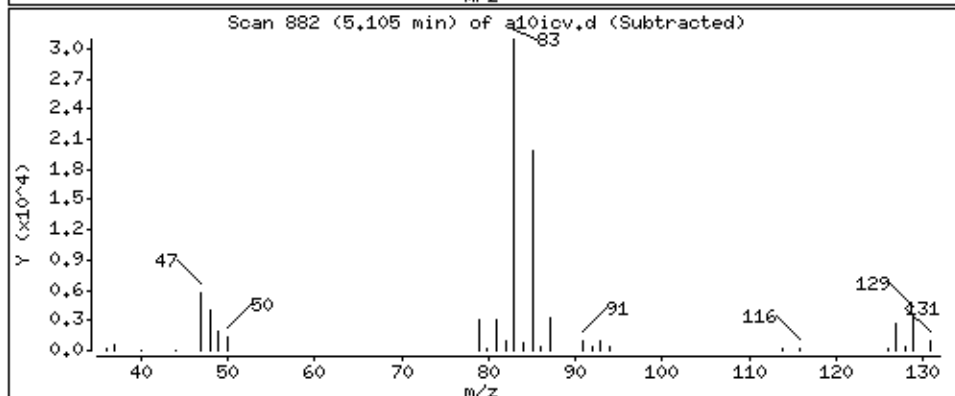
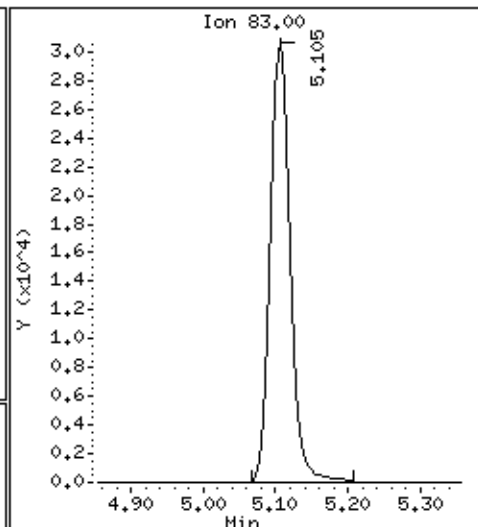
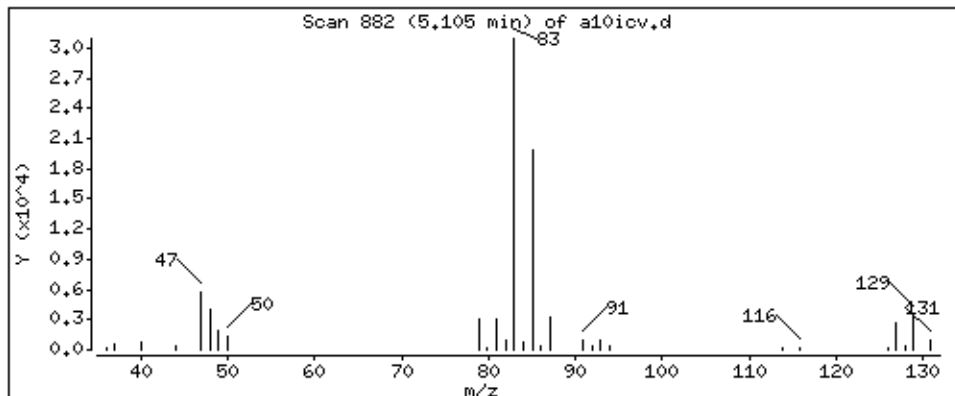
Operator: ala

Column phase: DB-624

Column diameter: 0,18

47 Bromodichloromethane

Concentration: 48,2 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

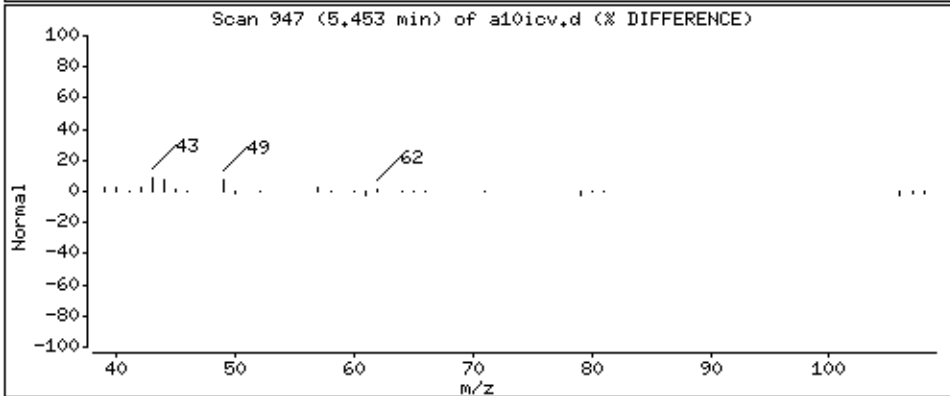
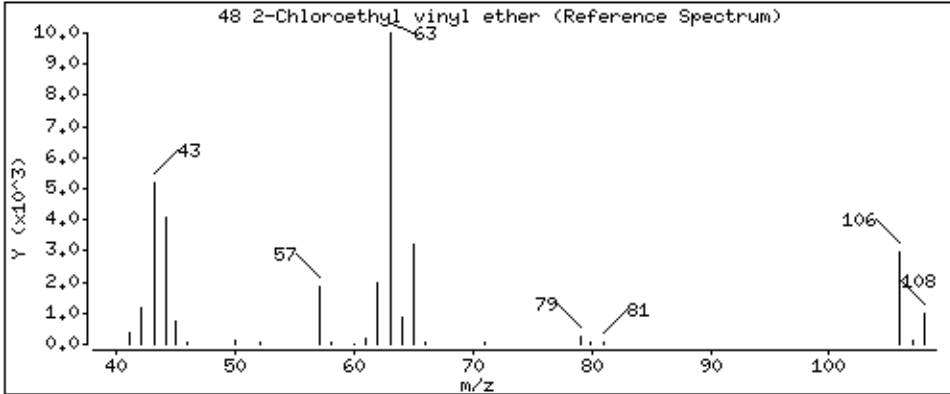
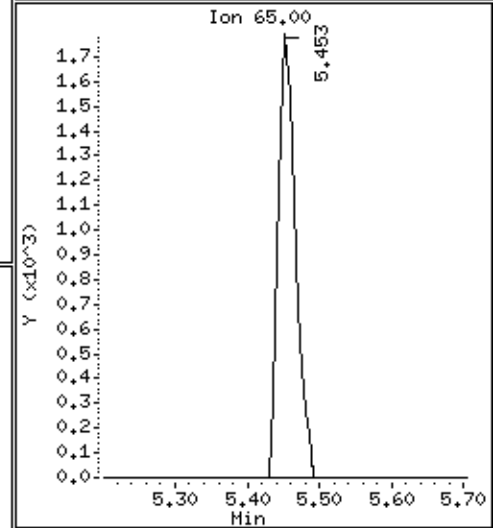
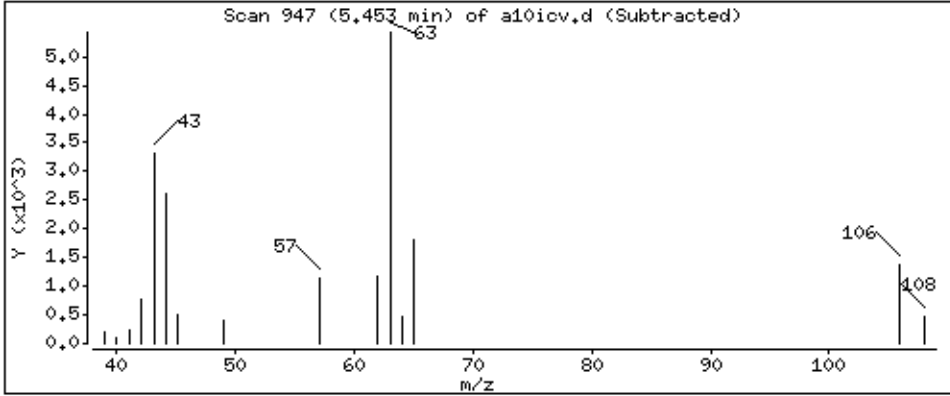
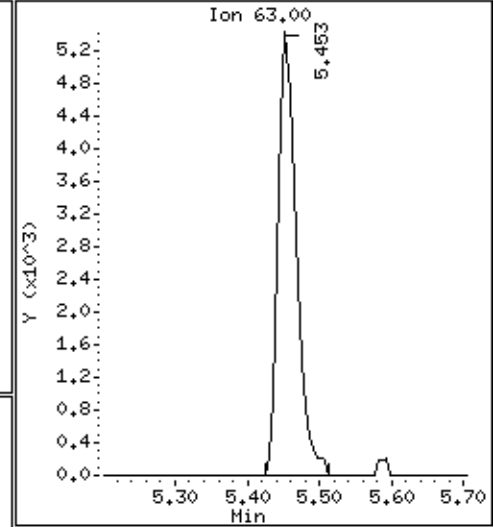
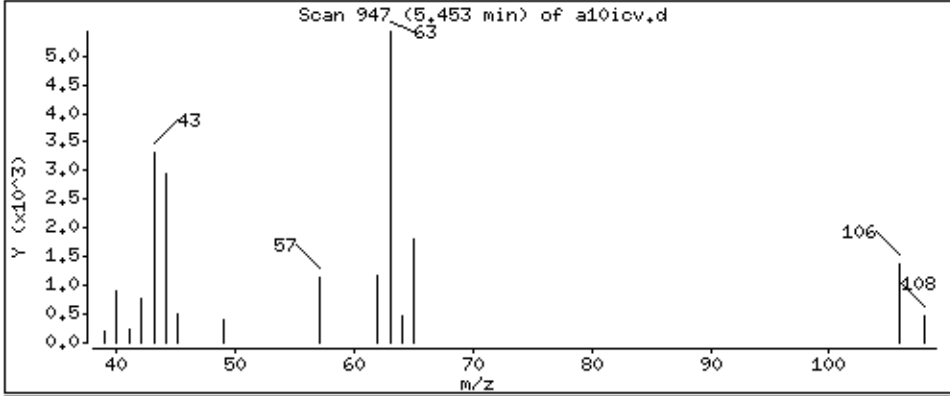
Operator: ala

Column phase: DB-624

Column diameter: 0.18

48 2-Chloroethyl vinyl ether

Concentration: 49.3 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

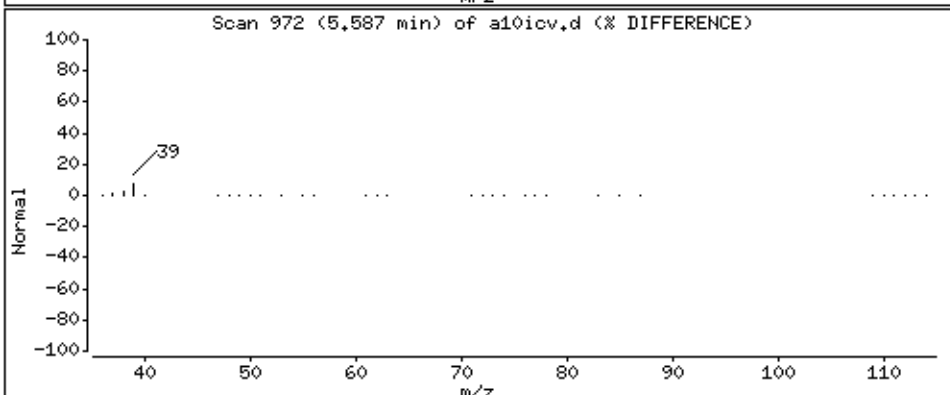
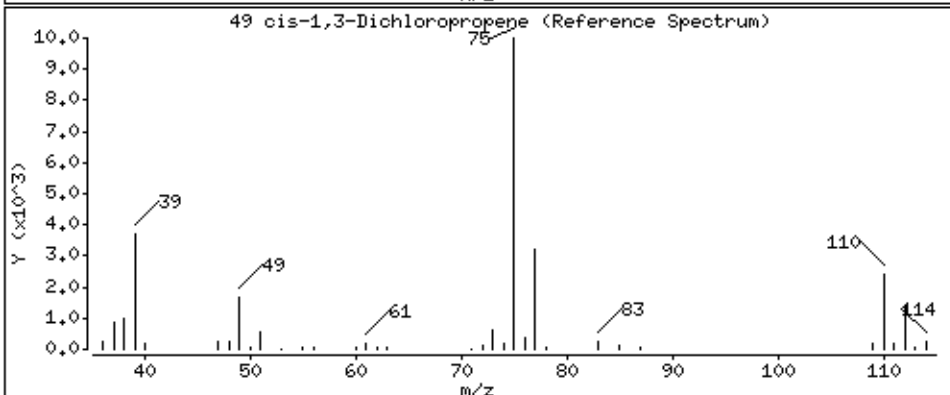
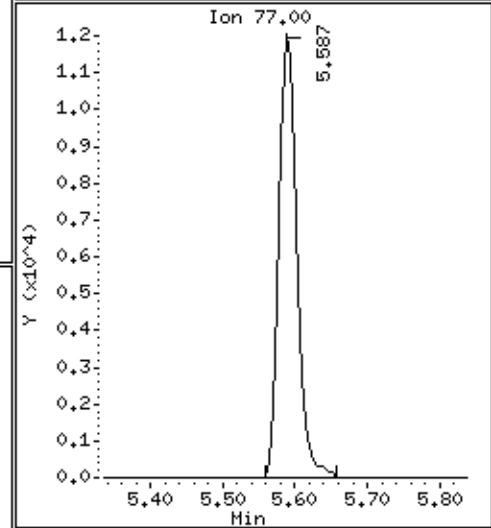
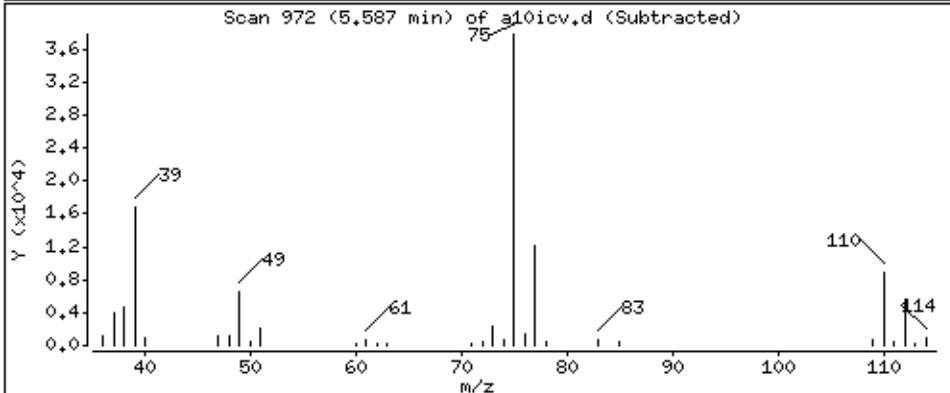
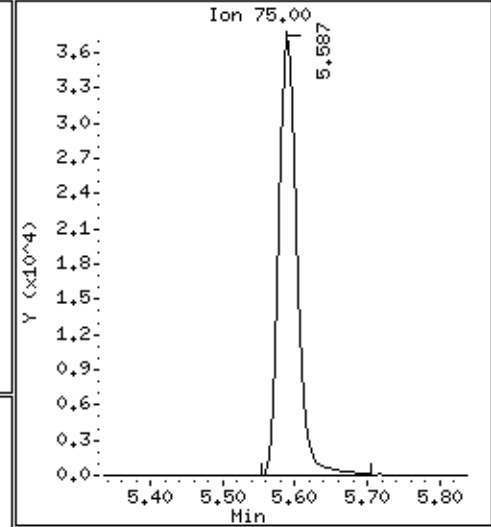
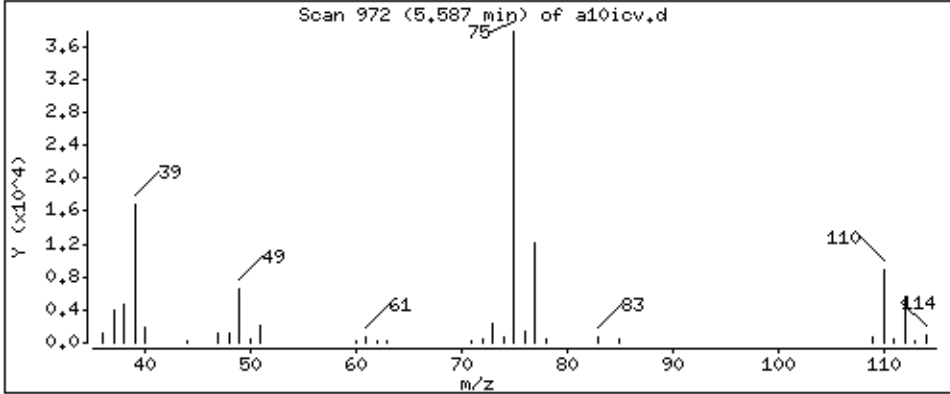
Operator: ala

Column phase: DB-624

Column diameter: 0.18

49 cis-1,3-Dichloropropene

Concentration: 50.8 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

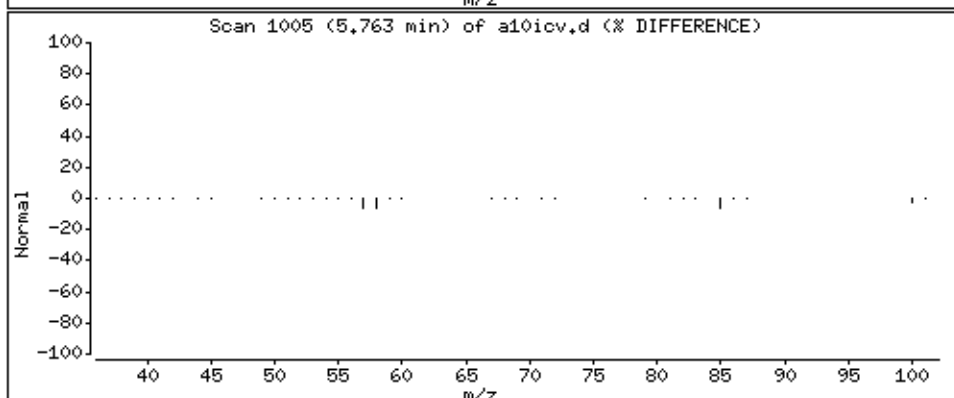
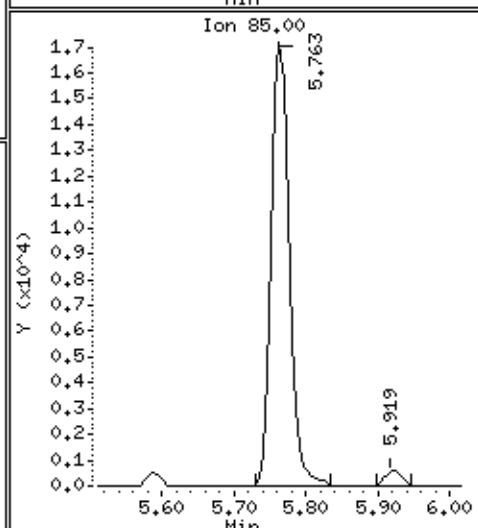
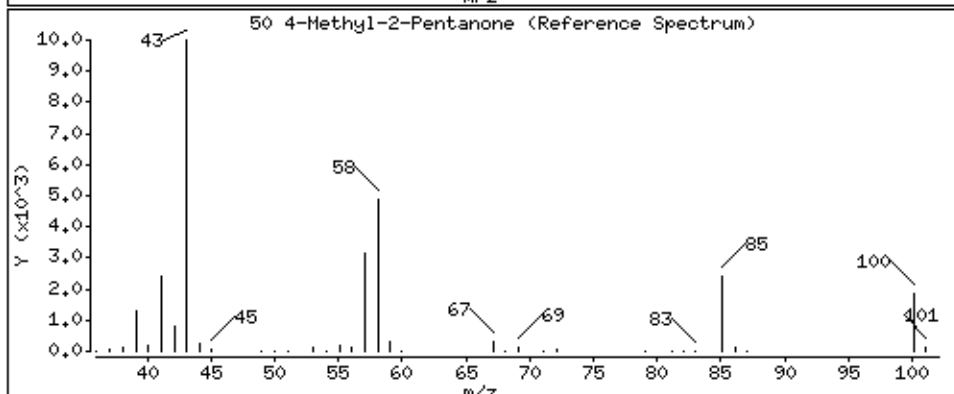
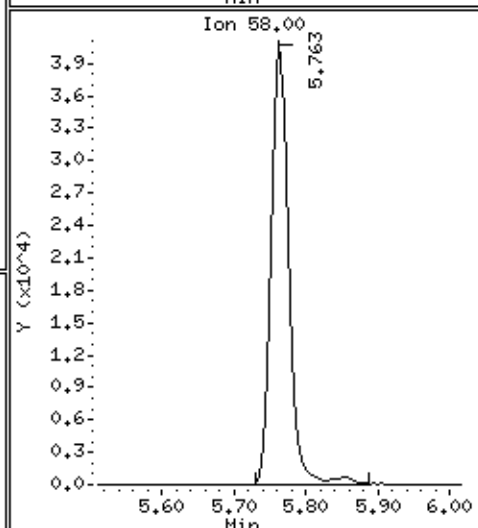
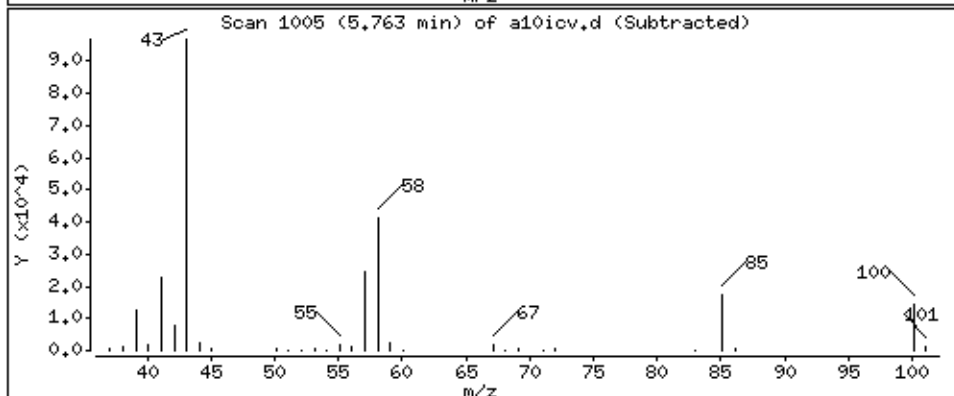
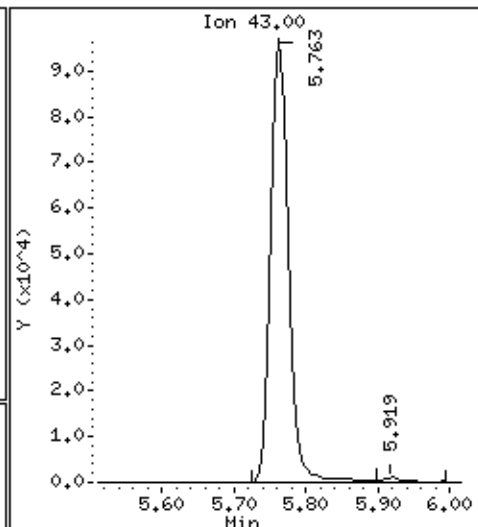
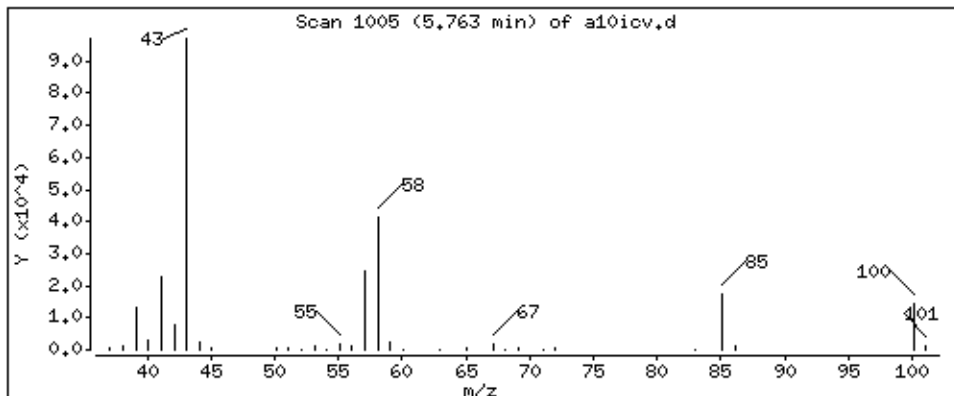
Operator: ala

Column phase: DB-624

Column diameter: 0,18

50 4-Methyl-2-Pentanone

Concentration: 242 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

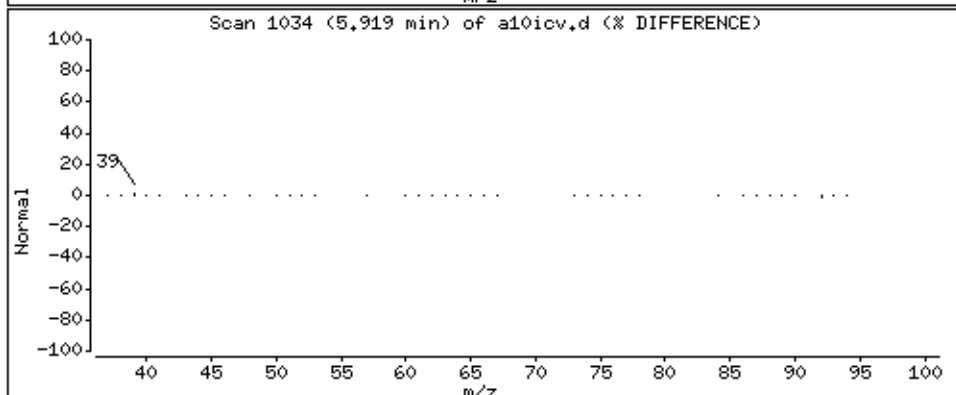
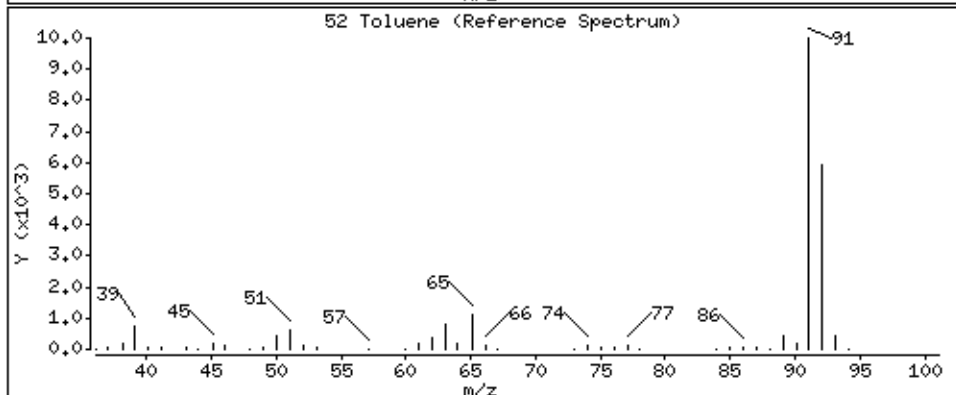
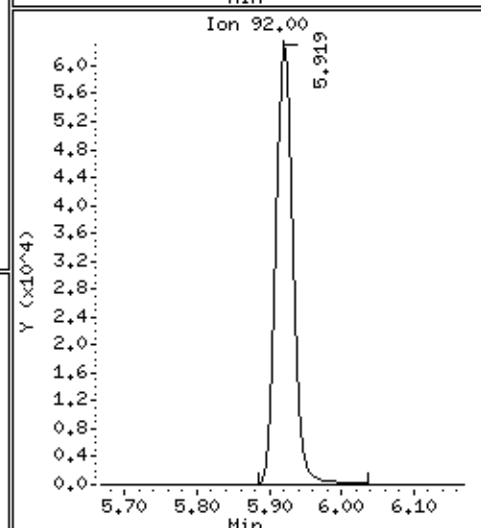
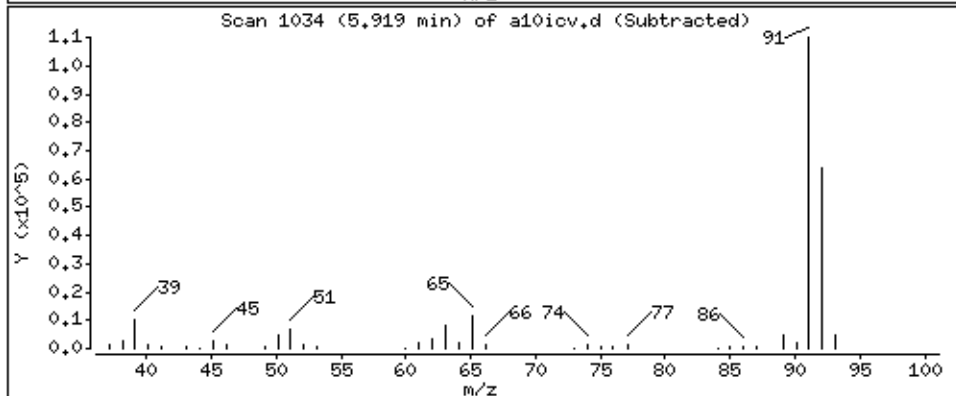
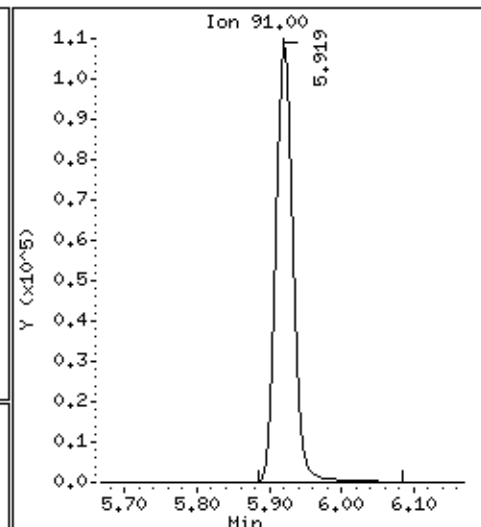
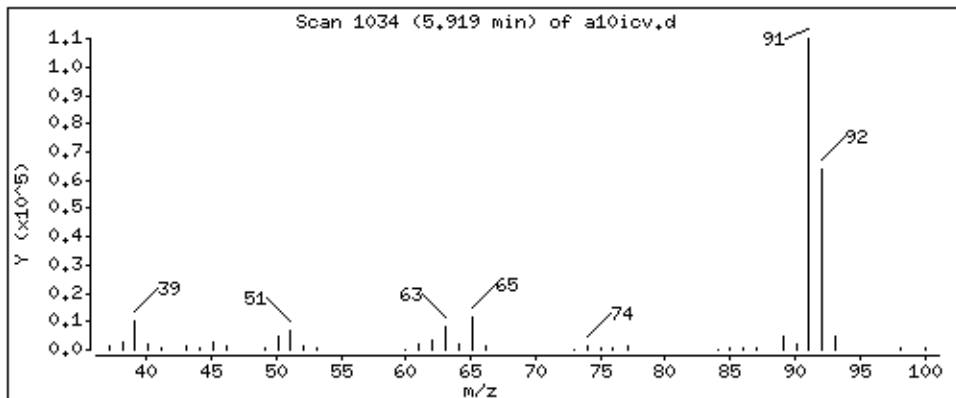
Operator: ala

Column phase: DB-624

Column diameter: 0,18

52 Toluene

Concentration: 49.7 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

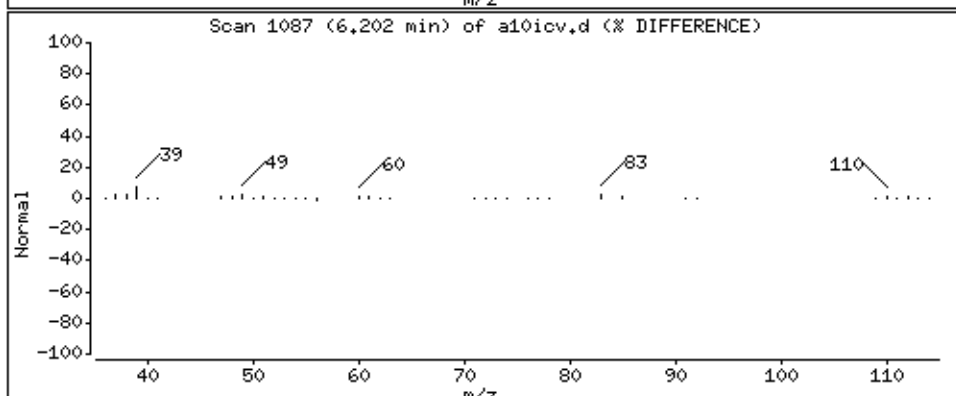
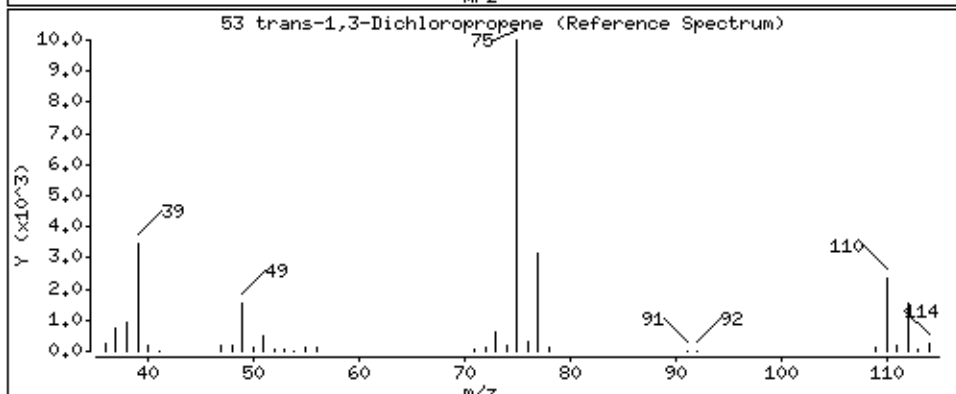
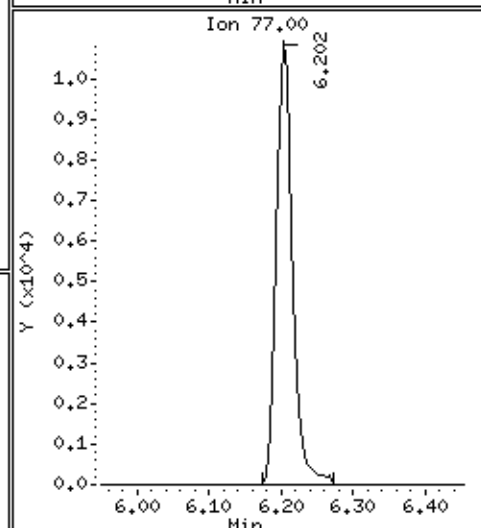
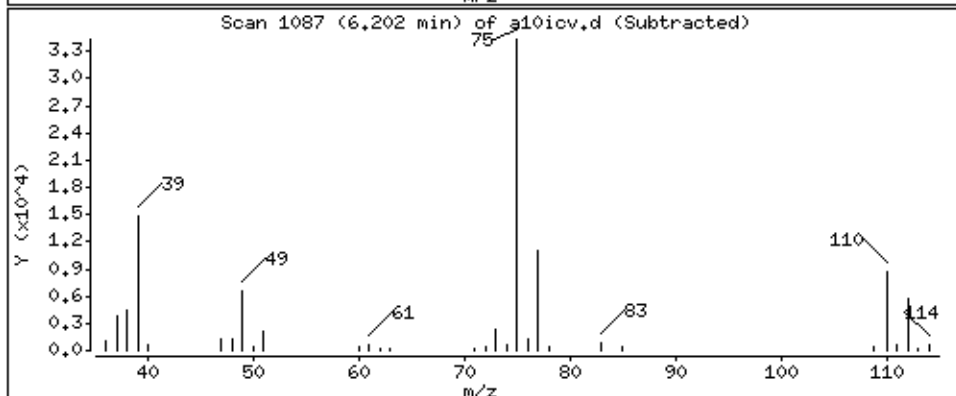
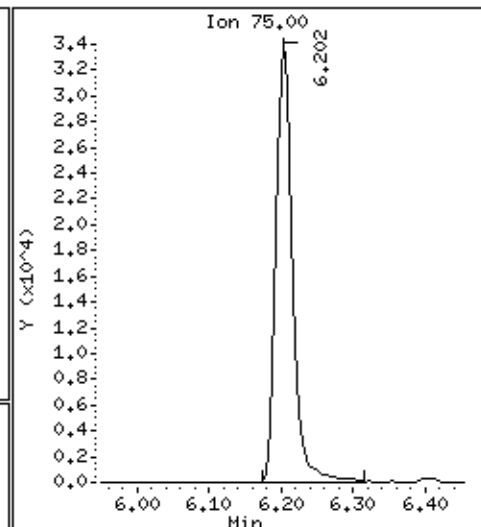
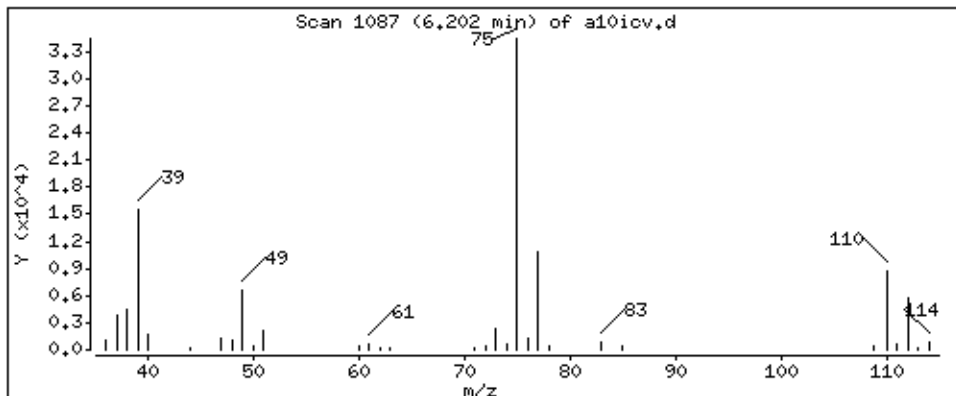
Operator: ala

Column phase: DB-624

Column diameter: 0.18

53 trans-1,3-Dichloropropene

Concentration: 42.7 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

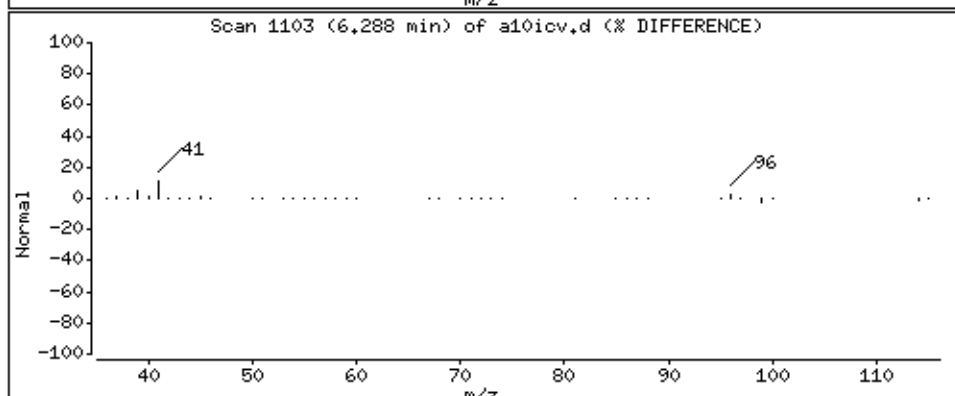
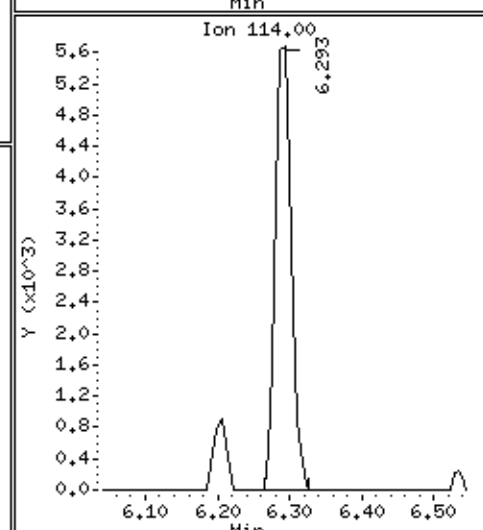
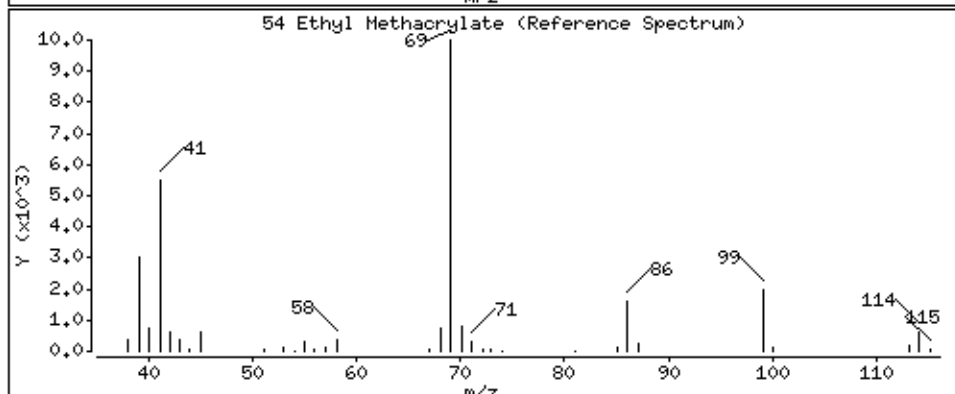
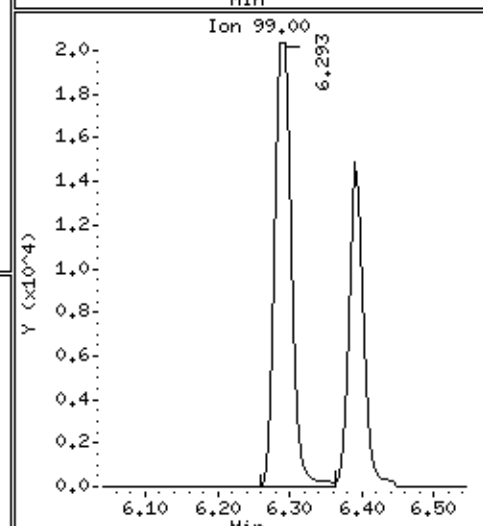
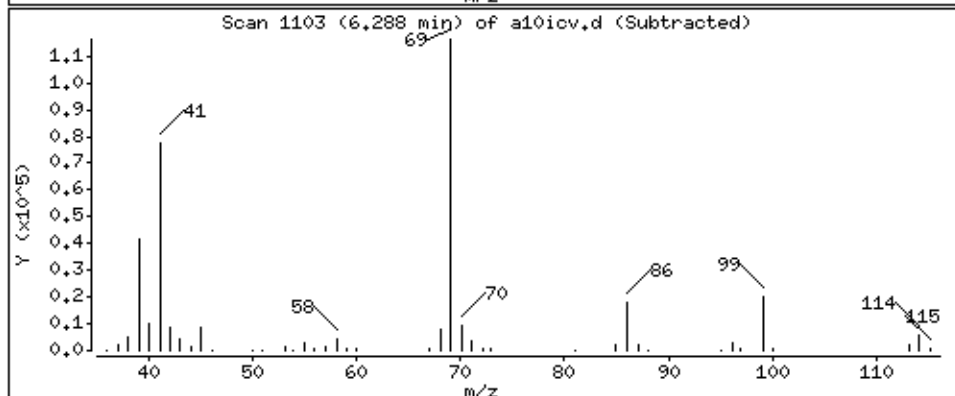
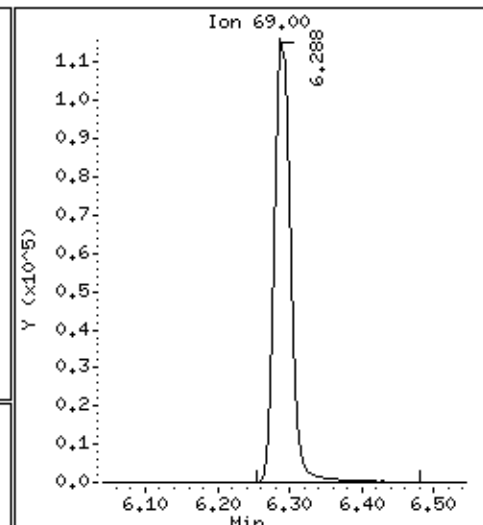
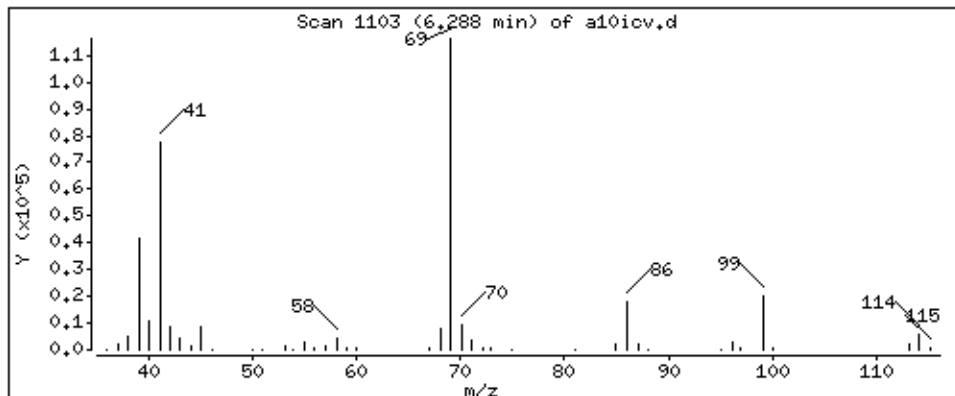
Operator: ala

Column phase: DB-624

Column diameter: 0.18

54 Ethyl Methacrylate

Concentration: 184 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

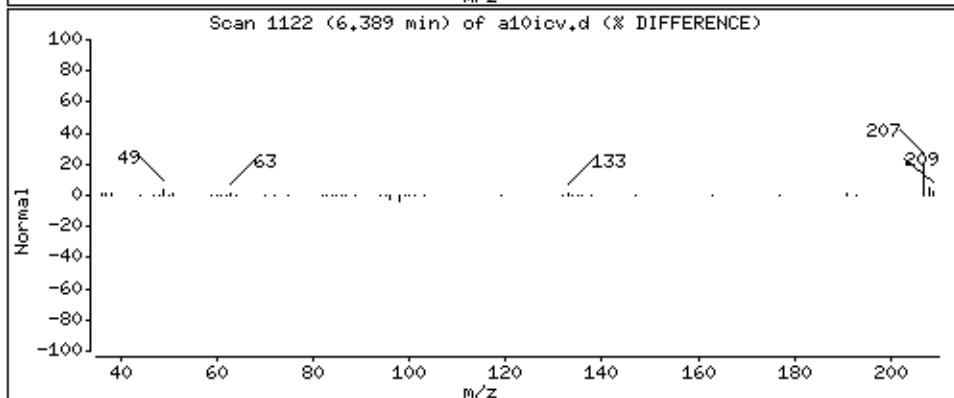
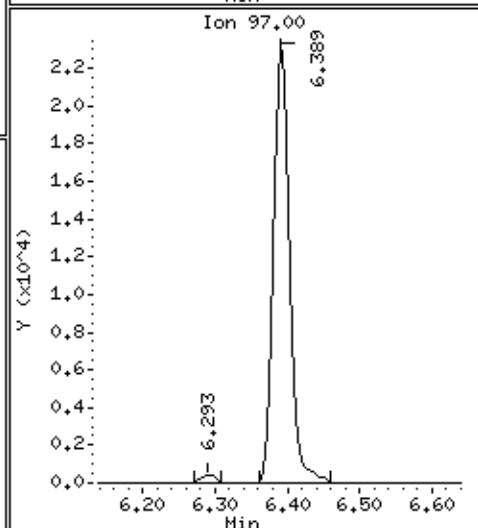
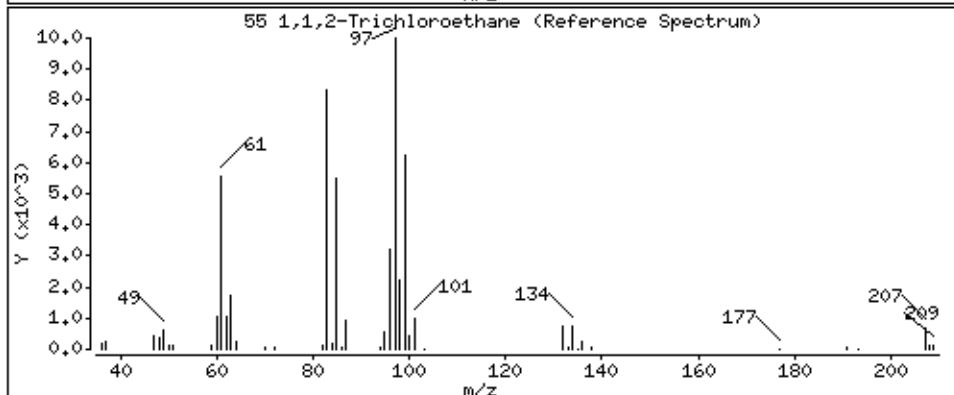
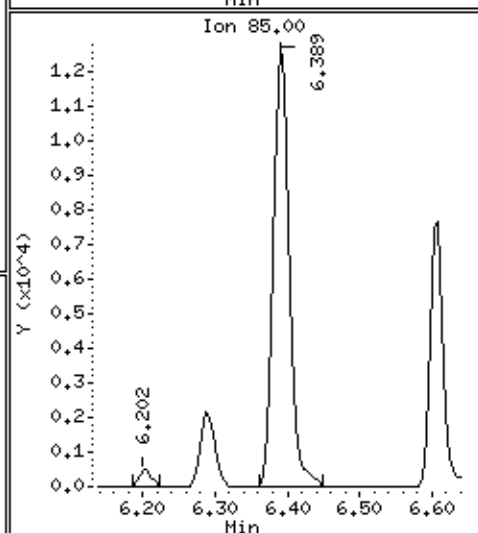
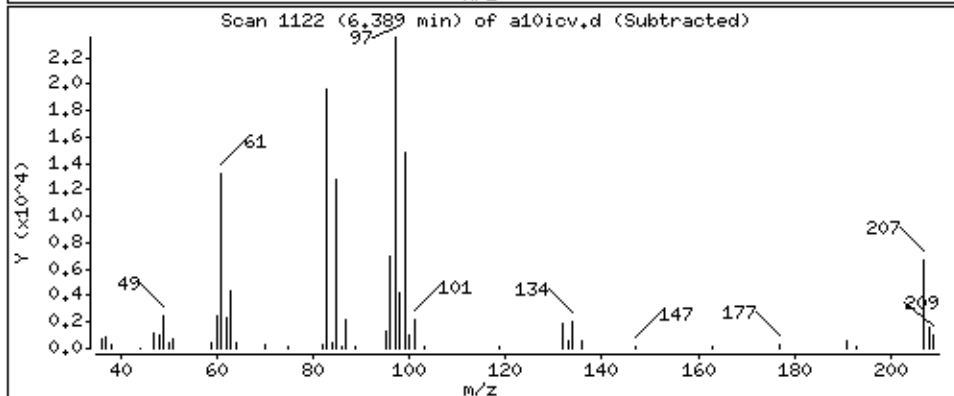
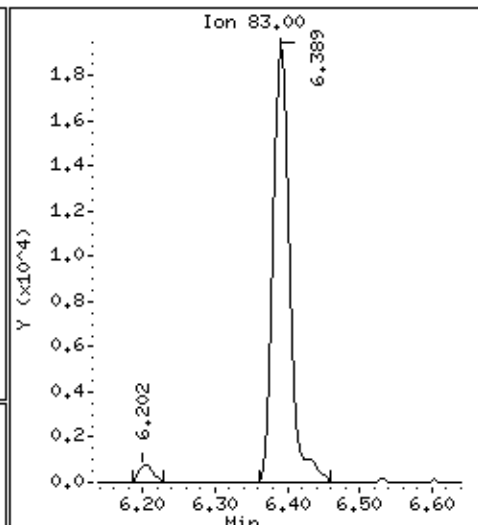
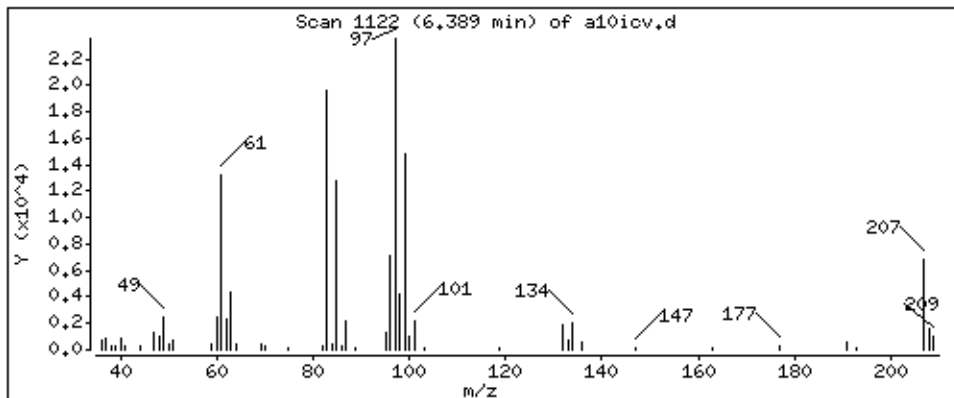
Operator: ala

Column phase: DB-624

Column diameter: 0.18

55 1,1,2-Trichloroethane

Concentration: 50.7 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855;0

Purge Volume: 5.0

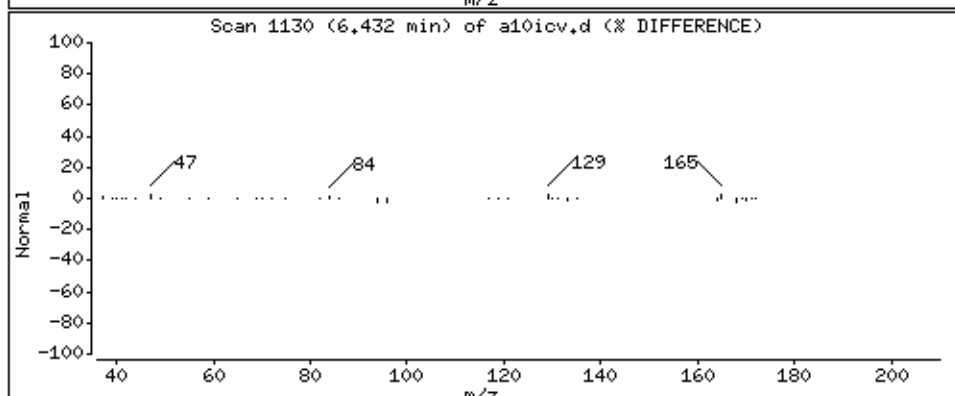
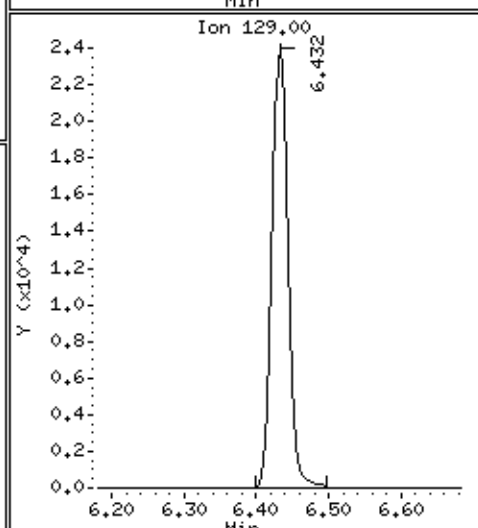
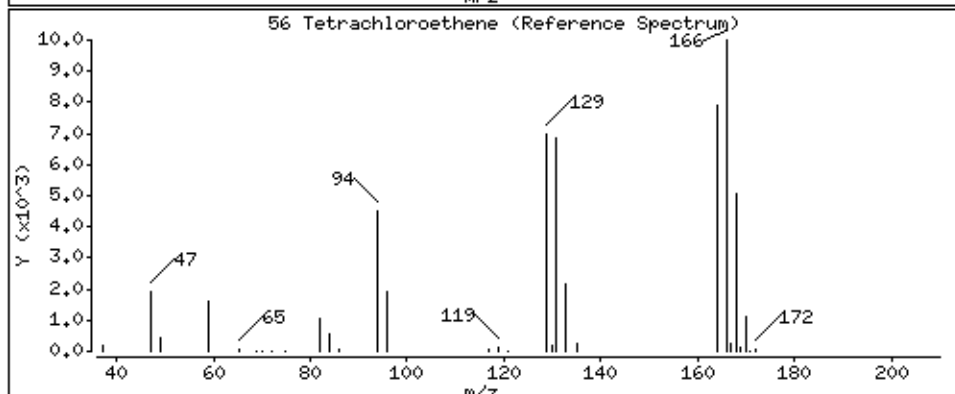
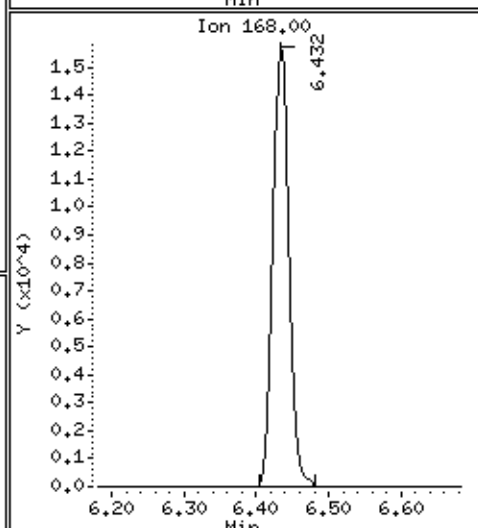
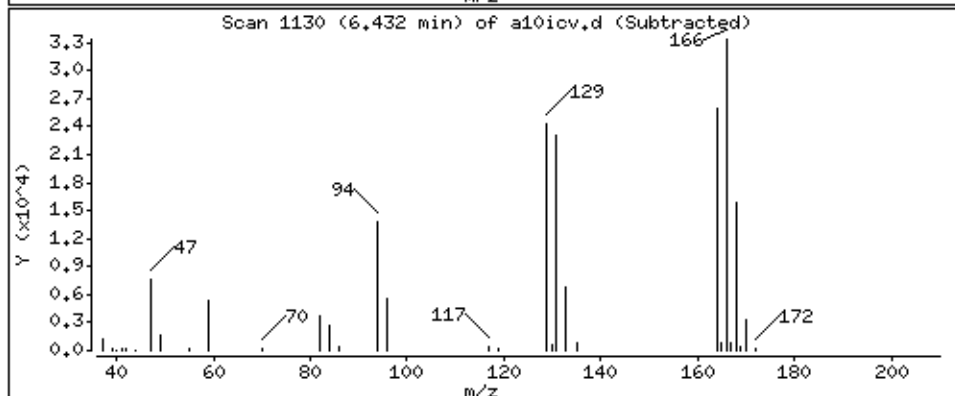
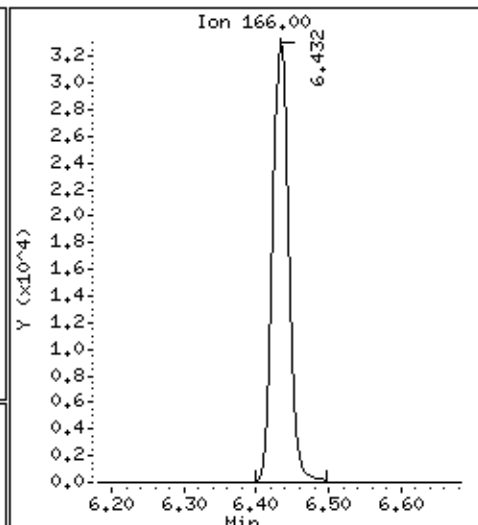
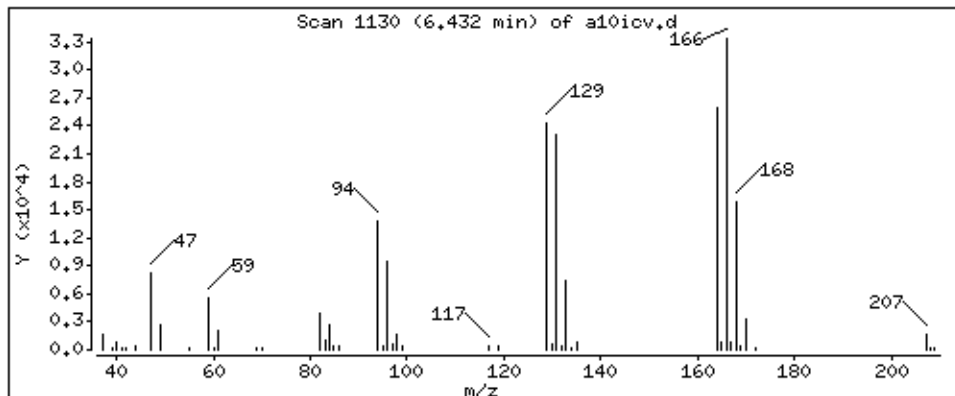
Operator: ala

Column phase: DB-624

Column diameter: 0.18

56 Tetrachloroethene

Concentration: 51.3 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

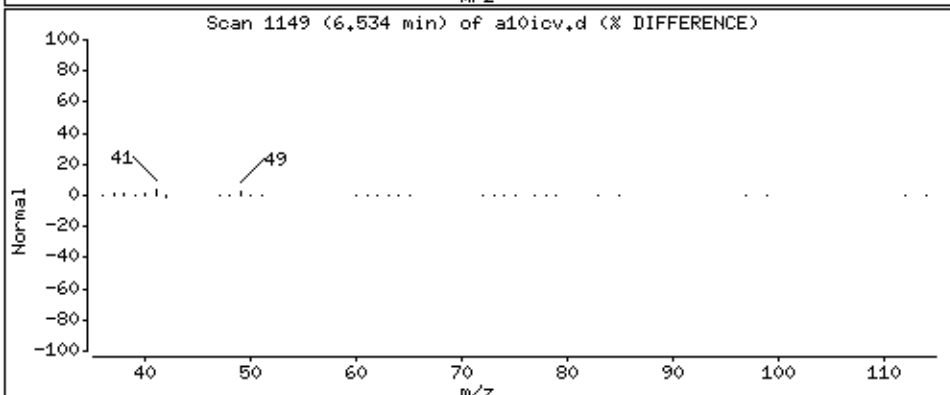
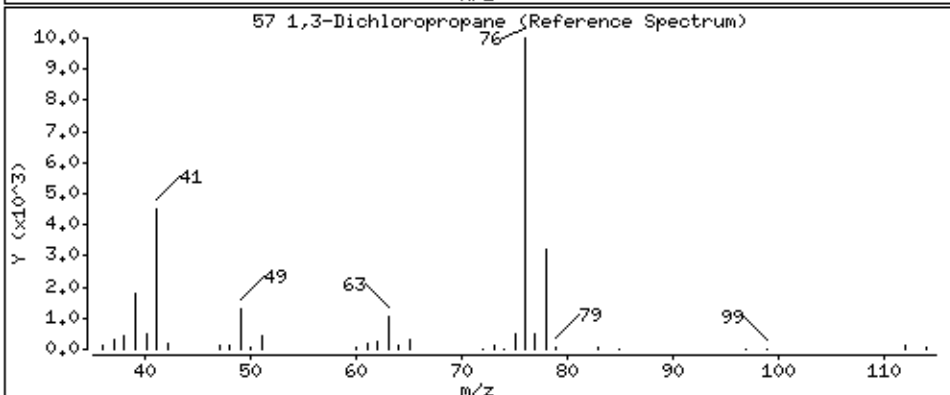
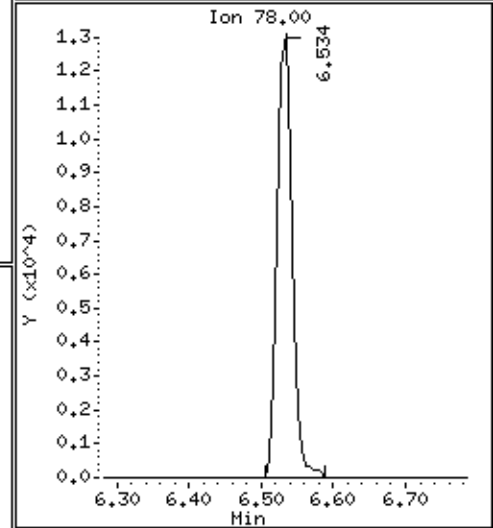
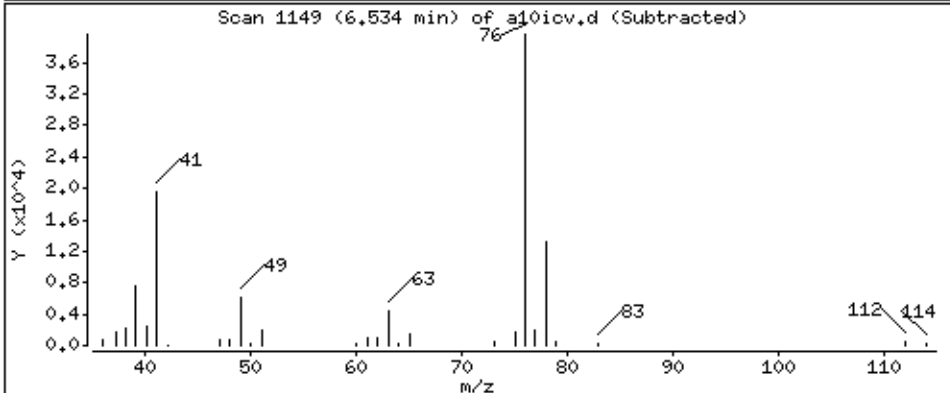
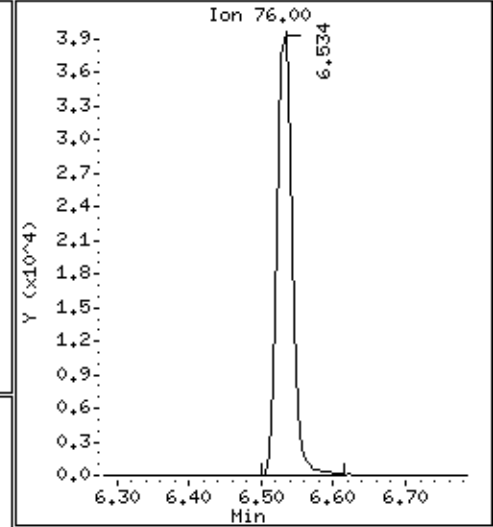
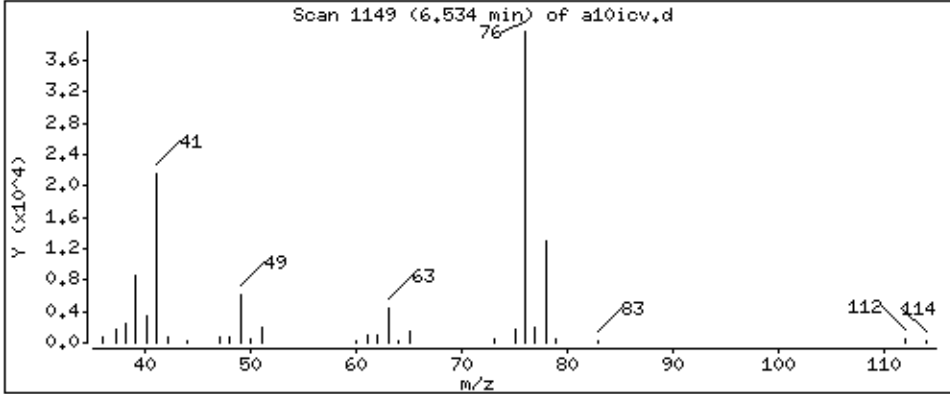
Operator: ala

Column phase: DB-624

Column diameter: 0.18

57 1,3-Dichloropropane

Concentration: 52.7 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

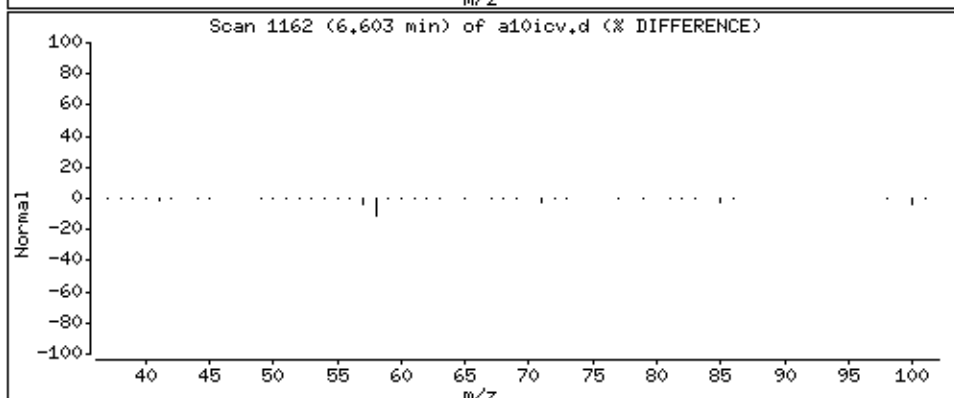
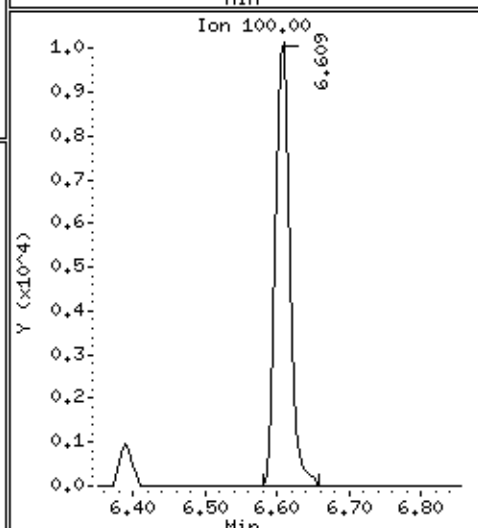
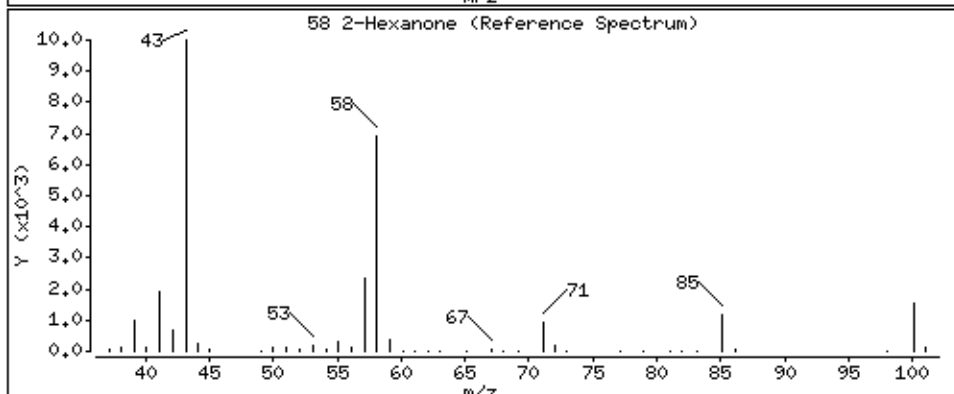
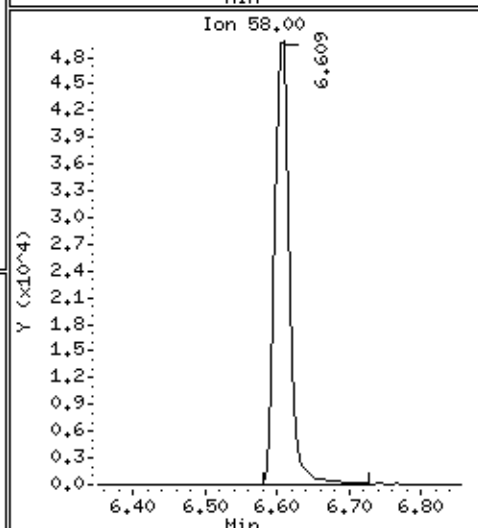
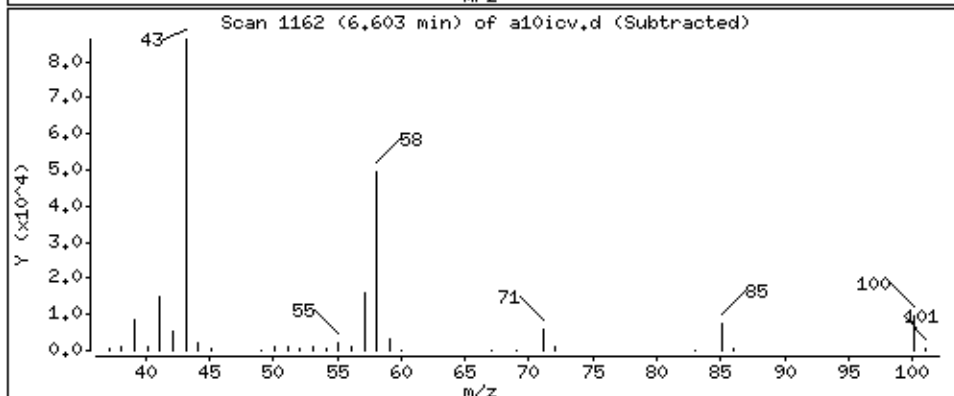
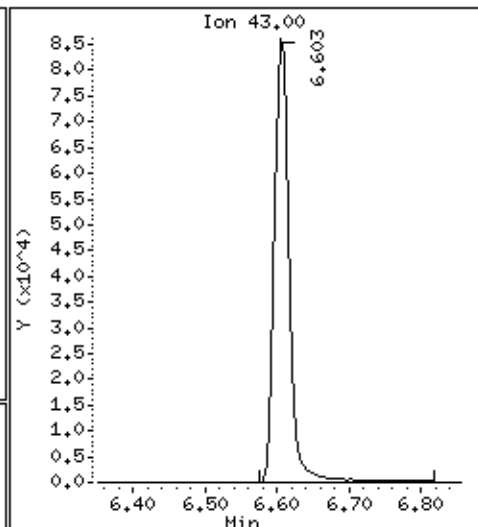
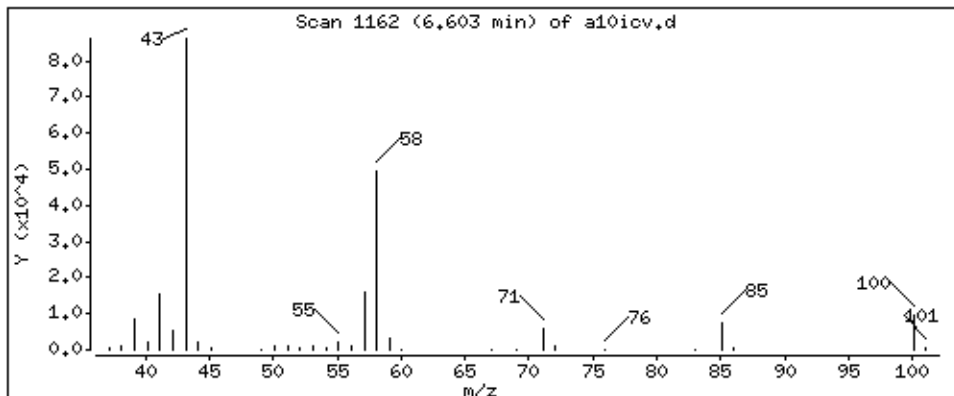
Operator: ala

Column phase: DB-624

Column diameter: 0.18

58 2-Hexanone

Concentration: 250 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

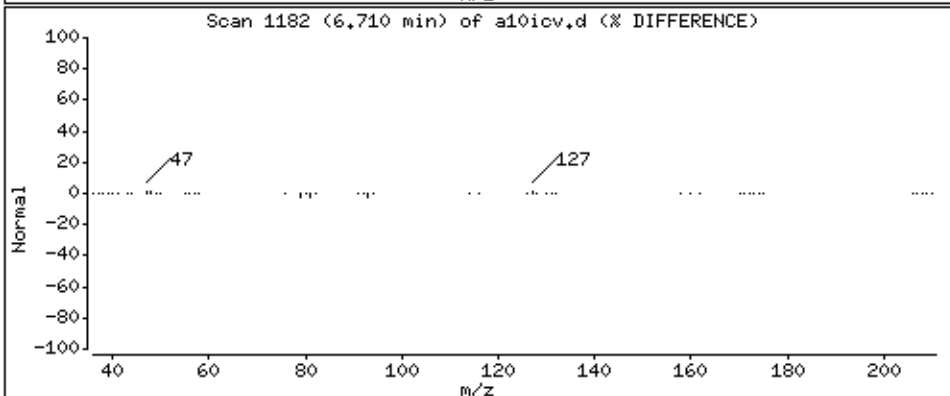
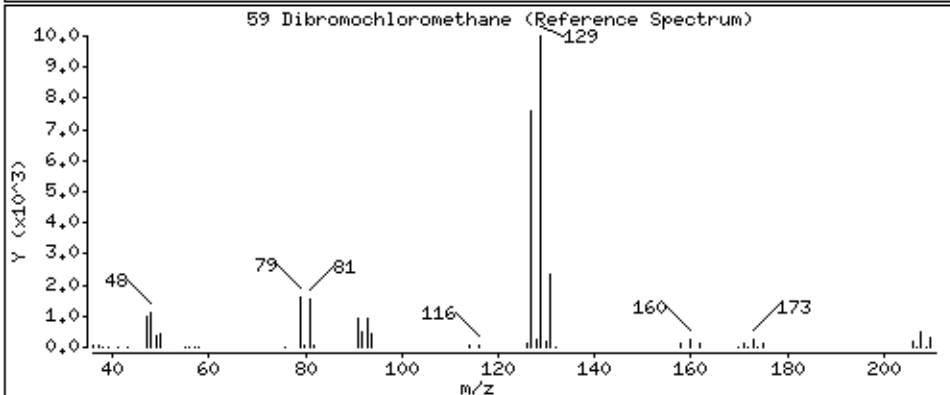
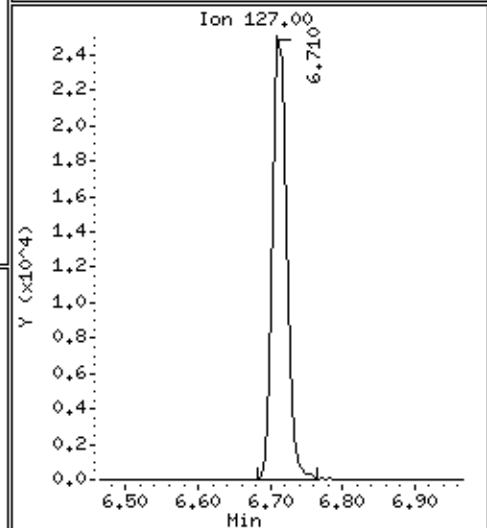
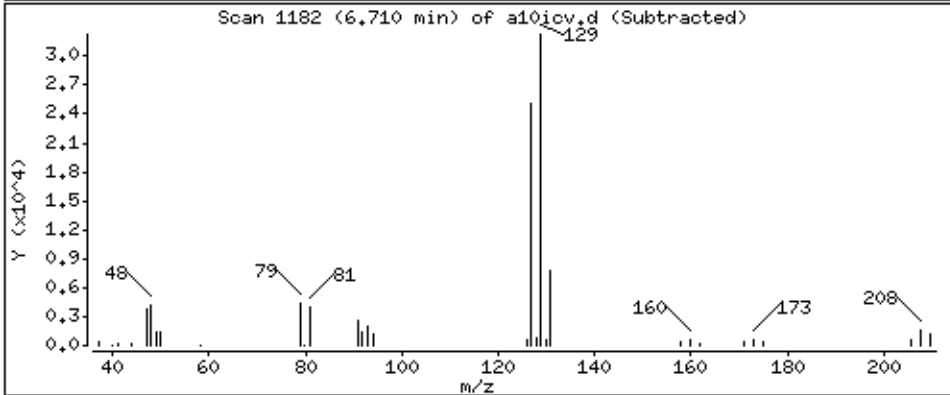
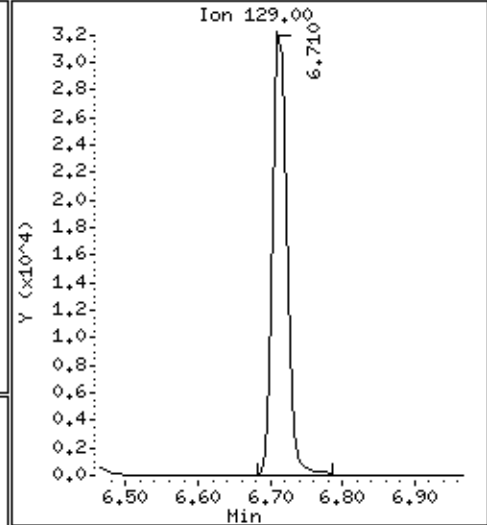
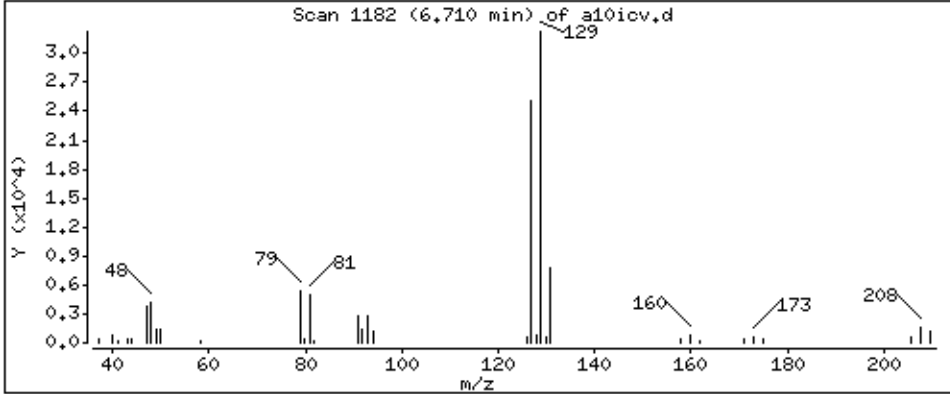
Operator: ala

Column phase: DB-624

Column diameter: 0,18

59 Dibromochloromethane

Concentration: 51,1 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

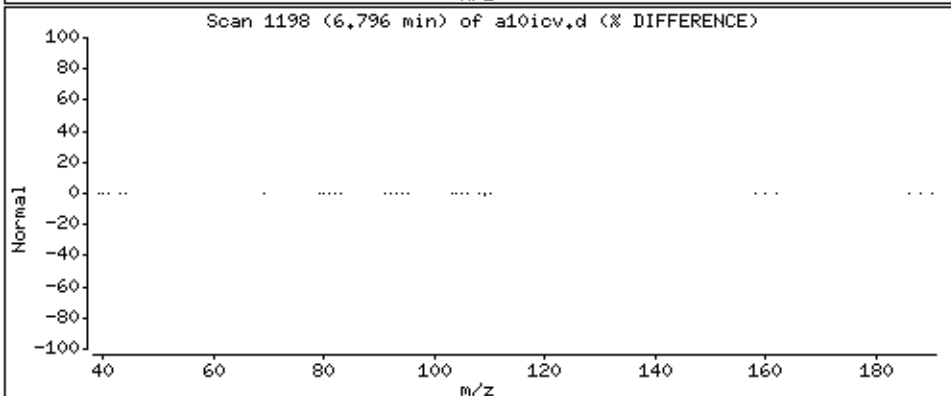
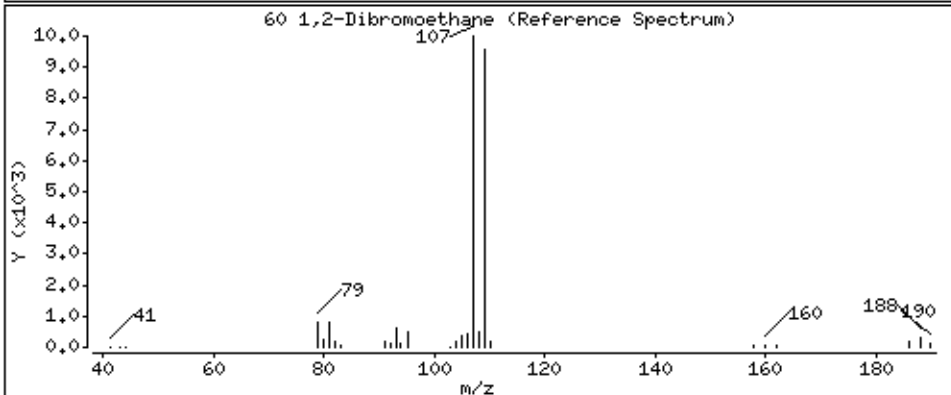
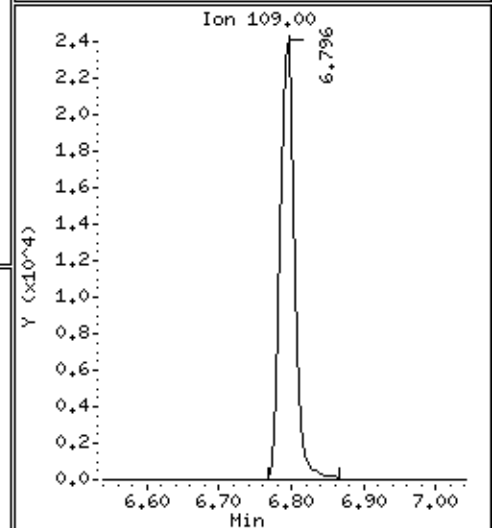
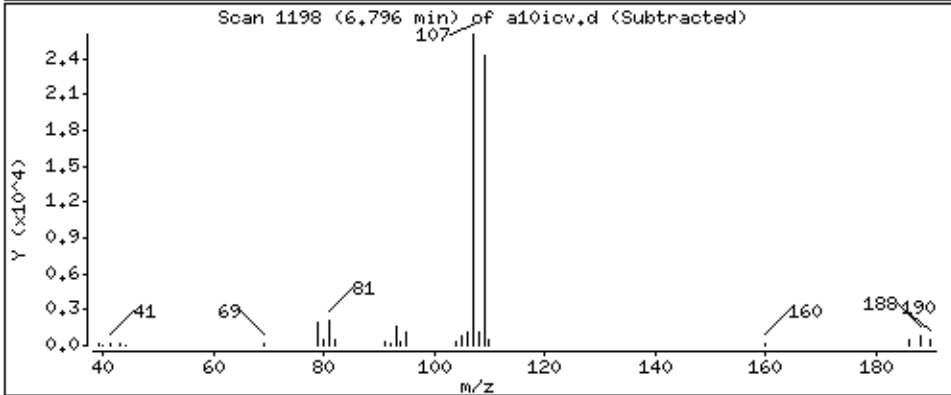
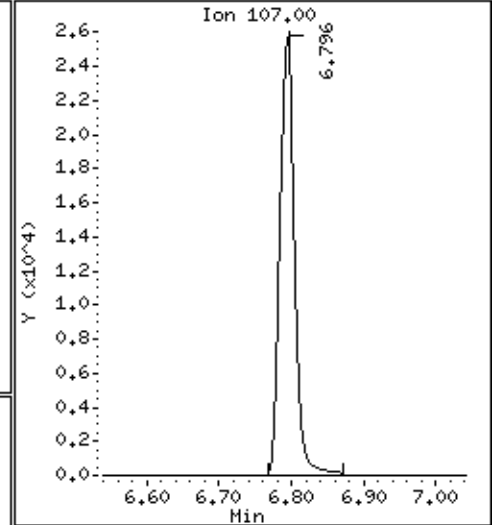
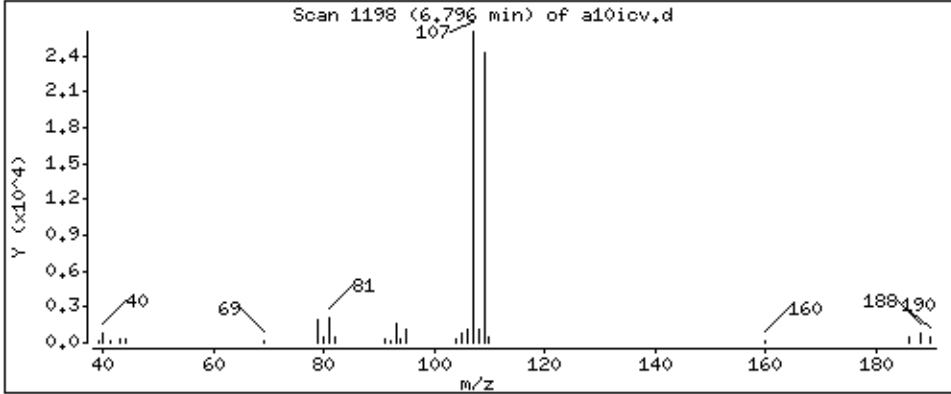
Operator: ala

Column phase: DB-624

Column diameter: 0,18

60 1,2-Dibromoethane

Concentration: 45,8 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855;0

Purge Volume: 5.0

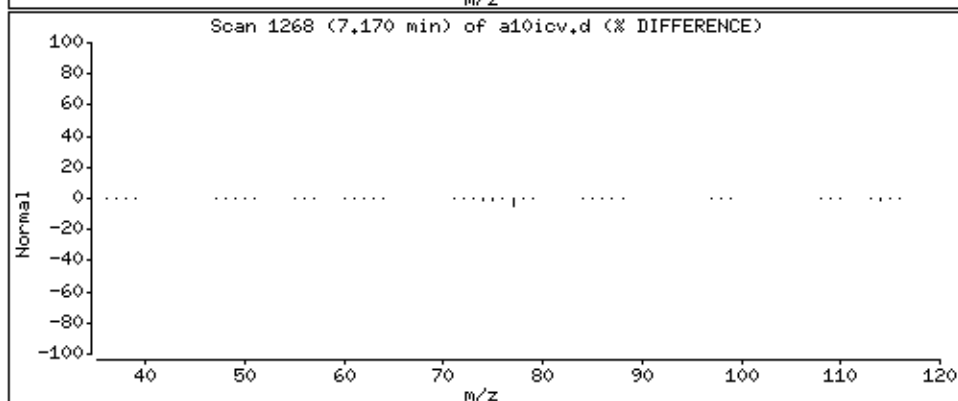
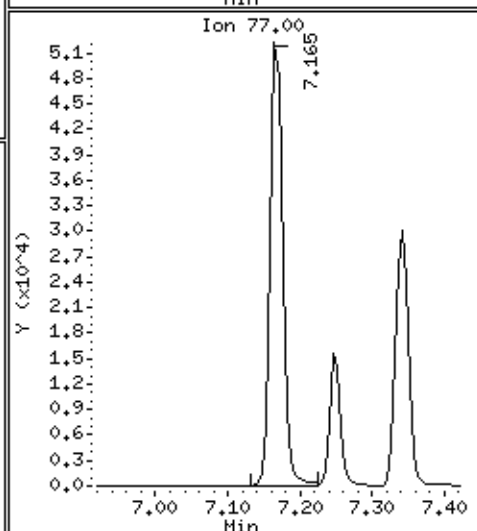
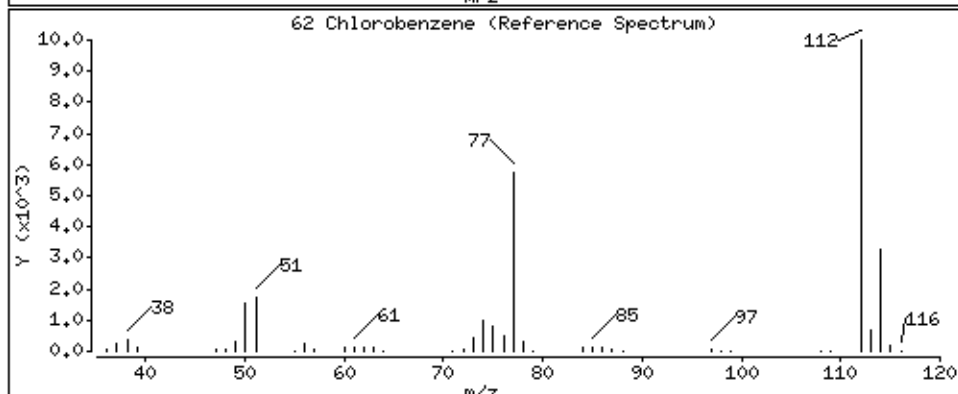
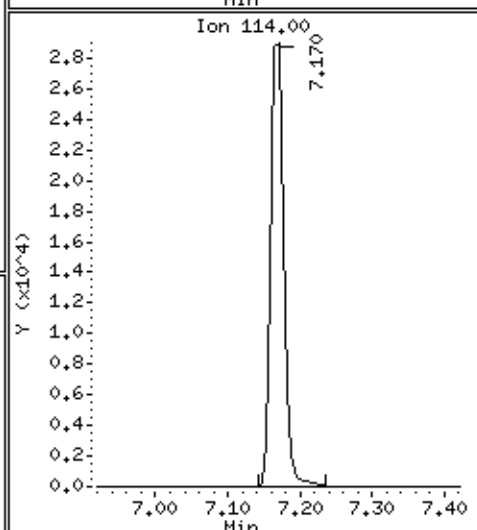
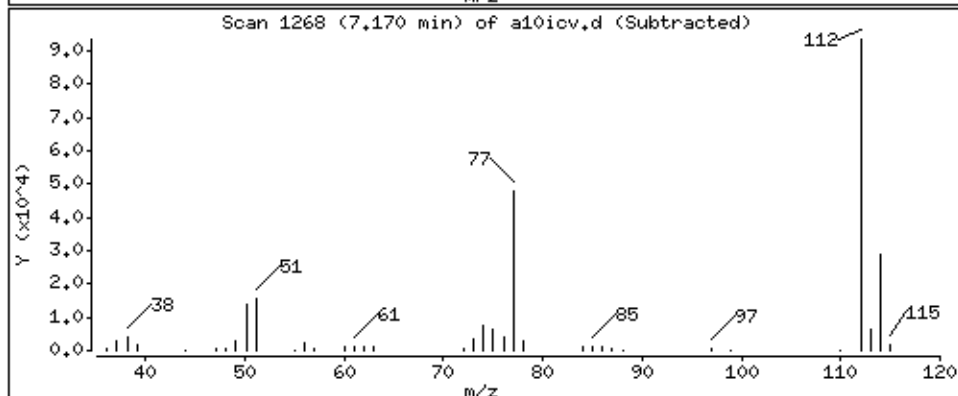
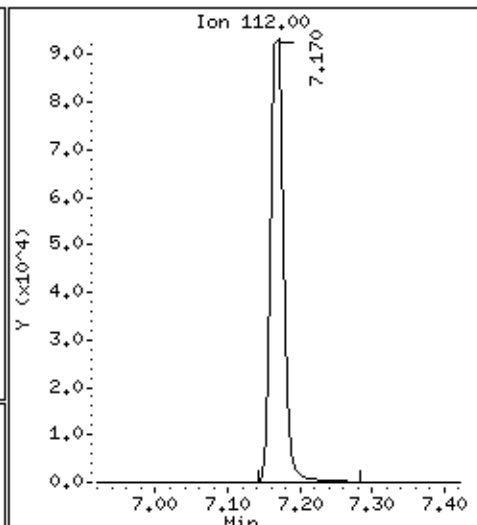
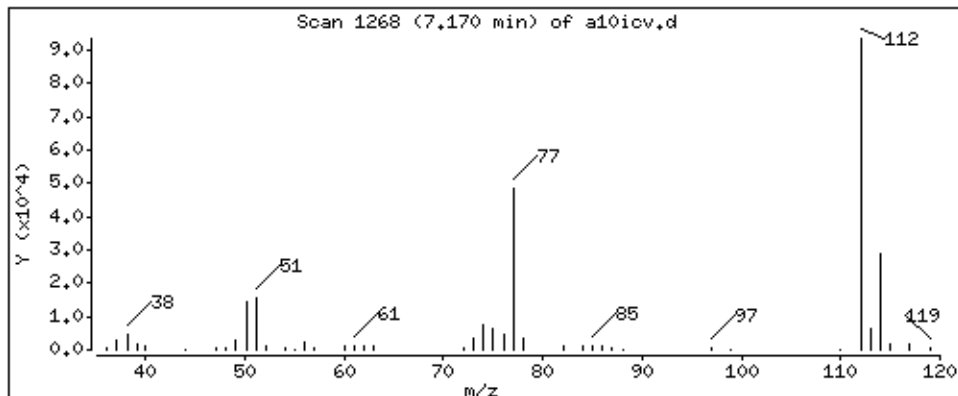
Operator: ala

Column phase: DB-624

Column diameter: 0,18

62 Chlorobenzene

Concentration: 49,5 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

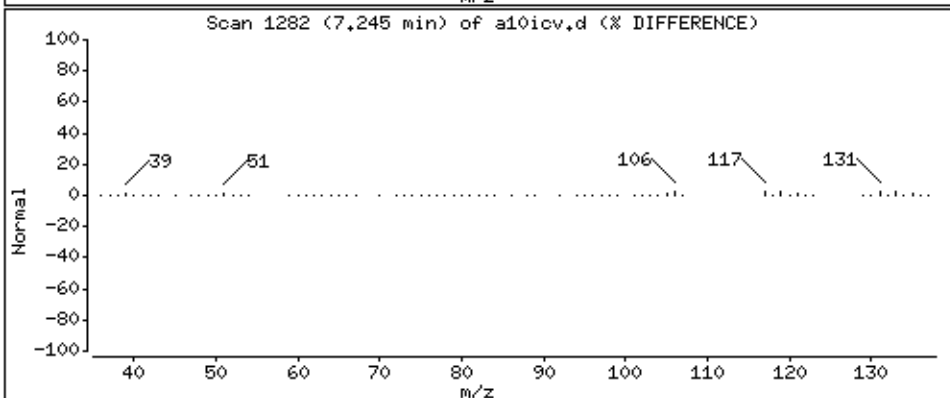
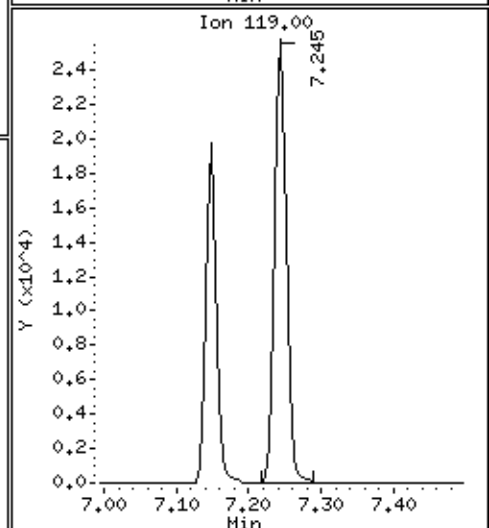
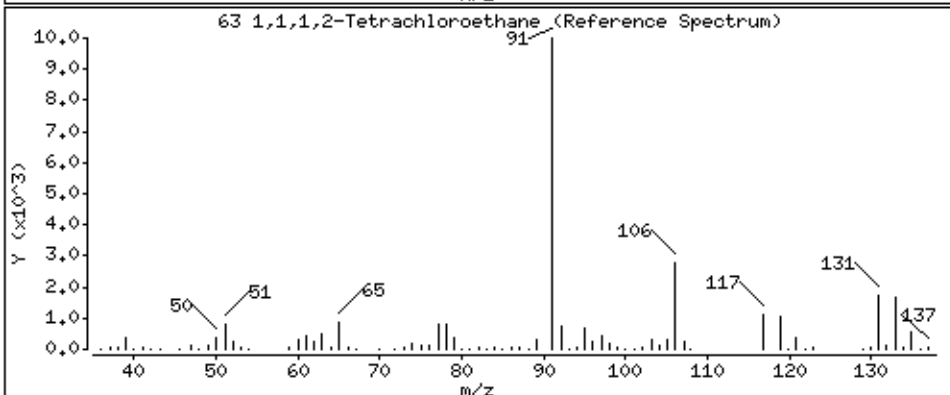
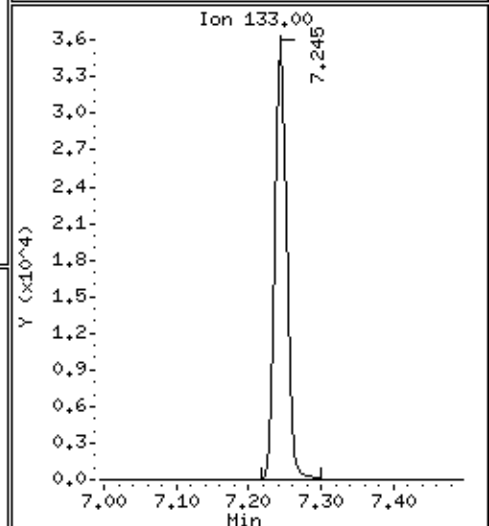
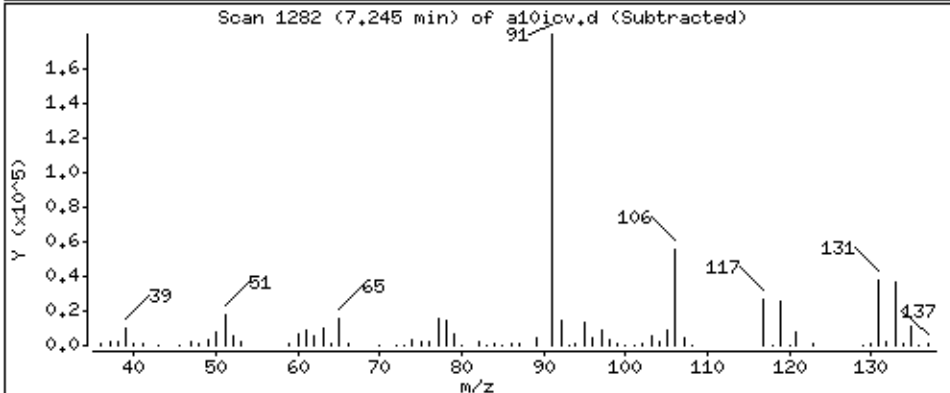
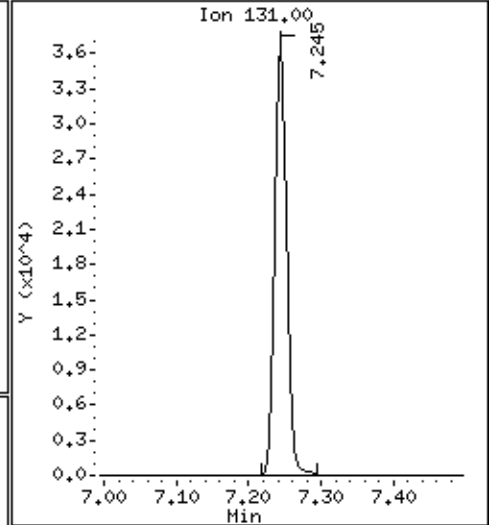
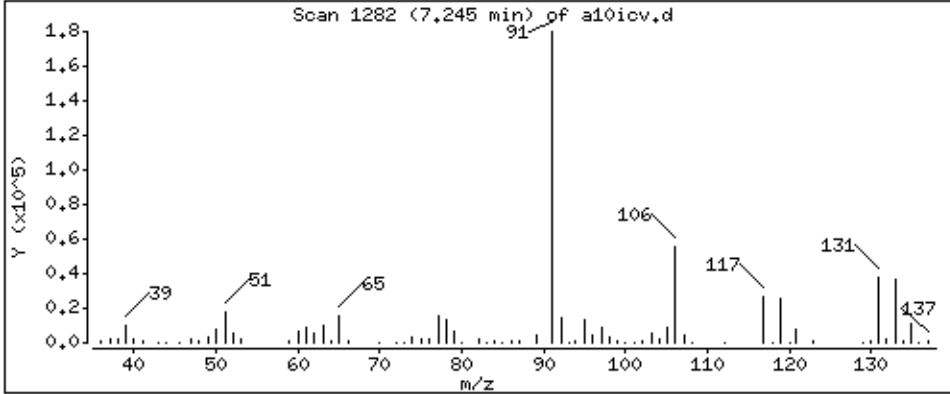
Operator: ala

Column phase: DB-624

Column diameter: 0,18

63 1,1,1,2-Tetrachloroethane

Concentration: 50,6 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855;0

Purge Volume: 5.0

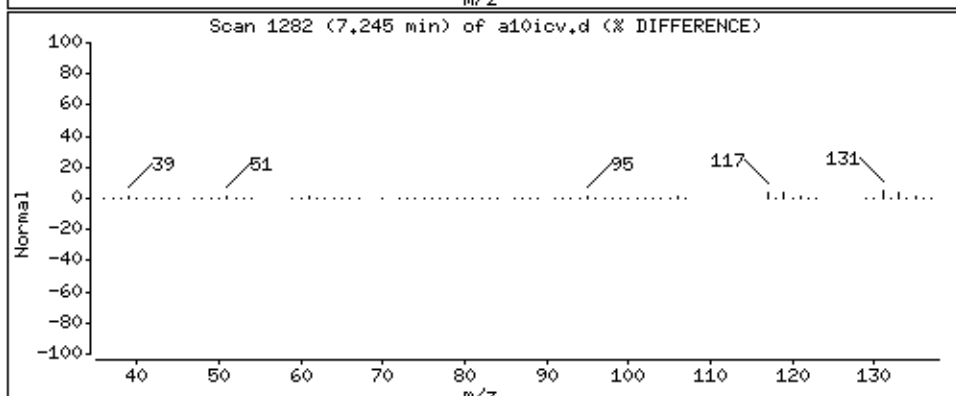
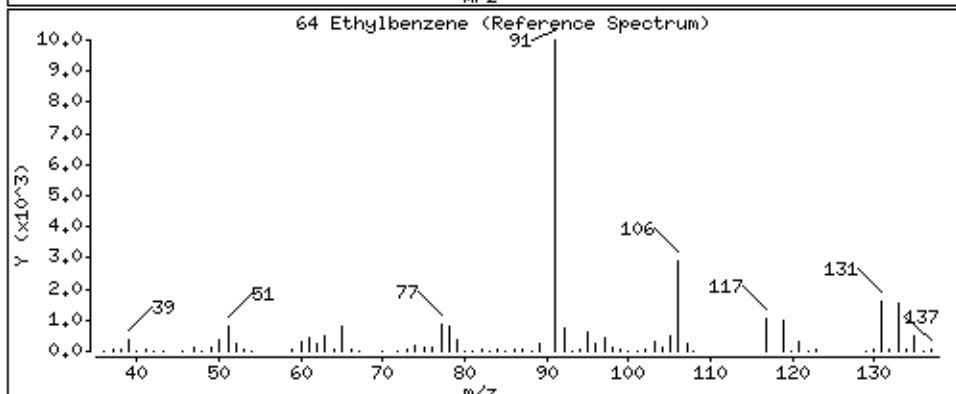
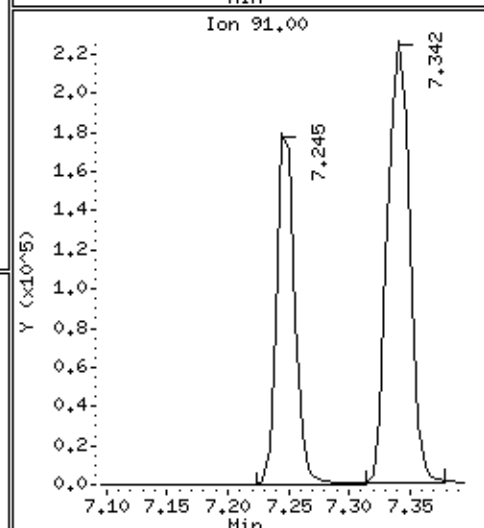
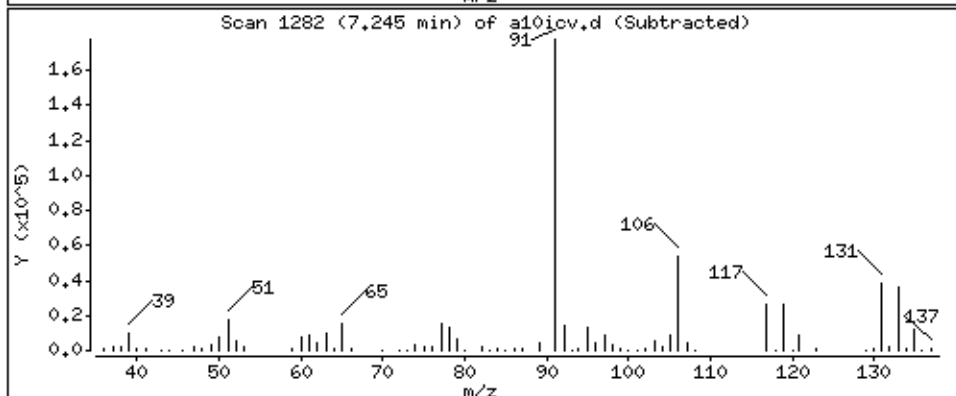
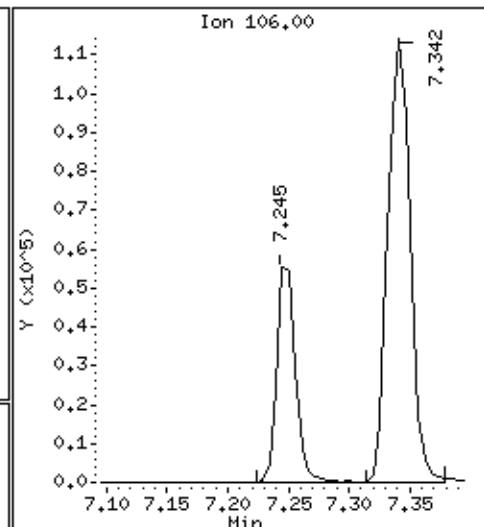
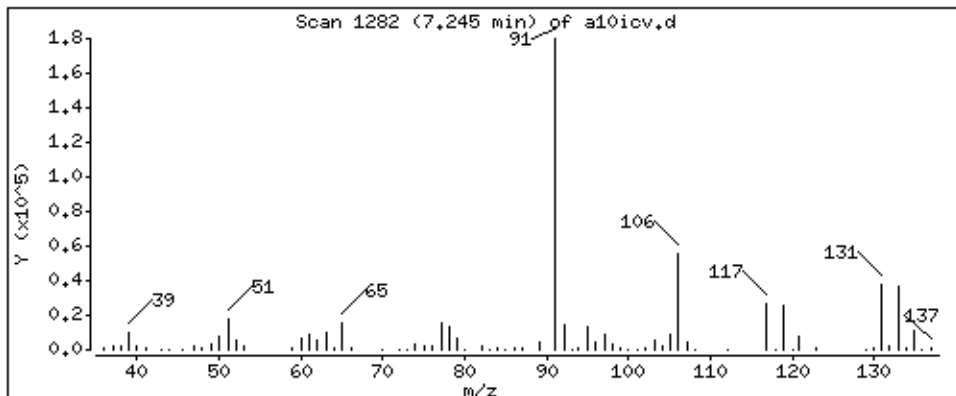
Operator: ala

Column phase: DB-624

Column diameter: 0,18

64 Ethylbenzene

Concentration: 51.4 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

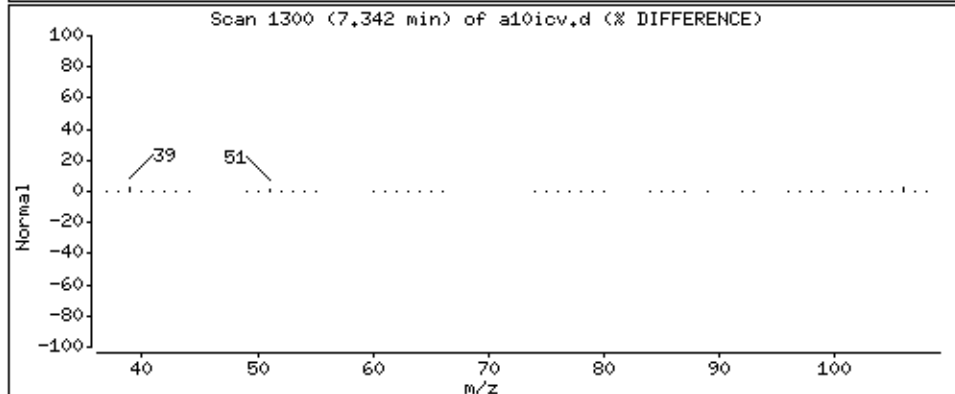
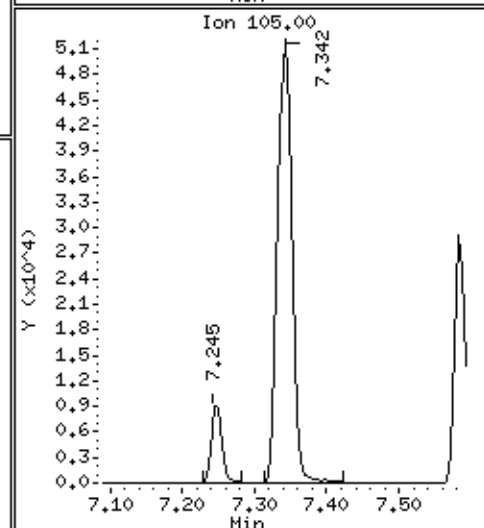
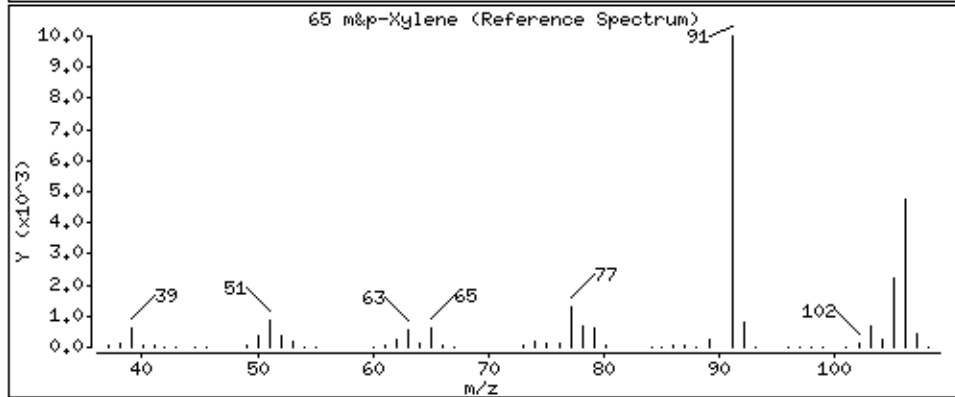
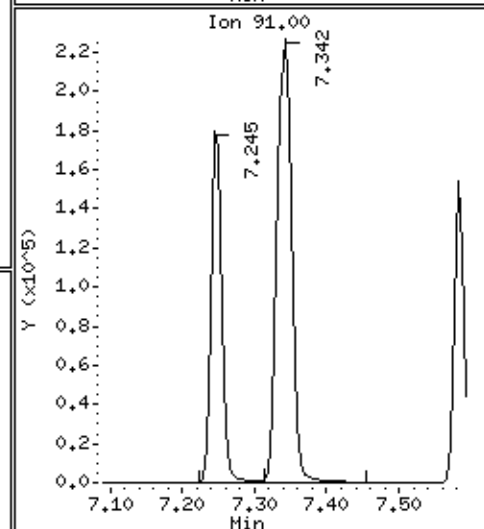
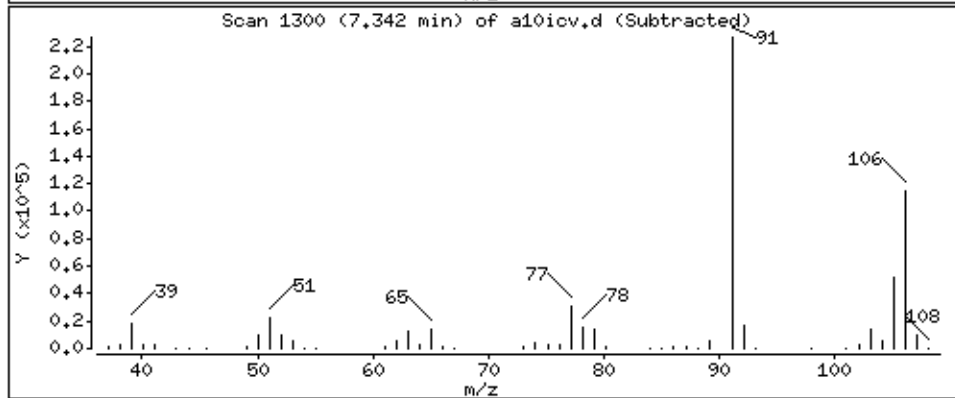
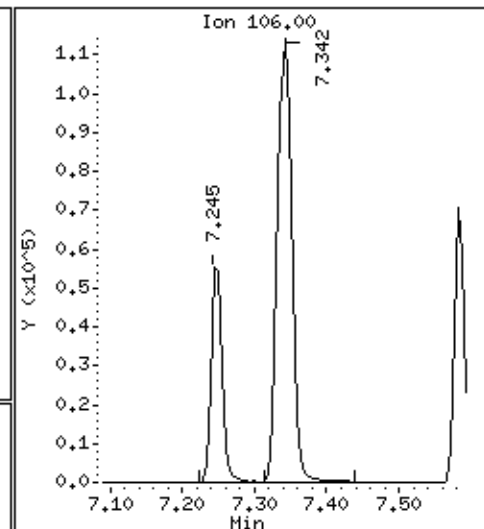
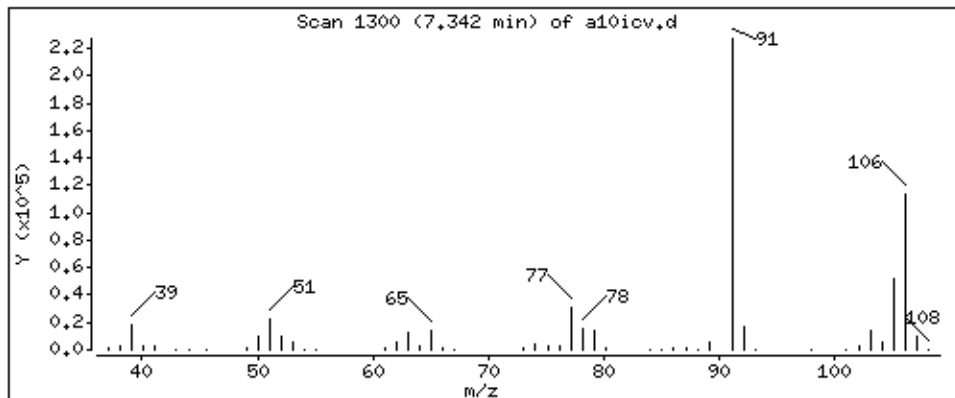
Operator: ala

Column phase: DB-624

Column diameter: 0.18

65 m&p-Xylene

Concentration: 104 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

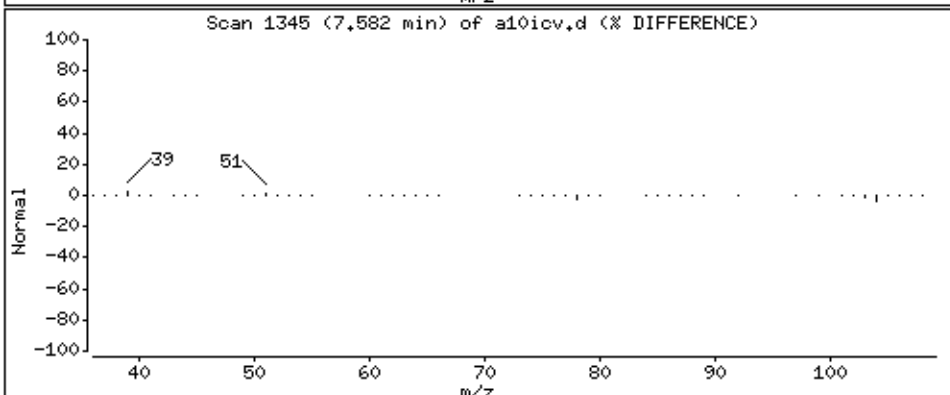
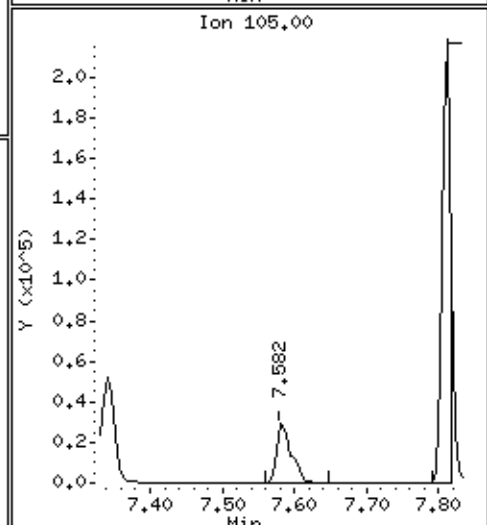
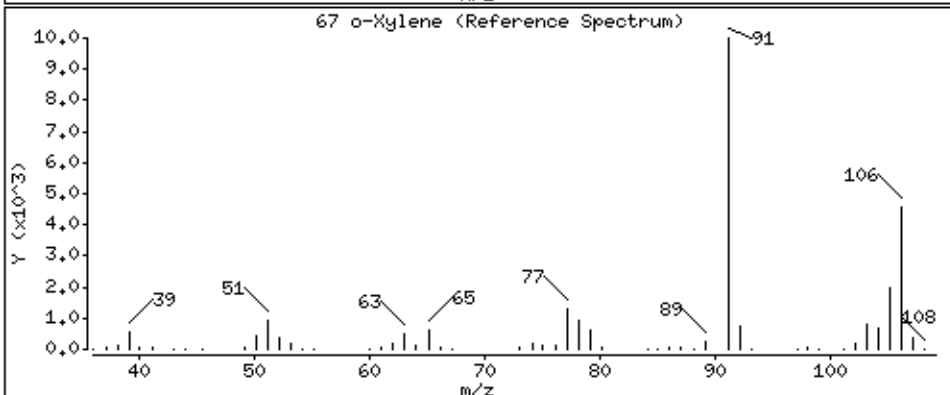
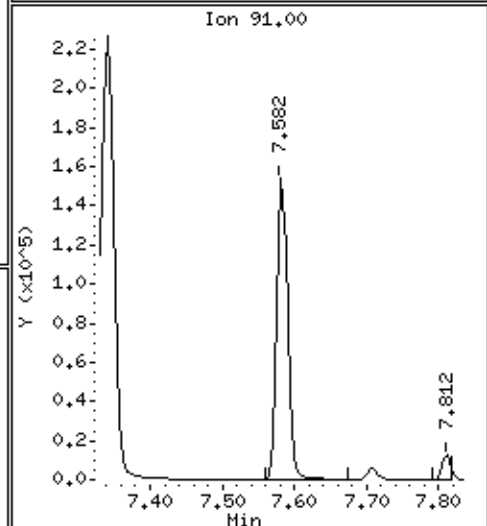
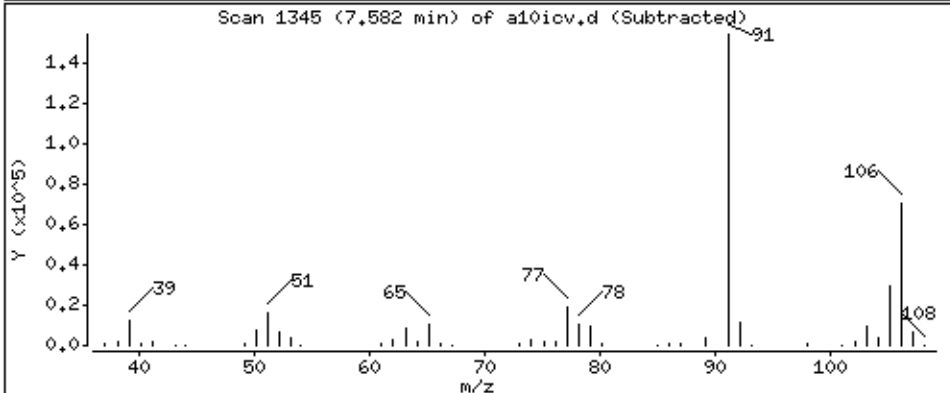
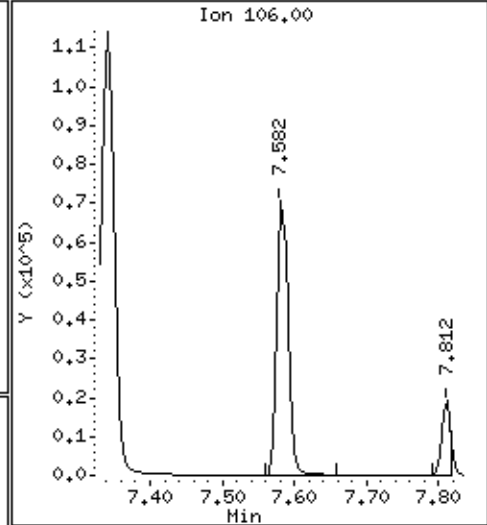
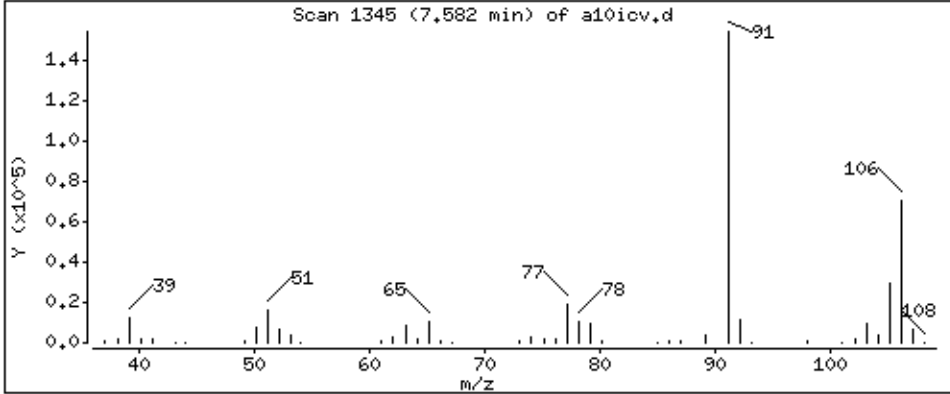
Operator: ala

Column phase: DB-624

Column diameter: 0.18

67 o-Xylene

Concentration: 53.6 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

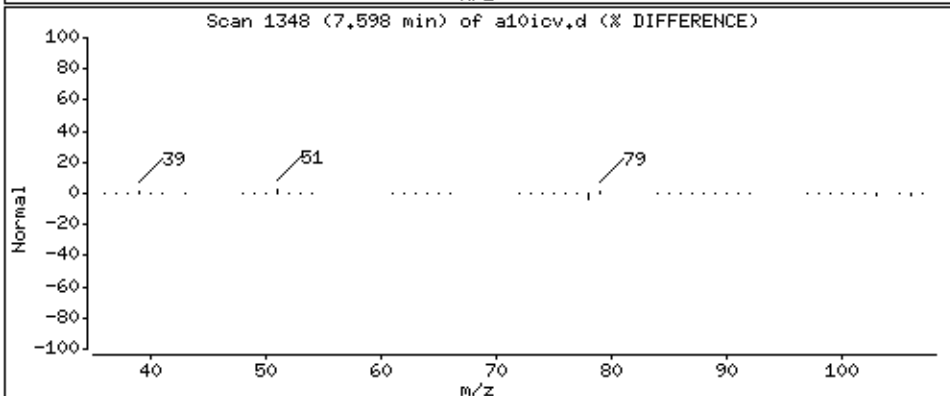
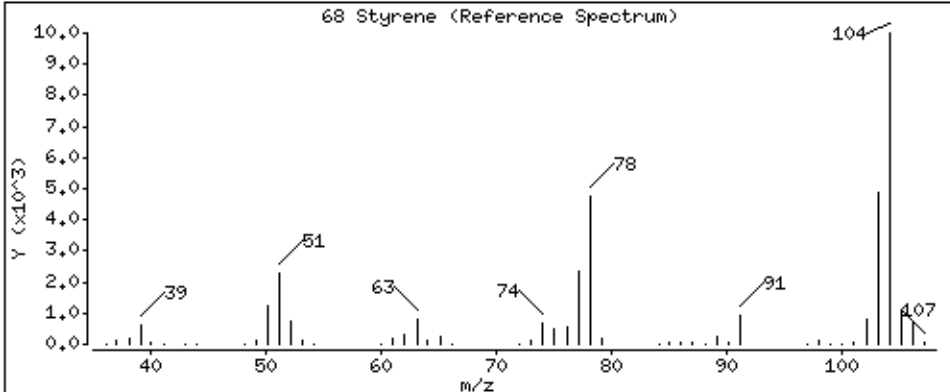
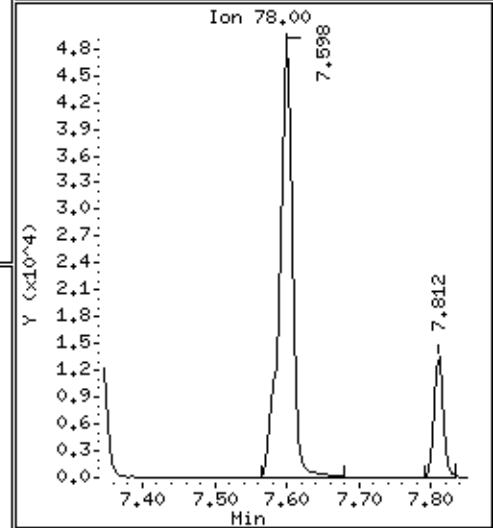
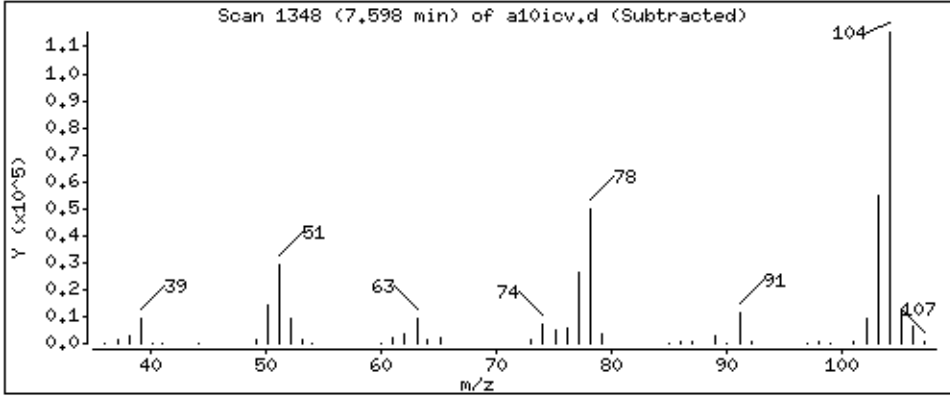
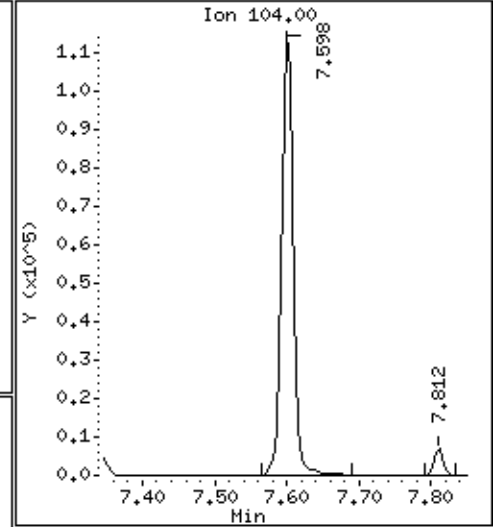
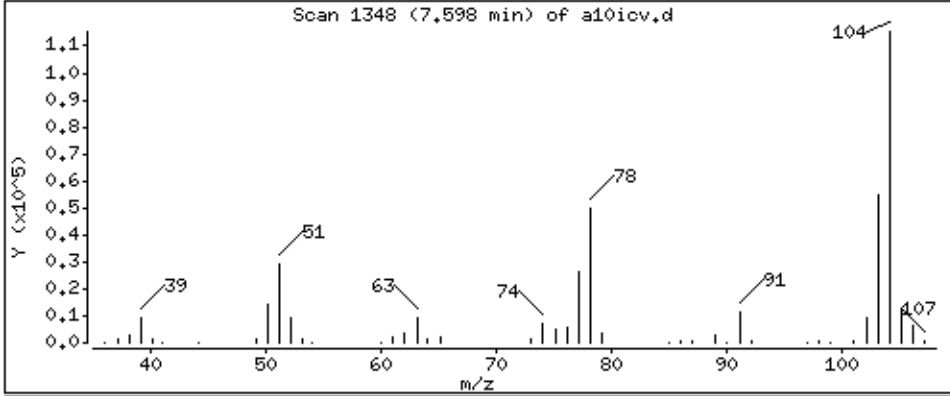
Operator: ala

Column phase: DB-624

Column diameter: 0.18

68 Styrene

Concentration: 52.2 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855;0

Purge Volume: 5.0

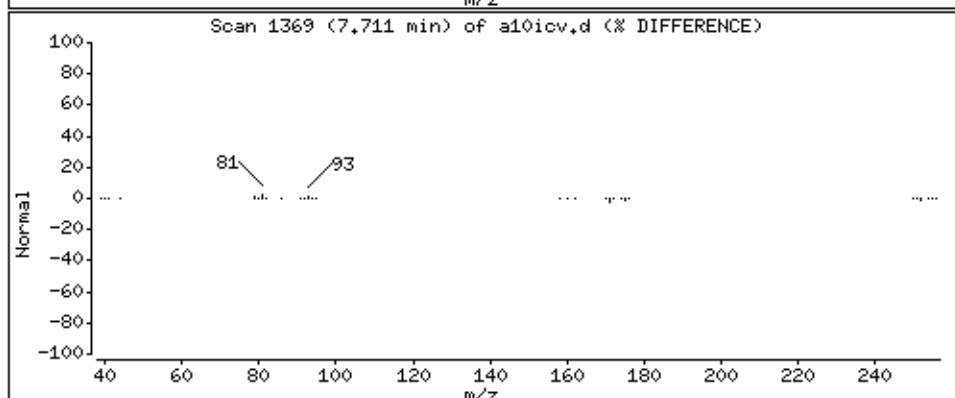
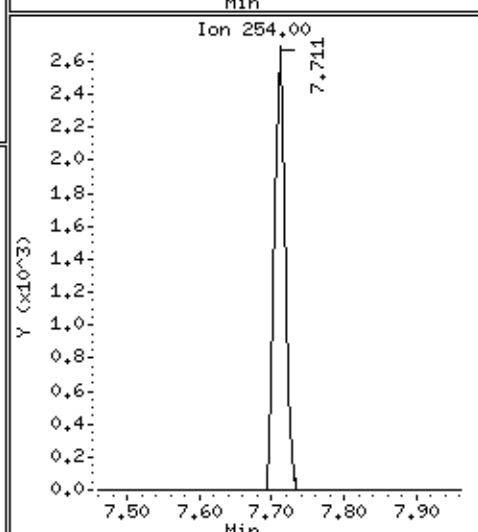
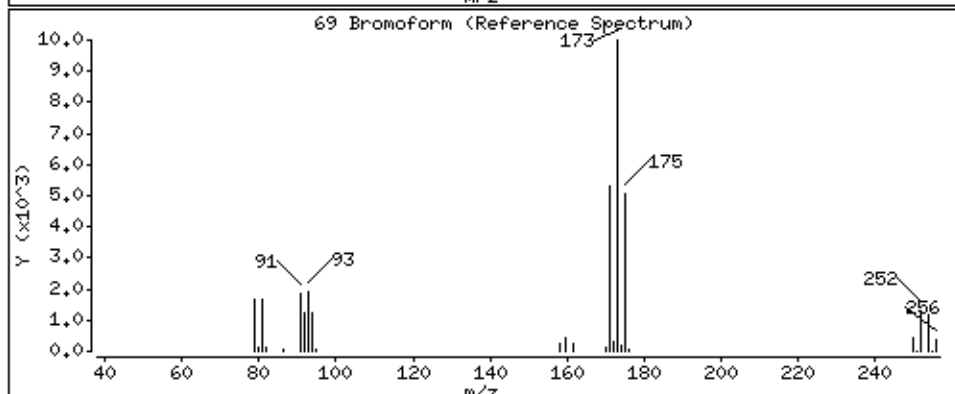
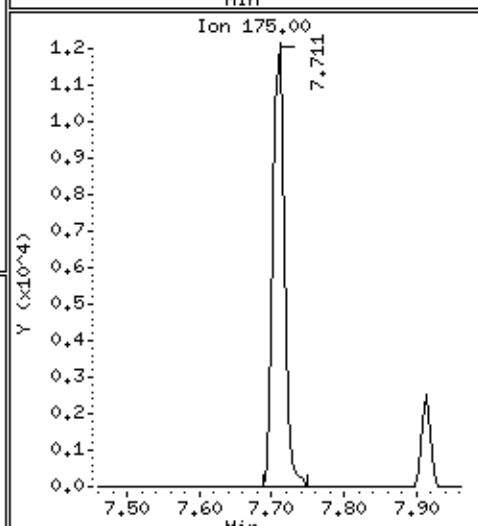
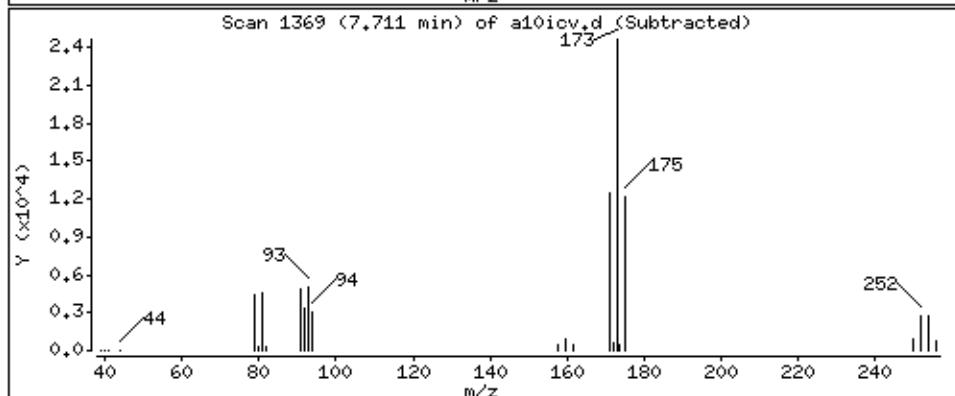
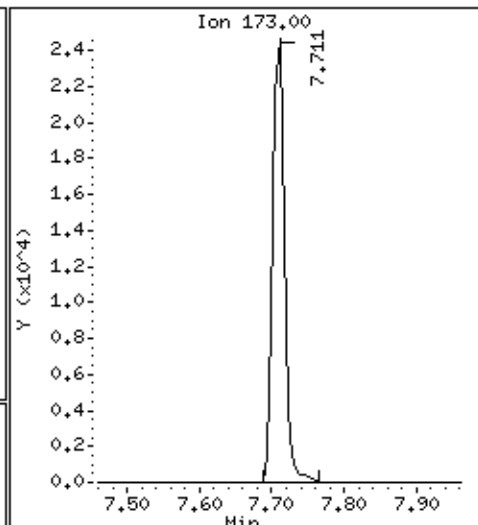
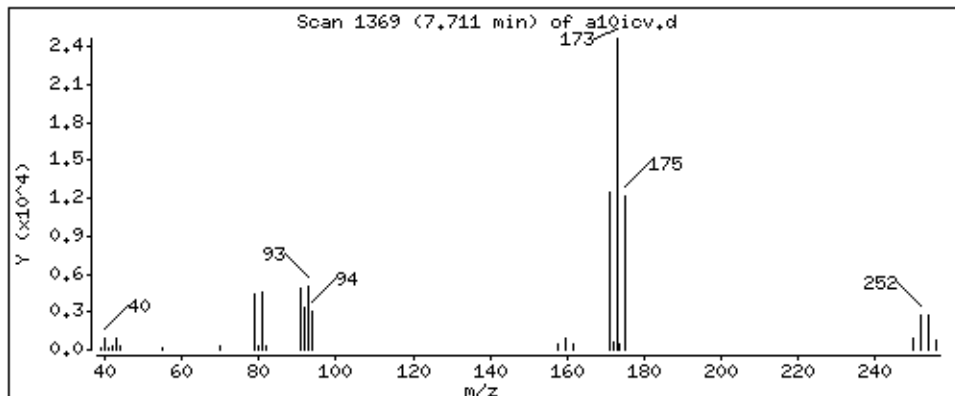
Operator: ala

Column phase: DB-624

Column diameter: 0,18

69 Bromoform

Concentration: 48,2 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855;0

Purge Volume: 5.0

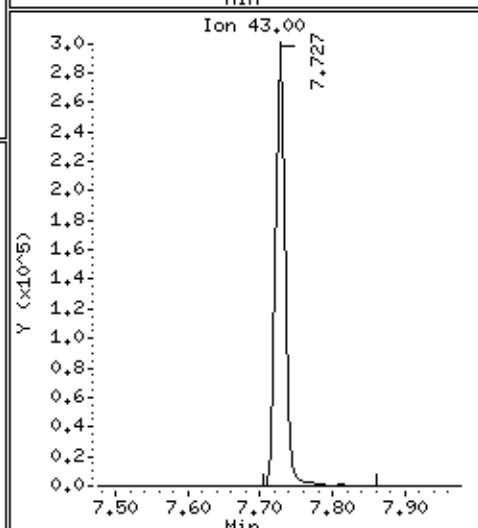
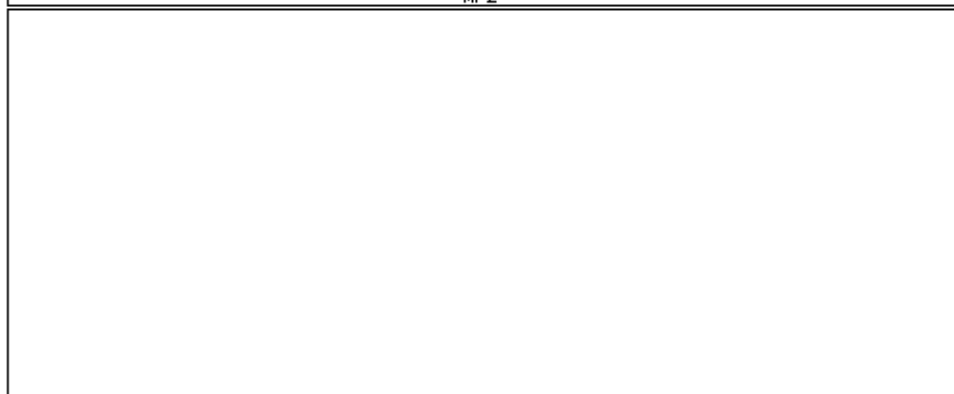
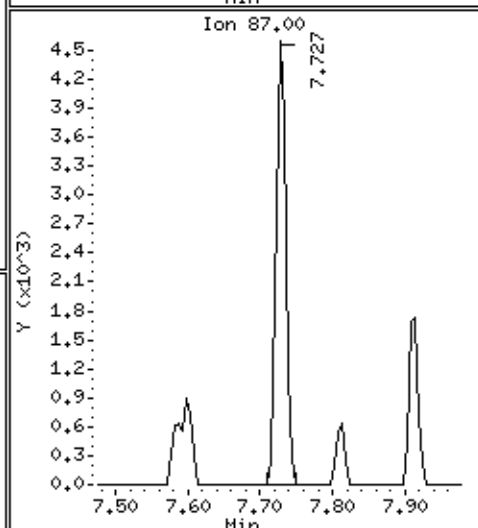
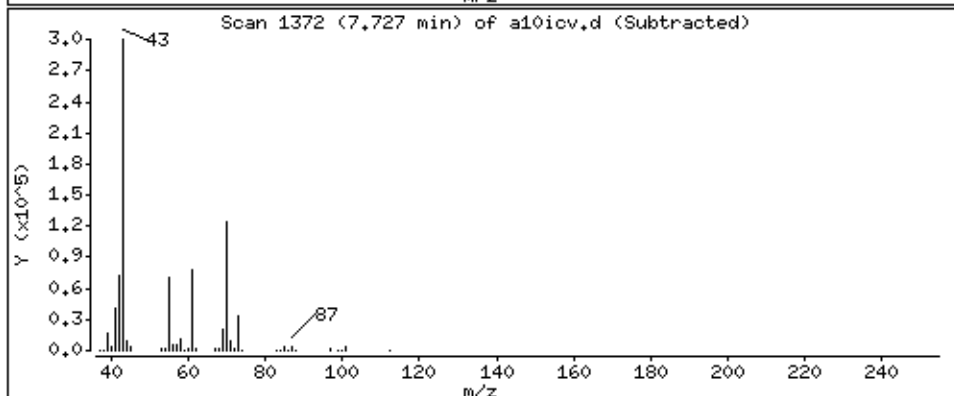
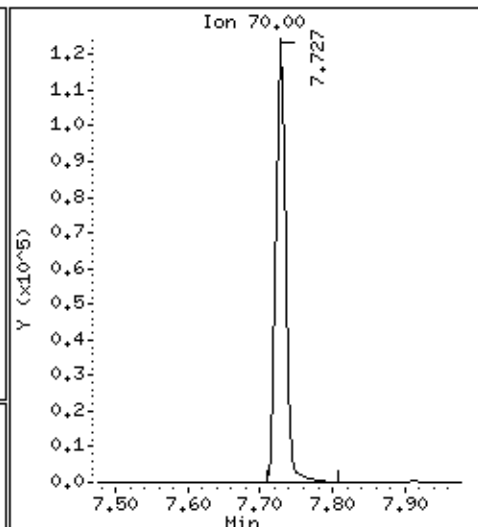
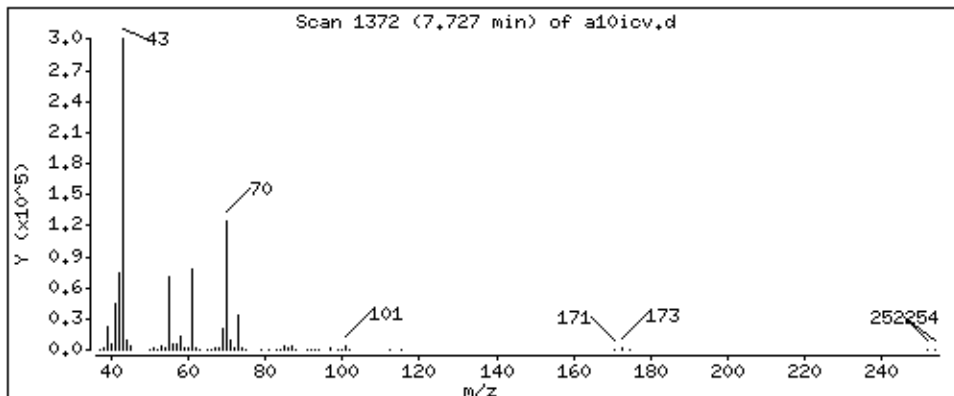
Operator: ala

Column phase: DB-624

Column diameter: 0,18

146 n-amyl acetate

Concentration: 212 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

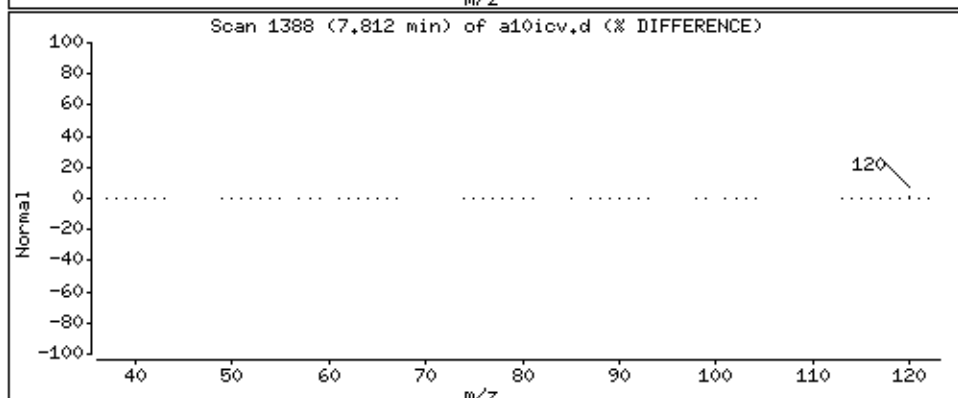
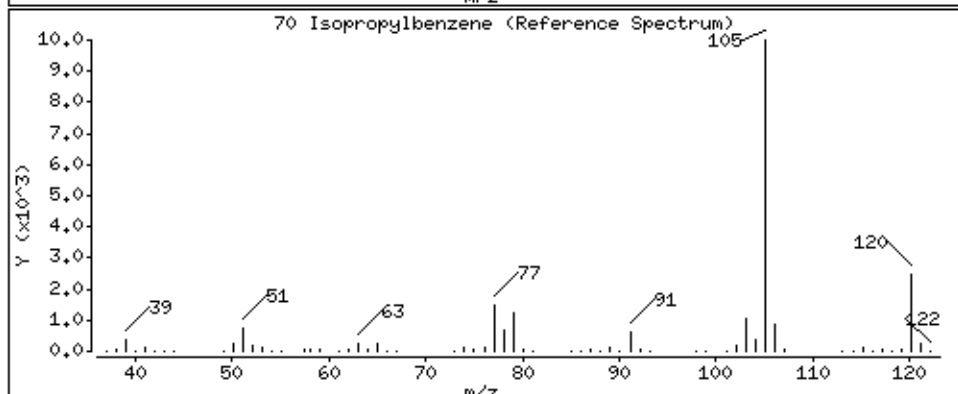
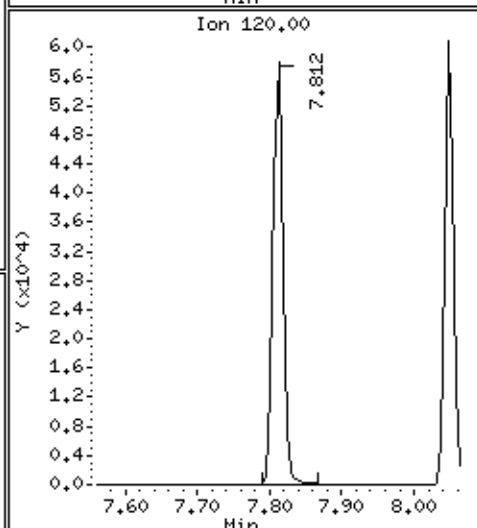
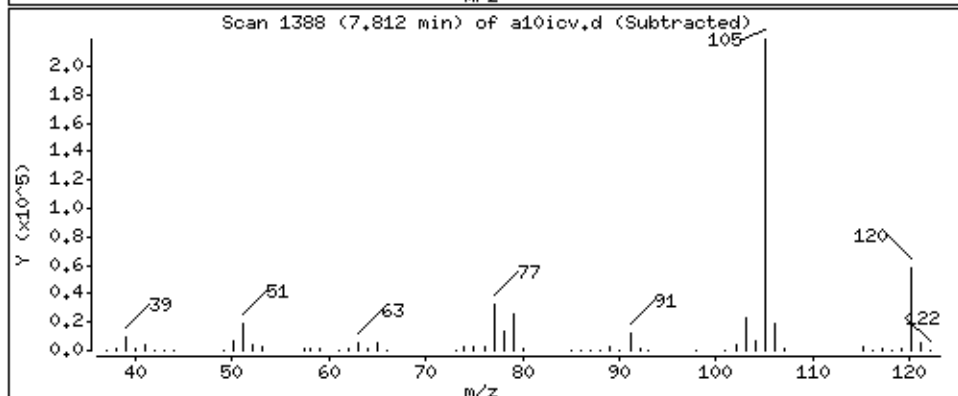
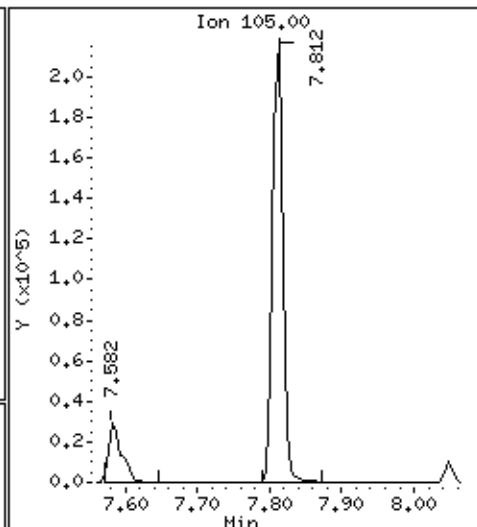
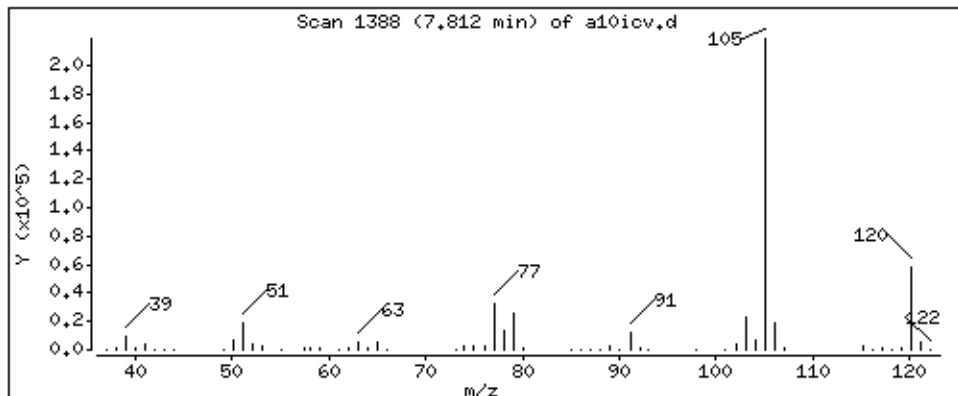
Operator: ala

Column phase: DB-624

Column diameter: 0.18

70 Isopropylbenzene

Concentration: 53.6 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

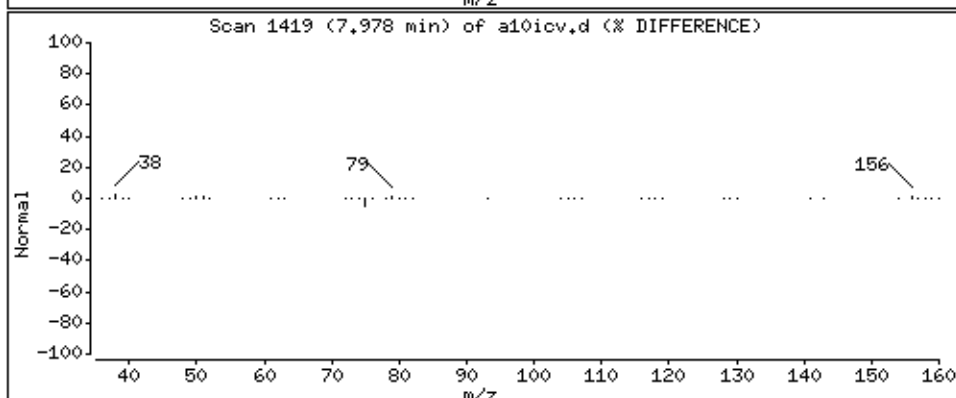
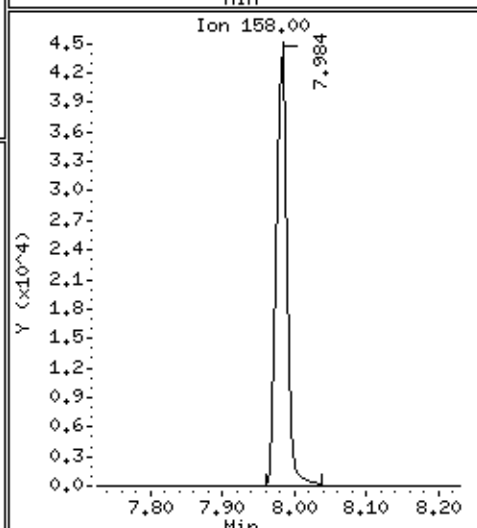
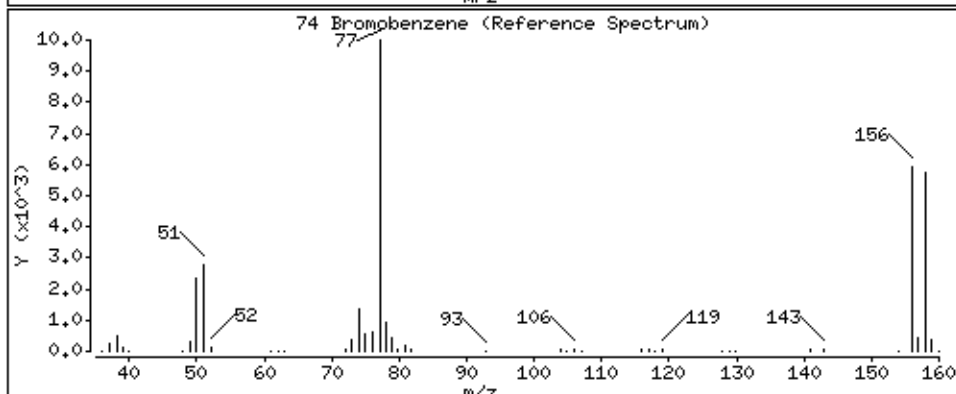
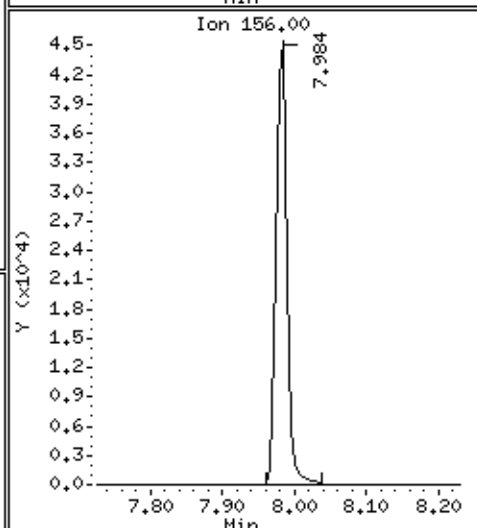
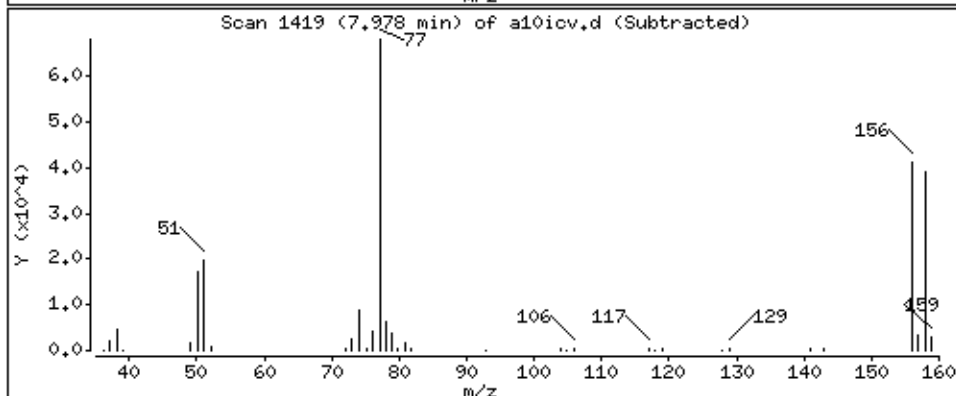
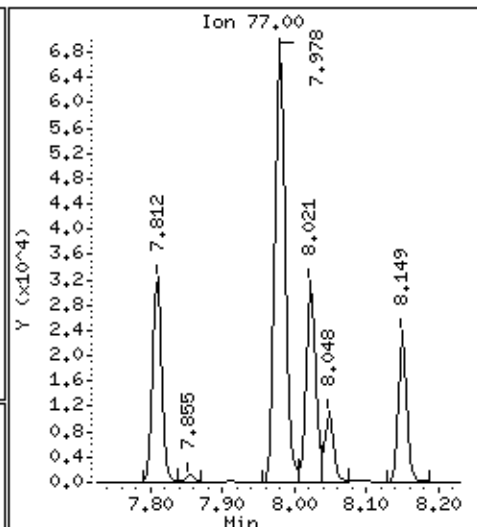
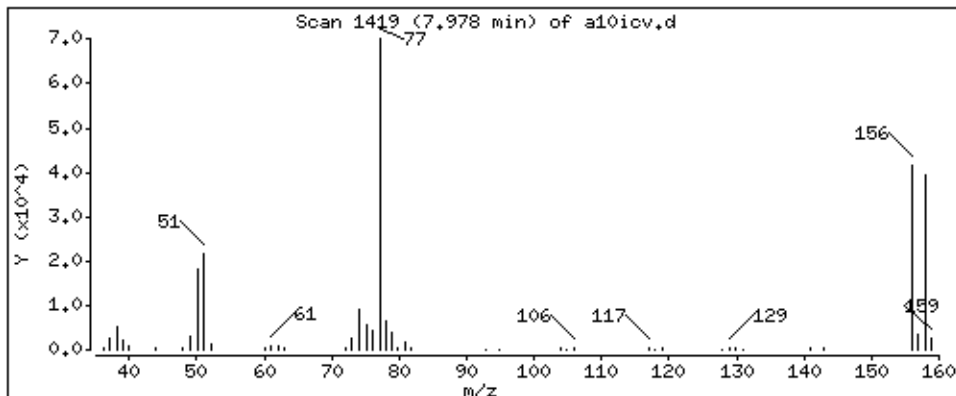
Operator: ala

Column phase: DB-624

Column diameter: 0,18

74 Bromobenzene

Concentration: 49.0 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

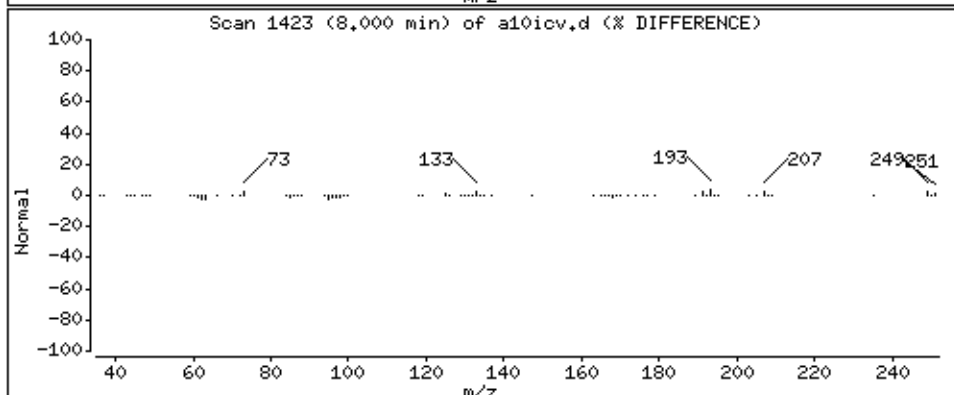
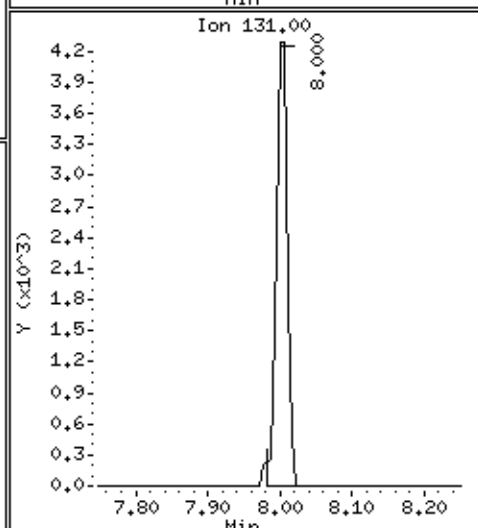
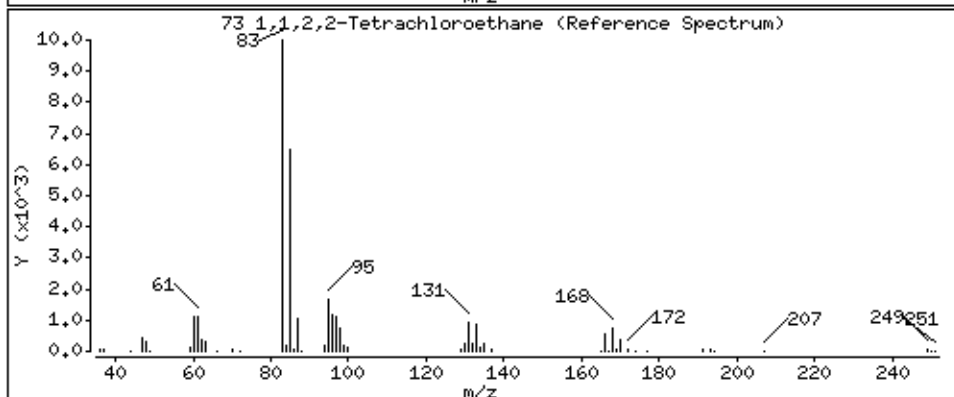
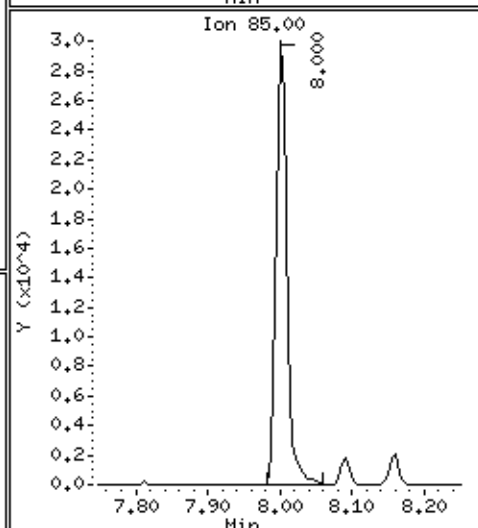
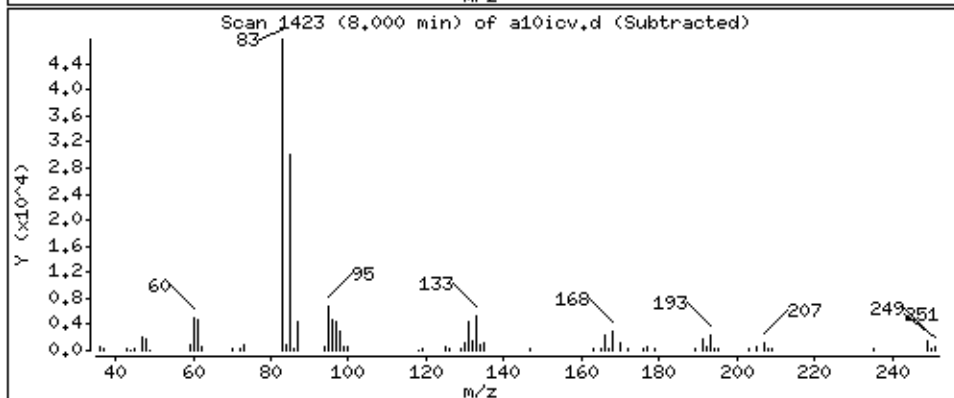
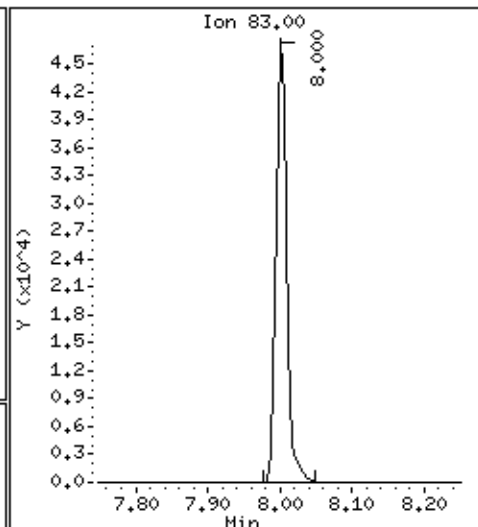
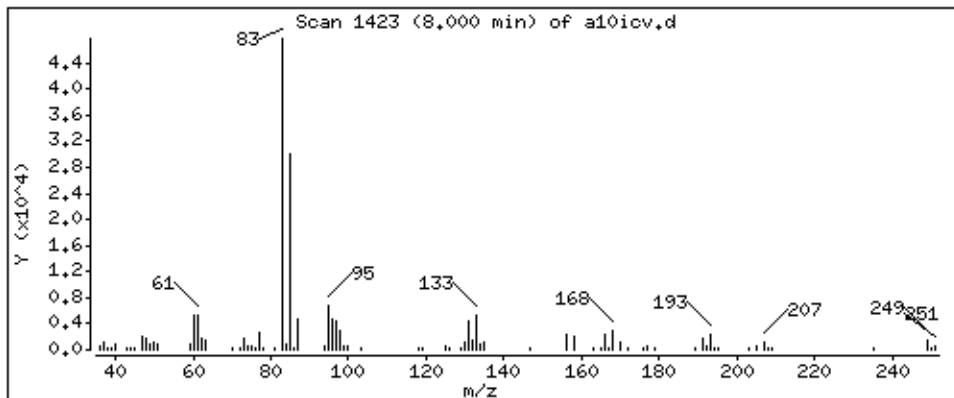
Operator: ala

Column phase: DB-624

Column diameter: 0,18

73 1,1,2,2-Tetrachloroethane

Concentration: 47.4 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

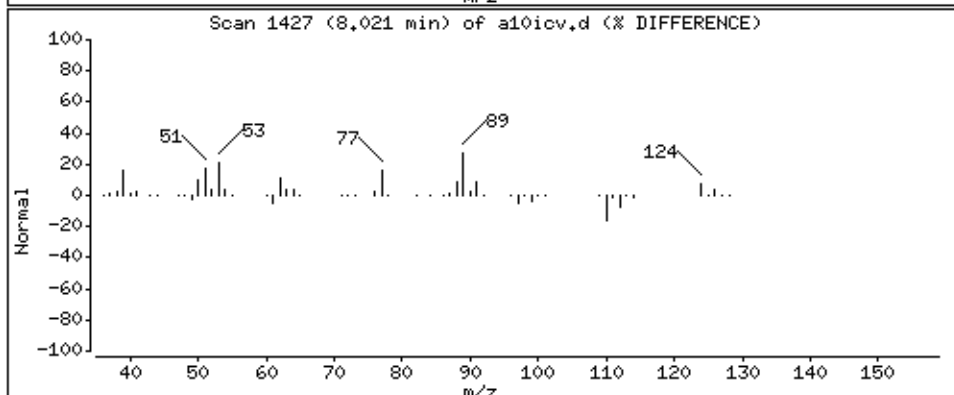
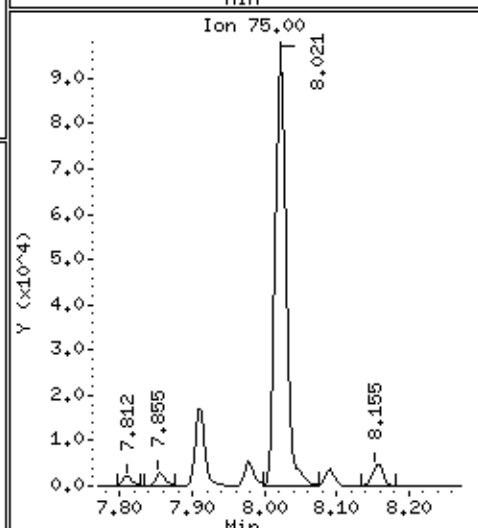
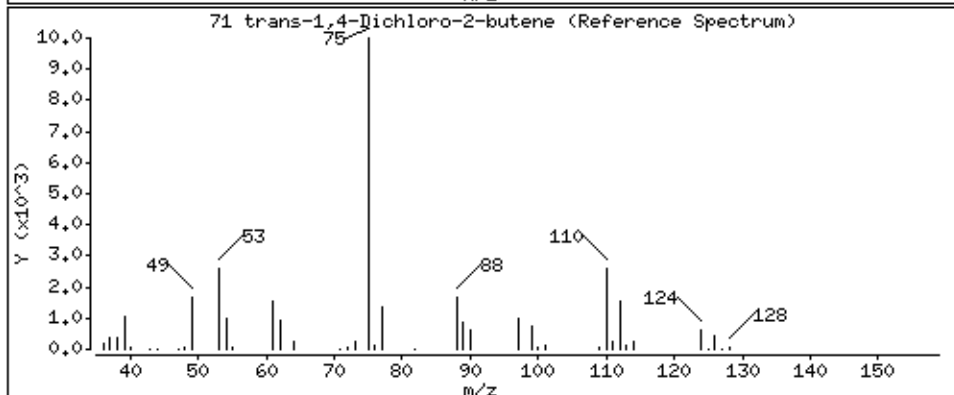
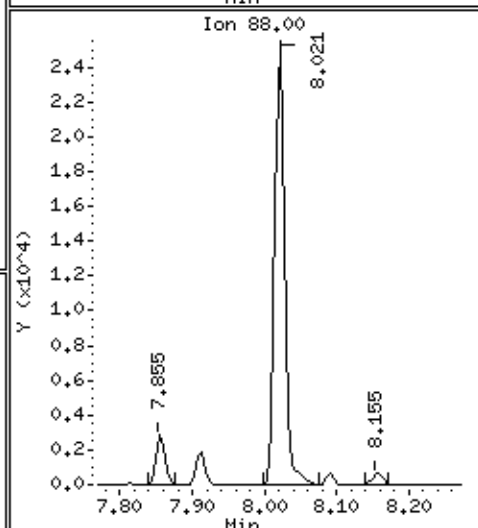
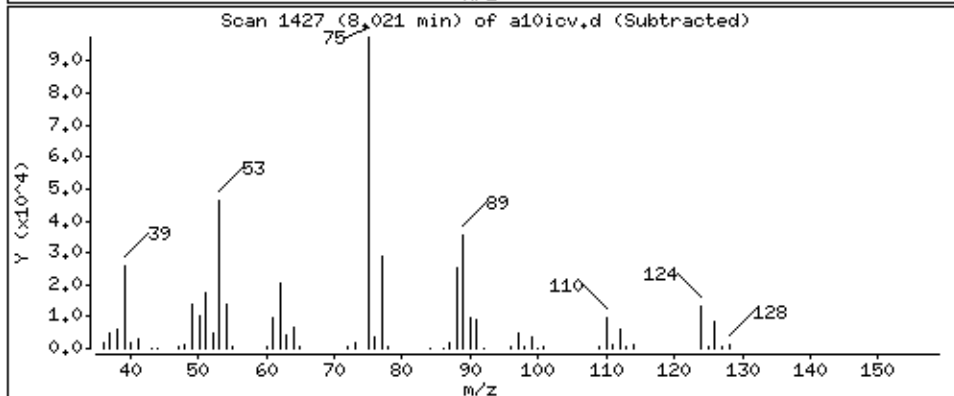
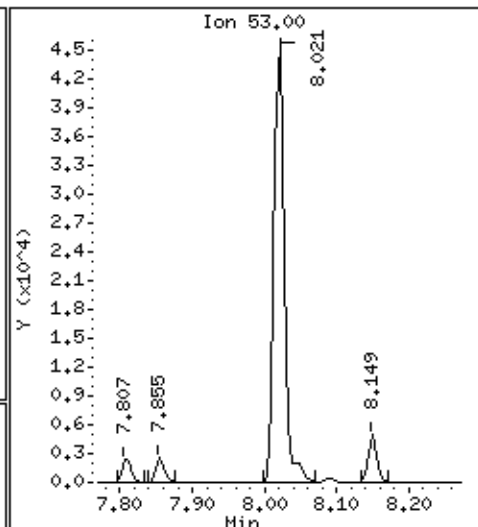
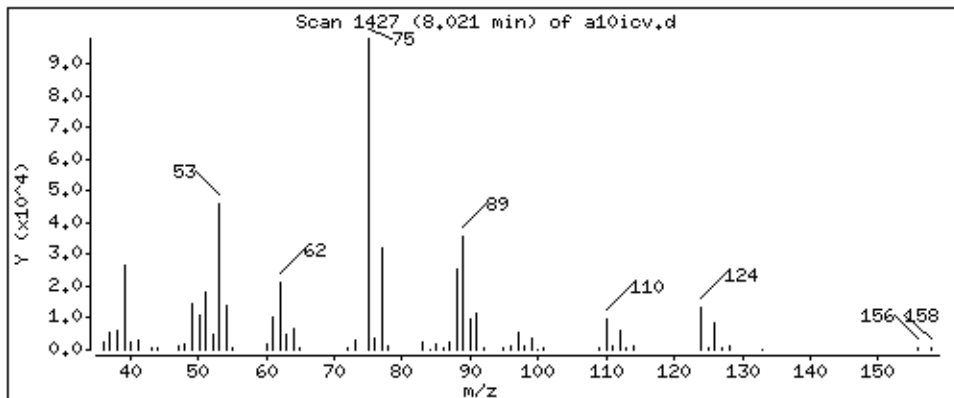
Operator: ala

Column phase: DB-624

Column diameter: 0,18

71 trans-1,4-Dichloro-2-butene

Concentration: 181 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

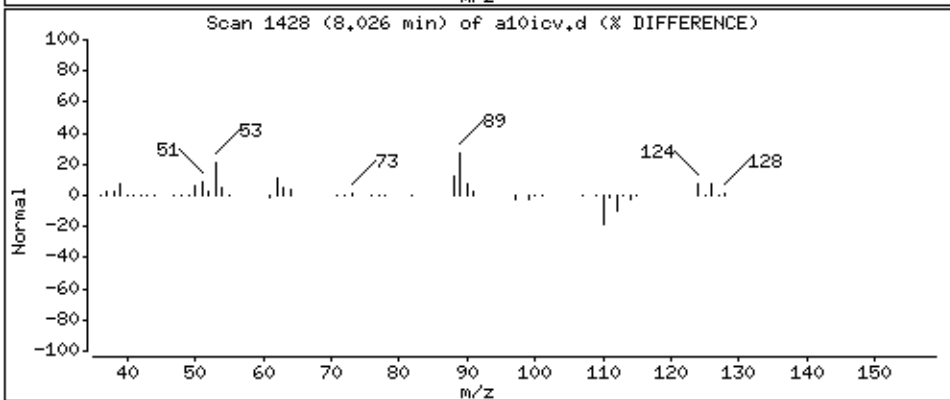
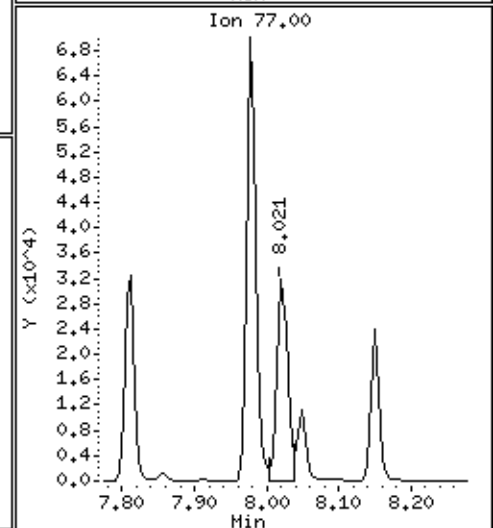
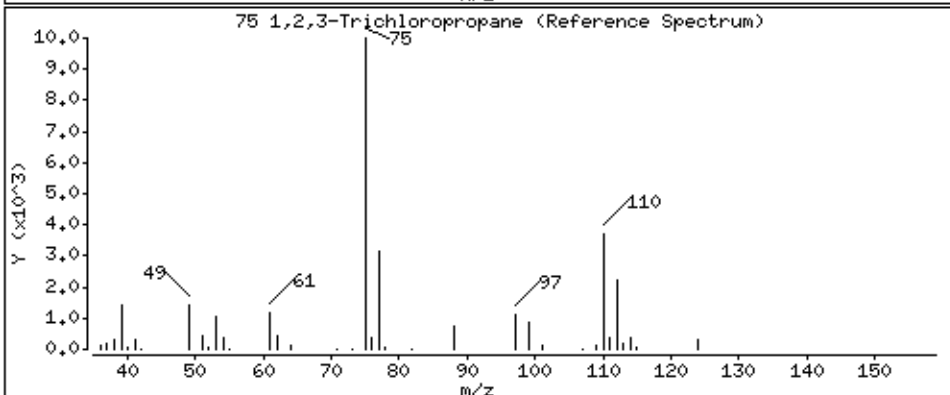
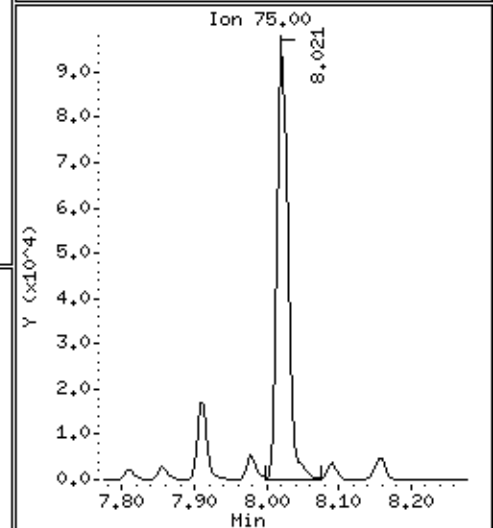
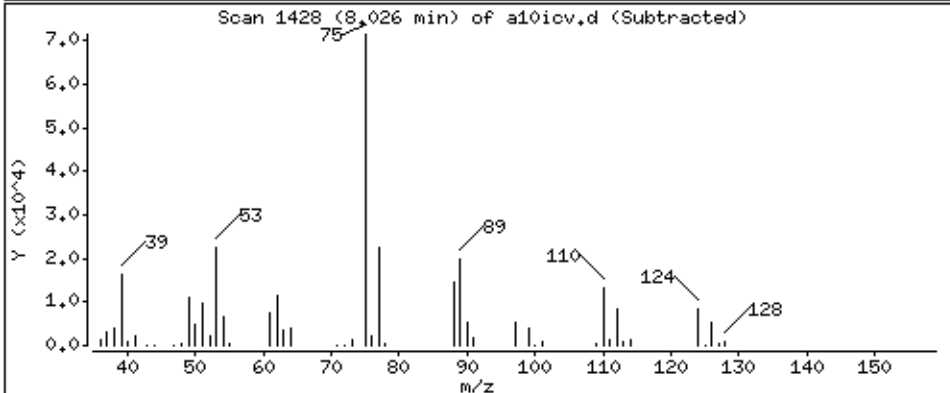
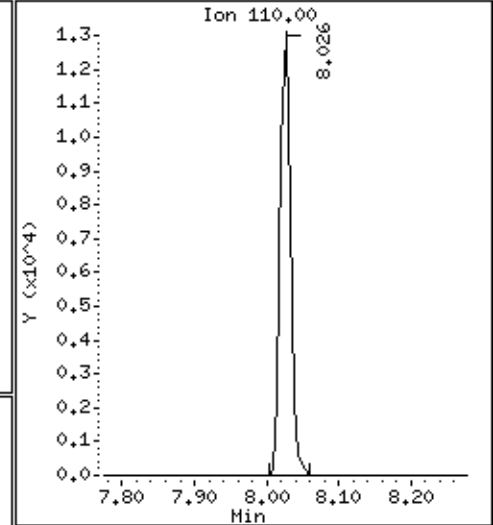
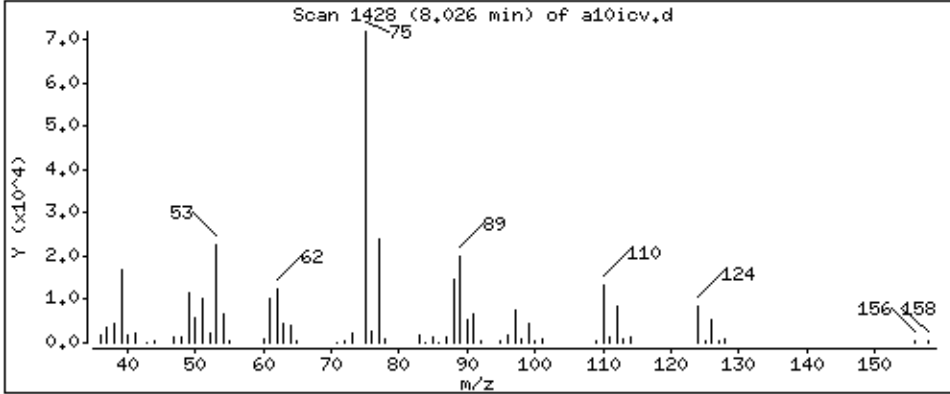
Operator: ala

Column phase: DB-624

Column diameter: 0.18

75 1,2,3-Trichloropropane

Concentration: 52.4 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

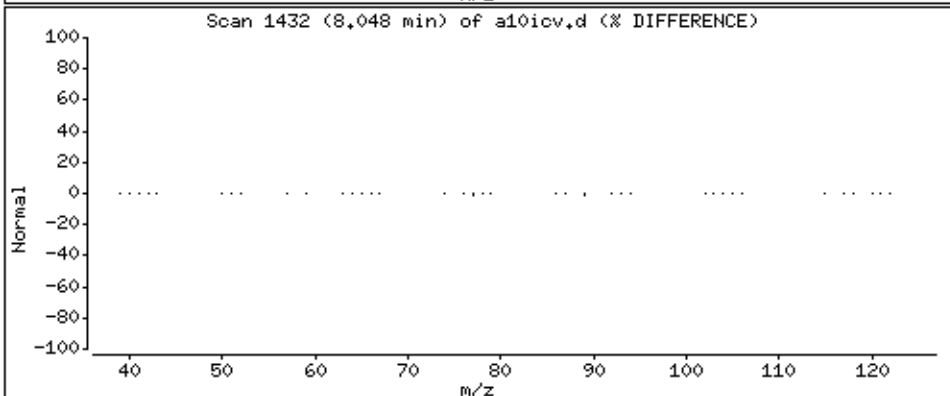
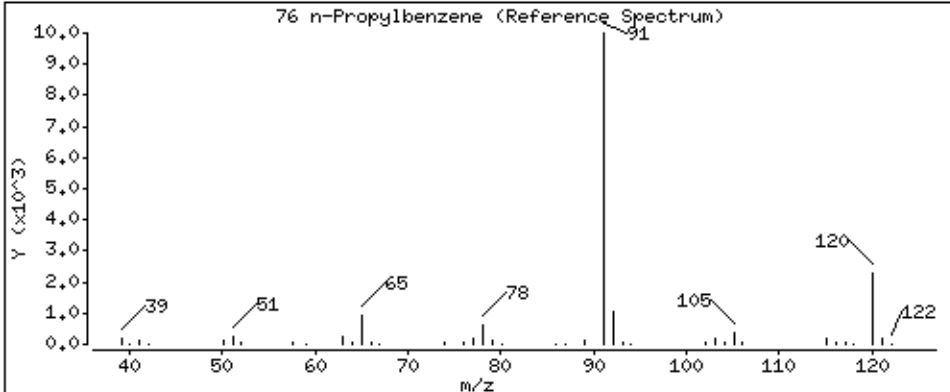
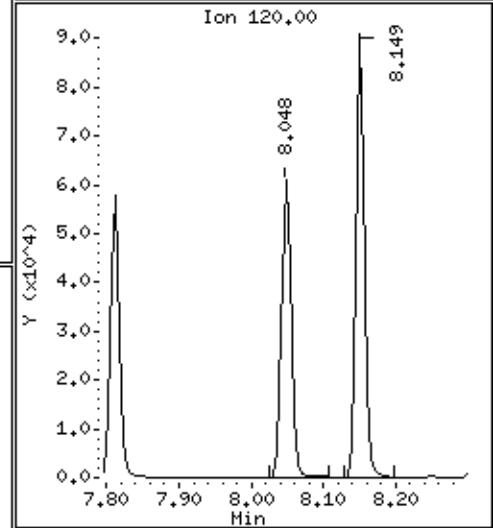
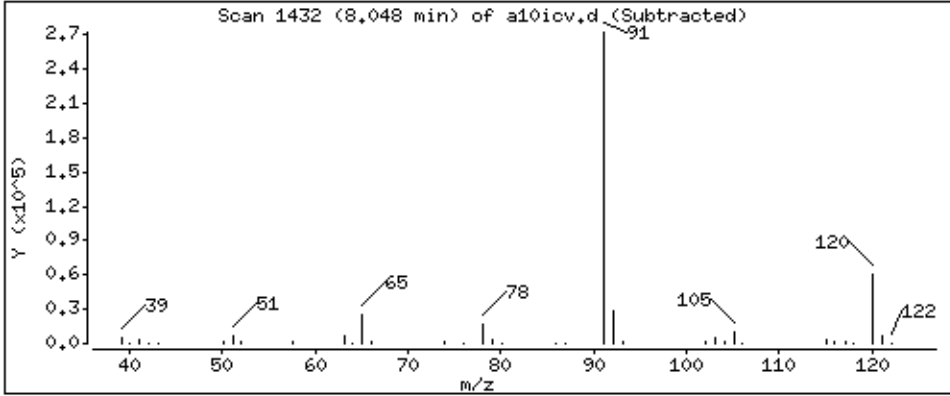
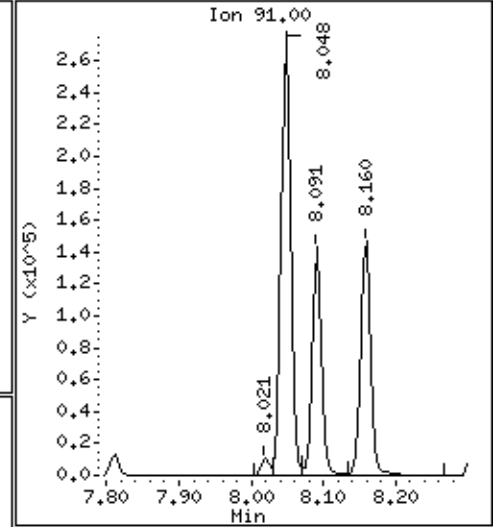
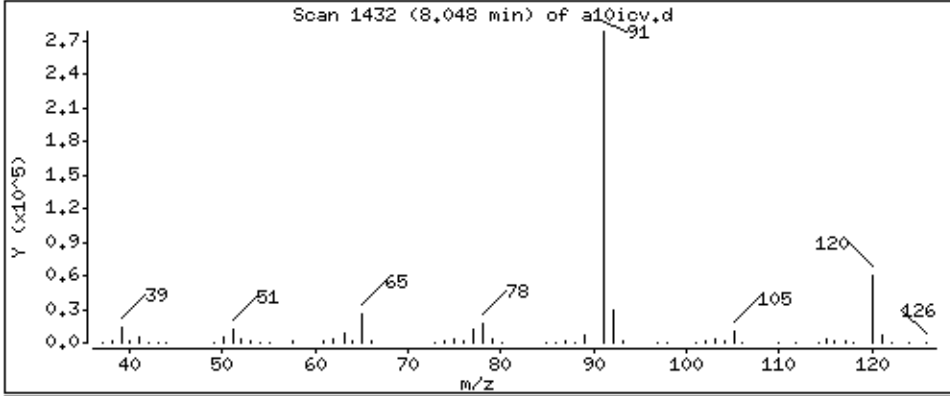
Operator: ala

Column phase: DB-624

Column diameter: 0.18

76 n-Propylbenzene

Concentration: 50.4 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

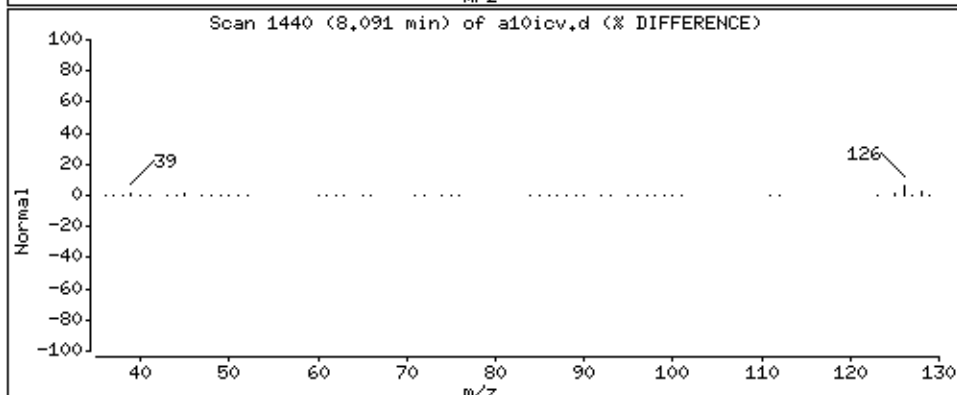
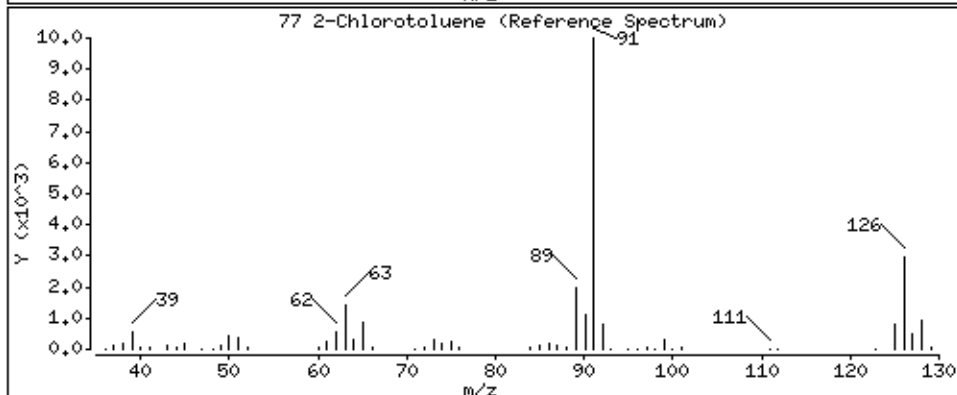
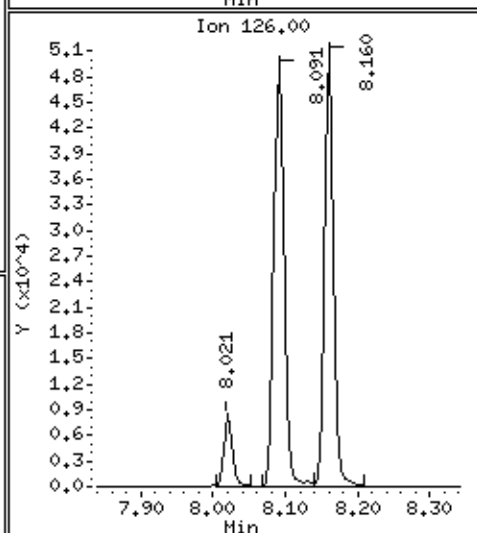
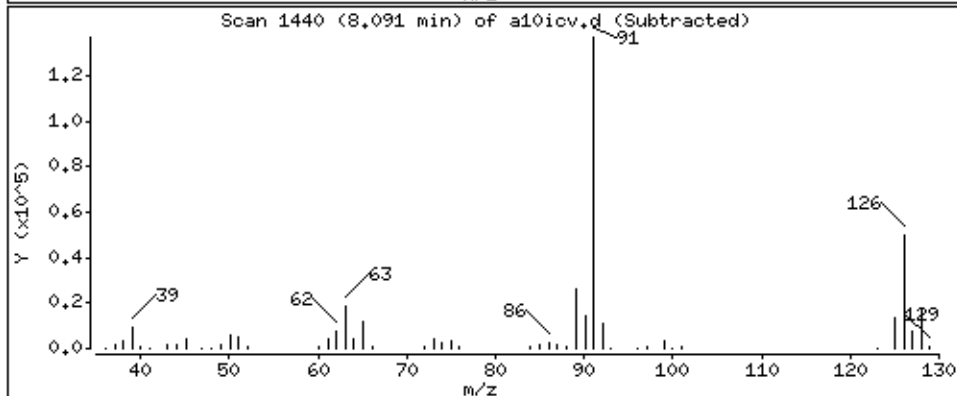
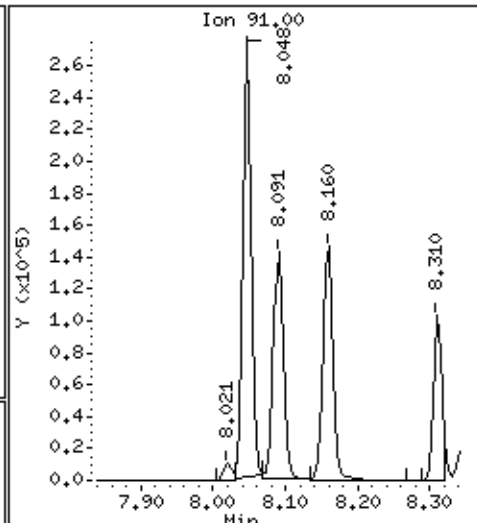
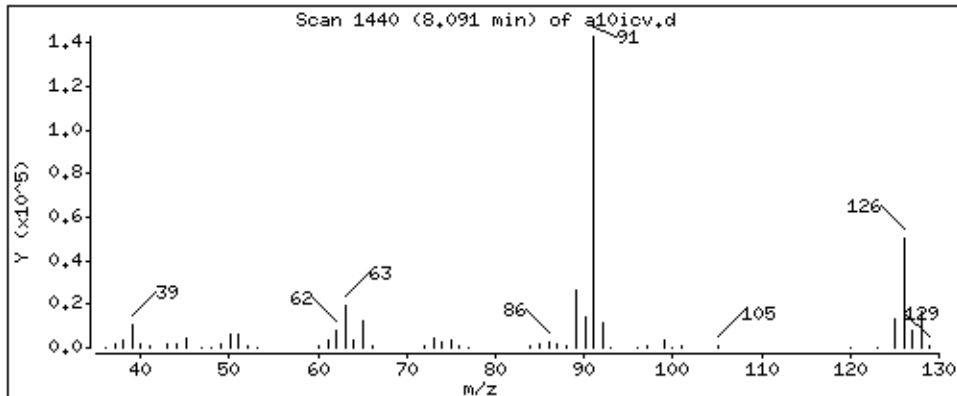
Operator: ala

Column phase: DB-624

Column diameter: 0,18

77 2-Chlorotoluene

Concentration: 49,2 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

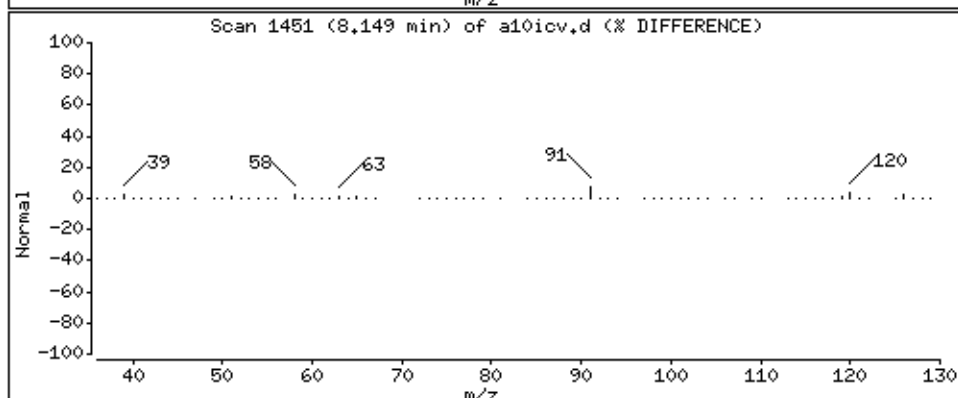
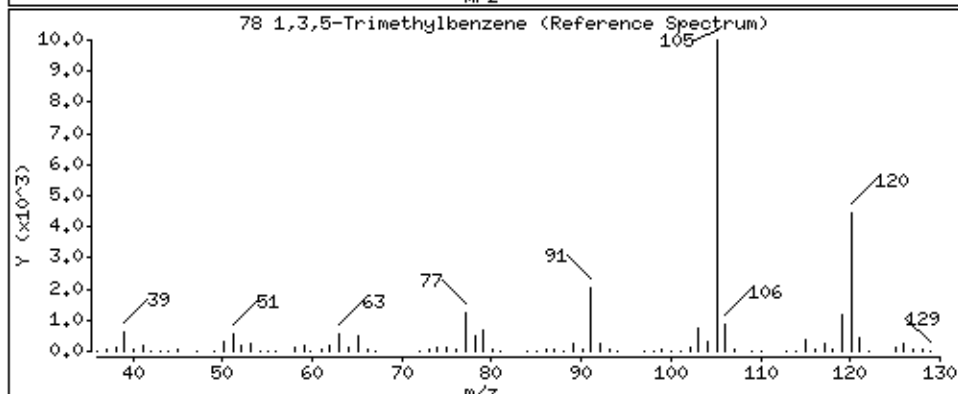
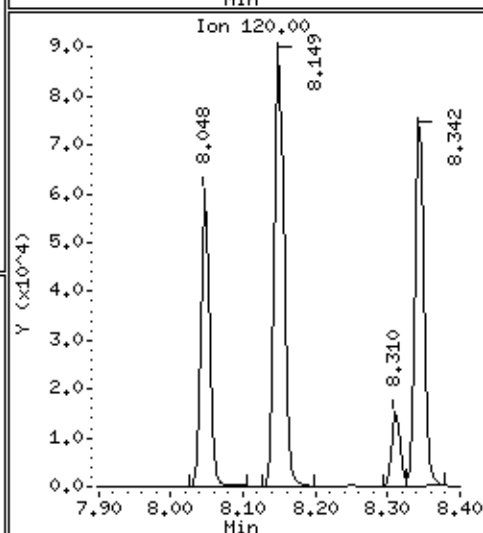
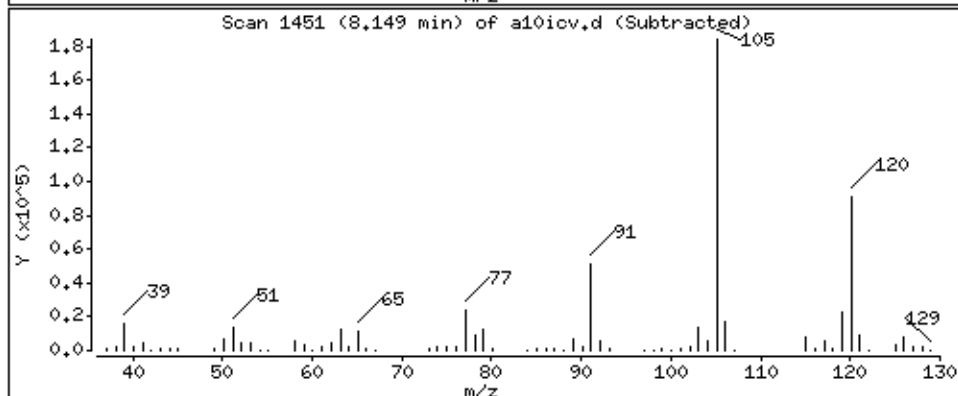
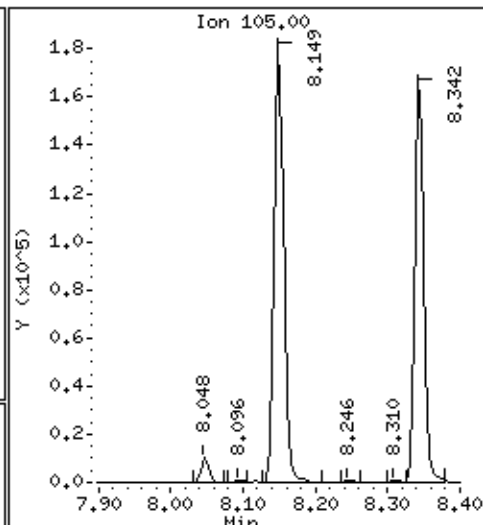
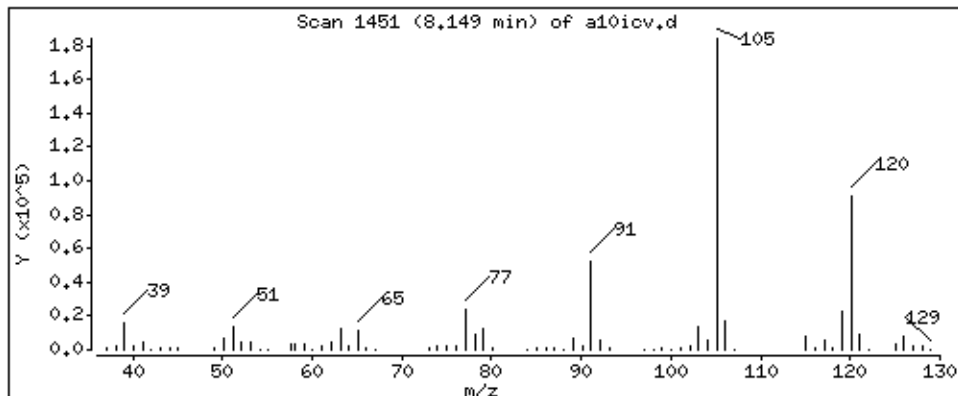
Operator: ala

Column phase: DB-624

Column diameter: 0.18

78 1,3,5-Trimethylbenzene

Concentration: 52.6 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855;0

Purge Volume: 5.0

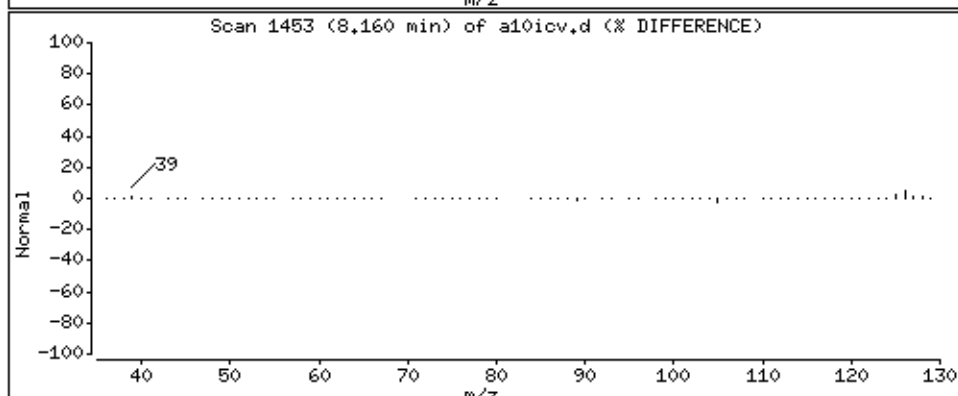
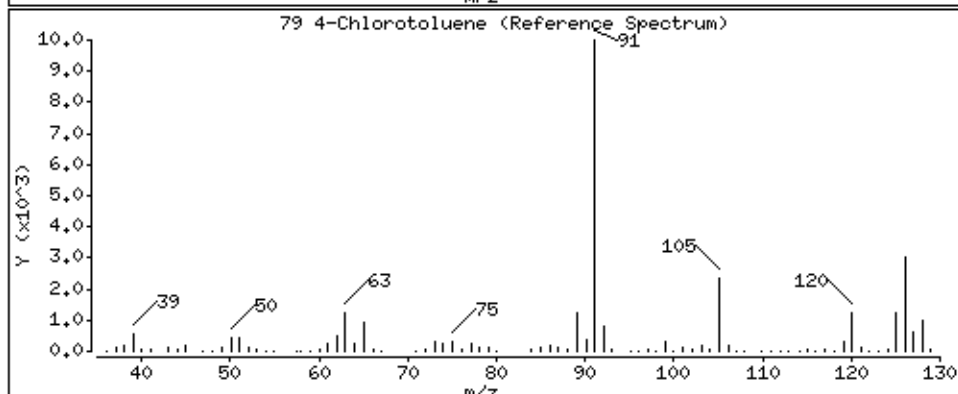
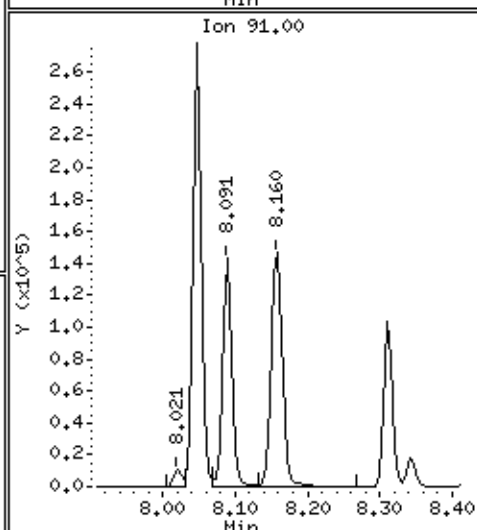
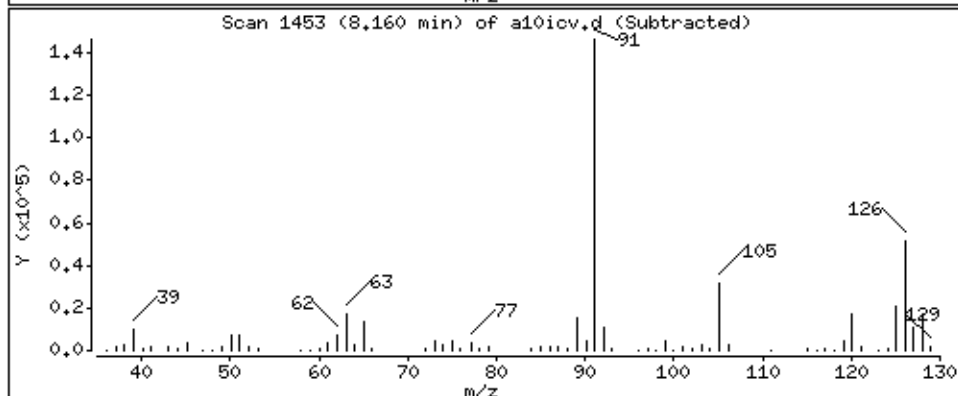
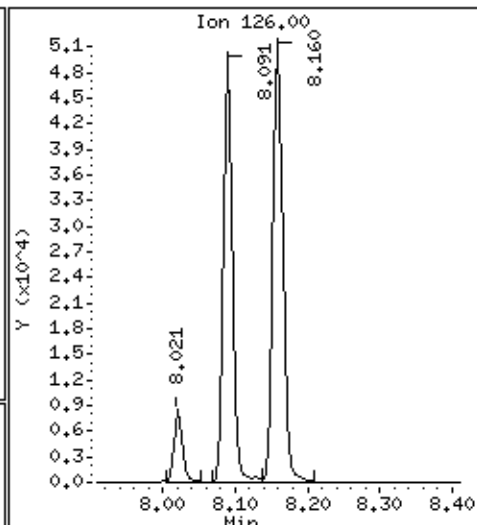
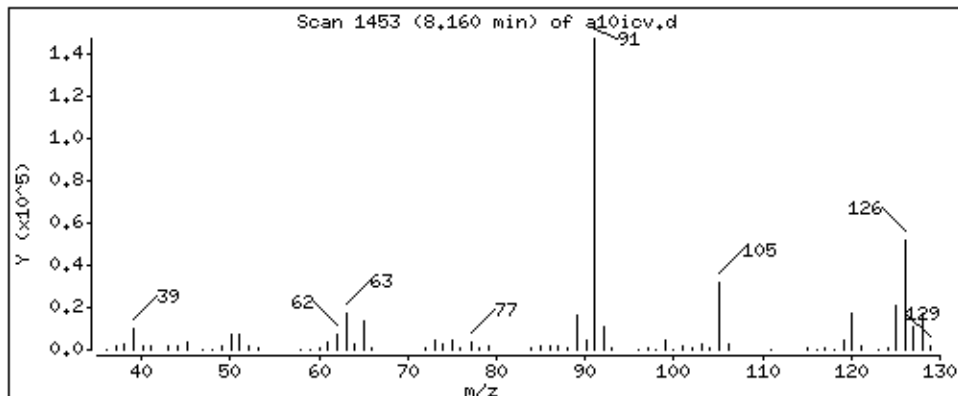
Operator: ala

Column phase: DB-624

Column diameter: 0,18

79 4-Chlorotoluene

Concentration: 51.0 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855;0

Purge Volume: 5.0

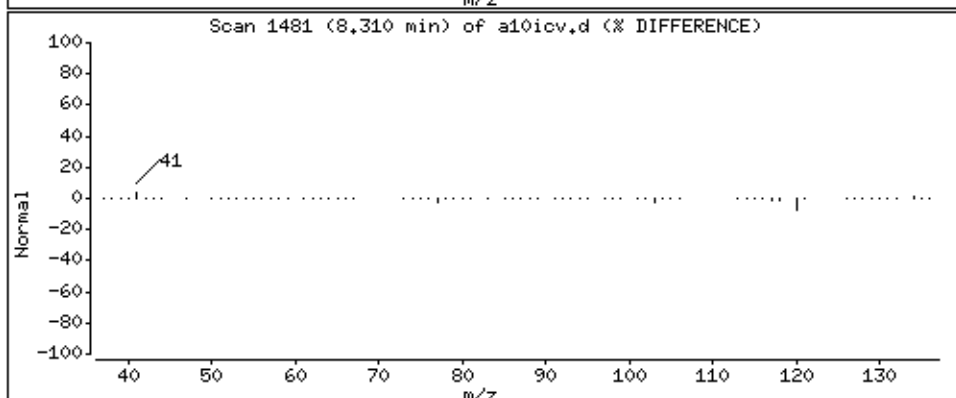
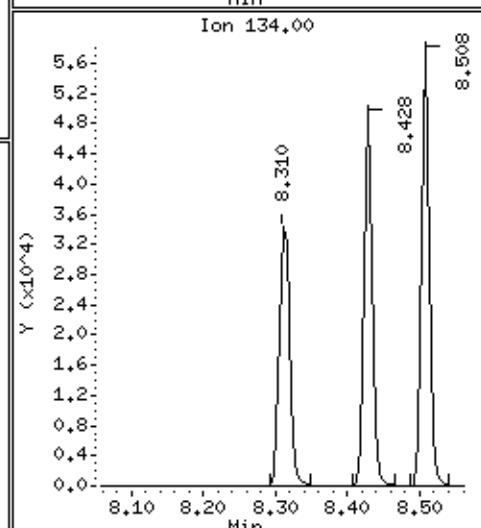
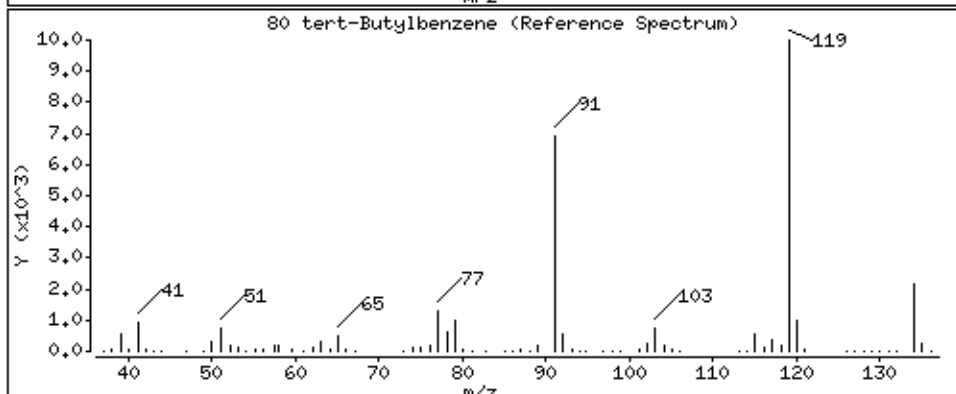
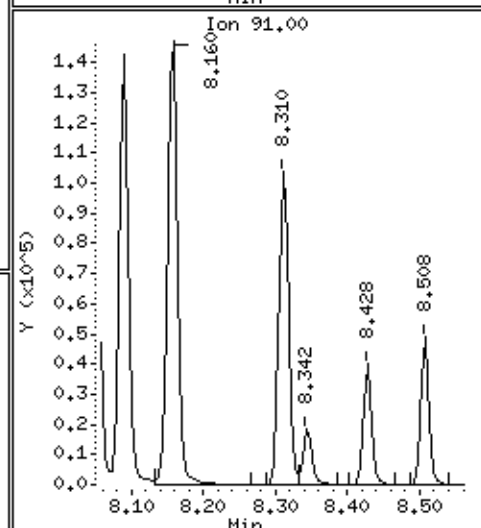
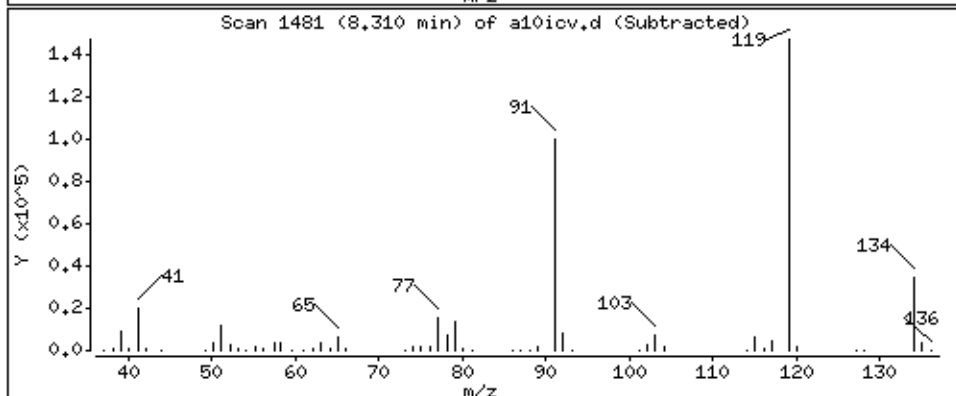
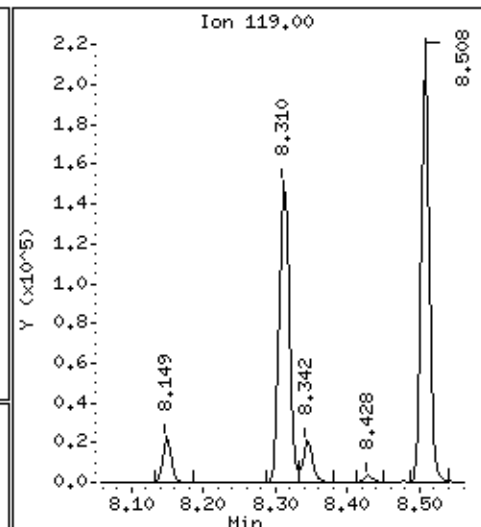
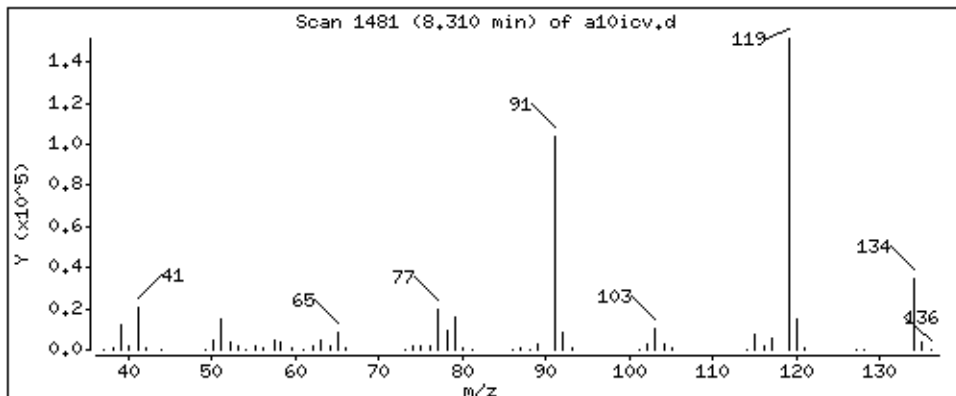
Operator: ala

Column phase: DB-624

Column diameter: 0,18

80 tert-Butylbenzene

Concentration: 39,7 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855;0

Purge Volume: 5.0

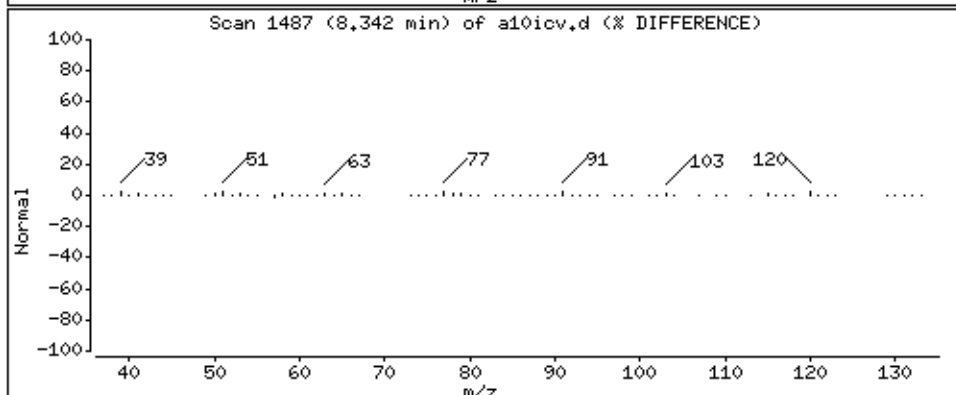
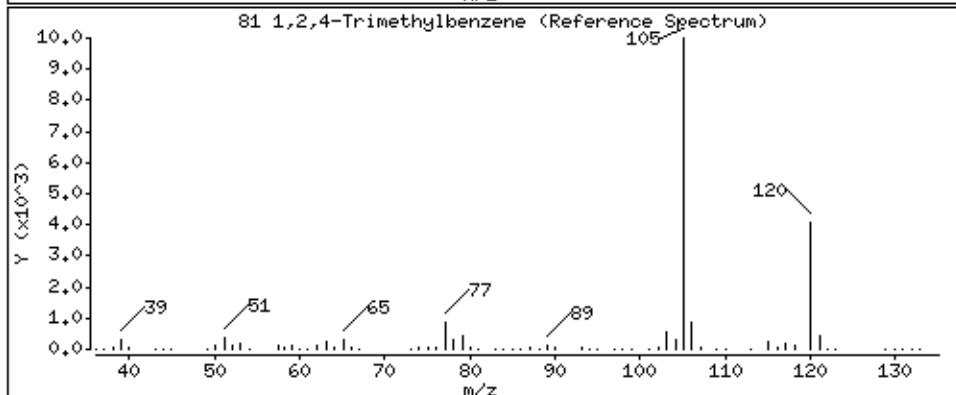
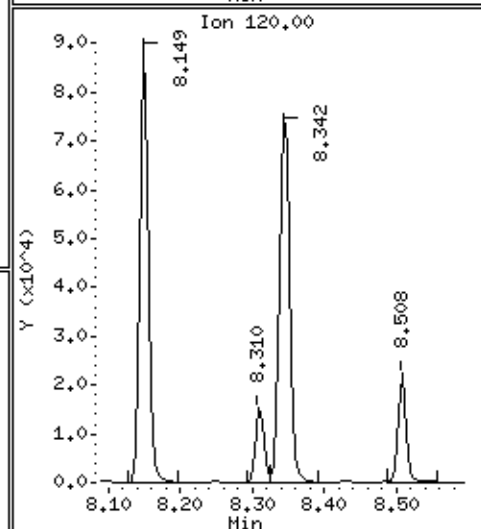
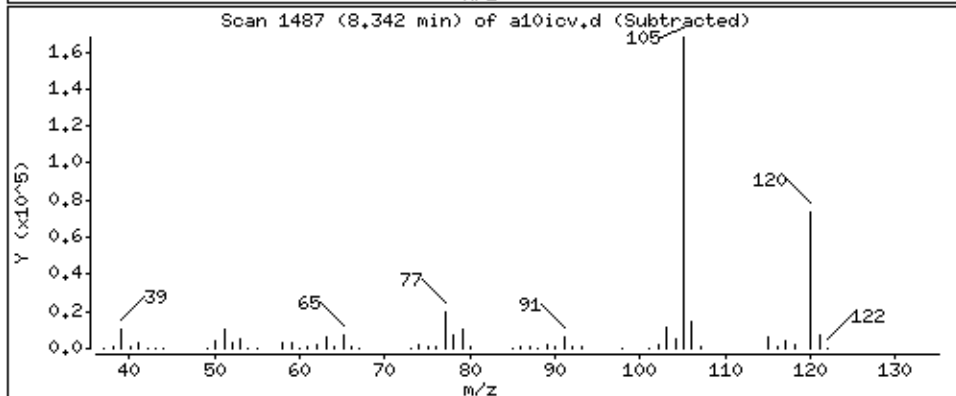
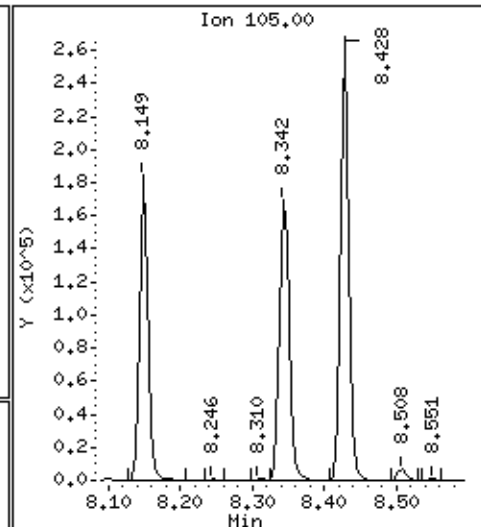
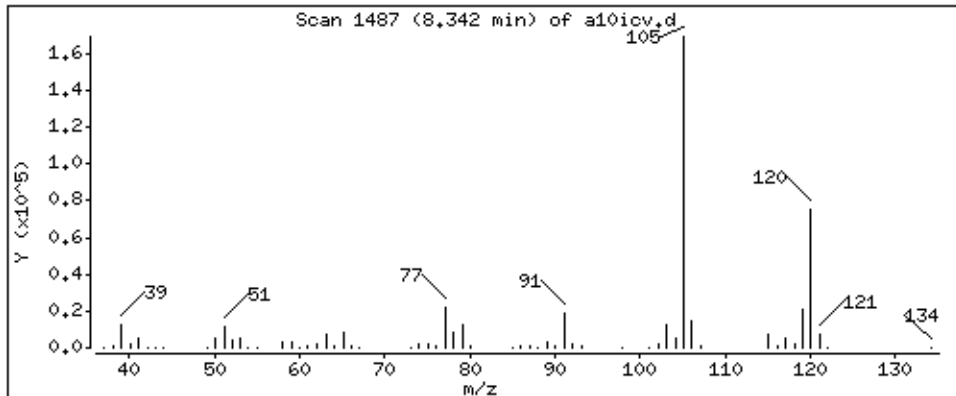
Operator: ala

Column phase: DB-624

Column diameter: 0,18

81 1,2,4-Trimethylbenzene

Concentration: 52.0 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

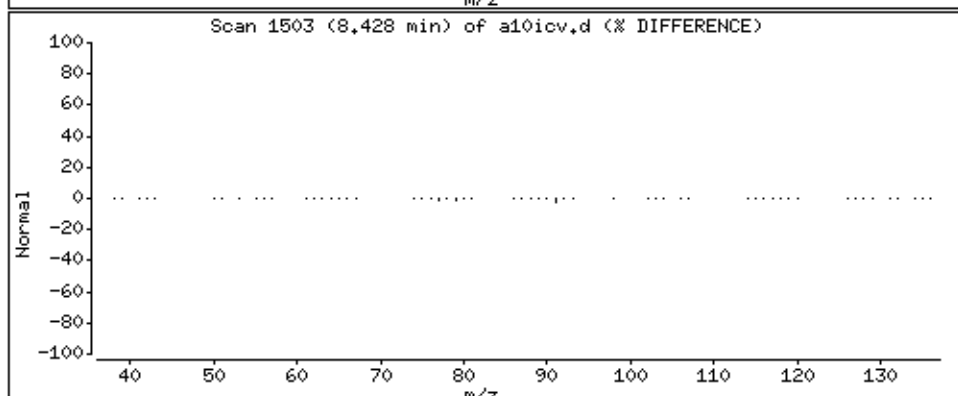
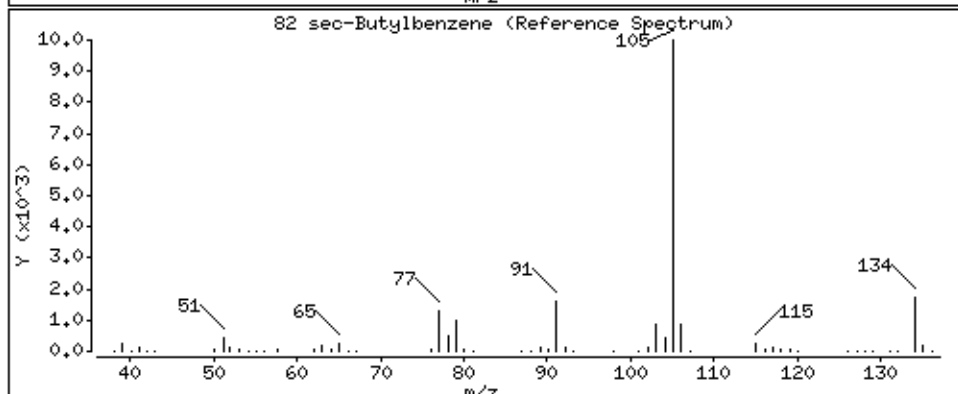
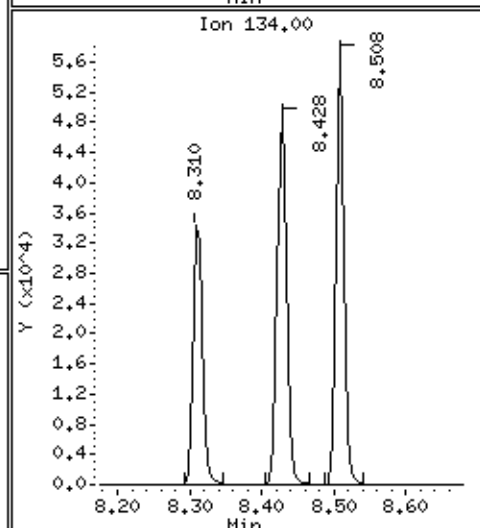
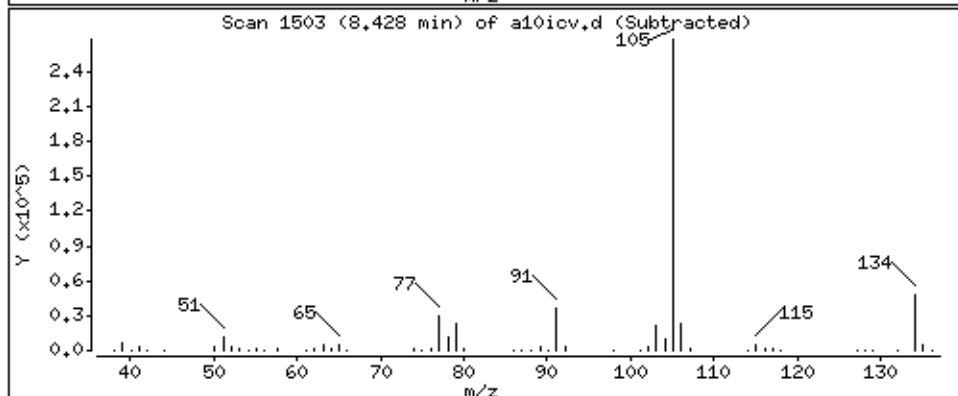
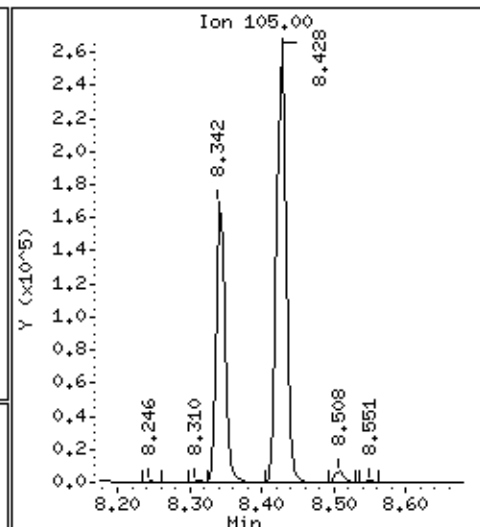
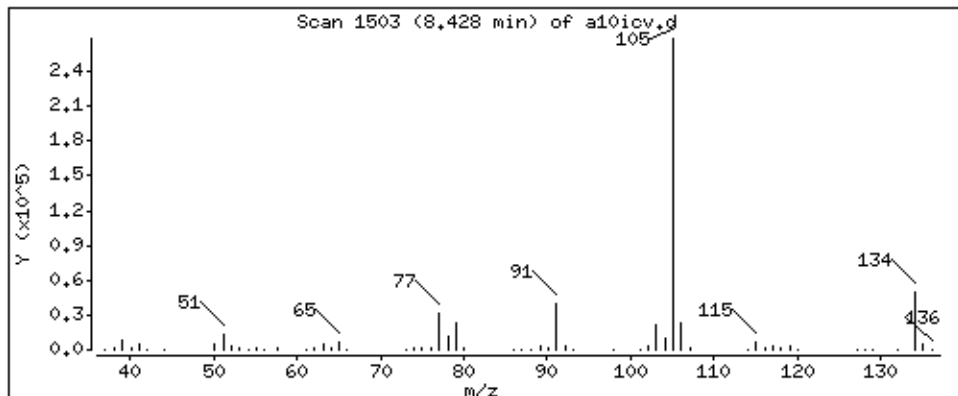
Operator: ala

Column phase: DB-624

Column diameter: 0,18

82 sec-Butylbenzene

Concentration: 52,5 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

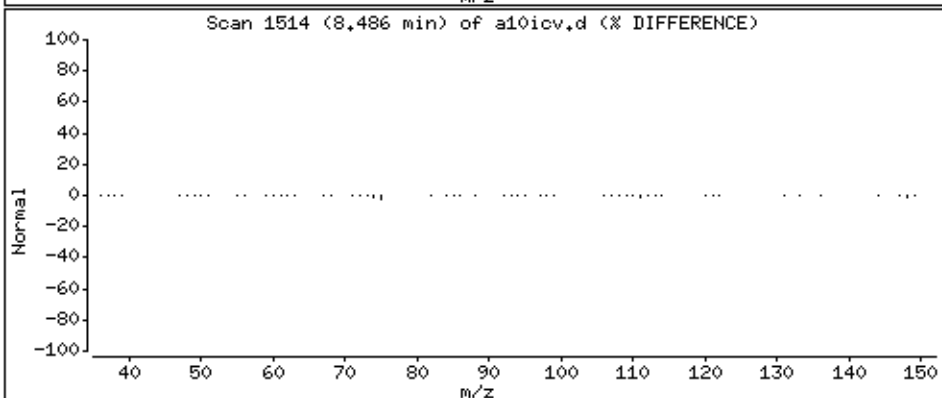
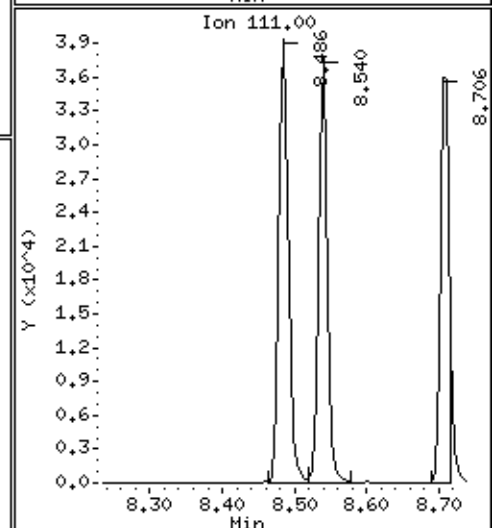
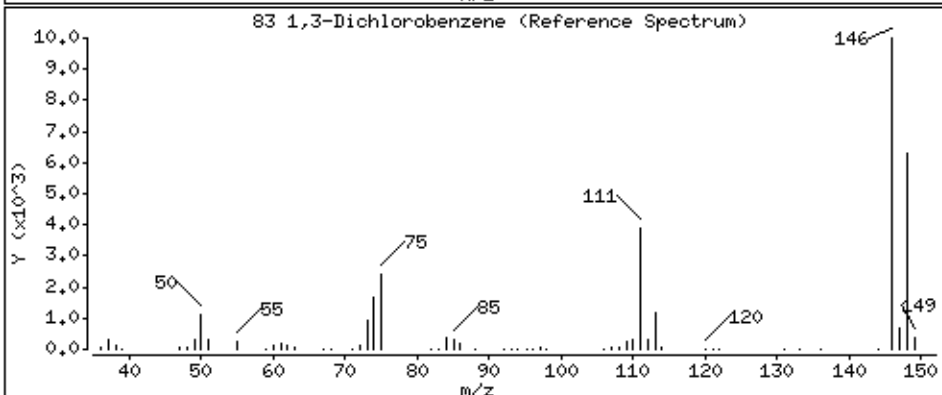
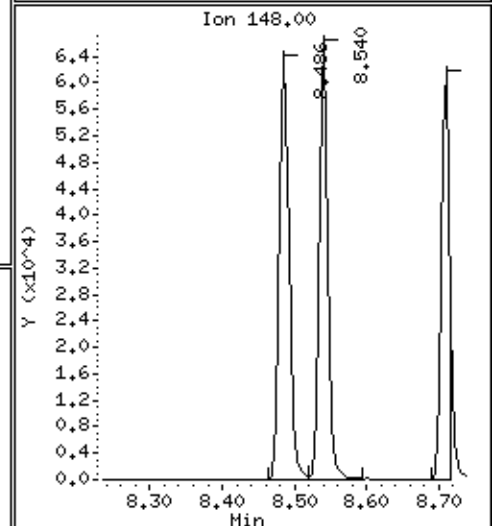
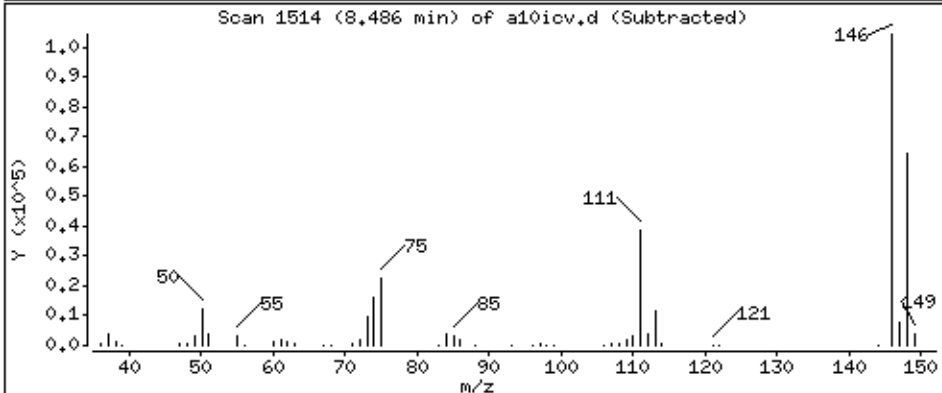
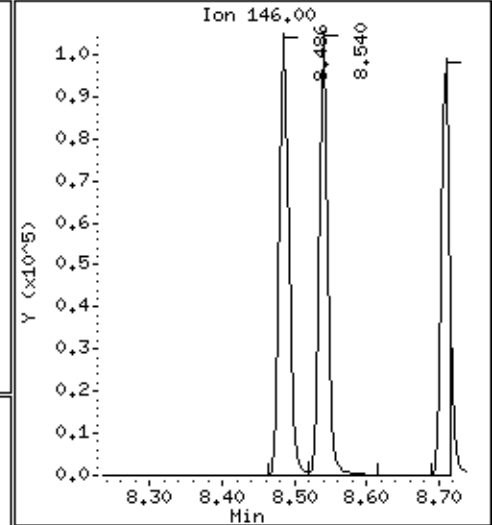
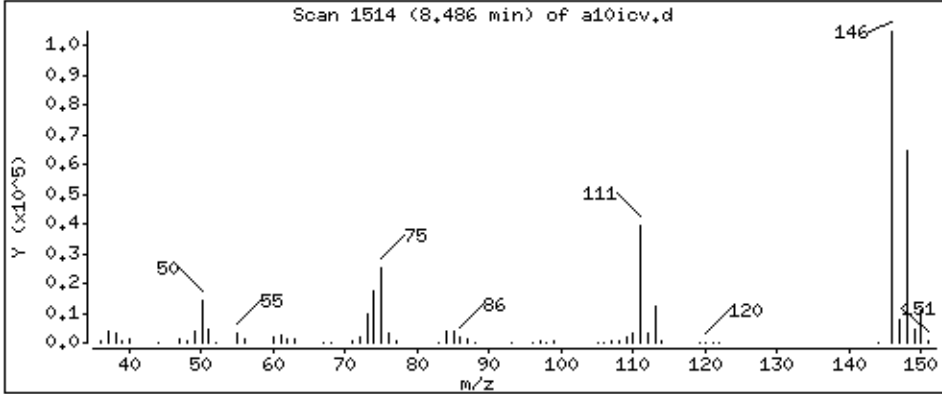
Operator: ala

Column phase: DB-624

Column diameter: 0,18

83 1,3-Dichlorobenzene

Concentration: 48,9 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

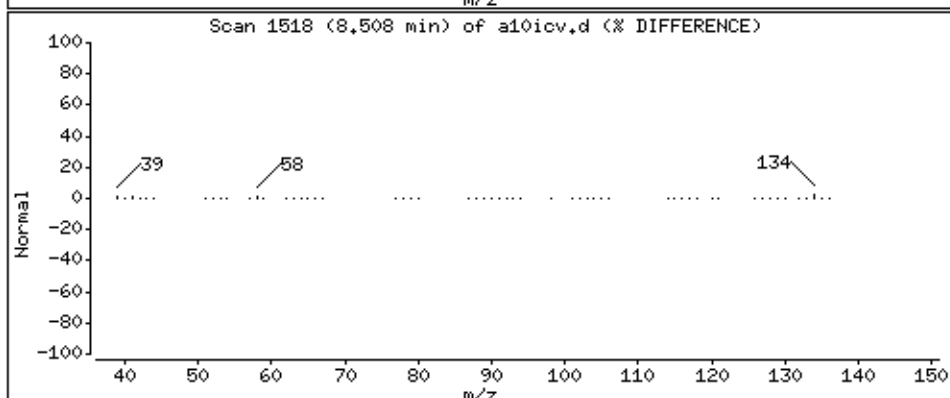
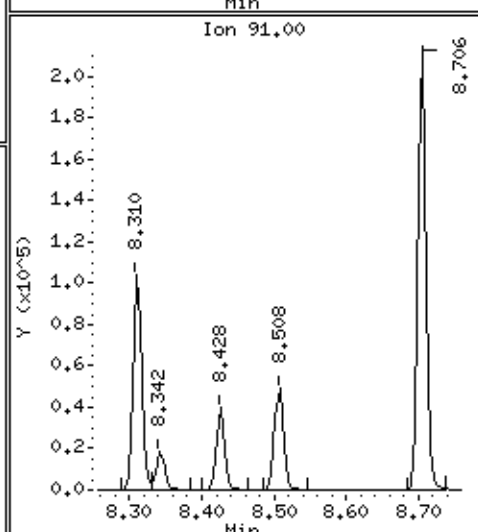
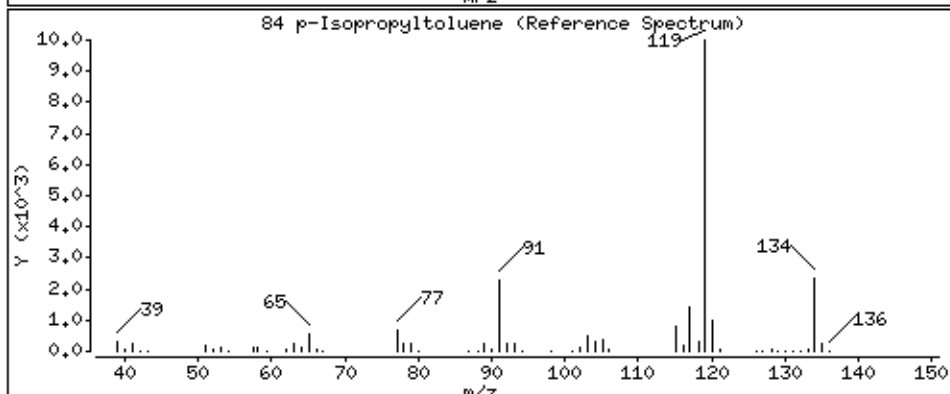
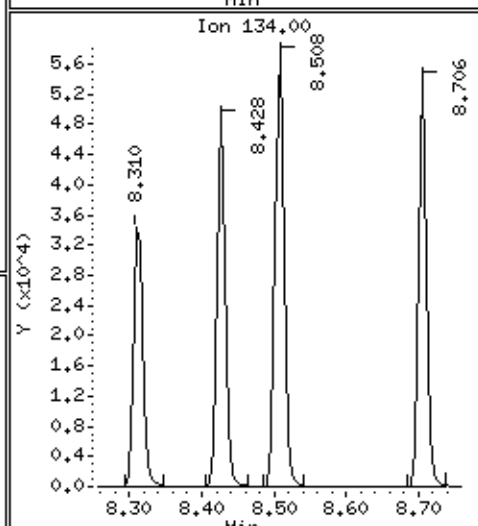
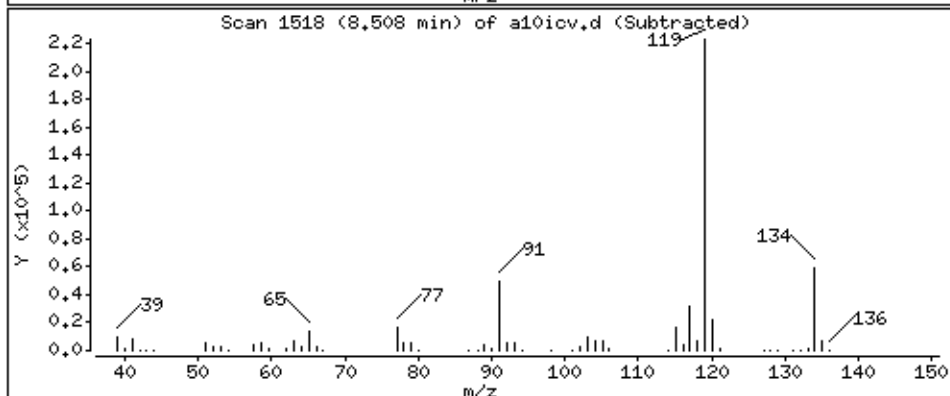
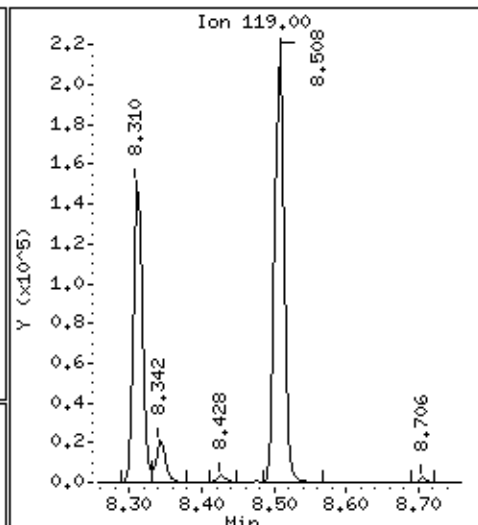
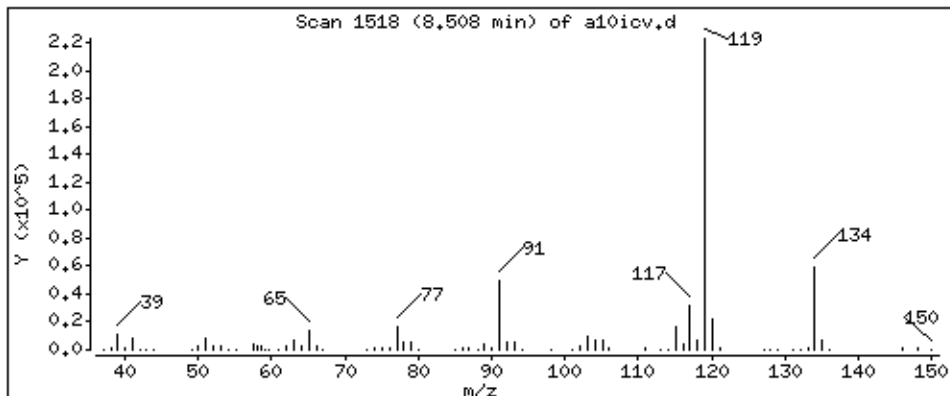
Operator: ala

Column phase: DB-624

Column diameter: 0.18

84 p-Isopropyltoluene

Concentration: 53.0 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

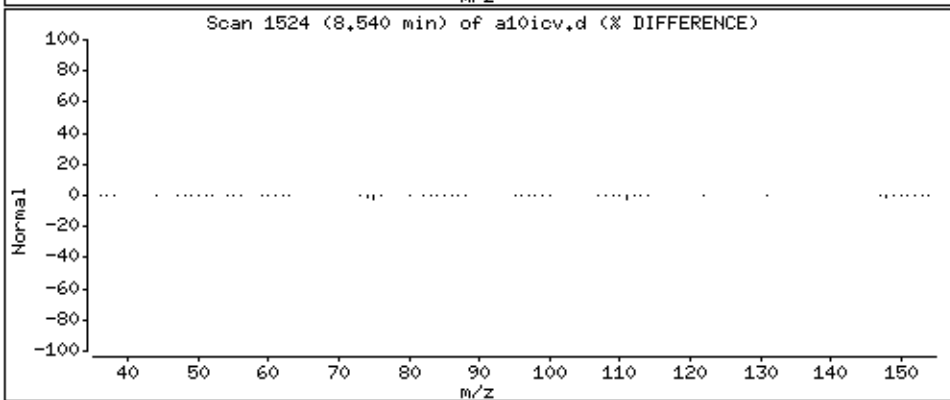
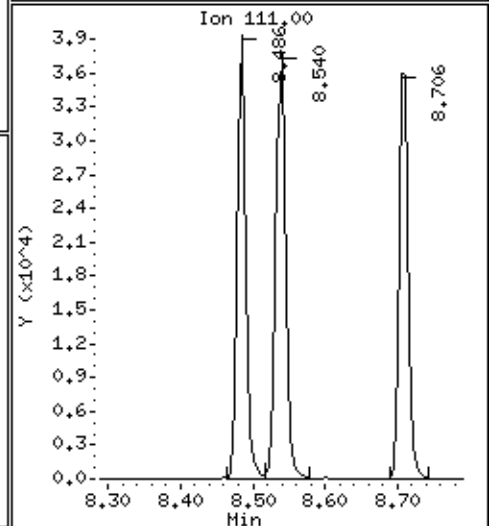
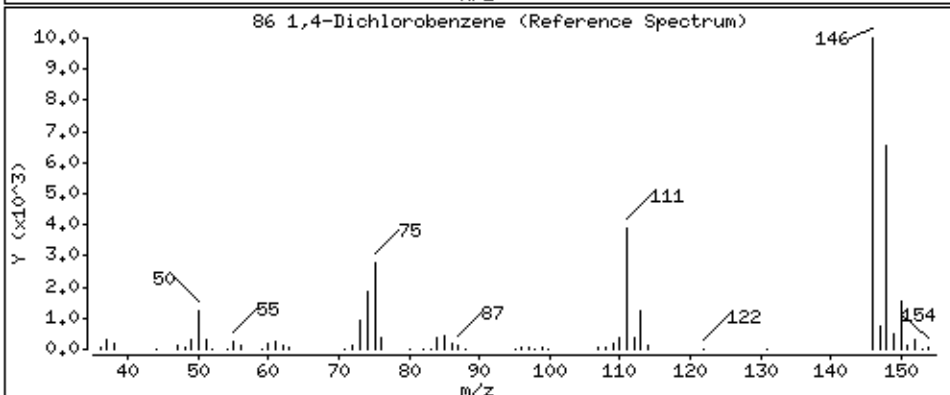
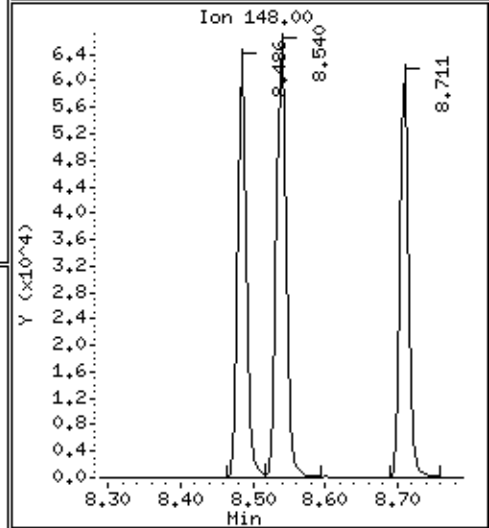
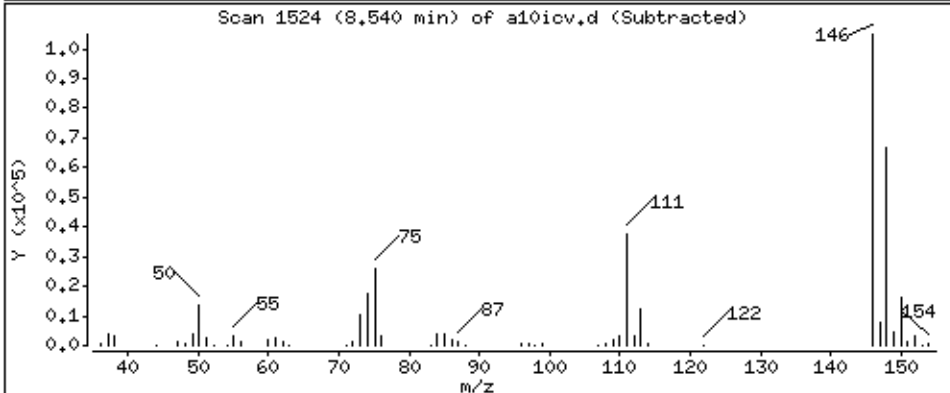
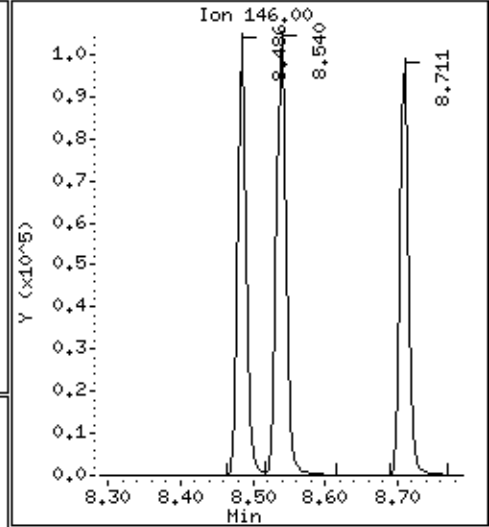
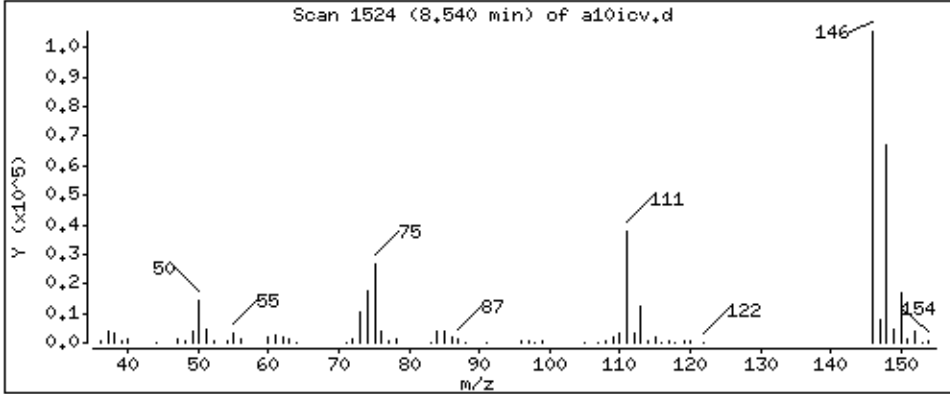
Operator: ala

Column phase: DB-624

Column diameter: 0,18

86 1,4-Dichlorobenzene

Concentration: 47.3 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

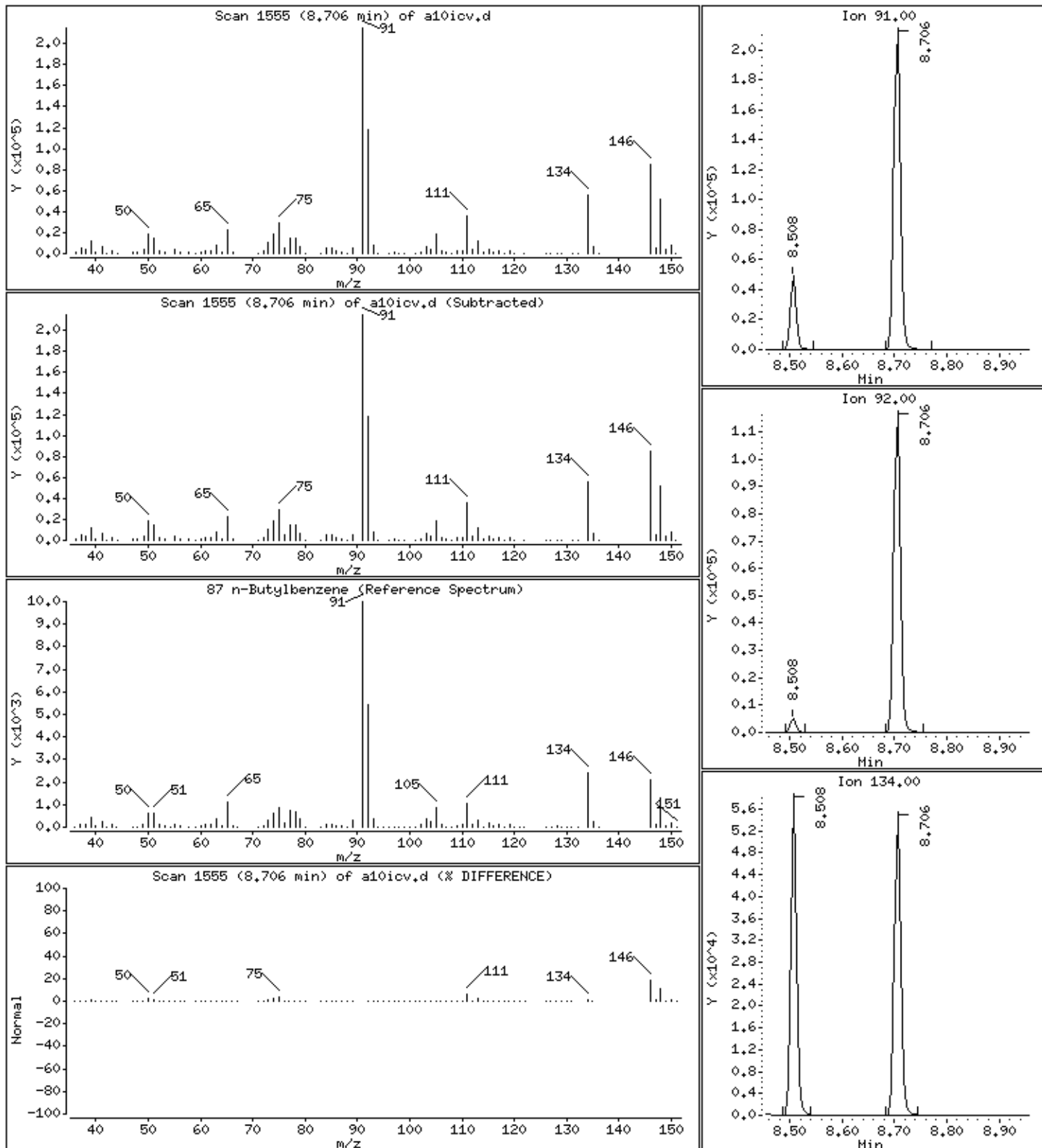
Operator: ala

Column phase: DB-624

Column diameter: 0.18

87 n-Butylbenzene

Concentration: 51.2 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

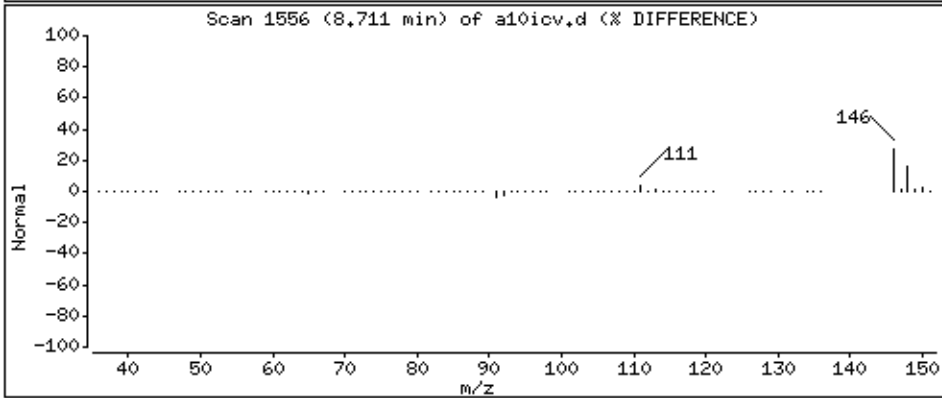
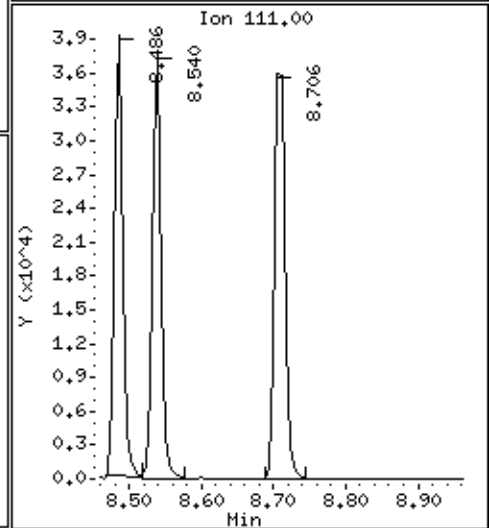
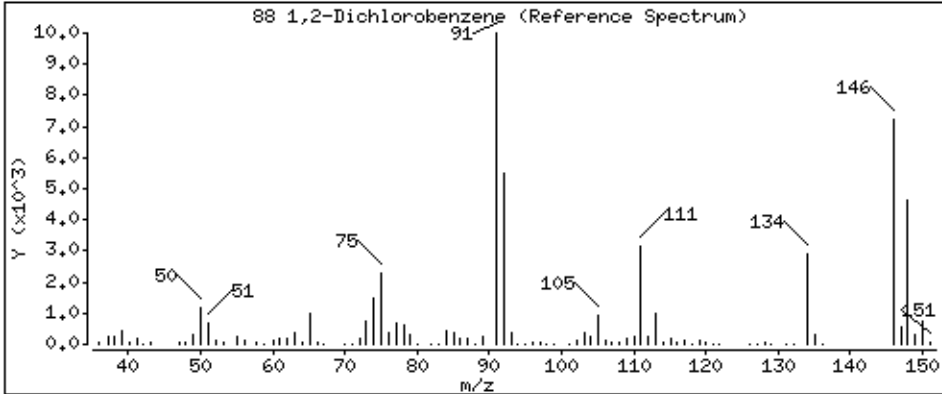
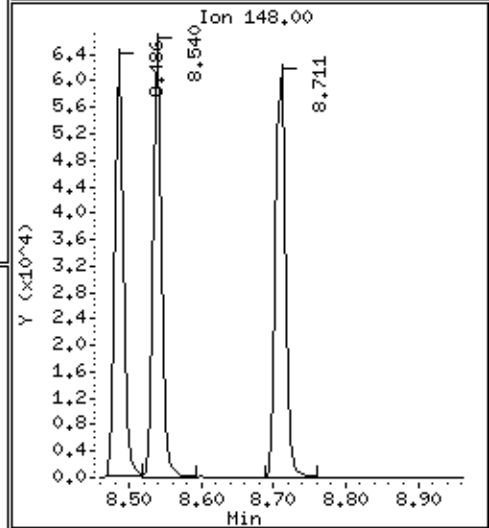
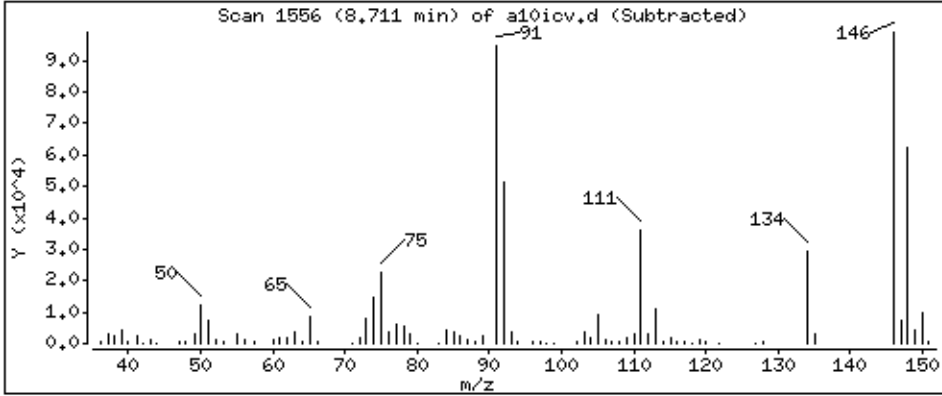
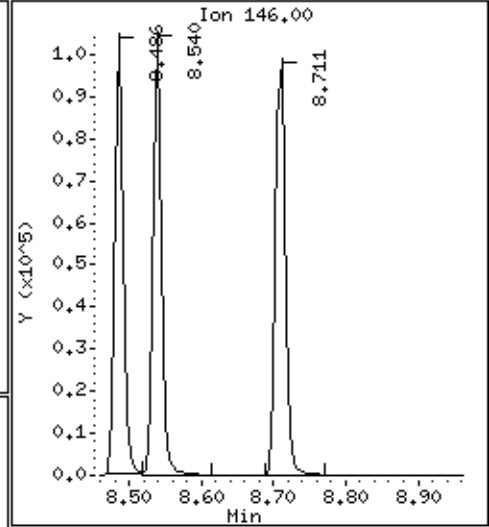
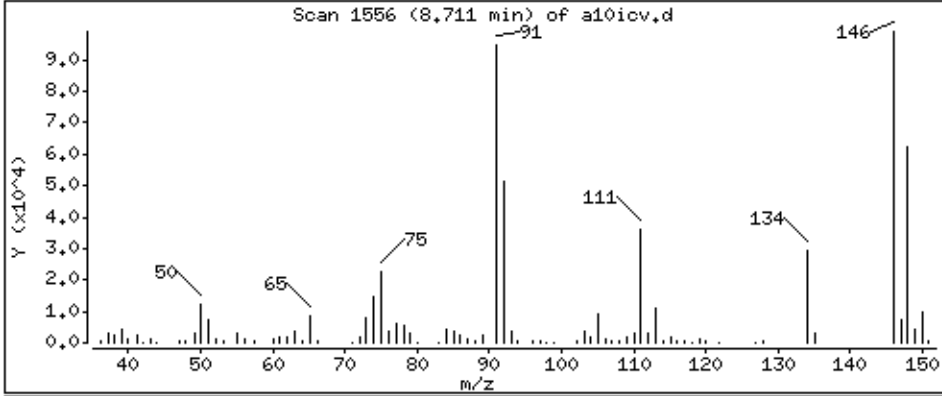
Operator: ala

Column phase: DB-624

Column diameter: 0,18

88 1,2-Dichlorobenzene

Concentration: 50,3 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

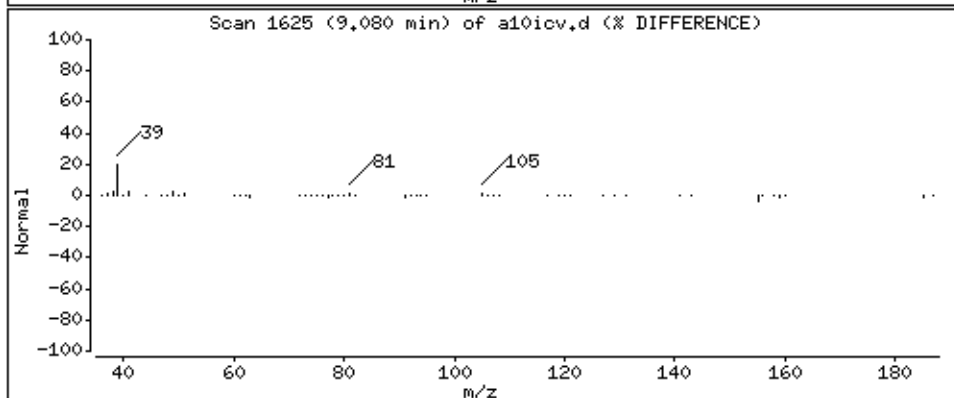
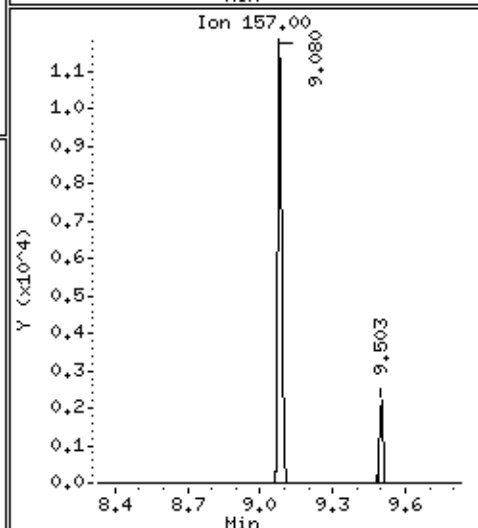
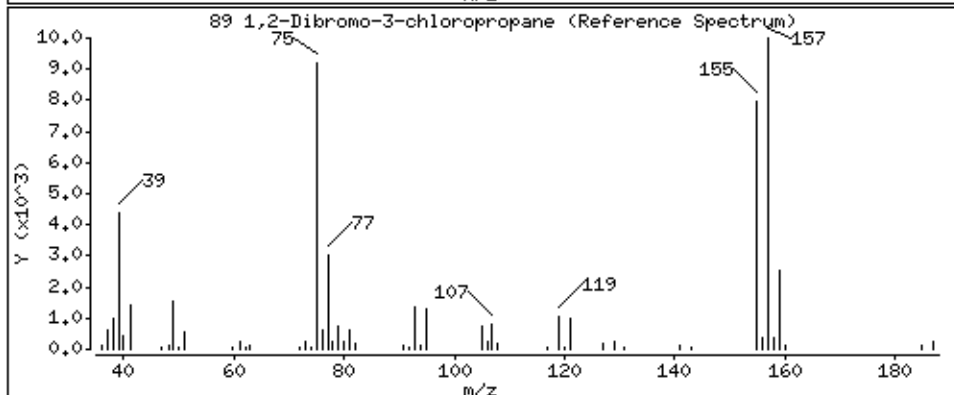
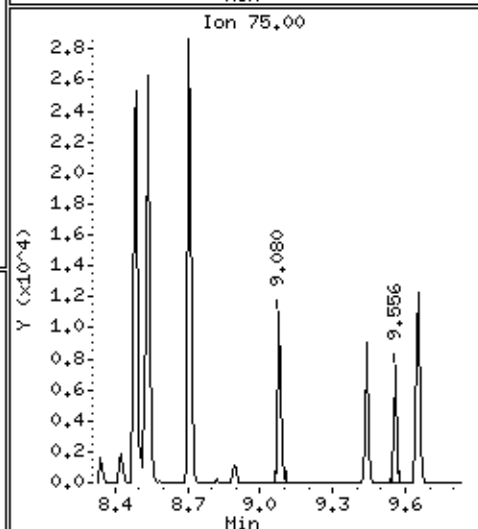
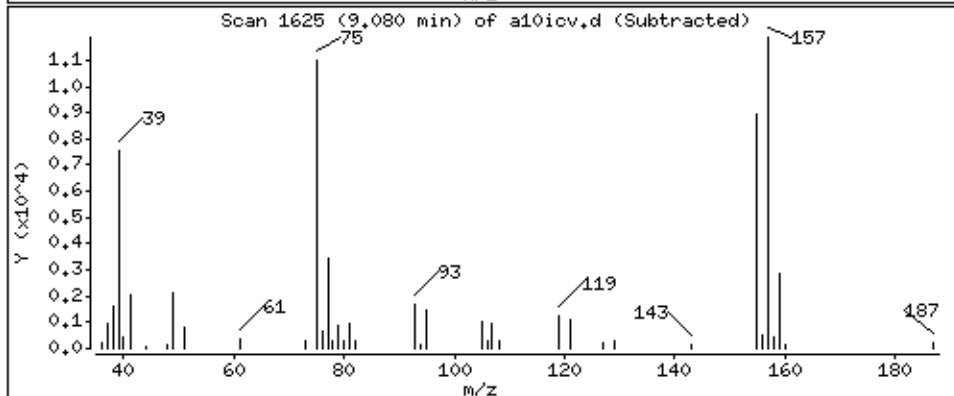
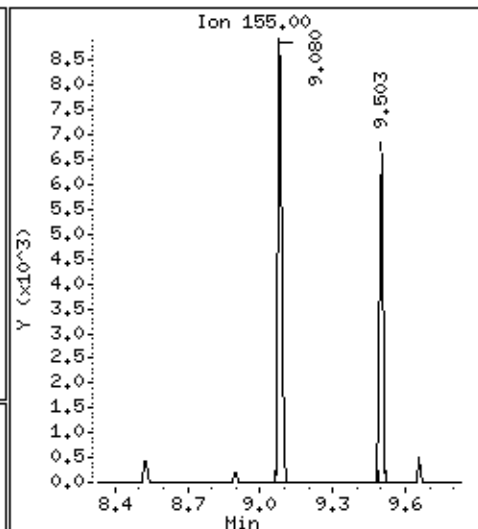
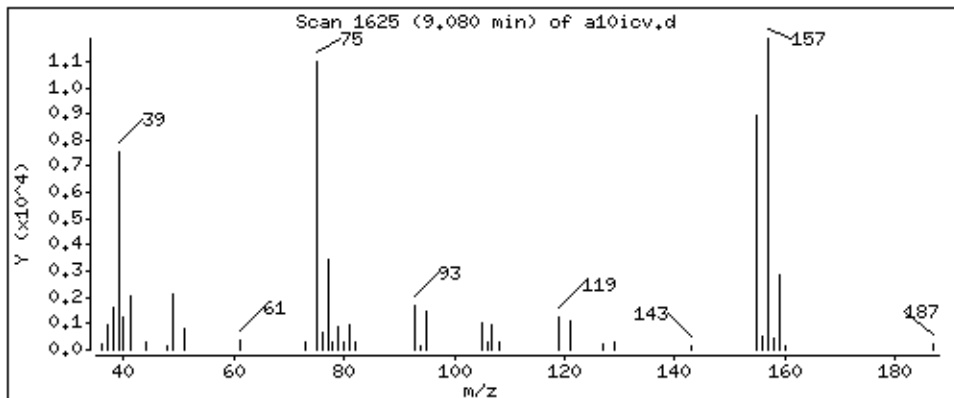
Operator: ala

Column phase: DB-624

Column diameter: 0,18

89 1,2-Dibromo-3-chloropropane

Concentration: 50,2 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

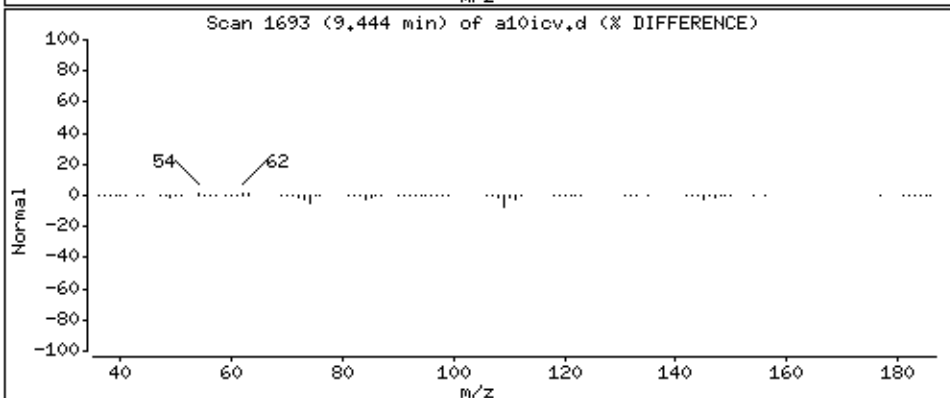
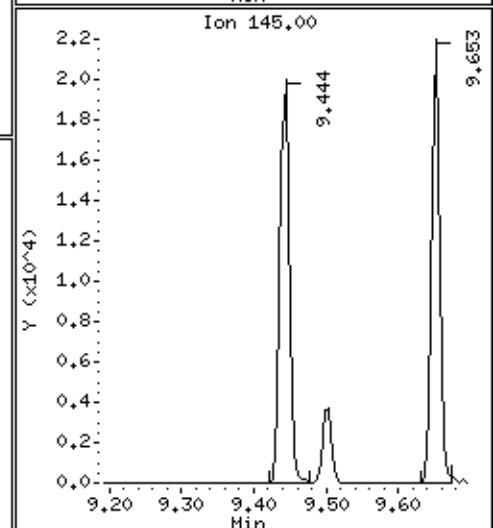
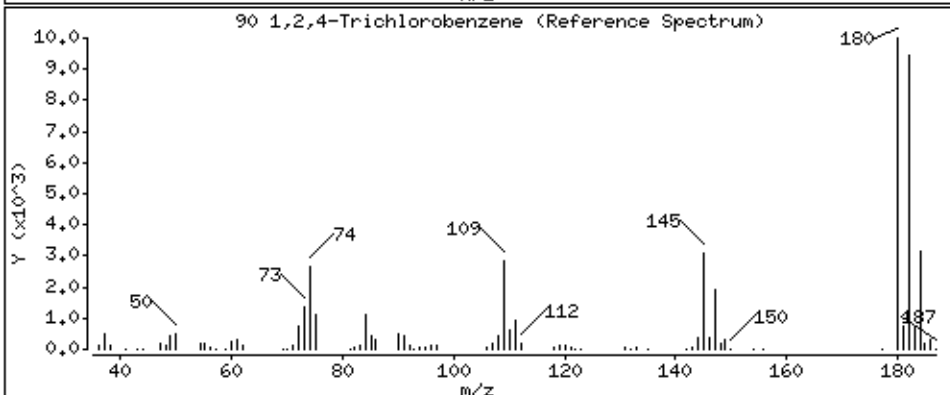
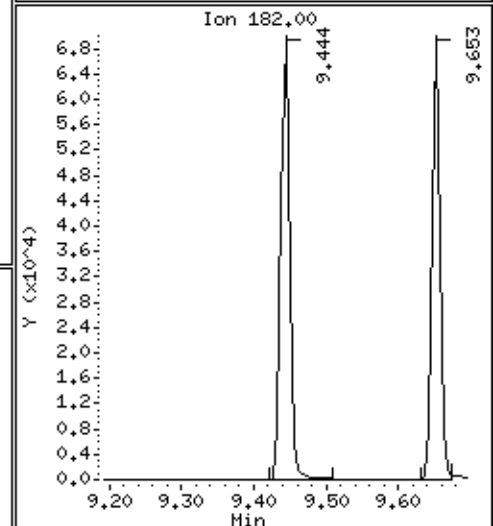
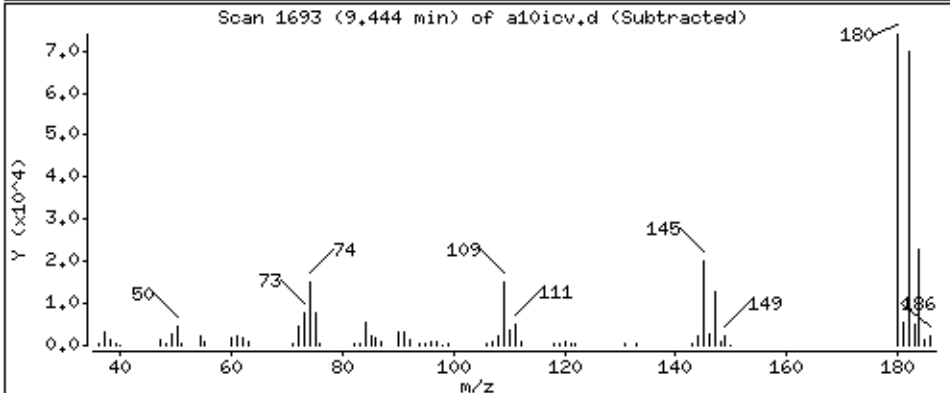
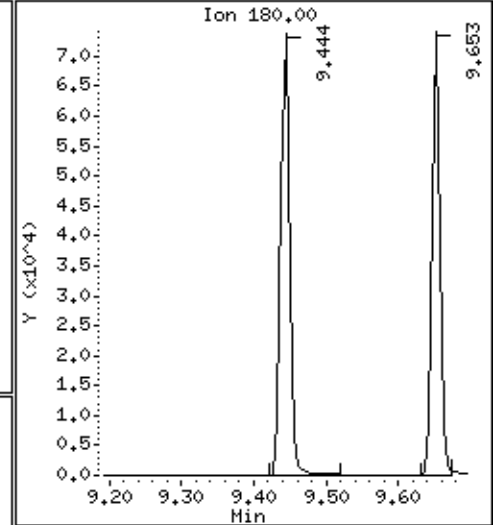
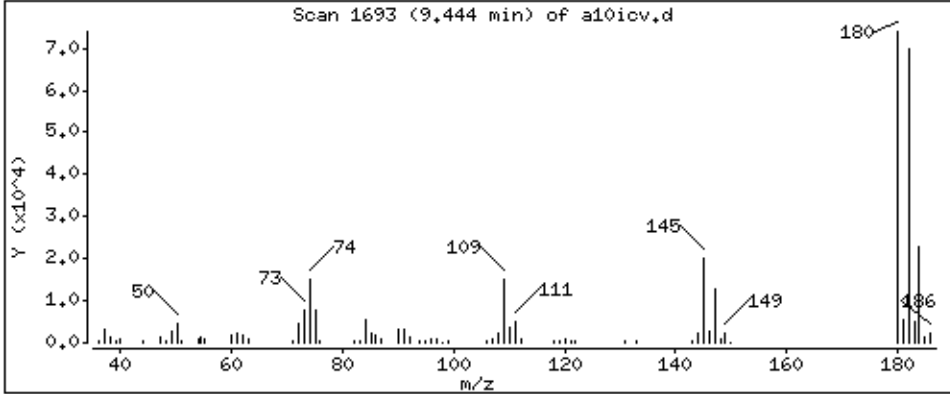
Operator: ala

Column phase: DB-624

Column diameter: 0,18

90 1,2,4-Trichlorobenzene

Concentration: 48,5 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

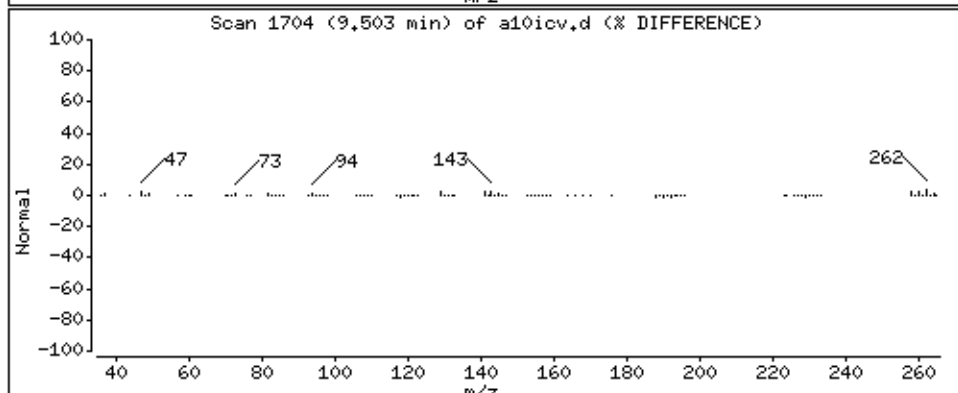
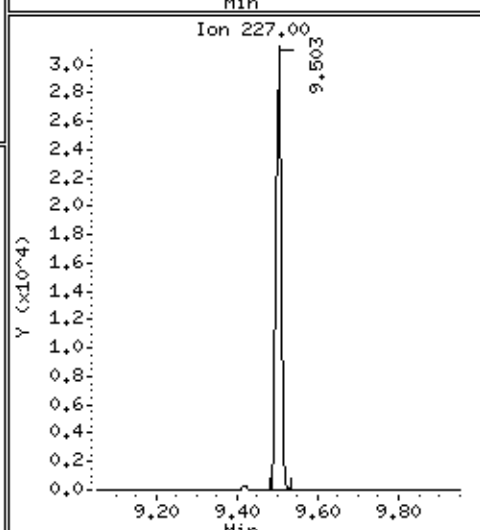
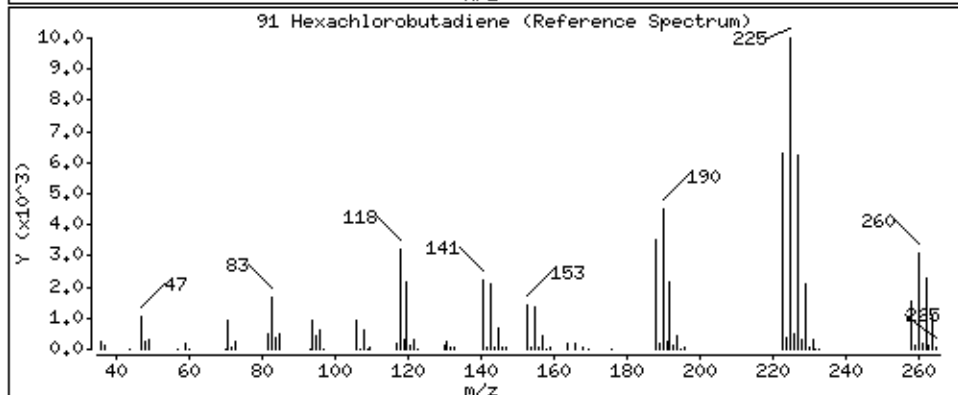
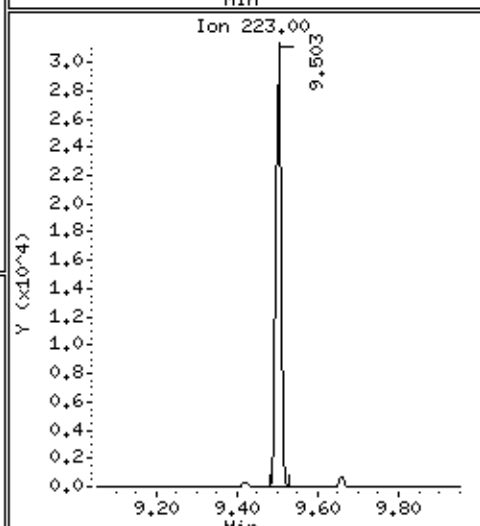
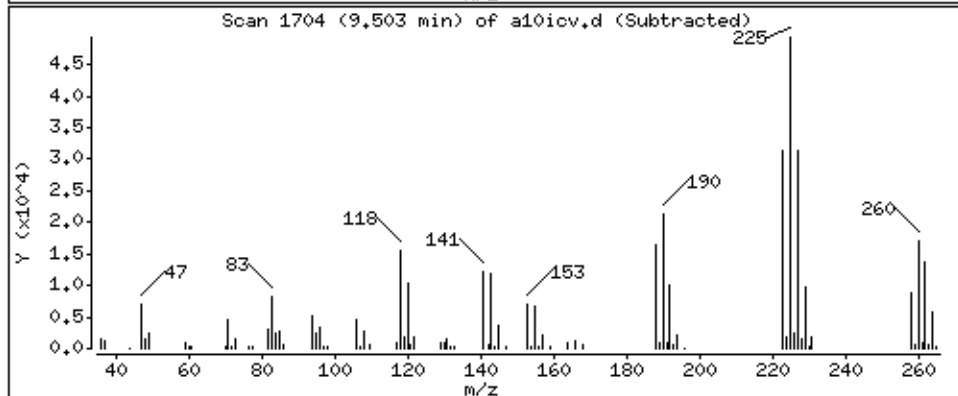
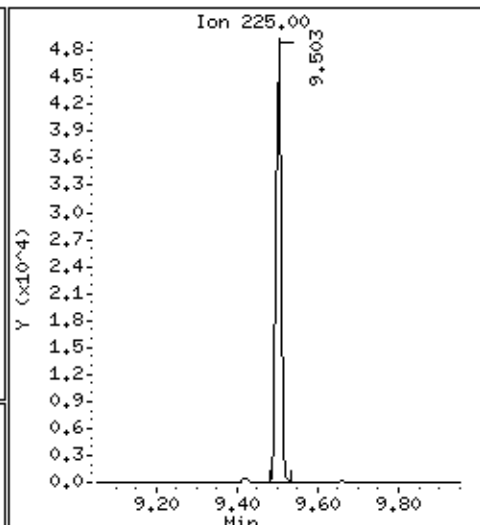
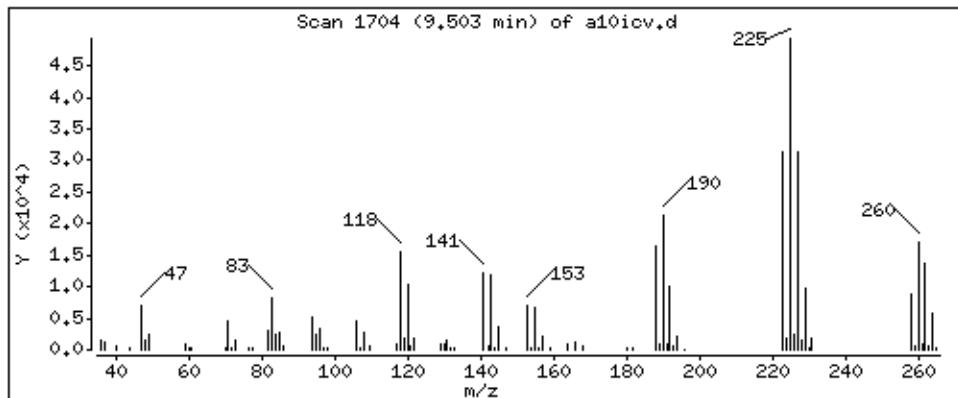
Operator: ala

Column phase: DB-624

Column diameter: 0,18

91 Hexachlorobutadiene

Concentration: 51.4 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

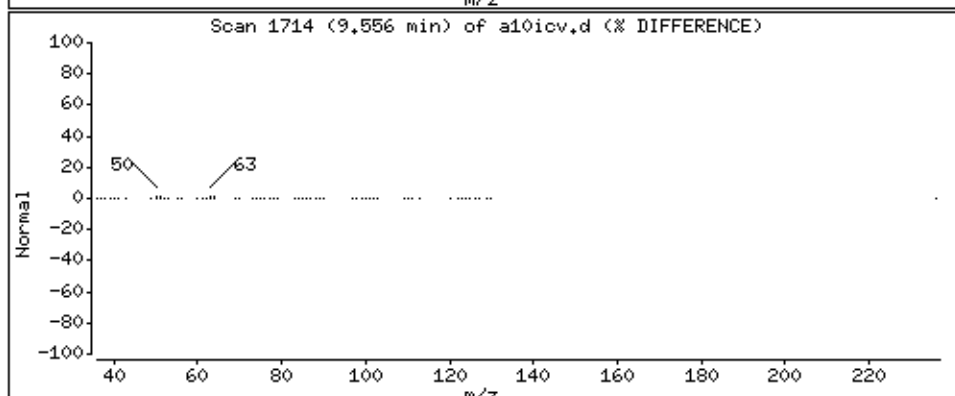
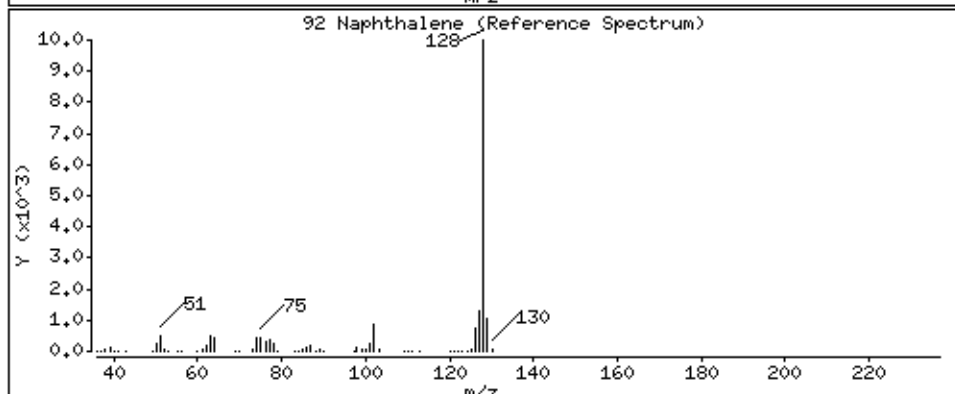
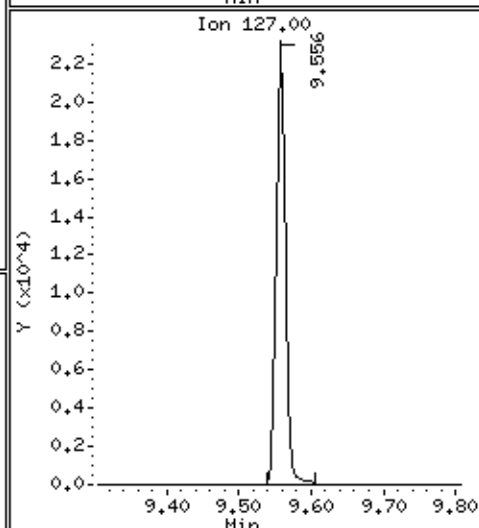
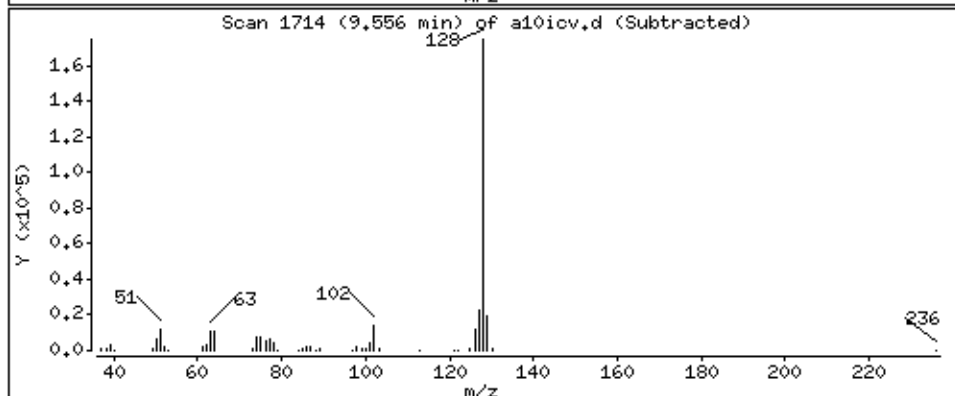
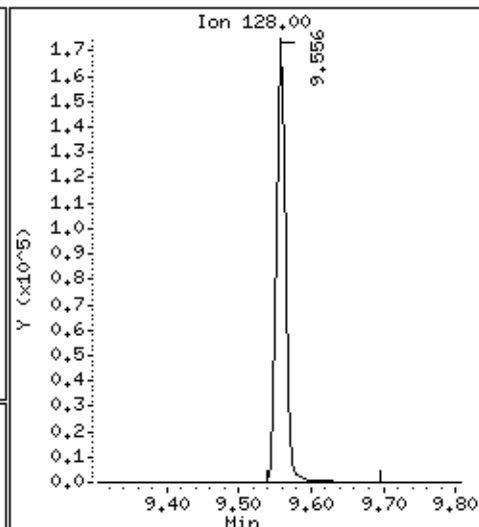
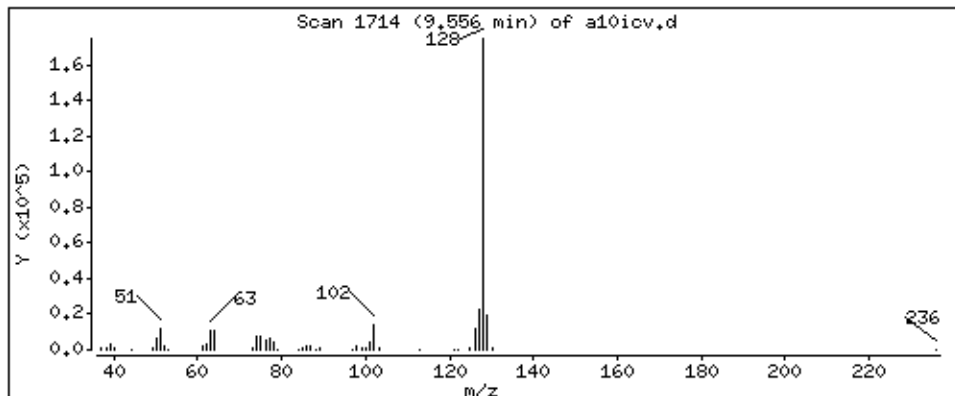
Operator: ala

Column phase: DB-624

Column diameter: 0.18

92 Naphthalene

Concentration: 49.3 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

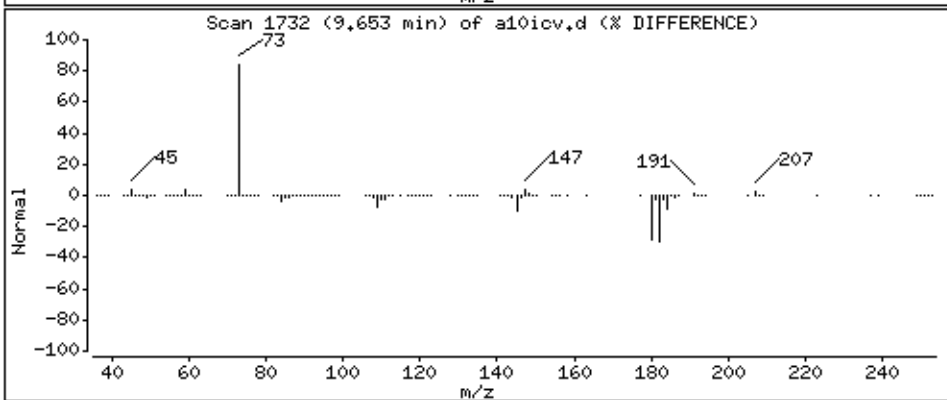
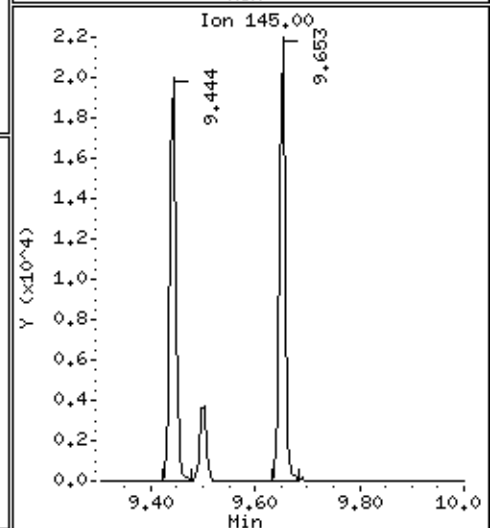
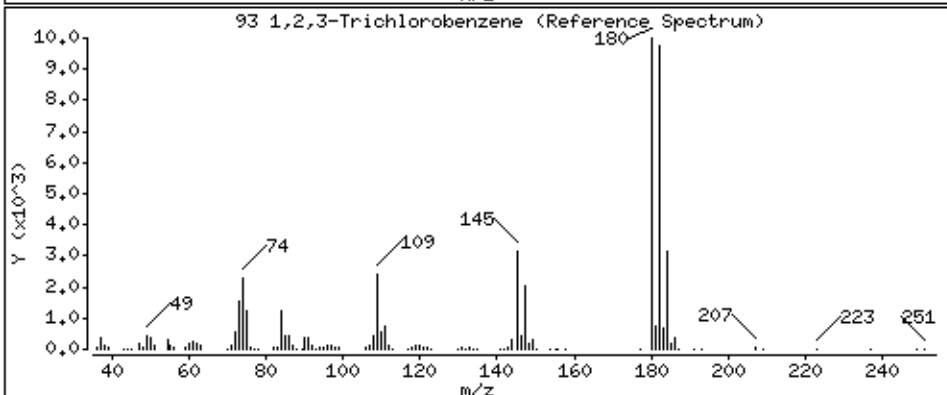
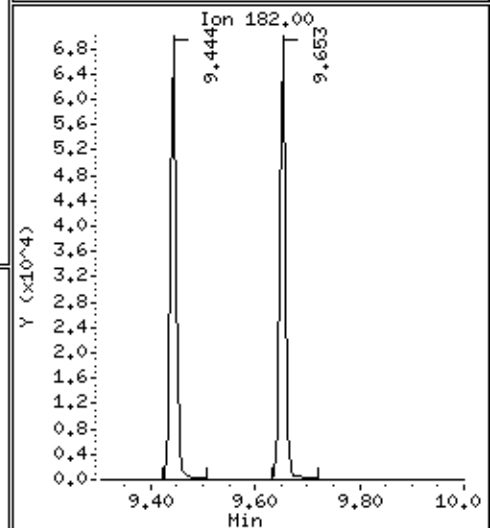
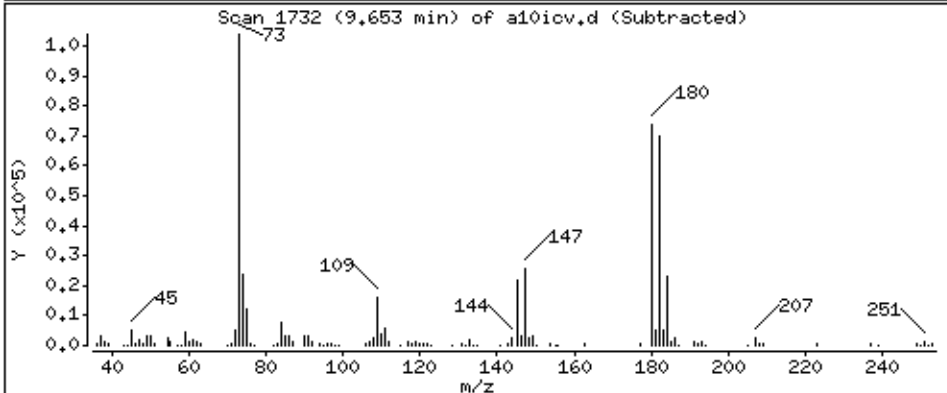
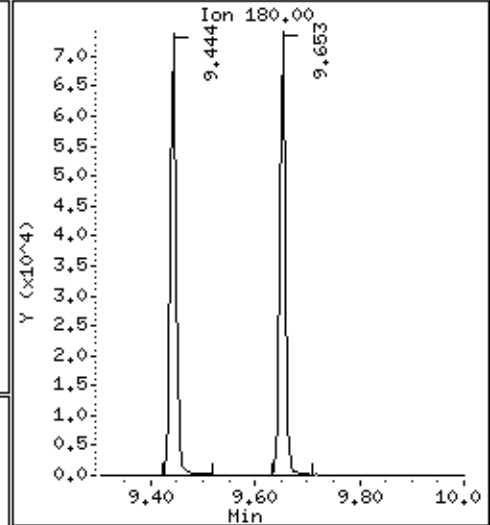
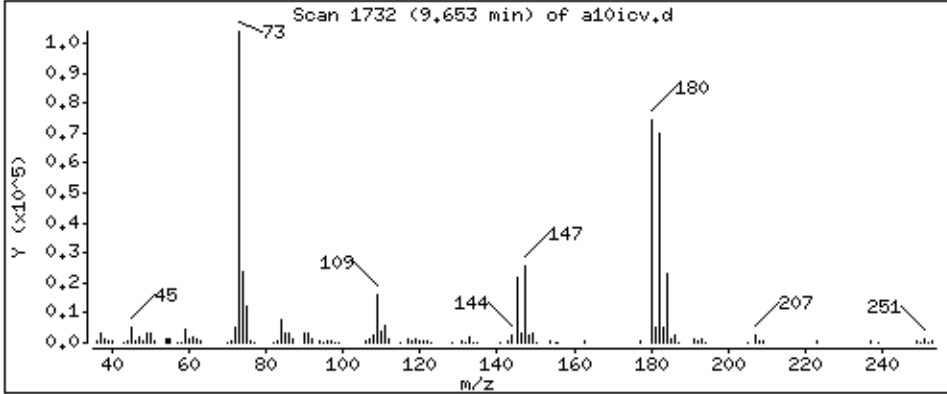
Operator: ala

Column phase: DB-624

Column diameter: 0,18

93 1,2,3-Trichlorobenzene

Concentration: 47.6 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

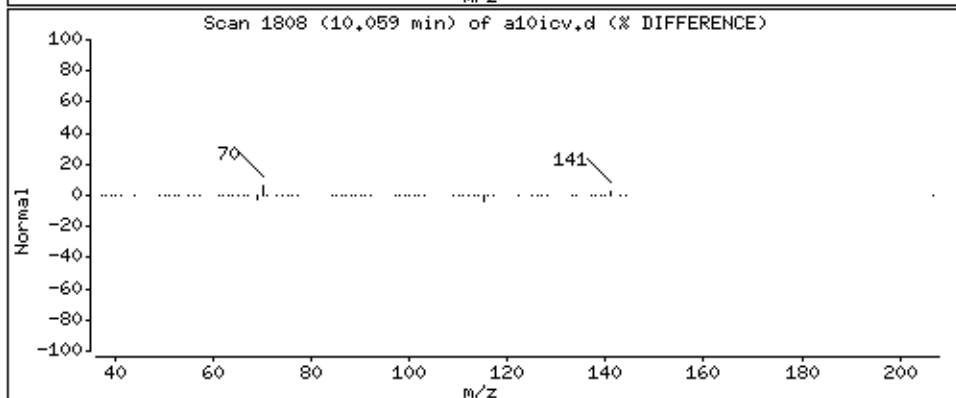
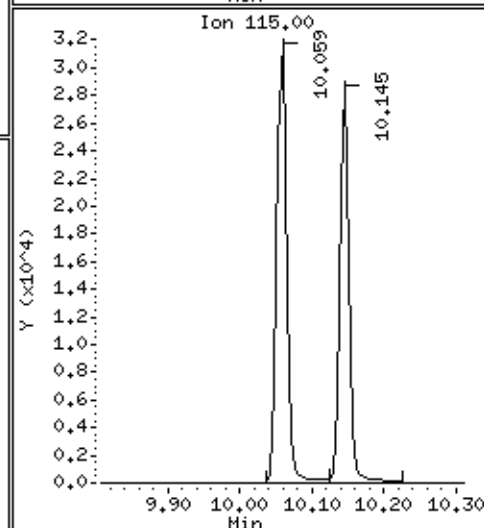
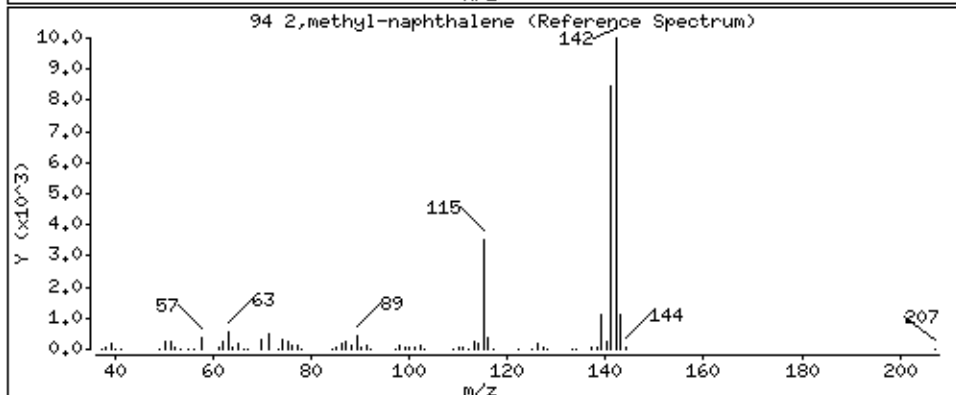
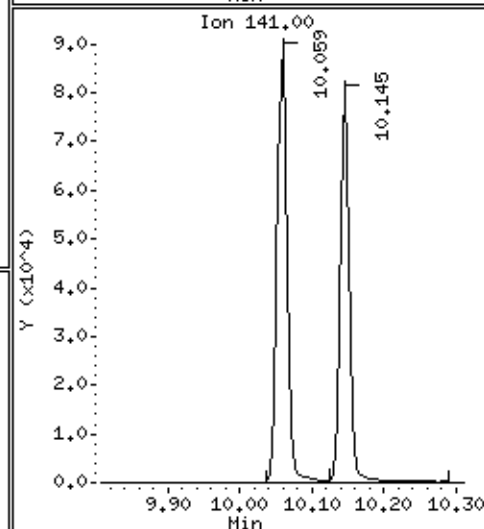
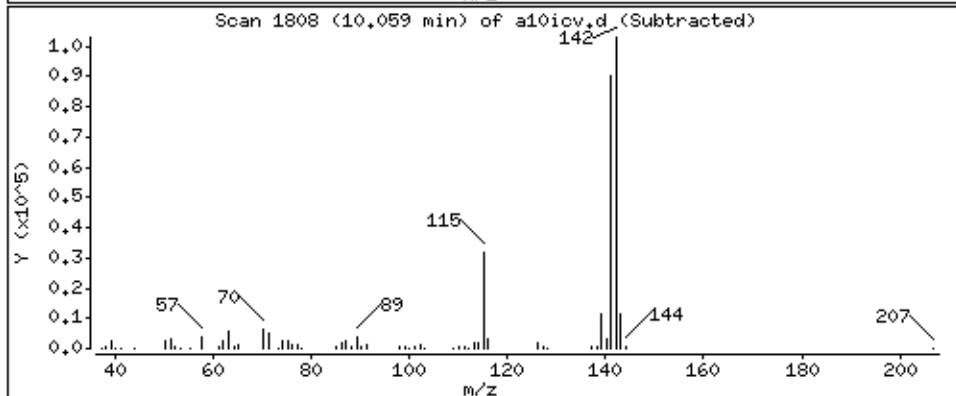
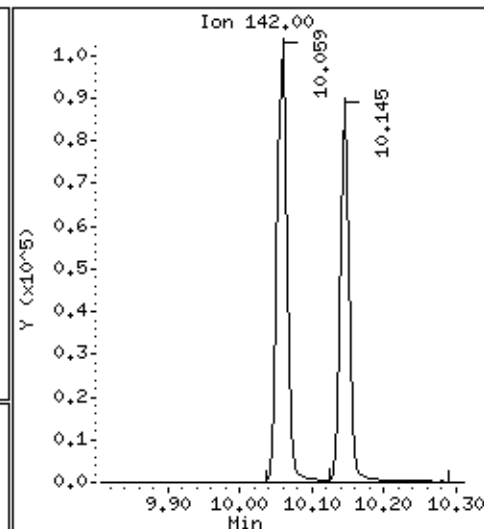
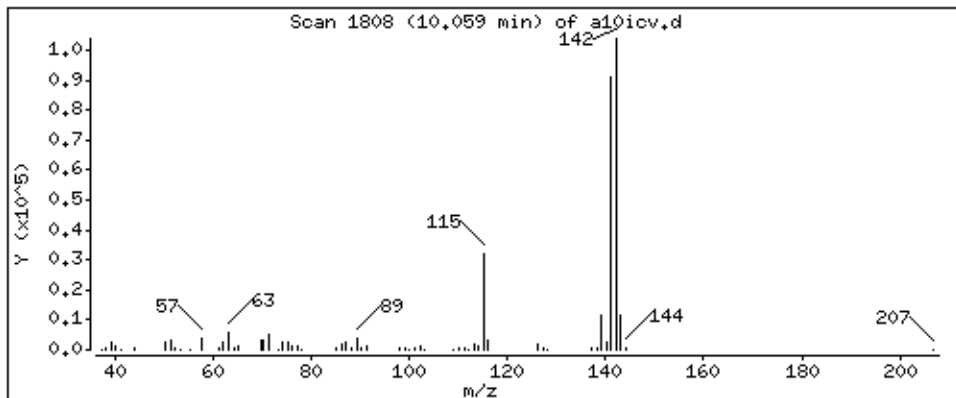
Operator: ala

Column phase: DB-624

Column diameter: 0,18

94 2,methyl-naphthalene

Concentration: 43,0 ppb



Date : 28-AUG-2018 20:03

Client ID: 8260-ICV

Instrument: 50mv6a.i

Sample Info: 8260-ICV,184855:0

Purge Volume: 5.0

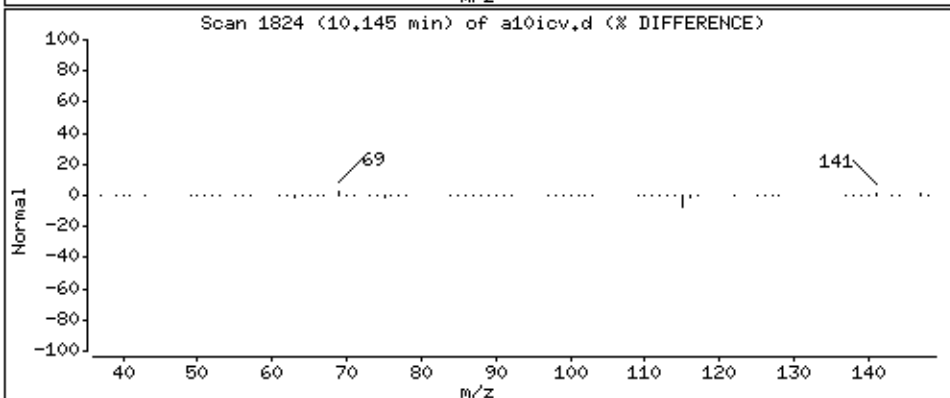
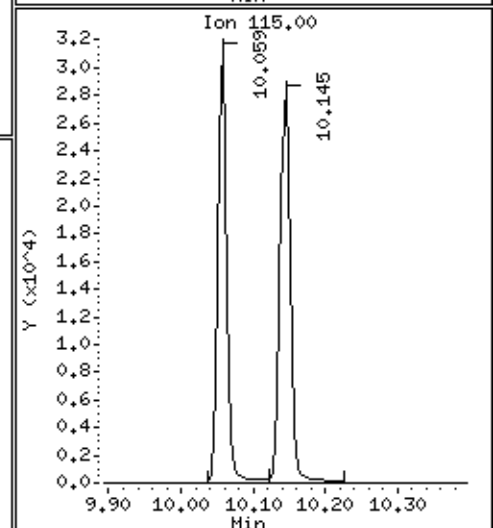
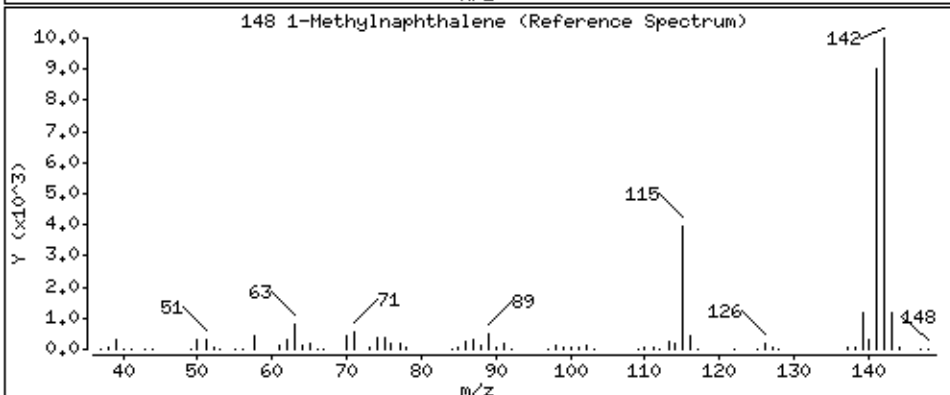
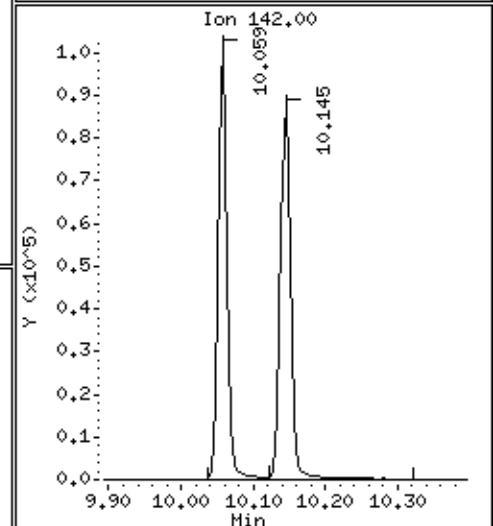
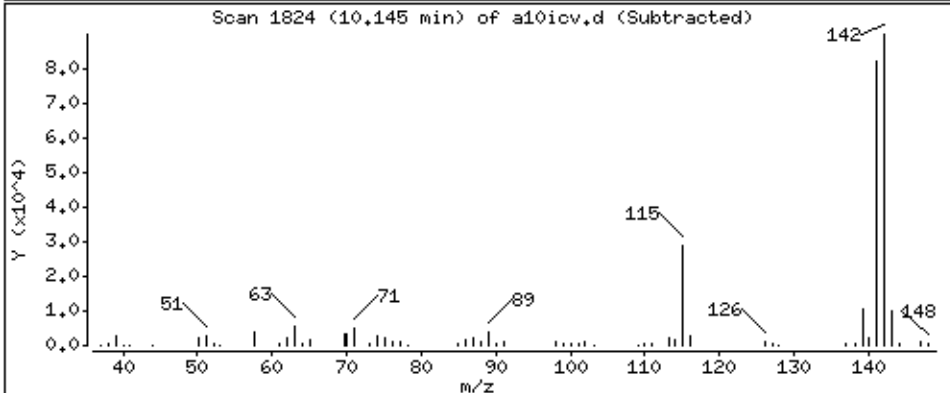
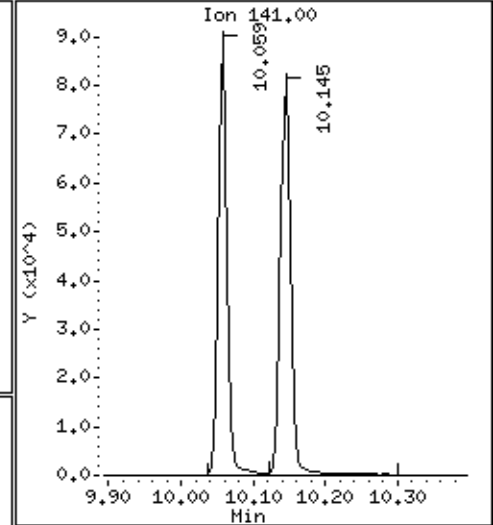
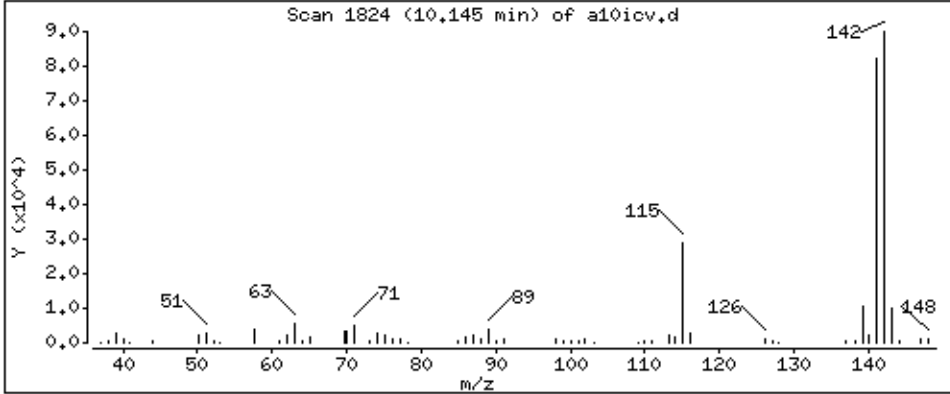
Operator: ala

Column phase: DB-624

Column diameter: 0,18

148 1-Methylnaphthalene

Concentration: 45,0 ppb



Data File: \\192.168.50.6\chem\50mv6a.i\a082818cal.b/a10icv.d
Injection Date: 28-AUG-2018 20:03
Instrument: 50mv6a.i
Lab Sample ID: 8260-ICV
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6a.i\a090418.b\c01ccv.d
 Lab Smp Id: 8260-CCV Client Smp ID: 8260-CCV
 Inj Date : 04-SEP-2018 22:37
 Operator : ala Inst ID: 50mv6a.i
 Smp Info : 8260-ccv,185603:0
 Misc Info : 117677
 Comment :
 Method : \\192.168.50.6\chem\50mv6a.i\a090418.b\ -a8260sl_a_c.m
 Meth Date : 05-Sep-2018 10:55 50mv6a.i Quant Type: ISTD
 Cal Date : 28-AUG-2018 14:20 Cal File: a01.d
 Als bottle: 22 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A
 Processing Host: 50-VOA-ALA1

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ppb)	ON-COL (ppb)
1 Dichlorodifluoromethane	85		0.916	0.916	(0.228)	70933	50.0000	48.1
2 Chloromethane	50		0.996	0.996	(0.248)	60962	50.0000	36.4
3 Vinyl Chloride	62		1.039	1.039	(0.258)	73073	50.0000	47.3
4 Bromomethane	94		1.173	1.178	(0.291)	45740	50.0000	33.5
5 Chloroethane	64		1.221	1.221	(0.303)	42535	50.0000	41.0
6 Trichlorofluoromethane	101		1.328	1.328	(0.330)	104532	50.0000	49.8
8 Diethyl ether	74		1.445	1.445	(0.359)	33959	50.0000	52.2
7 1,2-dichlorotrifluoroethane	67		1.461	1.462	(0.363)	88478	50.0000	51.6
9 Acrolein	56		1.515	1.515	(0.377)	147891	1000.00	728
10 1,1,2trichlorotrifluoroethane	101		1.558	1.563	(0.387)	77054	50.0000	58.3
11 1,1-Dichloroethene	96		1.563	1.569	(0.389)	68425	50.0000	54.4
12 Acetone	43		1.579	1.579	(0.393)	61102	250.000	193
13 Iodomethane	142		1.649	1.649	(0.410)	169622	100.000	112
14 Carbon Disulfide	76		1.691	1.697	(0.420)	230894	50.0000	49.5
16 Methyl Acetate	43		1.734	1.740	(0.431)	33635	50.0000	42.3
143 Acetonitrile	39		1.750	1.750	(0.435)	113217	50.0000	43.3
15 allyl chloride	41		1.750	1.750	(0.435)	177953	100.000	92.8
17 Methylene Chloride	84		1.820	1.825	(0.452)	66382	50.0000	51.2
18 tert-Butyl Alcohol	59		1.863	1.863	(0.463)	12729	100.000	85.1
19 Acrylonitrile	53		1.954	1.954	(0.486)	64819	200.000	179
20 Methyl-tert-butyl ether	73		1.975	1.975	(0.491)	145422	50.0000	53.6
21 1,2-Dichloroethene (trans)	96		1.986	1.986	(0.494)	71922	50.0000	54.9

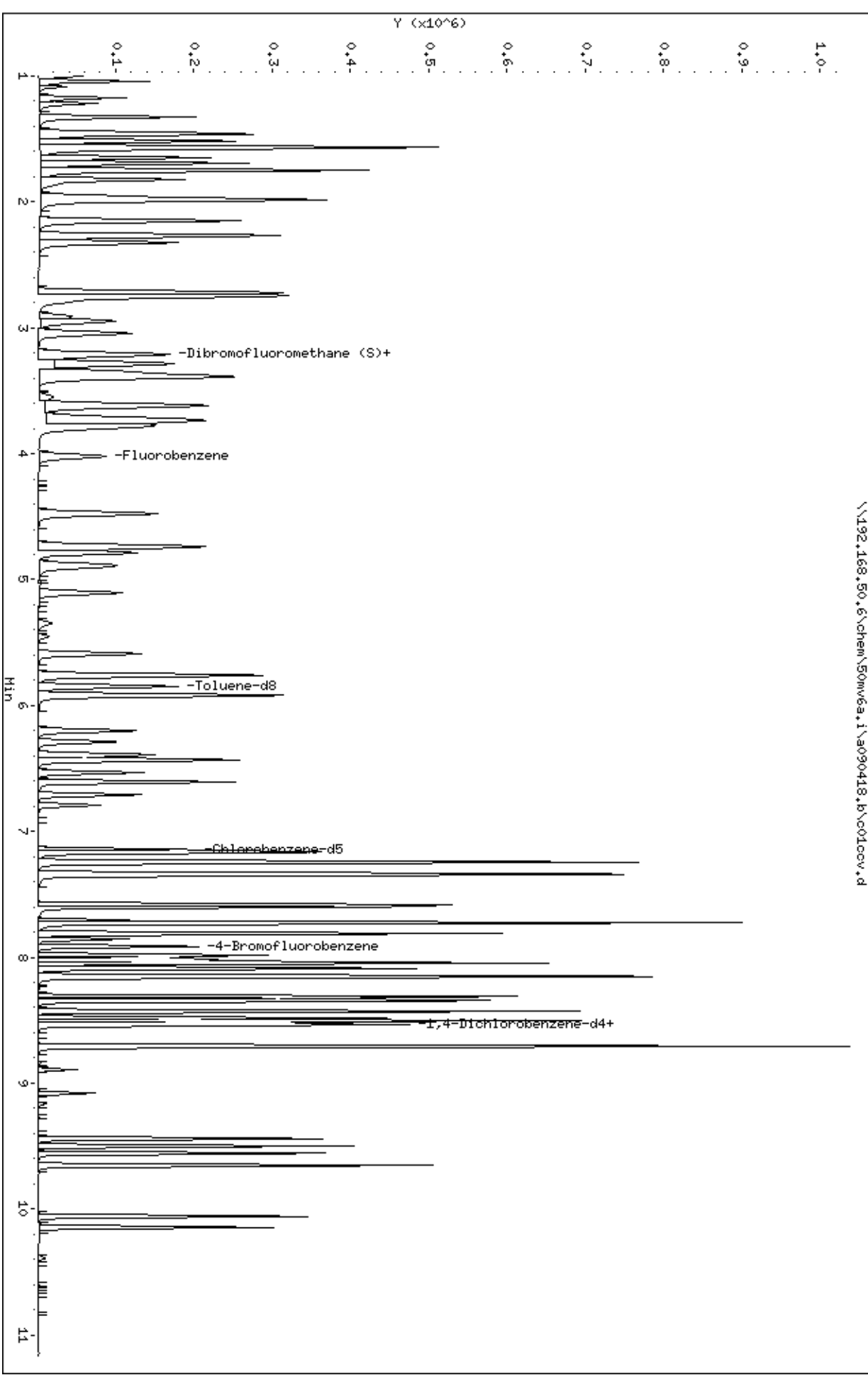
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb)	ON-COL (ppb)
22 n-Hexane	57	2.152	2.152	(0.535)	102405	50.0000	56.0
24 Vinyl Acetate	43	2.264	2.264	(0.563)	265827	200.000	161
23 1,1-Dichloroethane	63	2.275	2.275	(0.565)	99481	50.0000	51.1
147 chloroprene	53	2.323	2.323	(0.577)	83770	50.0000	56.5
28 2-Butanone	72	2.713	2.713	(0.674)	23573	250.000	206
26 1,2-Dichloroethene (cis)	96	2.724	2.724	(0.677)	59267	50.0000	54.4
27 2,2-Dichloropropane	77	2.724	2.729	(0.677)	78328	50.0000	54.0
149 Propionitrile	54	2.767	2.772	(0.688)	5334	50.0000	42.6
151 Ethyl Acetate	88	2.751	2.751	(0.684)	12784	400.000	352
144 Methacrylonitrile	41	2.906	2.911	(0.722)	19784	50.0000	49.6
30 Bromochloromethane	49	2.943	2.943	(0.731)	38059	50.0000	49.8
31 Tetrahydrofuran	42	2.965	2.970	(0.737)	11316	50.0000	44.6
32 Chloroform	83	3.045	3.050	(0.757)	96268	50.0000	49.8
\$ 33 Dibromofluoromethane (S)	113	3.216	3.211	(0.799)	32429	50.0000	48.9
34 1,1,1-Trichloroethane	97	3.211	3.211	(0.798)	89570	50.0000	57.0
35 Cyclohexane	56	3.280	3.286	(0.815)	88113	50.0000	54.9
150 n-Butyl chloride	56	3.350	3.350	(0.833)	103546	50.0000	54.6
36 Carbon Tetrachloride	117	3.382	3.382	(0.840)	82309	50.0000	57.8
37 1,1-Dichloropropene	75	3.387	3.393	(0.842)	79146	50.0000	58.2
39 Benzene	78	3.617	3.623	(0.899)	206612	50.0000	54.8
40 1,2-Dichloroethane	62	3.708	3.708	(0.922)	57043	50.0000	51.7
145 isopropyl acetate	61	3.735	3.735	(0.928)	62457	200.000	226
141 2,2,4-Trimethylpentane	57	3.778	3.783	(0.939)	179665	50.0000	55.4
38 Isobutyl alcohol	43	3.553	3.553	(0.883)	16962	450.000	368
* 41 Fluorobenzene	96	4.024	4.029	(1.000)	98239	50.0000	
42 Trichloroethene	95	4.479	4.479	(1.113)	56609	50.0000	57.6
43 Methylcyclohexane	55	4.735	4.741	(1.177)	70807	50.0000	53.4
44 1,2-Dichloropropane	63	4.784	4.789	(1.189)	48054	50.0000	53.1
45 Dibromomethane	93	4.880	4.885	(1.213)	28604	50.0000	54.9
142 1,4-Dioxane	88	4.891	4.896	(1.215)	9650	1000.00	870
46 Methyl methacrylate	69	4.901	4.907	(1.218)	24620	50.0000	45.4
47 Bromodichloromethane	83	5.105	5.105	(1.269)	69337	50.0000	54.9
48 2-Chloroethyl vinyl ether	63	5.452	5.452	(0.763)	6185	100.000	33.2
49 cis-1,3-Dichloropropene	75	5.591	5.591	(0.782)	72239	50.0000	51.4
50 4-Methyl-2-Pentanone	43	5.763	5.763	(0.806)	169007	250.000	227
\$ 51 Toluene-d8	98	5.848	5.854	(0.818)	108897	50.0000	49.3
52 Toluene	91	5.918	5.923	(0.828)	208671	50.0000	52.8
53 trans-1,3-Dichloropropene	75	6.201	6.201	(0.868)	61705	50.0000	45.0
54 Ethyl Methacrylate	69	6.292	6.292	(0.880)	47204	50.0000	45.6
55 1,1,2-Trichloroethane	83	6.388	6.394	(0.894)	34297	50.0000	52.0
56 Tetrachloroethene	166	6.431	6.431	(0.900)	62898	50.0000	58.0
57 1,3-Dichloropropane	76	6.533	6.533	(0.914)	61846	50.0000	52.8
58 2-Hexanone	43	6.602	6.608	(0.924)	122289	250.000	228
59 Dibromochloromethane	129	6.709	6.715	(0.939)	50943	50.0000	55.2
60 1,2-Dibromoethane	107	6.790	6.795	(0.950)	40060	50.0000	47.5
* 61 Chlorobenzene-d5	117	7.148	7.148	(1.000)	73180	50.0000	
62 Chlorobenzene	112	7.164	7.170	(1.002)	130626	50.0000	53.1
63 1,1,1,2-Tetrachloroethane	131	7.244	7.245	(1.013)	49213	50.0000	56.1
64 Ethylbenzene	106	7.244	7.250	(1.013)	74421	50.0000	55.8
65 m&p-Xylene	106	7.341	7.341	(1.027)	181049	100.000	110
67 o-Xylene	106	7.581	7.582	(1.061)	85263	50.0000	57.4
68 Styrene	104	7.598	7.598	(1.063)	143087	50.0000	55.4
69 Bromoform	173	7.710	7.710	(0.904)	32842	50.0000	55.0
146 n-amyl acetate	70	7.726	7.726	(1.920)	108929	200.000	200

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb)	ON-COL (ppb)
70 Isopropylbenzene	105	7.812	7.812	(1.093)	232895	50.0000	56.0
\$ 72 4-Bromofluorobenzene	95	7.913	7.913	(1.107)	39178	50.0000	52.1
74 Bromobenzene	77	7.977	7.977	(1.116)	76727	50.0000	51.9
73 1,1,2,2-Tetrachloroethane	83	7.999	7.999	(0.938)	51239	50.0000	48.1
71 trans-1,4-Dichloro-2-butene	53	8.020	8.020	(1.122)	10699	50.0000	42.0
75 1,2,3-Trichloropropane	110	8.026	8.026	(0.941)	13061	50.0000	50.6
76 n-Propylbenzene	91	8.047	8.047	(0.944)	277622	50.0000	54.0
77 2-Chlorotoluene	91	8.090	8.090	(0.949)	148036	50.0000	50.7
78 1,3,5-Trimethylbenzene	105	8.149	8.149	(0.955)	177586	50.0000	55.5
79 4-Chlorotoluene	126	8.159	8.159	(0.957)	53663	50.0000	53.7
80 tert-Butylbenzene	119	8.309	8.309	(0.974)	209879	50.0000	54.5
81 1,2,4-Trimethylbenzene	105	8.341	8.341	(0.978)	173177	50.0000	53.7
82 sec-Butylbenzene	105	8.427	8.427	(0.988)	252113	50.0000	54.5
83 1,3-Dichlorobenzene	146	8.486	8.486	(0.995)	102017	50.0000	50.7
84 p-Isopropyltoluene	119	8.507	8.507	(0.997)	203379	50.0000	54.5
* 85 1,4-Dichlorobenzene-d4	152	8.528	8.528	(1.000)	40519	50.0000	
86 1,4-Dichlorobenzene	146	8.539	8.539	(1.001)	101887	50.0000	48.7
87 n-Butylbenzene	91	8.705	8.705	(1.021)	192602	50.0000	51.2
88 1,2-Dichlorobenzene	146	8.710	8.710	(1.021)	97708	50.0000	51.6
89 1,2-Dibromo-3-chloropropane	155	9.079	9.079	(1.065)	8780	50.0000	49.4
90 1,2,4-Trichlorobenzene	180	9.443	9.443	(1.107)	61221	50.0000	46.1
91 Hexachlorobutadiene	225	9.502	9.502	(1.114)	41179	50.0000	50.3
92 Naphthalene	128	9.556	9.556	(1.120)	153886	50.0000	47.8
93 1,2,3-Trichlorobenzene	180	9.652	9.652	(1.132)	62778	50.0000	45.3
94 2-methyl-naphthalene	142	10.058	10.058	(1.179)	93275	50.0000	40.1
148 1-Methylnaphthalene	141	10.144	10.144	(1.189)	74772	50.0000	40.4

Data File: \\192.168.50.6\chem\50mw6a.1\A090418.b\colocv.d
Date: 04-SEP-2018 22:37
Client ID: 8260-CCW
Sample Info: 8260-CCW,185603:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw6a.1
Operator: alia
Column diameter: 0.18

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Data File: \\192.168.50.6\chem\50mv6a.i\a090418.b/c01ccv.d
Injection Date: 04-SEP-2018 22:37
Instrument: 50mv6a.i
Lab Sample ID: 8260-CCV
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6a.i\a090518.b\a01ccv.d
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 Inj Date : 05-SEP-2018 11:10
 Operator : ala Inst ID: 50mv6a.i
 Smp Info : 8260-ccv,185603:0
 Misc Info : 117677
 Comment :
 Method : \\192.168.50.6\chem\50mv6a.i\a090518.b\ -a8260sl_a_c.m
 Meth Date : 06-Sep-2018 15:30 50mv6a.i Quant Type: ISTD
 Cal Date : 28-AUG-2018 14:20 Cal File: a01.d
 Als bottle: 2 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)
1 Dichlorodifluoromethane	85		0.916	0.916	(0.228)	41544	50.0000	42.3	
2 Chloromethane	50		0.996	0.996	(0.248)	47626	50.0000	42.7	
3 Vinyl Chloride	62		1.039	1.039	(0.258)	52388	50.0000	50.9	
4 Bromomethane	94		1.173	1.173	(0.291)	35258	50.0000	38.8	
5 Chloroethane	64		1.215	1.215	(0.302)	34173	50.0000	49.4	
6 Trichlorofluoromethane	101		1.322	1.322	(0.329)	72118	50.0000	51.7	
8 Diethyl ether	74		1.446	1.446	(0.359)	24134	50.0000	55.8	
7 1,2-dichlorotrifluoroethane	67		1.456	1.456	(0.362)	67252	50.0000	58.9	
9 Acrolein	56		1.515	1.515	(0.377)	128449	1000.00	950	
10 1,1,2trichlorotrifluoroethane	101		1.558	1.558	(0.387)	53817	50.0000	61.2	
11 1,1-Dichloroethene	96		1.563	1.563	(0.389)	47422	50.0000	56.6	
12 Acetone	43		1.579	1.579	(0.393)	51227	250.000	243	
13 Iodomethane	142		1.649	1.649	(0.410)	114737	100.000	114	
14 Carbon Disulfide	76		1.692	1.692	(0.420)	173871	50.0000	56.0	
16 Methyl Acetate	43		1.734	1.734	(0.431)	29177	50.0000	55.1	
143 Acetonitrile	39		1.750	1.750	(0.435)	101401	50.0000	58.2	
15 allyl chloride	41		1.750	1.750	(0.435)	160828	100.000	126	
17 Methylene Chloride	84		1.820	1.820	(0.452)	48444	50.0000	56.5	
18 tert-Butyl Alcohol	59		1.863	1.863	(0.463)	8831	100.000	88.7(Q)	
19 Acrylonitrile	53		1.954	1.954	(0.486)	51813	200.000	216	
20 Methyl-tert-butyl ether	73		1.975	1.975	(0.491)	103817	50.0000	57.5	
21 1,2-Dichloroethene (trans)	96		1.986	1.986	(0.494)	49497	50.0000	56.8	
22 n-Hexane	57		2.152	2.152	(0.535)	76096	50.0000	62.2	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb)	ON-COL (ppb)
24 Vinyl Acetate	43	2.264	2.264	(0.563)	216627	200.000	197
23 1,1-Dichloroethane	63	2.275	2.275	(0.565)	73442	50.0000	56.6
147 chloroprene	53	2.323	2.323	(0.577)	59919	50.0000	60.8
28 2-Butanone	72	2.713	2.713	(0.674)	16224	250.000	213
26 1,2-Dichloroethene (cis)	96	2.724	2.724	(0.677)	39564	50.0000	54.6(Q)
27 2,2-Dichloropropane	77	2.724	2.724	(0.677)	57104	50.0000	59.2
149 Propionitrile	54	2.772	2.772	(0.689)	3918	50.0000	46.6(Q)
151 Ethyl Acetate	88	2.751	2.751	(0.684)	7683	400.000	320(Q)
144 Methacrylonitrile	41	2.906	2.906	(0.722)	25109	50.0000	94.5
30 Bromochloromethane	49	2.943	2.943	(0.731)	30808	50.0000	60.6
31 Tetrahydrofuran	42	2.970	2.970	(0.738)	8537	50.0000	50.6
32 Chloroform	83	3.045	3.045	(0.757)	65867	50.0000	51.2
\$ 33 Dibromofluoromethane (S)	113	3.211	3.211	(0.798)	21857	50.0000	49.6
34 1,1,1-Trichloroethane	97	3.211	3.211	(0.798)	58885	50.0000	56.3
35 Cyclohexane	56	3.280	3.280	(0.815)	63418	50.0000	59.3
150 n-Butyl chloride	56	3.350	3.350	(0.833)	76161	50.0000	60.3
36 Carbon Tetrachloride	117	3.382	3.382	(0.840)	54130	50.0000	57.1
37 1,1-Dichloropropene	75	3.387	3.387	(0.842)	55313	50.0000	61.1
39 Benzene	78	3.617	3.617	(0.899)	142438	50.0000	56.8
40 1,2-Dichloroethane	62	3.708	3.708	(0.922)	41079	50.0000	55.9
145 isopropyl acetate	61	3.730	3.730	(0.927)	45186	200.000	246
141 2,2,4-Trimethylpentane	57	3.778	3.778	(0.939)	132583	50.0000	61.4
38 Isobutyl alcohol	43	3.553	3.553	(0.883)	12112	450.000	394
* 41 Fluorobenzene	96	4.024	4.024	(1.000)	65397	50.0000	
42 Trichloroethene	95	4.479	4.479	(1.113)	36883	50.0000	56.3
43 Methylcyclohexane	55	4.741	4.741	(1.178)	49833	50.0000	56.4
44 1,2-Dichloropropane	63	4.784	4.784	(1.189)	36046	50.0000	59.8
45 Dibromomethane	93	4.880	4.880	(1.213)	19450	50.0000	56.1
142 1,4-Dioxane	88	4.896	4.896	(1.217)	6060	1000.00	826
46 Methyl methacrylate	69	4.901	4.901	(1.218)	16780	50.0000	46.5
47 Bromodichloromethane	83	5.105	5.105	(1.269)	47462	50.0000	56.5
48 2-Chloroethyl vinyl ether	63	5.452	5.452	(0.763)	5559	100.000	41.6
49 cis-1,3-Dichloropropene	75	5.586	5.586	(0.781)	52505	50.0000	56.3
50 4-Methyl-2-Pentanone	43	5.763	5.763	(0.806)	131884	250.000	267
\$ 51 Toluene-d8	98	5.848	5.848	(0.818)	74917	50.0000	51.2
52 Toluene	91	5.918	5.918	(0.828)	143189	50.0000	54.6
53 trans-1,3-Dichloropropene	75	6.201	6.201	(0.868)	44240	50.0000	48.6
54 Ethyl Methacrylate	69	6.287	6.287	(0.880)	40824	50.0000	59.0
55 1,1,2-Trichloroethane	83	6.389	6.389	(0.894)	24825	50.0000	56.7
56 Tetrachloroethene	166	6.431	6.431	(0.900)	38455	50.0000	53.4
57 1,3-Dichloropropane	76	6.533	6.533	(0.914)	44120	50.0000	56.8
58 2-Hexanone	43	6.608	6.608	(0.924)	93160	250.000	262
59 Dibromochloromethane	129	6.715	6.715	(0.939)	33629	50.0000	54.9
60 1,2-Dibromoethane	107	6.790	6.790	(0.950)	26871	50.0000	48.0
* 61 Chlorobenzene-d5	117	7.148	7.148	(1.000)	48545	50.0000	
62 Chlorobenzene	112	7.170	7.170	(1.003)	87367	50.0000	53.5
63 1,1,1,2-Tetrachloroethane	131	7.245	7.245	(1.013)	32660	50.0000	56.1
64 Ethylbenzene	106	7.245	7.245	(1.013)	50233	50.0000	56.8
65 m&p-Xylene	106	7.341	7.341	(1.027)	123472	100.000	113
67 o-Xylene	106	7.582	7.582	(1.061)	56666	50.0000	57.5
68 Styrene	104	7.603	7.603	(1.064)	99238	50.0000	58.0
69 Bromoform	173	7.710	7.710	(0.904)	21255	50.0000	47.5
146 n-amyl acetate	70	7.726	7.726	(1.920)	81242	200.000	224
70 Isopropylbenzene	105	7.812	7.812	(1.093)	162132	50.0000	58.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb)	ON-COL (ppb)
\$ 72 4-Bromofluorobenzene	95	7.913	7.913	(1.107)	27100	50.0000	54.3
74 Bromobenzene	77	7.977	7.977	(1.116)	54918	50.0000	56.0
73 1,1,2,2-Tetrachloroethane	83	7.999	7.999	(0.938)	37701	50.0000	47.2
71 trans-1,4-Dichloro-2-butene	53	8.020	8.020	(1.122)	11309	50.0000	66.4 (Q)
75 1,2,3-Trichloropropane	110	8.026	8.026	(0.941)	9034	50.0000	46.7 (Q)
76 n-Propylbenzene	91	8.047	8.047	(0.944)	204590	50.0000	53.1
77 2-Chlorotoluene	91	8.090	8.090	(0.949)	112755	50.0000	51.6
78 1,3,5-Trimethylbenzene	105	8.149	8.149	(0.955)	128081	50.0000	53.4
79 4-Chlorotoluene	126	8.159	8.159	(0.957)	40315	50.0000	53.9
80 tert-Butylbenzene	119	8.315	8.315	(0.975)	147790	50.0000	51.3
81 1,2,4-Trimethylbenzene	105	8.341	8.341	(0.978)	128680	50.0000	53.3
82 sec-Butylbenzene	105	8.427	8.427	(0.988)	184119	50.0000	53.1
83 1,3-Dichlorobenzene	146	8.486	8.486	(0.995)	75214	50.0000	49.9
84 p-Isopropyltoluene	119	8.507	8.507	(0.997)	150667	50.0000	53.9
* 85 1,4-Dichlorobenzene-d4	152	8.529	8.529	(1.000)	30358	50.0000	
86 1,4-Dichlorobenzene	146	8.539	8.539	(1.001)	76998	50.0000	49.1
87 n-Butylbenzene	91	8.705	8.705	(1.021)	154894	50.0000	55.0
88 1,2-Dichlorobenzene	146	8.710	8.710	(1.021)	72748	50.0000	51.2
89 1,2-Dibromo-3-chloropropane	155	9.085	9.085	(1.065)	5976	50.0000	44.8
90 1,2,4-Trichlorobenzene	180	9.443	9.443	(1.107)	48626	50.0000	48.8
91 Hexachlorobutadiene	225	9.502	9.502	(1.114)	30004	50.0000	49.0
92 Naphthalene	128	9.556	9.556	(1.120)	107937	50.0000	44.7
93 1,2,3-Trichlorobenzene	180	9.652	9.652	(1.132)	48914	50.0000	47.1
94 2,methyl-naphthalene	142	10.059	10.059	(1.179)	66461	50.0000	38.2
148 1-Methylnaphthalene	141	10.144	10.144	(1.189)	53092	50.0000	38.3

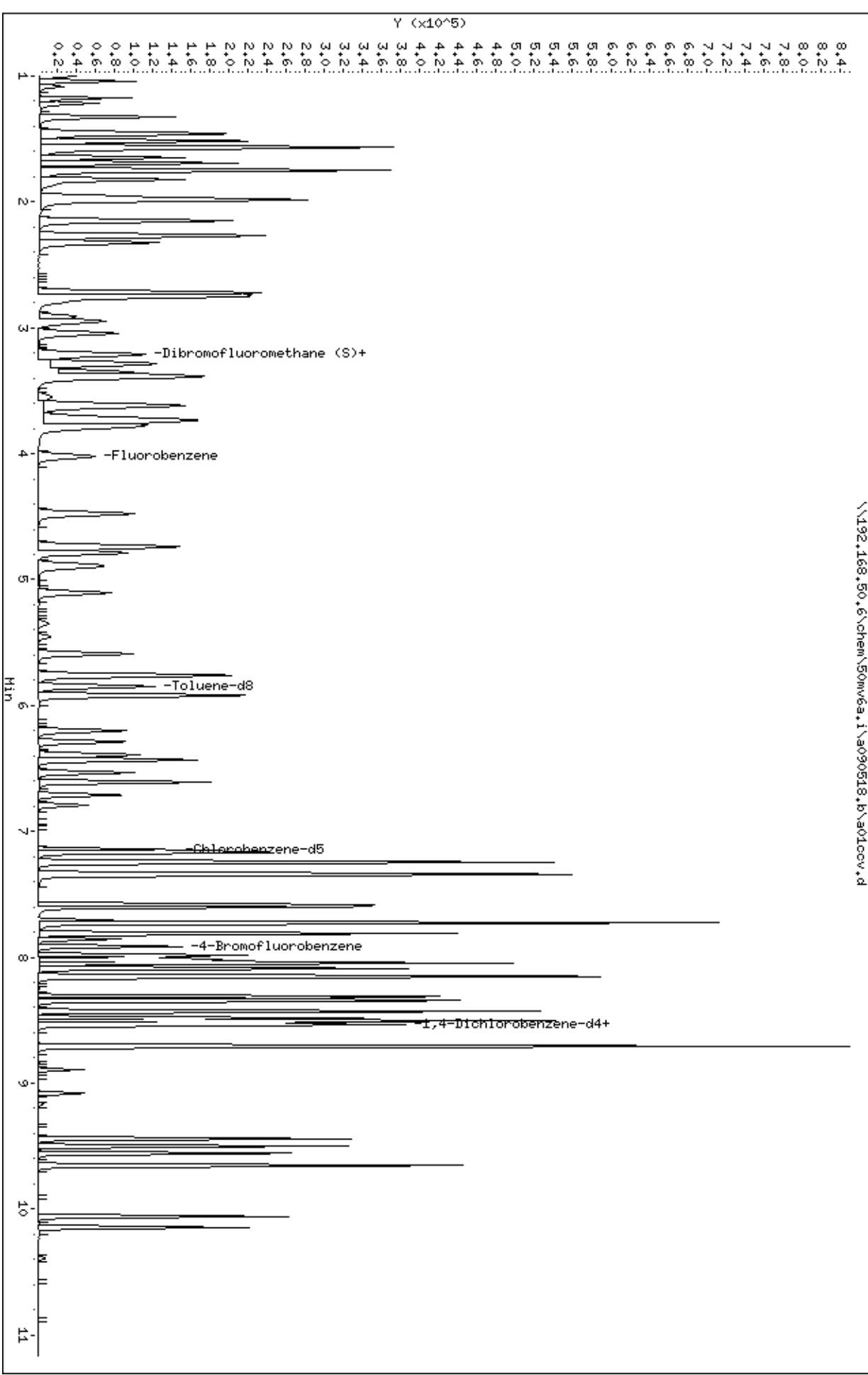
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mw6a.i\A090518.b\A01ocv.d
Date: 05-SEP-2018 11:10
Client ID: 8260-CCW
Sample Info: 8260-CCW,185603:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw6a.i
Operator: alia
Column diameter: 0.18

\\192.168.50.6\chem\50mw6a.i\A090518.b\A01ocv.d



Data File: \\192.168.50.6\chem\50mv6a.i\a090518.b/a01ccv.d
Injection Date: 05-SEP-2018 11:10
Instrument: 50mv6a.i
Lab Sample ID: 8260-CCV
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Date : 22-AUG-2018 13:13

Client ID: 8260-TUNE

Instrument: 50mv2a.i

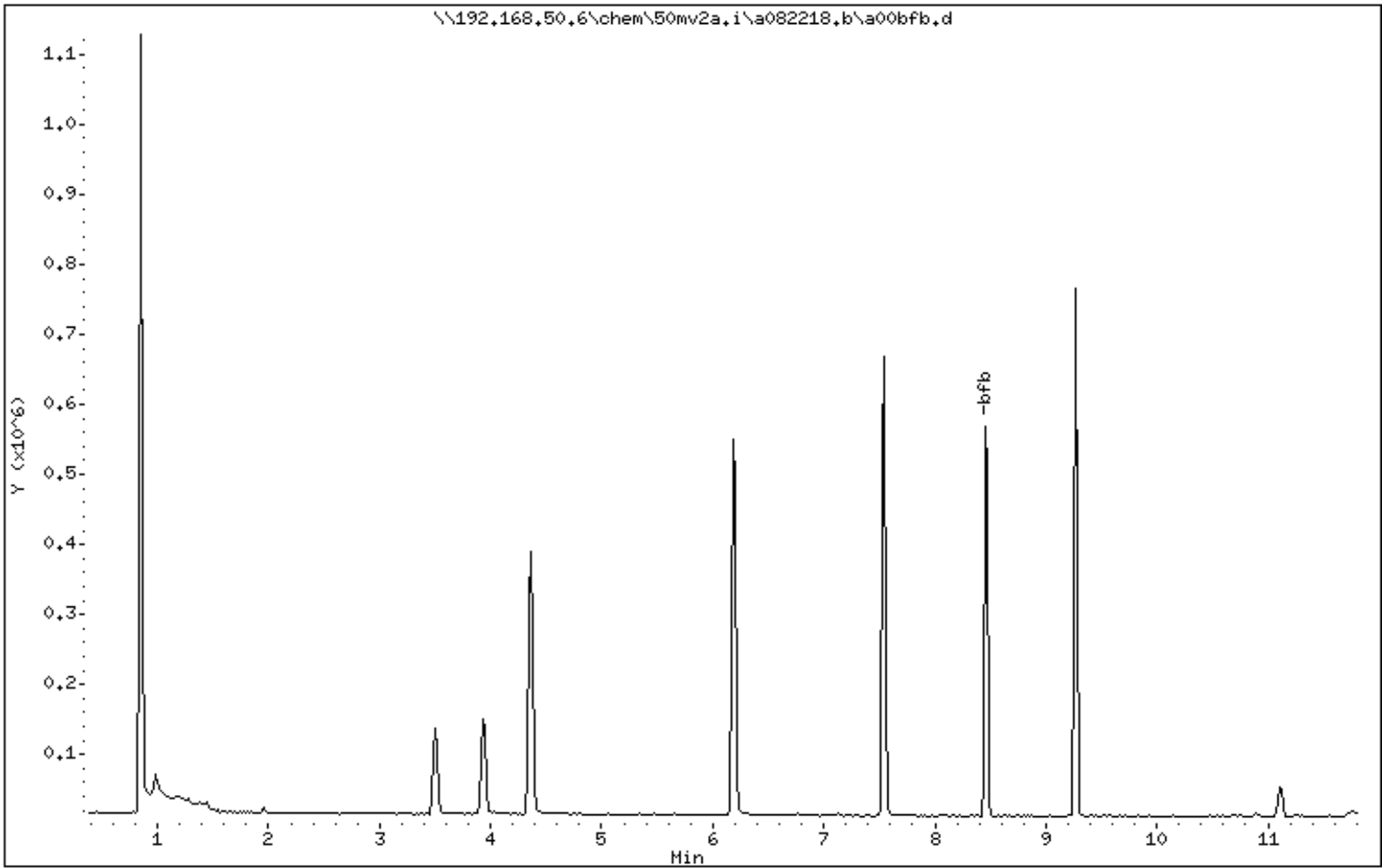
Sample Info: 8260-TUNE,182982;0

Volume Injected (uL): 5.0

Operator: amv

Column phase: DB-624

Column diameter: 0,18



Date : 22-AUG-2018 13:13

Client ID: 8260-TUNE

Instrument: 50mv2a.i

Sample Info: 8260-TUNE,182982;0

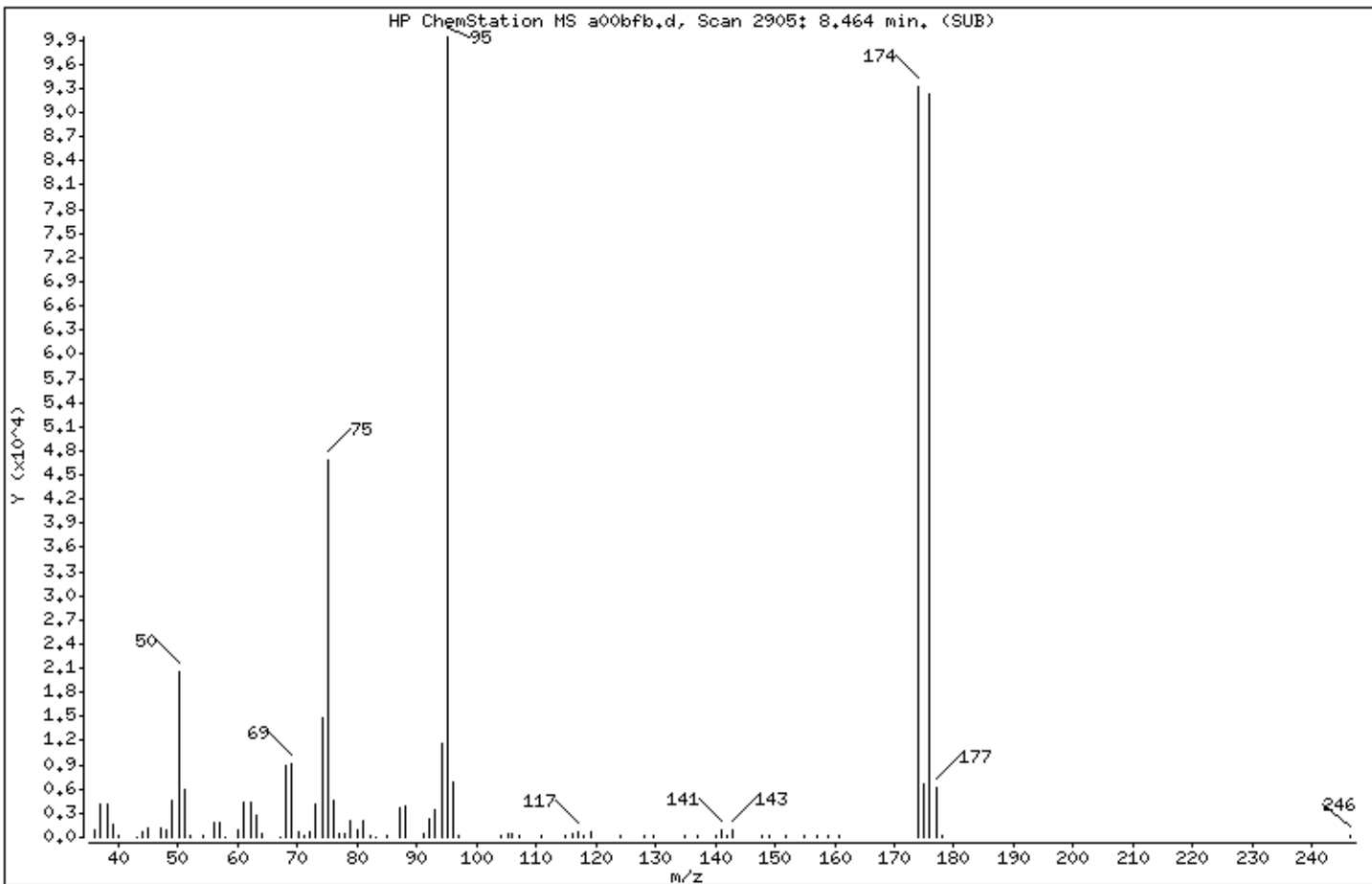
Volume Injected (uL): 5.0

Operator: amv

Column phase: DB-624

Column diameter: 0,18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100,00
50	15,00 - 40,00% of mass 95	20,68
75	30,00 - 60,00% of mass 95	47,09
96	5,00 - 9,00% of mass 95	6,92
173	Less than 2,00% of mass 174	0,00 (0,00)
174	50,00 - 100,00% of mass 95	93,72
175	5,00 - 9,00% of mass 174	6,64 (7,08)
176	95,00 - 101,00% of mass 174	92,81 (99,03)
177	5,00 - 9,00% of mass 176	6,15 (6,63)

Date : 22-AUG-2018 13:13

Client ID: 8260-TUNE

Instrument: 50mv2a.i

Sample Info: 8260-TUNE,182982:0

Volume Injected (uL): 5.0

Operator: amv

Column phase: DB-624

Column diameter: 0.18

Data File: a00bfb.d

Spectrum: HP ChemStation MS a00bfb.d, Scan 2905: 8.464 min. (SUB)

Location of Maximum: 95.10

Number of points: 82

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	888	63.10	2764	88.00	3880	134.90	298
37.10	4154	64.00	419	91.10	422	137.00	244
38.10	4150	67.10	95	92.00	2319	140.00	179
39.10	1501	68.10	9013	93.10	3517	141.00	807
40.10	316	69.10	9109	94.10	11627	141.90	205
43.10	80	70.10	758	95.10	99384	142.90	1002
44.10	600	71.10	127	96.10	6878	147.80	230
45.10	1037	72.10	610	97.00	279	149.10	188
47.00	1159	73.10	4174	104.00	297	151.90	159
48.00	988	74.10	14747	105.20	453	154.90	195
49.10	4562	75.10	46800	105.90	354	157.00	217
50.10	20552	76.10	4571	107.10	150	158.90	177
51.10	5989	77.10	380	111.00	280	160.80	199
51.90	196	78.00	368	115.00	181	174.00	93144
54.10	236	78.90	2058	116.00	566	175.00	6595
56.10	1755	80.00	895	117.10	714	176.00	92240
57.10	1934	81.10	2123	118.00	194	177.00	6111
58.00	57	82.10	176	119.10	696	178.00	183
60.10	864	83.10	68	124.10	198	246.30	171
61.10	4351	85.10	185	128.00	326		
62.10	4444	87.00	3757	129.70	179		

Date : 02-SEP-2018 02:51

Client ID: 8260-TUNE

Instrument: 50mv2a.i

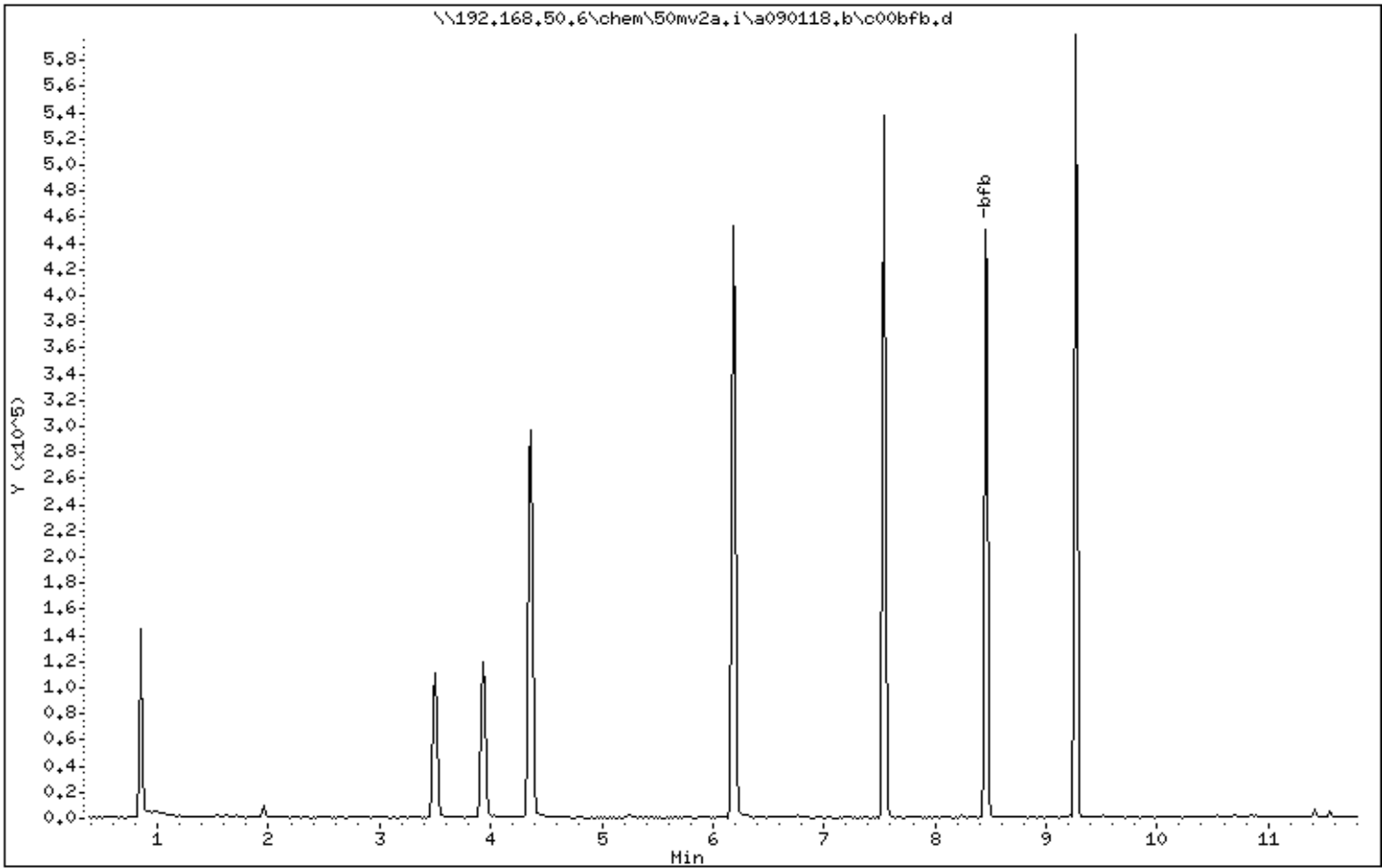
Sample Info: 8260-TUNE,182982;0

Volume Injected (uL): 5.0

Operator: amv

Column phase: DB-624

Column diameter: 0,18



Date : 02-SEP-2018 02:51

Client ID: 8260-TUNE

Instrument: 50mv2a.i

Sample Info: 8260-TUNE,182982;0

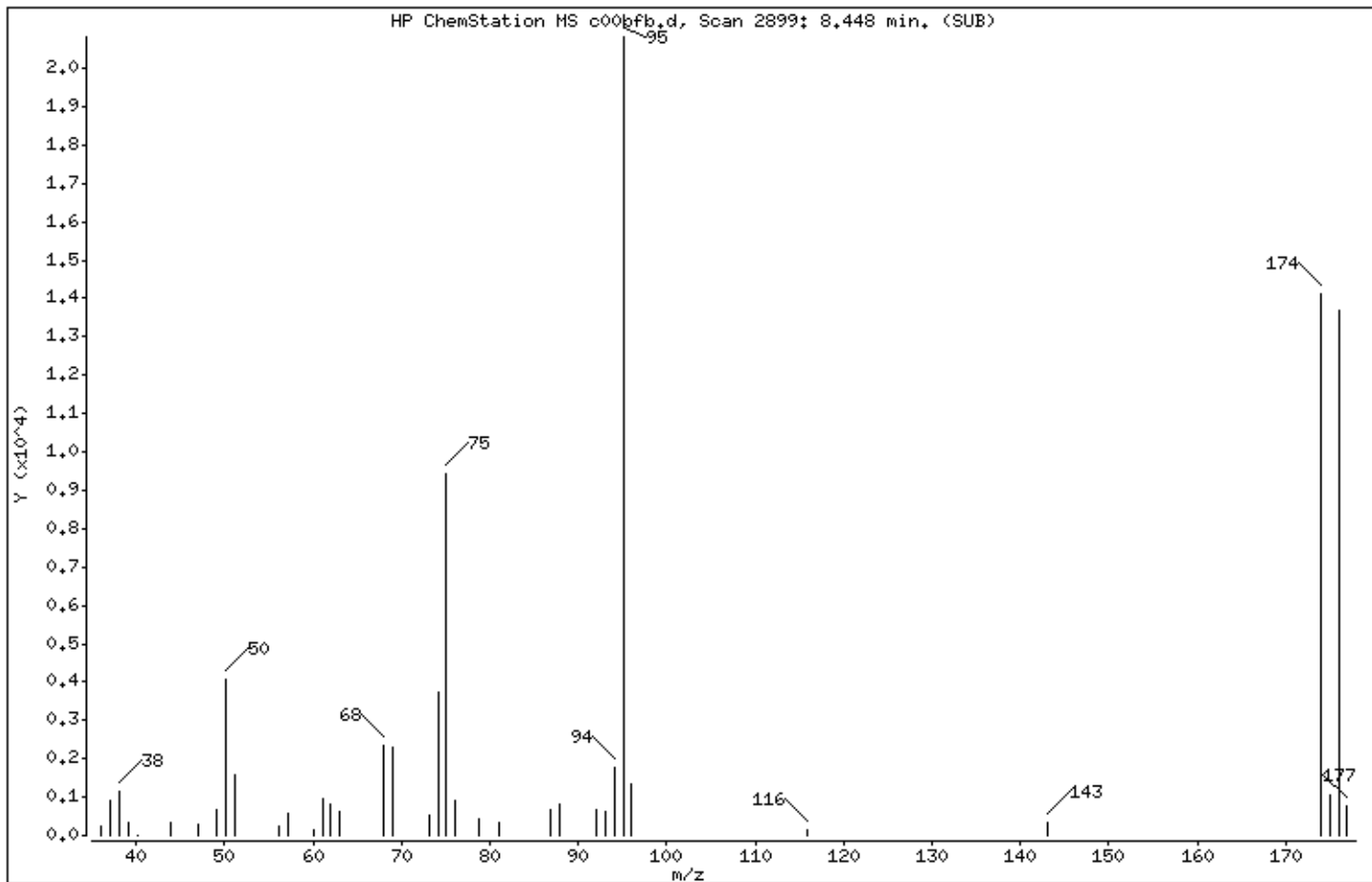
Volume Injected (uL): 5.0

Operator: amv

Column phase: DB-624

Column diameter: 0,18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100,00
50	15,00 - 40,00% of mass 95	19,60
75	30,00 - 60,00% of mass 95	45,39
96	5,00 - 9,00% of mass 95	6,46
173	Less than 2,00% of mass 174	0,00 (0,00)
174	50,00 - 100,00% of mass 95	67,80
175	5,00 - 9,00% of mass 174	5,14 (7,58)
176	95,00 - 101,00% of mass 174	65,71 (96,92)
177	5,00 - 9,00% of mass 176	3,71 (5,64)

Date : 02-SEP-2018 02:51

Client ID: 8260-TUNE

Instrument: 50mv2a.i

Sample Info: 8260-TUNE,182982;0

Volume Injected (uL): 5.0

Operator: amv

Column phase: DB-624

Column diameter: 0.18

Data File: c00bfb.d

Spectrum: HP ChemStation MS c00bfb.d, Scan 2899: 8.448 min. (SUB)

Location of Maximum: 95.10

Number of points: 37

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	253	56.10	260	75.10	9448	96.00	1345
37.10	933	57.10	597	76.00	890	115.80	157
38.10	1141	60.10	151	78.80	420	143.10	328
39.10	342	61.10	937	81.00	338	174.00	14114
40.10	11	62.00	808	86.90	689	174.90	1070
44.00	338	63.00	614	87.90	799	176.00	13679
47.10	283	68.00	2331	92.00	680	176.90	772
49.10	690	69.00	2296	93.00	615		
50.10	4079	73.20	529	94.10	1749		
51.10	1595	74.10	3751	95.10	20816		

Date : 28-AUG-2018 13:40

Client ID: 8260-TUNE

Instrument: 50mv6a.i

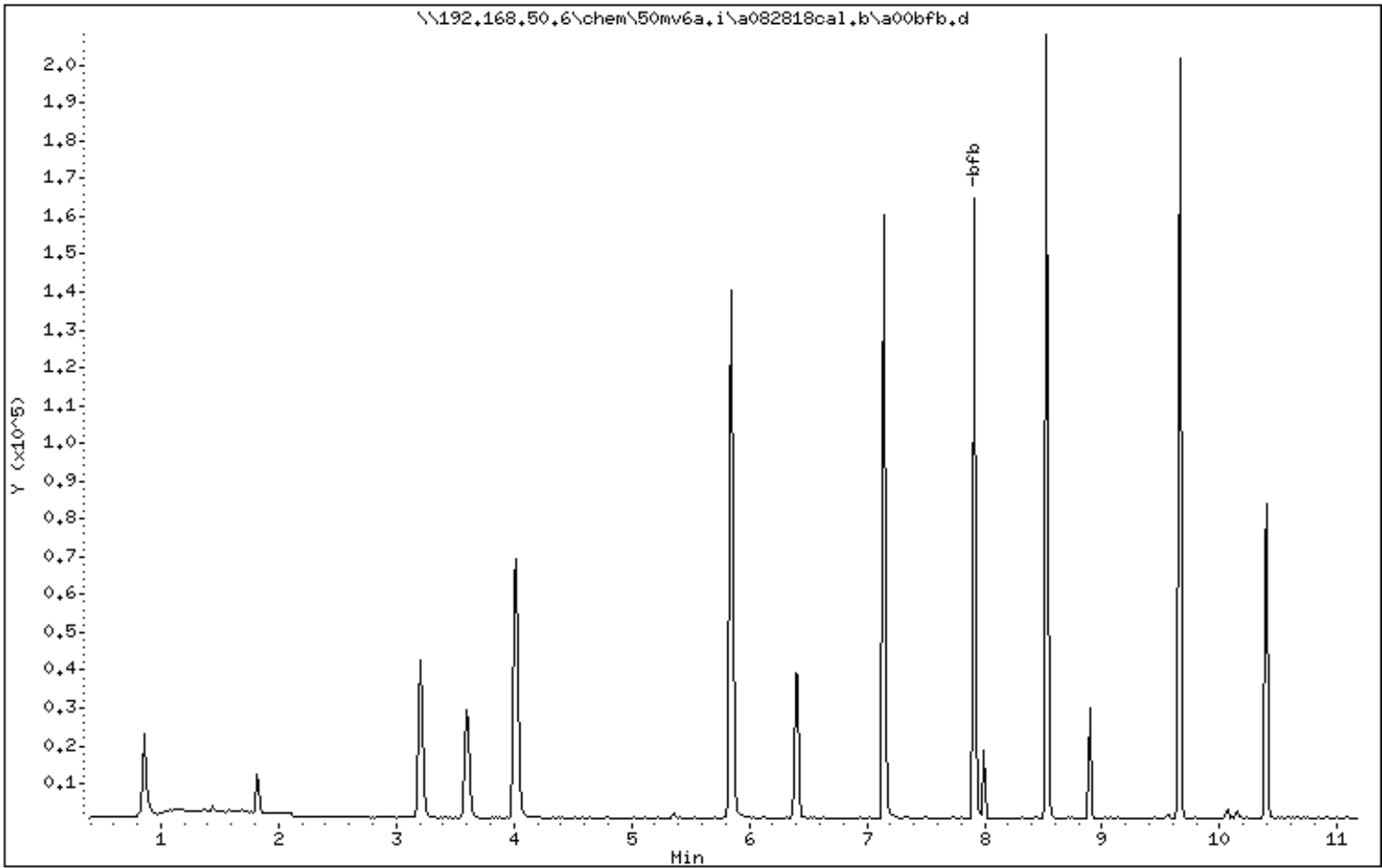
Sample Info: 8260-TUNE,184846:0

Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00



Date : 28-AUG-2018 13:40

Client ID: 8260-TUNE

Instrument: 50mv6a.i

Sample Info: 8260-TUNE.184846:0

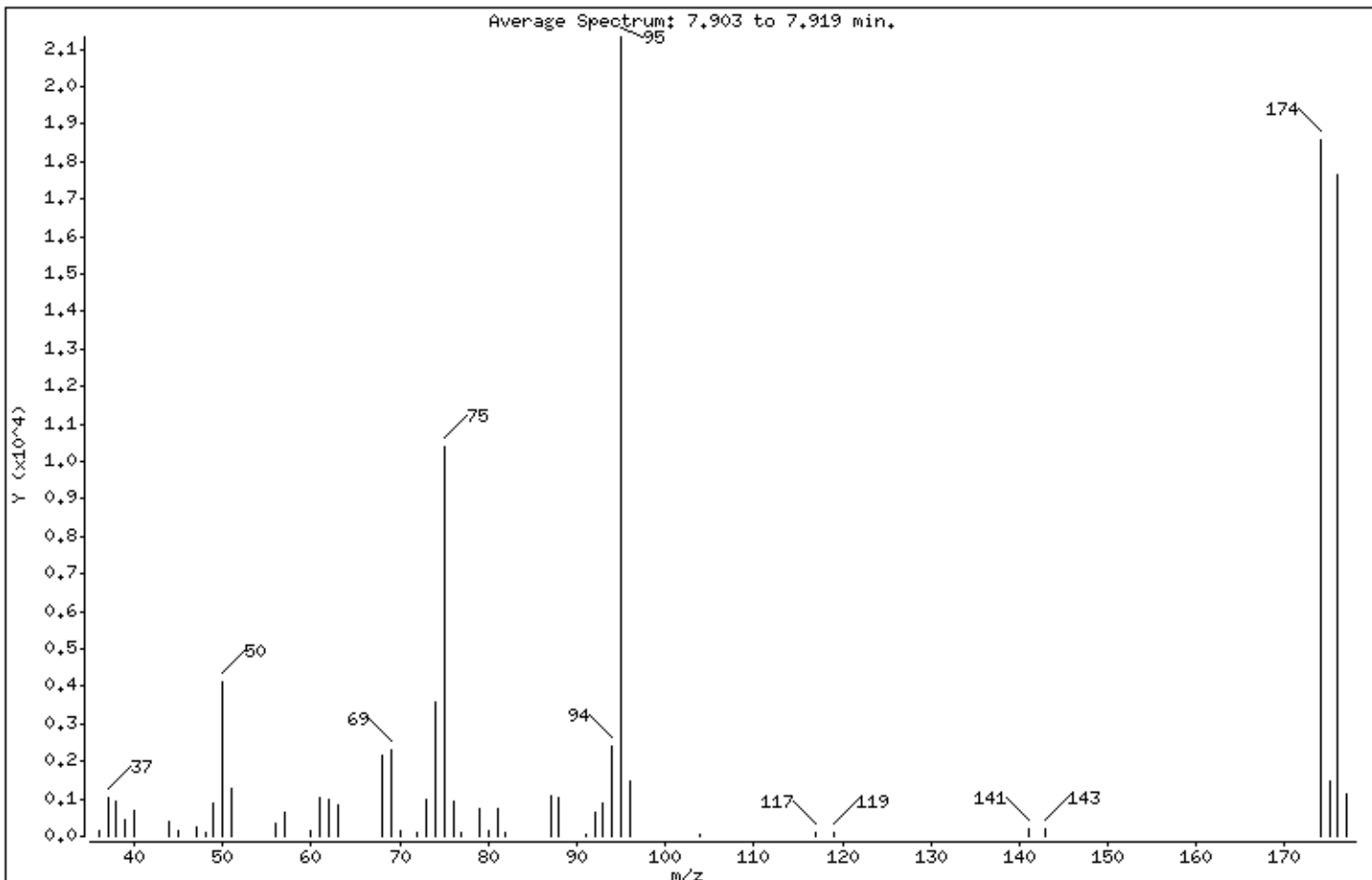
Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.24
75	30.00 - 60.00% of mass 95	48.76
96	5.00 - 9.00% of mass 95	6.88
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	87.08
175	5.00 - 9.00% of mass 174	6.98 (8.01)
176	95.00 - 101.00% of mass 174	82.88 (95.18)
177	5.00 - 9.00% of mass 176	5.38 (6.49)

Date : 28-AUG-2018 13:40

Client ID: 8260-TUNE

Instrument: 50mv6a.i

Sample Info: 8260-TUNE,184846;0

Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00

Data File: a00bfb.d

Spectrum: Average Spectrum: 7.903 to 7.919 min.

Location of Maximum: 95.00

Number of points: 48

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	163	57.00	640	77.00	102	104.00	38
37.00	1054	60.00	126	79.00	719	117.00	101
38.00	945	61.00	1021	80.00	136	119.00	86
39.00	419	62.00	982	81.00	732	141.00	181
40.00	682	63.00	824	82.00	99	143.00	184
44.00	399	68.00	2133	87.00	1073	174.00	18568
45.00	124	69.00	2310	88.00	1036	175.00	1488
47.00	228	70.00	124	91.00	40	176.00	17672
48.00	98	72.00	89	92.00	618	177.00	1147
49.00	885	73.00	976	93.00	881		
50.00	4105	74.00	3559	94.00	2405		
51.00	1290	75.00	10401	95.00	21328		
56.00	337	76.00	920	96.00	1467		

Date : 04-SEP-2018 21:58

Client ID: 8260-TUNE

Instrument: 50mv6a.i

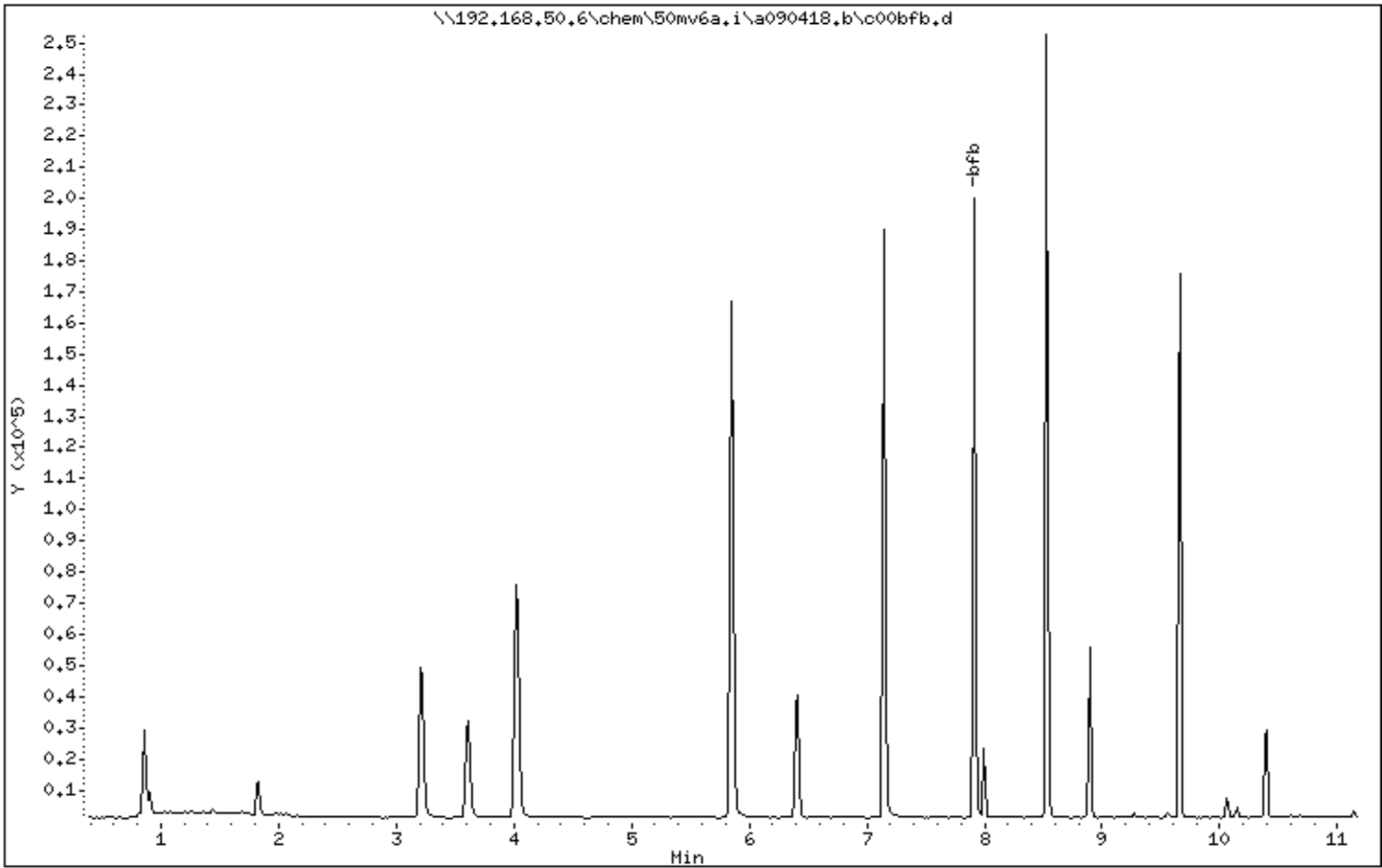
Sample Info: 8260-TUNE,183587;0

Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00



Date : 04-SEP-2018 21:58

Client ID: 8260-TUNE

Instrument: 50mv6a.i

Sample Info: 8260-TUNE,183587:0

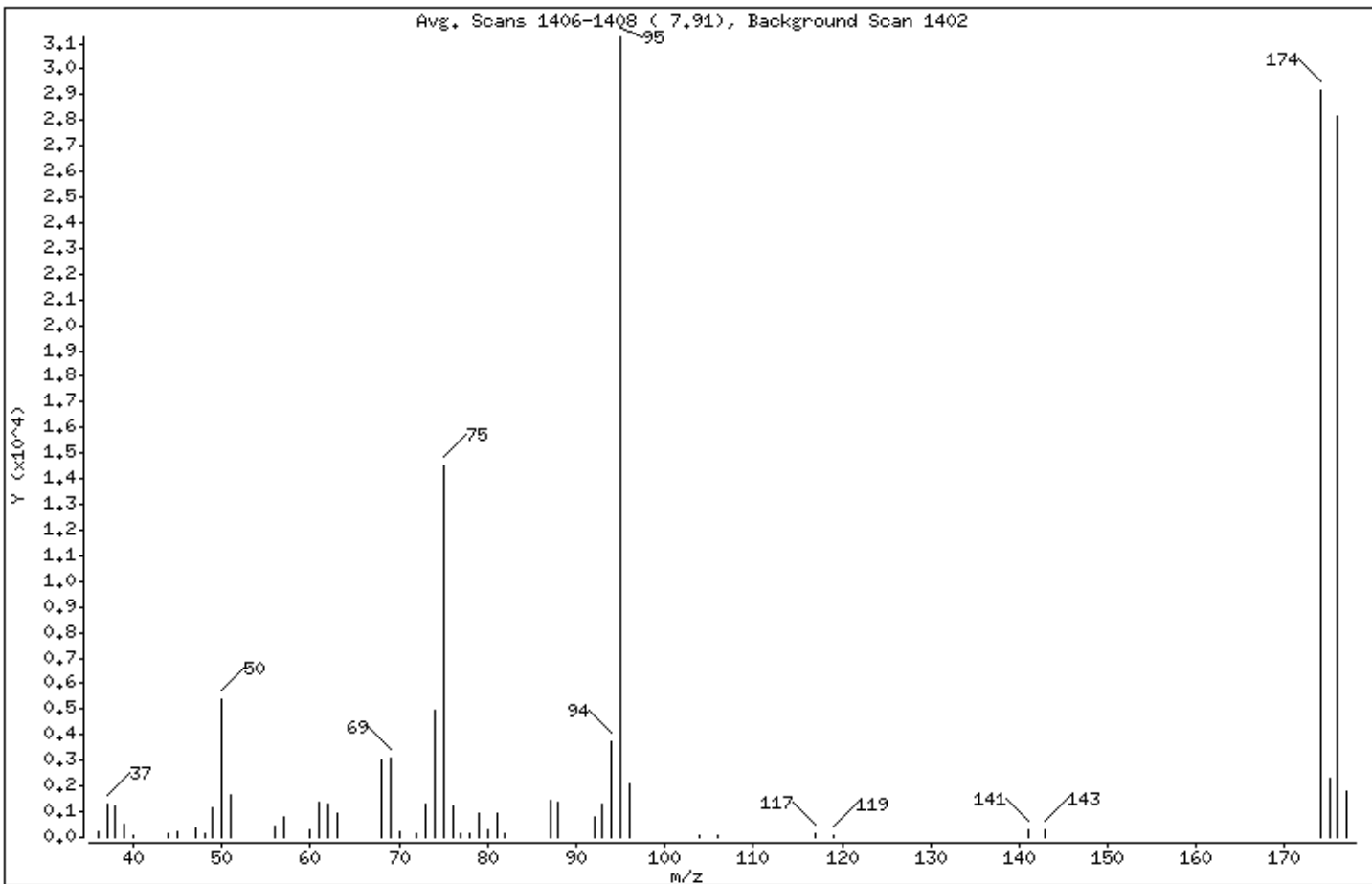
Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.31
75	30.00 - 60.00% of mass 95	46.39
96	5.00 - 9.00% of mass 95	6.69
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	93.27
175	5.00 - 9.00% of mass 174	7.27 (7.79)
176	95.00 - 101.00% of mass 174	90.17 (96.68)
177	5.00 - 9.00% of mass 176	5.80 (6.44)

Date : 04-SEP-2018 21:58

Client ID: 8260-TUNE

Instrument: 50mv6a.i

Sample Info: 8260-TUNE,183587;0

Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00

Data File: c00bfb.d

Spectrum: Avg. Scans 1406-1408 (7.91), Background Scan 1402

Location of Maximum: 95.00

Number of points: 49

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	193	57.00	803	77.00	138	104.00	50
37.00	1272	60.00	266	78.00	120	106.00	58
38.00	1234	61.00	1365	79.00	970	117.00	140
39.00	518	62.00	1324	80.00	263	119.00	60
40.00	71	63.00	952	81.00	912	141.00	271
44.00	177	68.00	3033	82.00	171	143.00	278
45.00	209	69.00	3085	87.00	1446	174.00	29152
47.00	335	70.00	189	88.00	1369	175.00	2271
48.00	125	72.00	121	92.00	814	176.00	28184
49.00	1170	73.00	1295	93.00	1329	177.00	1814
50.00	5411	74.00	4924	94.00	3727		
51.00	1654	75.00	14499	95.00	31256		
56.00	436	76.00	1214	96.00	2090		

Date : 05-SEP-2018 10:32

Client ID: 8260-TUNE

Instrument: 50mv6a,i

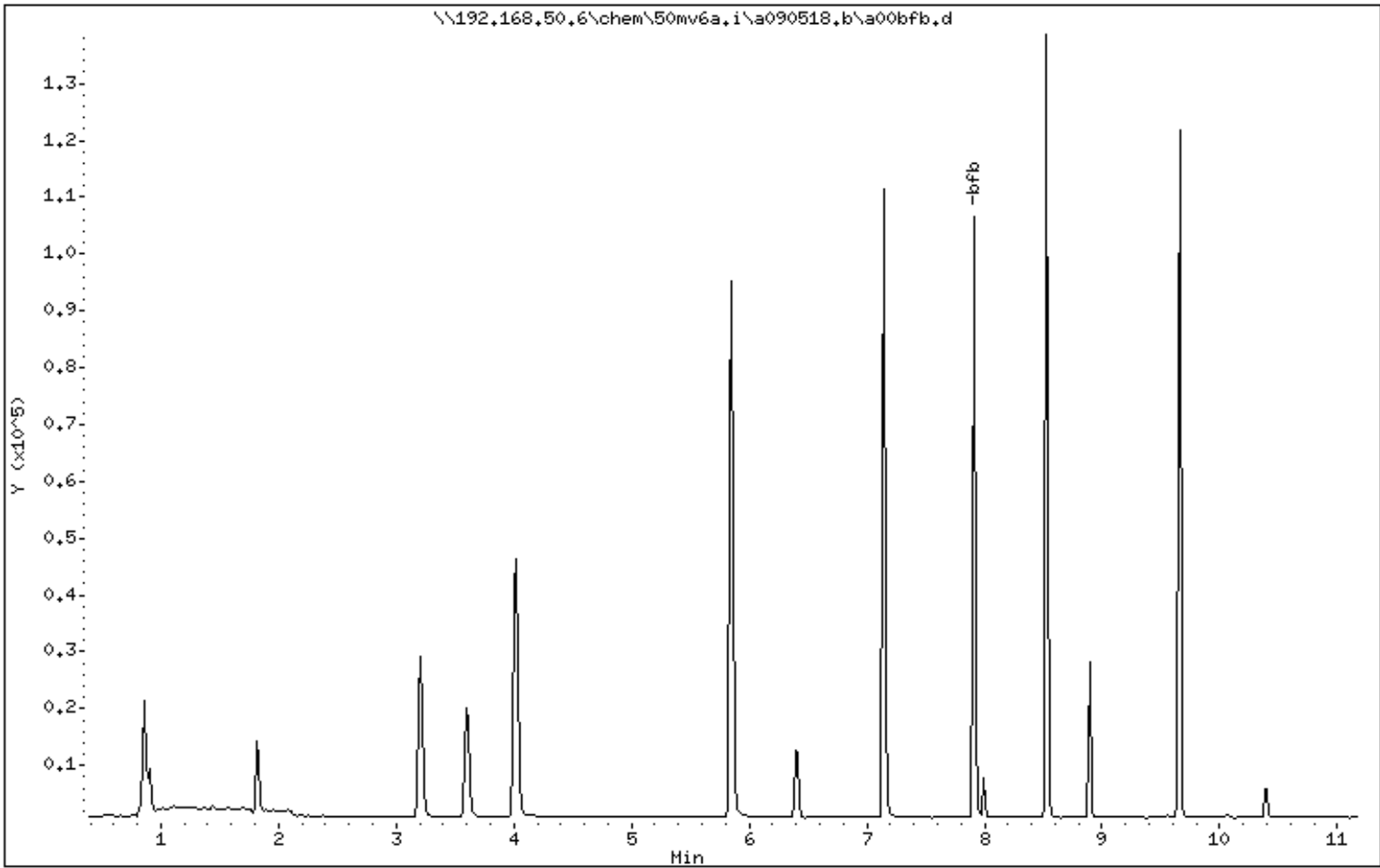
Sample Info: 8260-TUNE,183587;0

Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00



Date : 05-SEP-2018 10:32

Client ID: 8260-TUNE

Instrument: 50mv6a.i

Sample Info: 8260-TUNE,183587:0

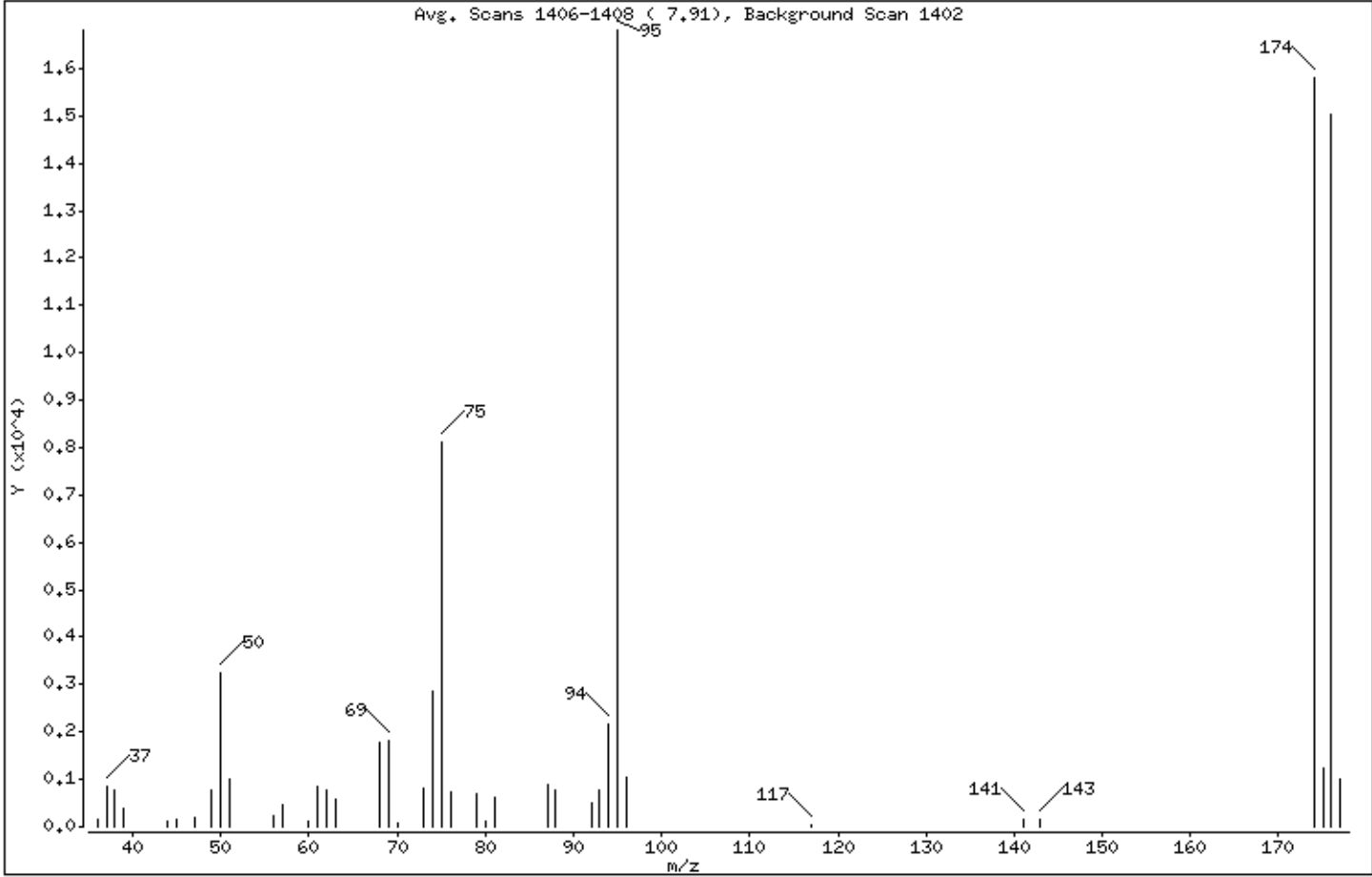
Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.24
75	30.00 - 60.00% of mass 95	48.27
96	5.00 - 9.00% of mass 95	6.30
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	94.07
175	5.00 - 9.00% of mass 174	7.33 (7.79)
176	95.00 - 101.00% of mass 174	89.40 (95.04)
177	5.00 - 9.00% of mass 176	6.00 (6.71)

Date : 05-SEP-2018 10:32

Client ID: 8260-TUNE

Instrument: 50mv6a.i

Sample Info: 8260-TUNE,183587:0

Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00

Data File: 00bfb.d

Spectrum: Avg. Scans 1406-1408 (7.91), Background Scan 1402

Location of Maximum: 95.00

Number of points: 40

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	138	57.00	471	76.00	723	117.00	52
37.00	863	60.00	130	79.00	684	141.00	149
38.00	755	61.00	847	80.00	119	143.00	148
39.00	373	62.00	765	81.00	636	174.00	15812
44.00	112	63.00	598	87.00	882	175.00	1232
45.00	143	68.00	1765	88.00	788	176.00	15027
47.00	176	69.00	1812	92.00	498	177.00	1009
49.00	766	70.00	65	93.00	782		
50.00	3234	73.00	814	94.00	2168		
51.00	1000	74.00	2844	95.00	16808		
56.00	230	75.00	8113	96.00	1059		

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 09/02/2018 04:04
Date Analyzed: 09/02/2018 04:04
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Water SDG No.: 50204438
Lab Sample ID: 2121944
Lab File ID: A090118.B\C03MB.D
Instrument: 50MV2A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U

09/10/2018 6:14

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
 Date Received: _____
 Date Extracted: 09/02/2018 04:04
 Date Analyzed: 09/02/2018 04:04
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
 Matrix: Water SDG No.: 50204438
 Lab Sample ID: 2121944
 Lab File ID: A090118.B\C03MB.D
 Instrument: 50MV2A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
179601-23-1	m&p-Xylene	ND	U
95-47-6	o-Xylene	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\090118.b\c03mb.d
 Lab Smp Id:
 Inj Date : 02-SEP-2018 04:04
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : mb
 Misc Info :
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\090118.b\090118.a_c.m
 Meth Date : 04-Sep-2018 10:47 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 29 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ppb)	FINAL (ppb)	
\$ 36 Dibromofluoromethane (S)	113		3.498	3.495	(0.802)	69239	53.5389	53.5	
* 45 Fluorobenzene	96		4.360	4.360	(1.000)	289572	50.0000		
50 1,4-Dioxane	88		5.245	5.242	(1.203)	1841	415.787	416	
\$ 57 Toluene-d8	98		6.188	6.185	(0.821)	283319	52.6391	52.6	
* 67 Chlorobenzene-d5	117		7.540	7.540	(1.000)	220139	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.461	8.461	(1.122)	110295	53.5313	53.5	
* 91 1,4-Dichlorobenzene-d4	152		9.268	9.268	(1.000)	114161	50.0000		

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a090118.b\c03mb.d
 Lab Smp Id:
 Inj Date : 02-SEP-2018 04:04
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : mb
 Misc Info :
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a090118.b\ -a8260_a_c.m
 Meth Date : 04-Sep-2018 10:47 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 29 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

COMPOUND	RT	AREA	AMOUNT
\$ 36 Dibromofluoromethane (S)	3.498	237019	53.539
* 45 Fluorobenzene	4.361	617476	50.000

RT	CONCENTRATIONS				QUANT			REVIEW CODE
	AREA	ON-COL(ppb)	FINAL(ppb)	QUAL	LIBRARY	LIB ENTRY	CPND #	
Unknown								
0.844	205414	46.3997669	46.4	0		0	36	
Unknown								
3.930	255476	20.6871024	20.7	0		0	45	

Data File: \\192.168.50.6\chem\50mw2a.i\9090118.b\c03mb.d
Date : 02-SEP-2018 04:04

Client ID:

Sample Info: mb

Purge Volume: 5.0

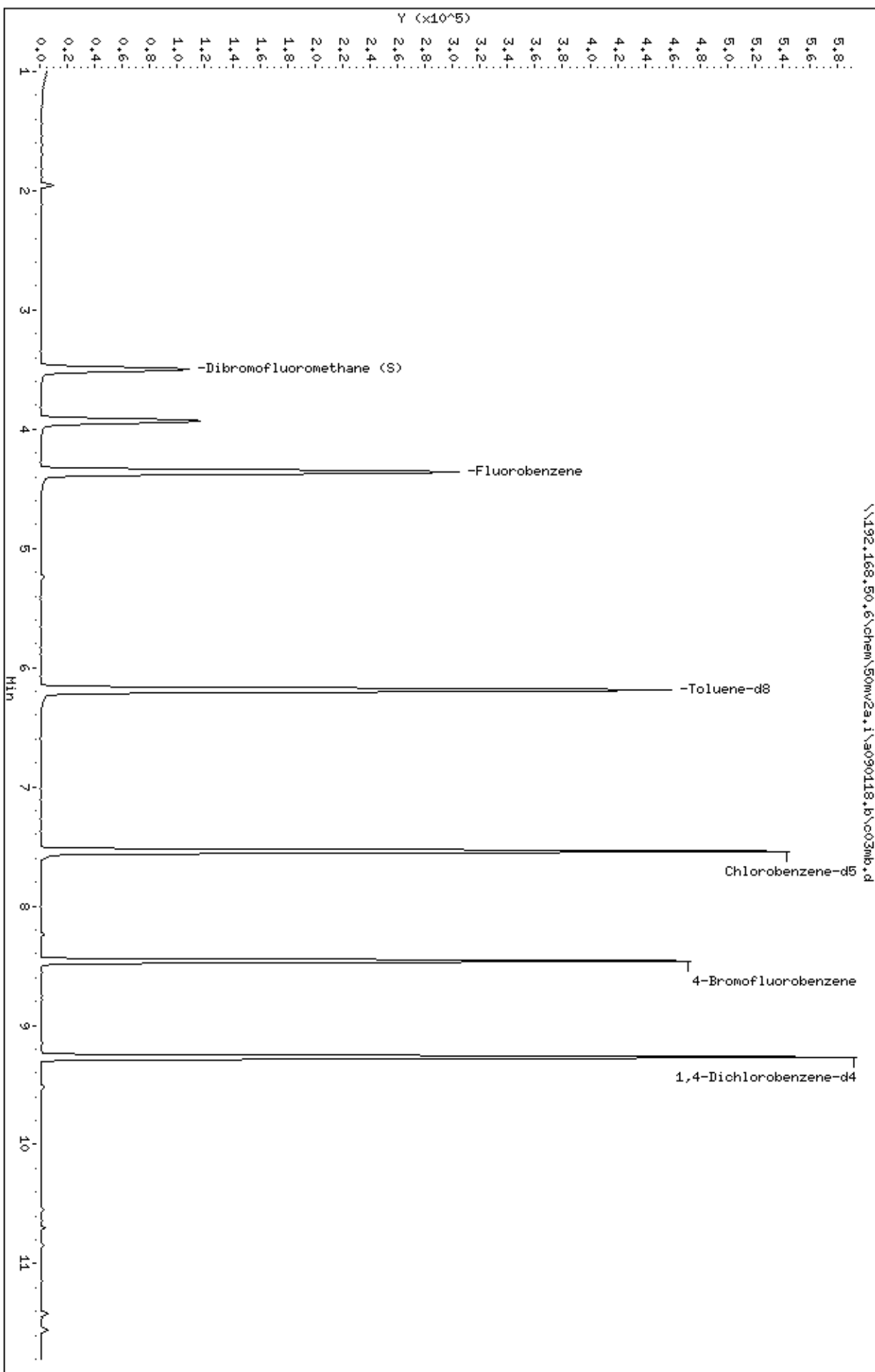
Column phase: DB-624

Instrument: 50mw2a.i

Operator: amv

Column diameter: 0.18

\\192.168.50.6\chem\50mw2a.i\9090118.b\c03mb.d



Date : 02-SEP-2018 04:04

Client ID:

Instrument: 50mv2a.i

Sample Info: mb

Purge Volume: 5.0

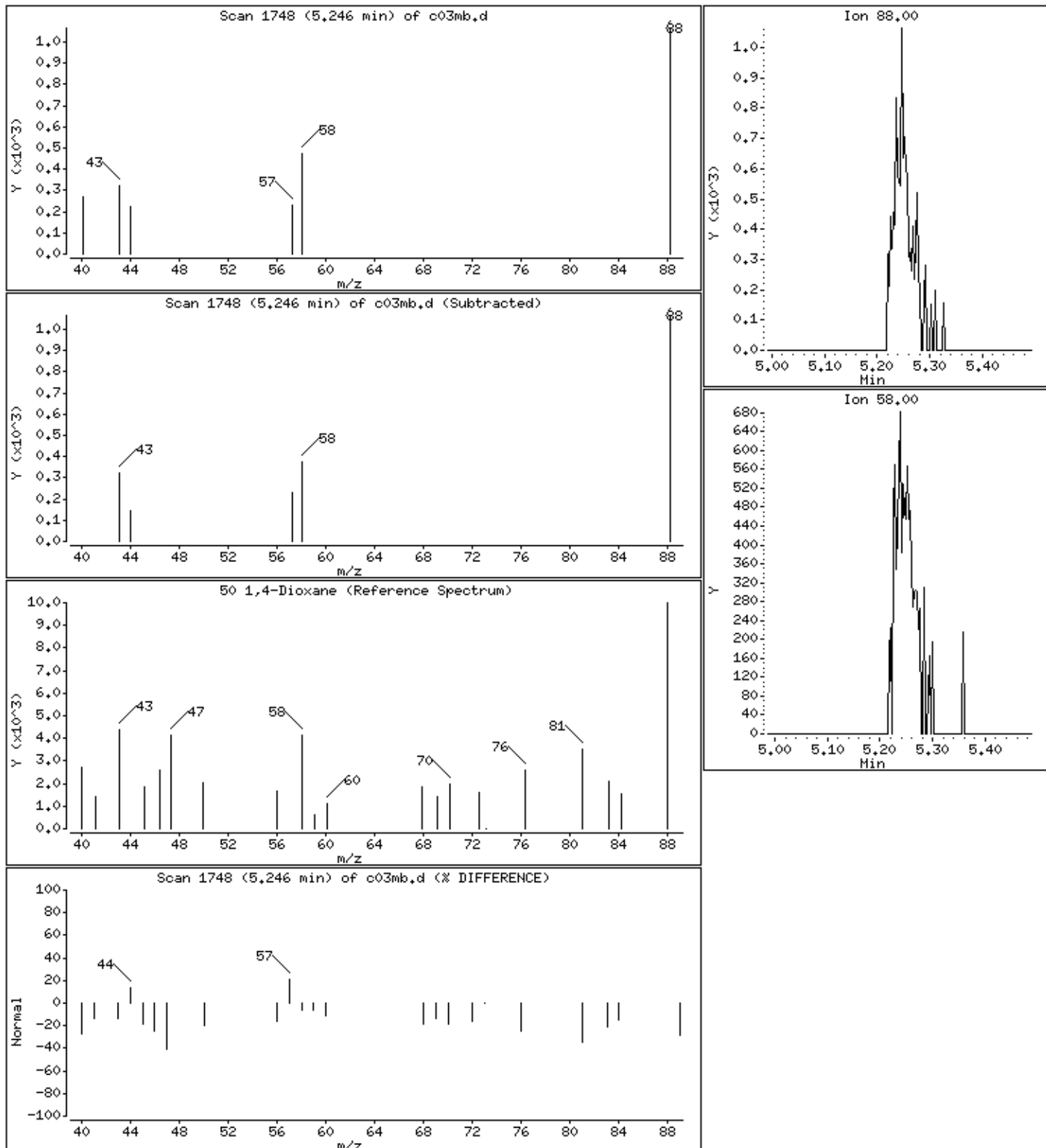
Operator: amv

Column phase: DB-624

Column diameter: 0.18

50 1,4-Dioxane

Concentration: 416 ppb



Data File: \\192.168.50.6\chem\50mv2a.i\a090118.b/c03mb.d
Injection Date: 02-SEP-2018 04:04
Instrument: 50mv2a.i
Lab Sample ID:
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Indiana
 Date Received: _____
 Date Extracted: 09/02/2018 03:40
 Date Analyzed: 09/02/2018 03:40
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
 Matrix: Water SDG No.: 50204438
 Lab Sample ID: 2121945
 Lab File ID: A090118.B\C02LCS.D
 Instrument: 50MV2A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	253	
107-02-8	Acrolein	1040	
71-43-2	Benzene	48.3	
75-27-4	Bromodichloromethane	43.9	
75-25-2	Bromoform	43.6	
74-83-9	Bromomethane	50.5	
78-93-3	2-Butanone (MEK)	273	
104-51-8	n-Butylbenzene	45.2	
135-98-8	sec-Butylbenzene	49.1	
98-06-6	tert-Butylbenzene	43.2	
75-15-0	Carbon disulfide	47.3	
56-23-5	Carbon tetrachloride	49.3	
108-90-7	Chlorobenzene	51.2	
75-00-3	Chloroethane	50.5	
67-66-3	Chloroform	46.4	
74-87-3	Chloromethane	33.5	
106-93-4	1,2-Dibromoethane (EDB)	52.1	
74-95-3	Dibromomethane	51.6	
95-50-1	1,2-Dichlorobenzene	49.6	
541-73-1	1,3-Dichlorobenzene	49.5	
106-46-7	1,4-Dichlorobenzene	49.8	
75-71-8	Dichlorodifluoromethane	59.3	
75-34-3	1,1-Dichloroethane	48.8	
107-06-2	1,2-Dichloroethane	47.9	
75-35-4	1,1-Dichloroethene	47.7	
156-59-2	cis-1,2-Dichloroethene	48.2	
156-60-5	trans-1,2-Dichloroethene	48.2	
78-87-5	1,2-Dichloropropane	47.0	
10061-01-5	cis-1,3-Dichloropropene	46.5	
10061-02-6	trans-1,3-Dichloropropene	45.5	
100-41-4	Ethylbenzene	49.6	
591-78-6	2-Hexanone	216	
98-82-8	Isopropylbenzene (Cumene)	48.0	
99-87-6	p-Isopropyltoluene	51.5	
75-09-2	Methylene Chloride	51.4	
108-10-1	4-Methyl-2-pentanone (MIBK)	232	
1634-04-4	Methyl-tert-butyl ether	51.0	

09/10/2018 6:14

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 09/02/2018 03:40
Date Analyzed: 09/02/2018 03:40
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Water SDG No.: 50204438
Lab Sample ID: 2121945
Lab File ID: A090118.B\C02LCS.D
Instrument: 50MV2A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
91-20-3	Naphthalene	50.7	
103-65-1	n-Propylbenzene	48.9	
100-42-5	Styrene	49.8	
630-20-6	1,1,1,2-Tetrachloroethane	50.0	
79-34-5	1,1,2,2-Tetrachloroethane	43.8	
127-18-4	Tetrachloroethene	51.3	
108-88-3	Toluene	45.7	
120-82-1	1,2,4-Trichlorobenzene	48.1	
71-55-6	1,1,1-Trichloroethane	52.2	
79-00-5	1,1,2-Trichloroethane	54.3	
79-01-6	Trichloroethene	46.2	
75-69-4	Trichlorofluoromethane	47.2	
95-63-6	1,2,4-Trimethylbenzene	48.2	
108-67-8	1,3,5-Trimethylbenzene	46.0	
108-05-4	Vinyl acetate	175	
75-01-4	Vinyl chloride	44.3	
179601-23-1	m&p-Xylene	96.9	
95-47-6	o-Xylene	51.3	

09/10/2018 6:14

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\090118.b\c021cs.d
 Lab Smp Id:
 Inj Date : 02-SEP-2018 03:40
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : lcs,184314:5
 Misc Info :
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\090118.b\021cs.d
 Meth Date : 04-Sep-2018 10:47 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 28 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ppb)	FINAL (ppb)	
1 Dichlorodifluoromethane	85		0.927	0.927	(0.213)	94628	59.2766	59.3	
2 Chloromethane	50		1.036	1.030	(0.238)	45548	33.5069	33.5	
3 Vinyl Chloride	62		1.069	1.069	(0.245)	76093	44.2815	44.3	
4 Bromomethane	94		1.230	1.228	(0.282)	26710	50.5054	50.5	
5 Chloroethane	64		1.275	1.275	(0.293)	44461	50.5241	50.5	
6 Trichlorofluoromethane	101		1.403	1.400	(0.322)	96194	47.1530	47.2	
7 Diethyl ether	74		1.539	1.536	(0.353)	39561	46.7529	46.8	
8 1,2-dichlorotrifluoroethane	67		1.536	1.534	(0.353)	78917	55.0737	55.1	
9 Acrolein	56		1.612	1.611	(0.370)	340793	1044.60	1040	
10 1,1,2trichlorotrifluoroethane	101		1.667	1.664	(0.383)	69014	52.2495	52.2	
11 1,1-Dichloroethene	96		1.673	1.673	(0.384)	63442	47.7105	47.7	
12 Acetone	43		1.692	1.692	(0.388)	95122	252.509	252	
13 Iodomethane	142		1.770	1.767	(0.406)	72088	48.1221	48.1	
14 Carbon Disulfide	76		1.815	1.815	(0.416)	186013	47.3246	47.3	
15 Methyl Acetate	43		1.692	1.692	(0.388)	95122	50.1076	50.1	
16 Acetonitrile	39		1.879	1.879	(0.431)	163389	38.6238	38.6	
17 allyl chloride	41		1.879	1.879	(0.431)	245783	88.2227	88.2	
18 Methylene Chloride	84		1.957	1.956	(0.449)	66040	51.4368	51.4	
19 tert-Butyl Alcohol	59		2.007	2.004	(0.461)	11222	93.5822	93.6	
20 Acrylonitrile	53		2.112	2.112	(0.485)	115952	194.960	195	
21 Methyl-tert-butyl ether	73		2.132	2.129	(0.489)	208309	50.9508	51.0	
22 1,2-Dichloroethene (trans)	96		2.137	2.137	(0.491)	70262	48.2102	48.2	
23 n-Hexane	57		2.332	2.332	(0.535)	131317	46.3208	46.3	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ppb)	FINAL (ppb)	
24 Vinyl Acetate	43	2.482	2.482	(0.570)	790489	174.635	175	
25 1,1-Dichloroethane	63	2.452	2.452	(0.563)	135035	48.8271	48.8	
26 Chloroprene	53	2.527	2.527	(0.580)	142353	45.3164	45.3	
27 Ethyl acetate	88	2.530	2.527	(0.581)	64373	404.693	405	
28 2-Butanone	72	2.980	2.983	(0.684)	36441	272.597	272	
29 1,2-Dichloroethene (cis)	96	2.972	2.966	(0.682)	77597	48.1739	48.2	
30 2,2-Dichloropropane	77	2.969	2.966	(0.681)	94960	39.7153	39.7	
31 Propionitrile	54	3.044	3.044	(0.699)	9080	46.5031	46.5	
32 Methacrylonitrile	41	3.211	3.206	(0.737)	205651	192.832	193(Q)	
33 Bromochloromethane	49	3.217	3.217	(0.738)	56864	44.3978	44.4	
34 Tetrahydrofuran	42	3.273	3.275	(0.751)	24382	47.4560	47.4	
35 Chloroform	83	3.309	3.306	(0.759)	127774	46.4282	46.4	
\$ 36 Dibromofluoromethane (S)	113	3.501	3.495	(0.803)	73578	56.0753	56.1	
37 1,1,1-Trichloroethane	97	3.523	3.523	(0.808)	123913	52.1662	52.2	
38 cyclohexane	56	3.584	3.584	(0.823)	125563	38.5605	38.6	
150 n-butyl chloride	56	3.584	3.584	(0.823)	123237	31.8334	31.8	
39 Carbon Tetrachloride	117	3.729	3.726	(0.856)	105009	49.2713	49.3(Q)	
40 1,1-Dichloropropene	75	3.732	3.732	(0.856)	99337	49.5298	49.5	
41 Benzene	78	3.999	3.999	(0.918)	276200	48.3423	48.3	
42 1,2-Dichloroethane	62	4.032	4.029	(0.925)	100341	47.8684	47.9	
43 2,2,4-Trimethylpentane	57	4.118	4.121	(0.945)	341648	51.5930	51.6	
44 Isobutyl alcohol	43	3.924	3.924	(0.900)	12514	281.438	281	
* 45 Fluorobenzene	96	4.358	4.360	(1.000)	293800	50.0000		
46 isopropyl acetate	61	4.141	4.141	(0.950)	141182	247.247	247	
47 Trichloroethene	95	4.806	4.805	(1.103)	71963	46.2253	46.2	
48 Methylcyclohexane	55	5.020	5.020	(1.152)	111318	40.6207	40.6	
49 1,2-Dichloropropane	63	5.067	5.064	(1.163)	71225	46.9764	47.0	
50 1,4-Dioxane	88	5.237	5.242	(1.202)	4789	1033.17	1030	
51 Dibromomethane	93	5.201	5.198	(1.193)	41027	51.5889	51.6	
52 Methyl methacrylate	69	5.248	5.245	(1.204)	51623	45.0348	45.0	
53 Bromodichloromethane	83	5.398	5.398	(1.239)	91365	43.9458	43.9	
54 2-Chloroethyl vinyl ether	63	5.768	5.768	(0.765)	43933	40.6470	40.6	
55 cis-1,3-Dichloropropene	75	5.905	5.904	(0.783)	109472	46.4649	46.5	
56 4-Methyl-2-Pentanone	43	6.097	6.096	(0.809)	422461	231.627	232	
\$ 57 Toluene-d8	98	6.186	6.185	(0.820)	282414	52.1422	52.1	
58 Toluene	91	6.258	6.258	(0.830)	304490	45.7163	45.7	
59 trans-1,3-Dichloropropene	75	6.514	6.514	(0.864)	100347	45.4599	45.4	
60 Ethyl Methacrylate	69	6.634	6.631	(0.880)	415220	202.588	202	
61 1,1,2-Trichloroethane	83	6.686	6.686	(0.887)	52893	54.3052	54.3	
62 Tetrachloroethene	166	6.803	6.806	(0.902)	91711	51.2863	51.3	
63 1,3-Dichloropropane	76	6.845	6.845	(0.908)	116185	53.5012	53.5	
64 2-Hexanone	43	6.945	6.945	(0.921)	278092	216.159	216	
65 Dibromochloromethane	129	7.045	7.045	(0.934)	74737	51.2915	51.3	
66 1,2-Dibromoethane	107	7.134	7.134	(0.946)	63335	52.1313	52.1	
* 67 Chlorobenzene-d5	117	7.541	7.540	(1.000)	221527	50.0000		
68 Chlorobenzene	112	7.563	7.563	(1.003)	197128	51.2277	51.2	
69 1,1,1,2-Tetrachloroethane	131	7.638	7.641	(1.013)	74443	49.9620	50.0	
70 Ethylbenzene	106	7.666	7.663	(1.017)	111059	49.5854	49.6	
71 m&p-Xylene	106	7.760	7.760	(1.029)	269881	96.8817	96.9	
72 o-Xylene	106	8.072	8.069	(1.070)	130539	51.2781	51.3	
73 Styrene	104	8.083	8.083	(1.072)	215460	49.7856	49.8	
74 Bromoform	173	8.217	8.217	(0.887)	47752	43.6064	43.6	
75 Isopropylbenzene	105	8.350	8.353	(1.107)	349867	47.9928	48.0	
\$ 76 4-Bromofluorobenzene	95	8.462	8.461	(1.122)	109343	52.7368	52.7	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ppb)	FINAL (ppb)	
77 n-amyl acetate	70	8.242	8.239	(1.093)	215822	206.954	207	
78 Bromobenzene	77	8.564	8.564	(1.136)	124719	48.9639	49.0	
79 1,1,2,2-Tetrachloroethane	83	8.578	8.578	(0.926)	76573	43.7949	43.8	
80 trans-1,4-Dichloro-2-butene	53	8.617	8.614	(1.143)	94002	157.637	158 (Q)	
81 1,2,3-Trichloropropane	110	8.603	8.603	(0.928)	26571	48.5178	48.5 (Q)	
82 n-Propylbenzene	91	8.651	8.651	(0.933)	425681	48.8861	48.9	
83 2-Chlorotoluene	91	8.709	8.709	(0.940)	241755	50.7393	50.7	
84 1,3,5-Trimethylbenzene	105	8.776	8.776	(0.947)	276389	45.9593	46.0	
85 4-Chlorotoluene	126	8.784	8.784	(0.948)	81181	48.9243	48.9	
86 tert-Butylbenzene	119	9.001	9.001	(0.971)	301726	43.2061	43.2	
87 1,2,4-Trimethylbenzene	105	9.032	9.032	(0.974)	289676	48.1613	48.2	
88 sec-Butylbenzene	105	9.149	9.149	(0.987)	381212	49.0838	49.1	
89 1,3-Dichlorobenzene	146	9.224	9.224	(0.995)	162262	49.5435	49.5	
90 p-Isopropyltoluene	119	9.246	9.246	(0.998)	334586	51.4539	51.4	
* 91 1,4-Dichlorobenzene-d4	152	9.268	9.268	(1.000)	120985	50.0000		
92 1,4-Dichlorobenzene	146	9.285	9.282	(1.002)	164105	49.8369	49.8	
93 n-Butylbenzene	91	9.516	9.516	(1.027)	276698	45.2126	45.2	
94 1,2-Dichlorobenzene	146	9.533	9.530	(1.029)	145092	49.5771	49.6	
95 1,2-Dibromo-3-chloropropane	155	10.033	10.033	(1.083)	15148	51.2461	51.2	
96 1,2,4-Trichlorobenzene	180	10.545	10.545	(1.138)	101140	48.1403	48.1	
97 Hexachlorobutadiene	225	10.640	10.643	(1.148)	52765	48.4775	48.5	
98 Naphthalene	128	10.698	10.701	(1.154)	247231	50.6774	50.7	
99 1,2,3-Trichlorobenzene	180	10.846	10.846	(1.170)	95086	50.3691	50.4	
100 2,methyl-naphthalene	142	11.419	11.419	(1.232)	134734	53.7854	53.8	
101 1-Methylnaphthalene	142	11.558	11.558	(1.247)	113381	56.2068	56.2	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a090118.b\c021cs.d
 Lab Smp Id:
 Inj Date : 02-SEP-2018 03:40
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : lcs,184314:5
 Misc Info :
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a090118.b\ -a8260_a_c.m
 Meth Date : 04-Sep-2018 10:47 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 28 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

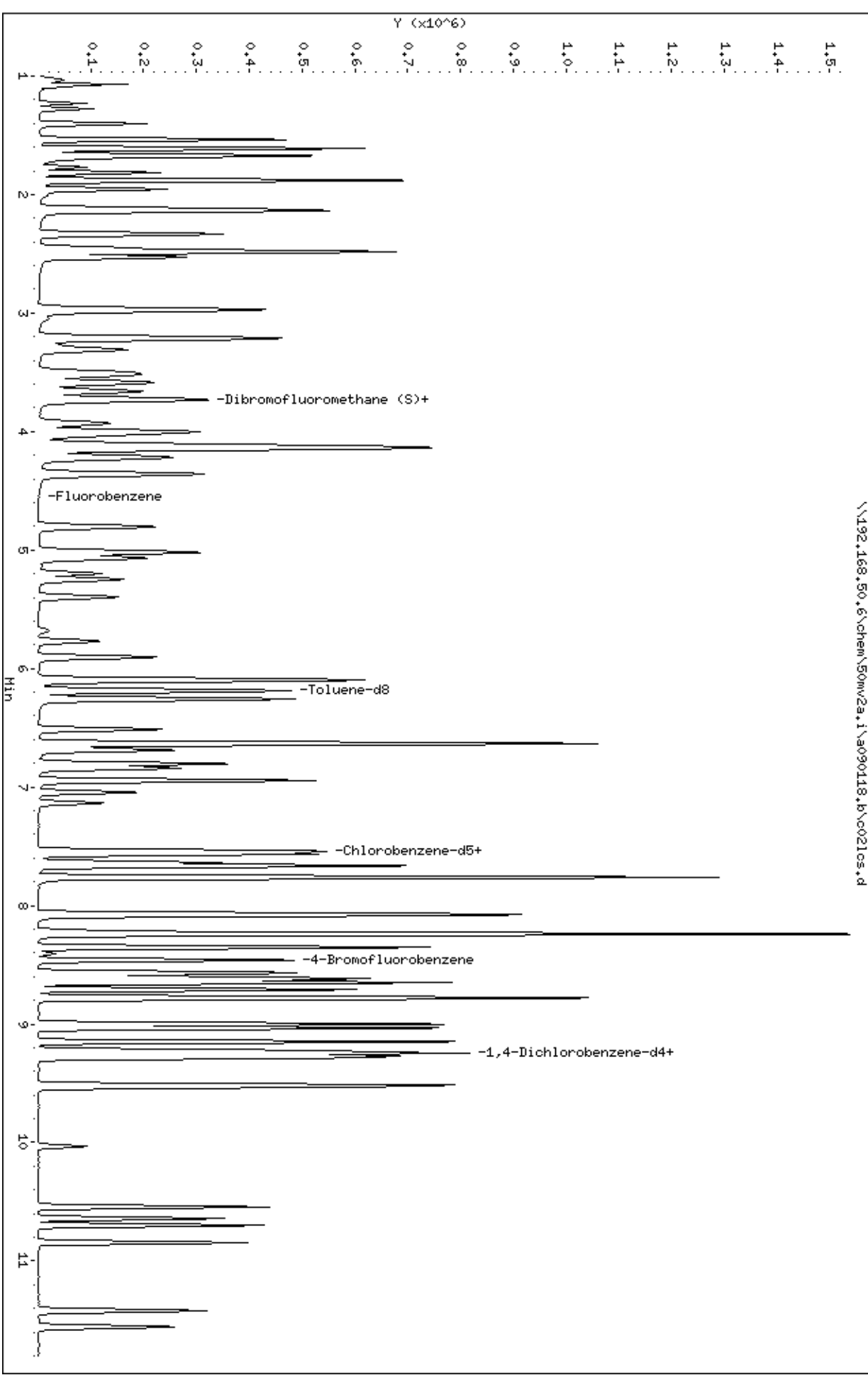
COMPOUND	RT	AREA	AMOUNT
1 Dichlorodifluoromethane	0.928	197161	59.277
* 45 Fluorobenzene	4.358	681	50.000
54 2-Chloroethyl vinyl eth	5.769	191116	40.647

RT	CONCENTRATIONS				QUANT			REVIEW CODE
	AREA	ON-COL(ppb)	FINAL(ppb)	QUAL	LIBRARY	LIB ENTRY	CPND #	
Unknown								
0.844	144814	43.5383690	43.5	0		0	1	
Unknown								
4.572	2667	195.649045	196	0		0	45	
METHANE, CHLOROiodo-								
5.680	37735	8.02550879	8.02	94	WILEY.1	24014	54	

Data File: \\192.168.50.6\chem\50mw2a.1\A090118.b\c021cs.d
Date : 02-SEP-2018 03:40
Client ID:
Sample Info: LCS,184314+5
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw2a.1
Operator: amw
Column diameter: 0.18

\\192.168.50.6\chem\50mw2a.1\A090118.b\c021cs.d



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

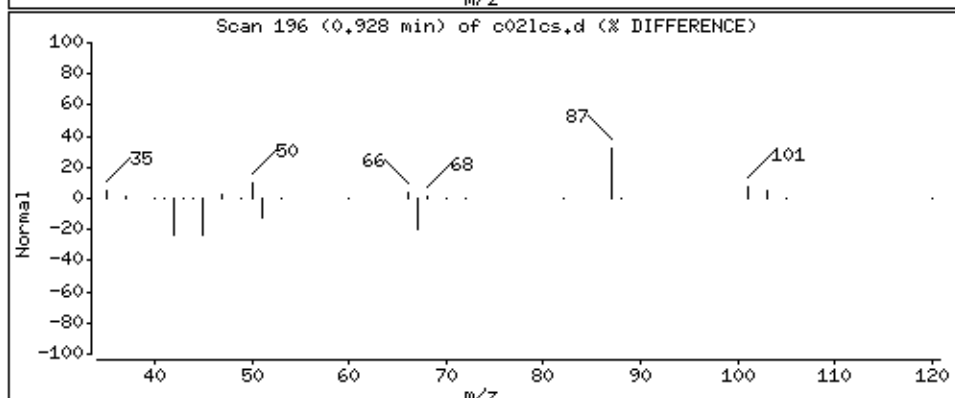
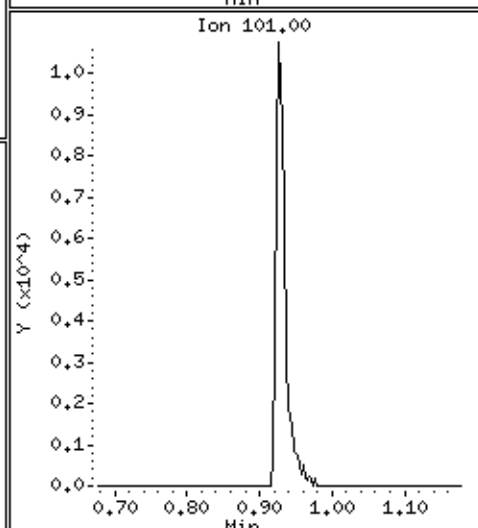
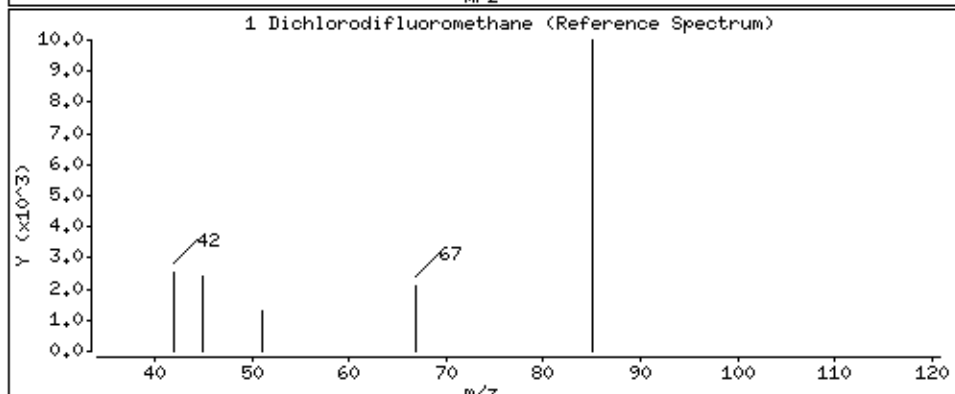
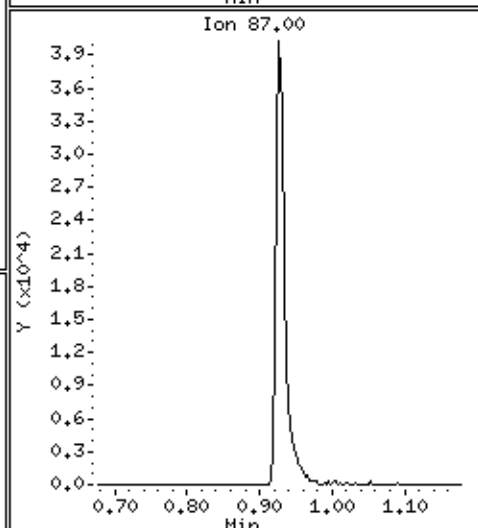
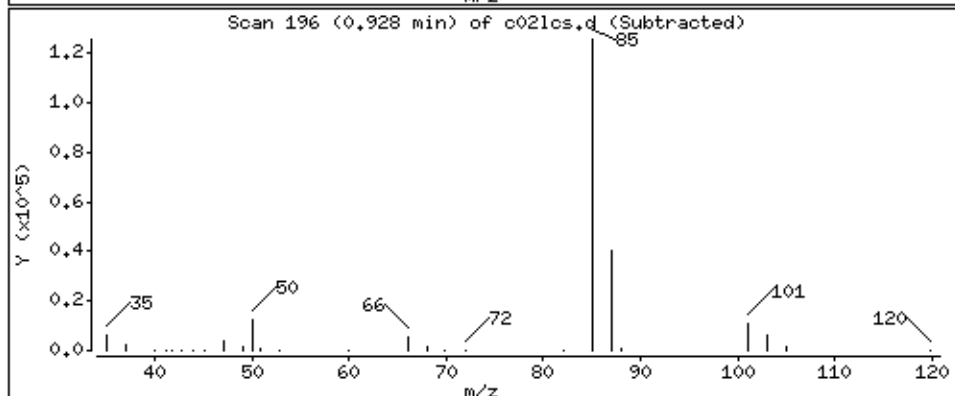
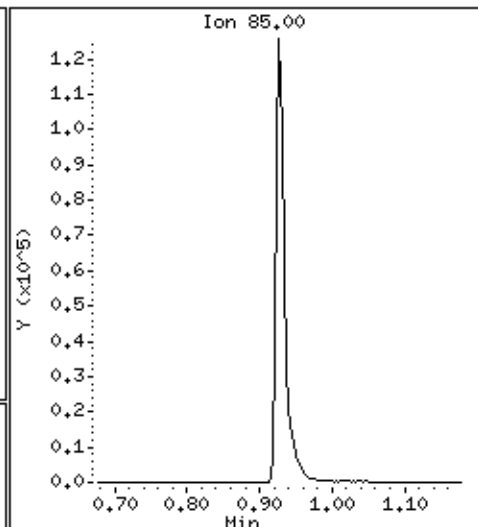
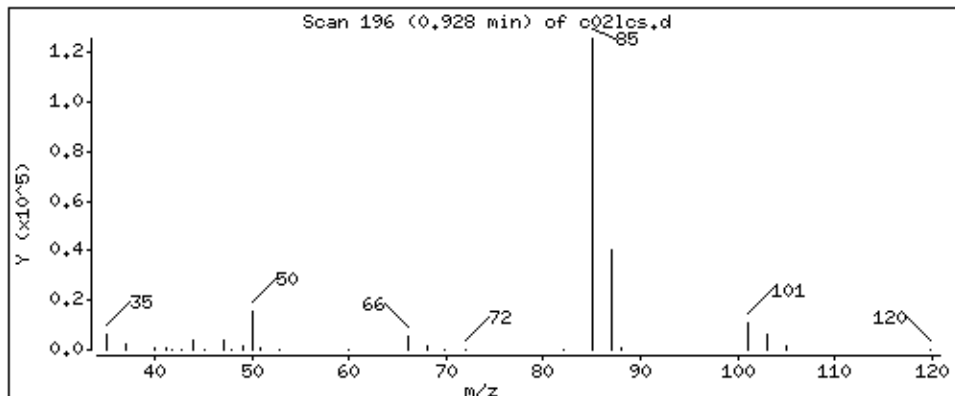
Operator: amv

Column phase: DB-624

Column diameter: 0,18

1 Dichlorodifluoromethane

Concentration: 59,3 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

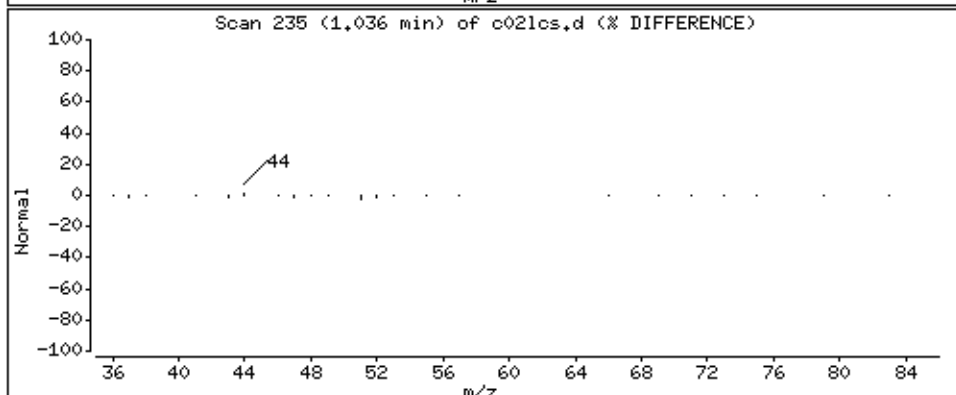
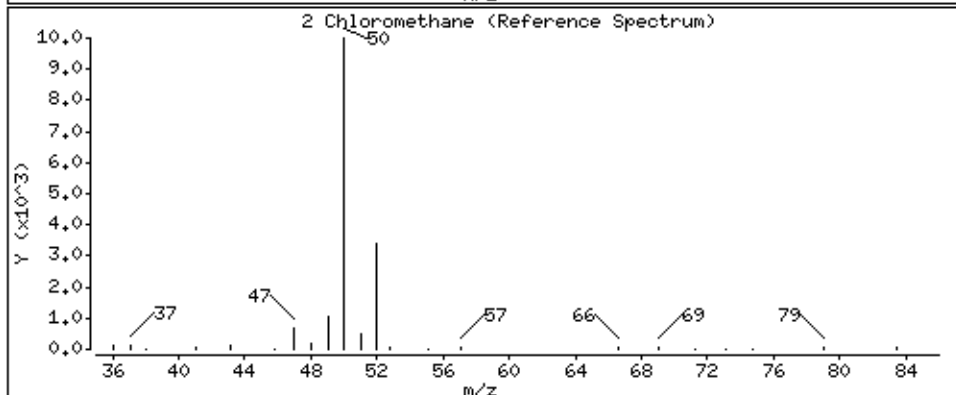
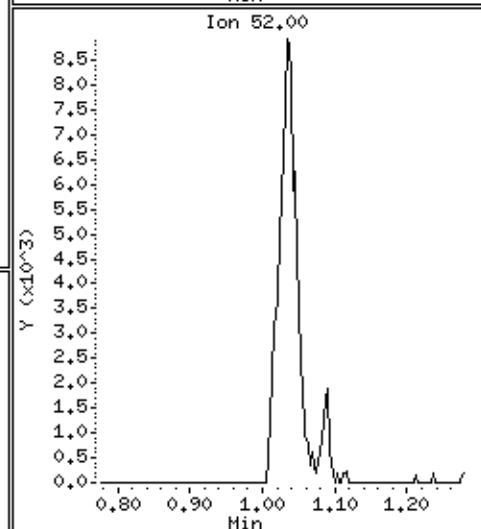
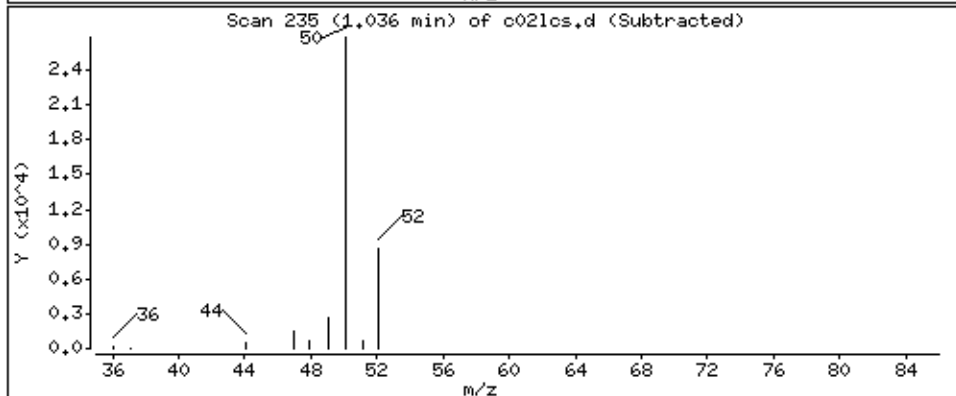
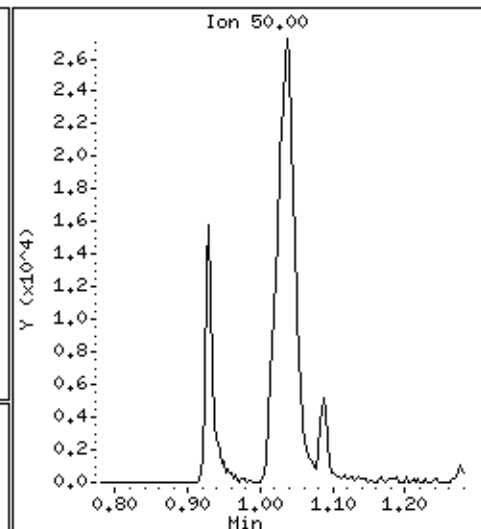
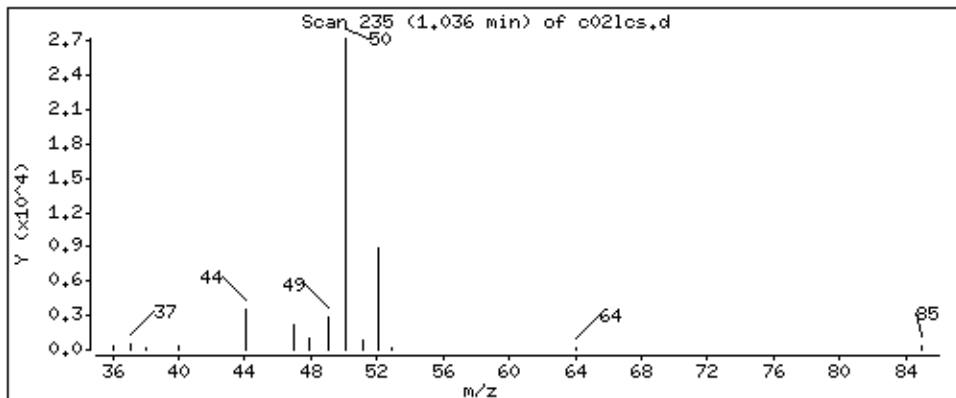
Operator: amv

Column phase: DB-624

Column diameter: 0,18

2 Chloromethane

Concentration: 33,5 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

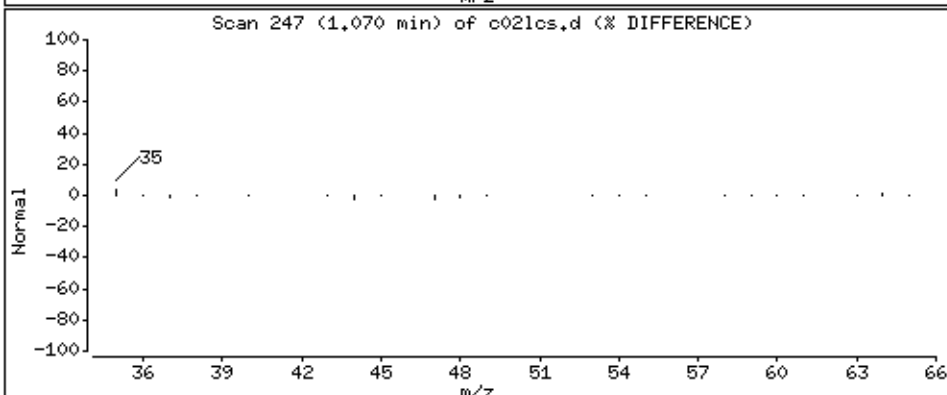
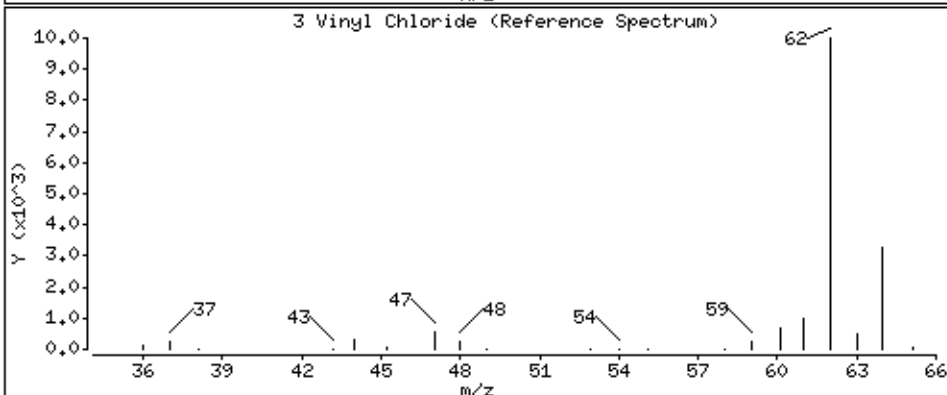
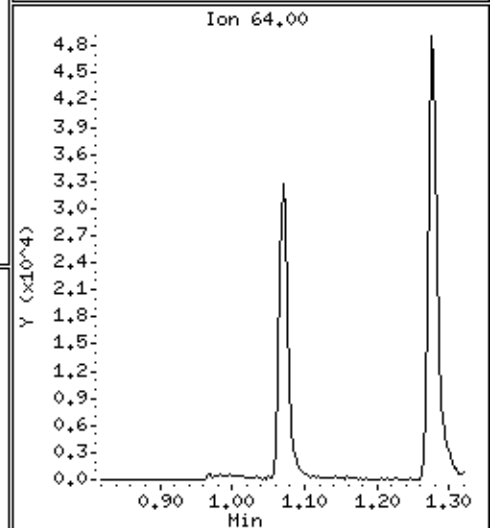
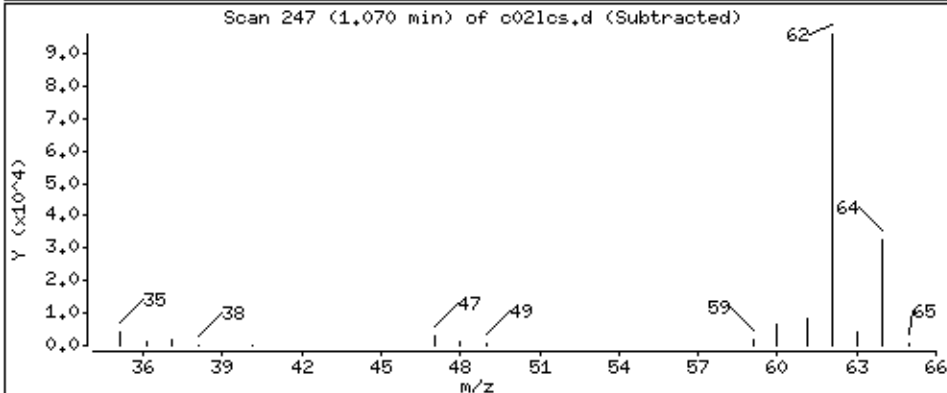
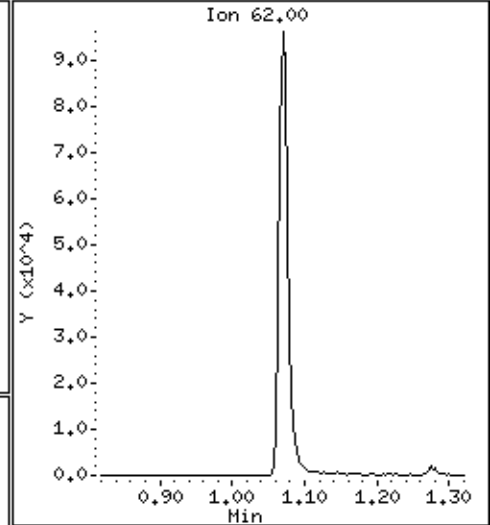
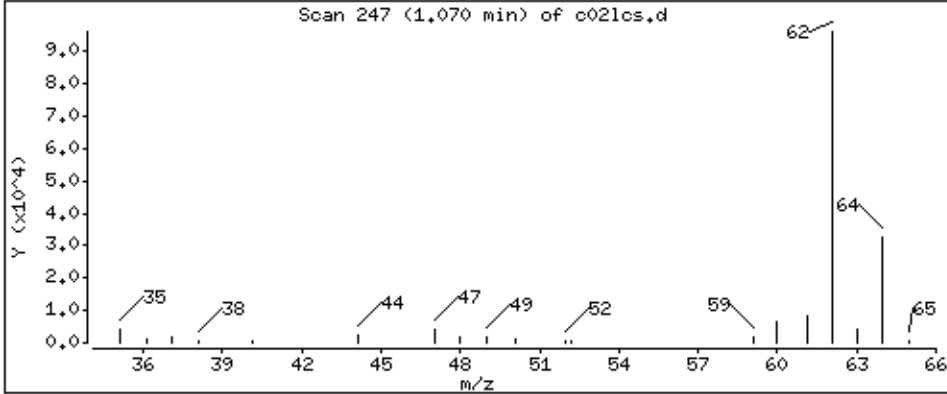
Operator: amv

Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 44,3 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

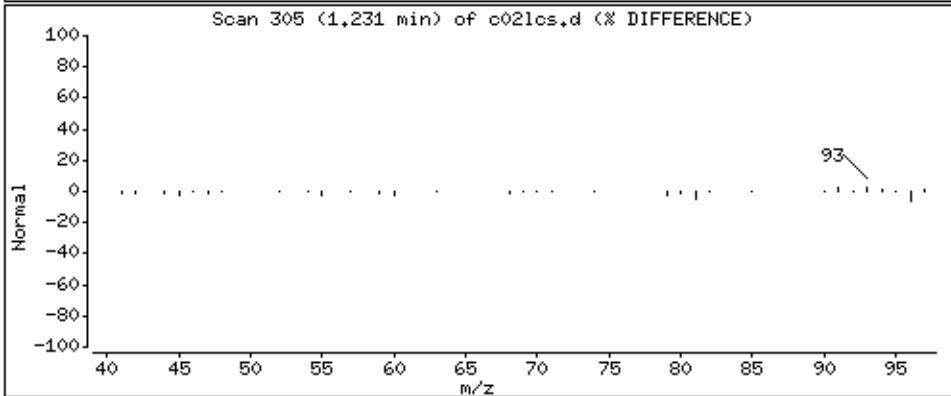
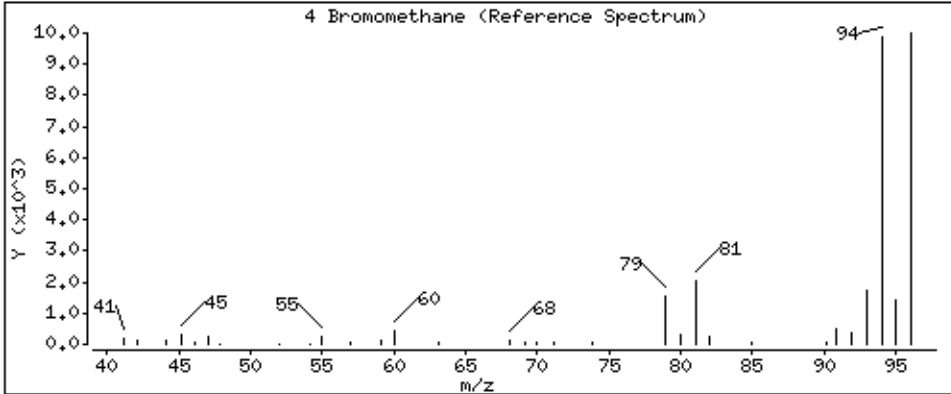
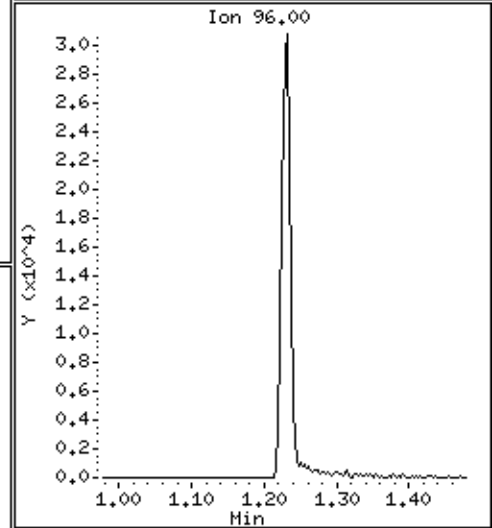
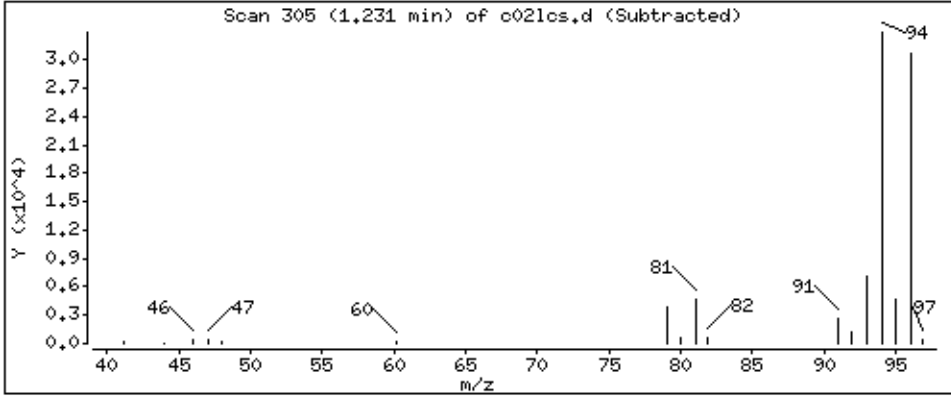
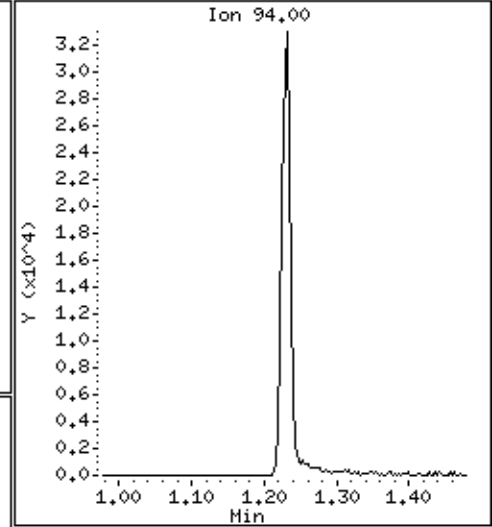
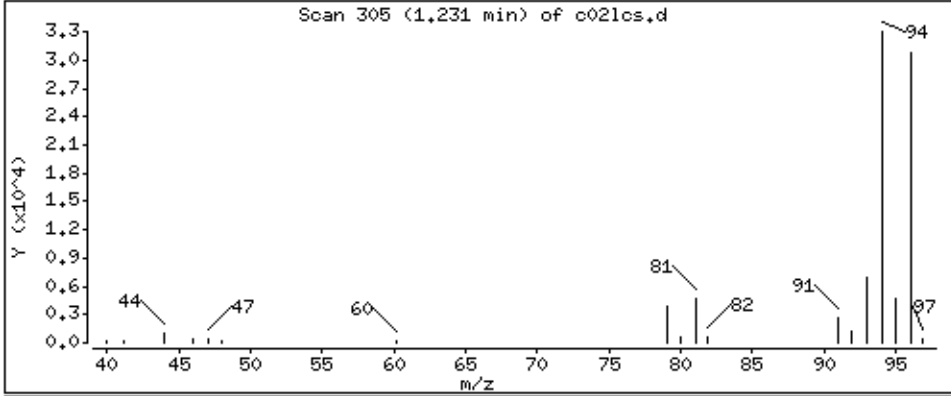
Operator: amv

Column phase: DB-624

Column diameter: 0,18

4 Bromomethane

Concentration: 50,5 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

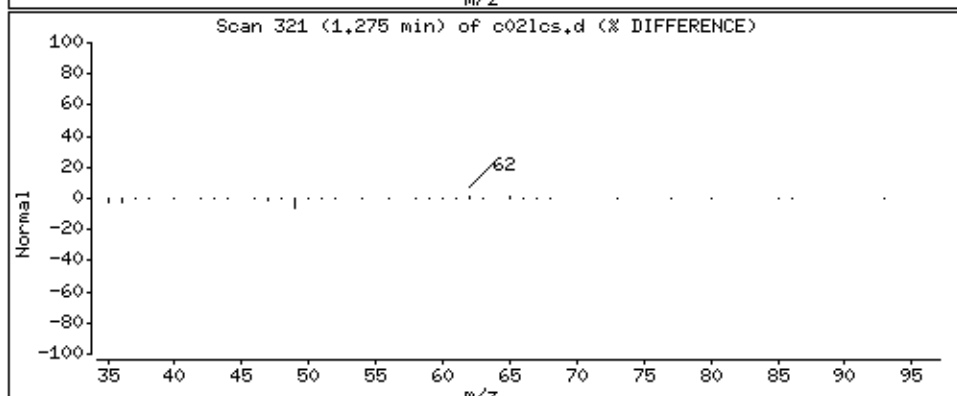
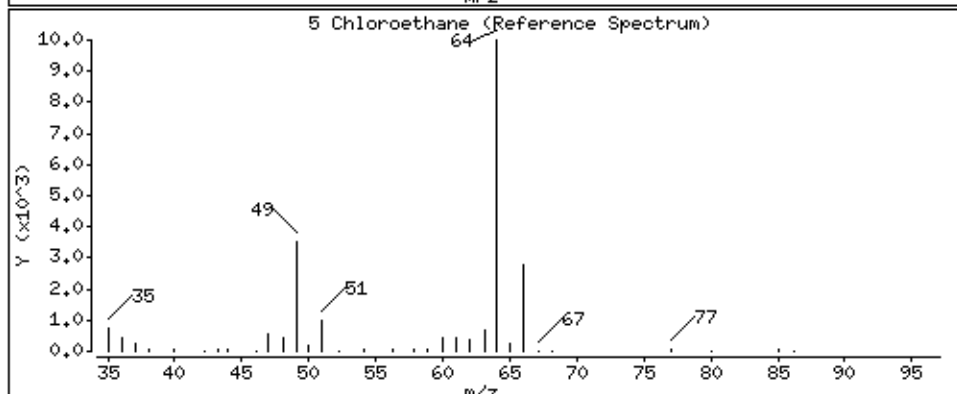
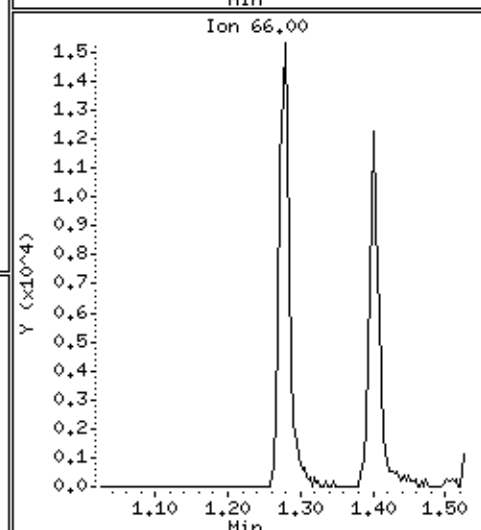
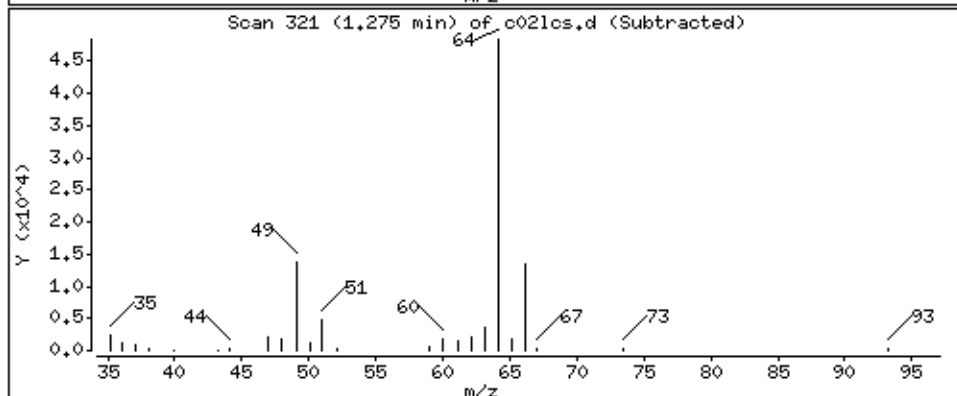
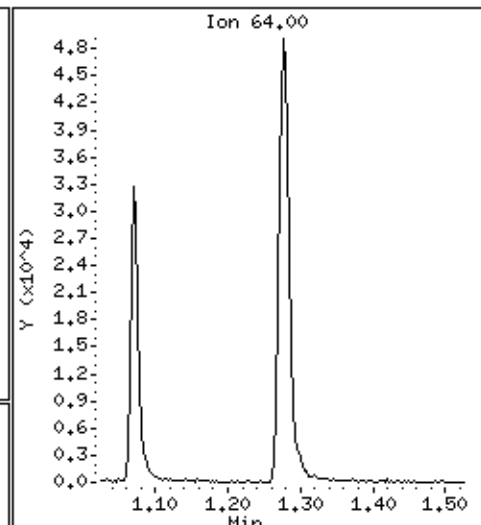
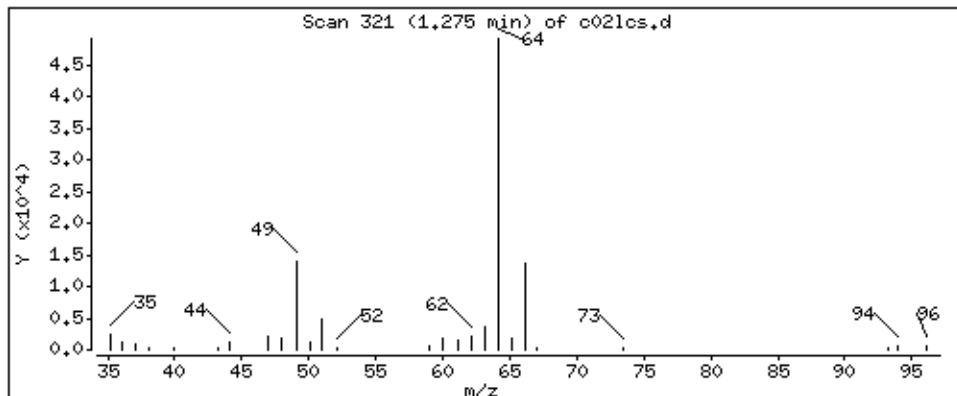
Operator: amv

Column phase: DB-624

Column diameter: 0,18

5 Chloroethane

Concentration: 50,5 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

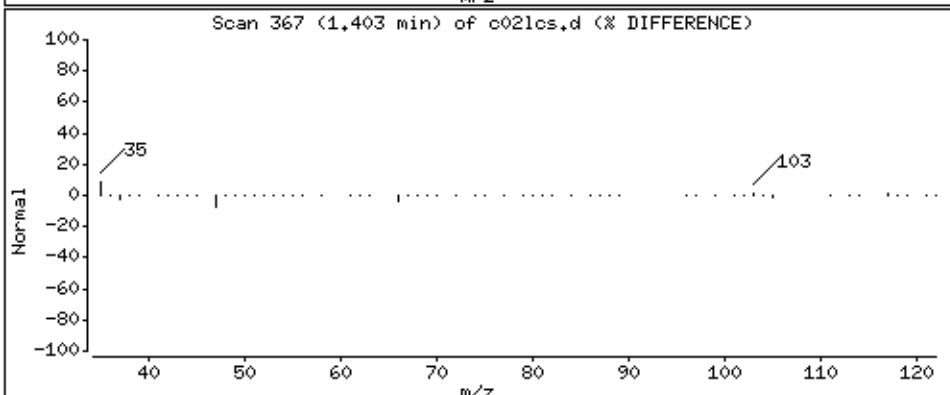
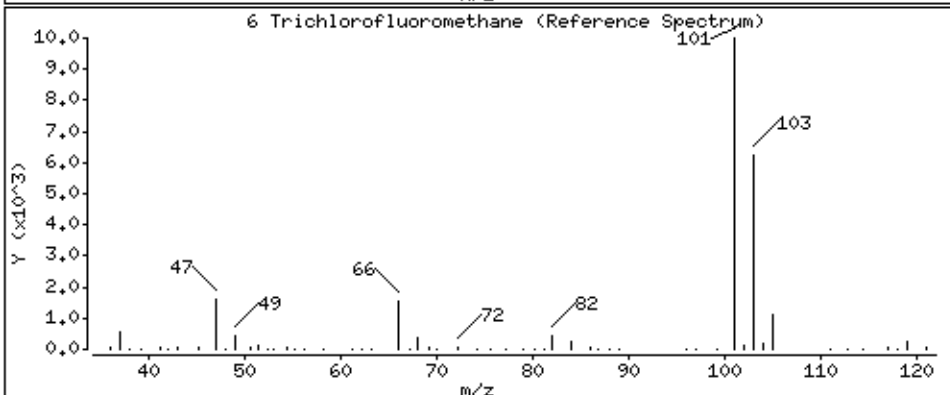
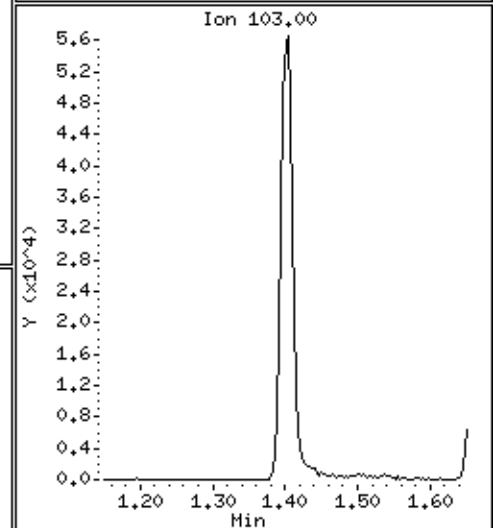
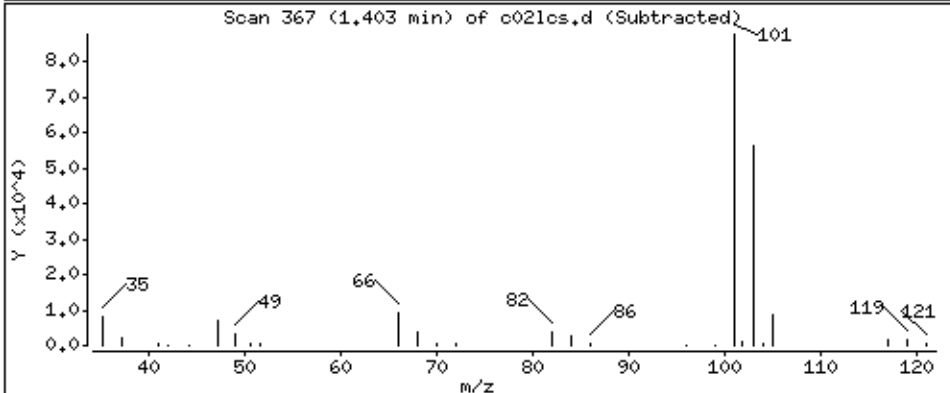
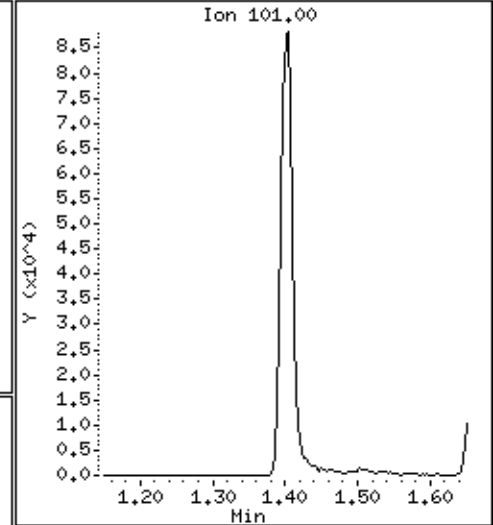
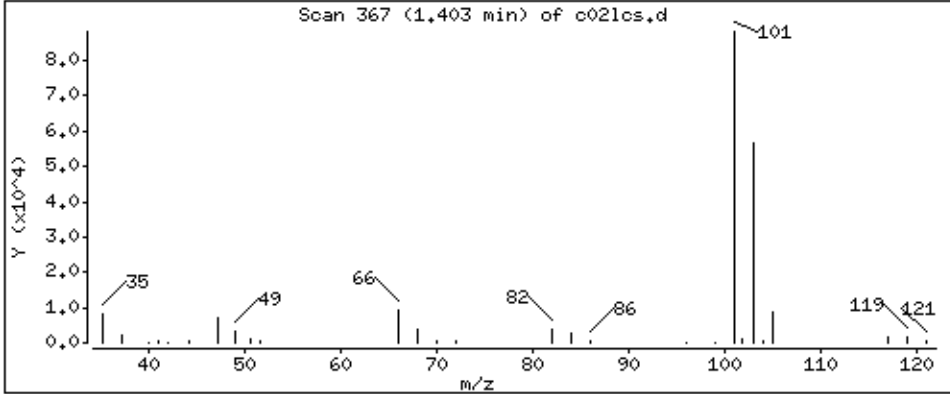
Operator: amv

Column phase: DB-624

Column diameter: 0.18

6 Trichlorofluoromethane

Concentration: 47.2 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

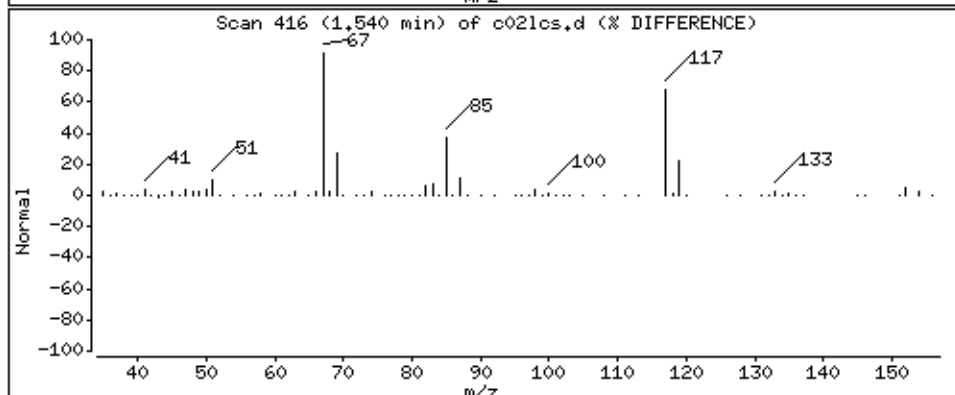
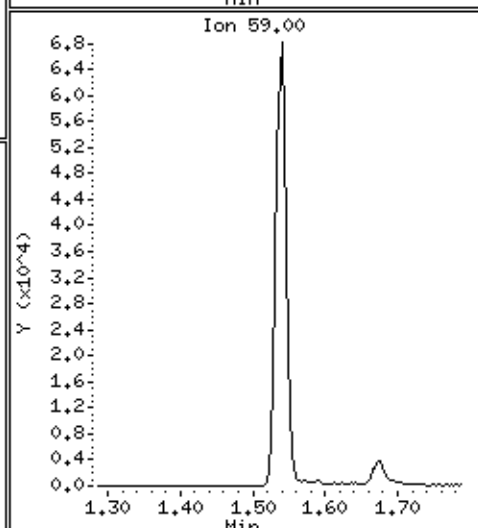
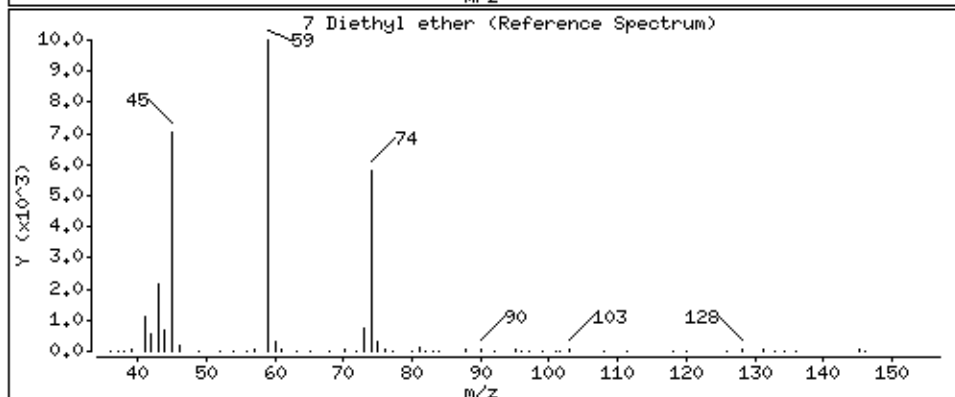
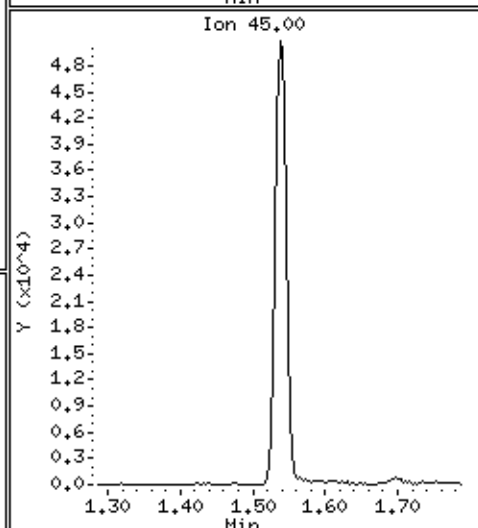
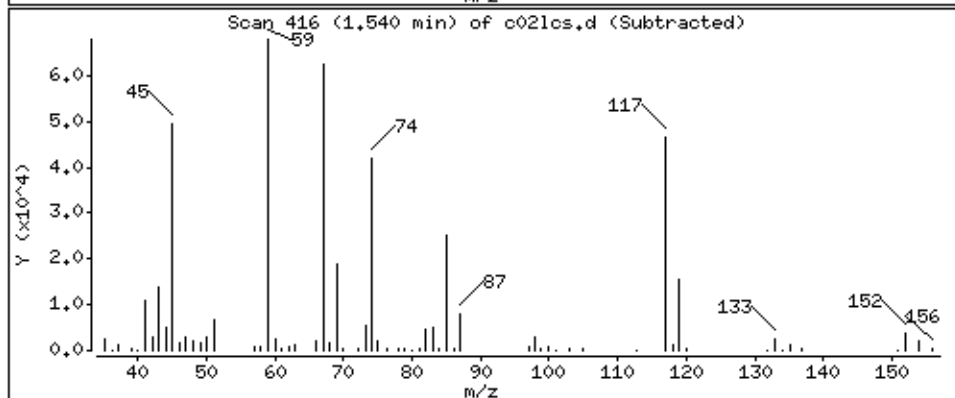
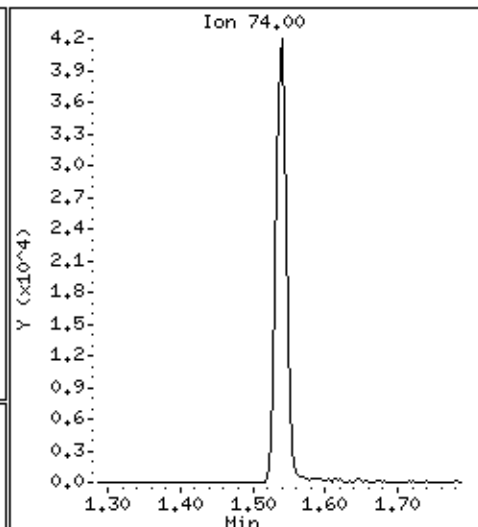
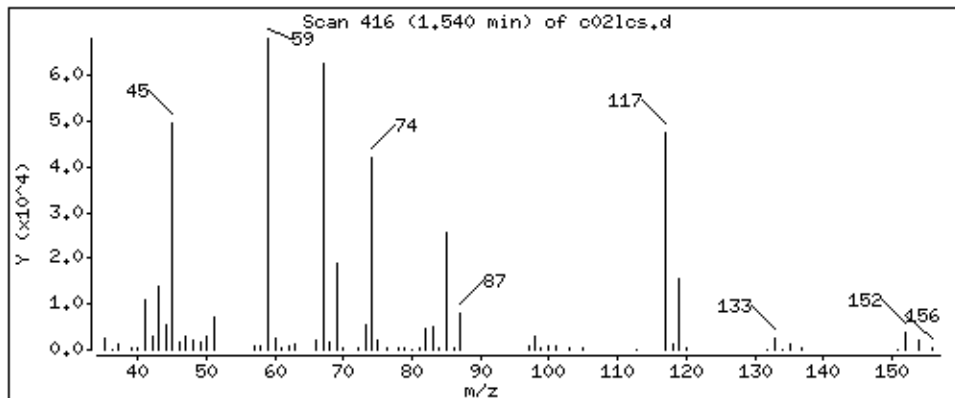
Operator: amv

Column phase: DB-624

Column diameter: 0,18

7 Diethyl ether

Concentration: 46,8 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

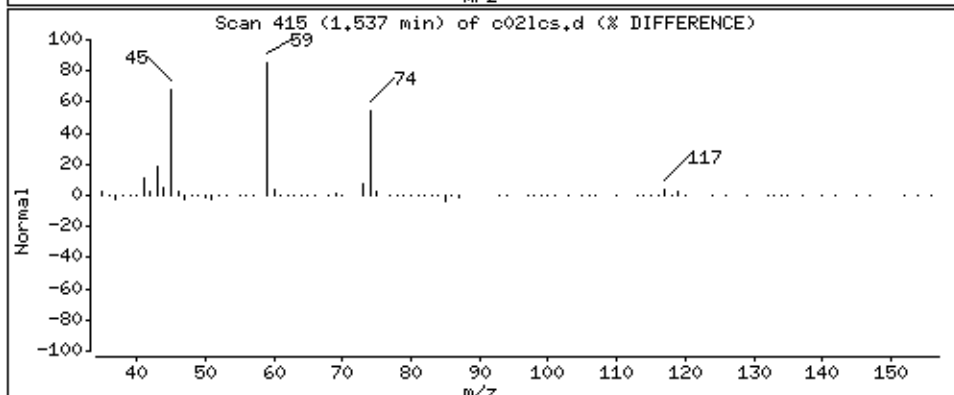
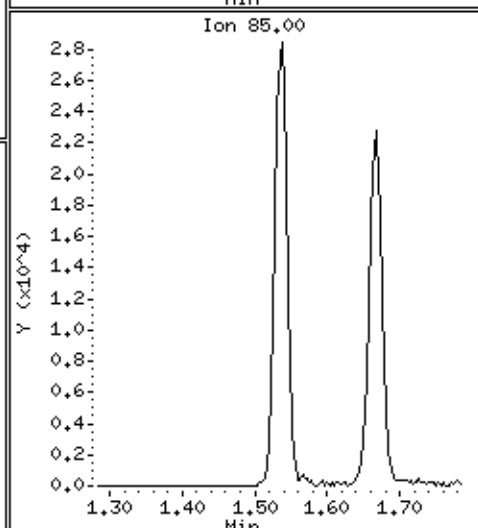
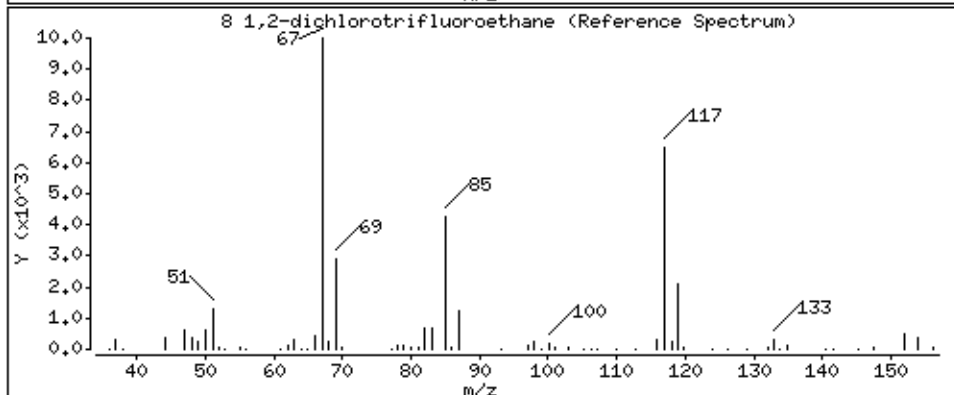
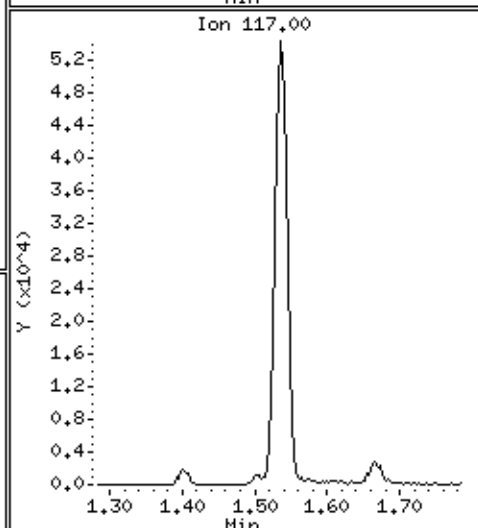
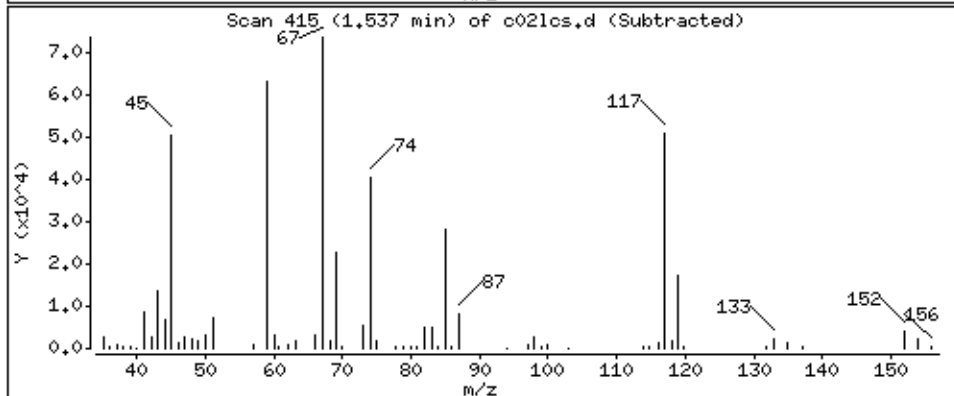
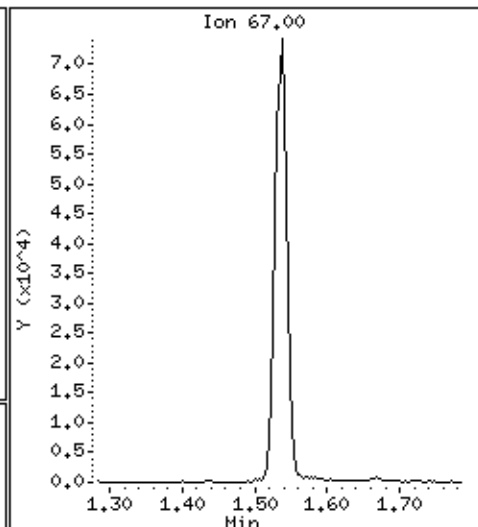
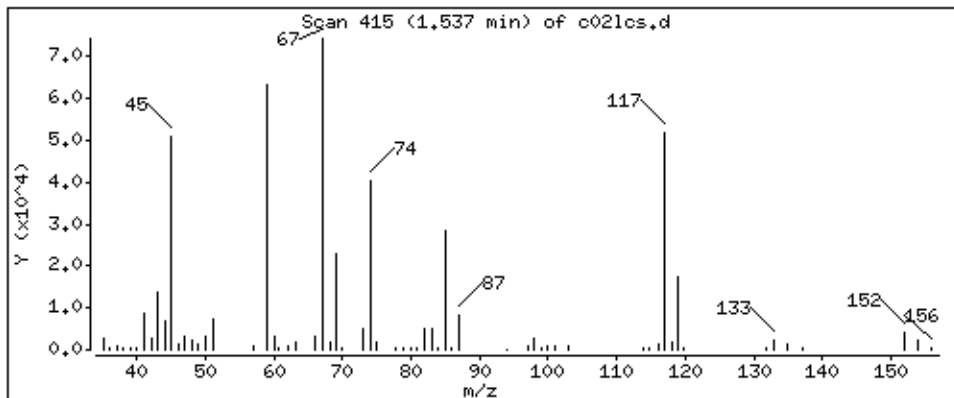
Operator: amv

Column phase: DB-624

Column diameter: 0,18

8 1,2-dichlorotrifluoroethane

Concentration: 55,1 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

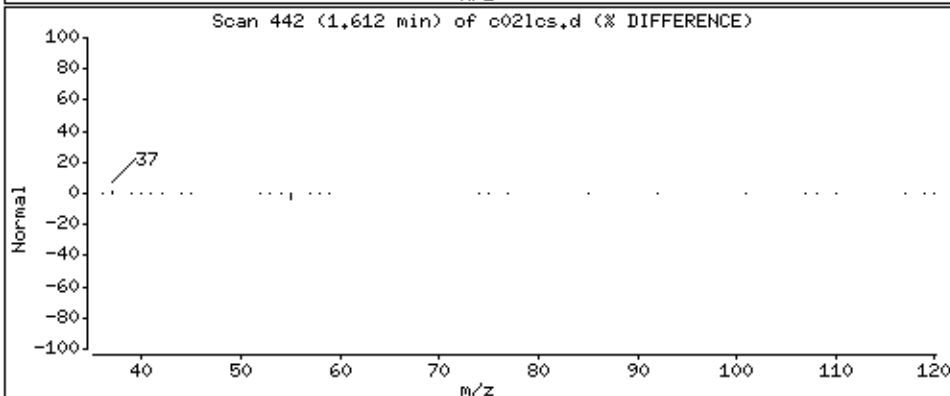
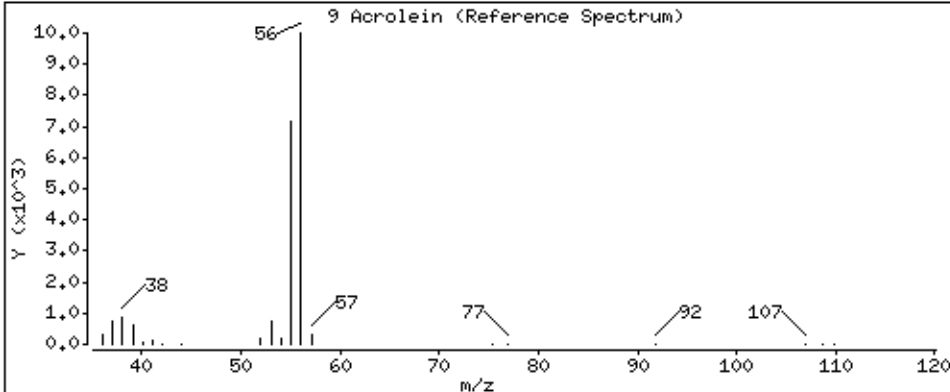
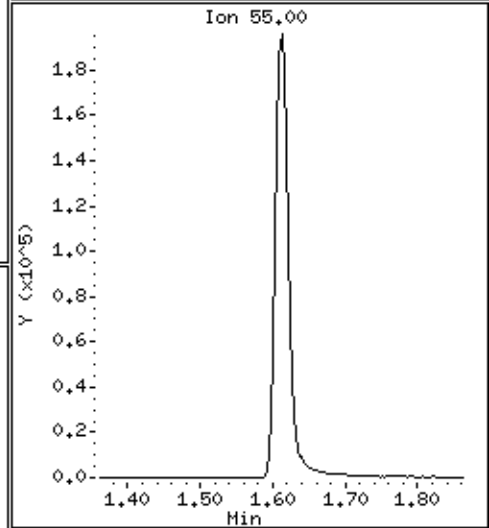
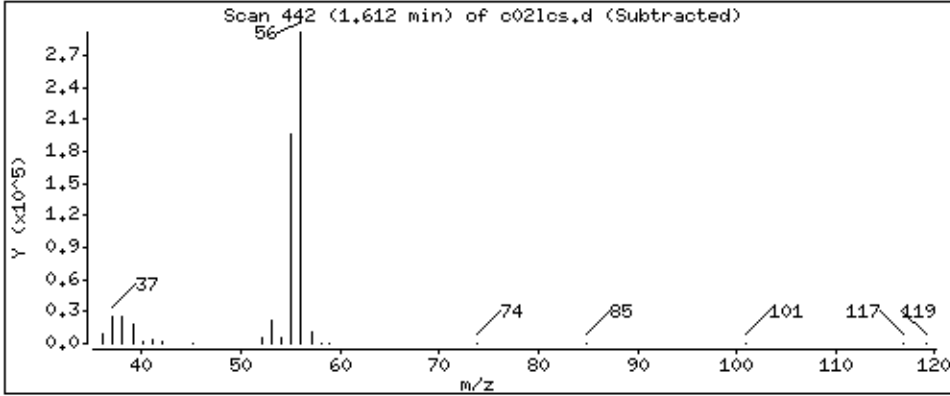
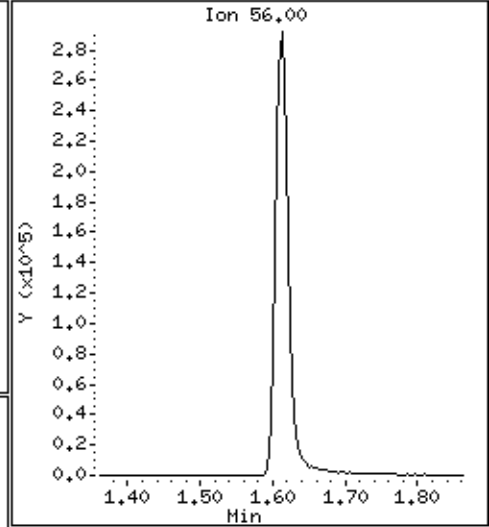
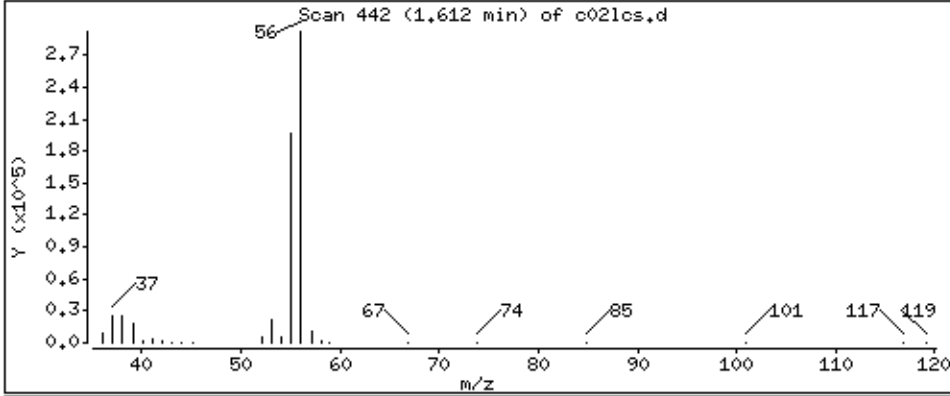
Operator: amv

Column phase: DB-624

Column diameter: 0.18

9 Acrolein

Concentration: 1040 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

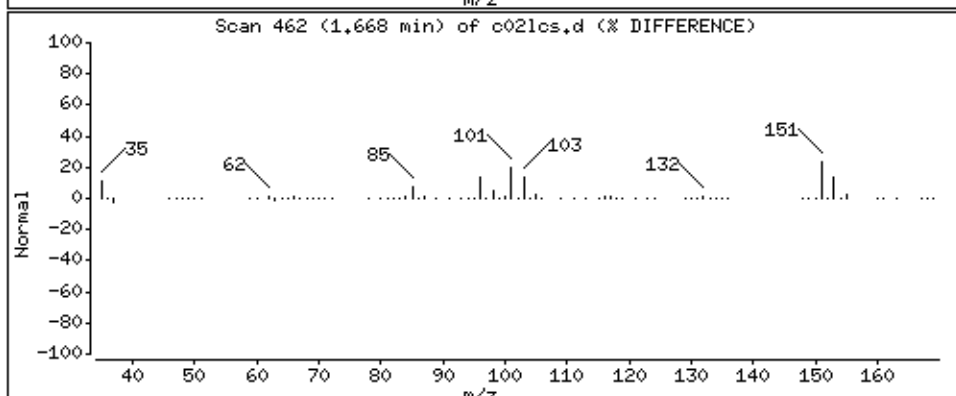
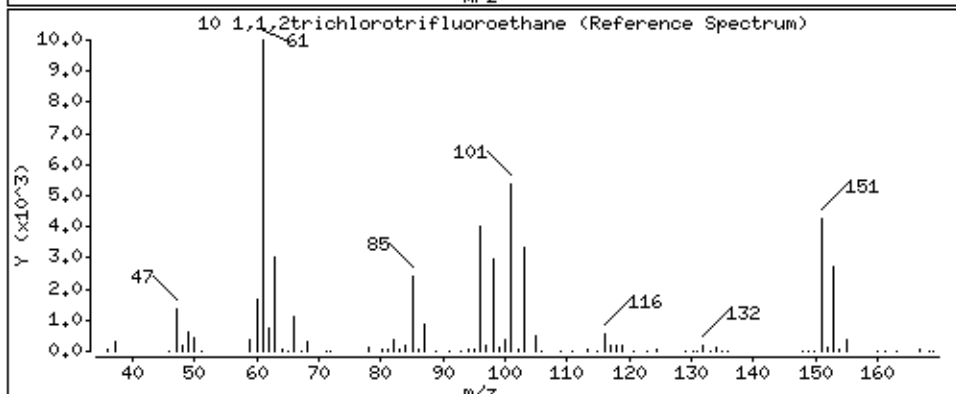
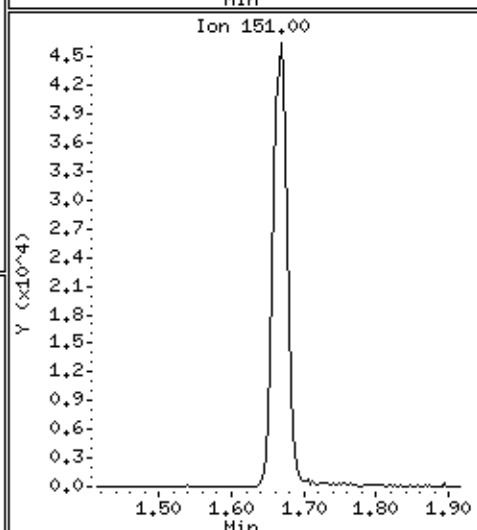
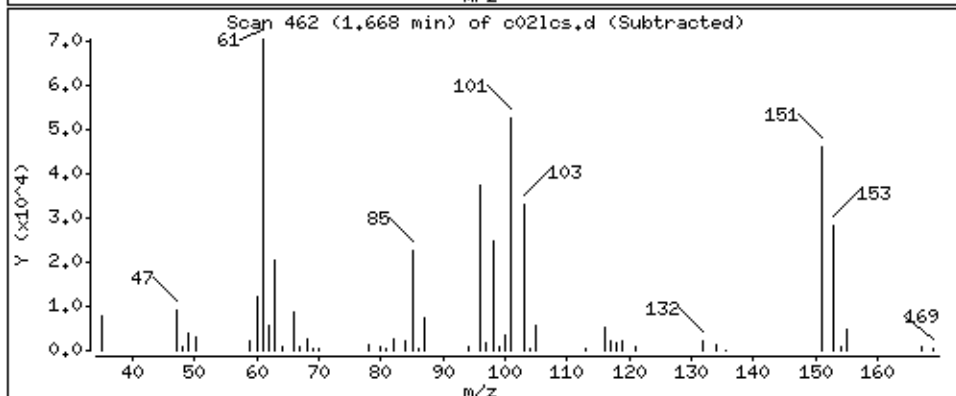
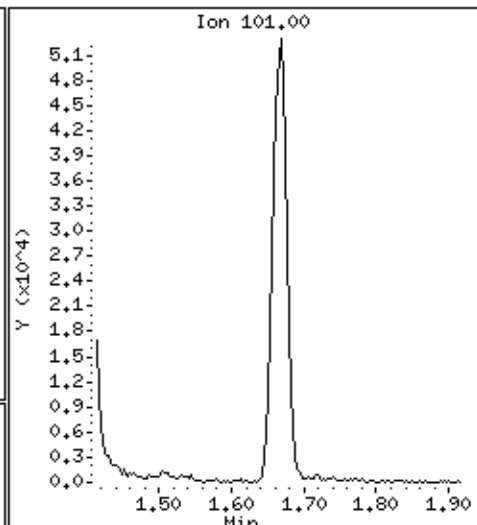
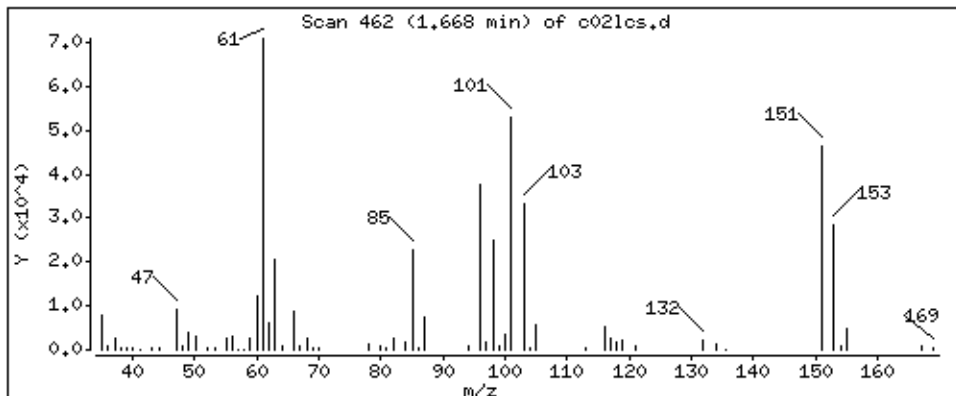
Operator: amv

Column phase: DB-624

Column diameter: 0,18

10 1,1,2trichlorotrifluoroethane

Concentration: 52.2 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

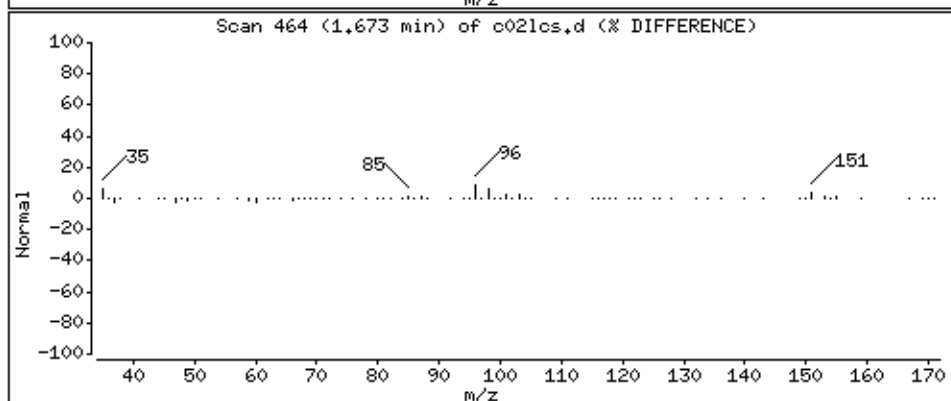
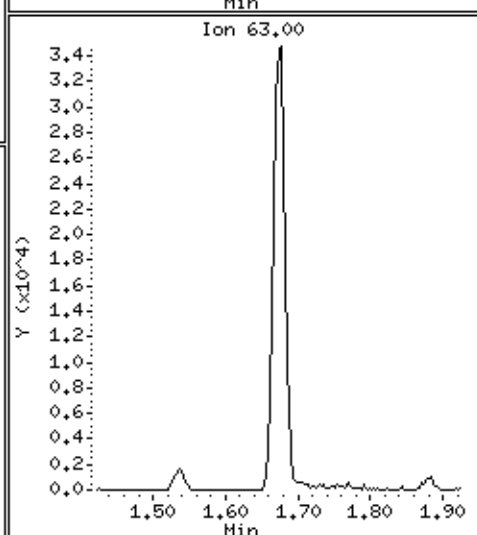
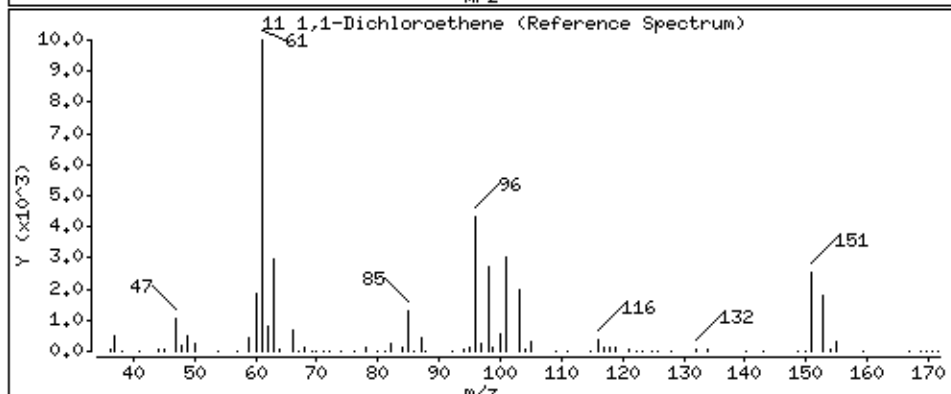
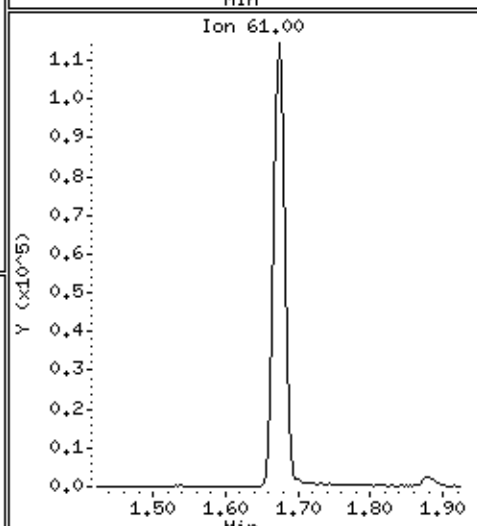
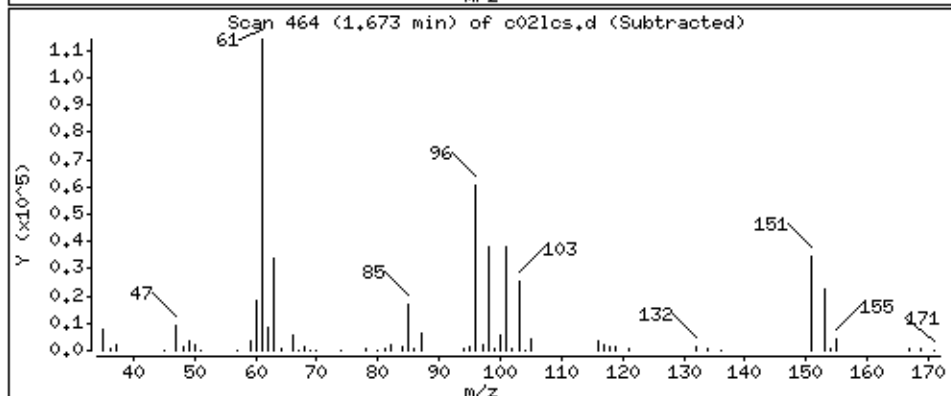
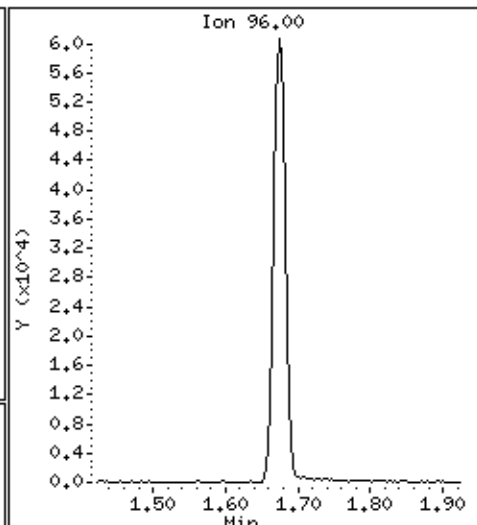
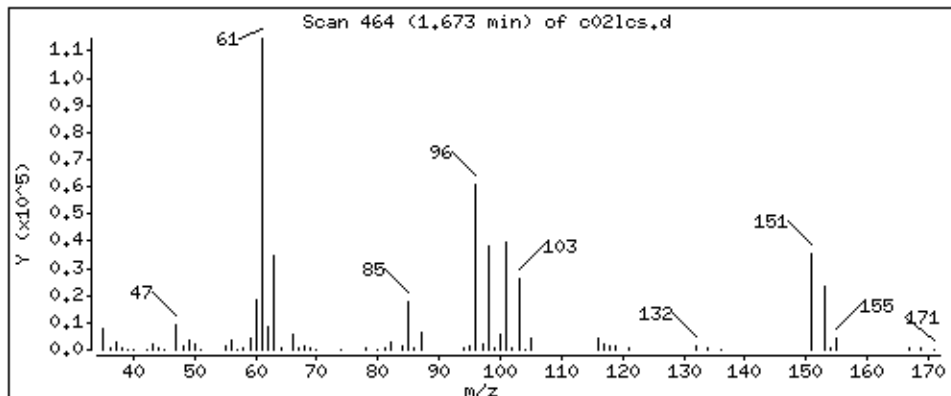
Operator: amv

Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 47.7 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

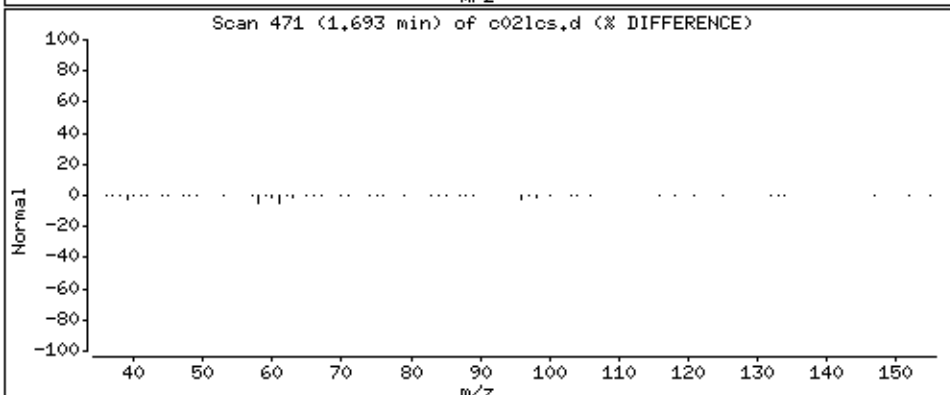
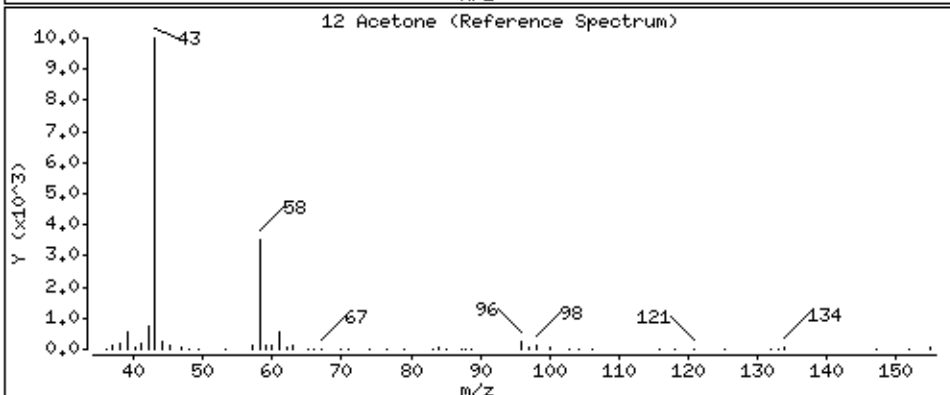
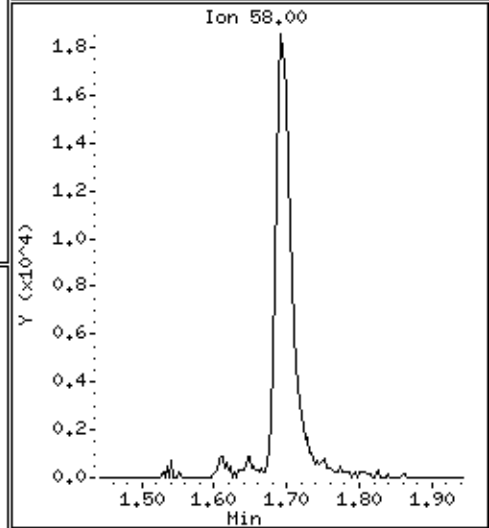
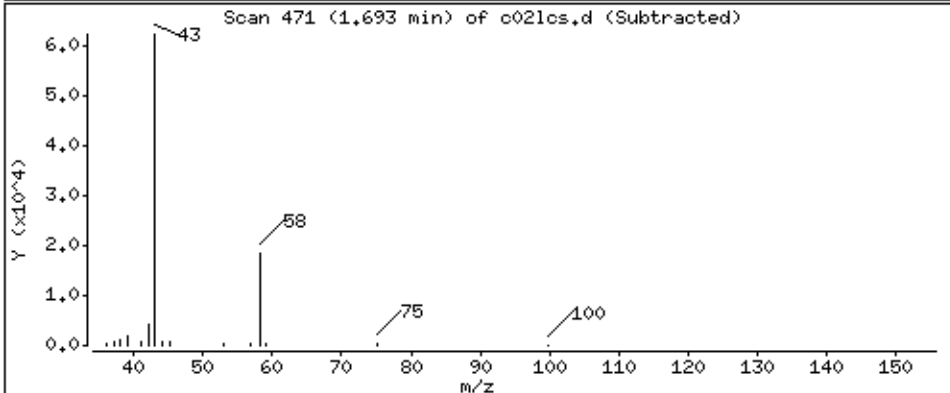
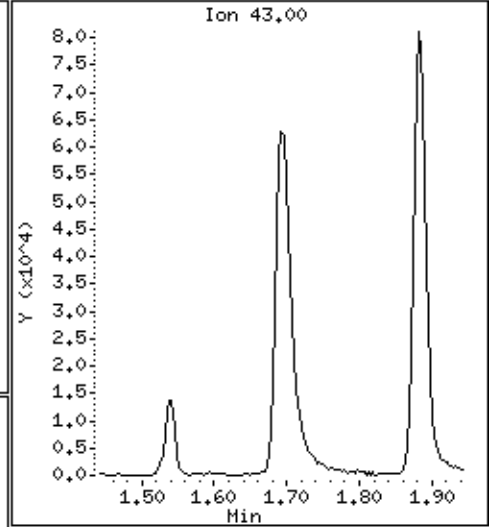
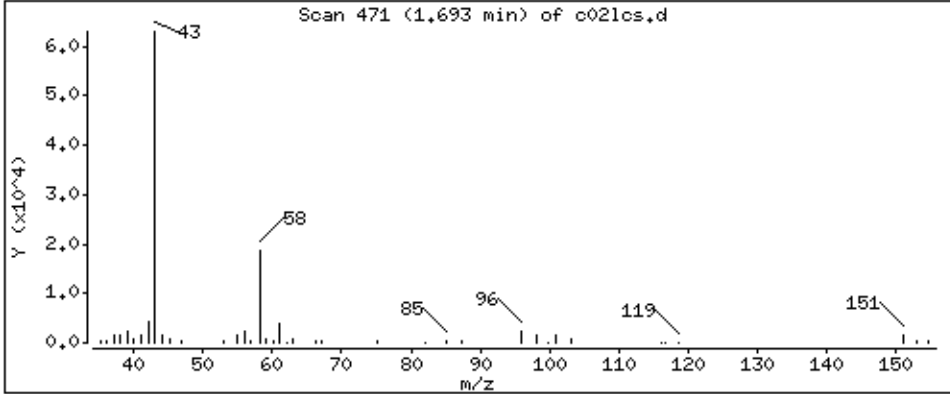
Operator: amv

Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 252 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

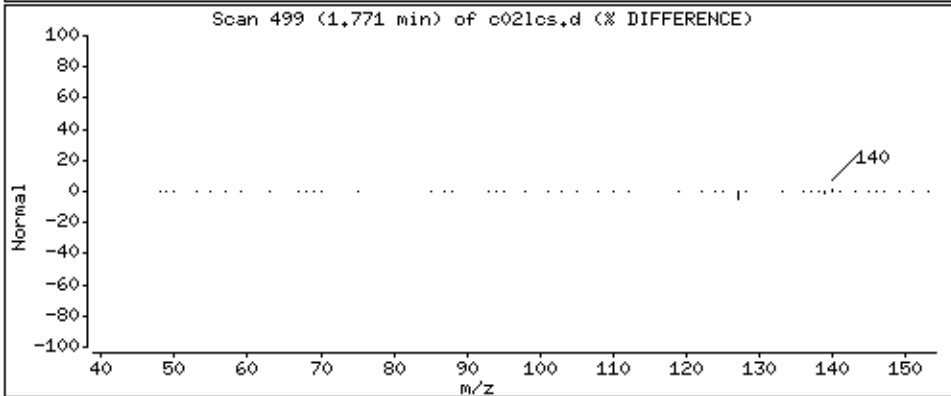
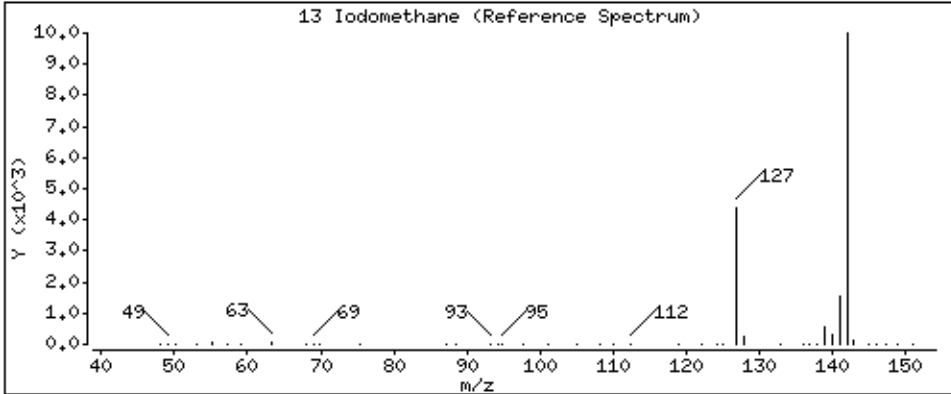
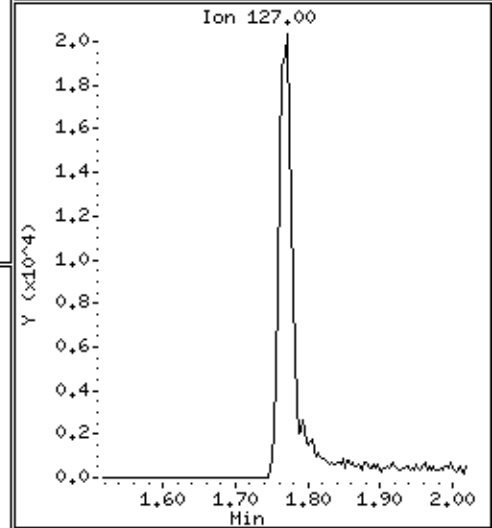
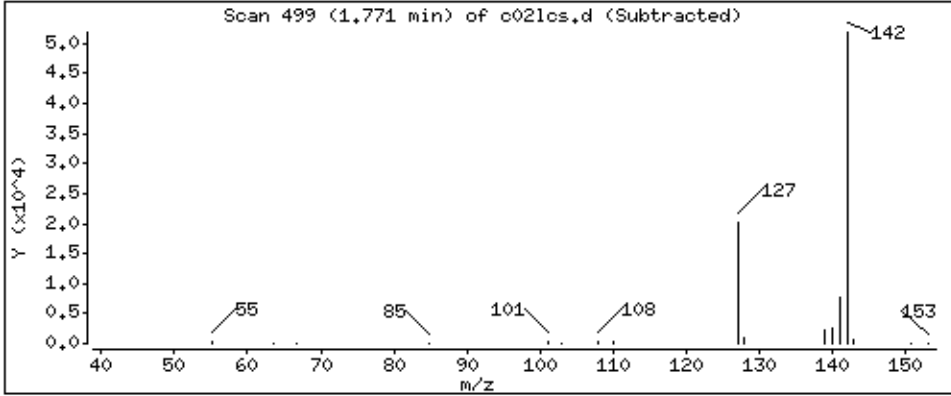
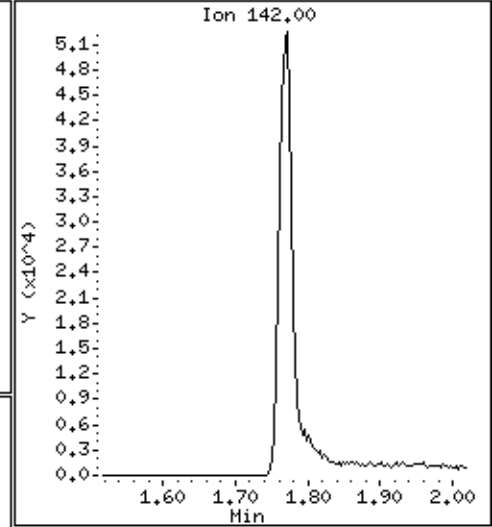
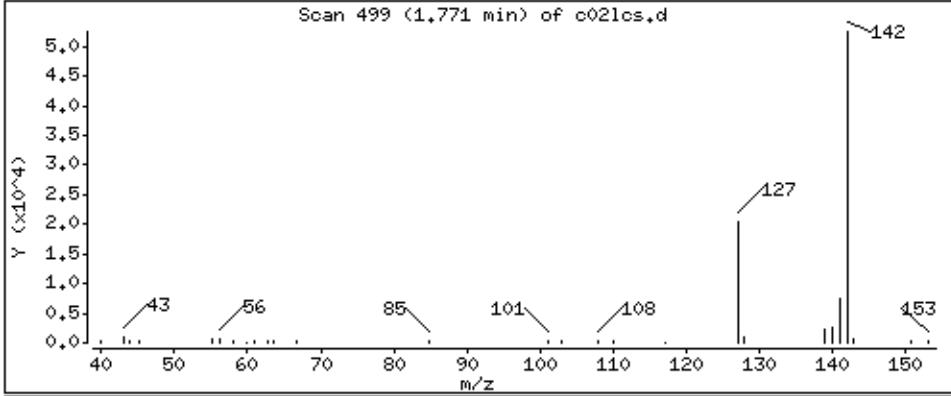
Operator: amv

Column phase: DB-624

Column diameter: 0.18

13 Iodomethane

Concentration: 48.1 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

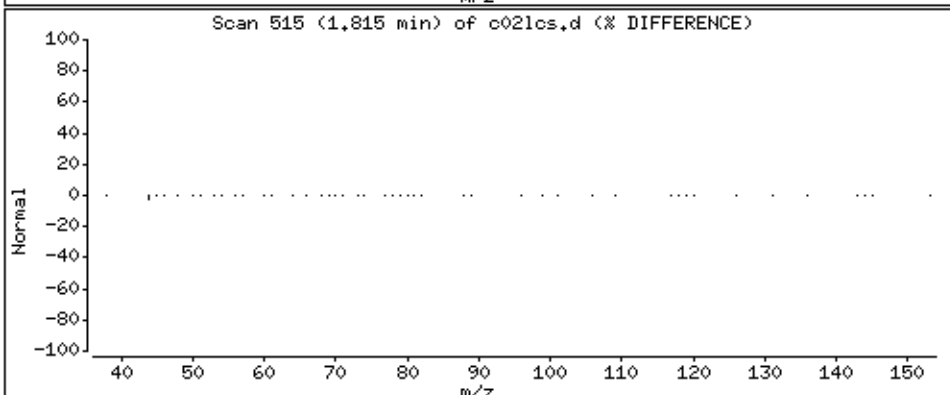
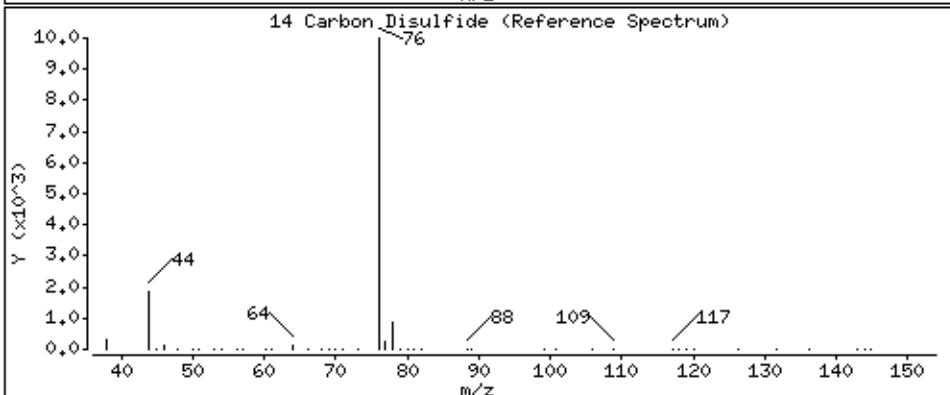
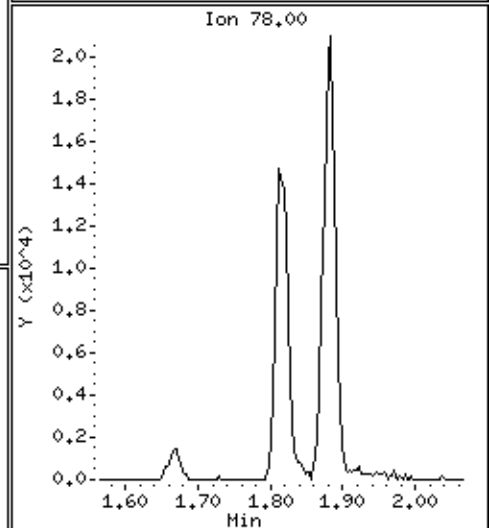
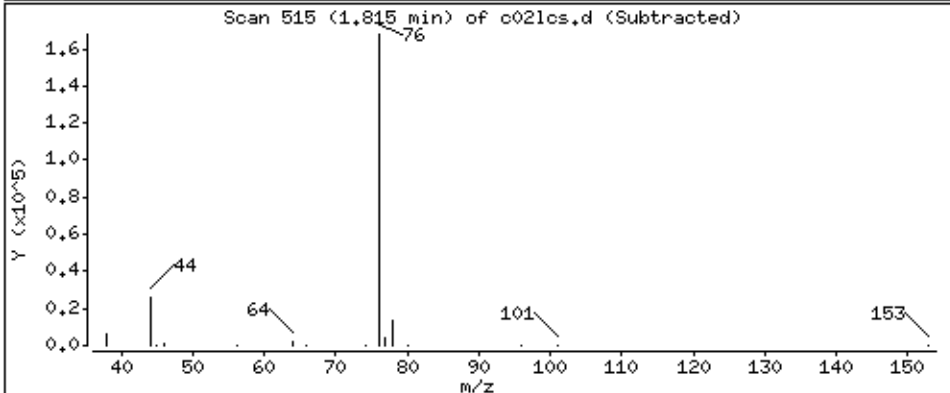
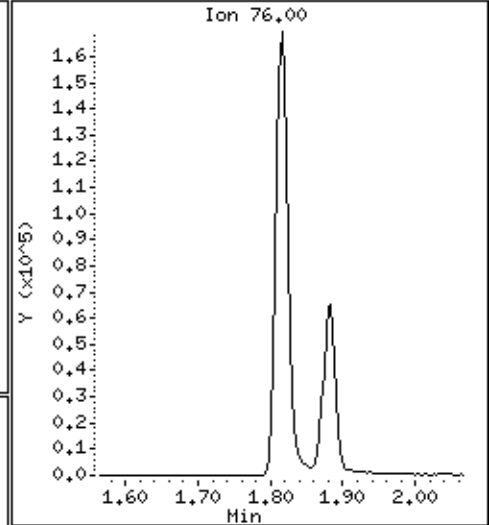
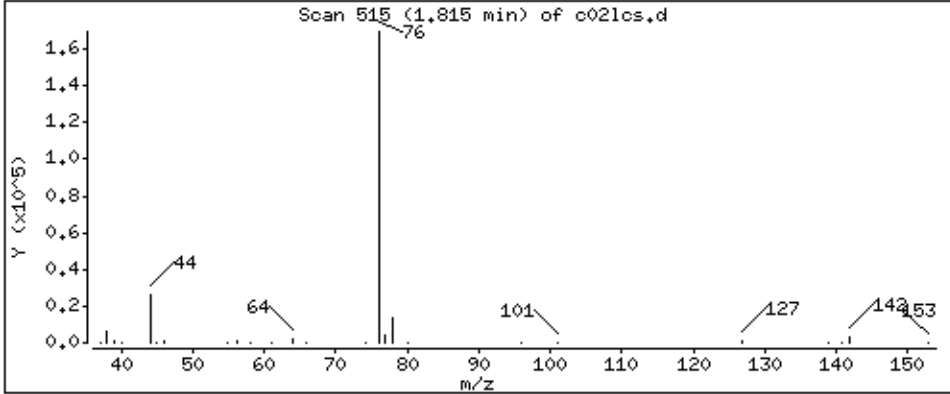
Operator: amv

Column phase: DB-624

Column diameter: 0,18

14 Carbon Disulfide

Concentration: 47.3 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

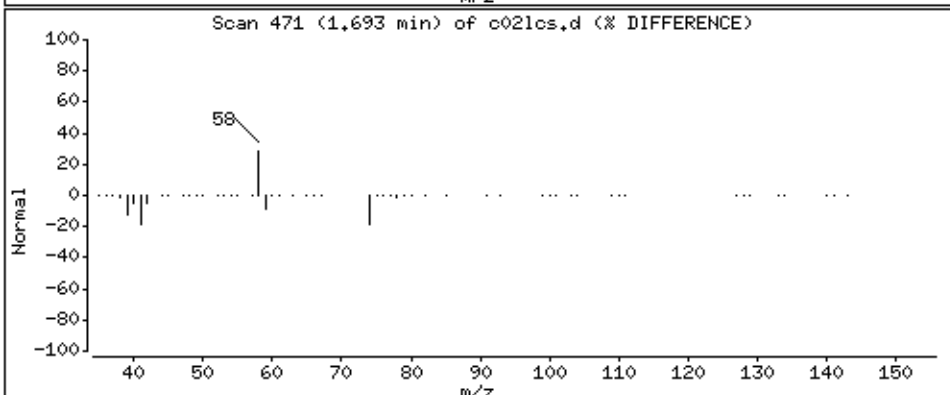
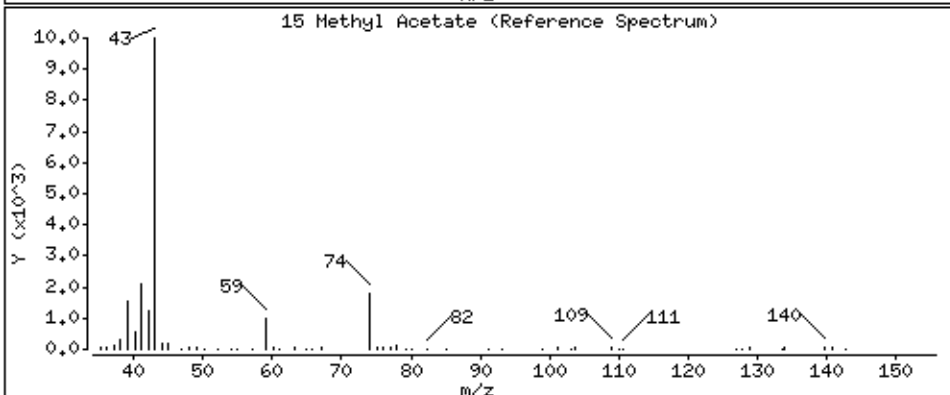
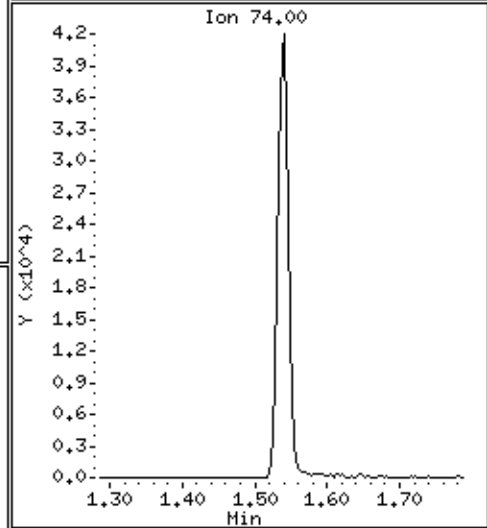
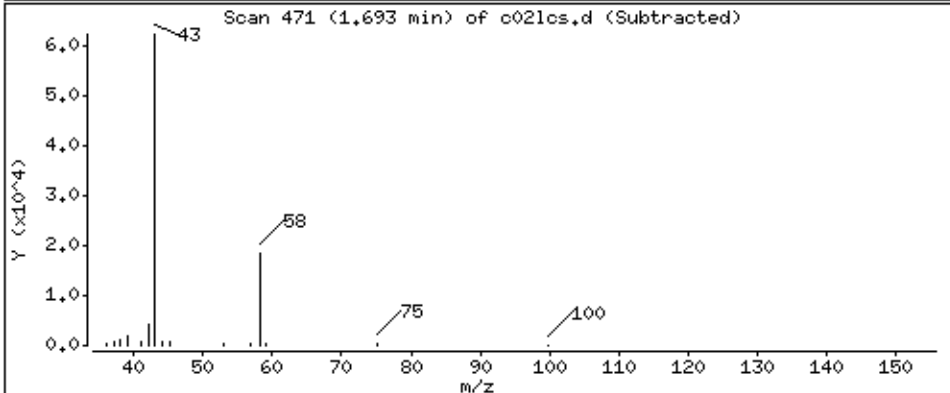
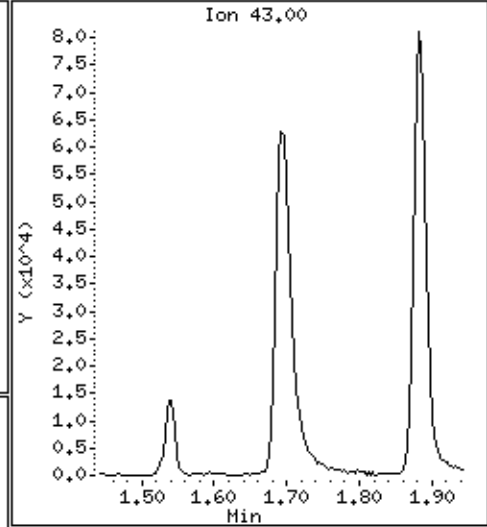
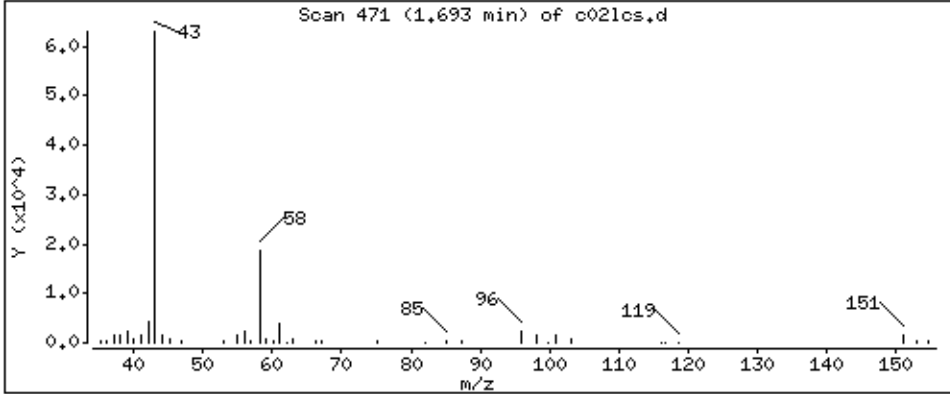
Operator: amv

Column phase: DB-624

Column diameter: 0,18

15 Methyl Acetate

Concentration: 50,1 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

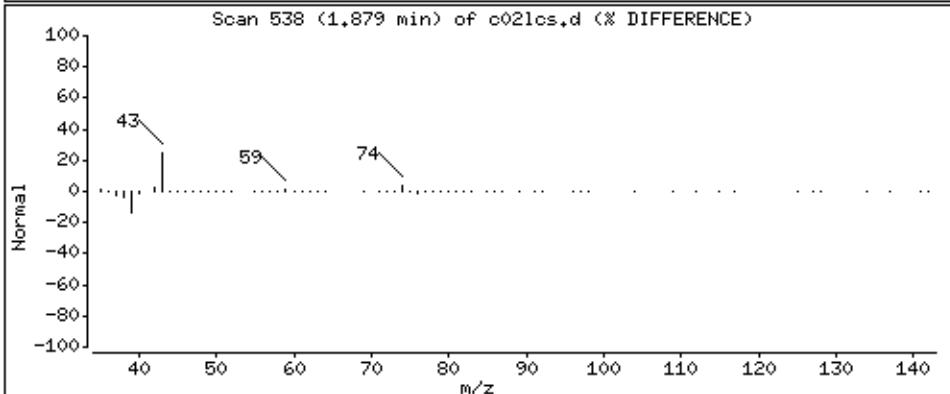
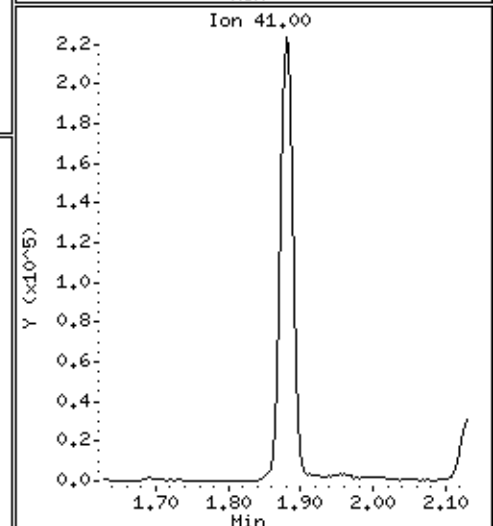
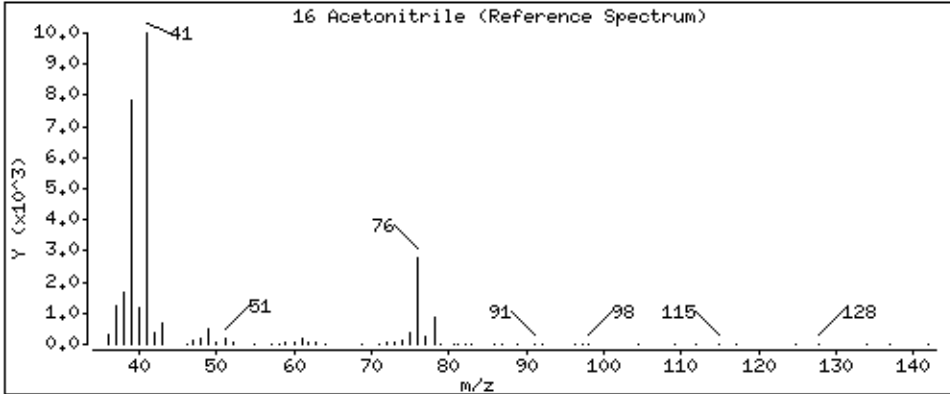
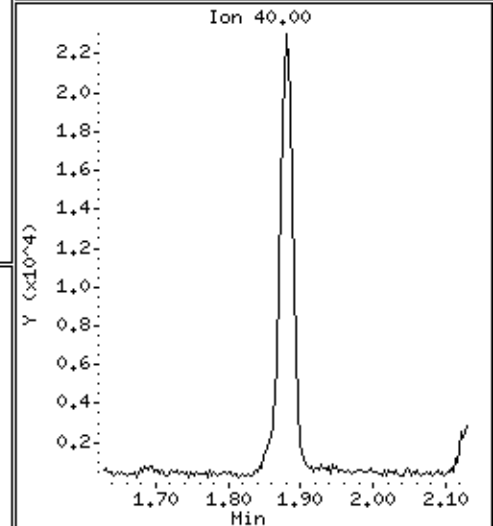
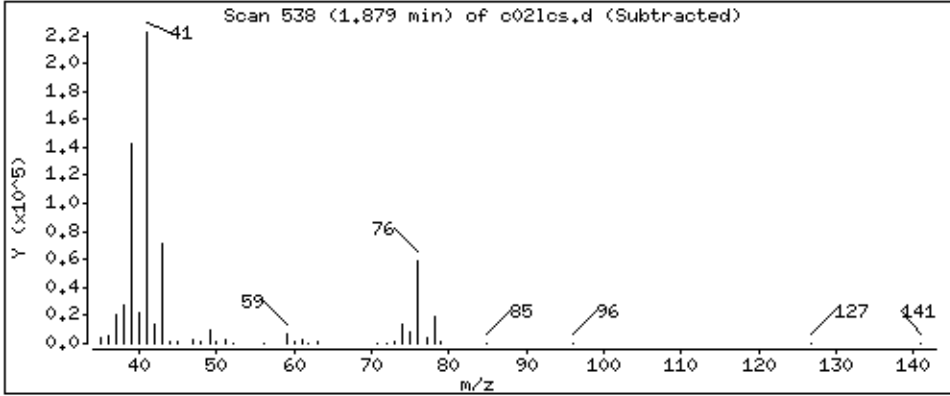
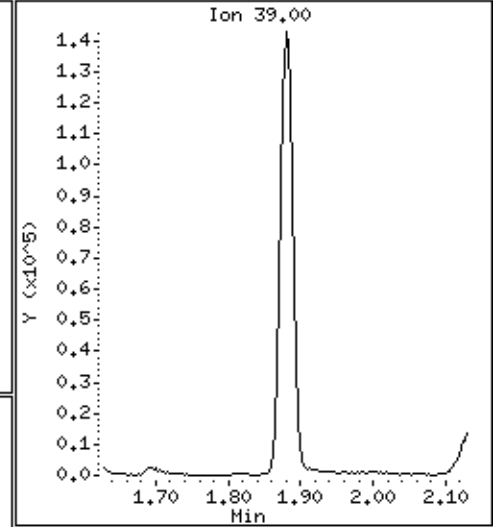
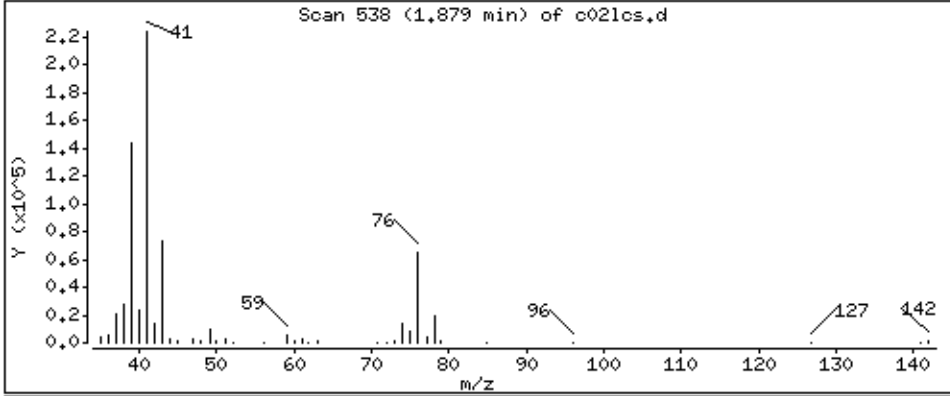
Operator: amv

Column phase: DB-624

Column diameter: 0,18

16 Acetonitrile

Concentration: 38,6 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

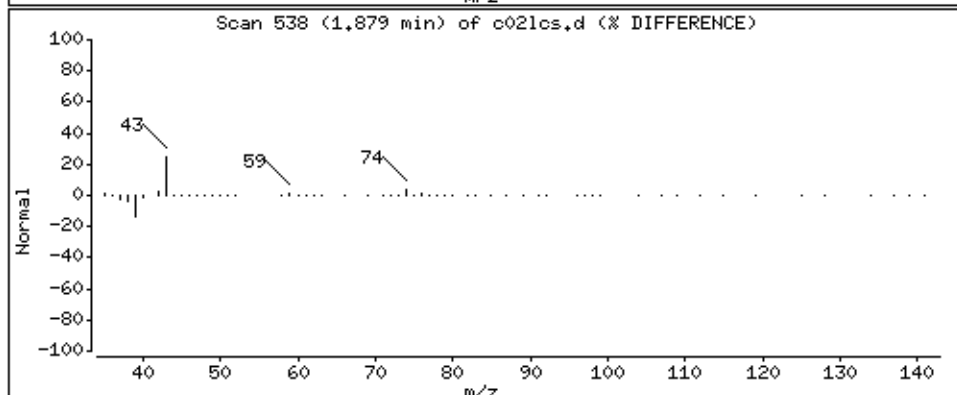
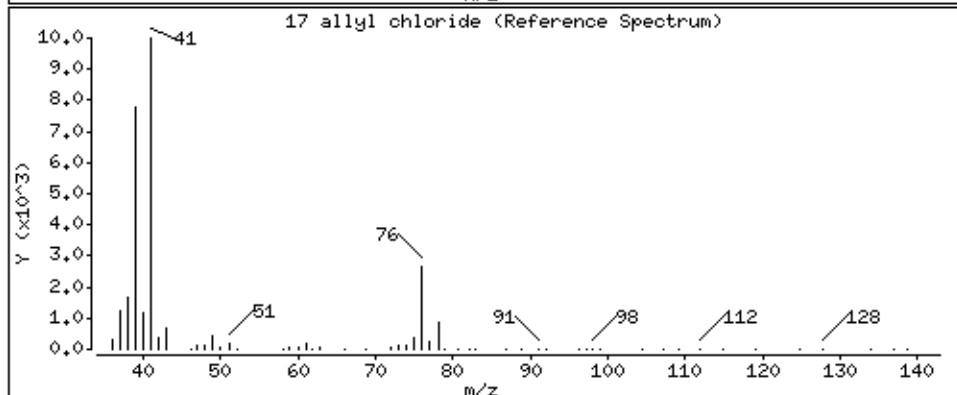
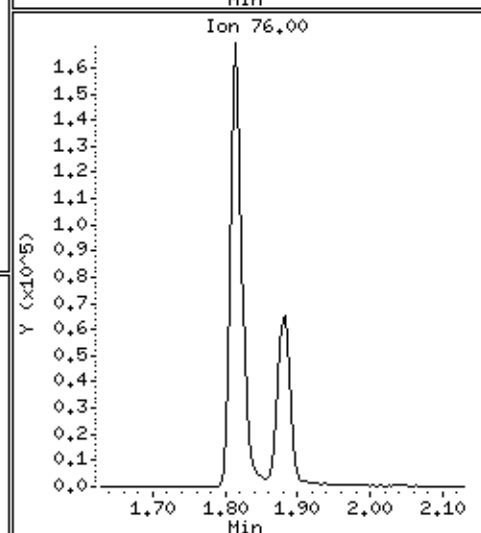
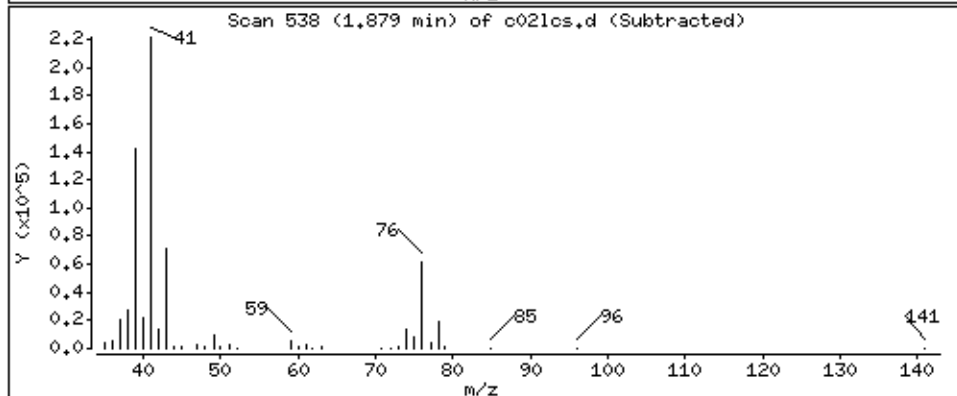
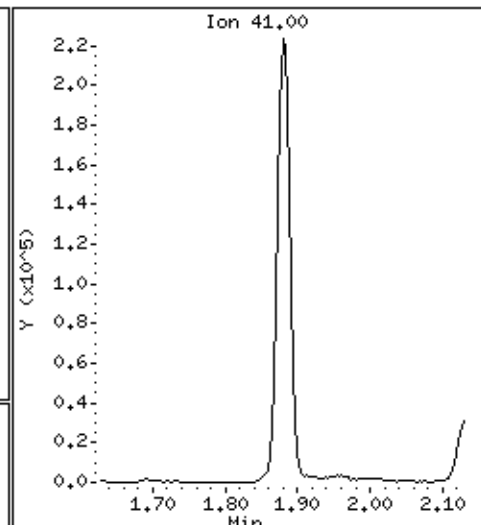
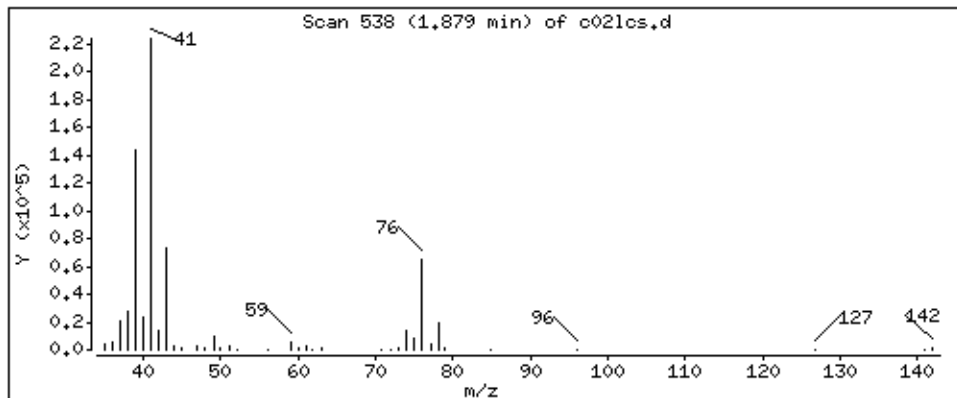
Operator: amv

Column phase: DB-624

Column diameter: 0,18

17 allyl chloride

Concentration: 88,2 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

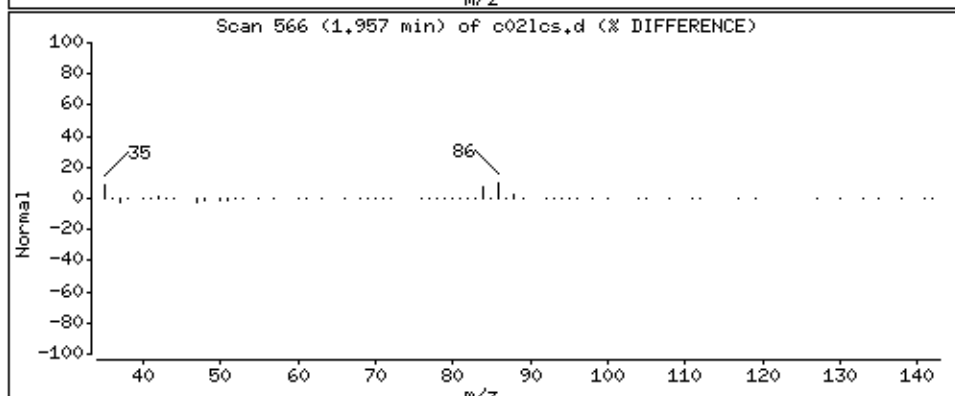
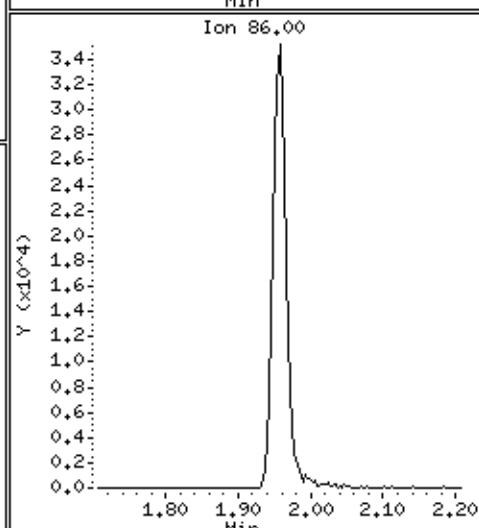
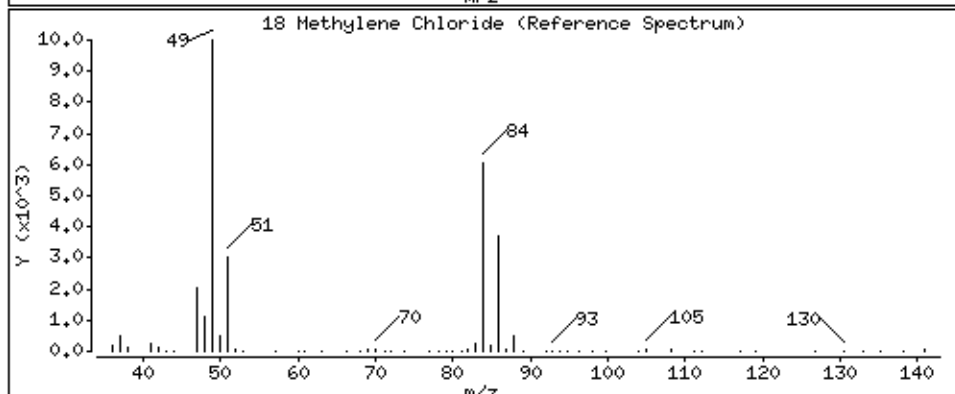
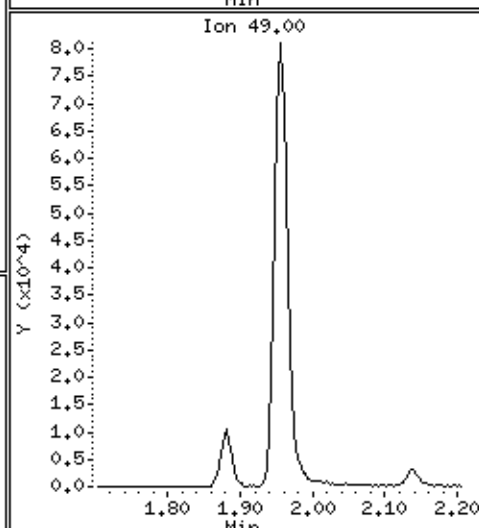
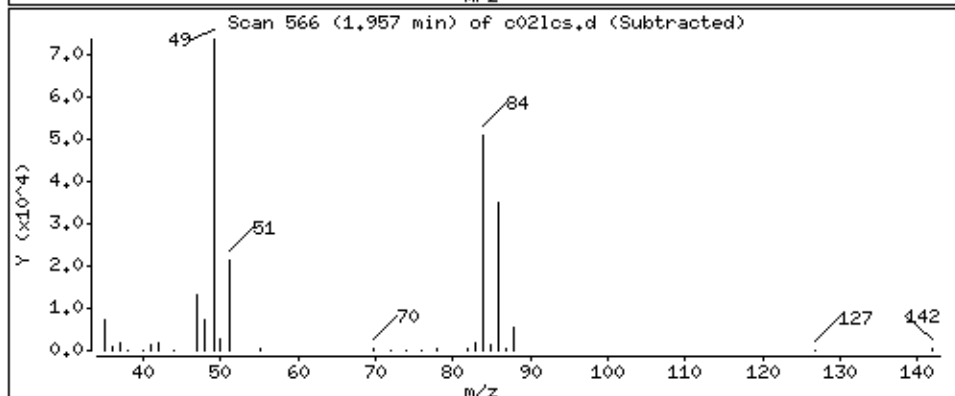
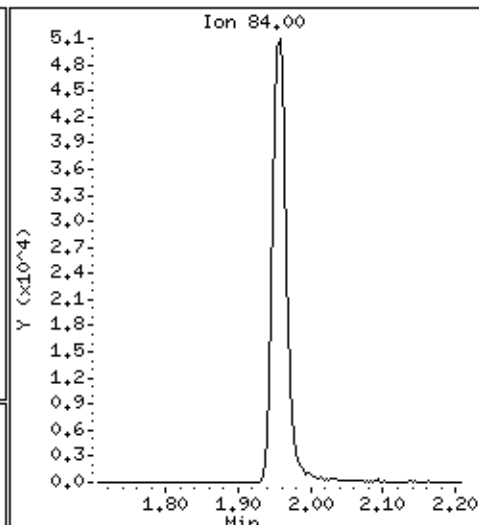
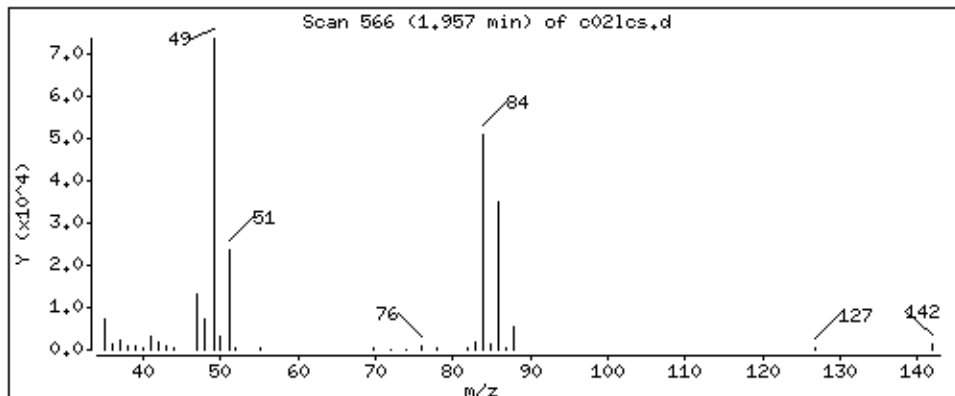
Operator: amv

Column phase: DB-624

Column diameter: 0,18

18 Methylene Chloride

Concentration: 51.4 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

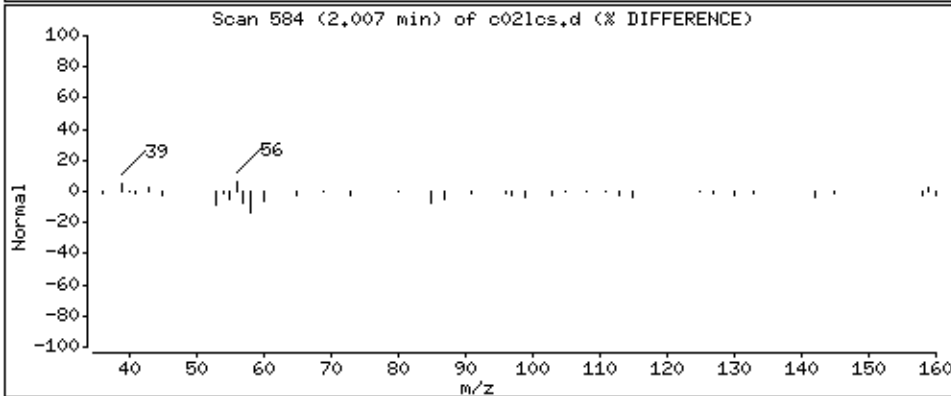
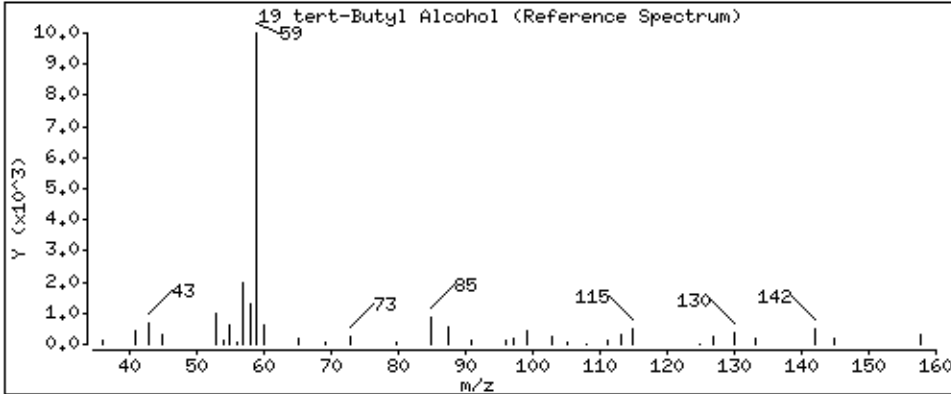
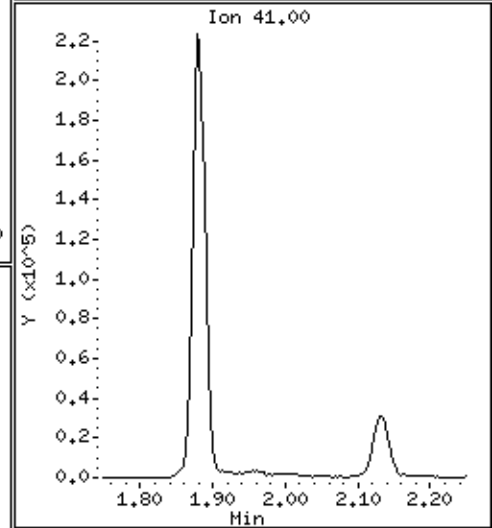
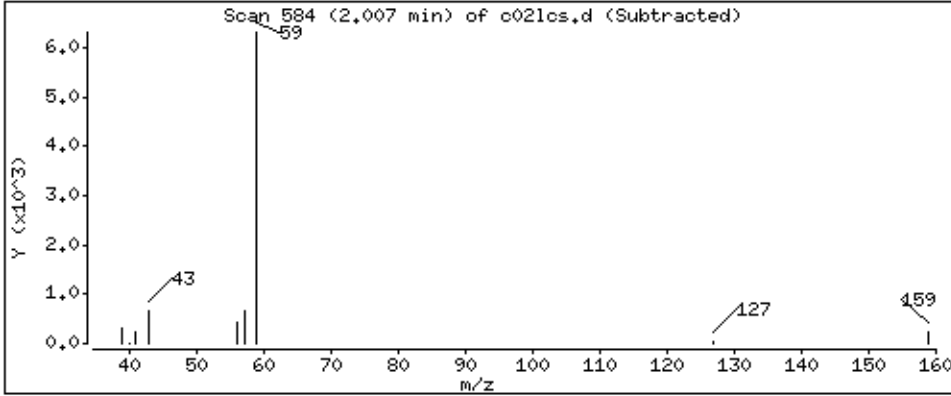
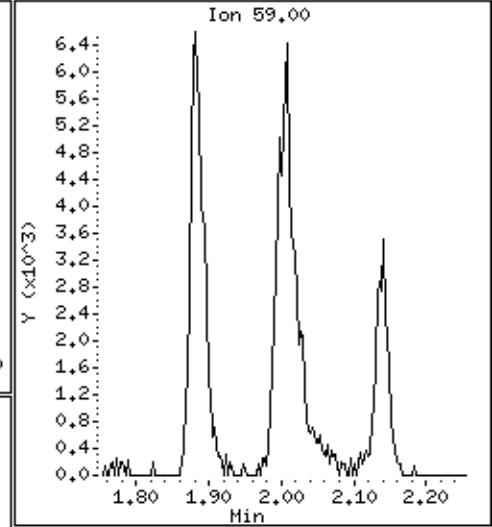
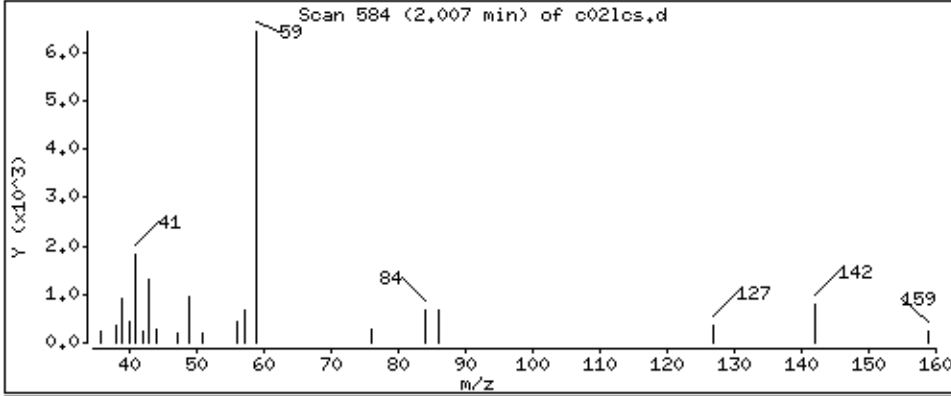
Operator: amv

Column phase: DB-624

Column diameter: 0,18

19 tert-Butyl Alcohol

Concentration: 93,6 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

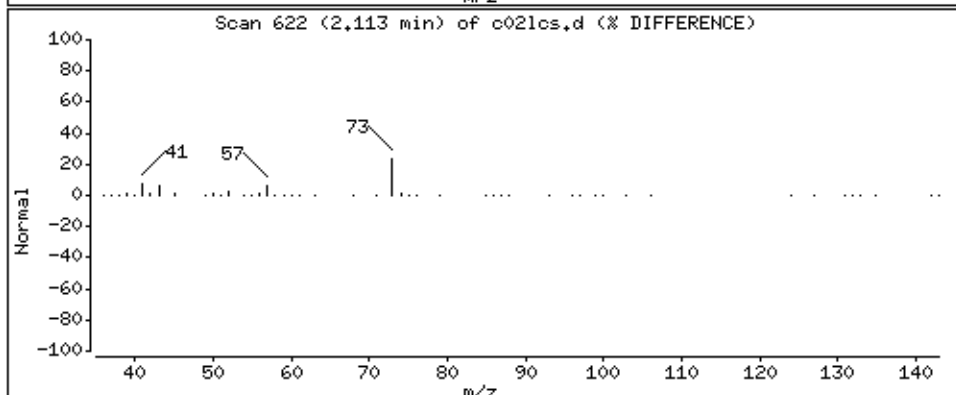
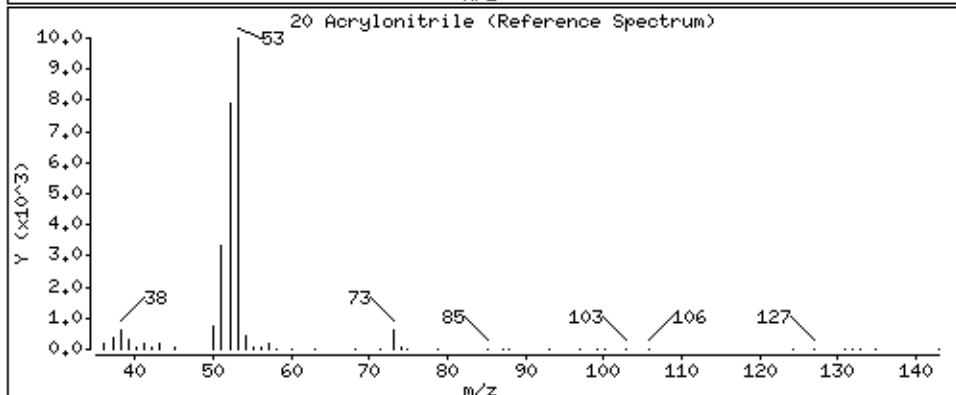
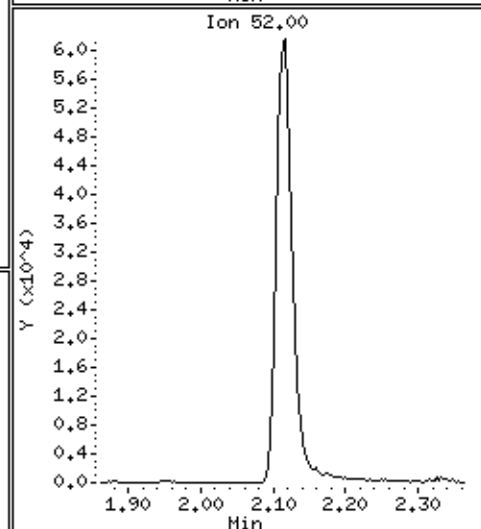
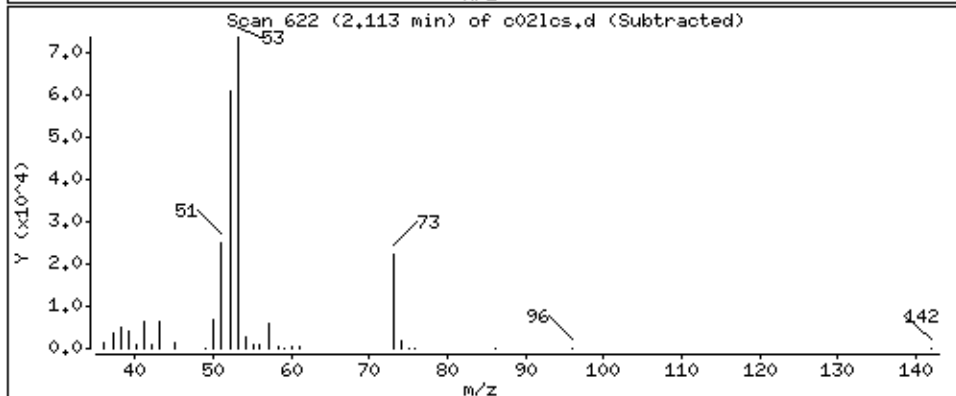
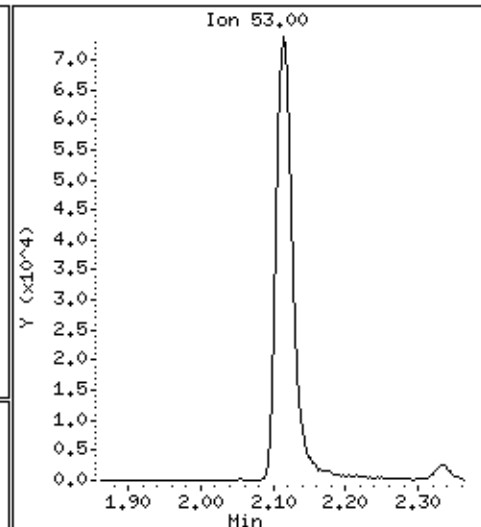
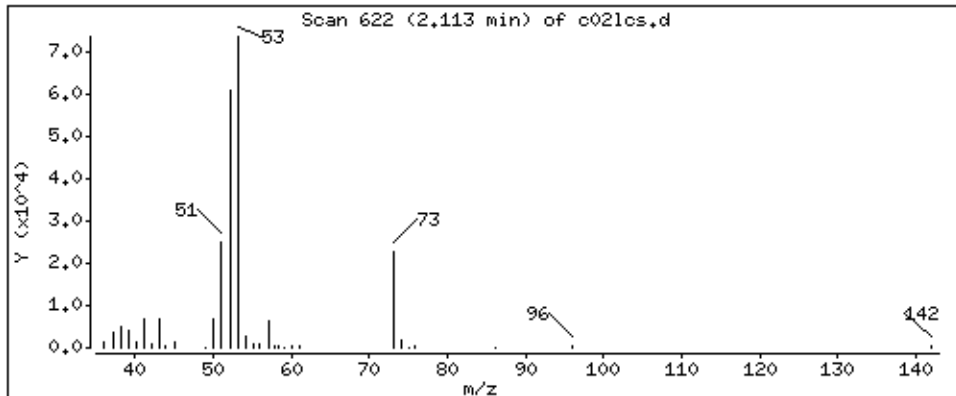
Operator: amv

Column phase: DB-624

Column diameter: 0,18

20 Acrylonitrile

Concentration: 195 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

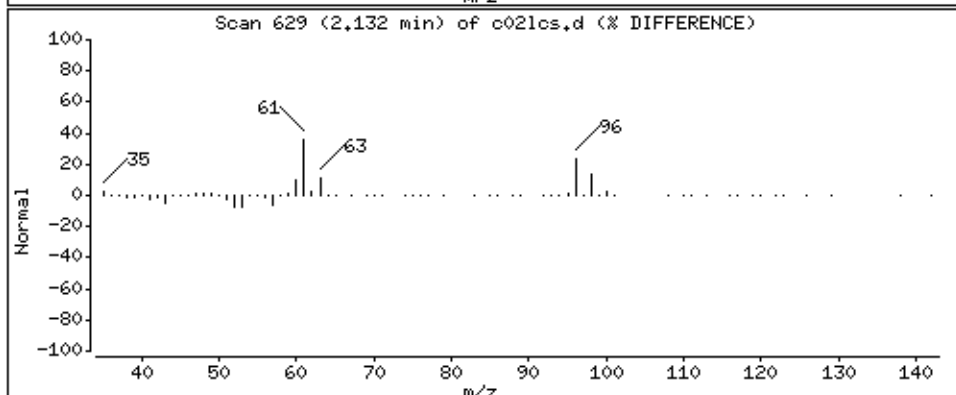
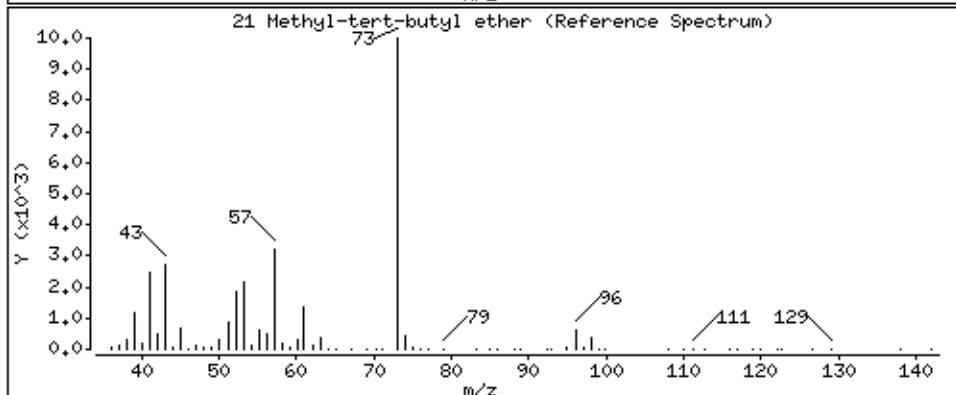
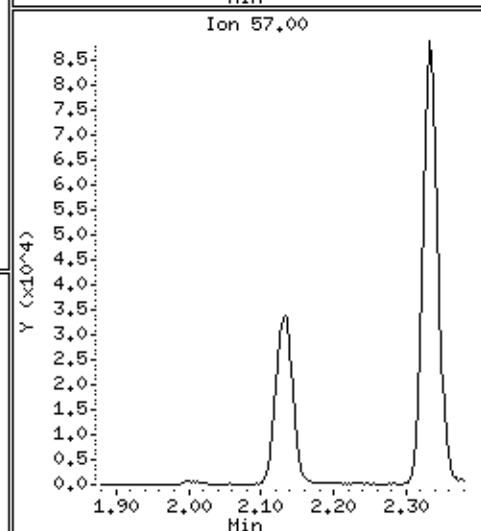
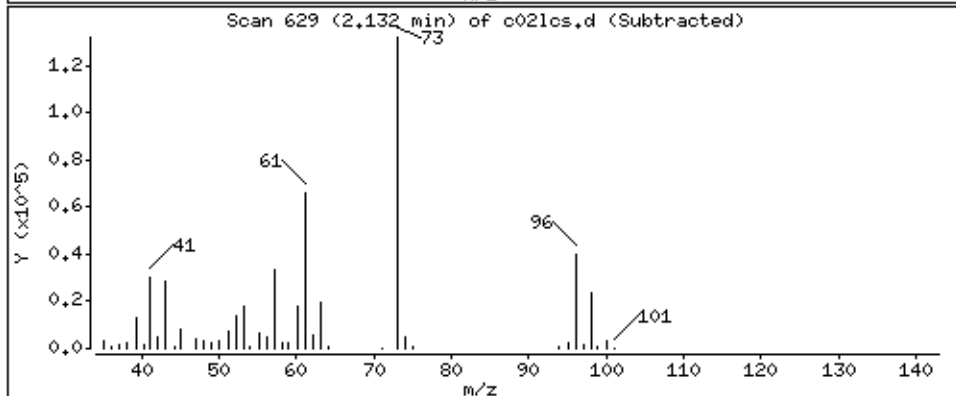
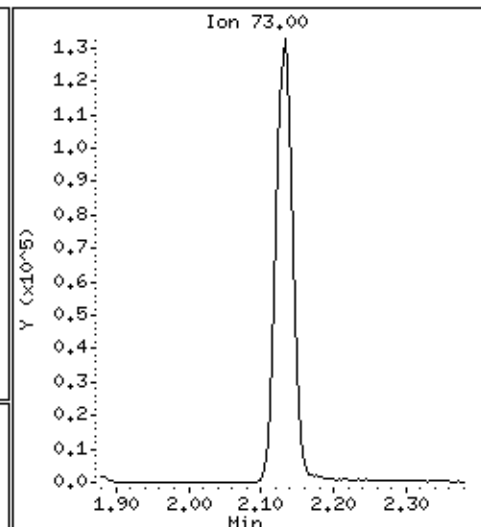
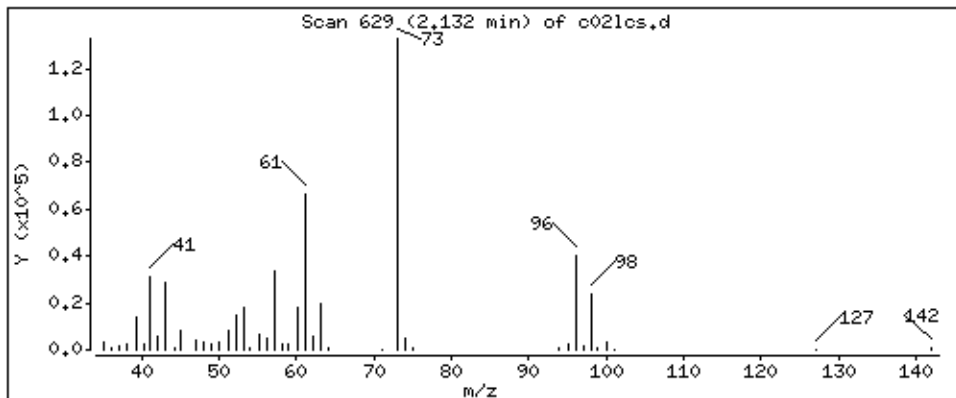
Operator: amv

Column phase: DB-624

Column diameter: 0,18

21 Methyl-tert-butyl ether

Concentration: 51.0 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

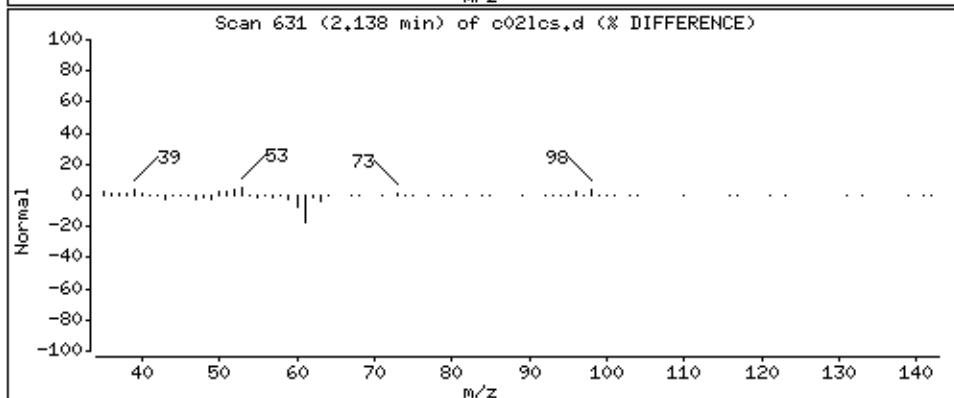
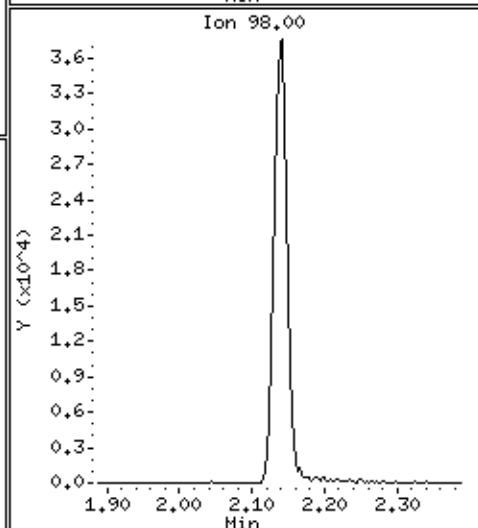
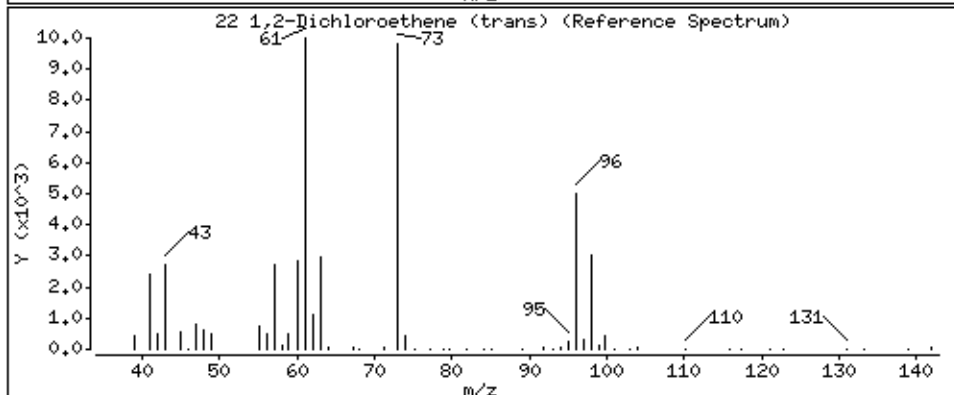
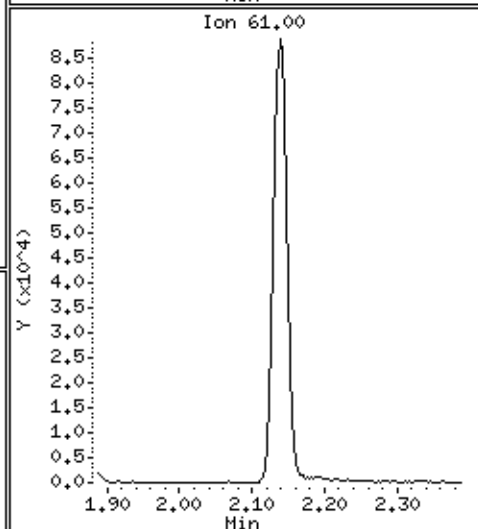
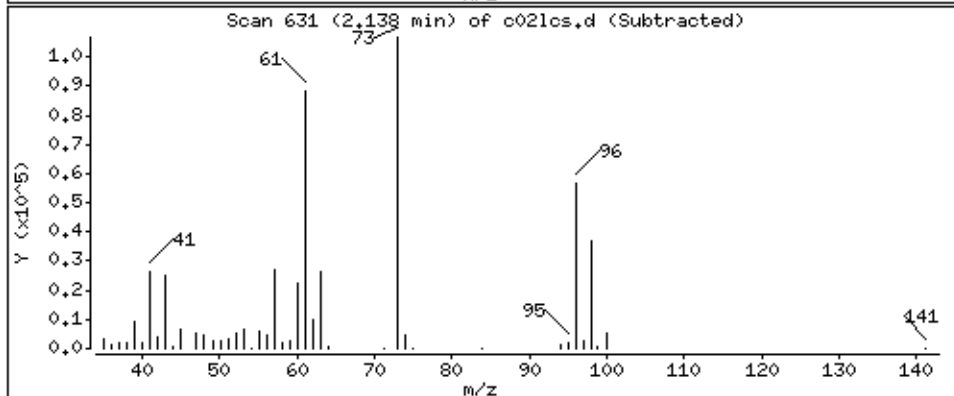
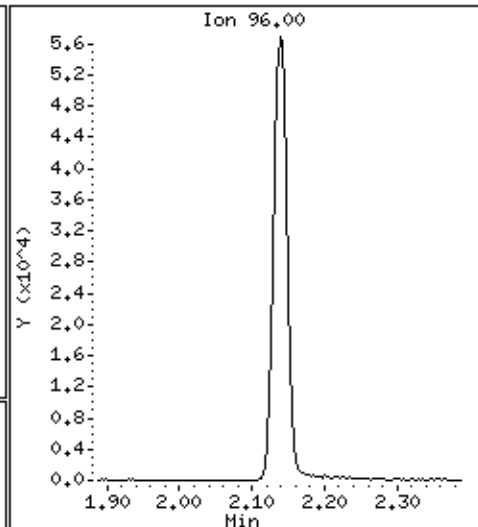
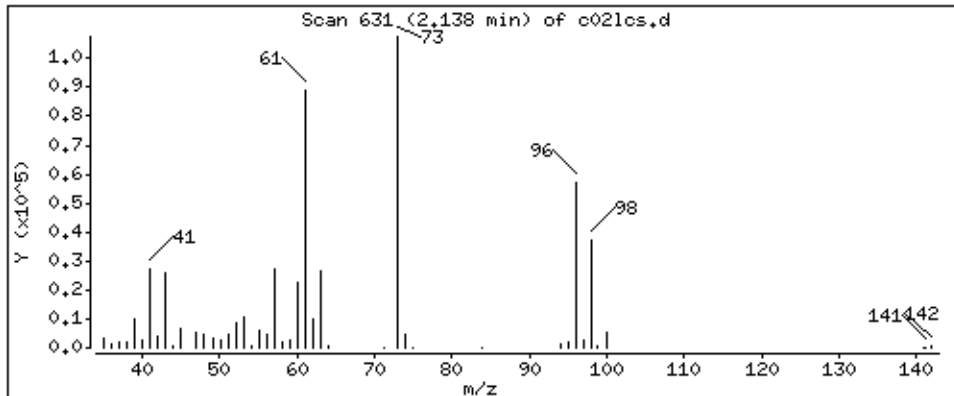
Operator: amv

Column phase: DB-624

Column diameter: 0,18

22 1,2-Dichloroethene (trans)

Concentration: 48,2 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

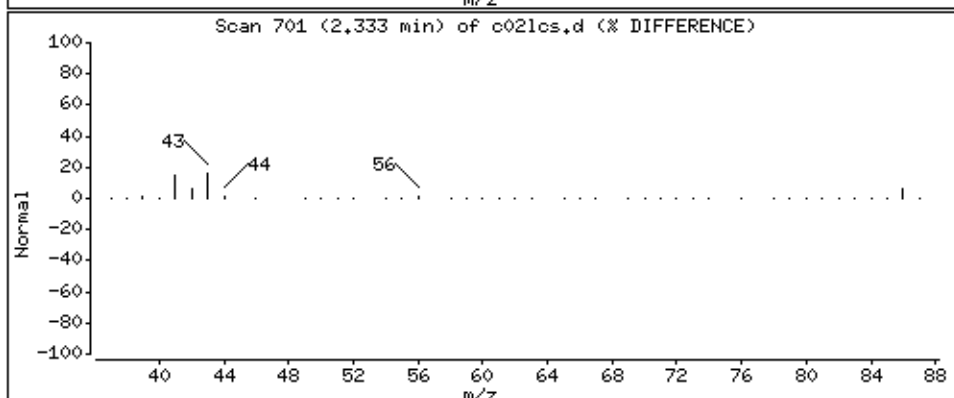
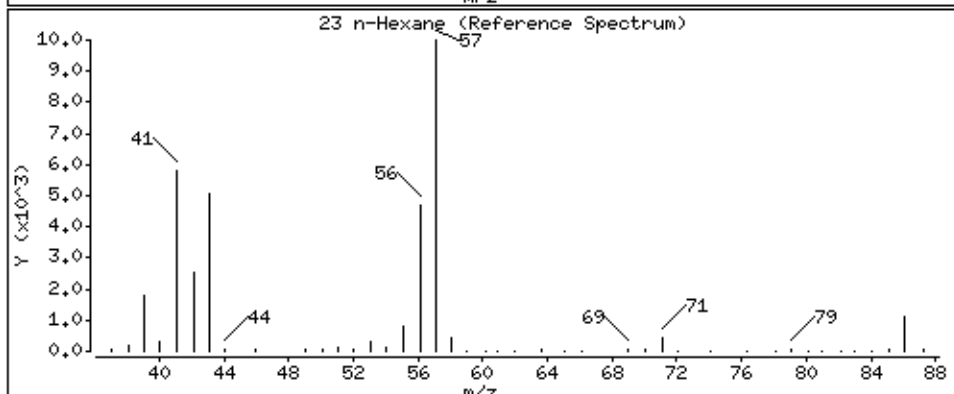
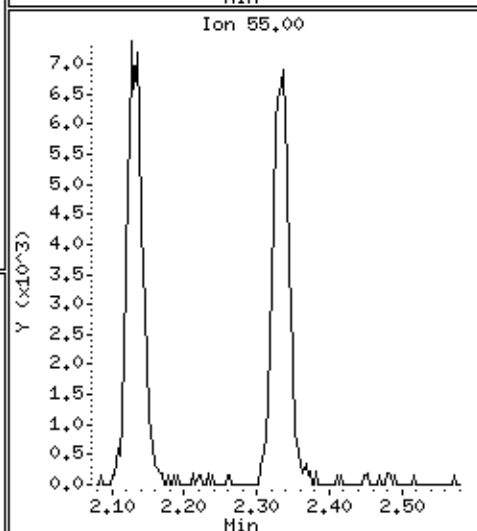
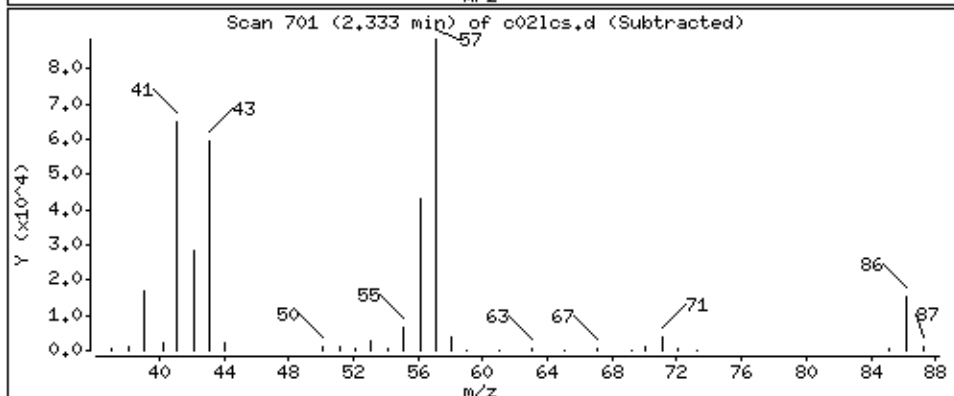
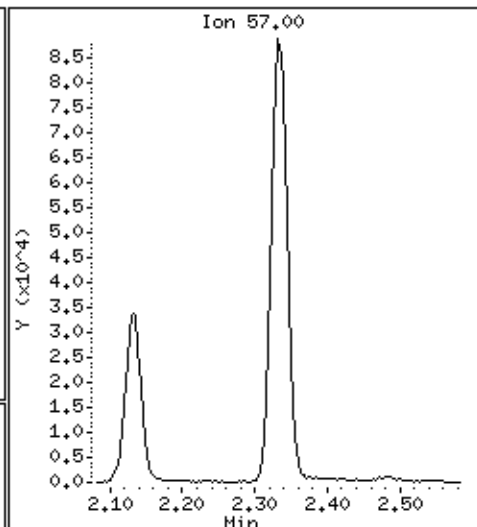
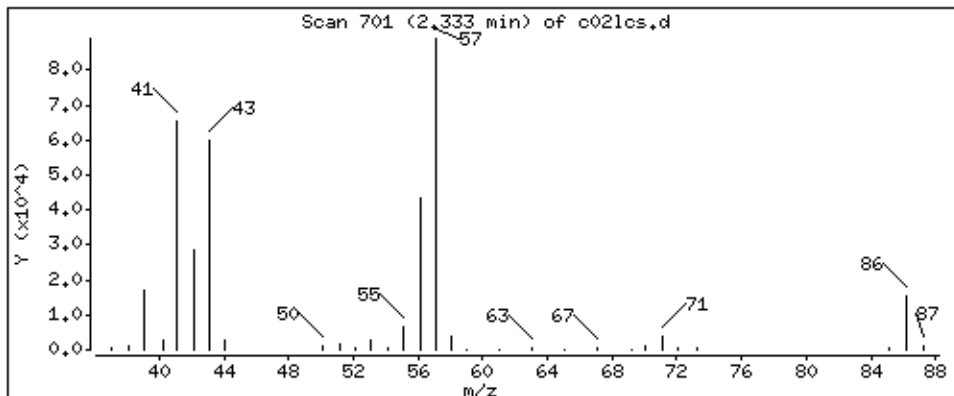
Operator: amv

Column phase: DB-624

Column diameter: 0,18

23 n-Hexane

Concentration: 46,3 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

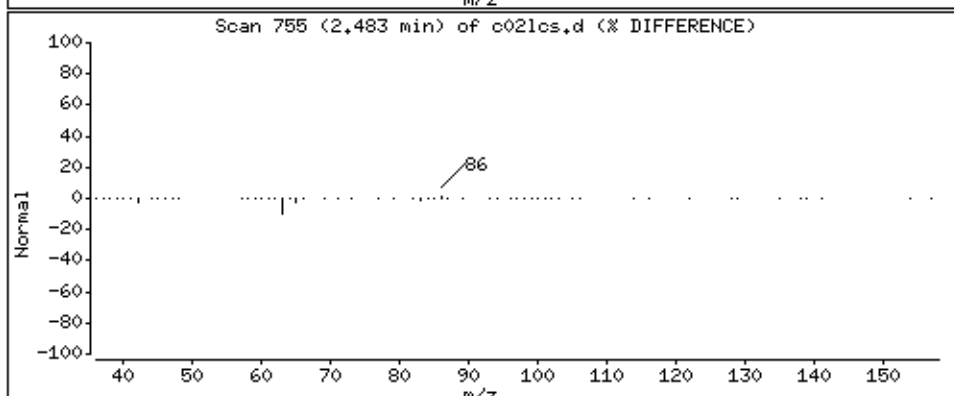
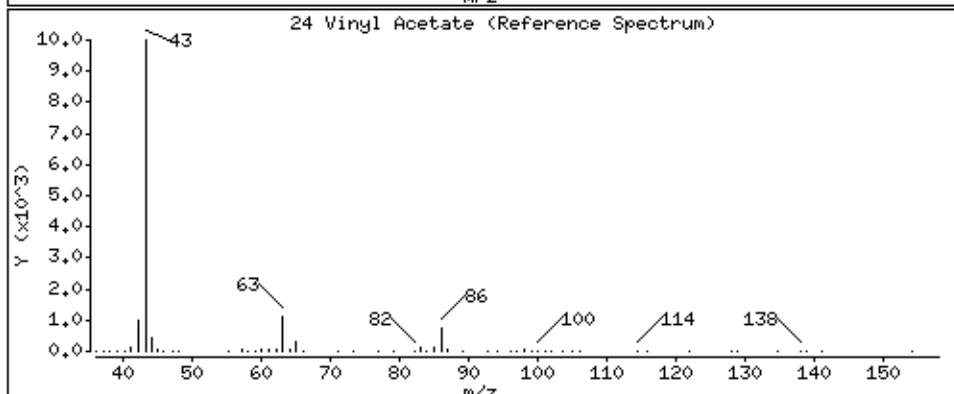
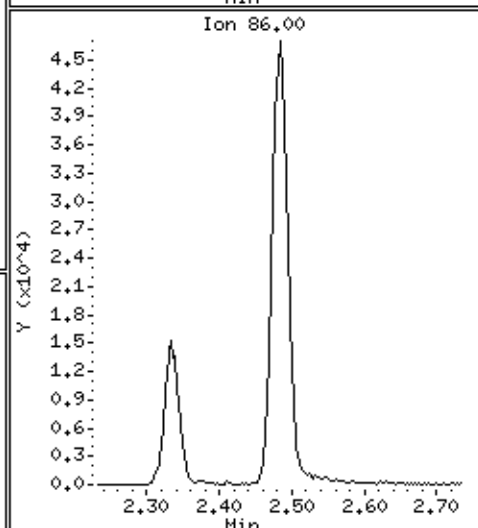
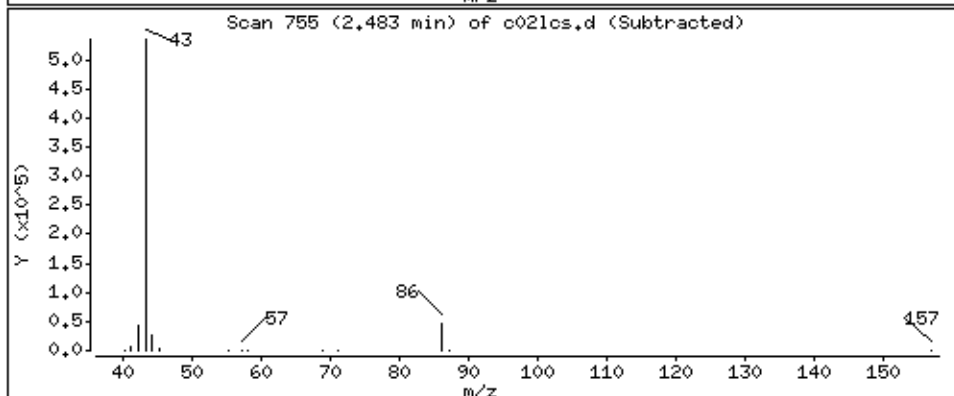
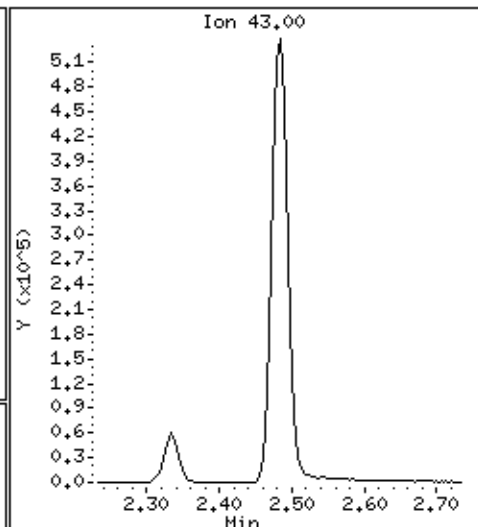
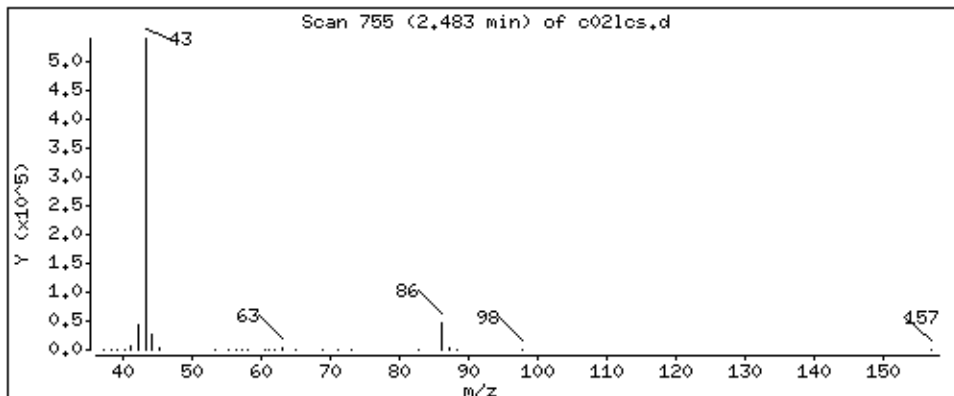
Operator: amv

Column phase: DB-624

Column diameter: 0,18

24 Vinyl Acetate

Concentration: 175 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

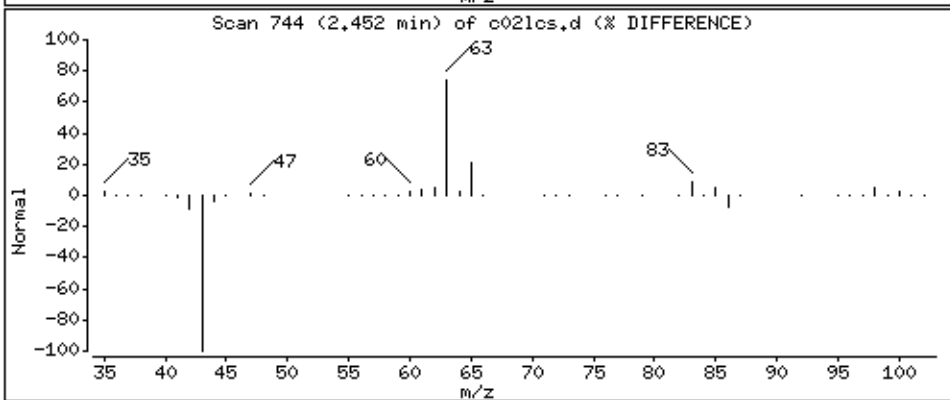
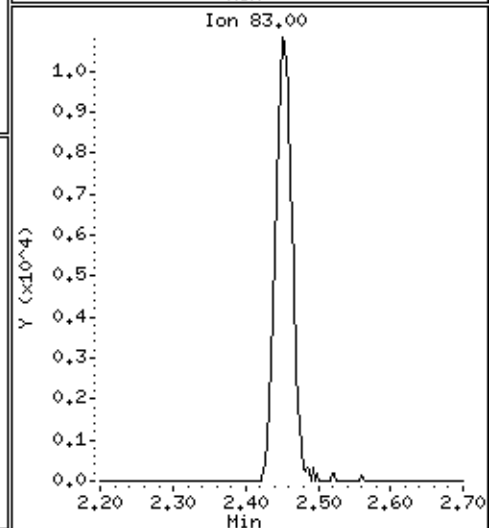
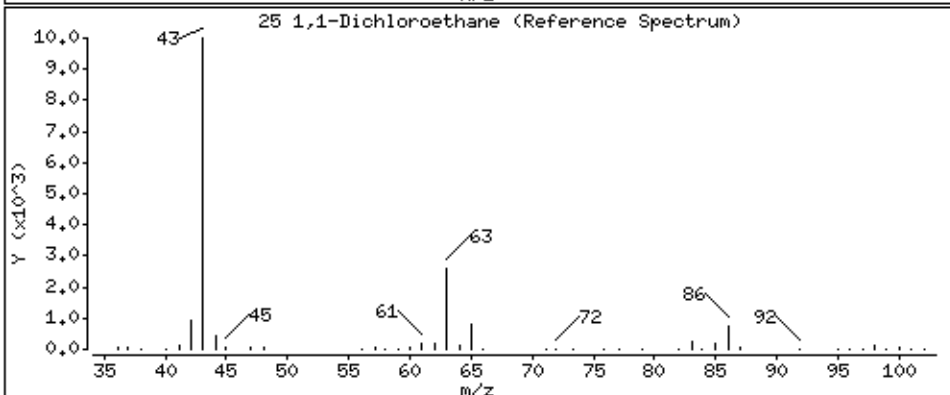
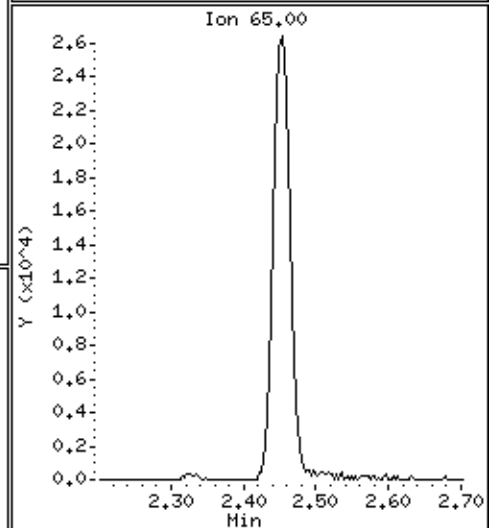
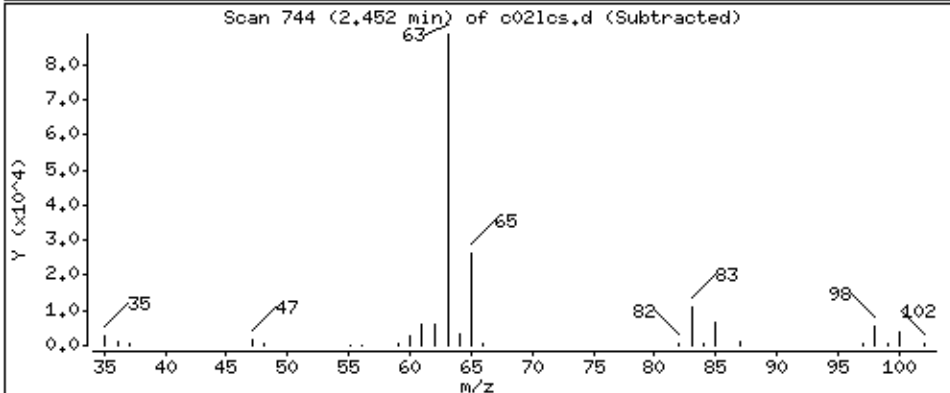
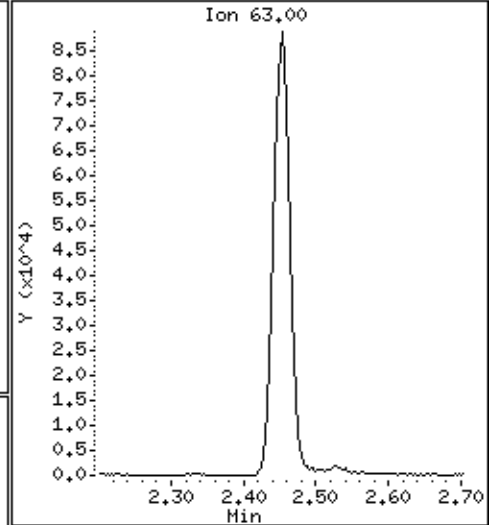
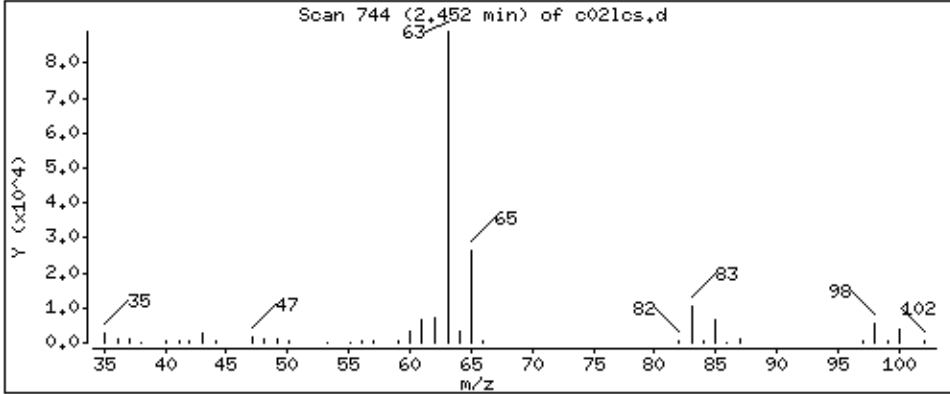
Operator: amv

Column phase: DB-624

Column diameter: 0,18

25 1,1-Dichloroethane

Concentration: 48,8 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

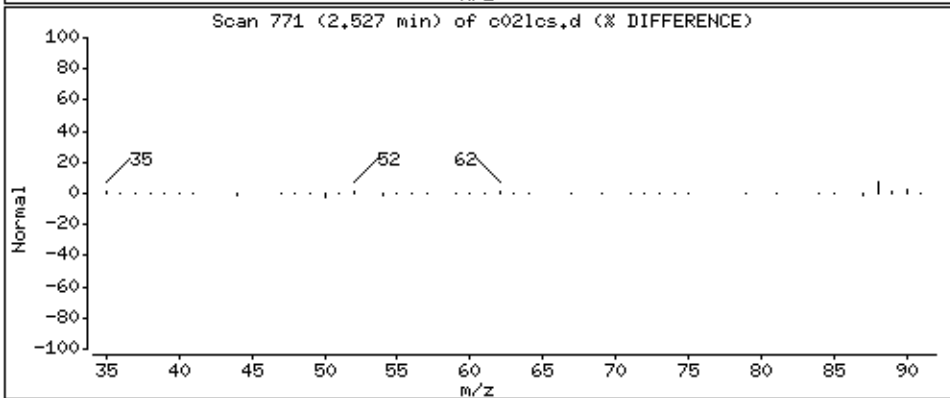
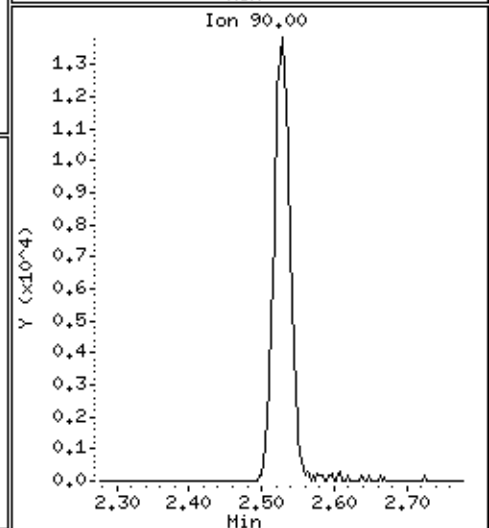
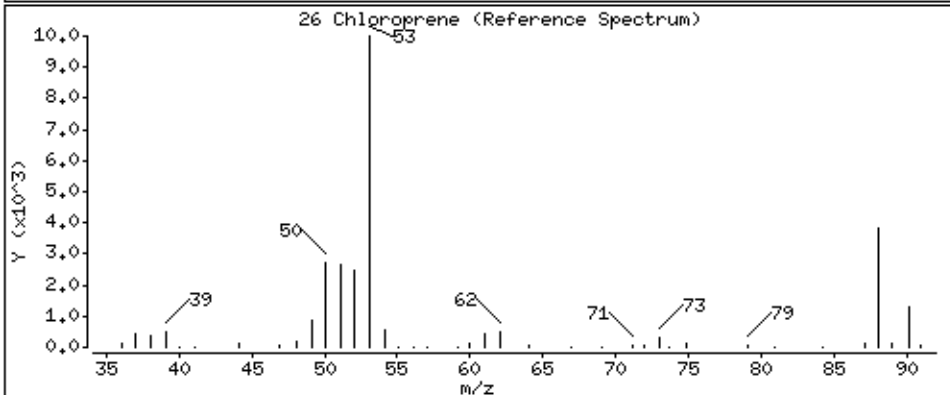
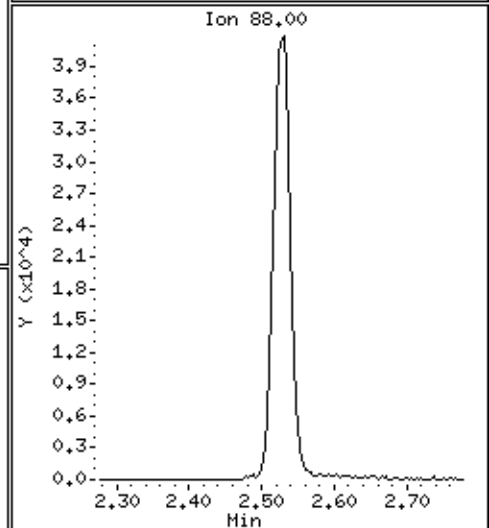
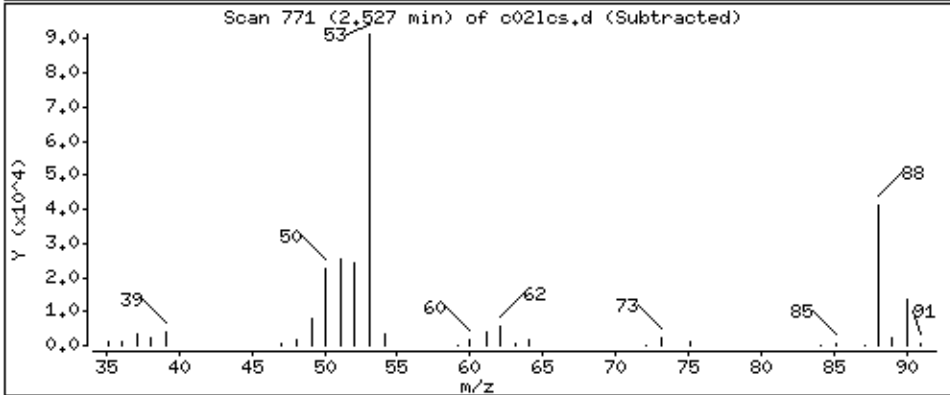
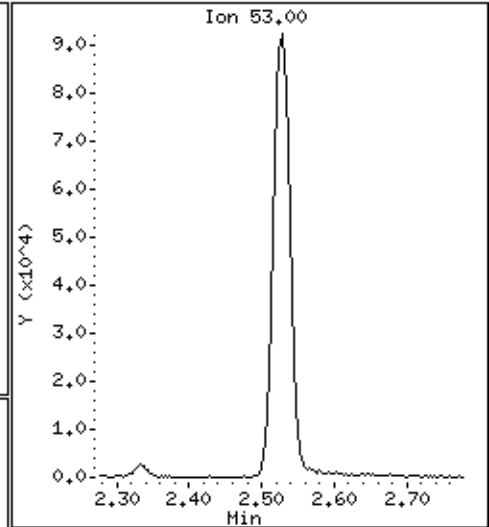
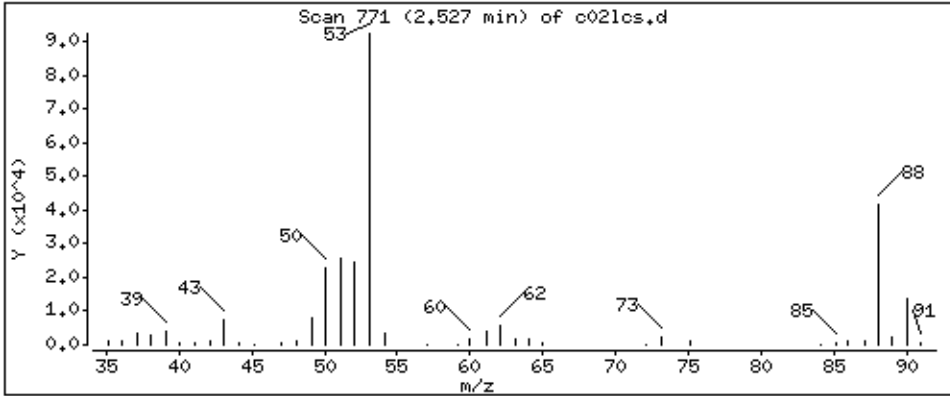
Operator: amv

Column phase: DB-624

Column diameter: 0,18

26 Chloroprene

Concentration: 45,3 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

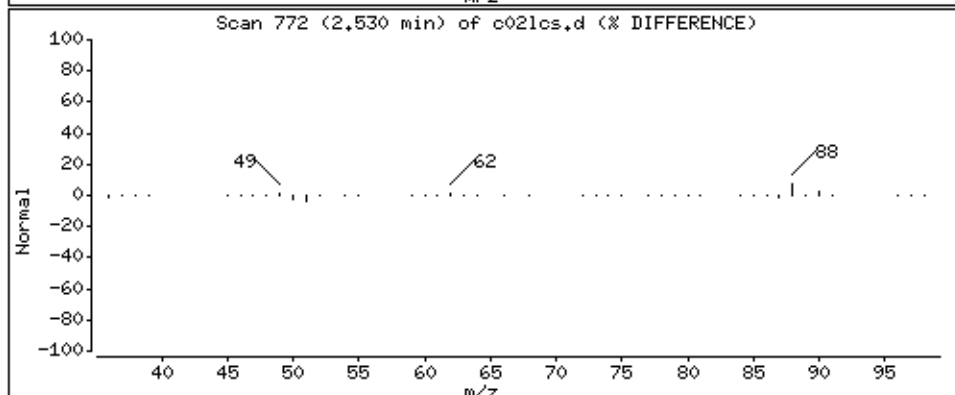
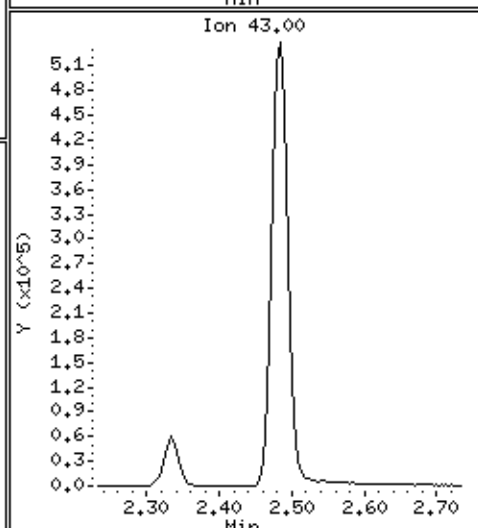
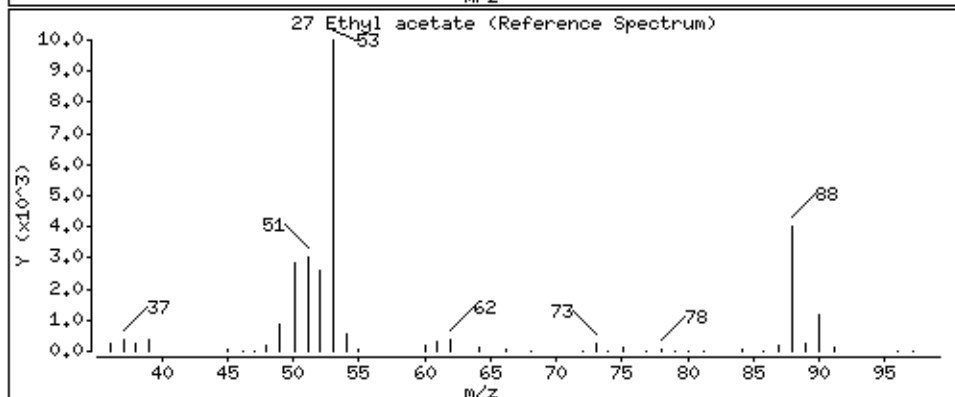
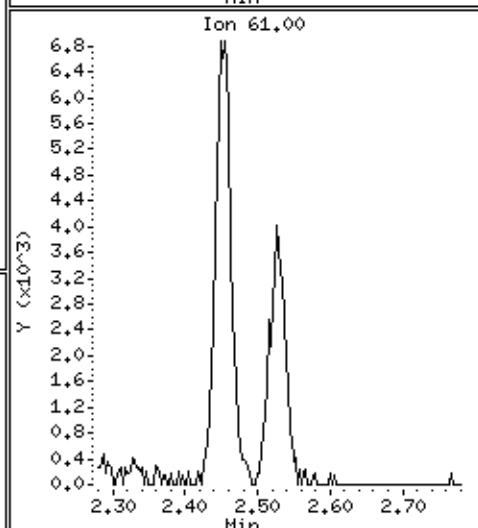
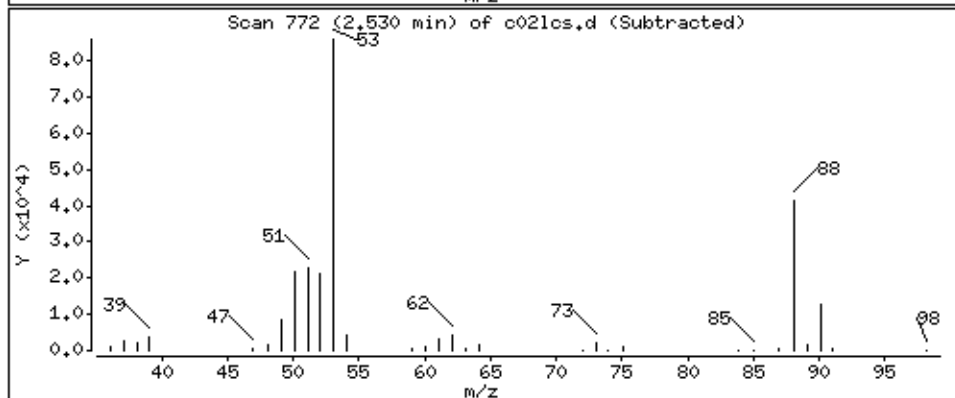
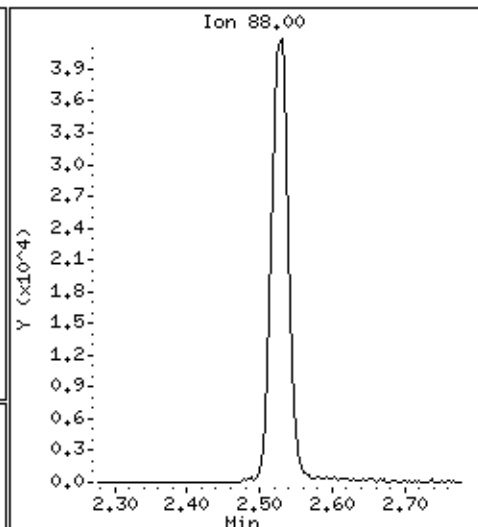
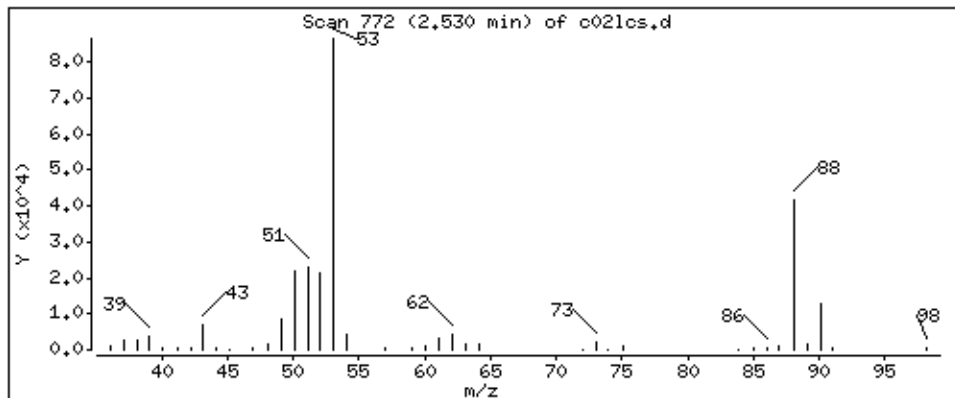
Operator: amv

Column phase: DB-624

Column diameter: 0,18

27 Ethyl acetate

Concentration: 405 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

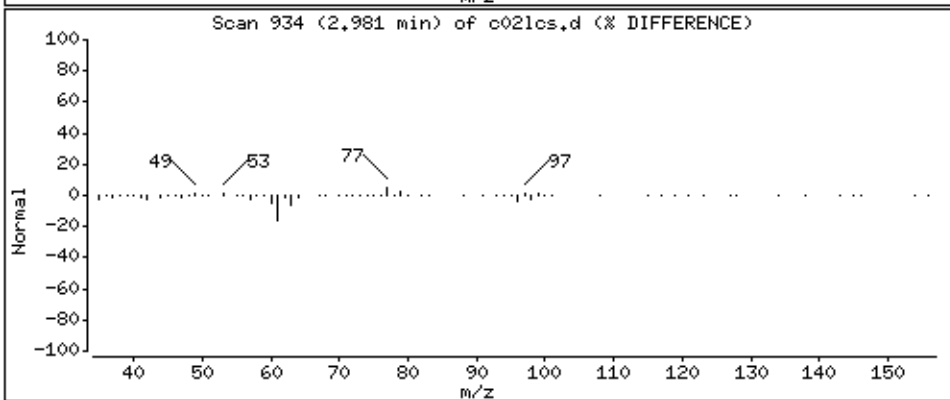
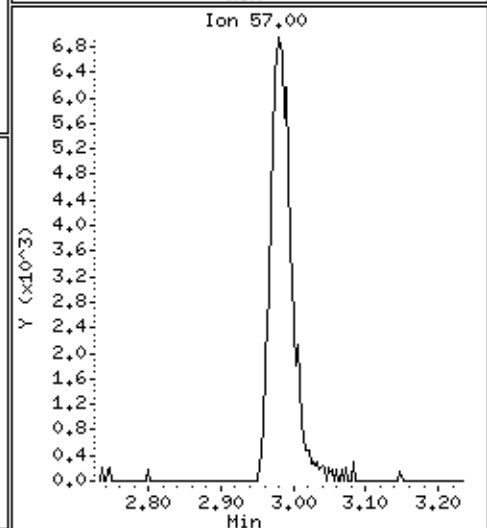
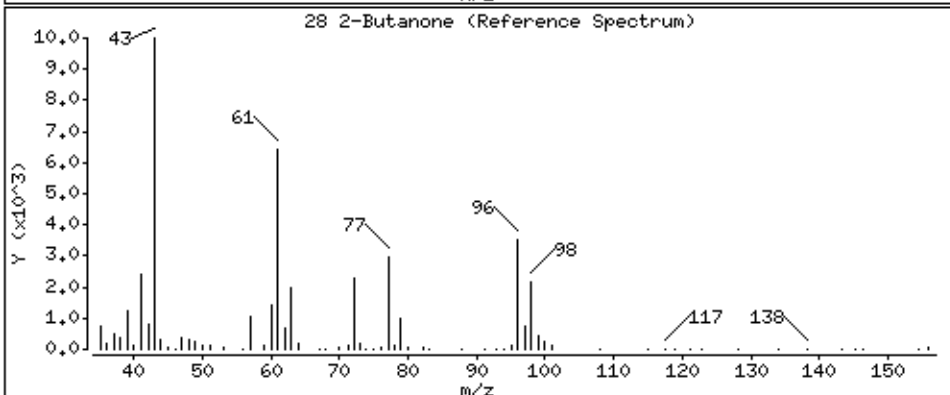
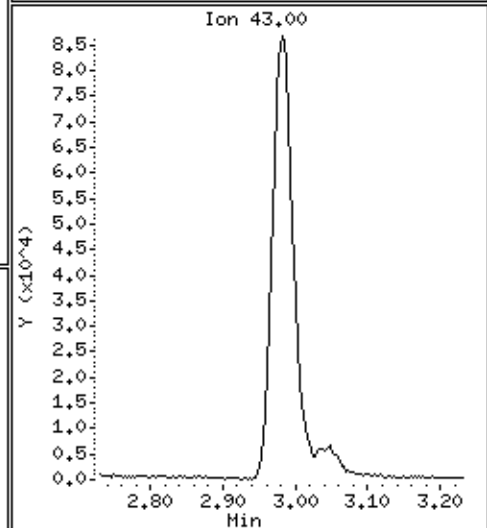
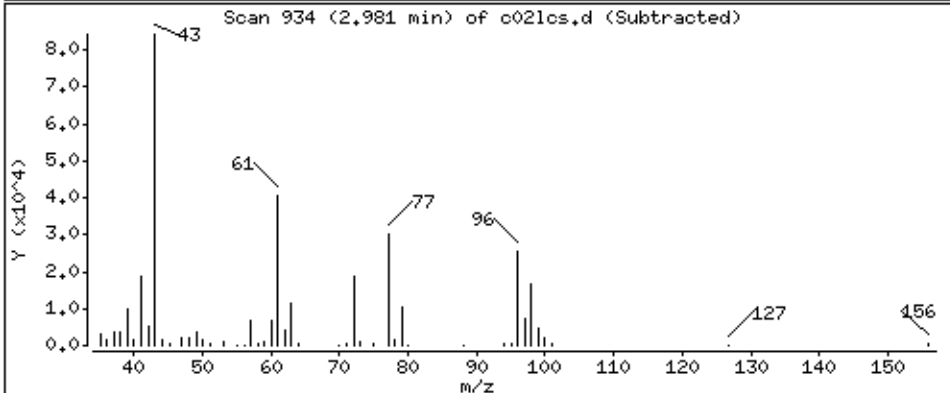
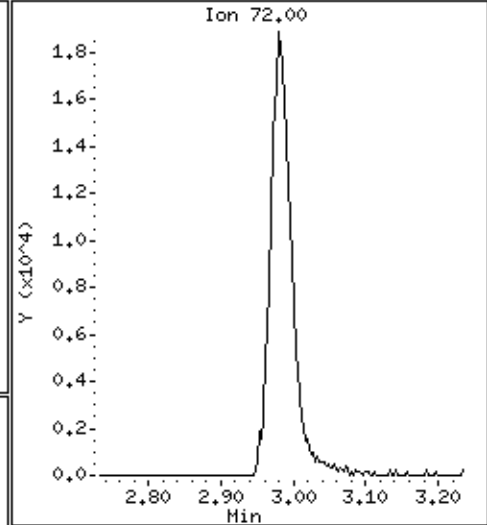
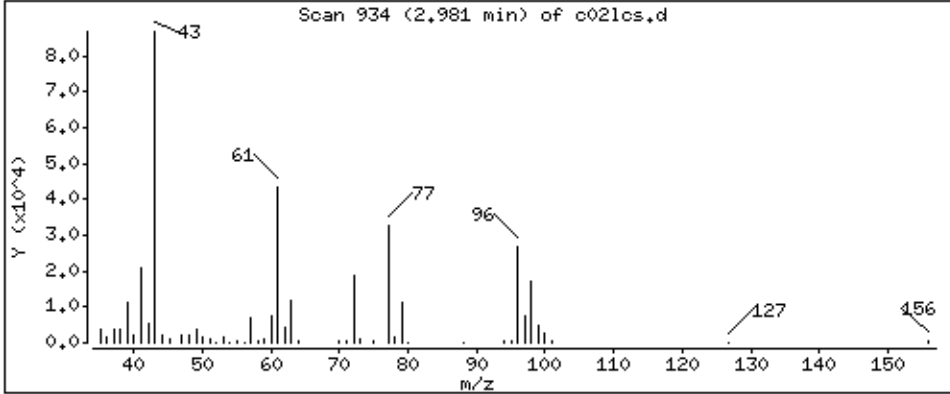
Operator: amv

Column phase: DB-624

Column diameter: 0,18

28 2-Butanone

Concentration: 272 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

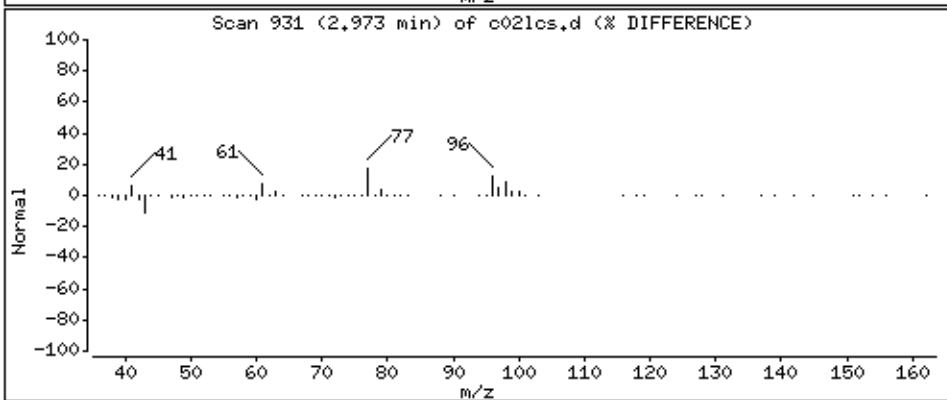
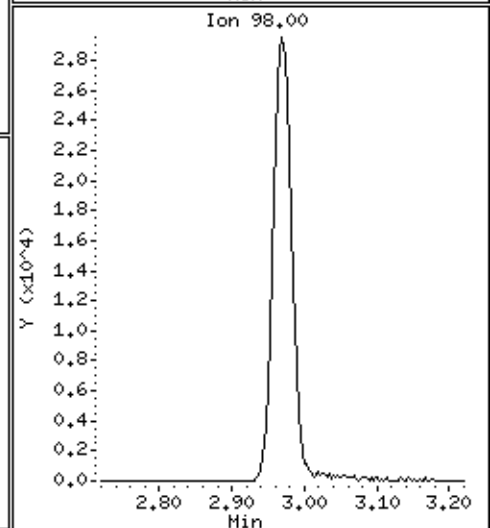
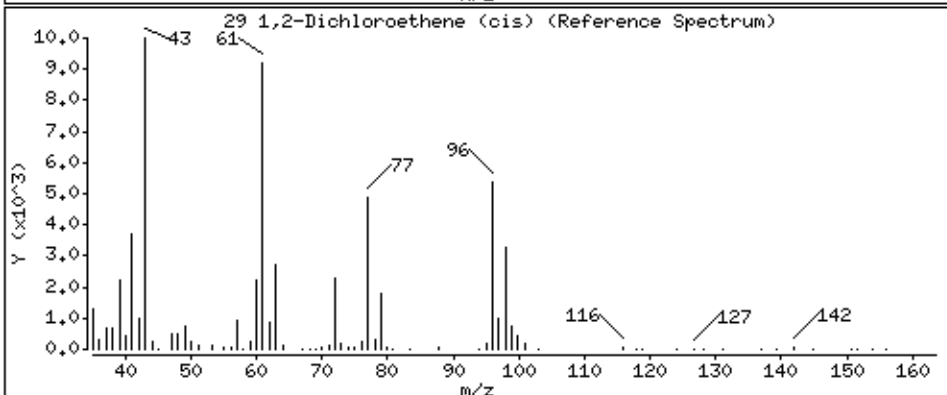
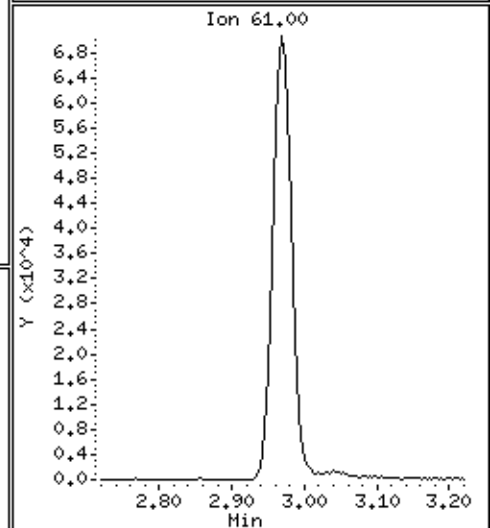
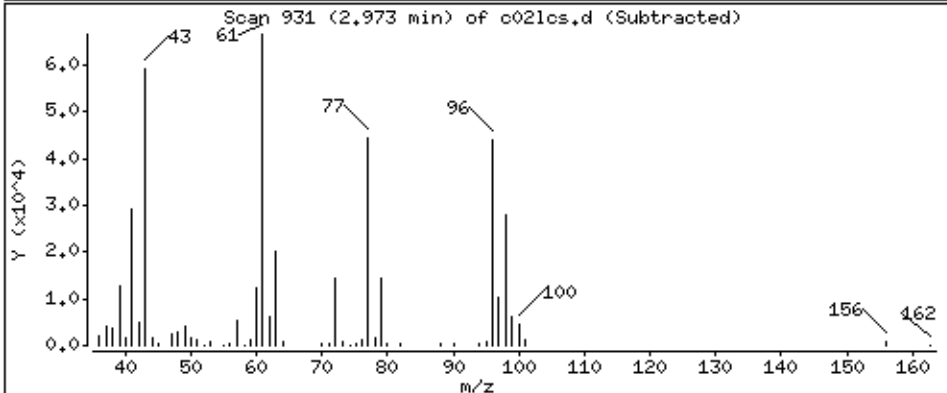
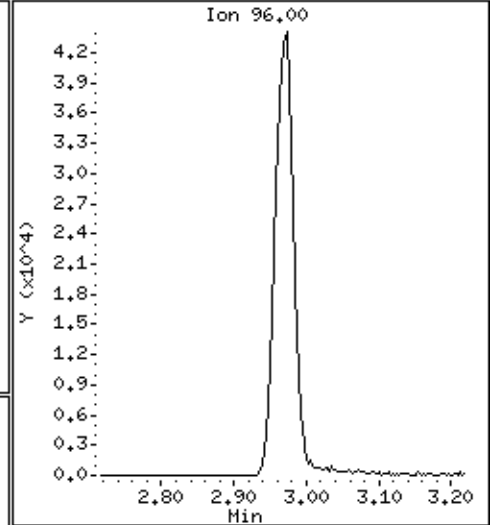
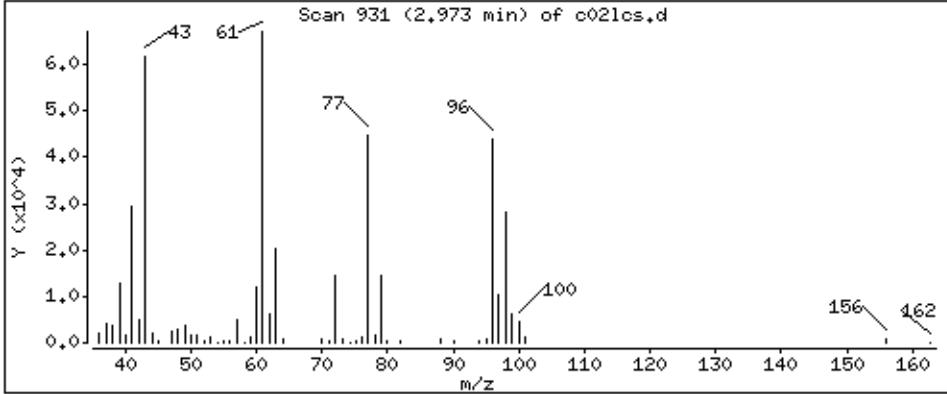
Operator: amv

Column phase: DB-624

Column diameter: 0,18

29 1,2-Dichloroethene (cis)

Concentration: 48,2 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

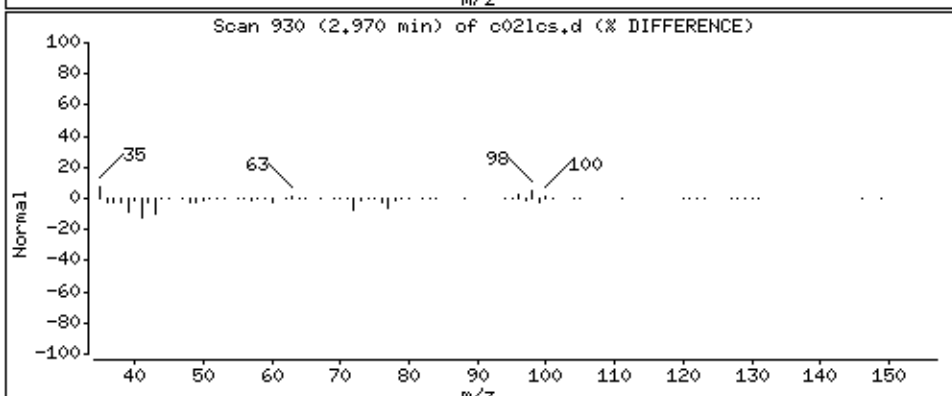
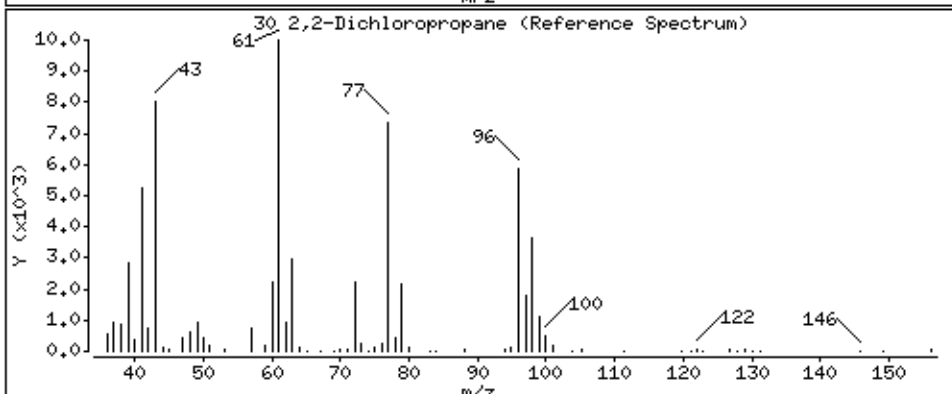
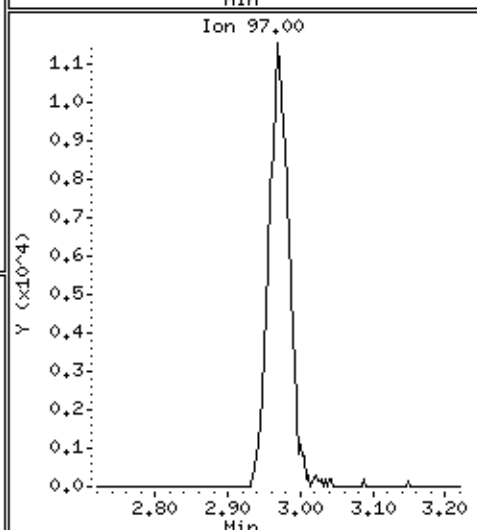
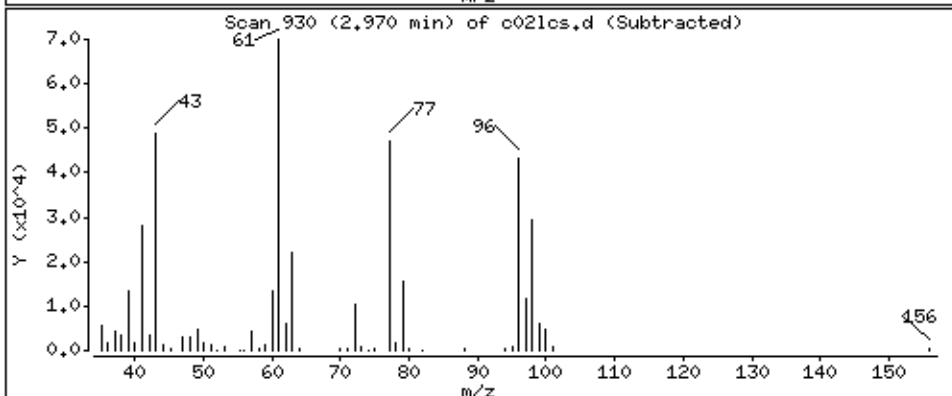
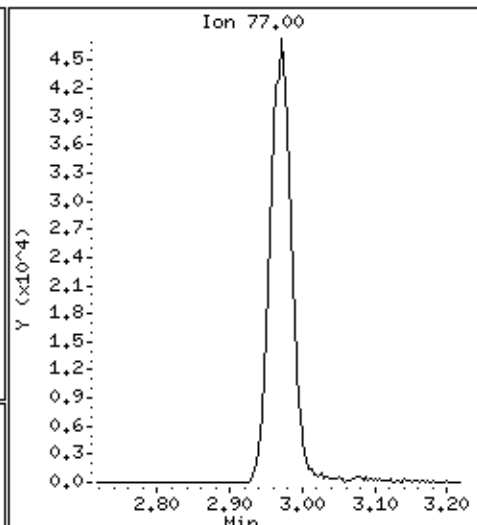
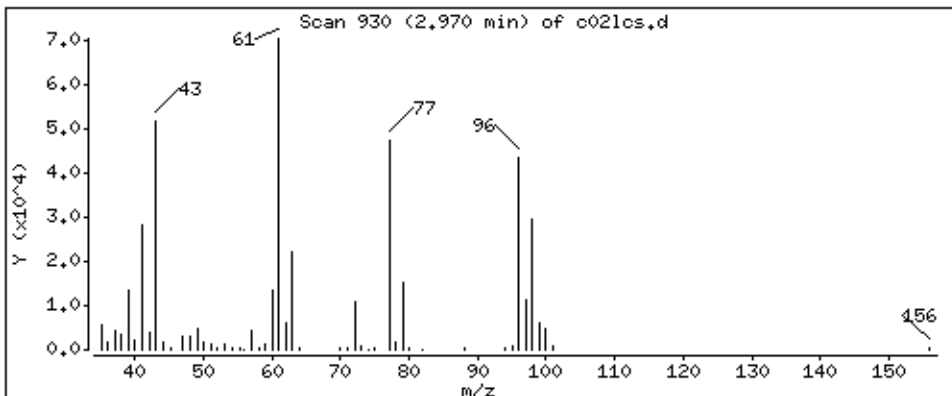
Operator: amv

Column phase: DB-624

Column diameter: 0,18

30 2,2-Dichloropropane

Concentration: 39,7 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

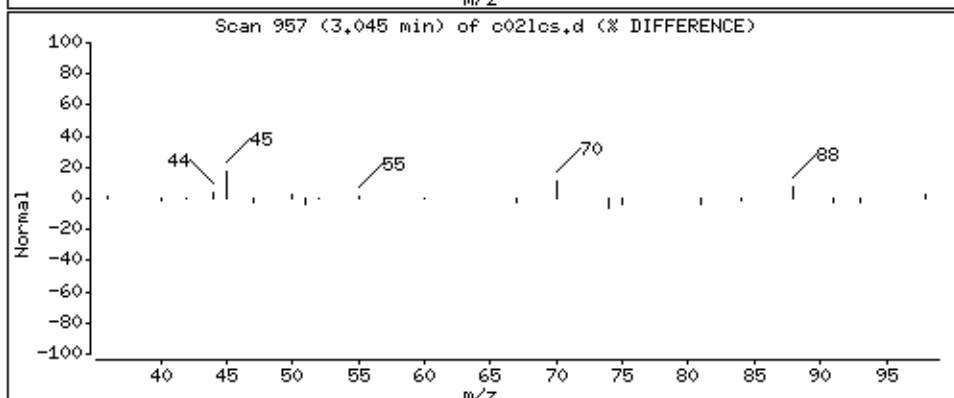
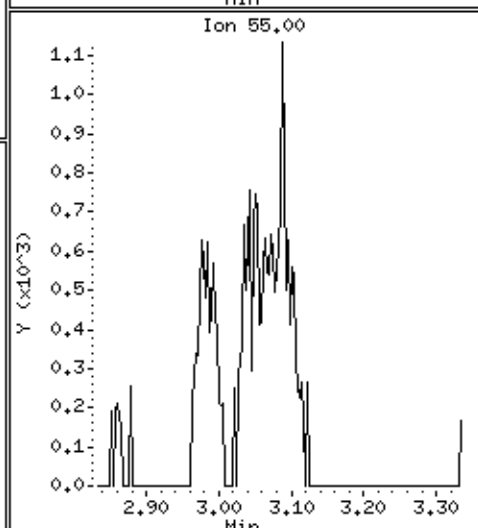
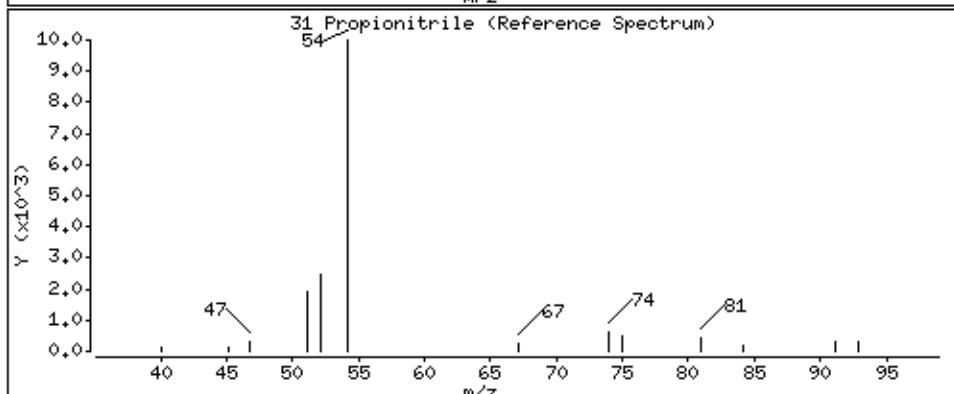
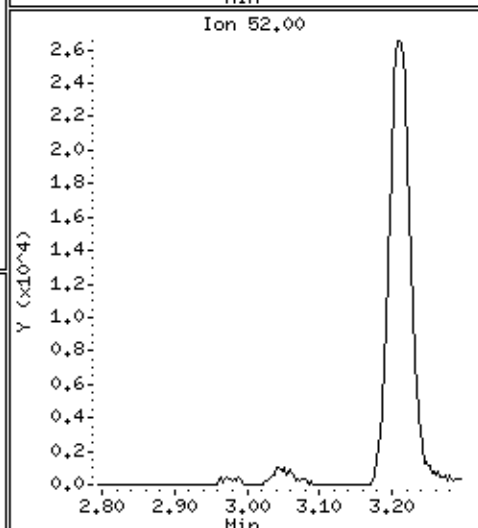
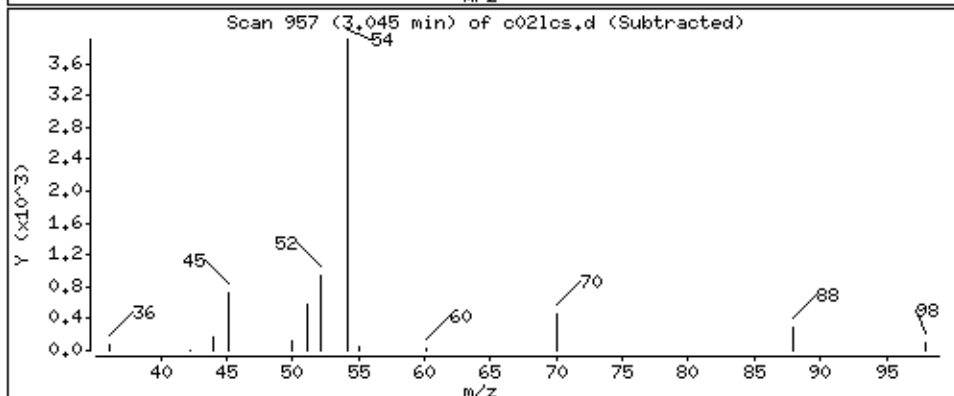
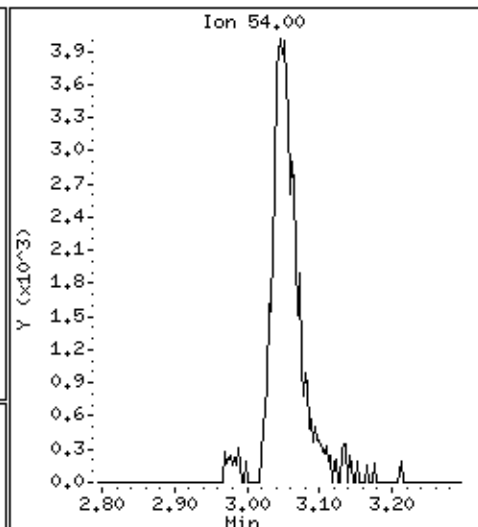
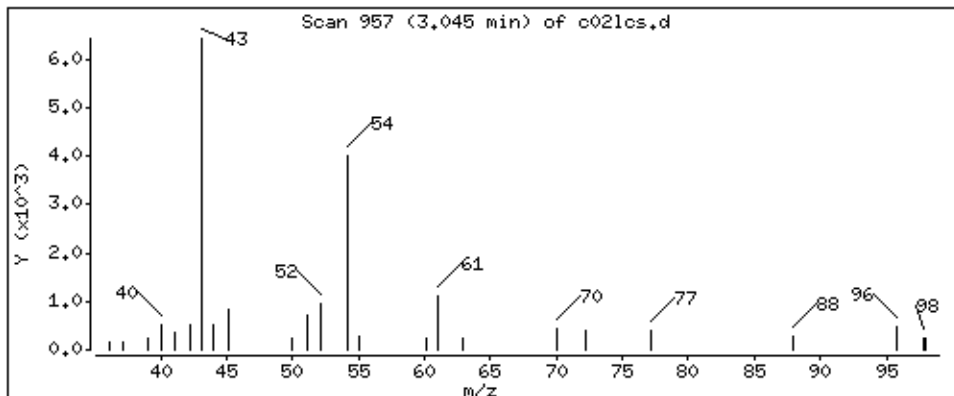
Operator: amv

Column phase: DB-624

Column diameter: 0,18

31 Propionitrile

Concentration: 46,5 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

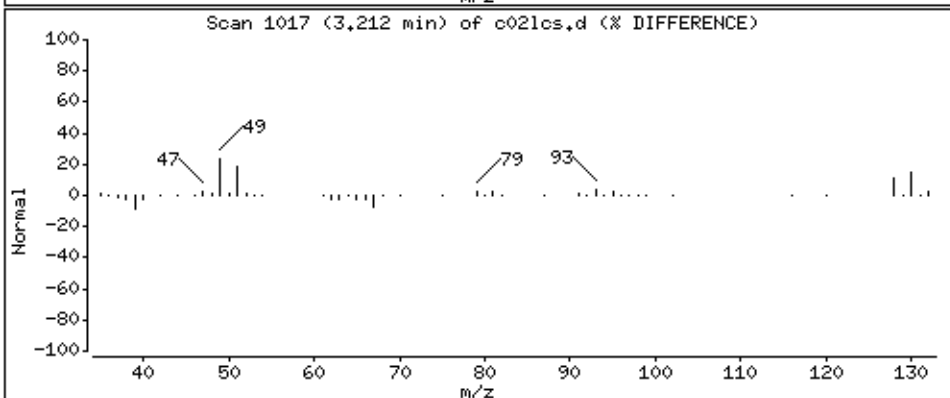
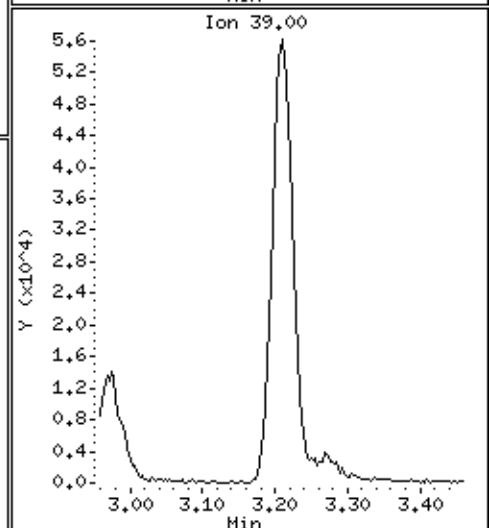
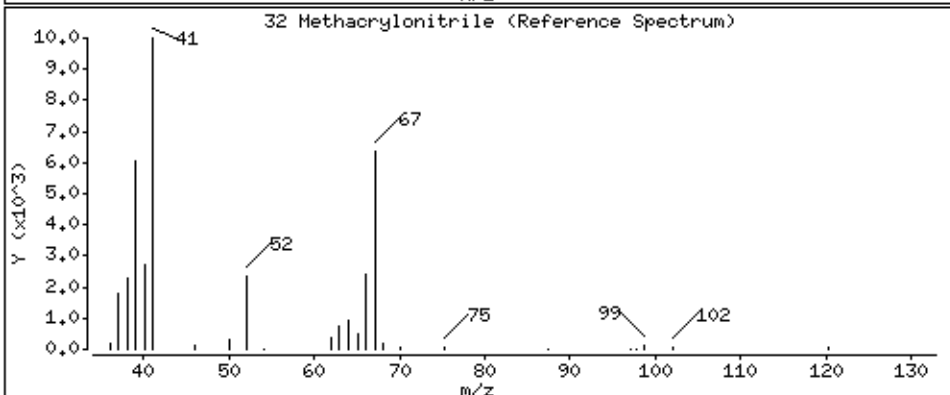
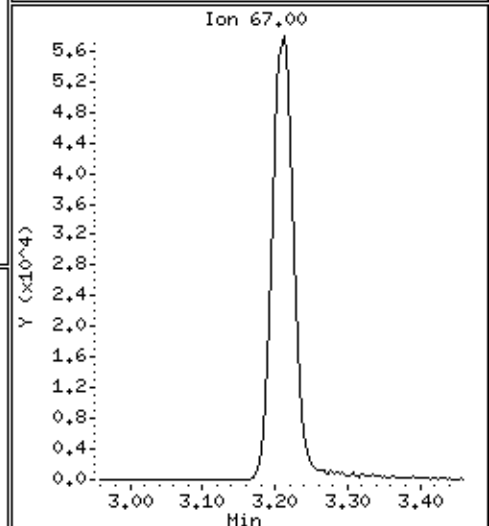
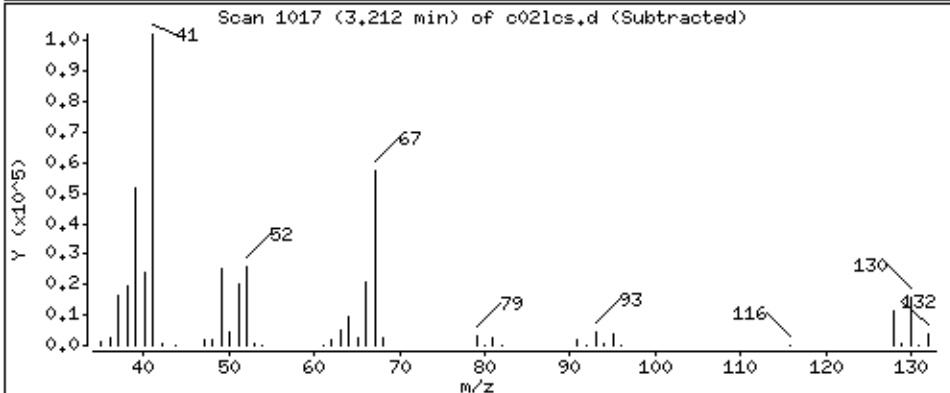
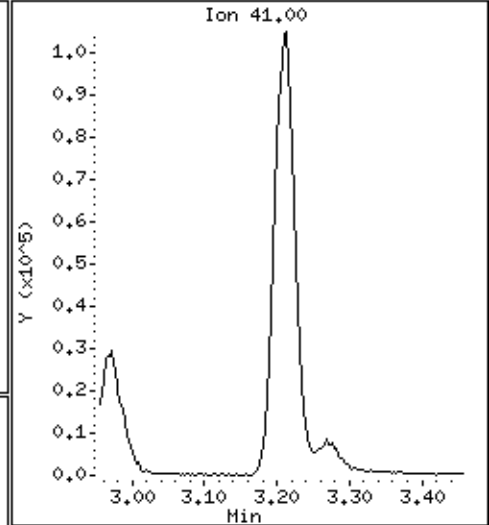
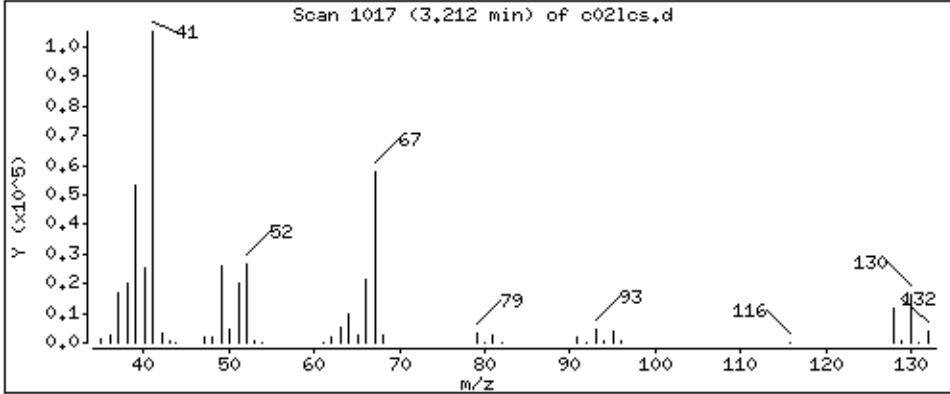
Operator: amv

Column phase: DB-624

Column diameter: 0,18

32 Methacrylonitrile

Concentration: 193 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

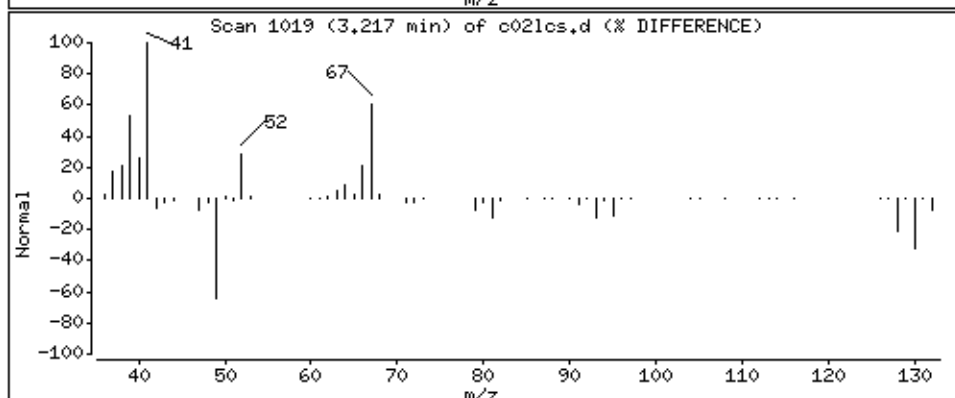
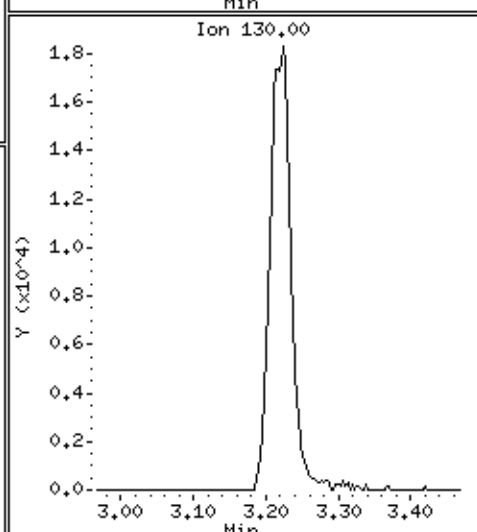
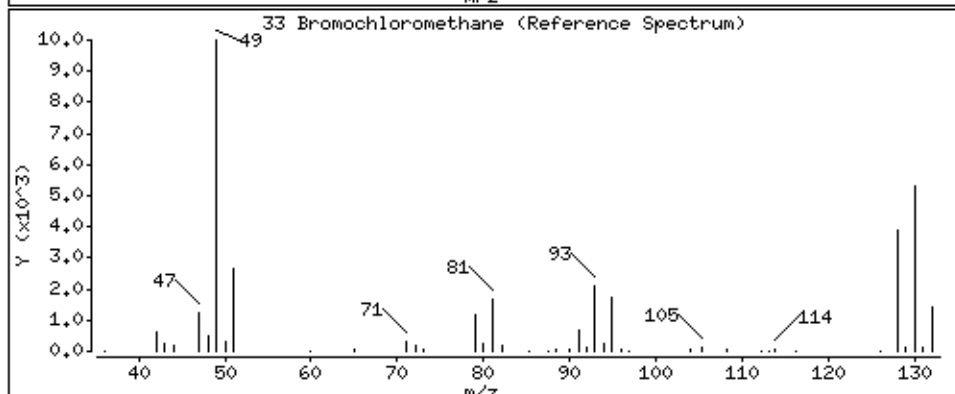
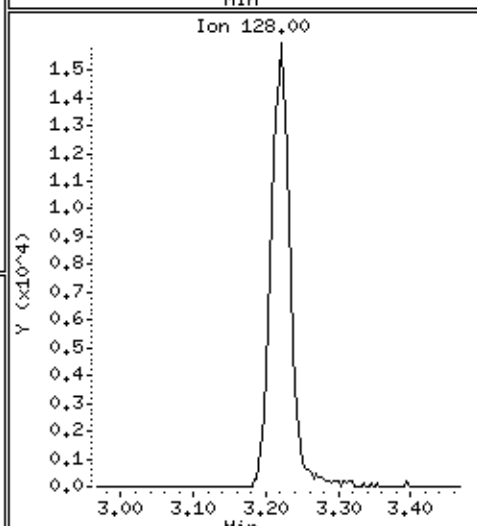
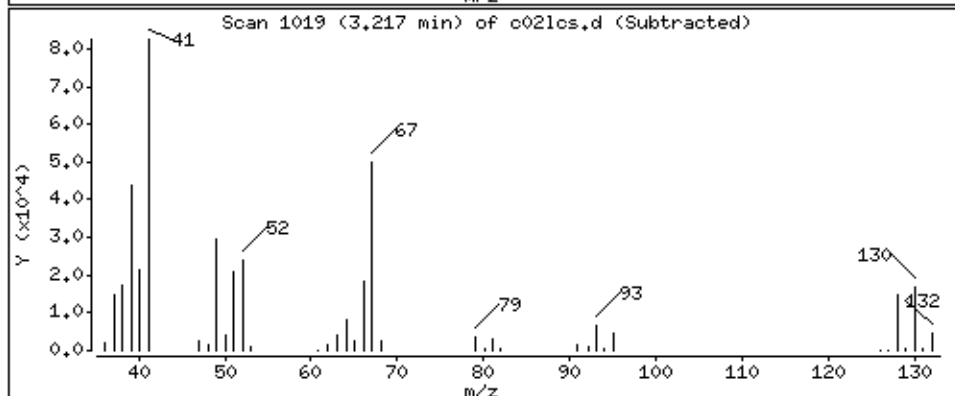
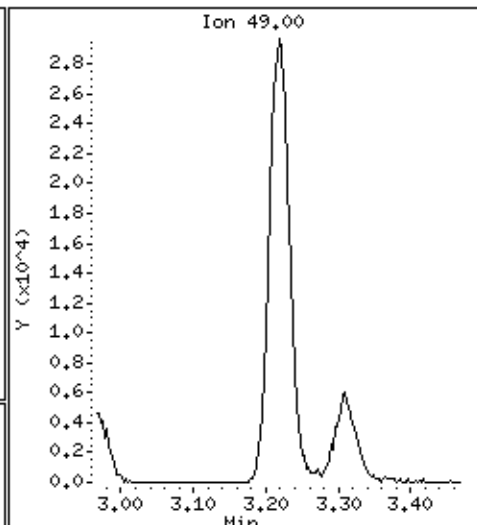
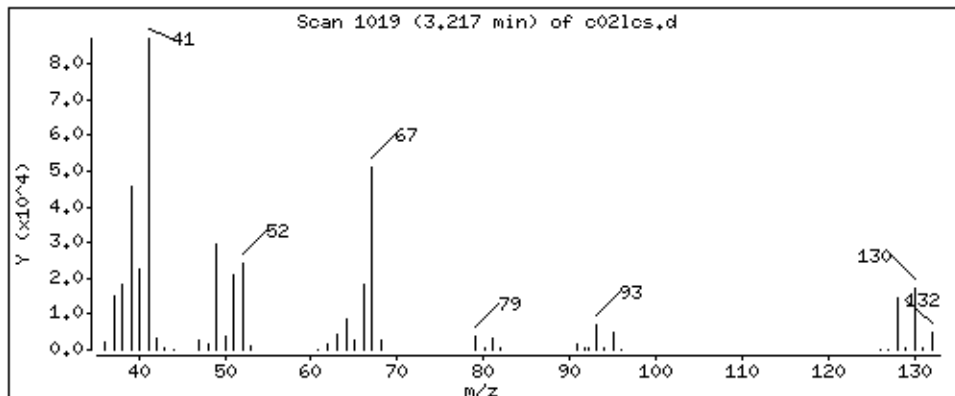
Operator: amv

Column phase: DB-624

Column diameter: 0,18

33 Bromochloromethane

Concentration: 44,4 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

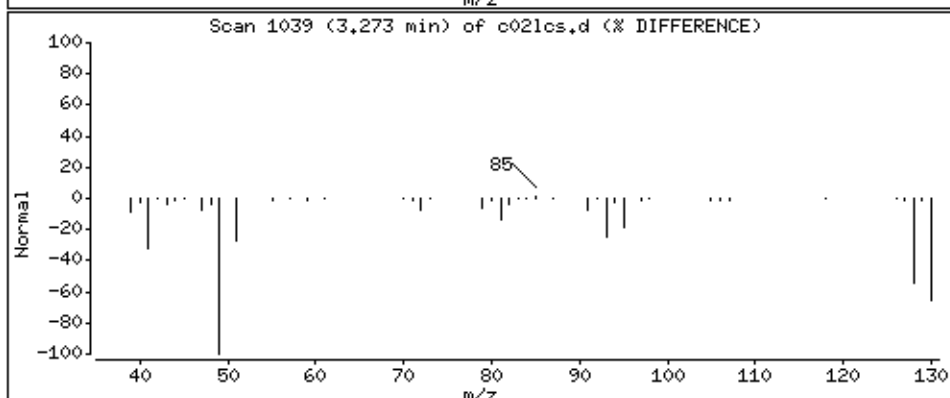
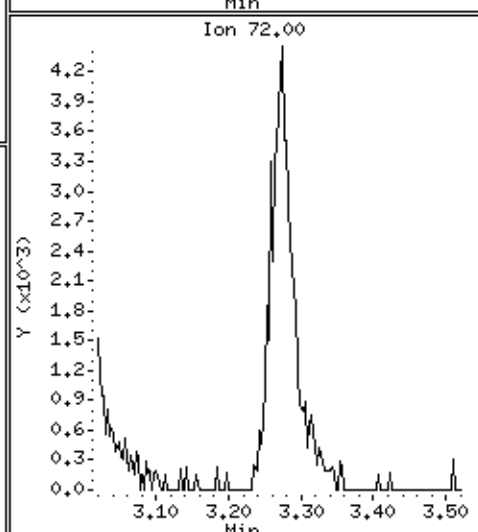
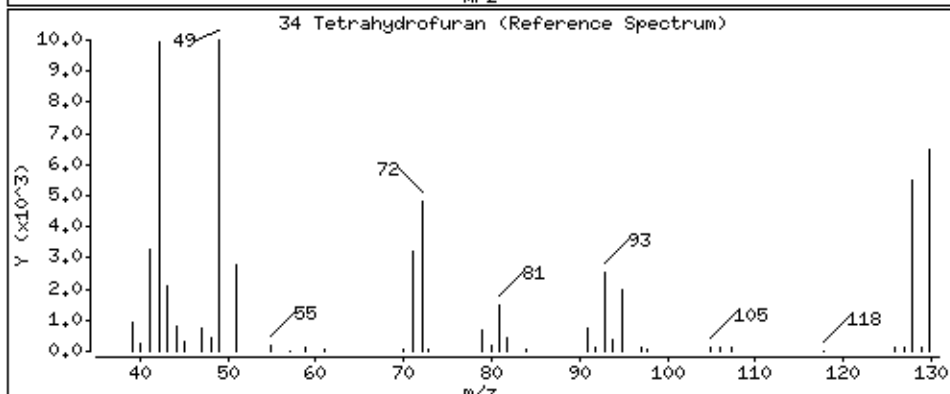
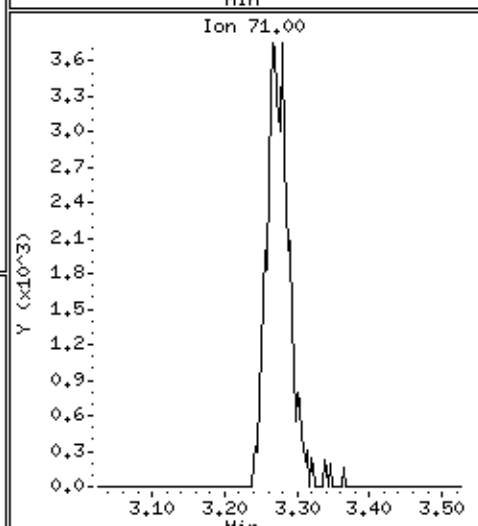
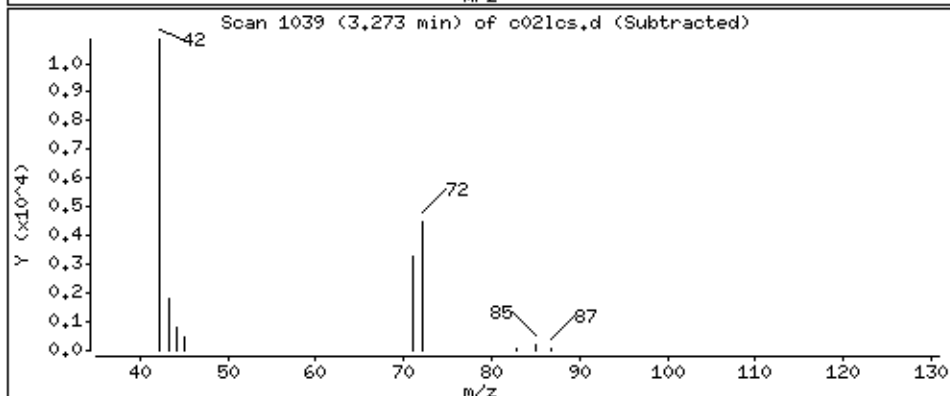
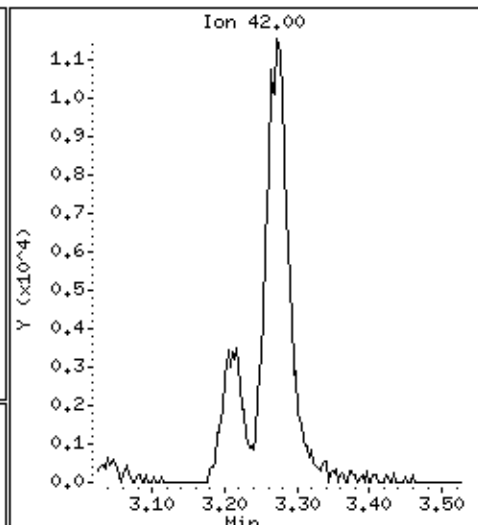
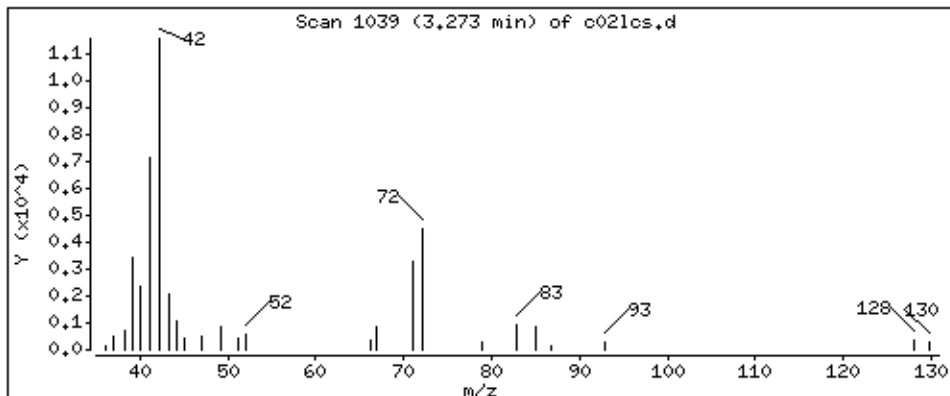
Operator: amv

Column phase: DB-624

Column diameter: 0,18

34 Tetrahydrofuran

Concentration: 47.4 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

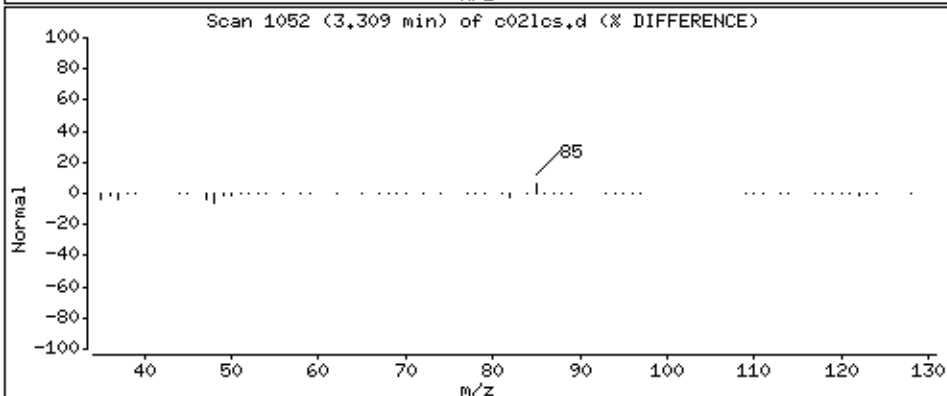
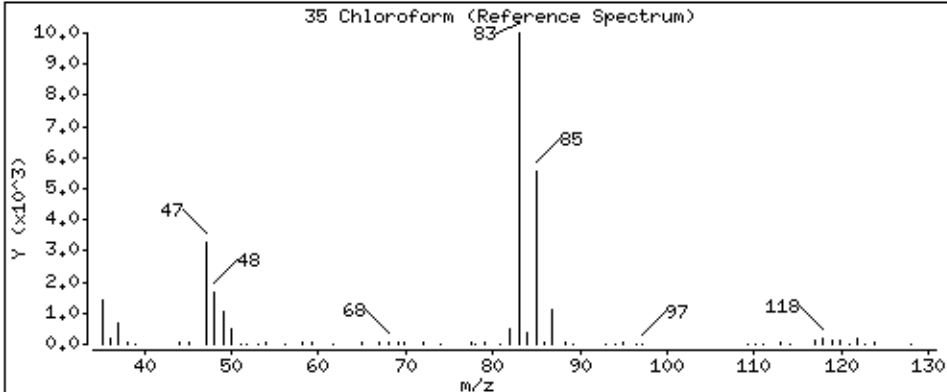
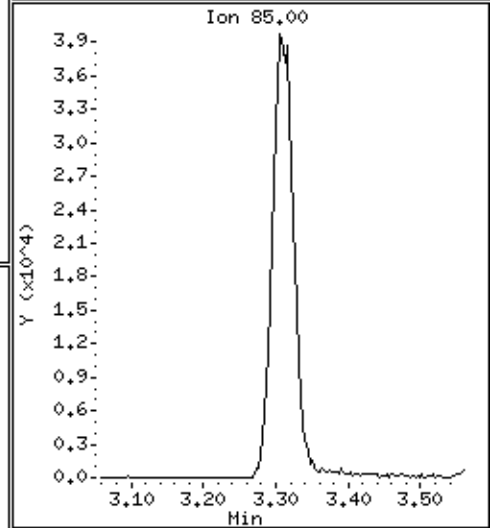
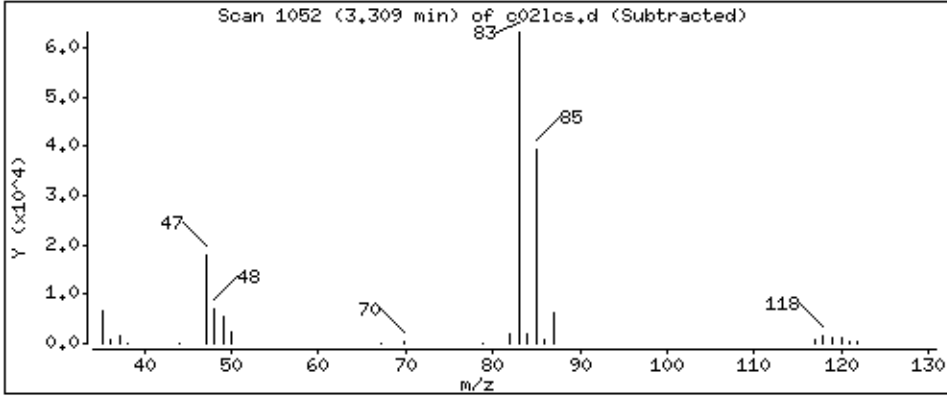
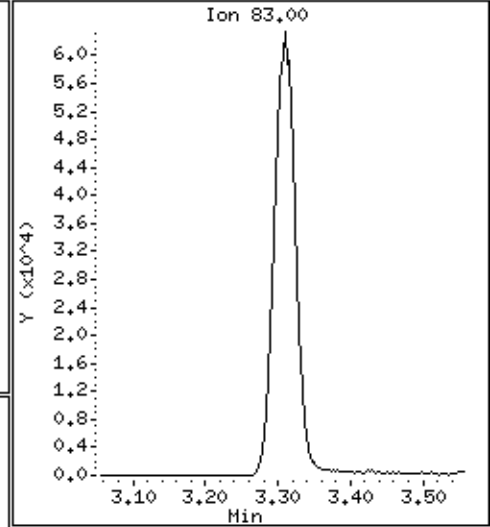
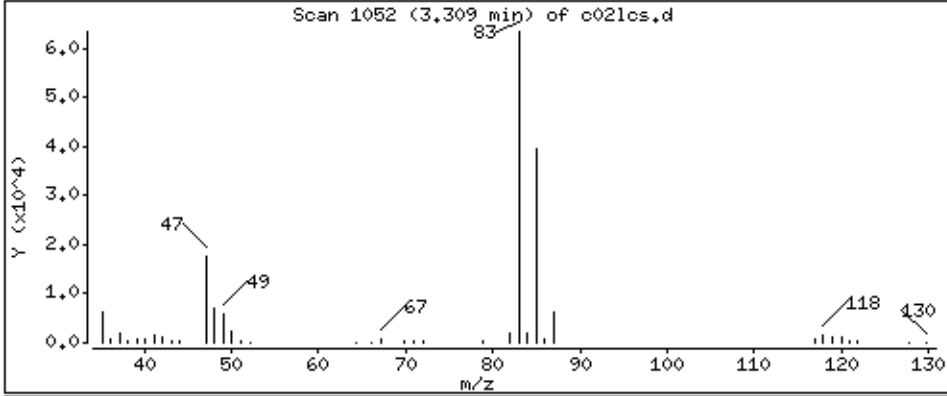
Operator: amv

Column phase: DB-624

Column diameter: 0,18

35 Chloroform

Concentration: 46,4 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

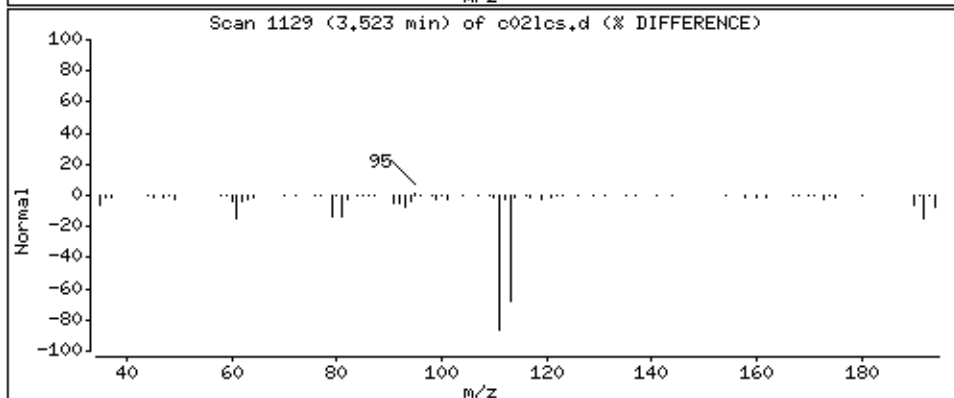
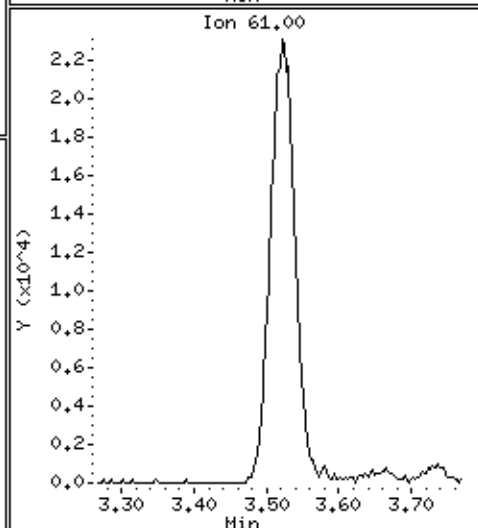
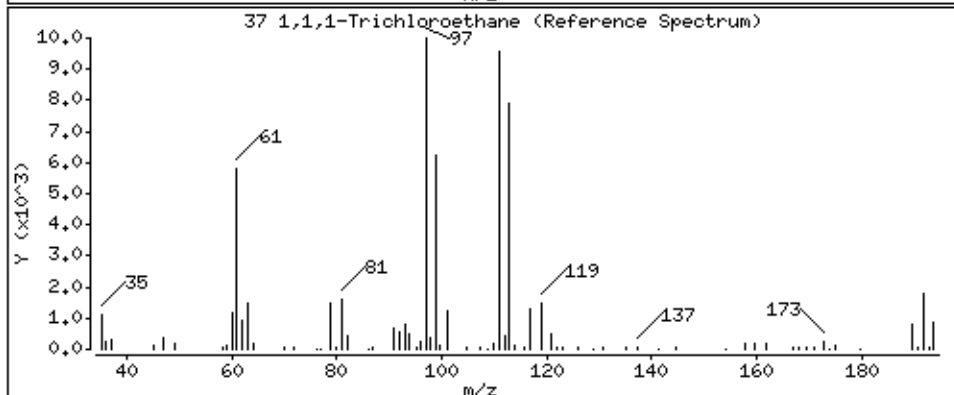
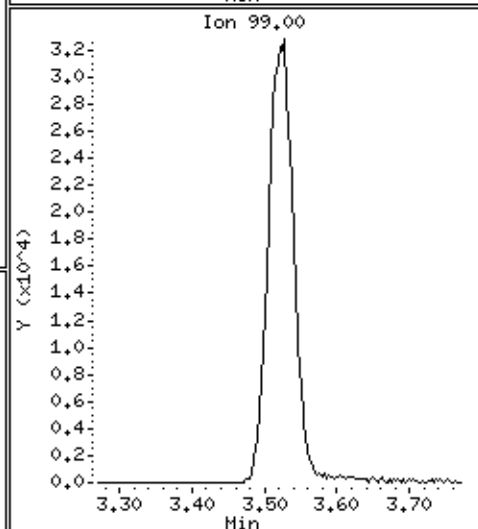
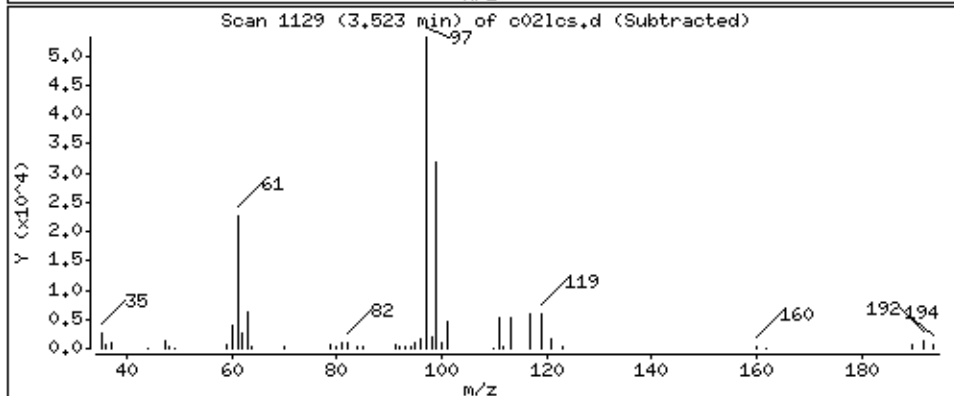
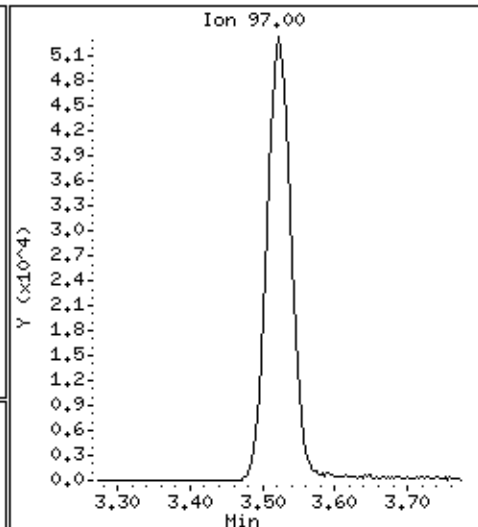
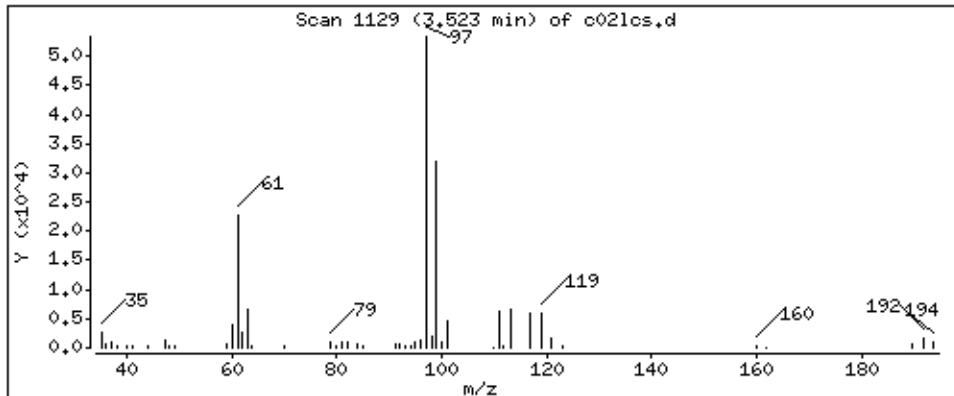
Operator: amv

Column phase: DB-624

Column diameter: 0,18

37 1,1,1-Trichloroethane

Concentration: 52.2 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

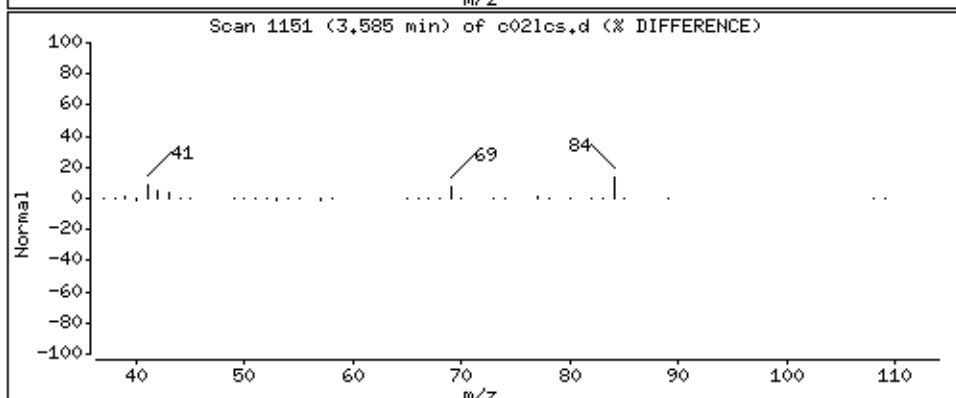
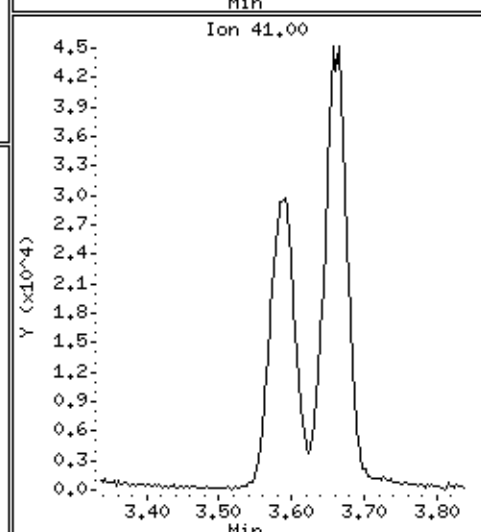
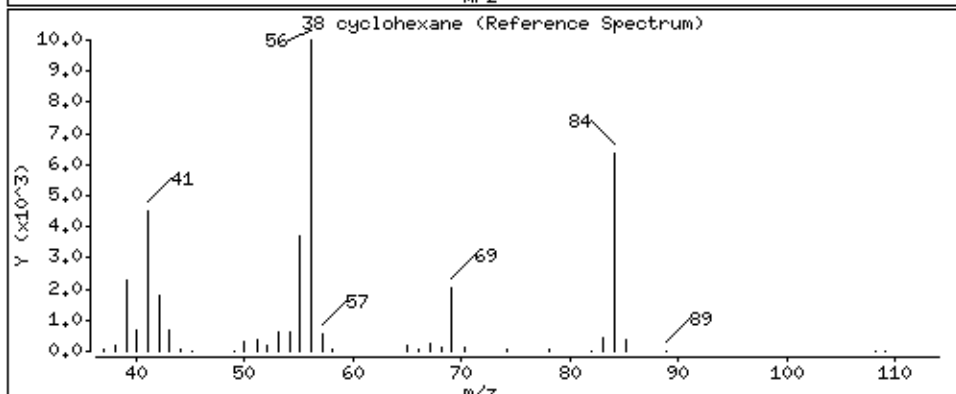
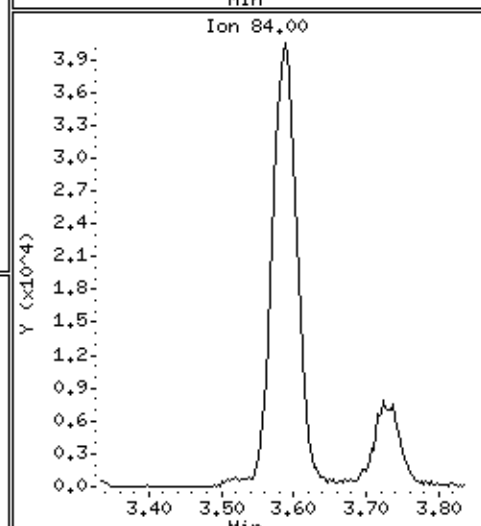
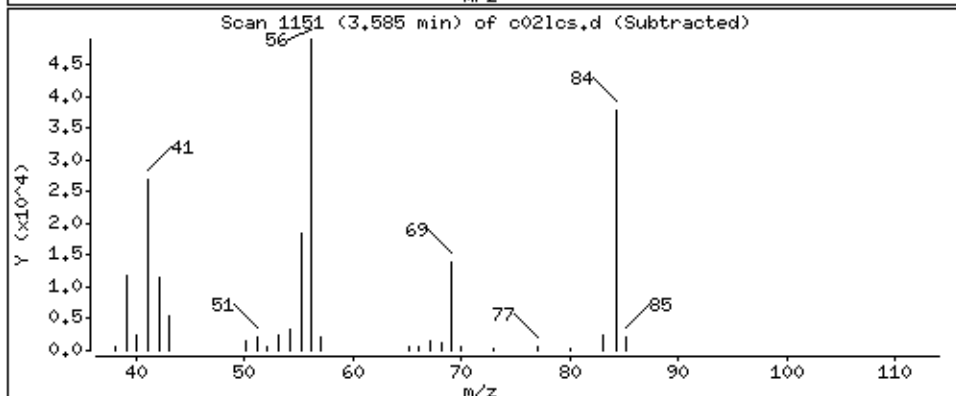
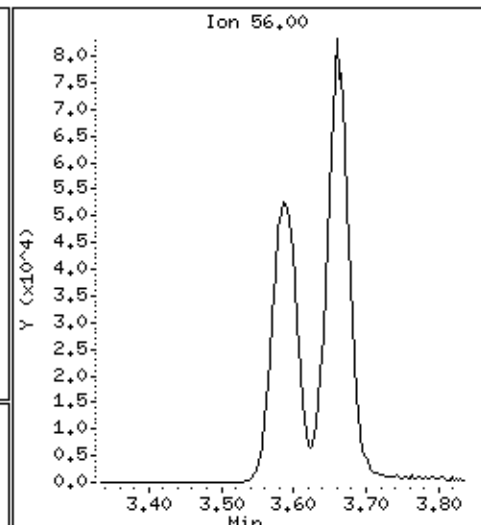
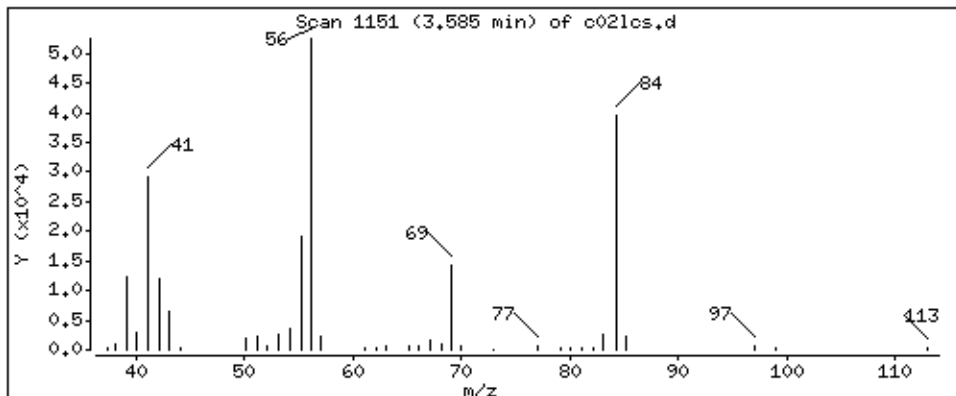
Operator: amv

Column phase: DB-624

Column diameter: 0,18

38 cyclohexane

Concentration: 38,6 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

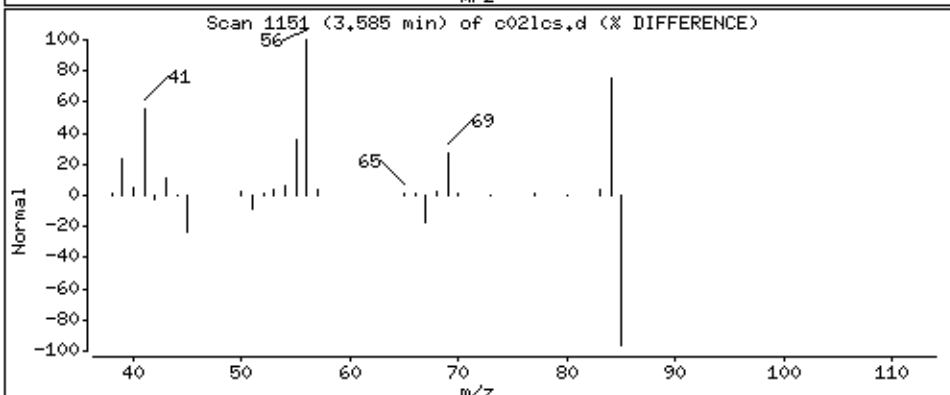
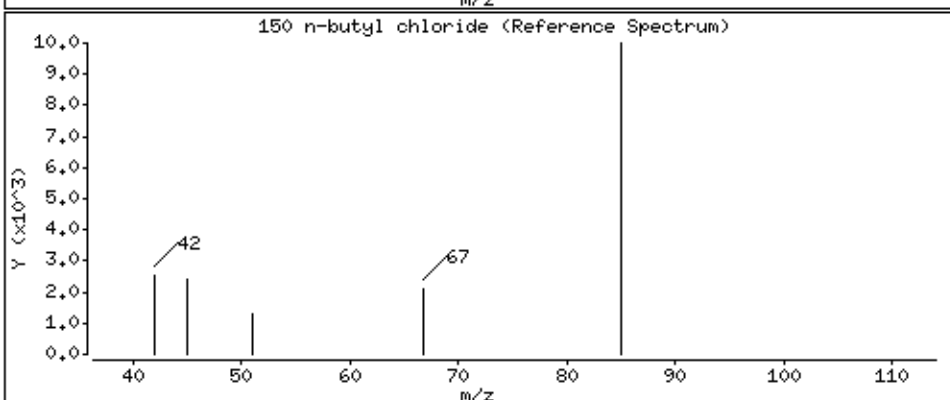
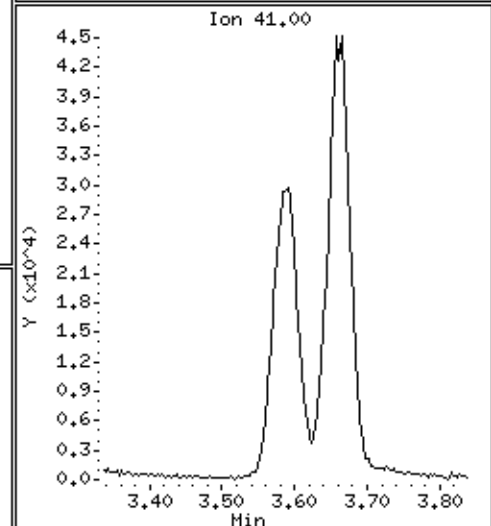
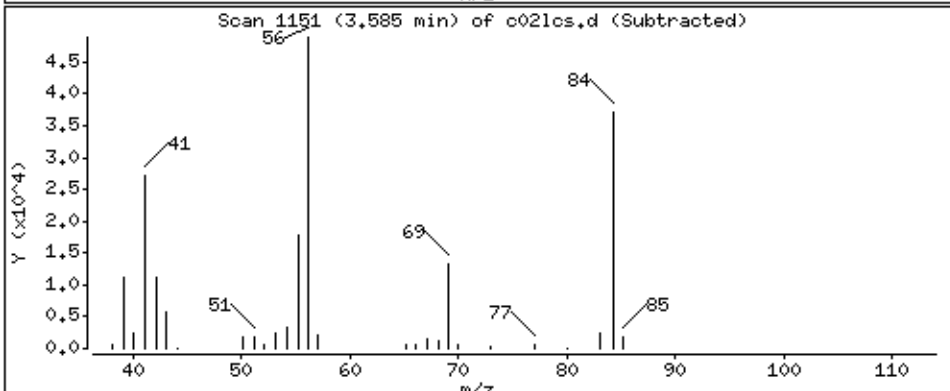
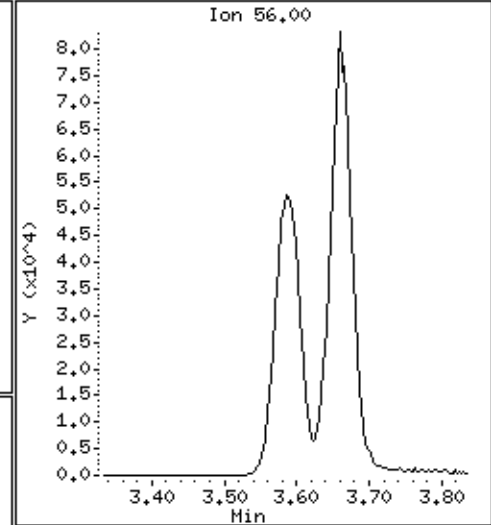
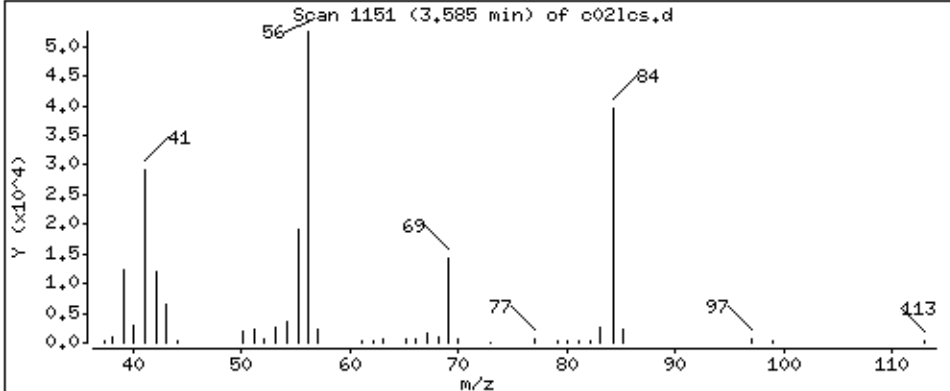
Operator: amv

Column phase: DB-624

Column diameter: 0,18

150 n-butyl chloride

Concentration: 31.8 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

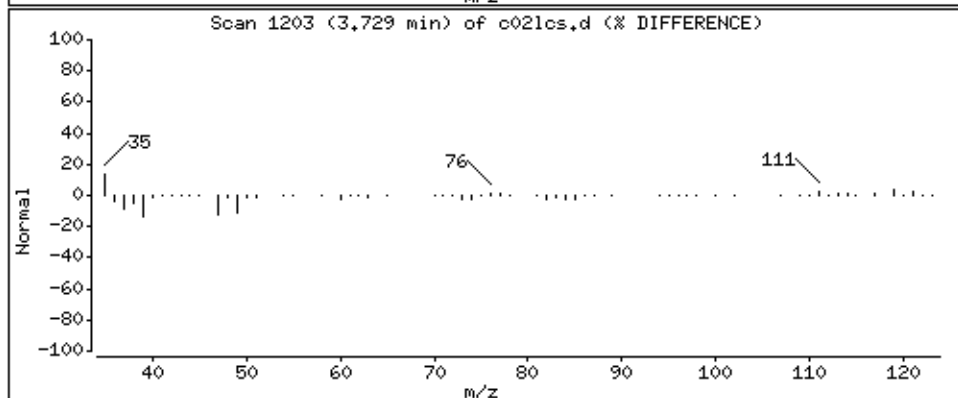
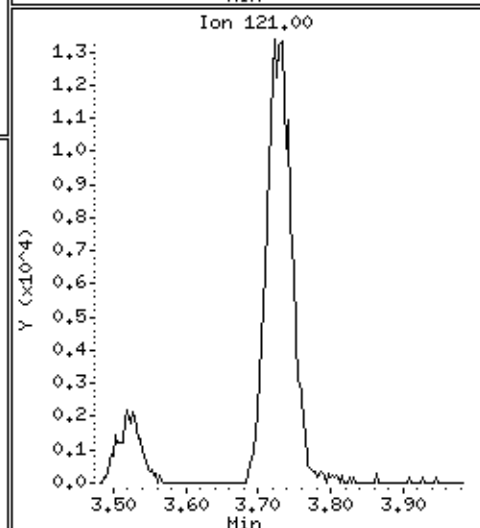
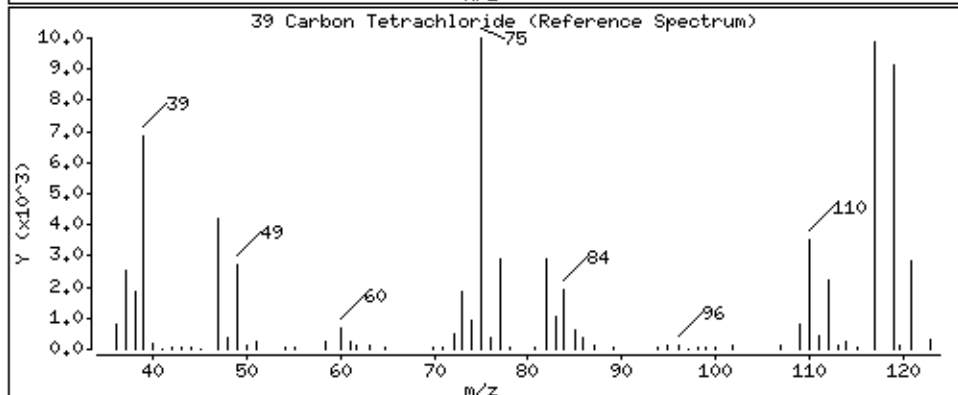
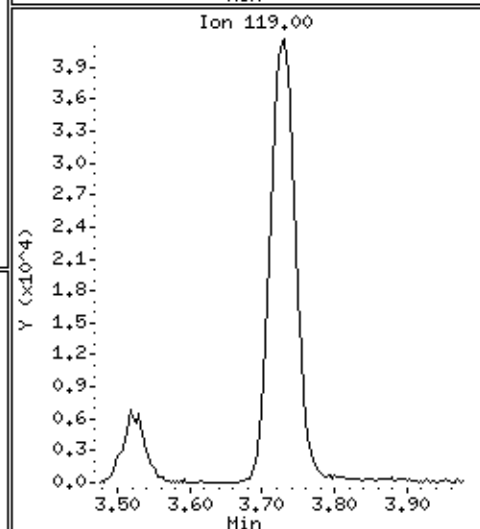
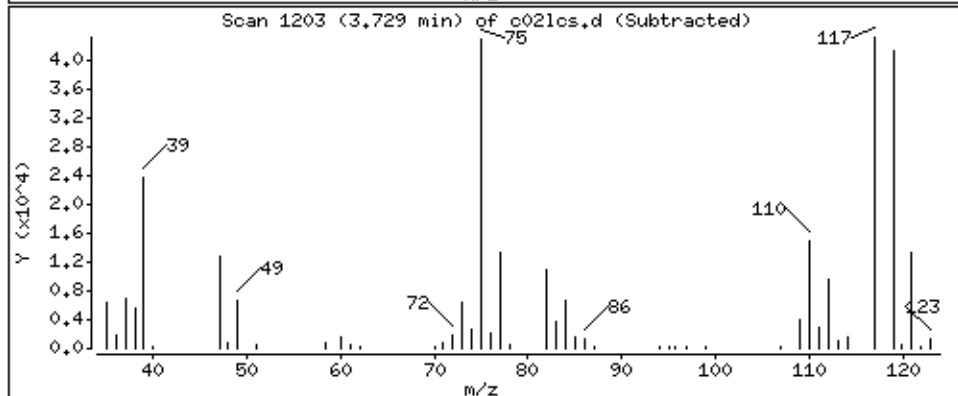
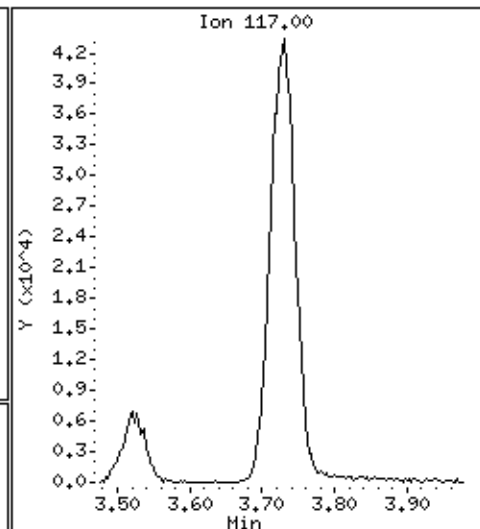
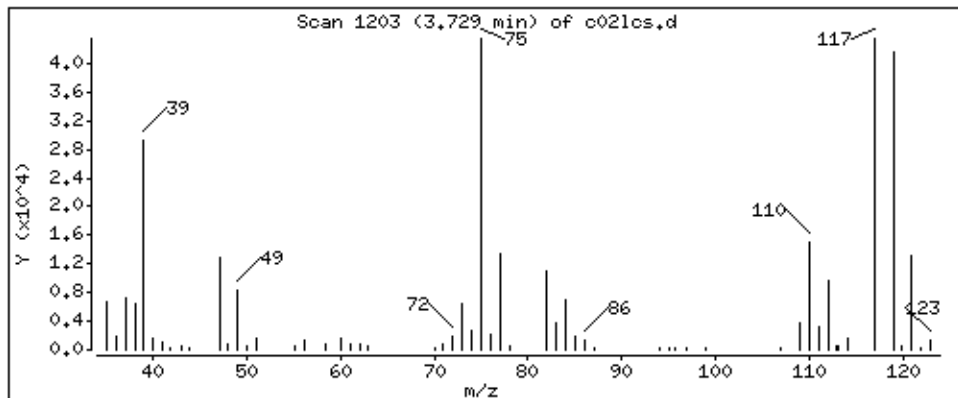
Operator: amv

Column phase: DB-624

Column diameter: 0,18

39 Carbon Tetrachloride

Concentration: 49.3 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

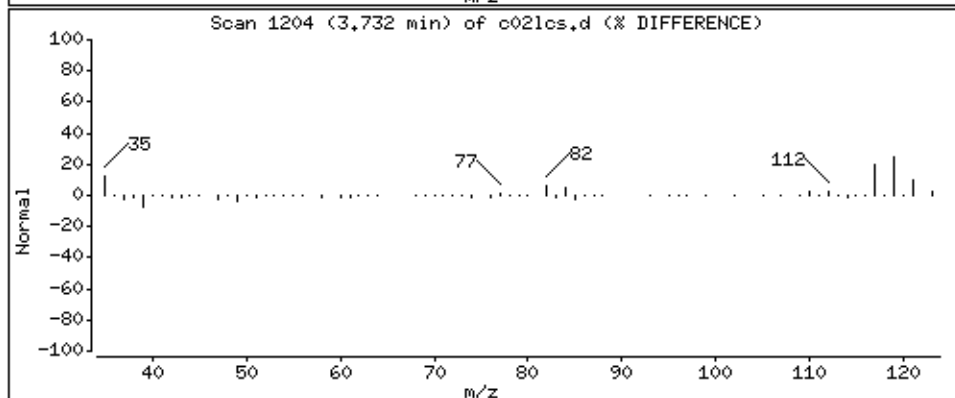
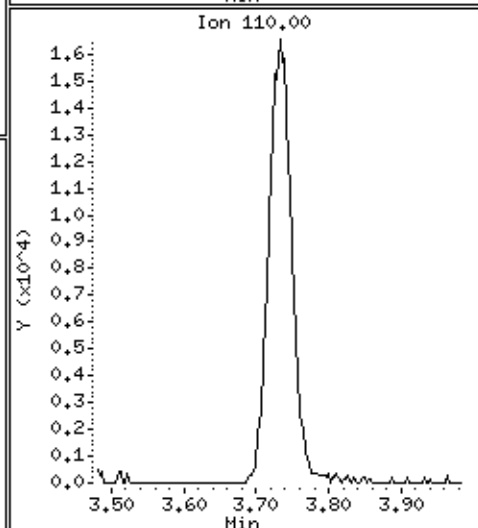
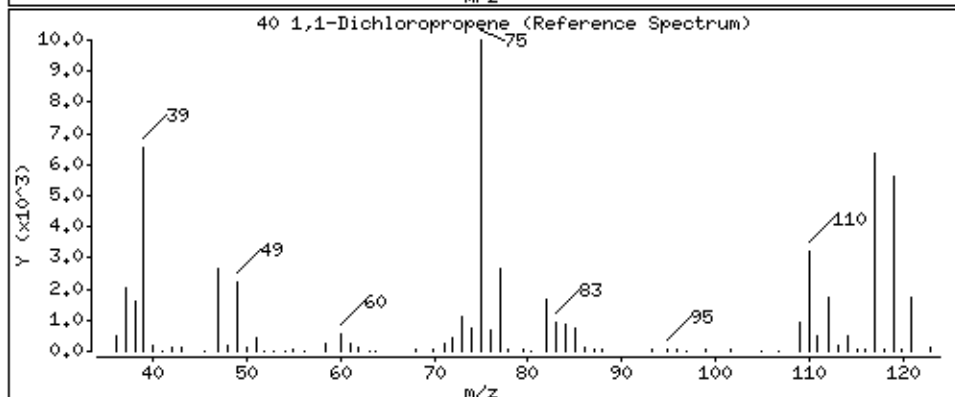
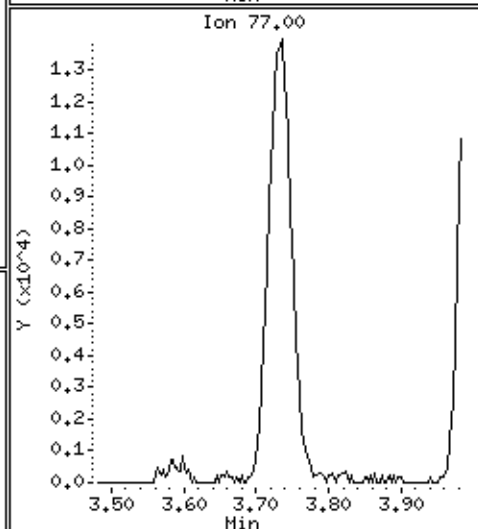
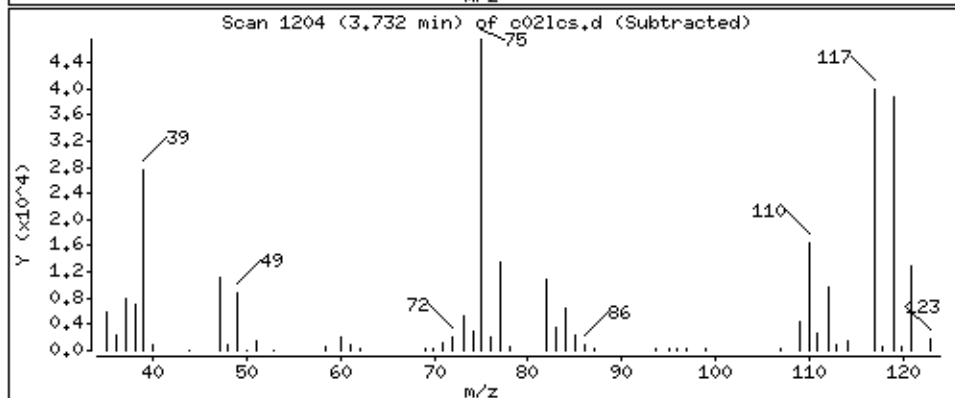
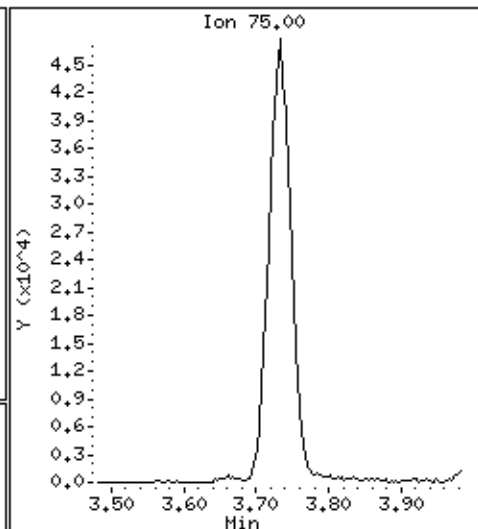
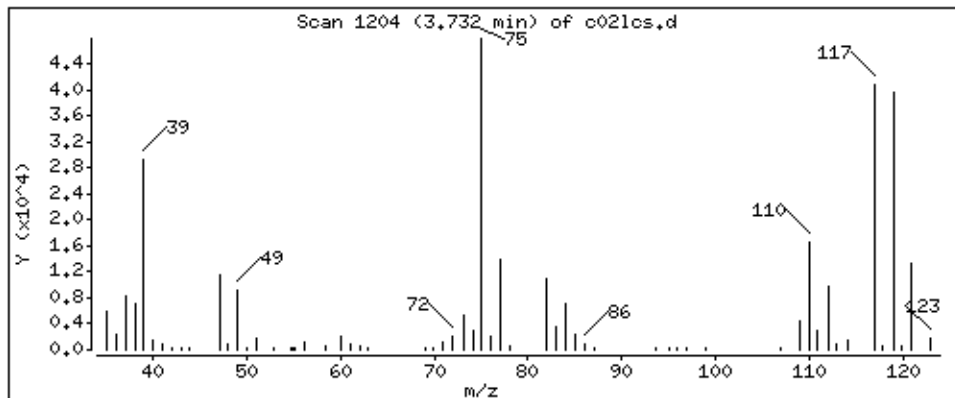
Operator: amv

Column phase: DB-624

Column diameter: 0,18

40 1,1-Dichloropropene

Concentration: 49,5 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

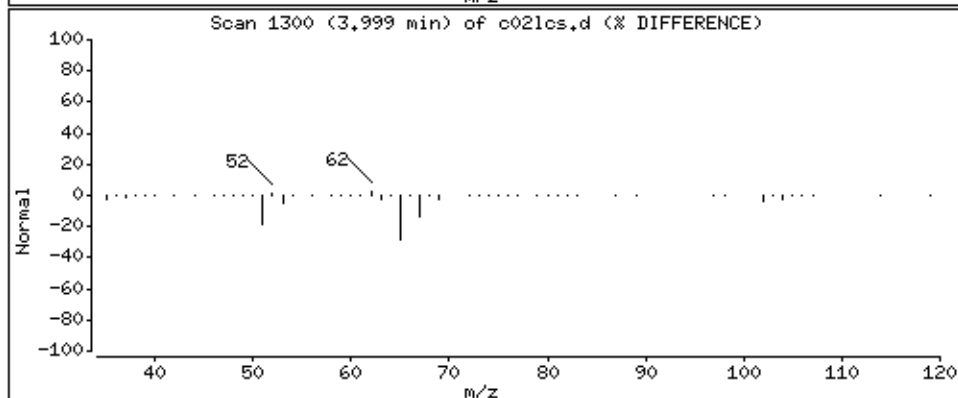
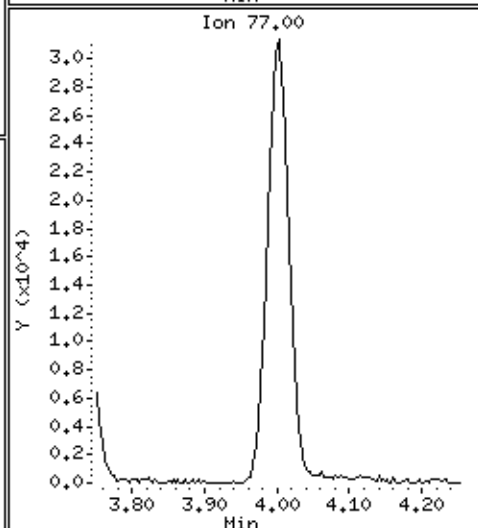
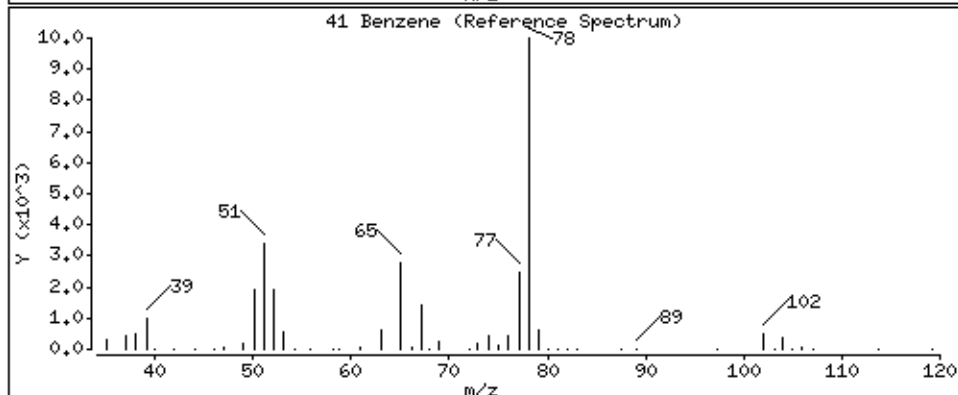
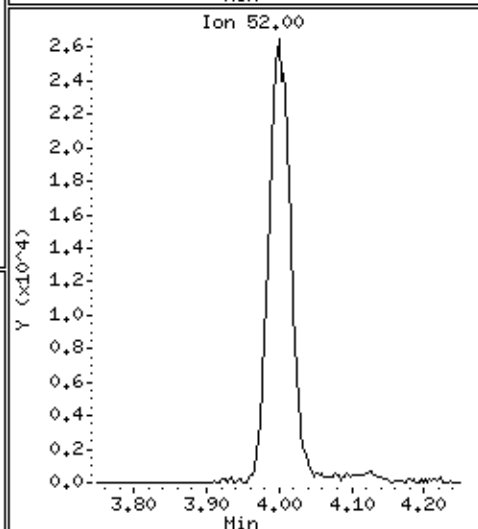
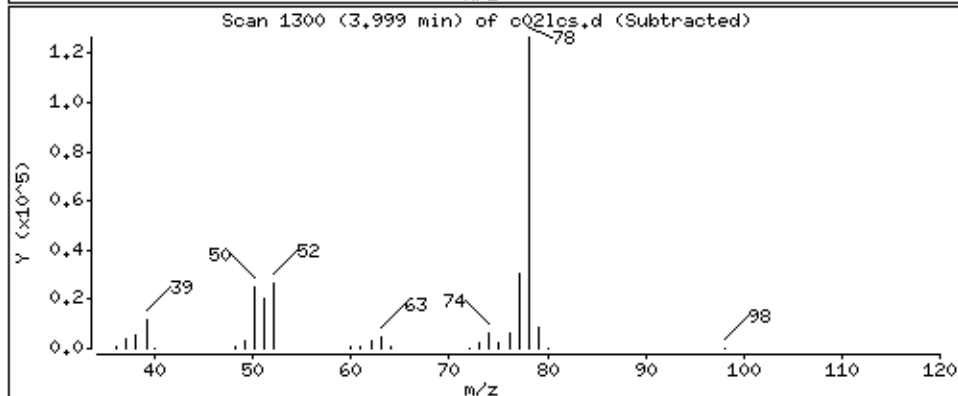
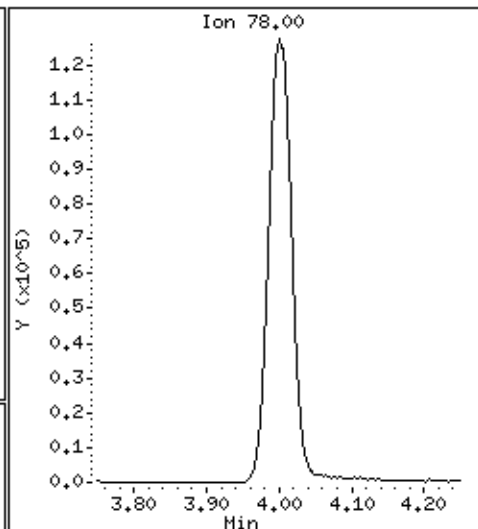
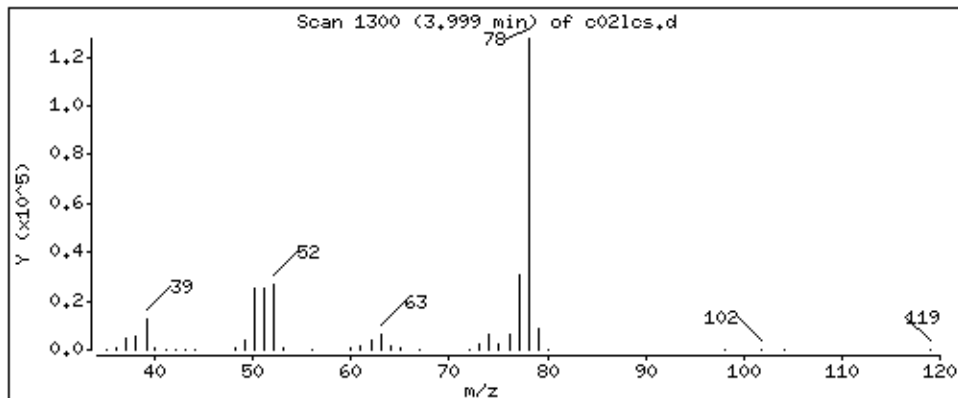
Operator: amv

Column phase: DB-624

Column diameter: 0,18

41 Benzene

Concentration: 48,3 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

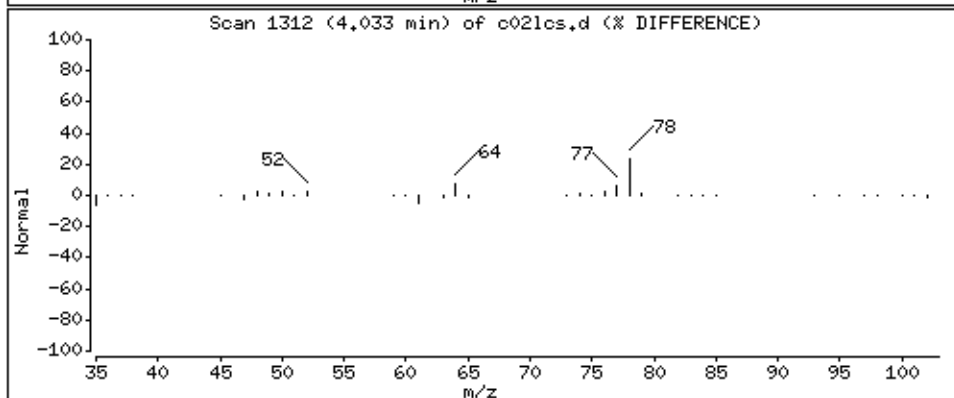
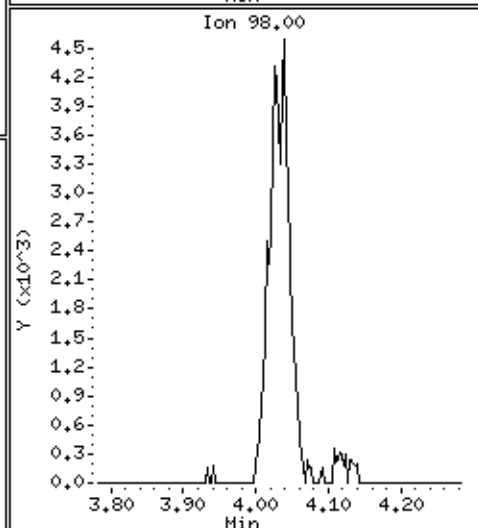
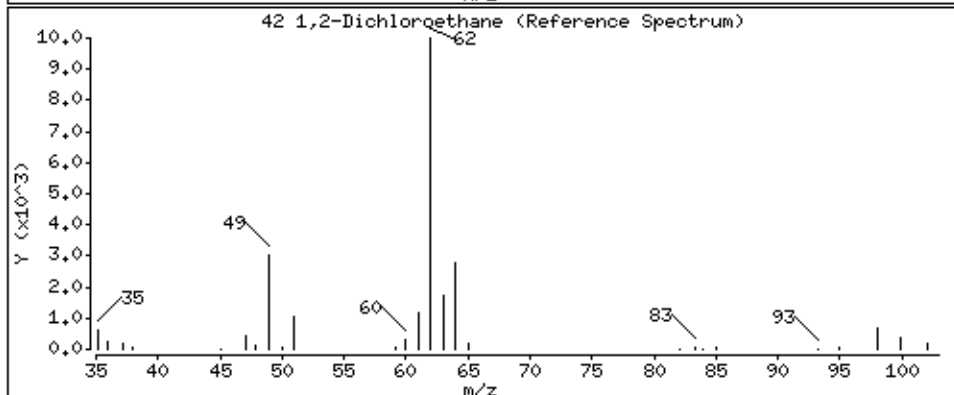
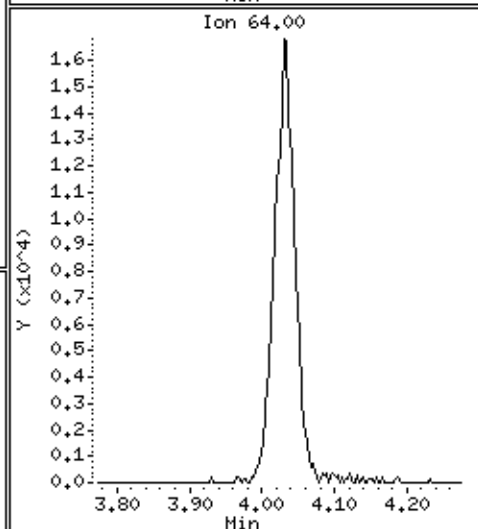
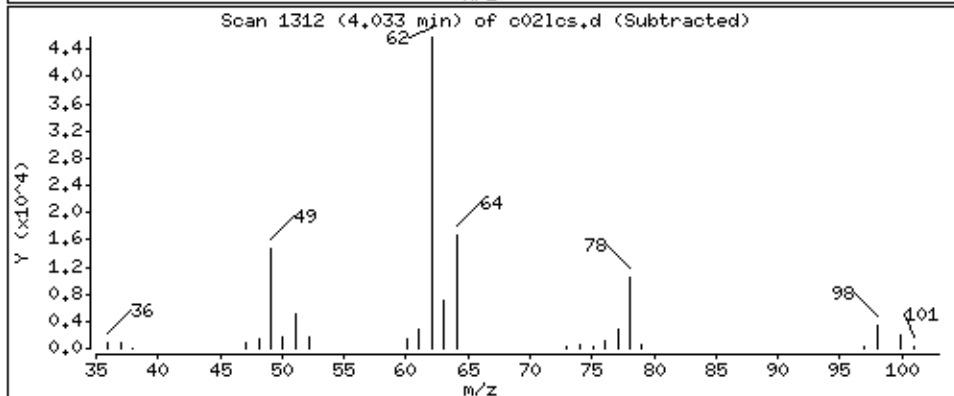
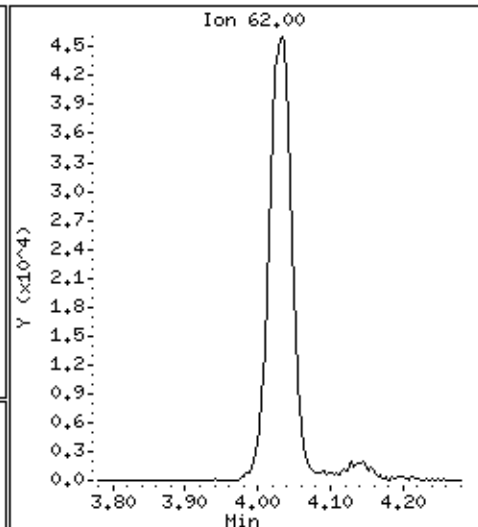
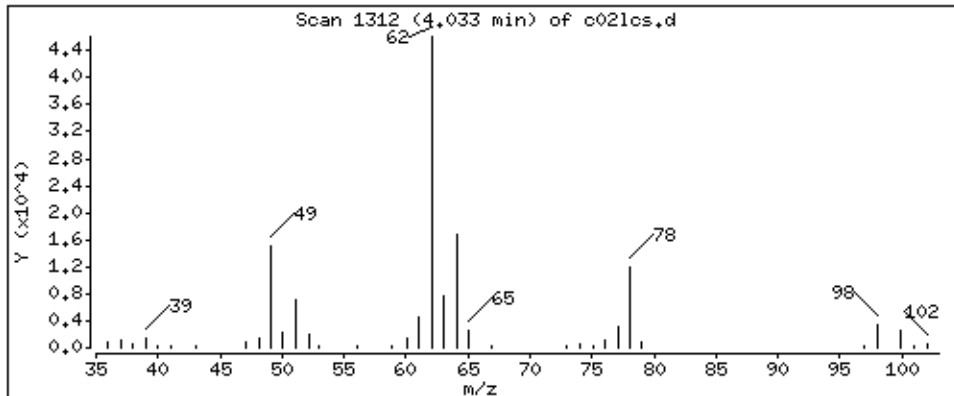
Operator: amv

Column phase: DB-624

Column diameter: 0,18

42 1,2-Dichloroethane

Concentration: 47.9 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

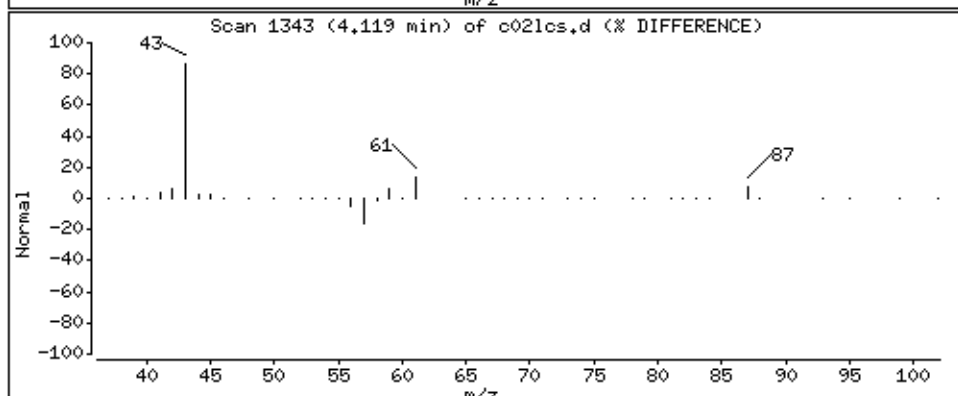
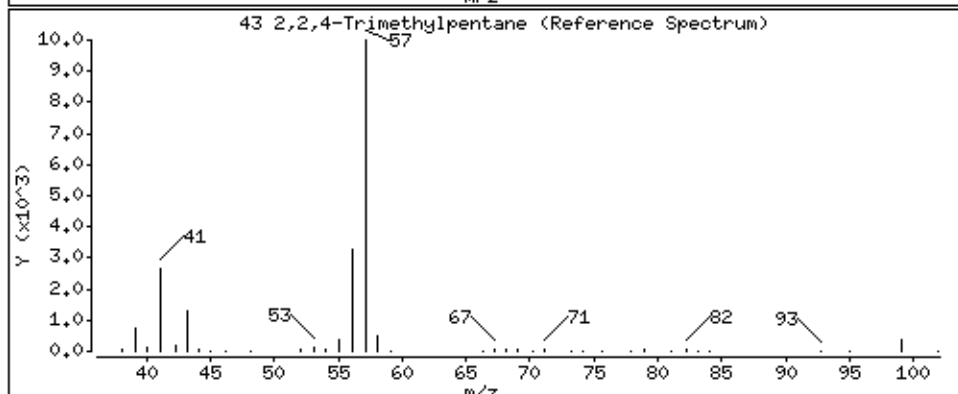
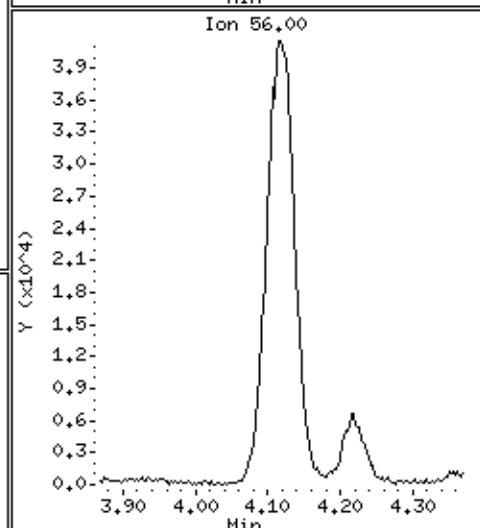
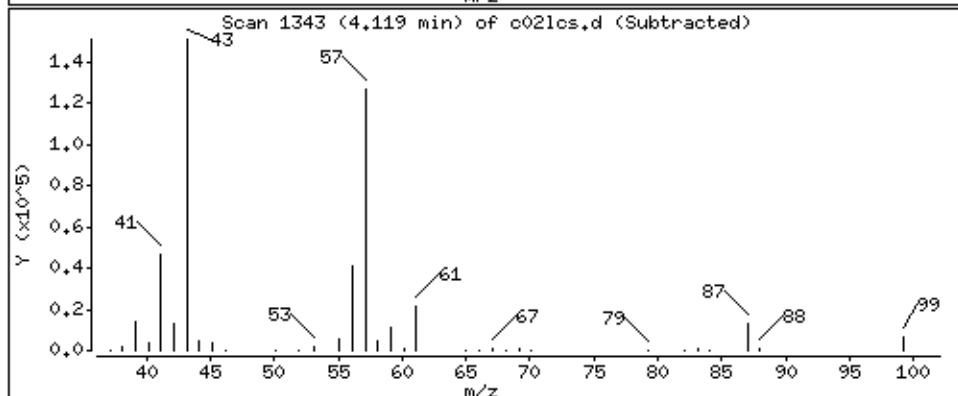
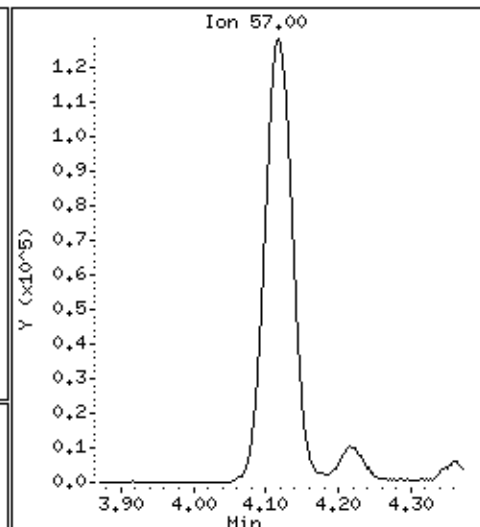
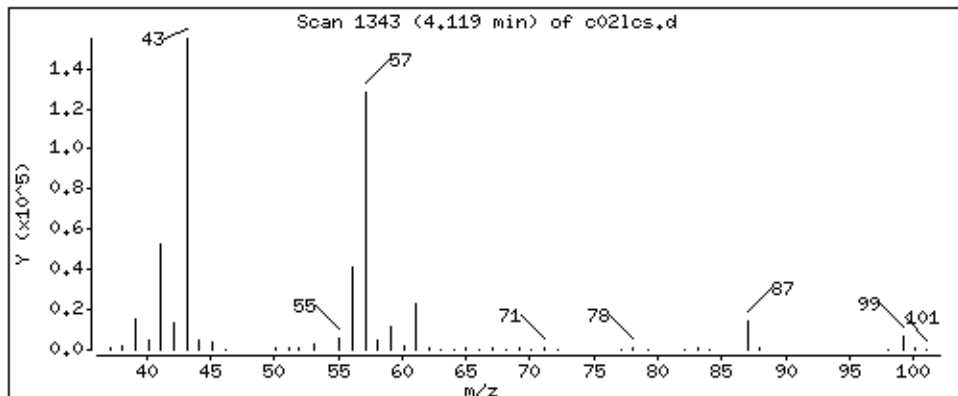
Operator: amv

Column phase: DB-624

Column diameter: 0.18

43 2,2,4-Trimethylpentane

Concentration: 51.6 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

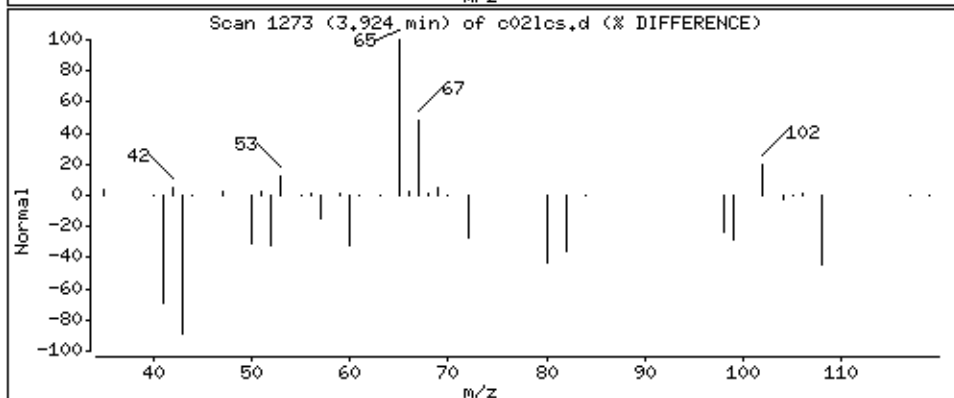
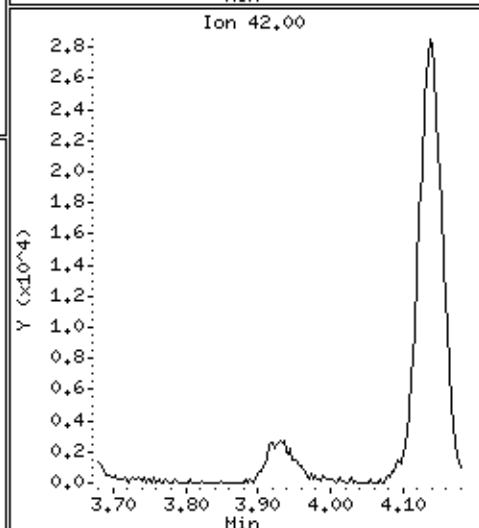
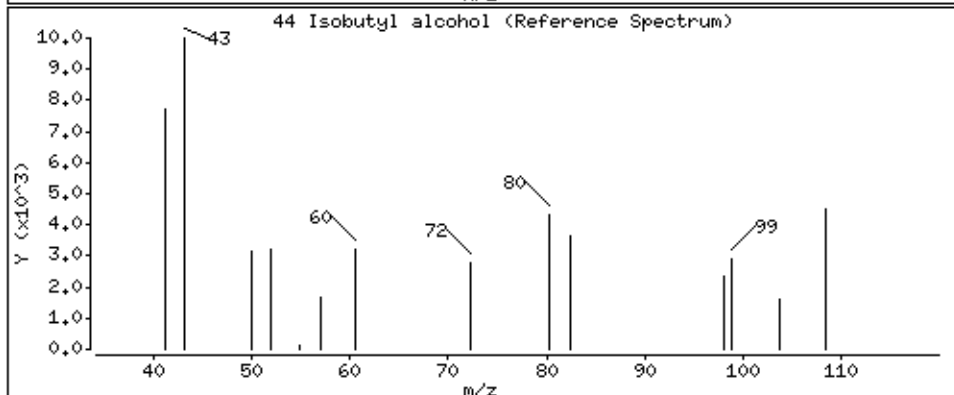
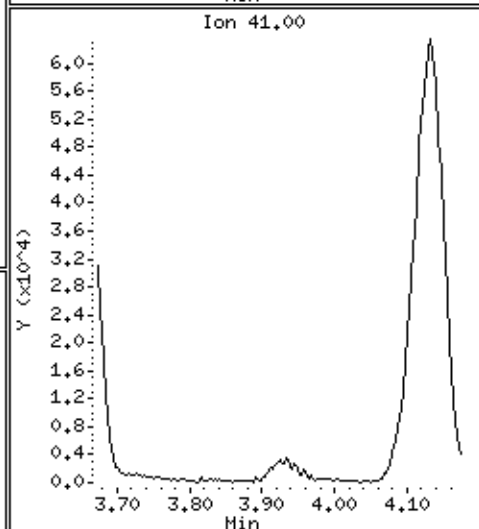
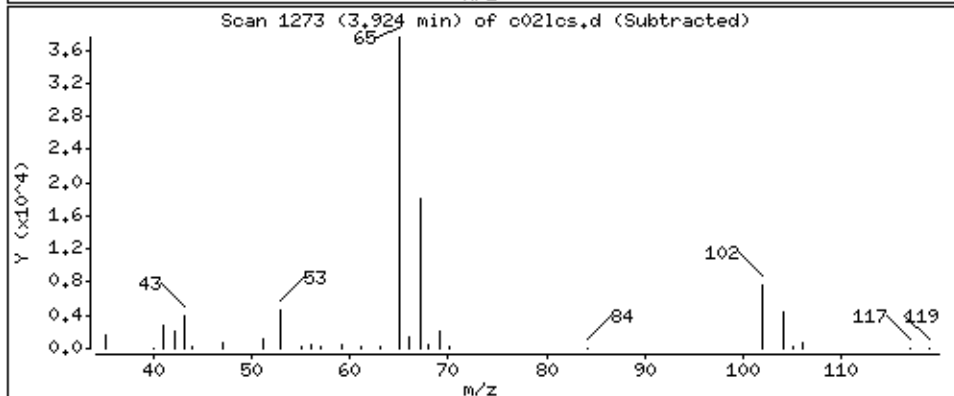
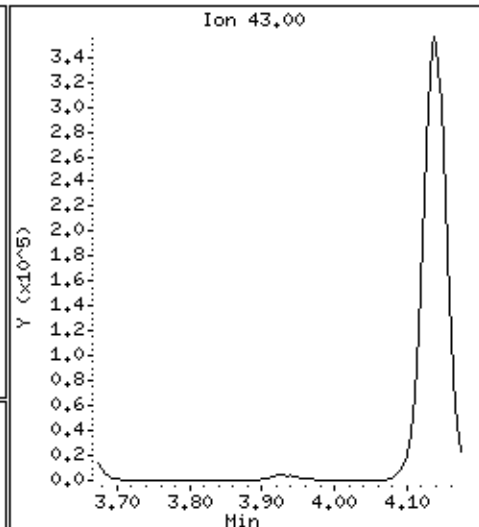
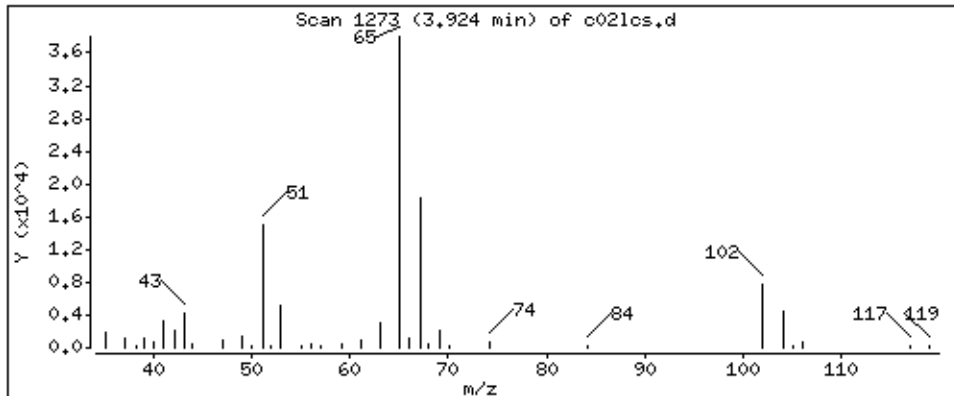
Operator: amv

Column phase: DB-624

Column diameter: 0,18

44 Isobutyl alcohol

Concentration: 281 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

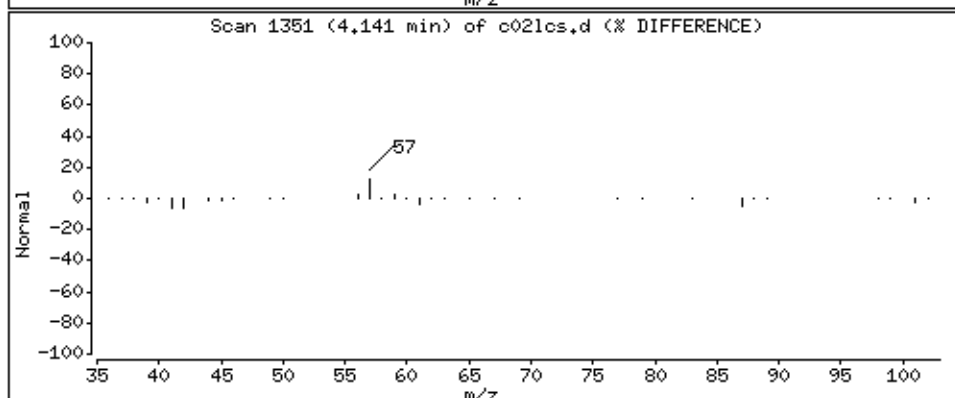
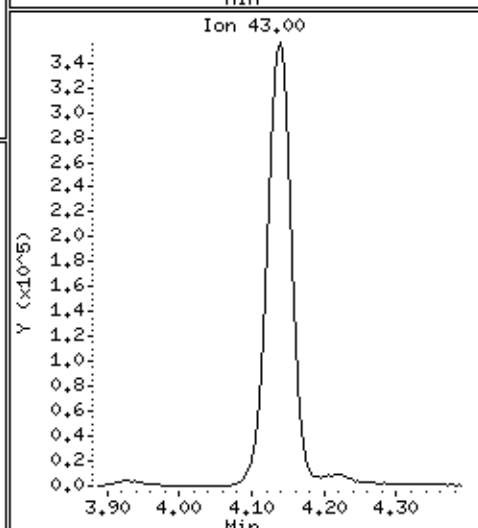
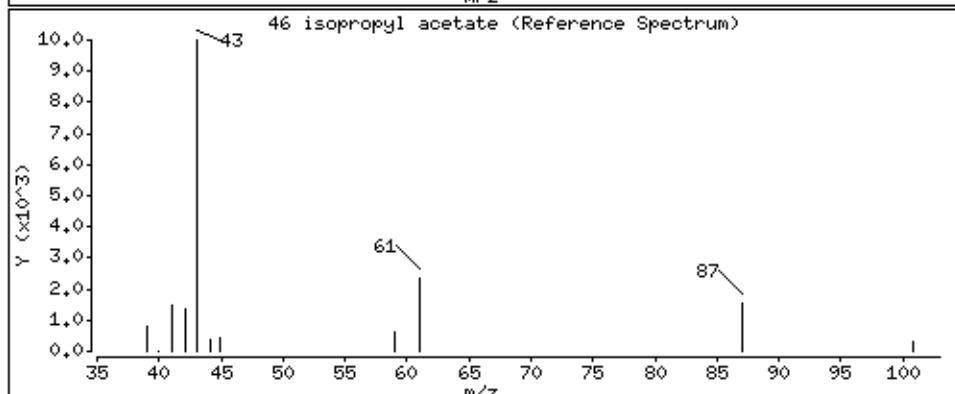
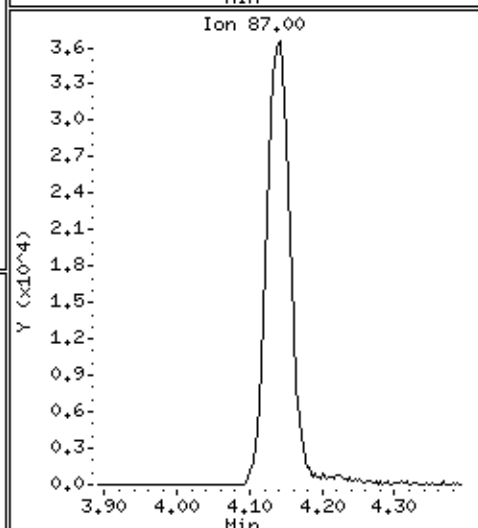
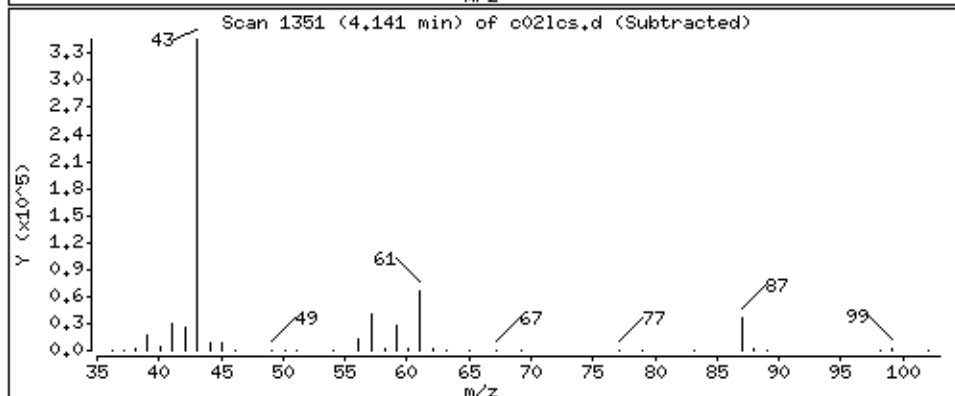
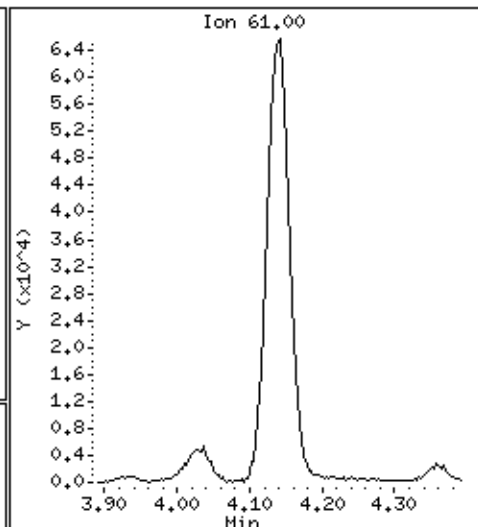
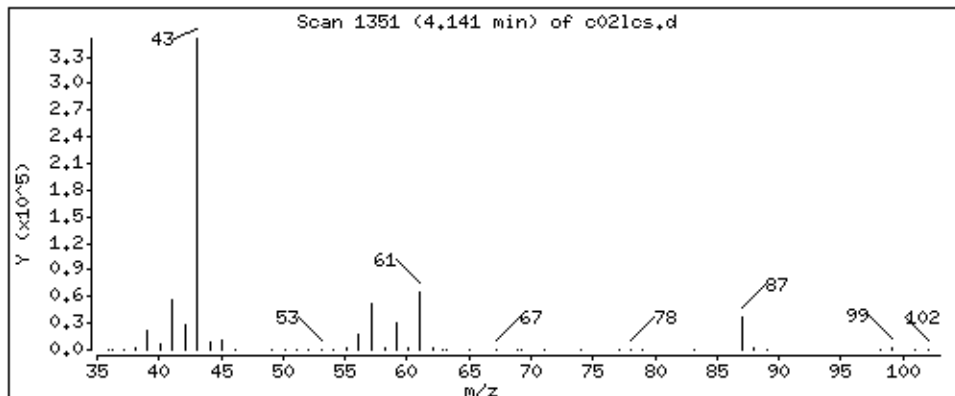
Operator: amv

Column phase: DB-624

Column diameter: 0,18

46 isopropyl acetate

Concentration: 247 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

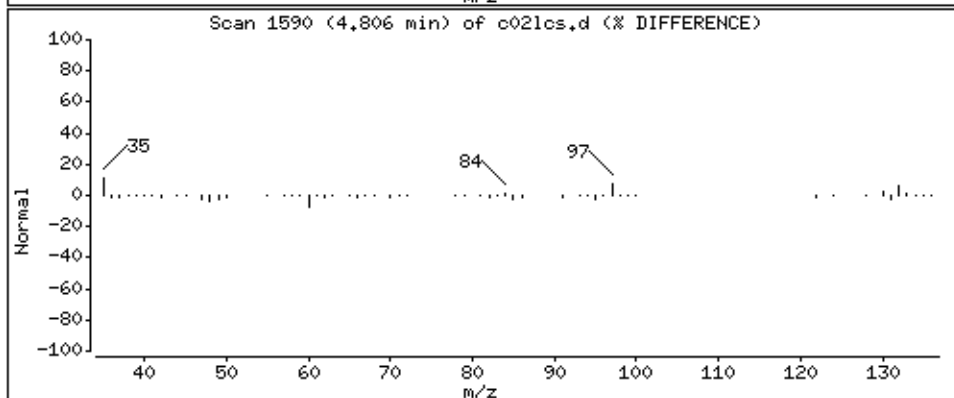
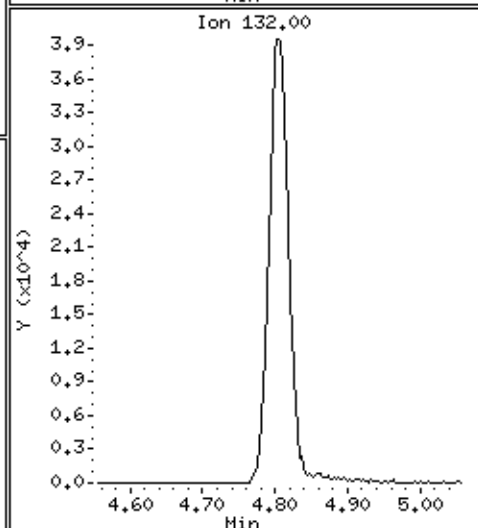
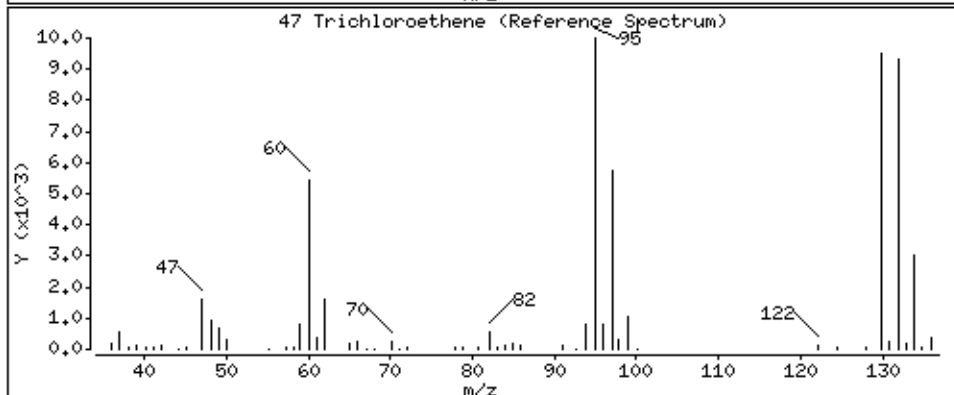
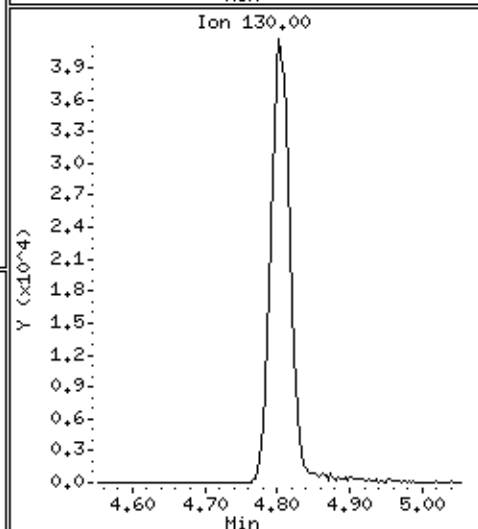
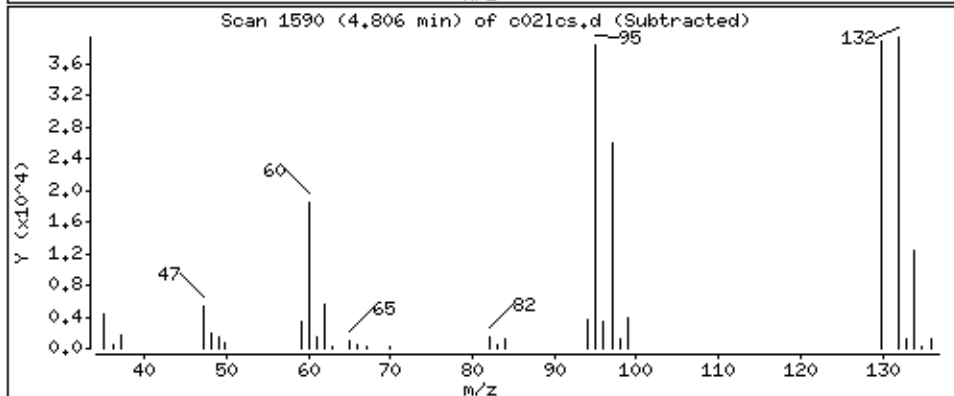
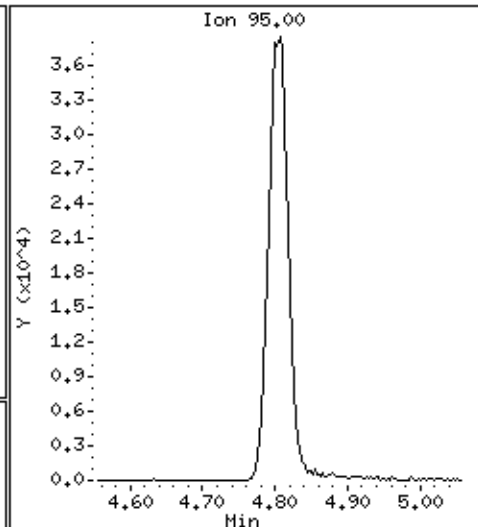
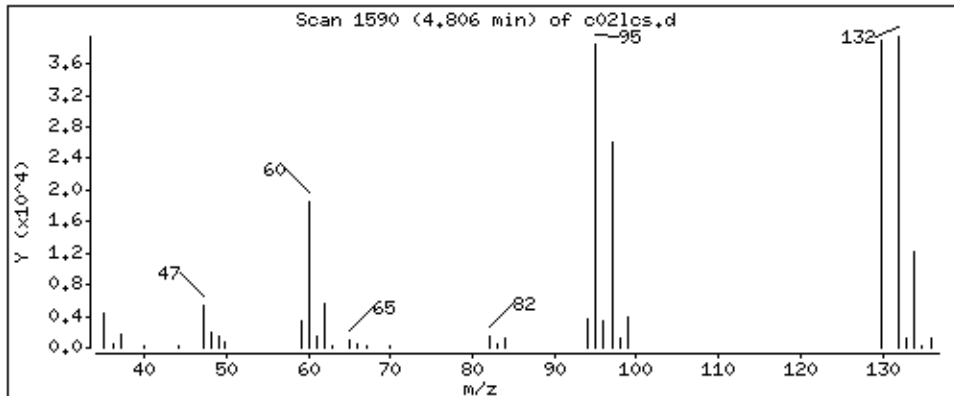
Operator: amv

Column phase: DB-624

Column diameter: 0,18

47 Trichloroethene

Concentration: 46,2 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

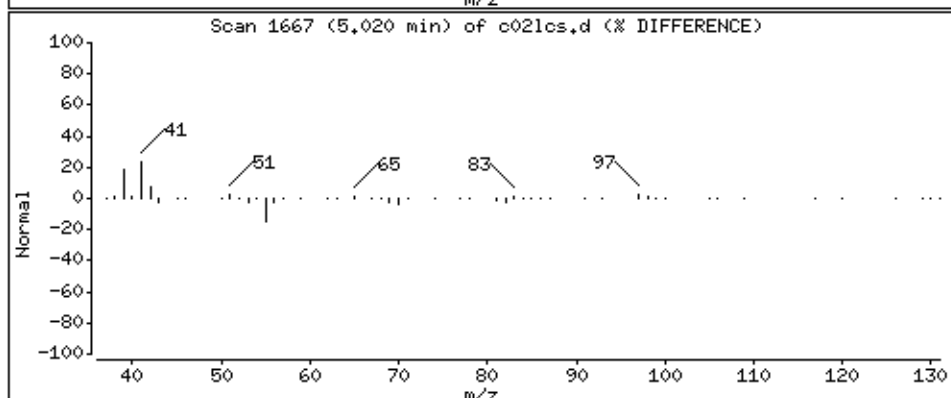
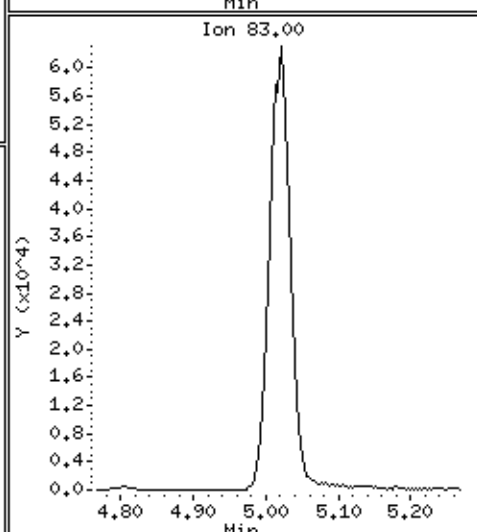
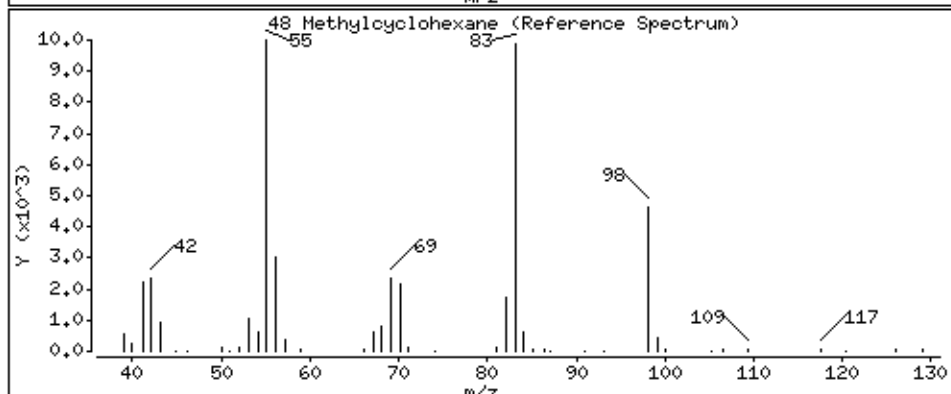
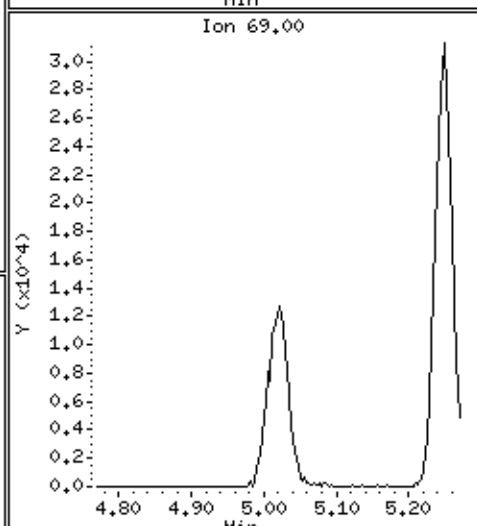
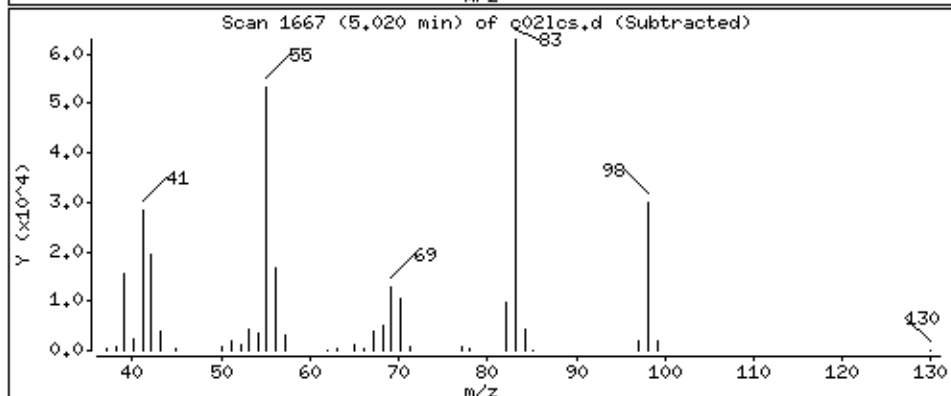
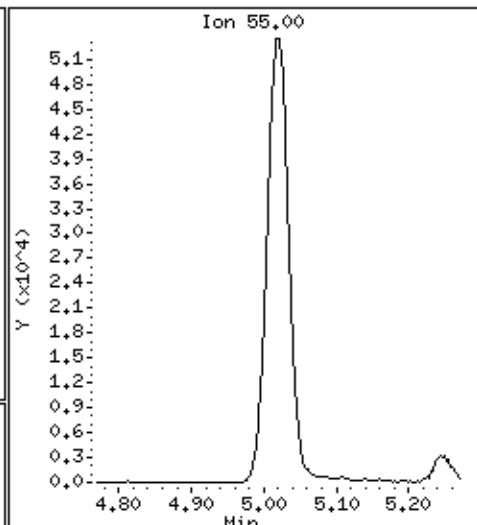
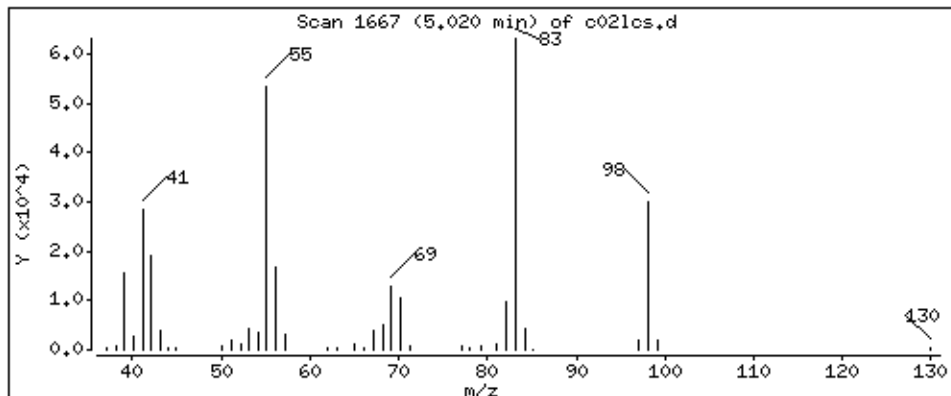
Operator: amv

Column phase: DB-624

Column diameter: 0,18

48 Methylcyclohexane

Concentration: 40,6 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

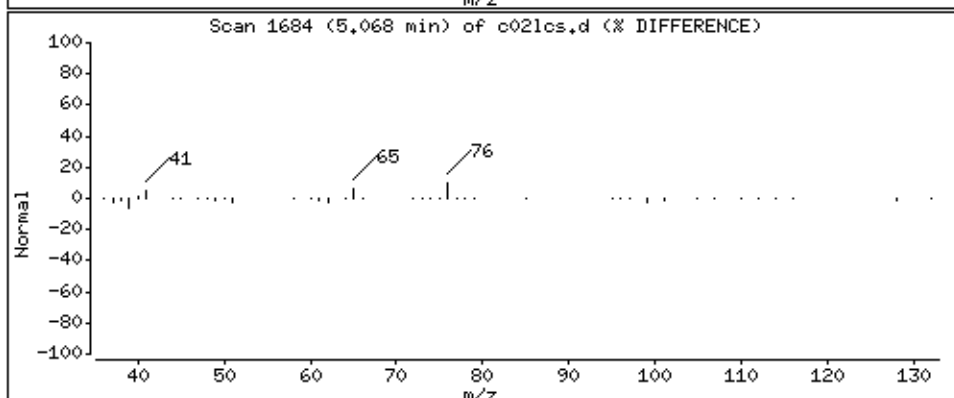
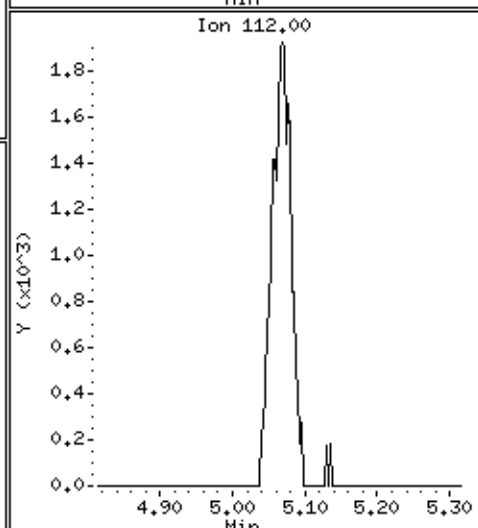
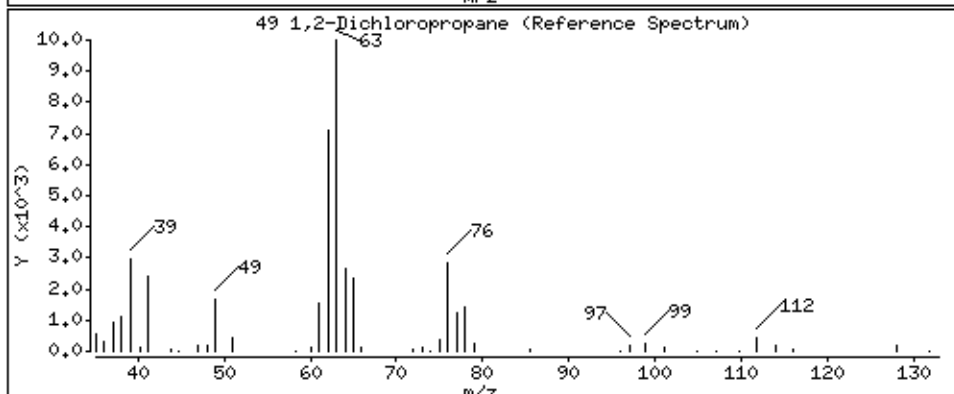
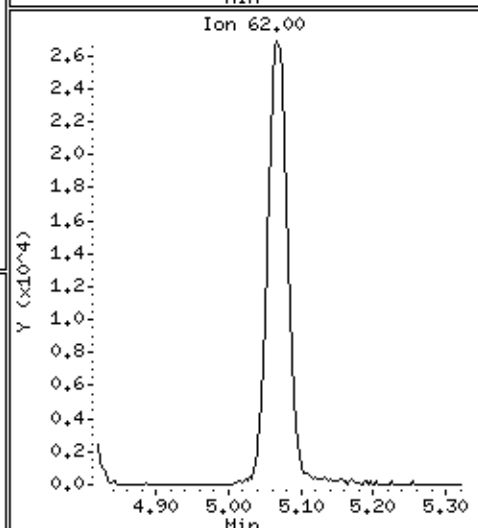
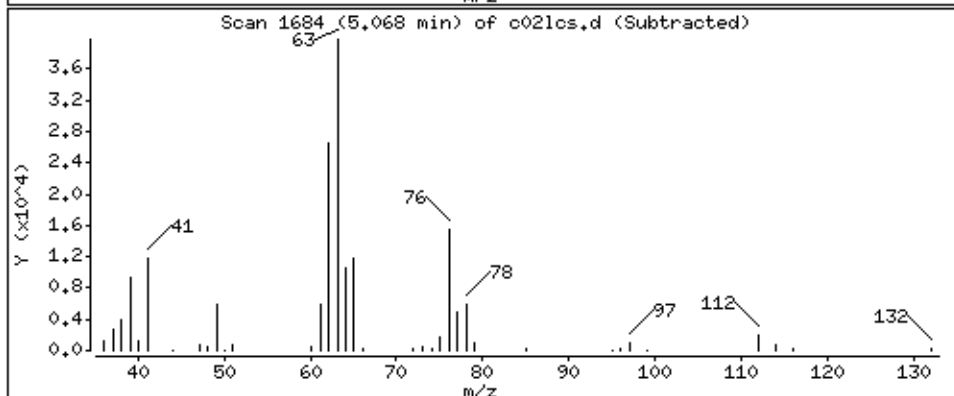
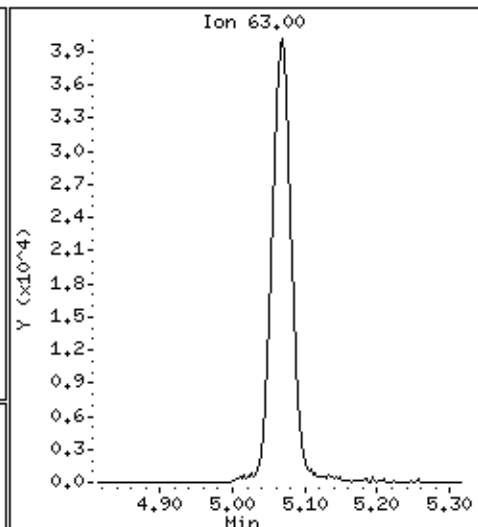
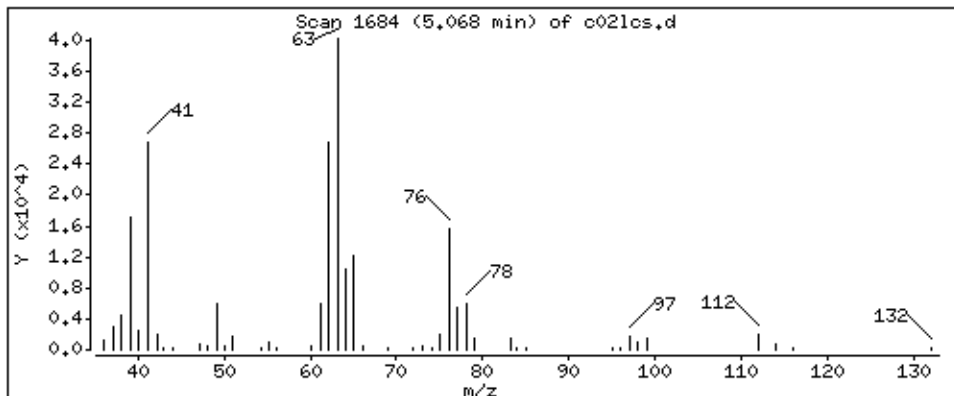
Operator: amv

Column phase: DB-624

Column diameter: 0,18

49 1,2-Dichloropropane

Concentration: 47.0 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

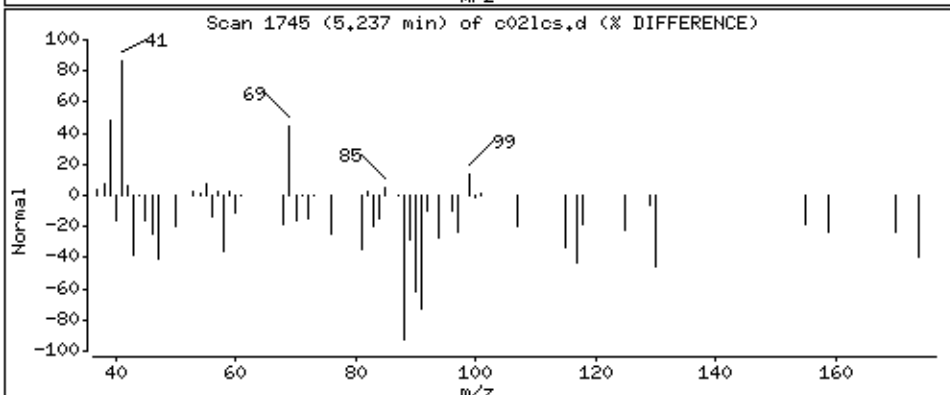
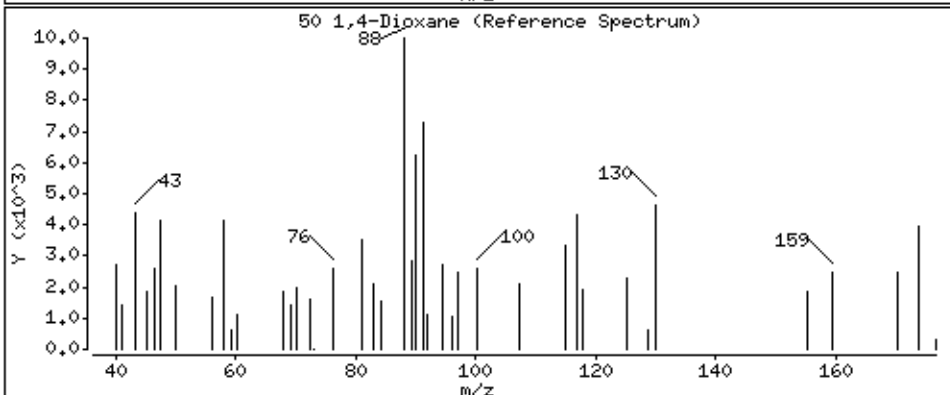
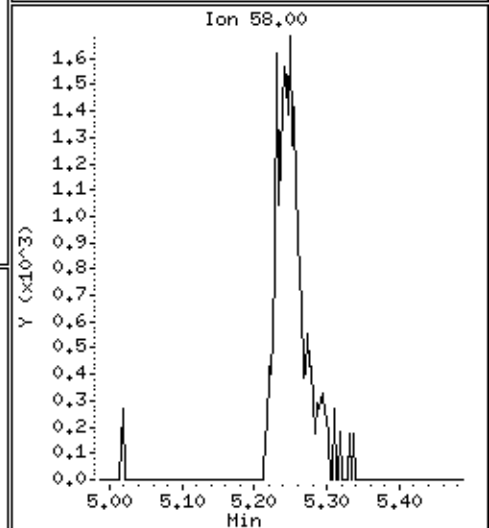
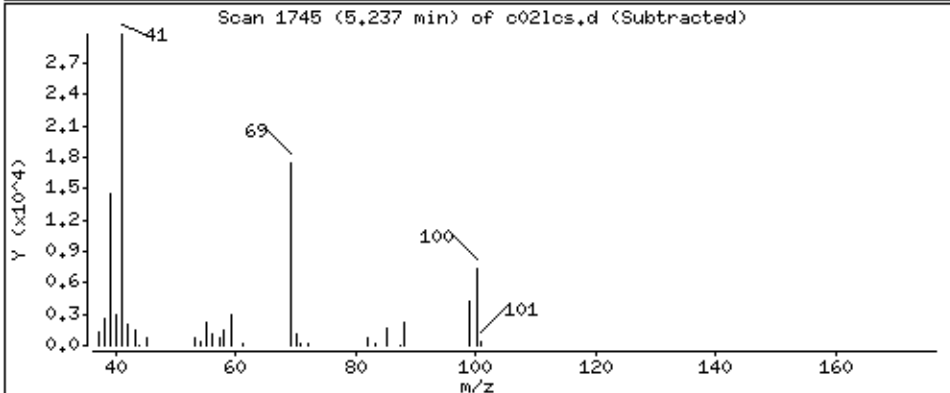
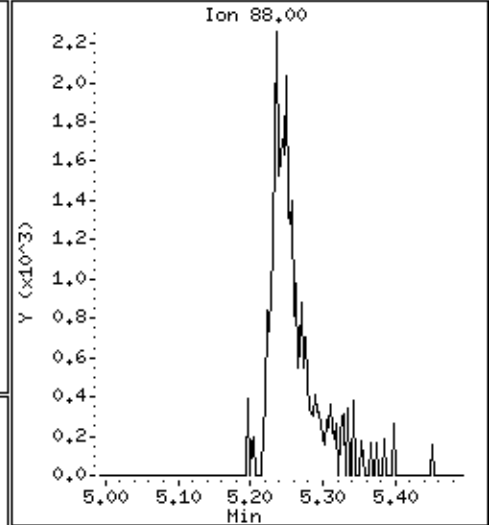
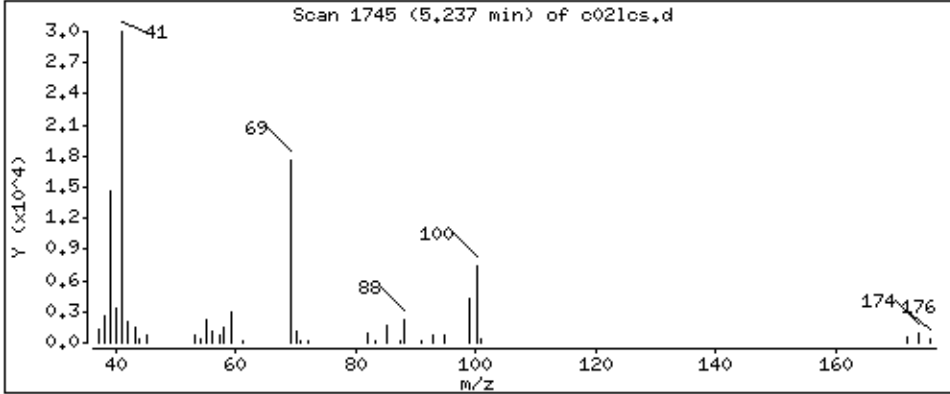
Operator: amv

Column phase: DB-624

Column diameter: 0.18

50 1,4-Dioxane

Concentration: 1030 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

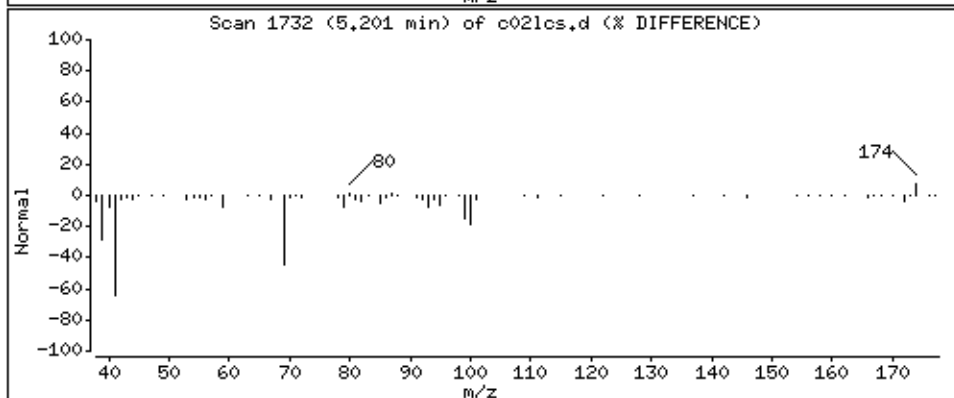
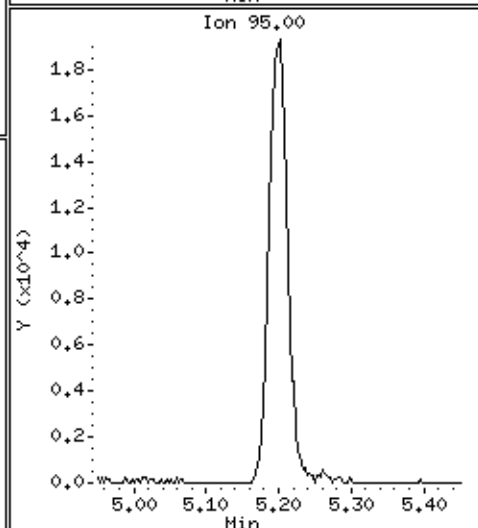
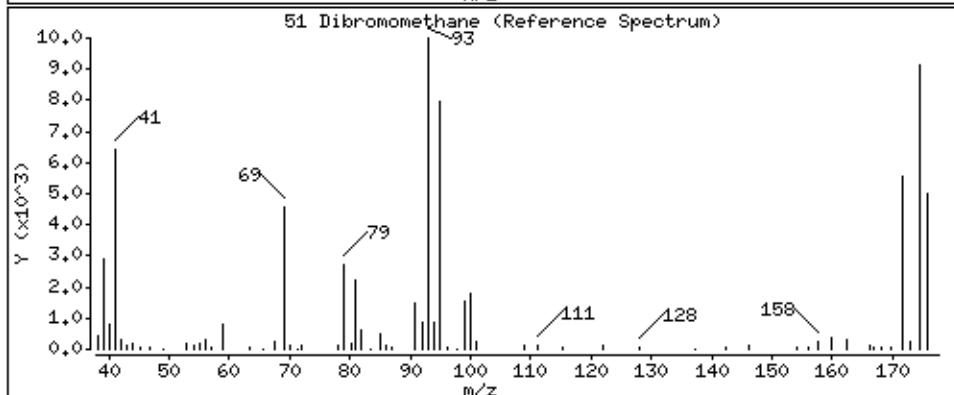
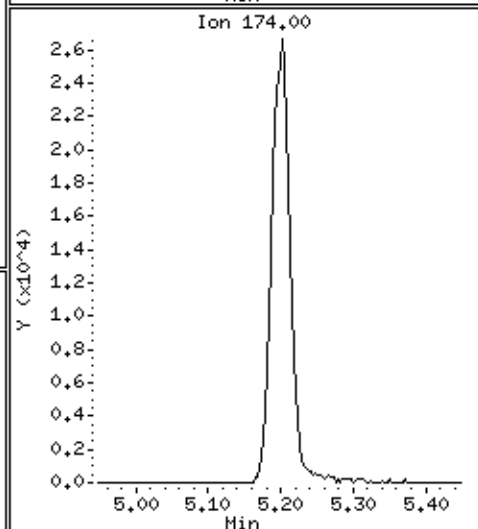
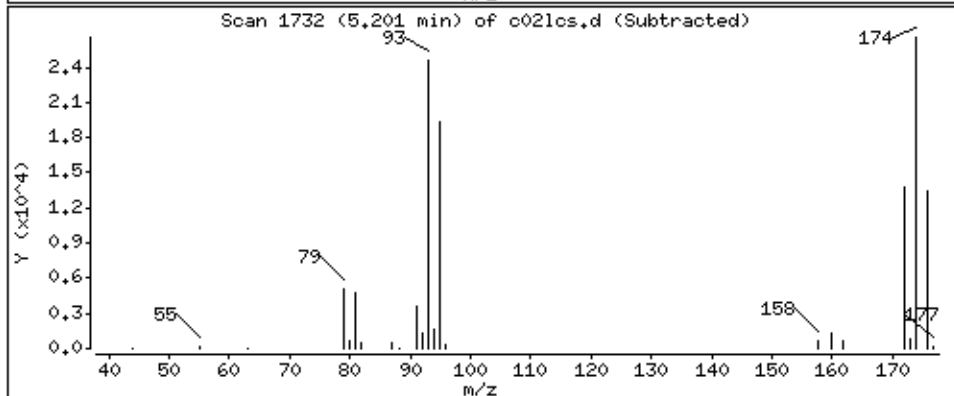
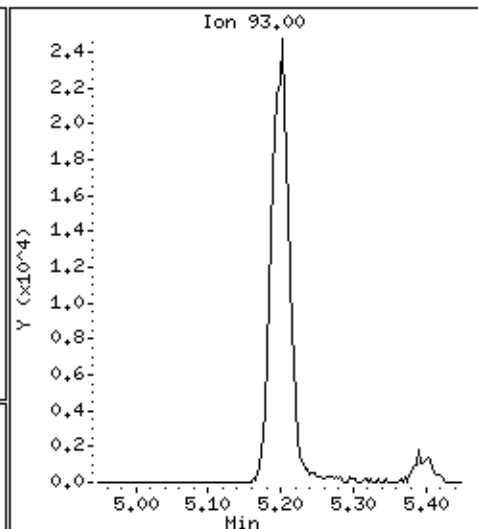
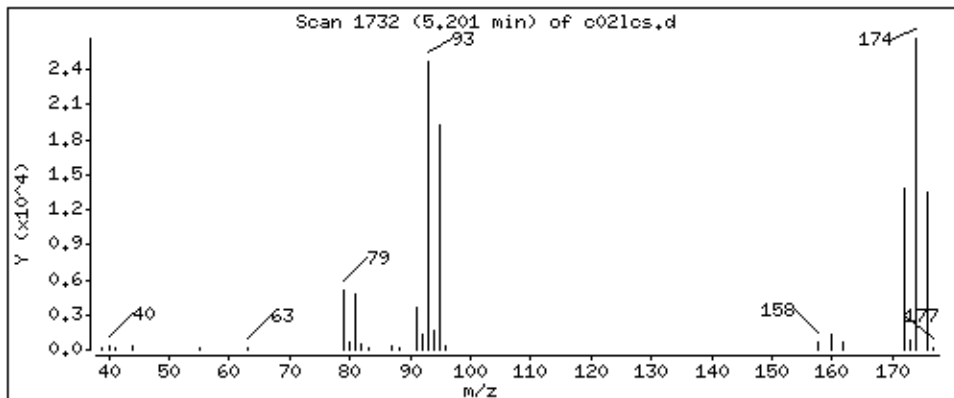
Operator: amv

Column phase: DB-624

Column diameter: 0.18

51 Dibromomethane

Concentration: 51.6 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

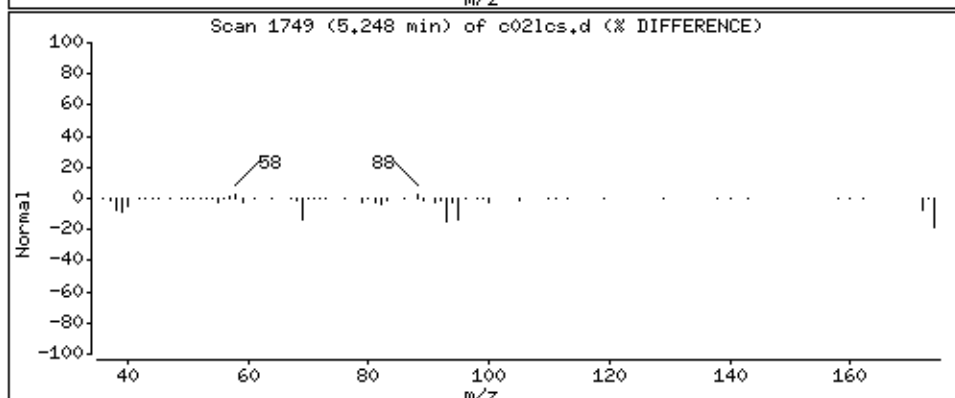
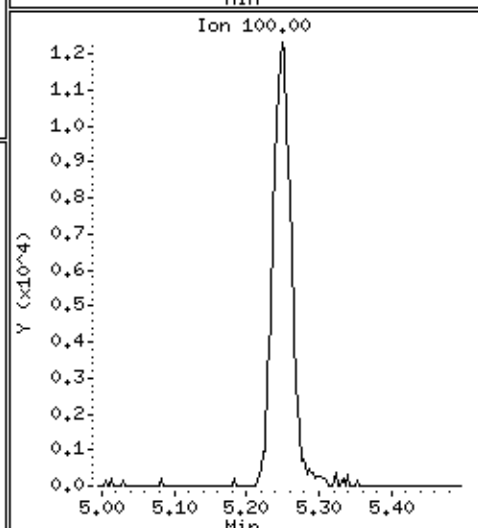
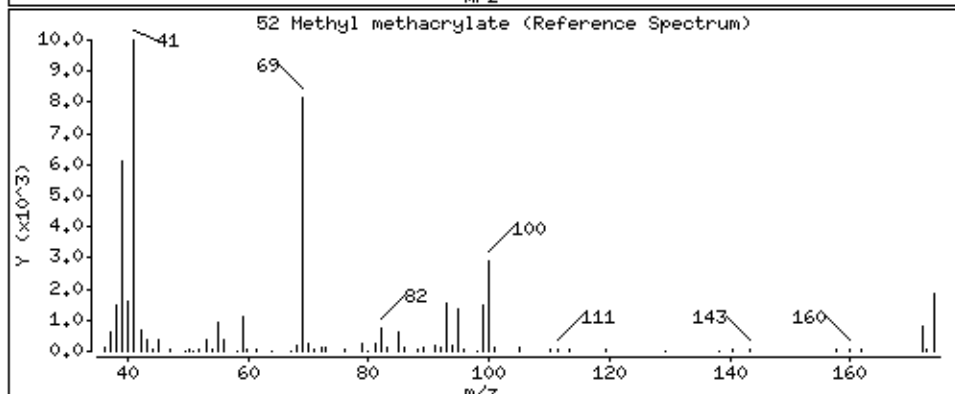
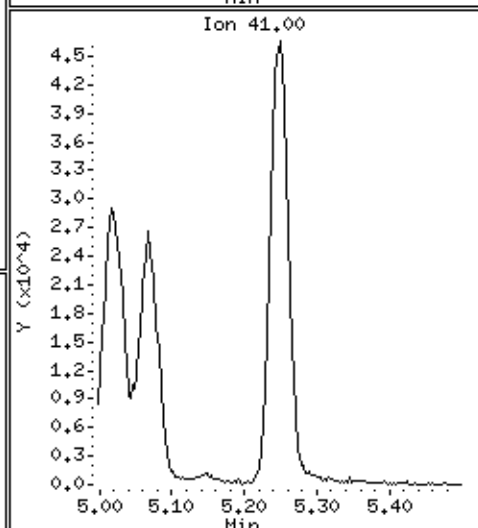
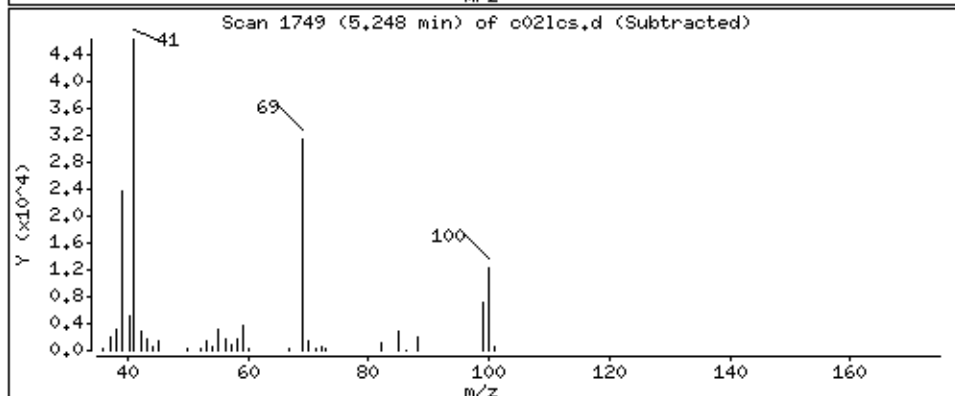
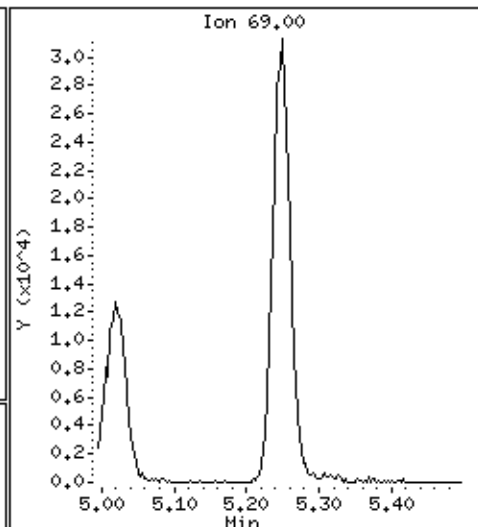
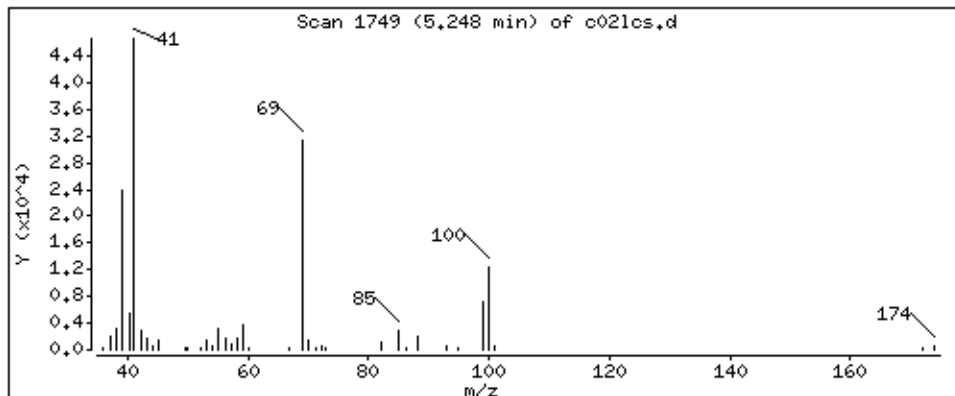
Operator: amv

Column phase: DB-624

Column diameter: 0,18

52 Methyl methacrylate

Concentration: 45,0 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

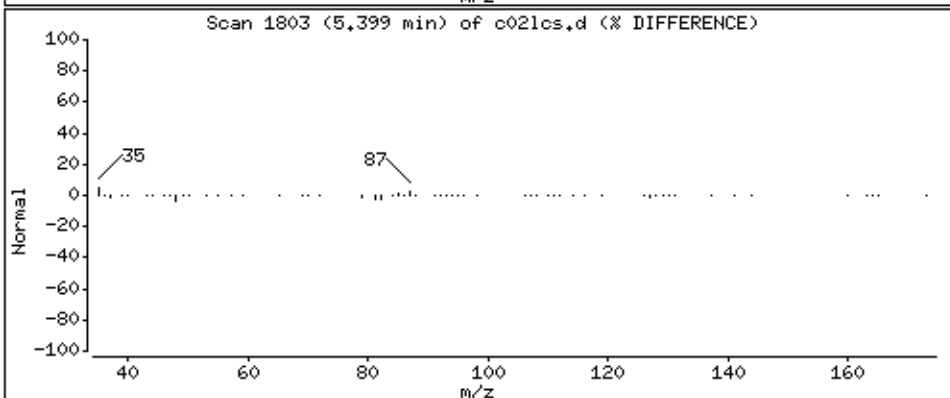
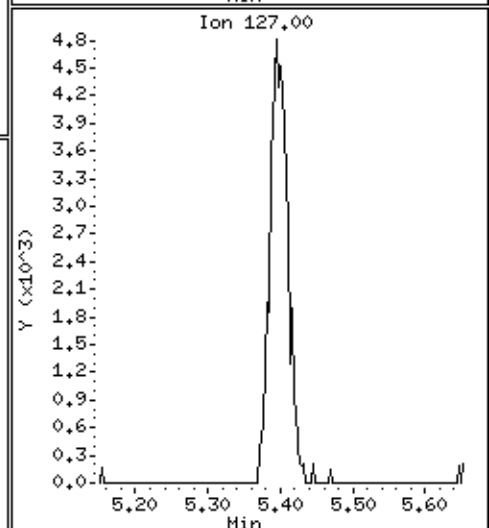
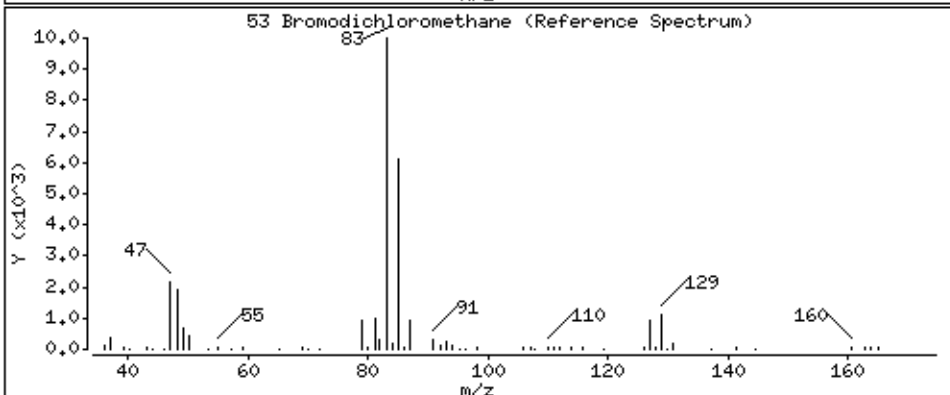
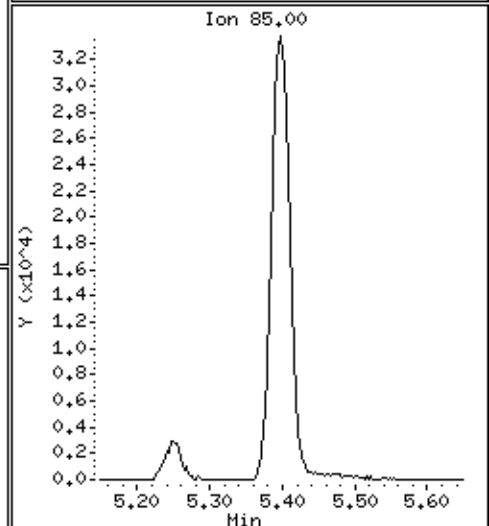
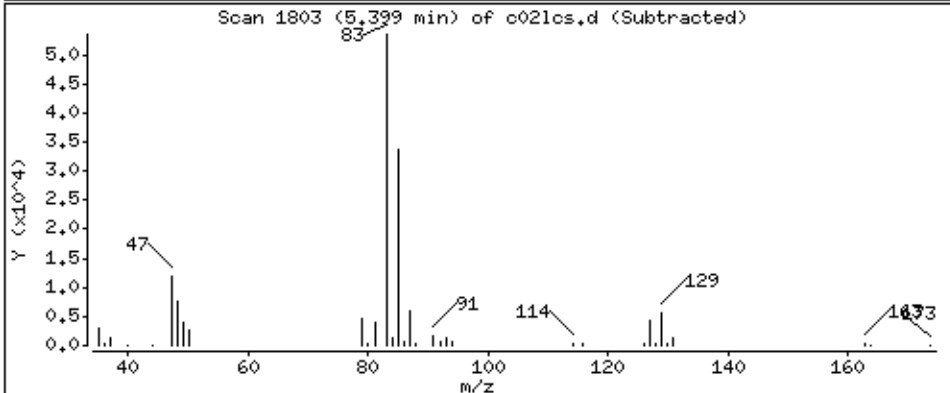
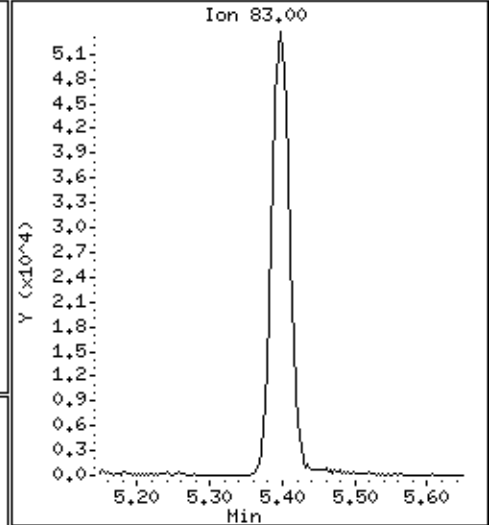
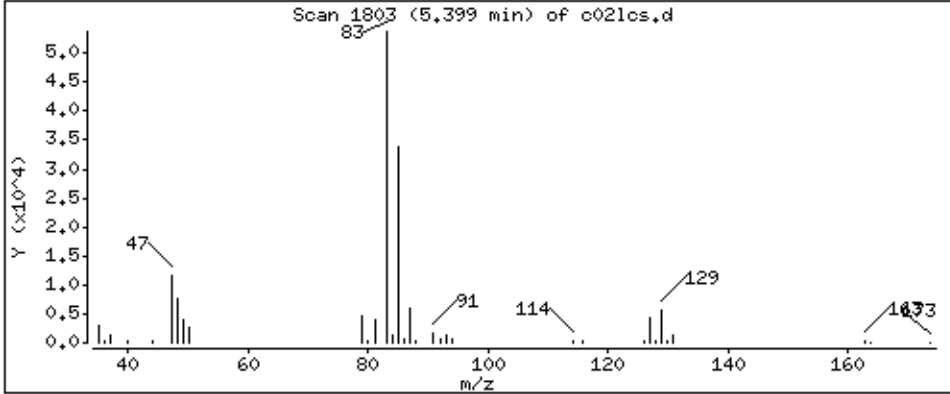
Operator: amv

Column phase: DB-624

Column diameter: 0,18

53 Bromodichloromethane

Concentration: 43.9 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

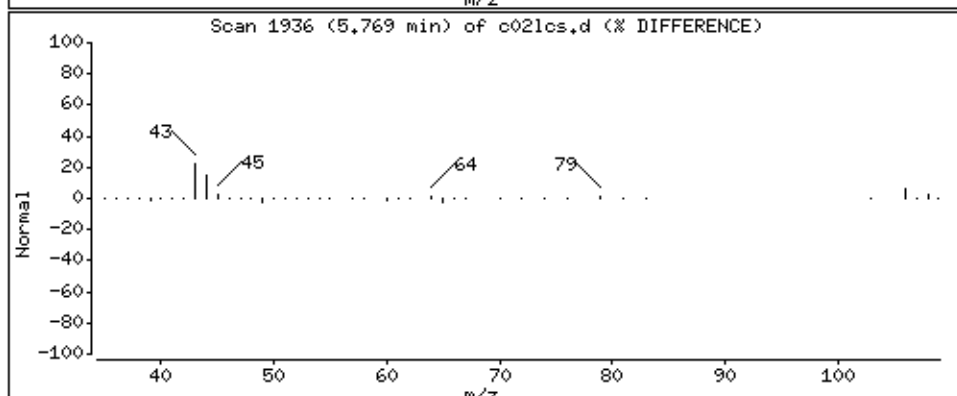
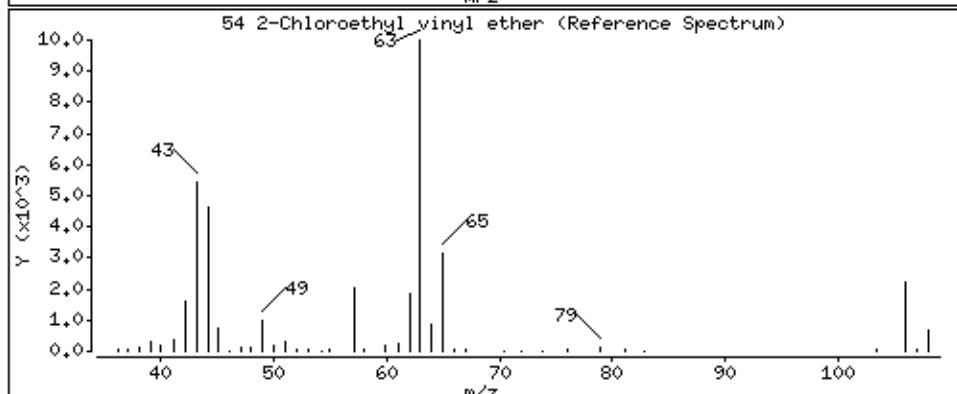
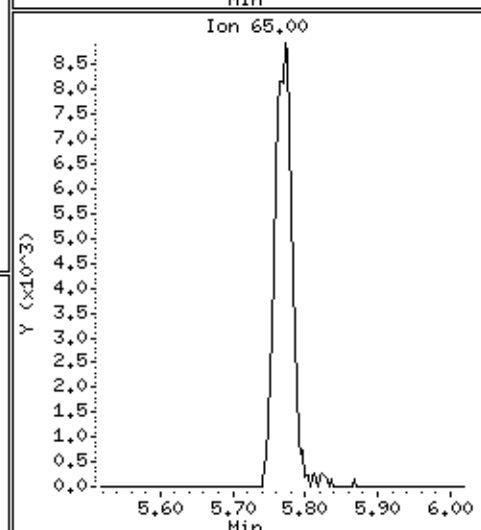
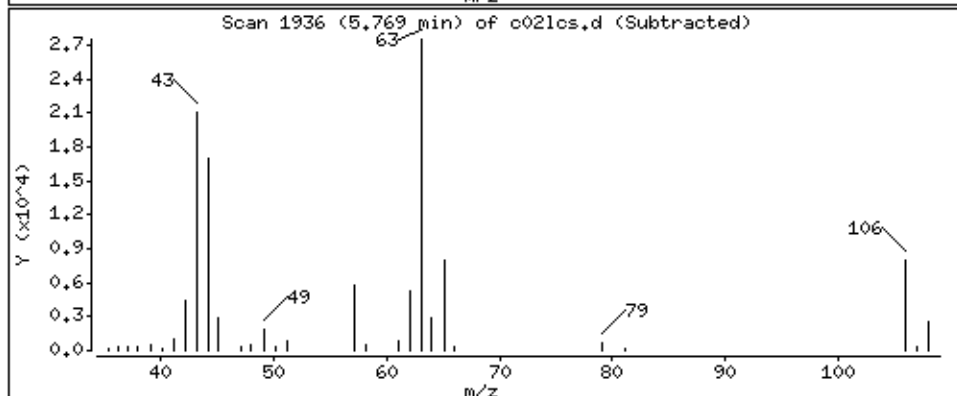
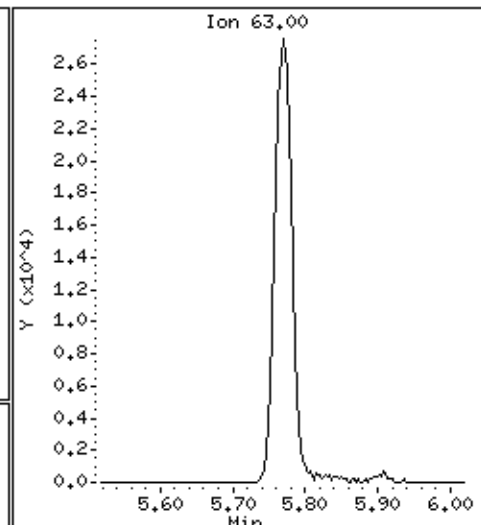
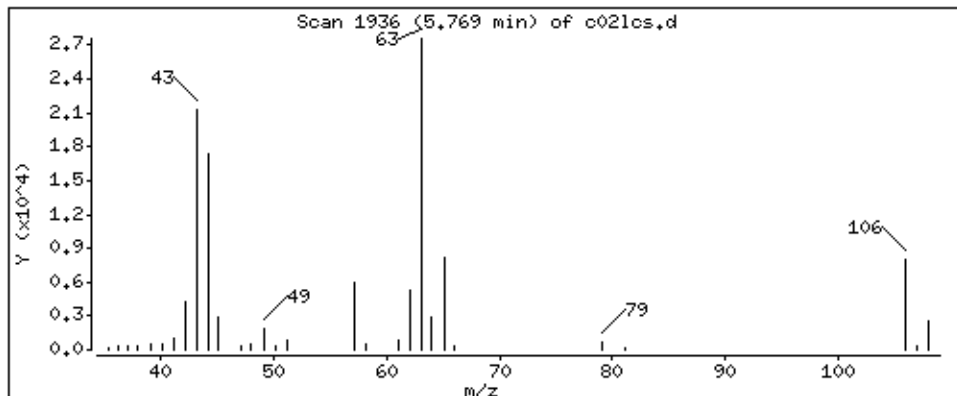
Operator: amv

Column phase: DB-624

Column diameter: 0,18

54 2-Chloroethyl vinyl ether

Concentration: 40,6 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

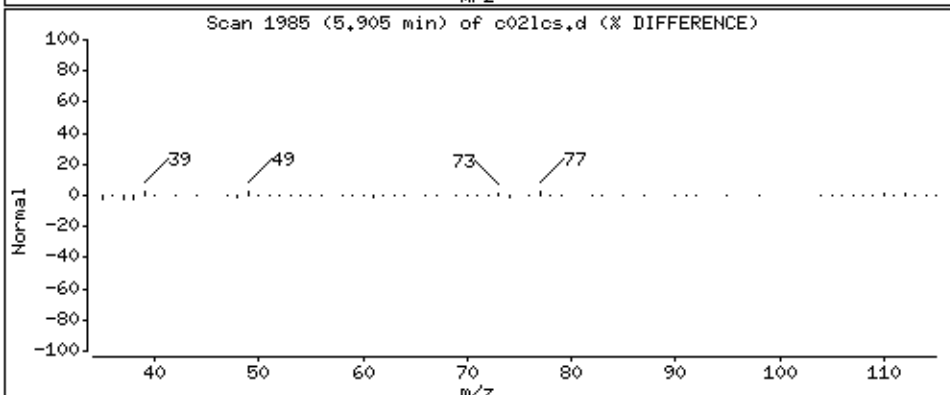
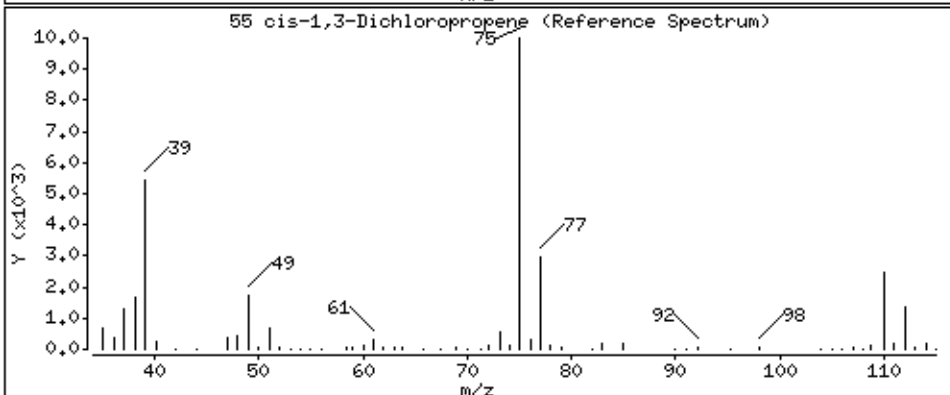
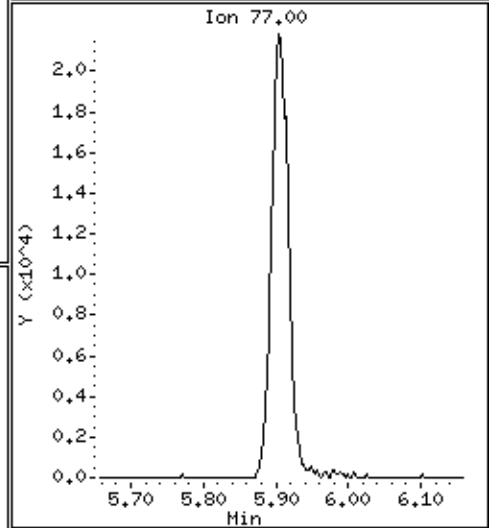
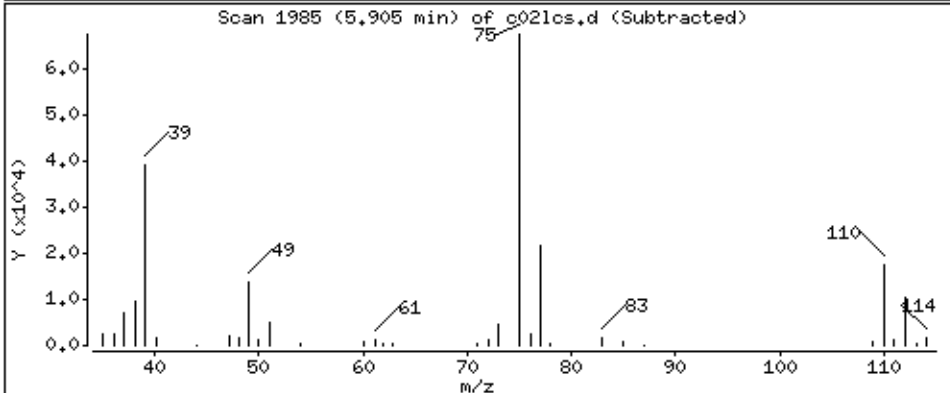
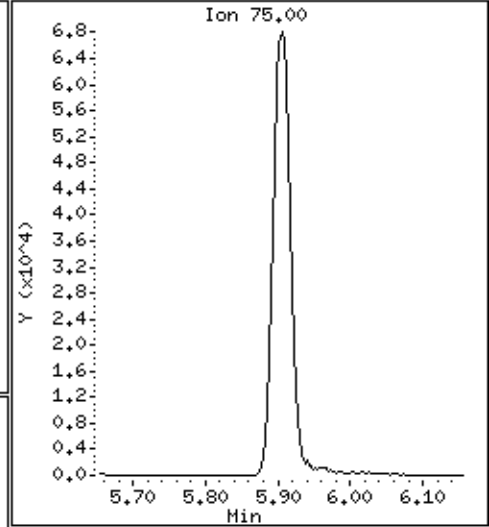
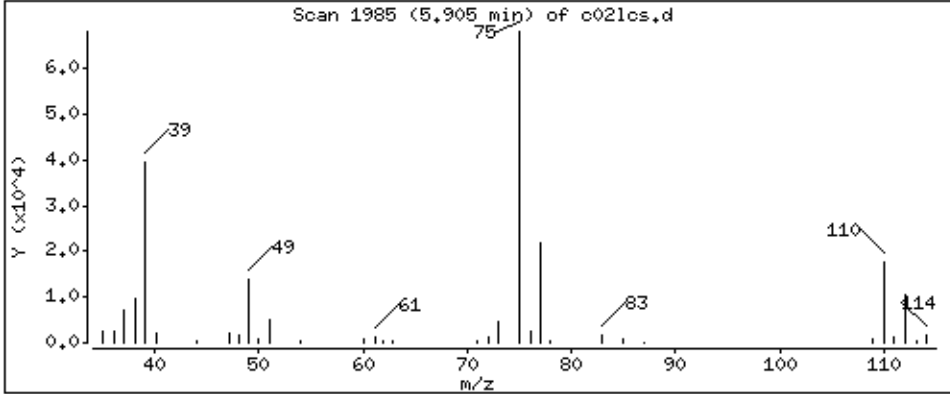
Operator: amv

Column phase: DB-624

Column diameter: 0,18

55 cis-1,3-Dichloropropene

Concentration: 46,5 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

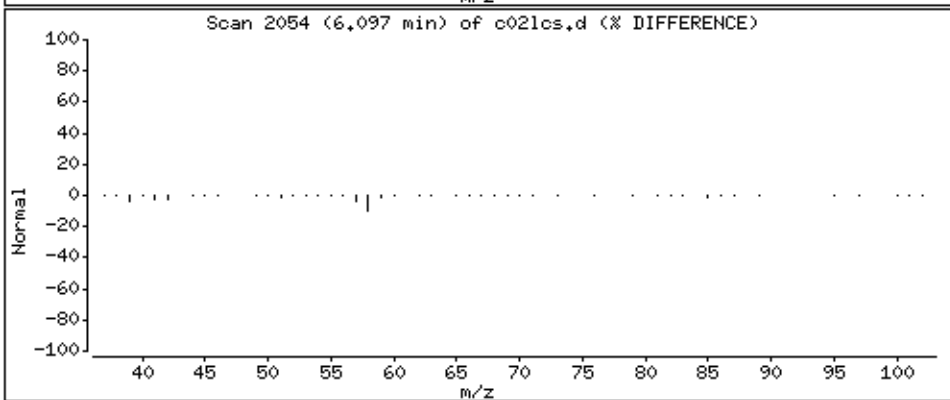
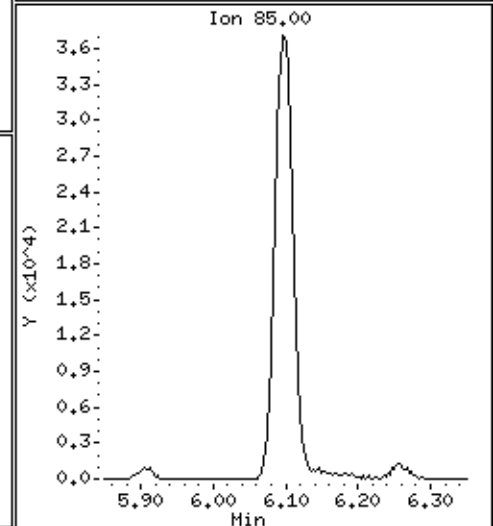
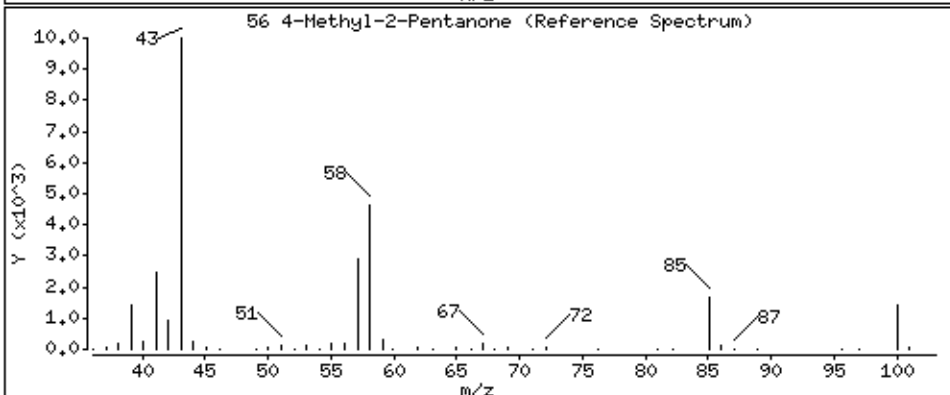
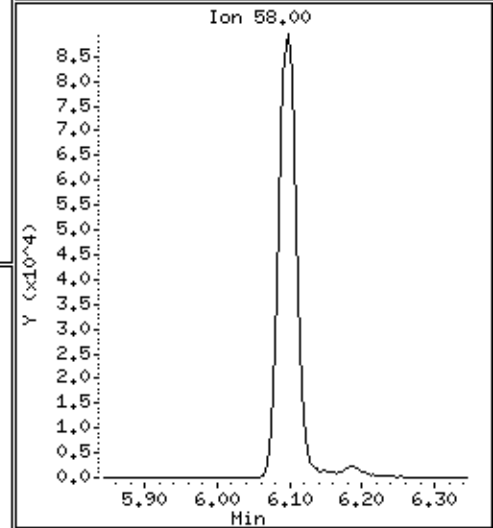
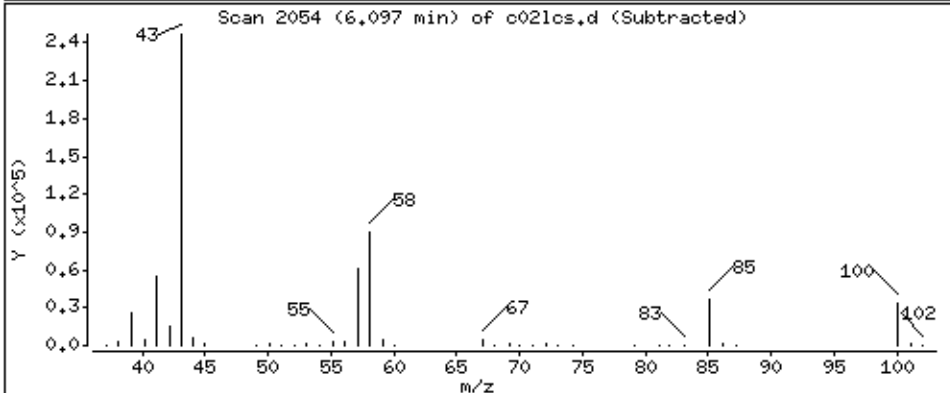
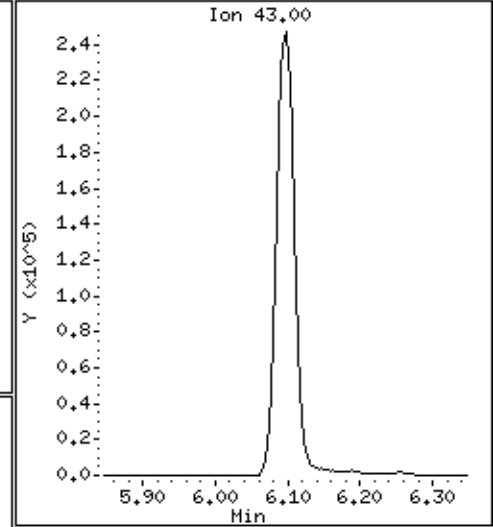
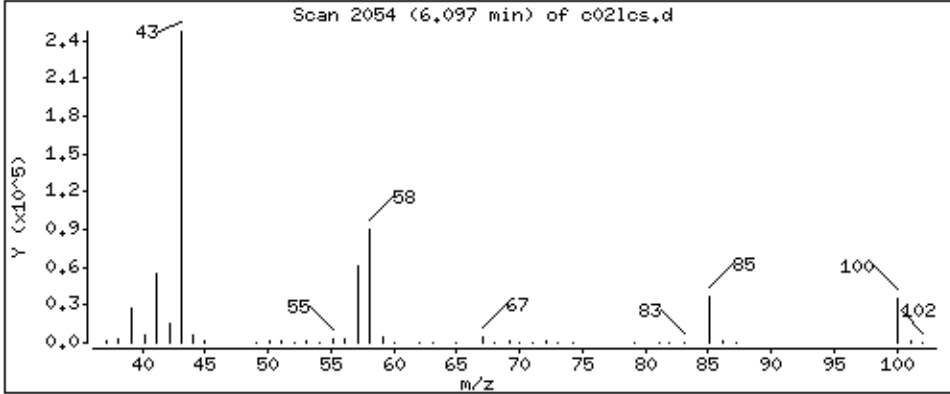
Operator: amv

Column phase: DB-624

Column diameter: 0,18

56 4-Methyl-2-Pentanone

Concentration: 232 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

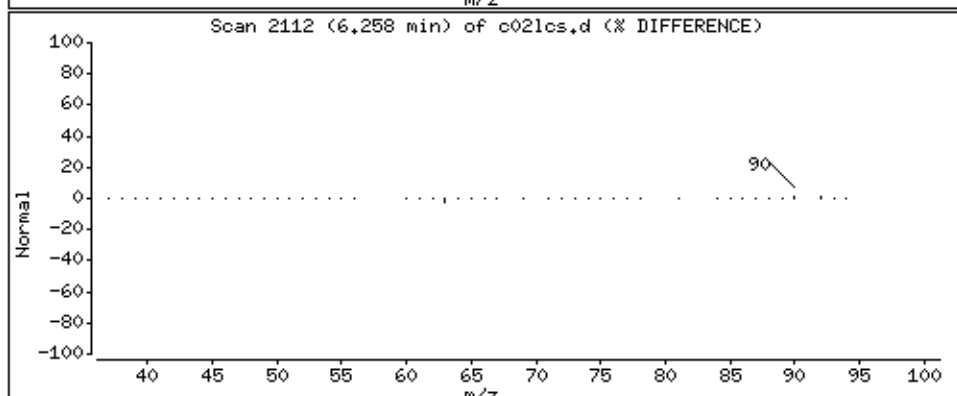
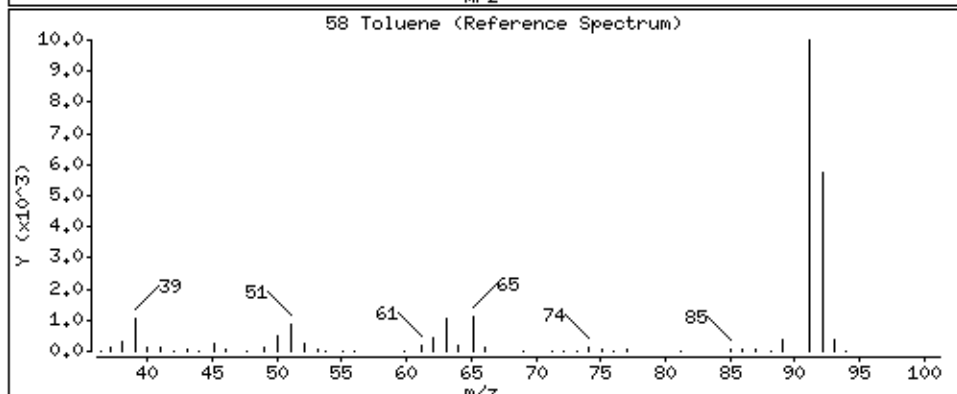
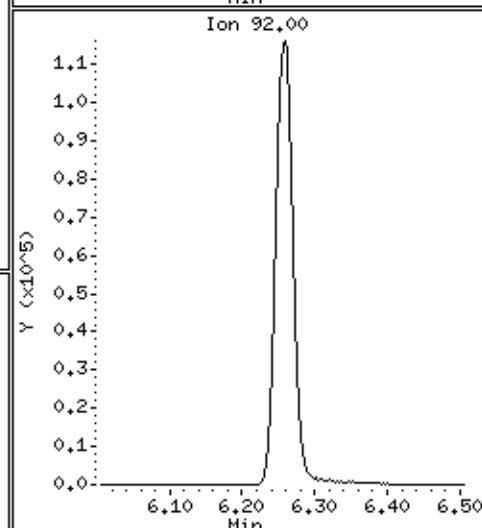
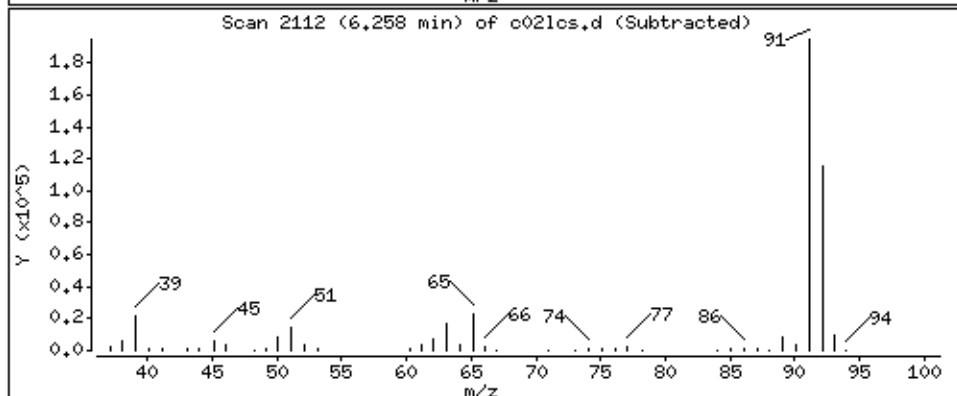
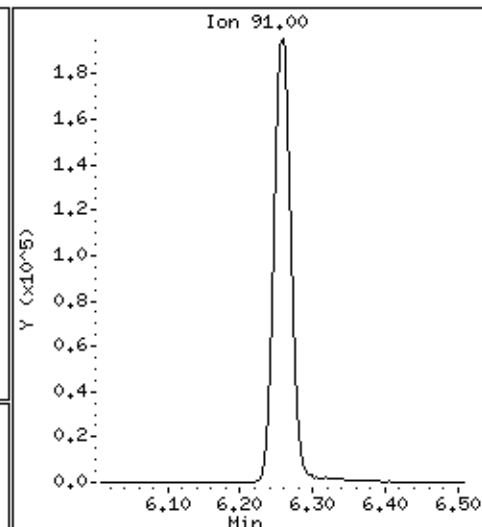
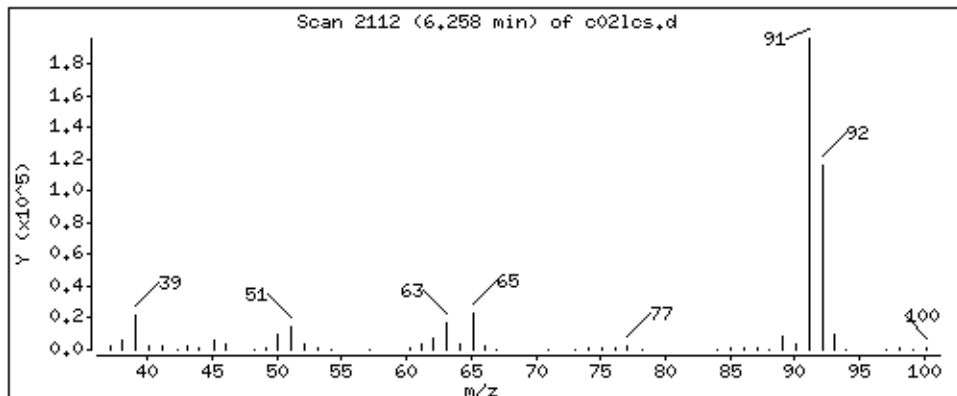
Operator: amv

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 45,7 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

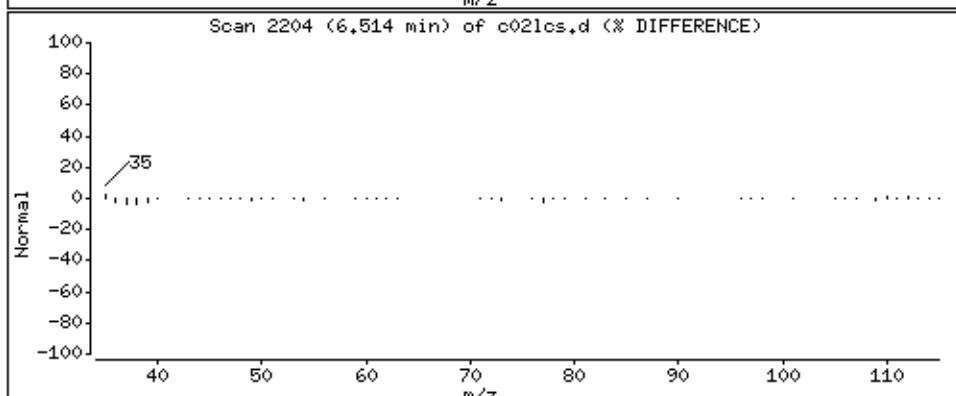
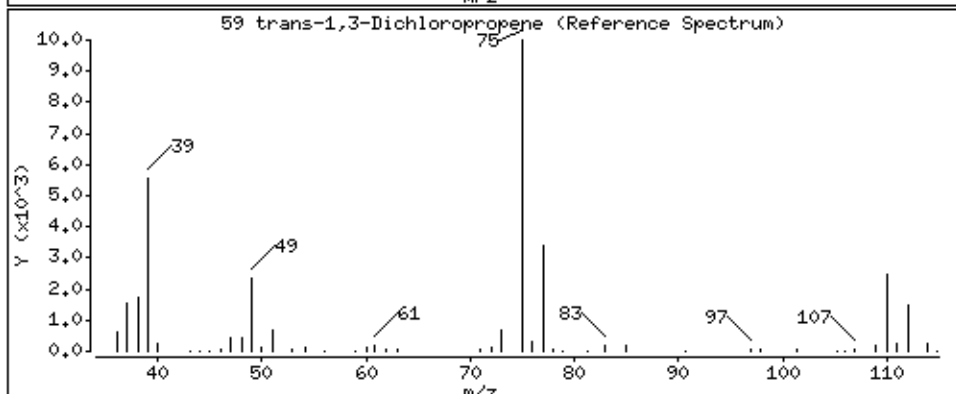
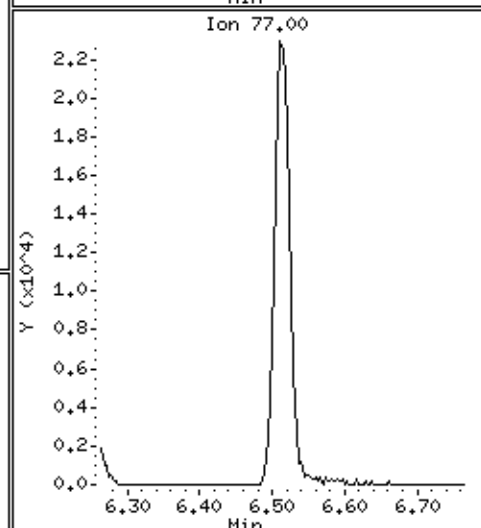
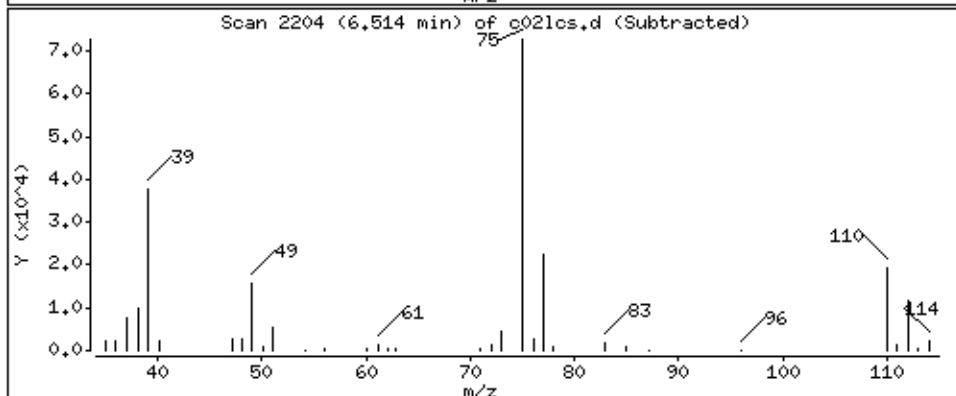
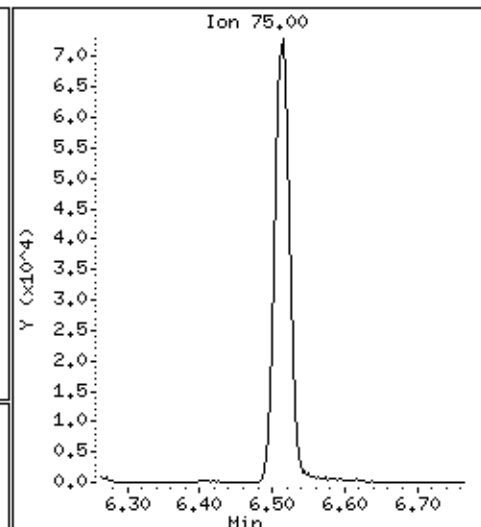
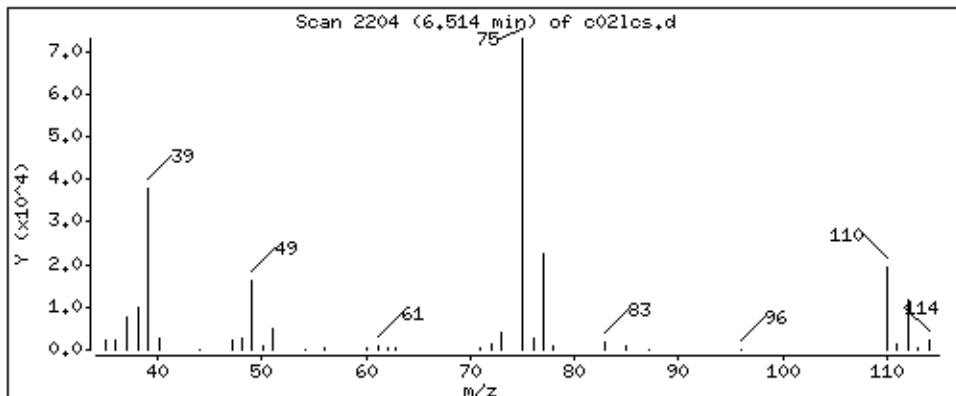
Operator: amv

Column phase: DB-624

Column diameter: 0,18

59 trans-1,3-Dichloropropene

Concentration: 45,4 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

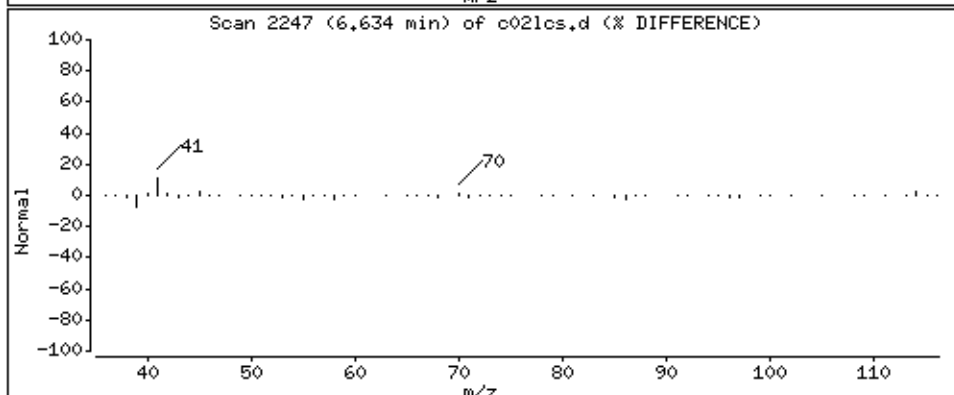
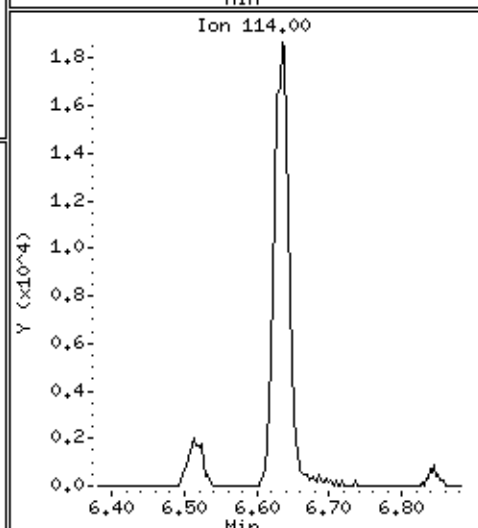
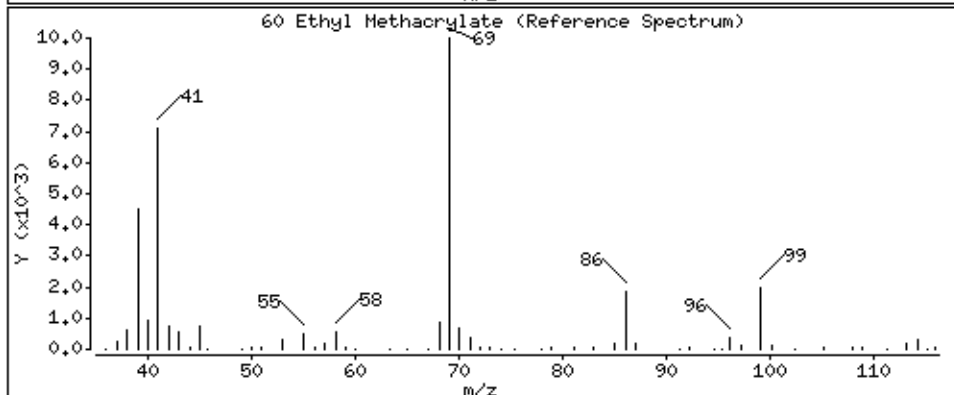
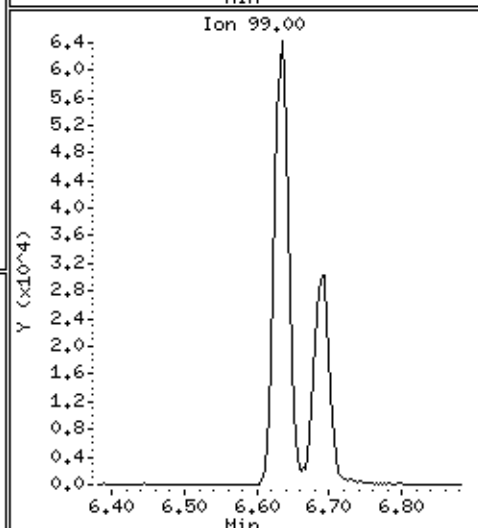
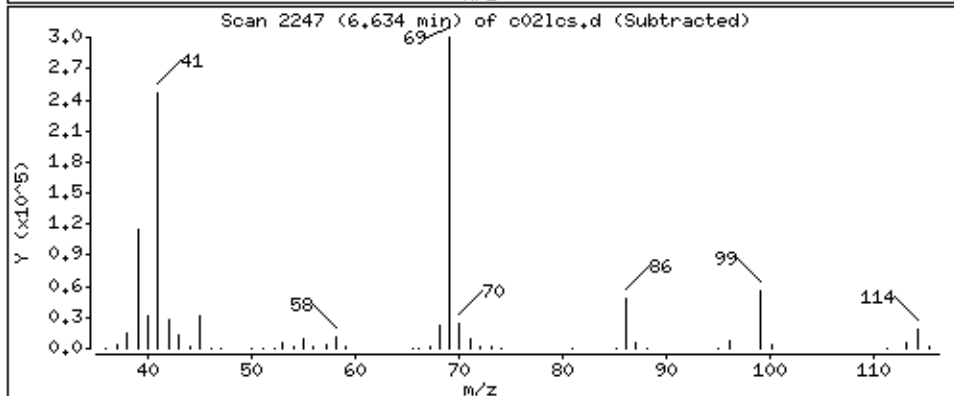
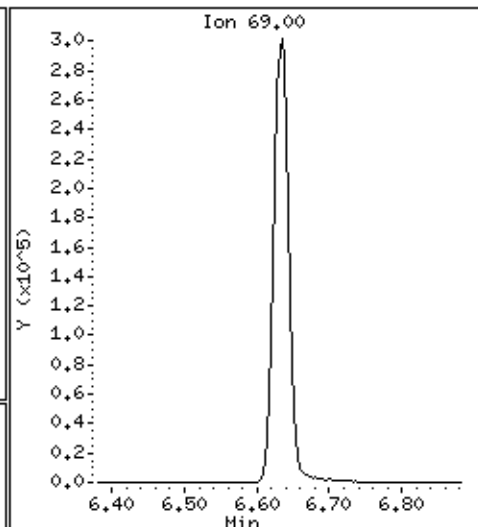
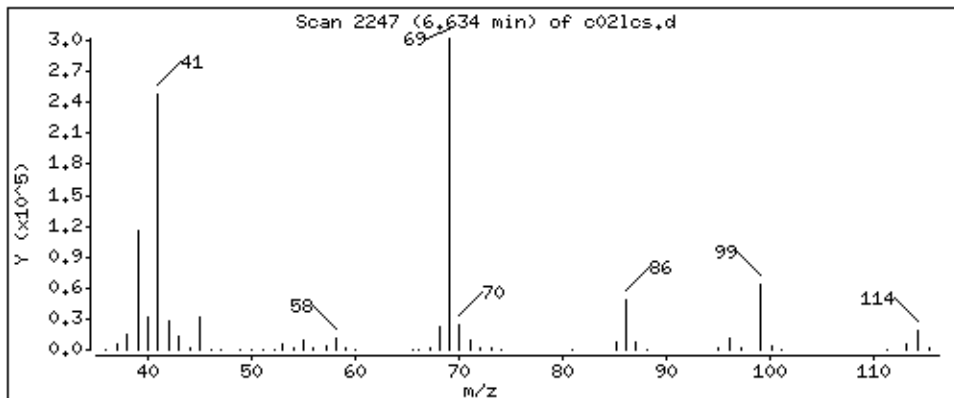
Operator: amv

Column phase: DB-624

Column diameter: 0,18

60 Ethyl Methacrylate

Concentration: 202 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

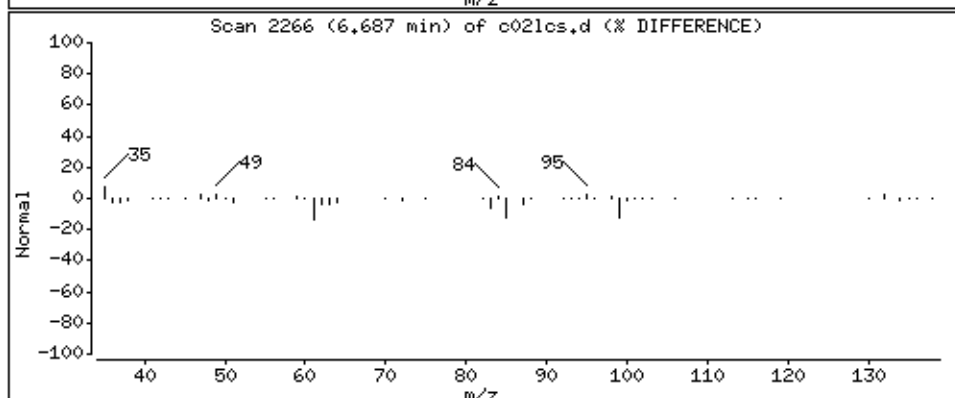
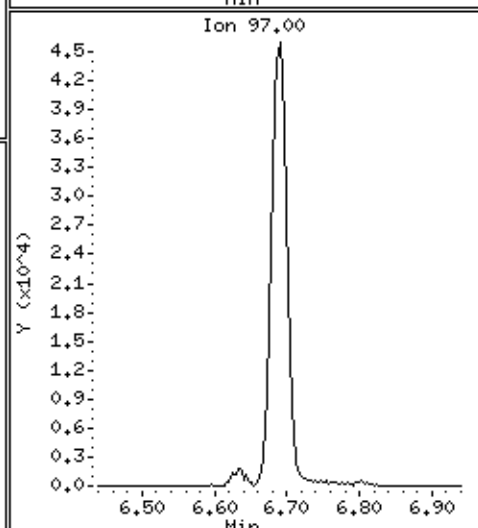
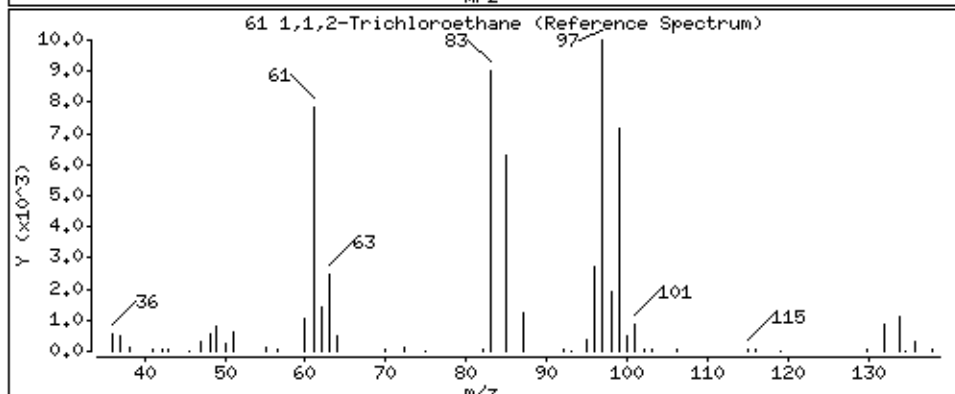
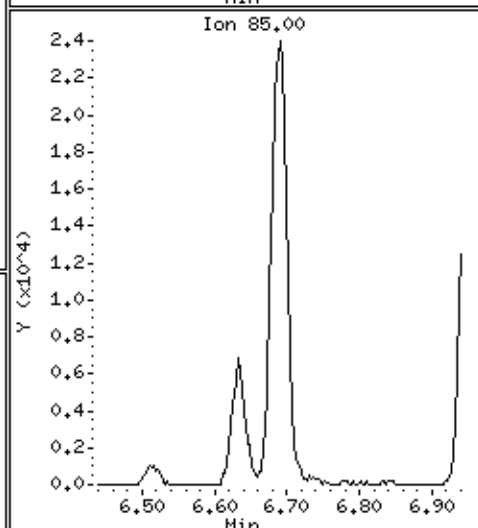
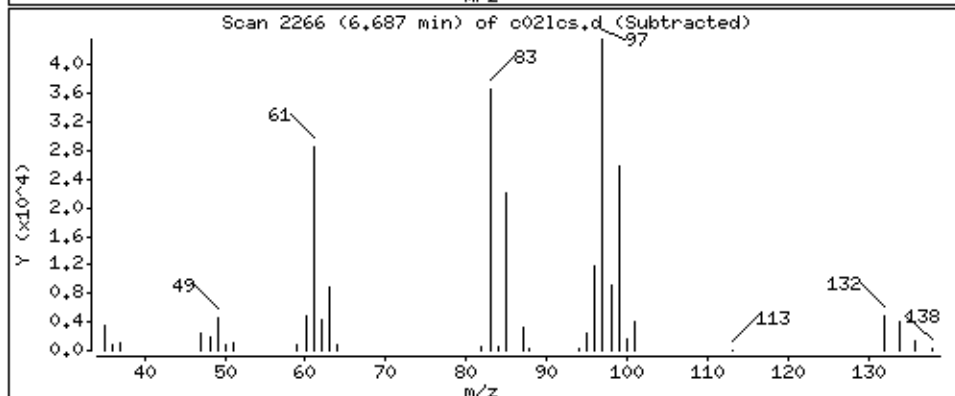
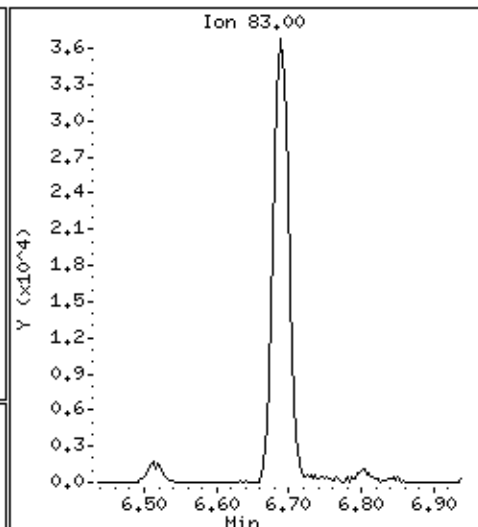
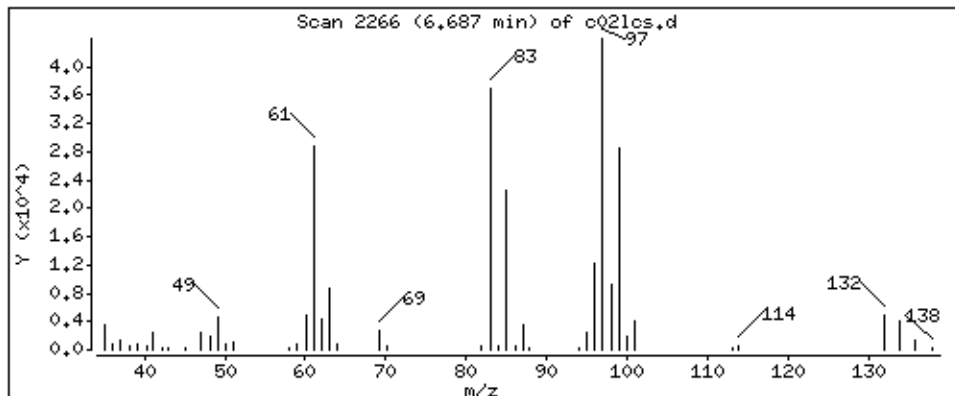
Operator: amv

Column phase: DB-624

Column diameter: 0,18

61 1,1,2-Trichloroethane

Concentration: 54,3 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

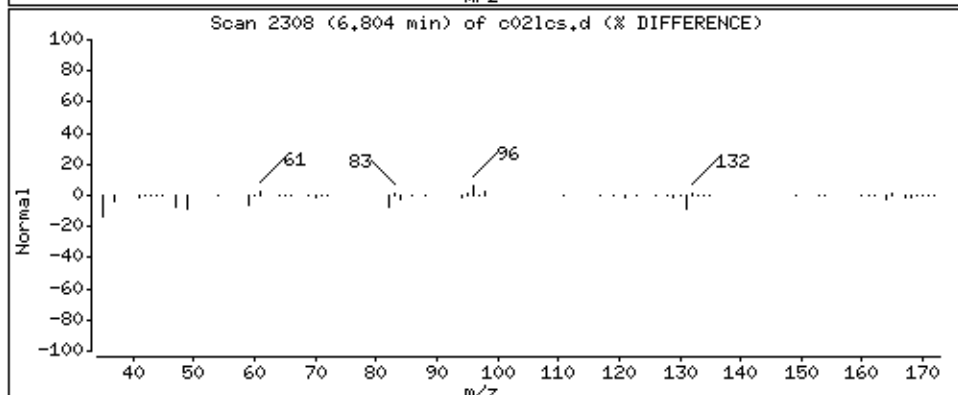
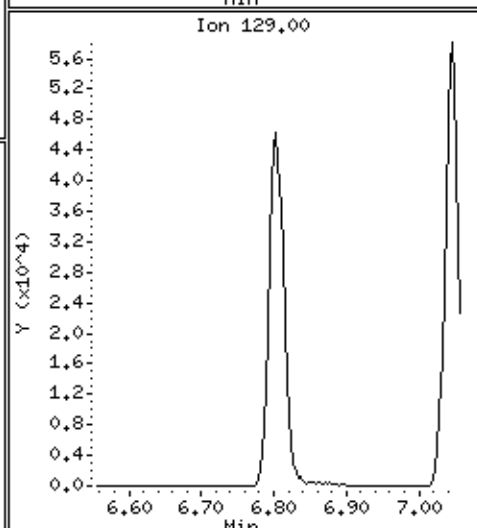
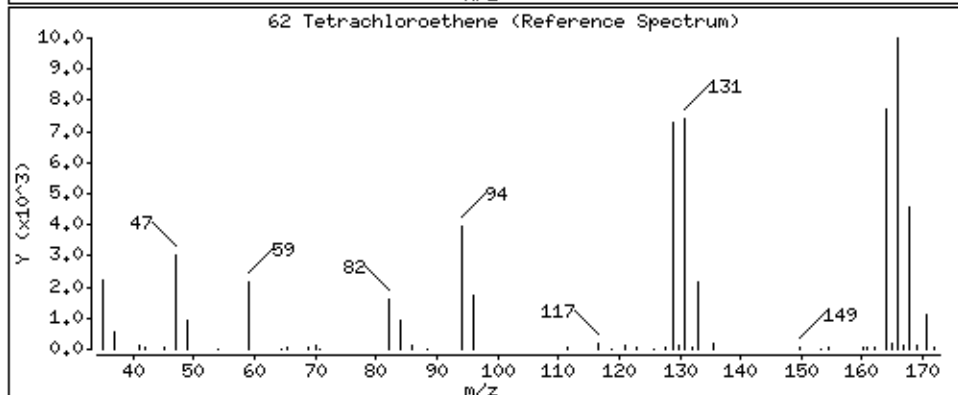
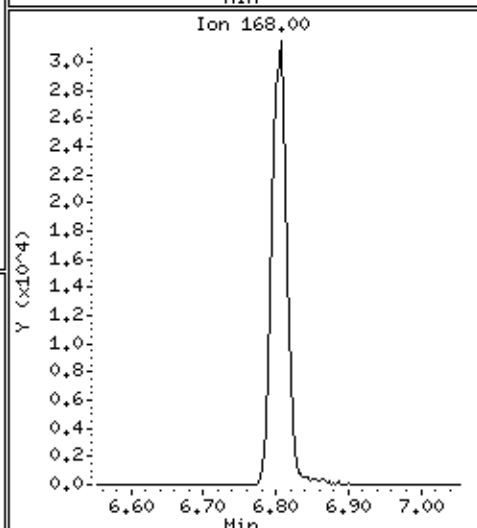
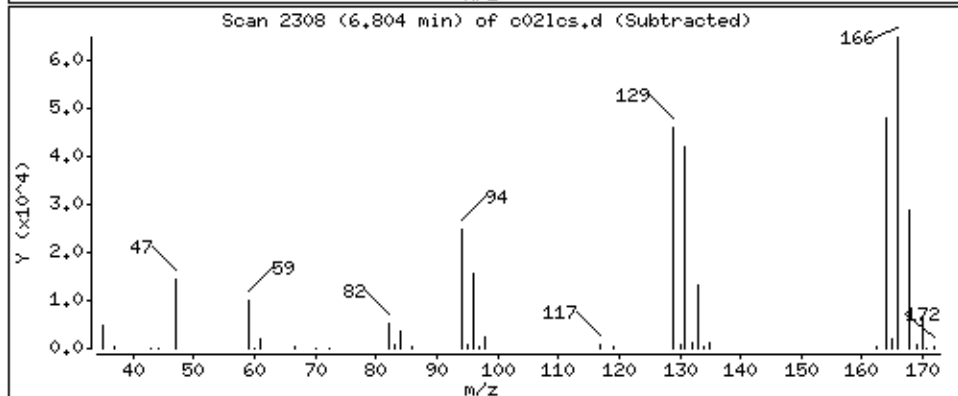
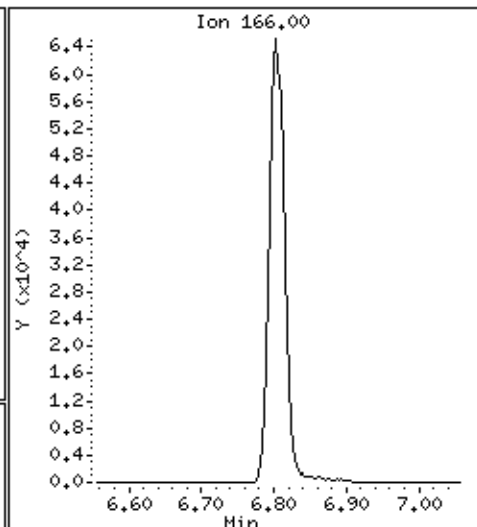
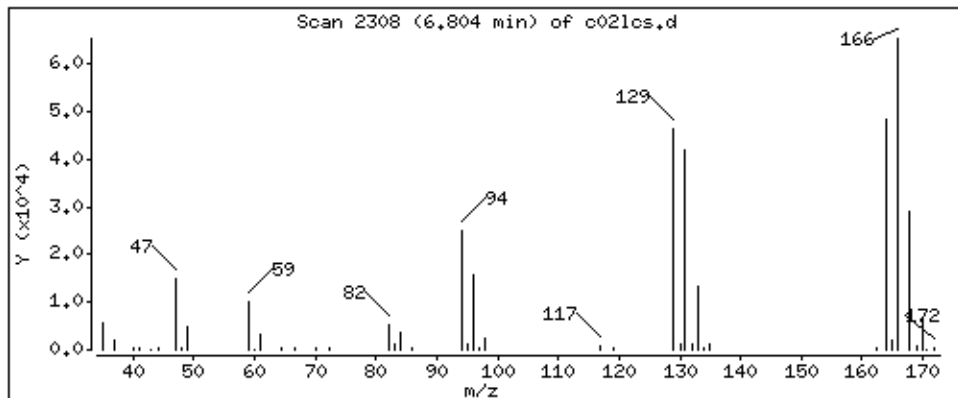
Operator: amv

Column phase: DB-624

Column diameter: 0,18

62 Tetrachloroethene

Concentration: 51.3 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

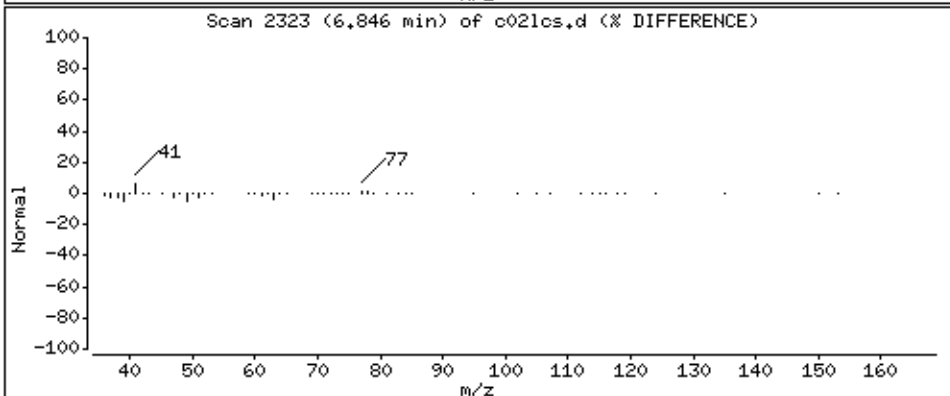
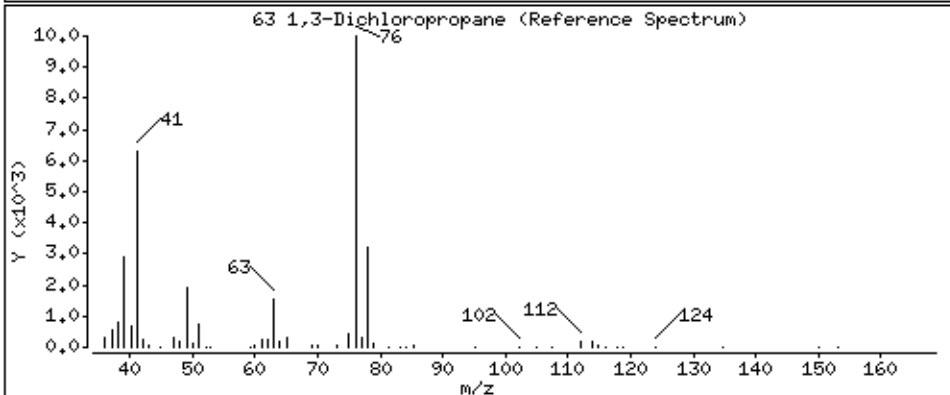
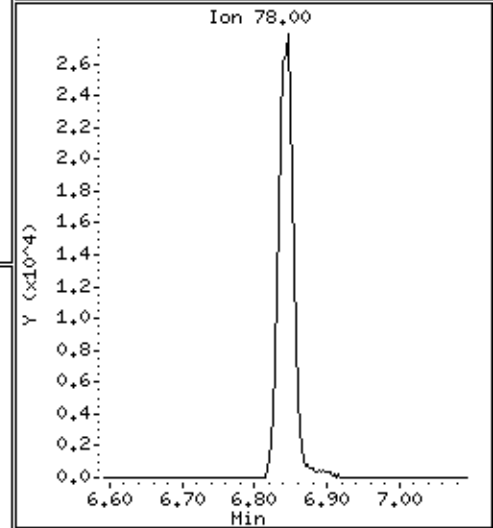
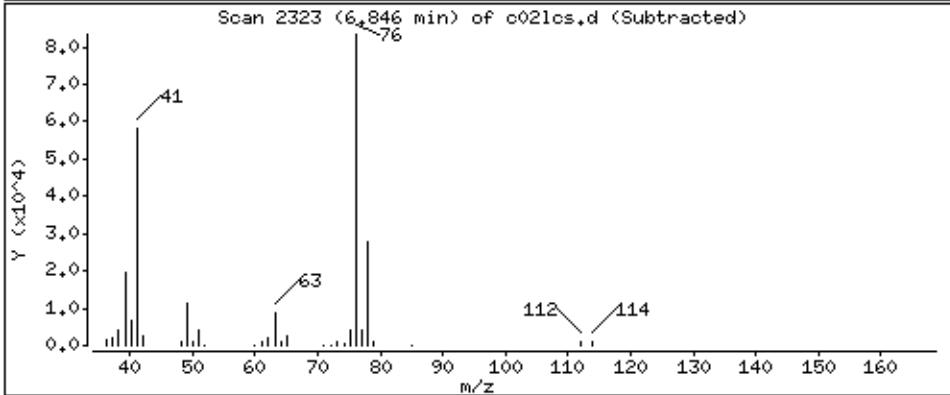
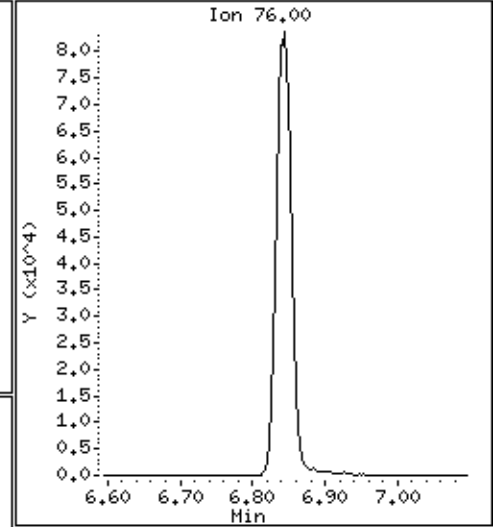
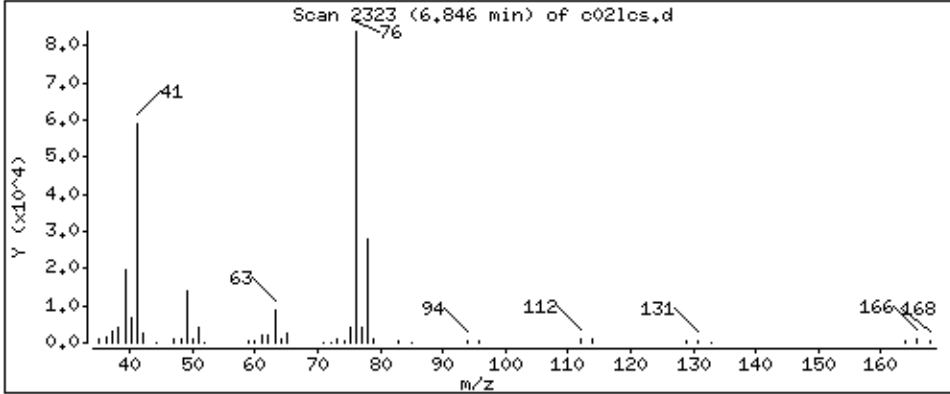
Operator: amv

Column phase: DB-624

Column diameter: 0,18

63 1,3-Dichloropropane

Concentration: 53,5 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

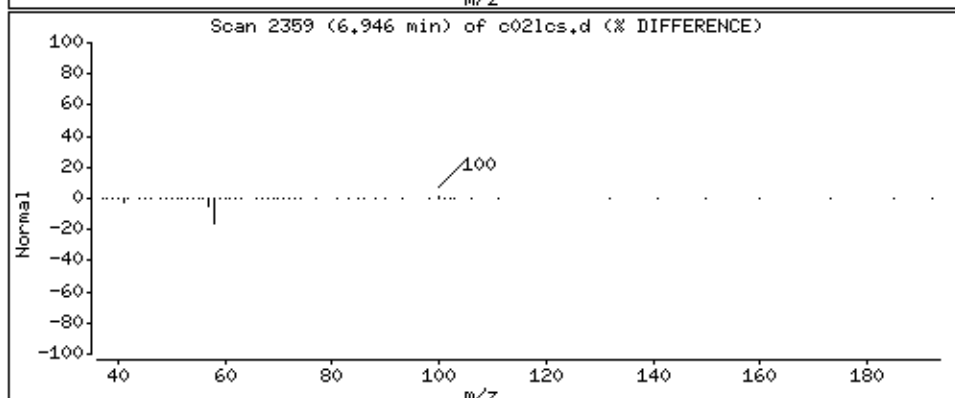
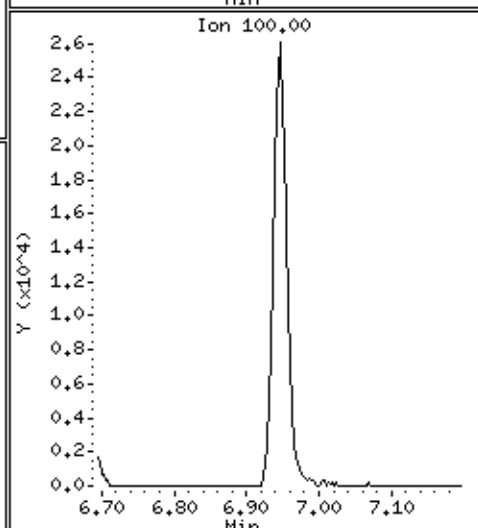
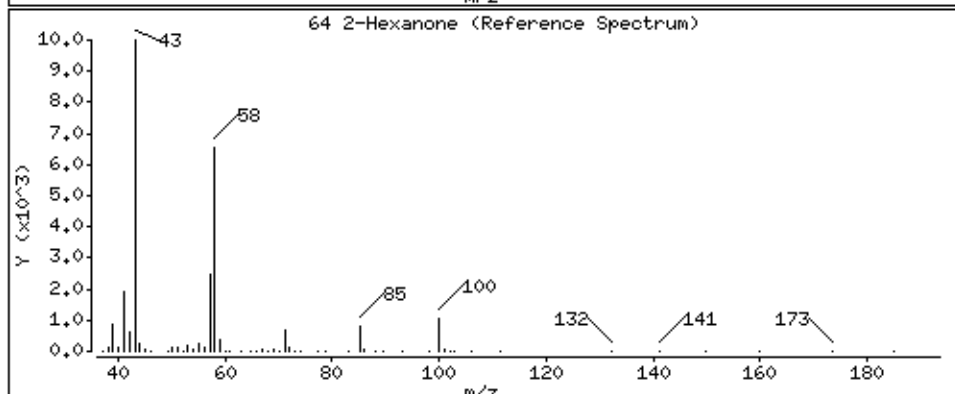
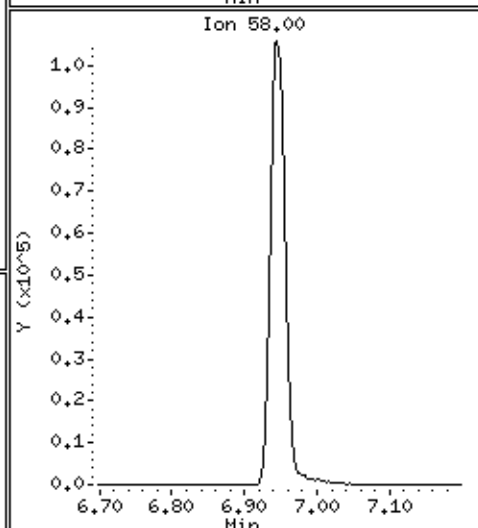
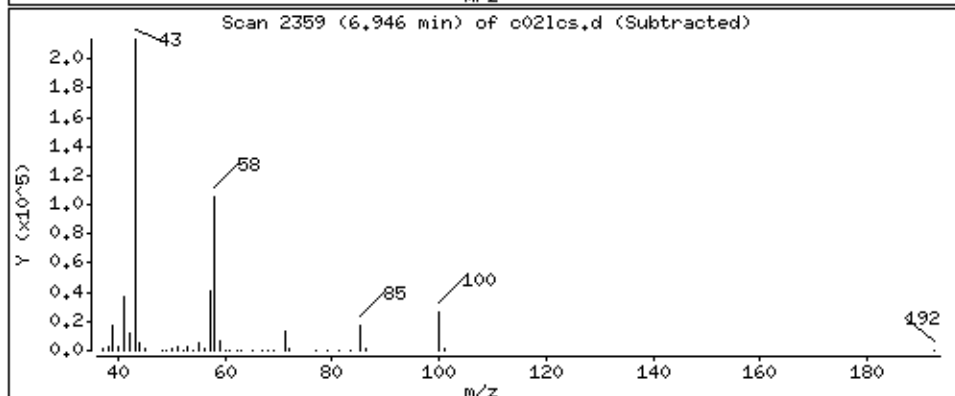
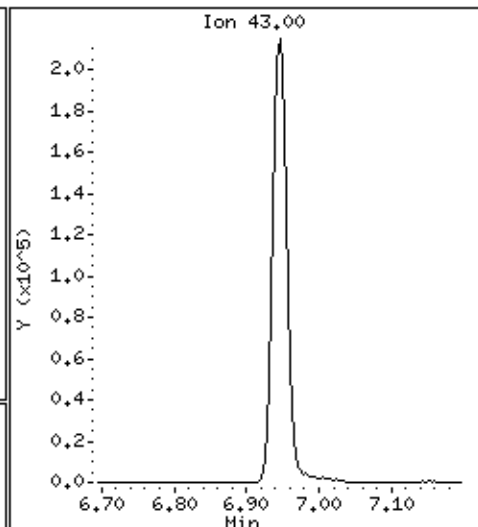
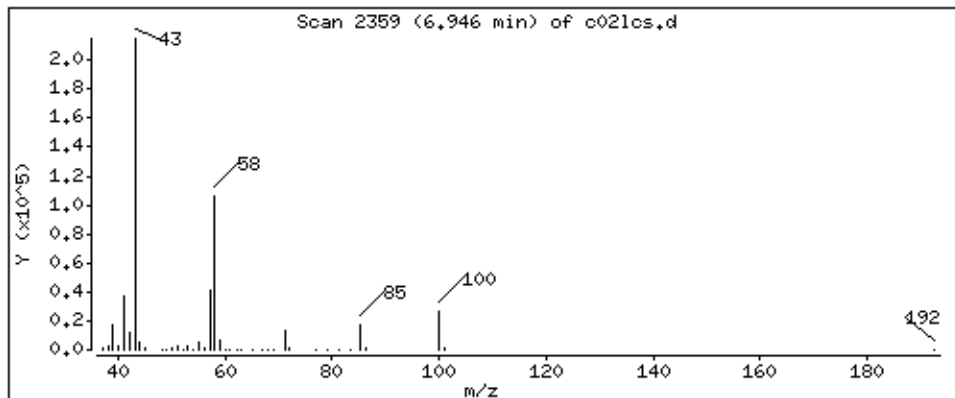
Operator: amv

Column phase: DB-624

Column diameter: 0,18

64 2-Hexanone

Concentration: 216 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

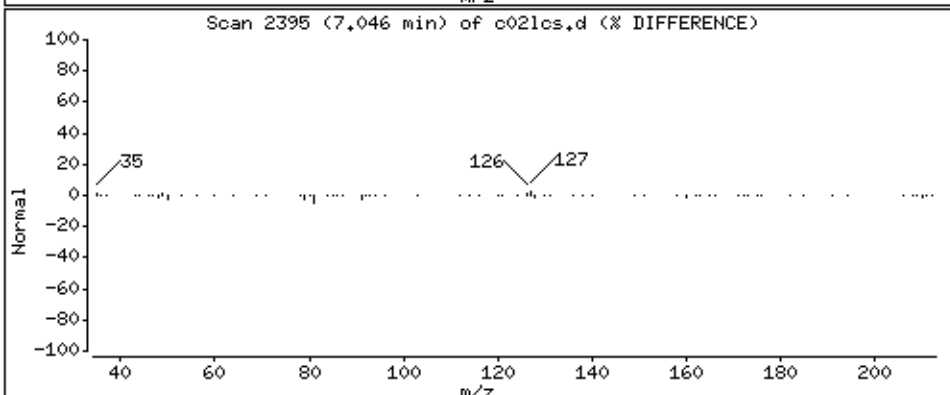
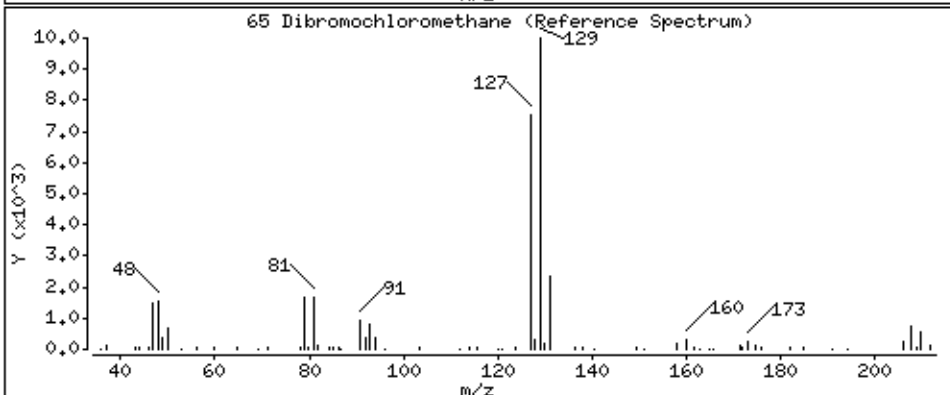
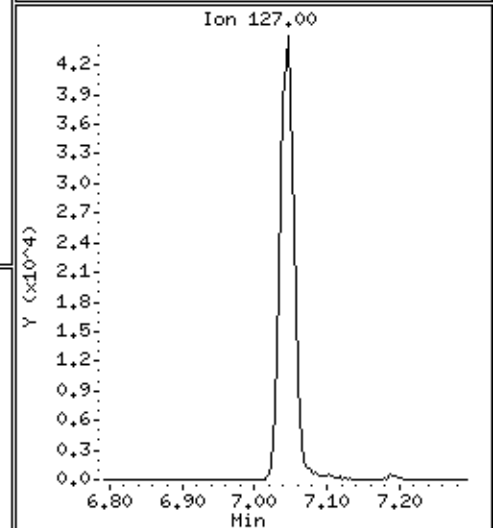
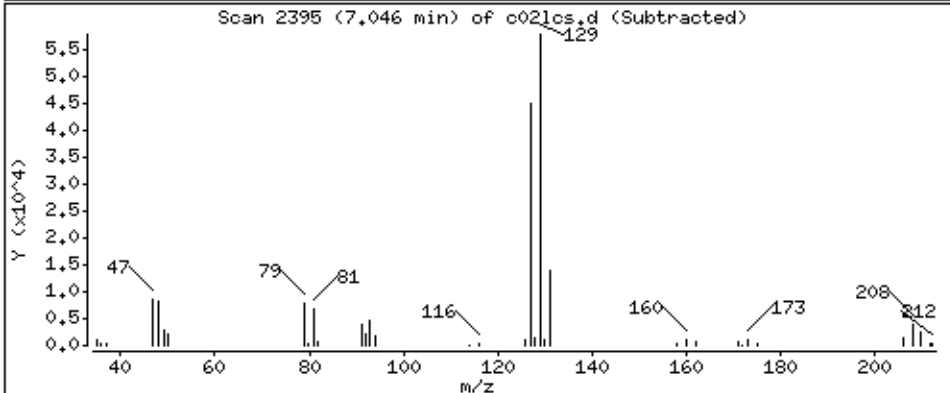
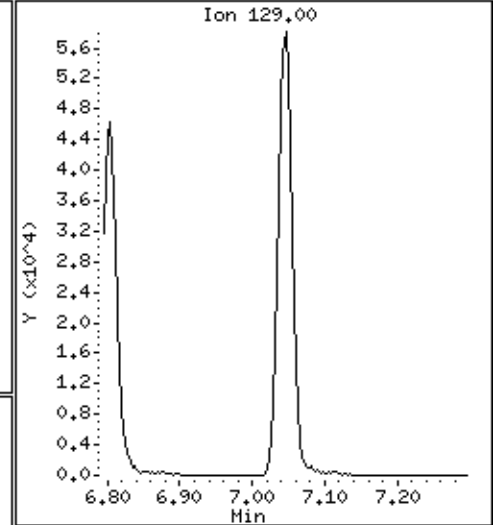
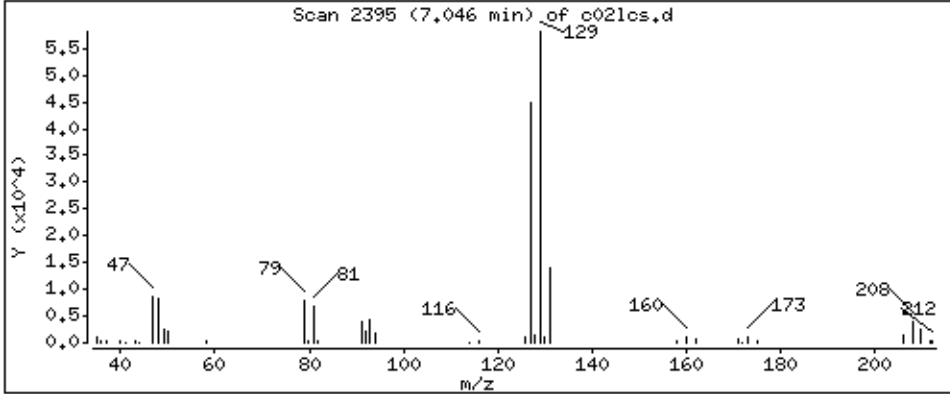
Operator: amv

Column phase: DB-624

Column diameter: 0,18

65 Dibromochloromethane

Concentration: 51.3 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

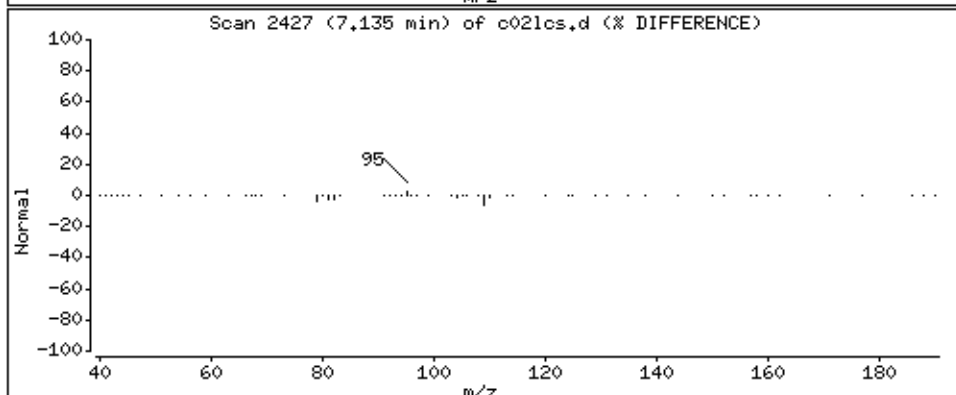
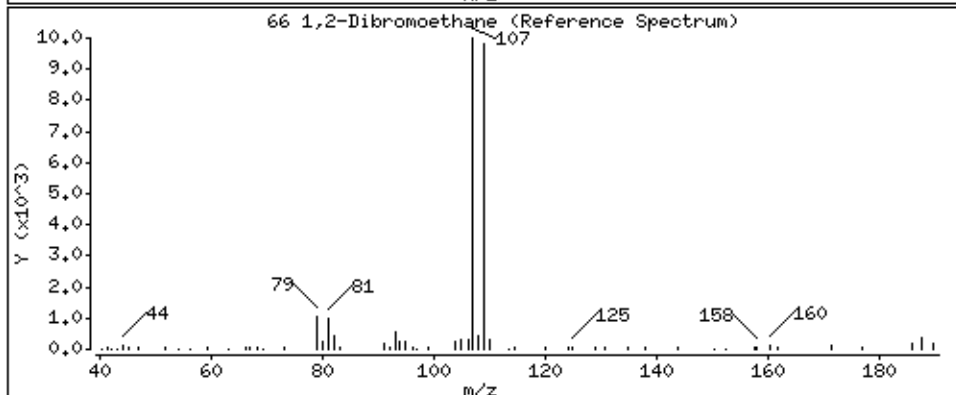
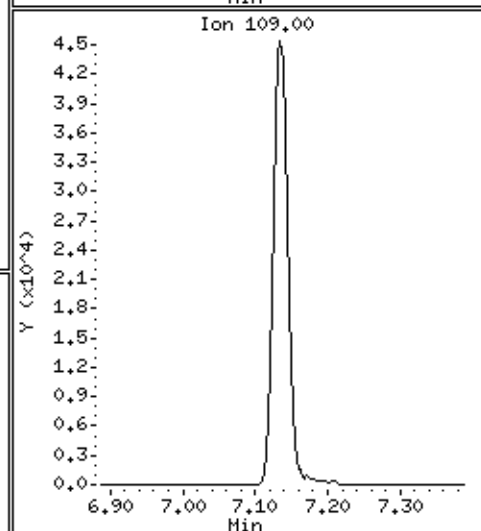
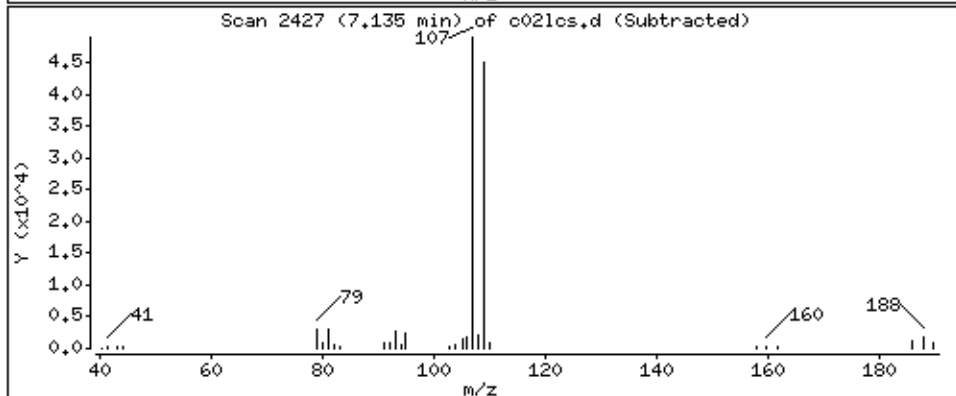
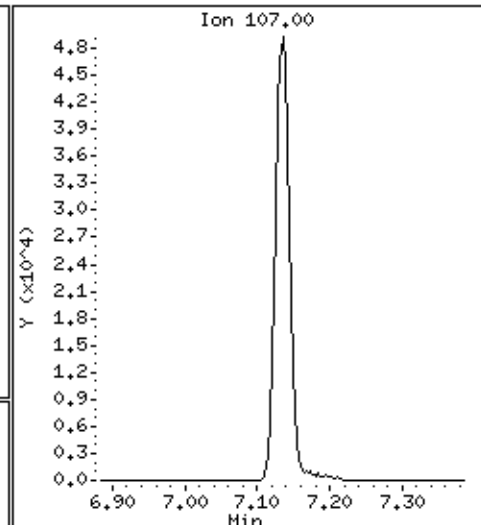
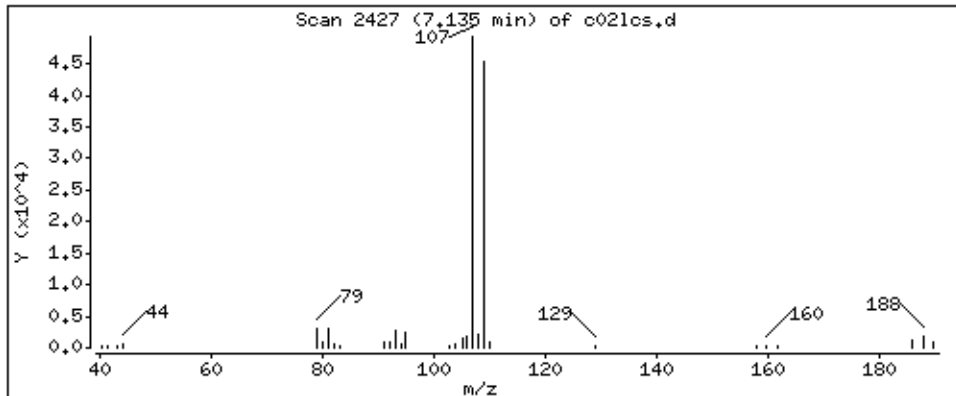
Operator: amv

Column phase: DB-624

Column diameter: 0,18

66 1,2-Dibromoethane

Concentration: 52.1 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

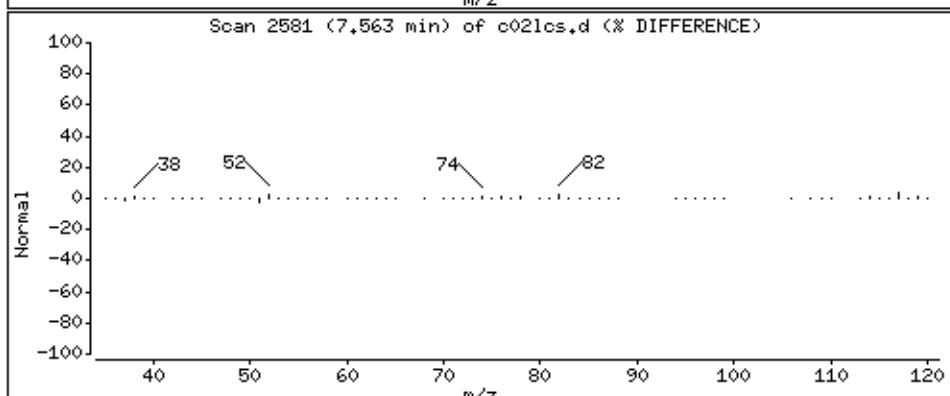
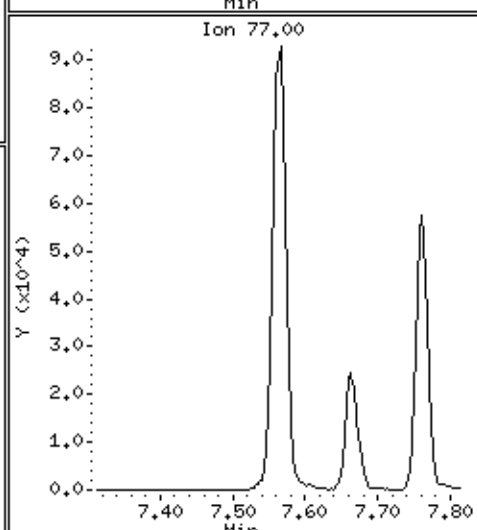
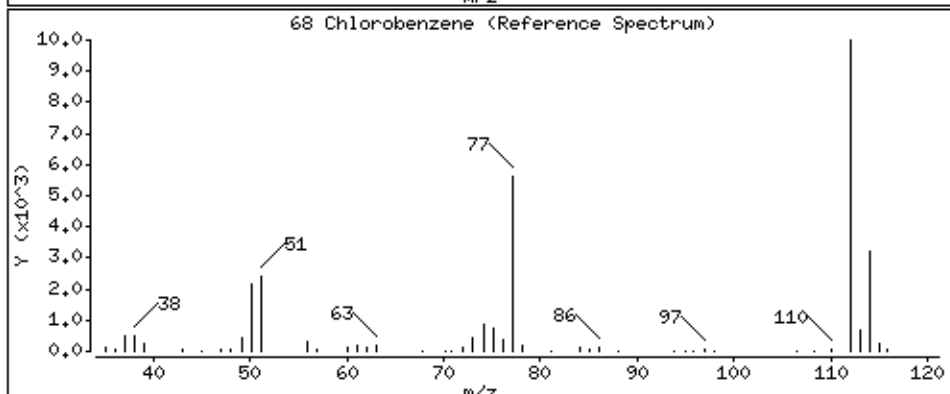
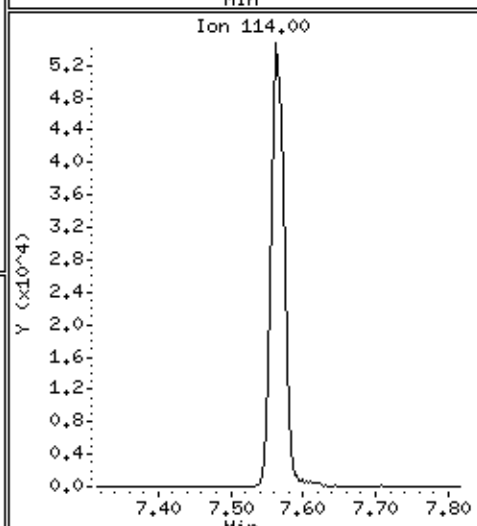
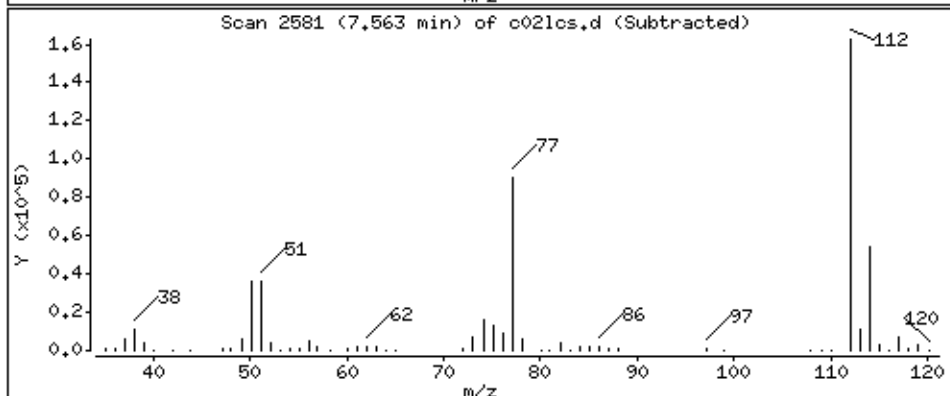
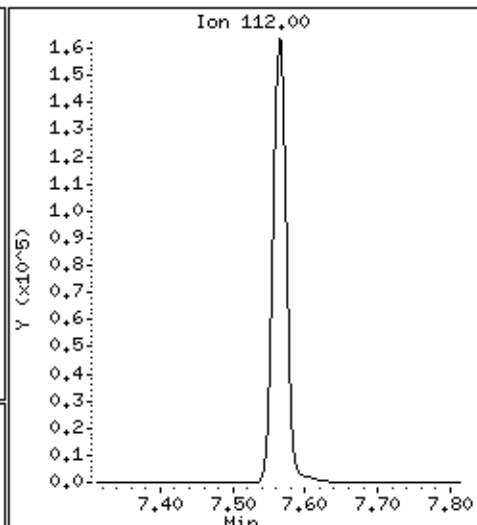
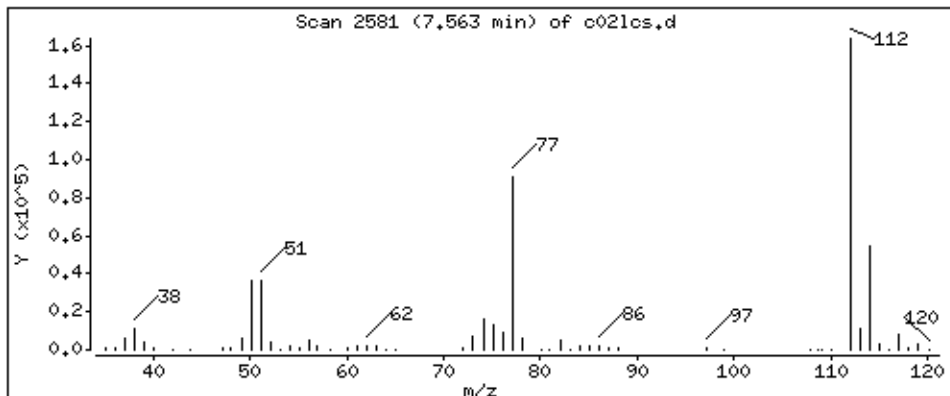
Operator: amv

Column phase: DB-624

Column diameter: 0,18

68 Chlorobenzene

Concentration: 51.2 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

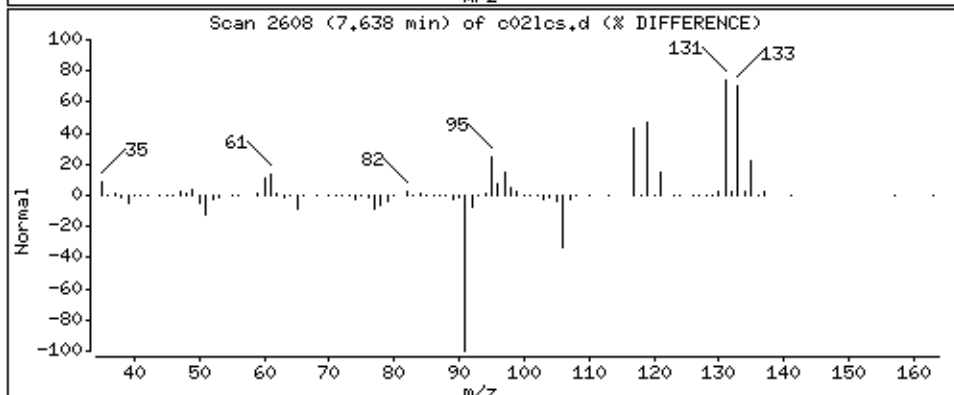
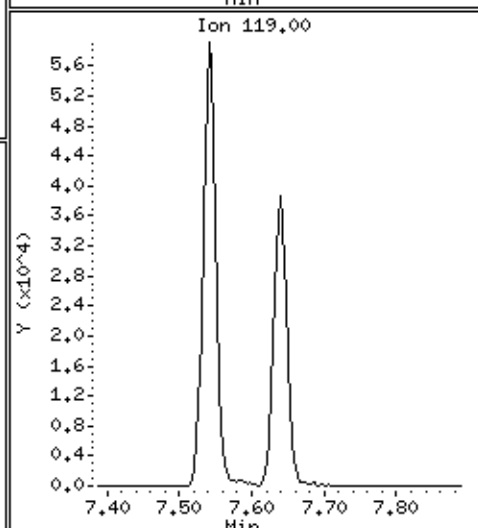
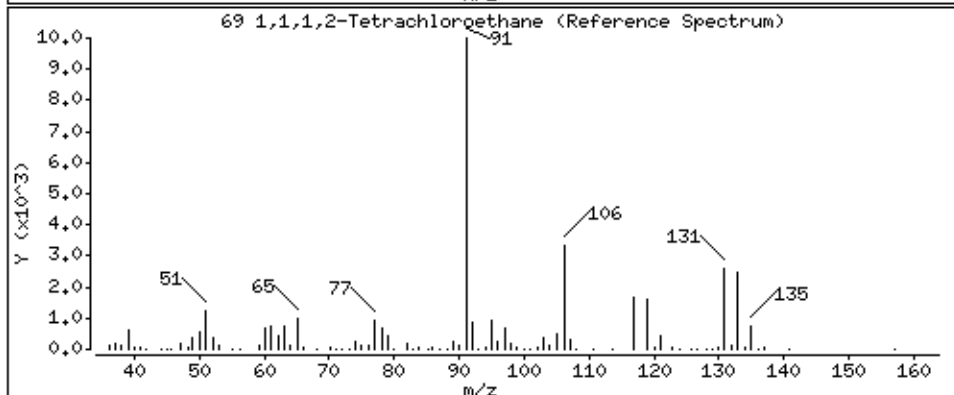
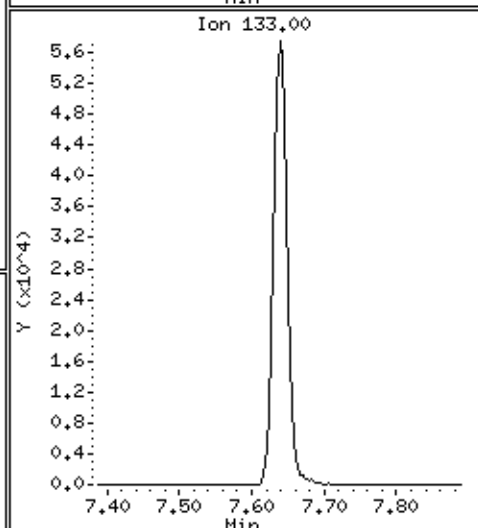
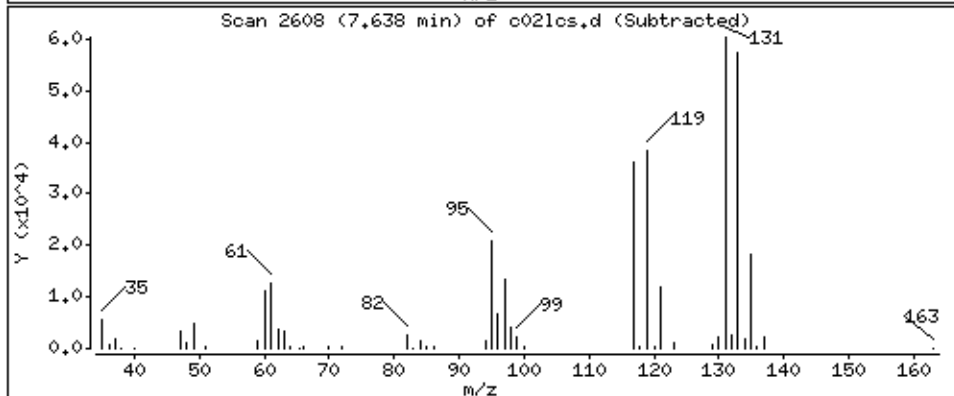
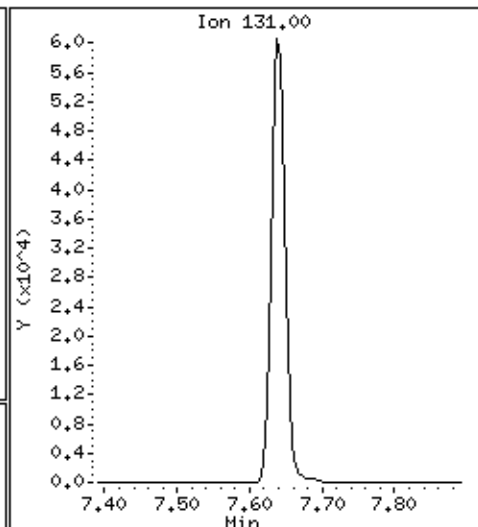
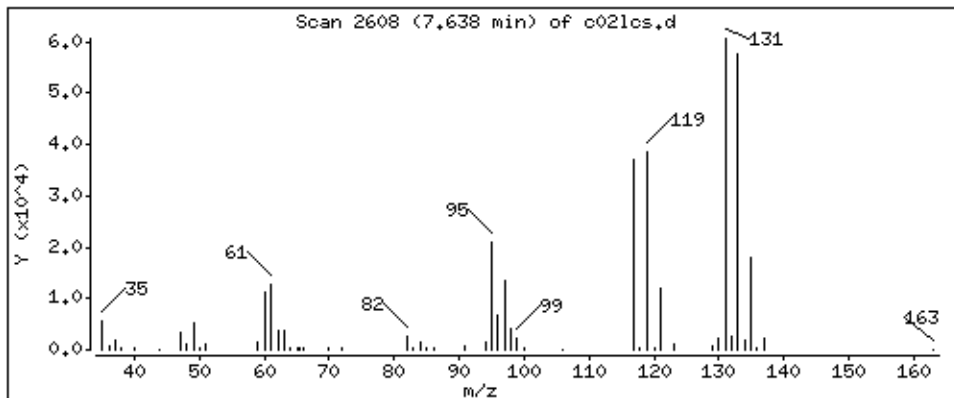
Operator: amv

Column phase: DB-624

Column diameter: 0,18

69 1,1,1,2-Tetrachloroethane

Concentration: 50,0 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

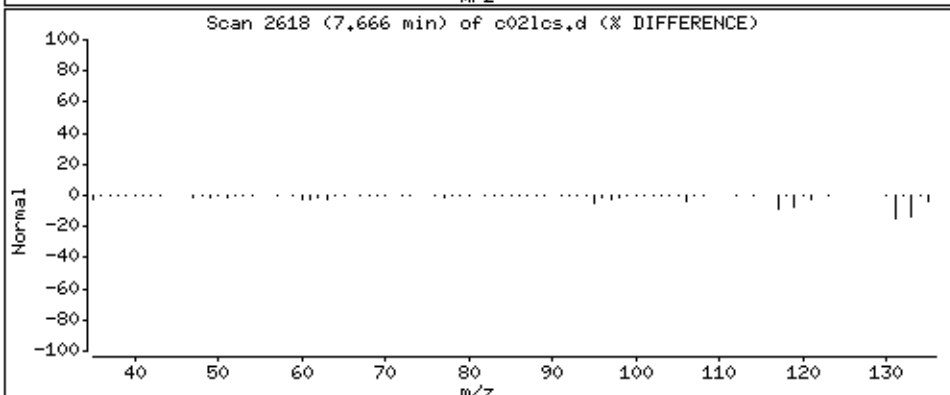
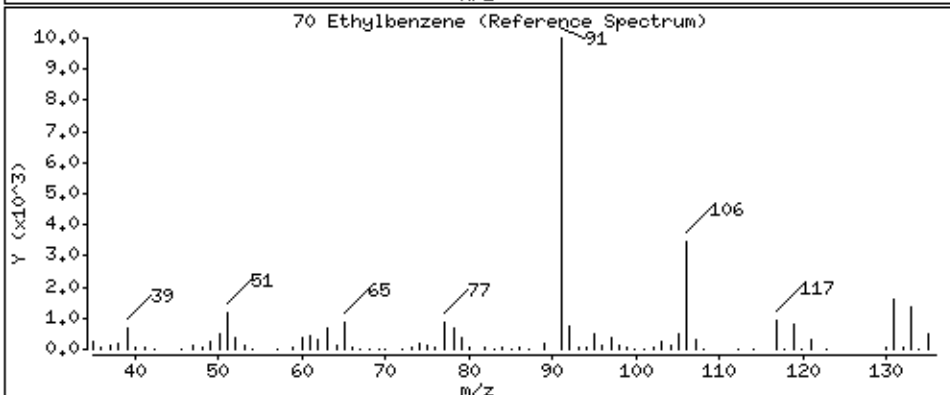
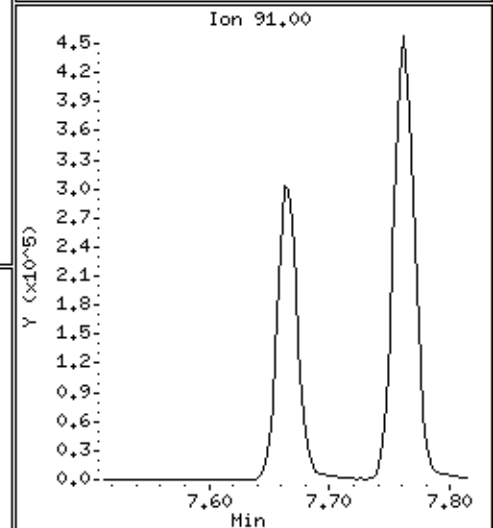
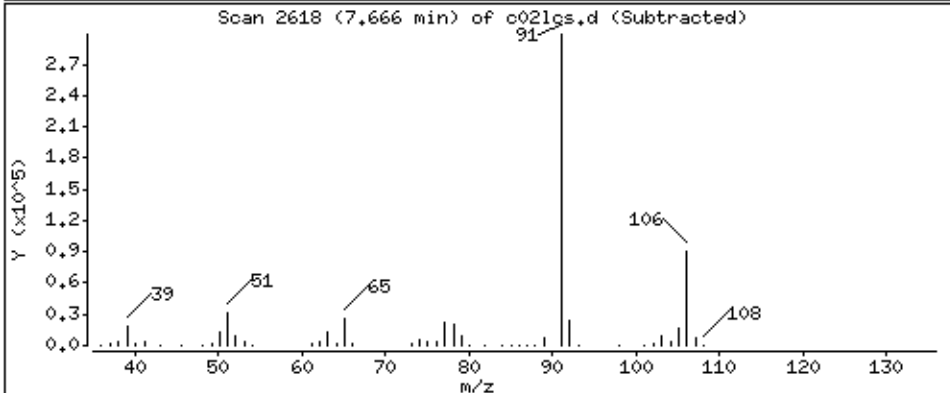
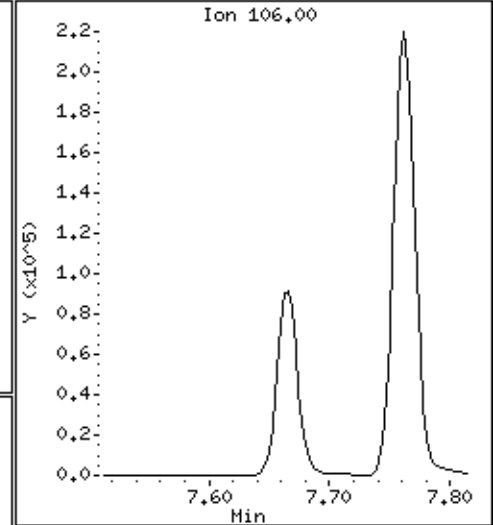
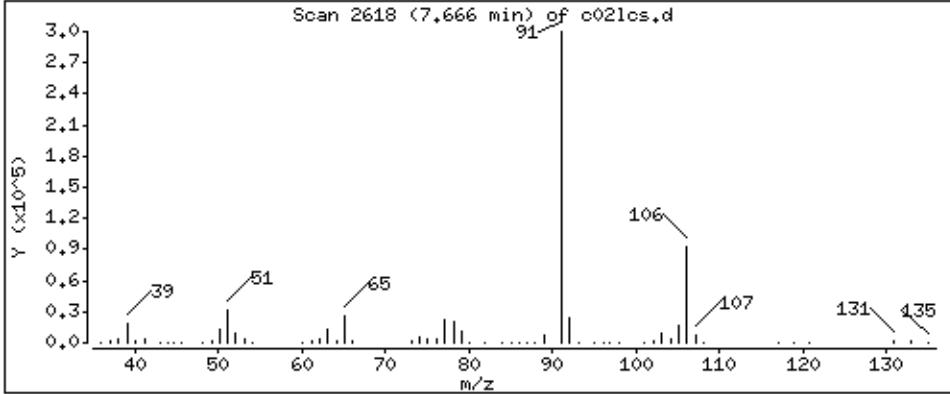
Operator: amv

Column phase: DB-624

Column diameter: 0.18

70 Ethylbenzene

Concentration: 49.6 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

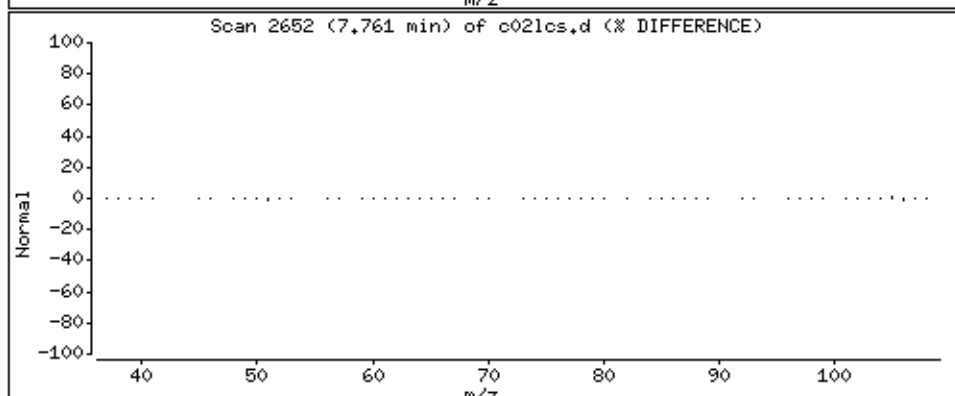
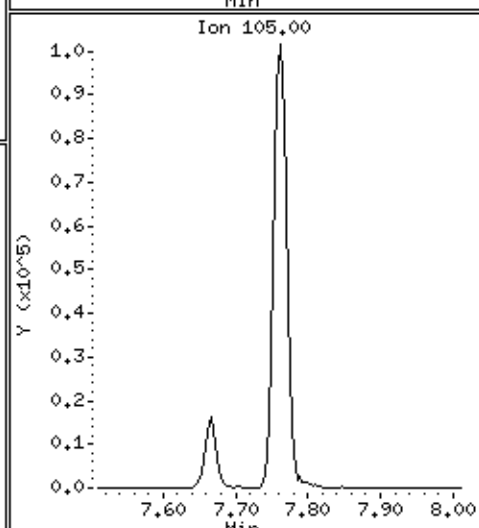
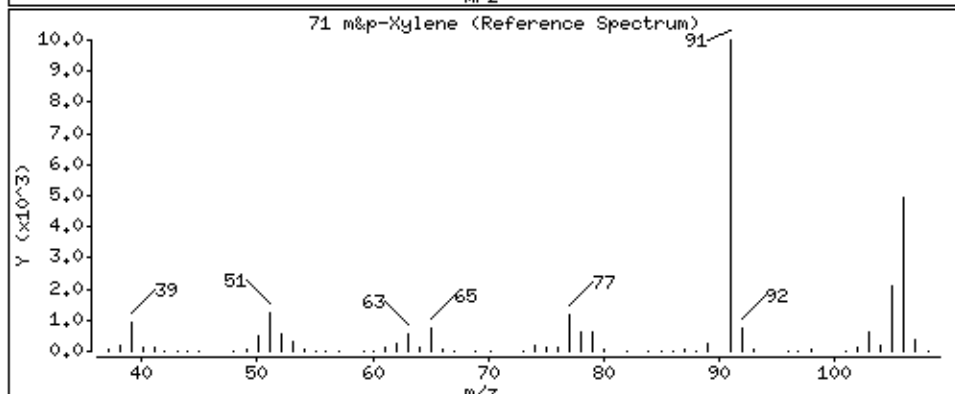
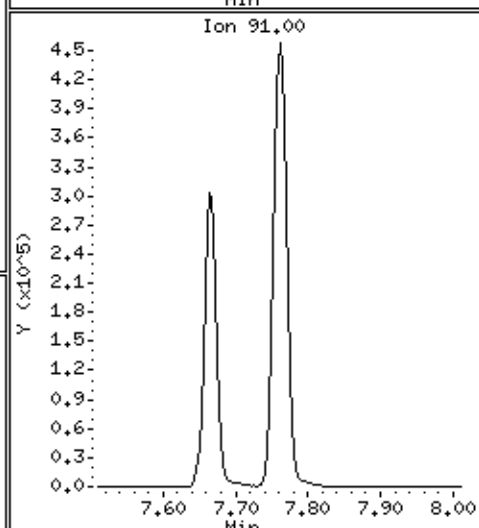
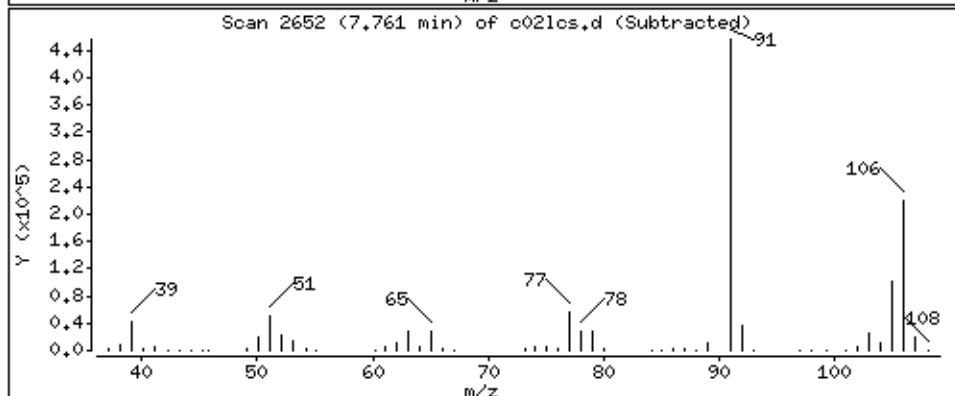
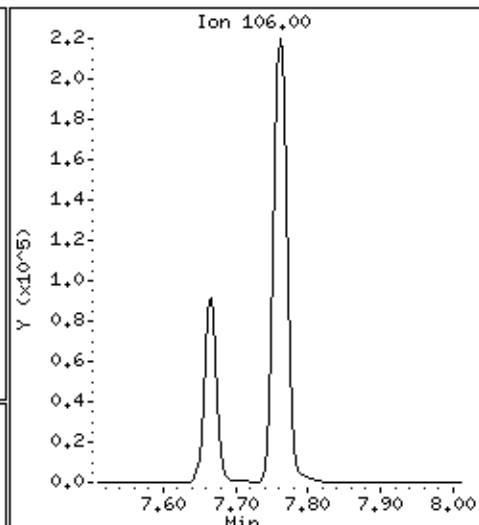
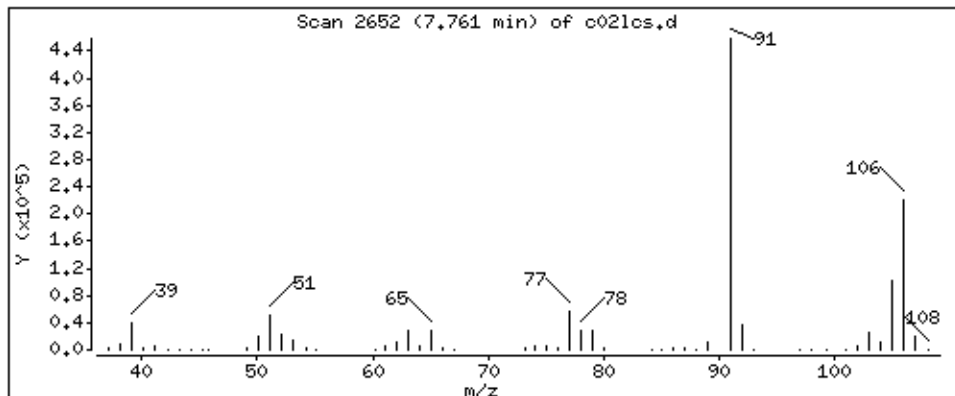
Operator: amv

Column phase: DB-624

Column diameter: 0,18

71 m&p-Xylene

Concentration: 96,9 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

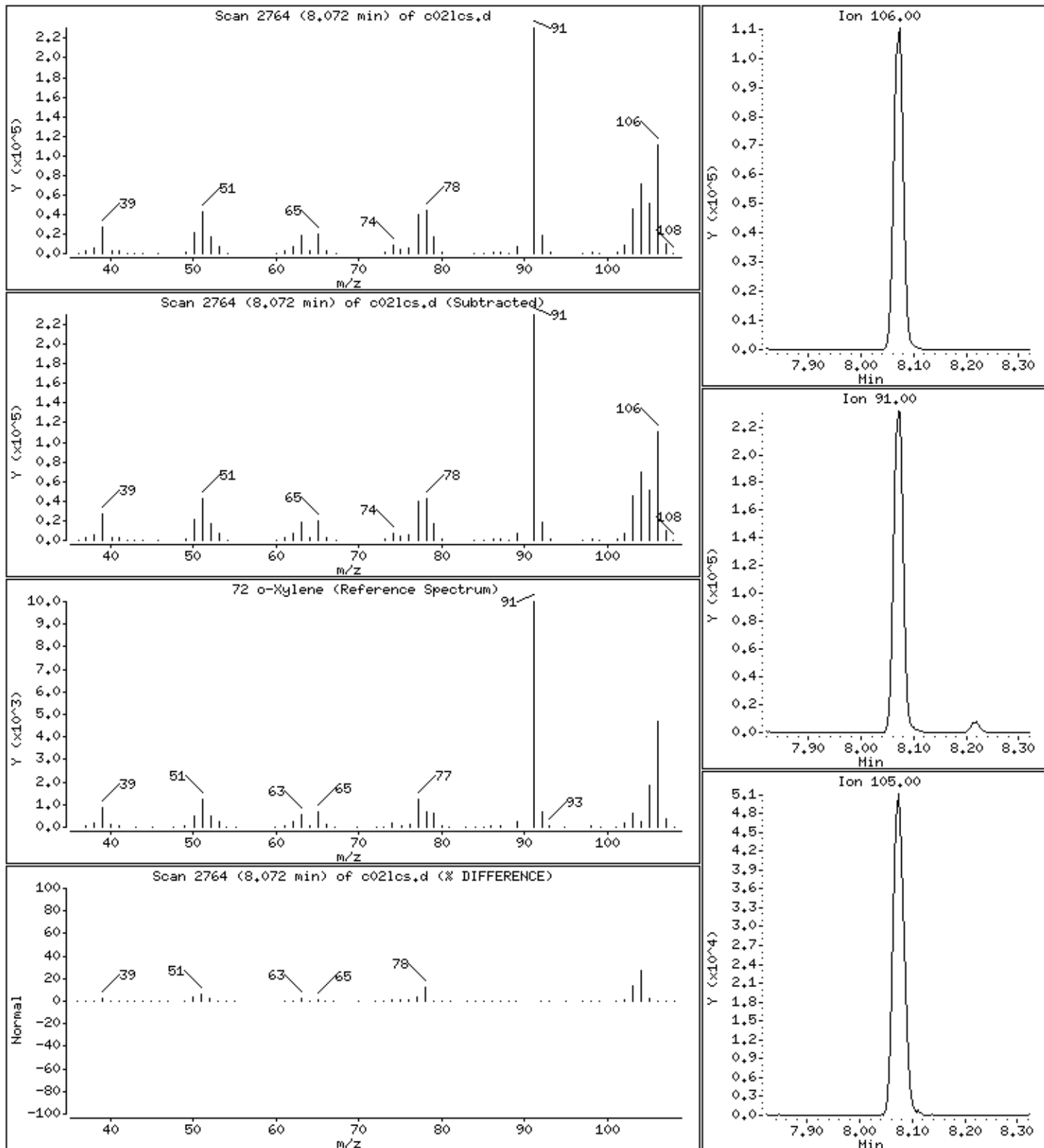
Operator: amv

Column phase: DB-624

Column diameter: 0.18

72 o-Xylene

Concentration: 51.3 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

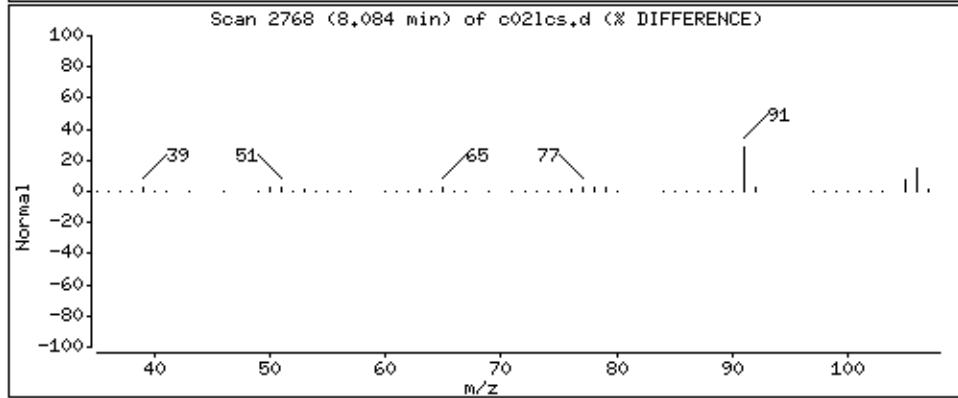
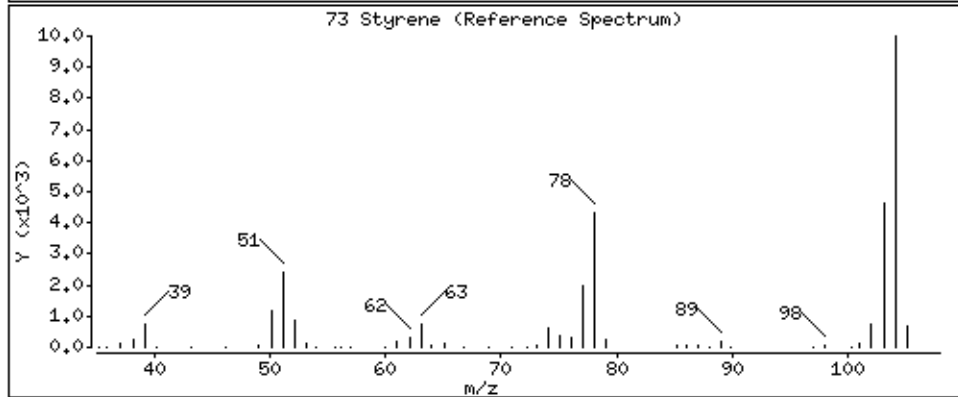
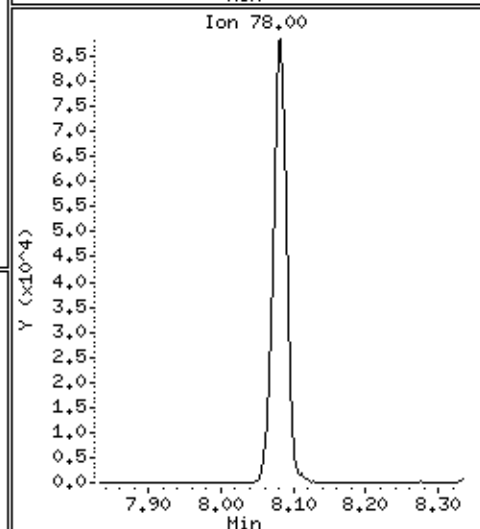
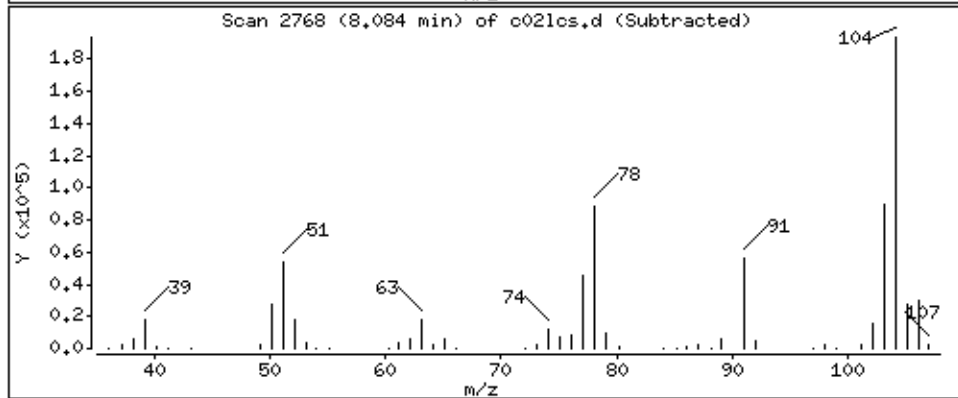
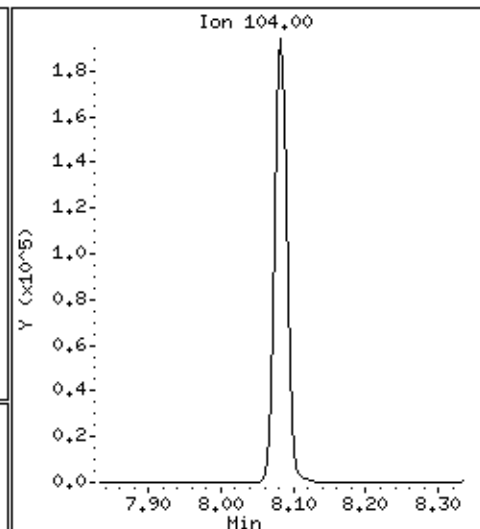
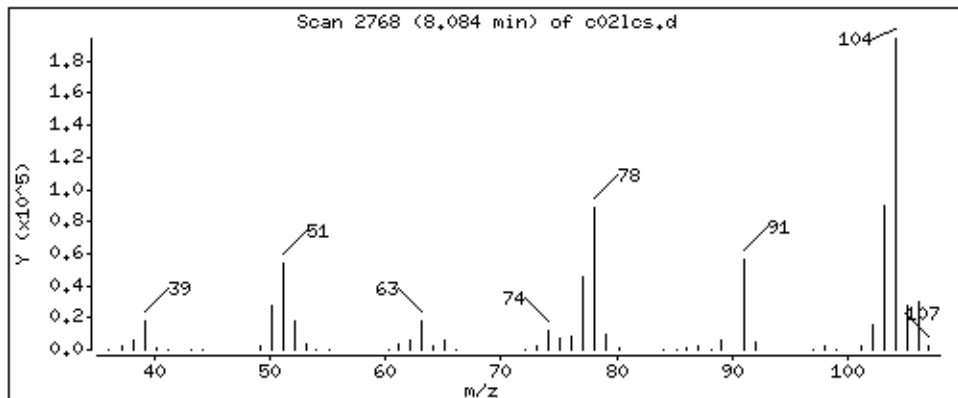
Operator: amv

Column phase: DB-624

Column diameter: 0,18

73 Styrene

Concentration: 49.8 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

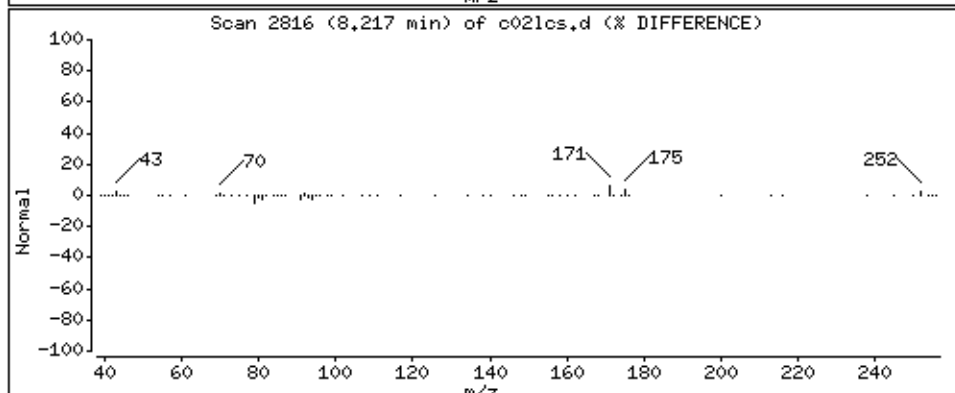
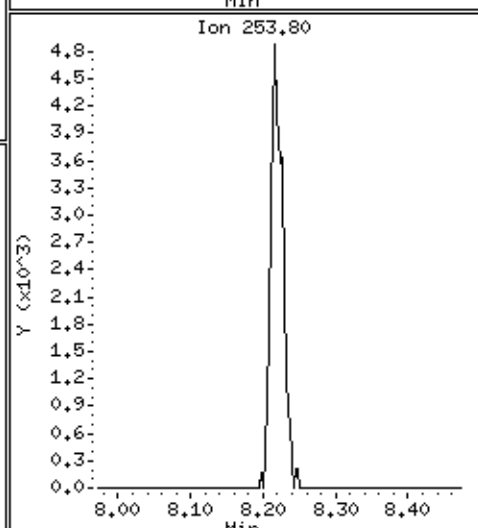
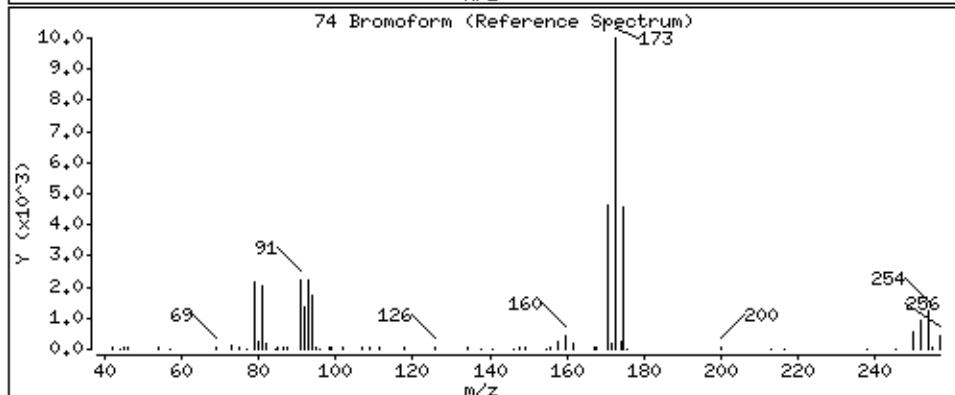
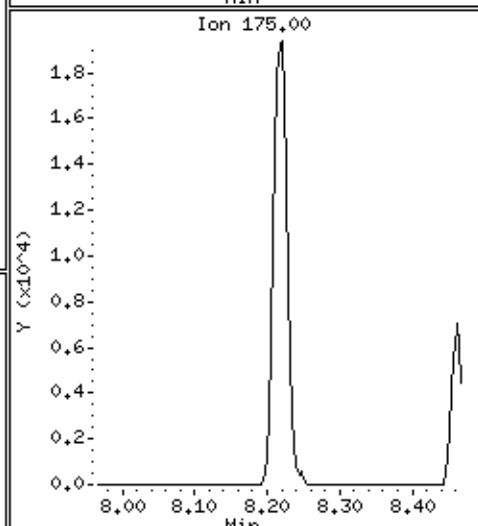
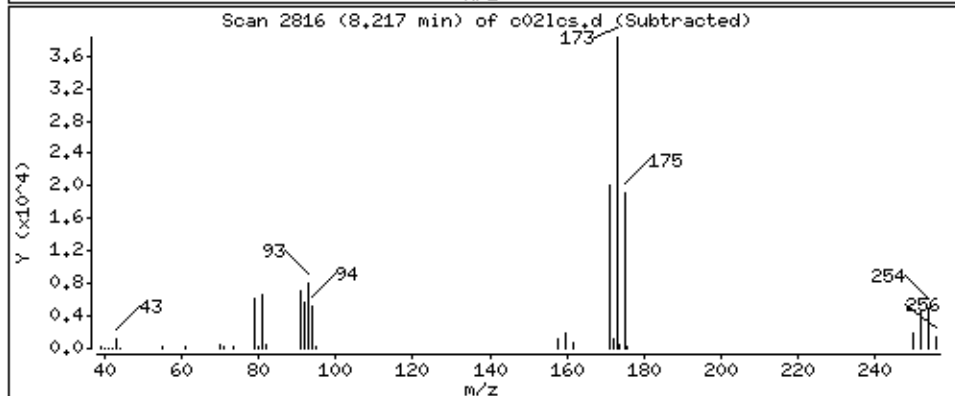
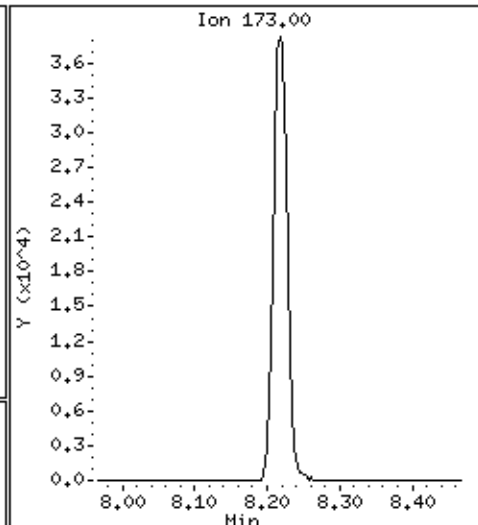
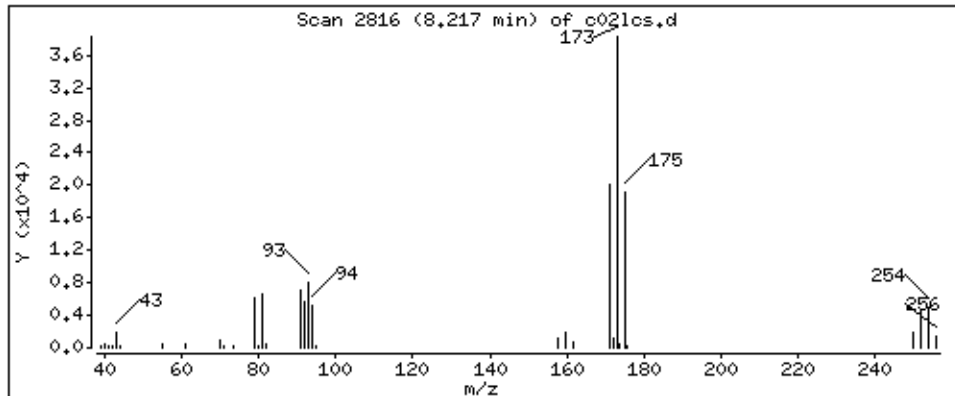
Operator: amv

Column phase: DB-624

Column diameter: 0,18

74 Bromoform

Concentration: 43,6 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

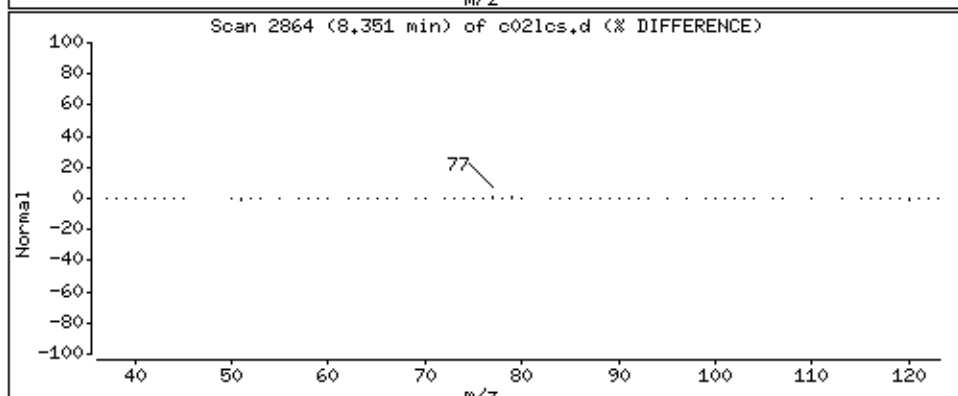
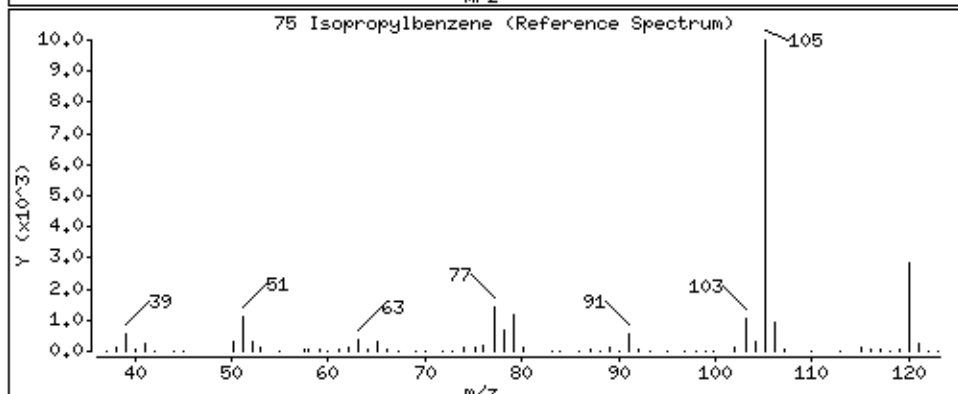
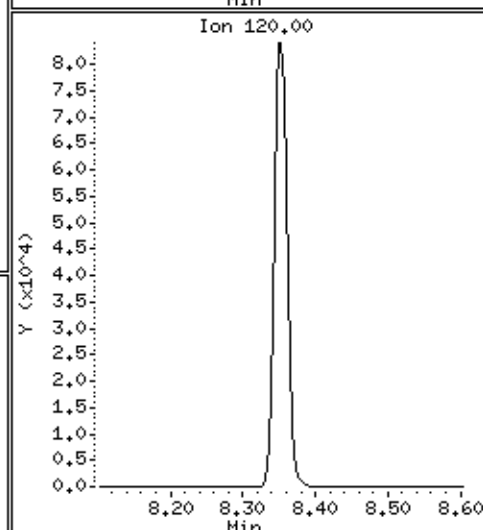
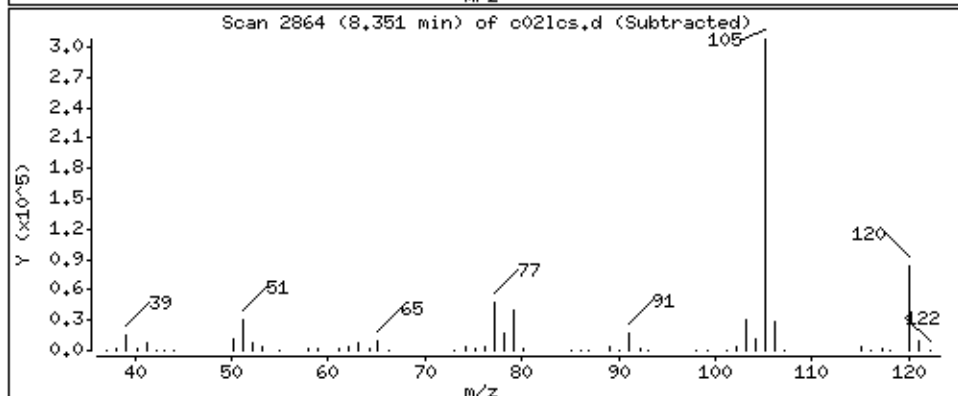
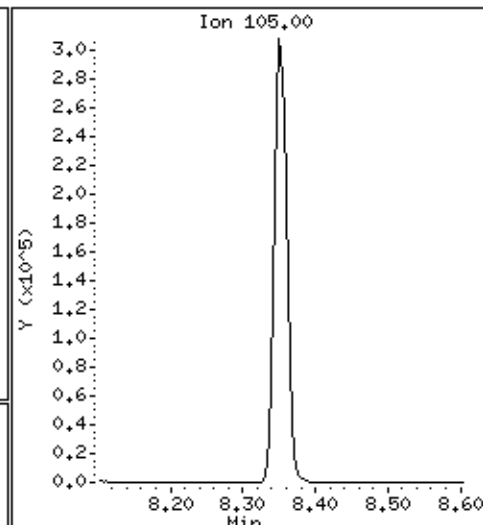
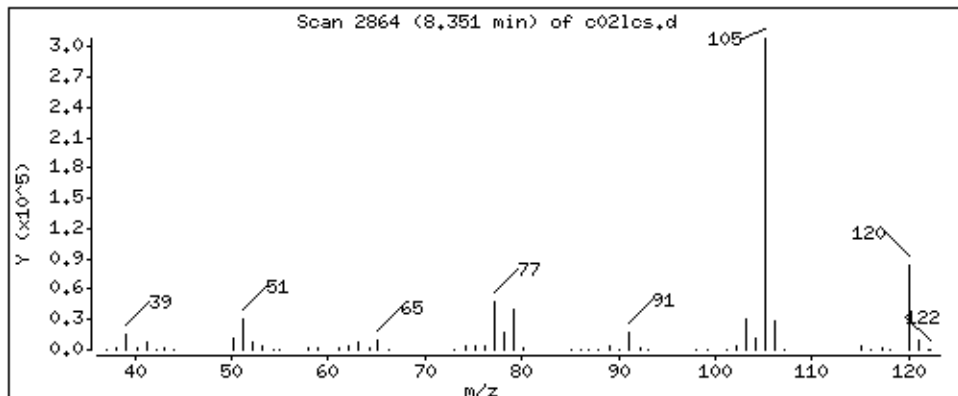
Operator: amv

Column phase: DB-624

Column diameter: 0,18

75 Isopropylbenzene

Concentration: 48,0 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

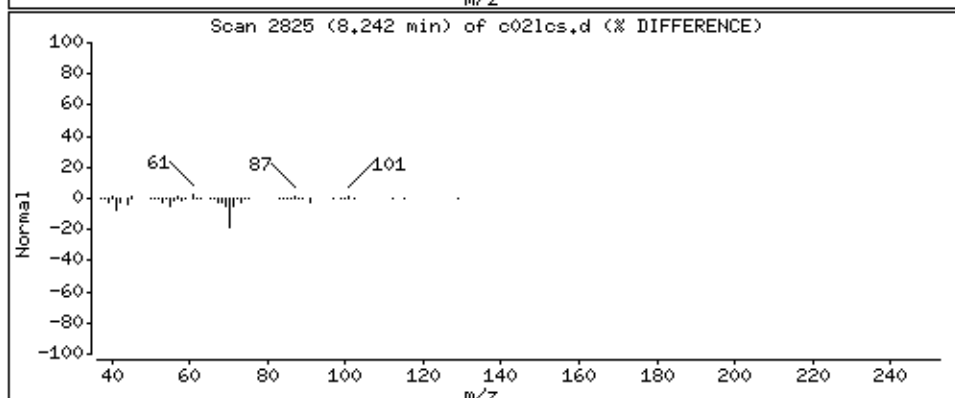
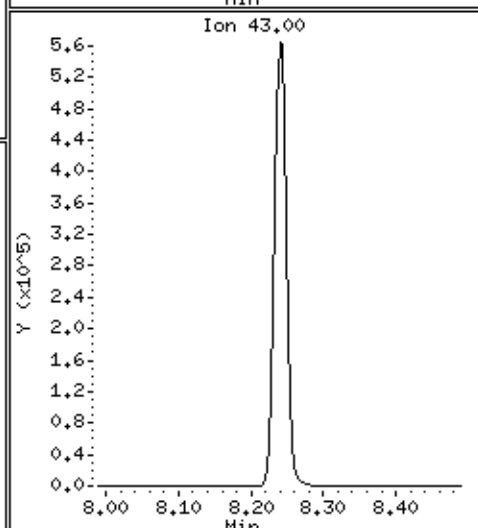
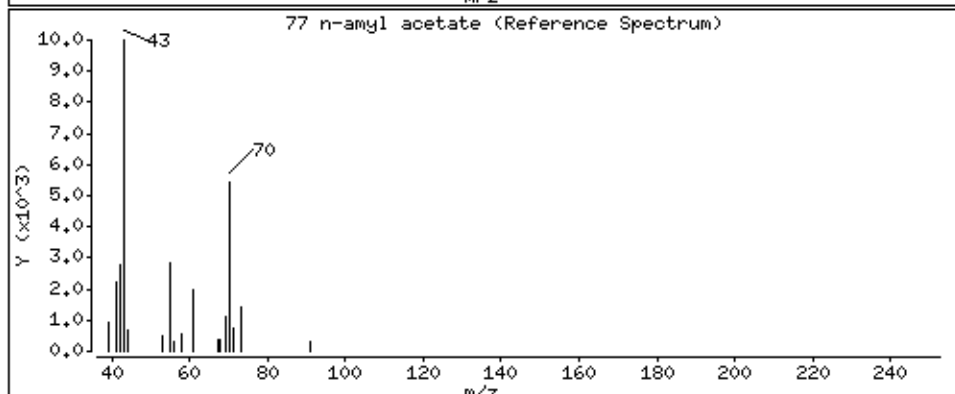
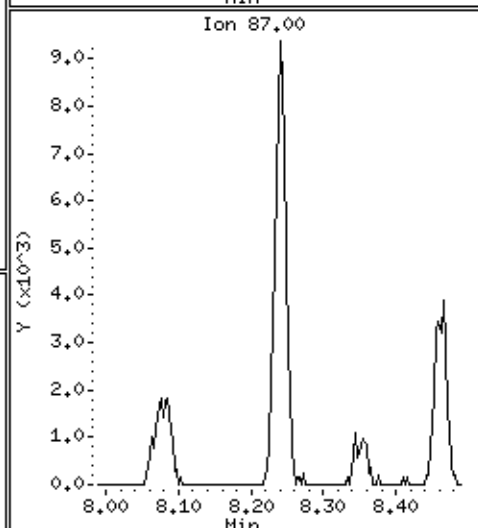
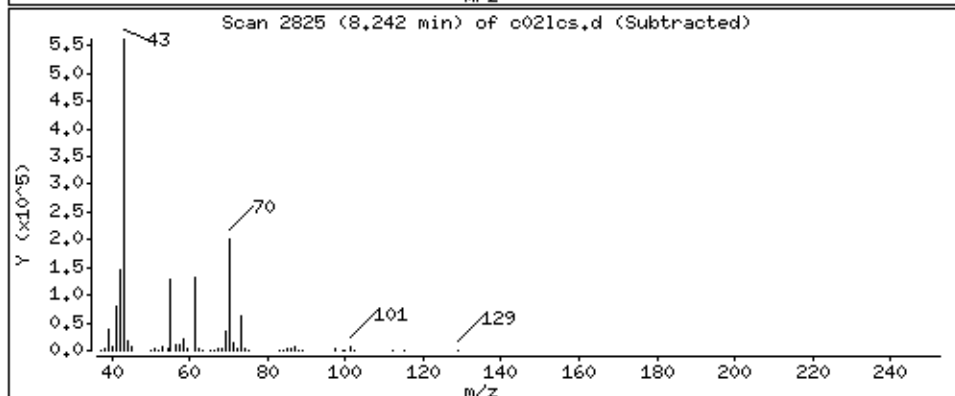
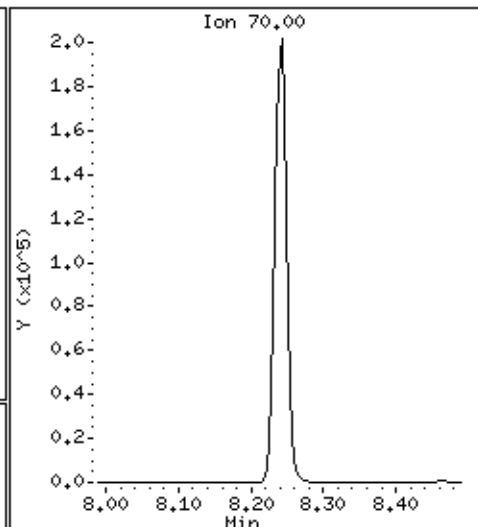
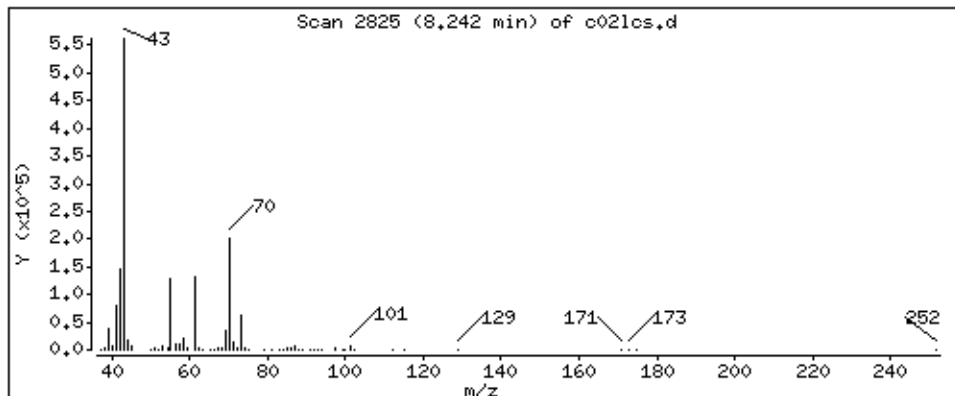
Operator: amv

Column phase: DB-624

Column diameter: 0,18

77 n-nyl acetate

Concentration: 207 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

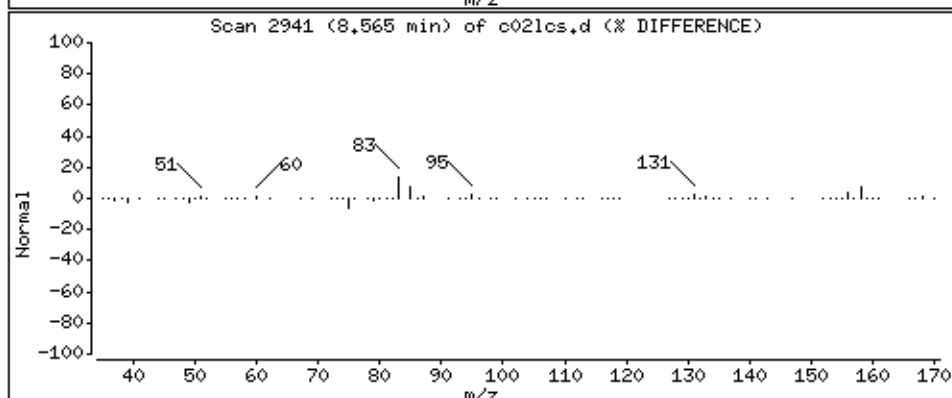
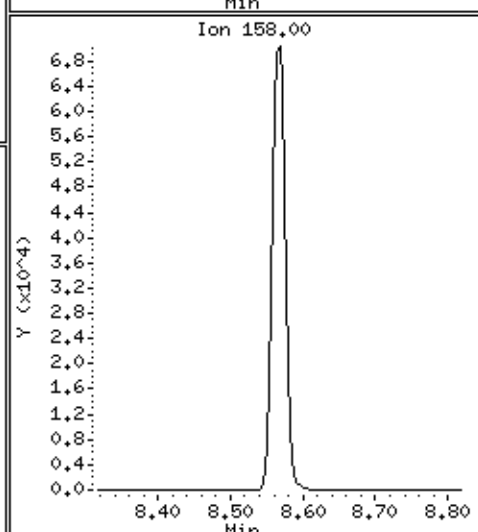
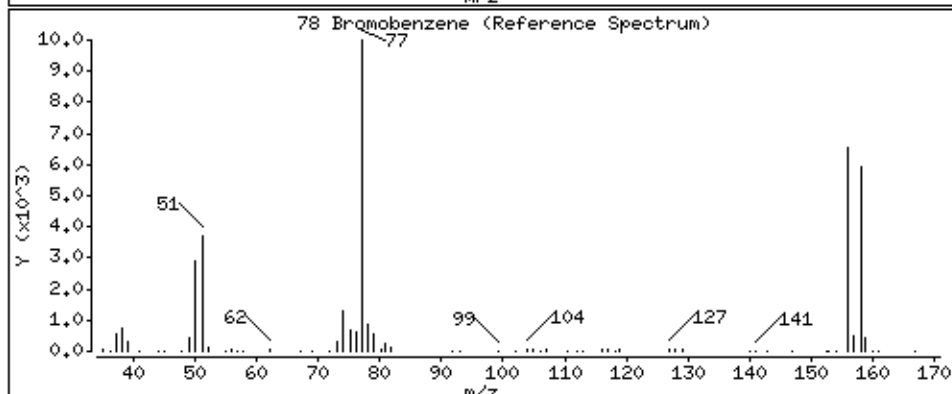
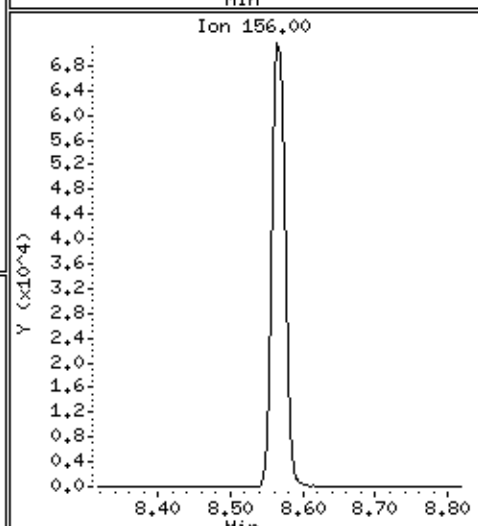
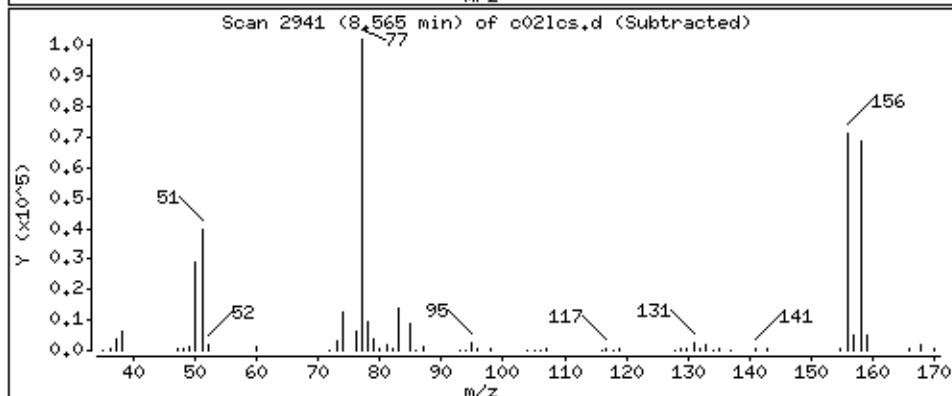
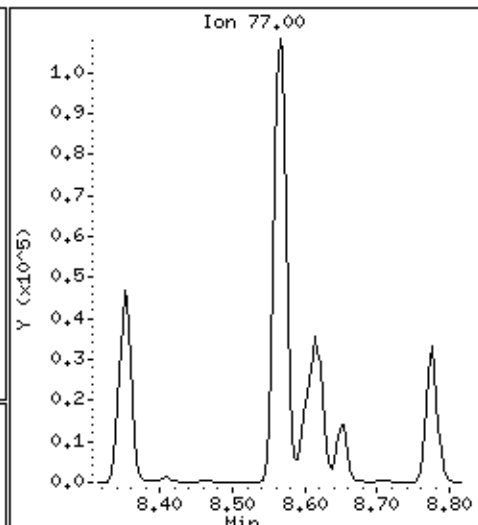
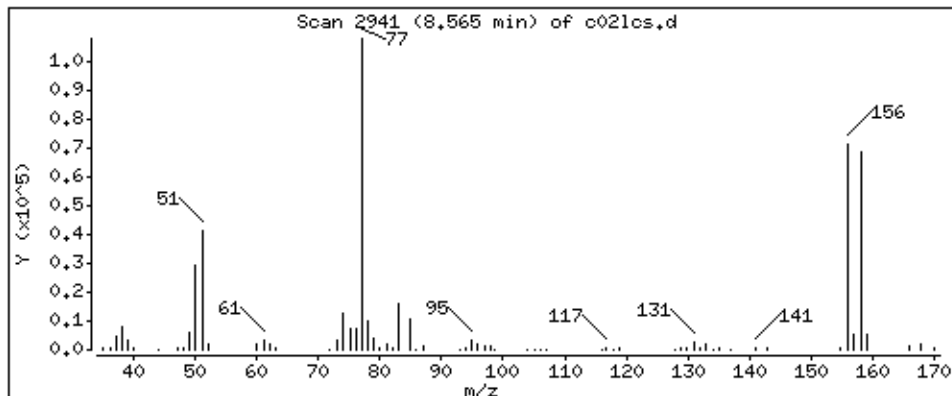
Operator: amv

Column phase: DB-624

Column diameter: 0,18

78 Bromobenzene

Concentration: 49.0 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

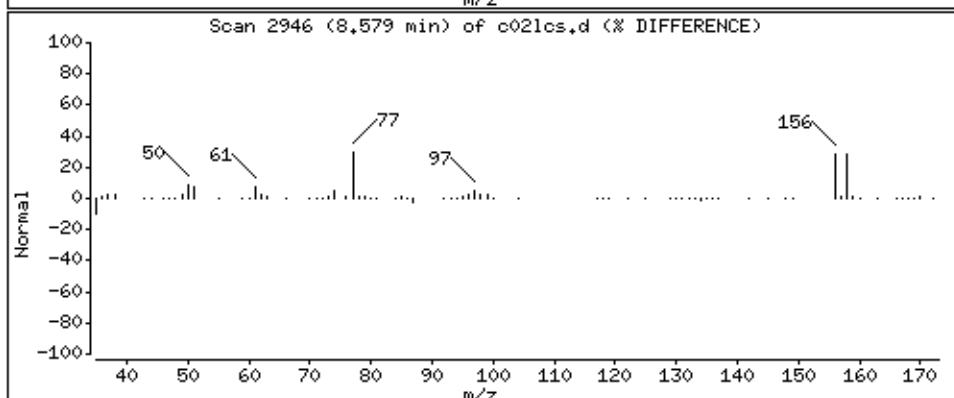
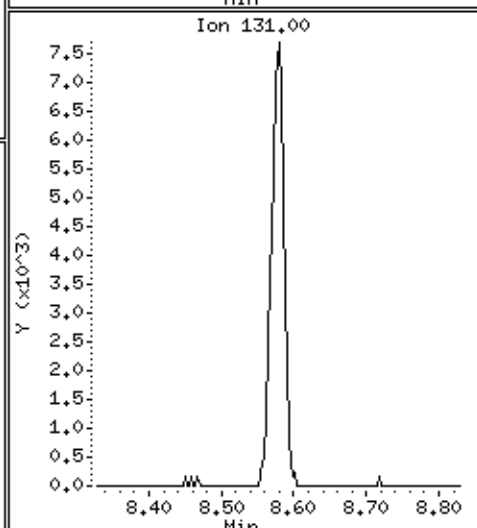
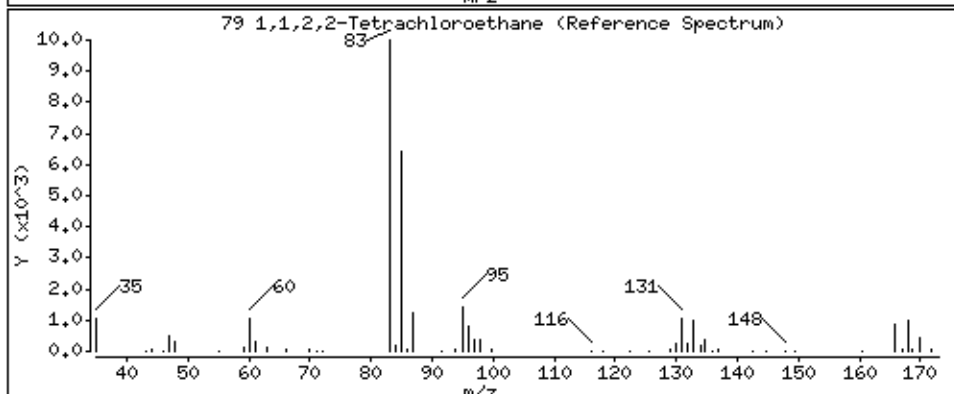
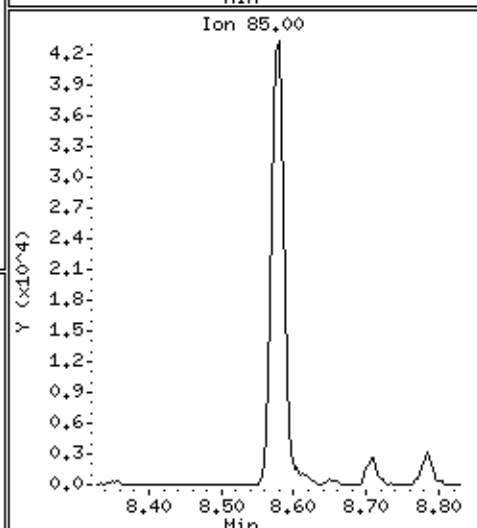
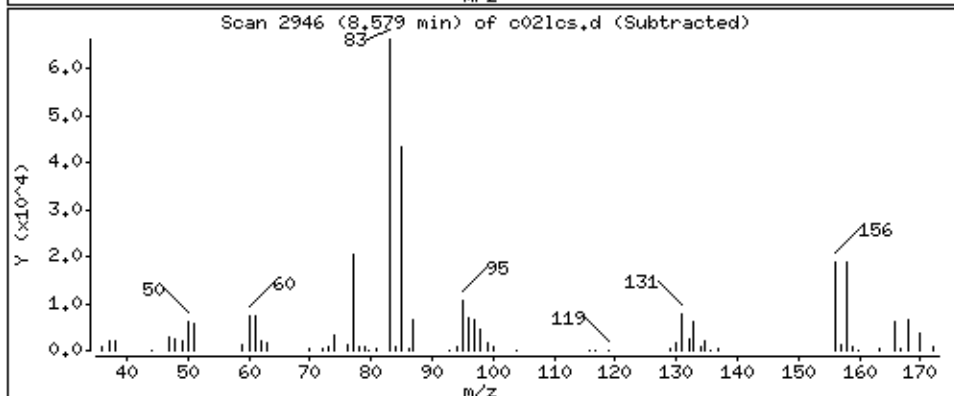
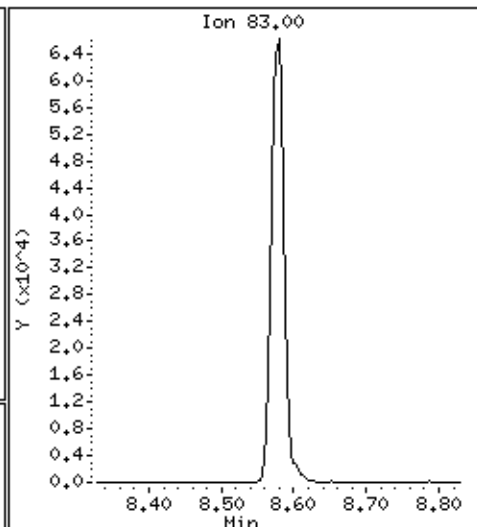
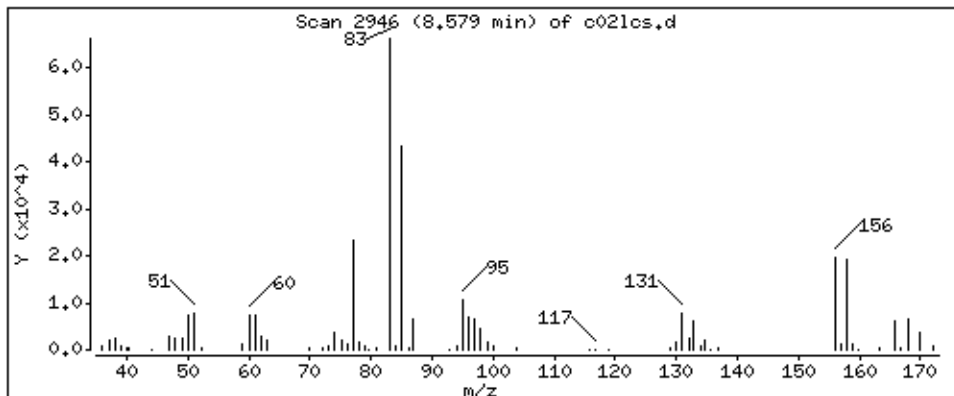
Operator: amv

Column phase: DB-624

Column diameter: 0,18

79 1,1,2,2-Tetrachloroethane

Concentration: 43,8 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

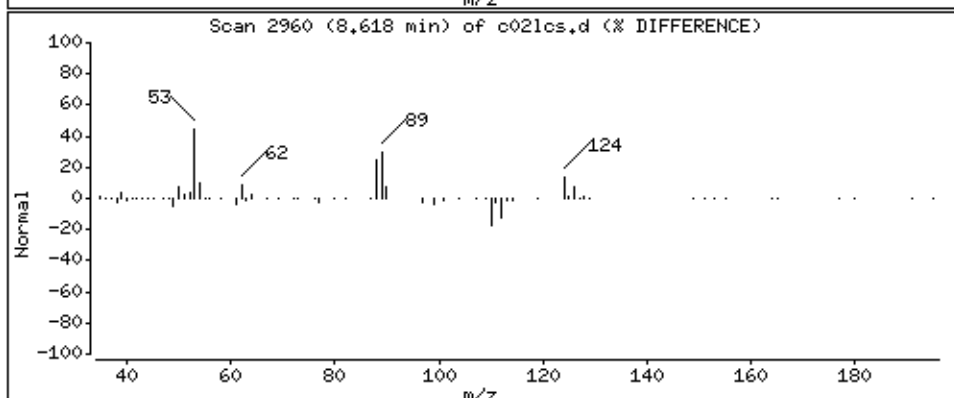
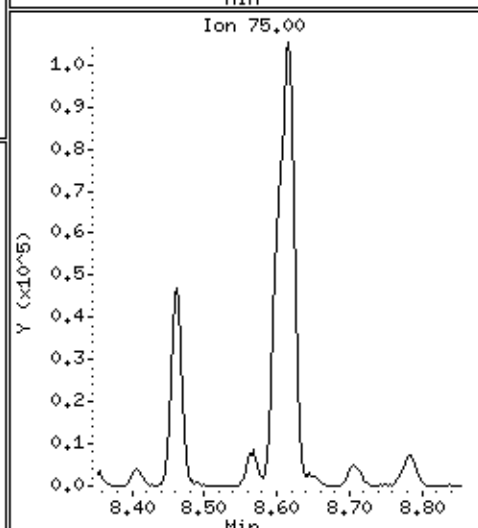
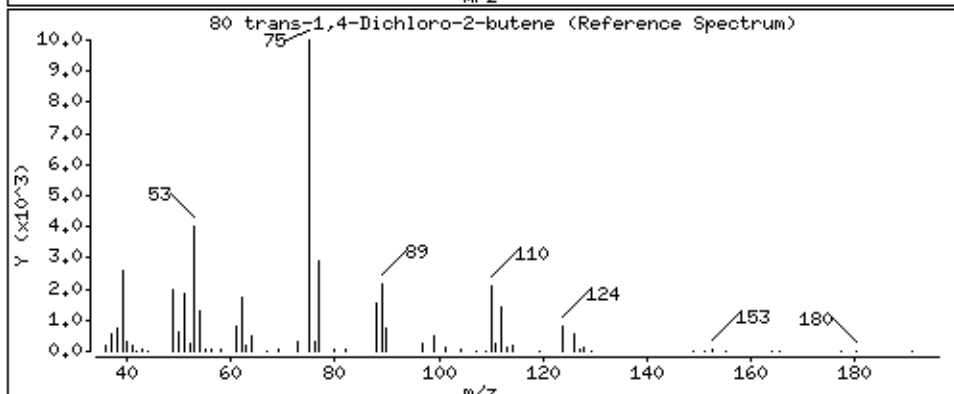
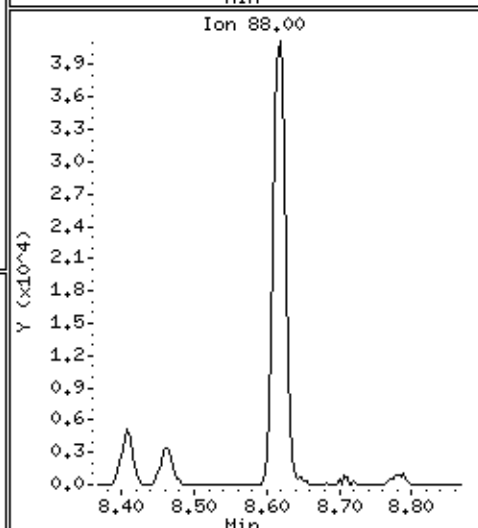
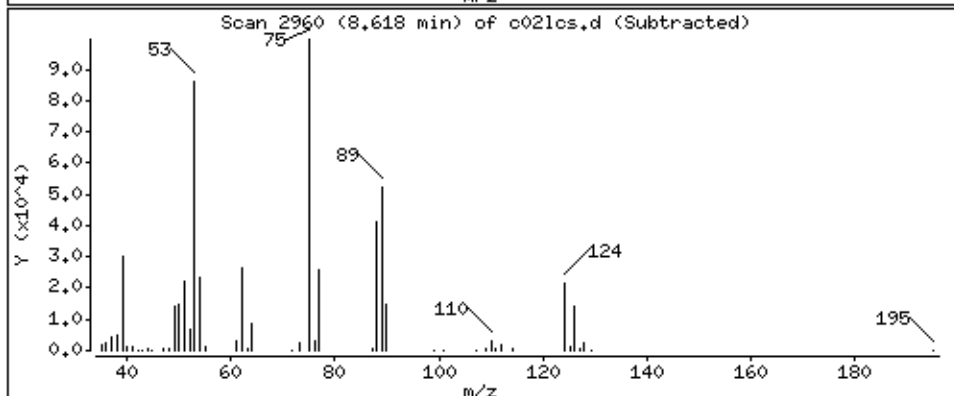
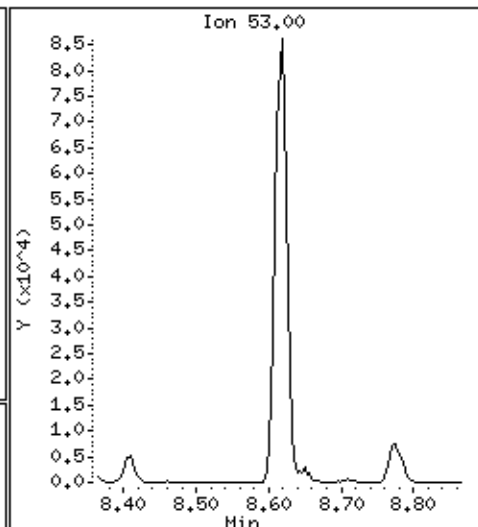
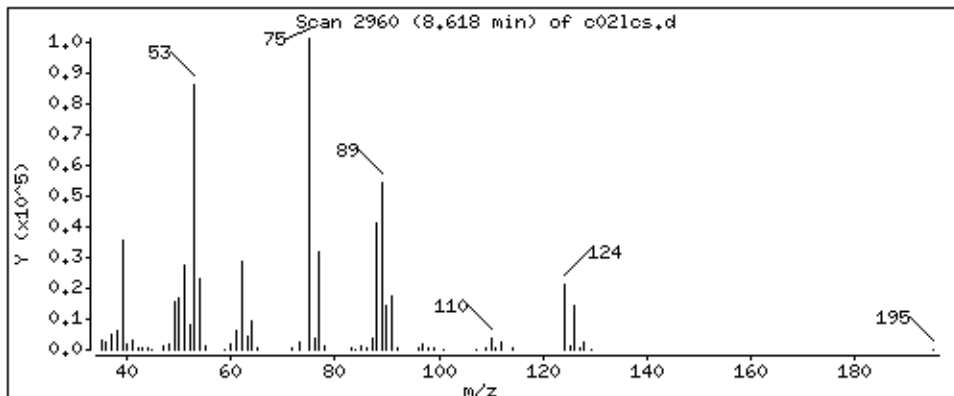
Operator: amv

Column phase: DB-624

Column diameter: 0,18

80 trans-1,4-Dichloro-2-butene

Concentration: 158 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

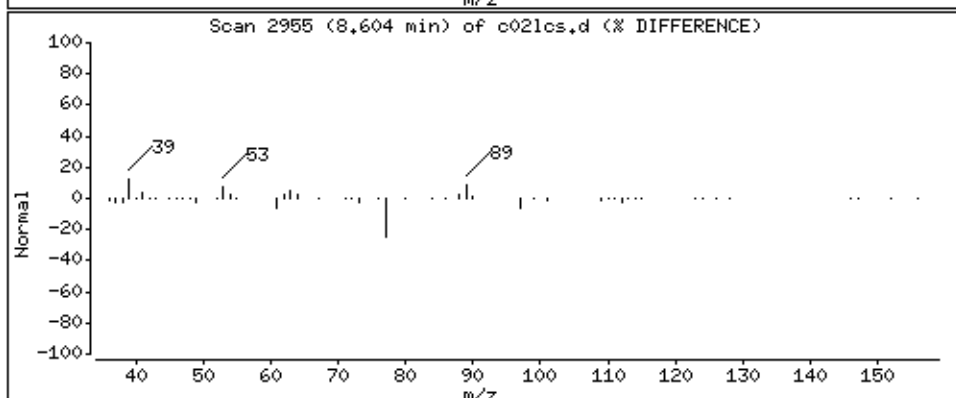
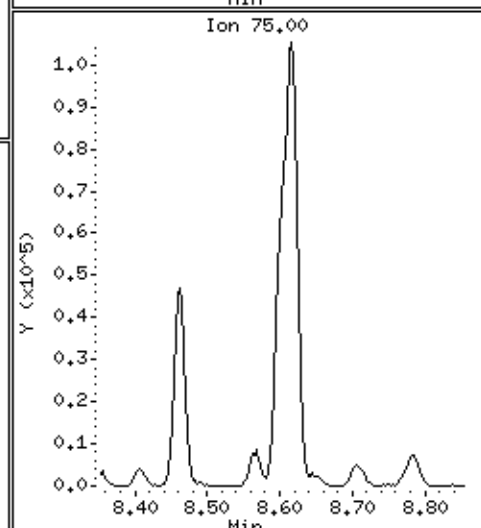
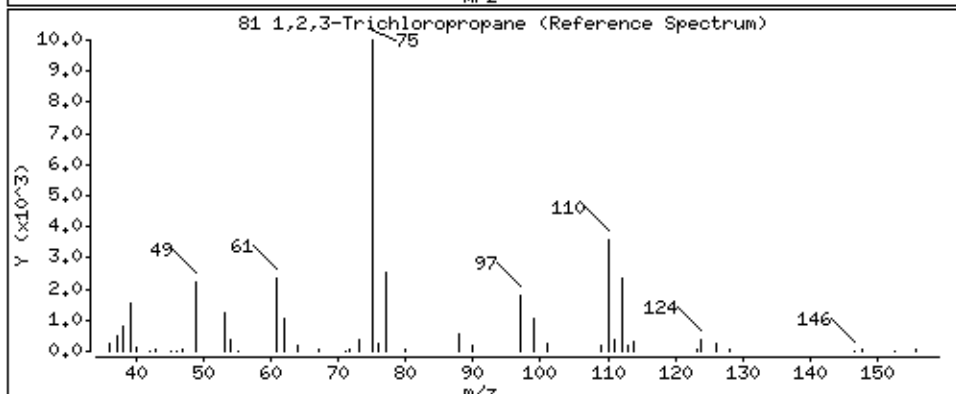
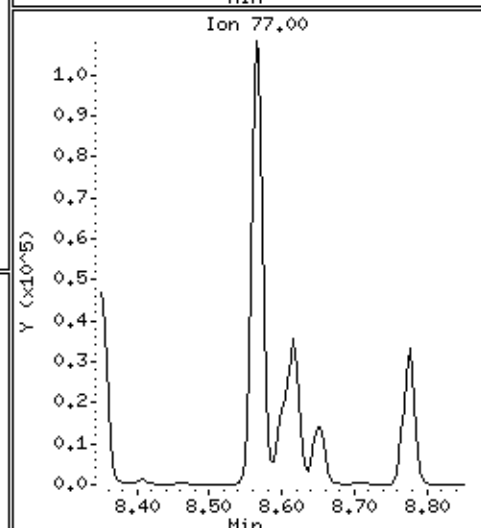
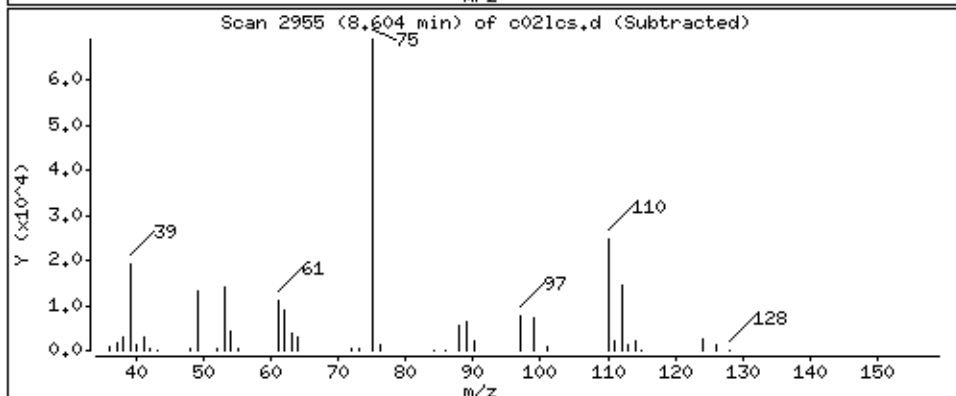
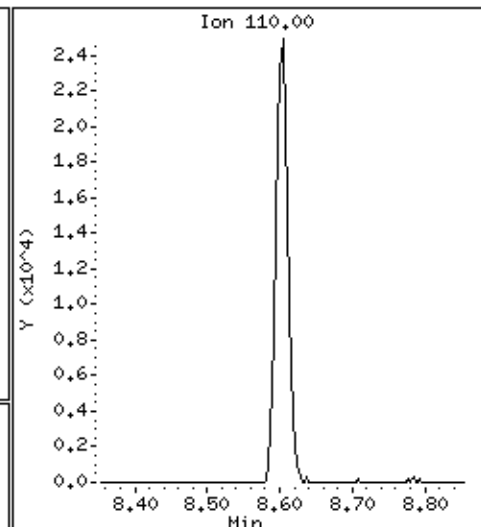
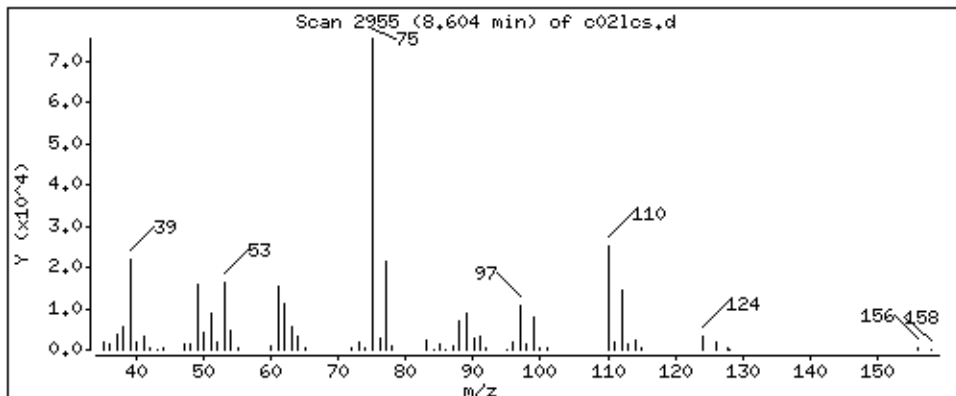
Operator: amv

Column phase: DB-624

Column diameter: 0,18

81 1,2,3-Trichloropropane

Concentration: 48,5 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

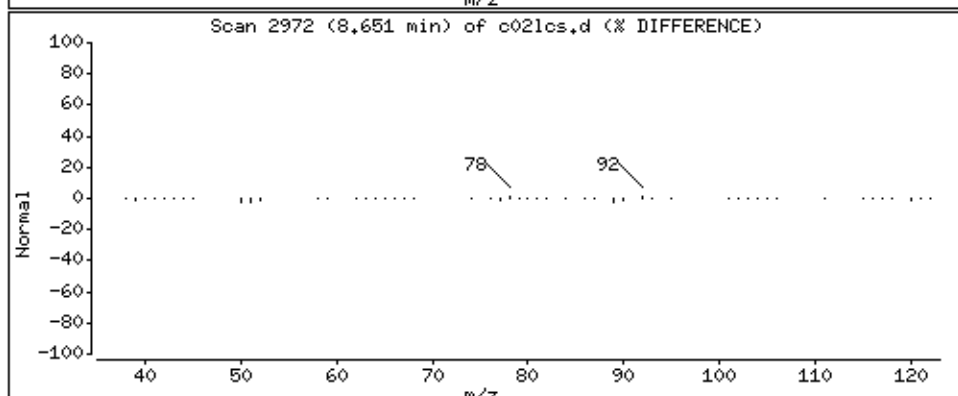
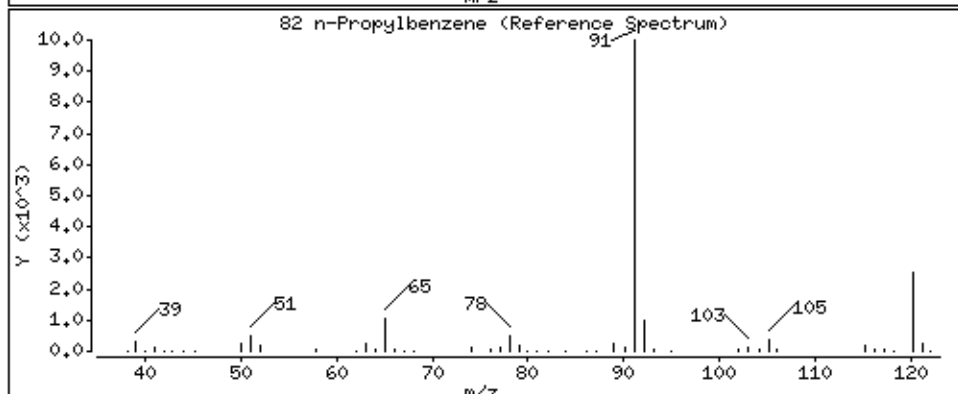
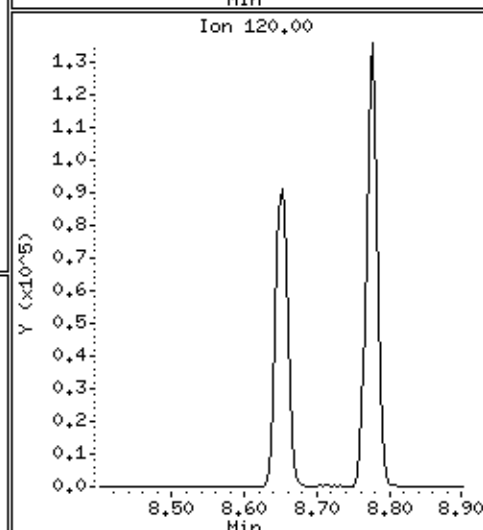
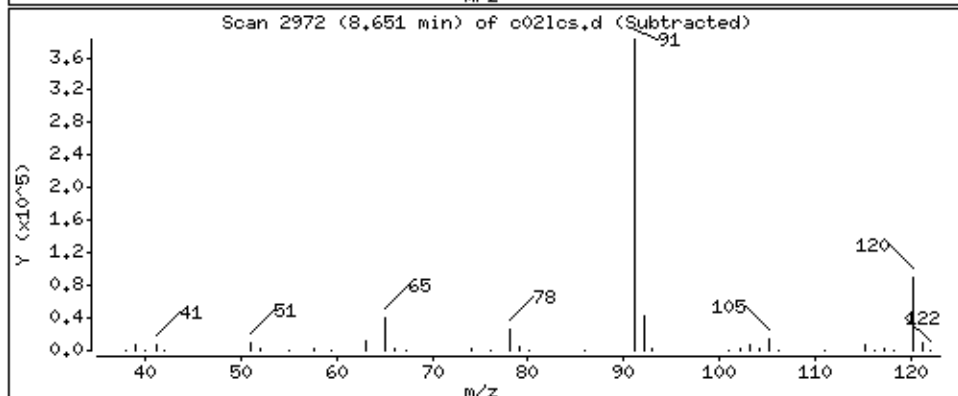
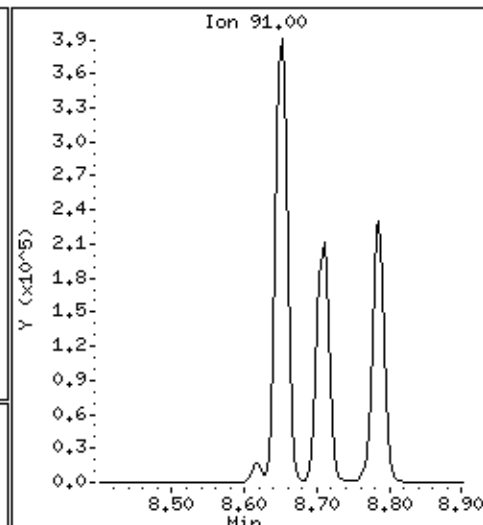
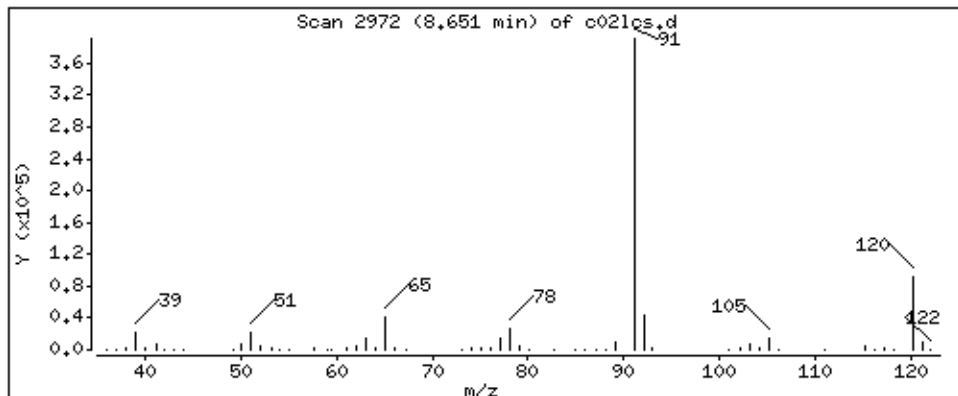
Operator: amv

Column phase: DB-624

Column diameter: 0,18

82 n-Propylbenzene

Concentration: 48,9 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

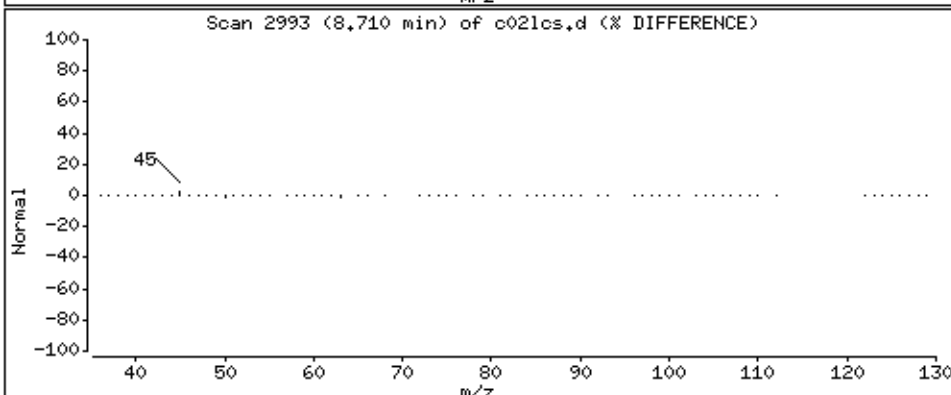
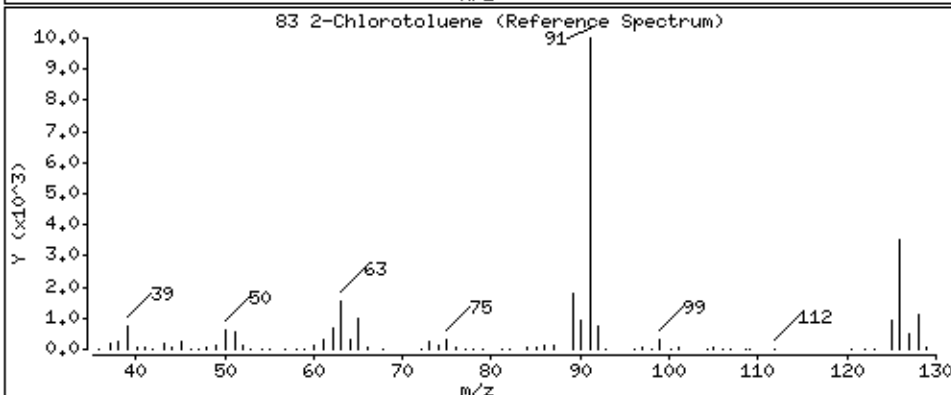
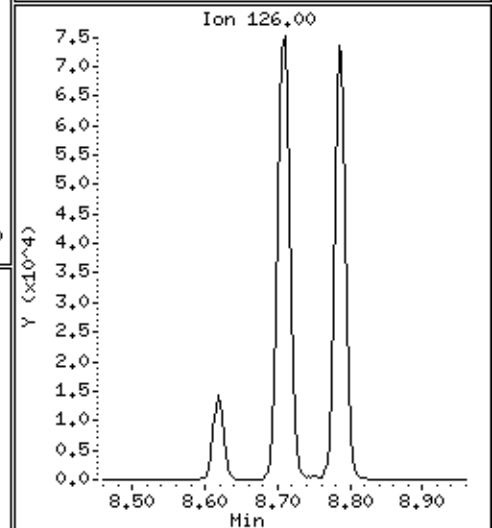
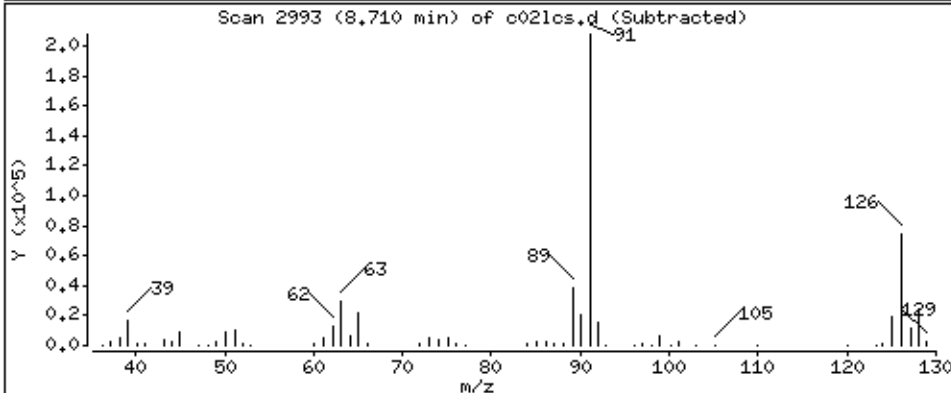
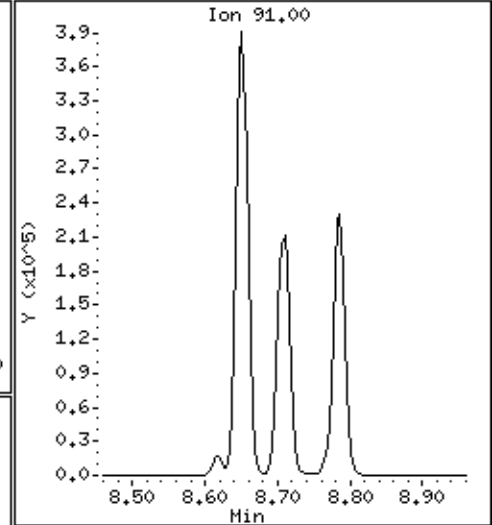
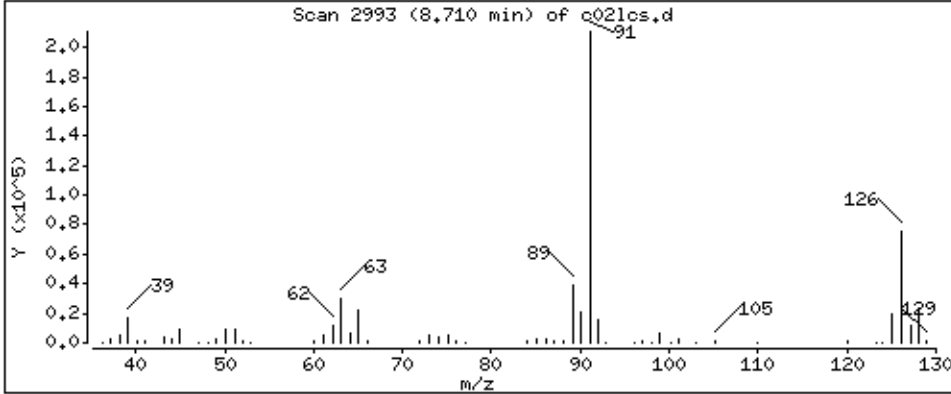
Operator: amv

Column phase: DB-624

Column diameter: 0,18

83 2-Chlorotoluene

Concentration: 50,7 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

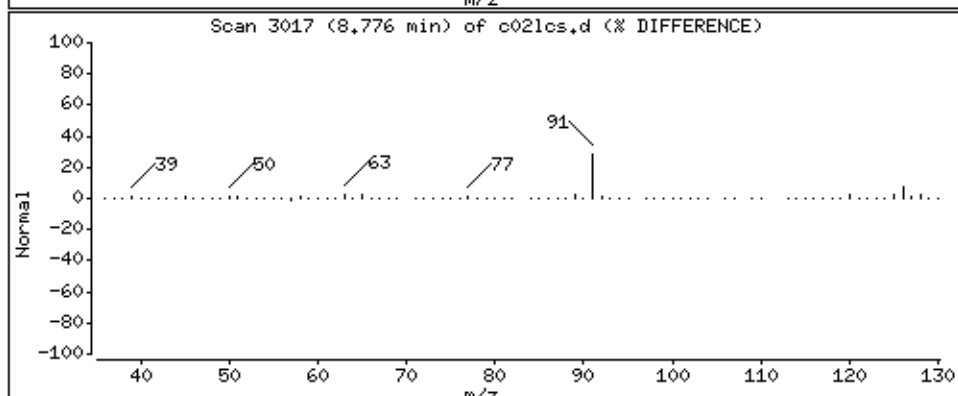
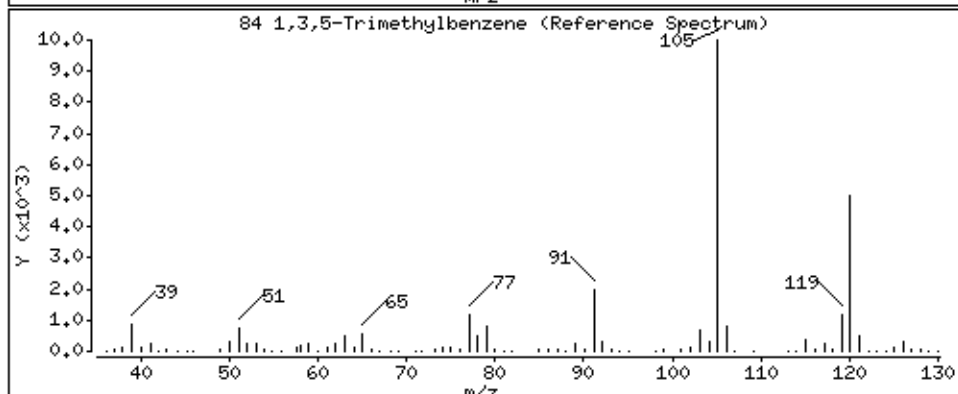
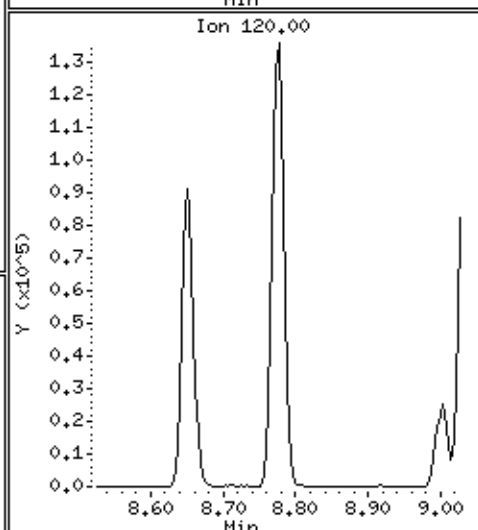
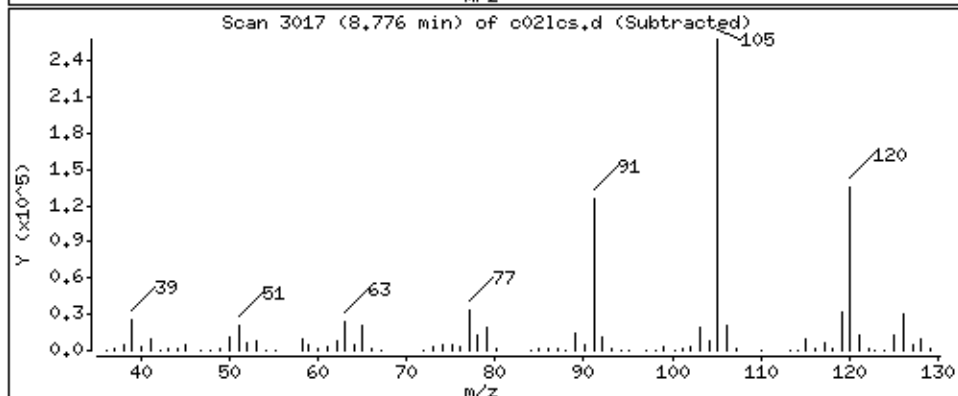
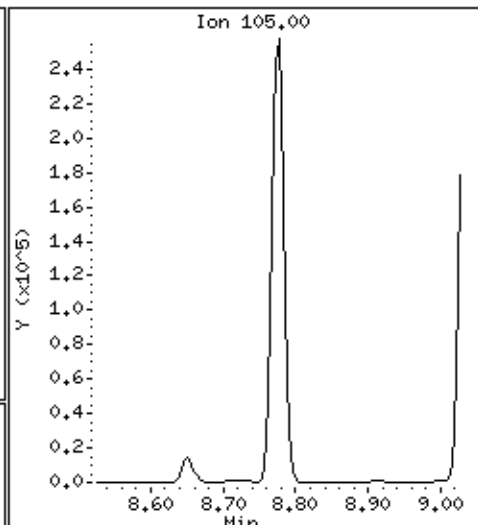
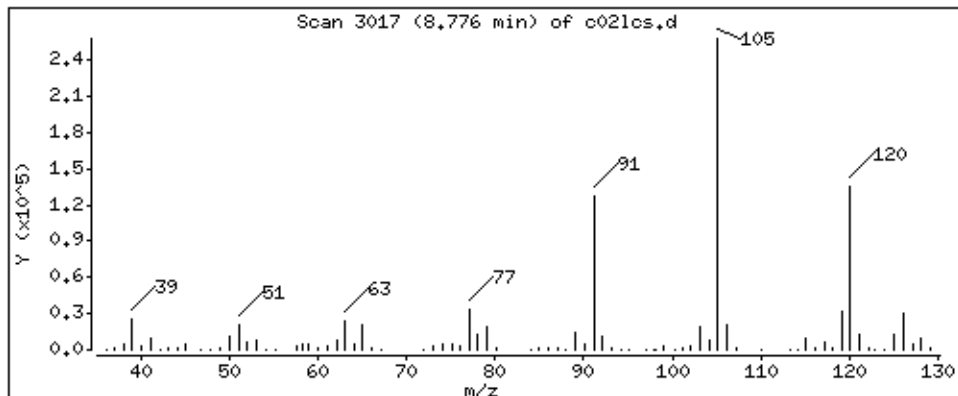
Operator: amv

Column phase: DB-624

Column diameter: 0,18

84 1,3,5-Trimethylbenzene

Concentration: 46,0 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

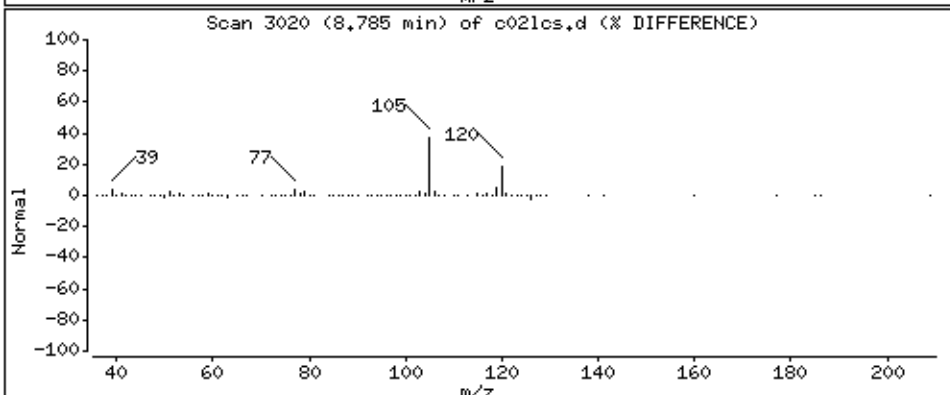
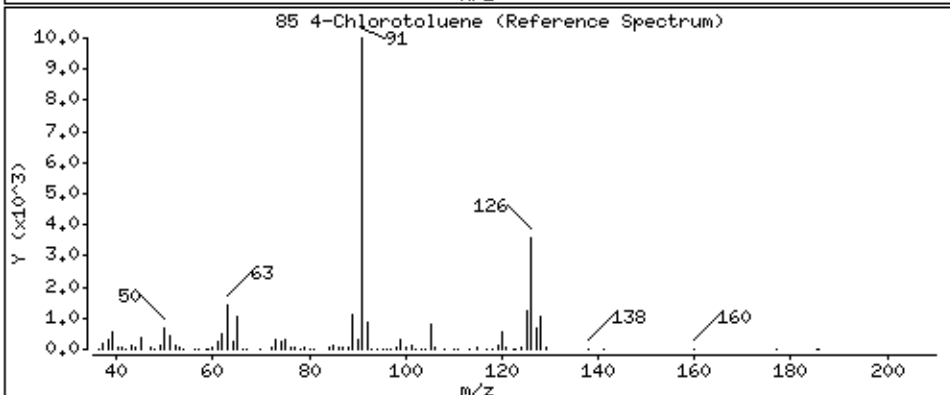
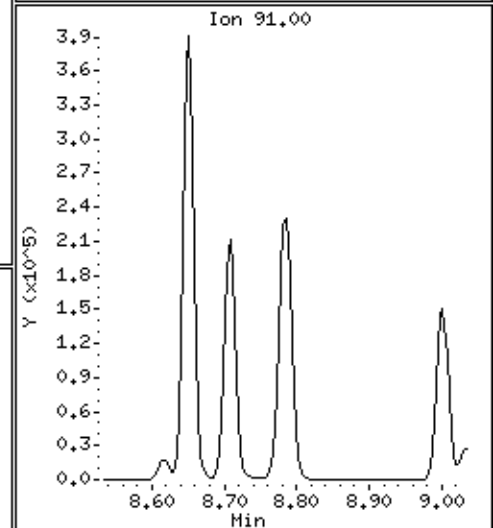
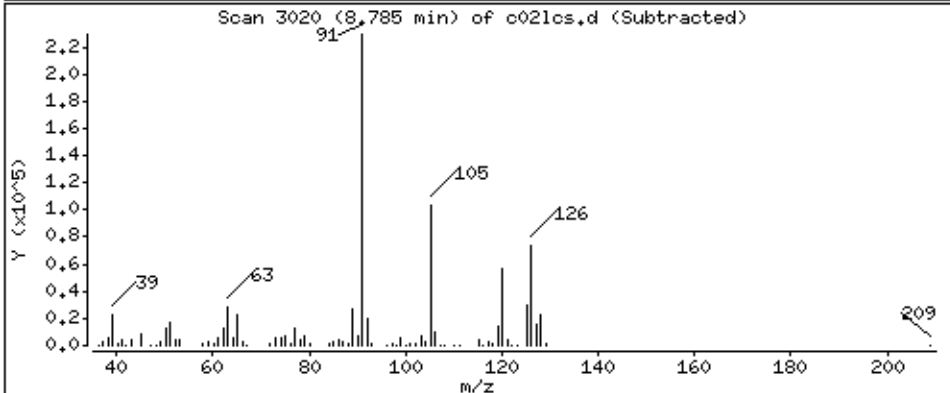
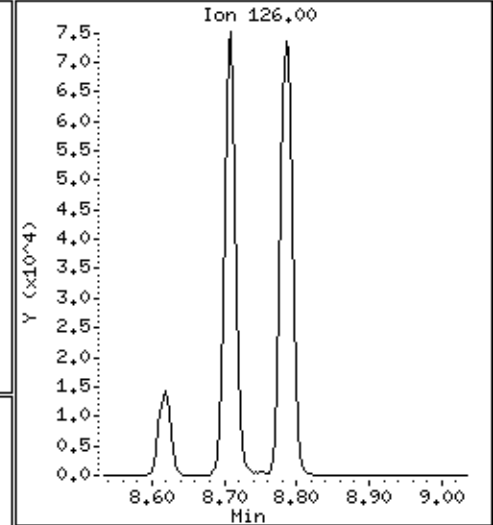
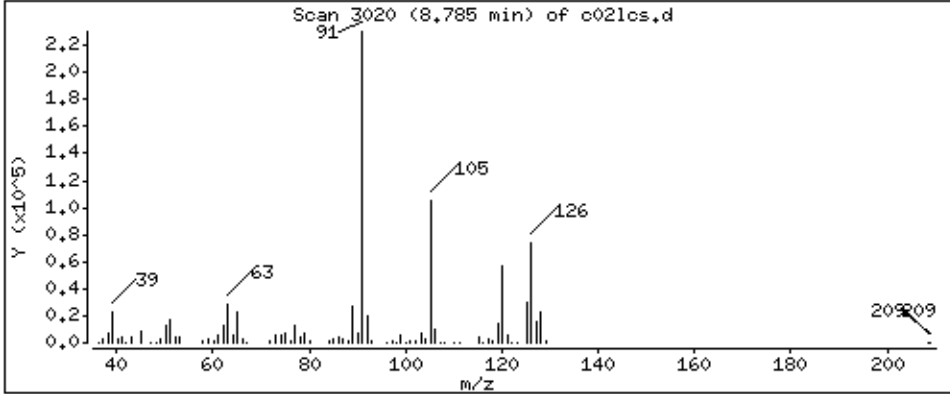
Operator: amv

Column phase: DB-624

Column diameter: 0,18

85 4-Chlorotoluene

Concentration: 48,9 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

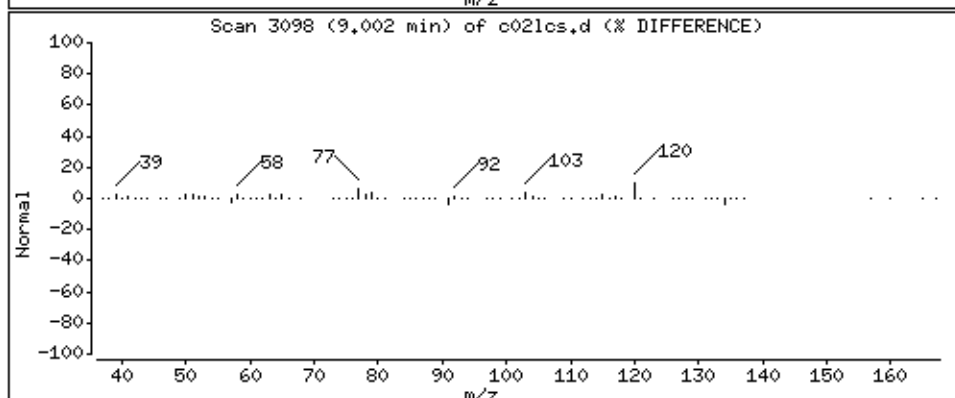
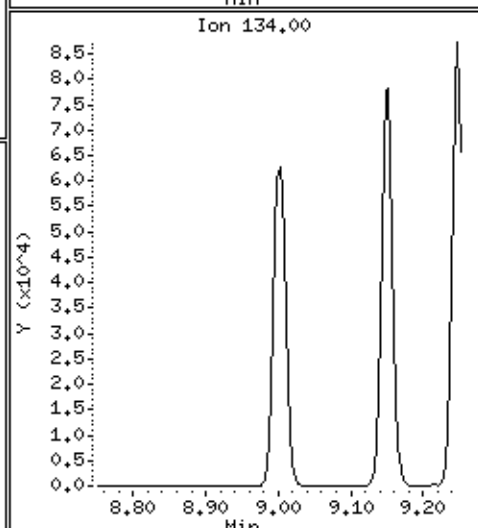
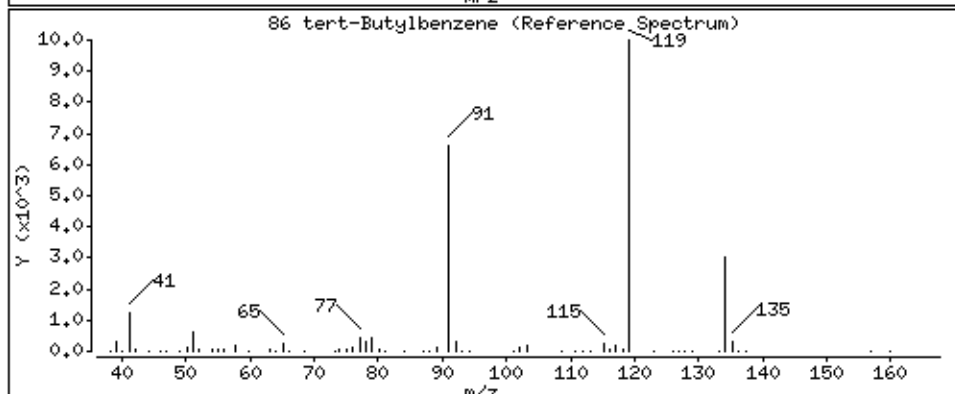
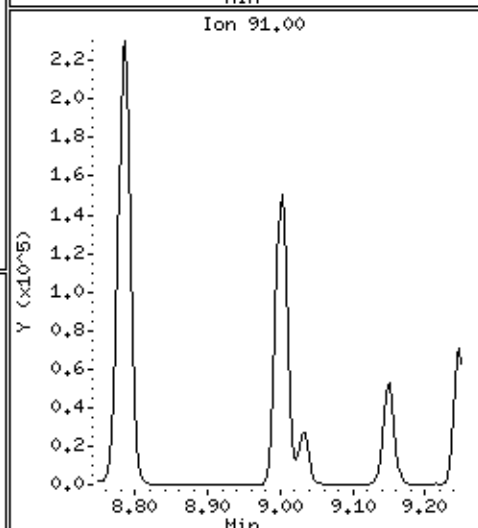
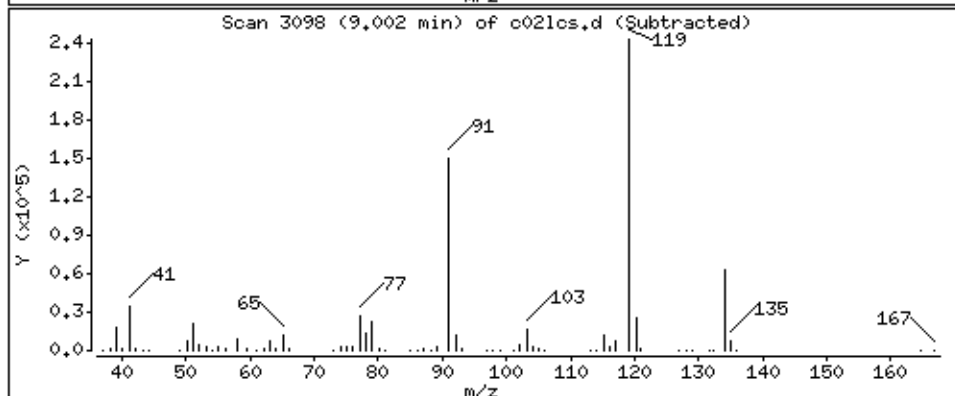
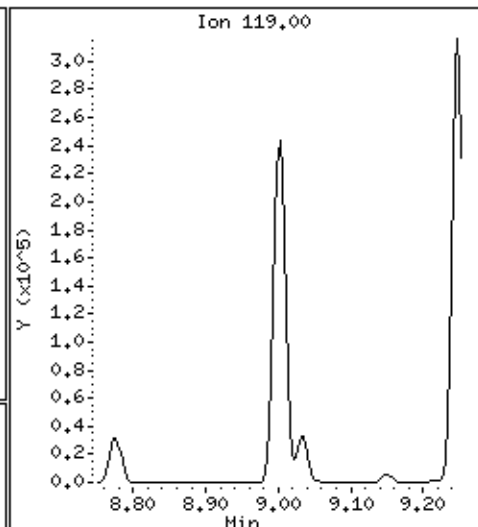
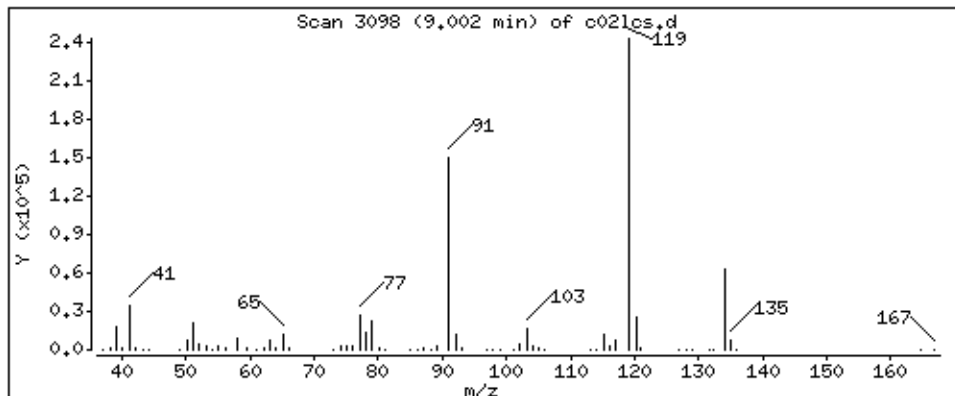
Operator: amv

Column phase: DB-624

Column diameter: 0,18

86 tert-Butylbenzene

Concentration: 43.2 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

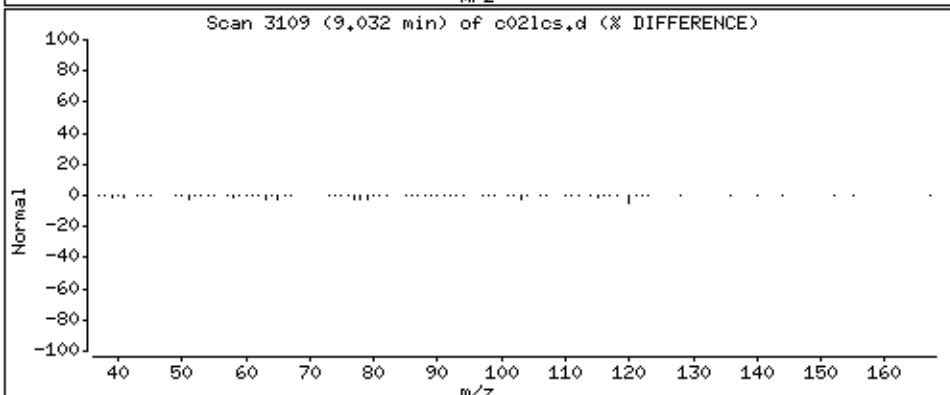
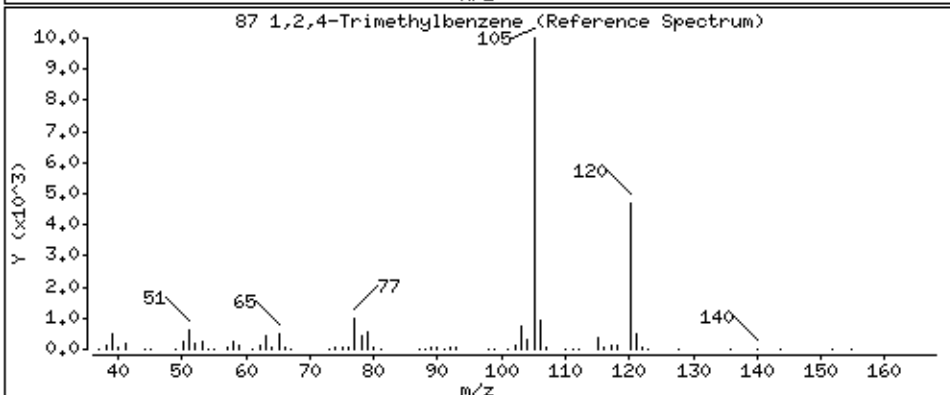
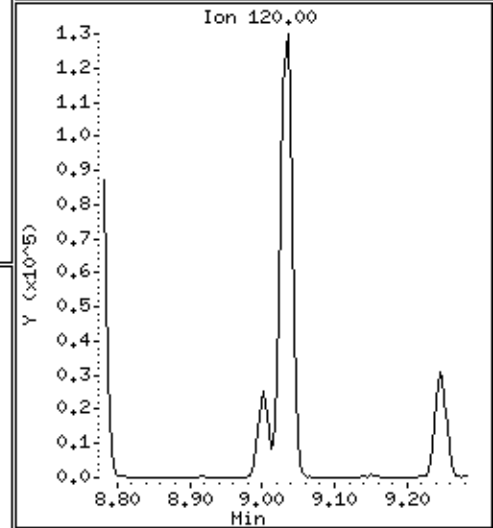
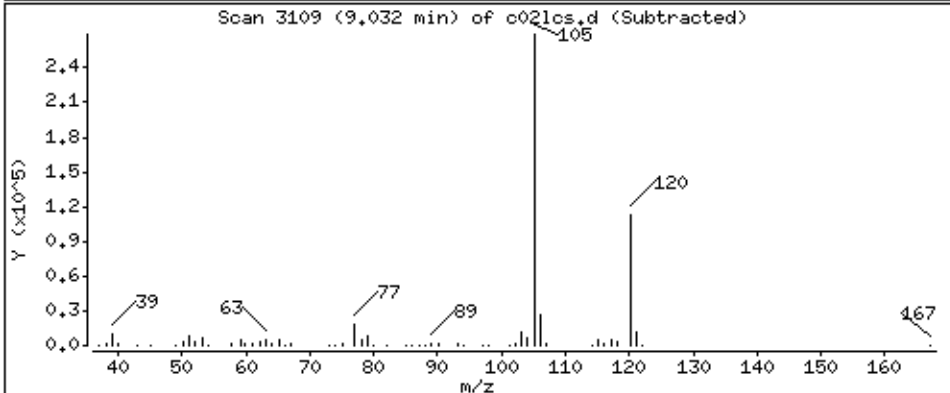
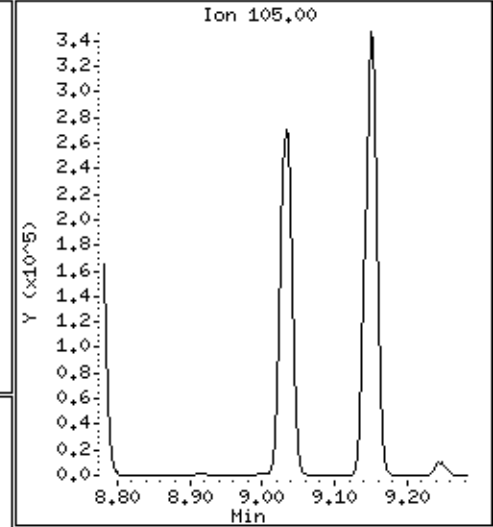
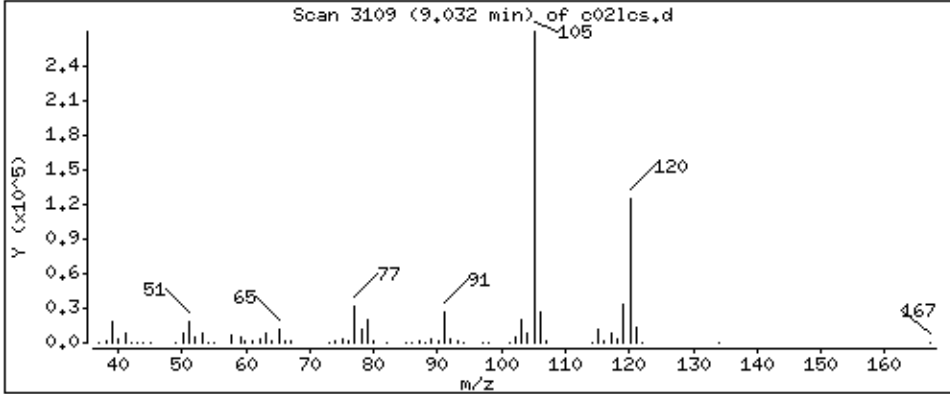
Operator: amv

Column phase: DB-624

Column diameter: 0,18

87 1,2,4-Trimethylbenzene

Concentration: 48,2 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

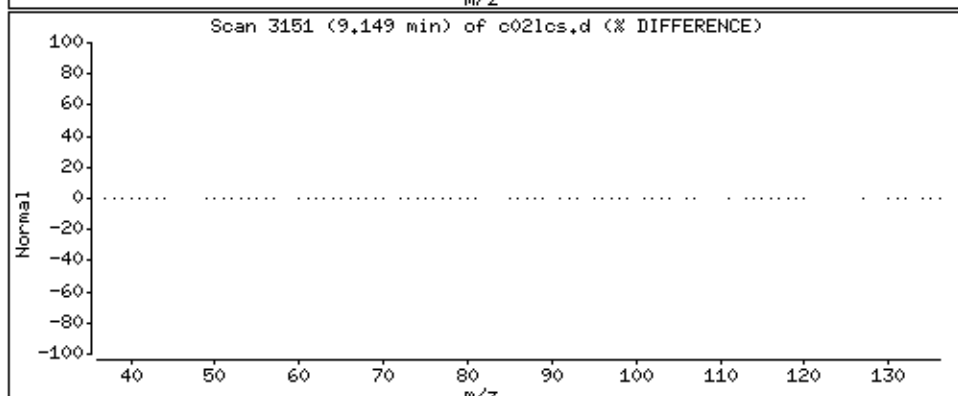
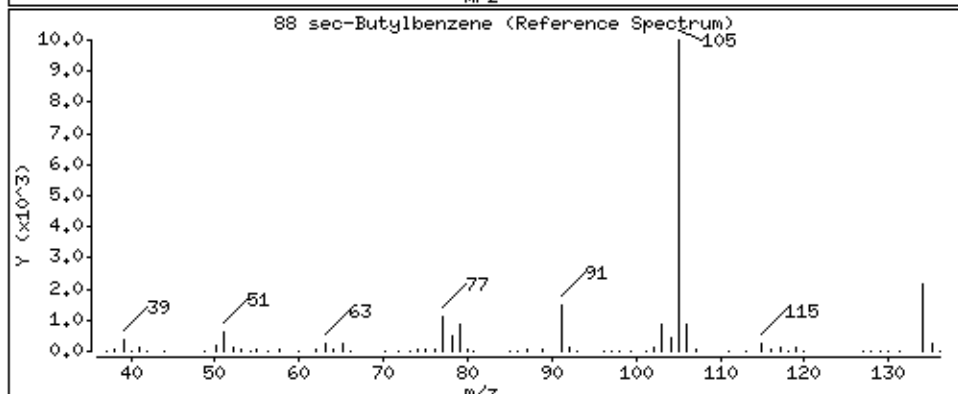
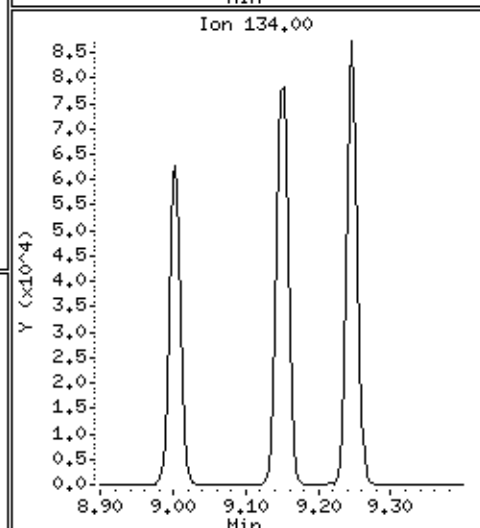
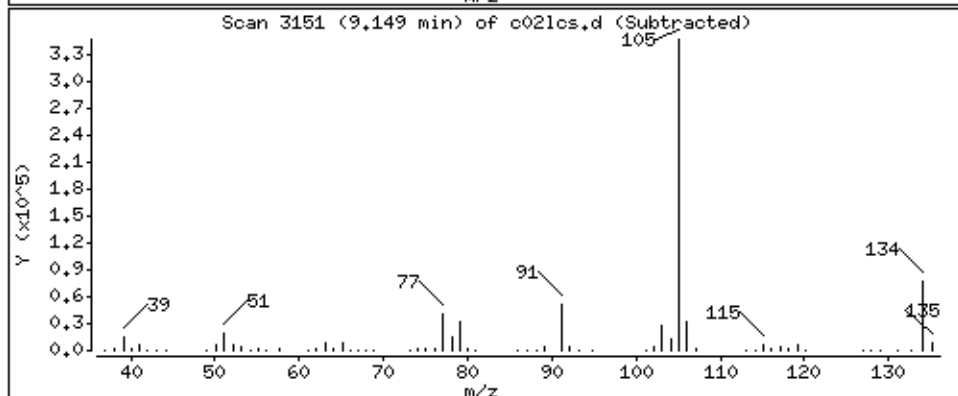
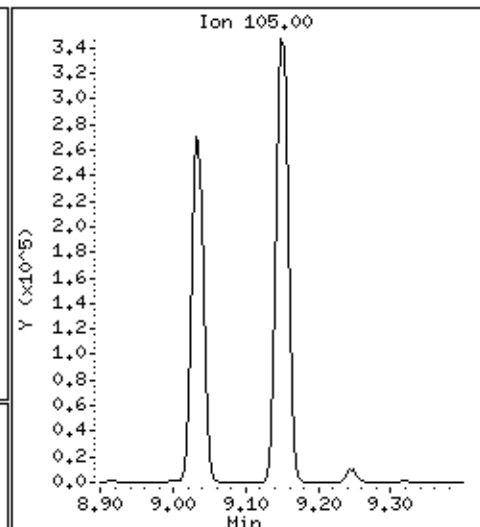
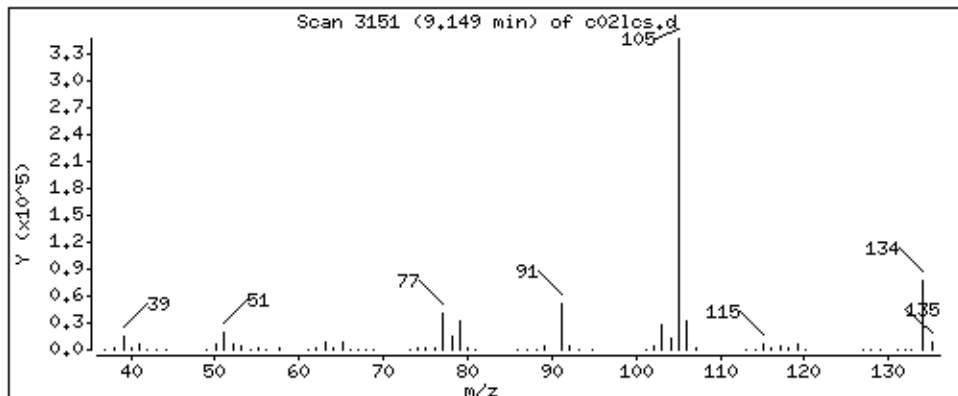
Operator: amv

Column phase: DB-624

Column diameter: 0,18

88 sec-Butylbenzene

Concentration: 49.1 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

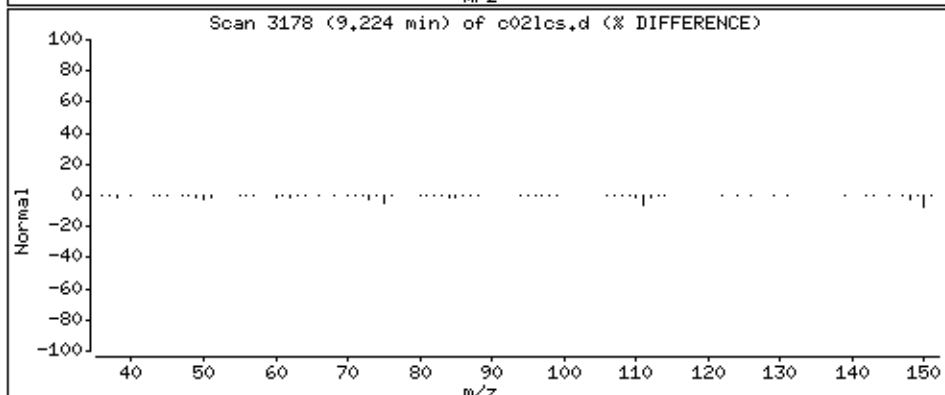
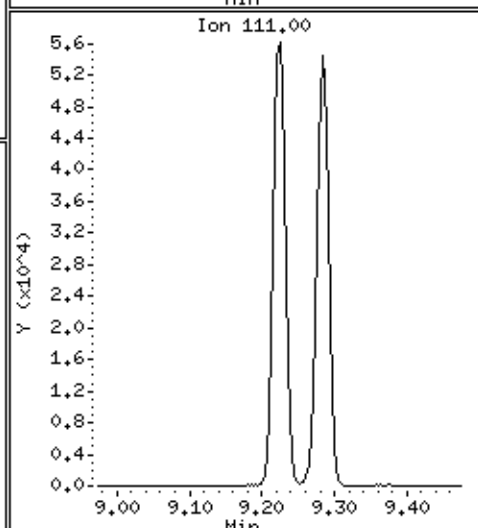
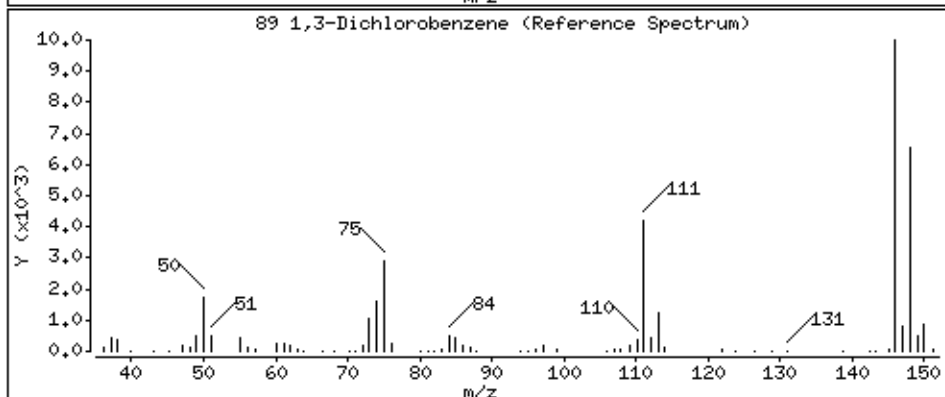
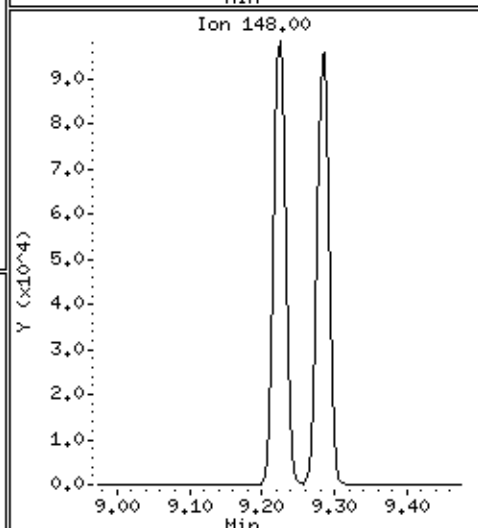
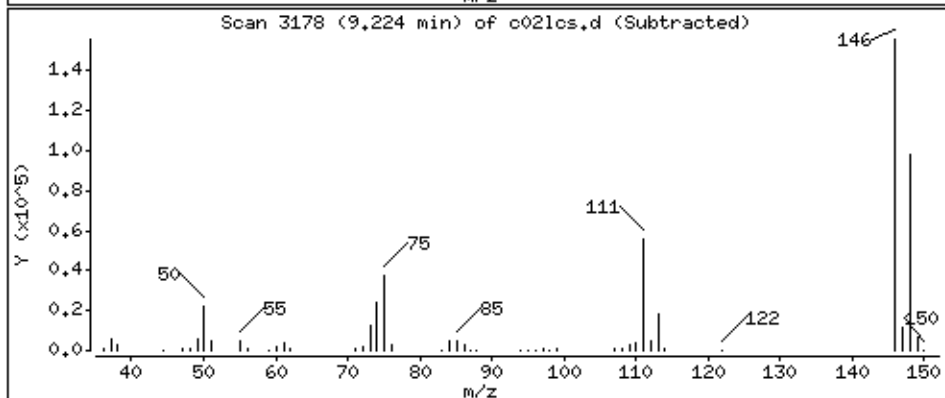
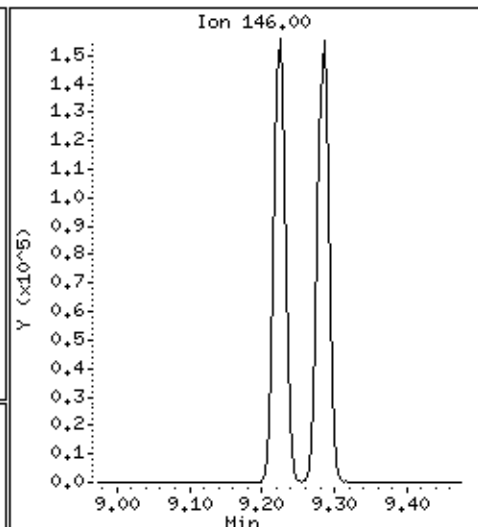
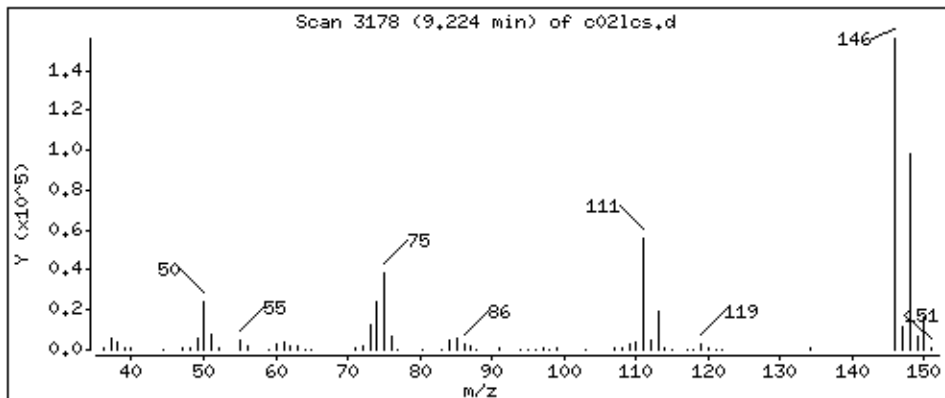
Operator: amv

Column phase: DB-624

Column diameter: 0,18

89 1,3-Dichlorobenzene

Concentration: 49,5 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

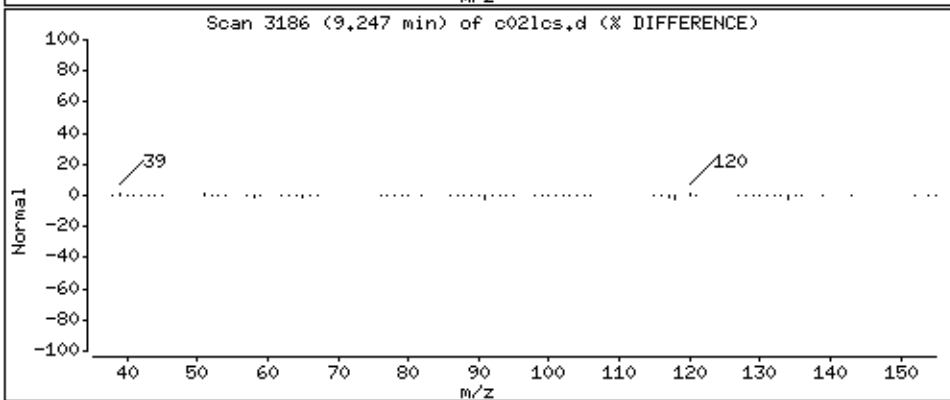
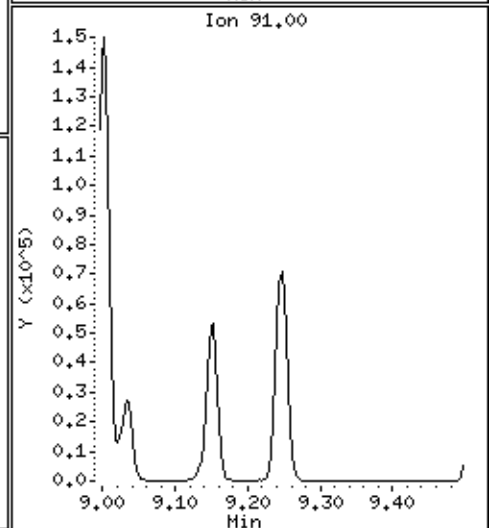
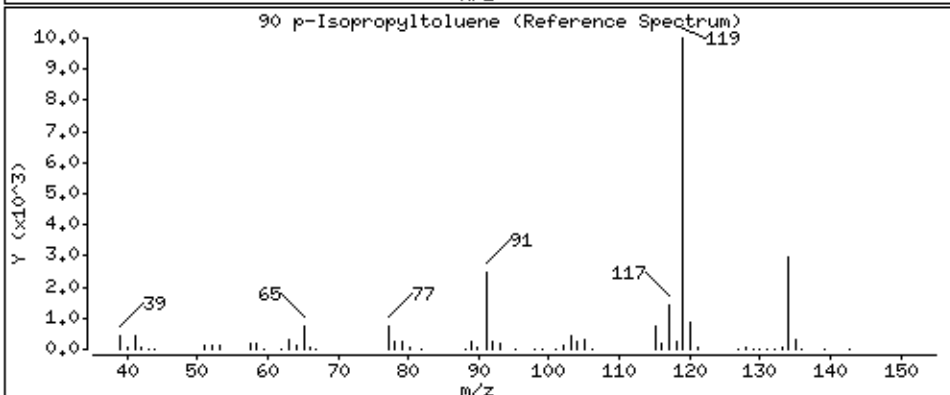
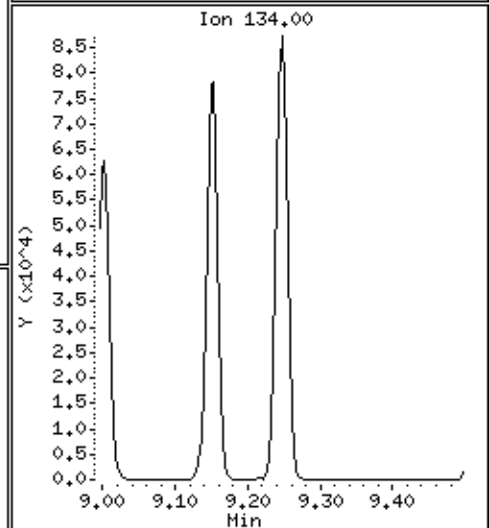
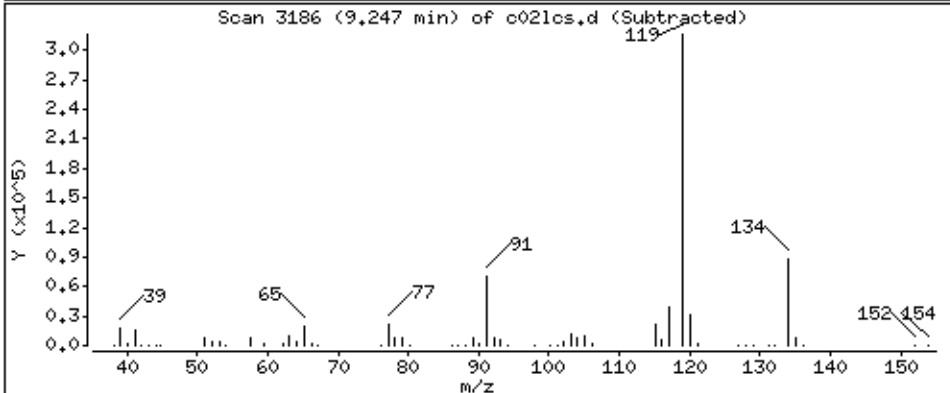
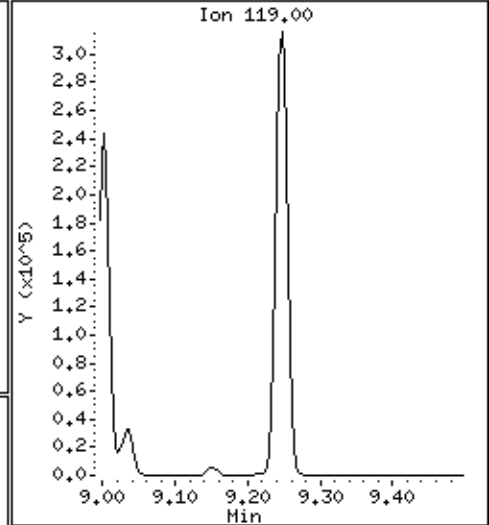
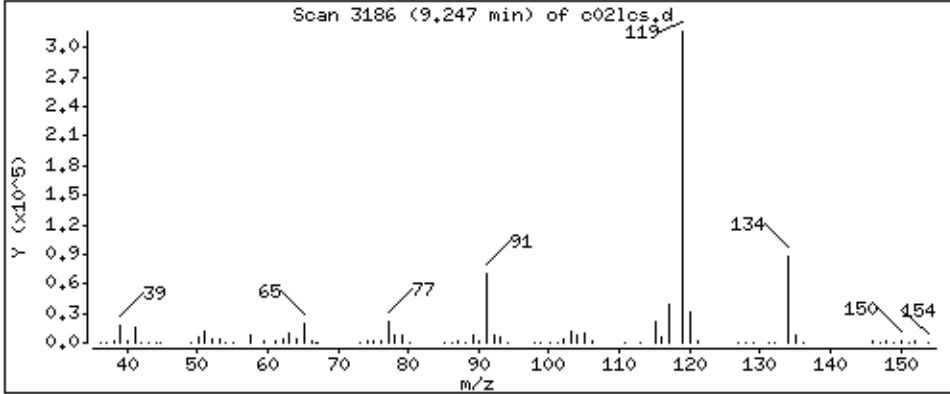
Operator: amv

Column phase: DB-624

Column diameter: 0.18

90 p-Isopropyltoluene

Concentration: 51.4 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

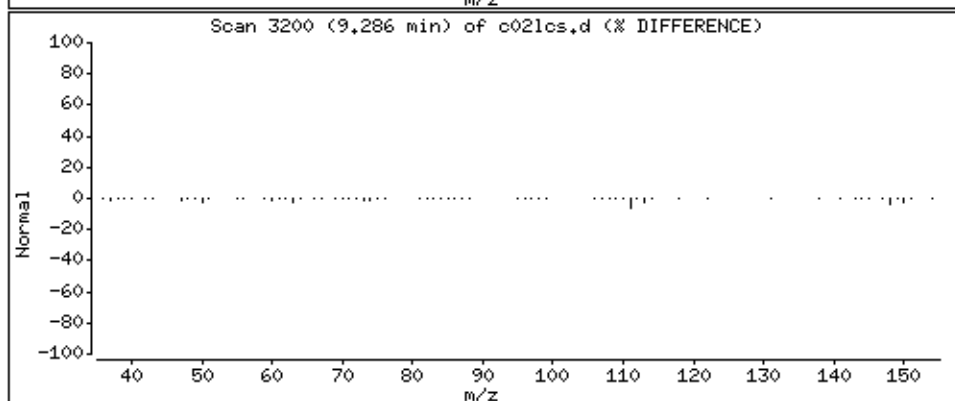
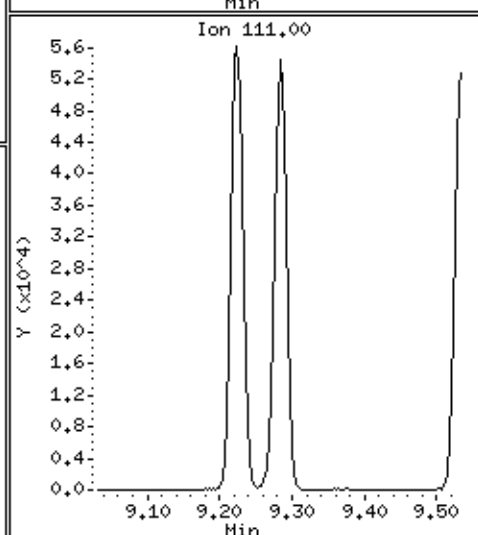
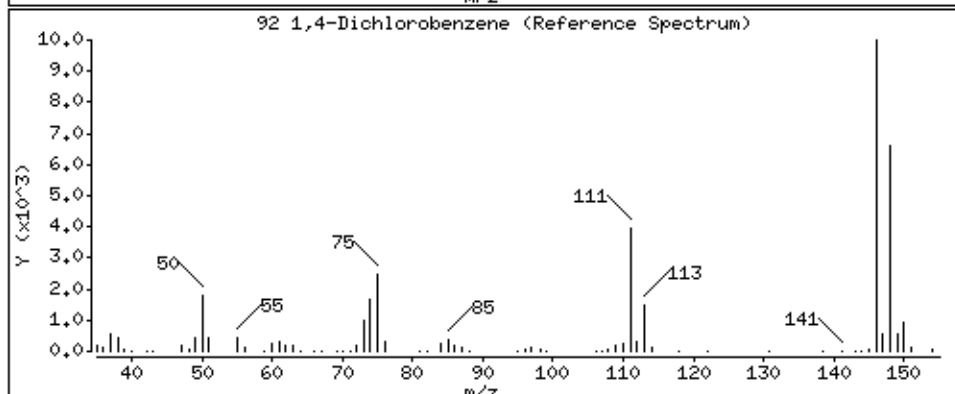
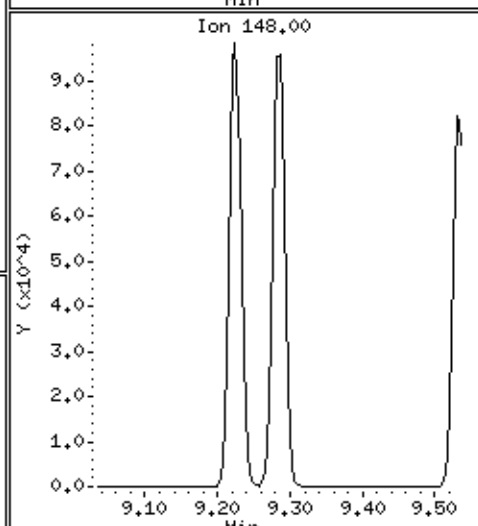
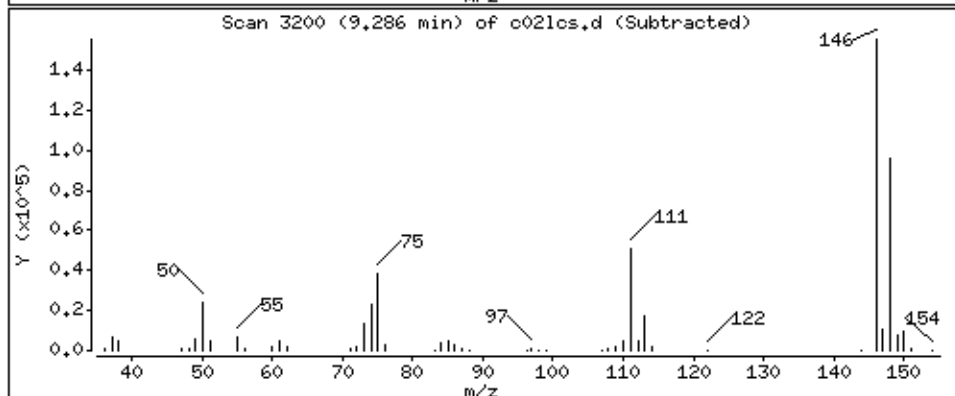
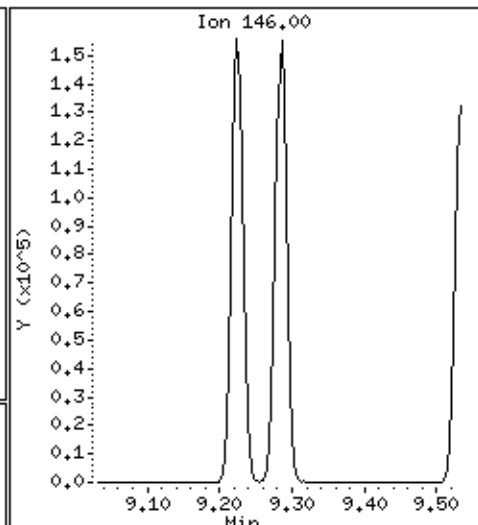
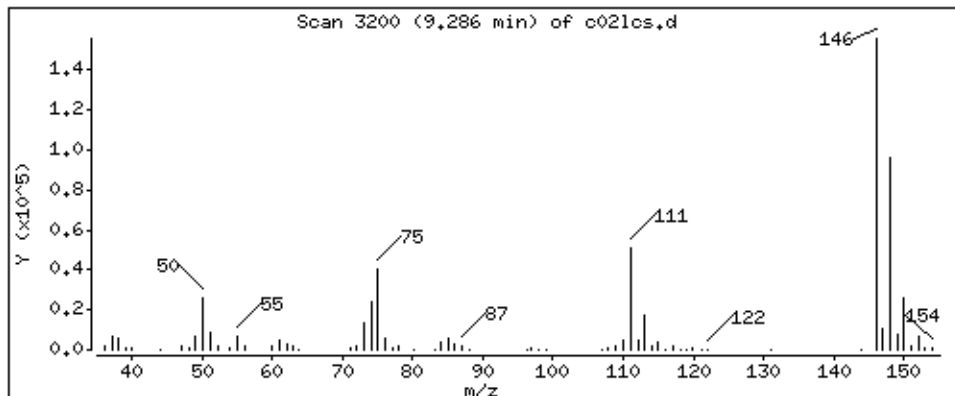
Operator: amv

Column phase: DB-624

Column diameter: 0,18

92 1,4-Dichlorobenzene

Concentration: 49.8 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

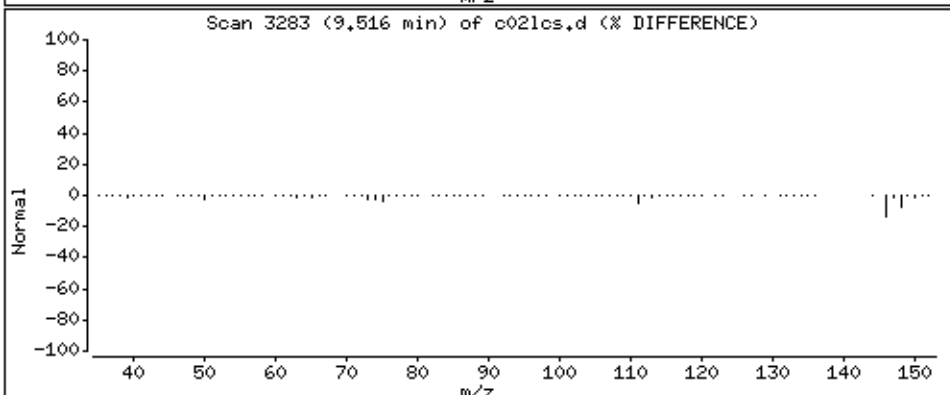
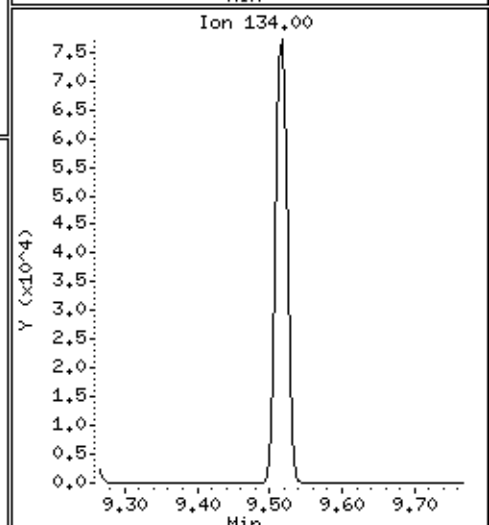
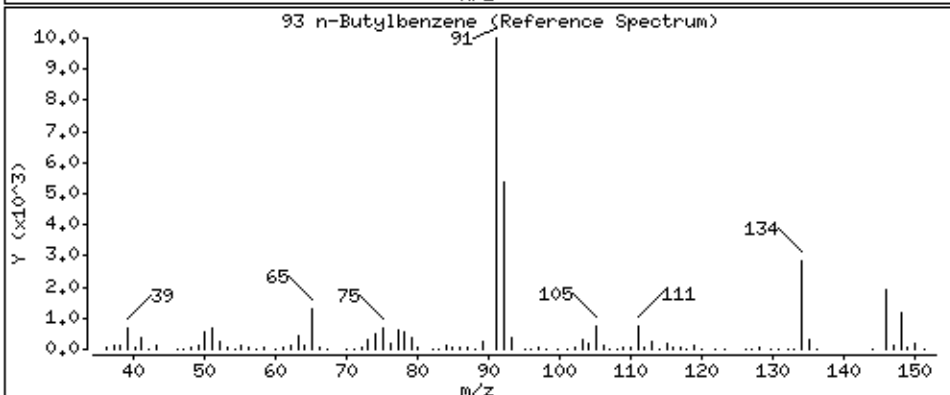
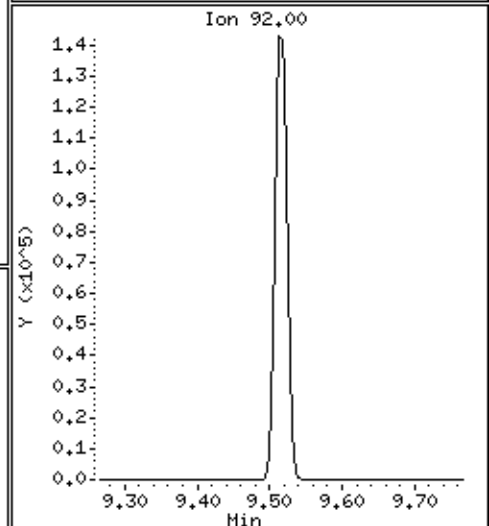
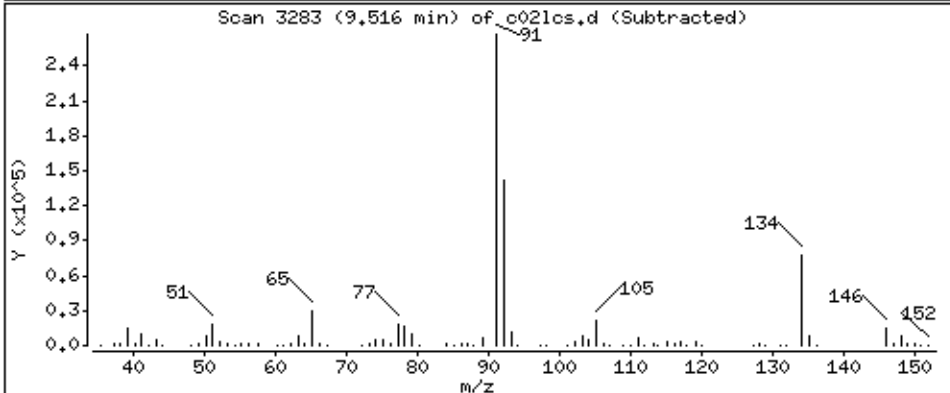
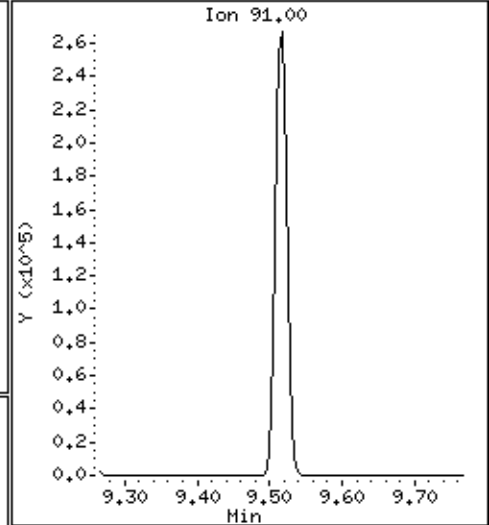
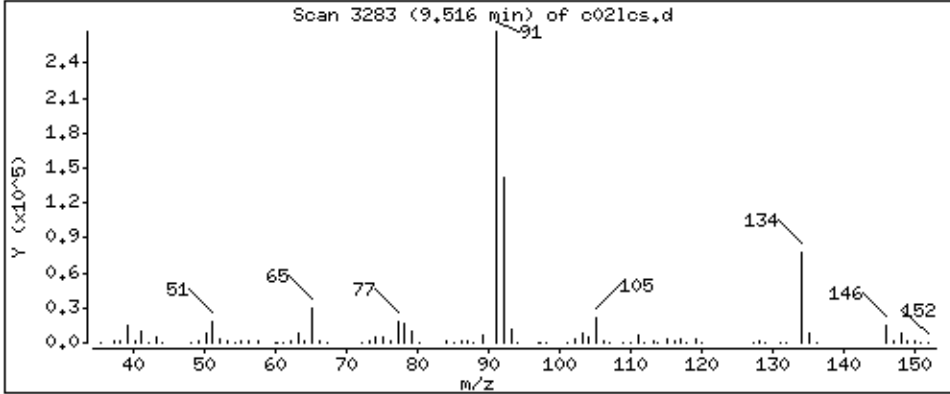
Operator: amv

Column phase: DB-624

Column diameter: 0,18

93 n-Butylbenzene

Concentration: 45,2 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

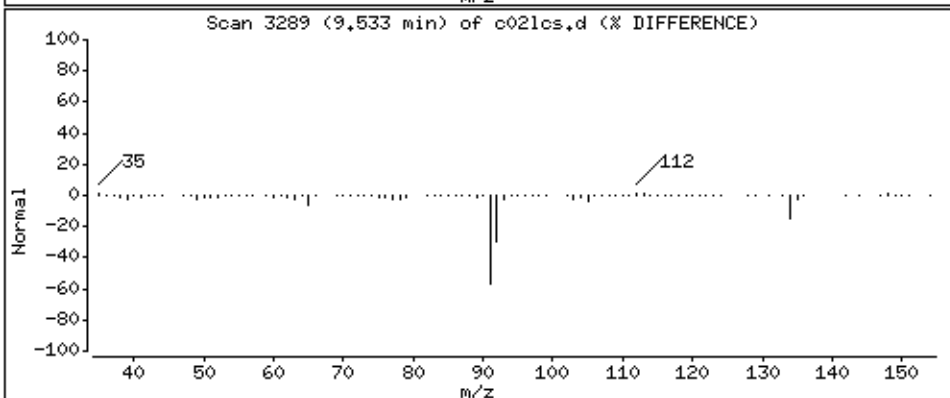
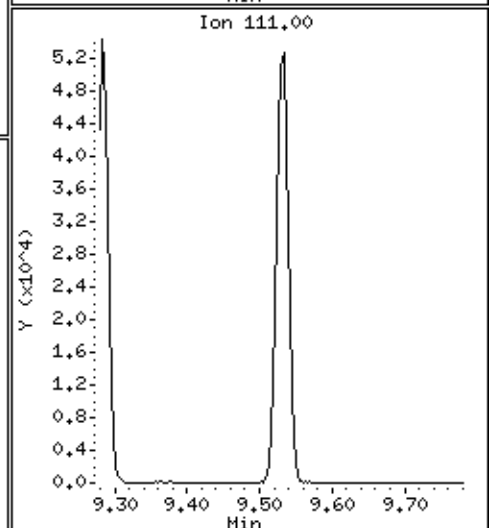
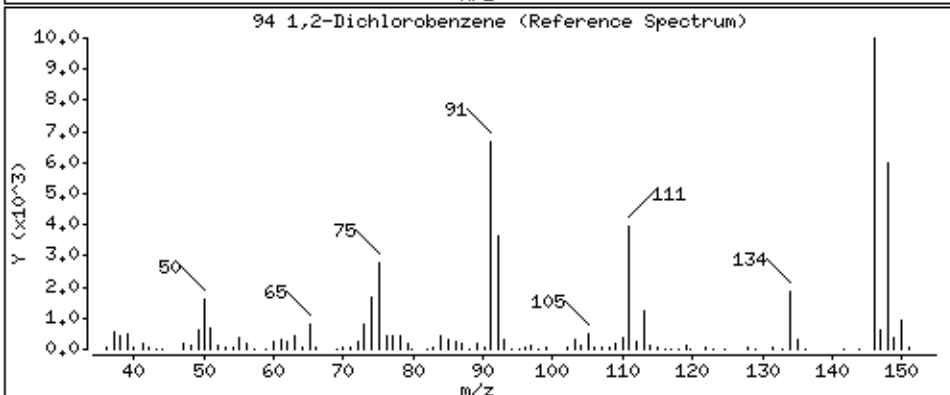
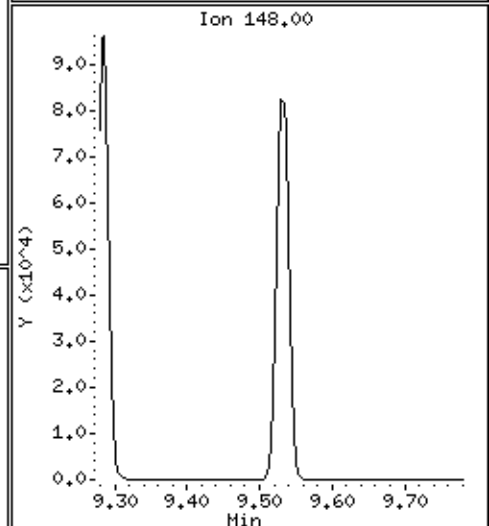
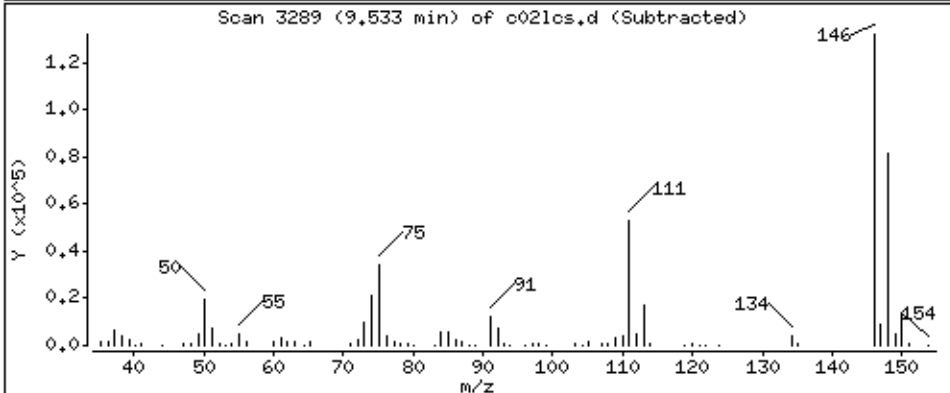
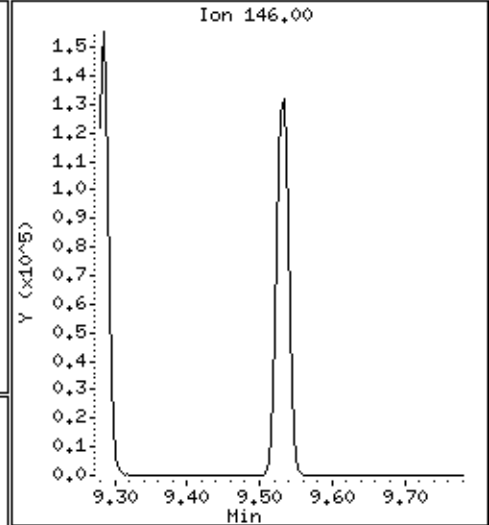
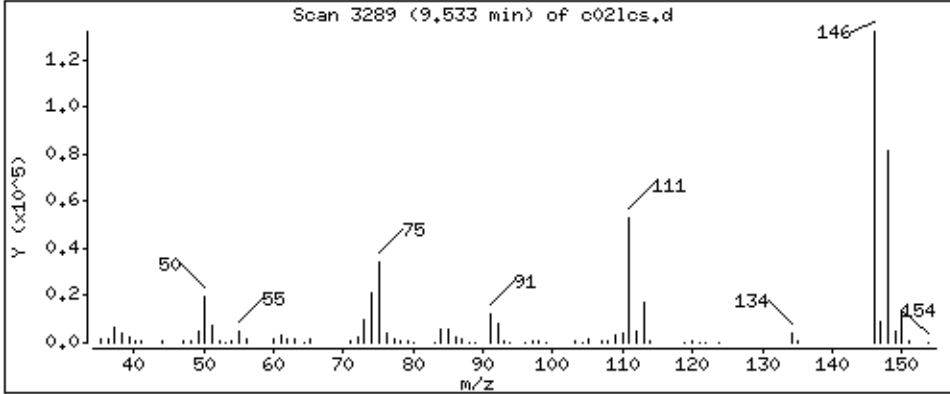
Operator: amv

Column phase: DB-624

Column diameter: 0,18

94 1,2-Dichlorobenzene

Concentration: 49.6 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

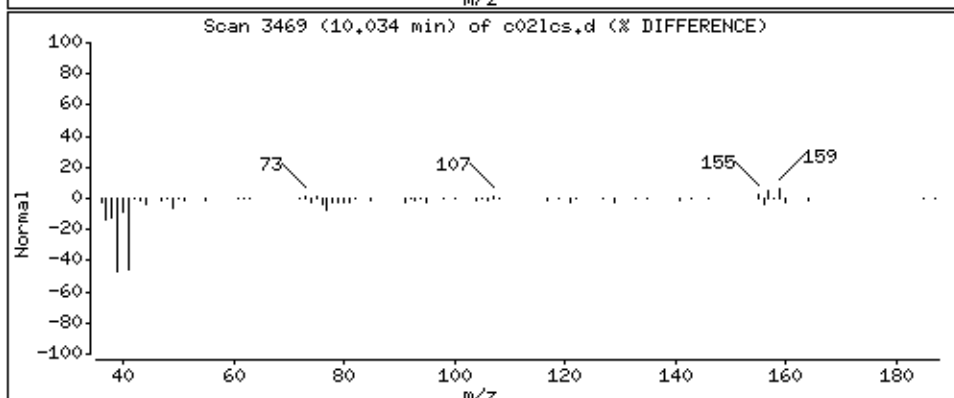
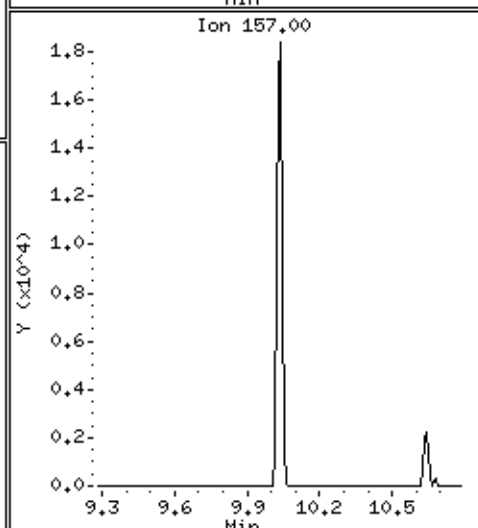
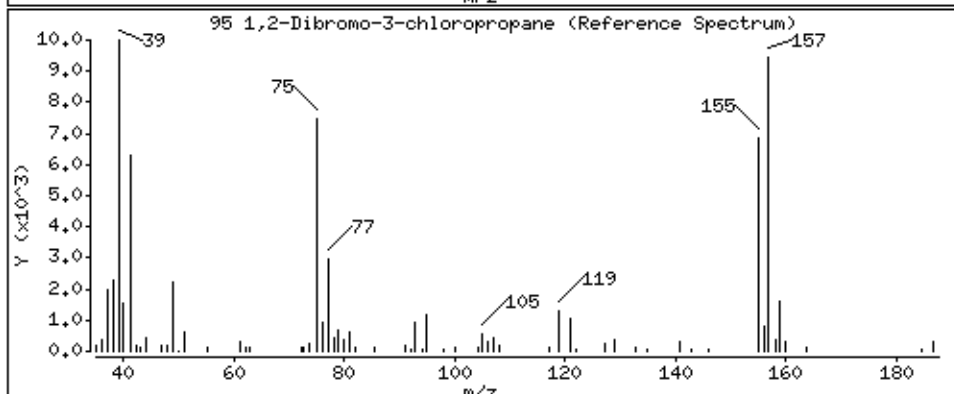
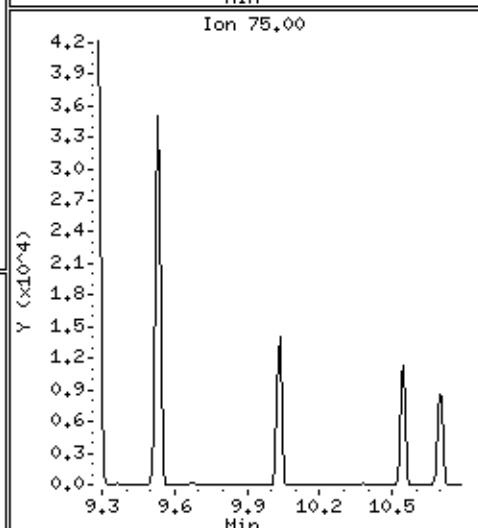
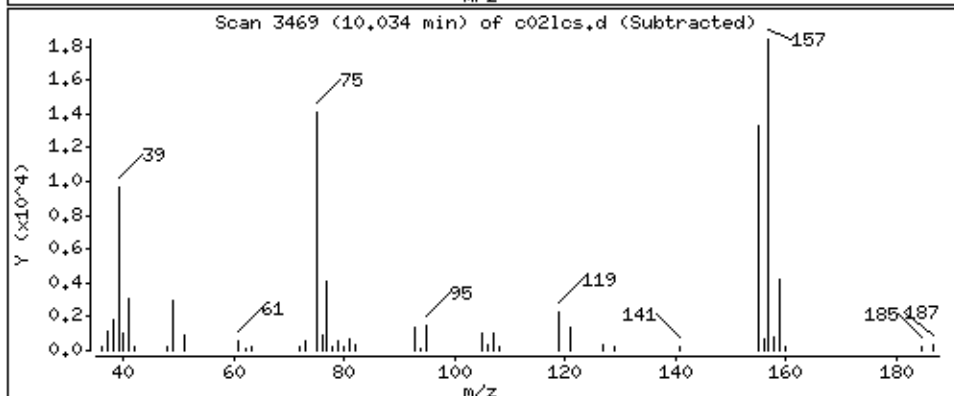
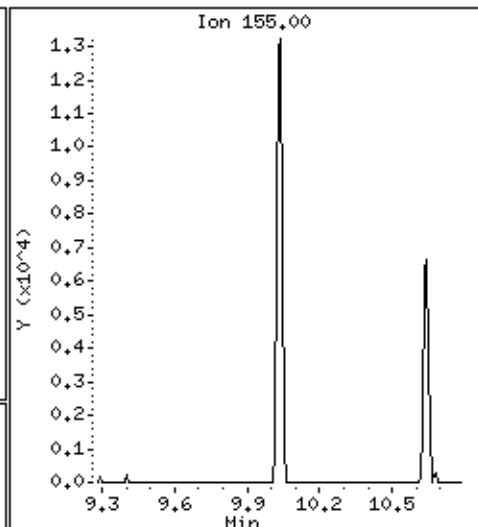
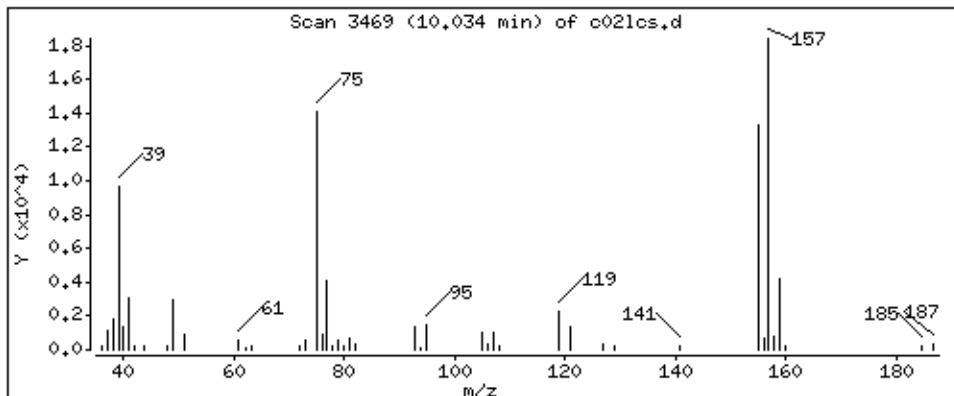
Operator: amv

Column phase: DB-624

Column diameter: 0,18

95 1,2-Dibromo-3-chloropropane

Concentration: 51.2 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

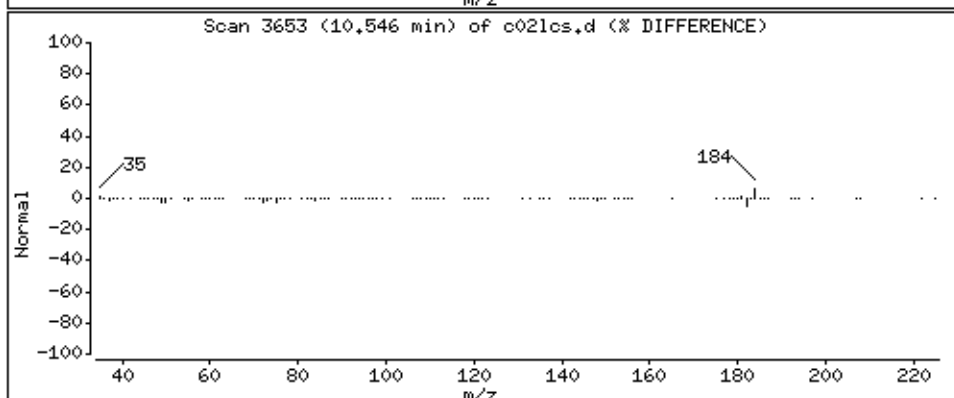
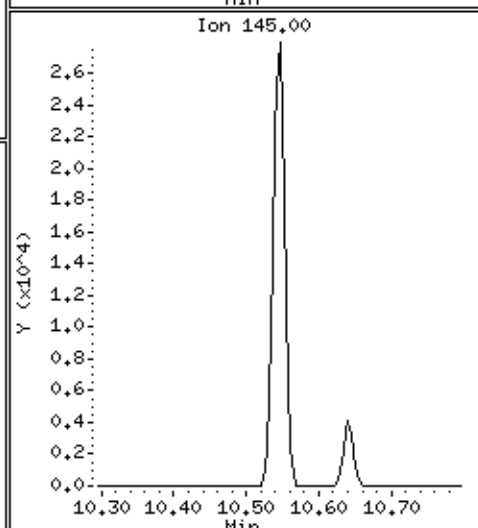
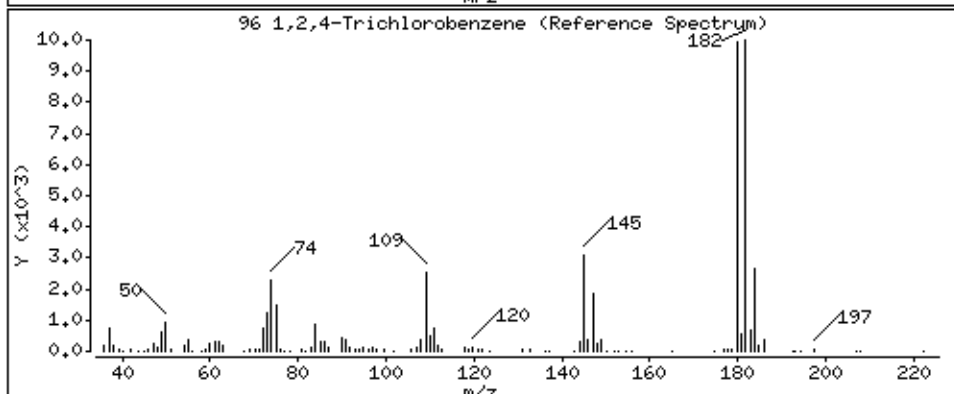
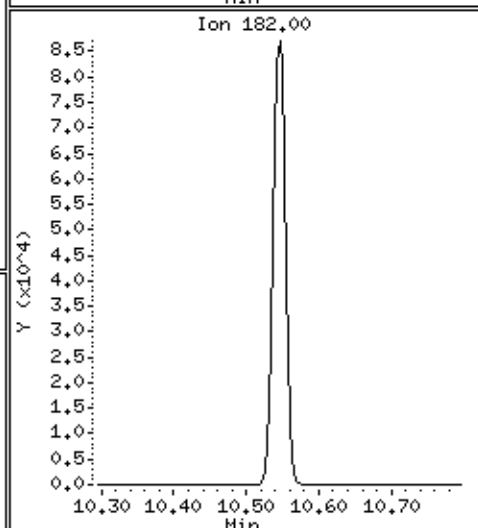
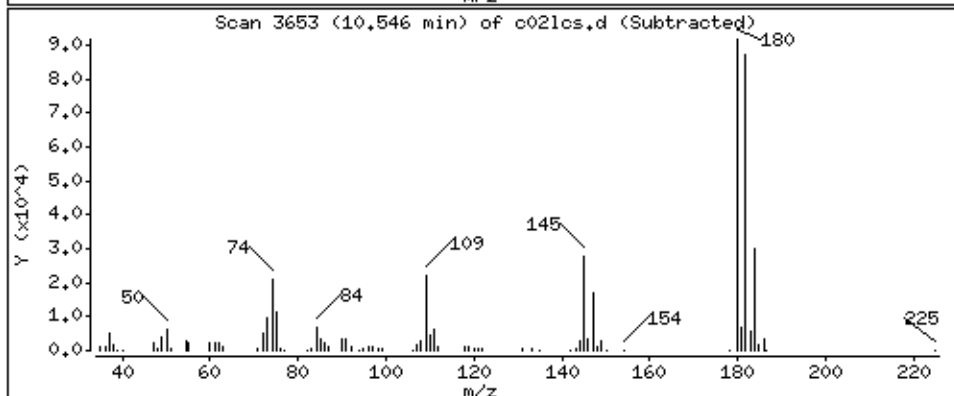
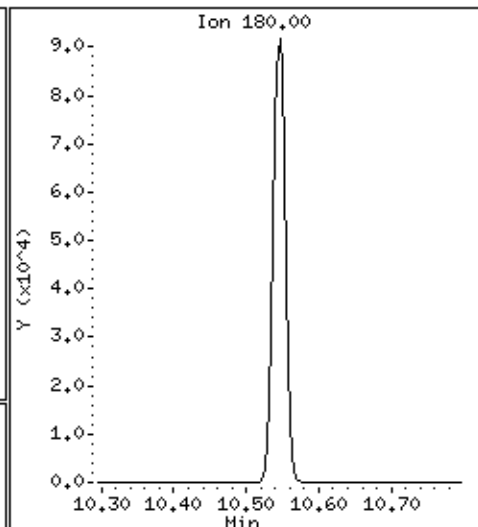
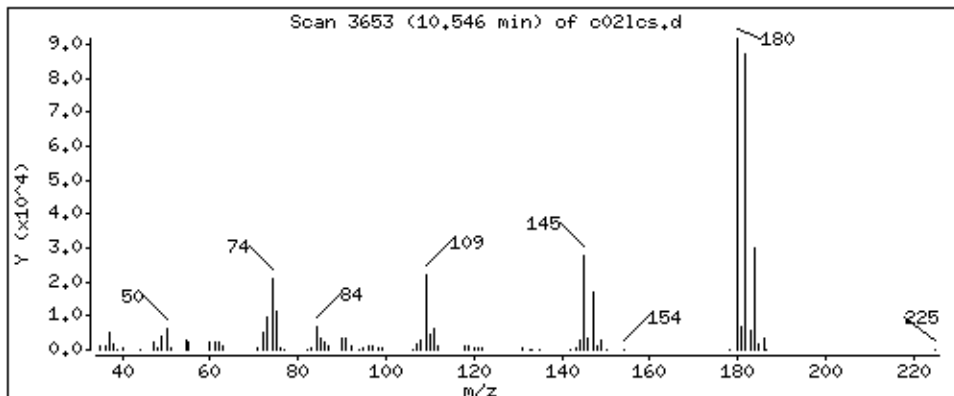
Operator: amv

Column phase: DB-624

Column diameter: 0,18

96 1,2,4-Trichlorobenzene

Concentration: 48,1 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

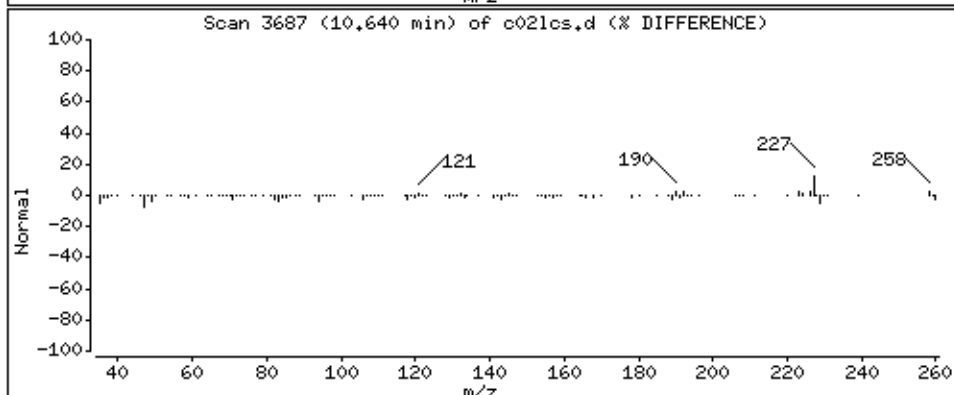
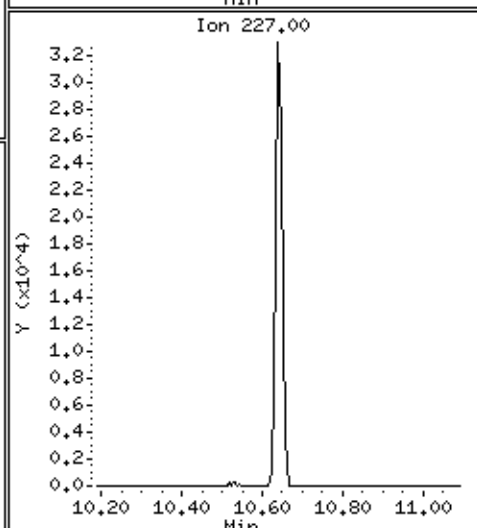
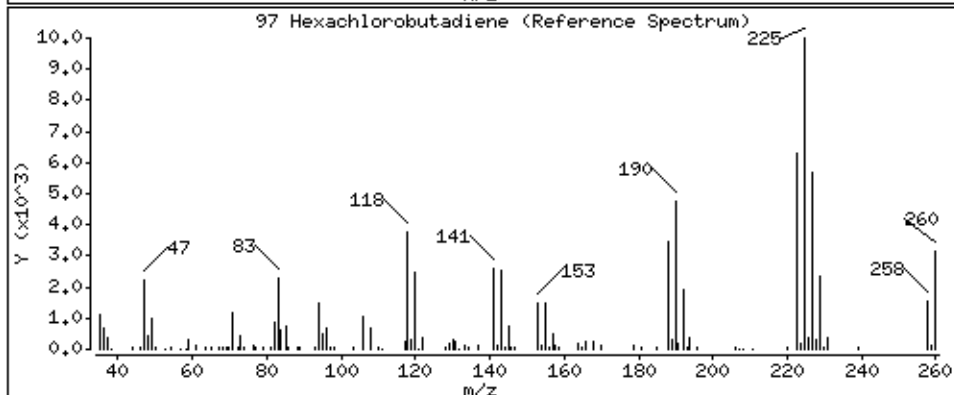
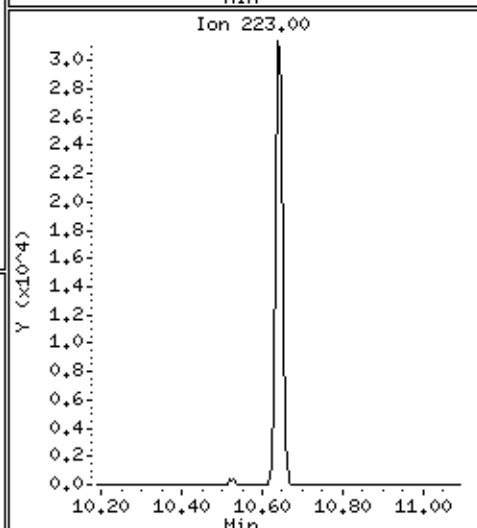
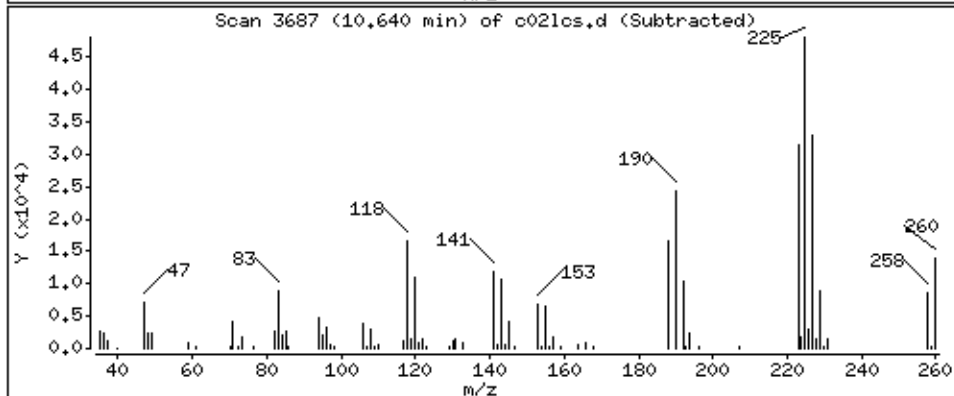
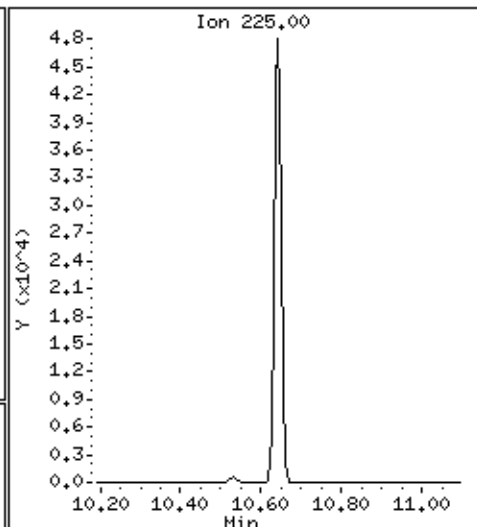
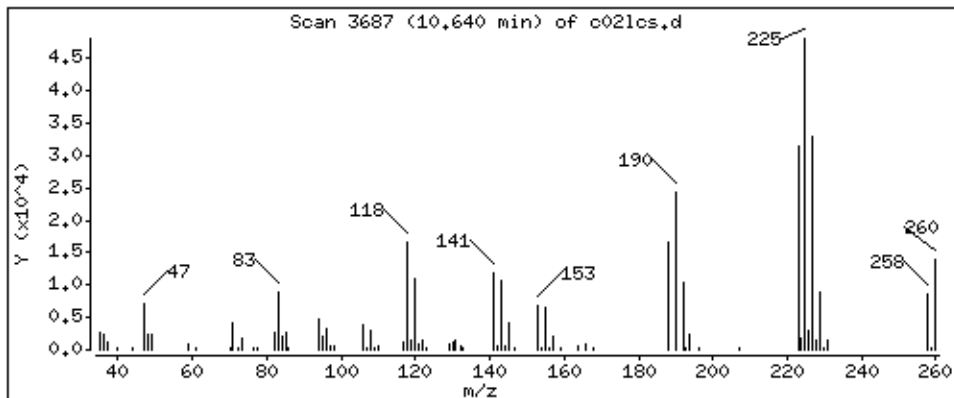
Operator: amv

Column phase: DB-624

Column diameter: 0,18

97 Hexachlorobutadiene

Concentration: 48,5 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

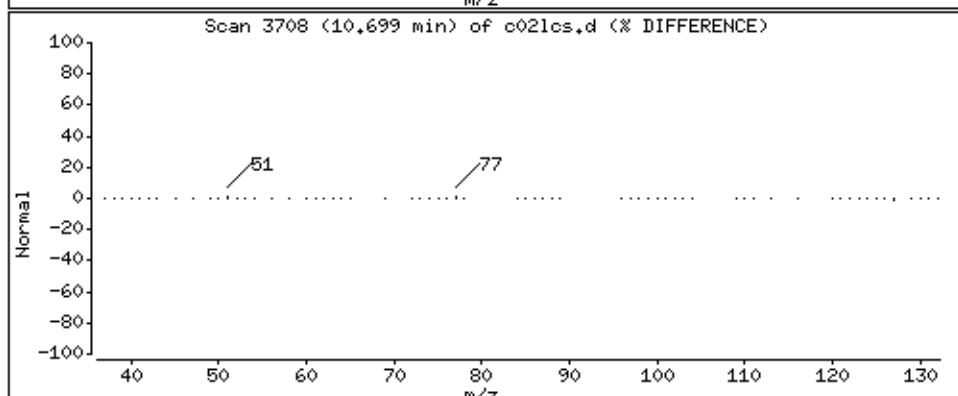
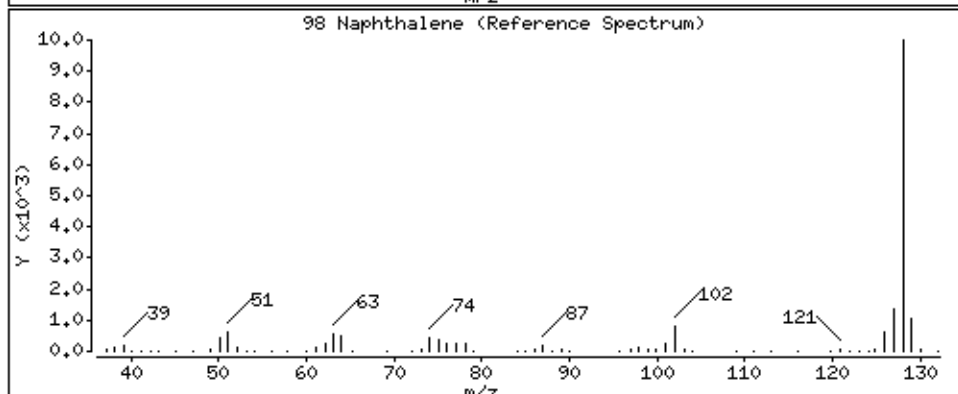
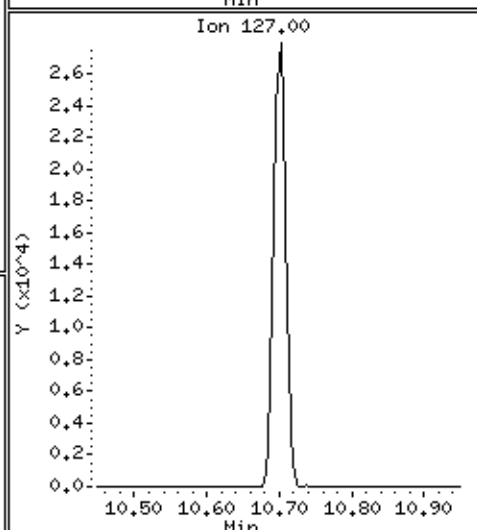
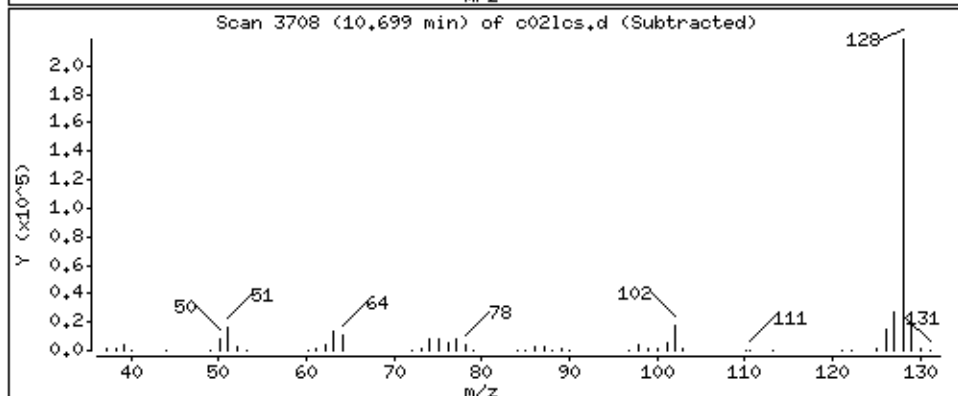
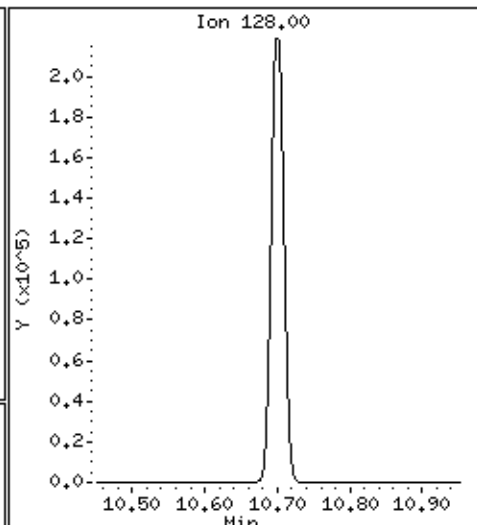
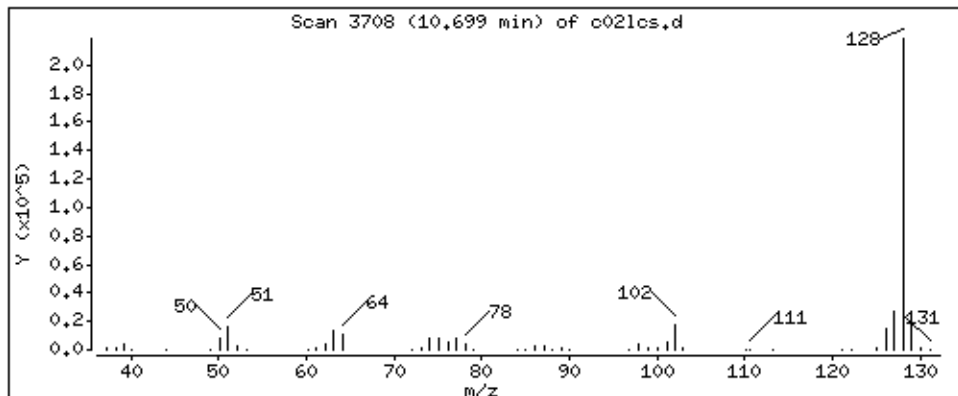
Operator: amv

Column phase: DB-624

Column diameter: 0,18

98 Naphthalene

Concentration: 50,7 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

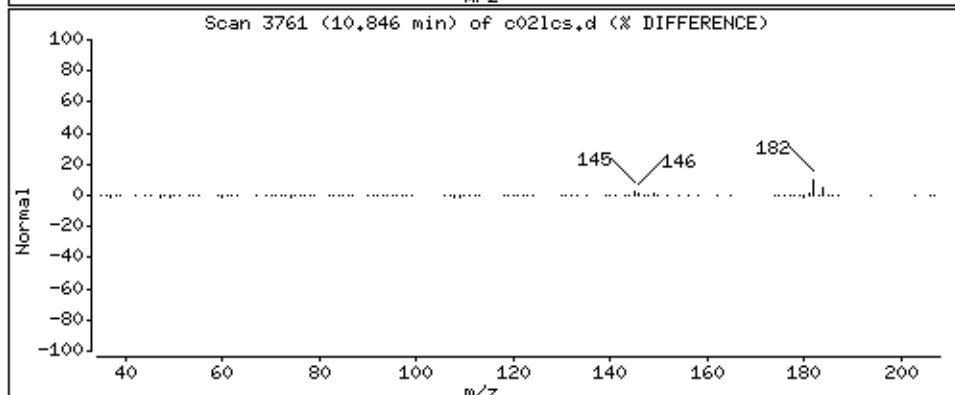
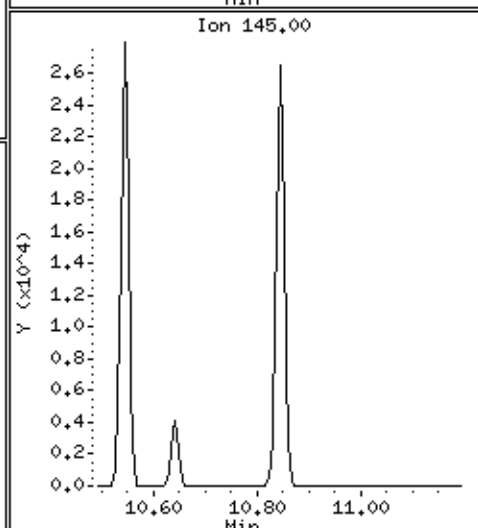
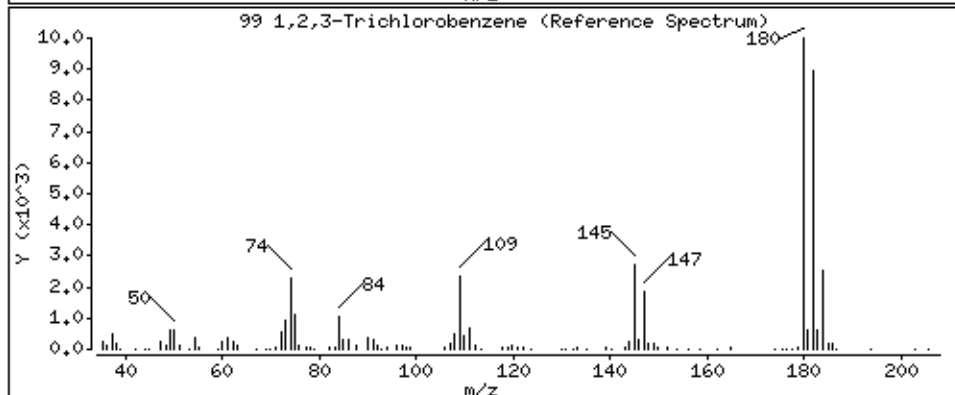
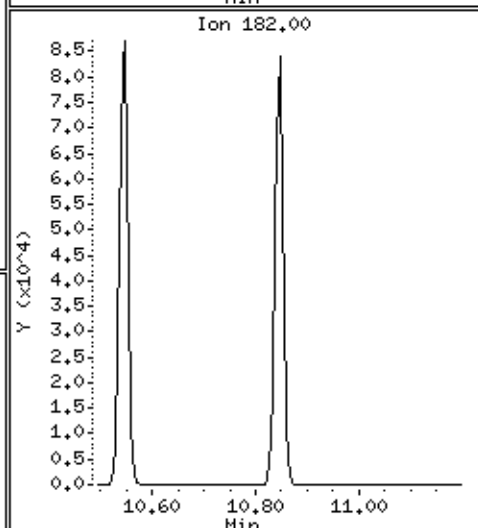
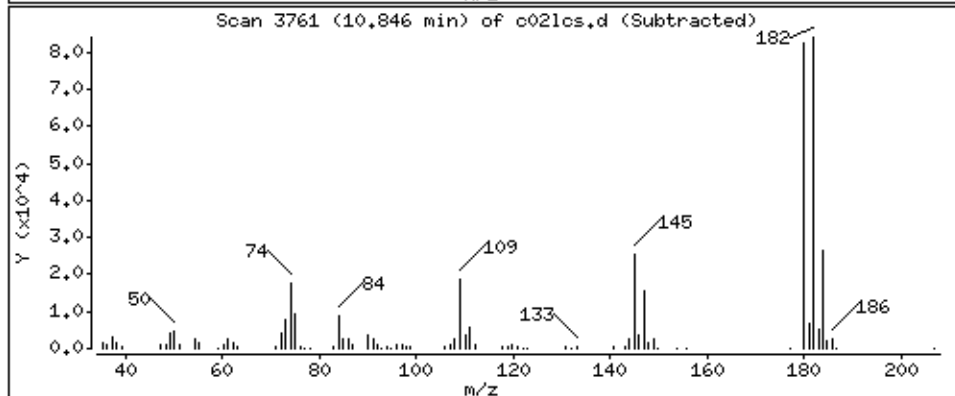
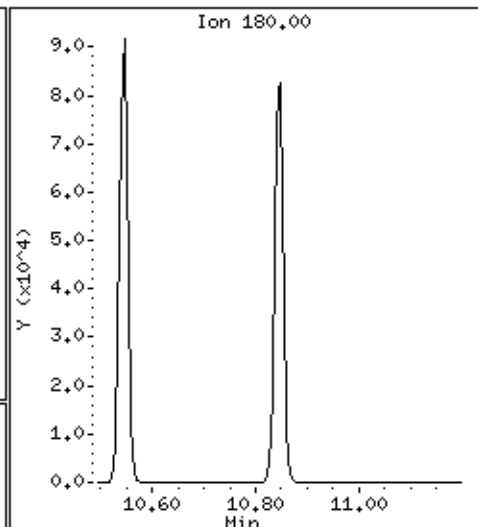
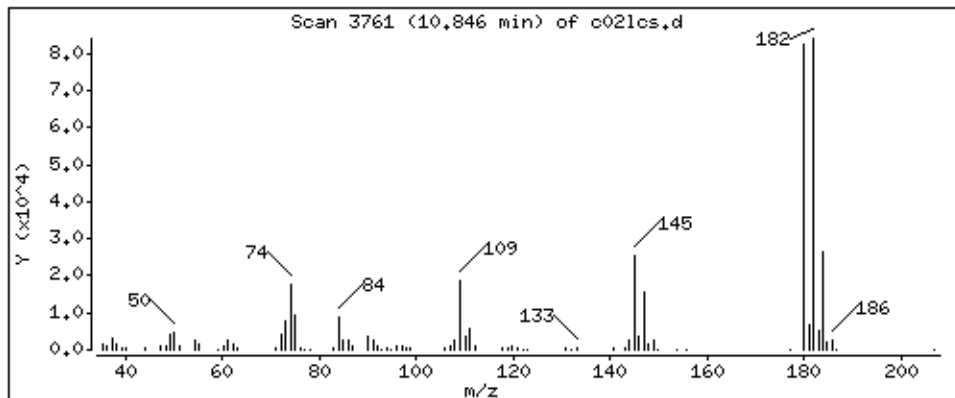
Operator: amv

Column phase: DB-624

Column diameter: 0,18

99 1,2,3-Trichlorobenzene

Concentration: 50,4 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

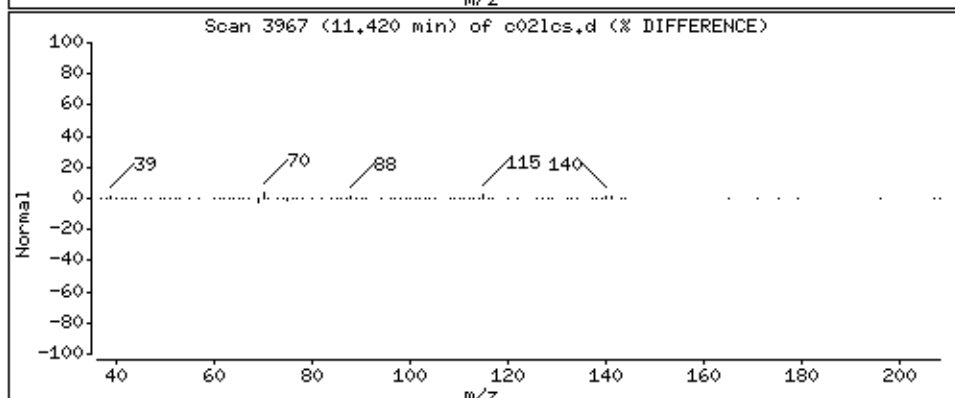
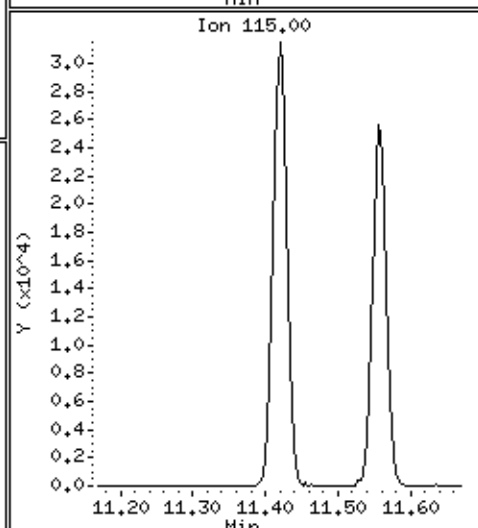
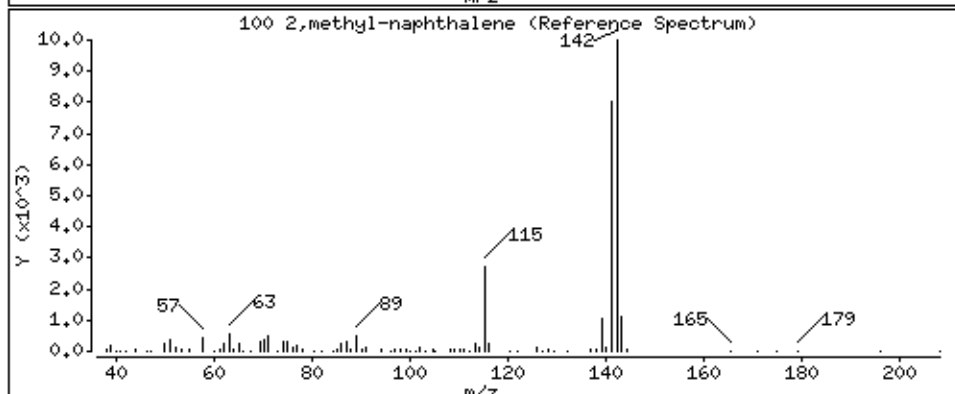
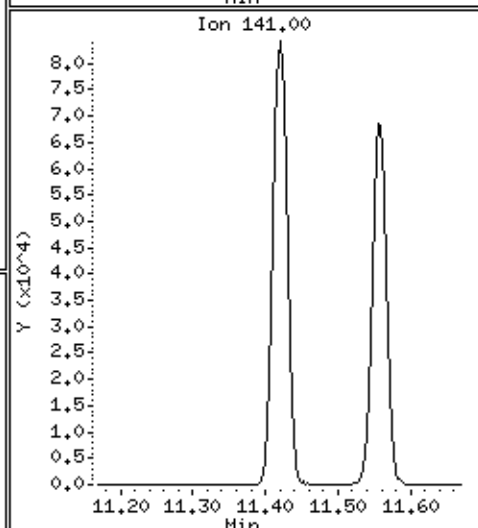
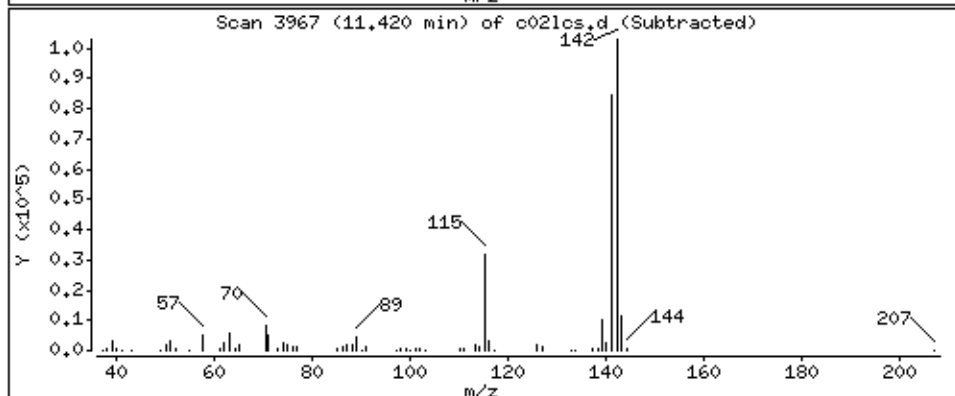
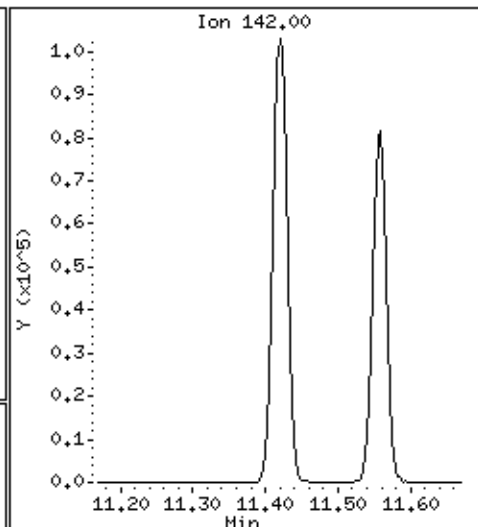
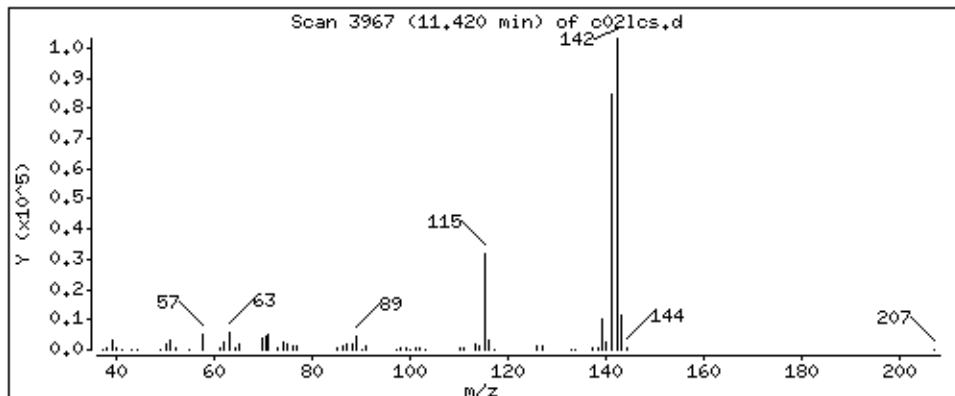
Operator: amv

Column phase: DB-624

Column diameter: 0,18

100 2,methyl-naphthalene

Concentration: 53,8 ppb



Date : 02-SEP-2018 03:40

Client ID:

Instrument: 50mv2a.i

Sample Info: LCS,184314;5

Purge Volume: 5.0

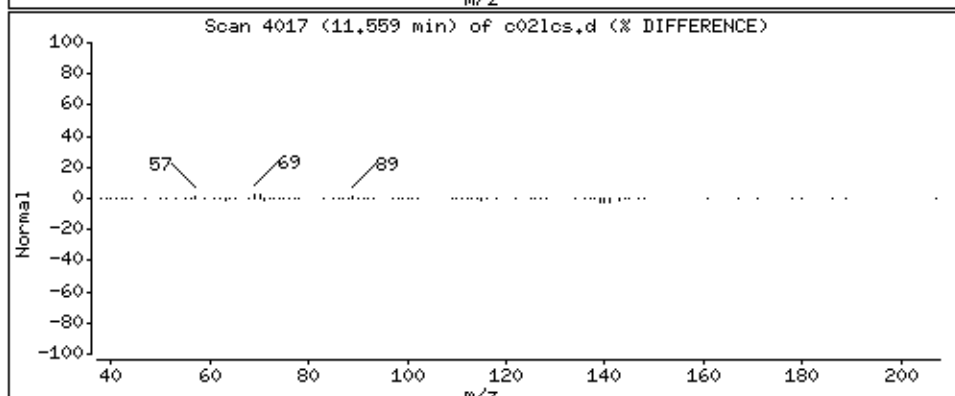
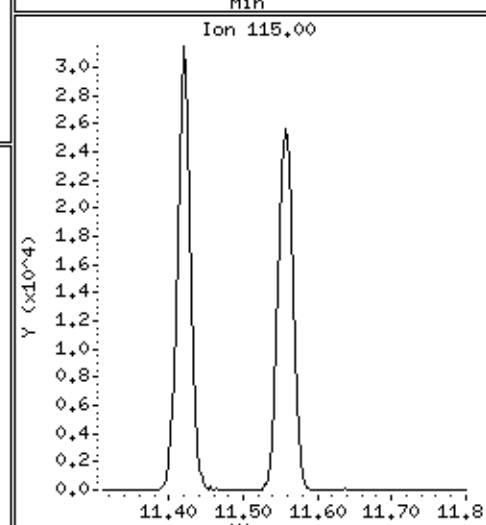
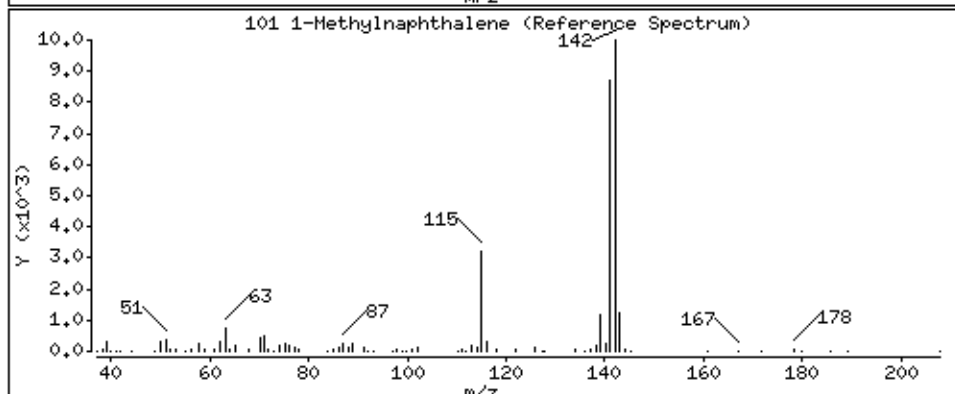
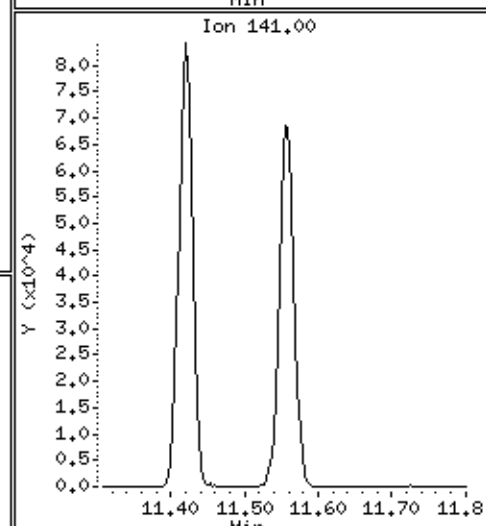
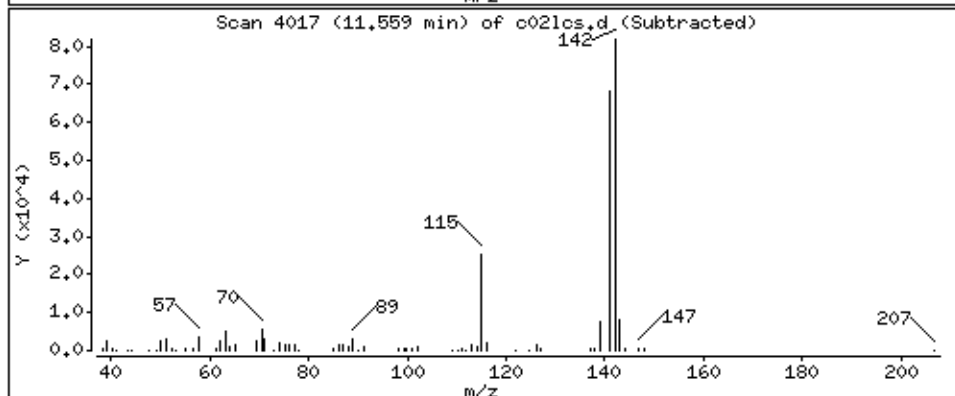
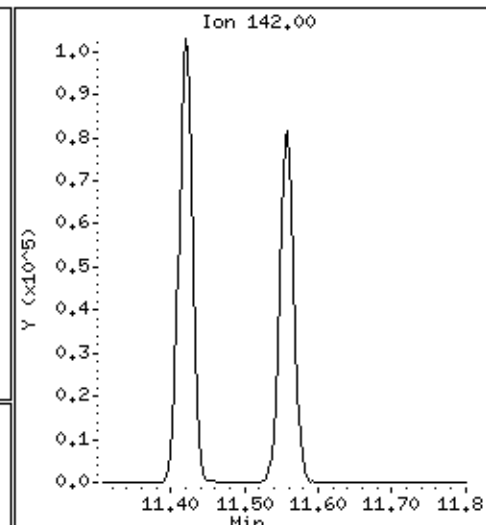
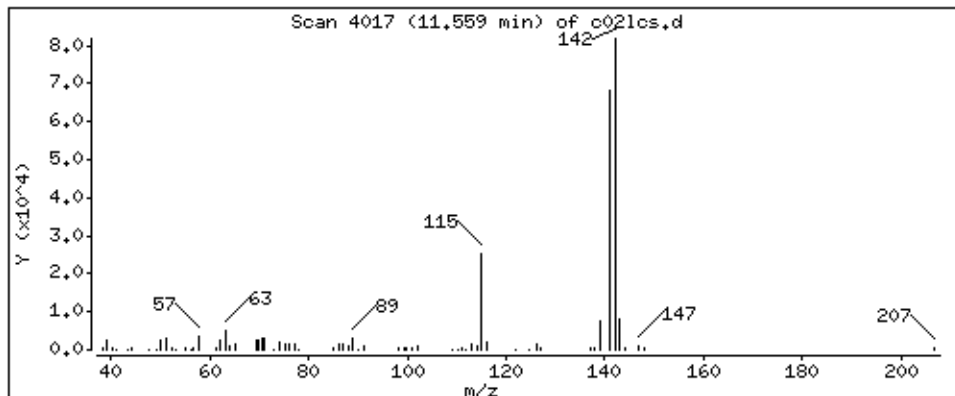
Operator: amv

Column phase: DB-624

Column diameter: 0,18

101 1-Methylnaphthalene

Concentration: 56,2 ppb



Data File: \\192.168.50.6\chem\50mv2a.i\a090118.b/c021cs.d
Injection Date: 02-SEP-2018 03:40
Instrument: 50mv2a.i
Lab Sample ID:
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MS

Lab Name: Pace Analytical - Indiana
 Date Received: 08/29/2018 09:15
 Date Extracted: 09/02/2018 11:48
 Date Analyzed: 09/02/2018 11:48
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
 Matrix: Water SDG No.: 50204438
 Lab Sample ID: 2121946
 Lab File ID: A090118.B\C22.D
 Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	232	
107-02-8	Acrolein	746	
71-43-2	Benzene	51.6	
75-27-4	Bromodichloromethane	46.8	
75-25-2	Bromoform	44.5	
74-83-9	Bromomethane	34.2	
78-93-3	2-Butanone (MEK)	248	
104-51-8	n-Butylbenzene	47.1	
135-98-8	sec-Butylbenzene	52.1	
98-06-6	tert-Butylbenzene	46.6	
75-15-0	Carbon disulfide	49.2	
56-23-5	Carbon tetrachloride	53.1	
108-90-7	Chlorobenzene	53.6	
75-00-3	Chloroethane	54.4	
67-66-3	Chloroform	48.7	
74-87-3	Chloromethane	33.1	
106-93-4	1,2-Dibromoethane (EDB)	52.6	
74-95-3	Dibromomethane	52.8	
95-50-1	1,2-Dichlorobenzene	51.4	
541-73-1	1,3-Dichlorobenzene	52.4	
106-46-7	1,4-Dichlorobenzene	51.5	
75-71-8	Dichlorodifluoromethane	62.1	
75-34-3	1,1-Dichloroethane	51.1	
107-06-2	1,2-Dichloroethane	49.7	
75-35-4	1,1-Dichloroethene	51.8	
156-59-2	cis-1,2-Dichloroethene	50.3	
156-60-5	trans-1,2-Dichloroethene	50.4	
78-87-5	1,2-Dichloropropane	51.0	
10061-01-5	cis-1,3-Dichloropropene	46.3	
10061-02-6	trans-1,3-Dichloropropene	45.4	
100-41-4	Ethylbenzene	51.4	
591-78-6	2-Hexanone	206	
98-82-8	Isopropylbenzene (Cumene)	50.9	
99-87-6	p-Isopropyltoluene	53.2	
75-09-2	Methylene Chloride	51.6	
108-10-1	4-Methyl-2-pentanone (MIBK)	215	
1634-04-4	Methyl-tert-butyl ether	52.5	

09/10/2018 6:14

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MS

Lab Name: Pace Analytical - Indiana
 Date Received: 08/29/2018 09:15
 Date Extracted: 09/02/2018 11:48
 Date Analyzed: 09/02/2018 11:48
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
 Matrix: Water SDG No.: 50204438
 Lab Sample ID: 2121946
 Lab File ID: A090118.B\C22.D
 Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
91-20-3	Naphthalene	49.8	
103-65-1	n-Propylbenzene	49.3	
100-42-5	Styrene	51.7	
630-20-6	1,1,1,2-Tetrachloroethane	51.9	
79-34-5	1,1,2,2-Tetrachloroethane	45.0	
127-18-4	Tetrachloroethene	52.9	
108-88-3	Toluene	47.2	
120-82-1	1,2,4-Trichlorobenzene	47.0	
71-55-6	1,1,1-Trichloroethane	56.3	
79-00-5	1,1,2-Trichloroethane	55.7	
79-01-6	Trichloroethene	48.9	
75-69-4	Trichlorofluoromethane	50.3	
95-63-6	1,2,4-Trimethylbenzene	50.7	
108-67-8	1,3,5-Trimethylbenzene	49.0	
108-05-4	Vinyl acetate	103	
75-01-4	Vinyl chloride	45.2	
179601-23-1	m&p-Xylene	101	
95-47-6	o-Xylene	53.1	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a090118.b\c22.d
 Lab Smp Id:
 Inj Date : 02-SEP-2018 11:48
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : ms
 Misc Info : 117838
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a090118.b\ -a8260_a_c.m
 Meth Date : 04-Sep-2018 10:47 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 48
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS					REVIEW C	
			ON-COLUMN	FINAL					
	MASS		RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)	
=====	=====		=====	=====	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85		0.927	0.927	(0.213)	97665	62.0654	62.1	
2 Chloromethane	50		1.033	1.030	(0.237)	44324	33.0788	33.1	
3 Vinyl Chloride	62		1.069	1.069	(0.245)	76550	45.1778	45.2	
4 Bromomethane	94		1.230	1.228	(0.282)	17813	34.1588	34.2	
5 Chloroethane	64		1.278	1.275	(0.293)	47208	54.4460	54.4	
6 Trichlorofluoromethane	101		1.403	1.400	(0.322)	101260	50.3386	50.3	
7 Diethyl ether	74		1.539	1.536	(0.353)	40015	47.9585	48.0	
8 1,2-dichlorotrifluoroethane	67		1.536	1.534	(0.353)	83313	58.9996	59.0	
9 Acrolein	56		1.611	1.611	(0.370)	240114	746.409	746	
10 1,1,2trichlorotrifluoroethane	101		1.667	1.664	(0.383)	70700	54.2833	54.3	
11 1,1-Dichloroethene	96		1.673	1.673	(0.384)	67963	51.8336	51.8	
12 Acetone	43		1.692	1.692	(0.388)	86497	232.452	232	
13 Iodomethane	142		1.767	1.767	(0.406)	41294	27.9557	28.0	
14 Carbon Disulfide	76		1.815	1.815	(0.416)	190651	49.1909	49.2	
15 Methyl Acetate	43		1.692	1.692	(0.388)	86497	46.1256	46.1(Q)	
16 Acetonitrile	39		1.881	1.879	(0.432)	168083	40.2956	40.3	
17 allyl chloride	41		1.881	1.879	(0.432)	251301	91.5029	91.5	
18 Methylene Chloride	84		1.956	1.956	(0.449)	65281	51.5712	51.6	
19 tert-Butyl Alcohol	59		2.001	2.004	(0.459)	9082	76.8080	76.8(Q)	
20 Acrylonitrile	53		2.115	2.112	(0.485)	105440	179.794	180	
21 Methyl-tert-butyl ether	73		2.132	2.129	(0.489)	211702	52.5133	52.5	
22 1,2-Dichloroethene (trans)	96		2.140	2.137	(0.491)	72392	50.3746	50.4	
23 n-Hexane	57		2.335	2.332	(0.536)	130180	46.5717	46.6	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ppb)	FINAL (ppb)	
24 Vinyl Acetate	43	2.482	2.482	(0.570)	459623	102.977	103	
25 1,1-Dichloroethane	63	2.452	2.452	(0.563)	139344	51.0980	51.1	
26 Chloroprene	53	2.527	2.527	(0.580)	148969	48.0935	48.1	
27 Ethyl acetate	88	2.530	2.527	(0.581)	69479	442.973	443 (Q)	
28 2-Butanone	72	2.983	2.983	(0.685)	32633	247.565	248	
29 1,2-Dichloroethene (cis)	96	2.966	2.966	(0.681)	79919	50.3175	50.3	
30 2,2-Dichloropropane	77	2.972	2.966	(0.682)	85627	36.3186	36.3	
31 Propionitrile	54	3.047	3.044	(0.699)	7914	41.1049	41.1 (Q)	
32 Methacrylonitrile	41	3.208	3.206	(0.736)	198823	189.041	189	
33 Bromochloromethane	49	3.217	3.217	(0.738)	58941	46.6706	46.7	
34 Tetrahydrofuran	42	3.270	3.275	(0.750)	21802	42.8758	42.9	
35 Chloroform	83	3.309	3.306	(0.759)	132055	48.6627	48.7	
\$ 36 Dibromofluoromethane (S)	113	3.495	3.495	(0.802)	71416	55.1977	55.2	
37 1,1,1-Trichloroethane	97	3.523	3.523	(0.808)	131860	56.3183	56.3	
38 cyclohexane	56	3.587	3.584	(0.823)	134785	41.9782	42.0	
150 n-butyl chloride	56	3.587	3.584	(0.823)	134793	35.3111	35.3	
39 Carbon Tetrachloride	117	3.732	3.726	(0.856)	111492	53.0534	53.0	
40 1,1-Dichloropropene	75	3.732	3.732	(0.856)	103422	52.2962	52.3	
41 Benzene	78	4.001	3.999	(0.918)	290874	51.6310	51.6	
42 1,2-Dichloroethane	62	4.032	4.029	(0.925)	102649	49.6623	49.7	
43 2,2,4-Trimethylpentane	57	4.115	4.121	(0.944)	343527	52.6108	52.6	
44 Isobutyl alcohol	43	3.935	3.924	(0.903)	9570	207.091	207	
* 45 Fluorobenzene	96	4.358	4.360	(1.000)	289701	50.0000		
46 isopropyl acetate	61	4.140	4.141	(0.950)	116191	206.360	206 (Q)	
47 Trichloroethene	95	4.805	4.805	(1.103)	74992	48.8525	48.8	
48 Methylcyclohexane	55	5.020	5.020	(1.152)	115006	42.5602	42.6	
49 1,2-Dichloropropane	63	5.067	5.064	(1.163)	76217	50.9802	51.0	
50 1,4-Dioxane	88	5.245	5.242	(1.204)	2332	520.853	521	
51 Dibromomethane	93	5.198	5.198	(1.193)	41426	52.8277	52.8	
52 Methyl methacrylate	69	5.251	5.245	(1.205)	50740	44.8908	44.9	
53 Bromodichloromethane	83	5.395	5.398	(1.238)	96020	46.8383	46.8	
55 cis-1,3-Dichloropropene	75	5.904	5.904	(0.783)	108467	46.3463	46.3	
56 4-Methyl-2-Pentanone	43	6.096	6.096	(0.809)	388992	214.703	215	
\$ 57 Toluene-d8	98	6.188	6.185	(0.821)	276649	51.4195	51.4	
58 Toluene	91	6.258	6.258	(0.830)	312609	47.2492	47.2	
59 trans-1,3-Dichloropropene	75	6.514	6.514	(0.864)	99492	45.3740	45.4	
60 Ethyl Methacrylate	69	6.633	6.631	(0.880)	391082	192.074	192	
61 1,1,2-Trichloroethane	83	6.689	6.686	(0.887)	53860	55.6824	55.7	
62 Tetrachloroethene	166	6.806	6.806	(0.903)	93979	52.9061	52.9	
63 1,3-Dichloropropane	76	6.842	6.845	(0.907)	119394	55.3467	55.3	
64 2-Hexanone	43	6.948	6.945	(0.921)	262752	205.601	206	
65 Dibromochloromethane	129	7.042	7.045	(0.934)	75555	52.1998	52.2	
66 1,2-Dibromoethane	107	7.137	7.134	(0.947)	63458	52.5820	52.6	
* 67 Chlorobenzene-d5	117	7.540	7.540	(1.000)	220055	50.0000		
68 Chlorobenzene	112	7.565	7.563	(1.003)	204859	53.5929	53.6	
69 1,1,1,2-Tetrachloroethane	131	7.641	7.641	(1.013)	76834	51.9117	51.9	
70 Ethylbenzene	106	7.666	7.663	(1.017)	114357	51.3994	51.4	
71 m&p-Xylene	106	7.763	7.760	(1.030)	278161	100.522	100	
72 o-Xylene	106	8.069	8.069	(1.070)	134237	53.0834	53.1	
73 Styrene	104	8.083	8.083	(1.072)	222131	51.6704	51.7	
74 Bromoform	173	8.219	8.217	(0.887)	47351	44.4879	44.5	
75 Isopropylbenzene	105	8.353	8.353	(1.108)	368778	50.9253	50.9	
\$ 76 4-Bromofluorobenzene	95	8.461	8.461	(1.122)	108631	52.7439	52.7	
77 n-amyl acetate	70	8.239	8.239	(1.093)	142094	137.167	137	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ppb)	FINAL (ppb)	
78 Bromobenzene	77	8.567	8.564	(1.136)	127327	50.3222	50.3	
79 1,1,2,2-Tetrachloroethane	83	8.578	8.578	(0.926)	76497	45.0139	45.0	
80 trans-1,4-Dichloro-2-butene	53	8.617	8.614	(1.143)	78265	132.125	132 (Q)	
81 1,2,3-Trichloropropane	110	8.600	8.603	(0.928)	26627	50.0229	50.0 (Q)	
82 n-Propylbenzene	91	8.651	8.651	(0.933)	417268	49.3026	49.3	
83 2-Chlorotoluene	91	8.709	8.709	(0.940)	257774	55.6807	55.7	
84 1,3,5-Trimethylbenzene	105	8.776	8.776	(0.947)	286155	48.9563	49.0	
85 4-Chlorotoluene	126	8.787	8.784	(0.948)	83680	51.8855	51.9	
86 tert-Butylbenzene	119	9.001	9.001	(0.971)	316561	46.6384	46.6	
87 1,2,4-Trimethylbenzene	105	9.032	9.032	(0.974)	296679	50.7488	50.7	
88 sec-Butylbenzene	105	9.149	9.149	(0.987)	393151	52.0817	52.1	
89 1,3-Dichlorobenzene	146	9.224	9.224	(0.995)	166652	52.3521	52.4	
90 p-Isopropyltoluene	119	9.246	9.246	(0.998)	336263	53.2038	53.2	
* 91 1,4-Dichlorobenzene-d4	152	9.268	9.268	(1.000)	117592	50.0000		
92 1,4-Dichlorobenzene	146	9.285	9.282	(1.002)	164923	51.5305	51.5	
93 n-Butylbenzene	91	9.516	9.516	(1.027)	280304	47.1234	47.1	
94 1,2-Dichlorobenzene	146	9.532	9.530	(1.029)	146273	51.4228	51.4	
95 1,2-Dibromo-3-chloropropane	155	10.033	10.033	(1.083)	13648	47.5038	47.5	
96 1,2,4-Trichlorobenzene	180	10.545	10.545	(1.138)	95997	47.0108	47.0	
97 Hexachlorobutadiene	225	10.643	10.643	(1.148)	50857	48.0727	48.1	
98 Naphthalene	128	10.701	10.701	(1.155)	236019	49.7751	49.8	
99 1,2,3-Trichlorobenzene	180	10.846	10.846	(1.170)	93269	50.8322	50.8	
100 2-methyl-naphthalene	142	11.419	11.419	(1.232)	114343	46.9624	47.0	
101 1-Methylnaphthalene	142	11.555	11.558	(1.247)	95746	48.8341	48.8	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a090118.b\c22.d
 Lab Smp Id:
 Inj Date : 02-SEP-2018 11:48
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : ms
 Misc Info : 117838
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a090118.b\ -a8260_a_c.m
 Meth Date : 04-Sep-2018 10:47 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 48
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

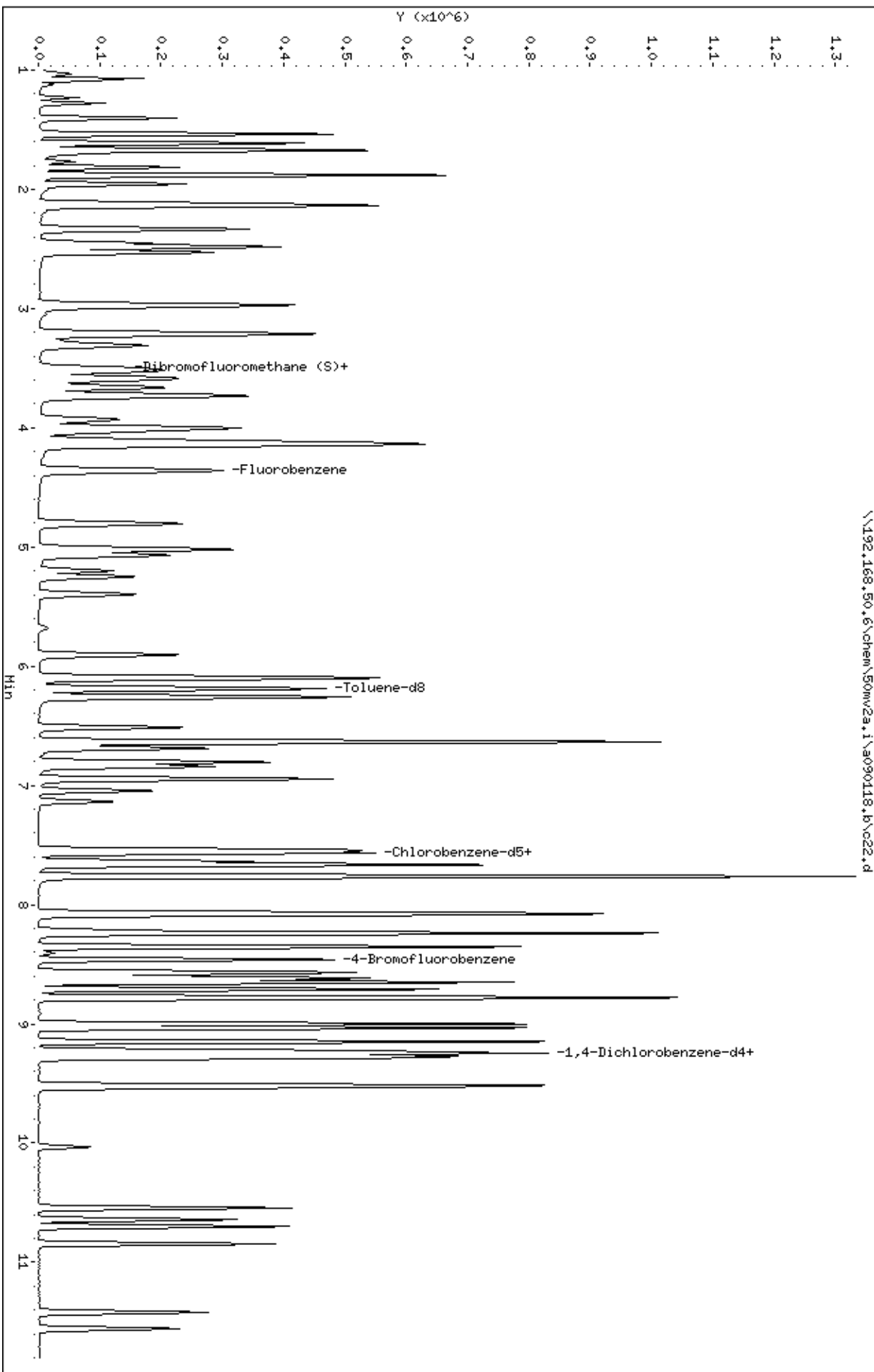
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

COMPOUND	RT	AREA	AMOUNT
1 Dichlorodifluoromethane	0.927	222226	62.065
3 Vinyl Chloride	1.069	201965	45.178
55 cis-1,3-Dichloropropene	5.905	364165	46.346
\$ 76 4-Bromofluorobenzene	8.462	523008	52.744

RT	AREA	CONCENTRATIONS			QUAL	QUANT			REVIEW CODE
		ON-COL(ppb)	FINAL(ppb)			LIBRARY	LIB ENTRY	CPND #	
Unknown									
0.855	510697	142.632231	143	0		0	1		
Acetaldehyde									
1.119	39498	8.83524176	8.84	64	WILEY.1	73	3		
METHANE, CHLOROiodo-									
5.680	28827	3.66866875	3.67	91	WILEY.1	24014	55		
2-Butene, 2,3-dichloro-									
8.409	26983	2.72114410	2.72	87	WILEY.1	5574	76		

Client ID:
Sample Info: ms
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw2a.i
Operator: amw
Column diameter: 0.18



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

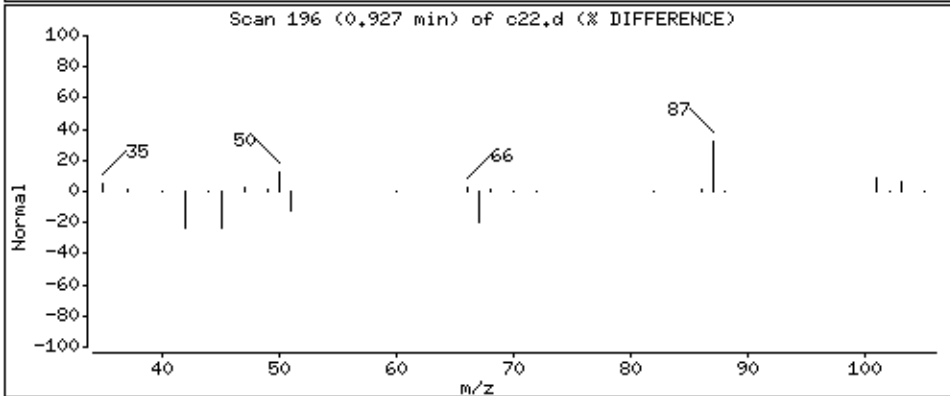
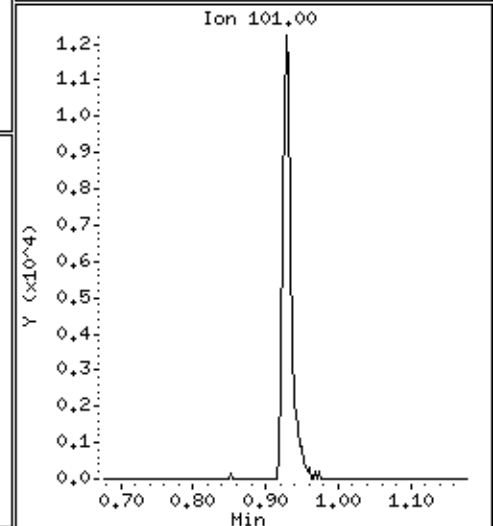
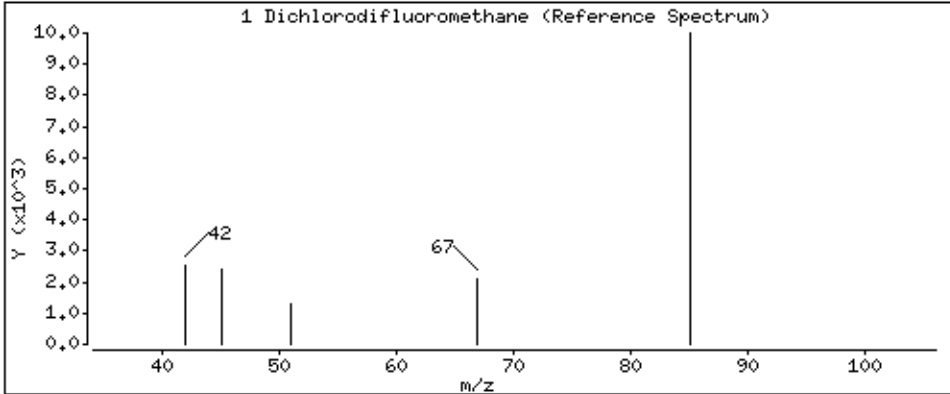
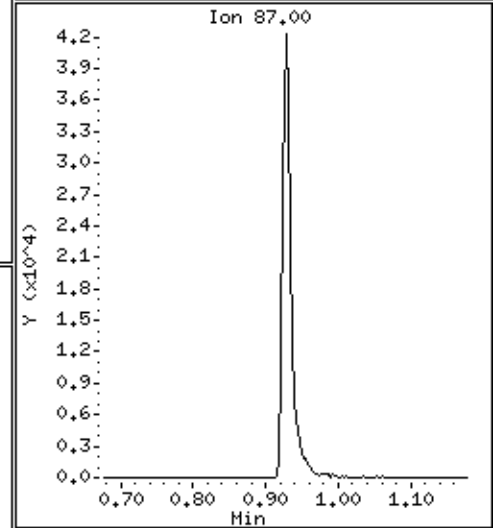
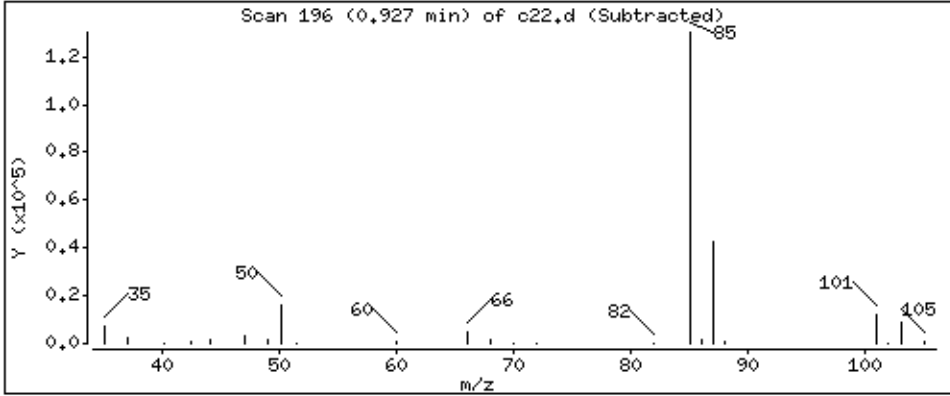
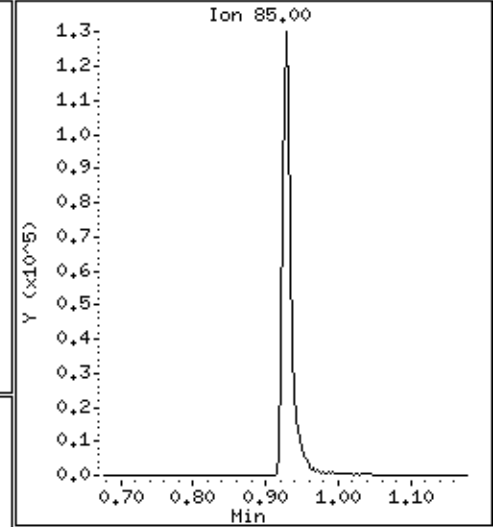
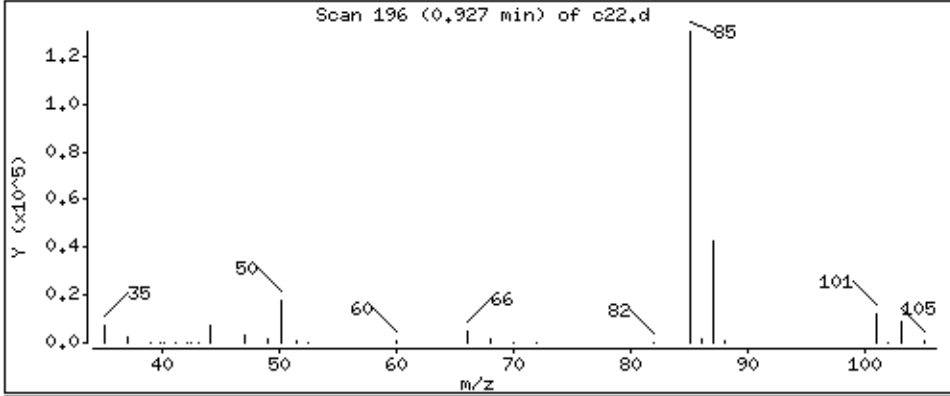
Operator: amv

Column phase: DB-624

Column diameter: 0,18

1 Dichlorodifluoromethane

Concentration: 62.1 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

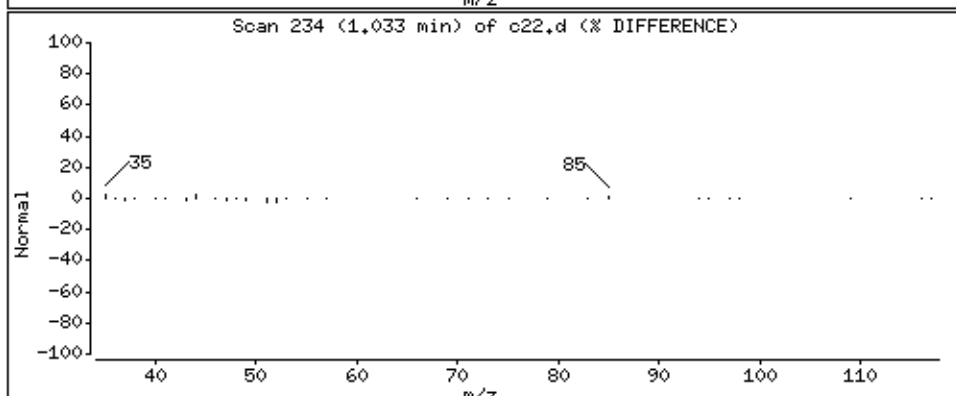
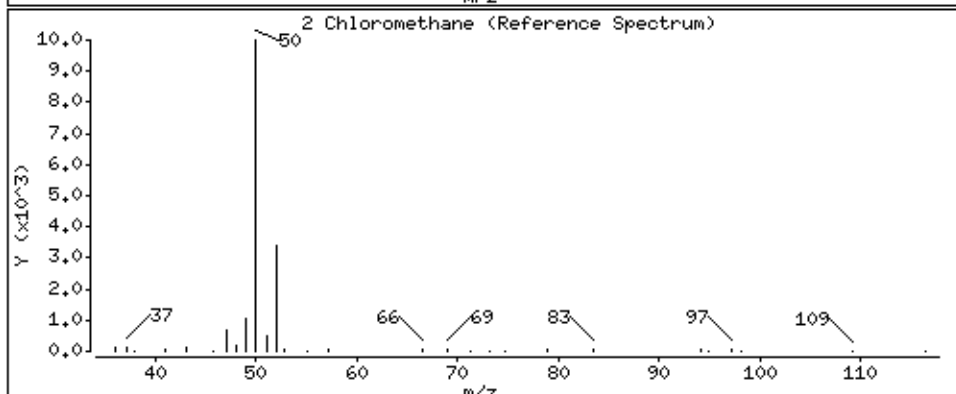
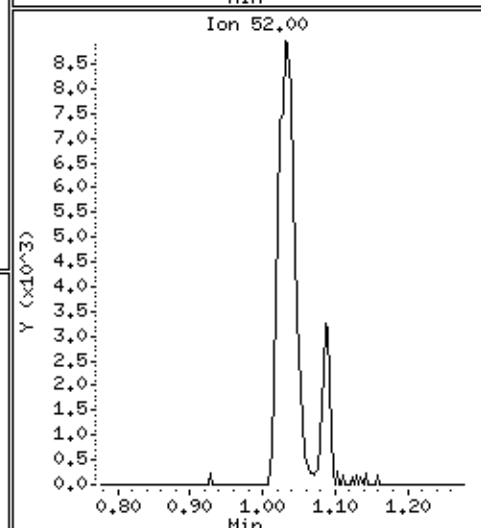
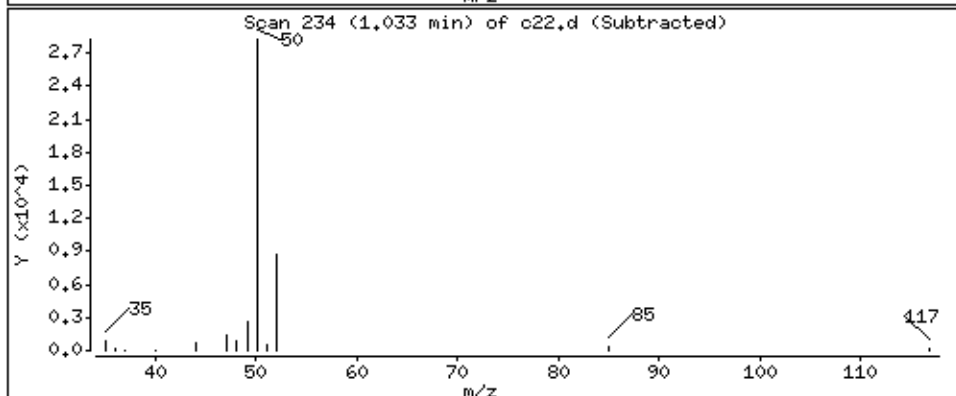
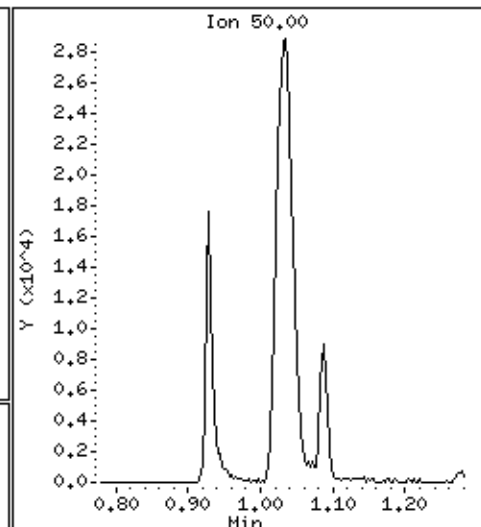
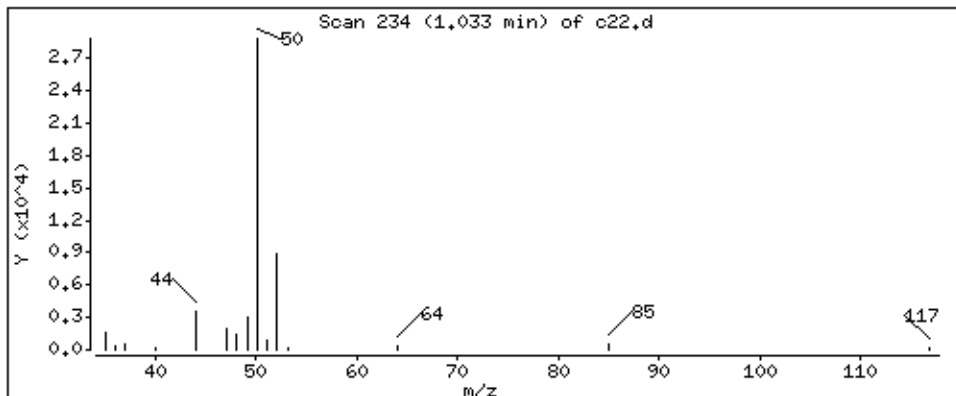
Operator: amv

Column phase: DB-624

Column diameter: 0,18

2 Chloromethane

Concentration: 33,1 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

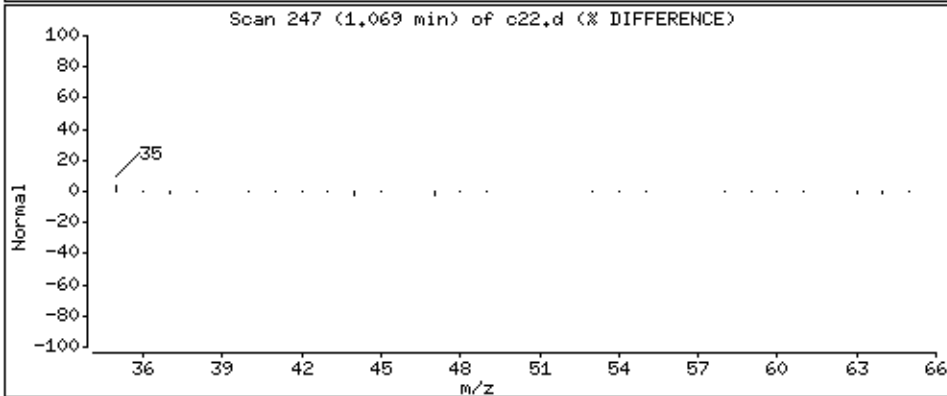
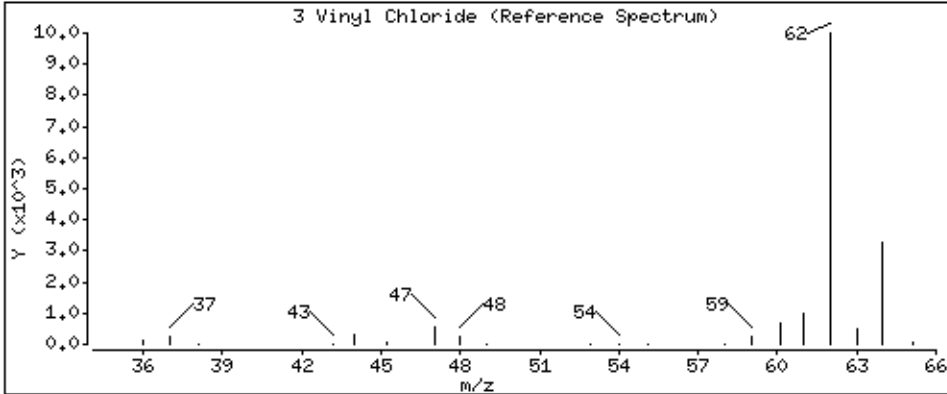
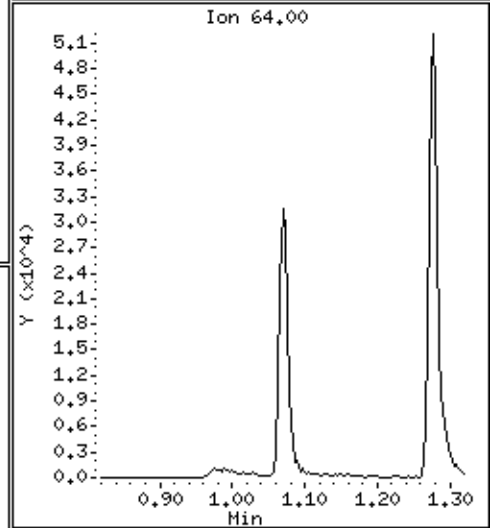
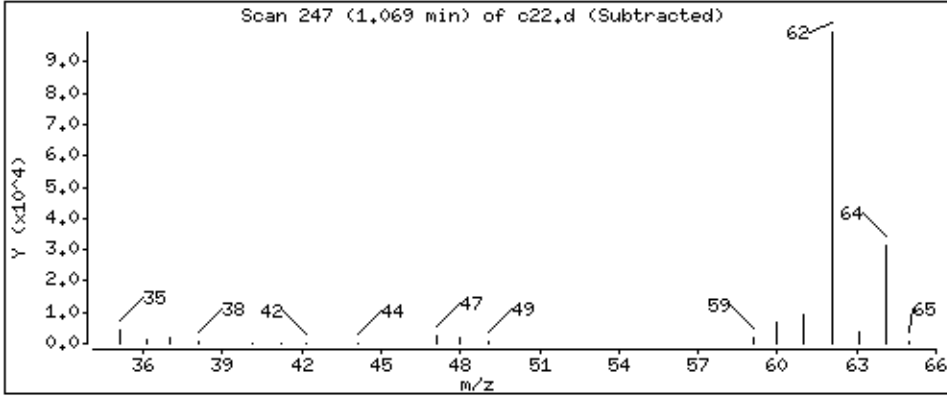
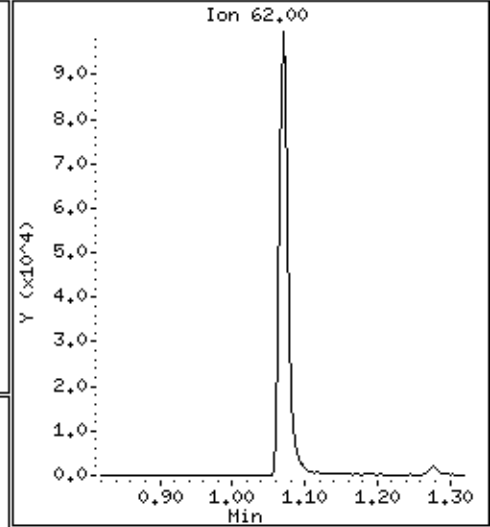
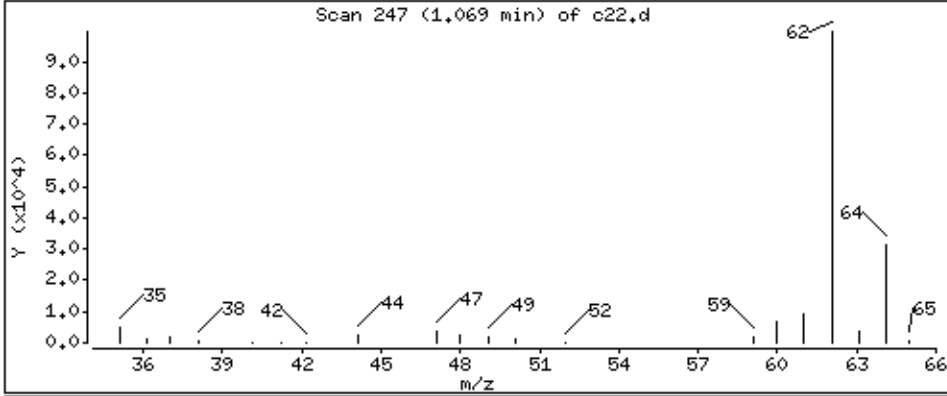
Operator: amv

Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 45,2 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

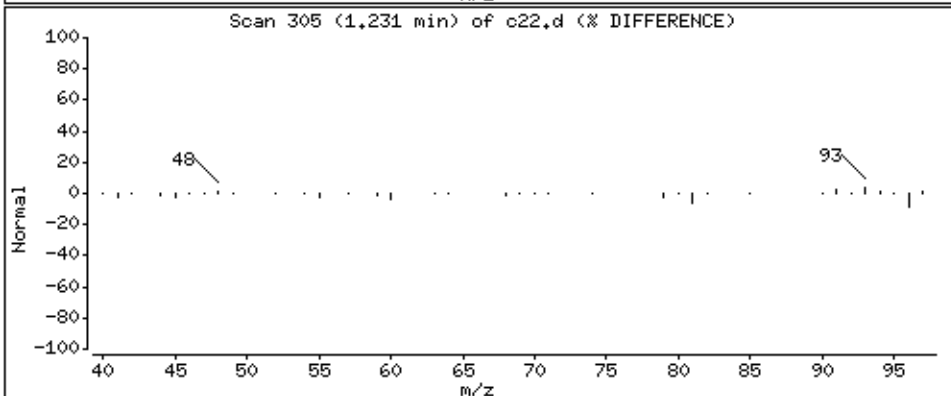
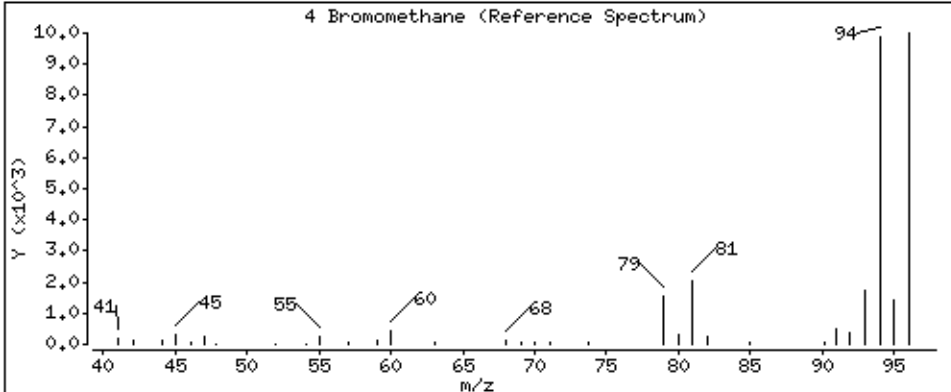
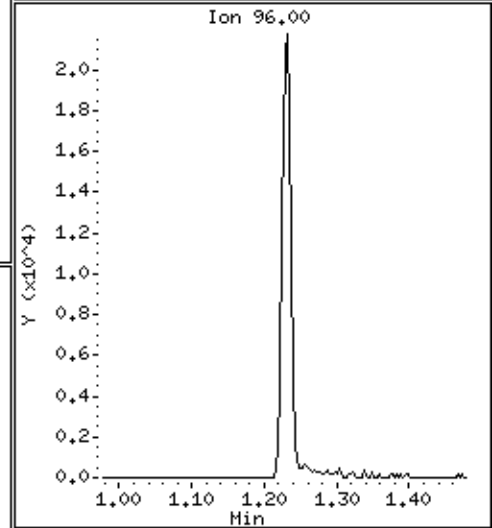
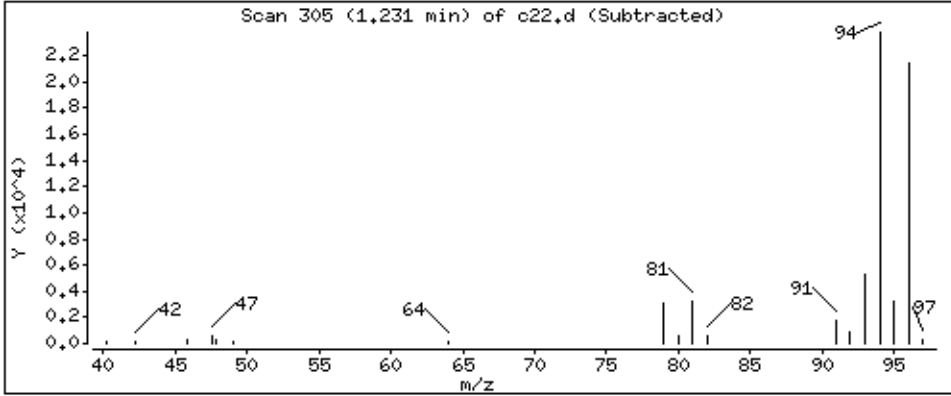
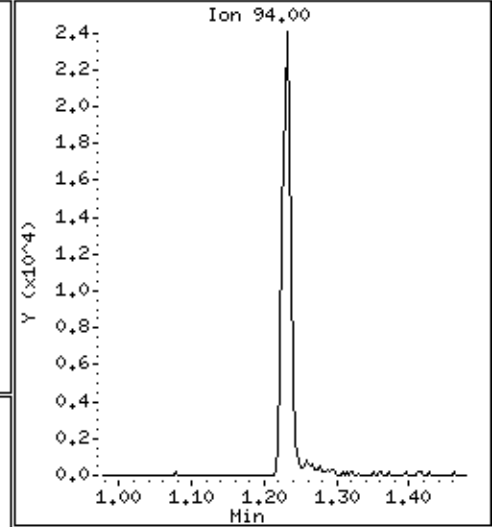
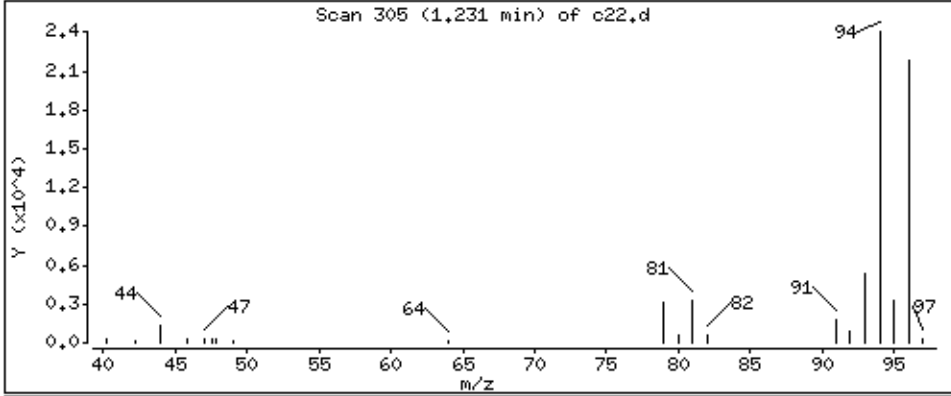
Operator: amv

Column phase: DB-624

Column diameter: 0,18

4 Bromomethane

Concentration: 34,2 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

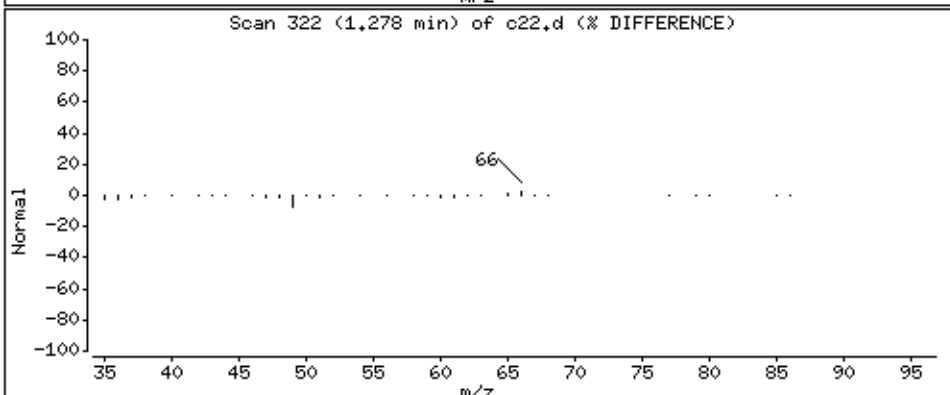
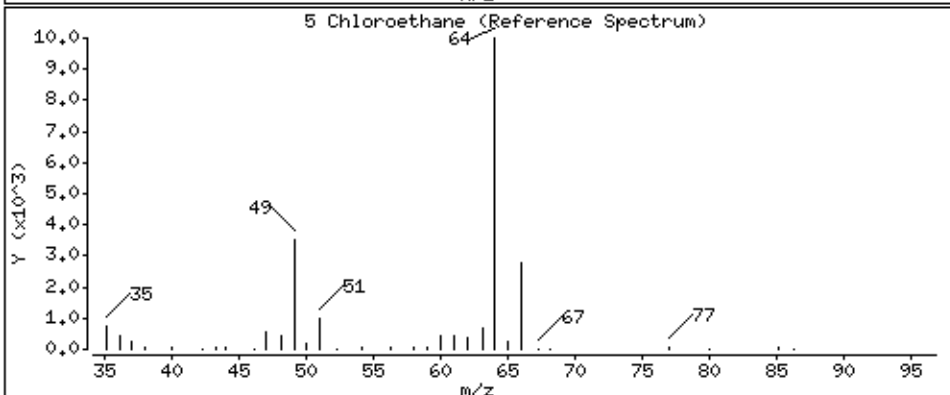
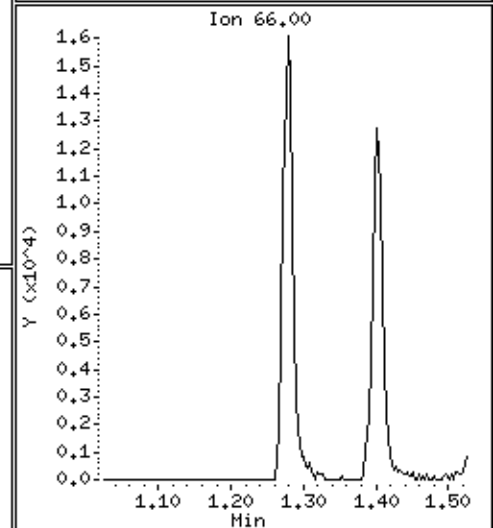
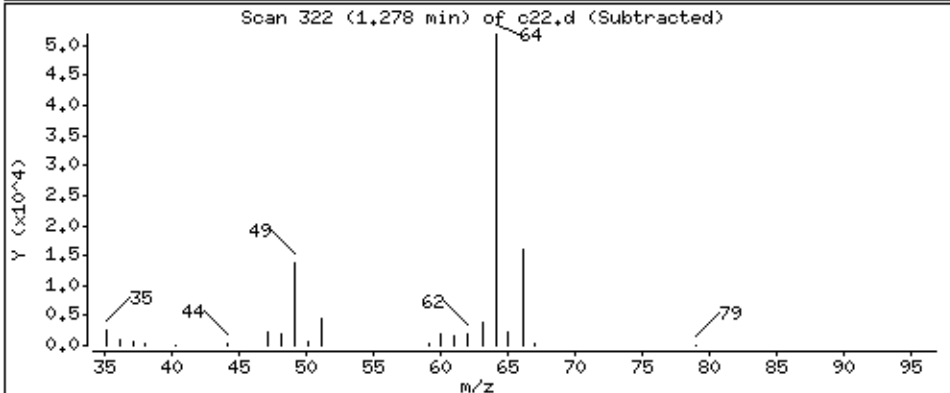
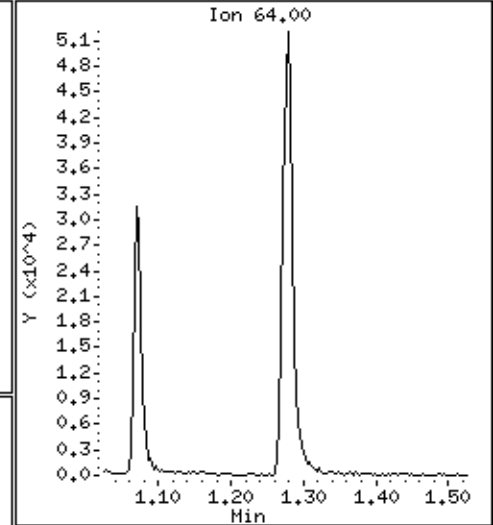
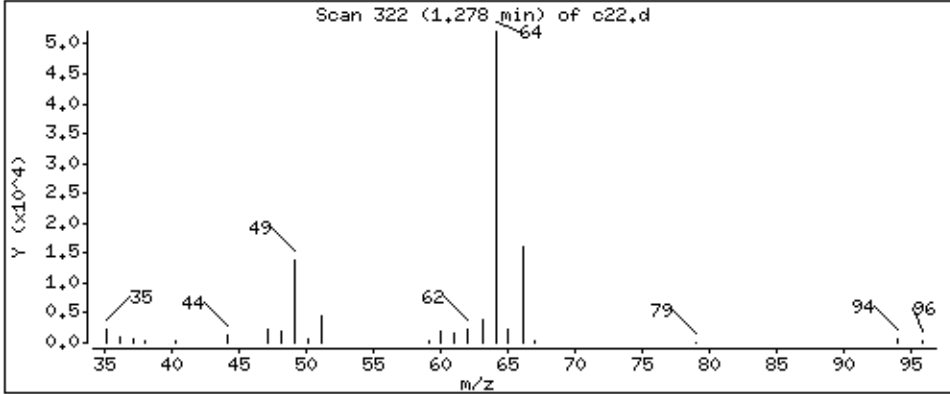
Operator: amv

Column phase: DB-624

Column diameter: 0,18

5 Chloroethane

Concentration: 54,4 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

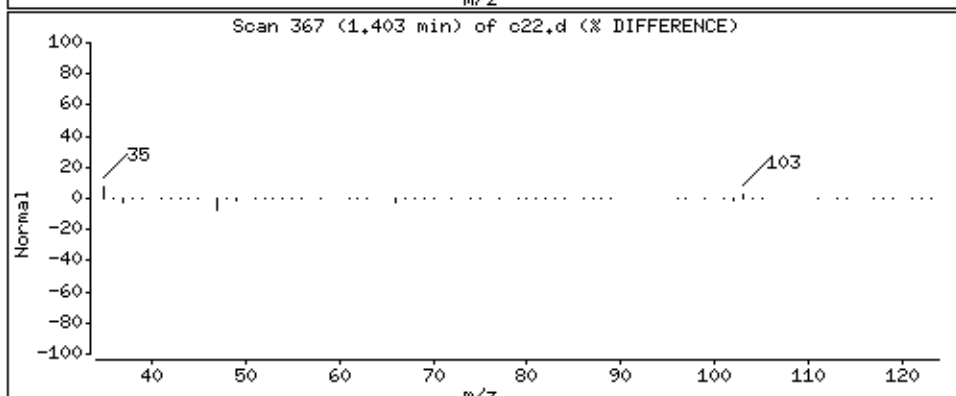
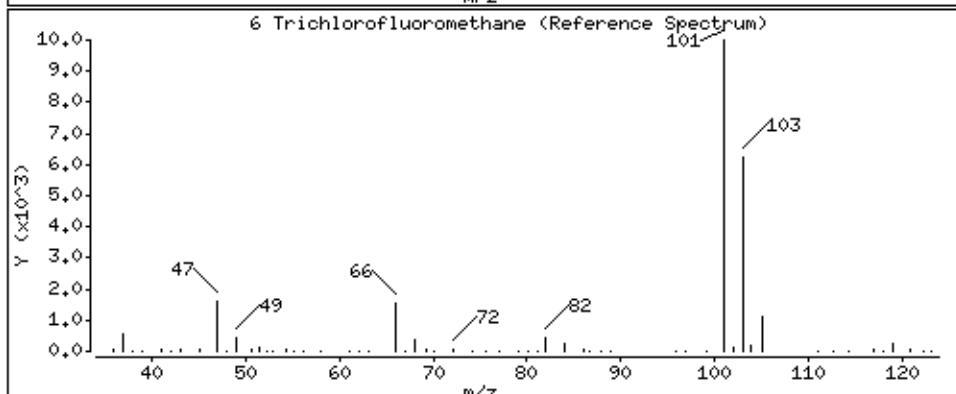
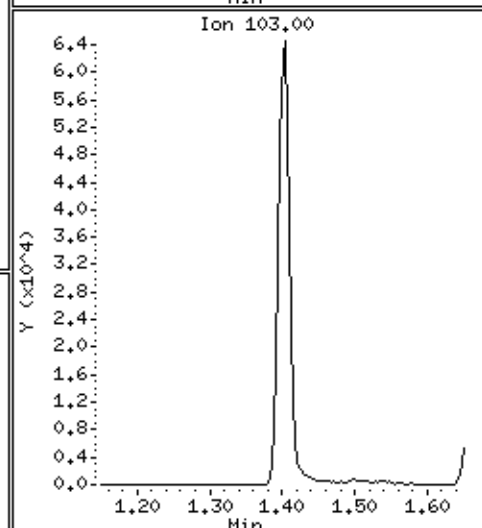
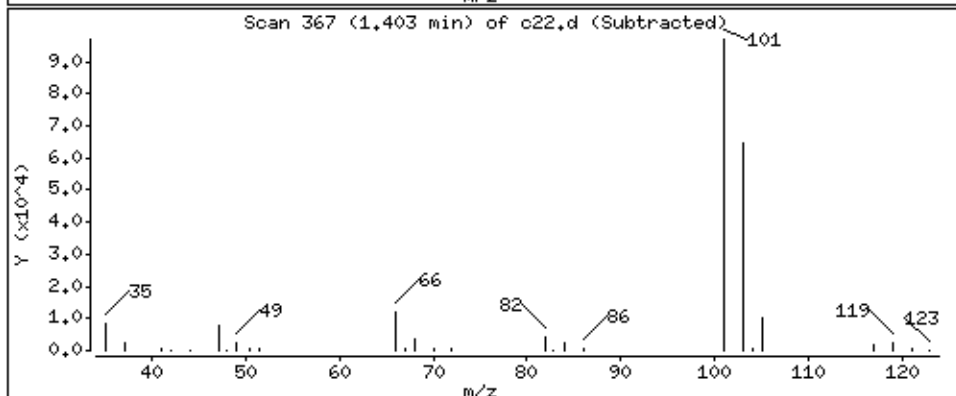
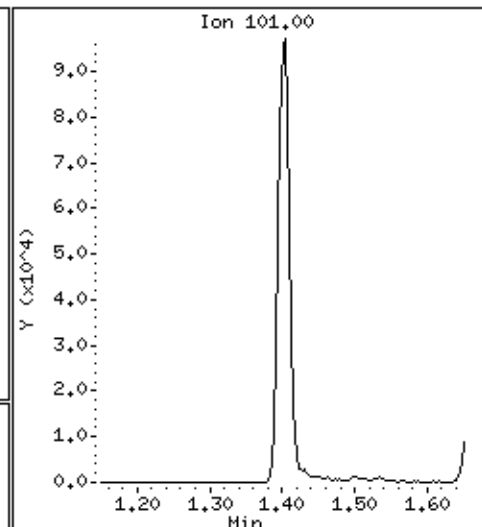
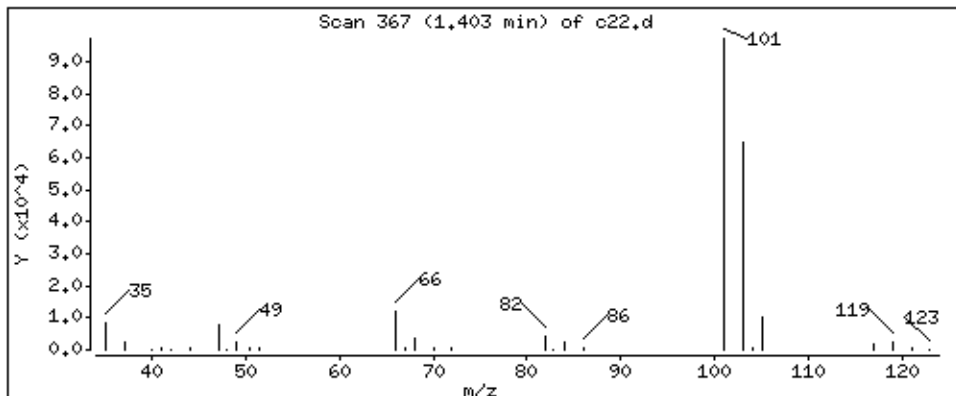
Operator: amv

Column phase: DB-624

Column diameter: 0,18

6 Trichlorofluoromethane

Concentration: 50,3 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

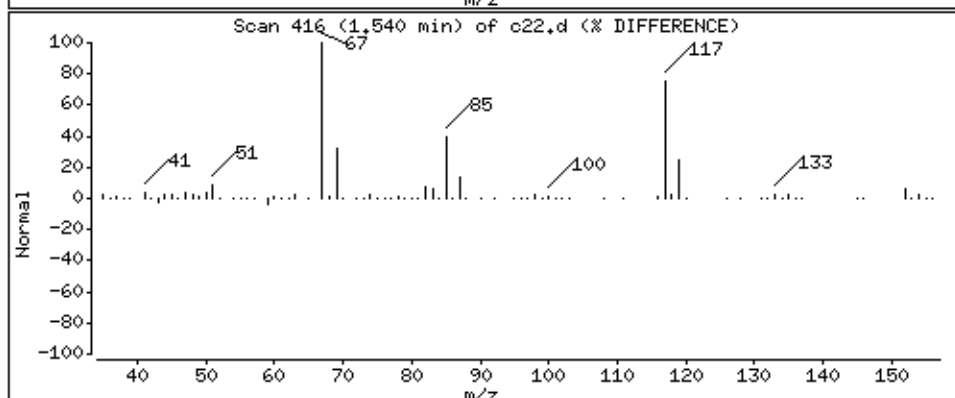
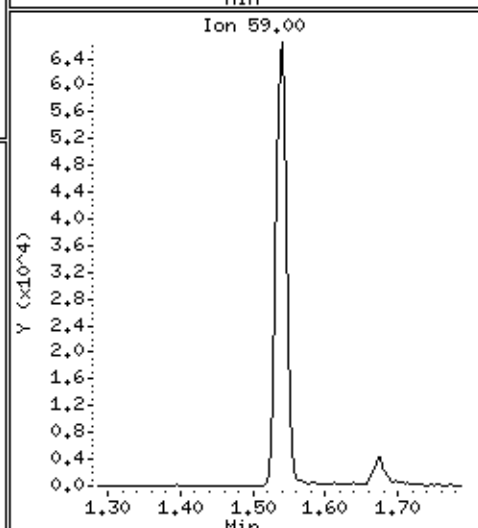
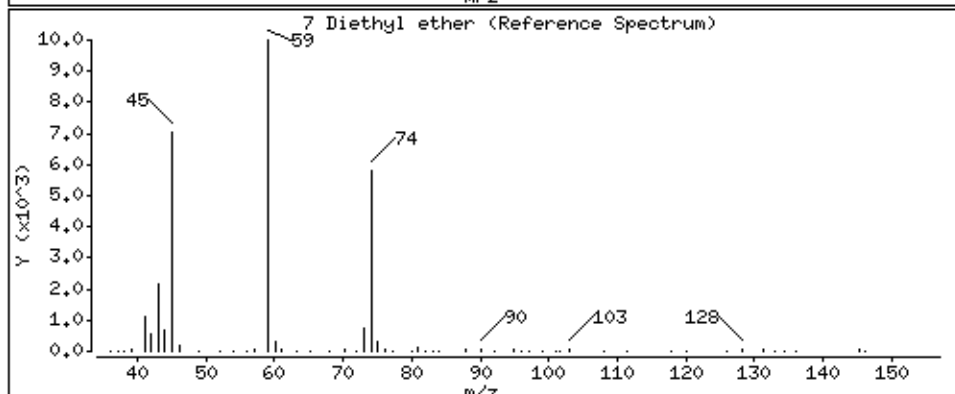
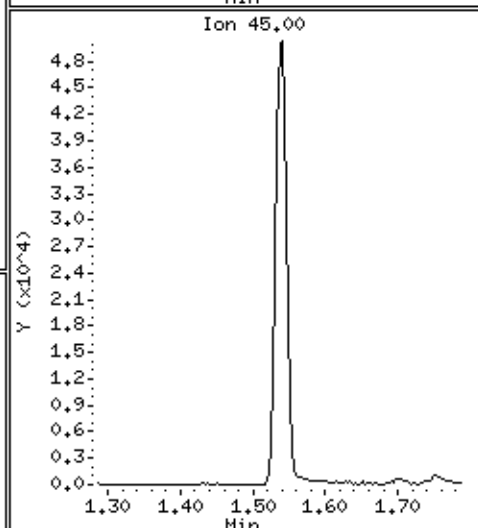
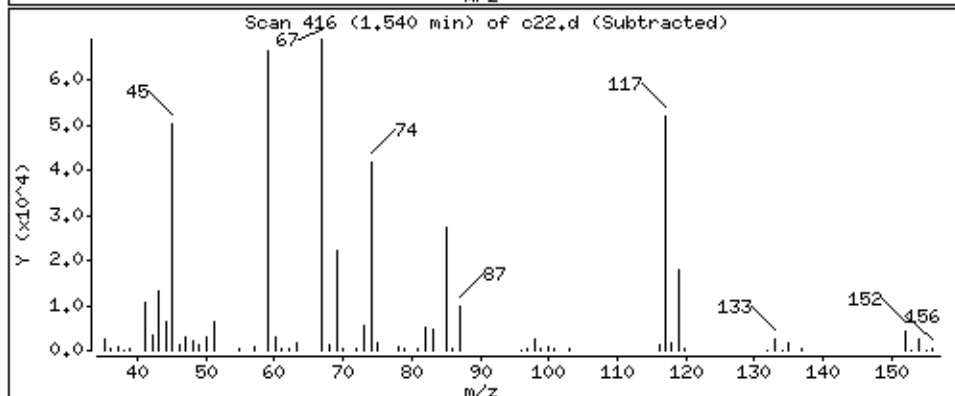
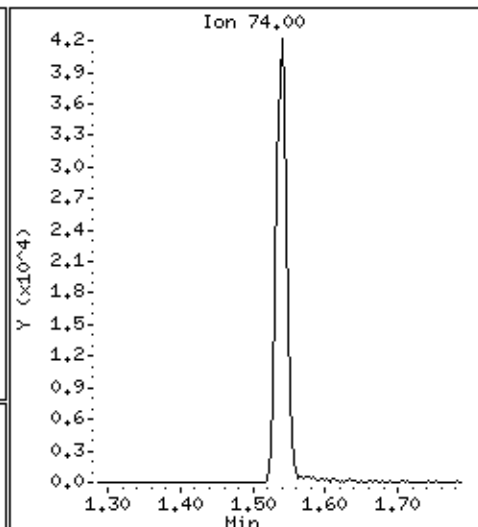
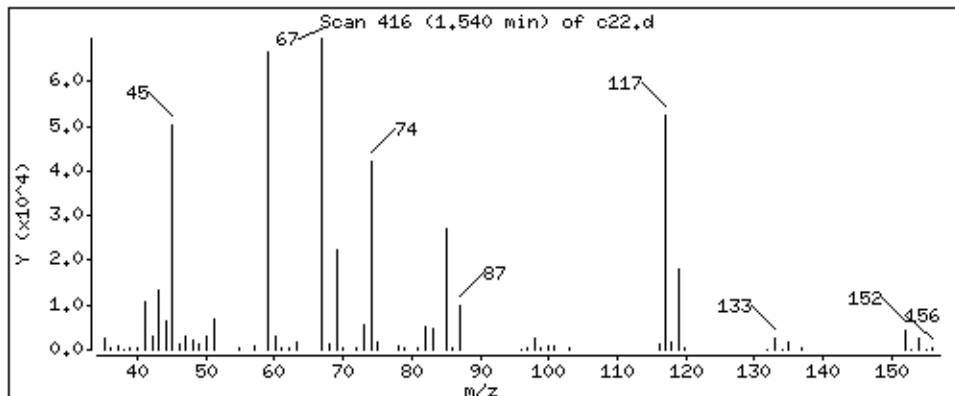
Operator: amv

Column phase: DB-624

Column diameter: 0,18

7 Diethyl ether

Concentration: 48,0 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

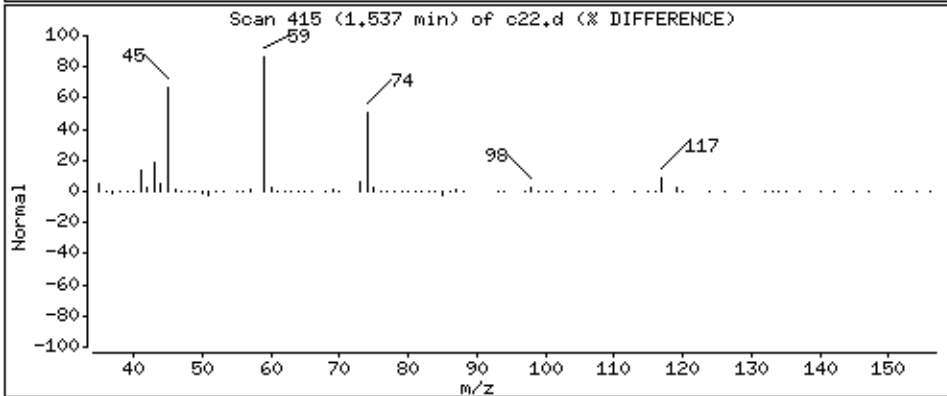
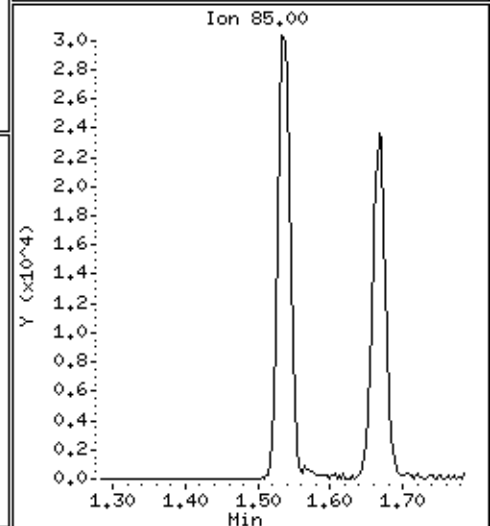
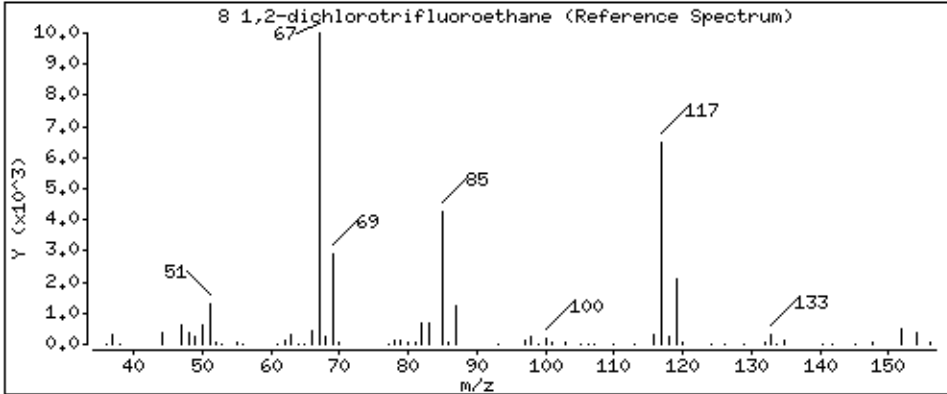
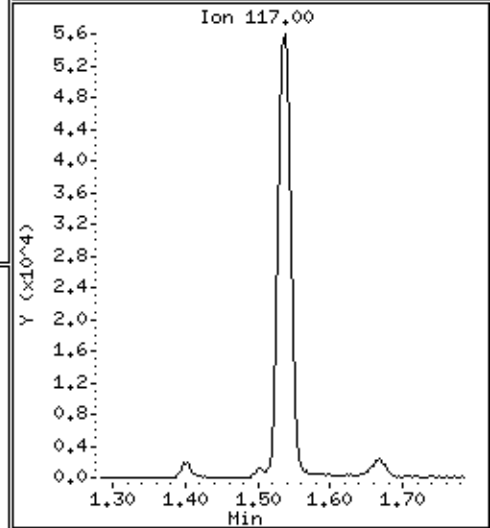
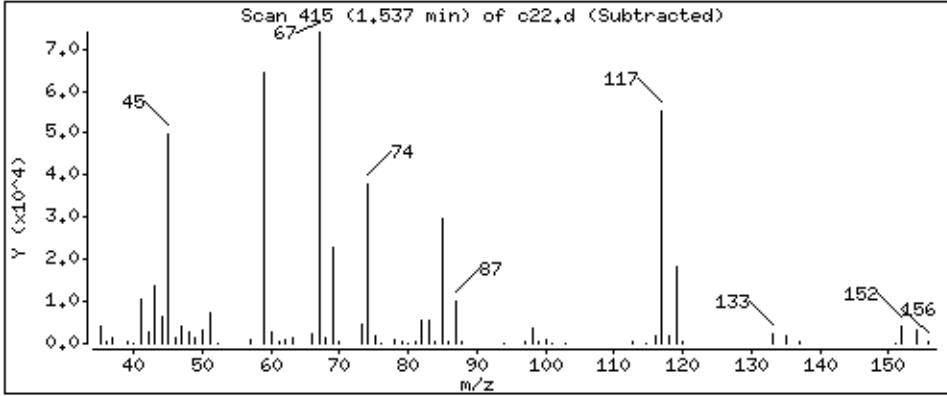
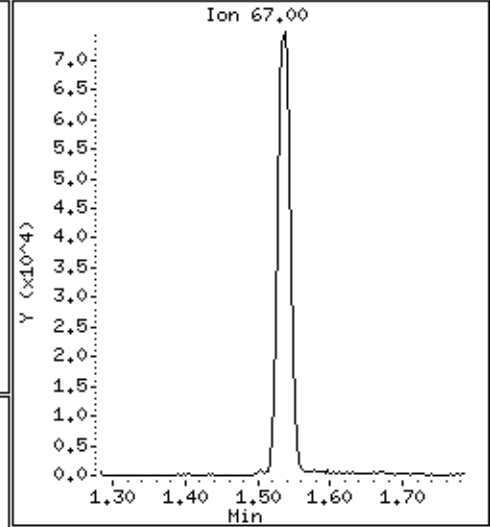
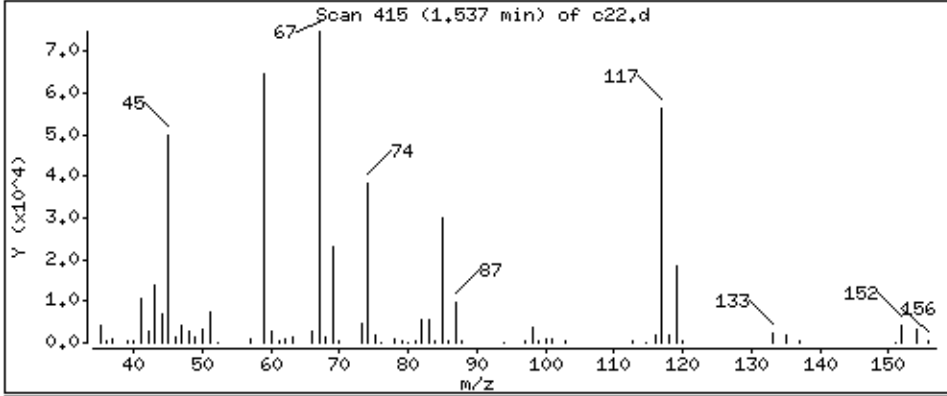
Operator: amv

Column phase: DB-624

Column diameter: 0,18

8 1,2-dichlorotrifluoroethane

Concentration: 59,0 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

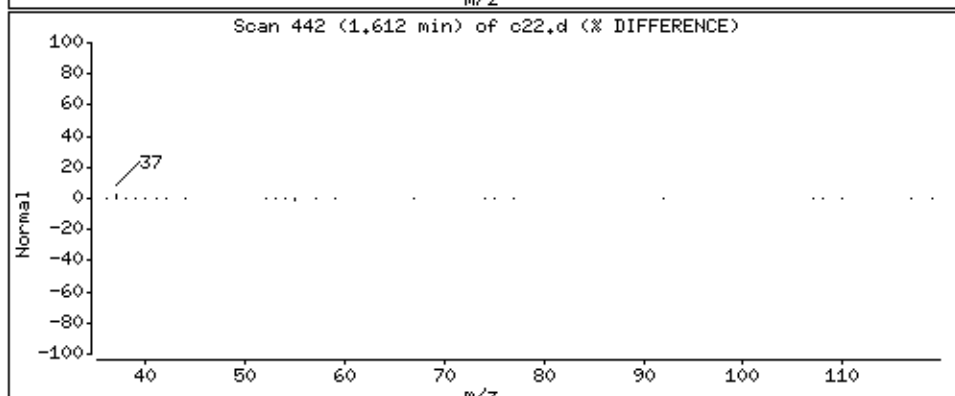
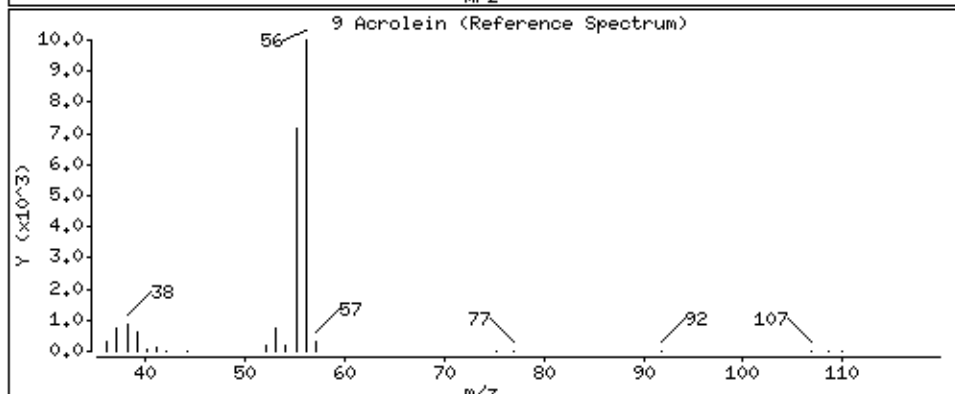
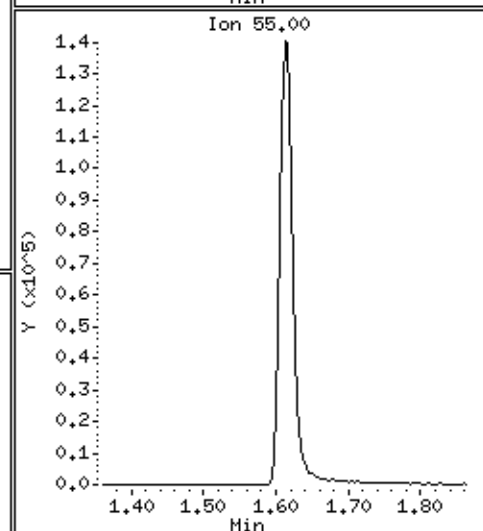
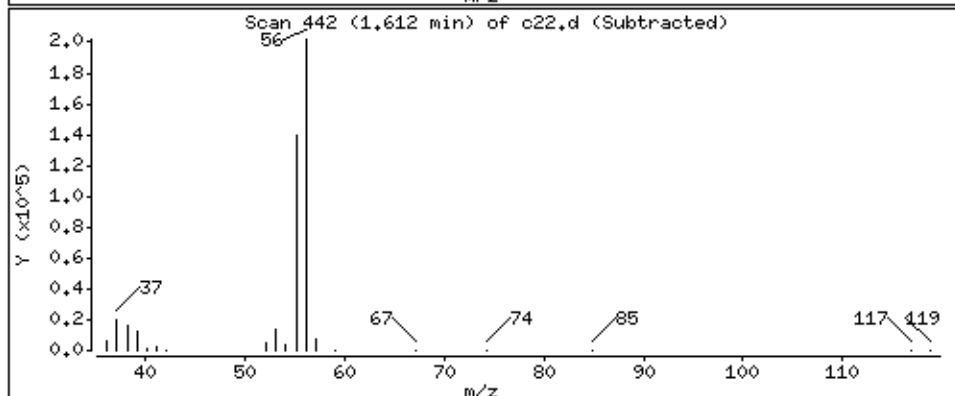
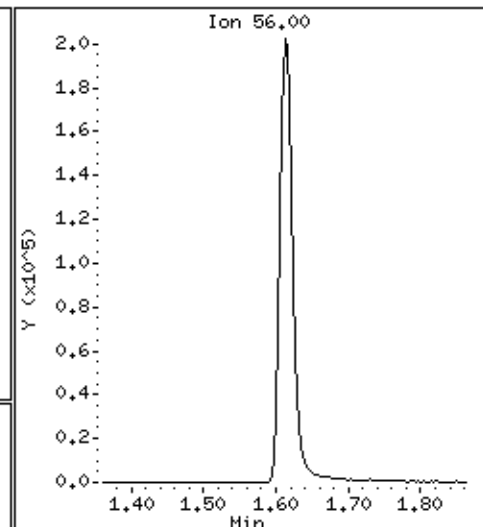
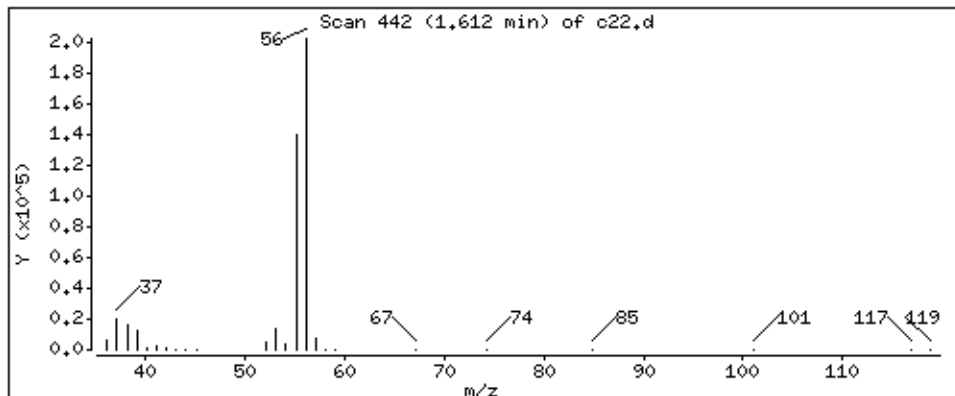
Operator: amv

Column phase: DB-624

Column diameter: 0,18

9 Acrolein

Concentration: 746 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

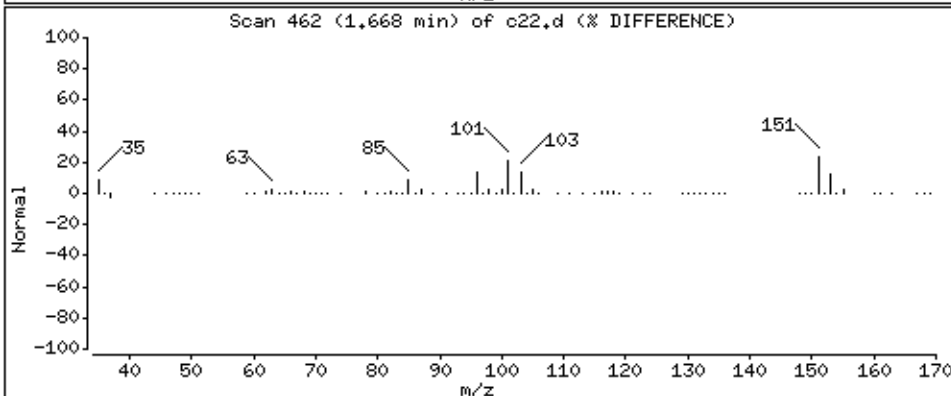
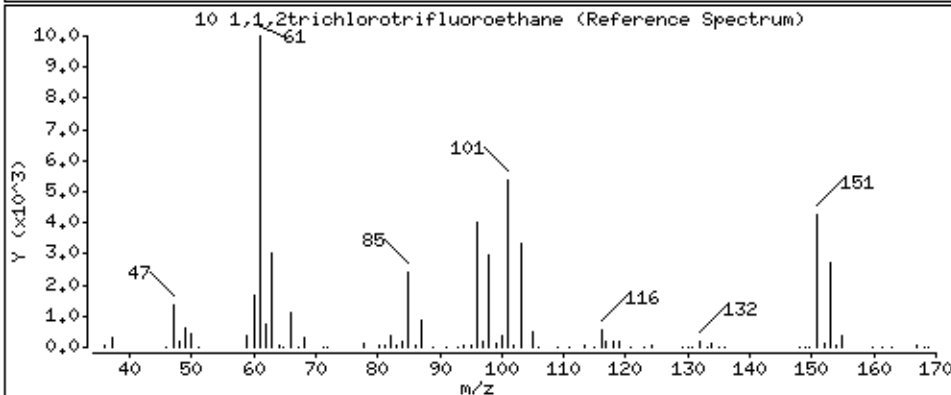
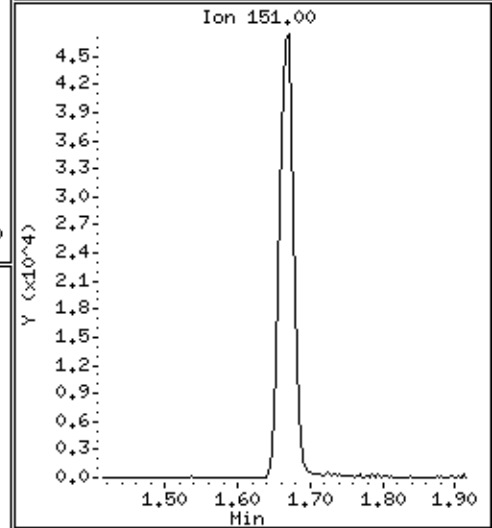
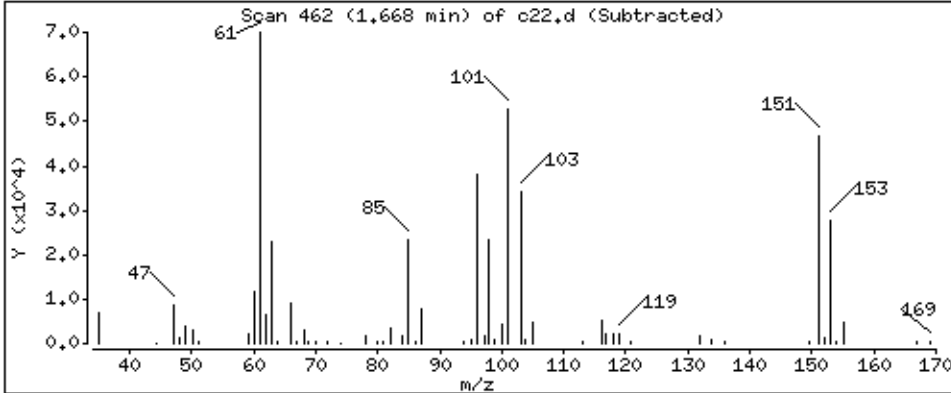
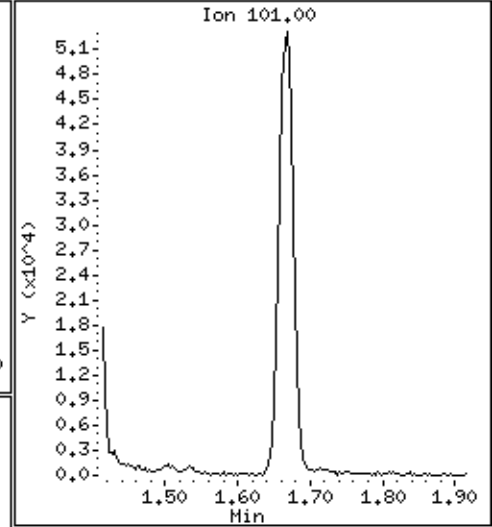
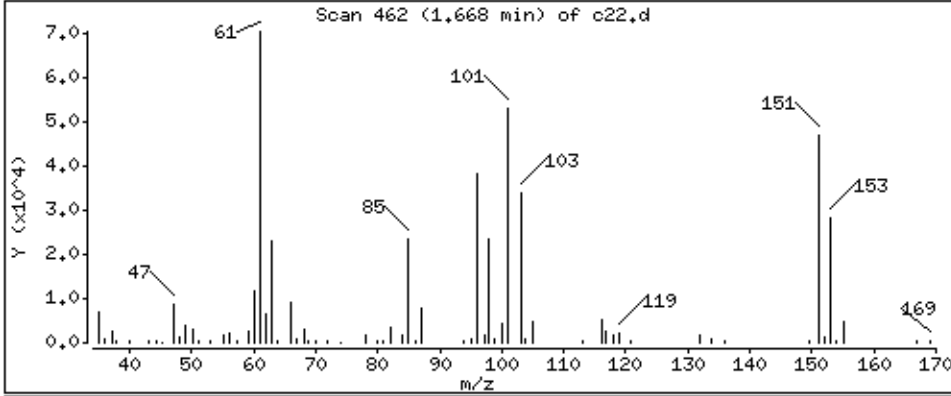
Operator: amv

Column phase: DB-624

Column diameter: 0,18

10 1,1,2trichlorotrifluoroethane

Concentration: 54,3 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

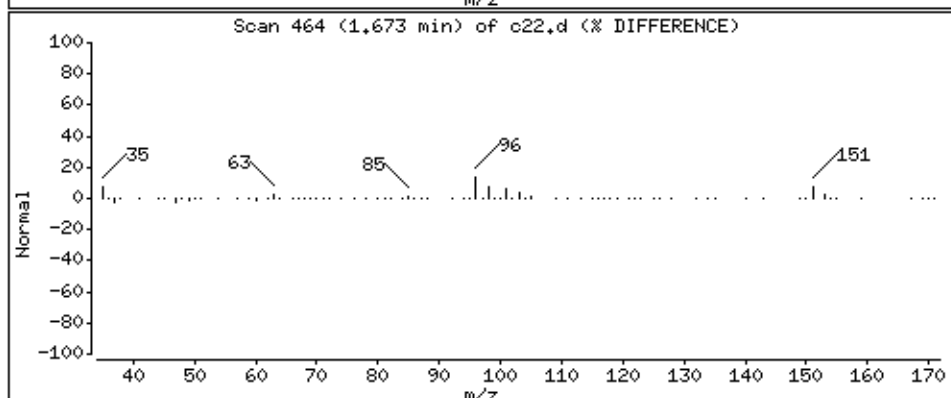
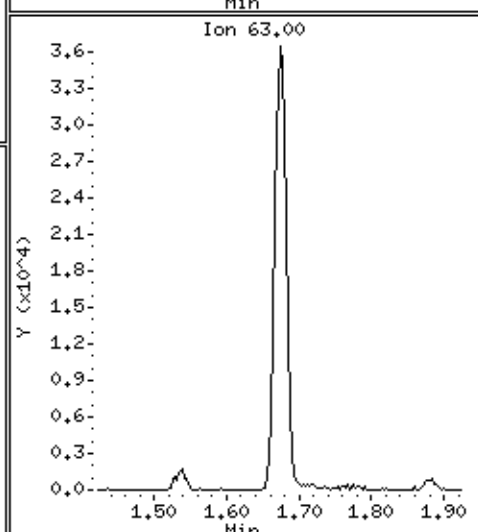
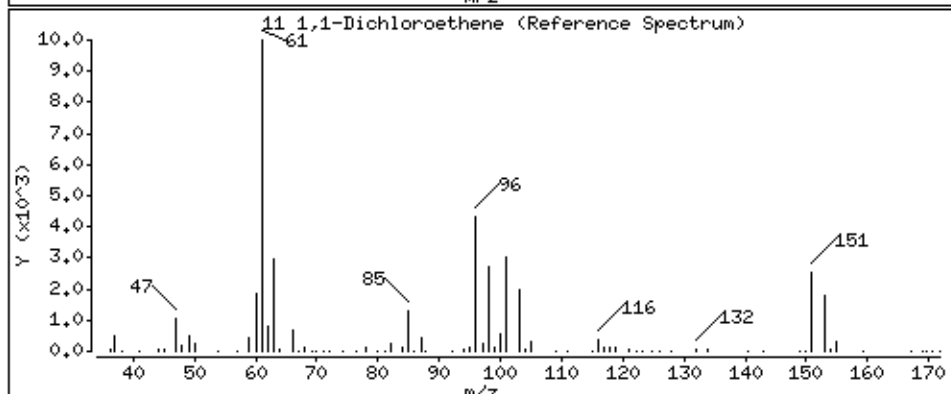
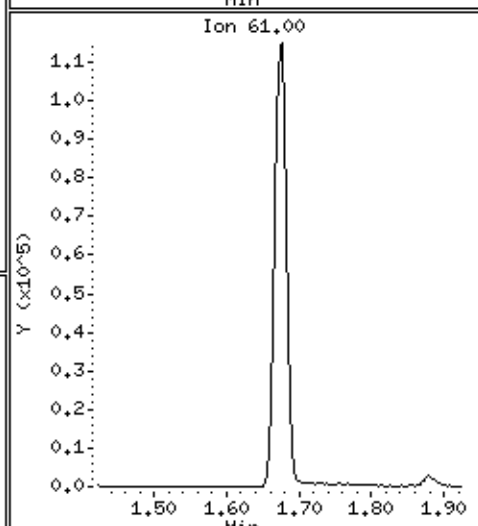
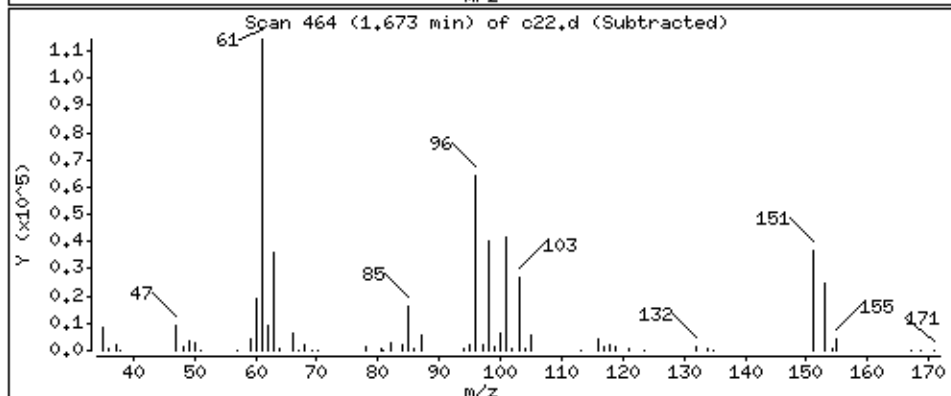
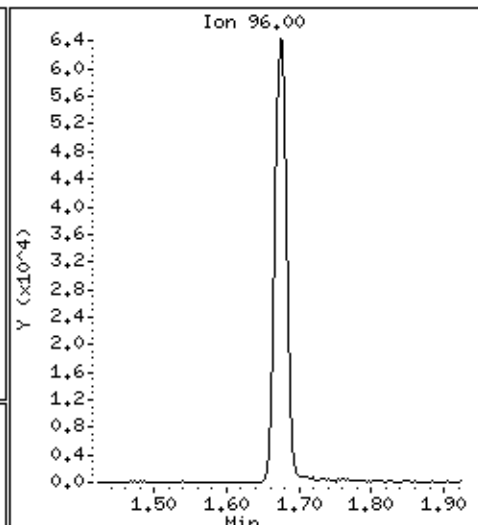
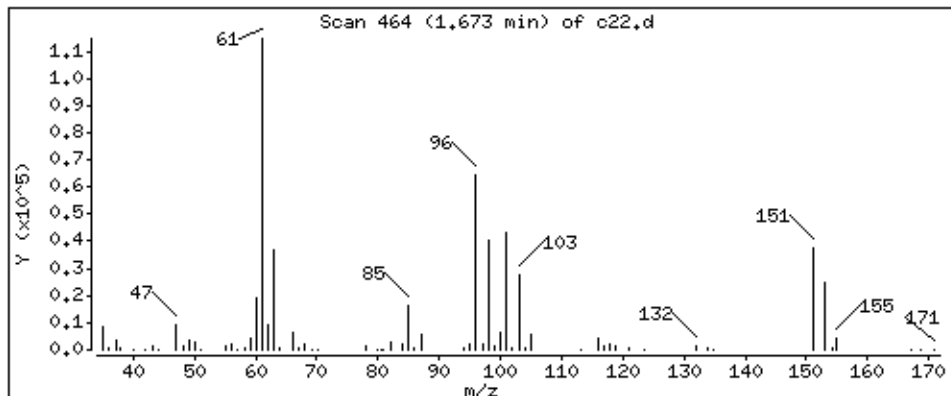
Operator: amv

Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 51.8 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

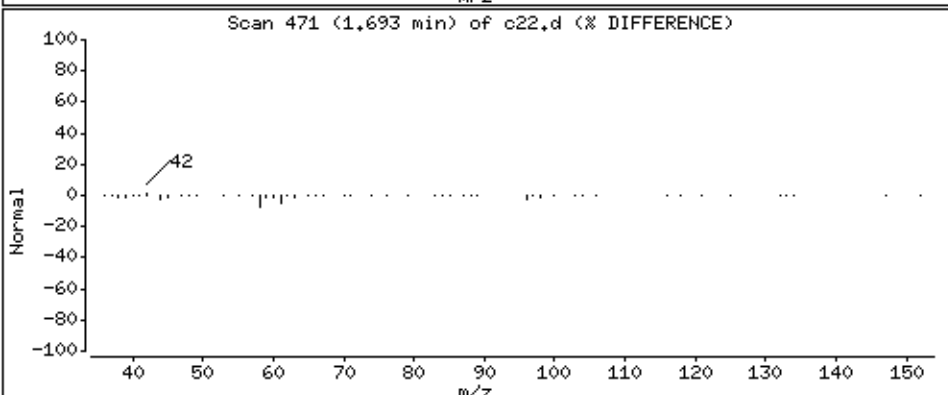
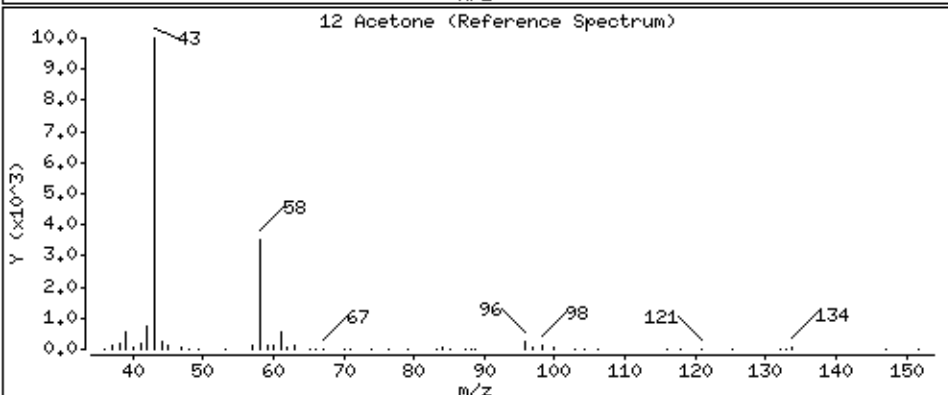
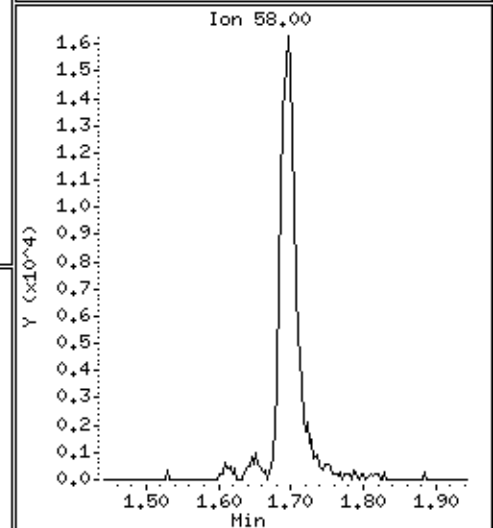
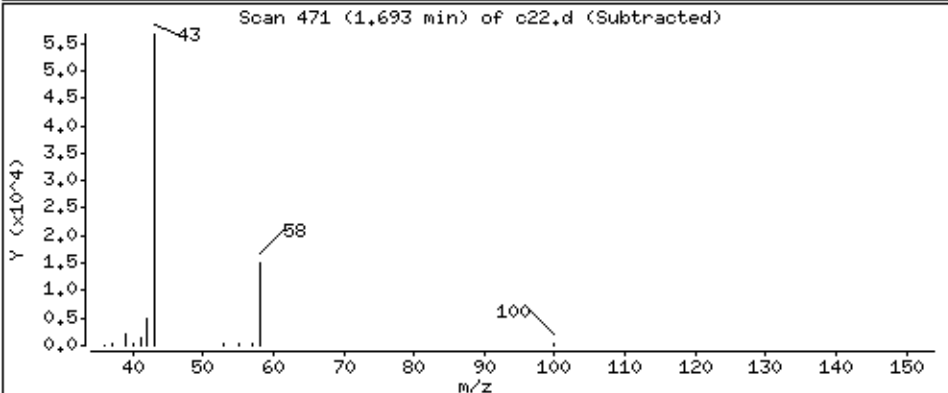
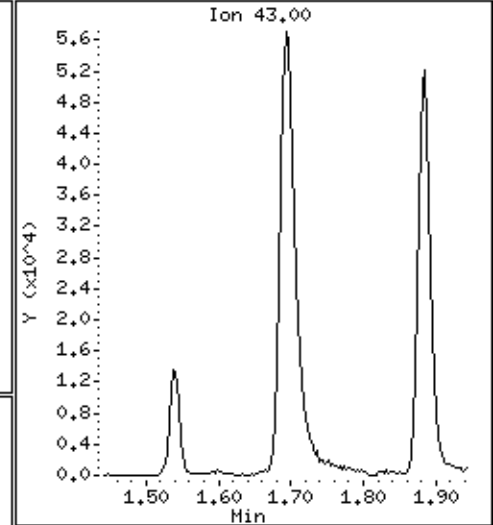
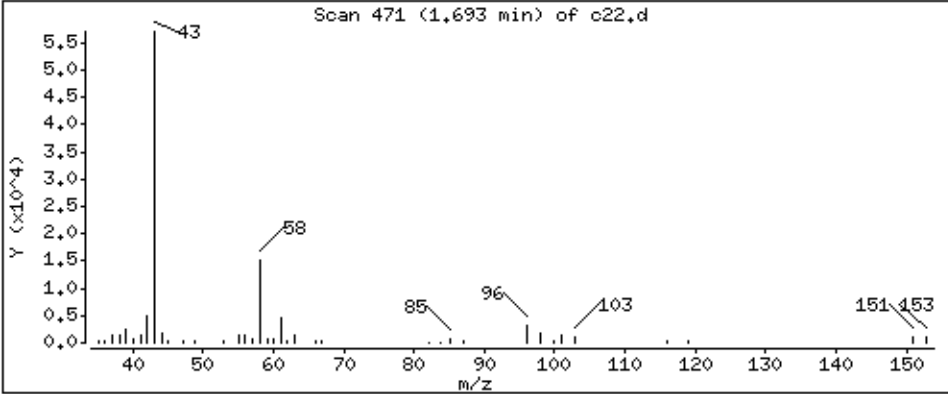
Operator: amv

Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 232 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

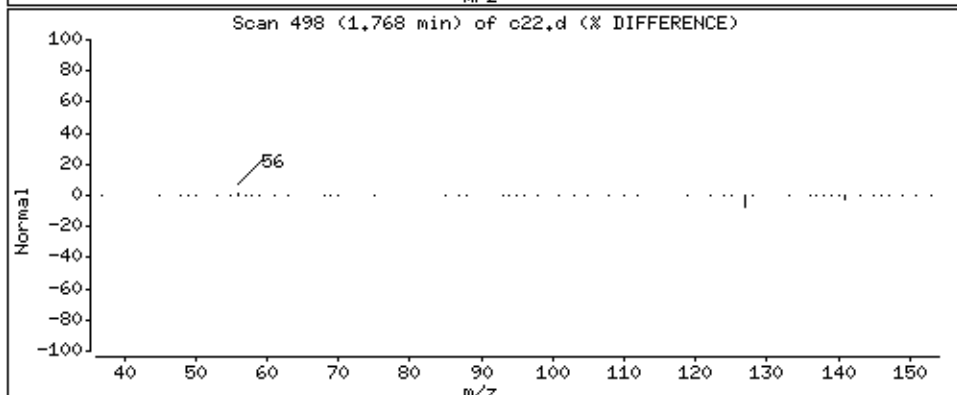
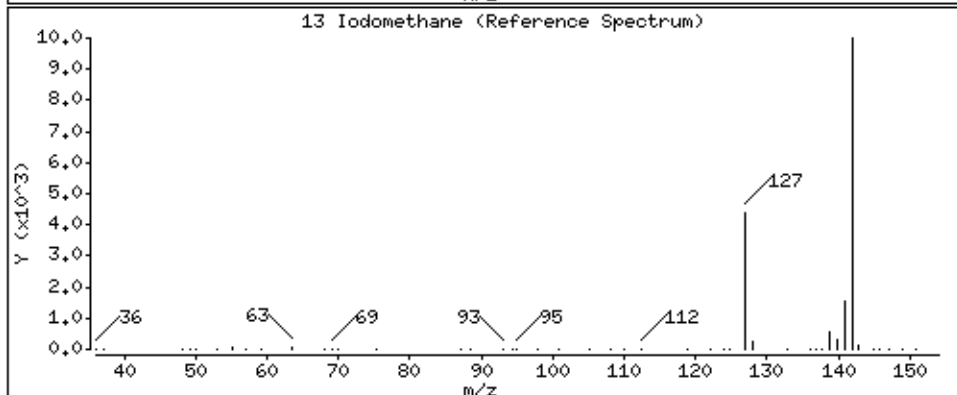
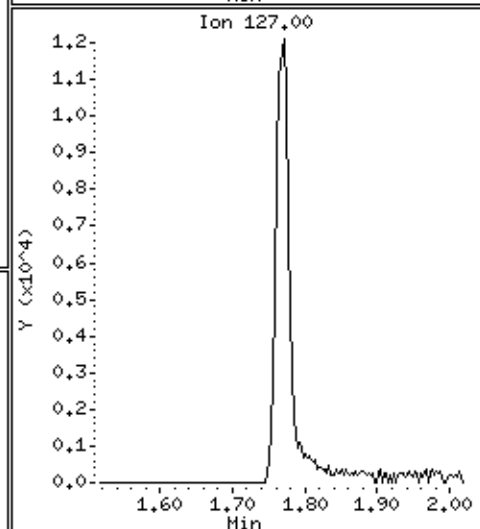
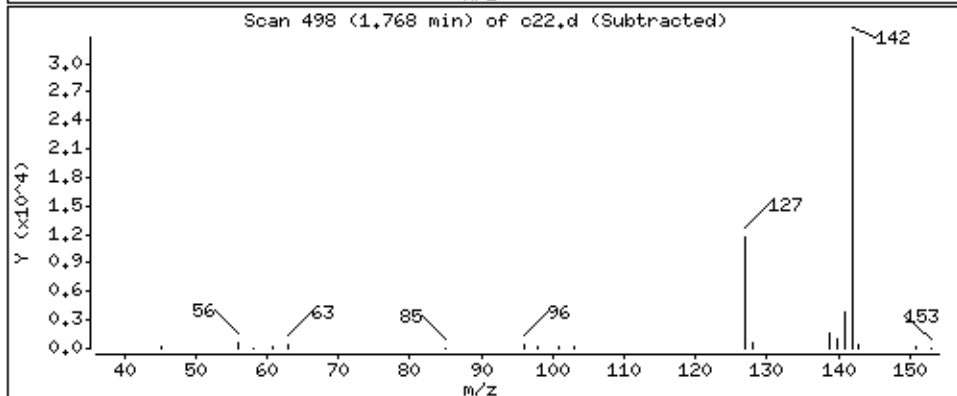
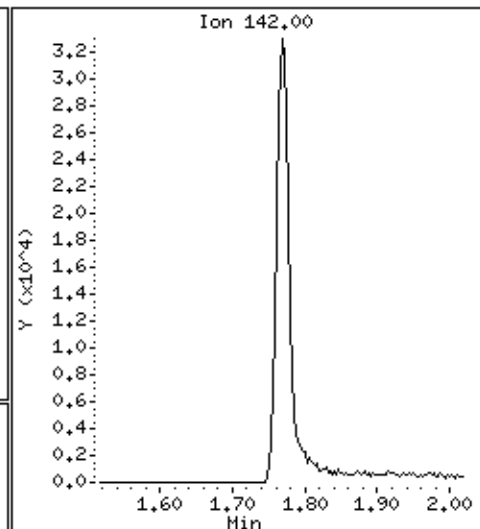
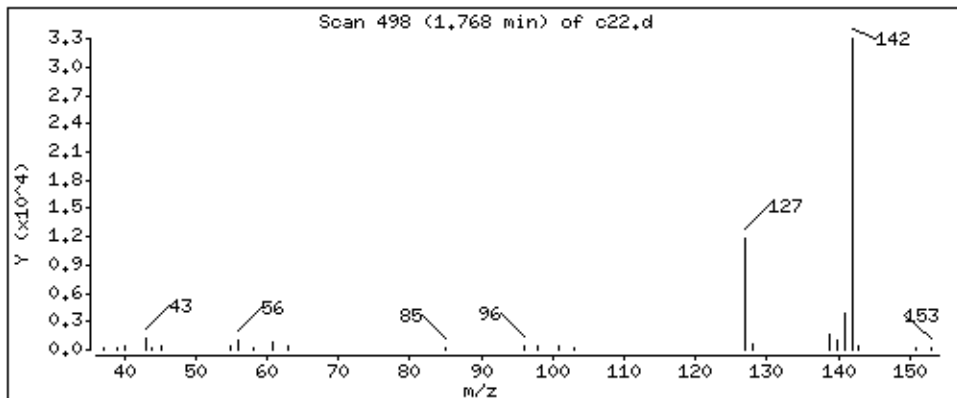
Operator: amv

Column phase: DB-624

Column diameter: 0.18

13 Iodomethane

Concentration: 28.0 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

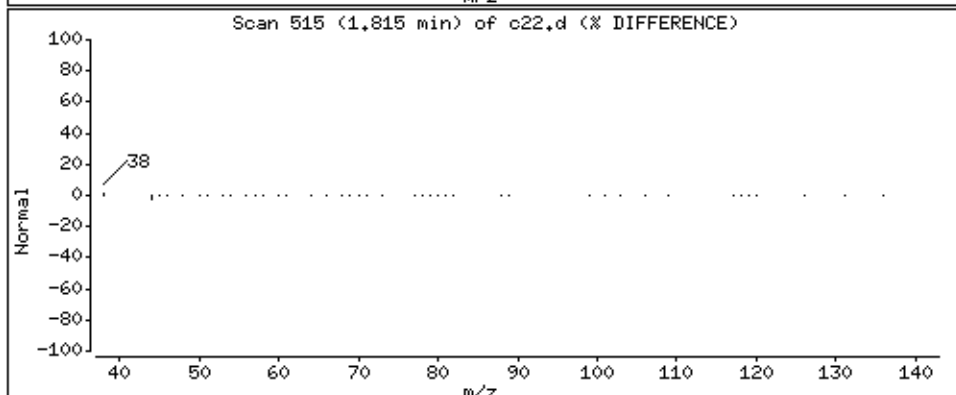
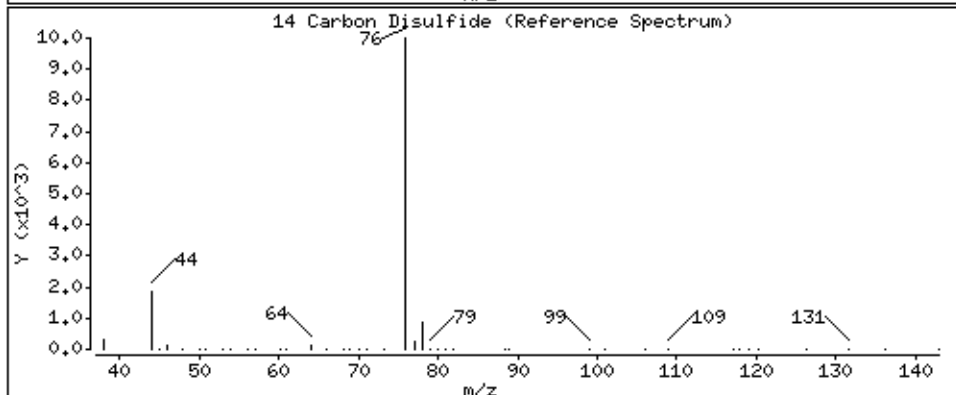
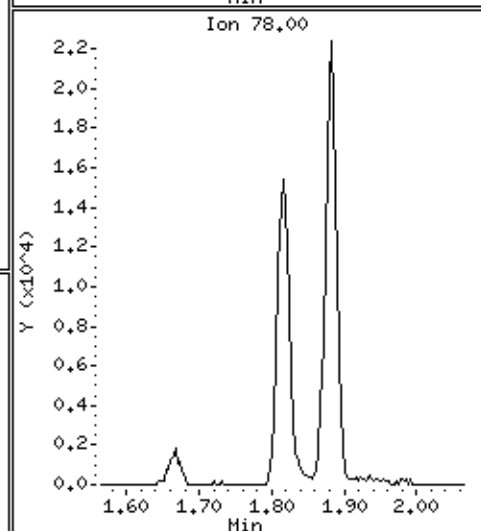
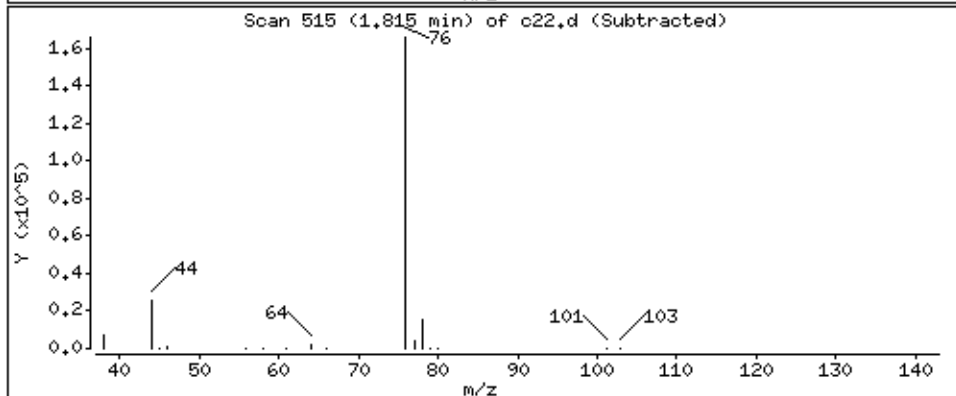
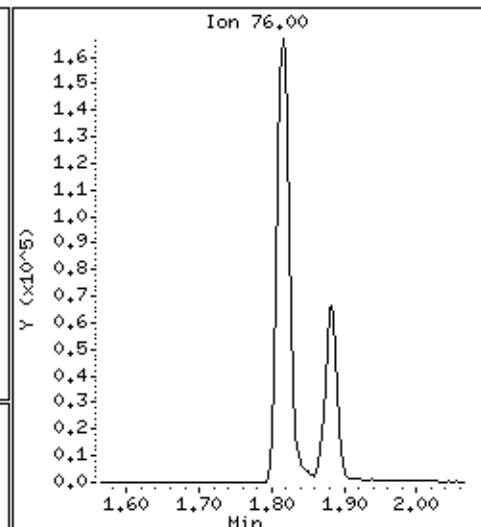
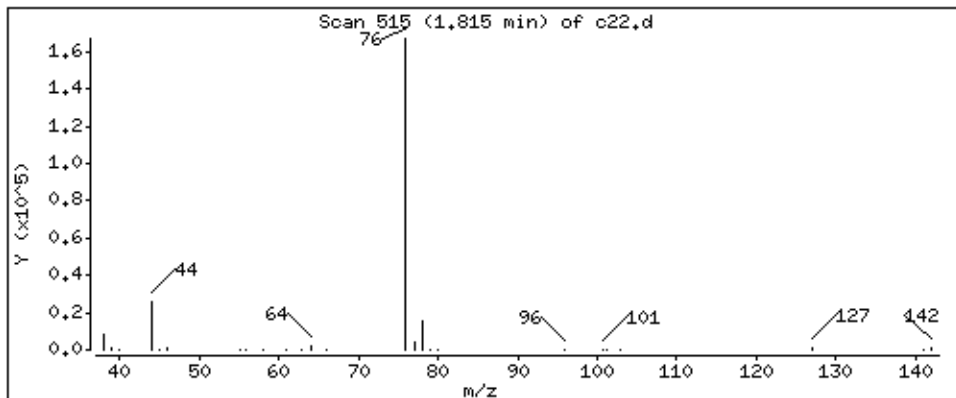
Operator: amv

Column phase: DB-624

Column diameter: 0,18

14 Carbon Disulfide

Concentration: 49.2 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

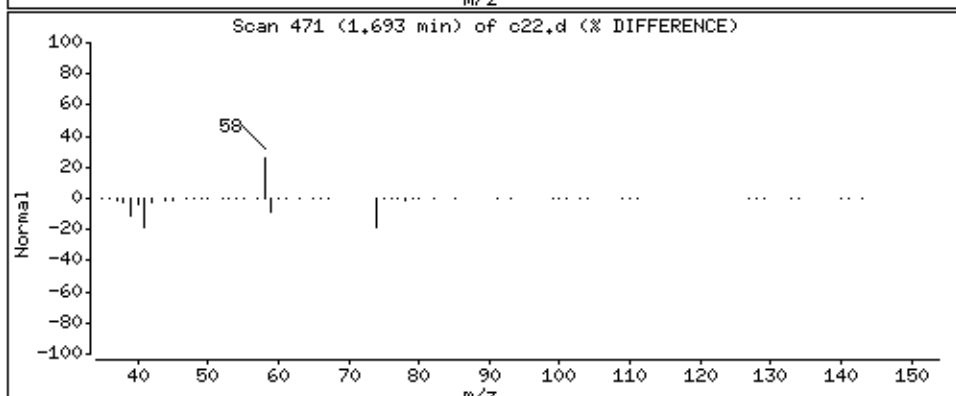
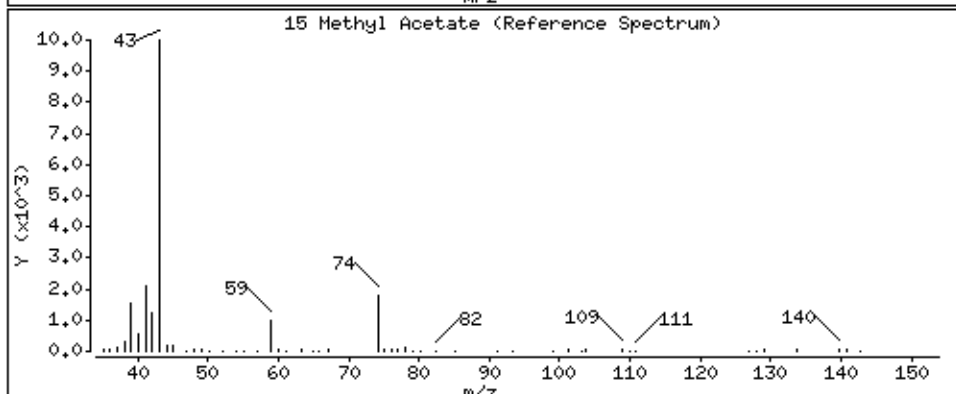
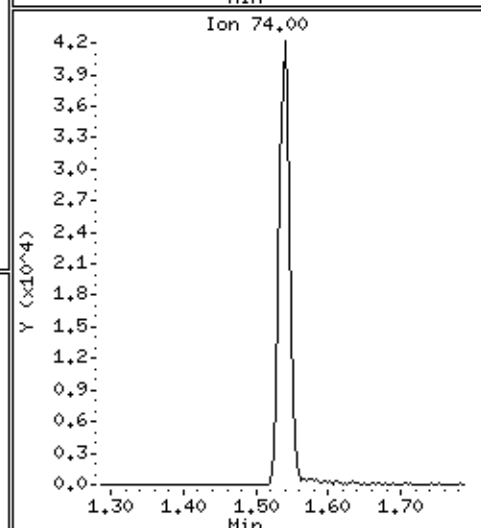
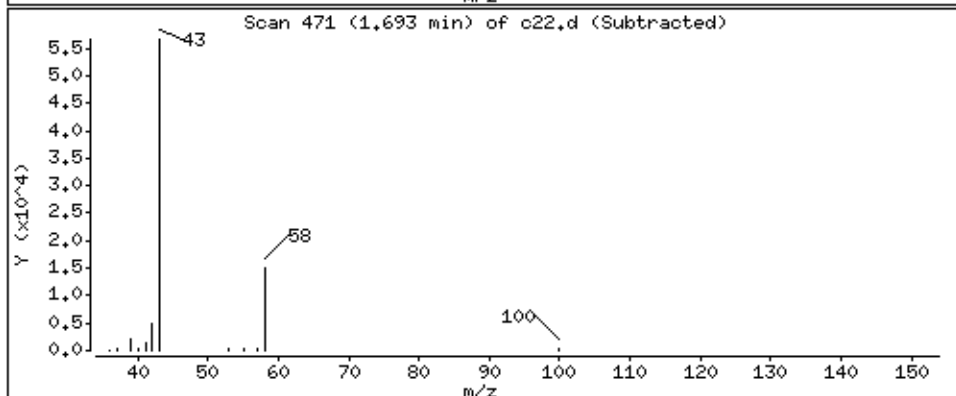
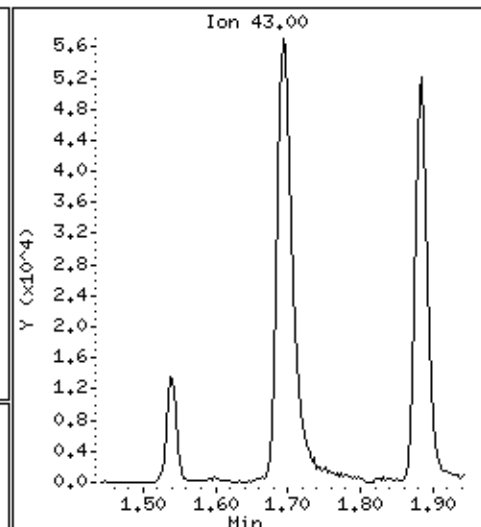
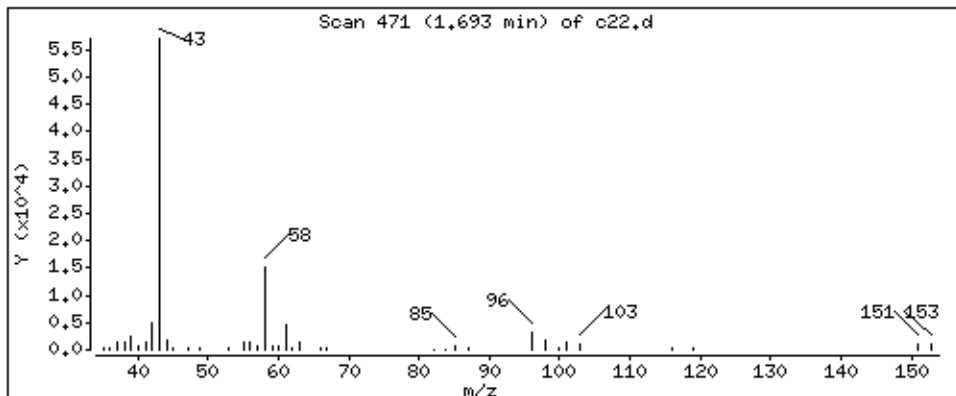
Operator: amv

Column phase: DB-624

Column diameter: 0,18

15 Methyl Acetate

Concentration: 46,1 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

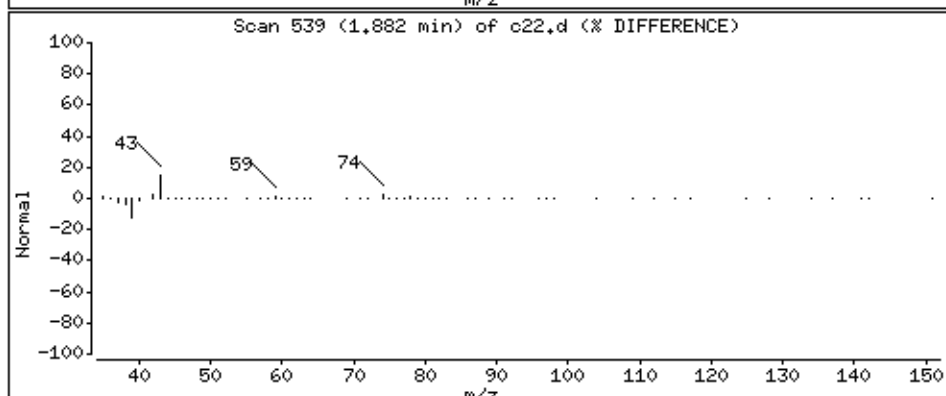
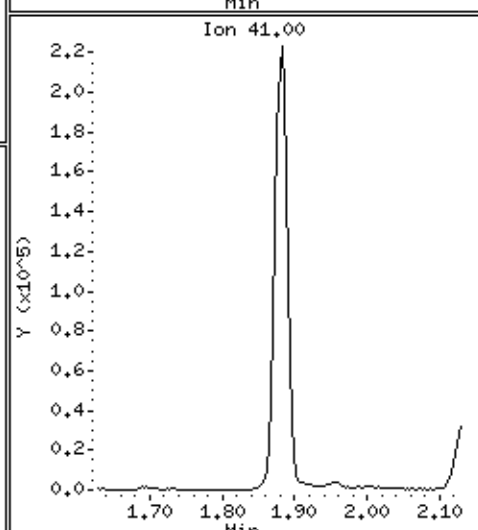
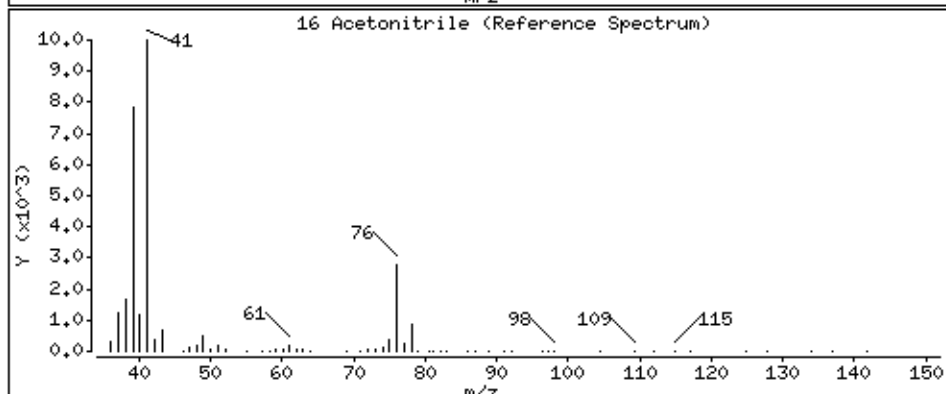
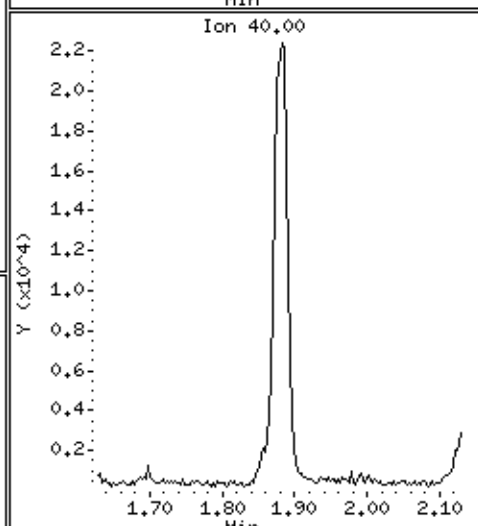
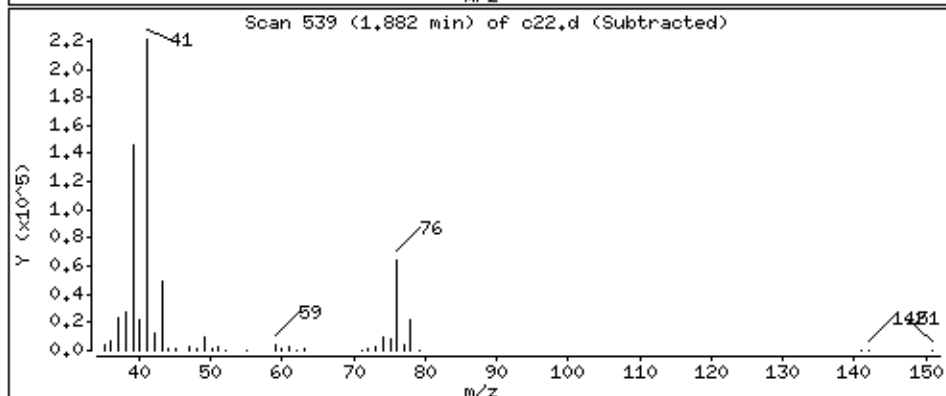
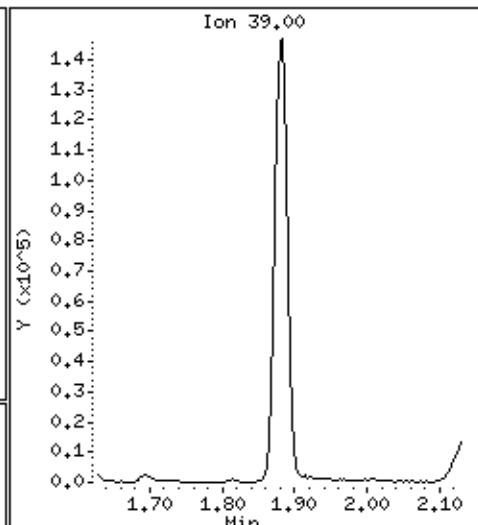
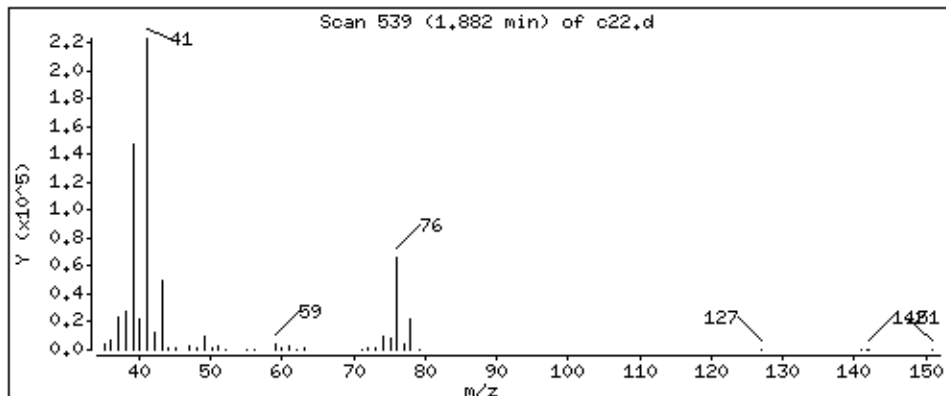
Operator: amv

Column phase: DB-624

Column diameter: 0,18

16 Acetonitrile

Concentration: 40,3 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

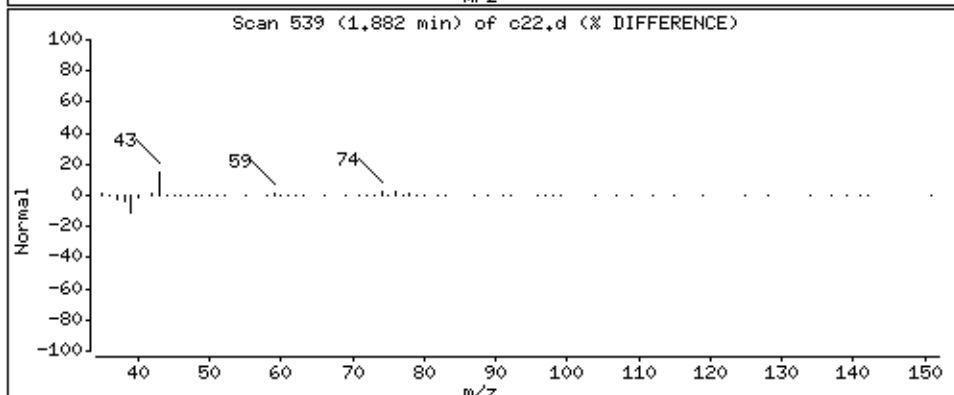
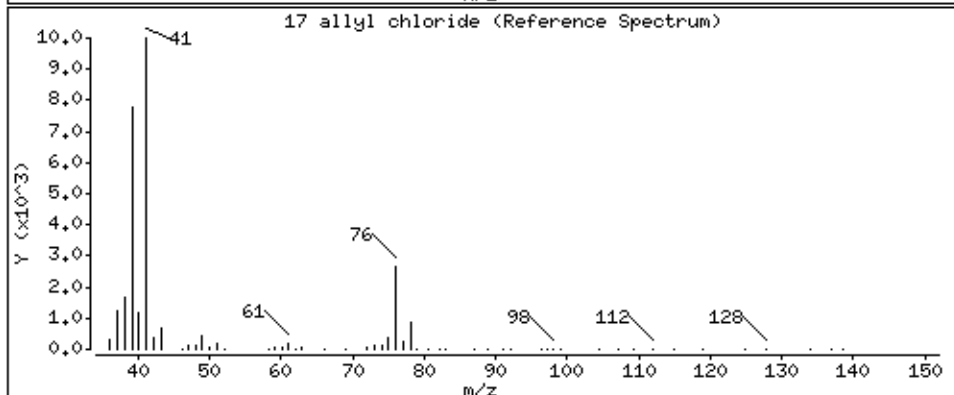
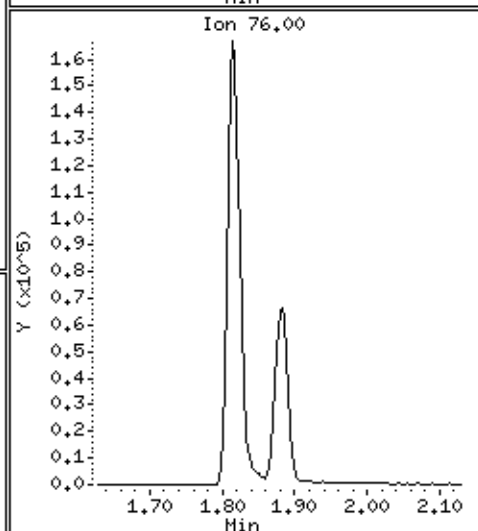
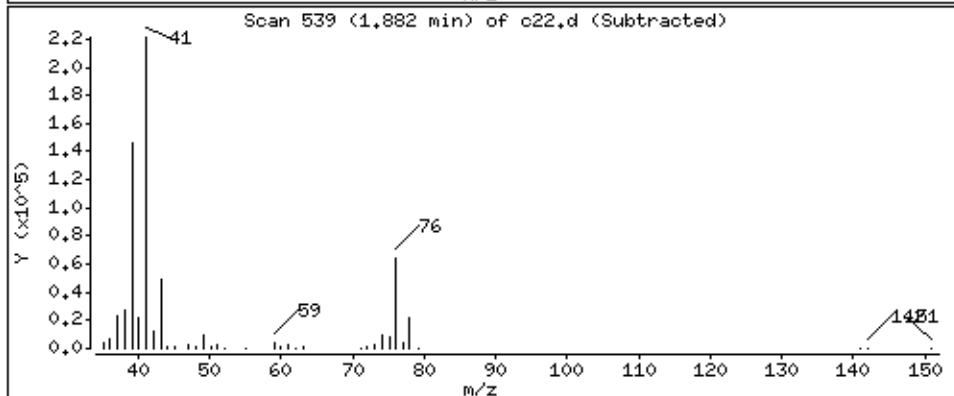
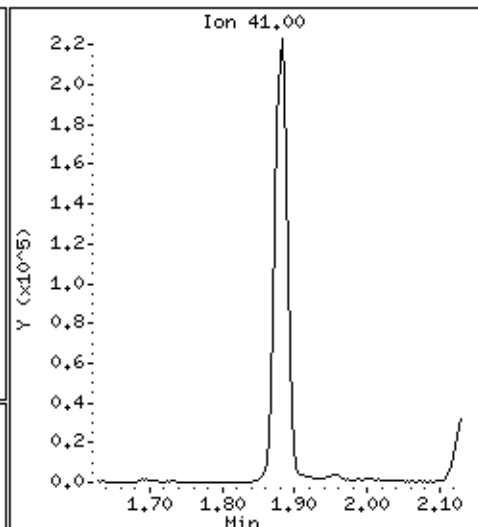
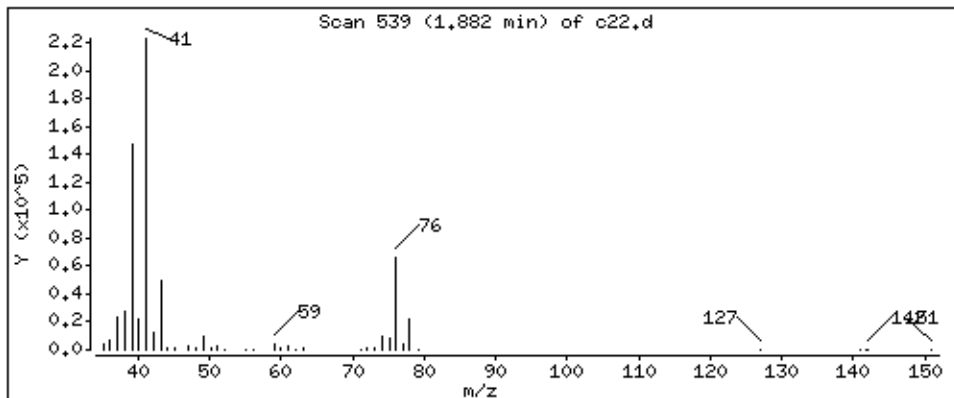
Operator: amv

Column phase: DB-624

Column diameter: 0,18

17 allyl chloride

Concentration: 91.5 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

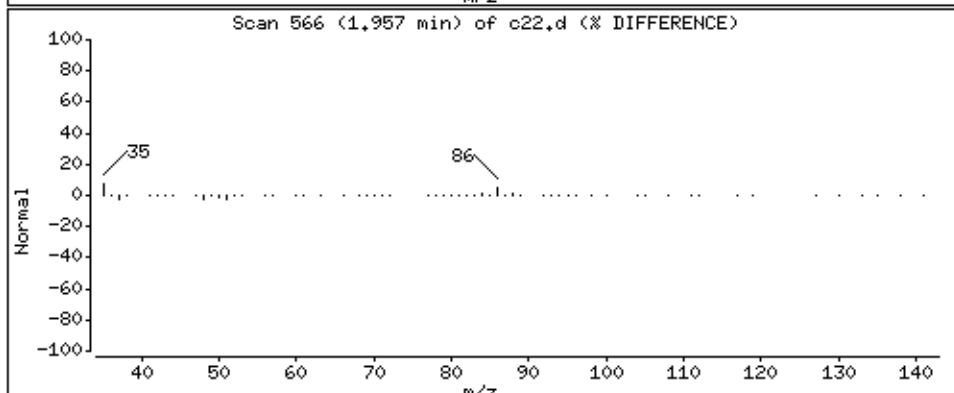
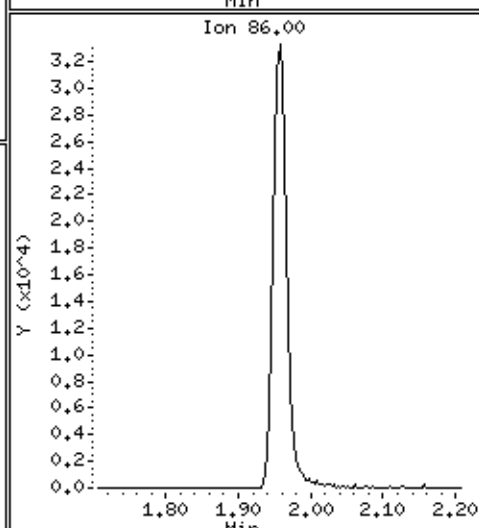
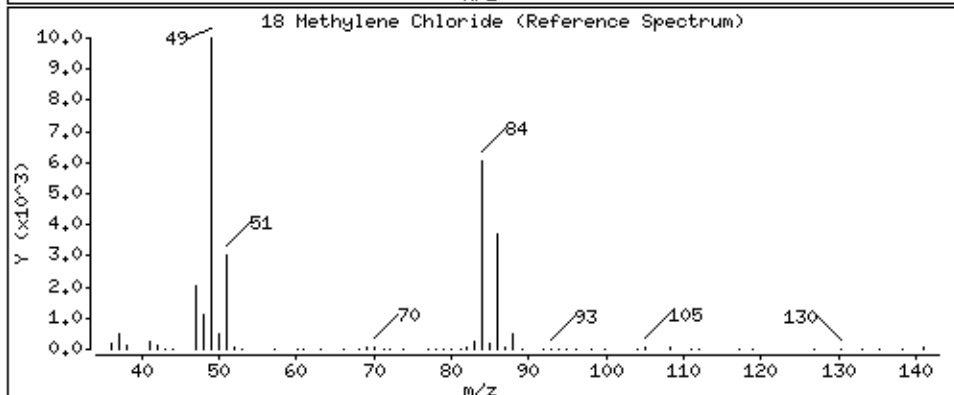
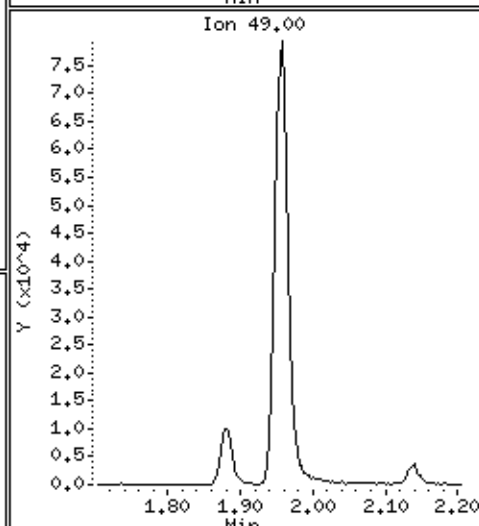
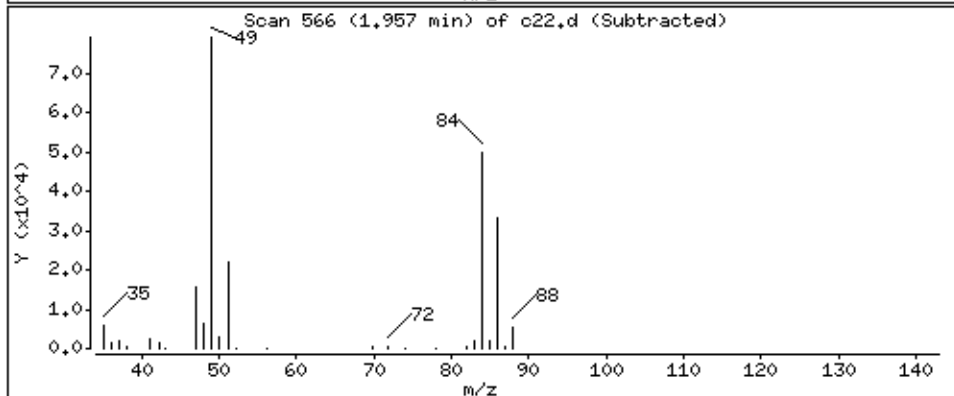
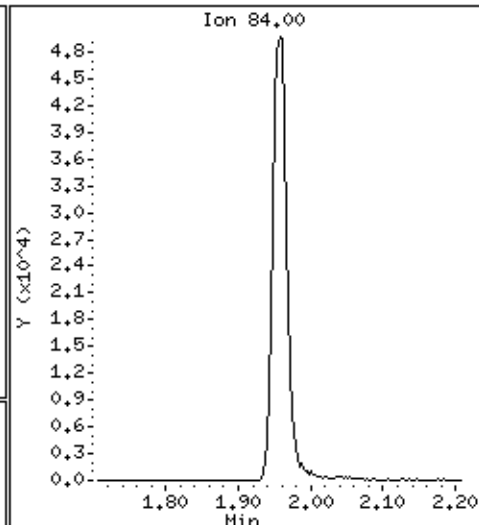
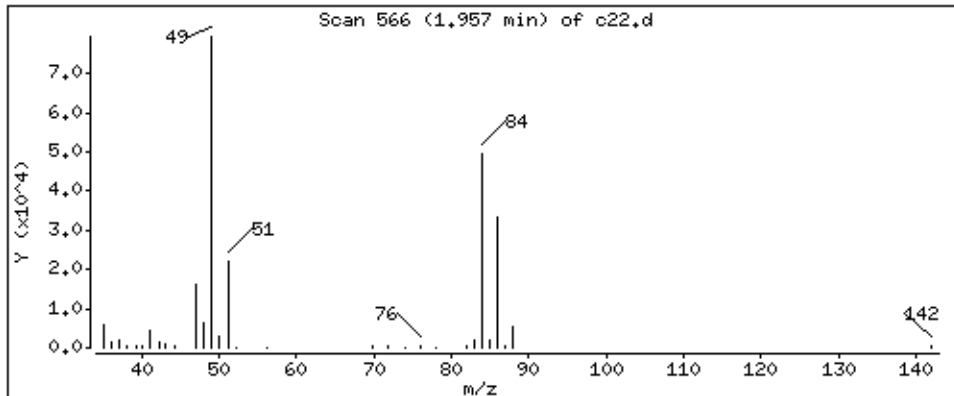
Operator: amv

Column phase: DB-624

Column diameter: 0,18

18 Methylene Chloride

Concentration: 51.6 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

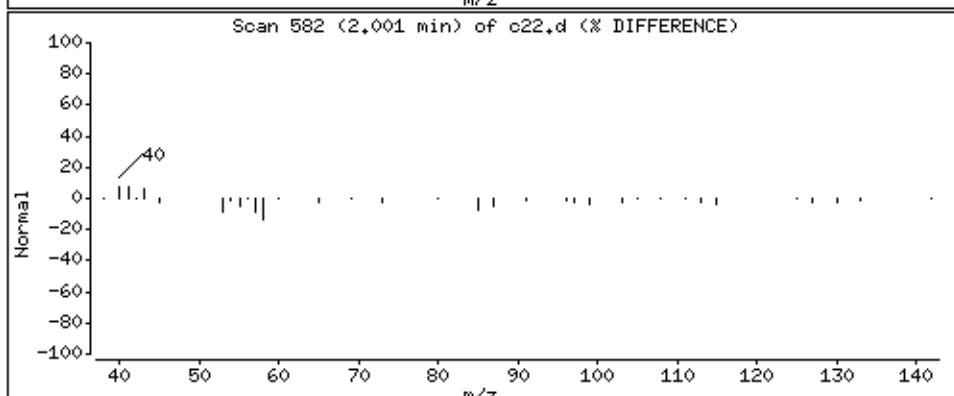
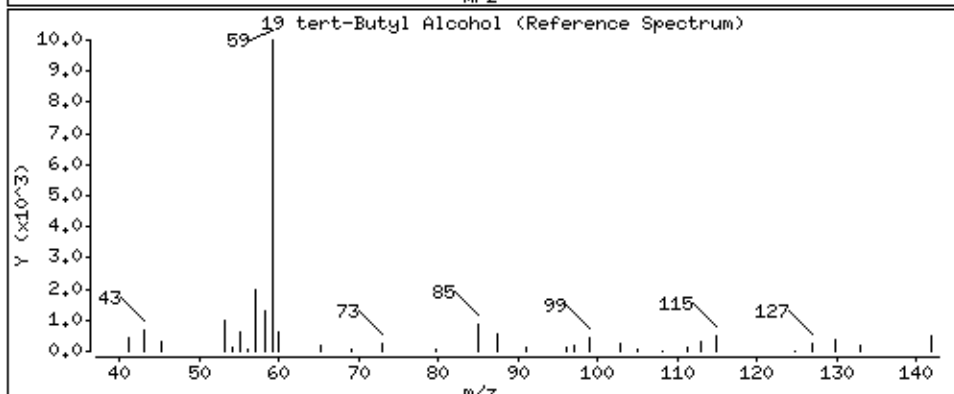
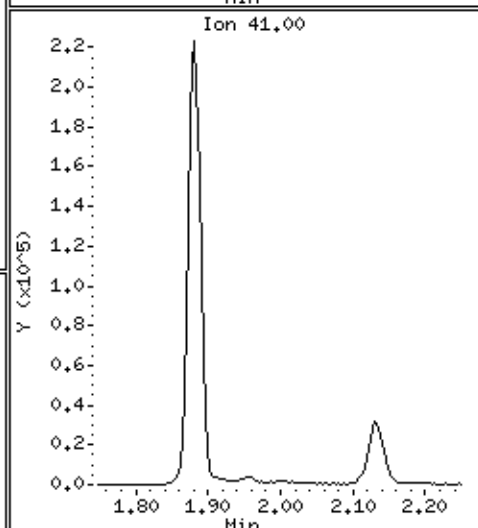
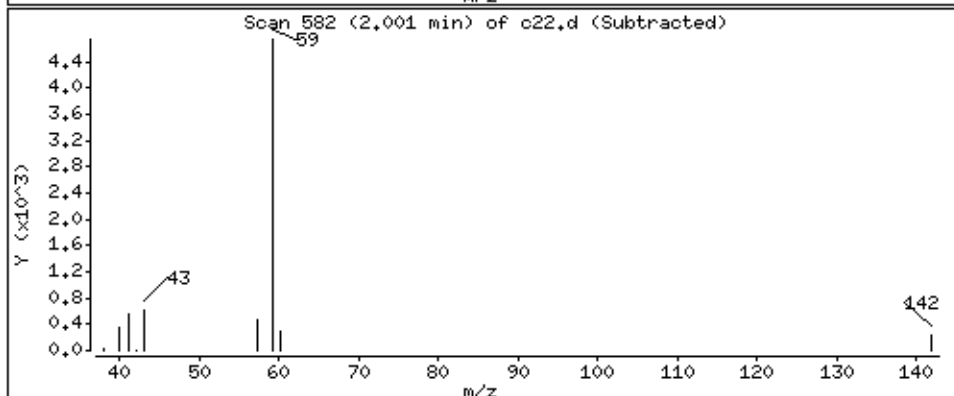
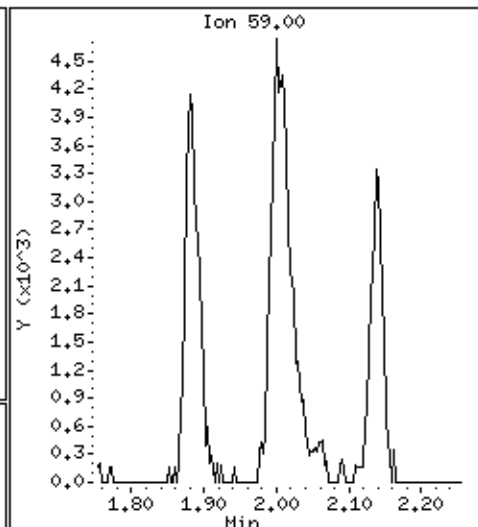
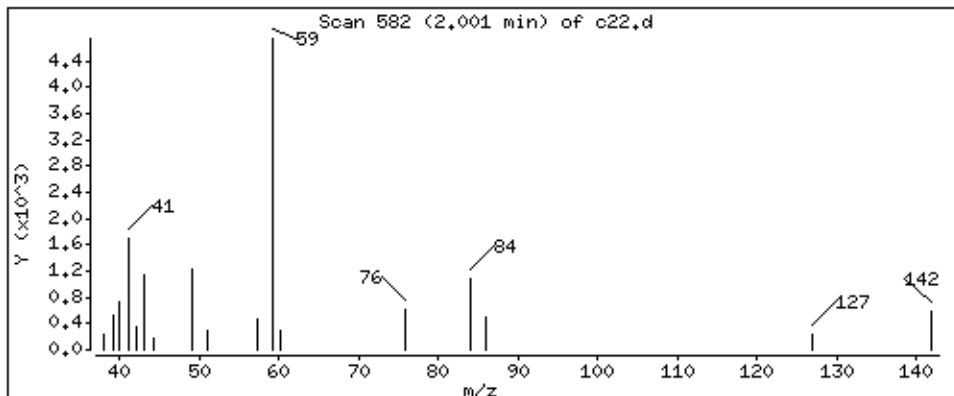
Operator: amv

Column phase: DB-624

Column diameter: 0,18

19 tert-Butyl Alcohol

Concentration: 76,8 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

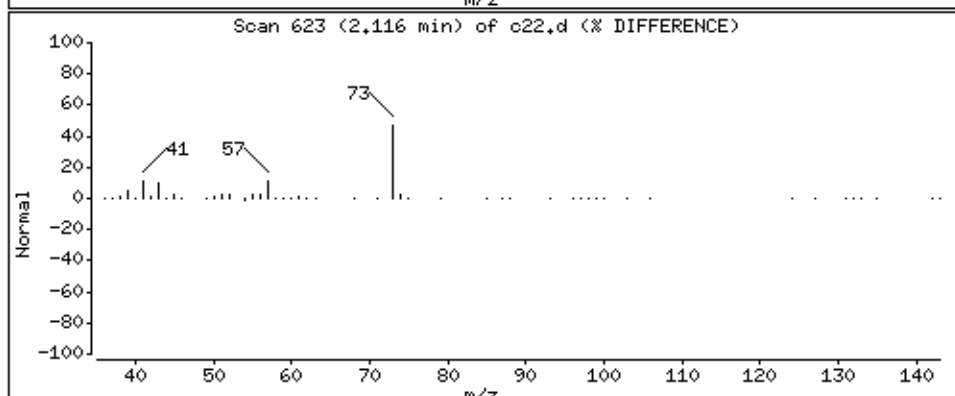
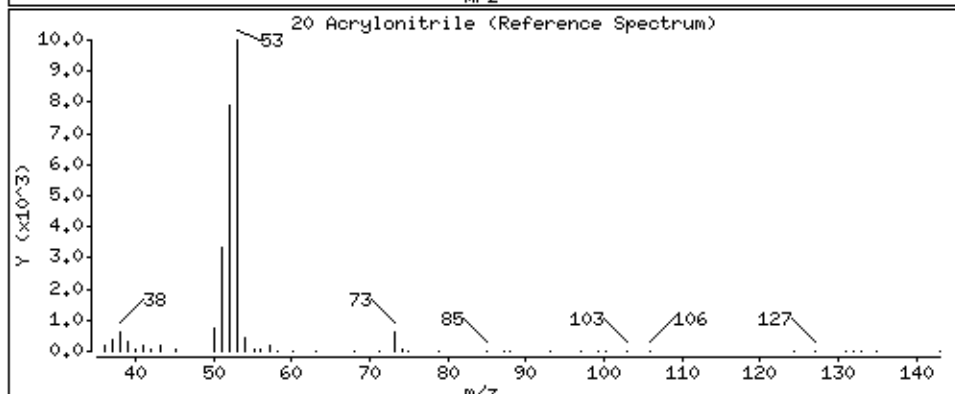
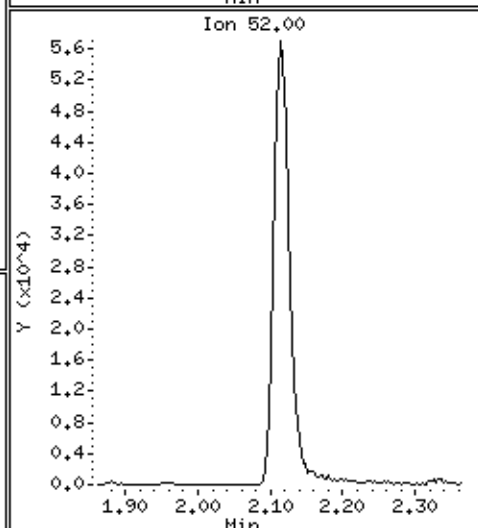
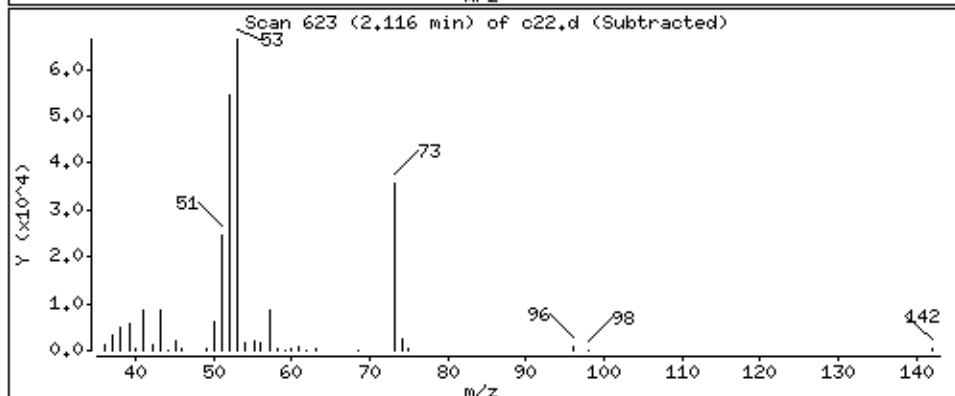
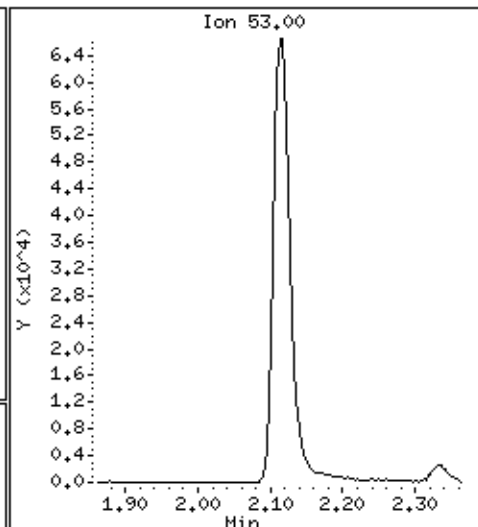
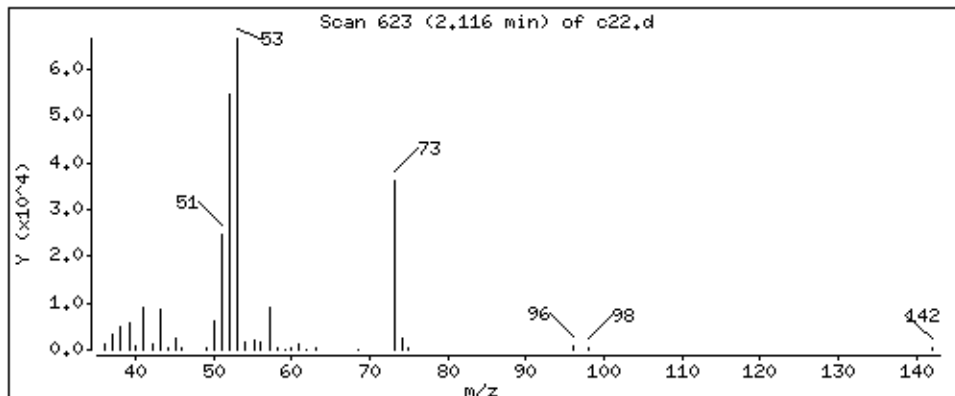
Operator: amv

Column phase: DB-624

Column diameter: 0,18

20 Acrylonitrile

Concentration: 180 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

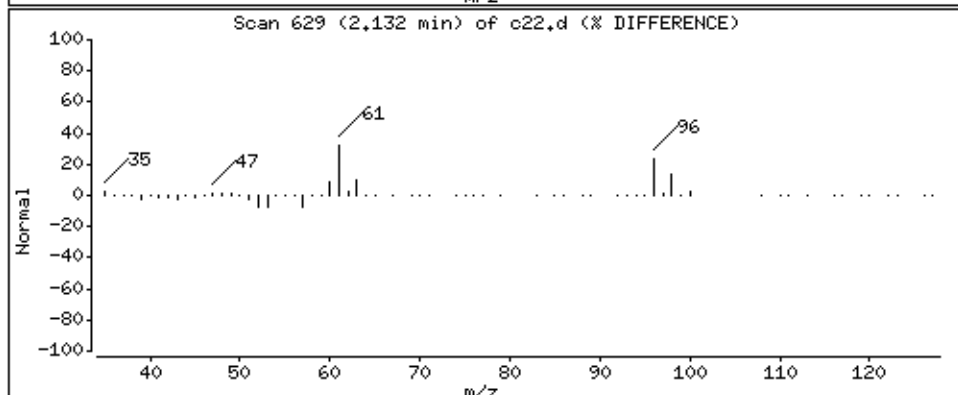
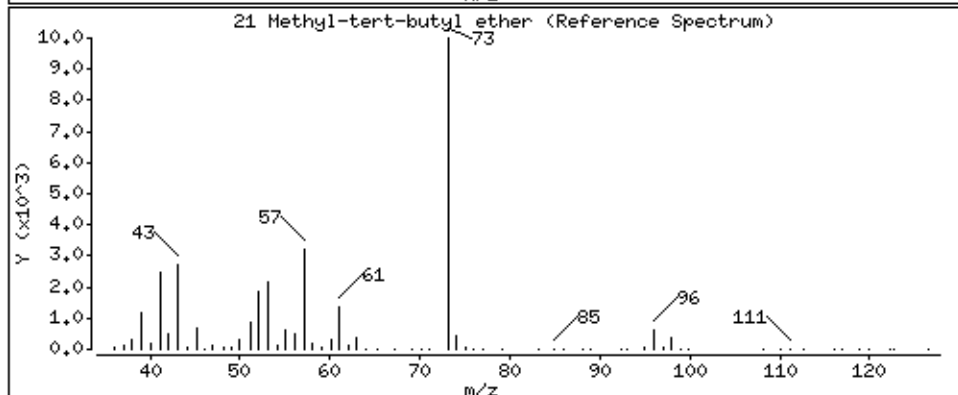
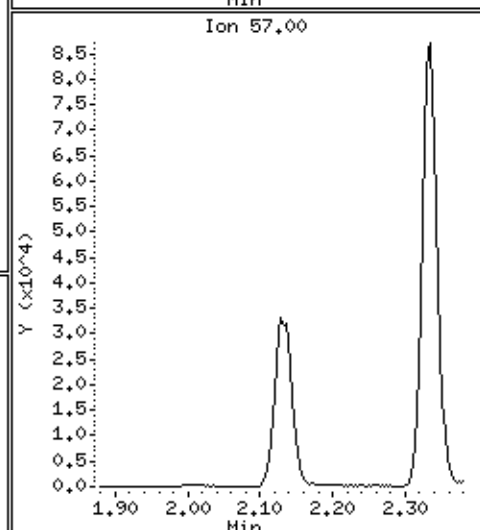
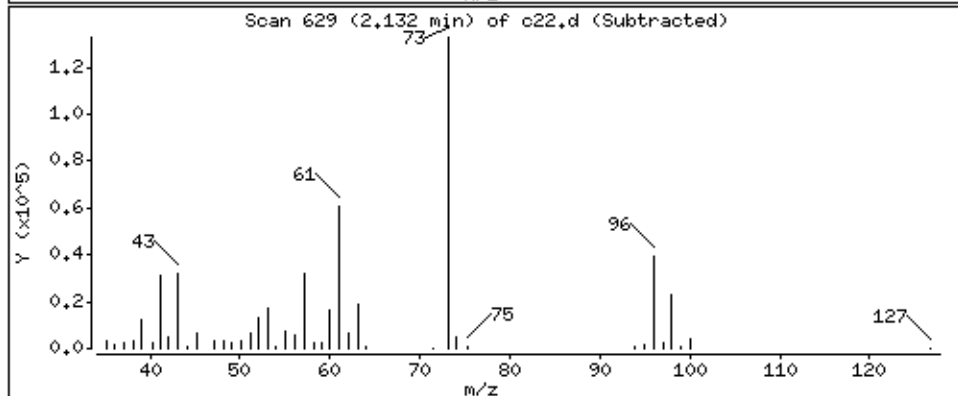
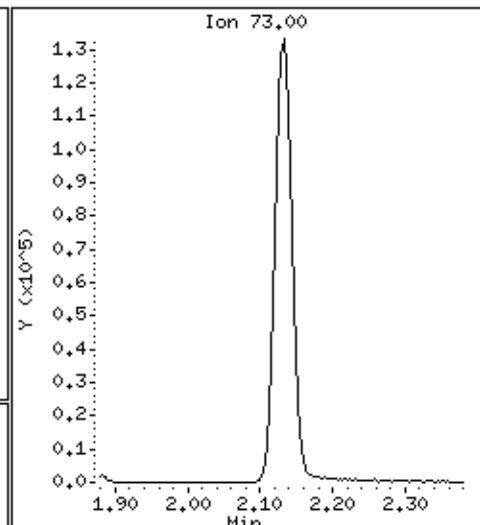
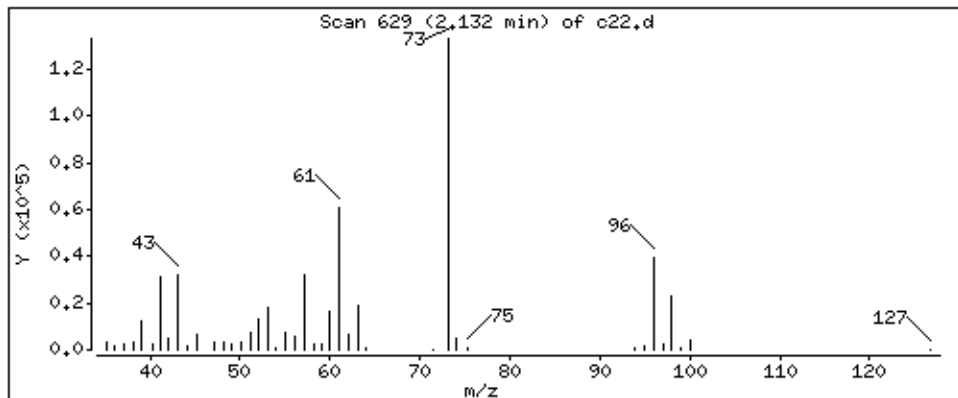
Operator: amv

Column phase: DB-624

Column diameter: 0,18

21 Methyl-tert-butyl ether

Concentration: 52,5 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

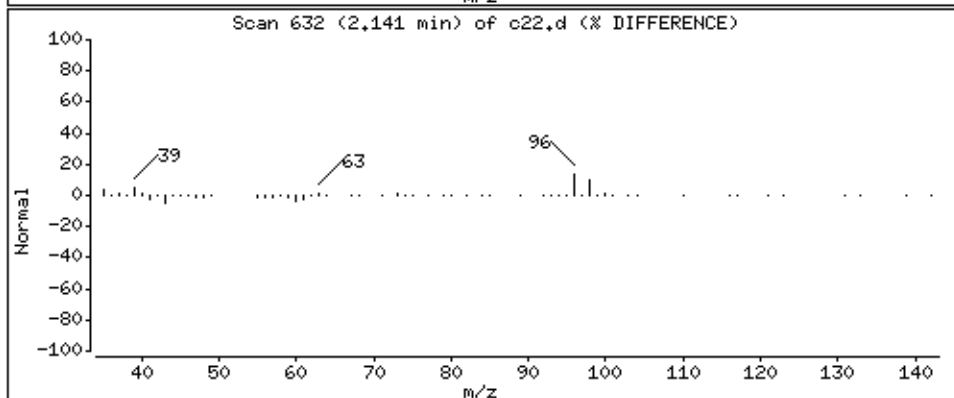
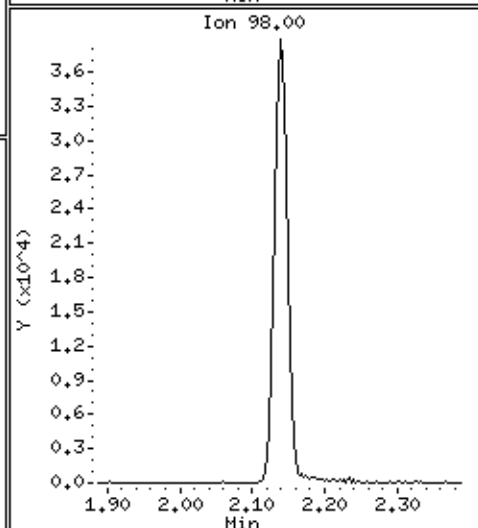
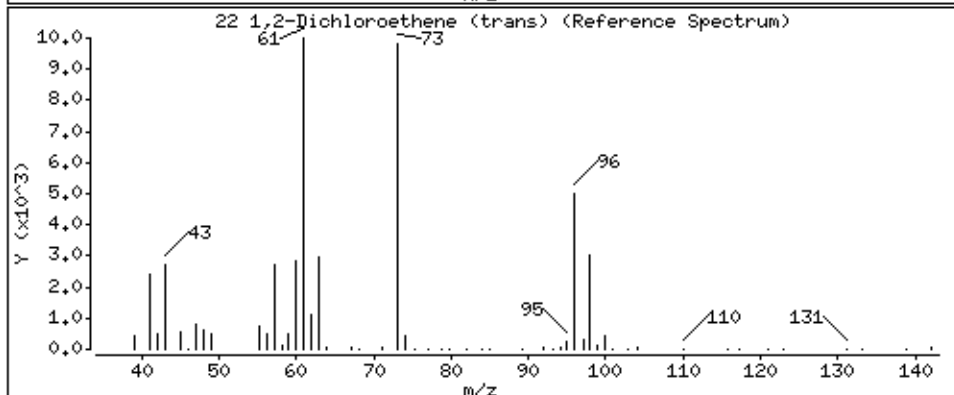
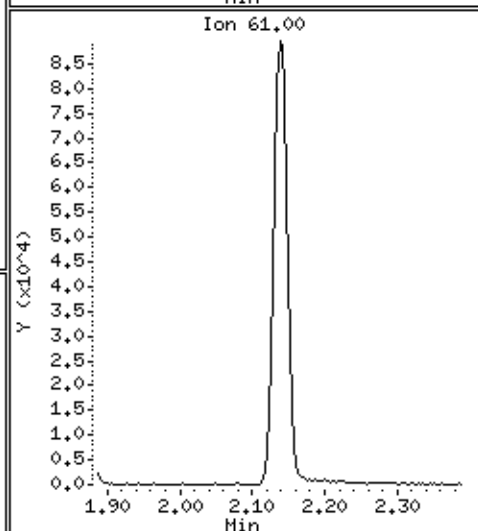
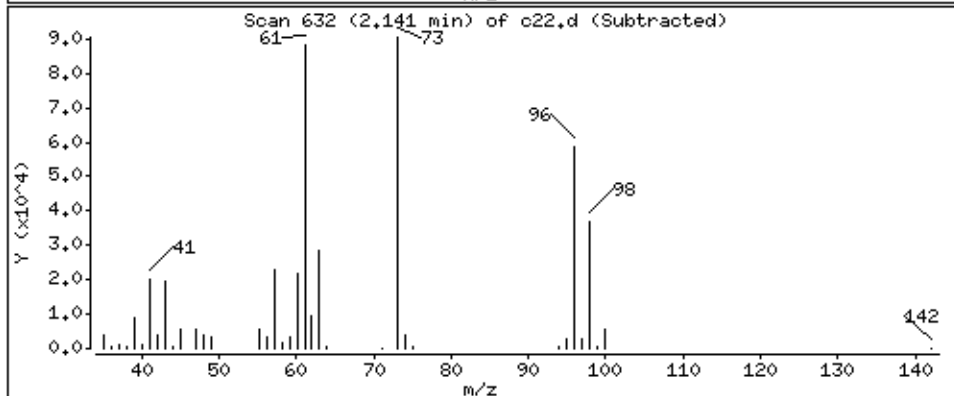
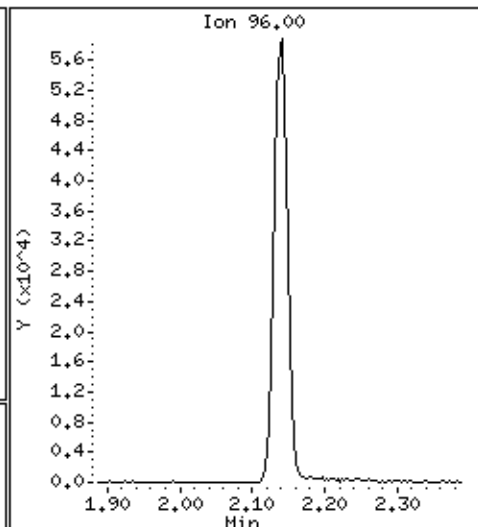
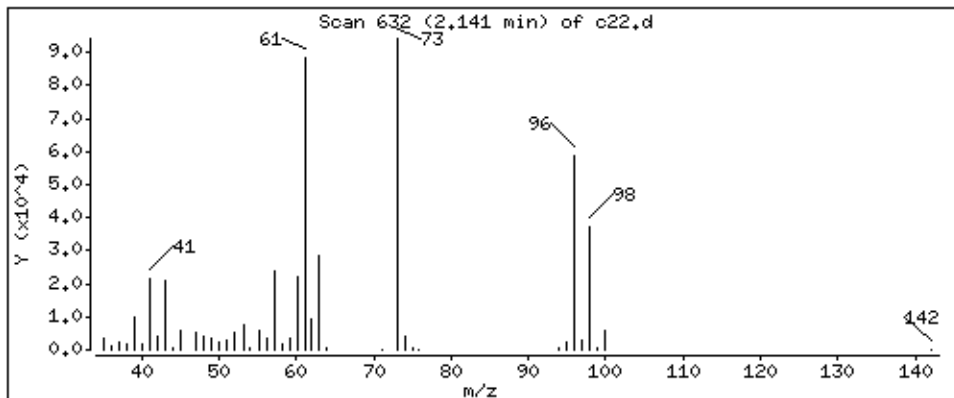
Operator: amv

Column phase: DB-624

Column diameter: 0,18

22 1,2-Dichloroethene (trans)

Concentration: 50,4 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

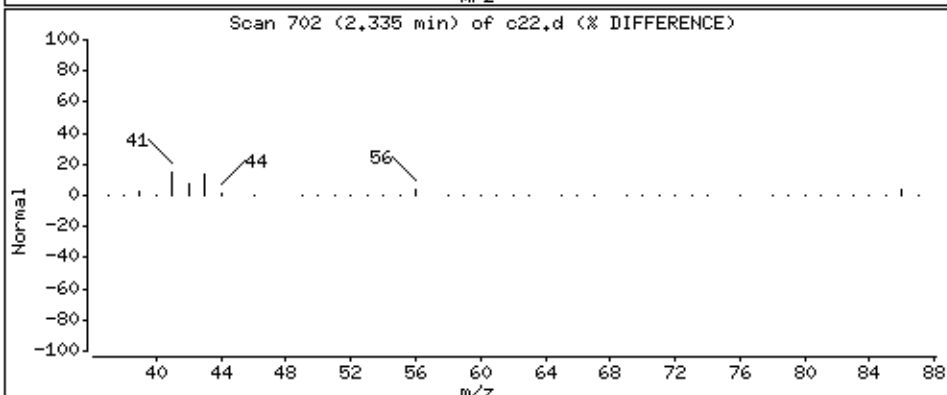
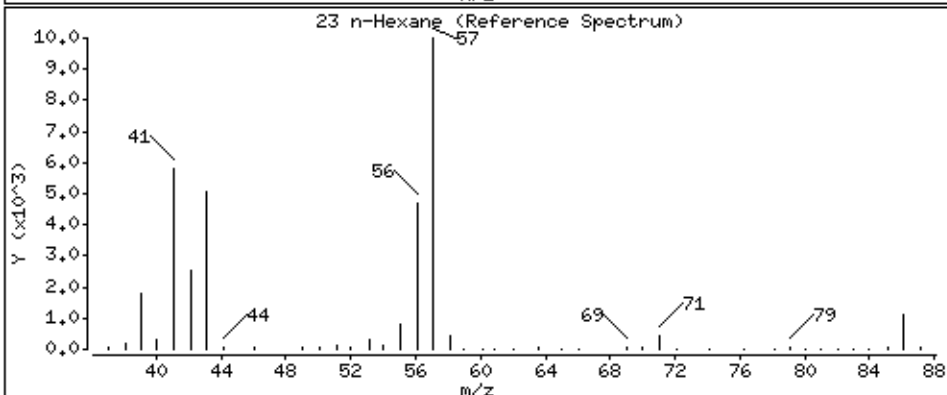
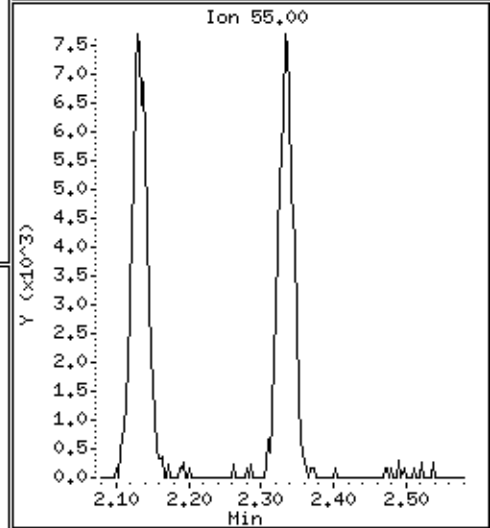
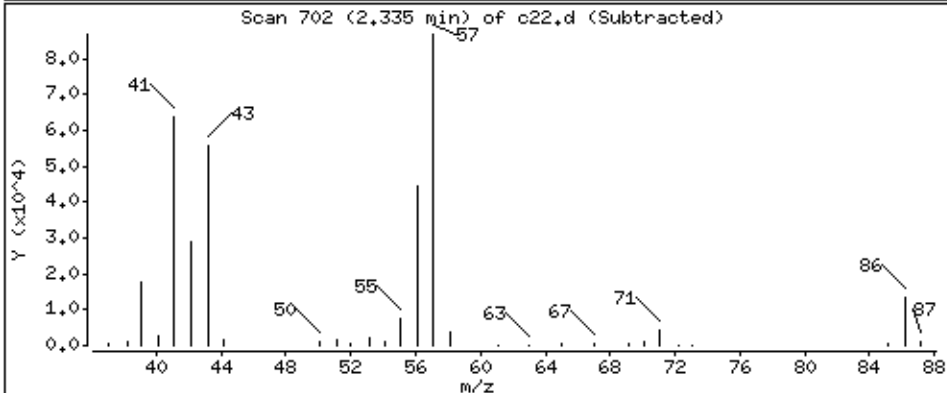
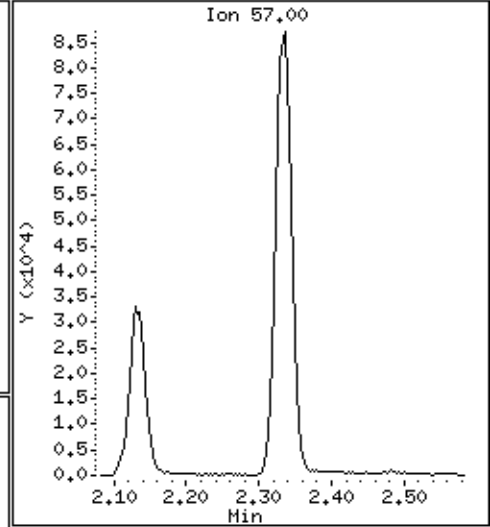
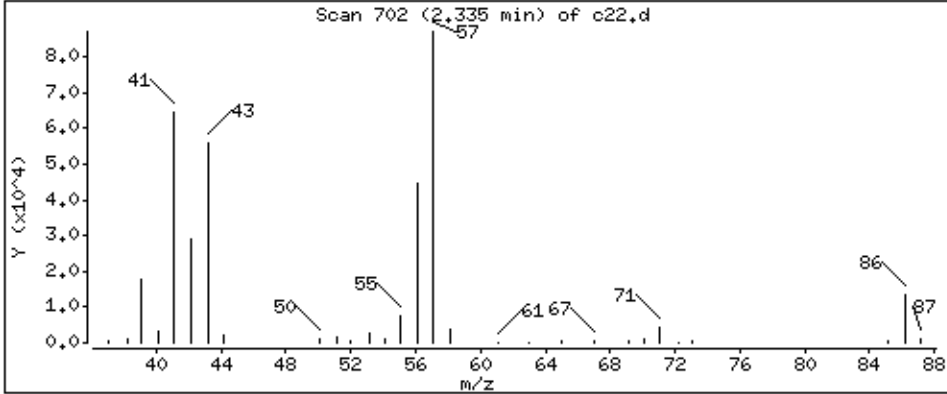
Operator: amv

Column phase: DB-624

Column diameter: 0,18

23 n-Hexane

Concentration: 46,6 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

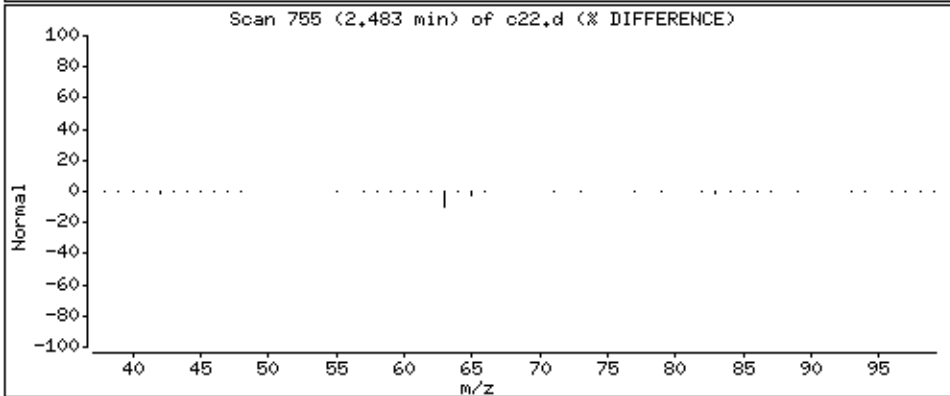
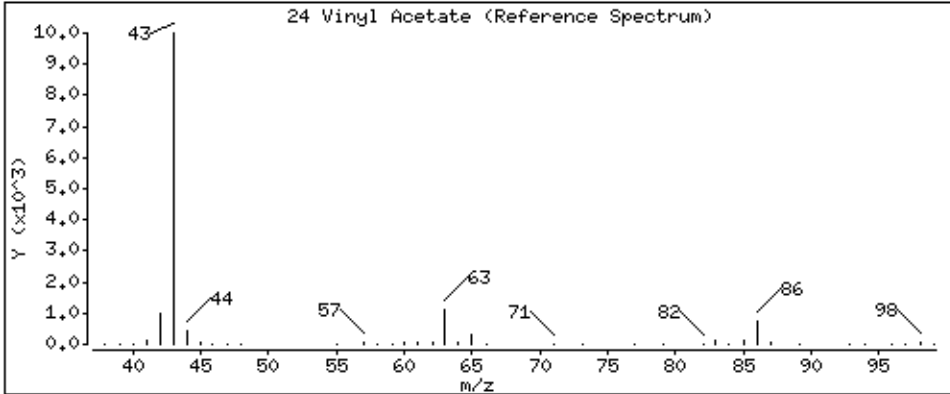
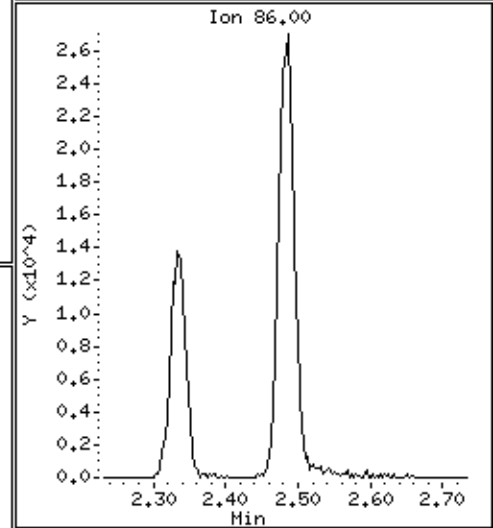
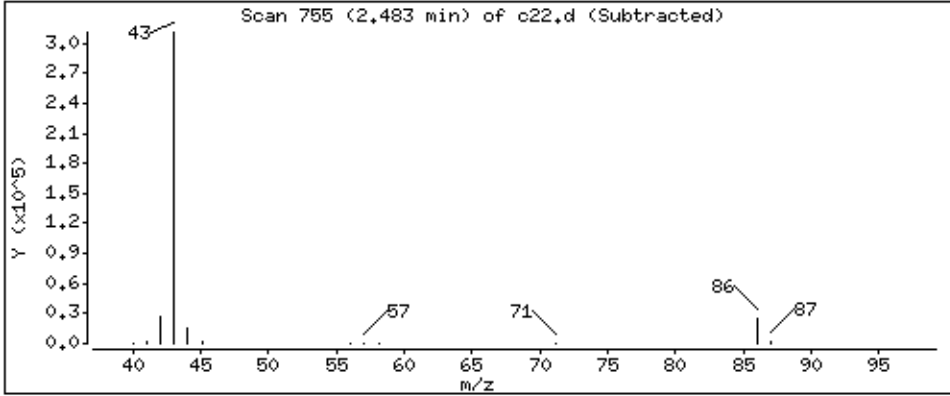
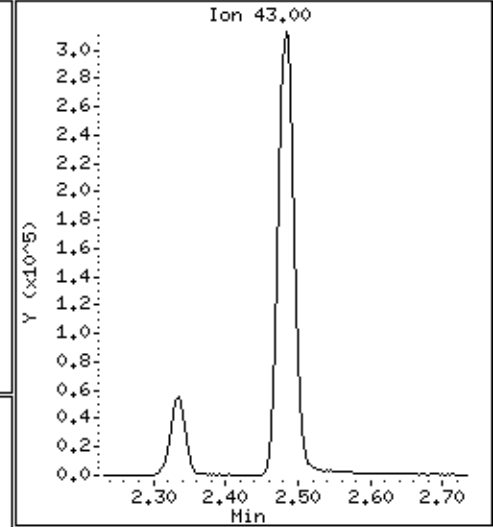
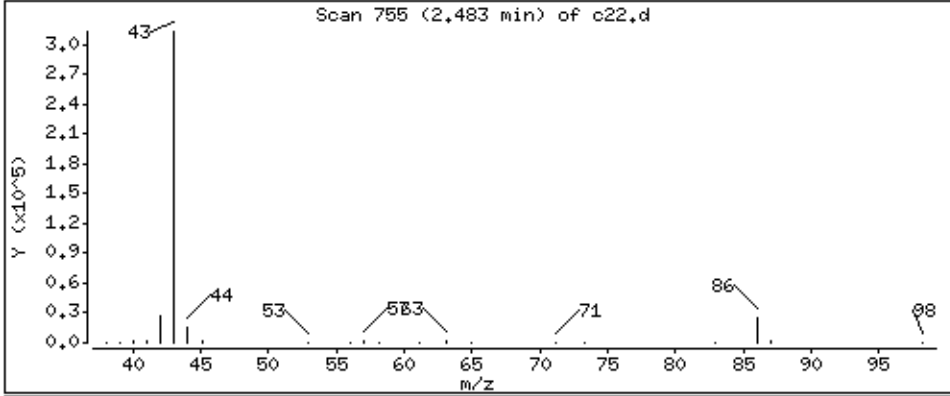
Operator: amv

Column phase: DB-624

Column diameter: 0,18

24 Vinyl Acetate

Concentration: 103 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

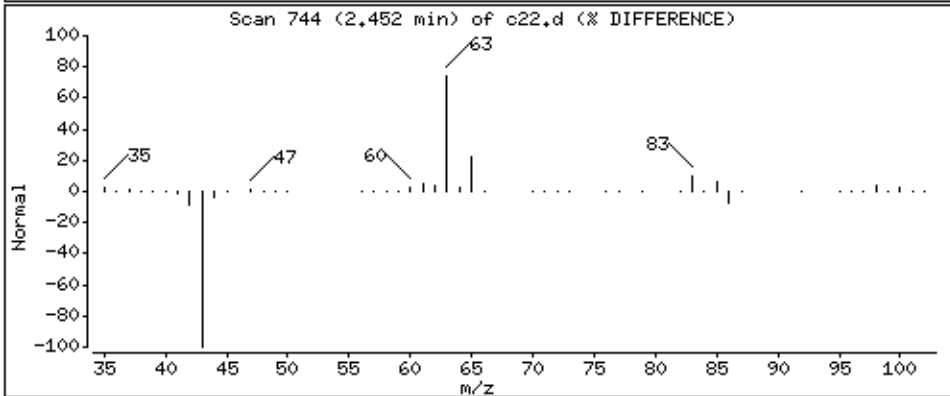
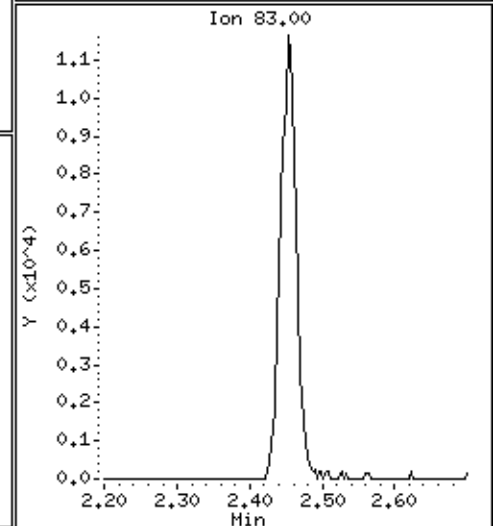
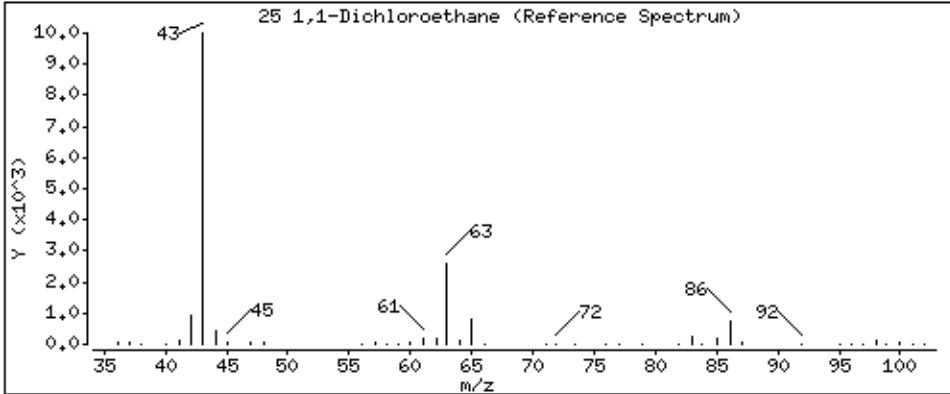
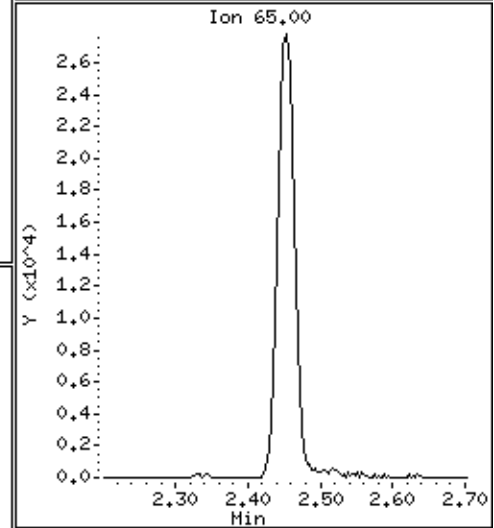
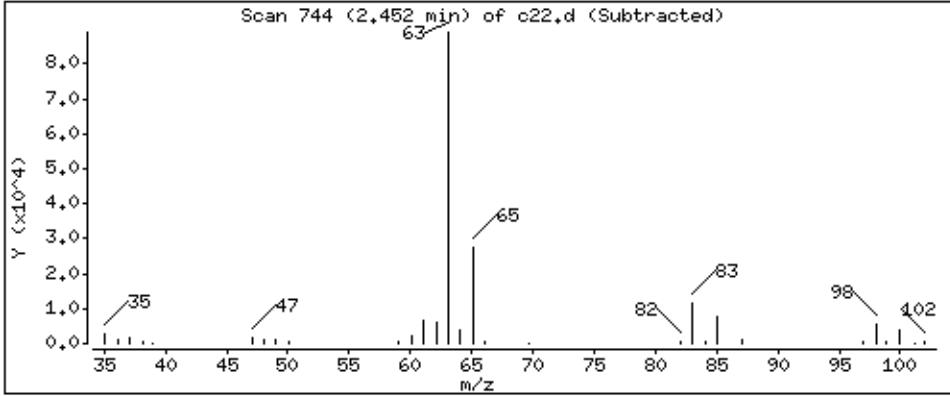
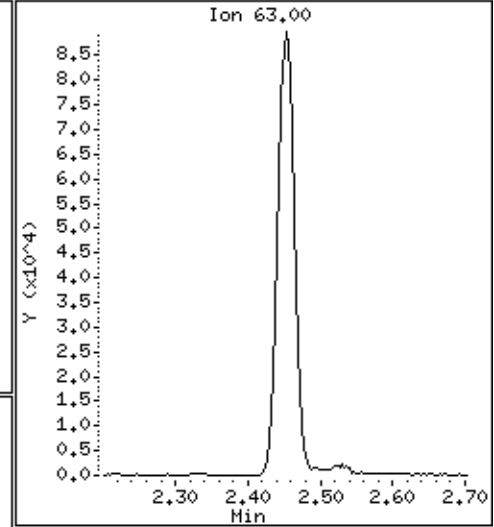
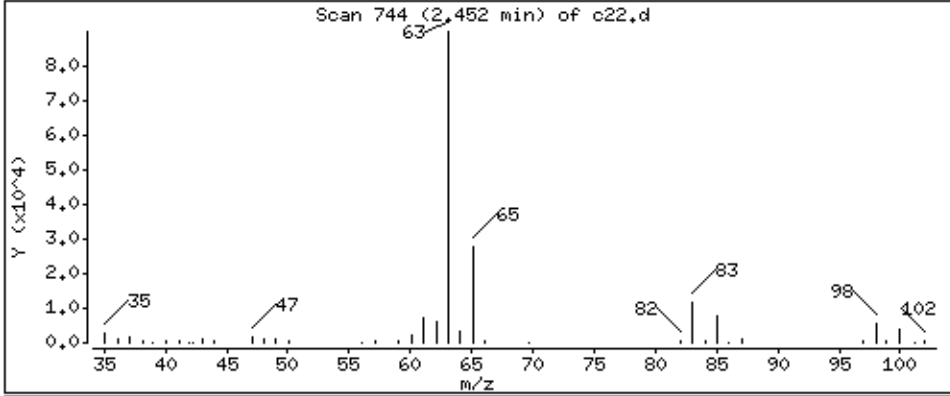
Operator: amv

Column phase: DB-624

Column diameter: 0,18

25 1,1-Dichloroethane

Concentration: 51.1 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

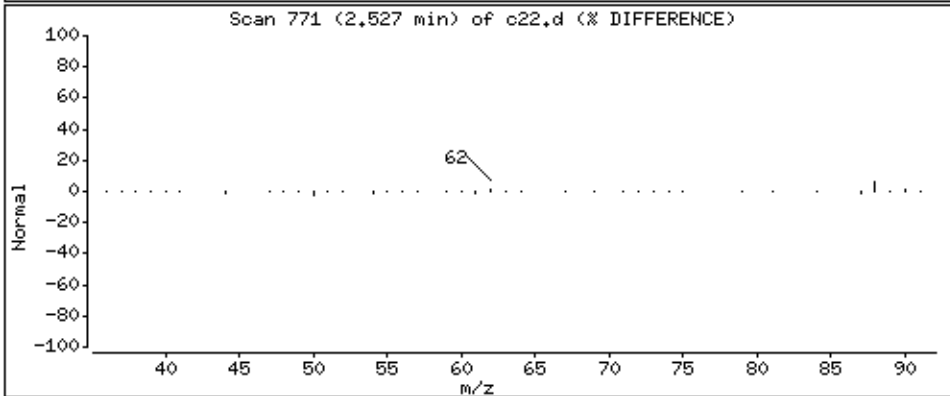
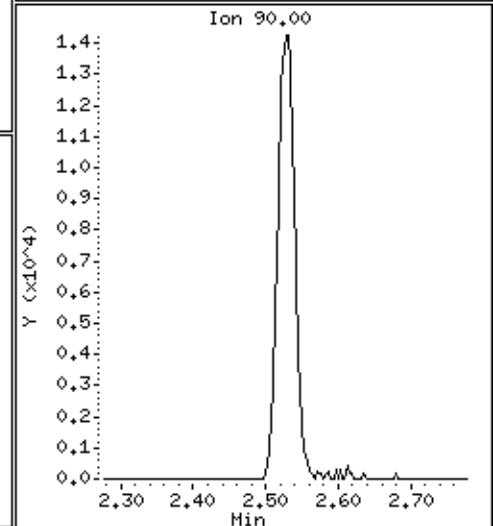
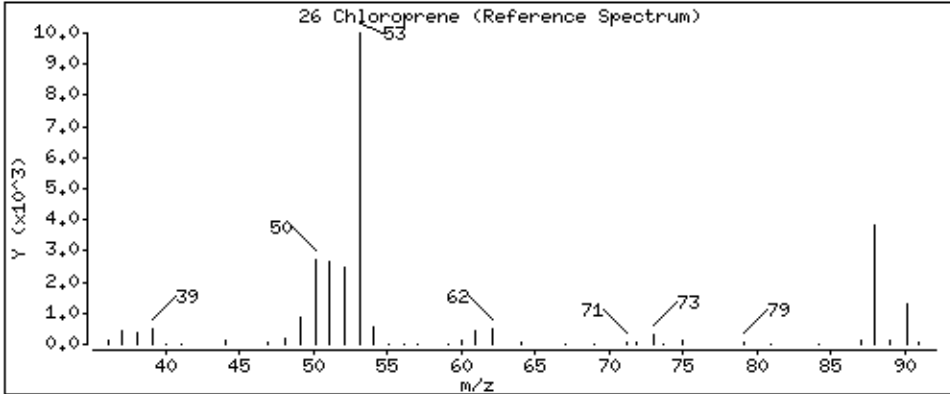
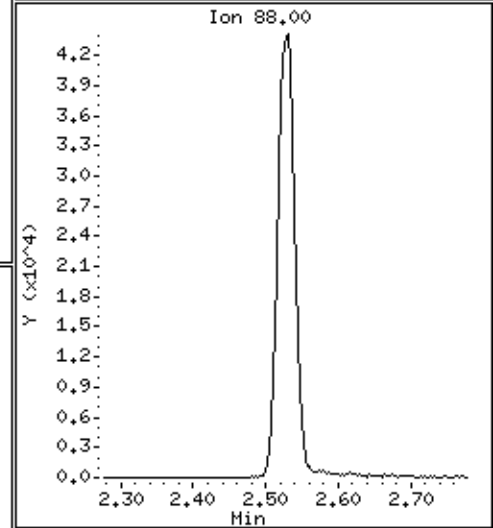
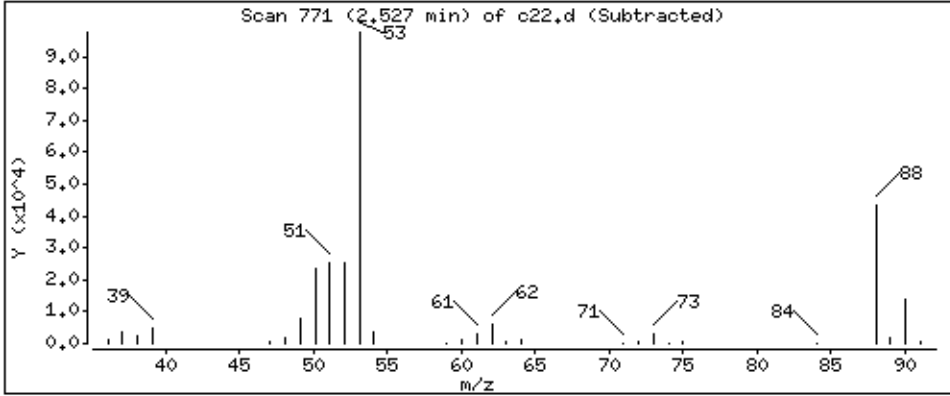
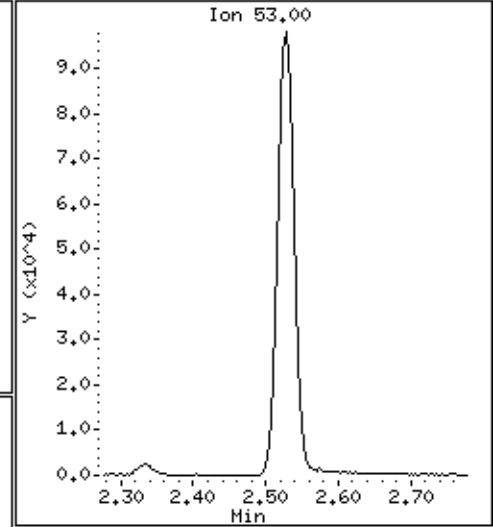
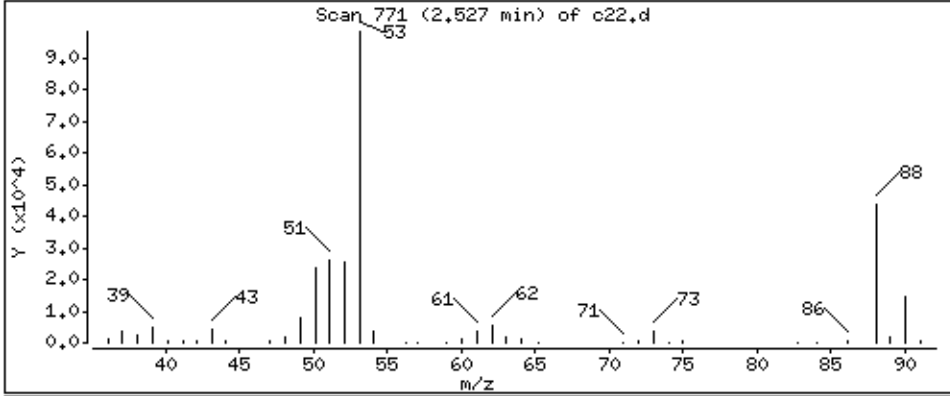
Operator: amv

Column phase: DB-624

Column diameter: 0,18

26 Chloroprene

Concentration: 48,1 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

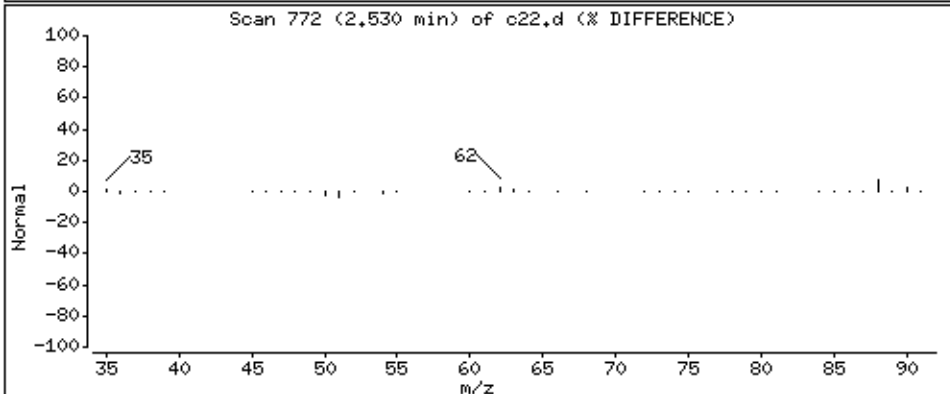
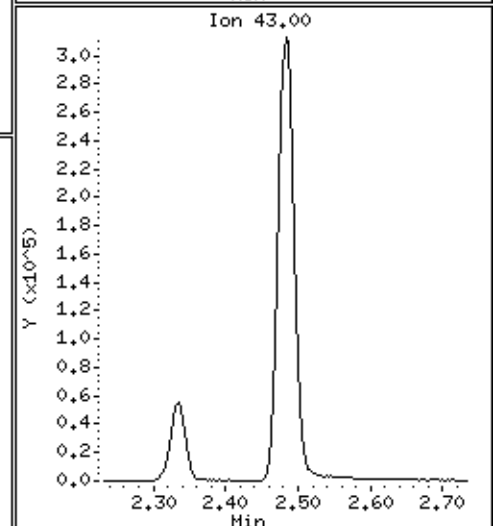
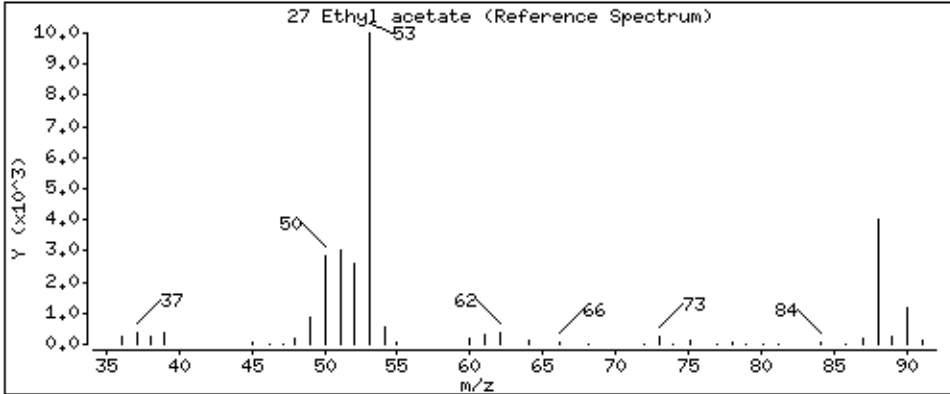
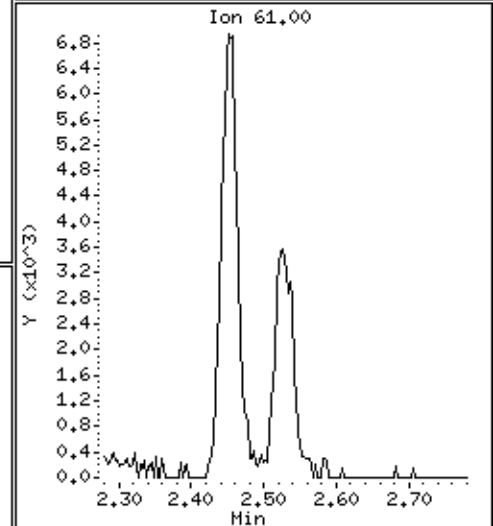
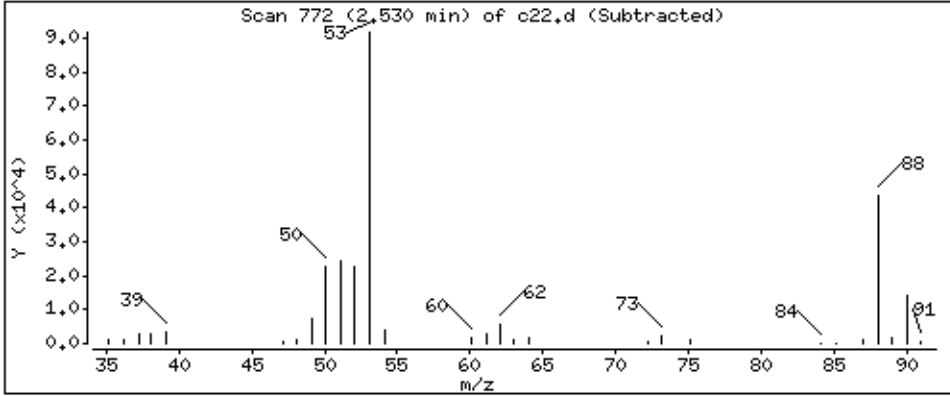
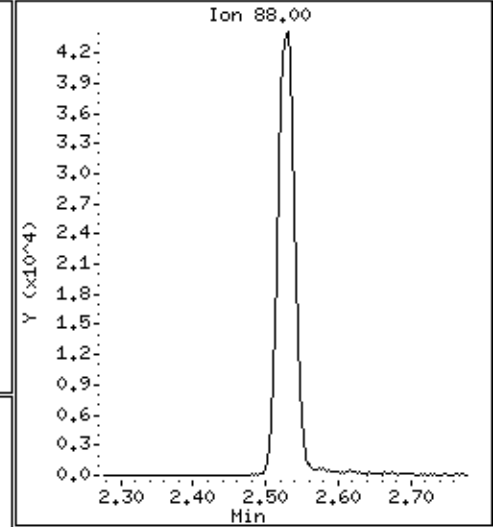
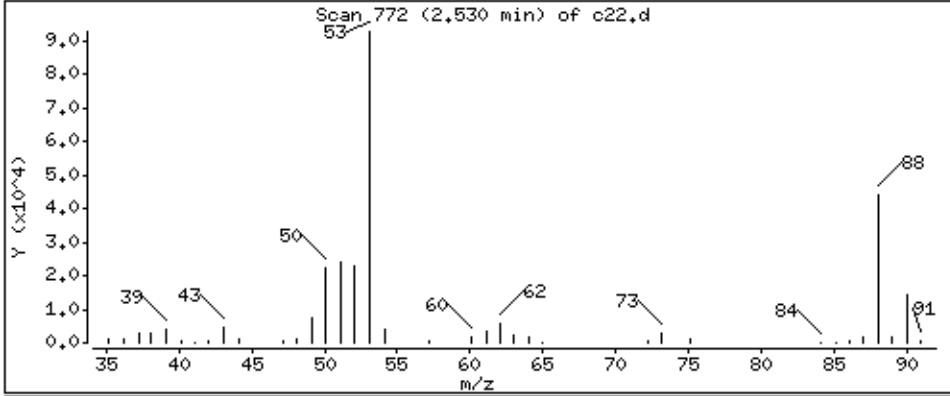
Operator: amv

Column phase: DB-624

Column diameter: 0,18

27 Ethyl acetate

Concentration: 443 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

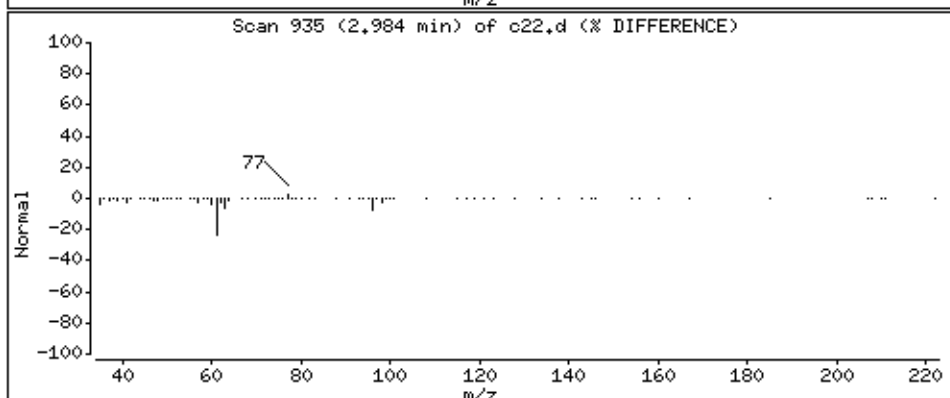
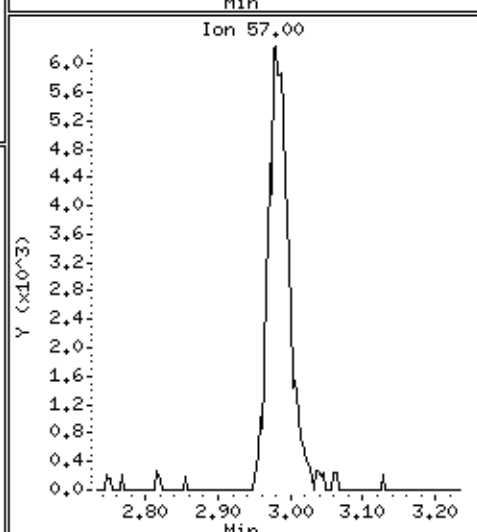
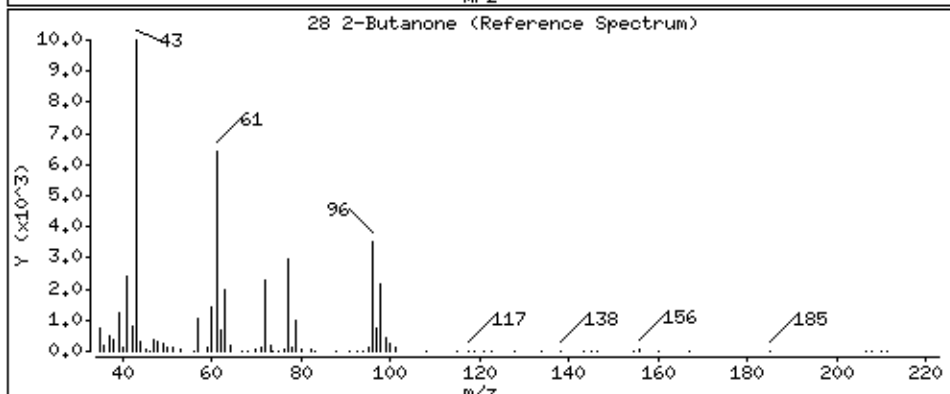
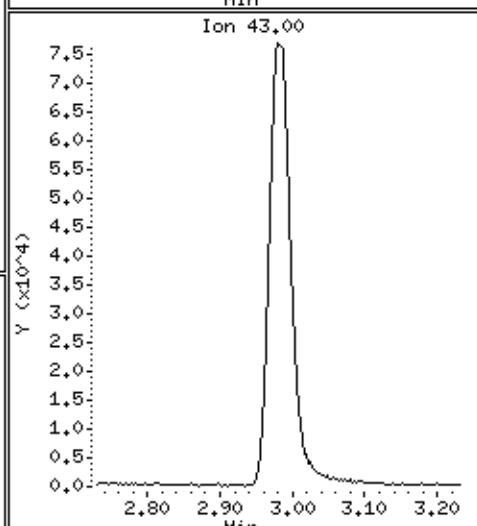
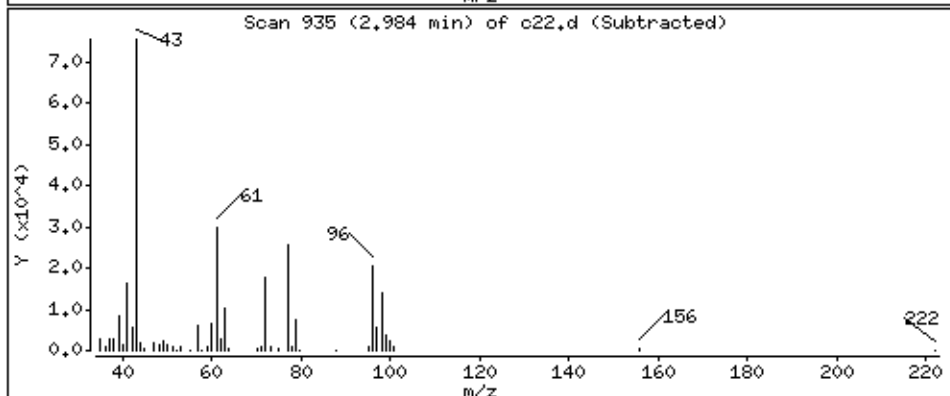
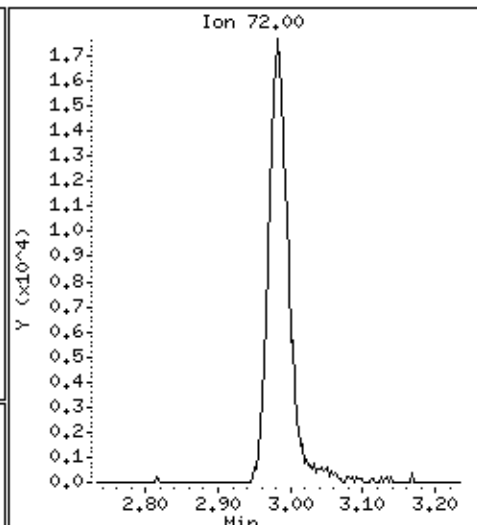
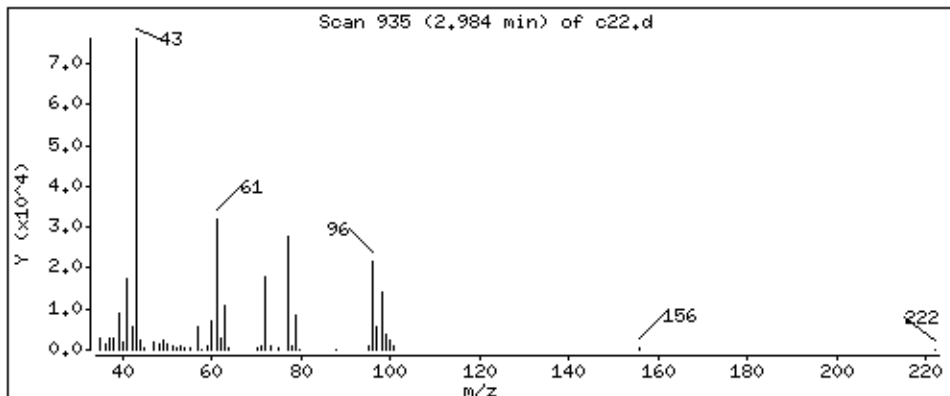
Operator: amv

Column phase: DB-624

Column diameter: 0,18

28 2-Butanone

Concentration: 248 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

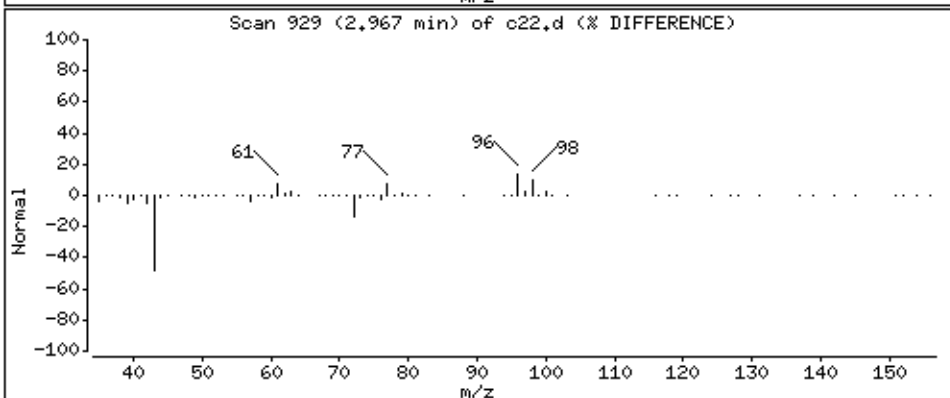
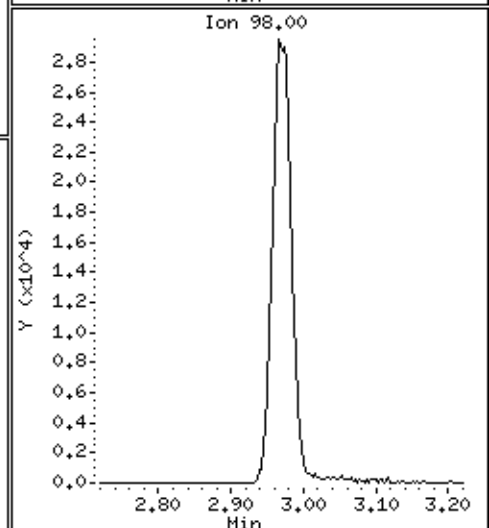
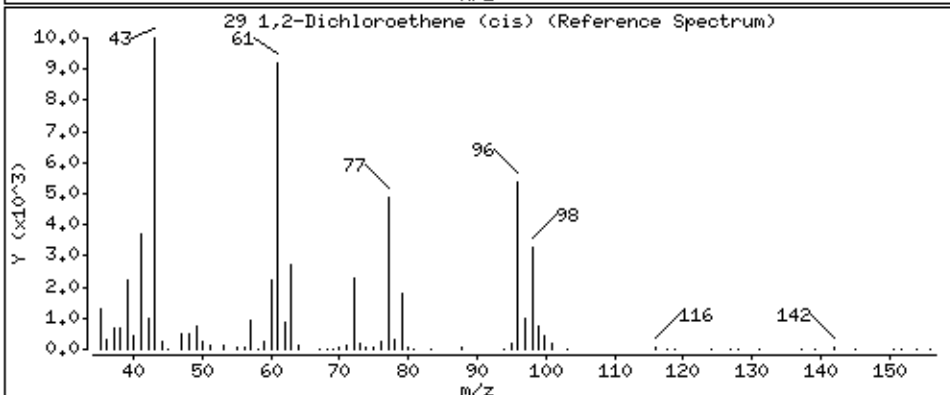
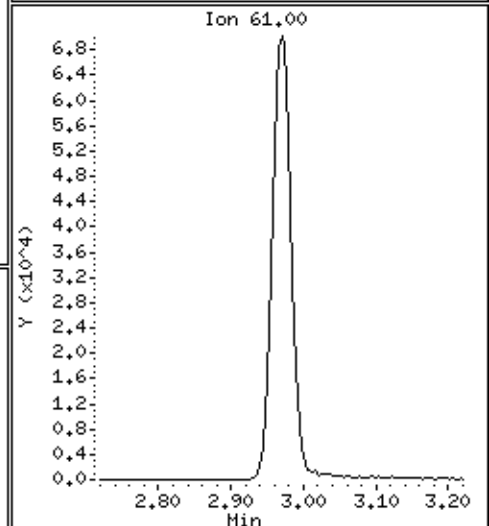
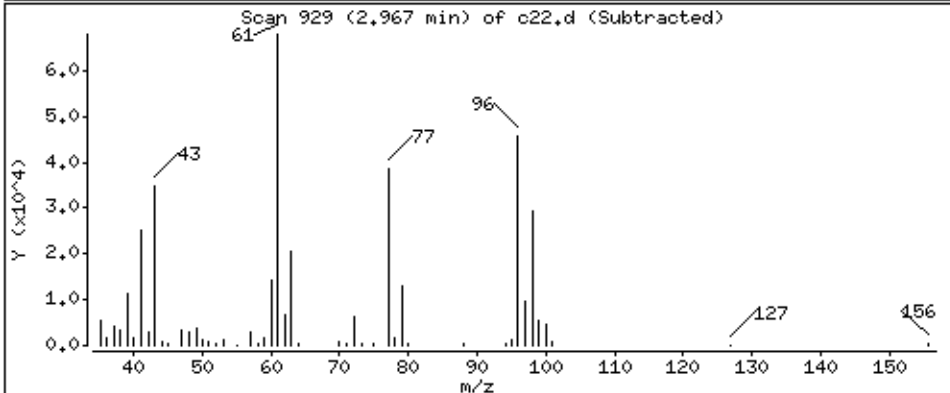
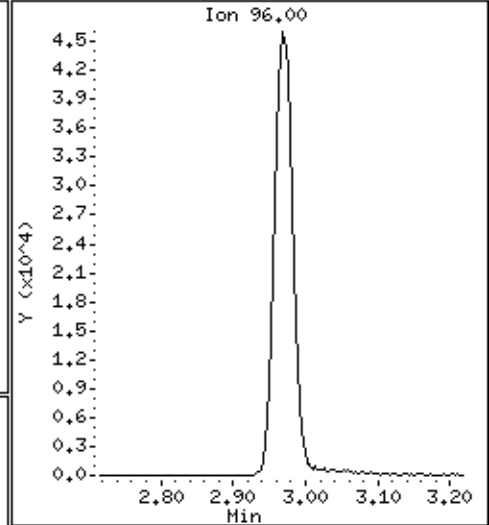
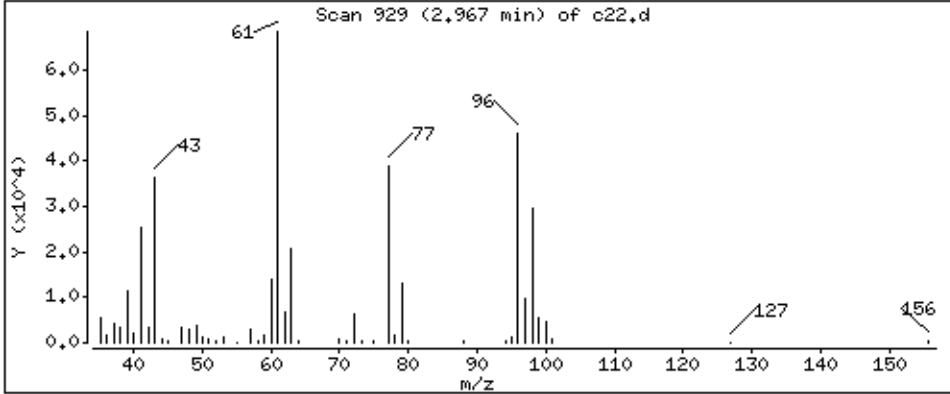
Operator: amv

Column phase: DB-624

Column diameter: 0,18

29 1,2-Dichloroethene (cis)

Concentration: 50,3 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

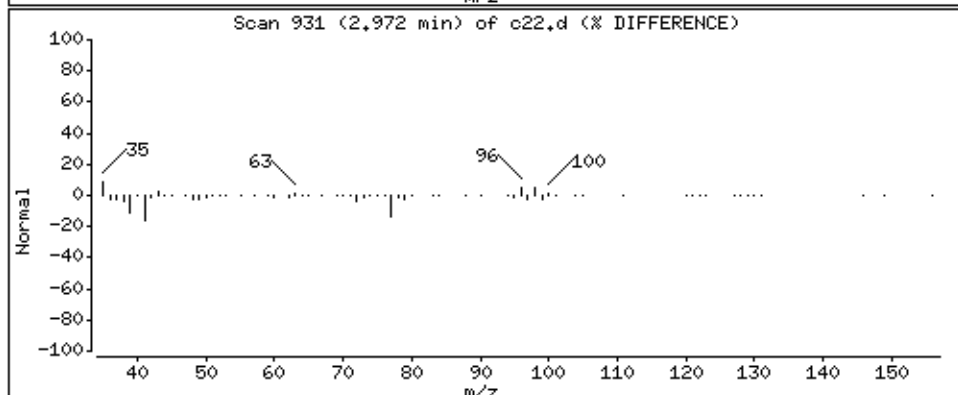
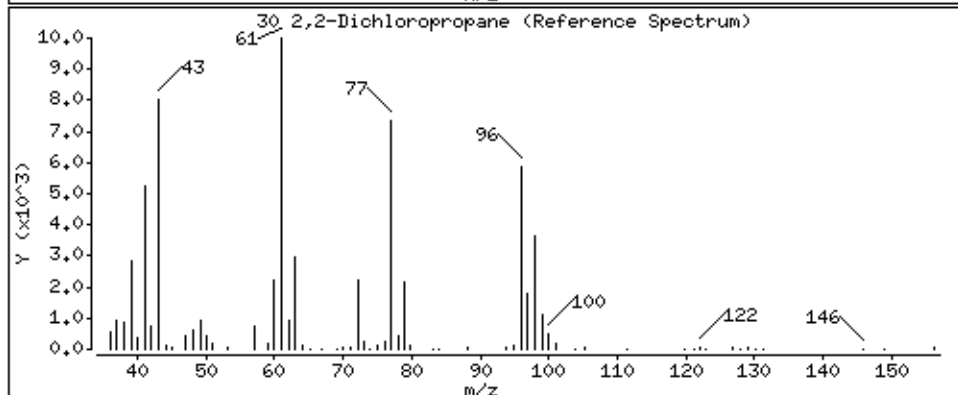
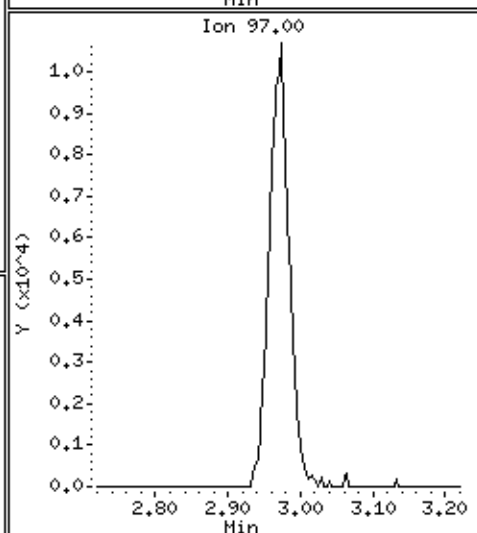
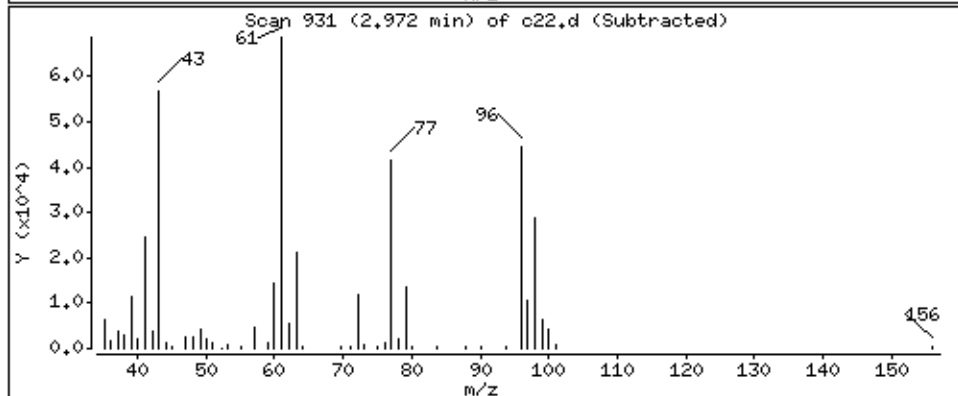
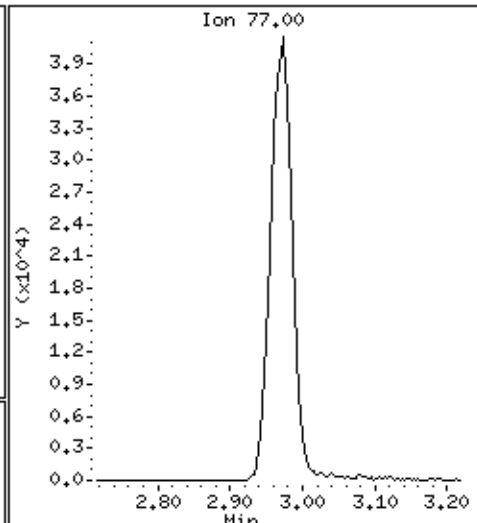
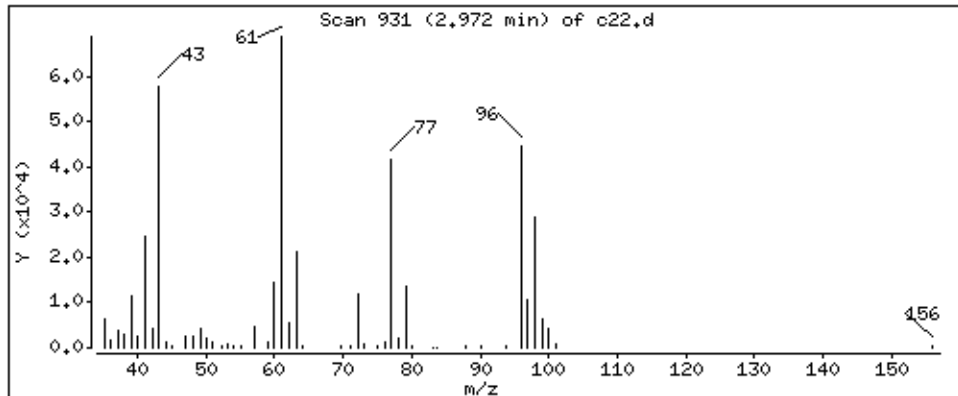
Operator: amv

Column phase: DB-624

Column diameter: 0,18

30 2,2-Dichloropropane

Concentration: 36,3 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

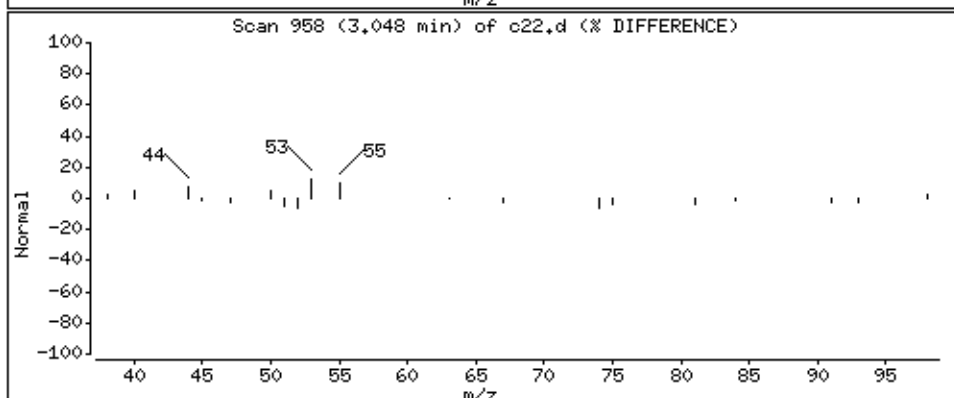
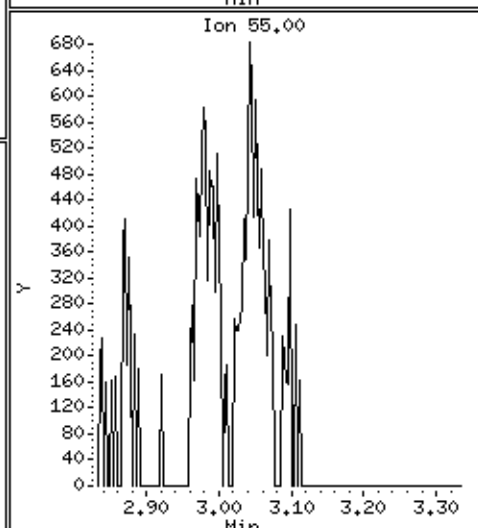
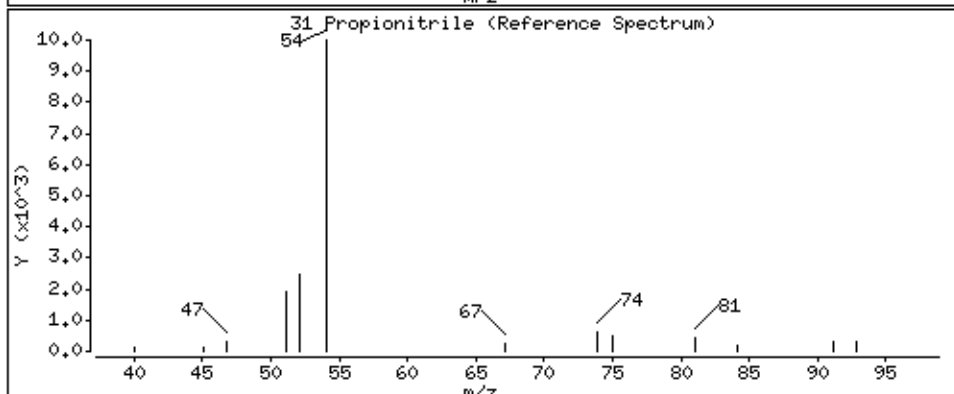
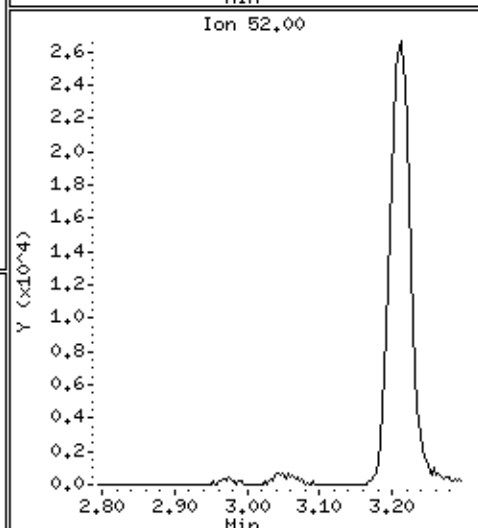
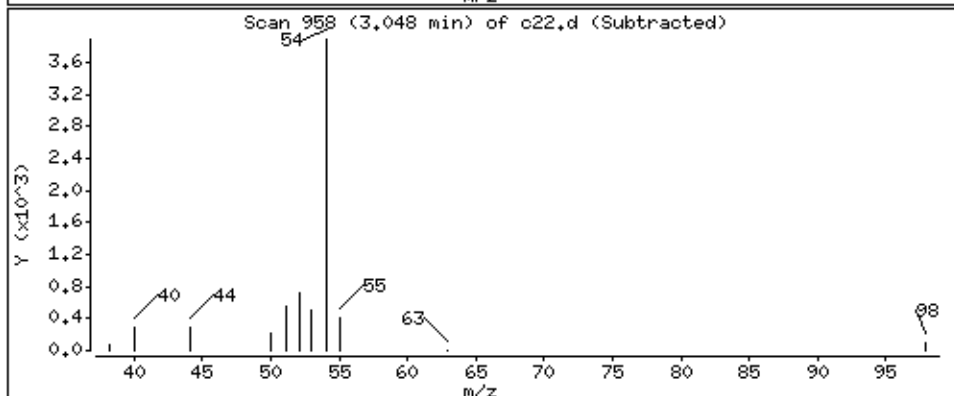
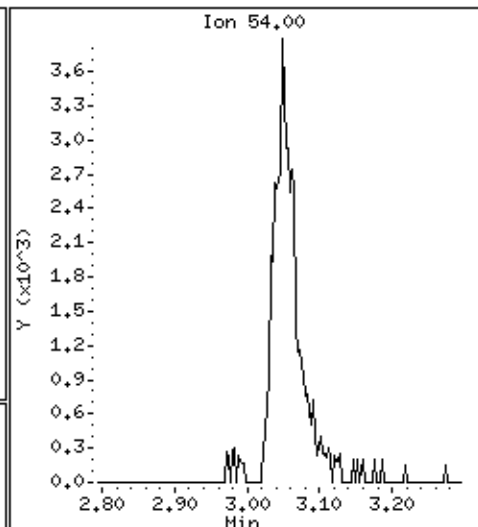
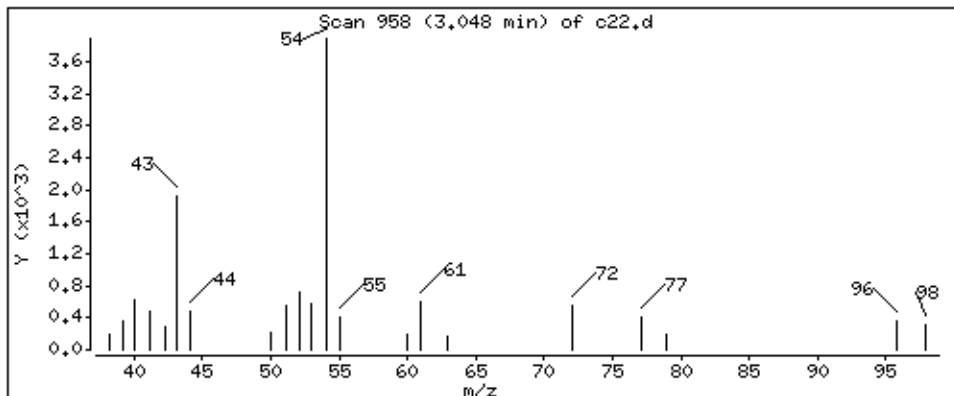
Operator: amv

Column phase: DB-624

Column diameter: 0,18

31 Propionitrile

Concentration: 41.1 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

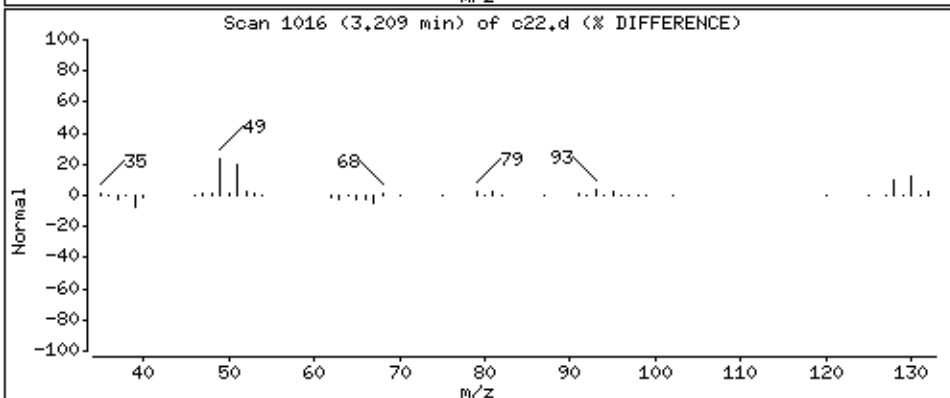
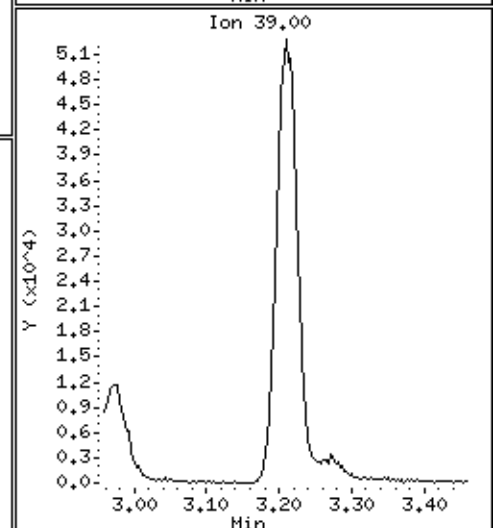
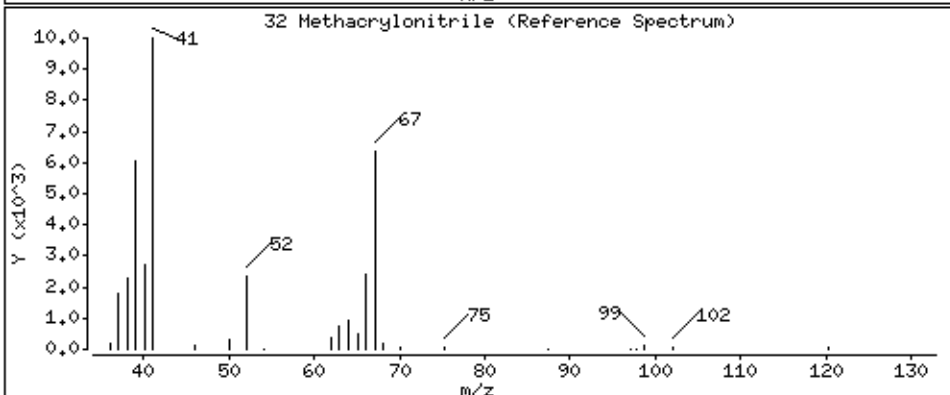
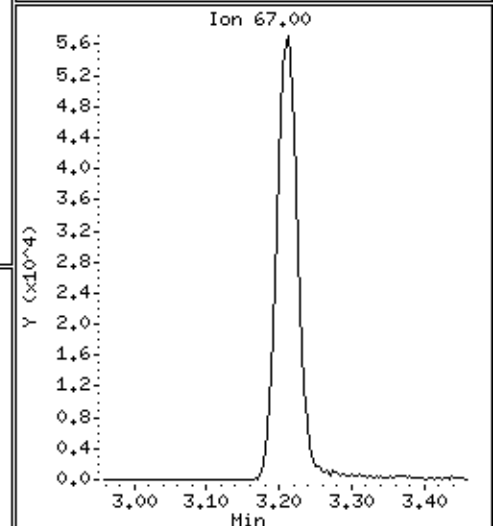
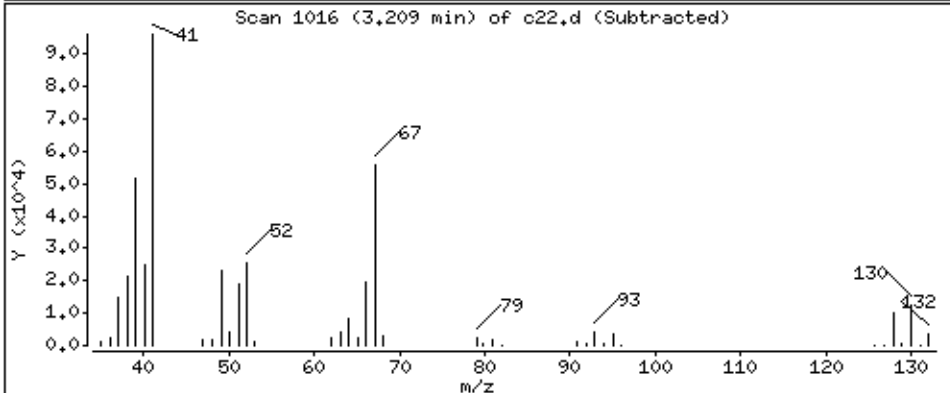
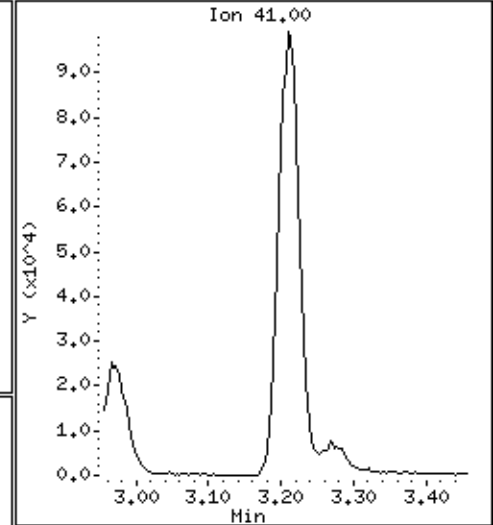
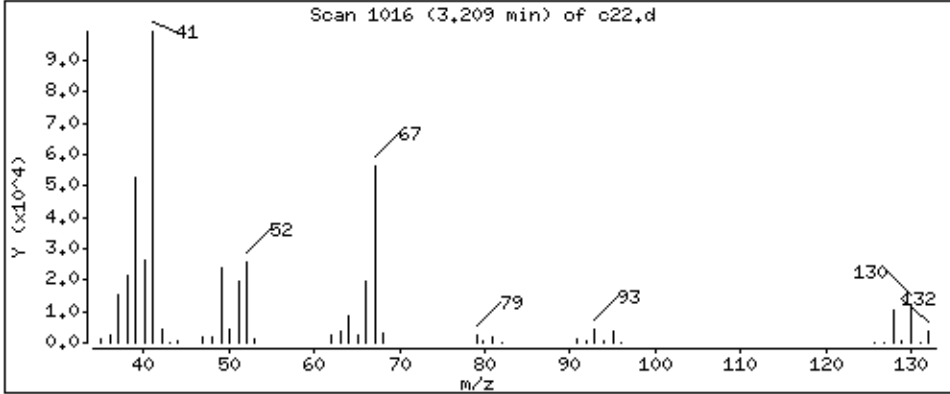
Operator: amv

Column phase: DB-624

Column diameter: 0,18

32 Methacrylonitrile

Concentration: 189 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

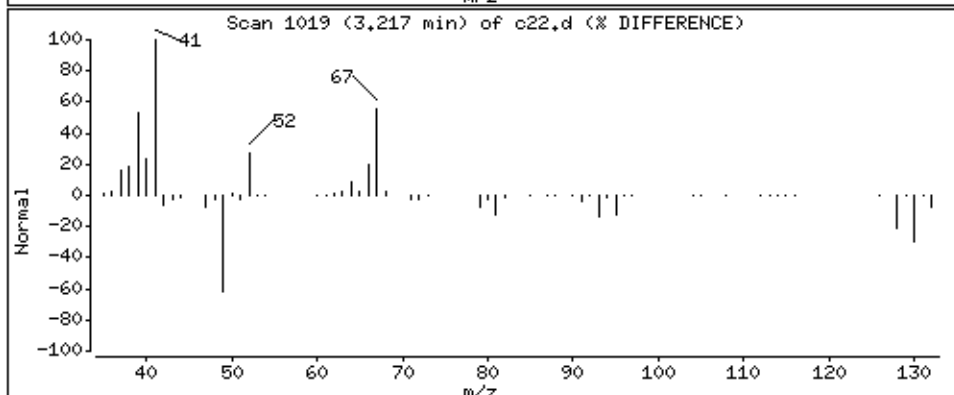
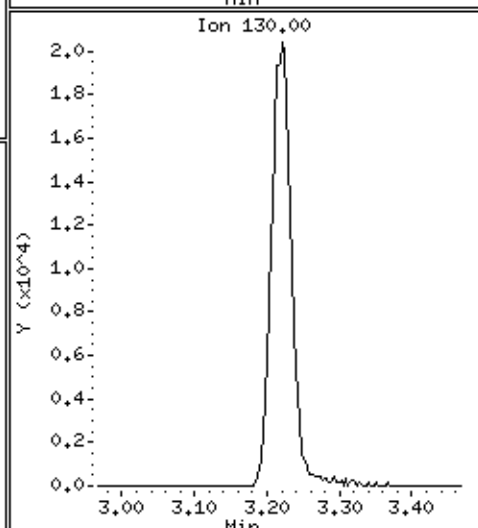
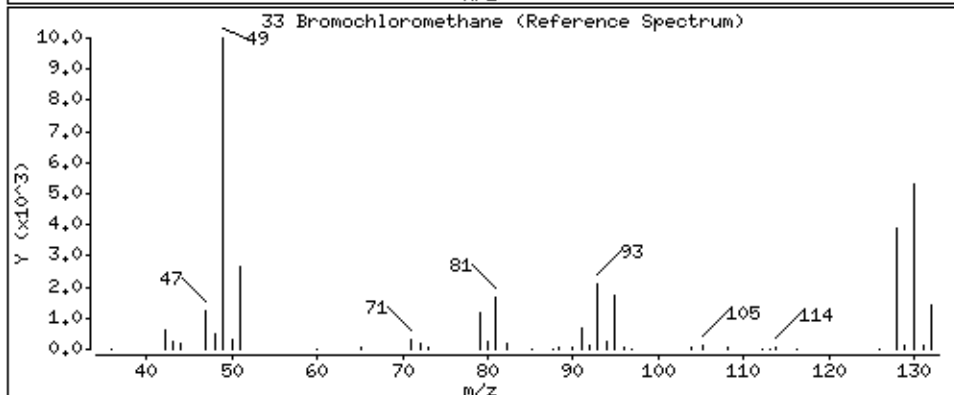
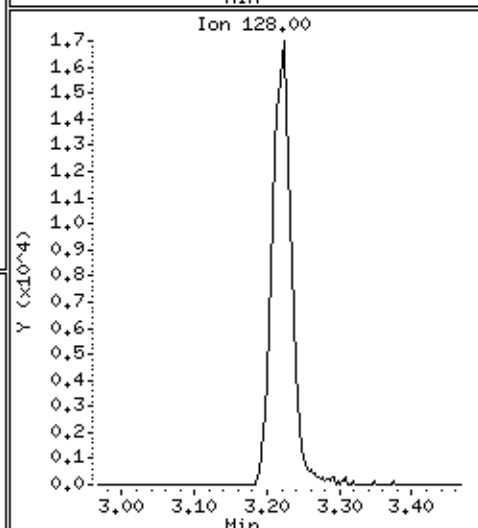
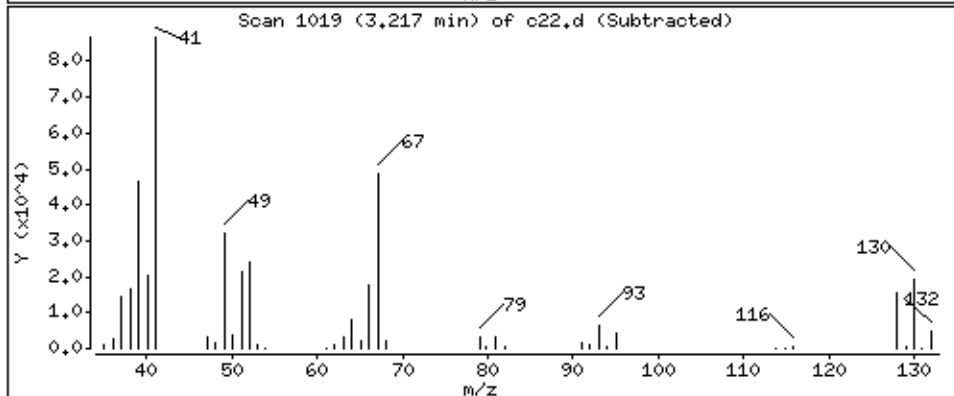
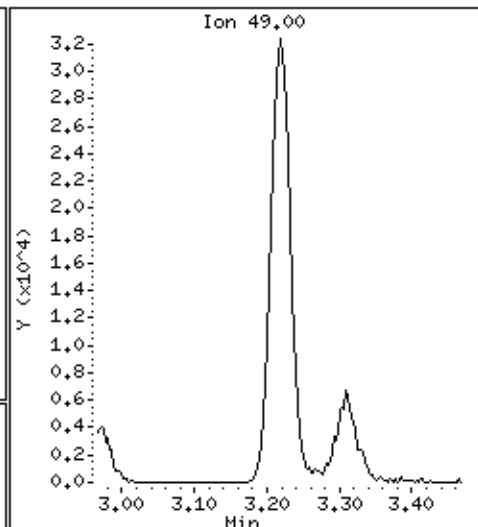
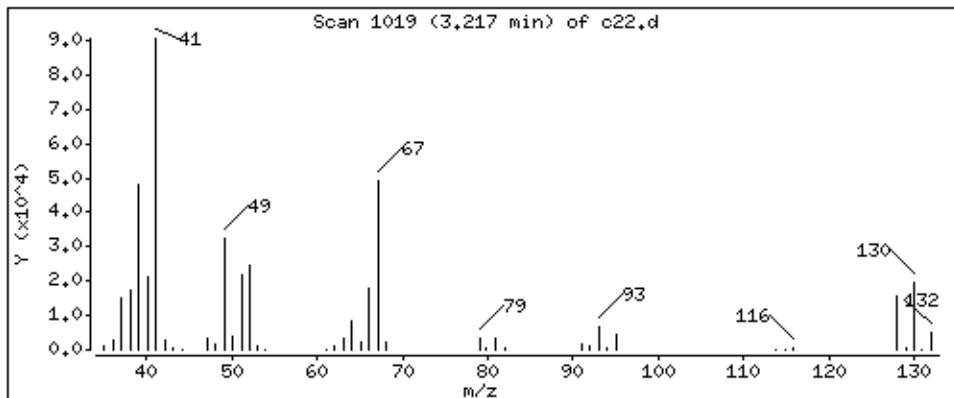
Operator: amv

Column phase: DB-624

Column diameter: 0,18

33 Bromochloromethane

Concentration: 46,7 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

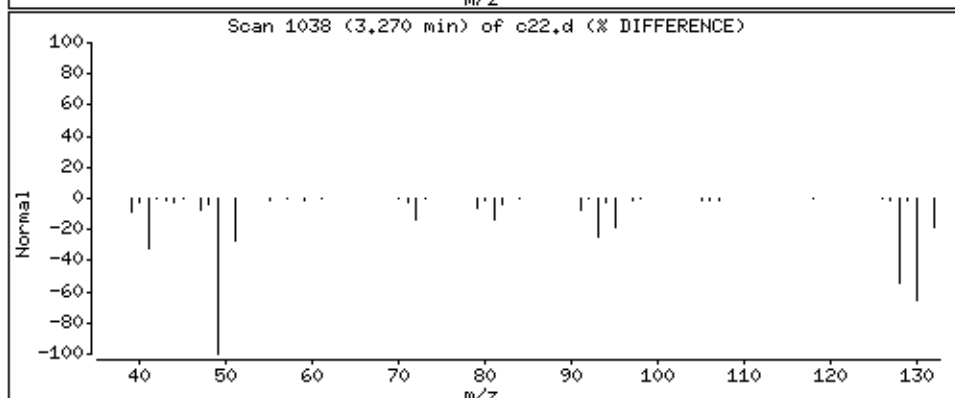
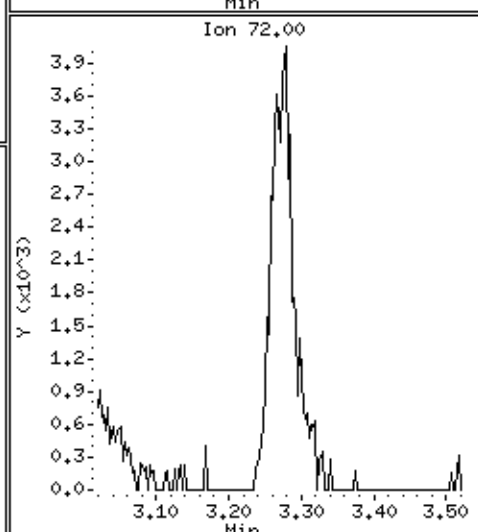
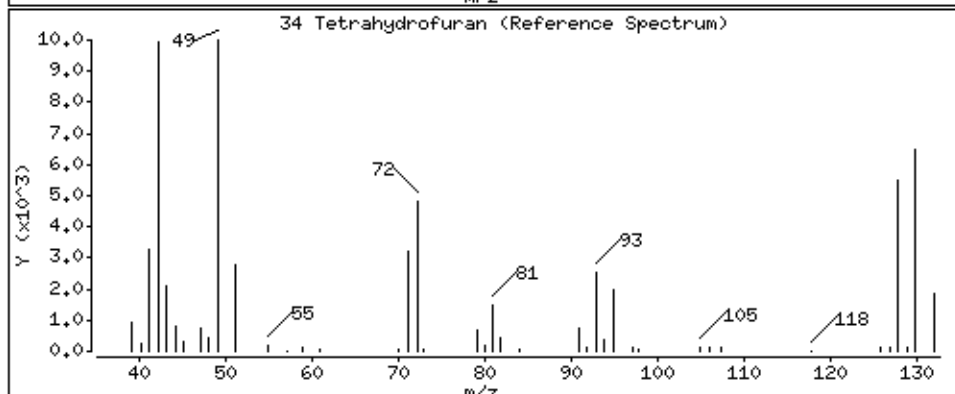
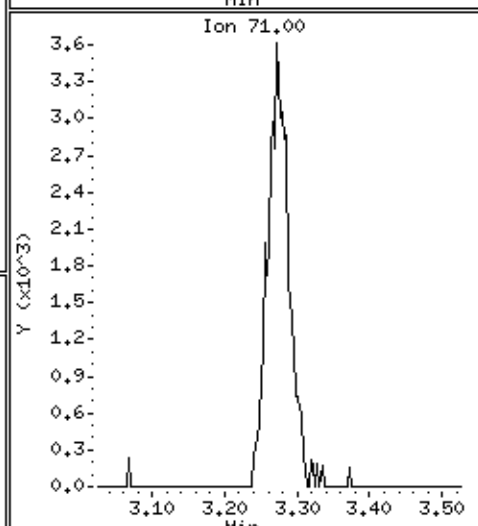
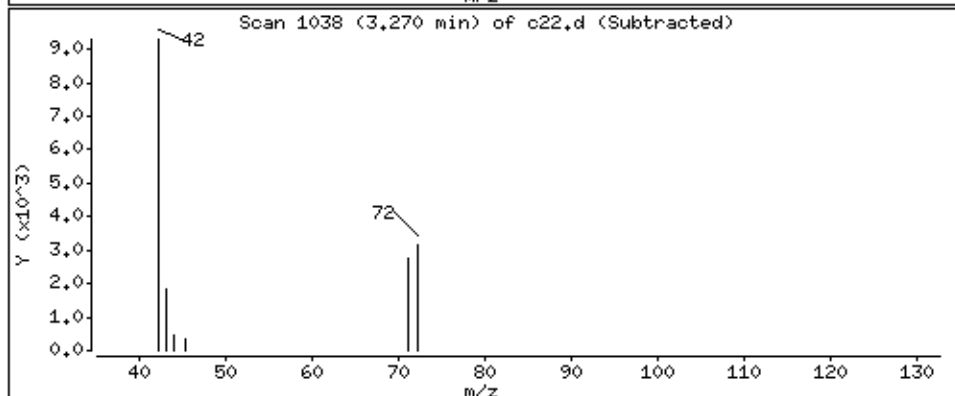
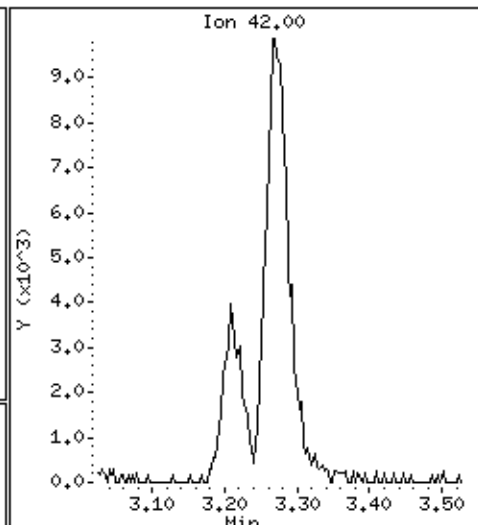
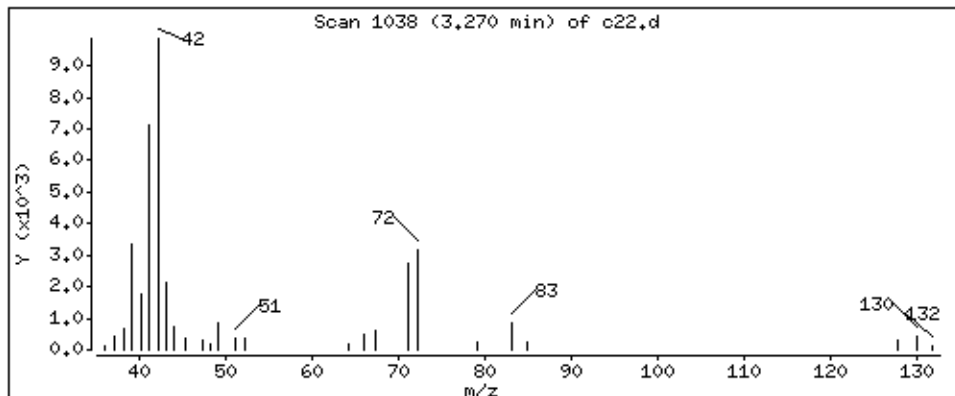
Operator: amv

Column phase: DB-624

Column diameter: 0,18

34 Tetrahydrofuran

Concentration: 42.9 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

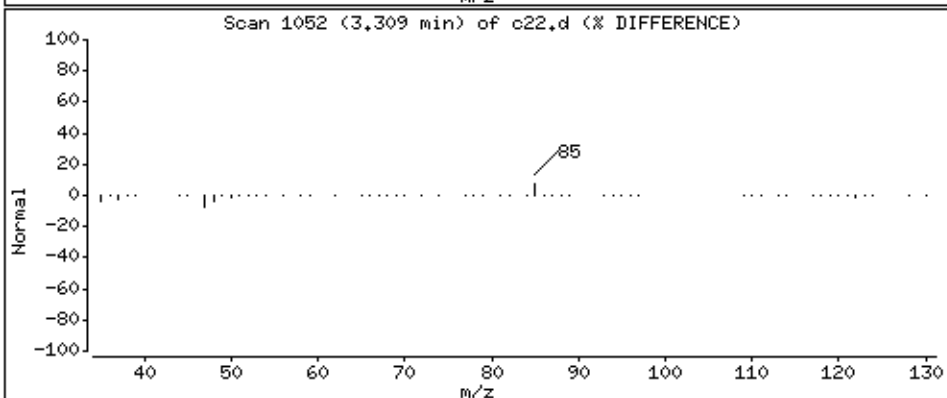
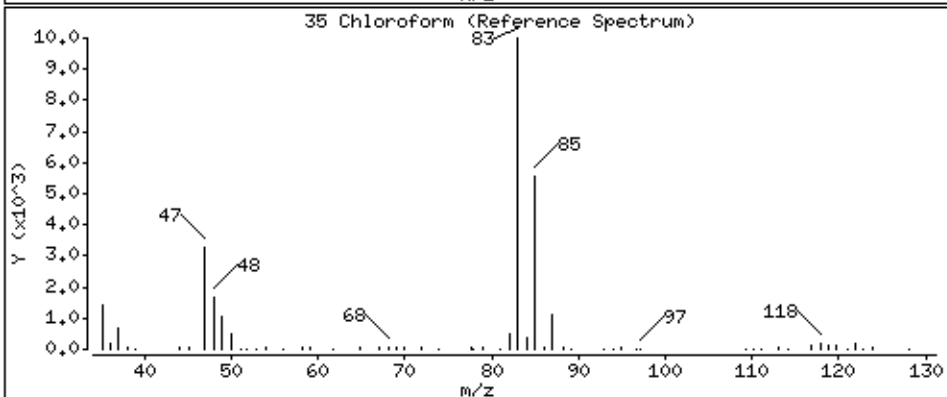
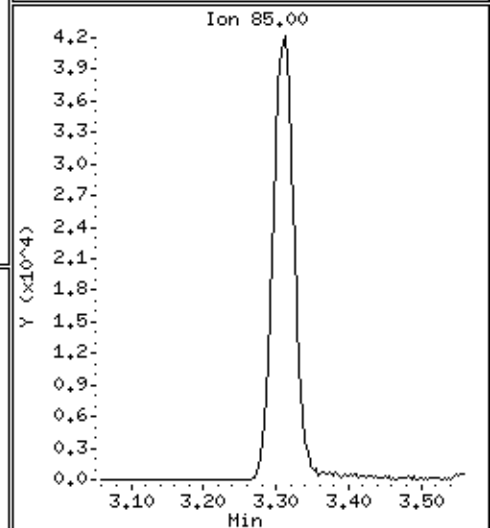
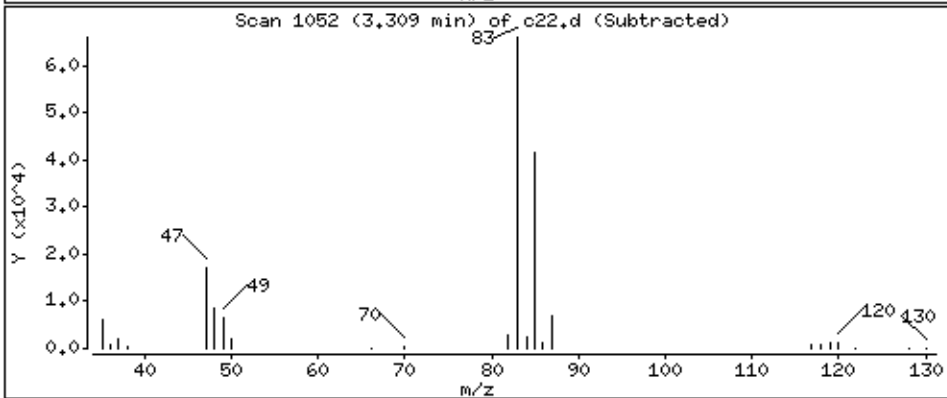
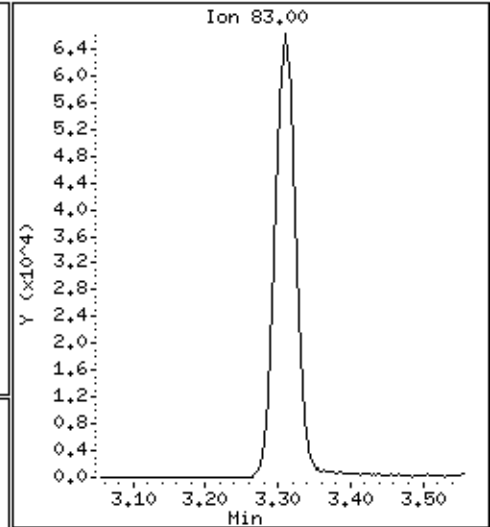
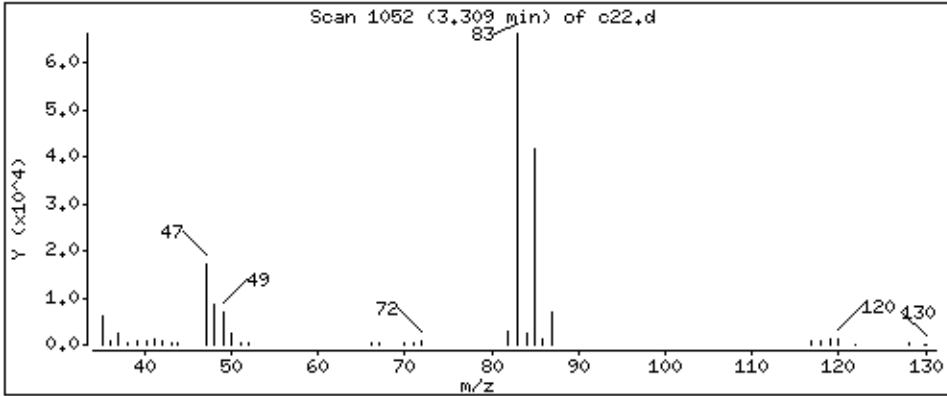
Operator: amv

Column phase: DB-624

Column diameter: 0,18

35 Chloroform

Concentration: 48,7 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

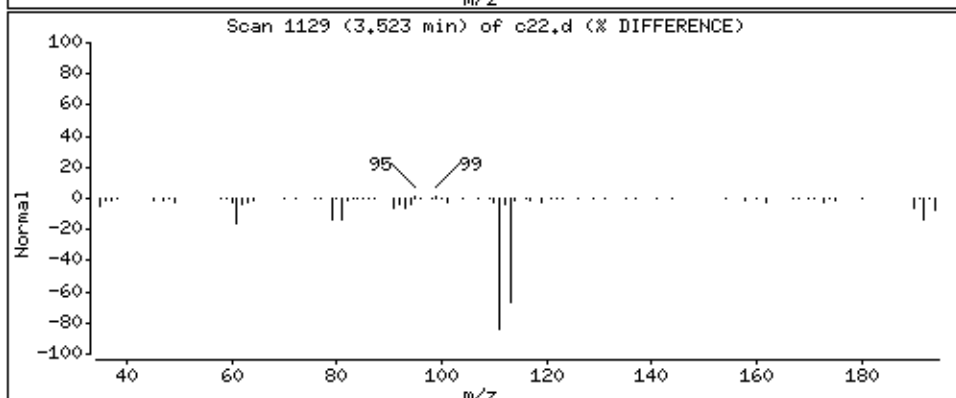
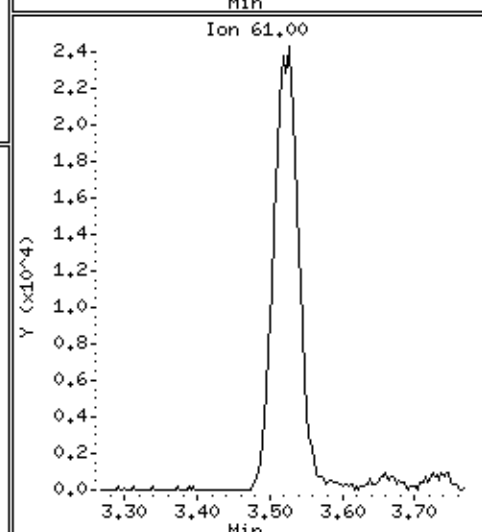
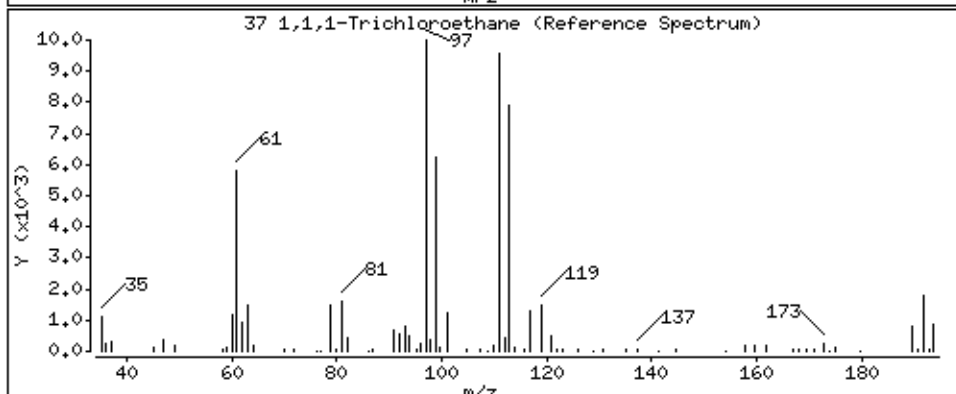
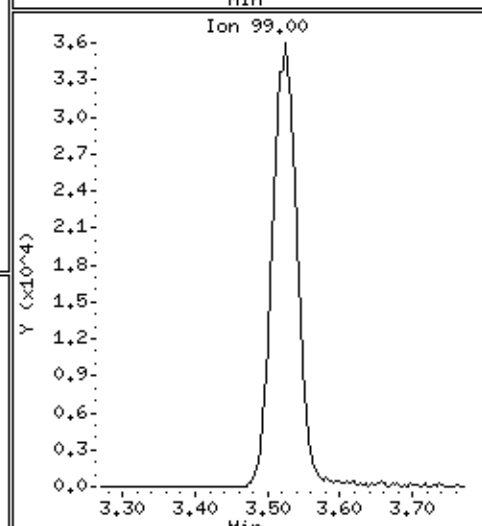
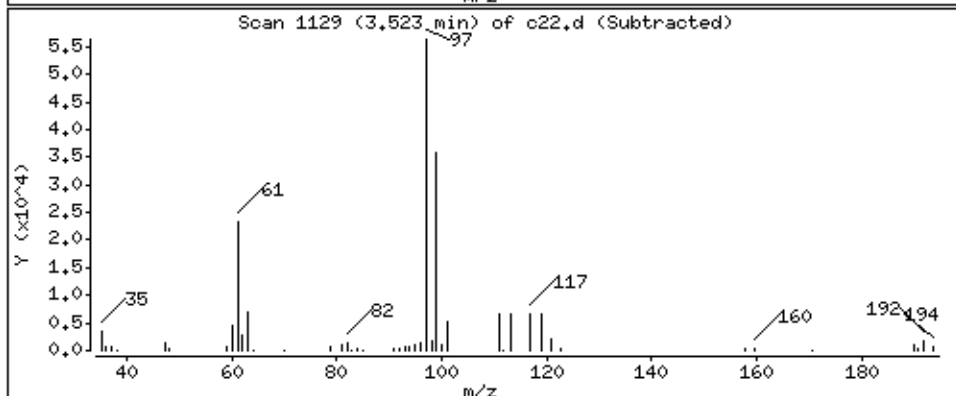
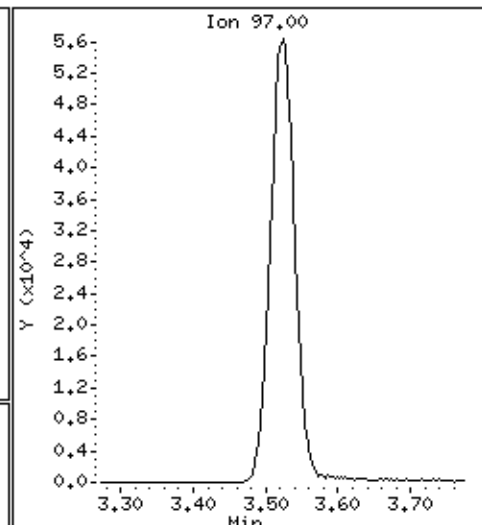
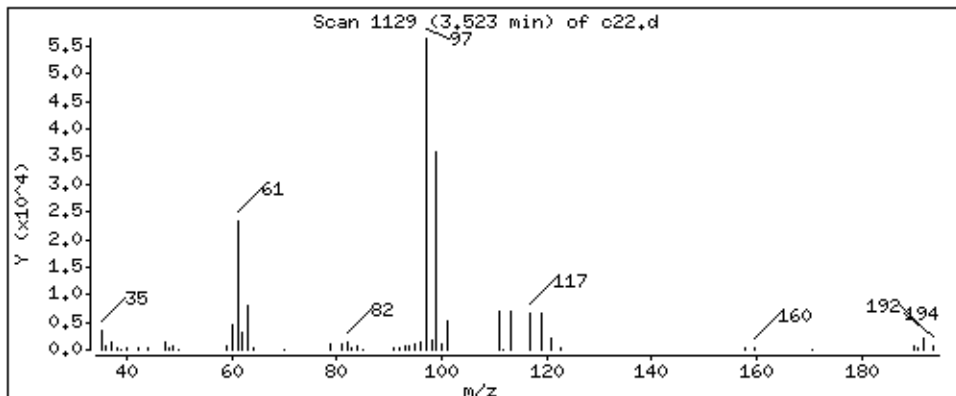
Operator: amv

Column phase: DB-624

Column diameter: 0,18

37 1,1,1-Trichloroethane

Concentration: 56,3 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

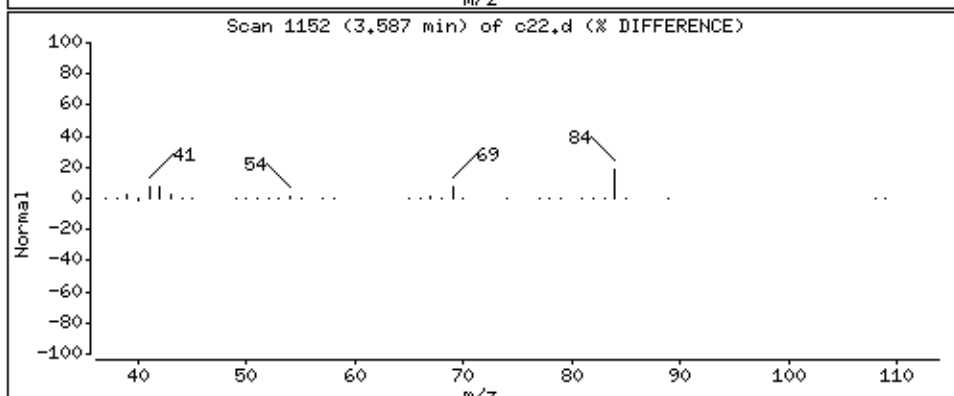
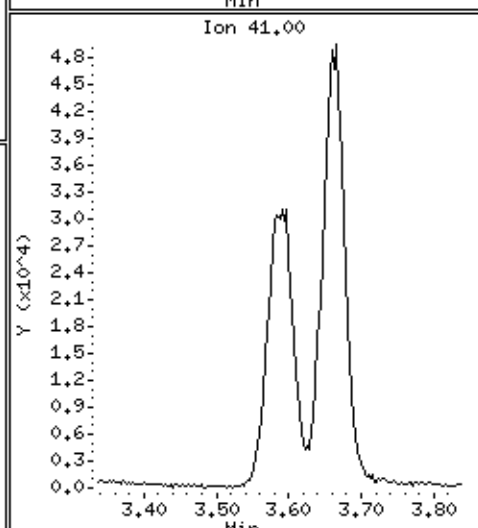
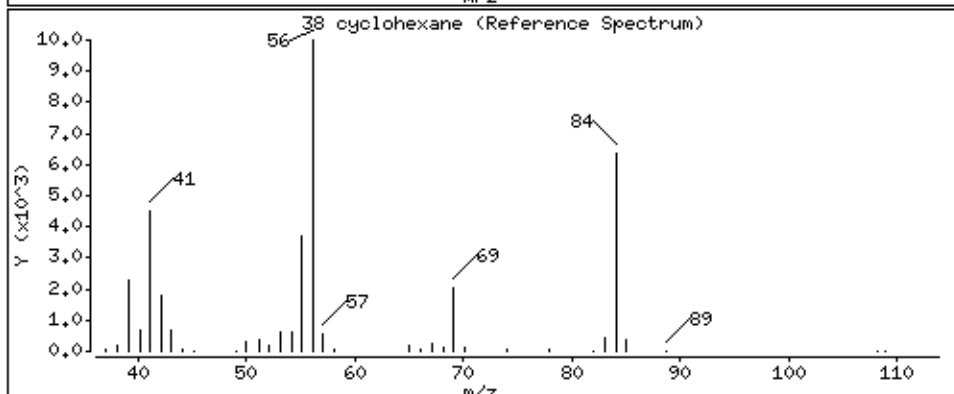
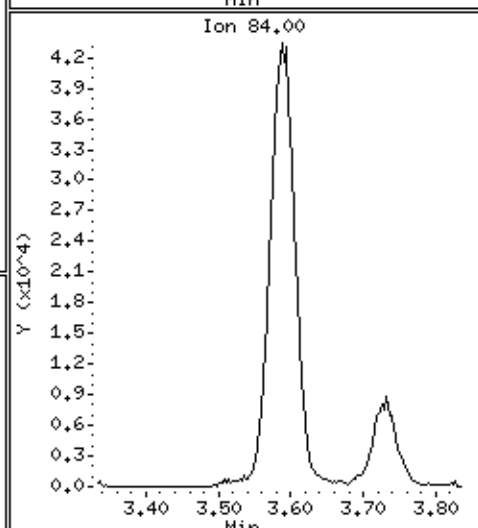
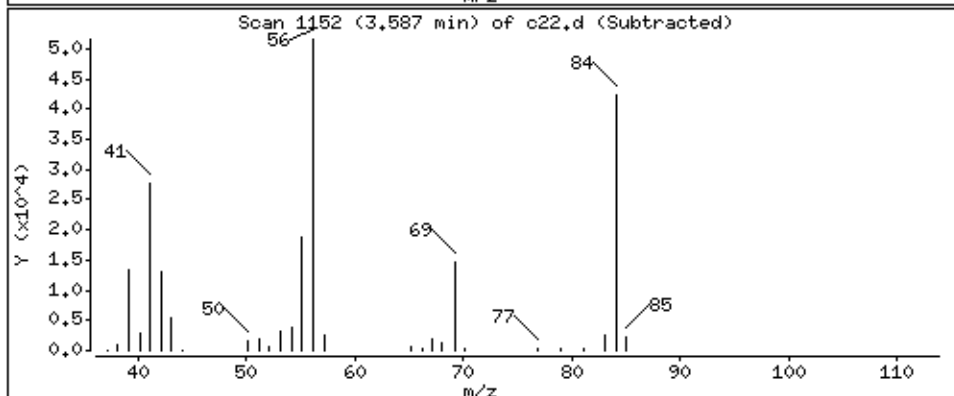
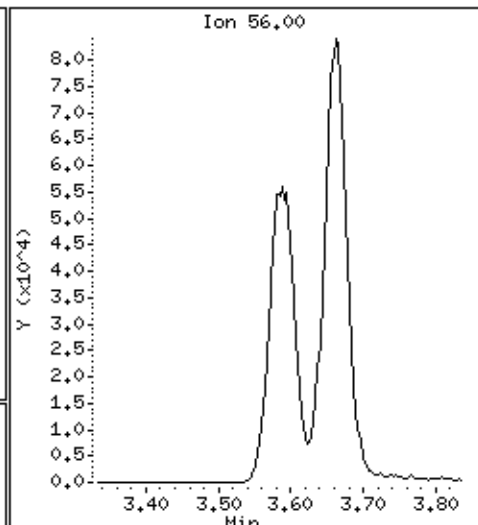
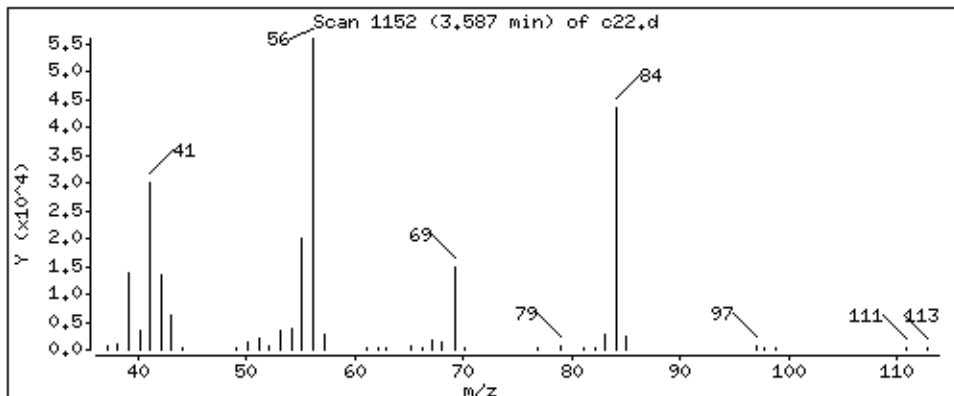
Operator: amv

Column phase: DB-624

Column diameter: 0.18

38 cyclohexane

Concentration: 42.0 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

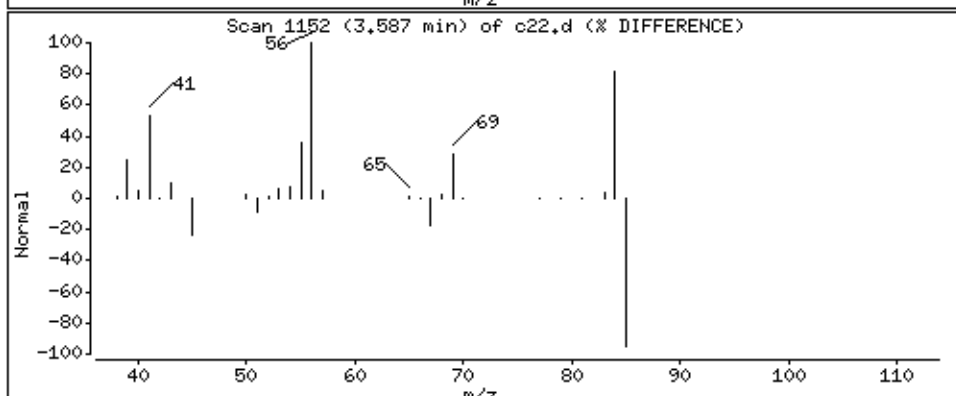
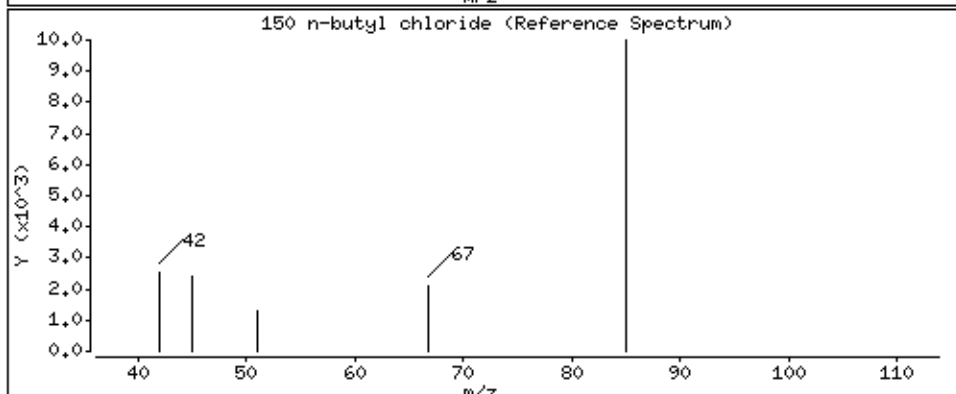
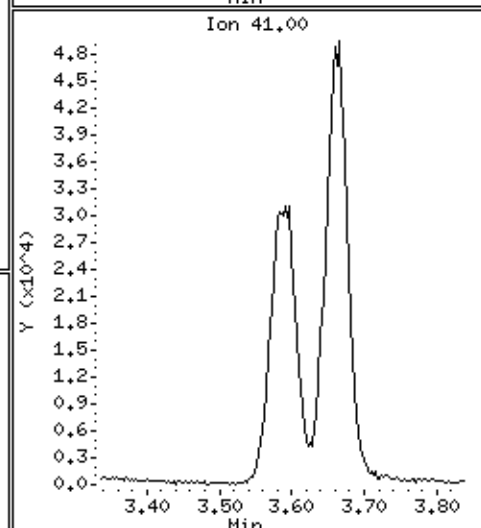
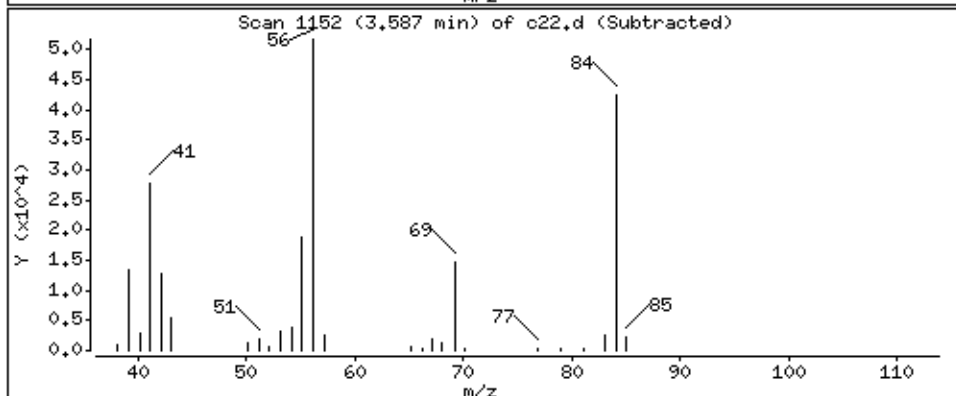
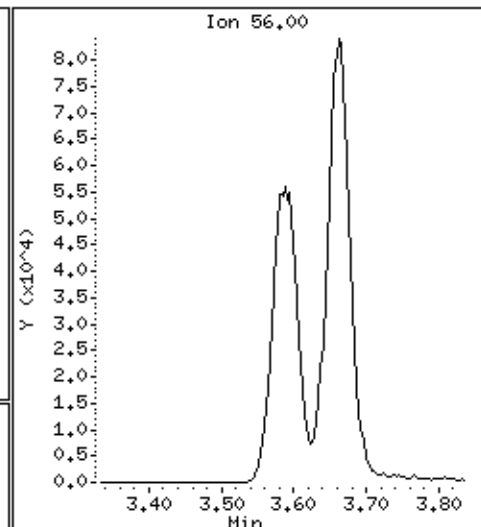
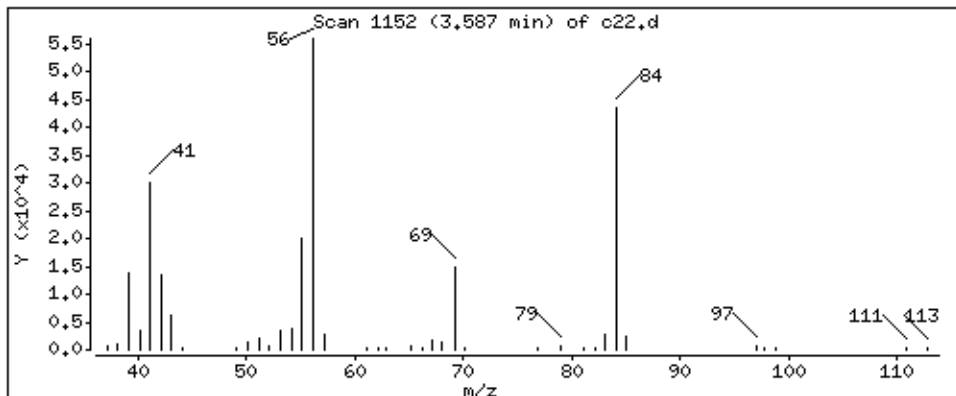
Operator: amv

Column phase: DB-624

Column diameter: 0,18

150 n-butyl chloride

Concentration: 35,3 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

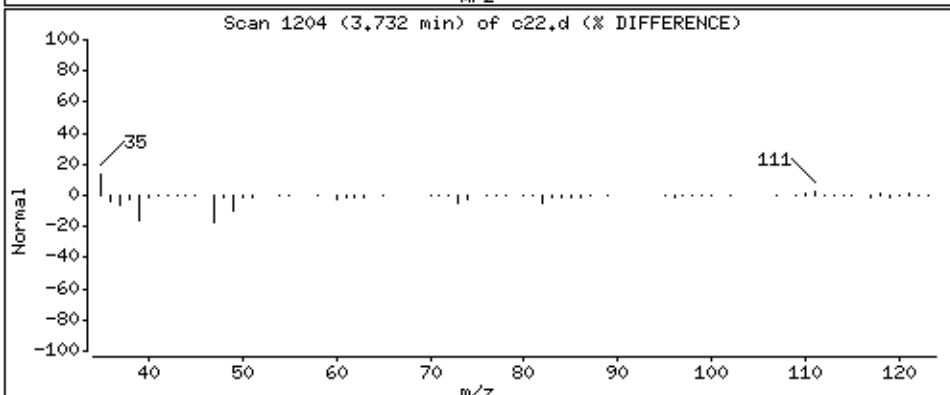
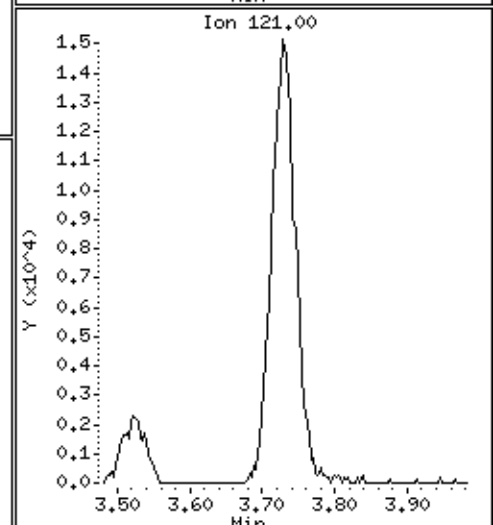
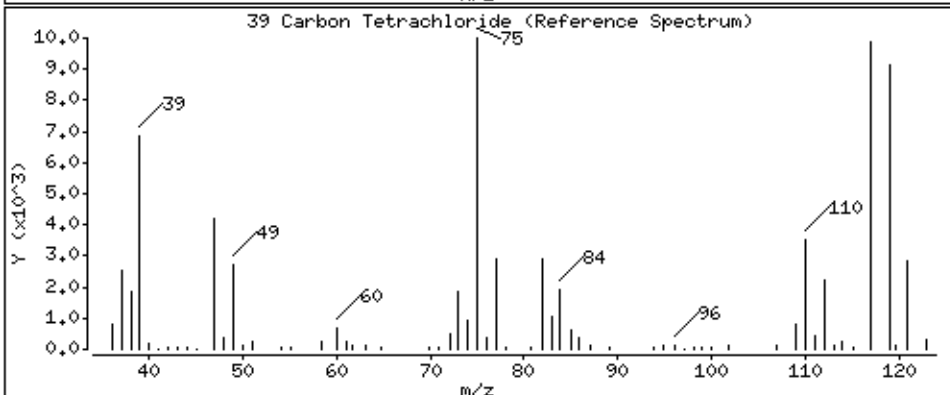
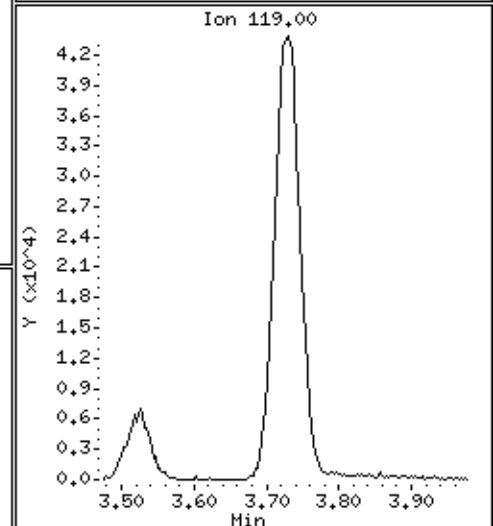
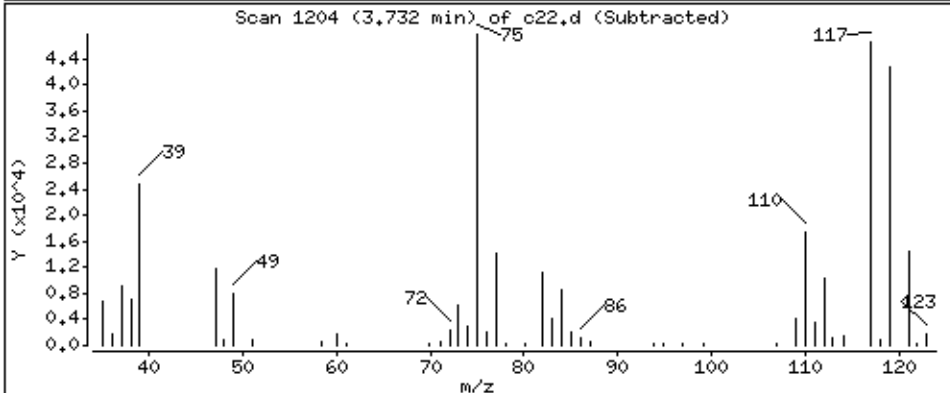
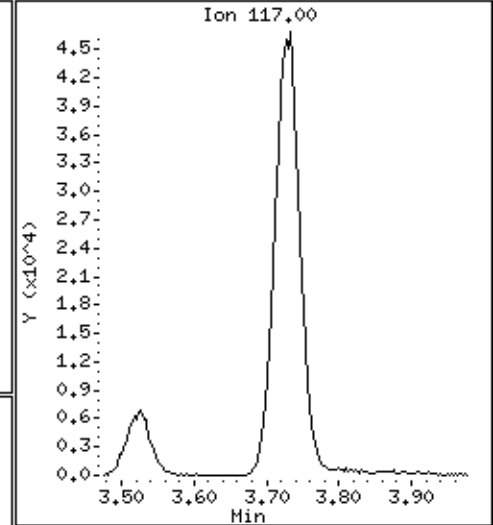
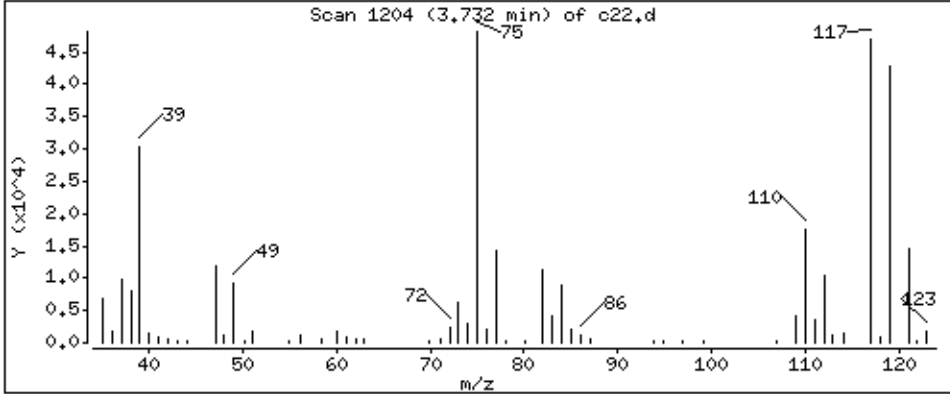
Operator: amv

Column phase: DB-624

Column diameter: 0,18

39 Carbon Tetrachloride

Concentration: 53,0 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

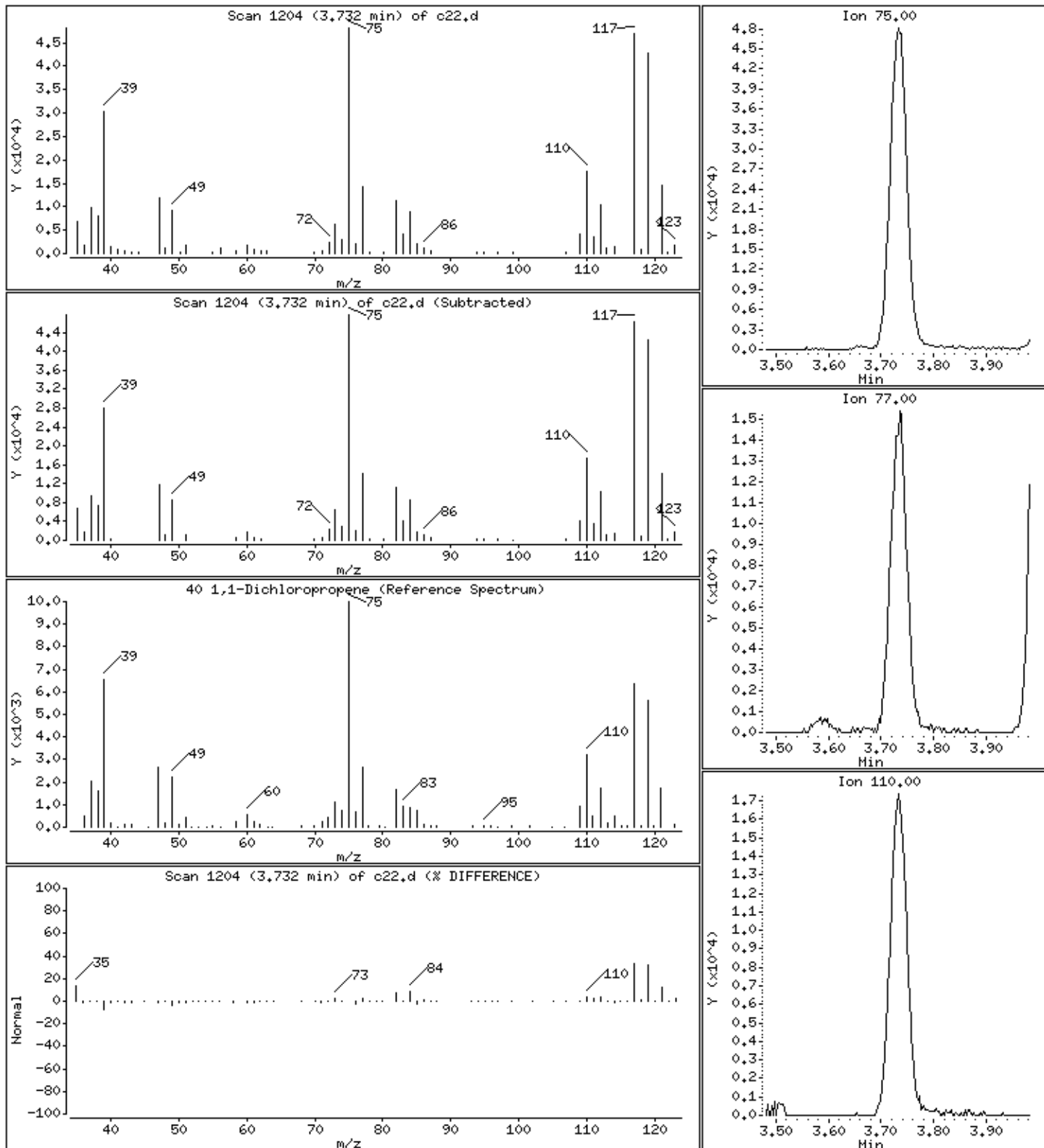
Operator: amv

Column phase: DB-624

Column diameter: 0,18

40 1,1-Dichloropropene

Concentration: 52.3 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

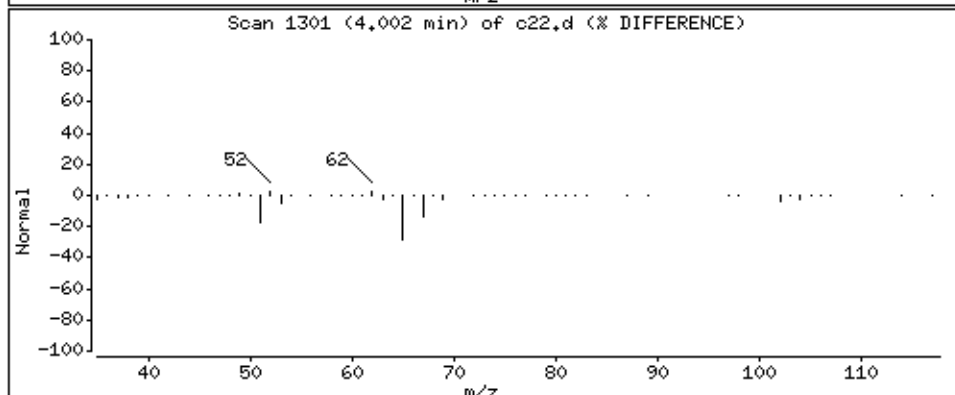
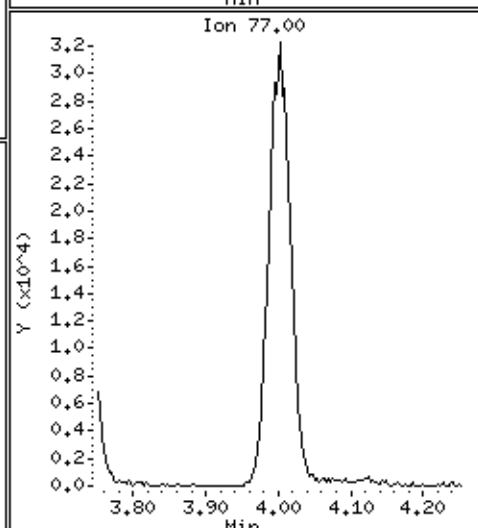
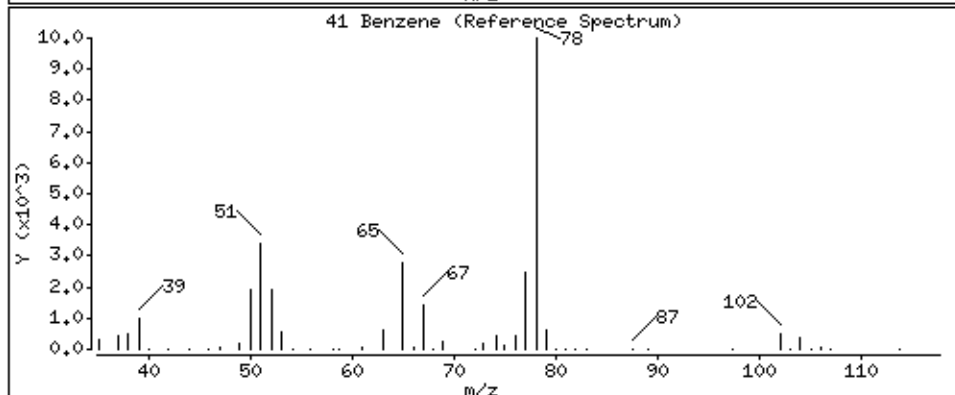
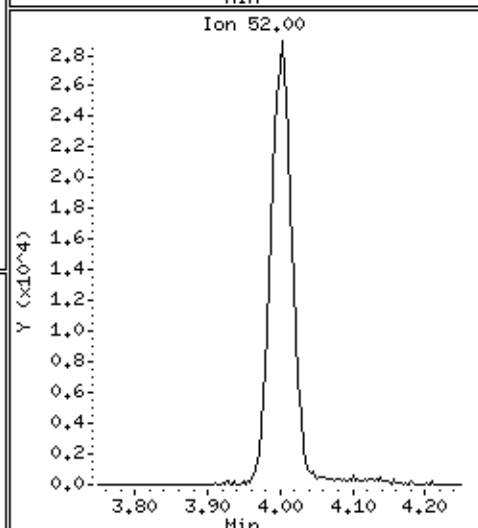
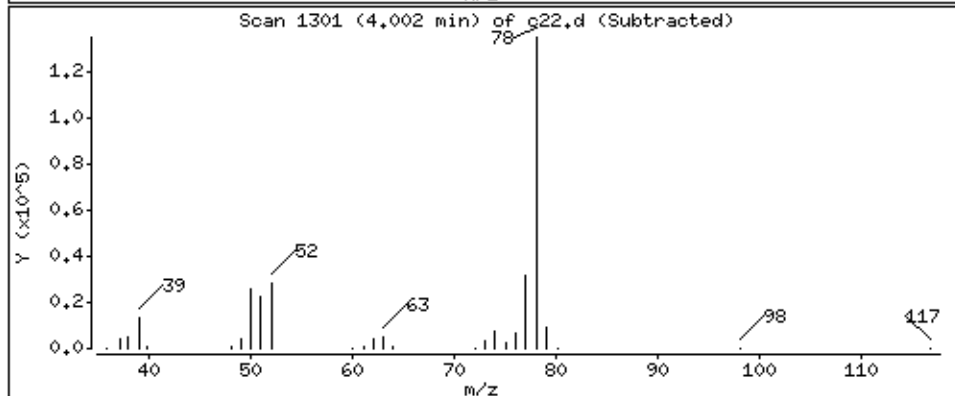
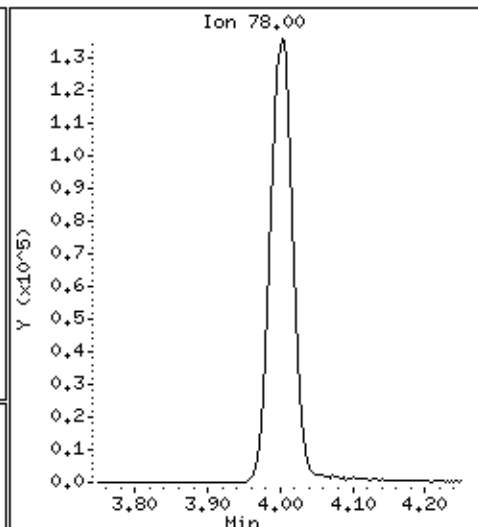
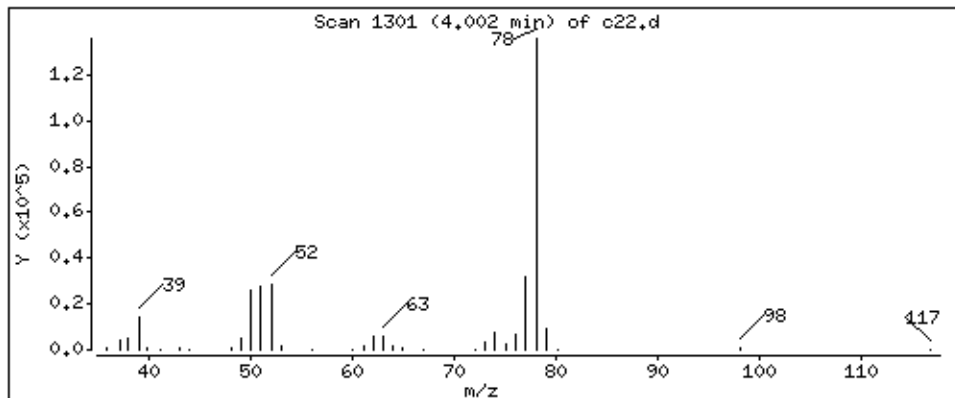
Operator: amv

Column phase: DB-624

Column diameter: 0,18

41 Benzene

Concentration: 51.6 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

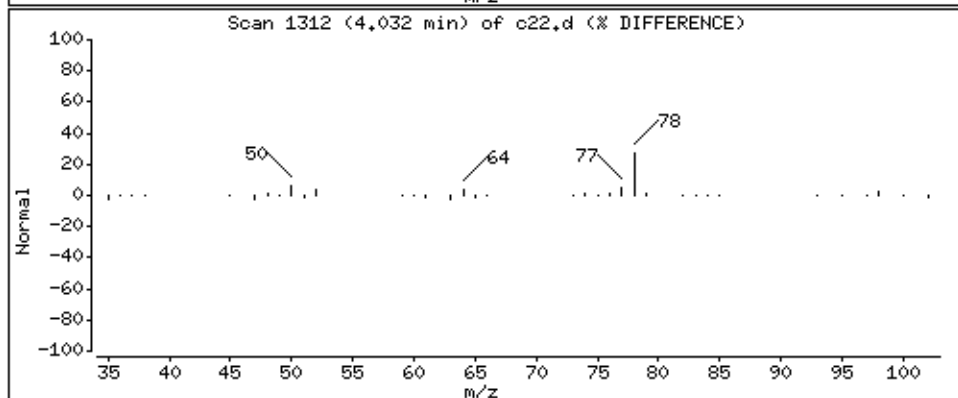
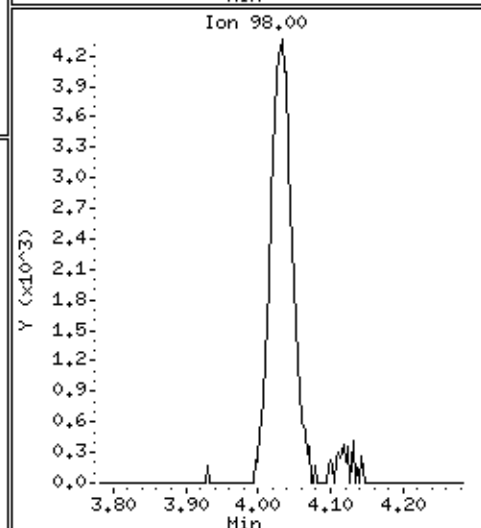
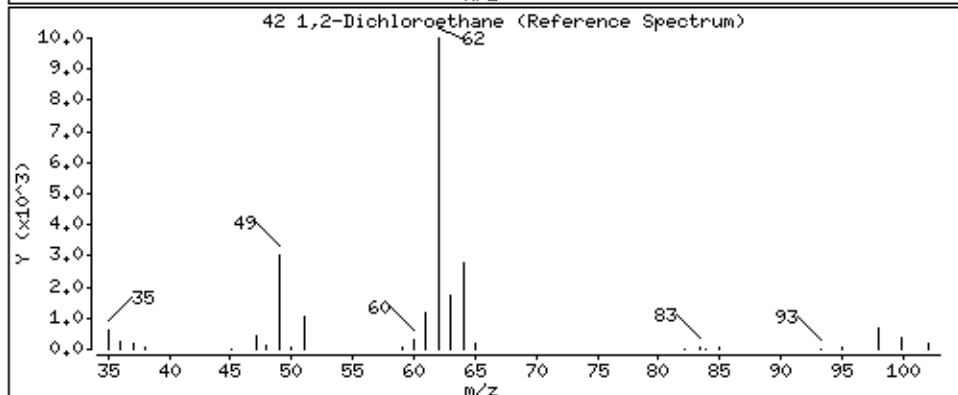
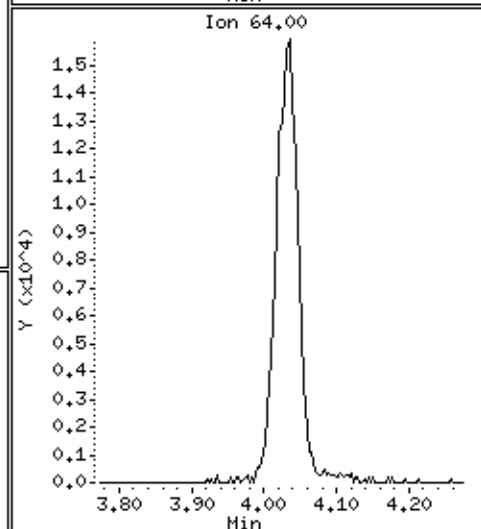
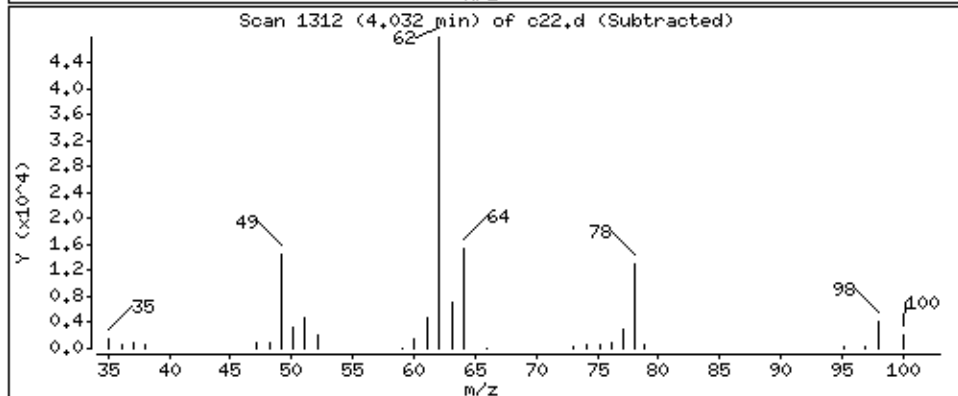
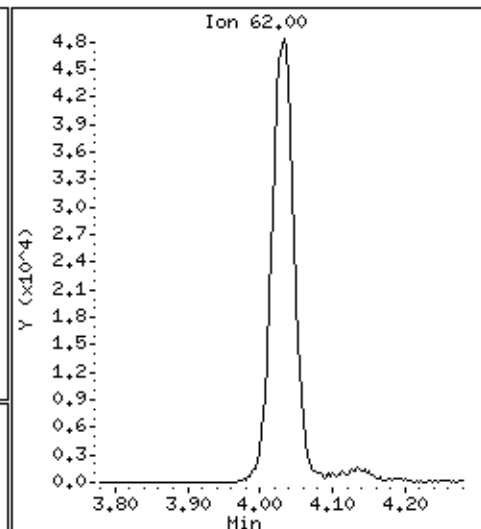
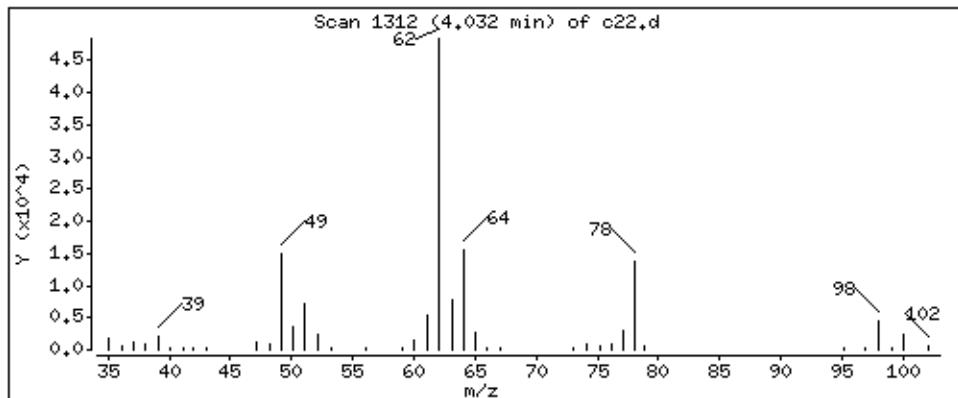
Operator: amv

Column phase: DB-624

Column diameter: 0,18

42 1,2-Dichloroethane

Concentration: 49.7 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

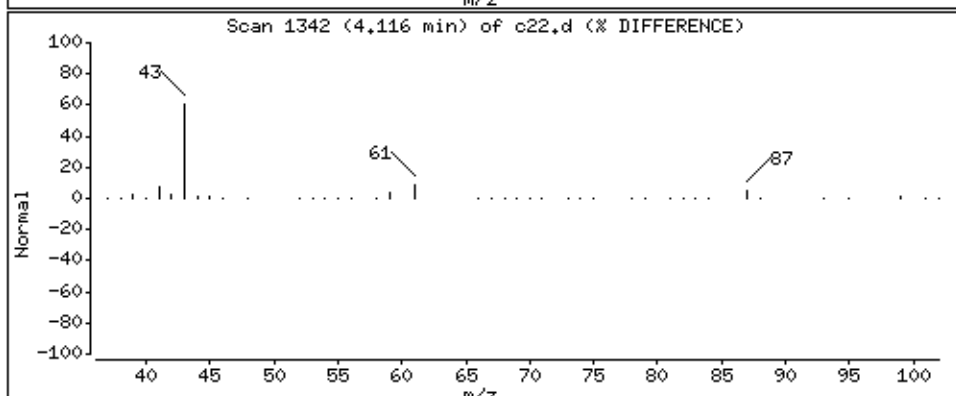
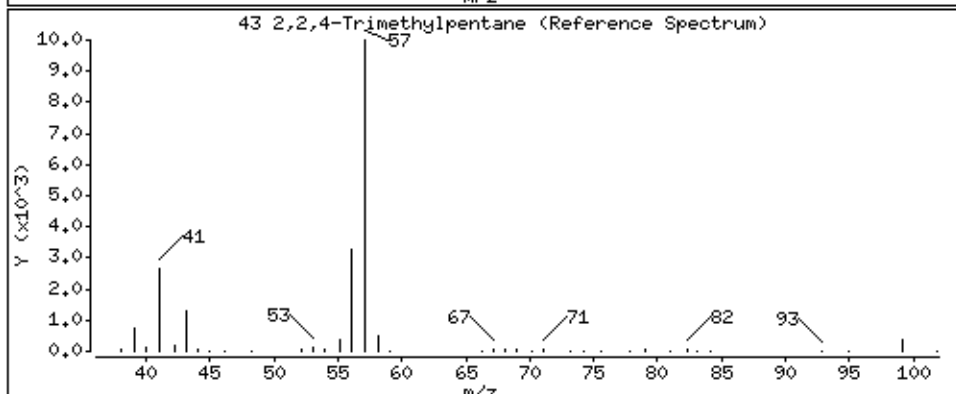
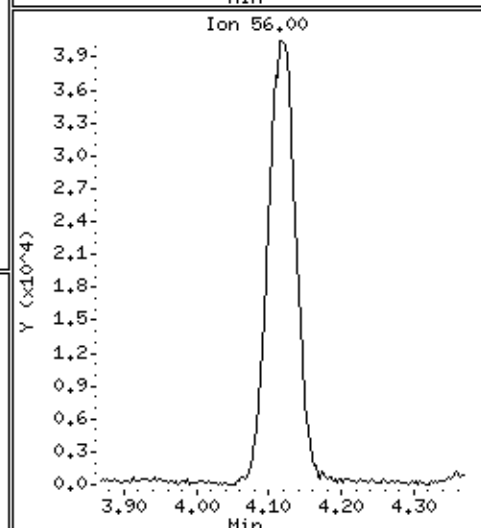
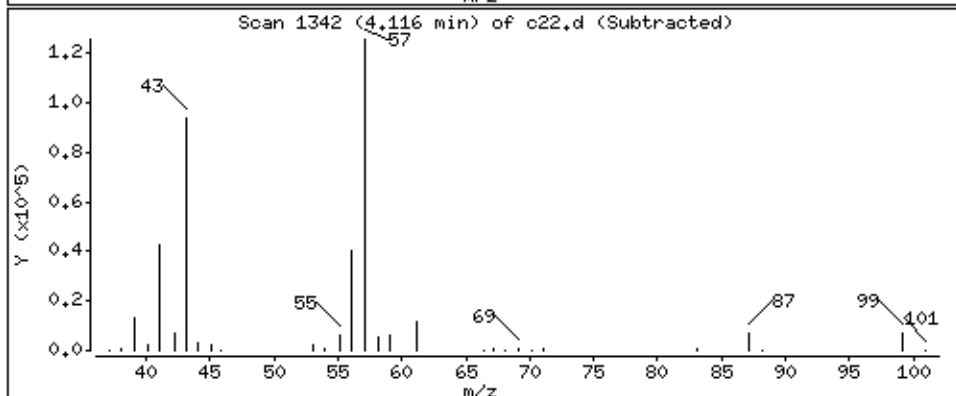
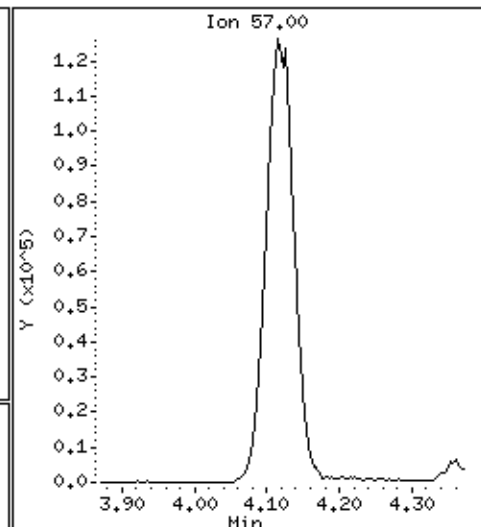
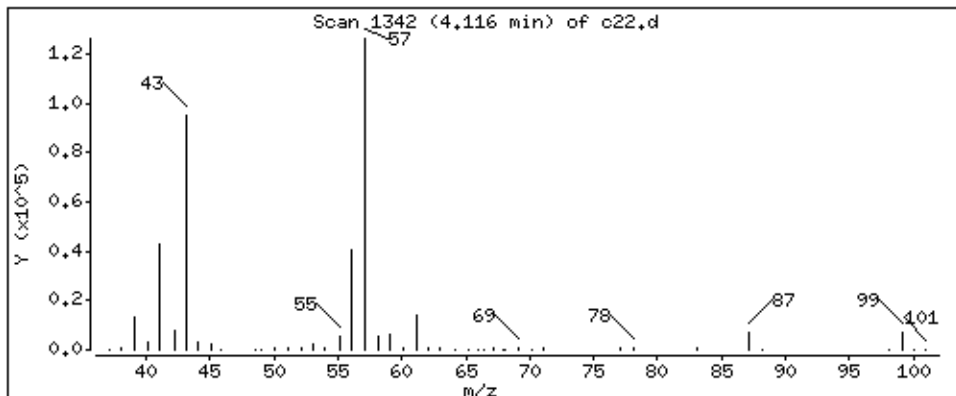
Operator: amv

Column phase: DB-624

Column diameter: 0.18

43 2,2,4-Trimethylpentane

Concentration: 52.6 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

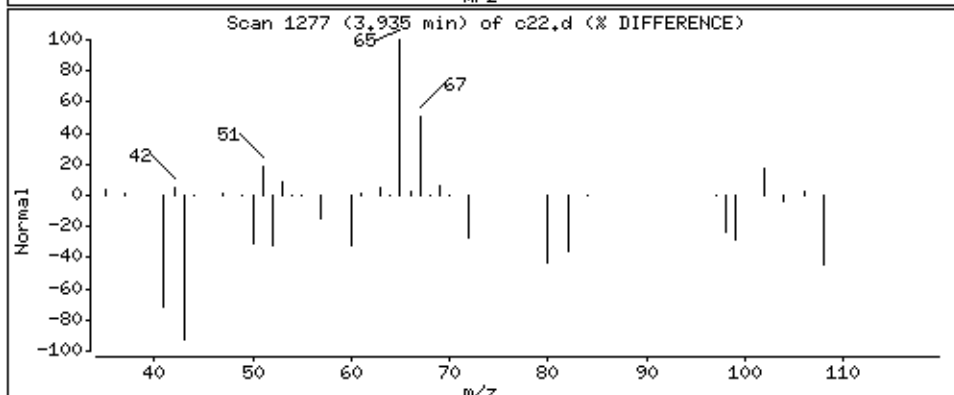
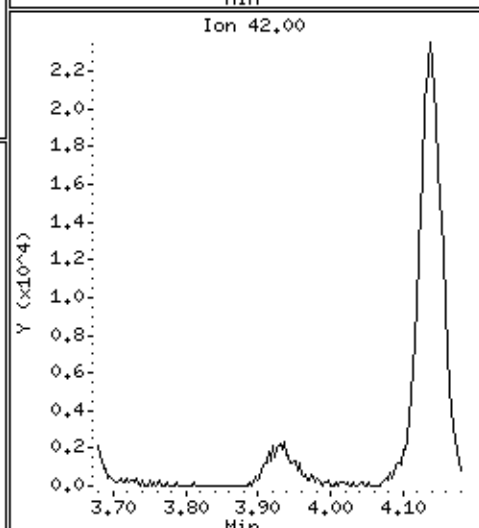
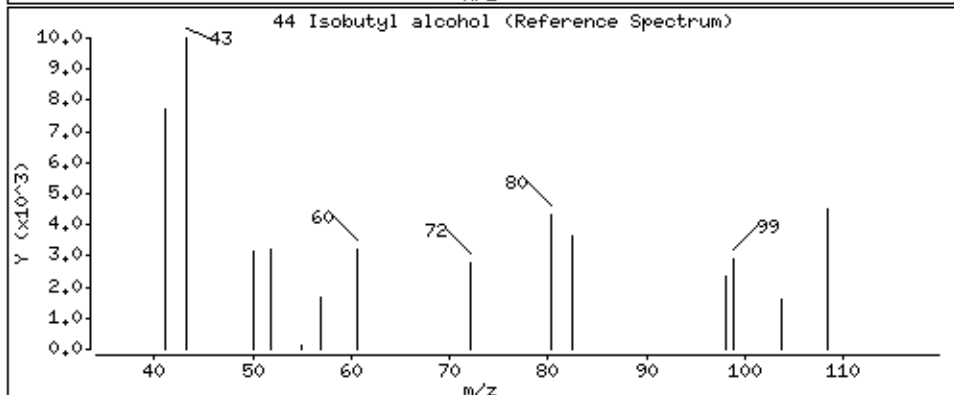
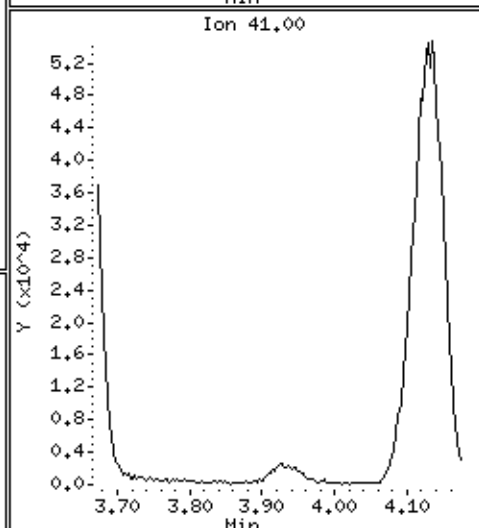
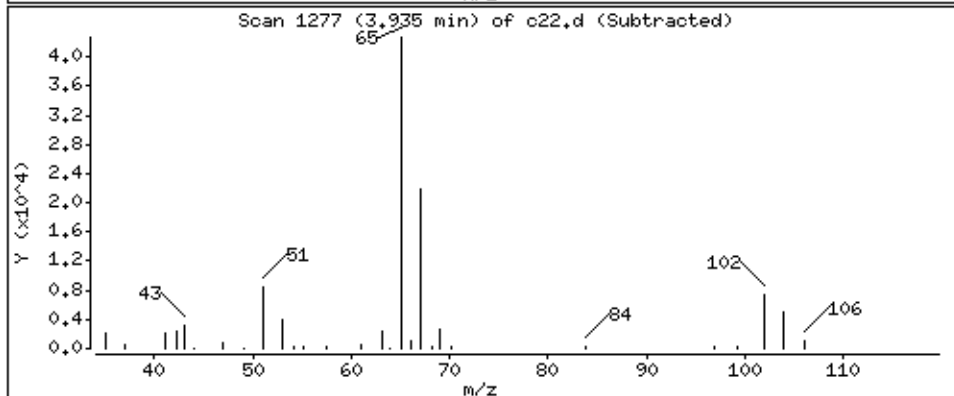
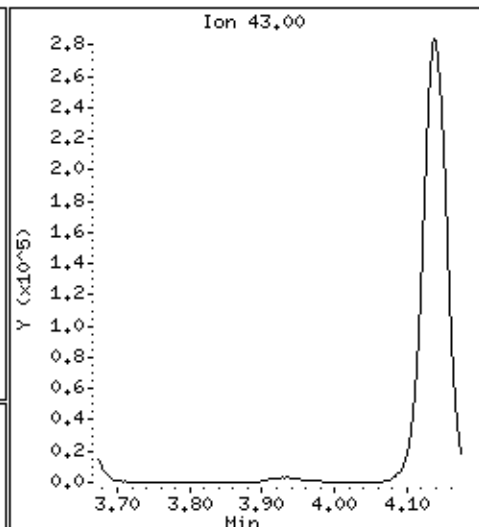
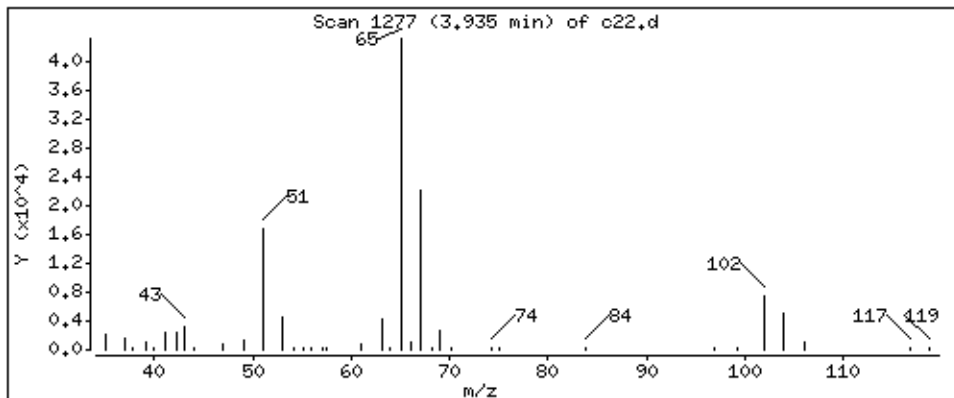
Operator: amv

Column phase: DB-624

Column diameter: 0,18

44 Isobutyl alcohol

Concentration: 207 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

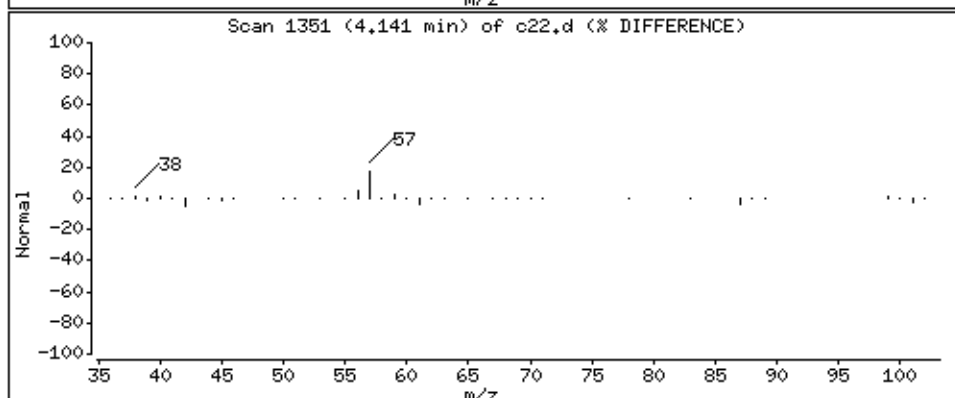
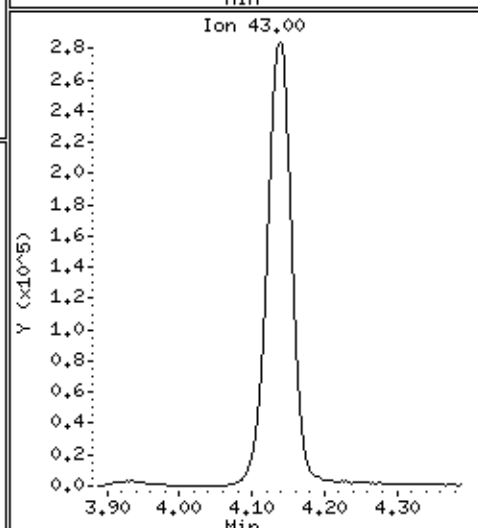
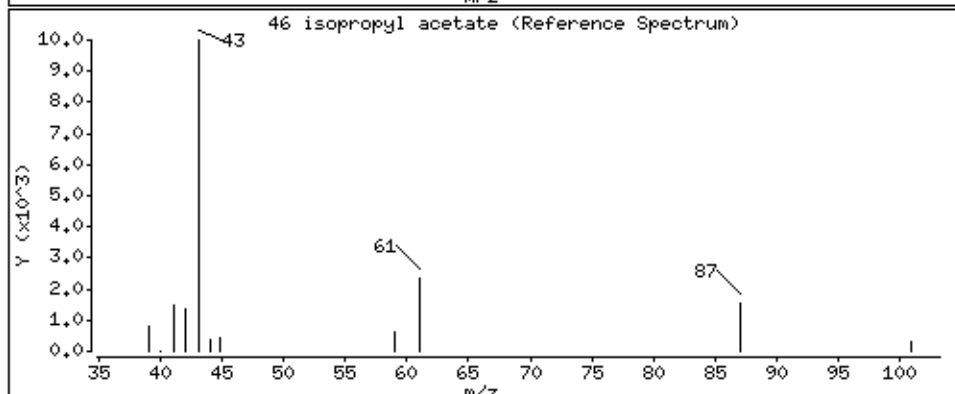
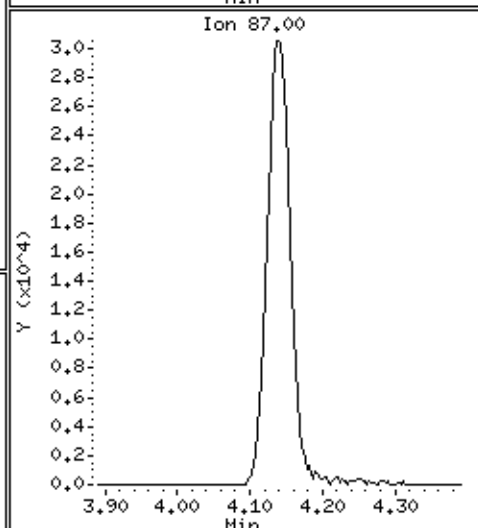
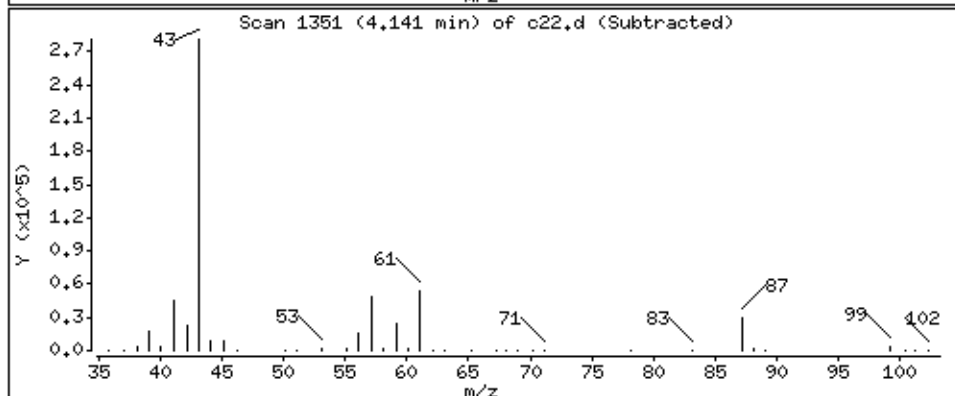
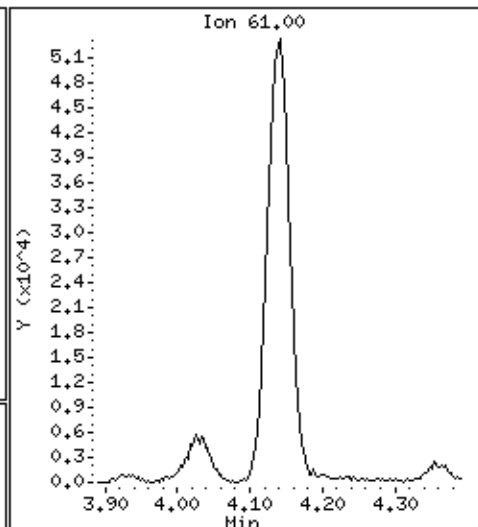
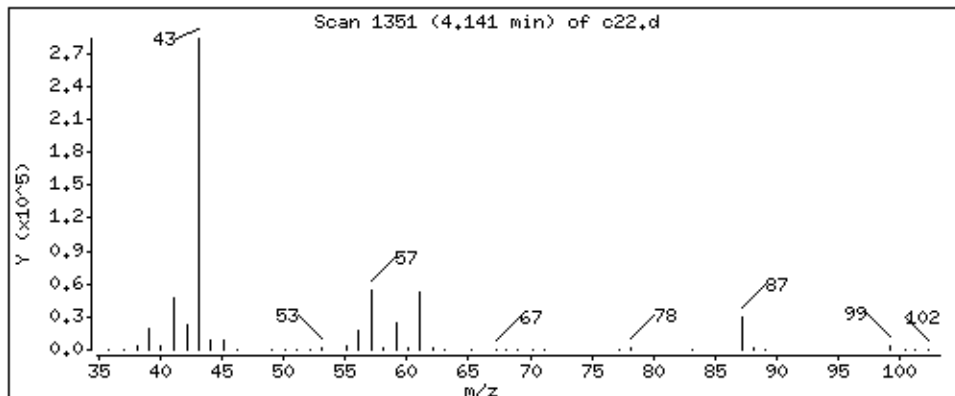
Operator: amv

Column phase: DB-624

Column diameter: 0,18

46 isopropyl acetate

Concentration: 206 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

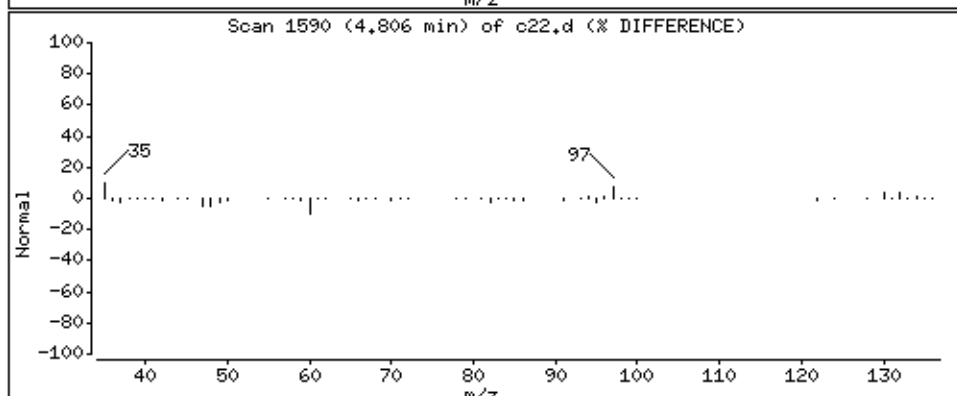
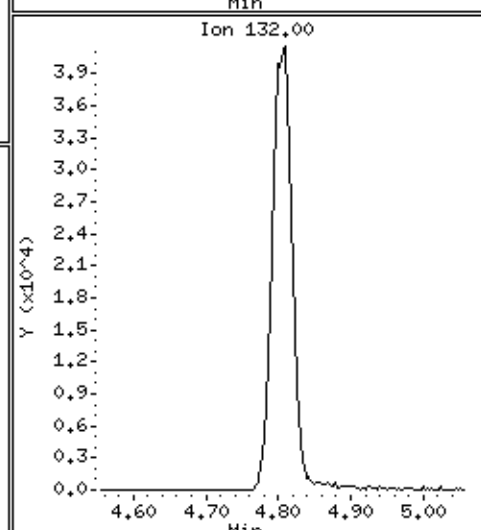
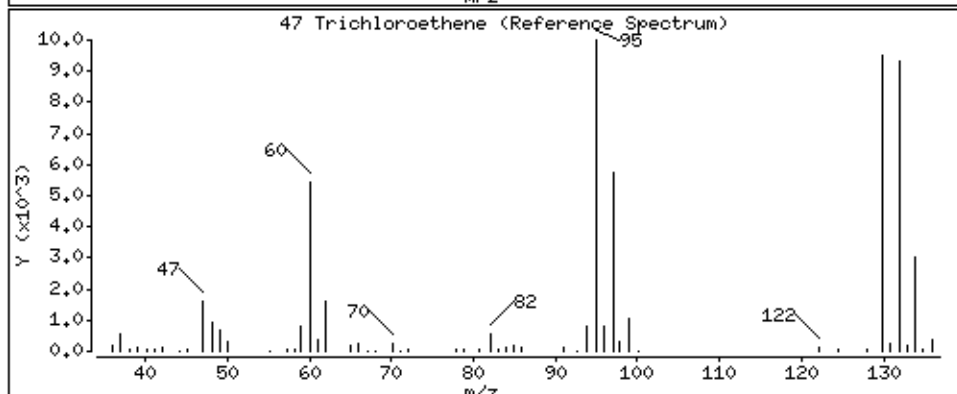
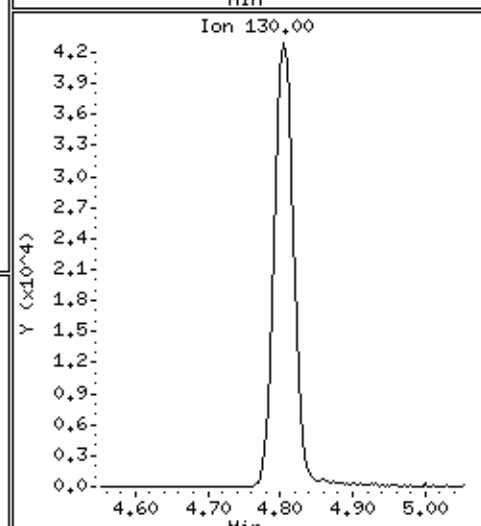
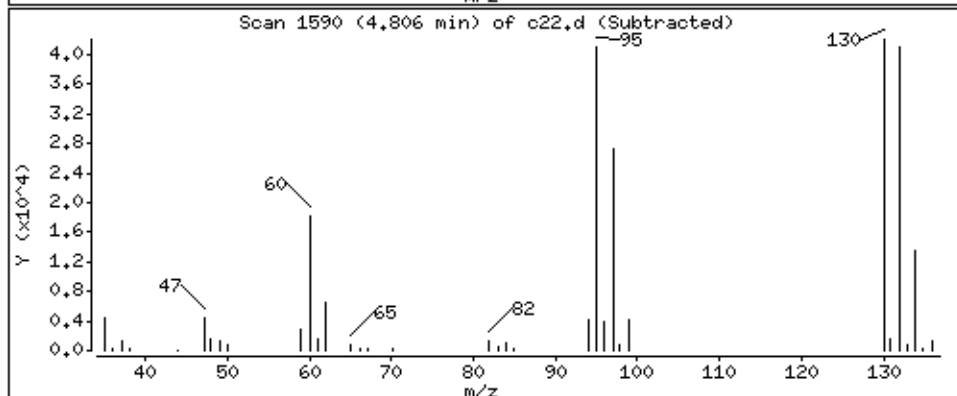
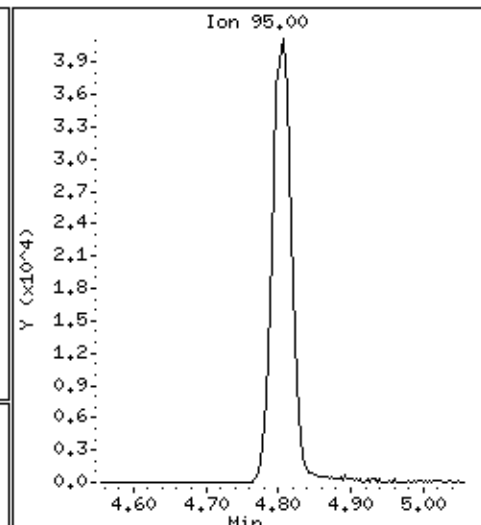
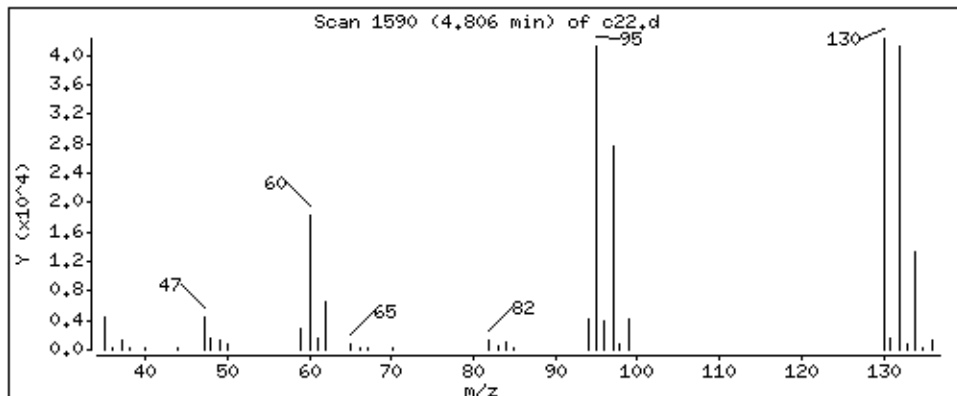
Operator: amv

Column phase: DB-624

Column diameter: 0,18

47 Trichloroethene

Concentration: 48,8 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

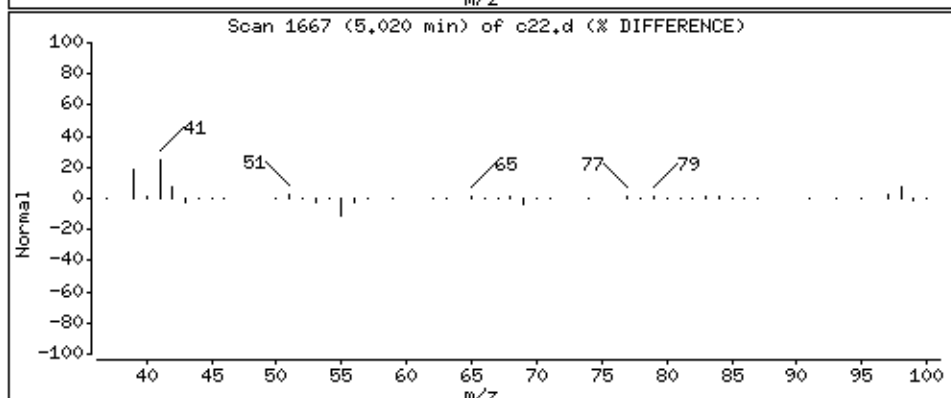
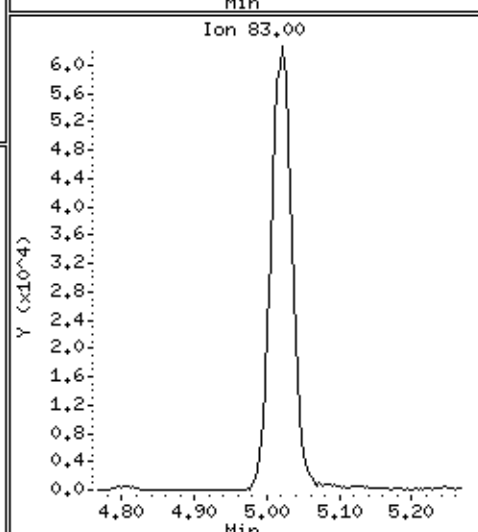
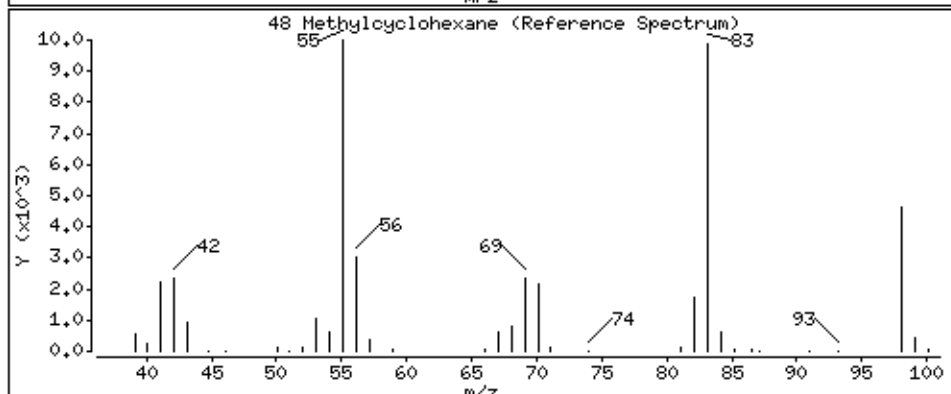
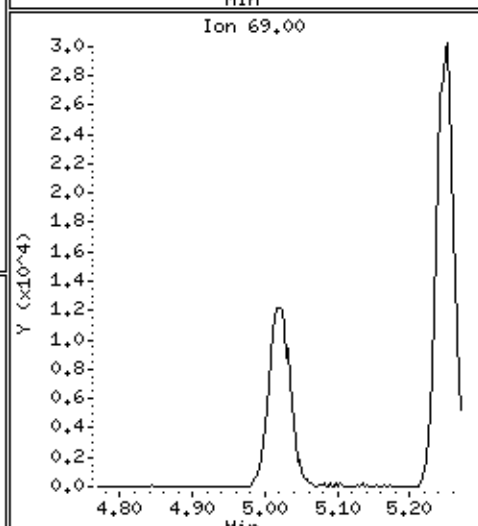
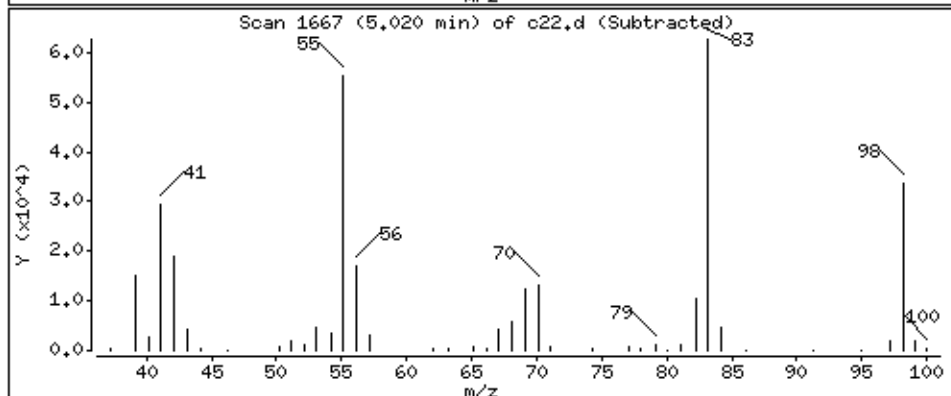
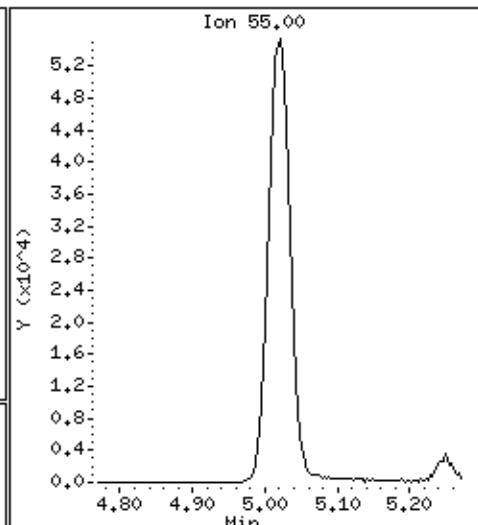
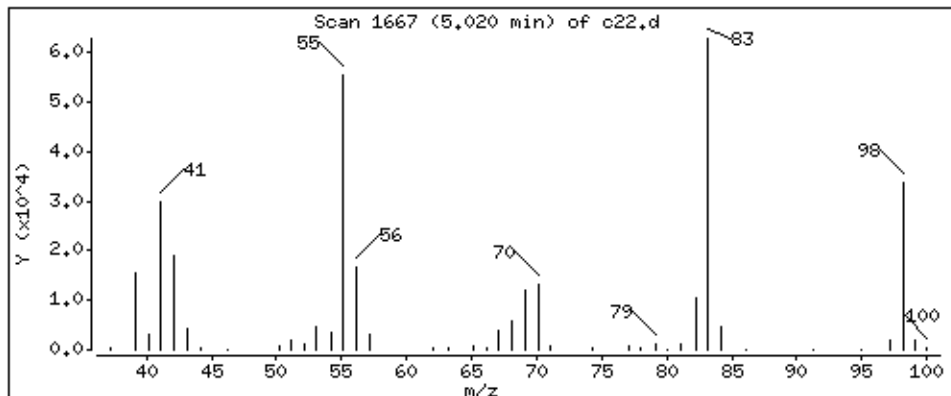
Operator: amv

Column phase: DB-624

Column diameter: 0,18

48 Methylcyclohexane

Concentration: 42.6 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

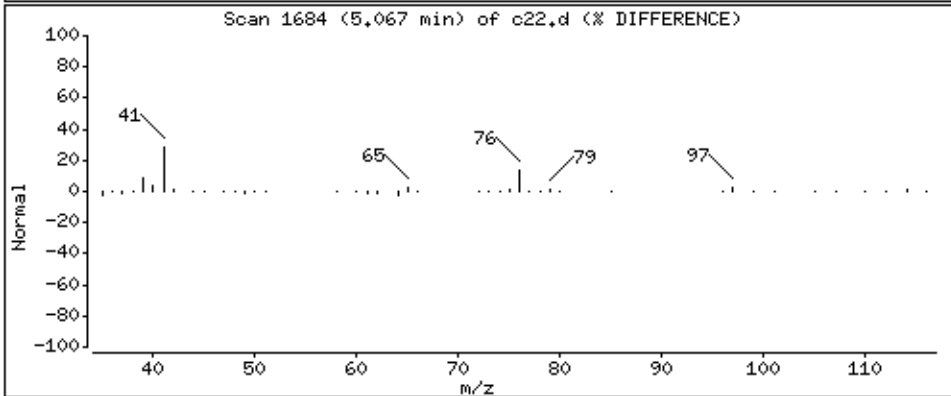
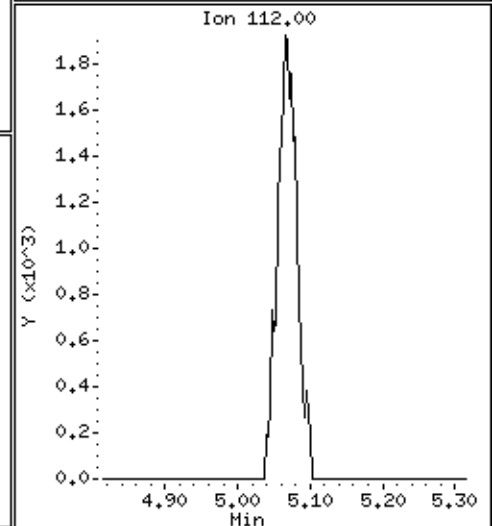
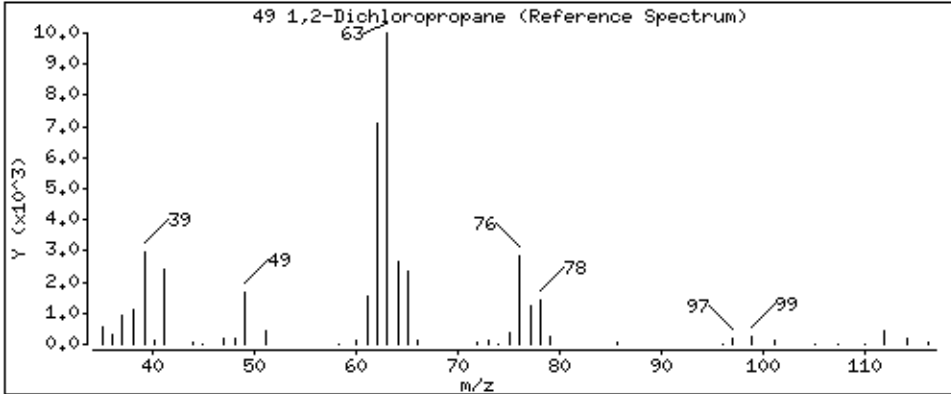
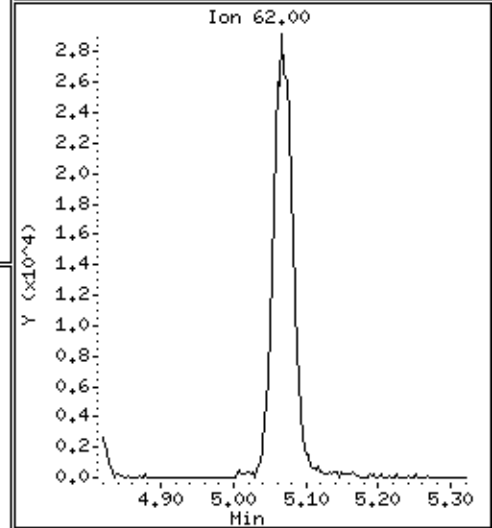
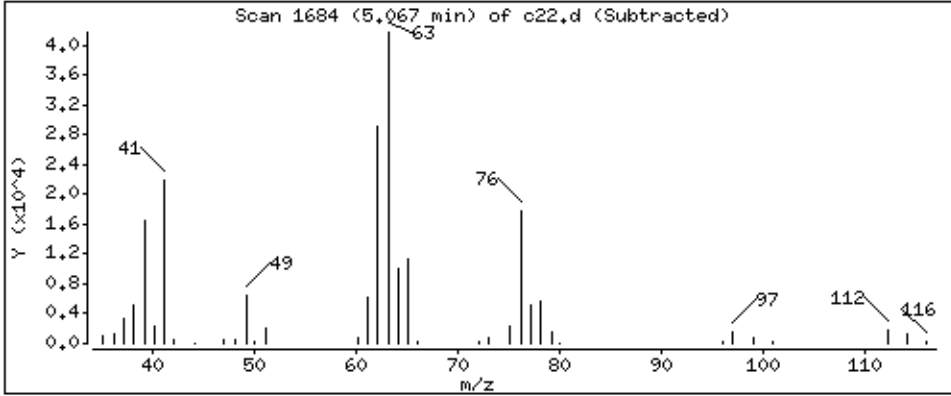
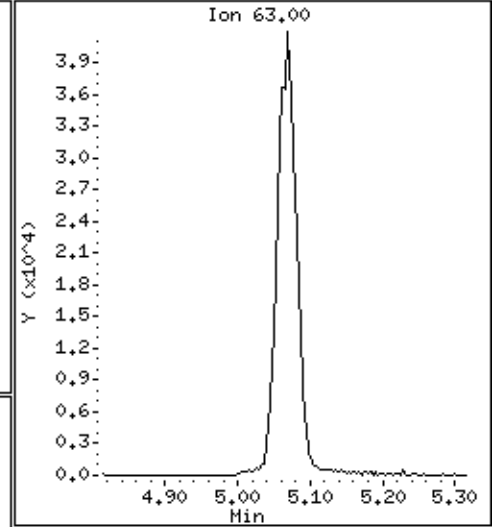
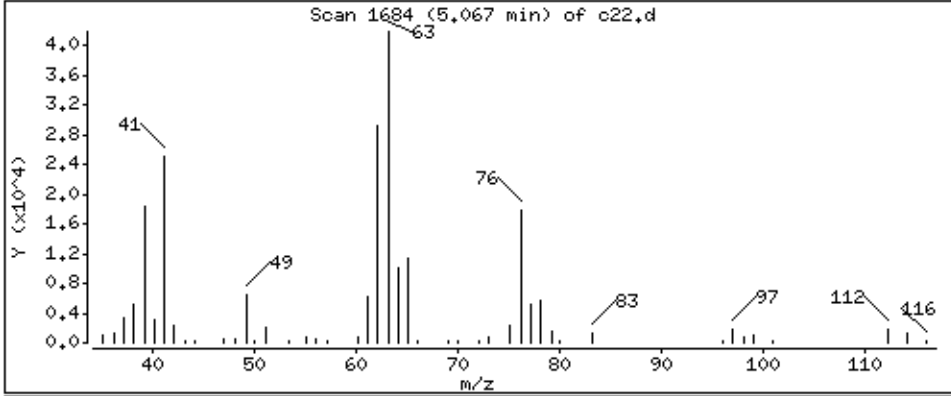
Operator: amv

Column phase: DB-624

Column diameter: 0,18

49 1,2-Dichloropropane

Concentration: 51.0 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

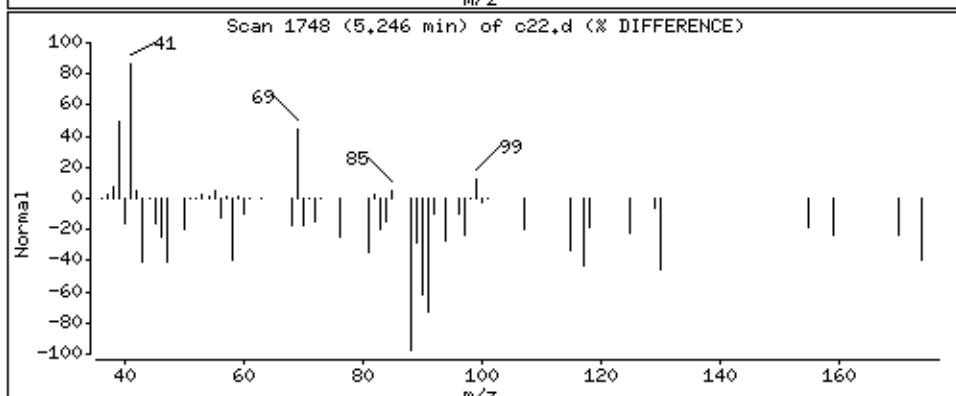
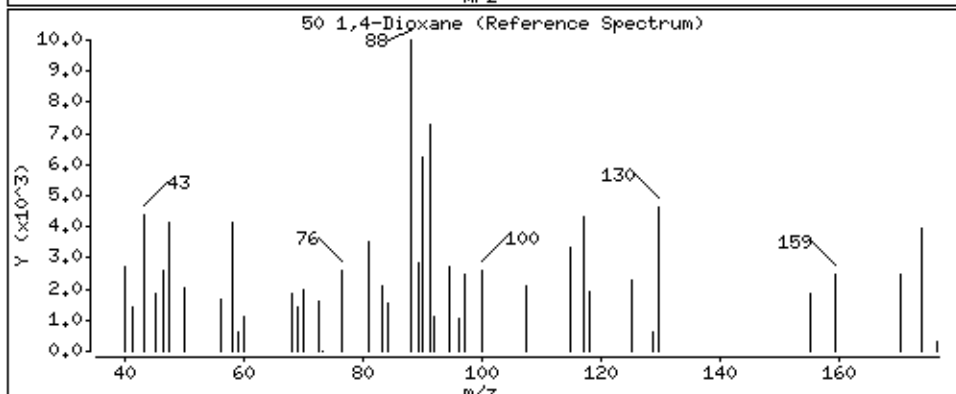
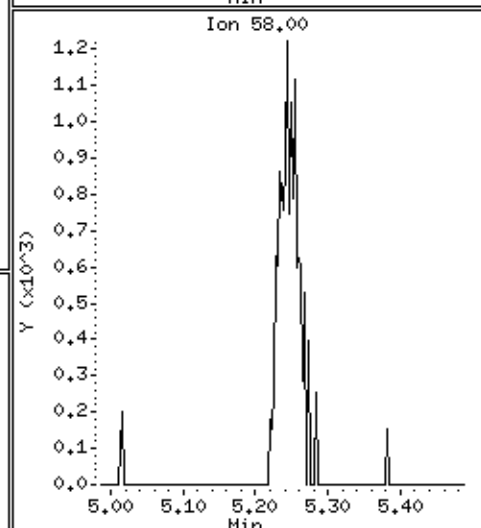
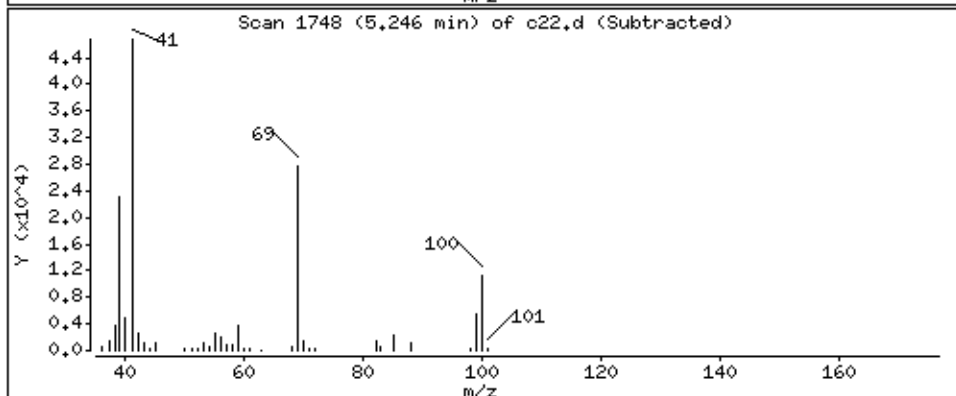
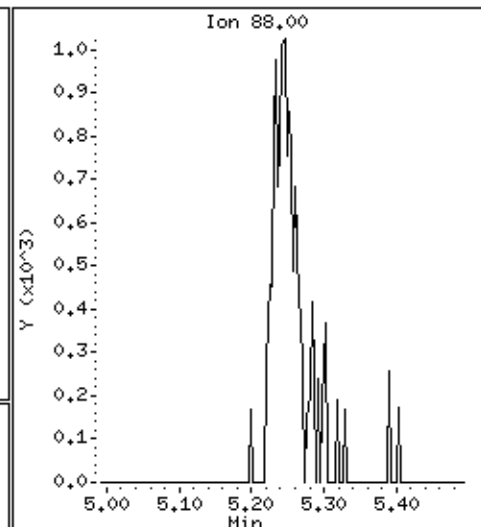
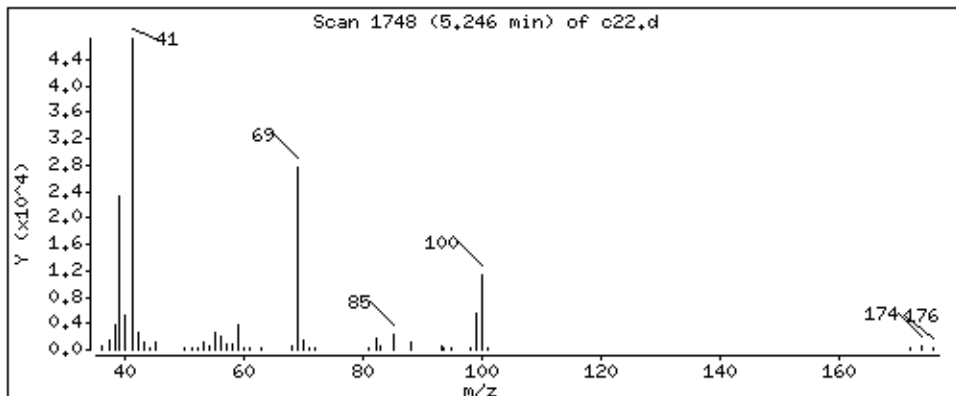
Operator: amv

Column phase: DB-624

Column diameter: 0.18

50 1,4-Dioxane

Concentration: 521 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

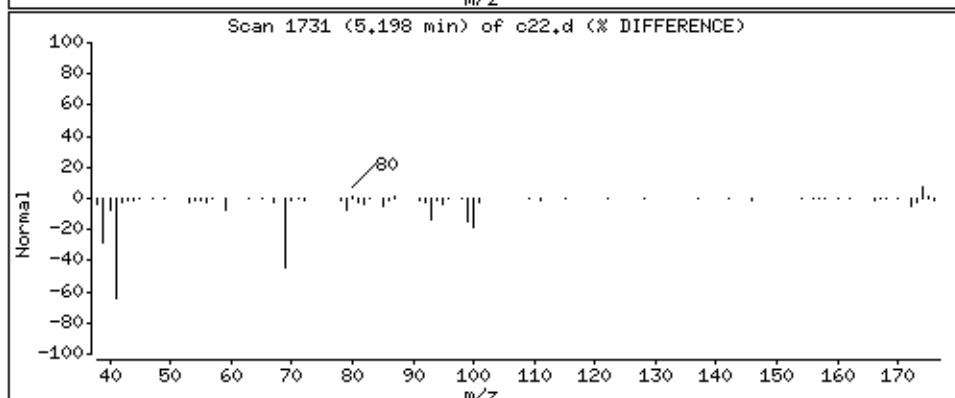
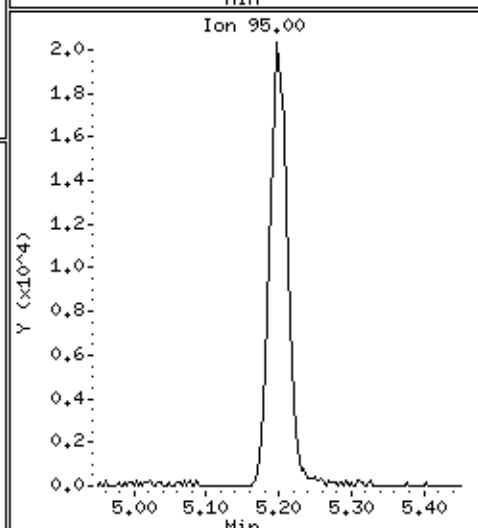
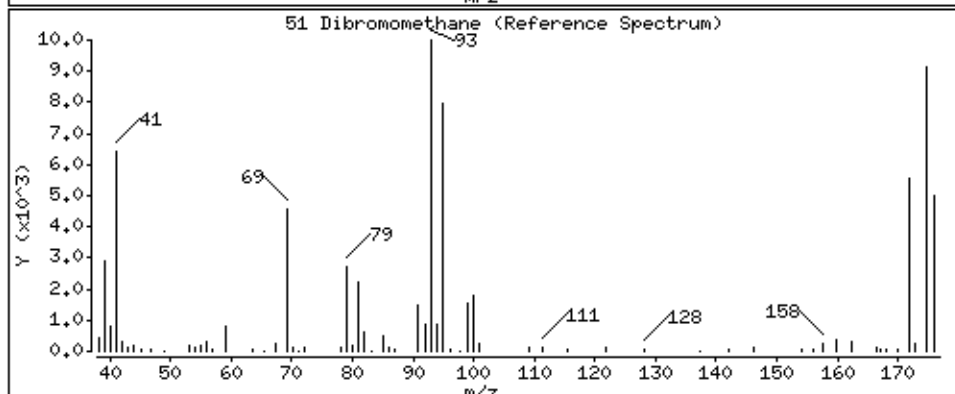
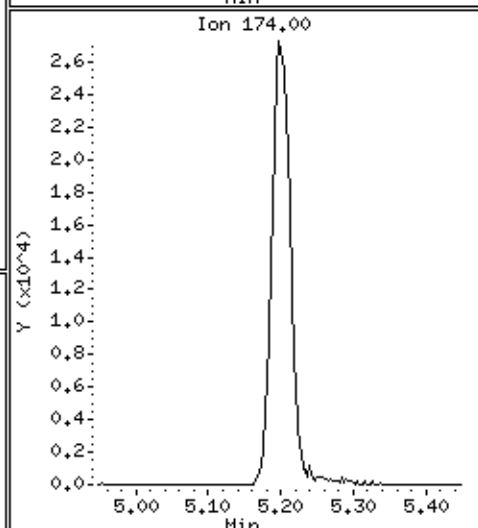
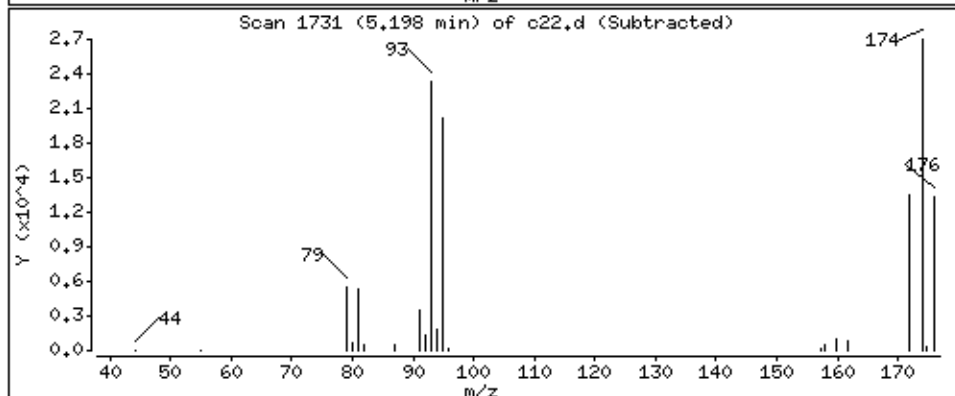
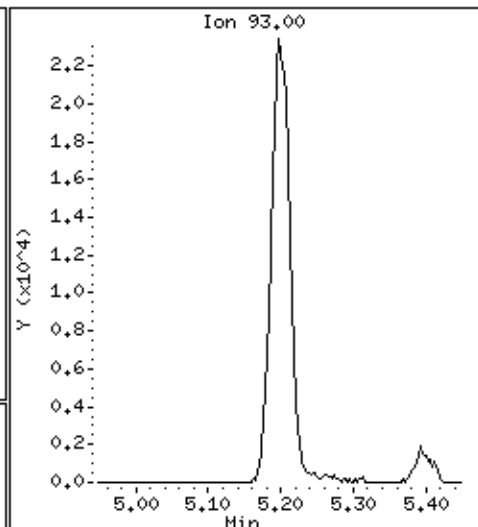
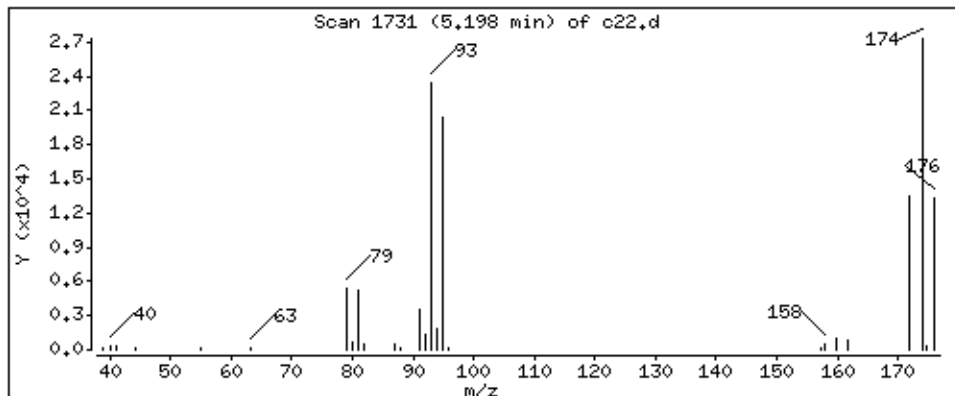
Operator: amv

Column phase: DB-624

Column diameter: 0.18

51 Dibromomethane

Concentration: 52.8 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

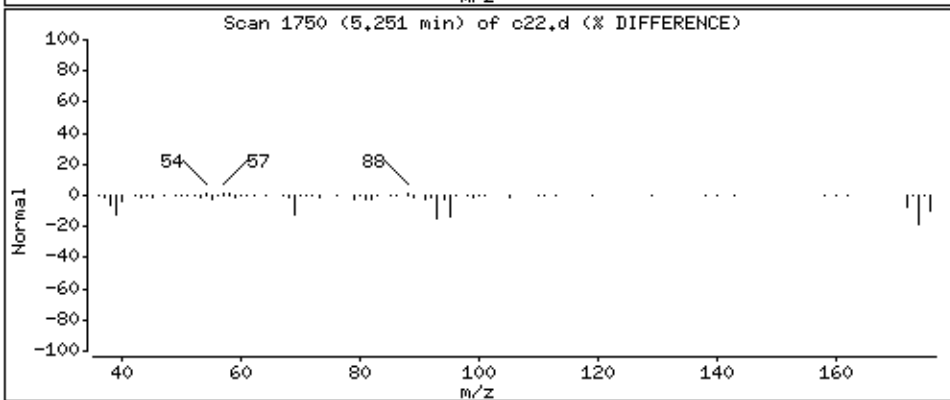
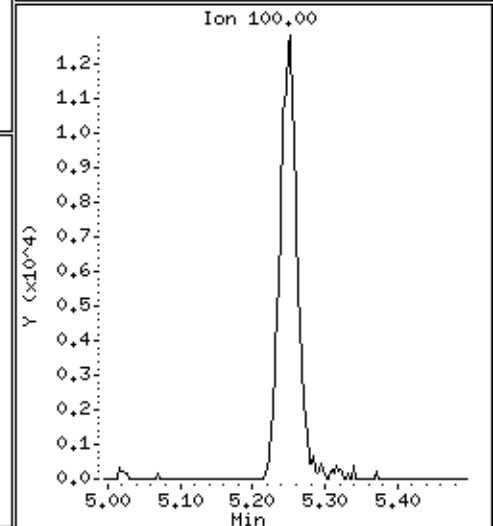
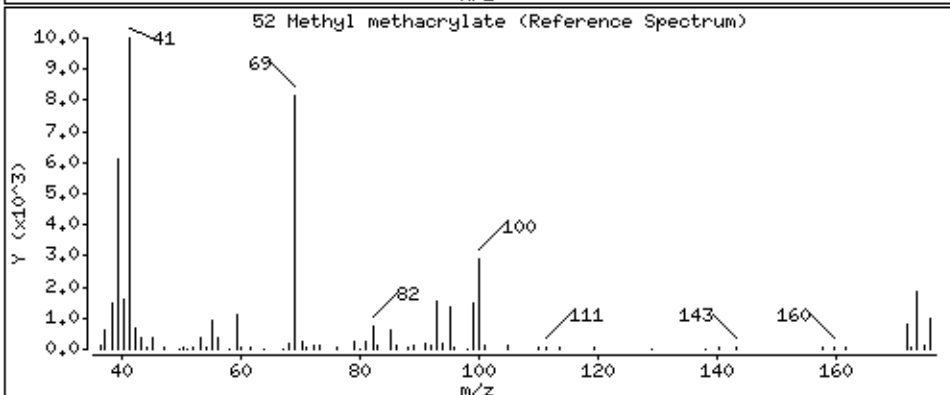
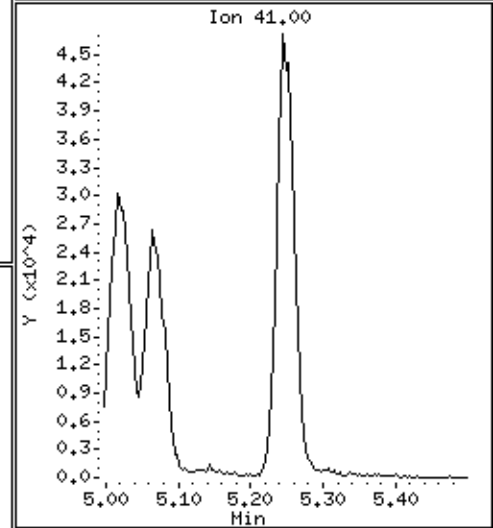
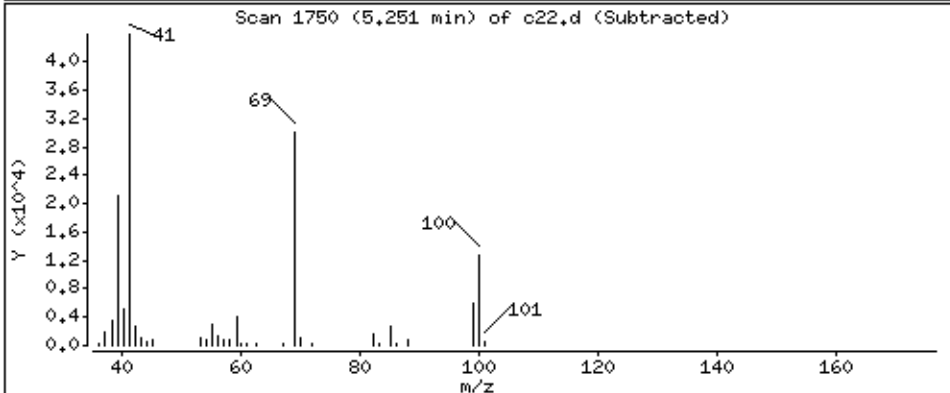
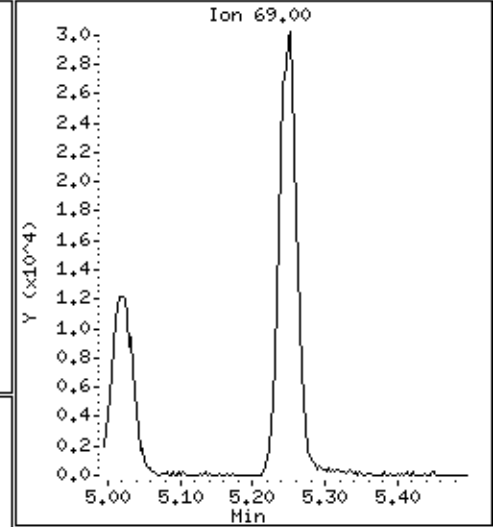
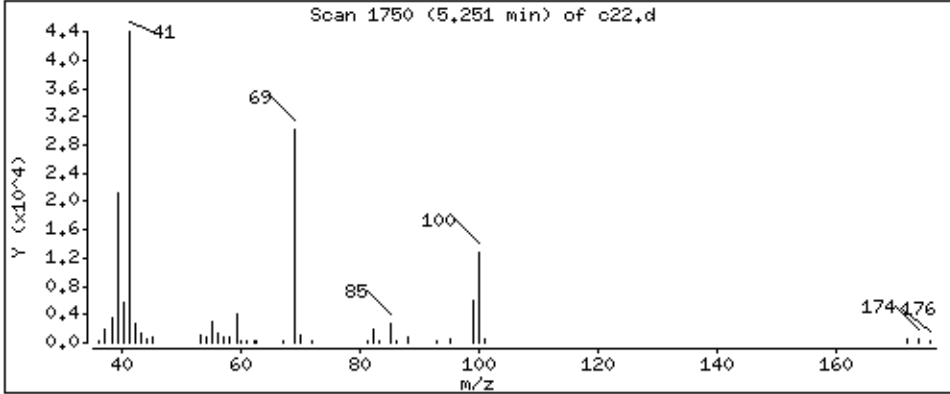
Operator: amv

Column phase: DB-624

Column diameter: 0,18

52 Methyl methacrylate

Concentration: 44,9 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

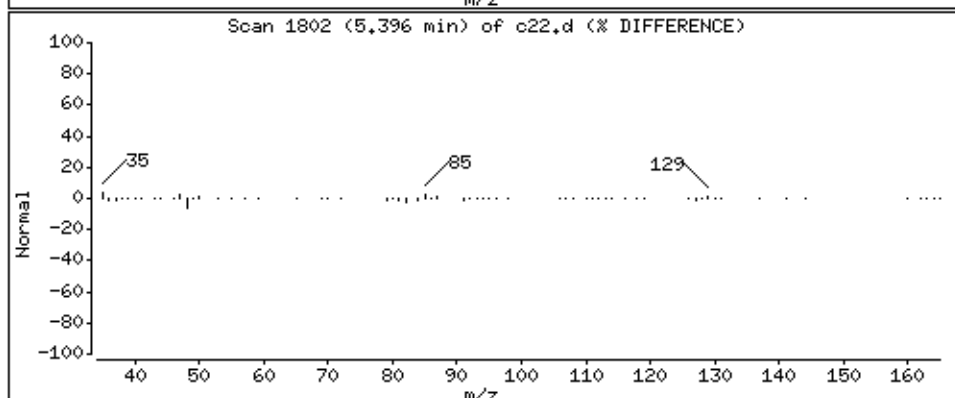
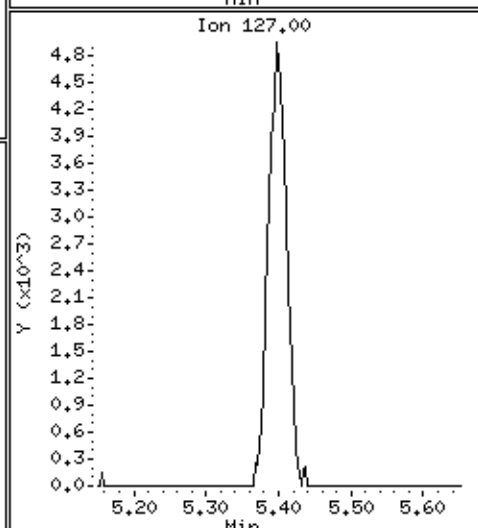
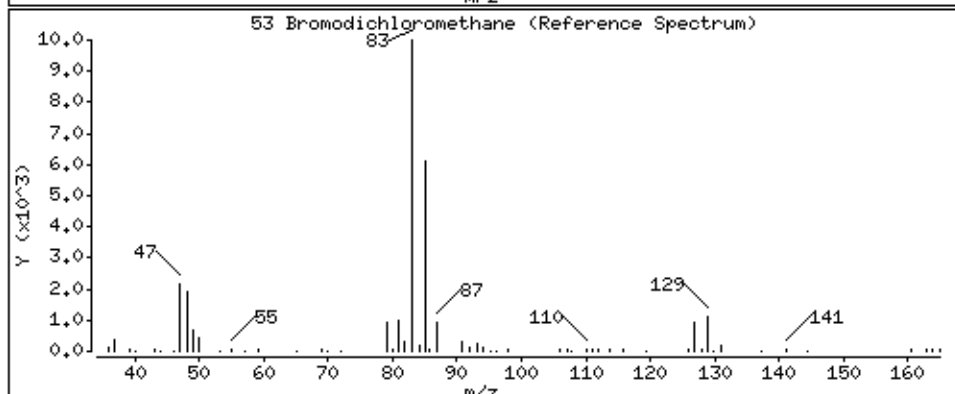
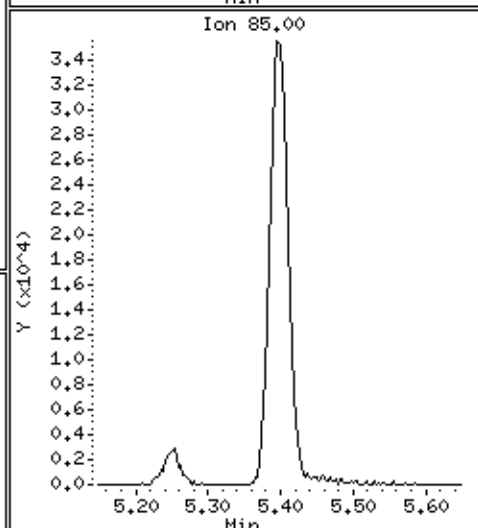
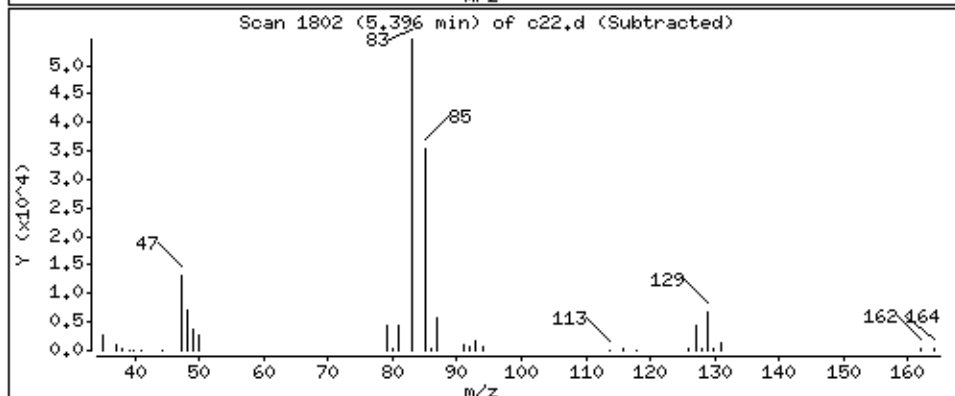
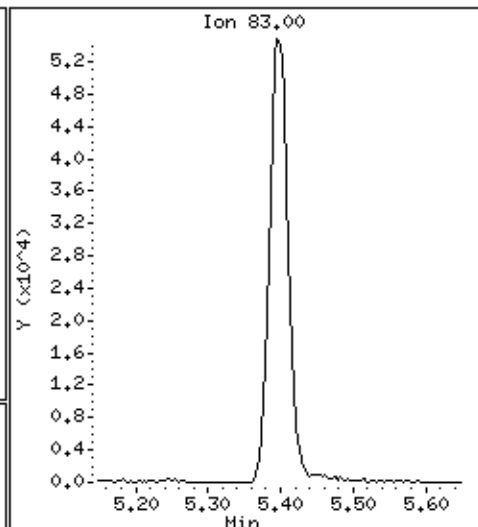
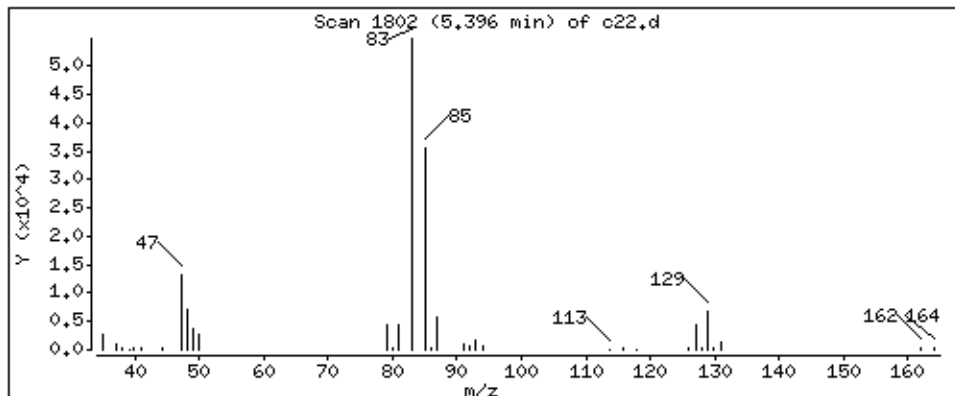
Operator: amv

Column phase: DB-624

Column diameter: 0,18

53 Bromodichloromethane

Concentration: 46,8 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

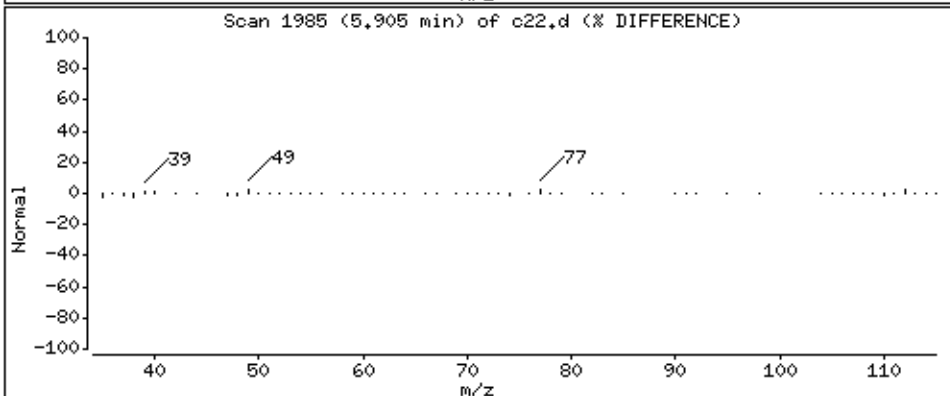
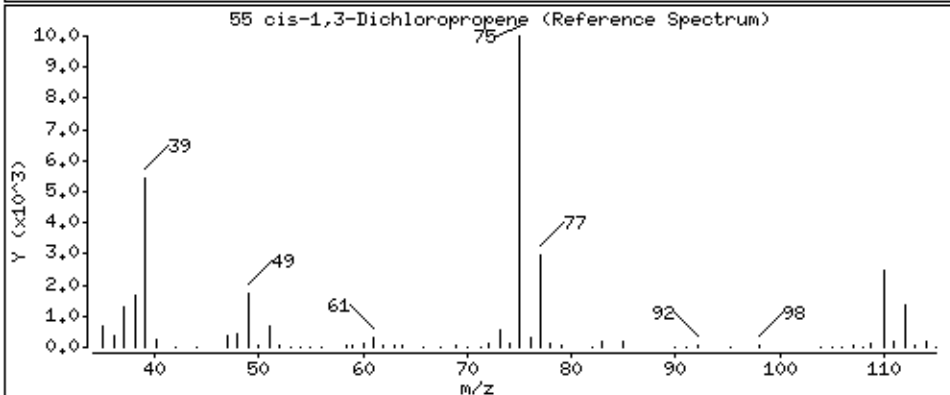
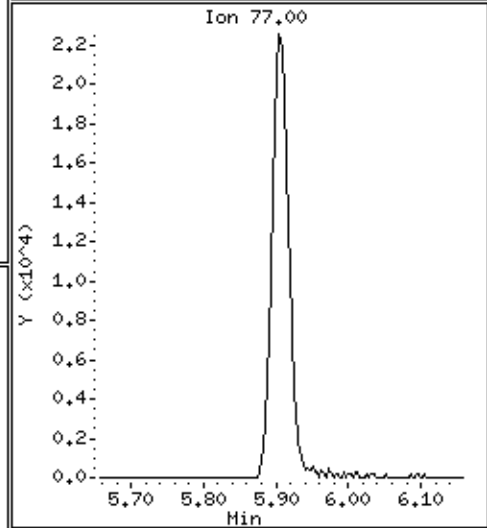
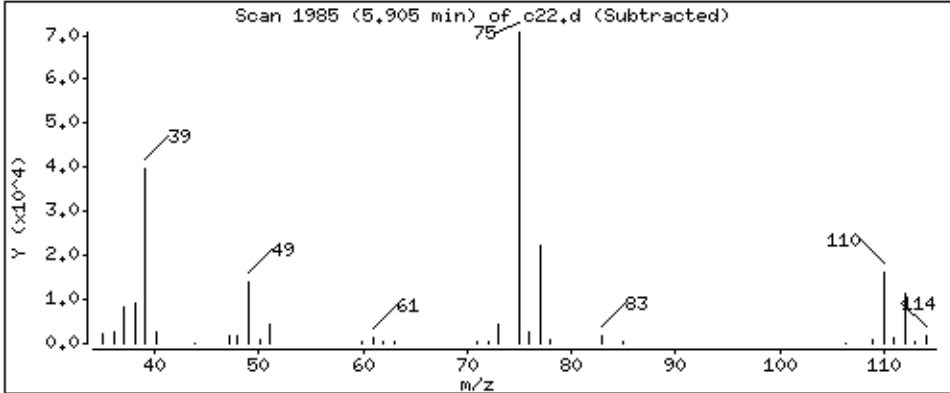
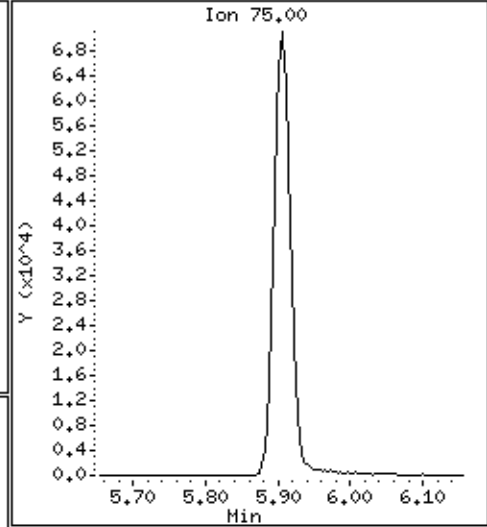
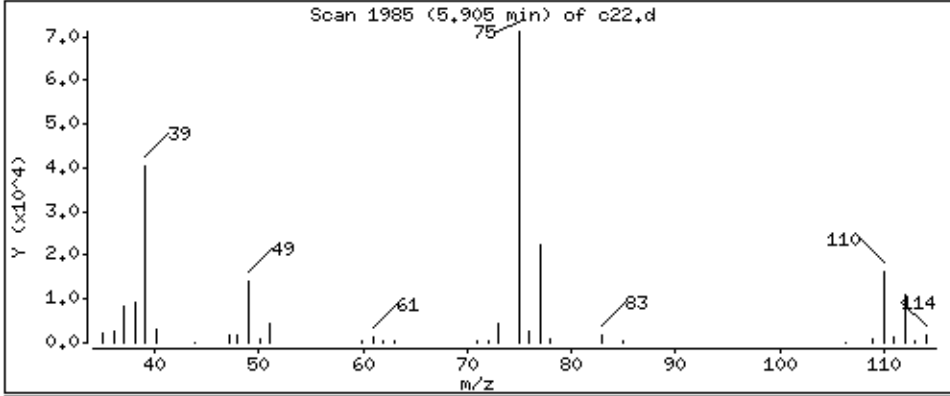
Operator: amv

Column phase: DB-624

Column diameter: 0,18

55 cis-1,3-Dichloropropene

Concentration: 46,3 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

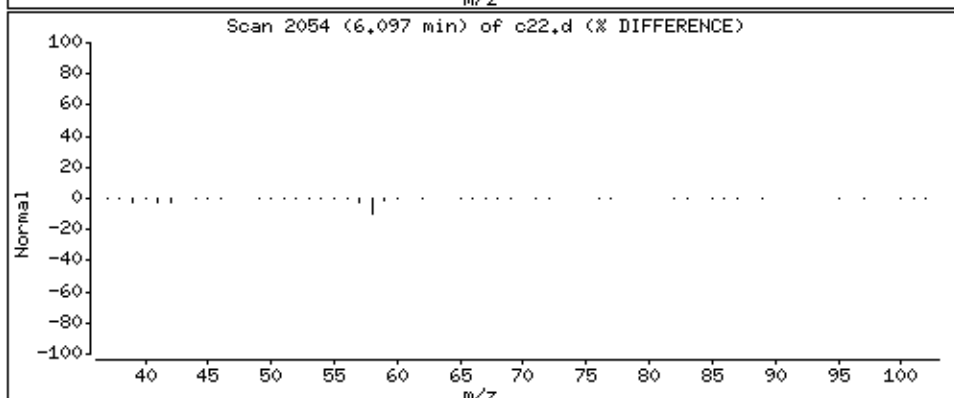
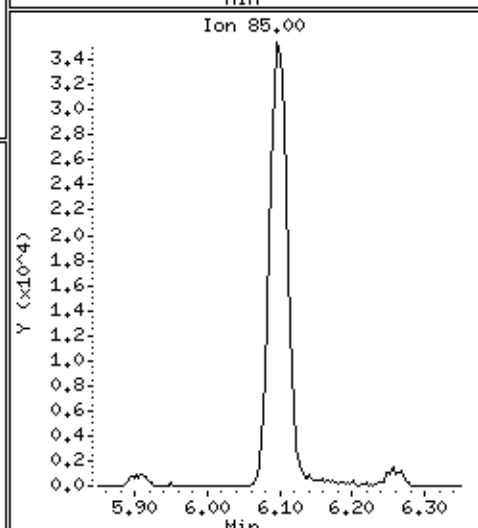
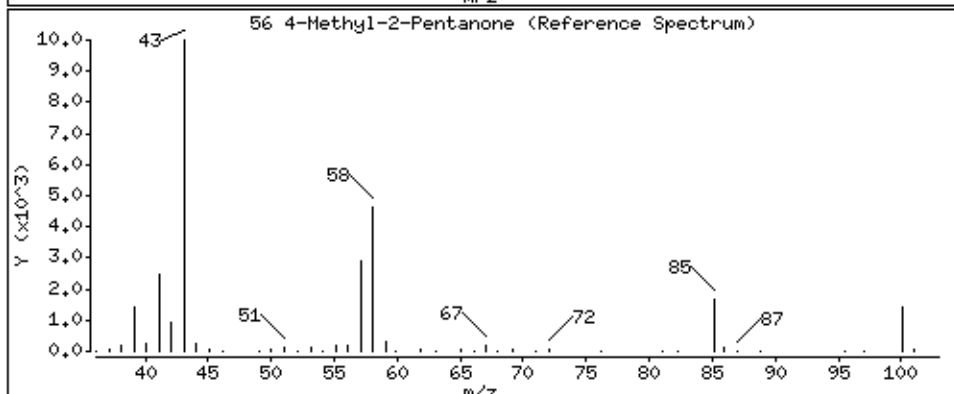
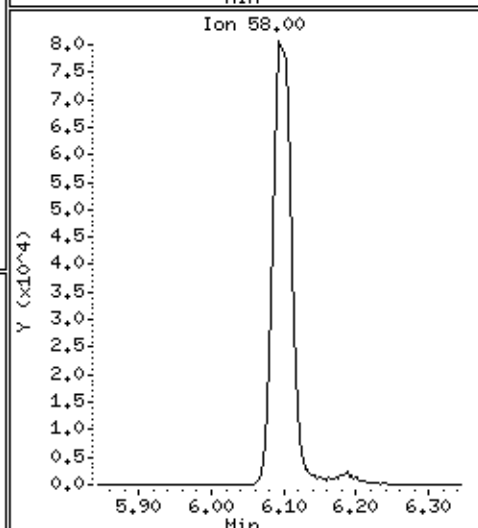
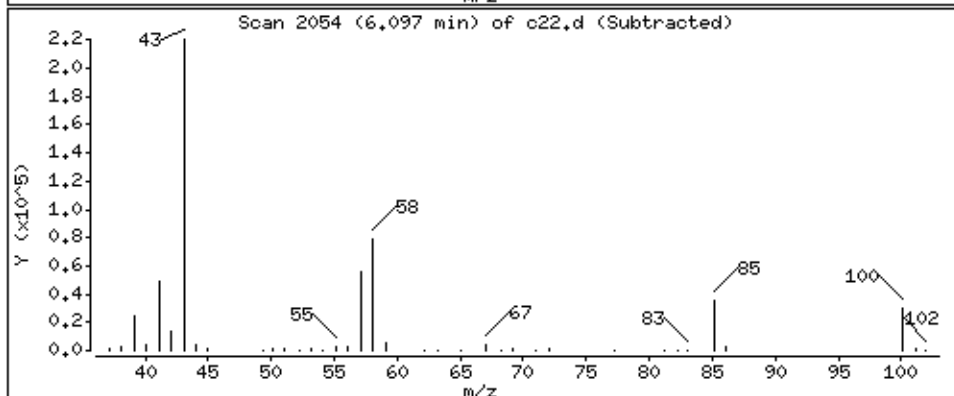
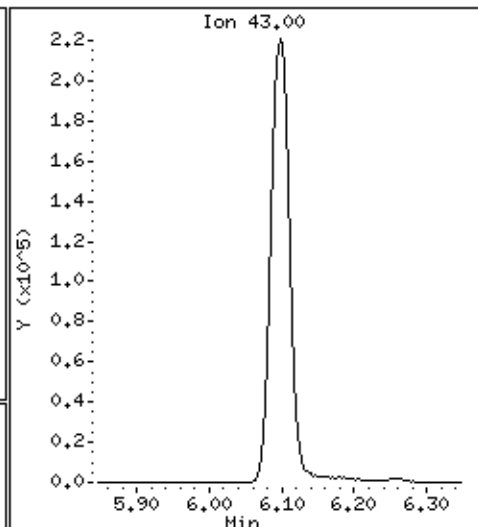
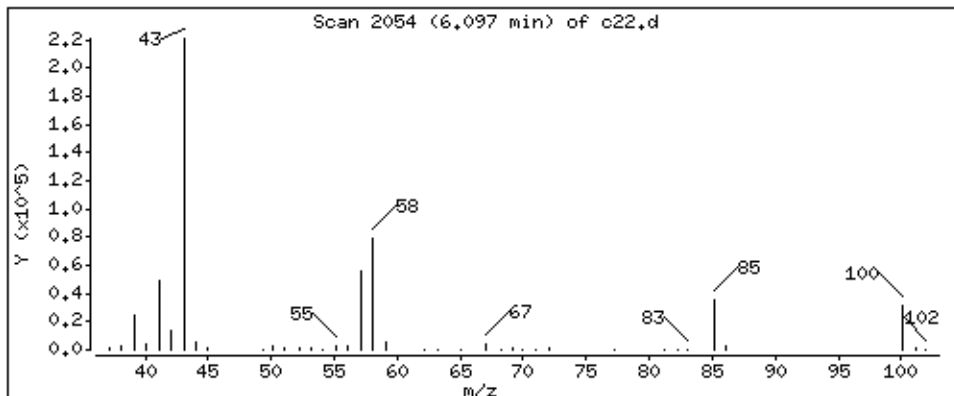
Operator: amv

Column phase: DB-624

Column diameter: 0,18

56 4-Methyl-2-Pentanone

Concentration: 215 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

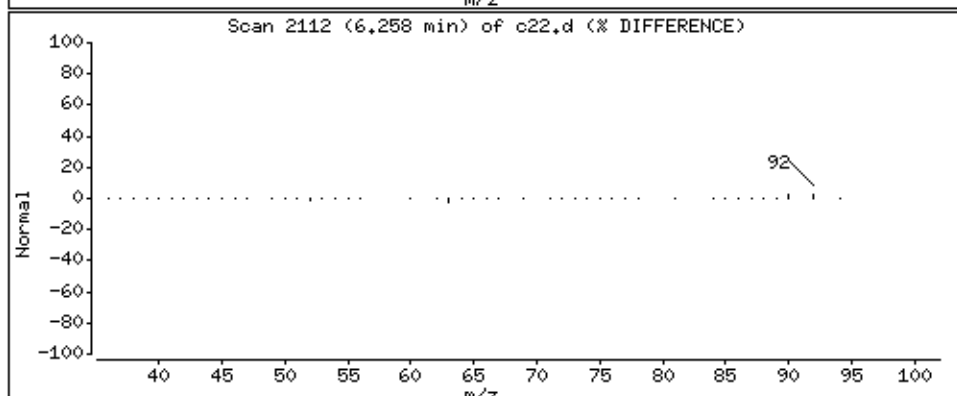
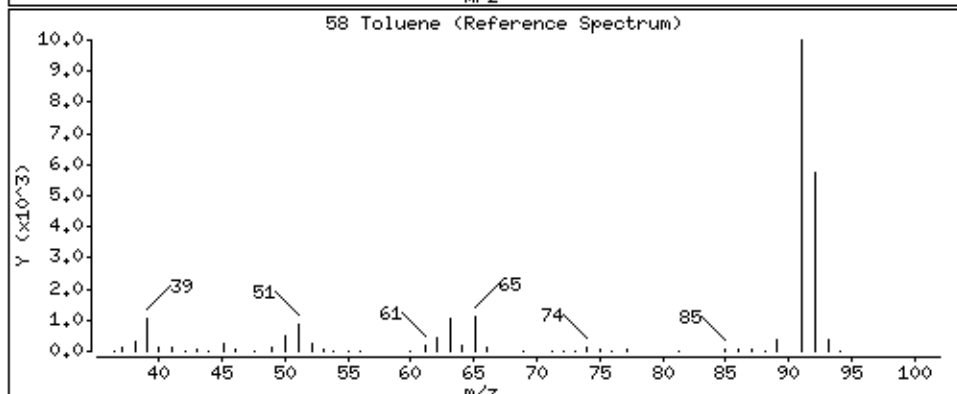
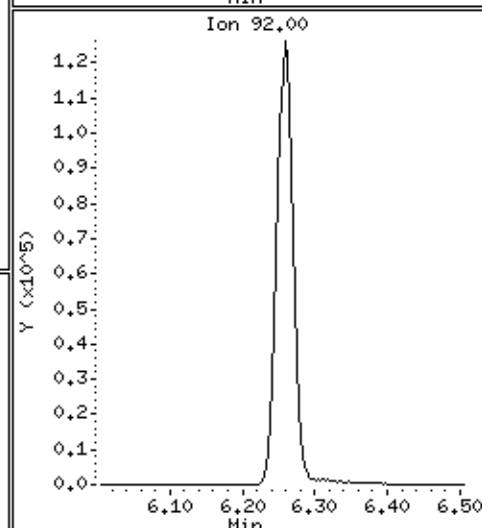
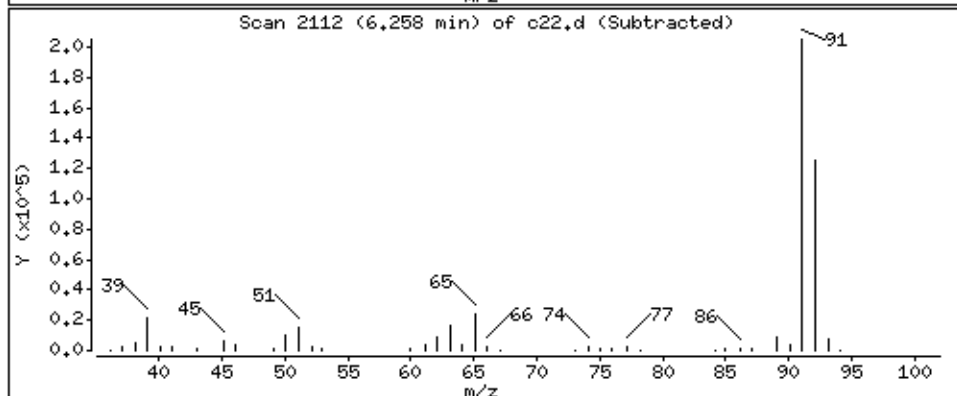
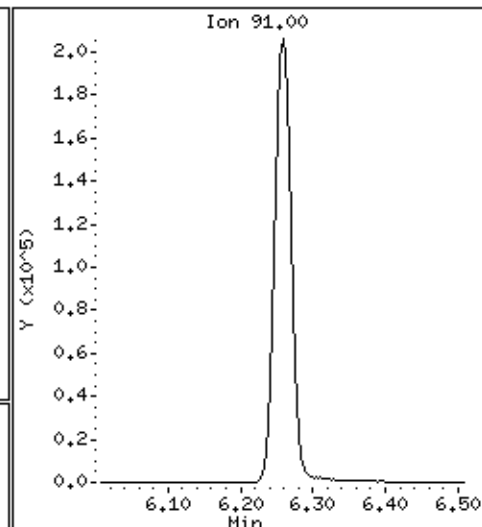
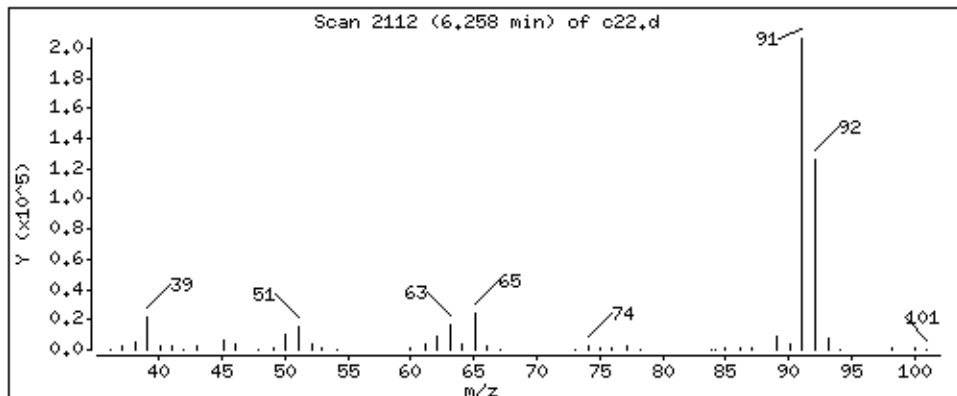
Operator: amv

Column phase: DB-624

Column diameter: 0.18

58 Toluene

Concentration: 47.2 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

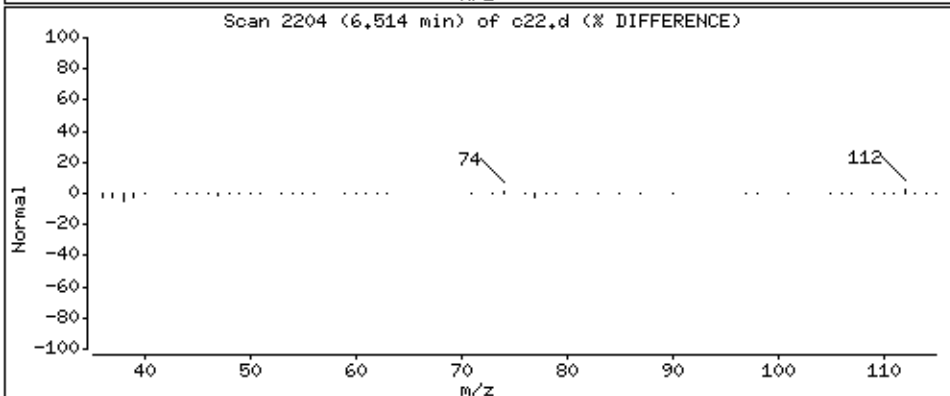
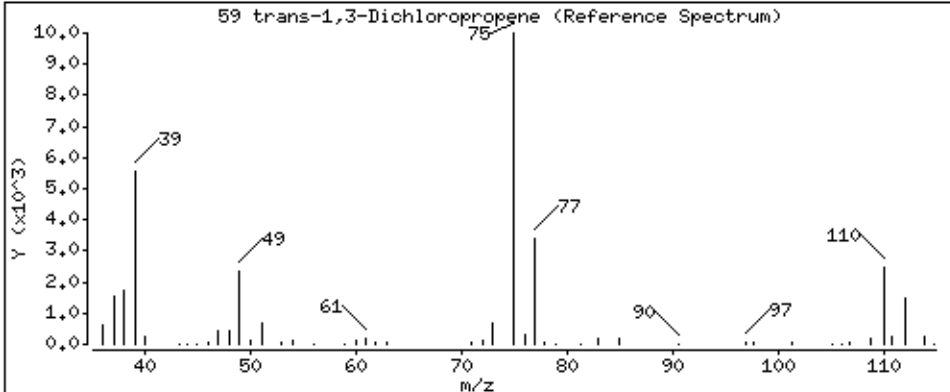
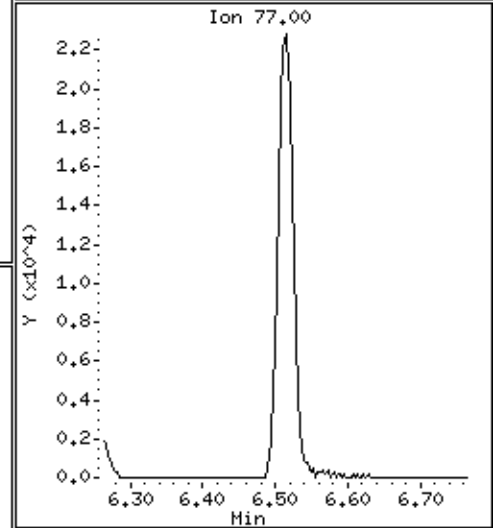
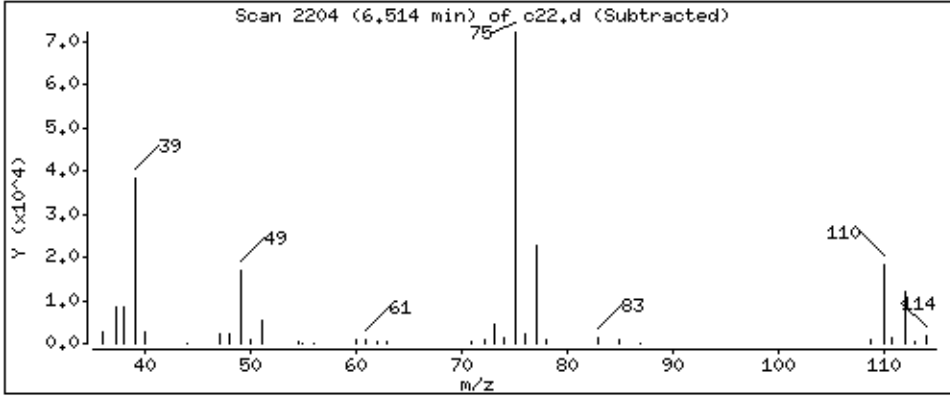
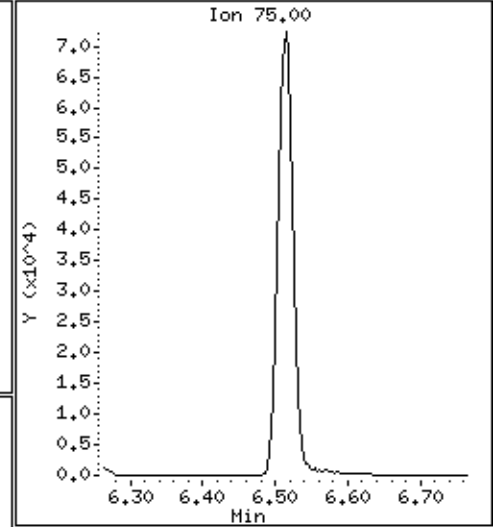
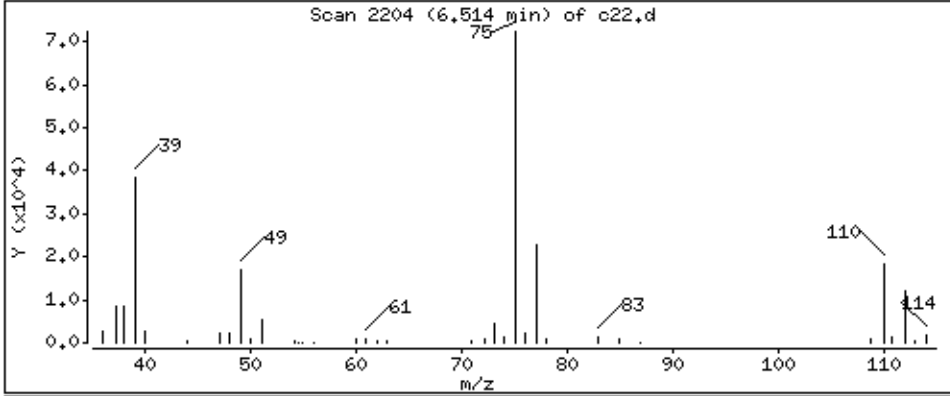
Operator: amv

Column phase: DB-624

Column diameter: 0,18

59 trans-1,3-Dichloropropene

Concentration: 45,4 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

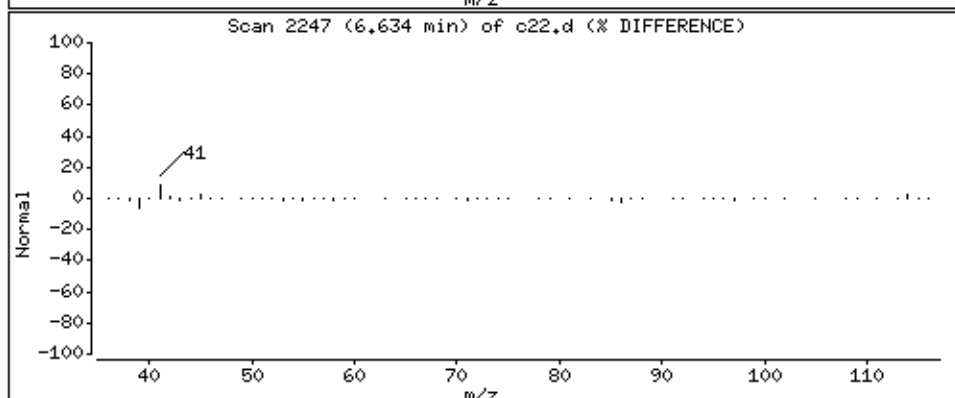
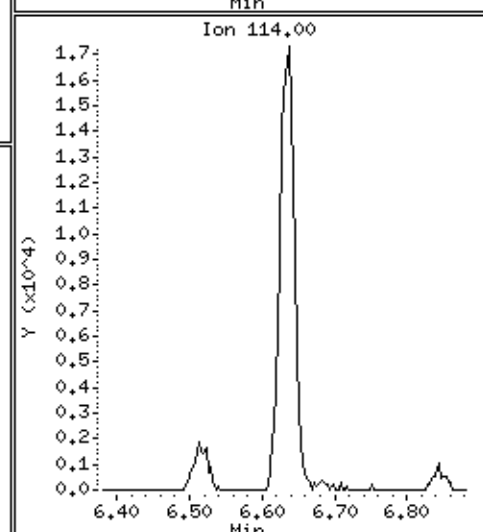
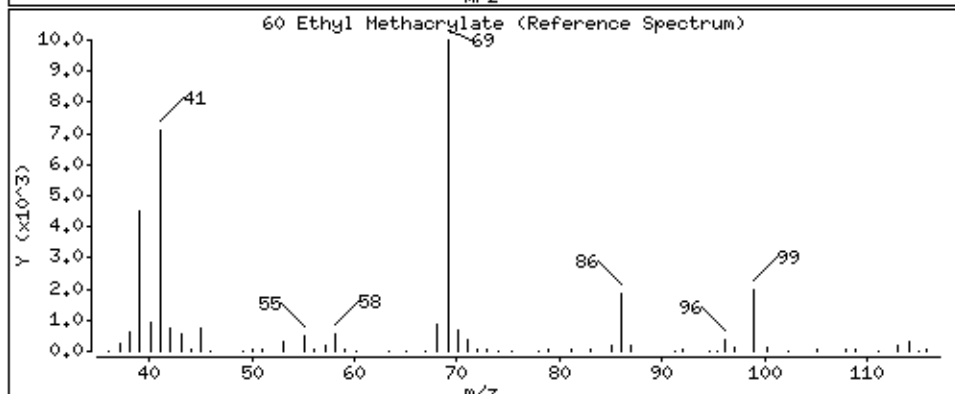
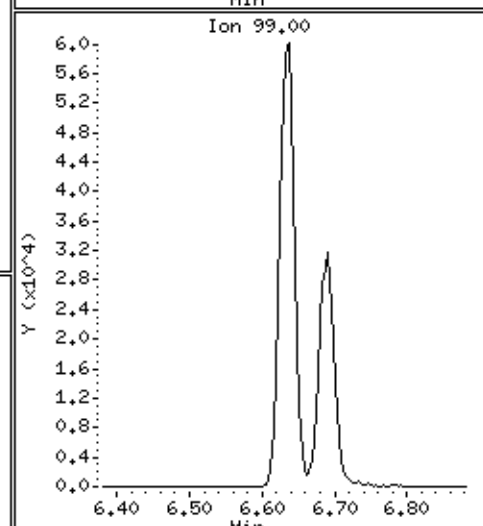
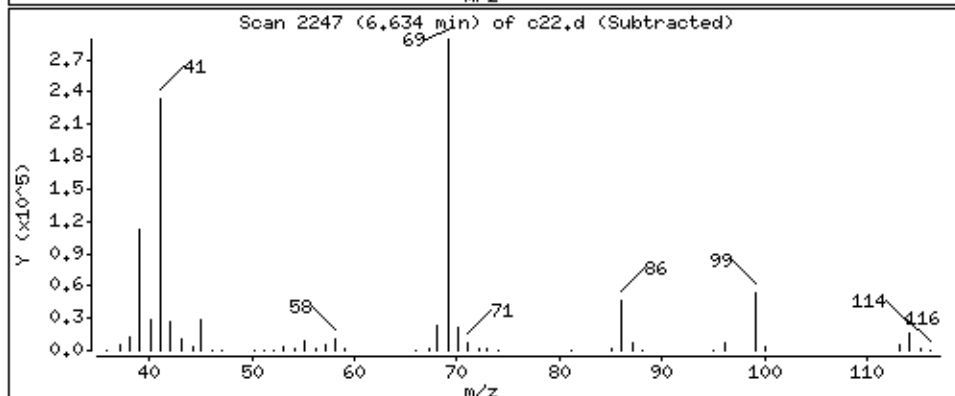
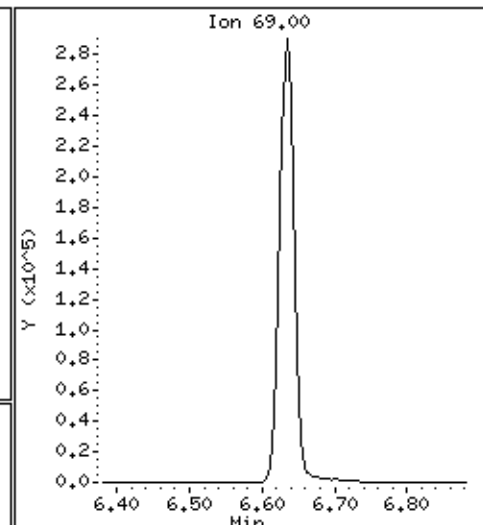
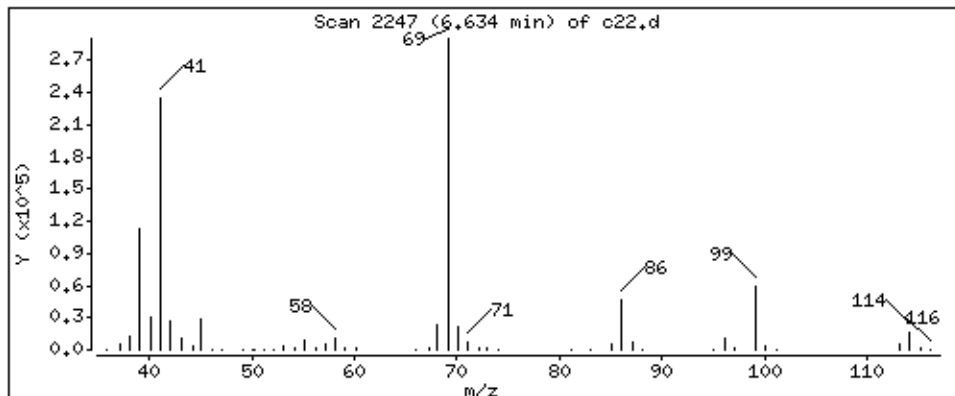
Operator: amv

Column phase: DB-624

Column diameter: 0.18

60 Ethyl Methacrylate

Concentration: 192 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

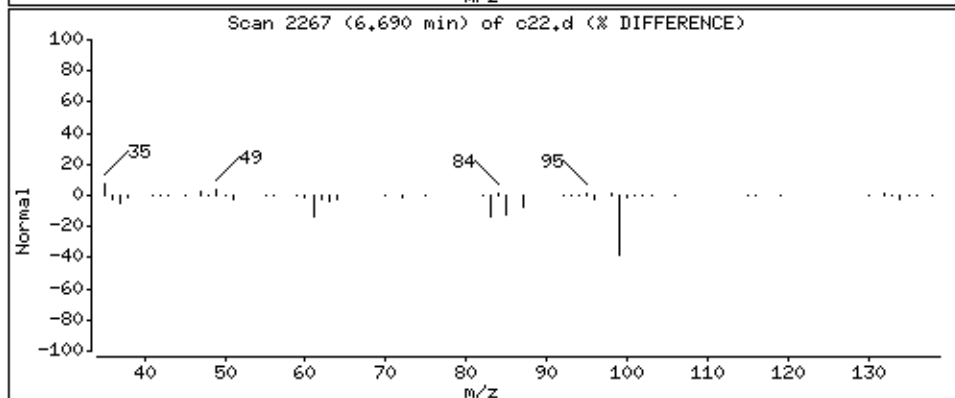
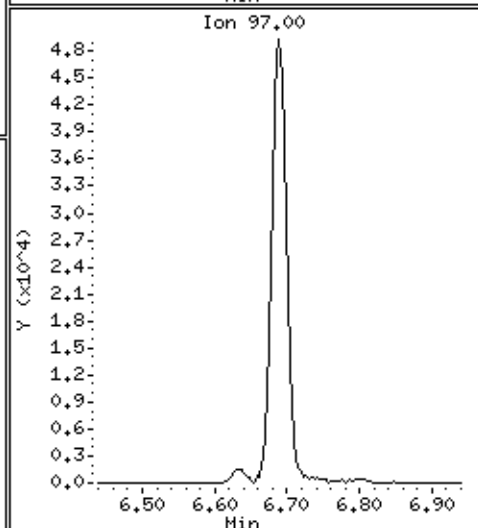
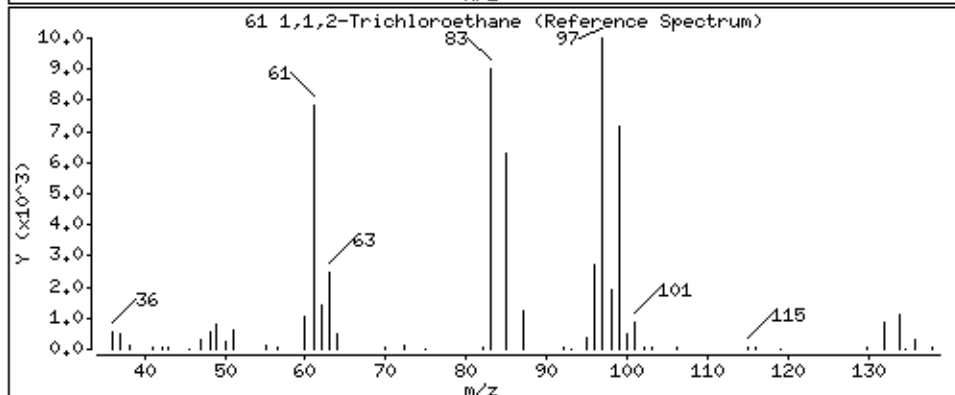
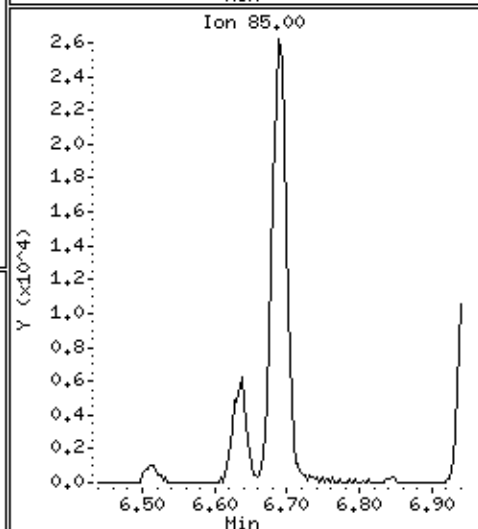
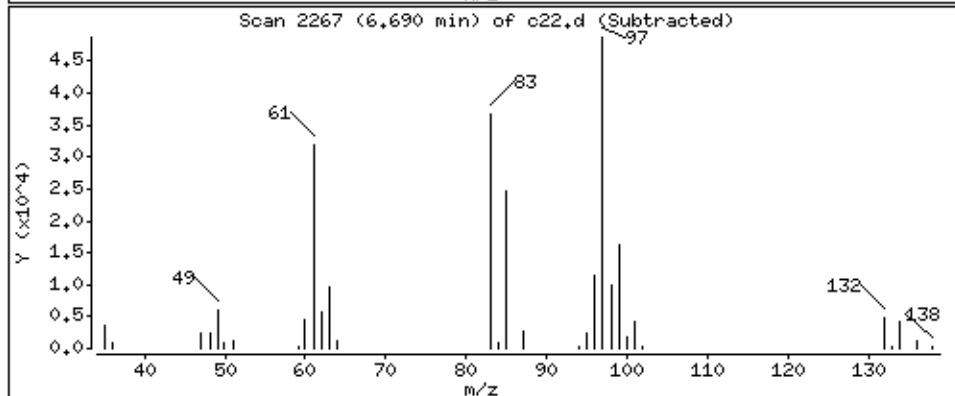
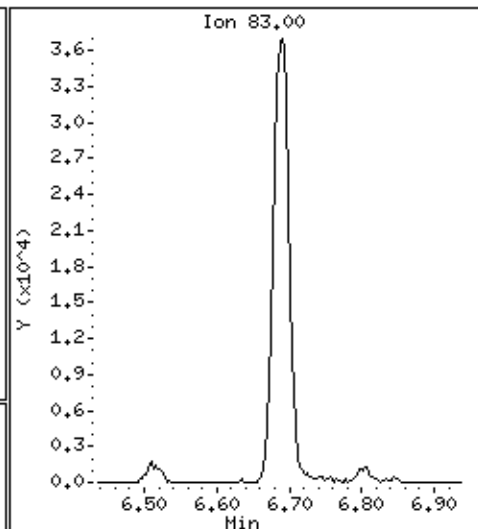
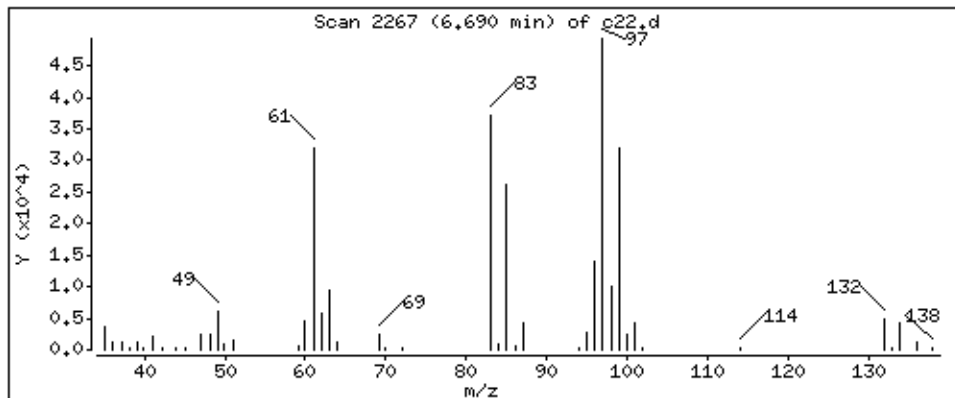
Operator: amv

Column phase: DB-624

Column diameter: 0,18

61 1,1,2-Trichloroethane

Concentration: 55,7 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

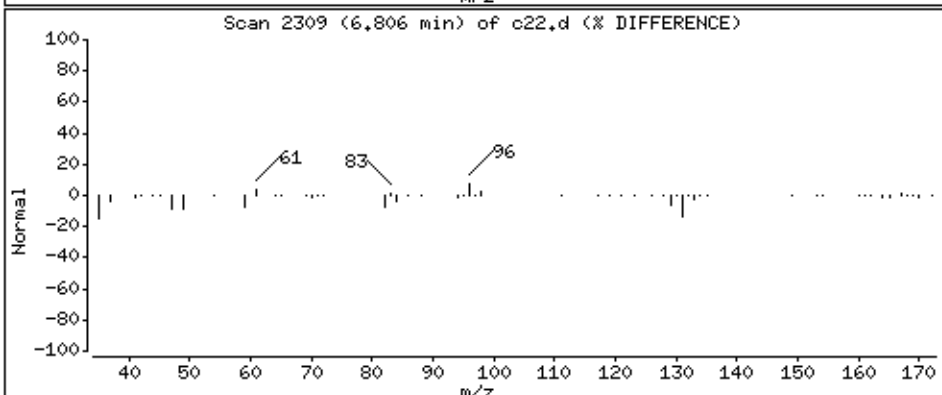
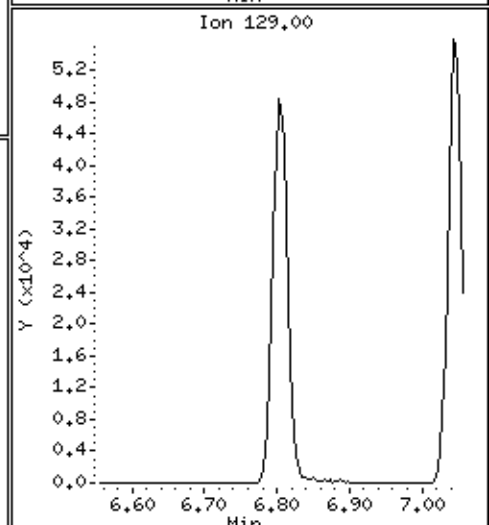
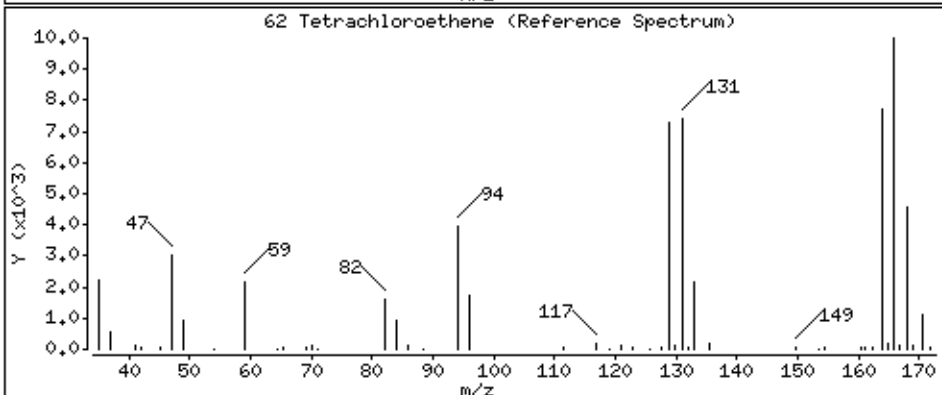
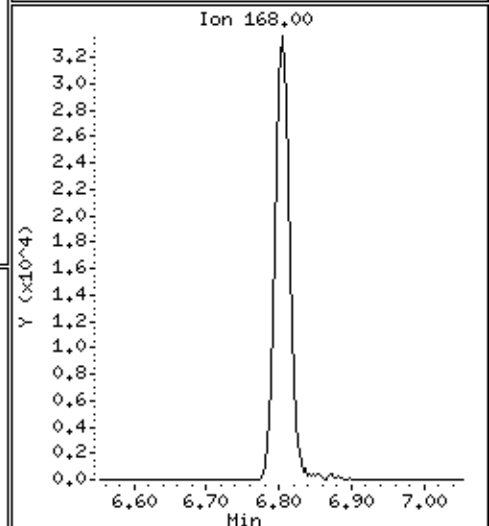
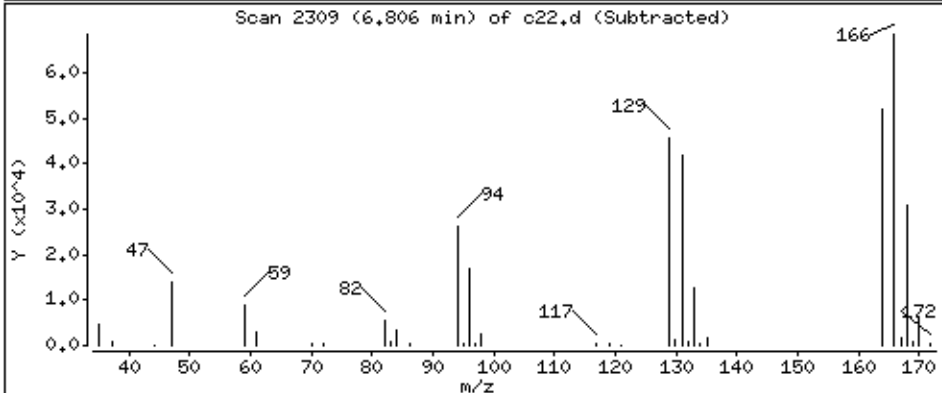
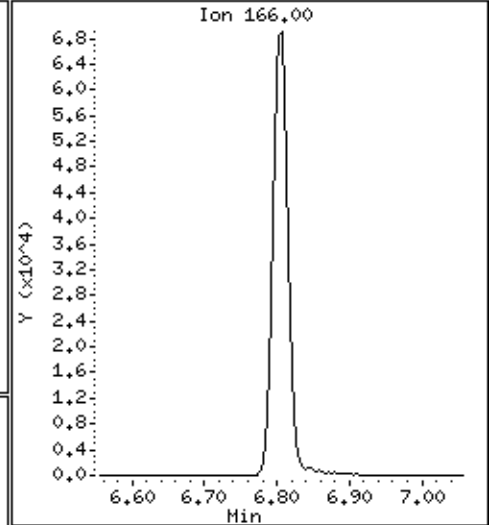
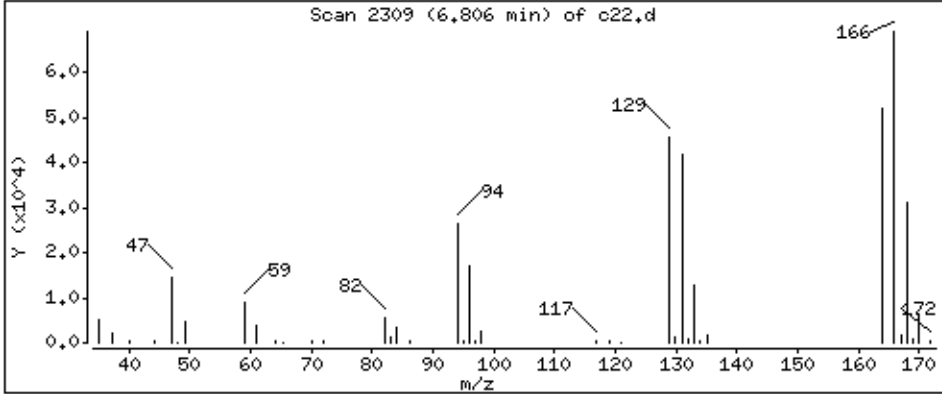
Operator: amv

Column phase: DB-624

Column diameter: 0,18

62 Tetrachloroethene

Concentration: 52.9 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

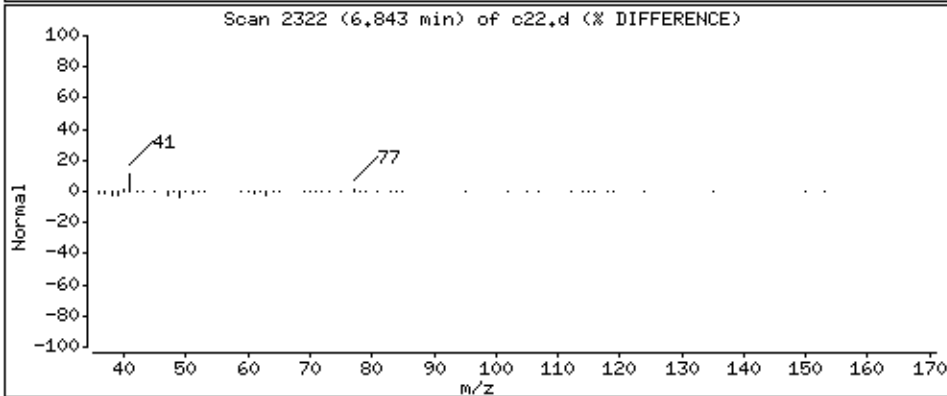
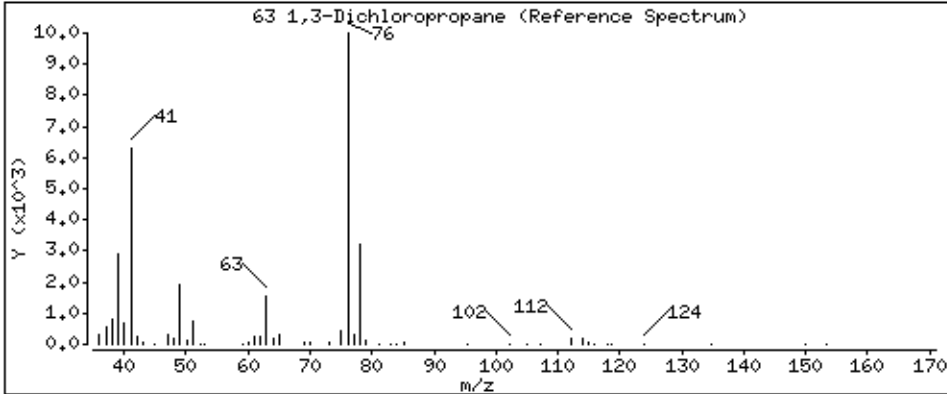
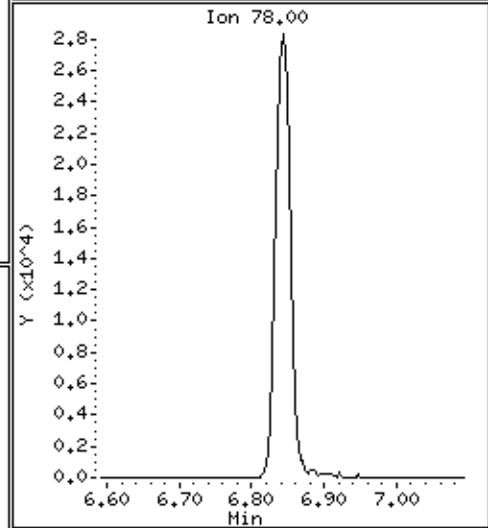
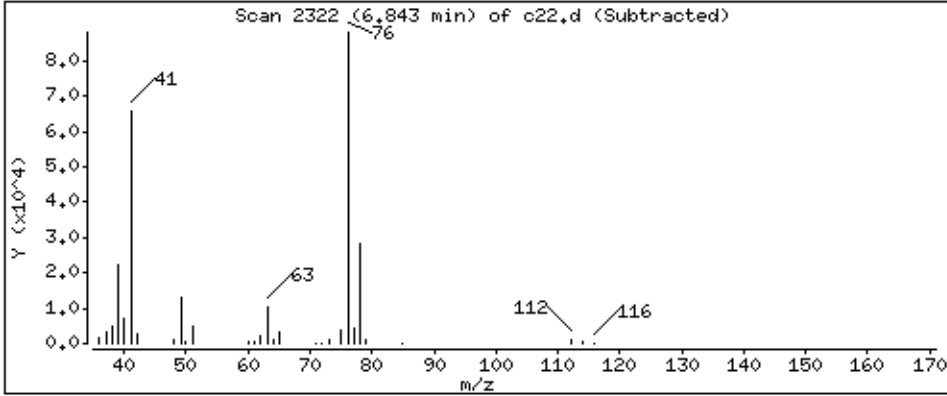
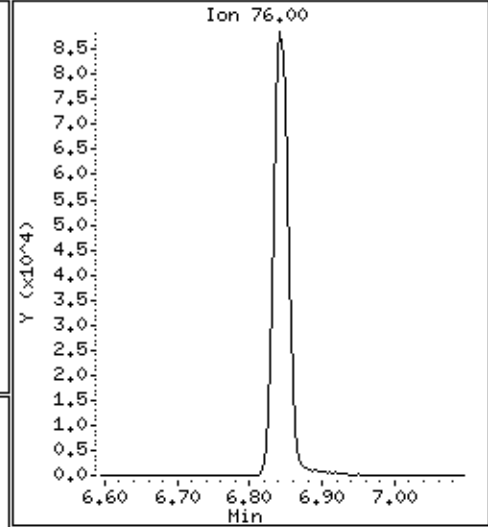
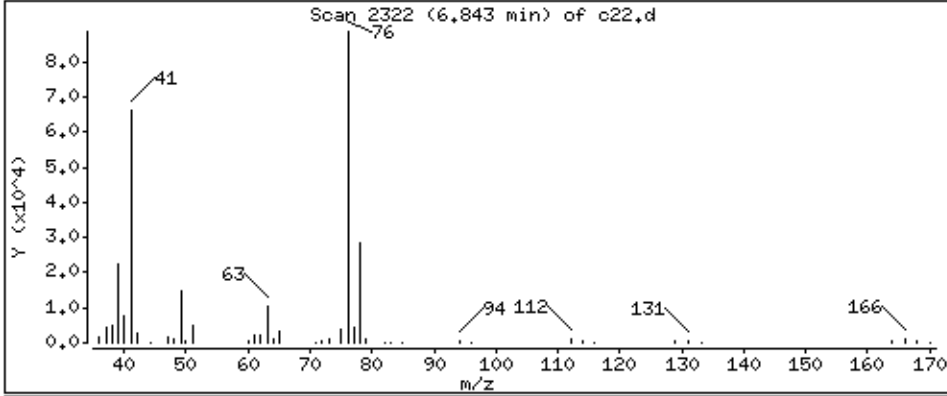
Operator: amv

Column phase: DB-624

Column diameter: 0,18

63 1,3-Dichloropropane

Concentration: 55,3 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

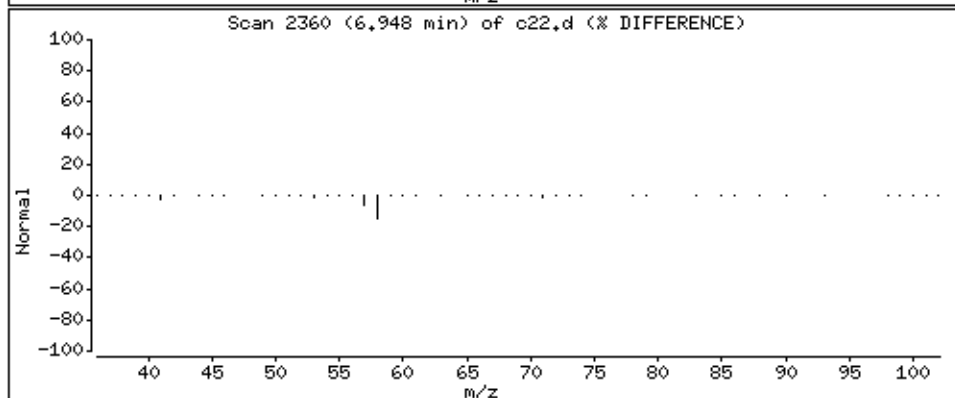
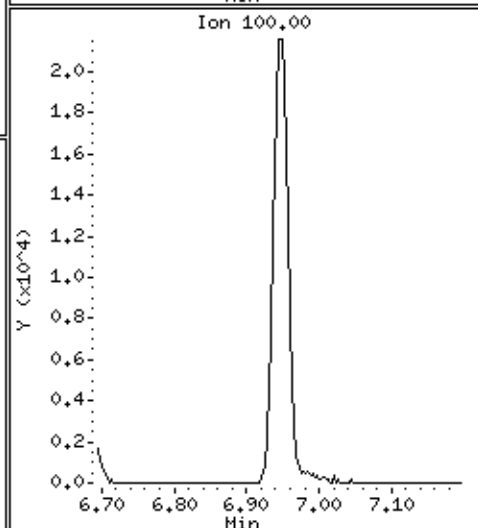
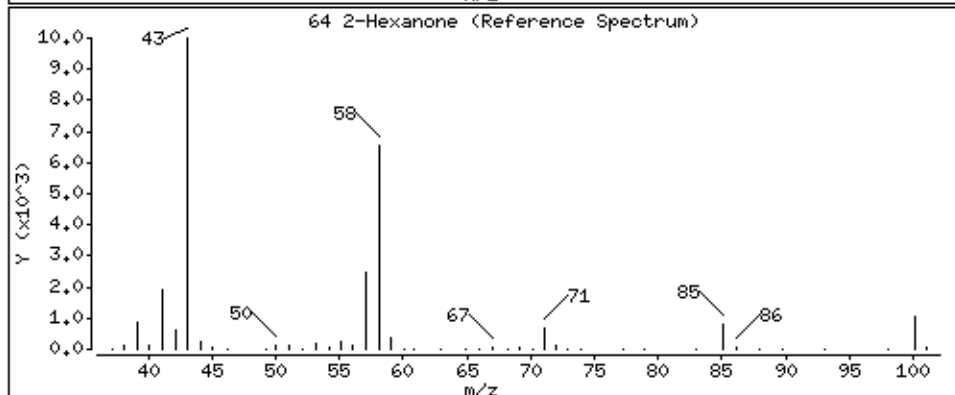
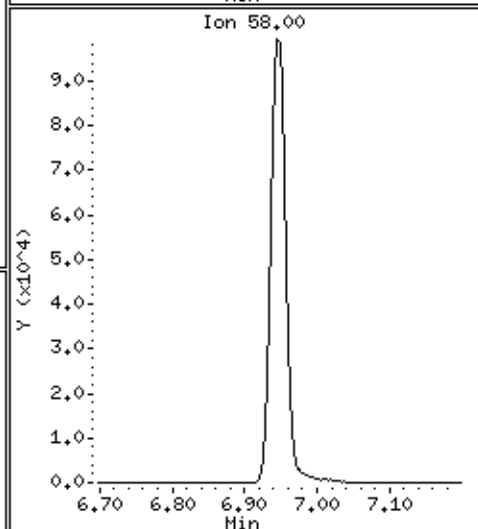
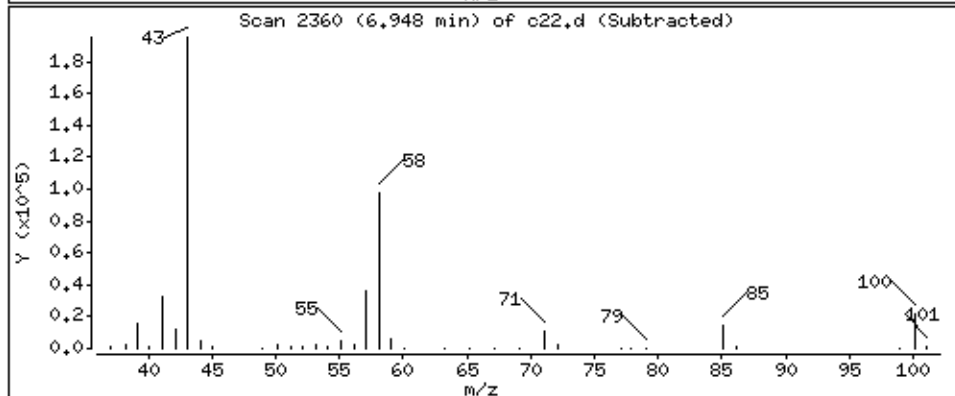
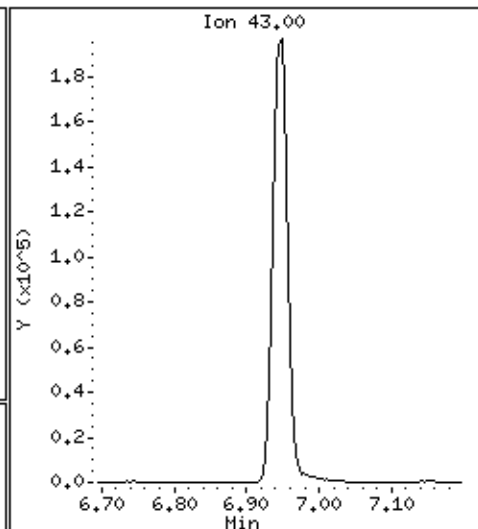
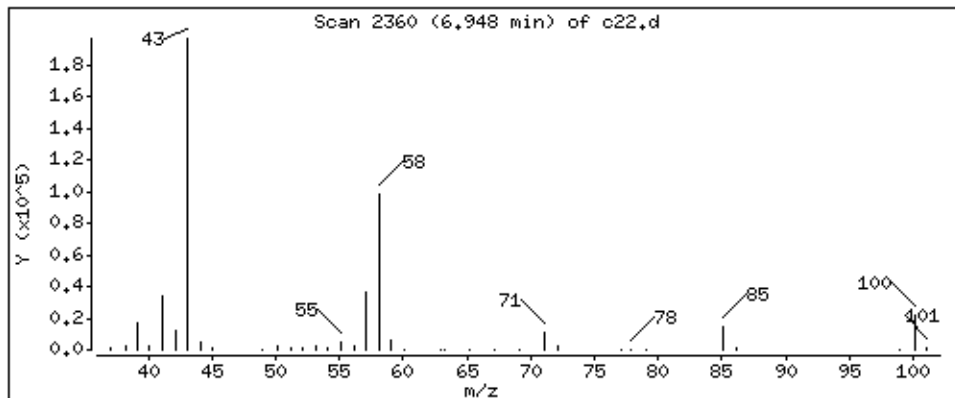
Operator: amv

Column phase: DB-624

Column diameter: 0,18

64 2-Hexanone

Concentration: 206 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

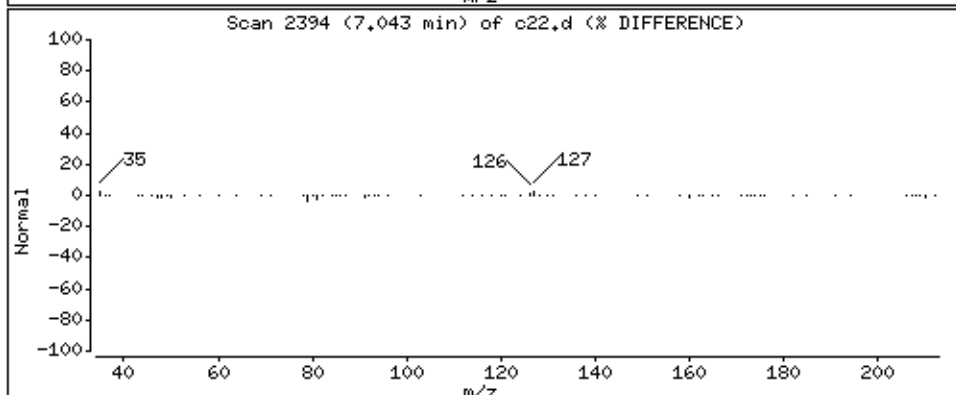
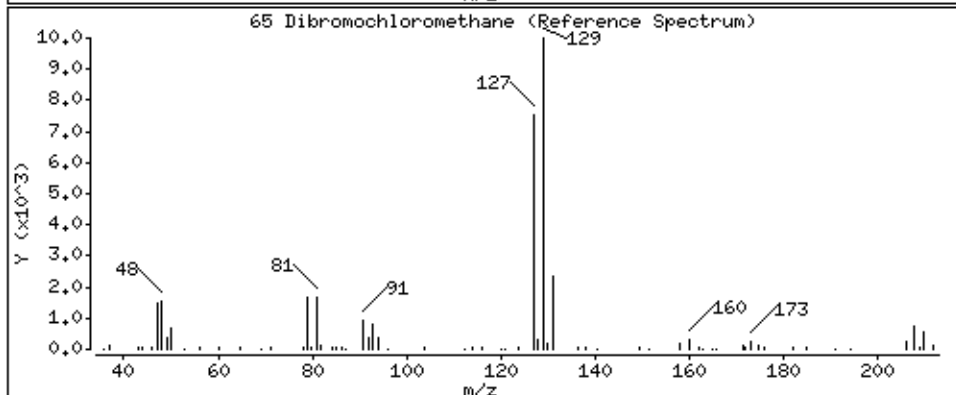
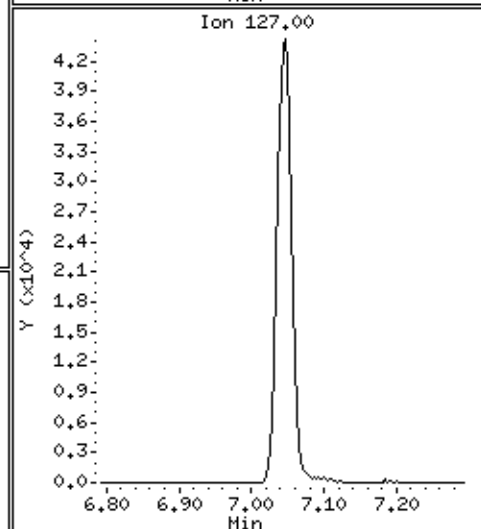
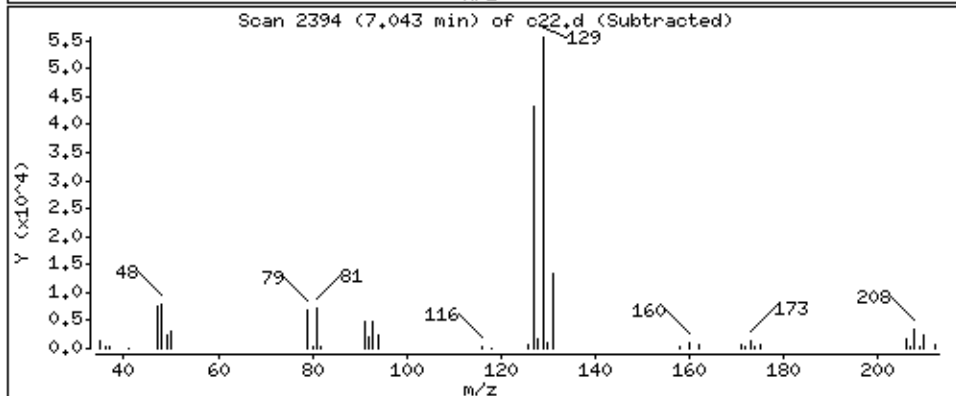
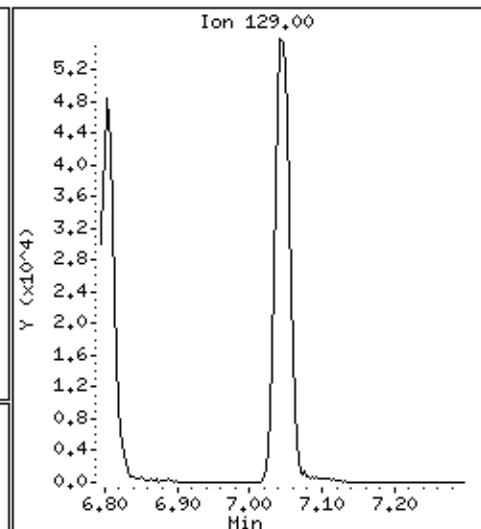
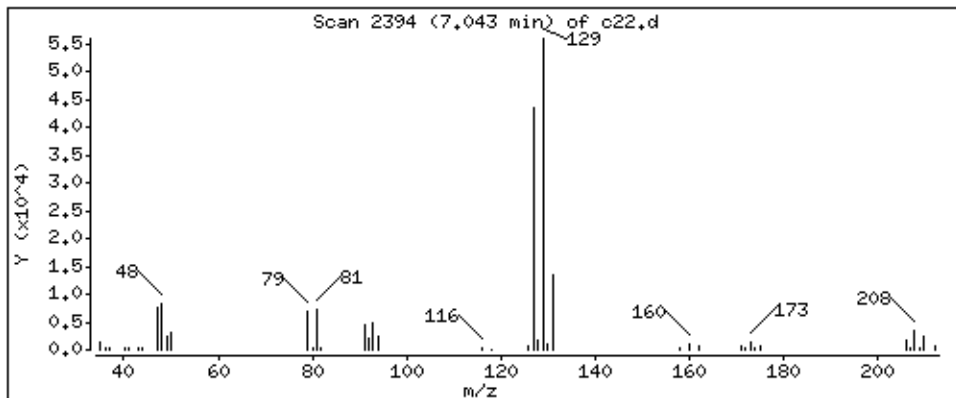
Operator: amv

Column phase: DB-624

Column diameter: 0,18

65 Dibromochloromethane

Concentration: 52.2 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

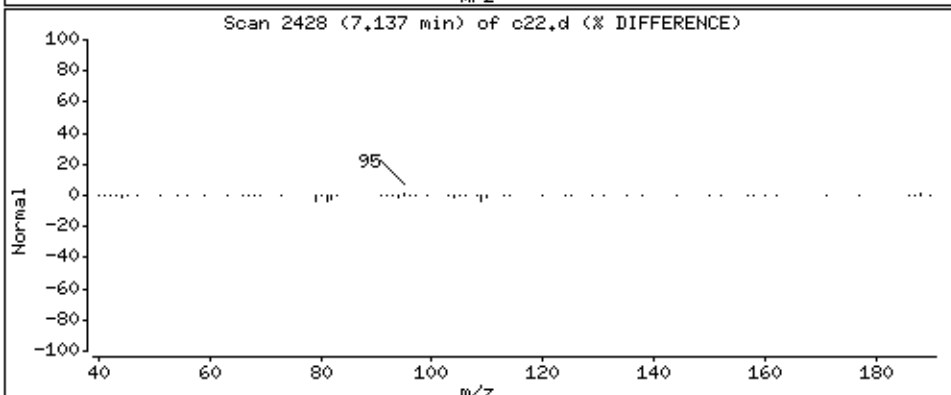
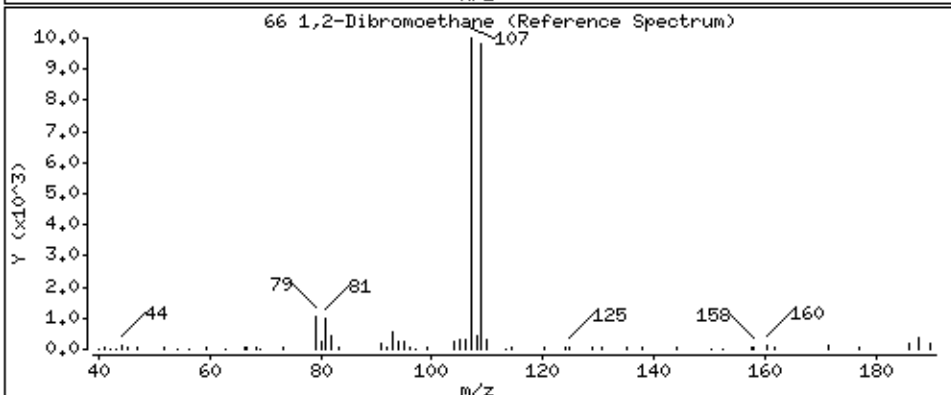
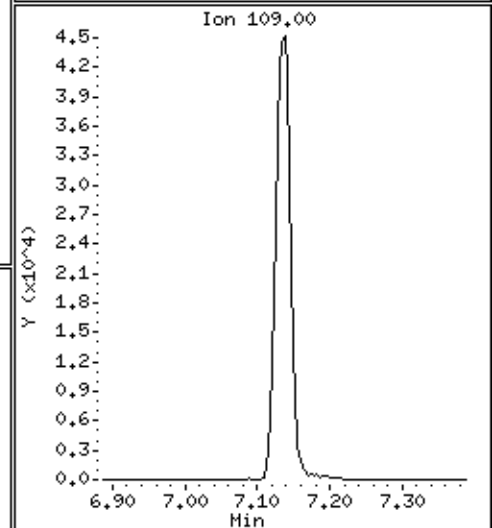
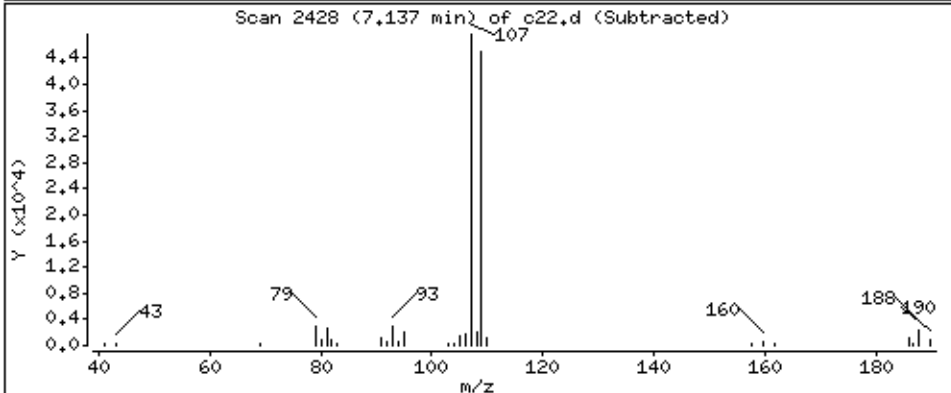
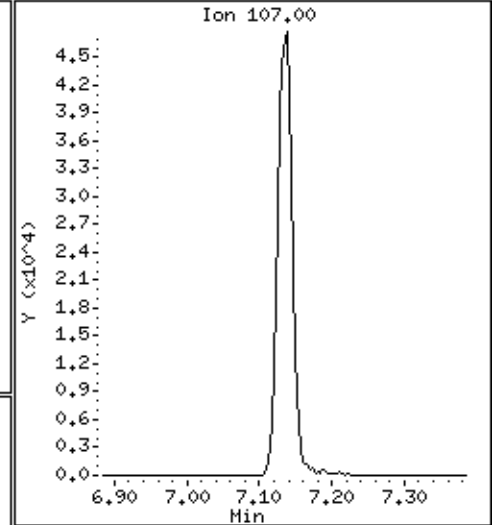
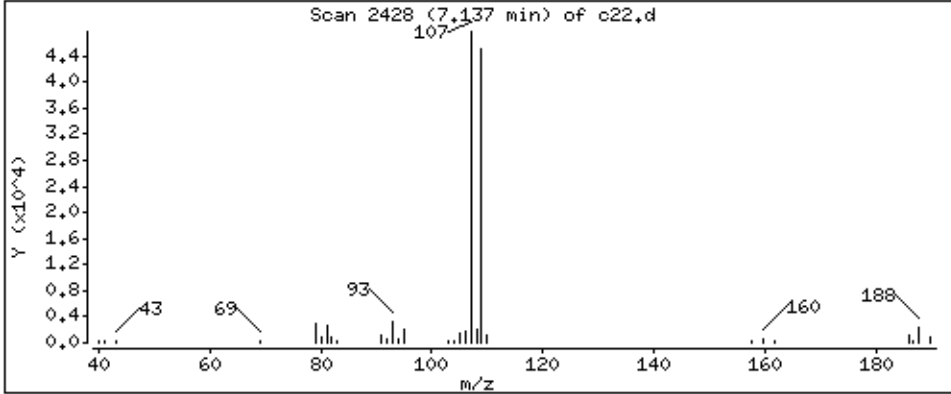
Operator: amv

Column phase: DB-624

Column diameter: 0.18

66 1,2-Dibromoethane

Concentration: 52.6 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

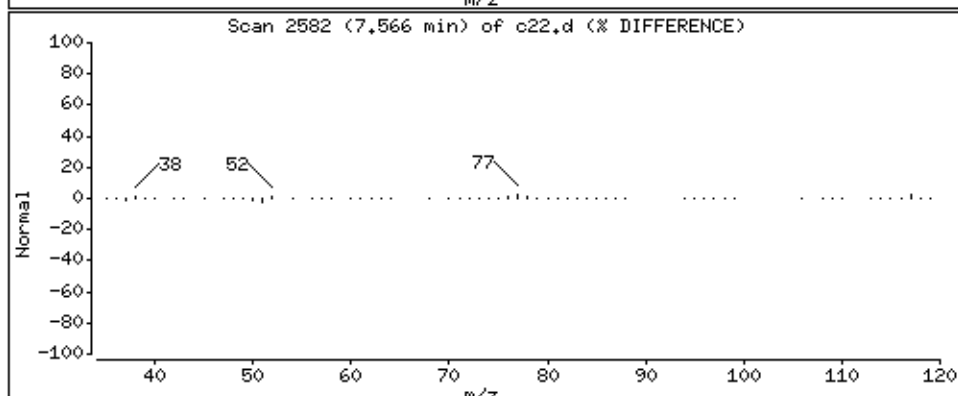
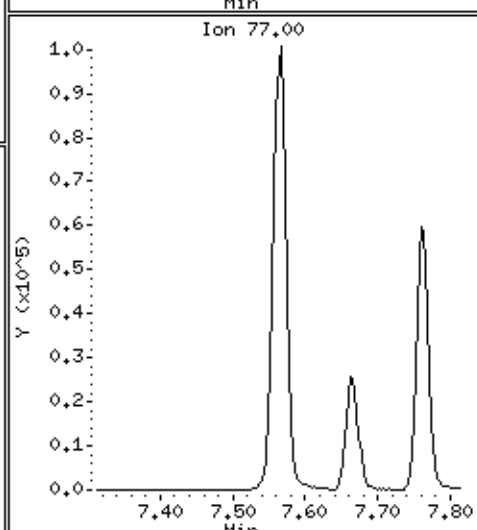
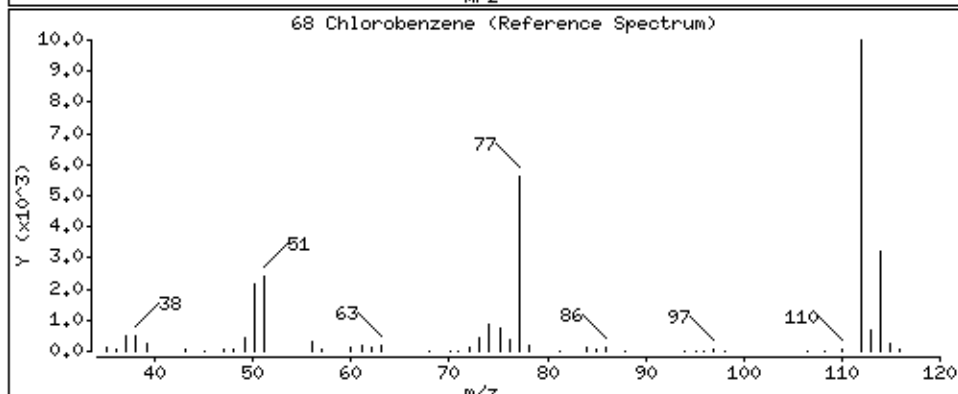
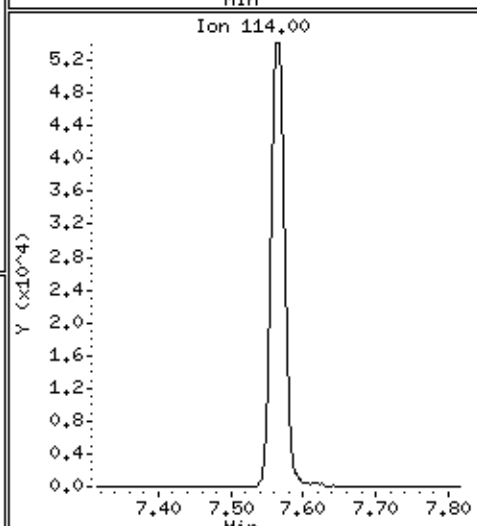
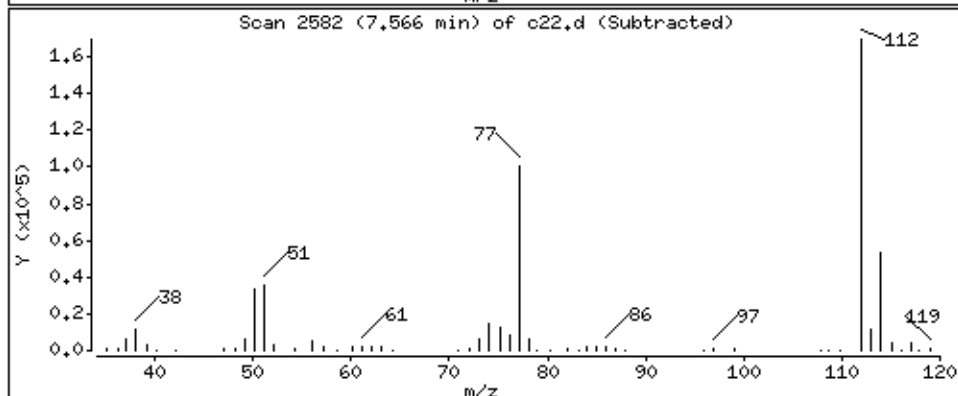
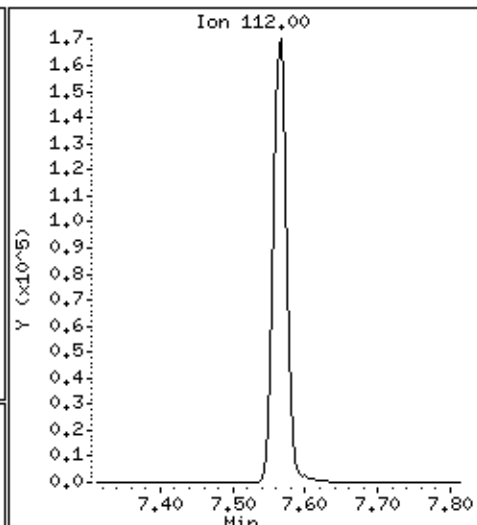
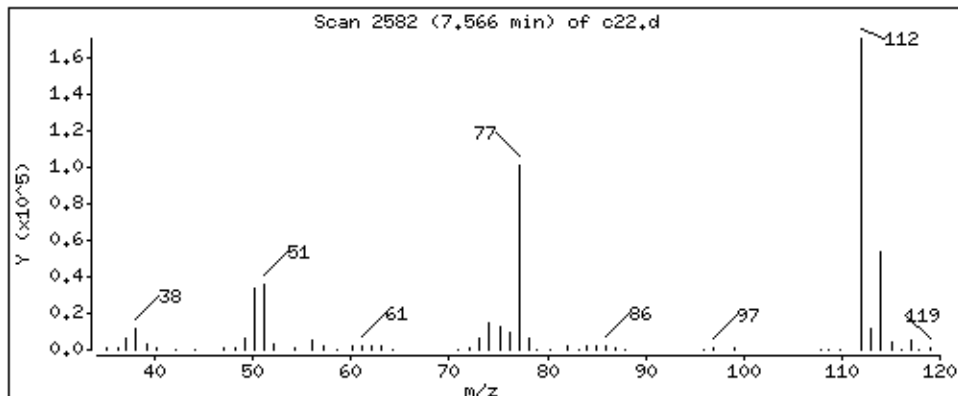
Operator: amv

Column phase: DB-624

Column diameter: 0.18

68 Chlorobenzene

Concentration: 53.6 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

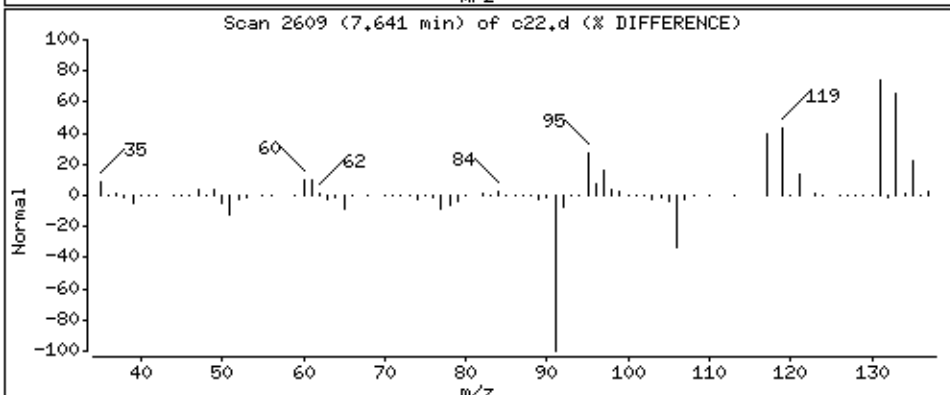
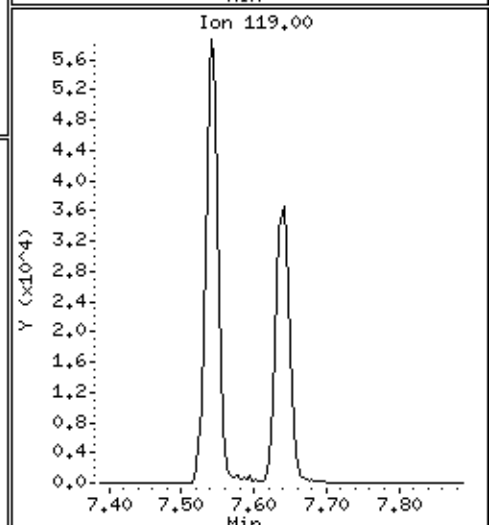
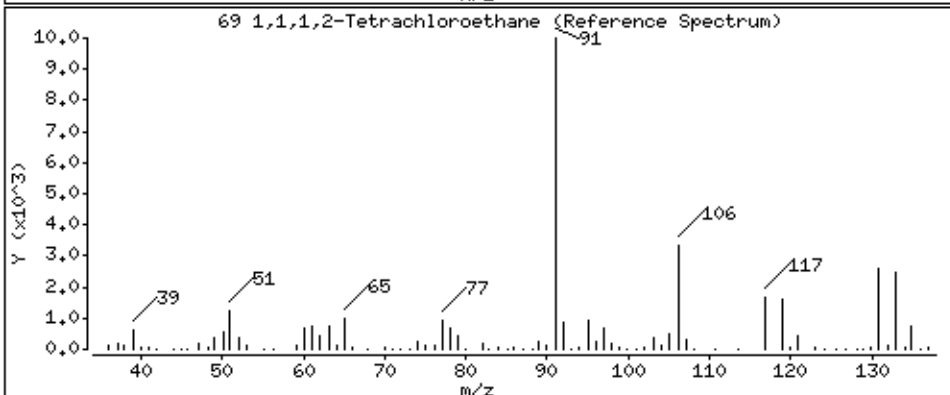
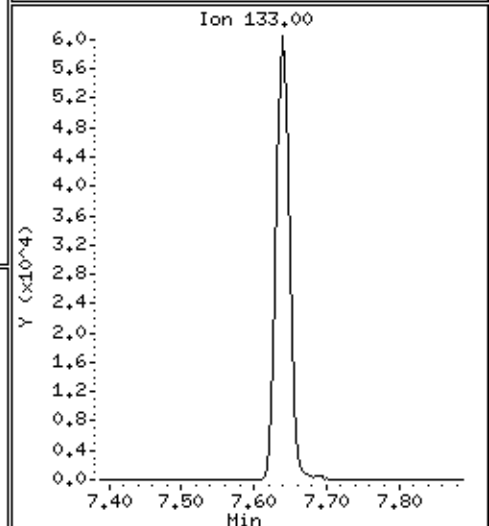
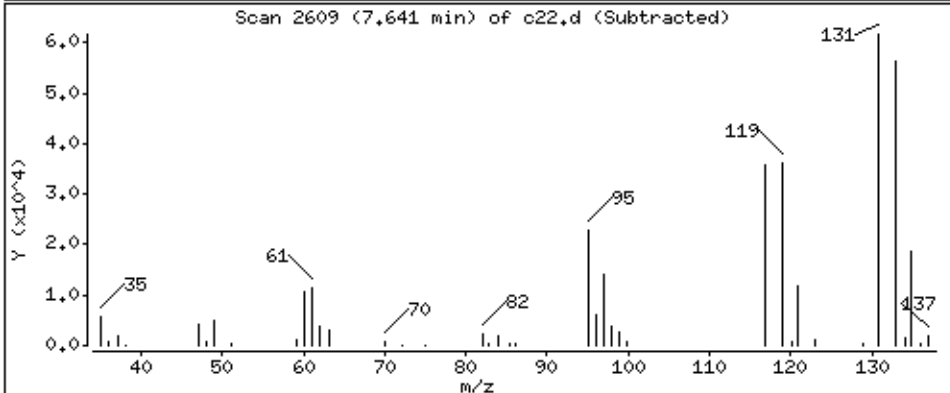
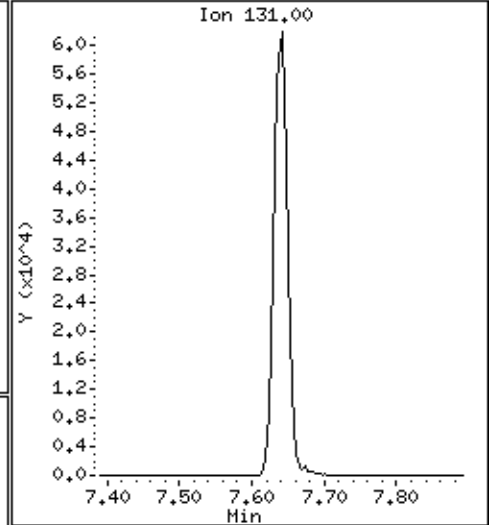
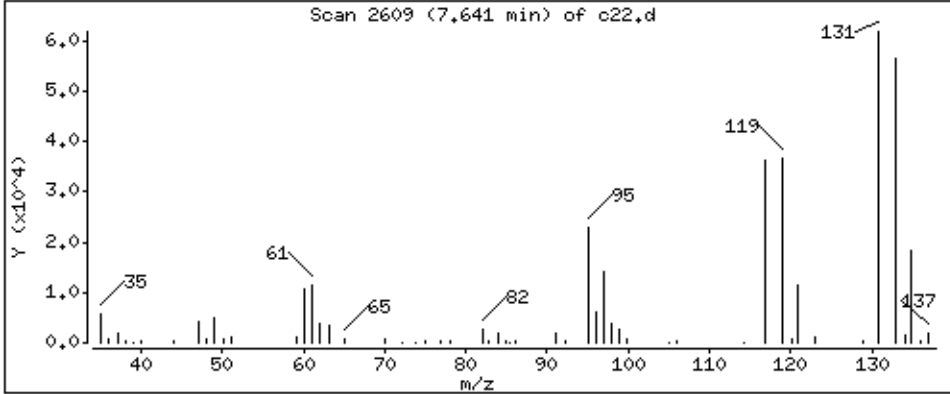
Operator: amv

Column phase: DB-624

Column diameter: 0,18

69 1,1,1,2-Tetrachloroethane

Concentration: 51.9 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

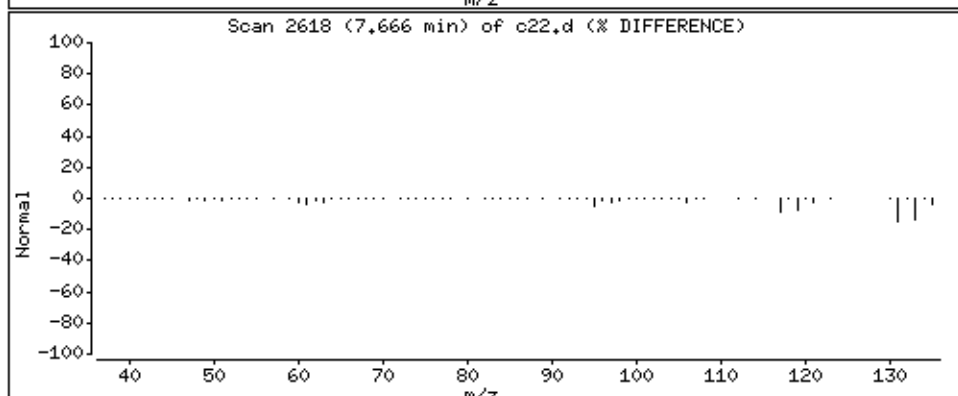
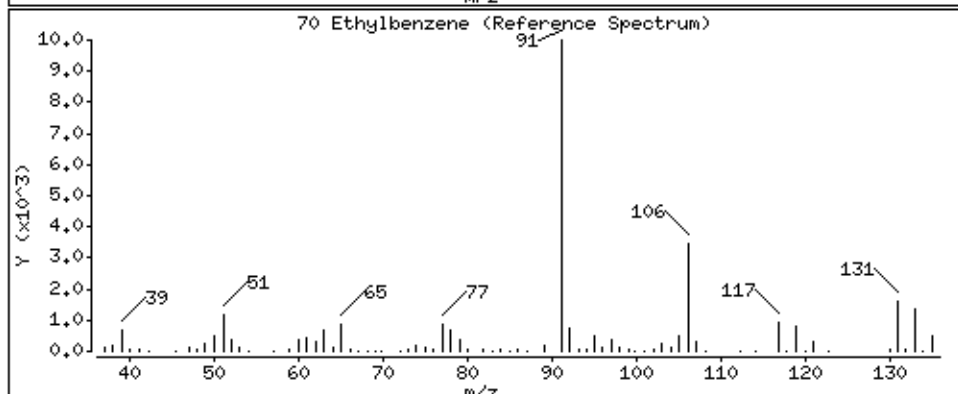
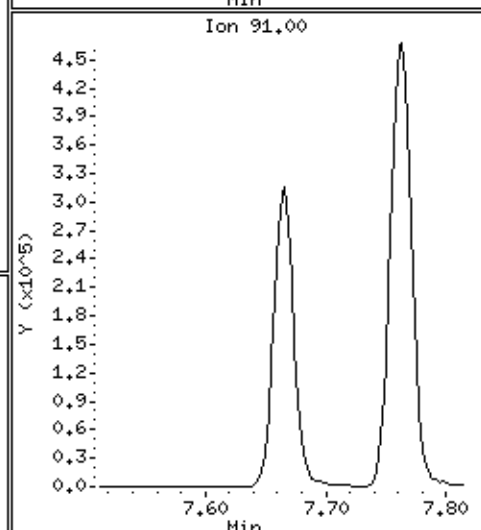
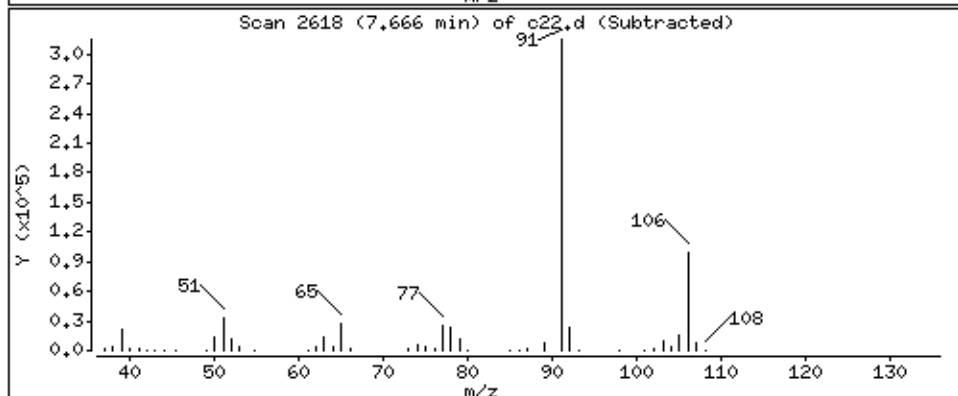
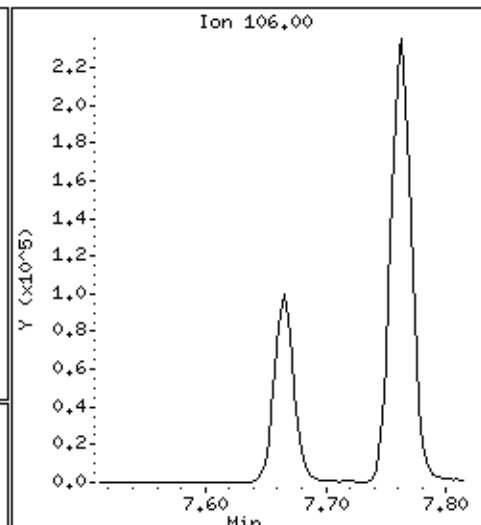
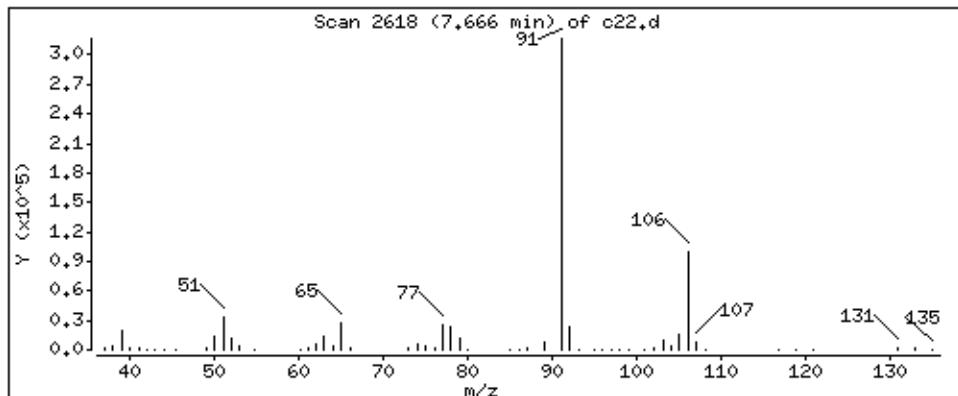
Operator: amv

Column phase: DB-624

Column diameter: 0.18

70 Ethylbenzene

Concentration: 51.4 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

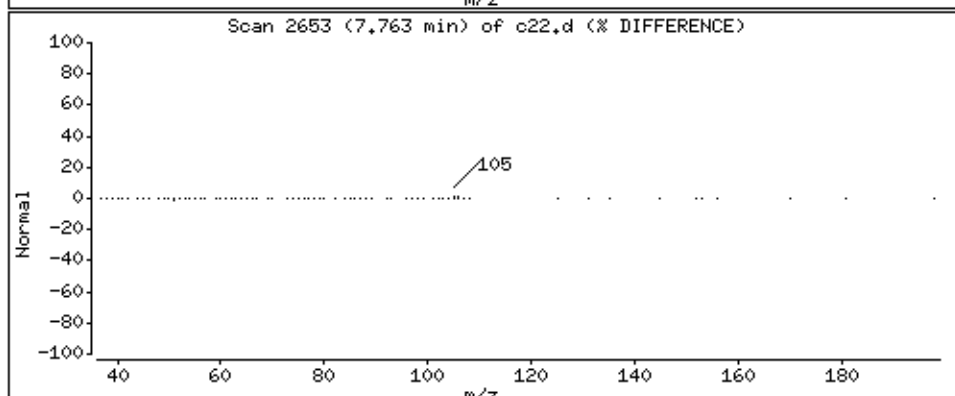
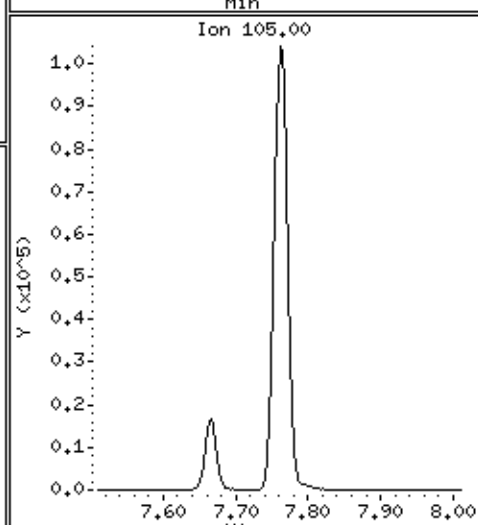
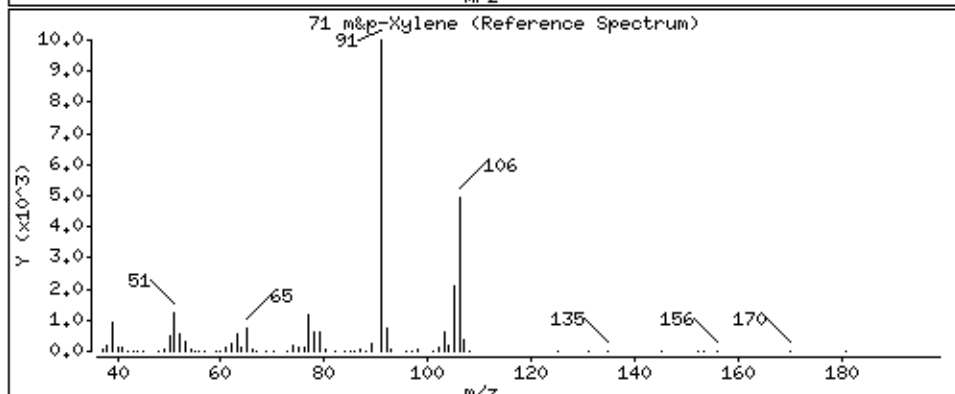
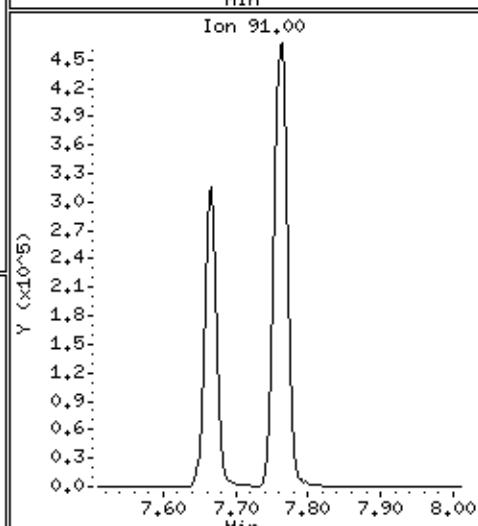
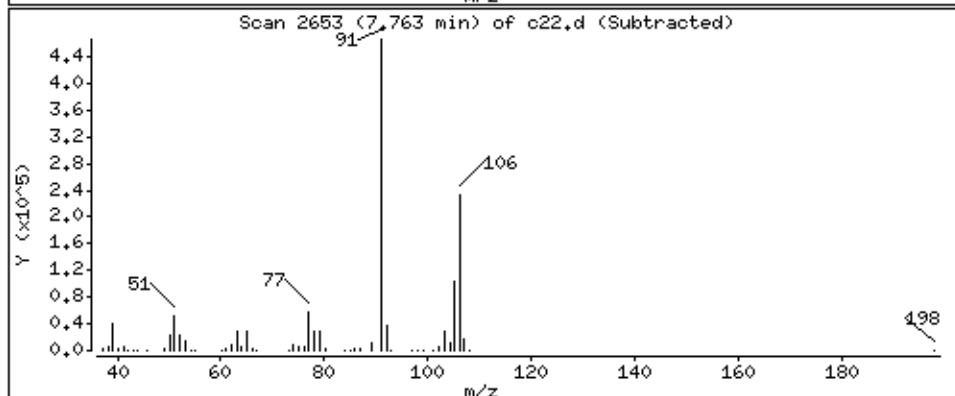
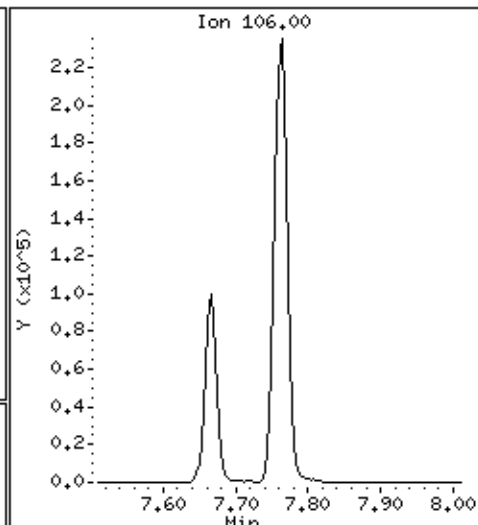
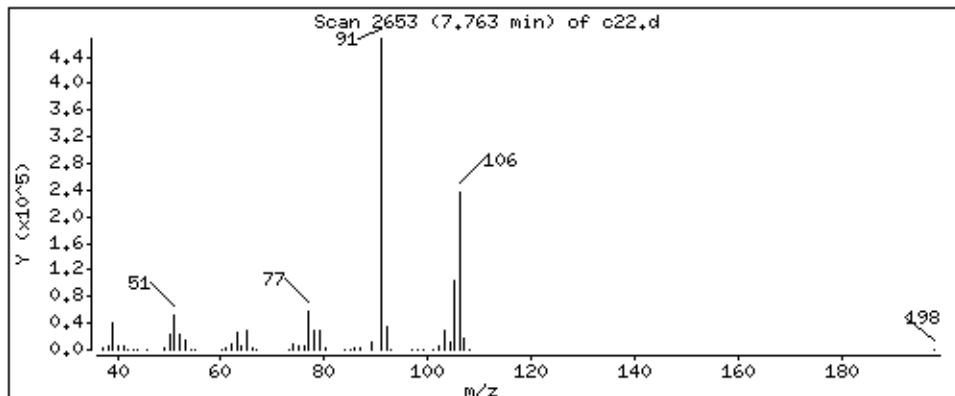
Operator: amv

Column phase: DB-624

Column diameter: 0,18

71 m&p-Xylene

Concentration: 100 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

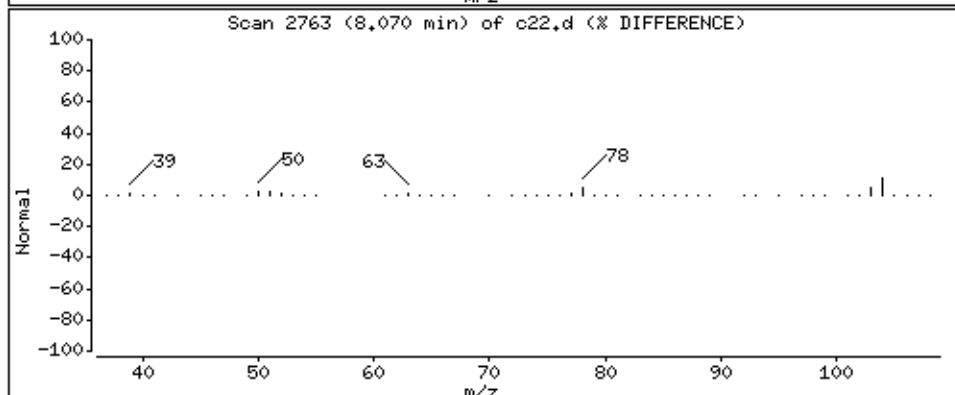
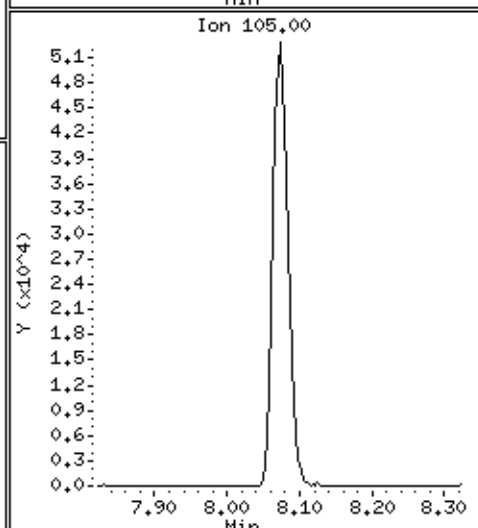
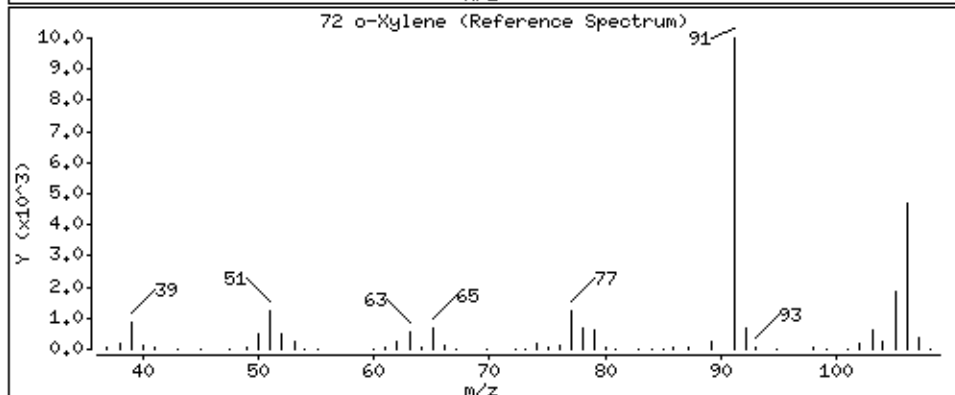
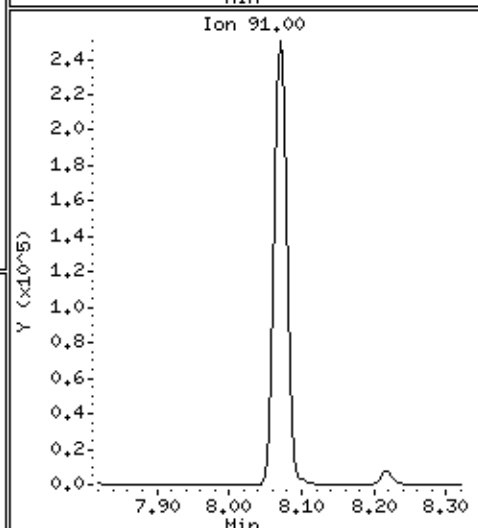
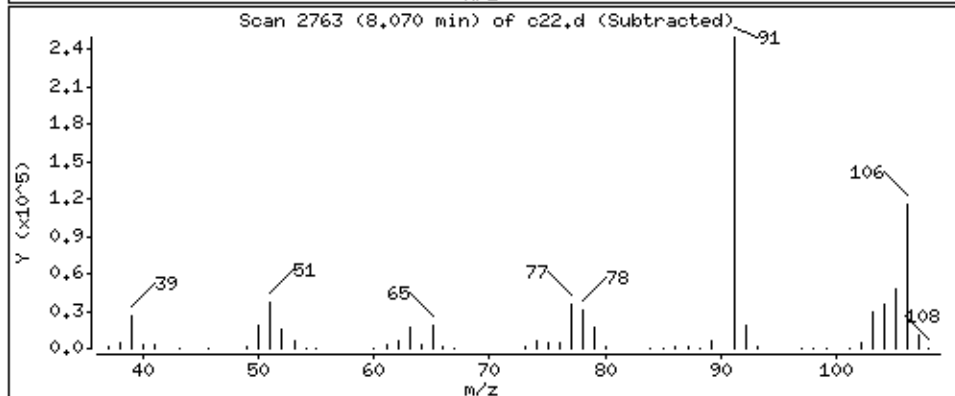
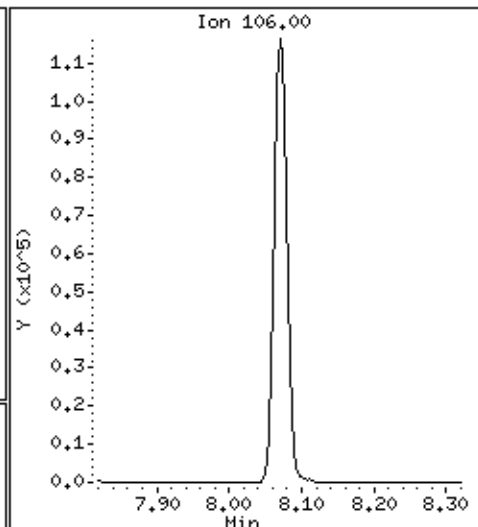
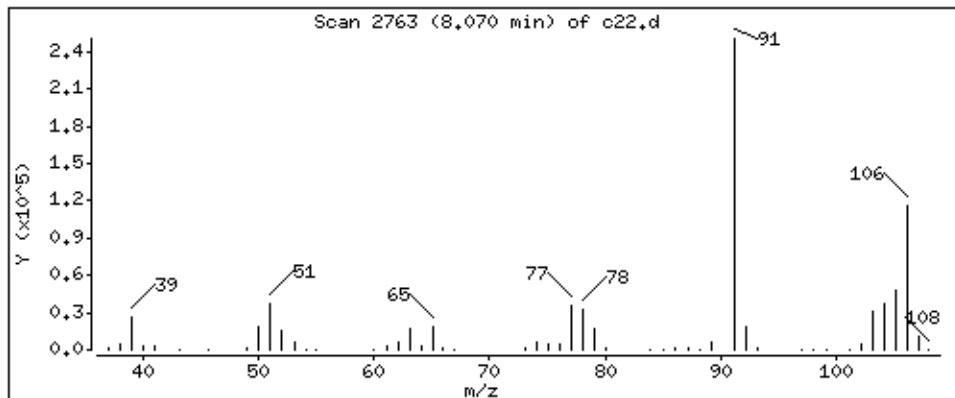
Operator: amv

Column phase: DB-624

Column diameter: 0.18

72 o-Xylene

Concentration: 53.1 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

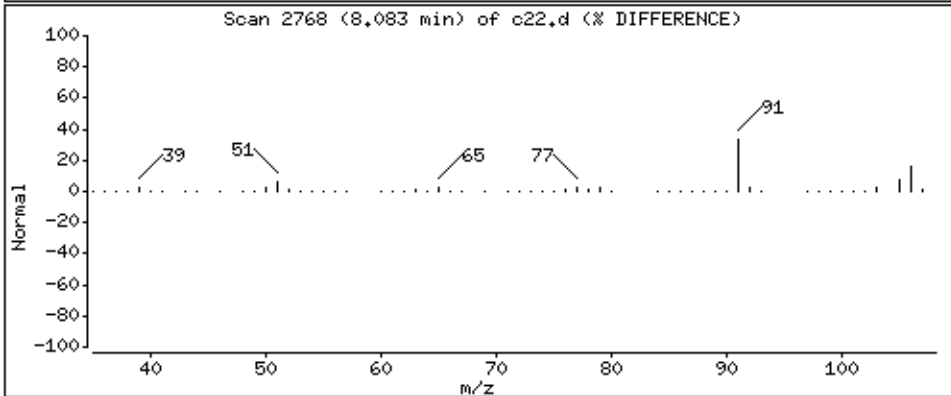
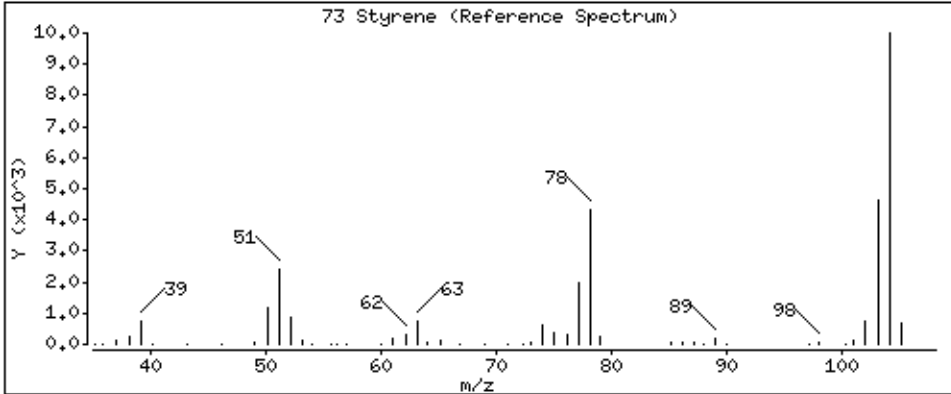
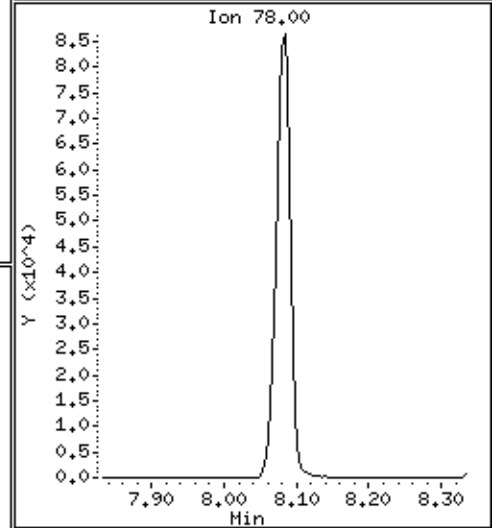
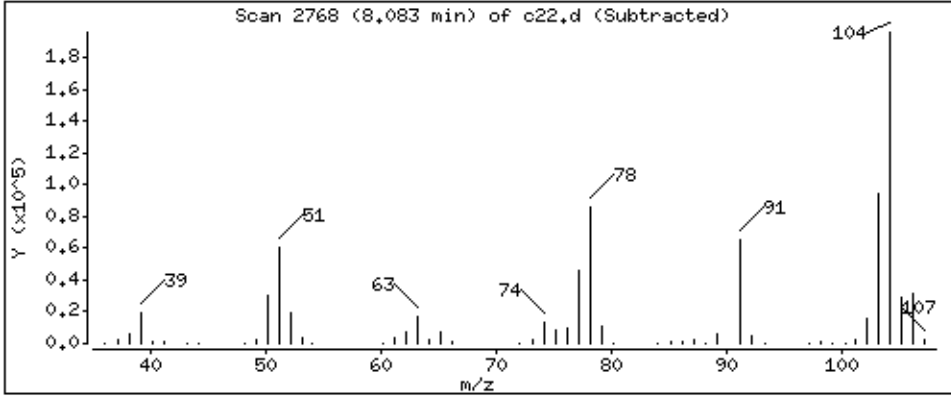
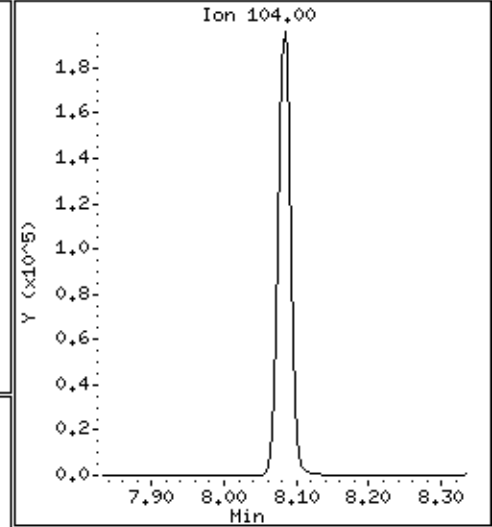
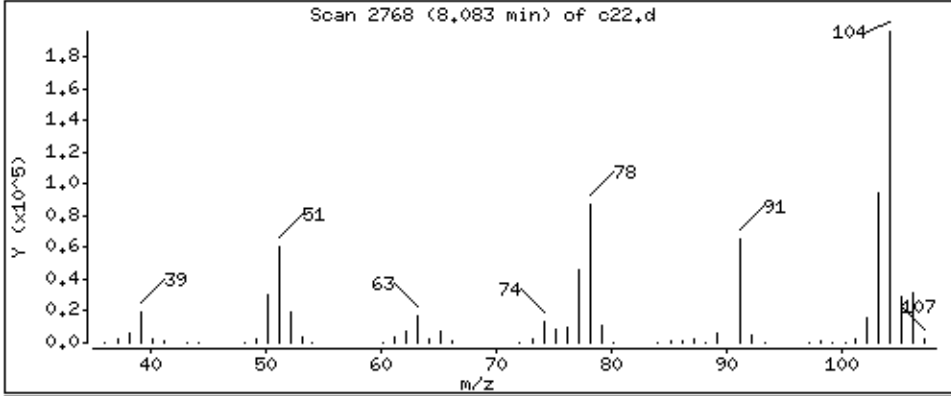
Operator: amv

Column phase: DB-624

Column diameter: 0.18

73 Styrene

Concentration: 51.7 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

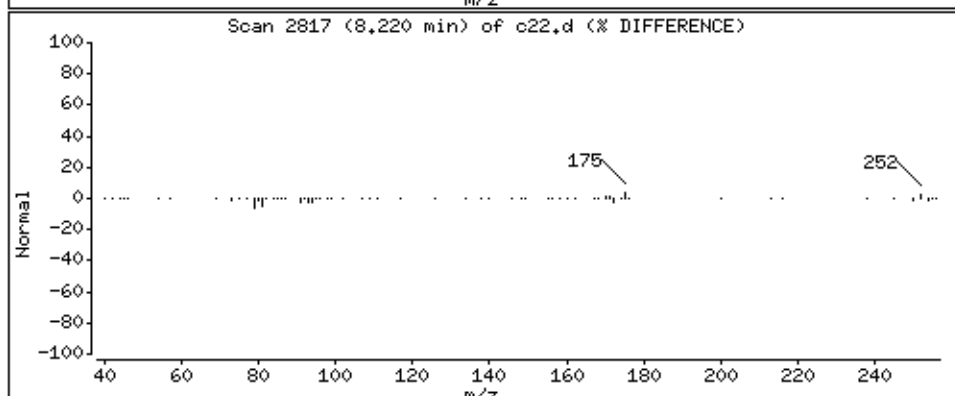
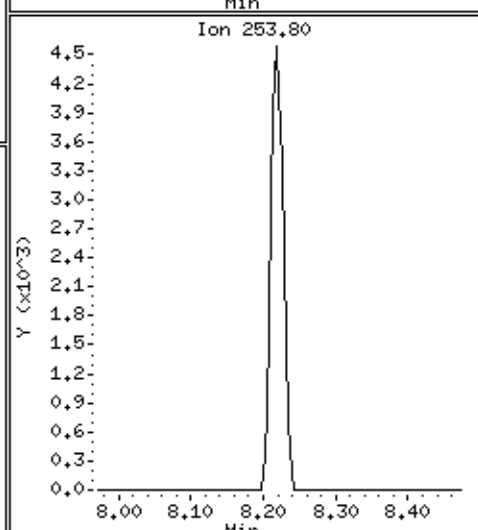
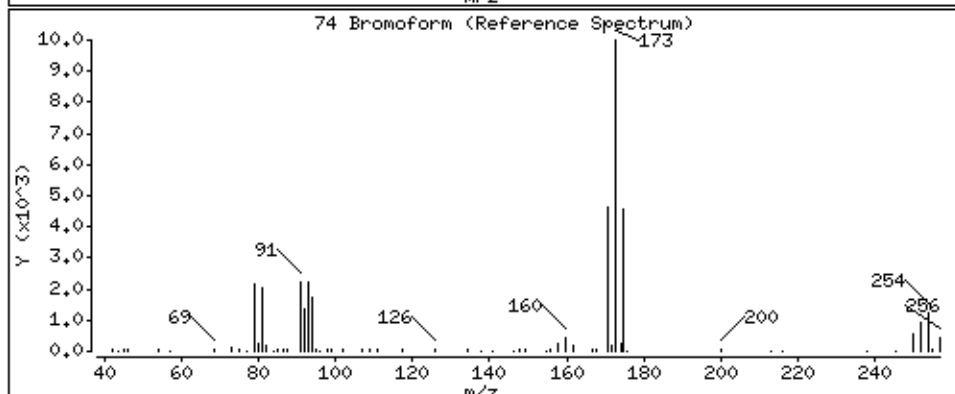
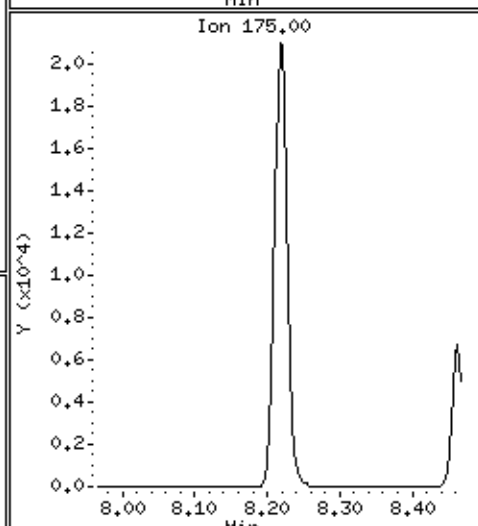
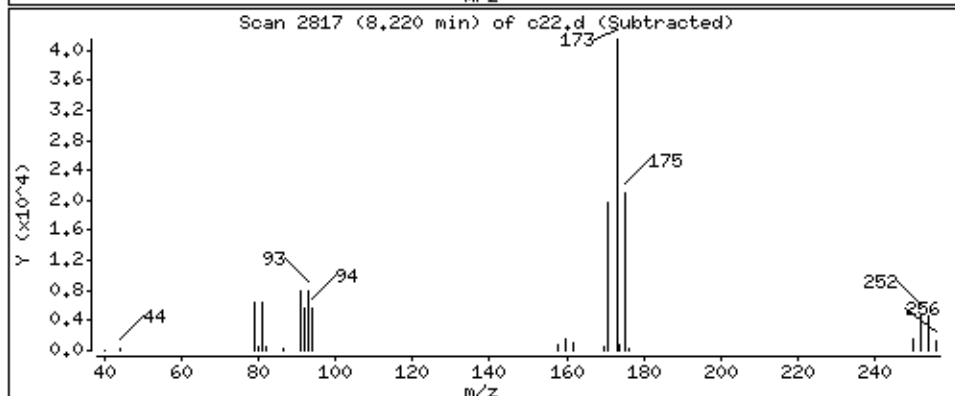
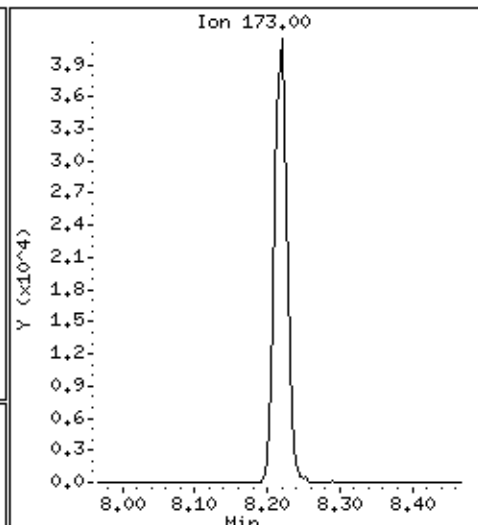
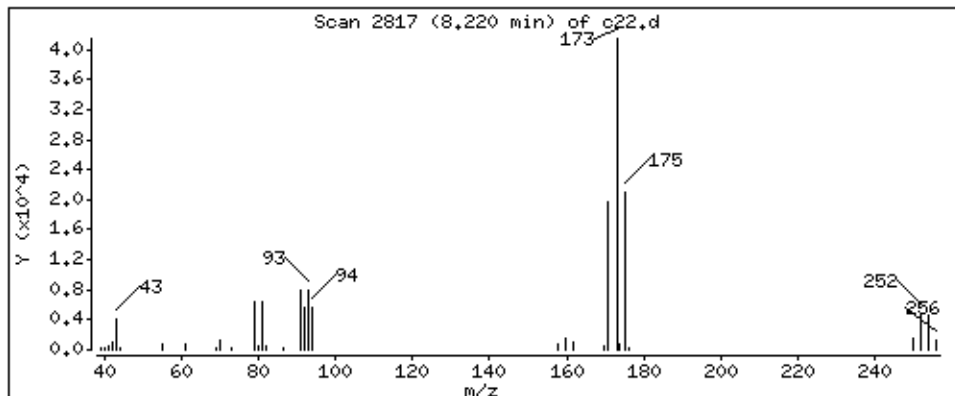
Operator: amv

Column phase: DB-624

Column diameter: 0,18

74 Bromoform

Concentration: 44,5 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

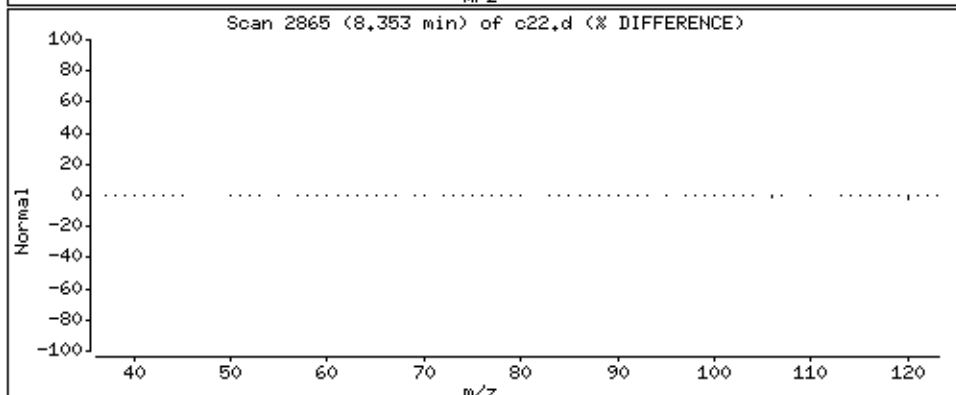
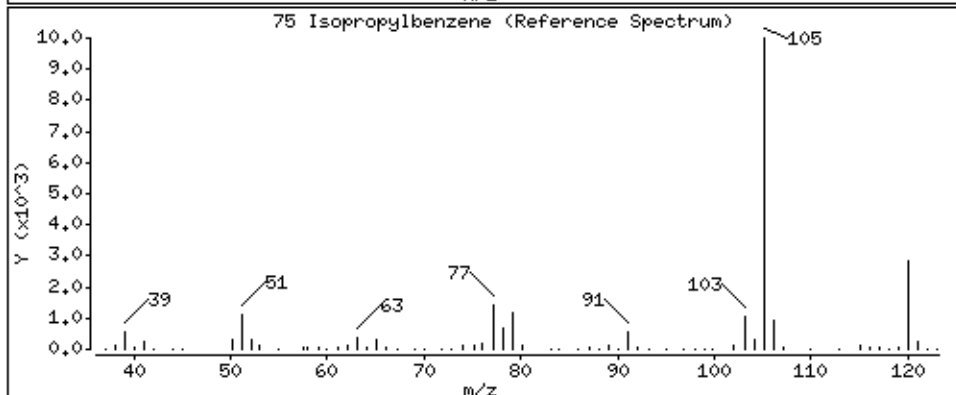
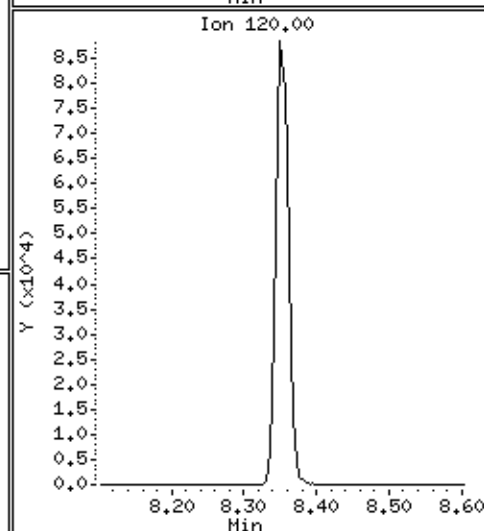
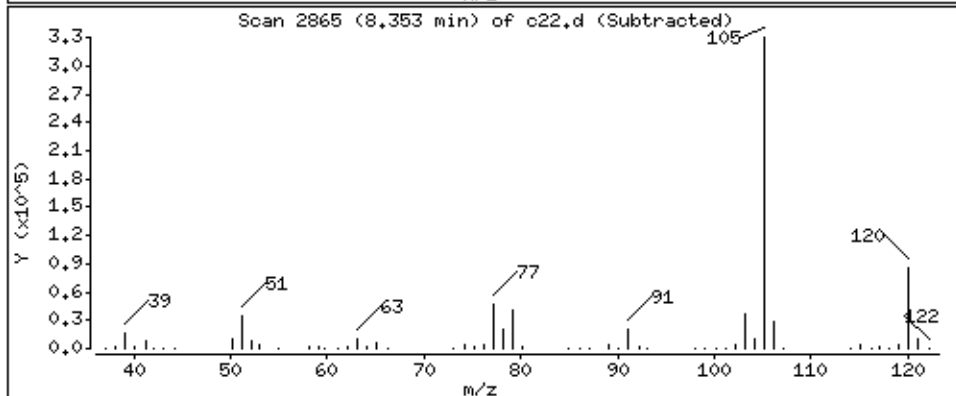
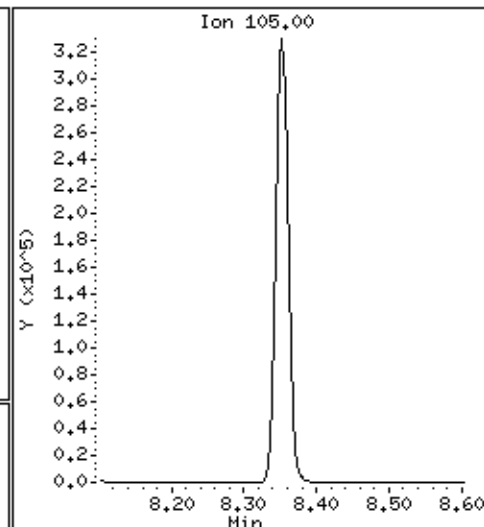
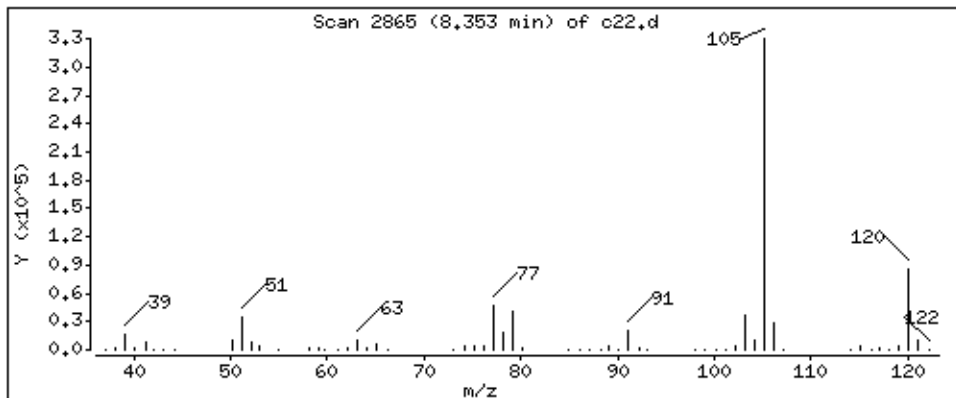
Operator: amv

Column phase: DB-624

Column diameter: 0,18

75 Isopropylbenzene

Concentration: 50,9 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

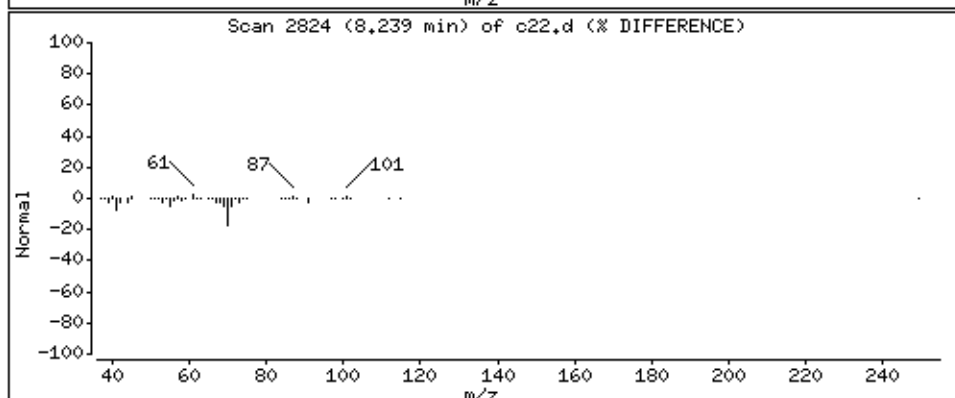
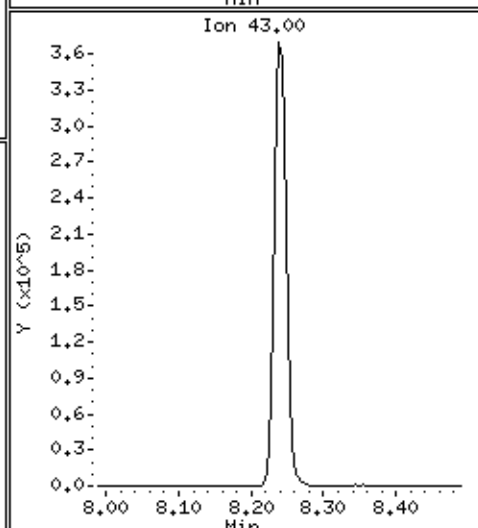
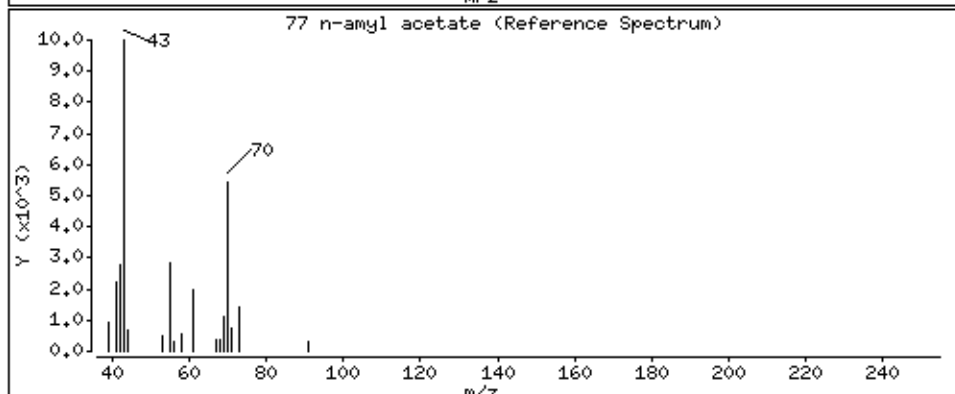
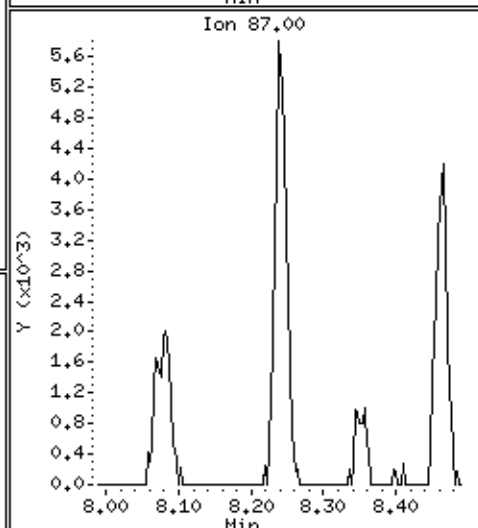
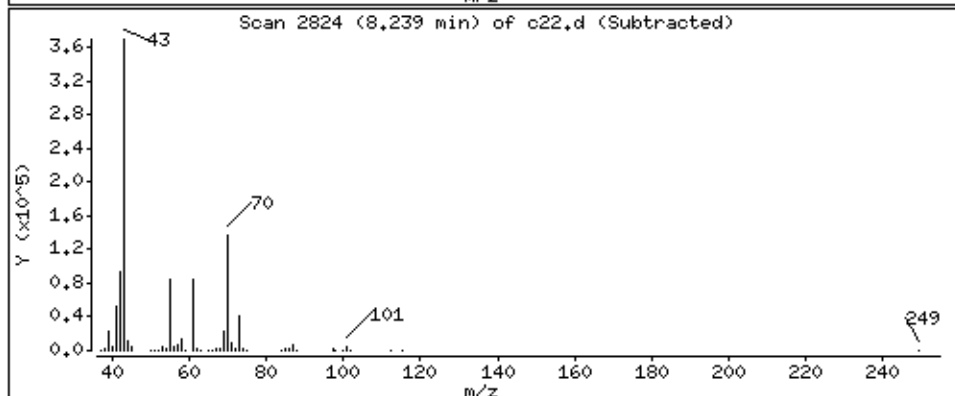
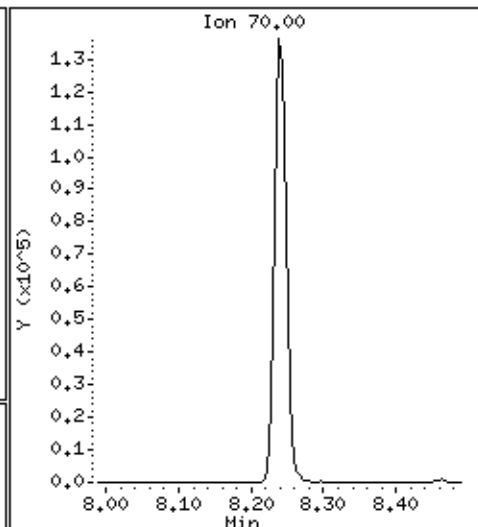
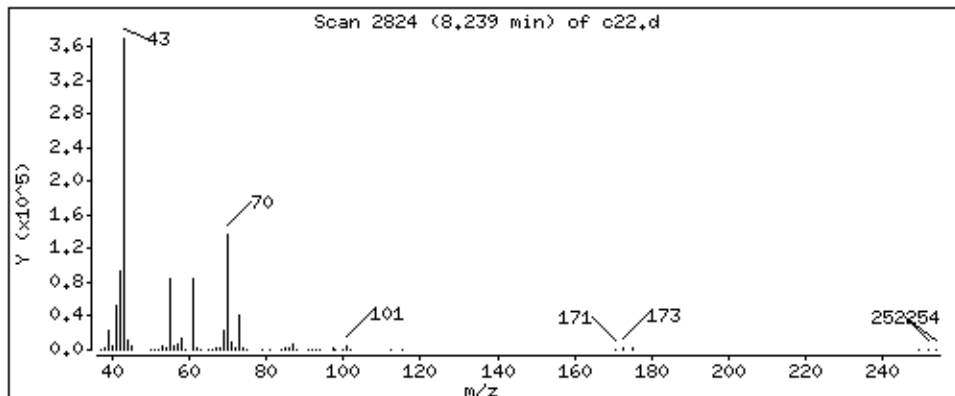
Operator: amv

Column phase: DB-624

Column diameter: 0,18

77 n-nyl acetate

Concentration: 137 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

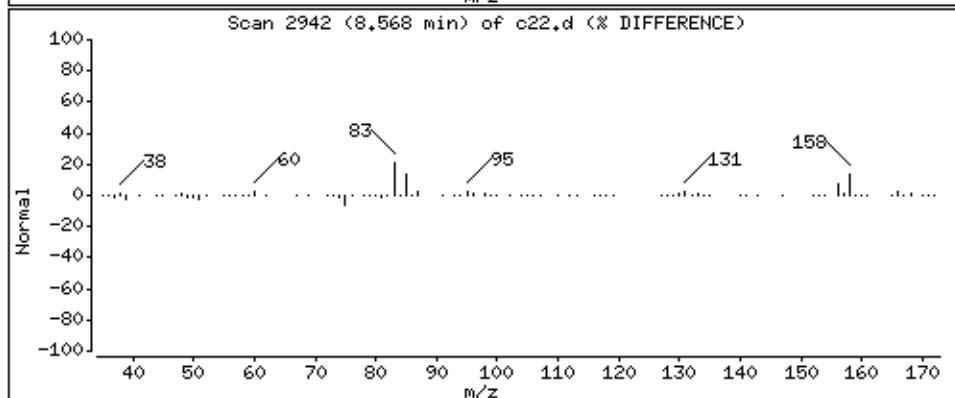
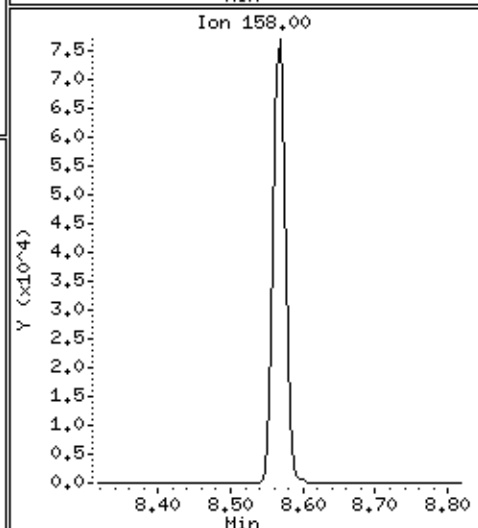
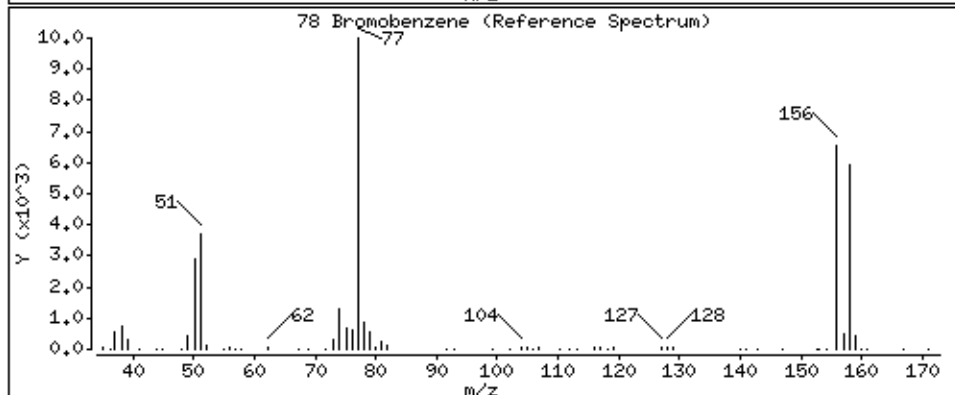
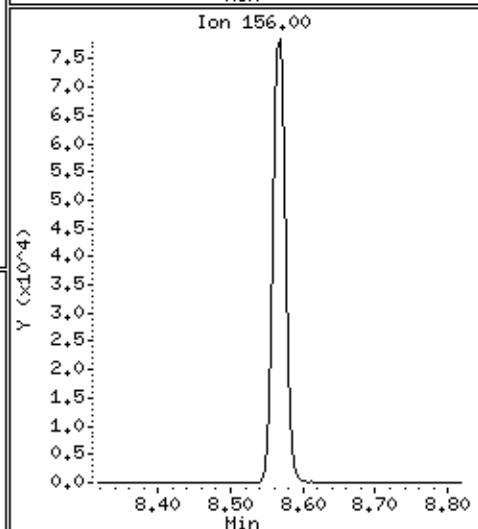
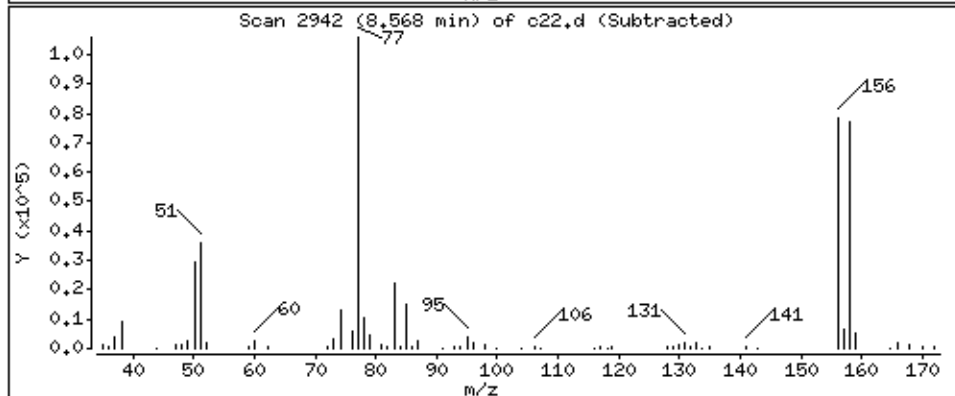
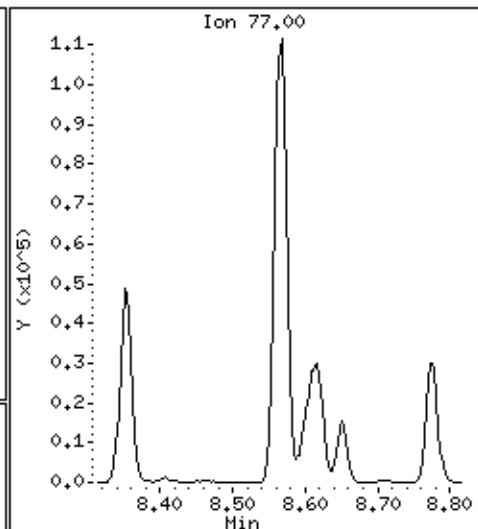
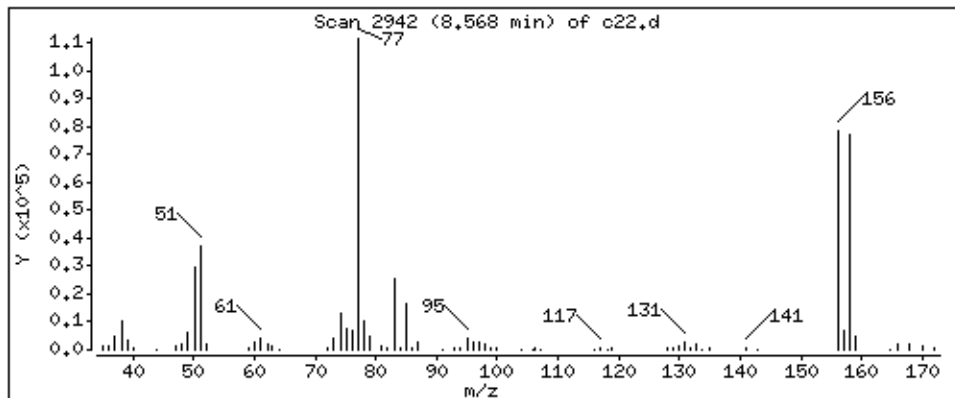
Operator: amv

Column phase: DB-624

Column diameter: 0,18

78 Bromobenzene

Concentration: 50,3 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

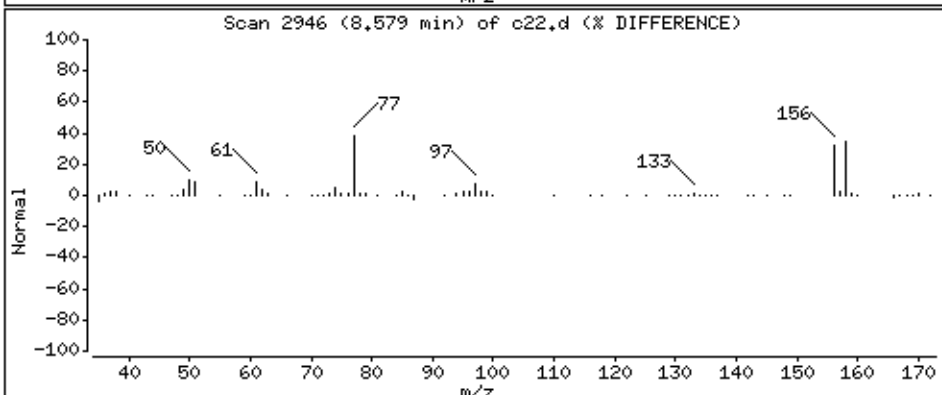
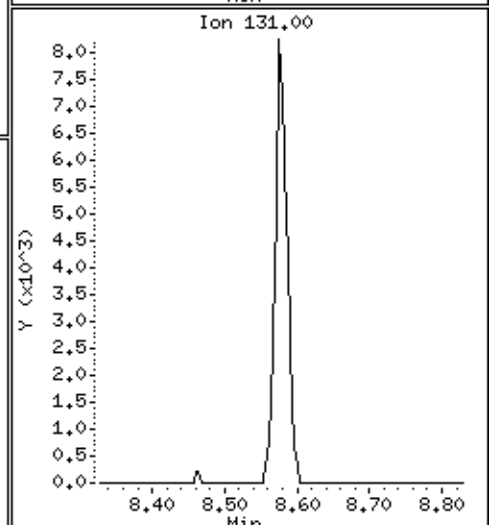
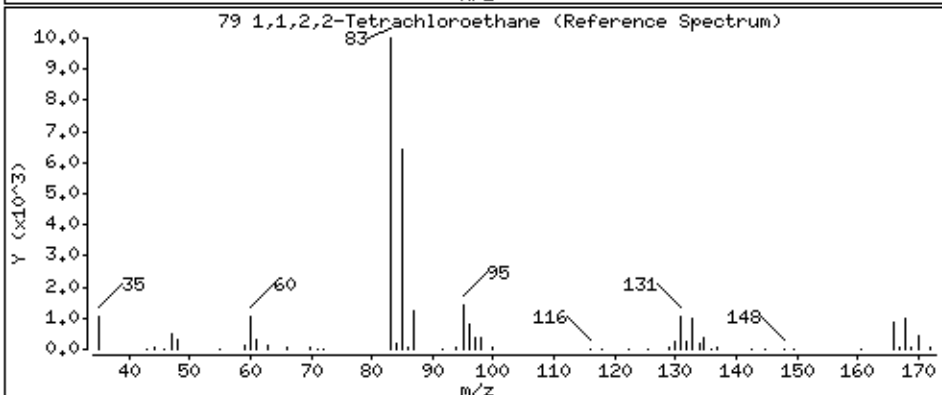
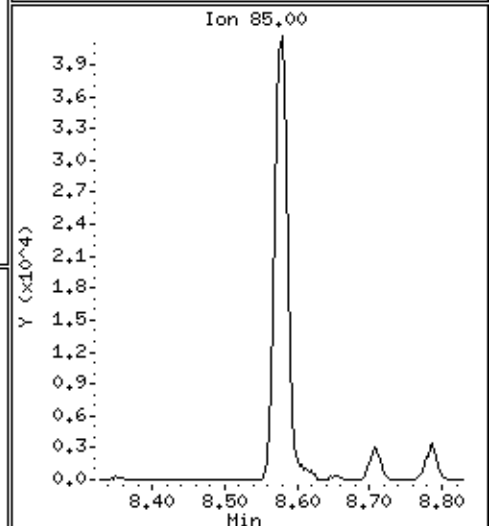
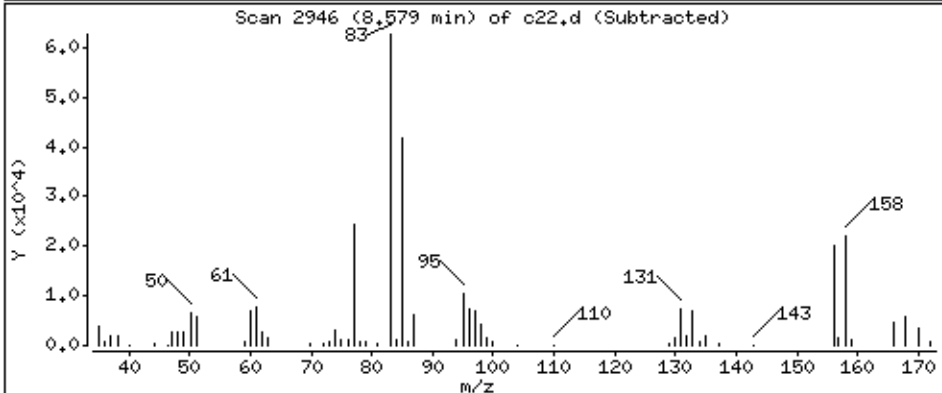
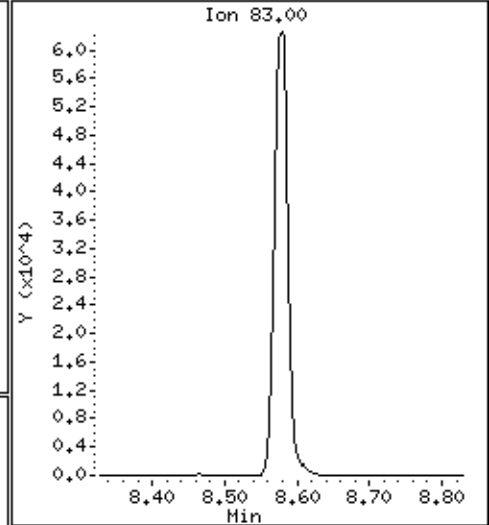
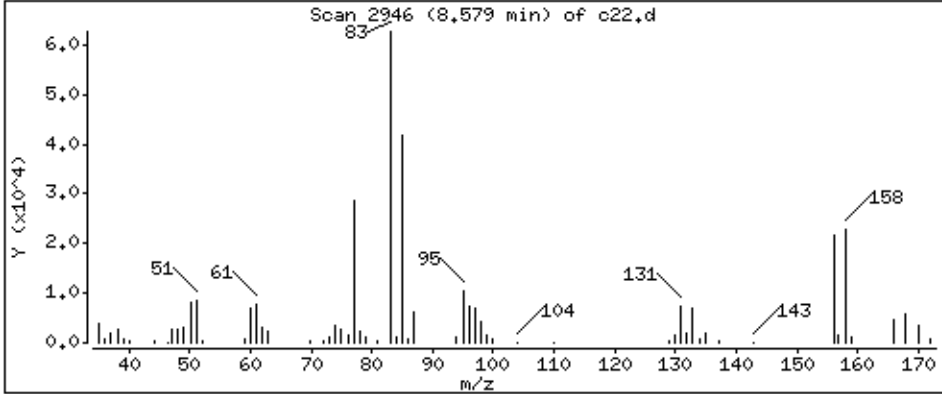
Operator: amv

Column phase: DB-624

Column diameter: 0,18

79 1,1,2,2-Tetrachloroethane

Concentration: 45,0 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

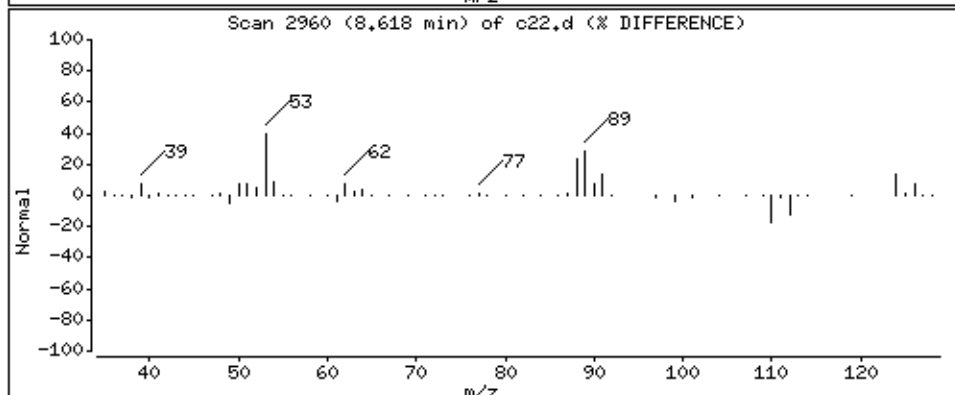
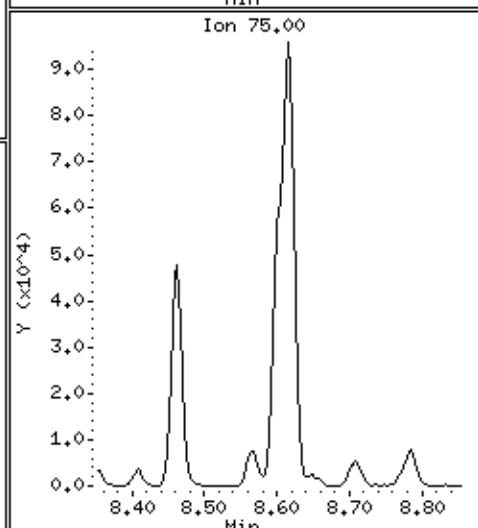
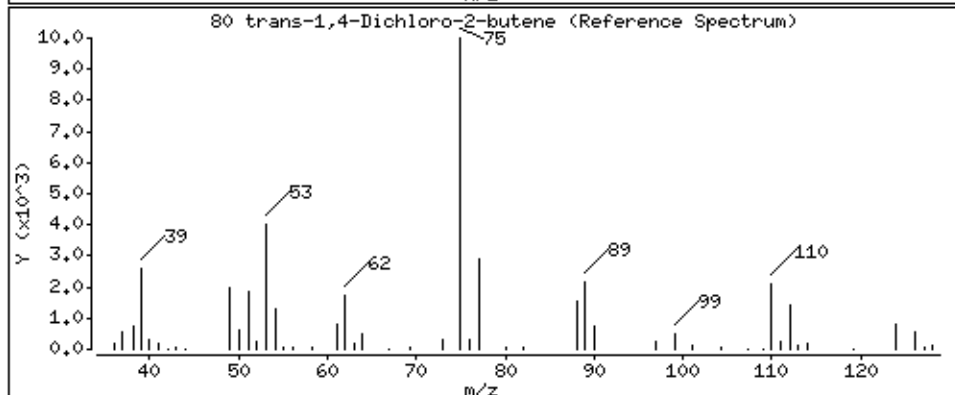
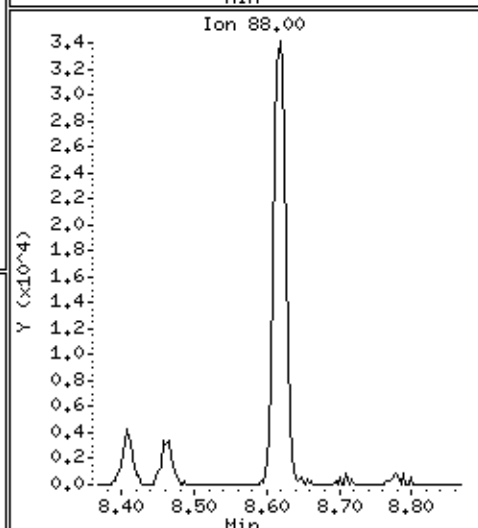
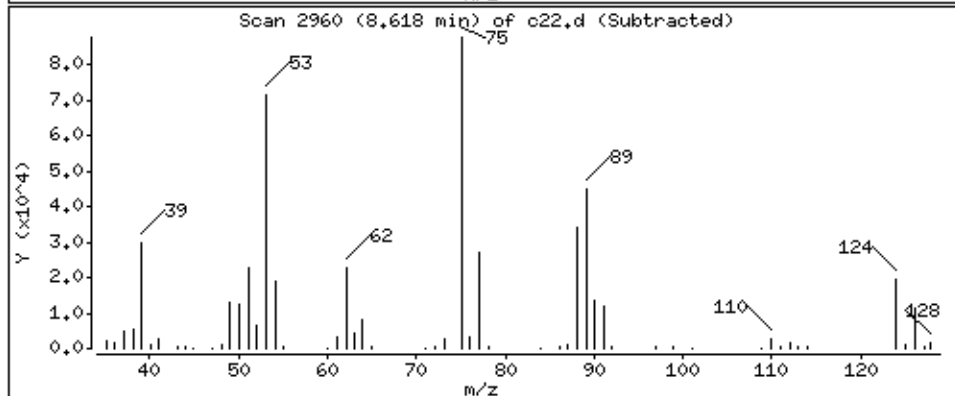
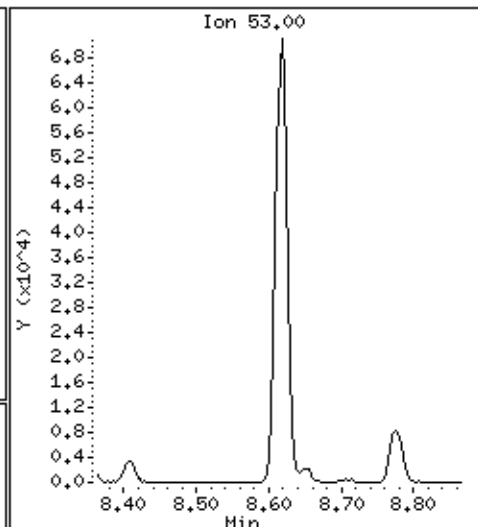
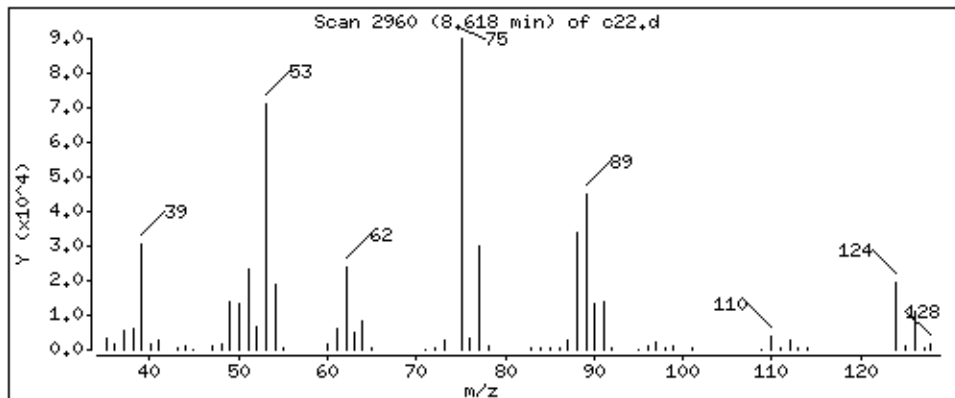
Operator: amv

Column phase: DB-624

Column diameter: 0,18

80 trans-1,4-Dichloro-2-butene

Concentration: 132 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

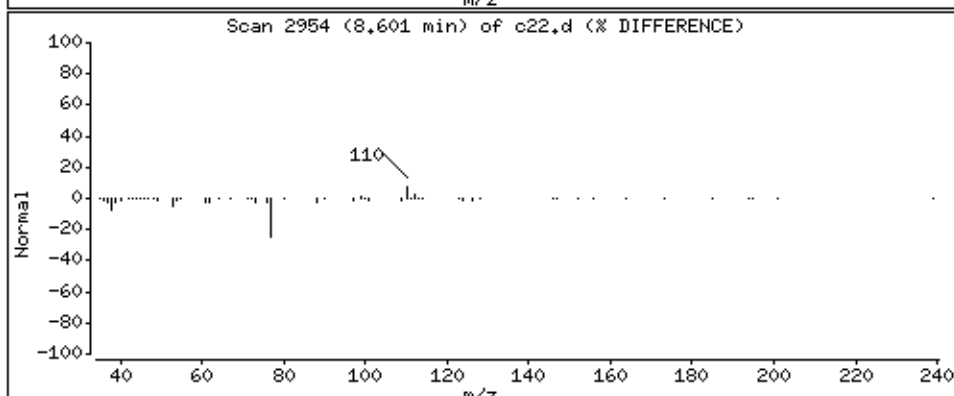
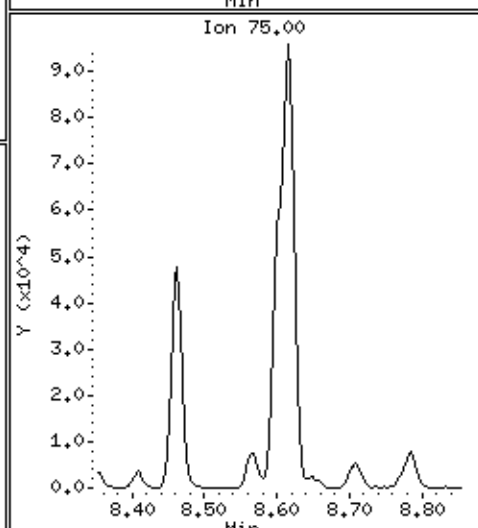
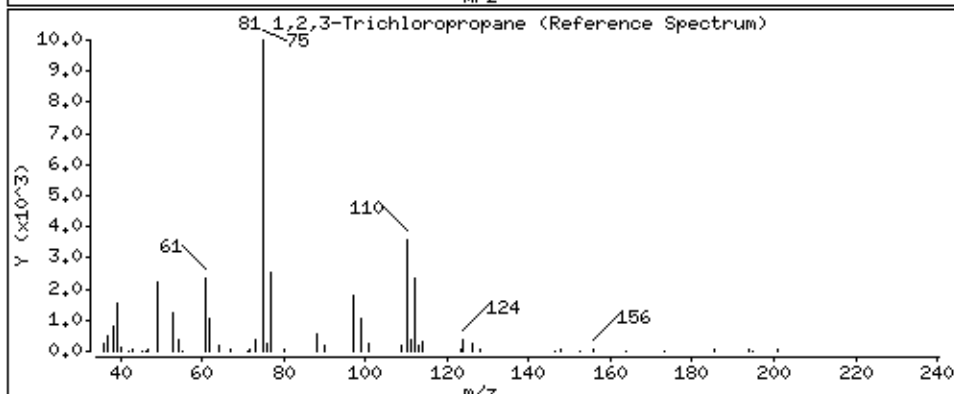
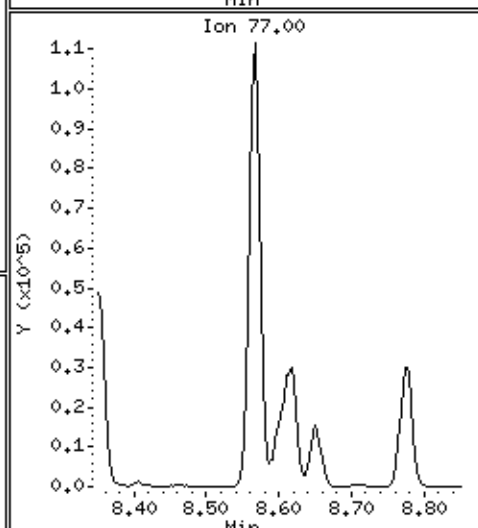
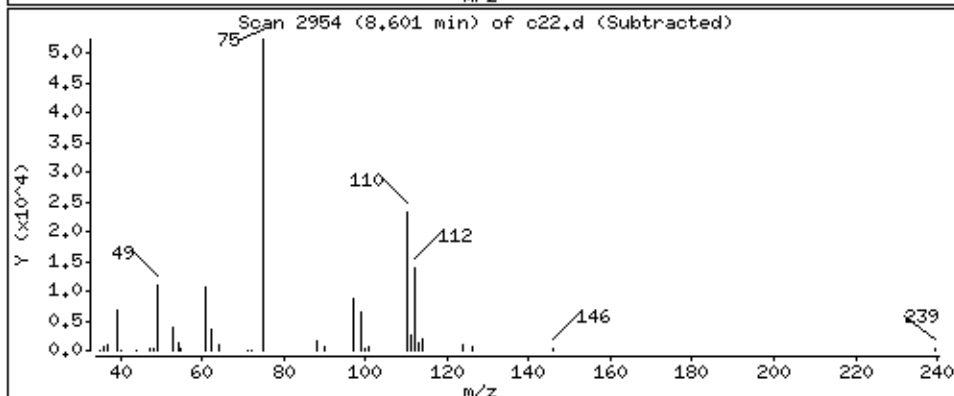
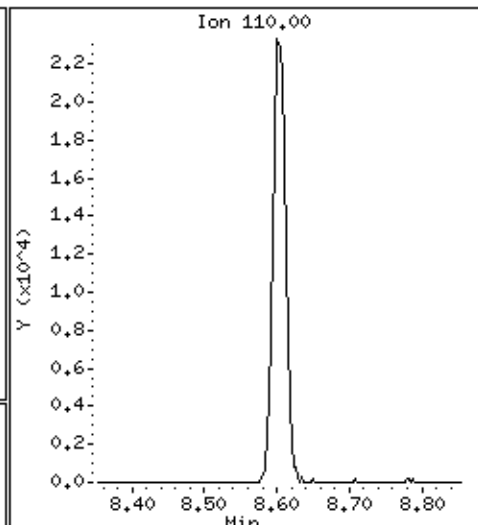
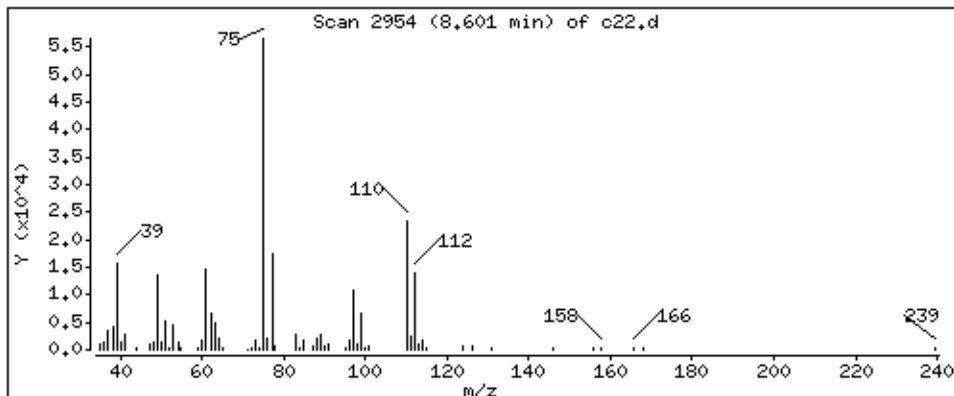
Operator: amv

Column phase: DB-624

Column diameter: 0,18

81 1,2,3-Trichloropropane

Concentration: 50,0 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

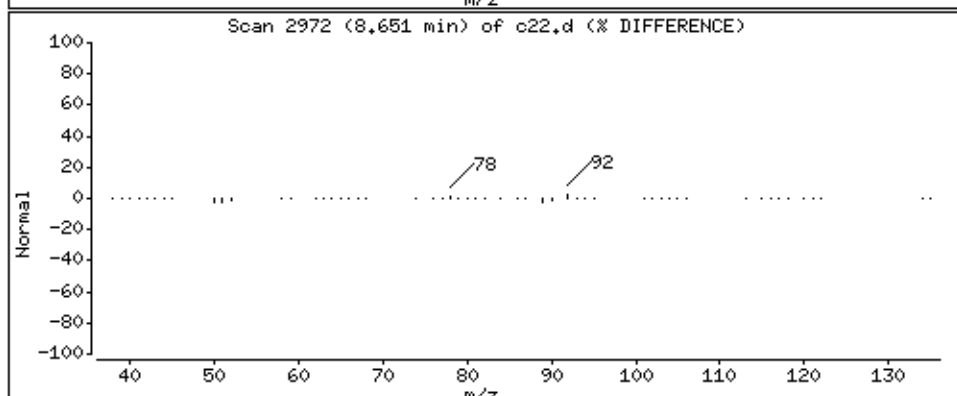
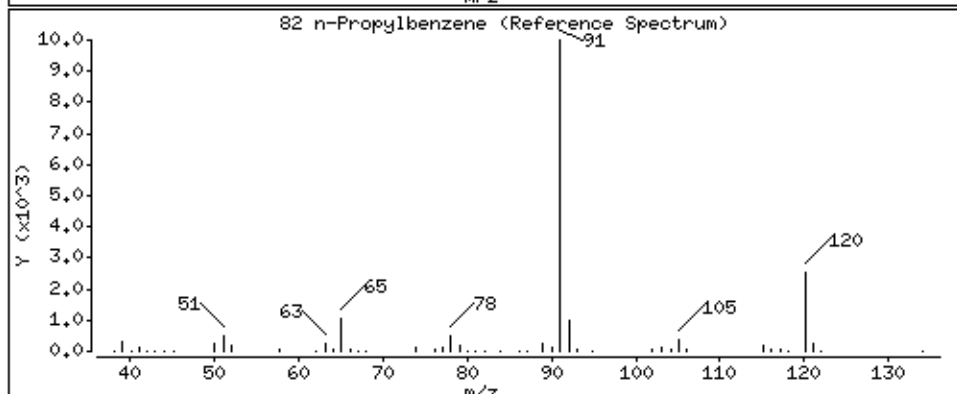
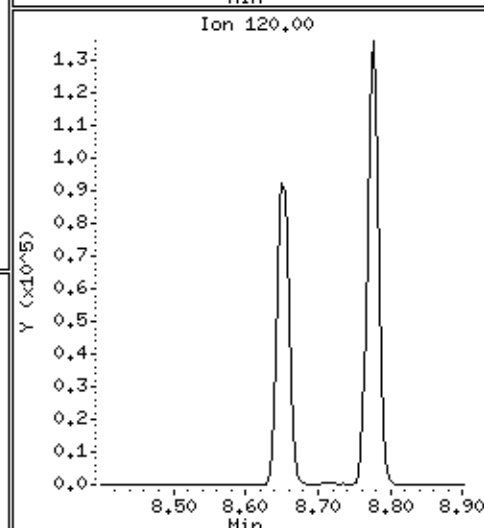
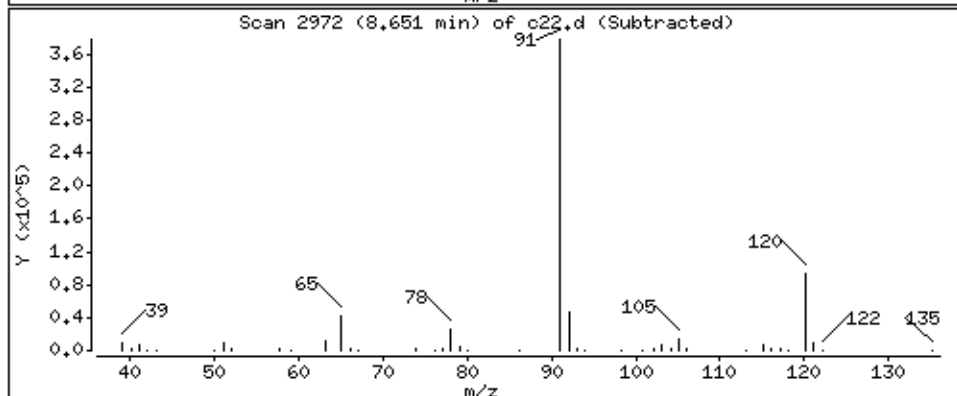
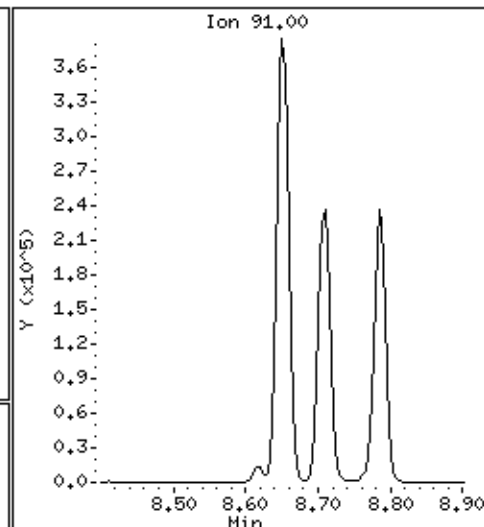
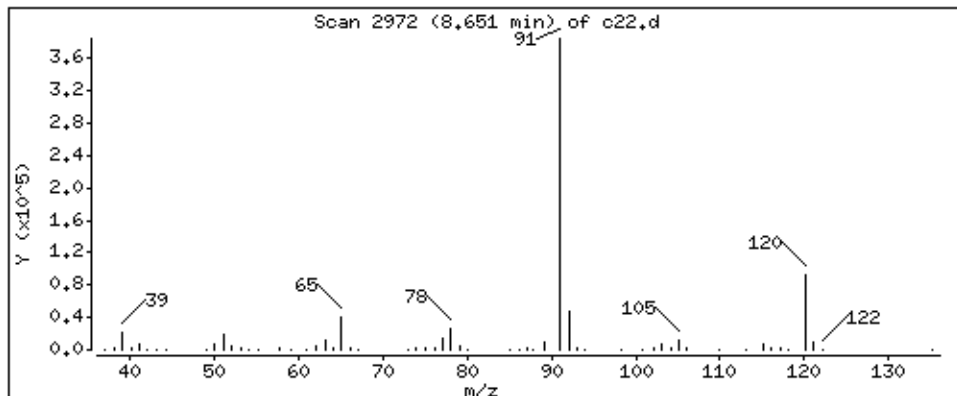
Operator: amv

Column phase: DB-624

Column diameter: 0,18

82 n-Propylbenzene

Concentration: 49.3 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

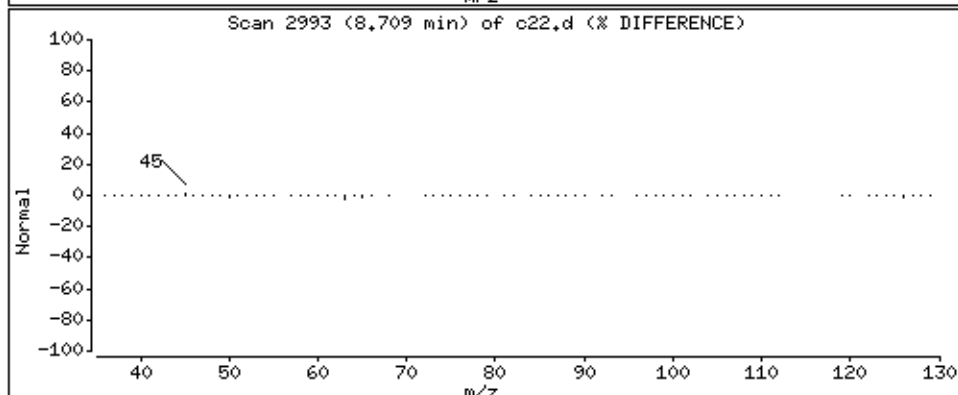
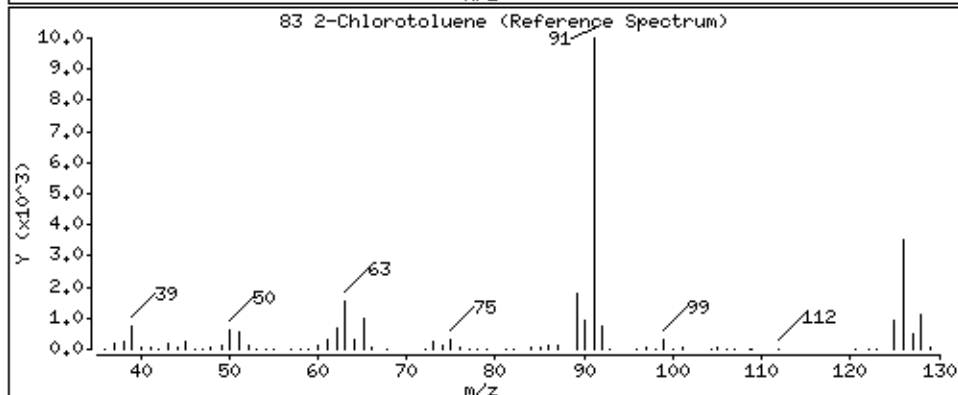
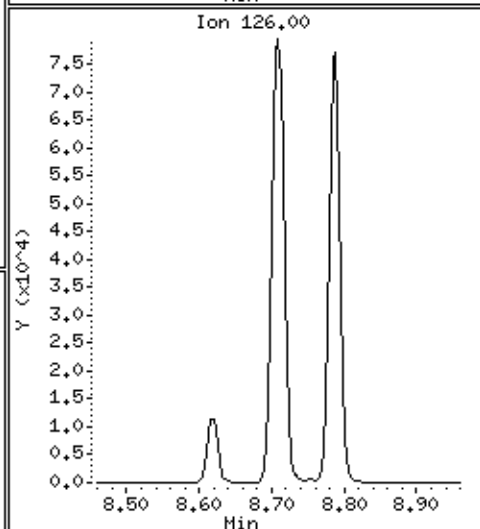
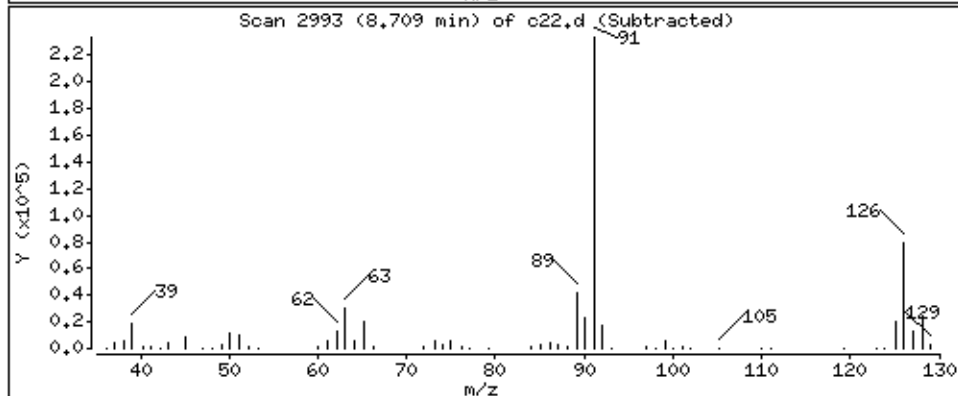
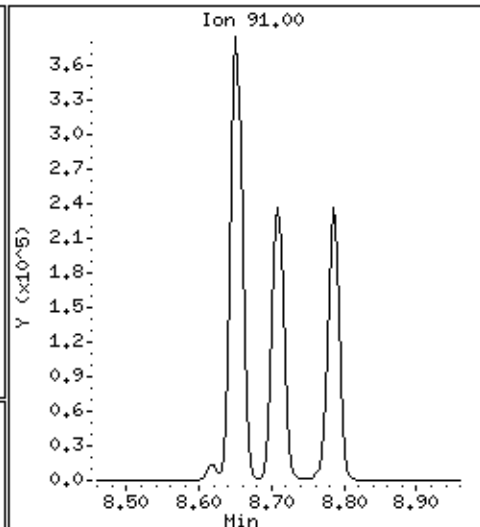
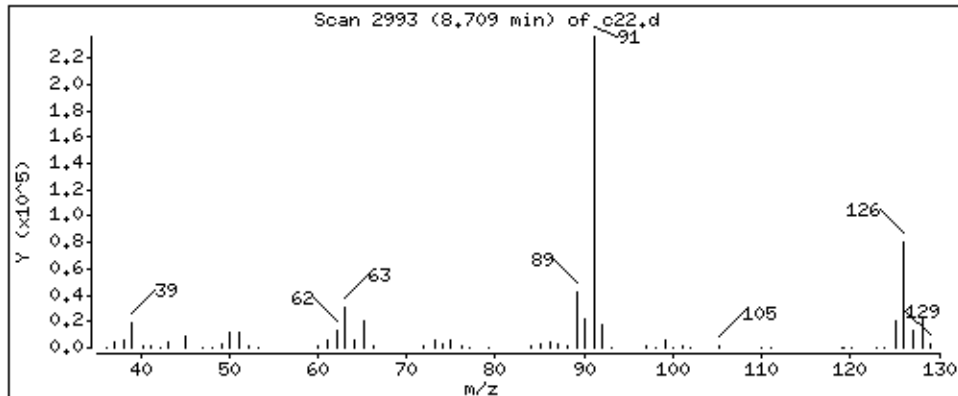
Operator: amv

Column phase: DB-624

Column diameter: 0,18

83 2-Chlorotoluene

Concentration: 55,7 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

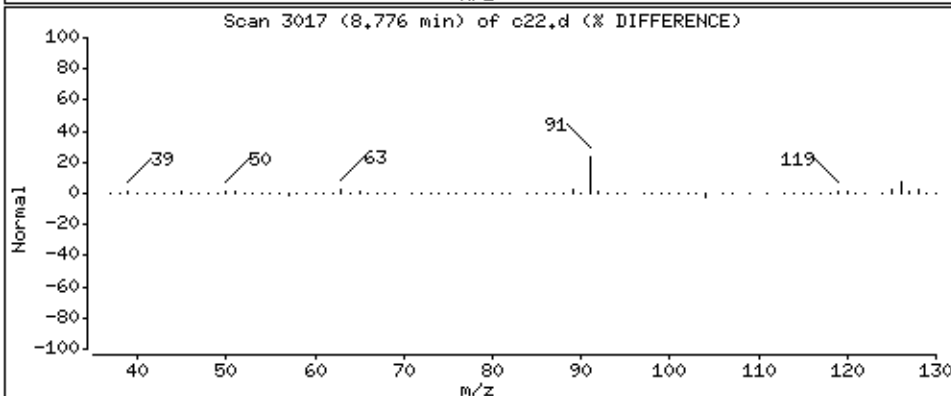
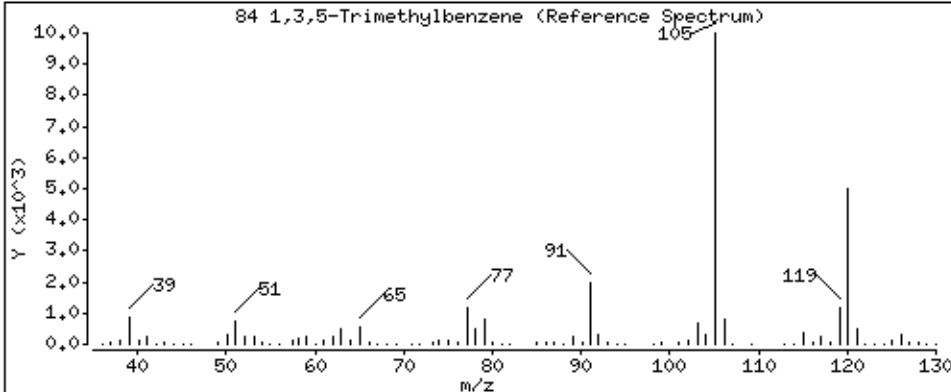
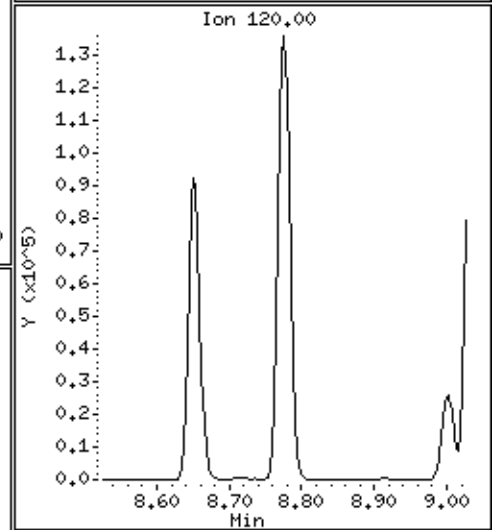
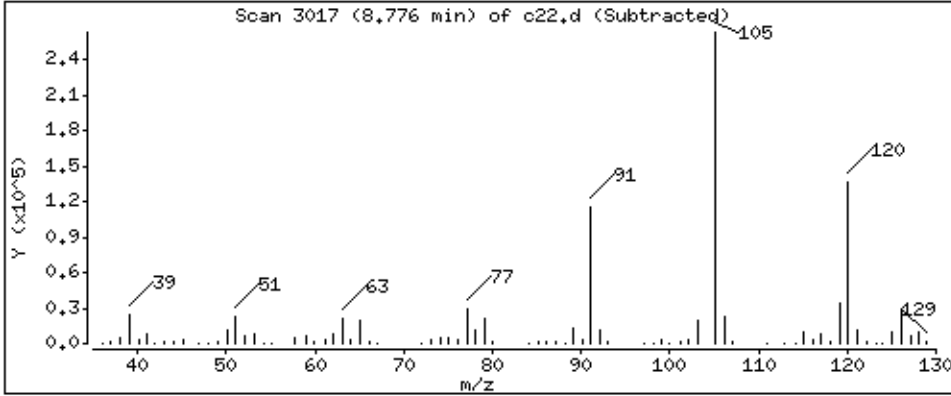
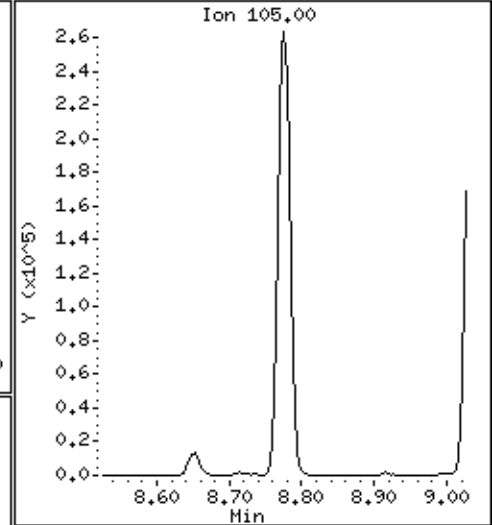
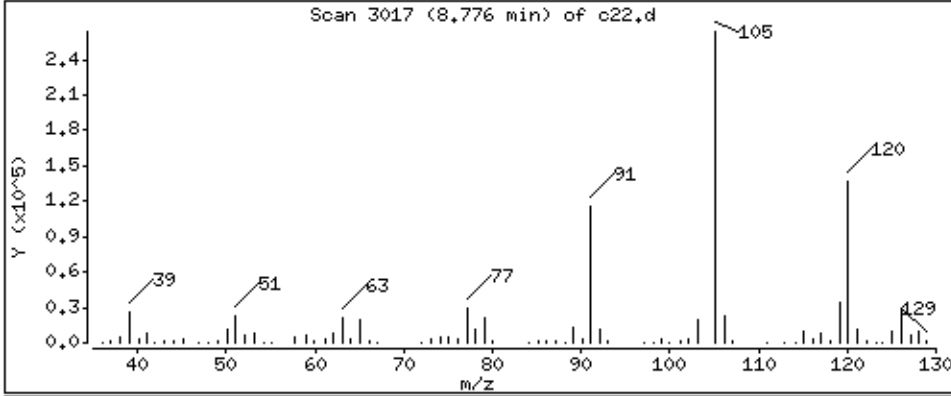
Operator: amv

Column phase: DB-624

Column diameter: 0,18

84 1,3,5-Trimethylbenzene

Concentration: 49,0 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

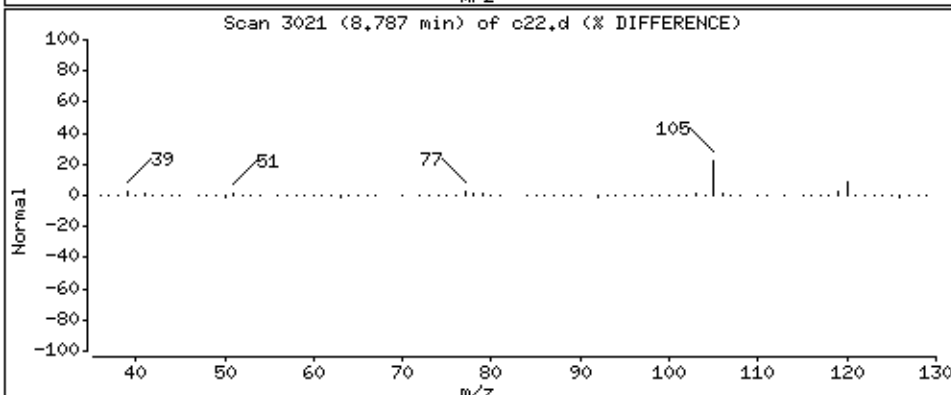
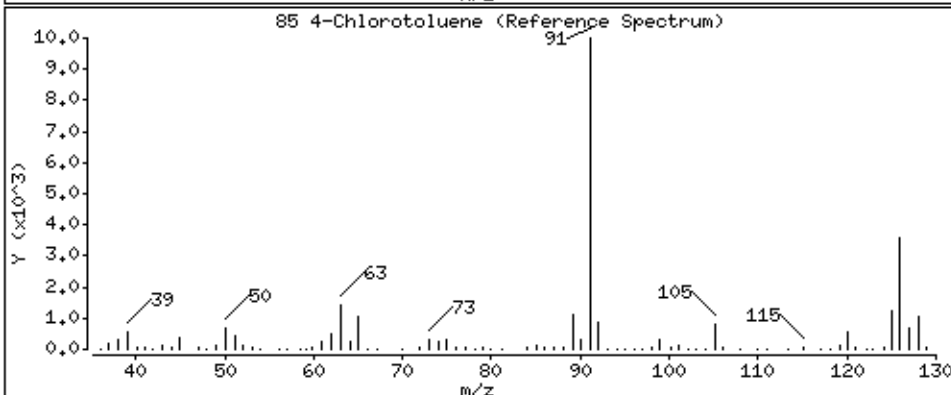
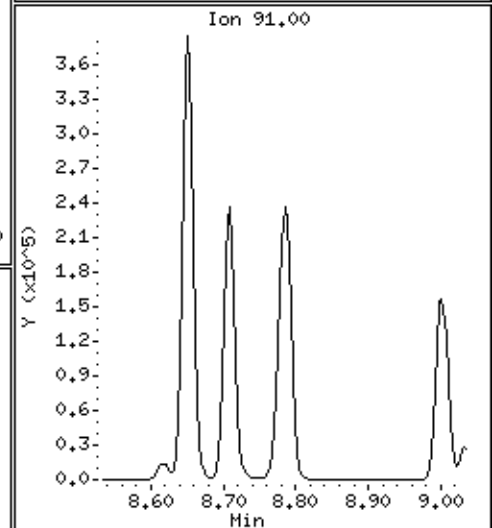
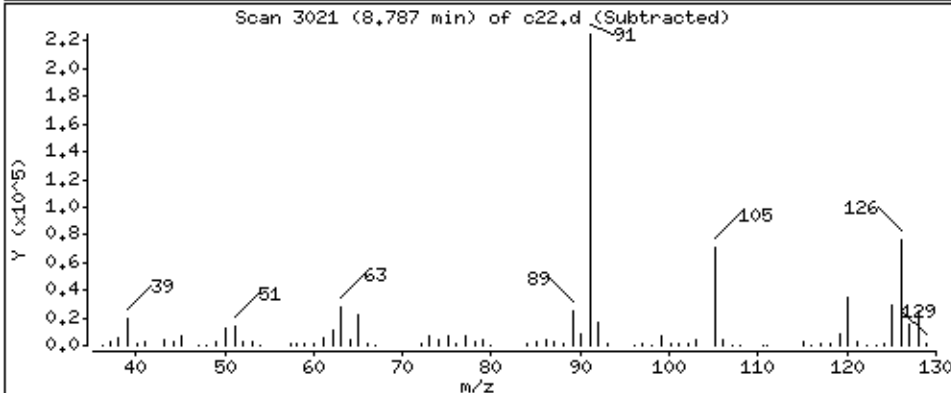
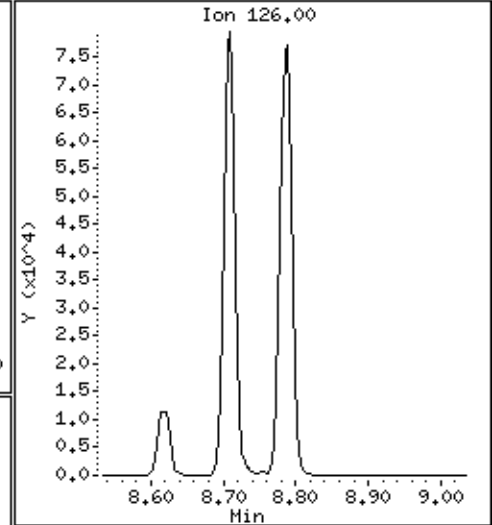
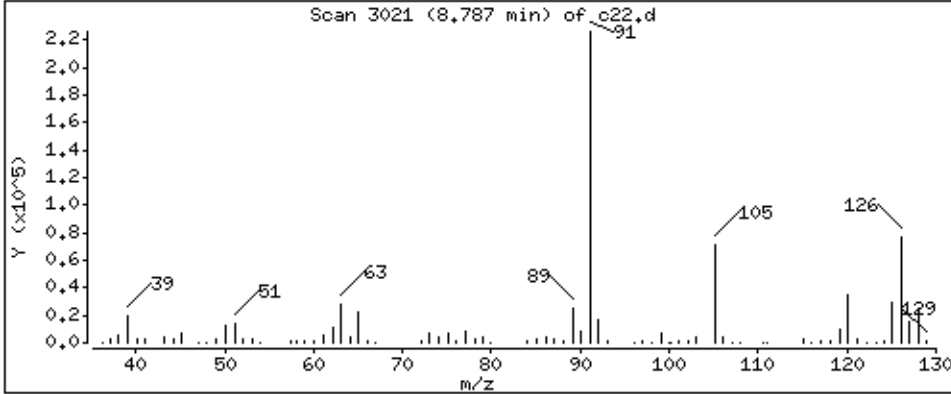
Operator: amv

Column phase: DB-624

Column diameter: 0,18

85 4-Chlorotoluene

Concentration: 51.9 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

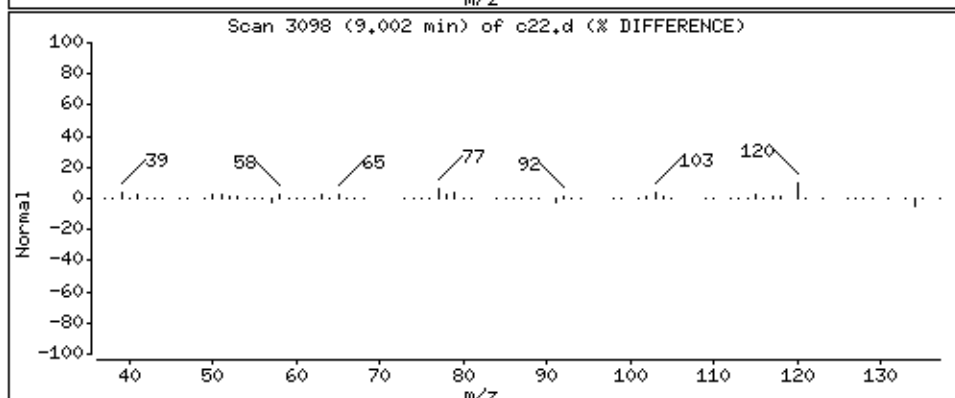
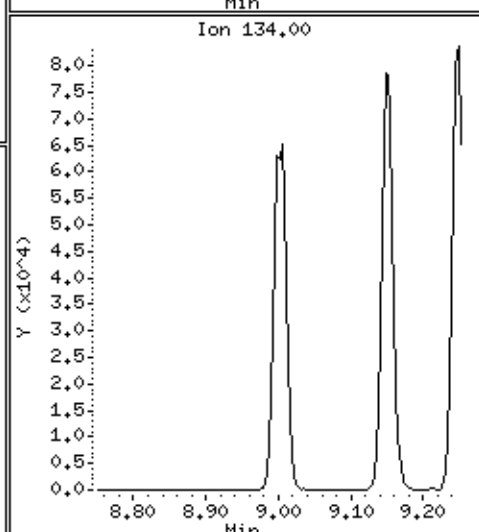
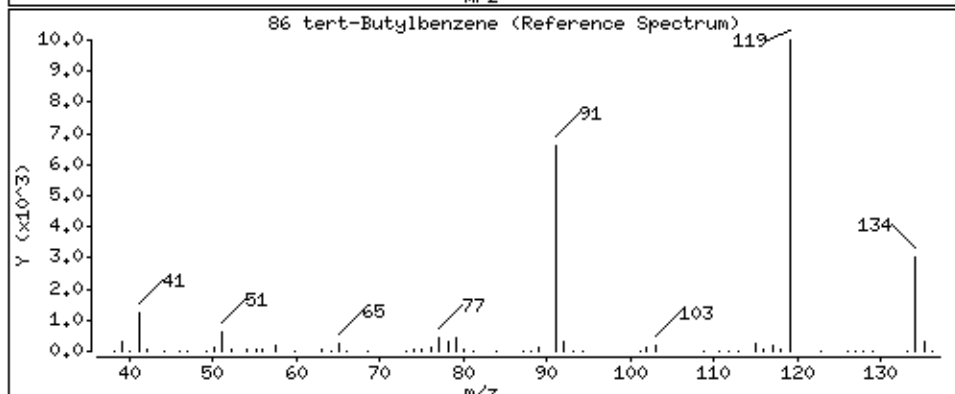
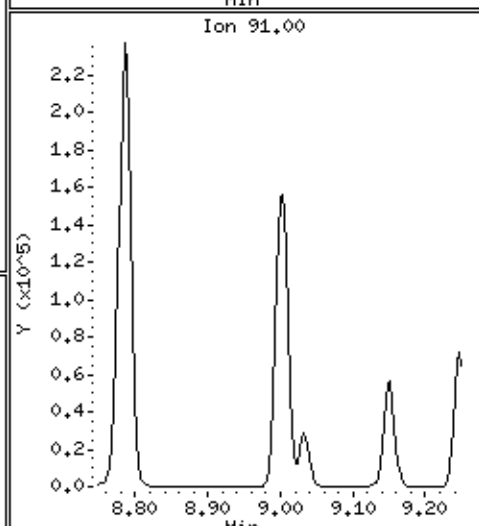
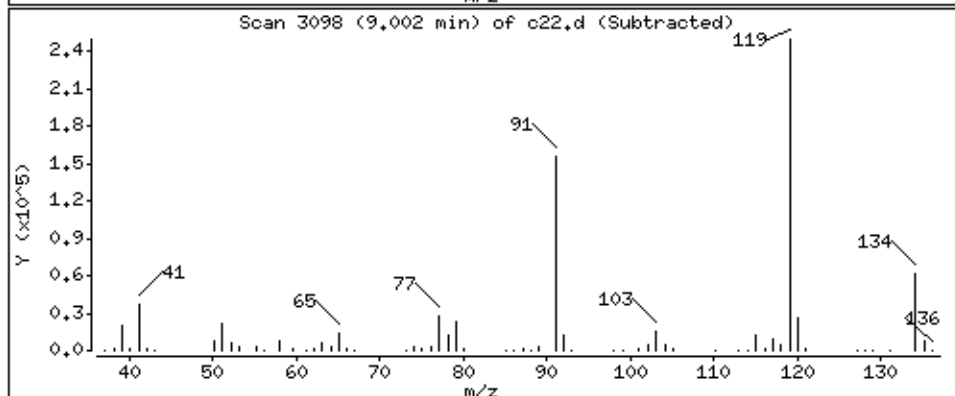
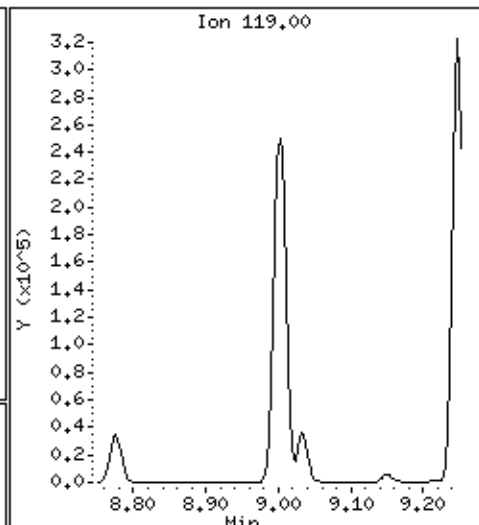
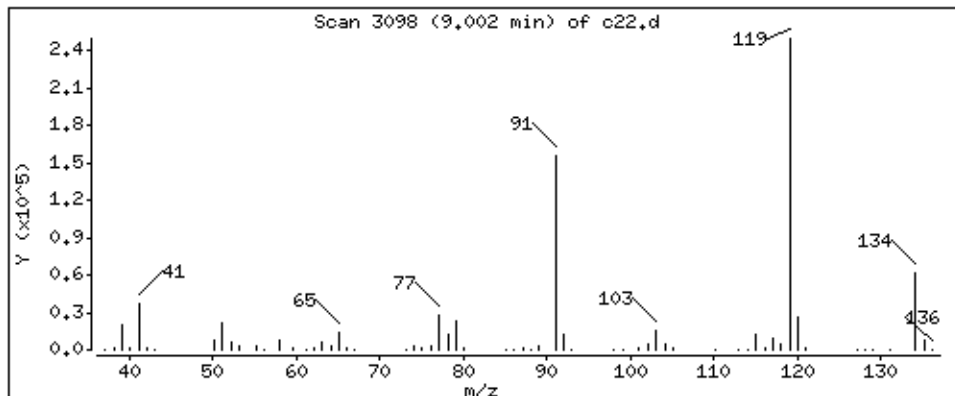
Operator: amv

Column phase: DB-624

Column diameter: 0,18

86 tert-Butylbenzene

Concentration: 46,6 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

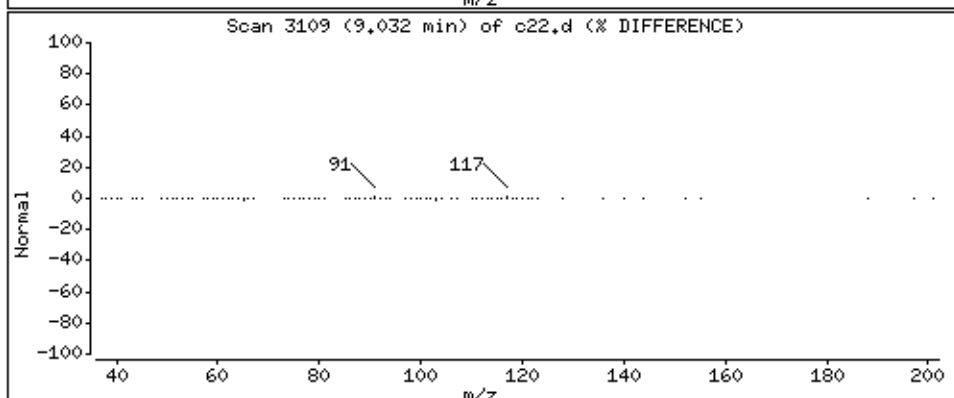
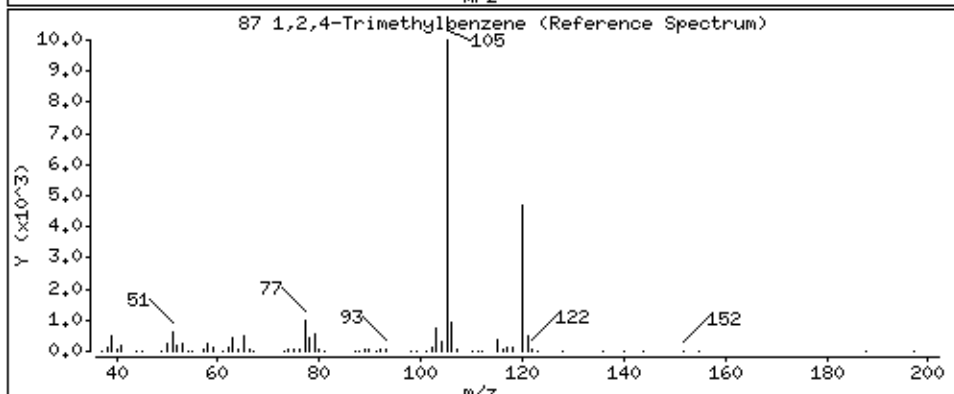
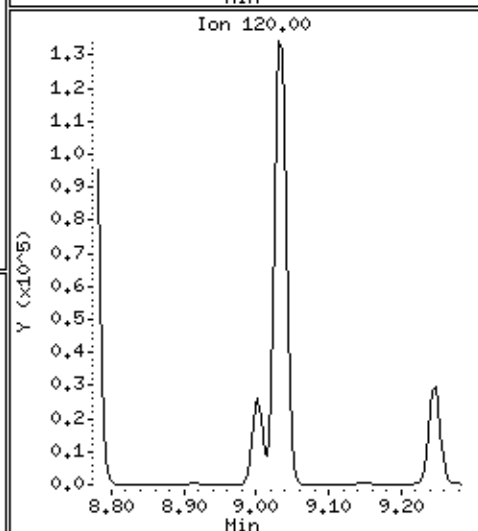
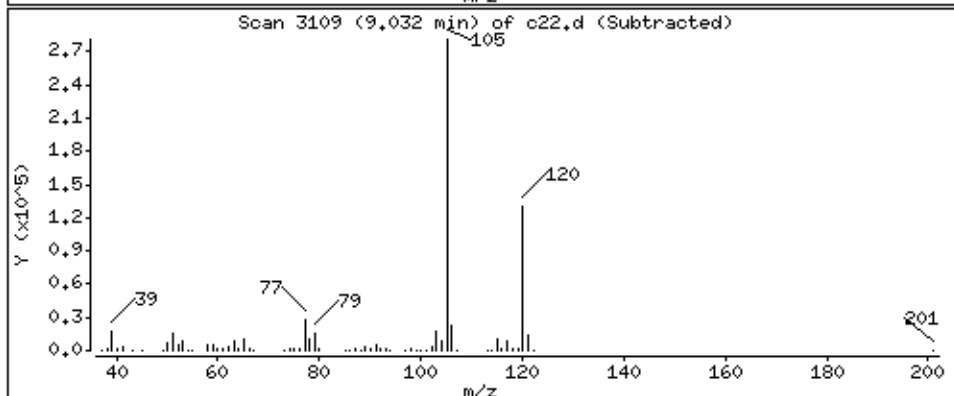
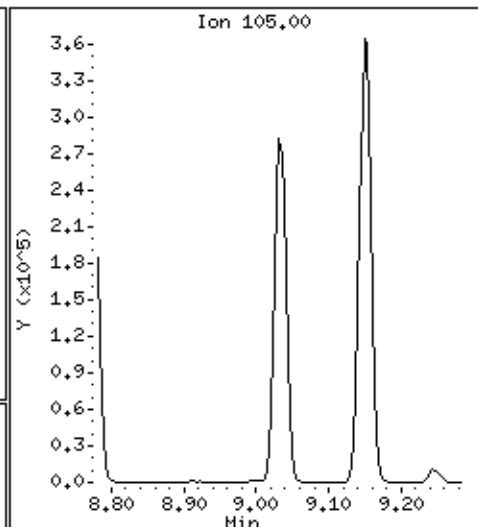
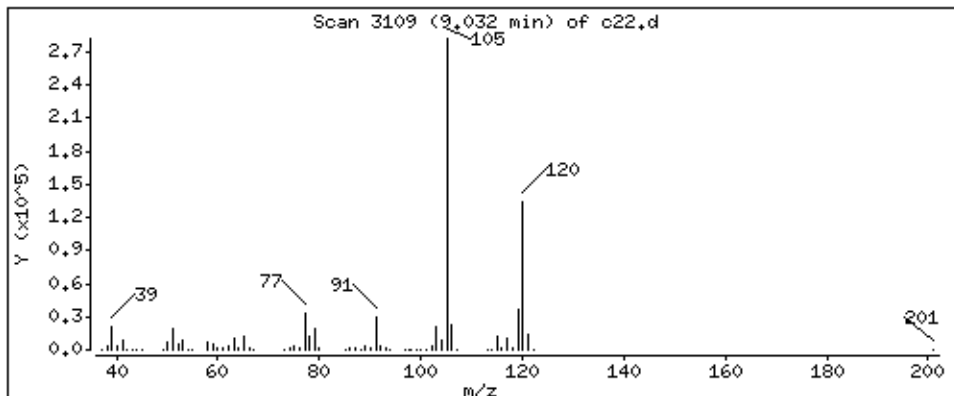
Operator: amv

Column phase: DB-624

Column diameter: 0,18

87 1,2,4-Trimethylbenzene

Concentration: 50,7 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

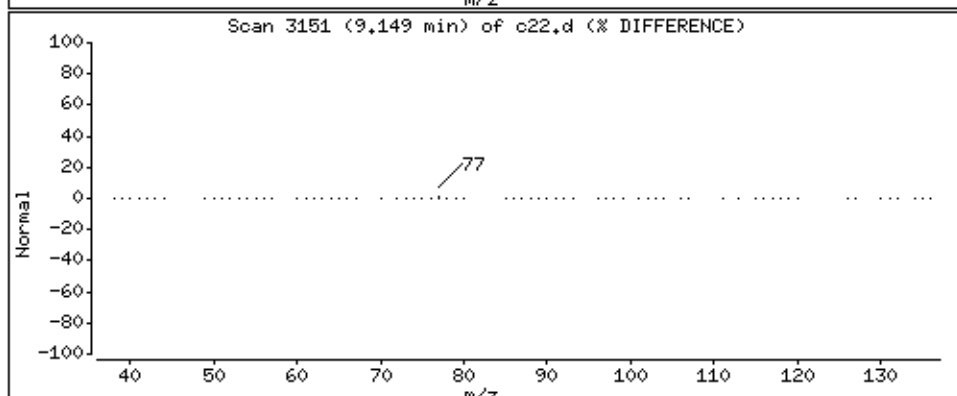
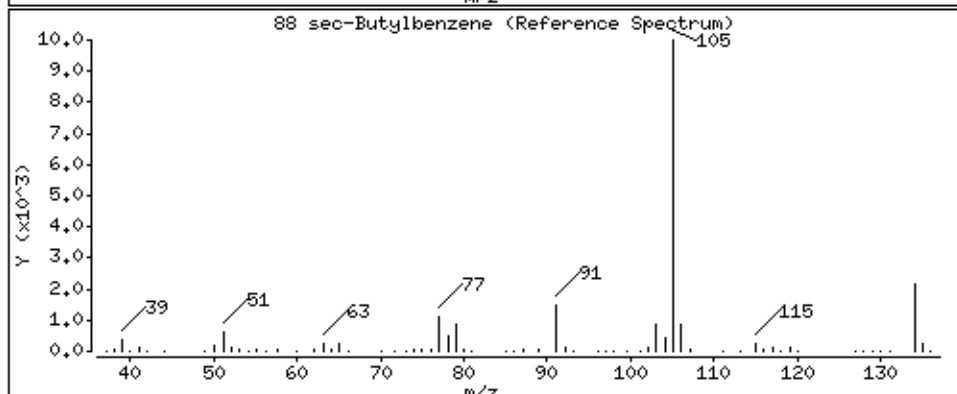
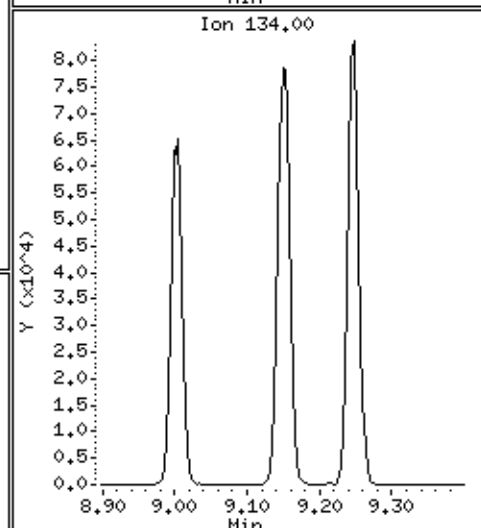
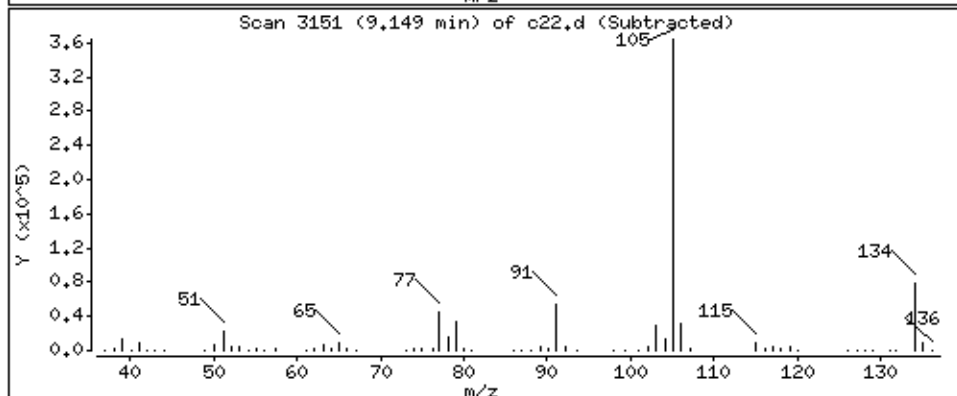
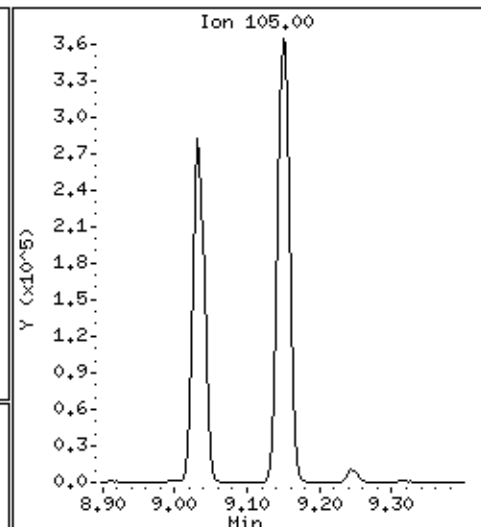
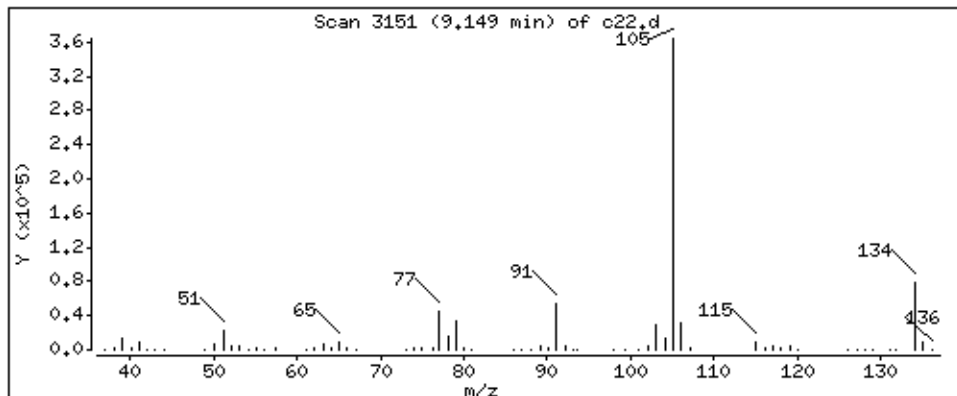
Operator: amv

Column phase: DB-624

Column diameter: 0,18

88 sec-Butylbenzene

Concentration: 52.1 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

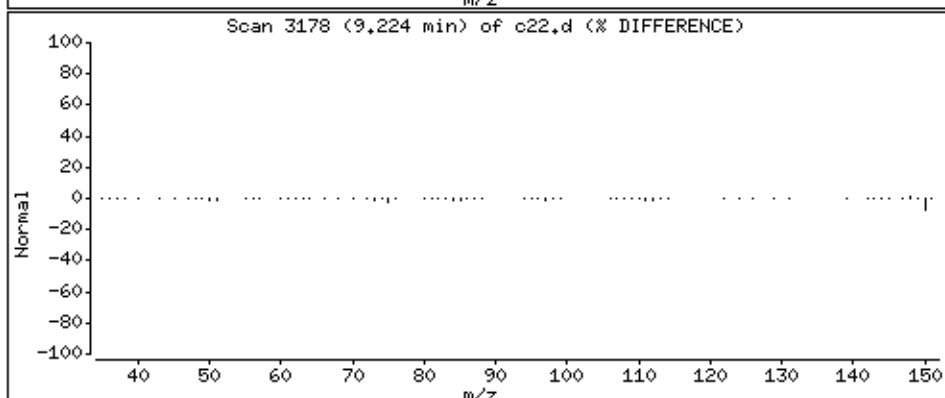
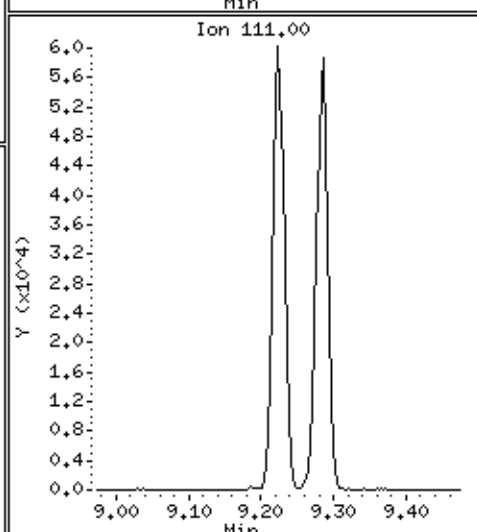
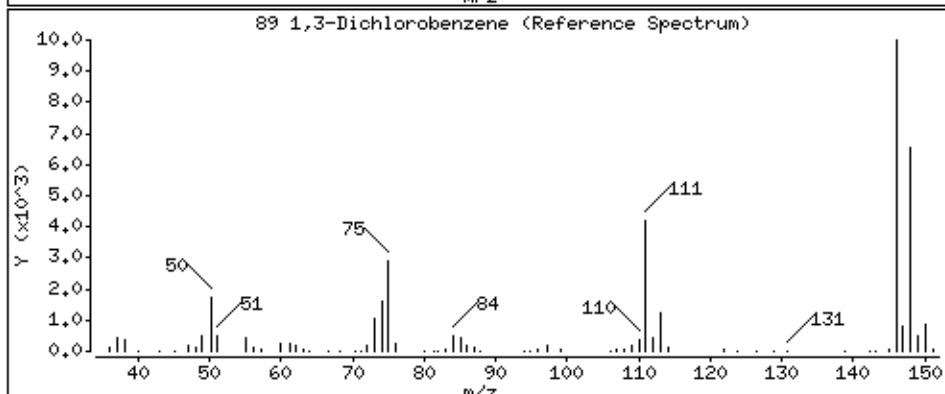
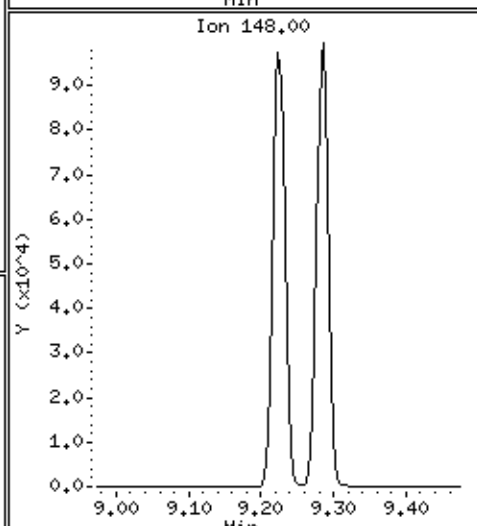
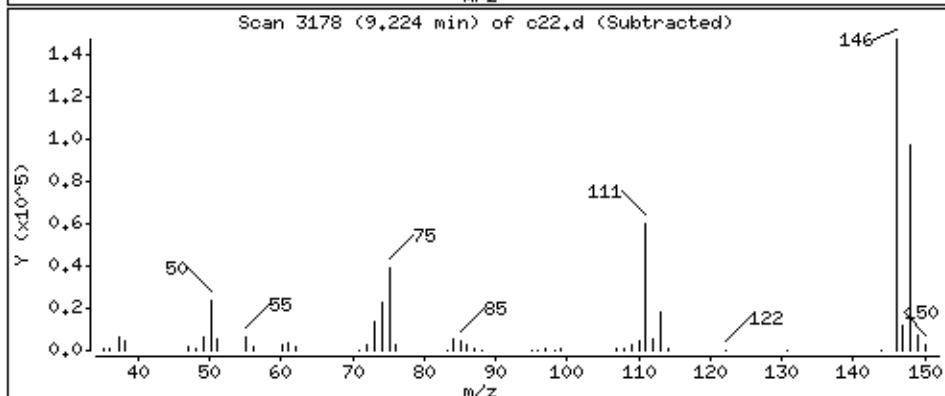
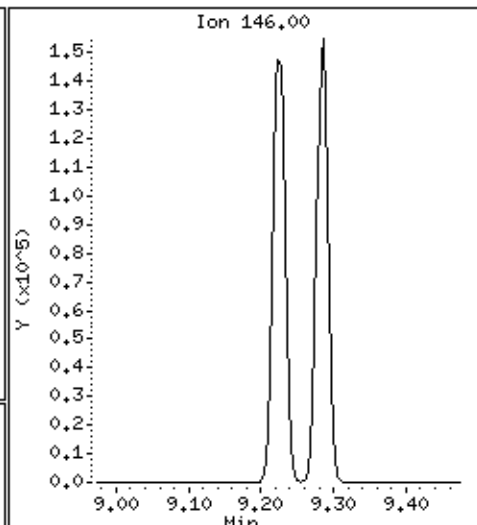
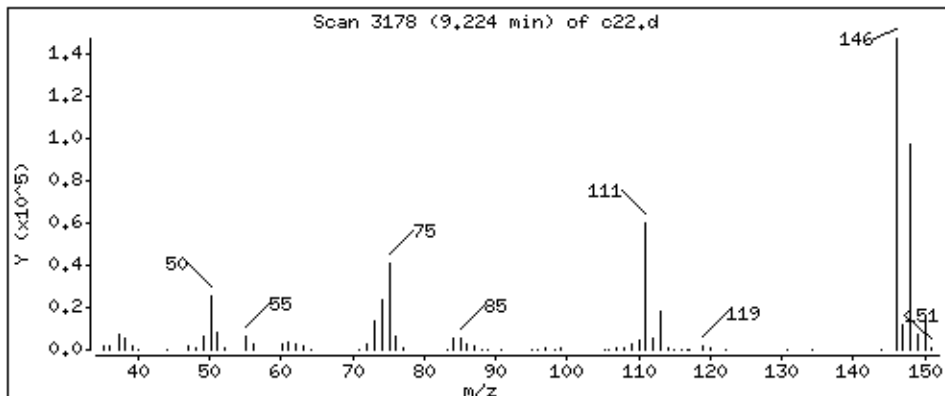
Operator: amv

Column phase: DB-624

Column diameter: 0,18

89 1,3-Dichlorobenzene

Concentration: 52.4 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

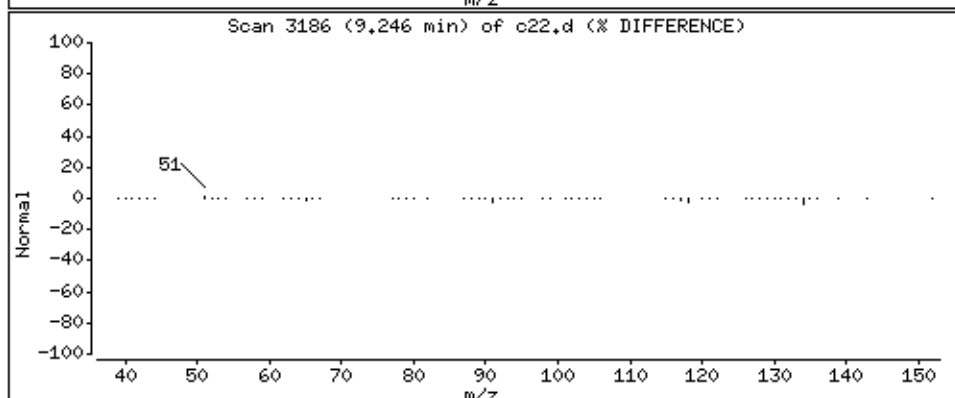
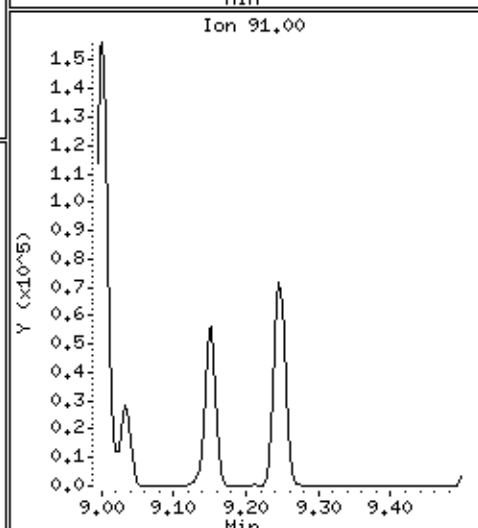
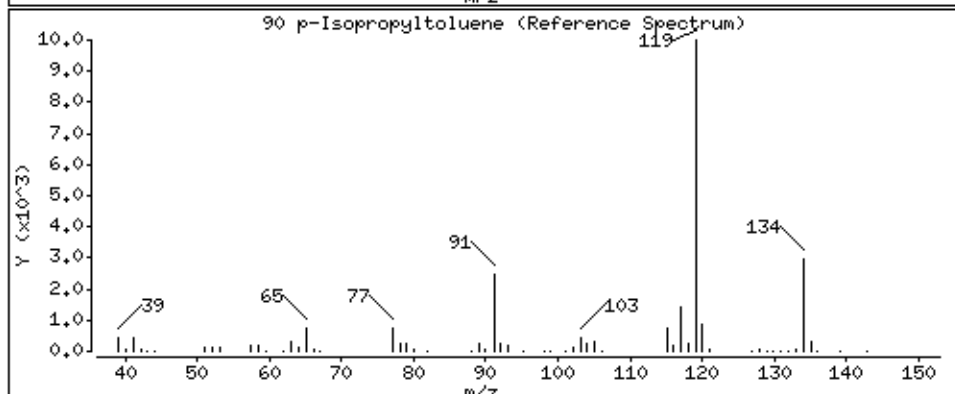
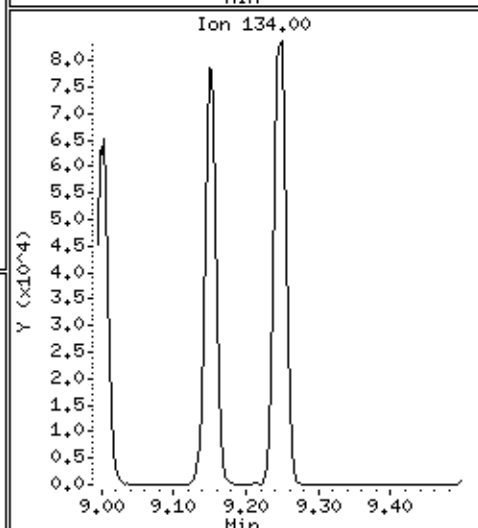
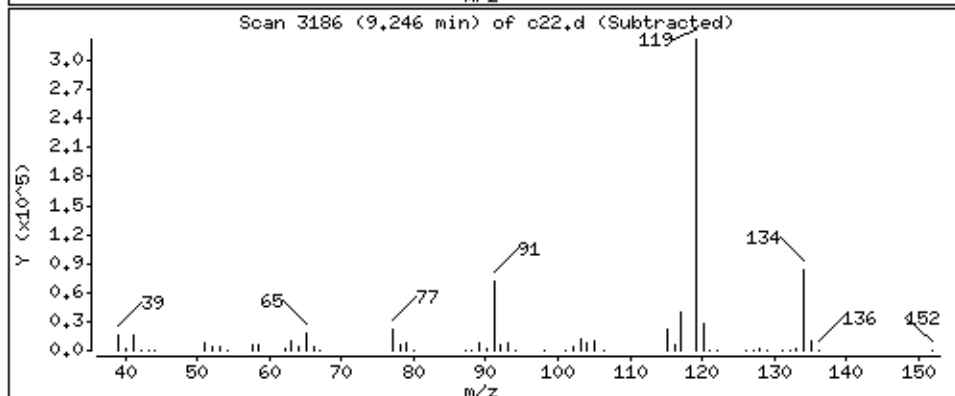
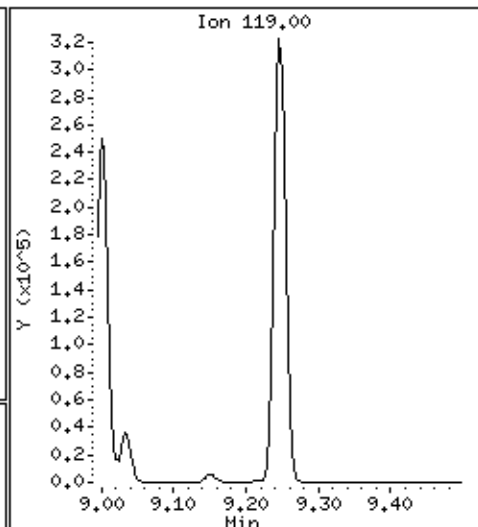
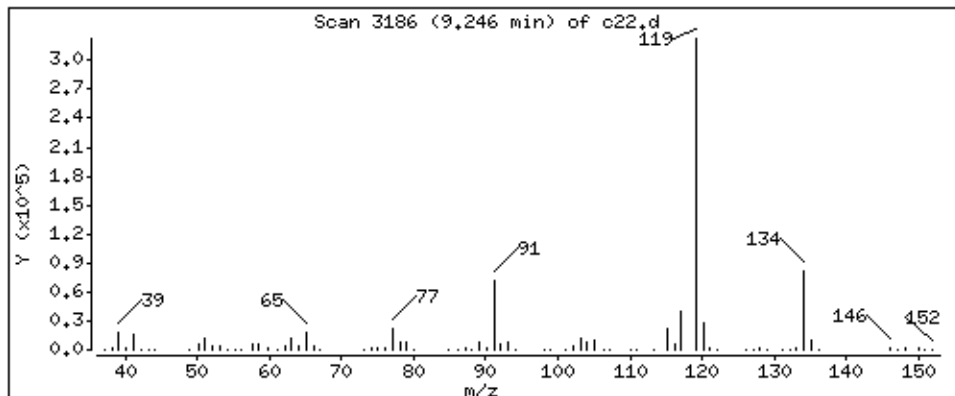
Operator: amv

Column phase: DB-624

Column diameter: 0.18

90 p-Isopropyltoluene

Concentration: 53.2 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

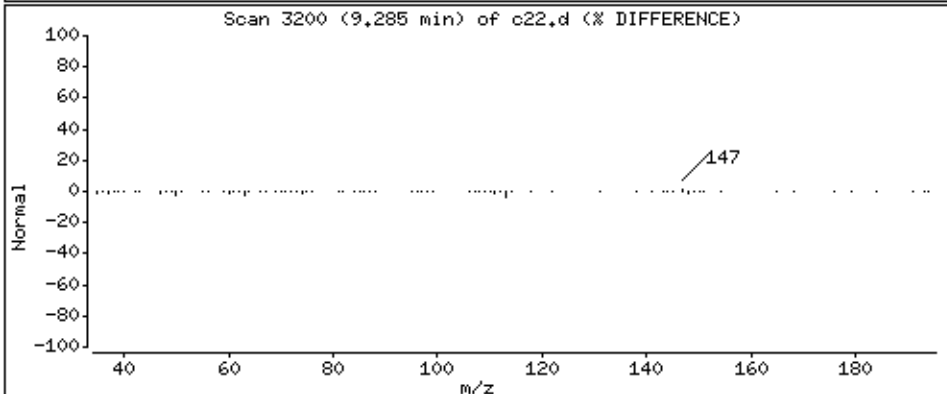
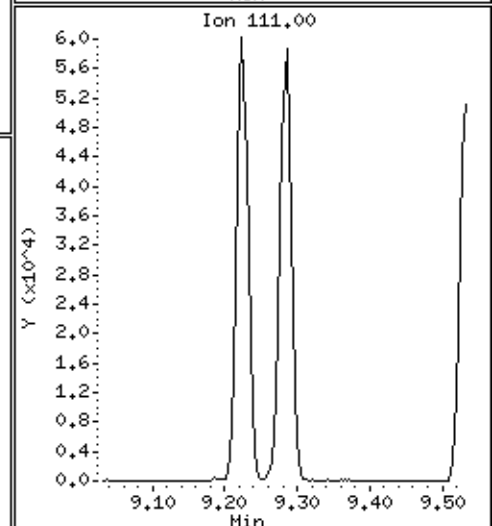
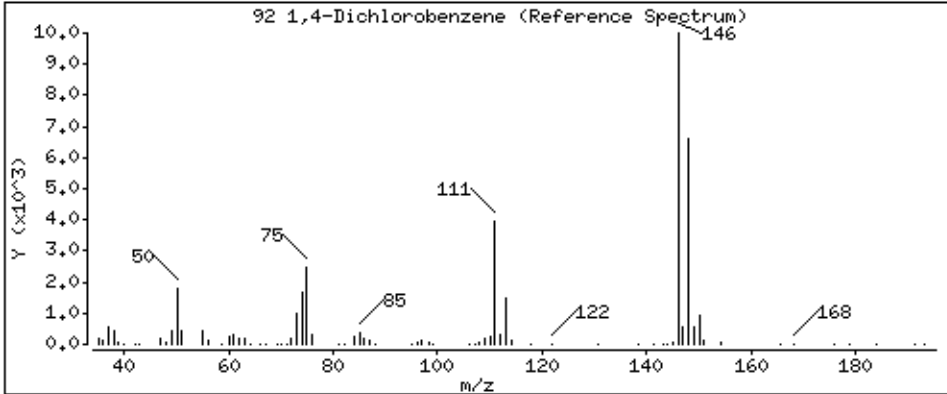
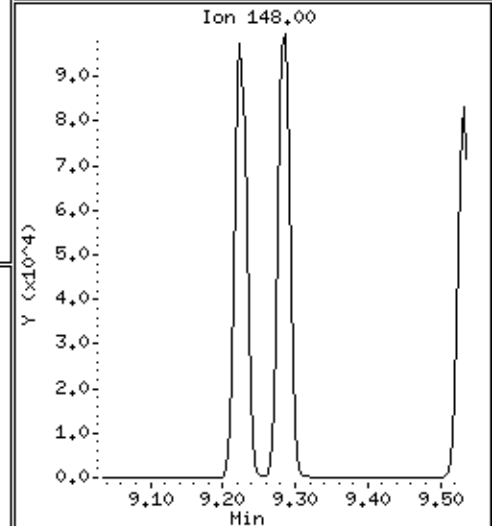
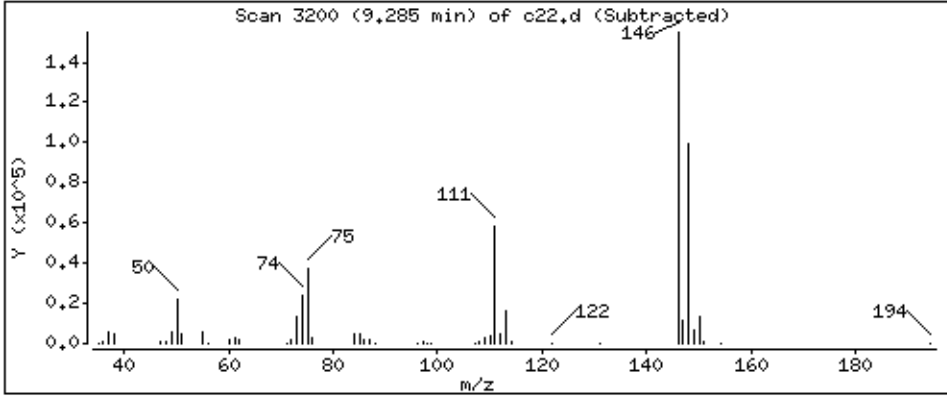
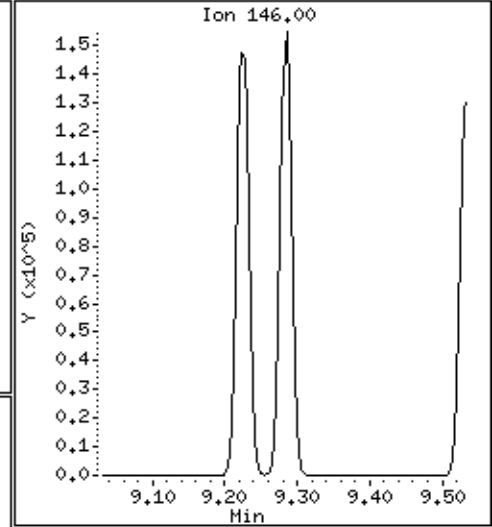
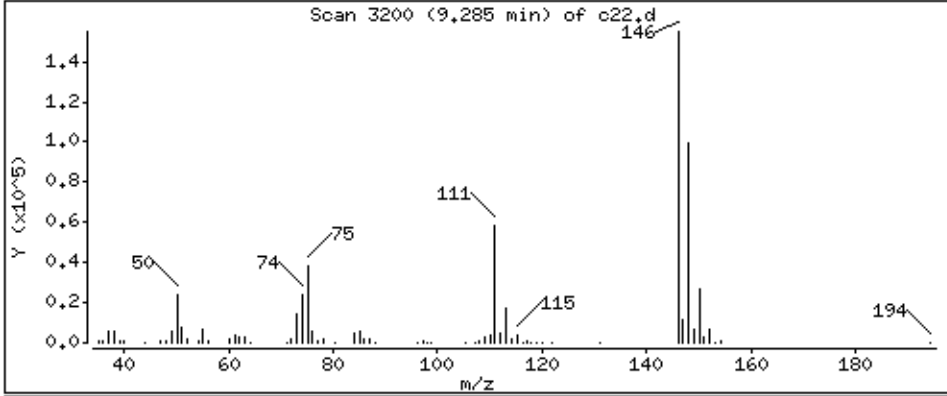
Operator: amv

Column phase: DB-624

Column diameter: 0,18

92 1,4-Dichlorobenzene

Concentration: 51.5 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

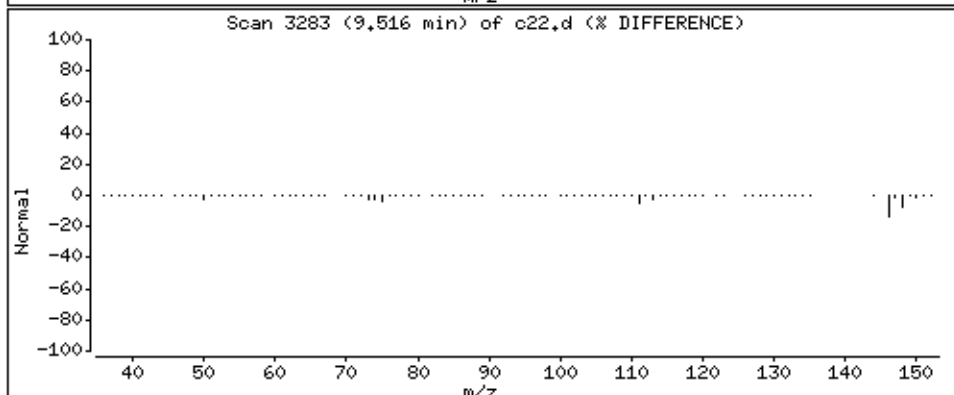
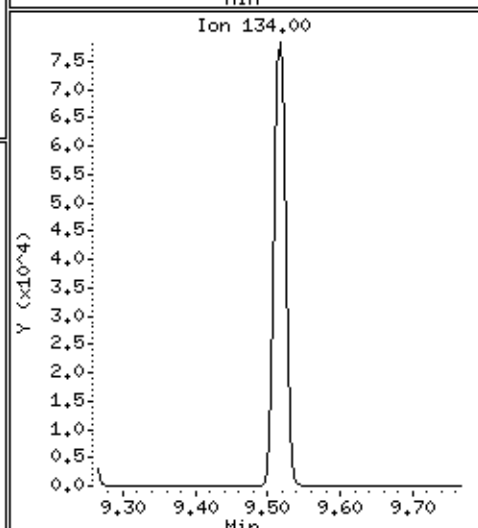
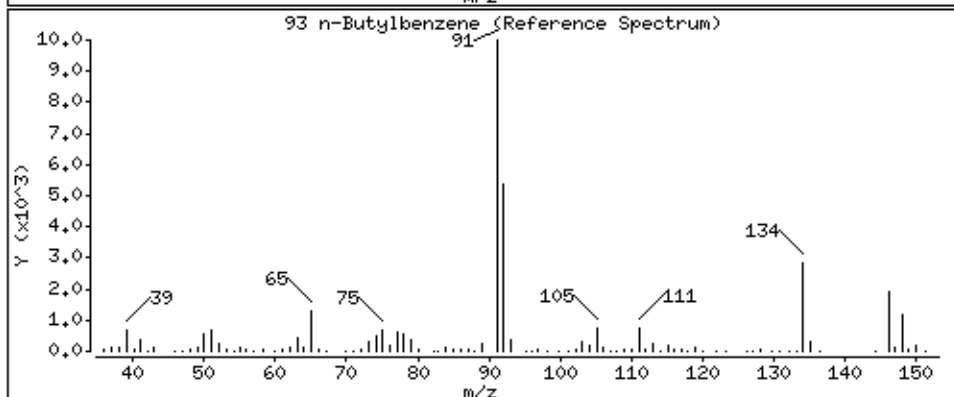
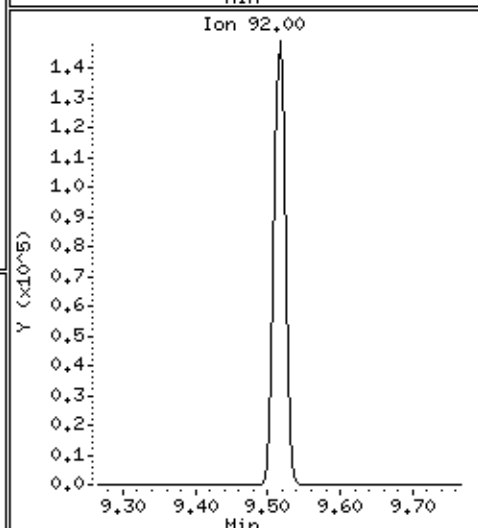
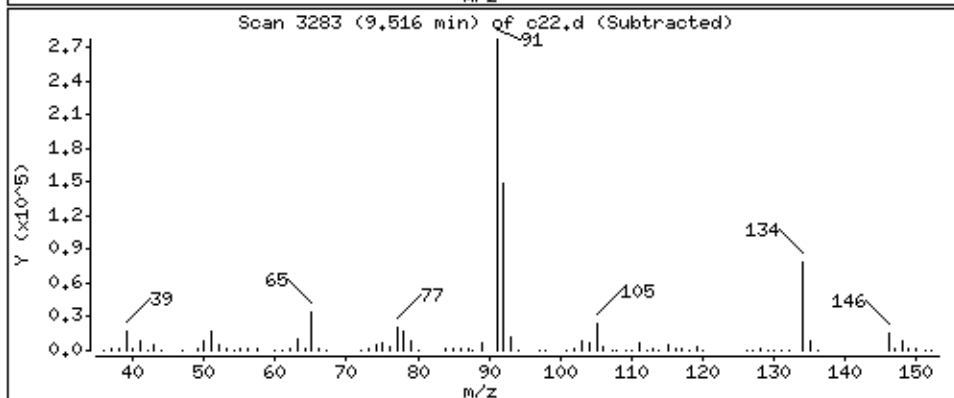
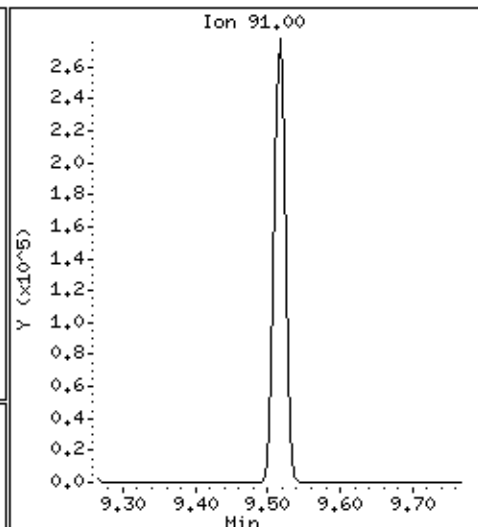
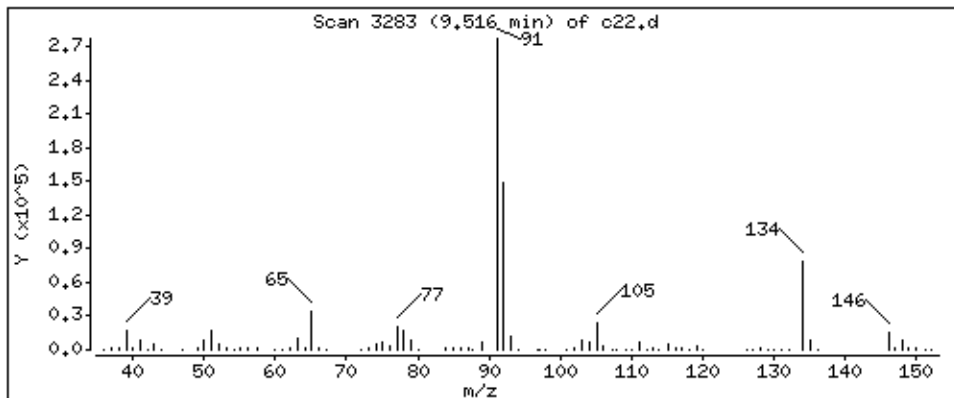
Operator: amv

Column phase: DB-624

Column diameter: 0,18

93 n-Butylbenzene

Concentration: 47.1 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

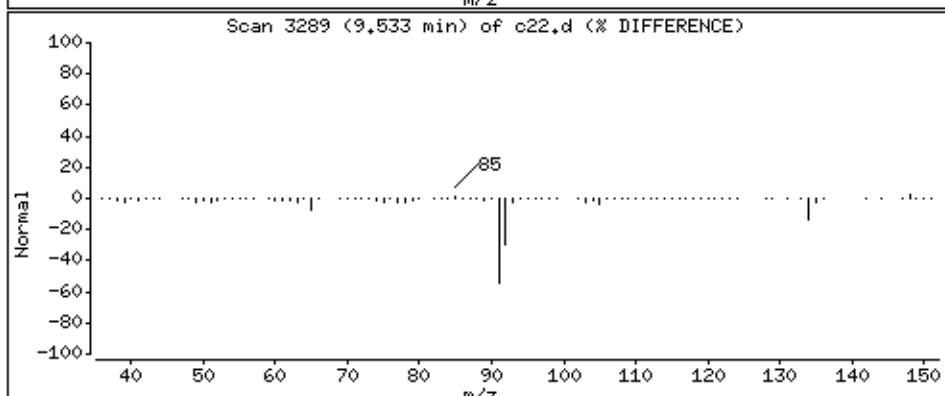
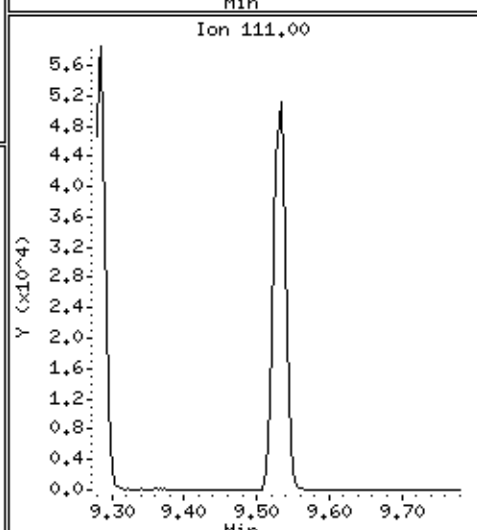
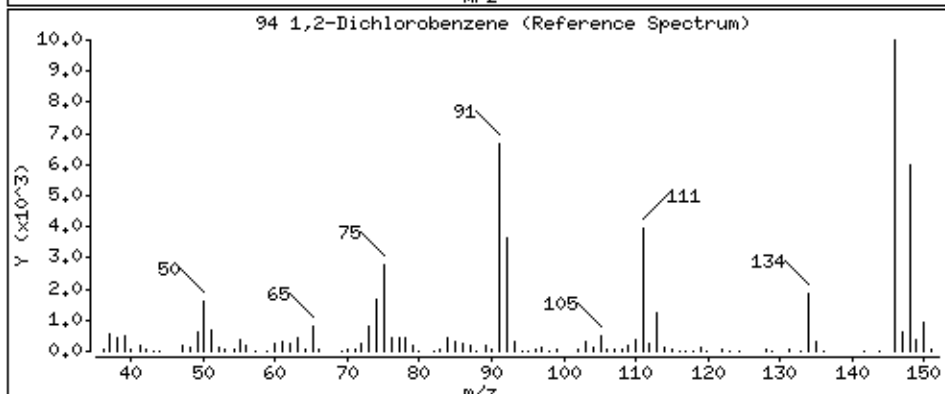
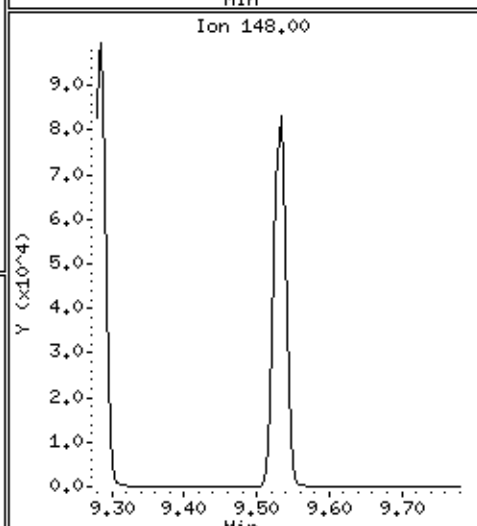
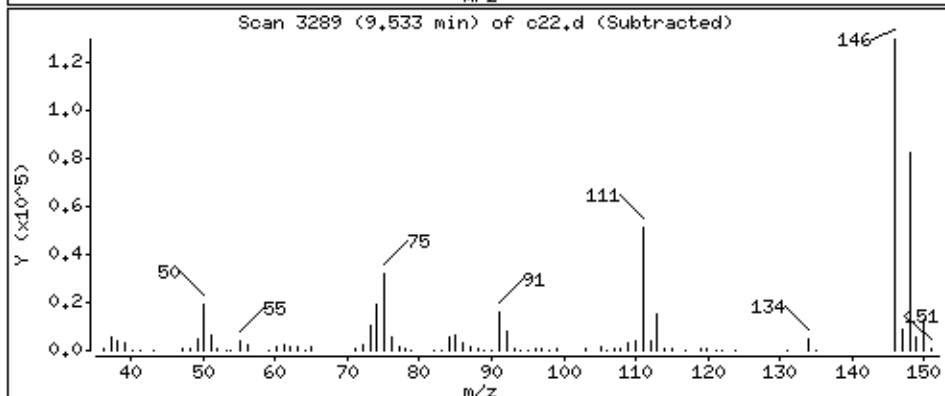
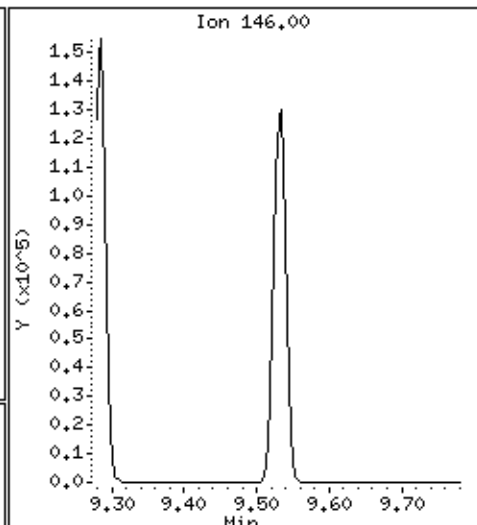
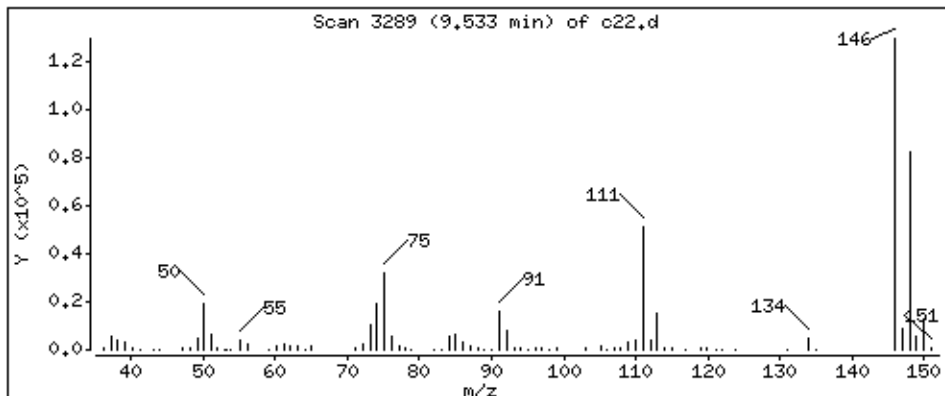
Operator: amv

Column phase: DB-624

Column diameter: 0,18

94 1,2-Dichlorobenzene

Concentration: 51.4 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

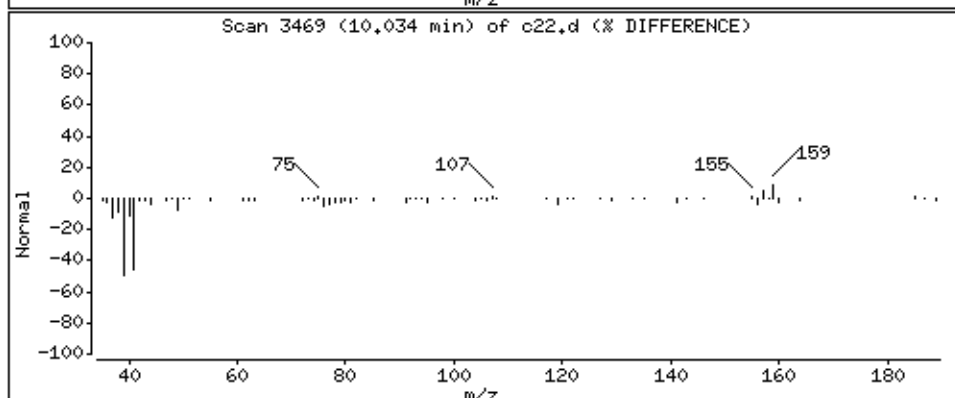
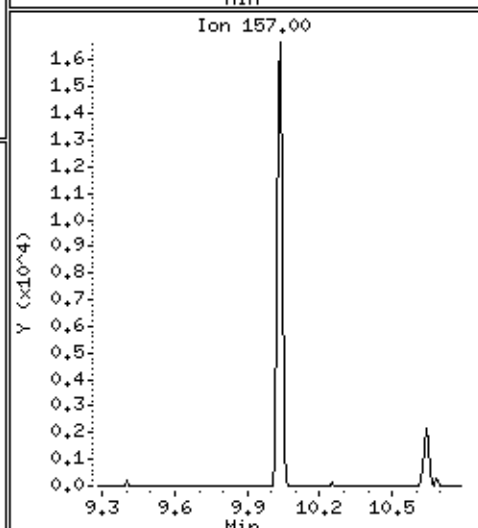
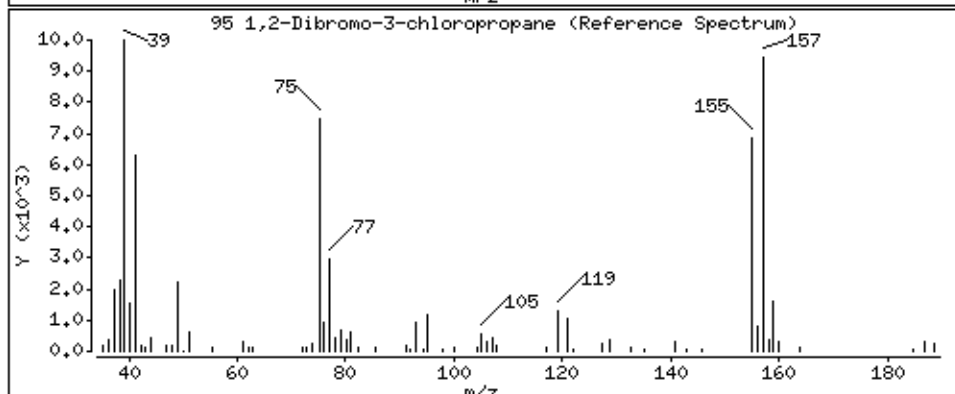
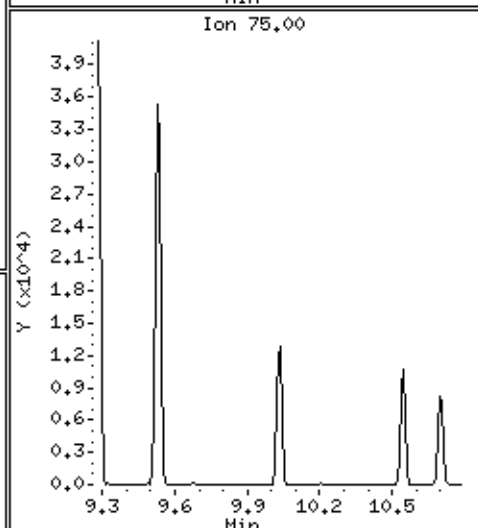
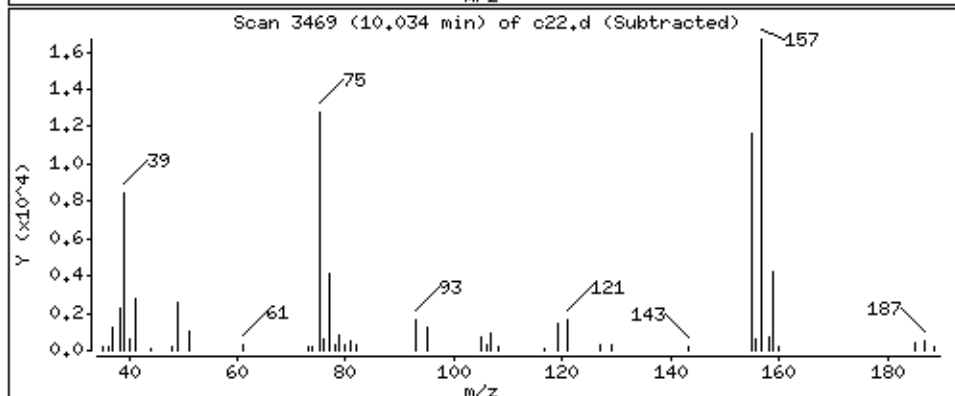
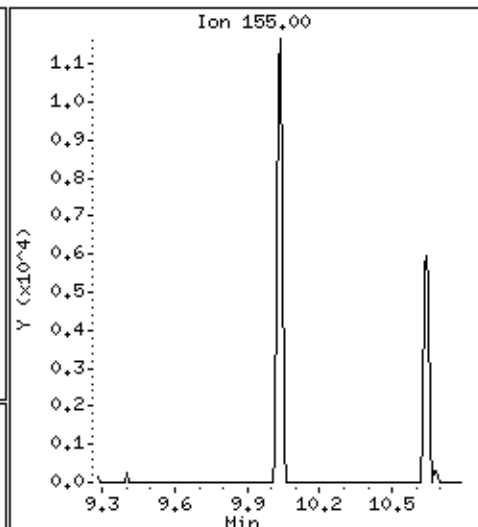
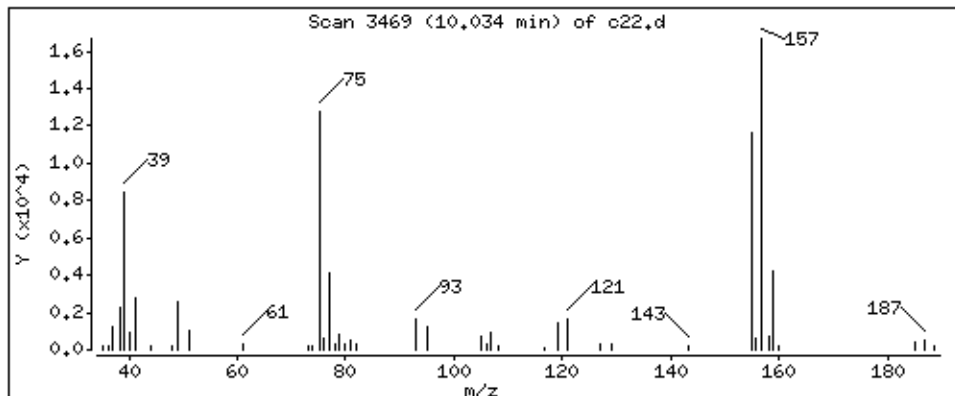
Operator: amv

Column phase: DB-624

Column diameter: 0,18

95 1,2-Dibromo-3-chloropropane

Concentration: 47,5 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

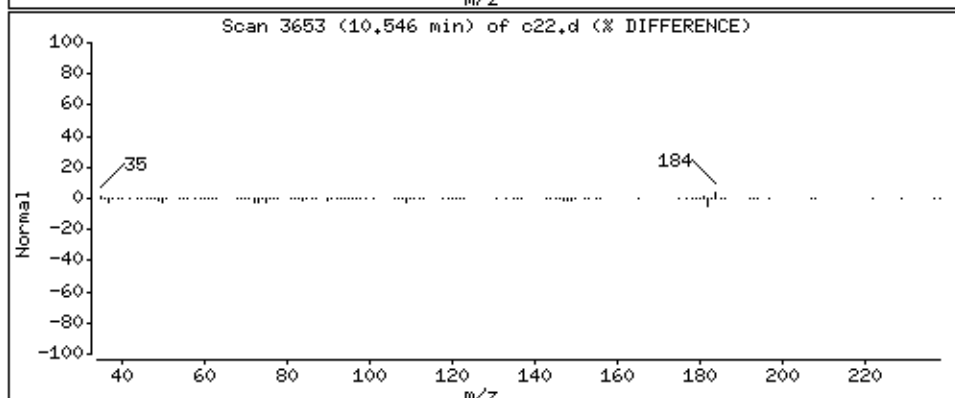
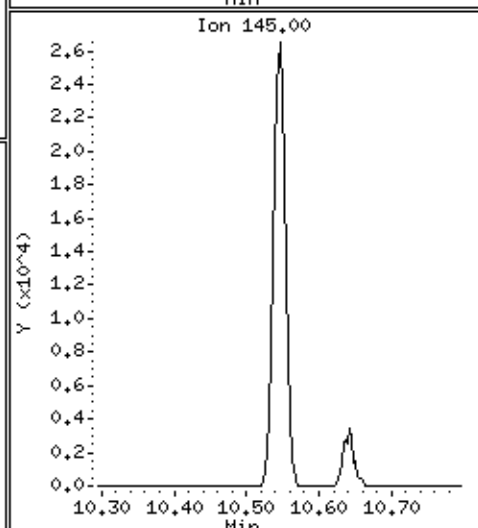
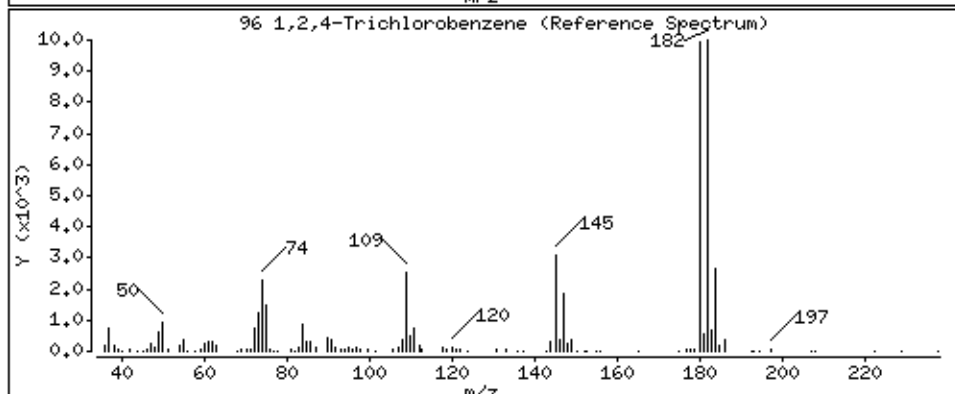
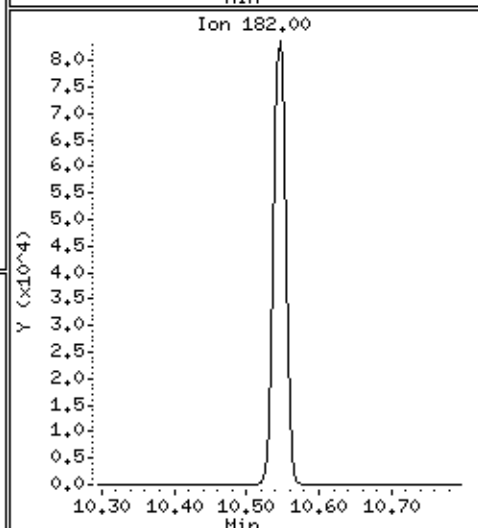
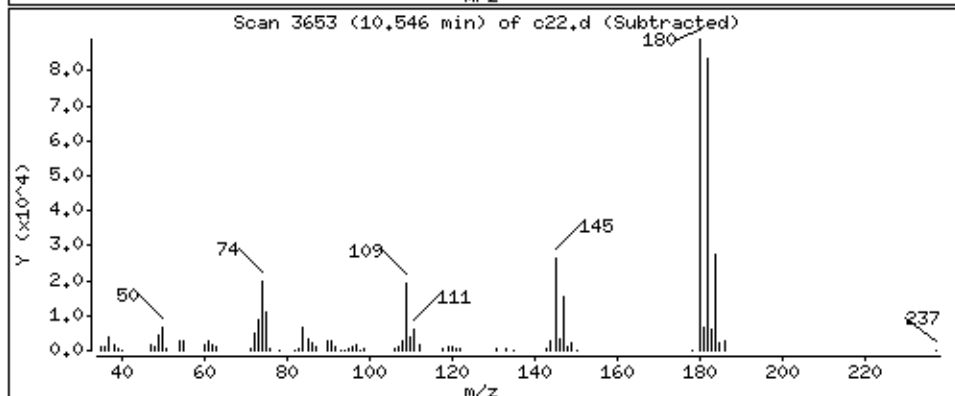
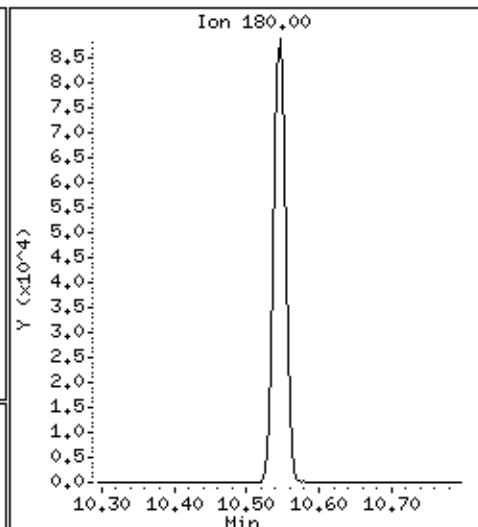
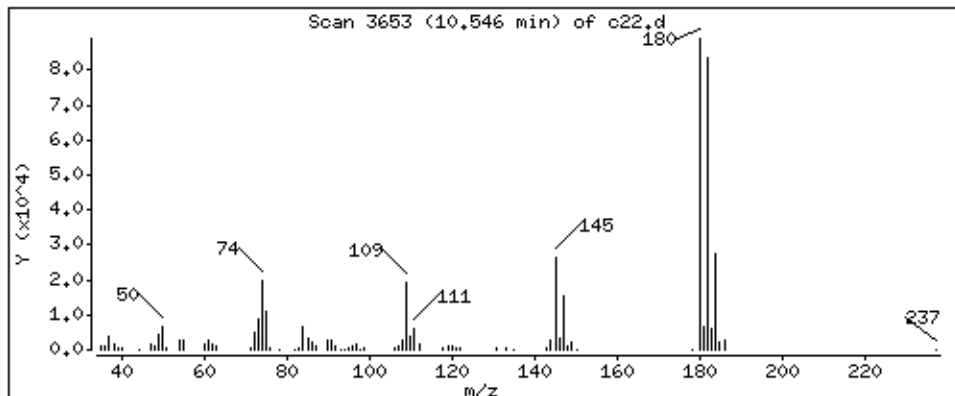
Operator: amv

Column phase: DB-624

Column diameter: 0,18

96 1,2,4-Trichlorobenzene

Concentration: 47.0 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

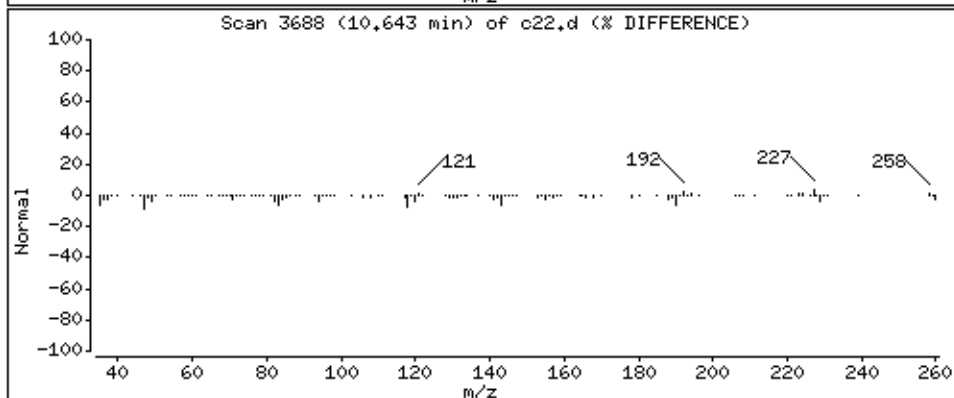
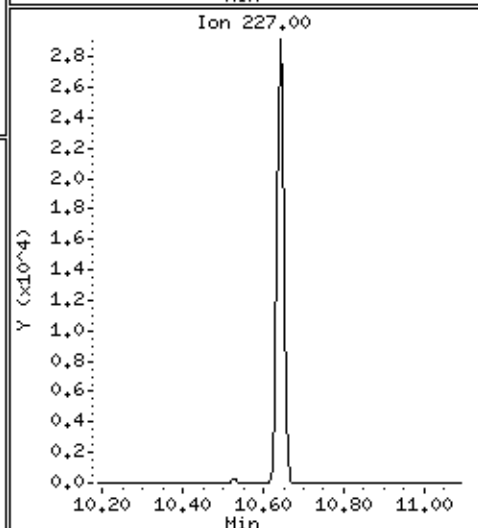
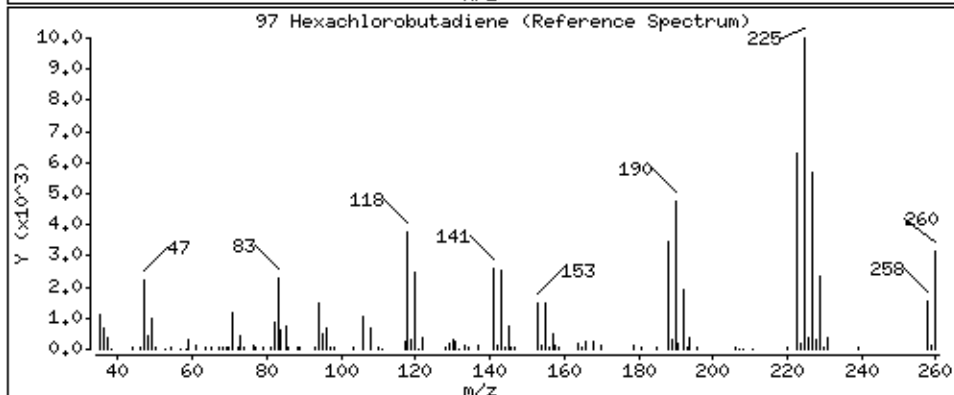
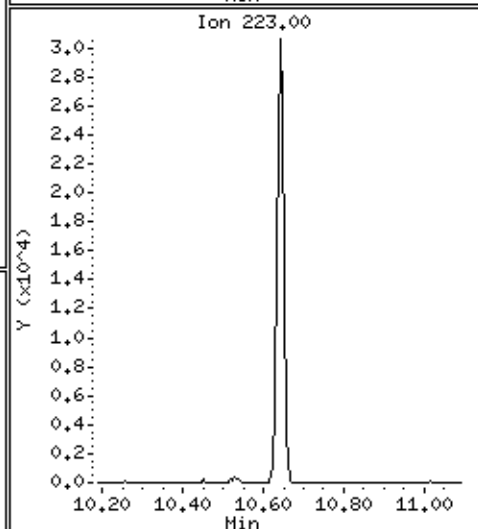
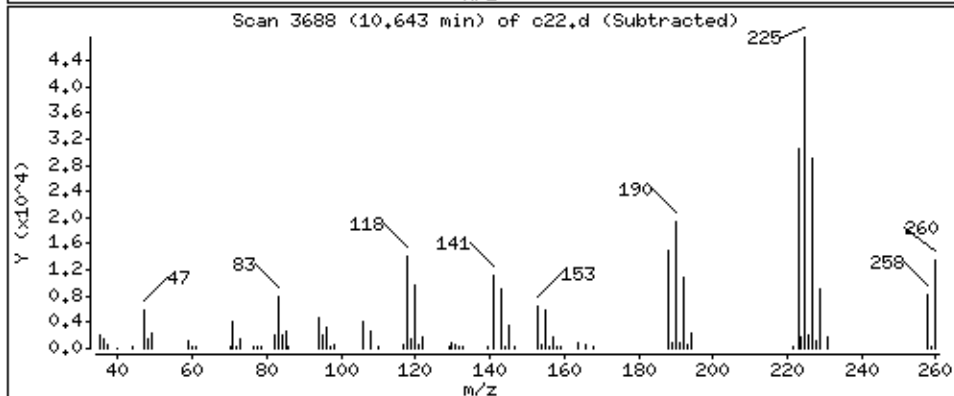
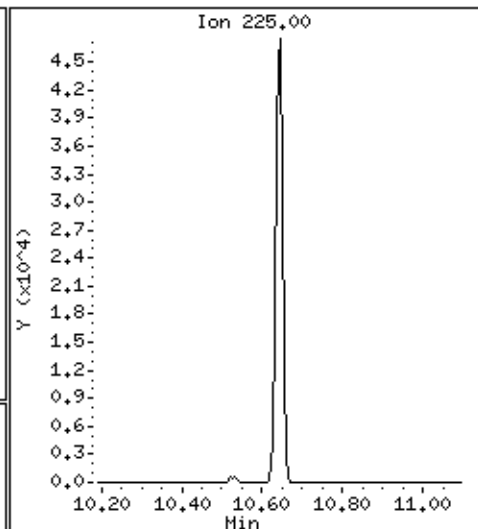
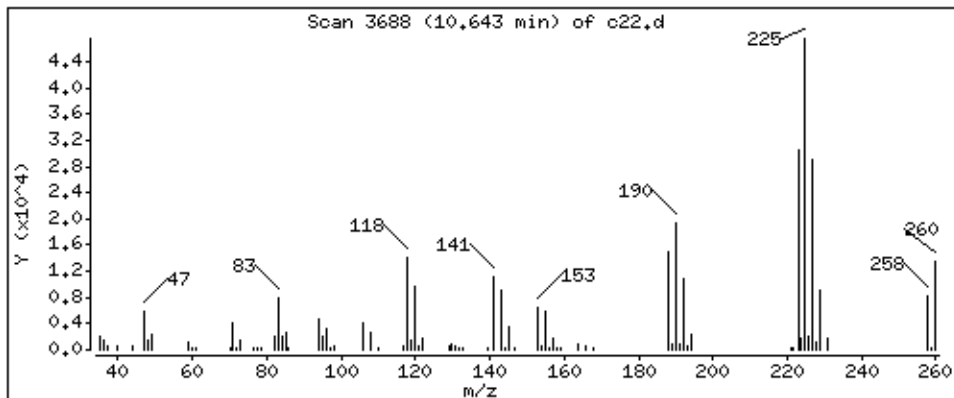
Operator: amv

Column phase: DB-624

Column diameter: 0,18

97 Hexachlorobutadiene

Concentration: 48,1 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

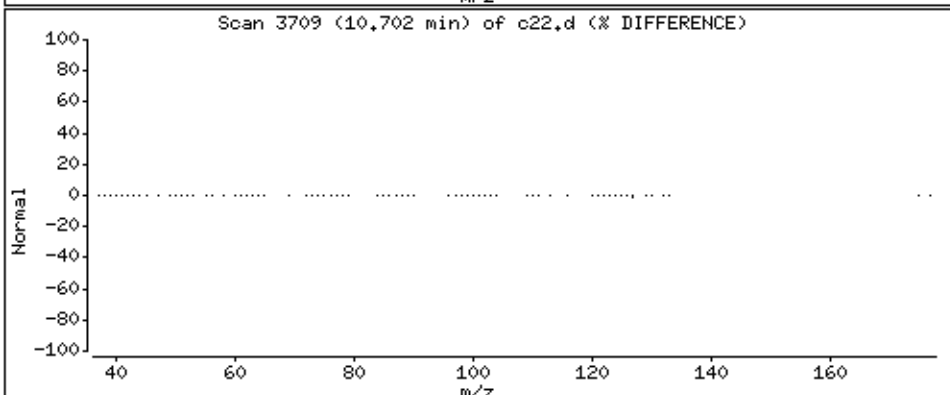
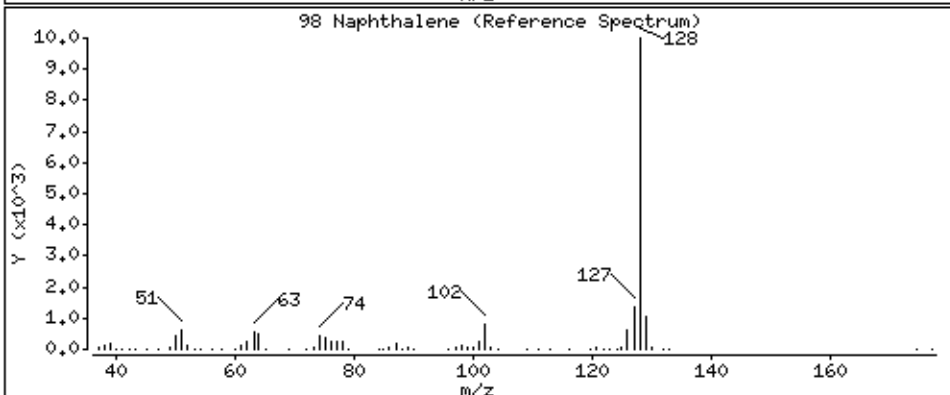
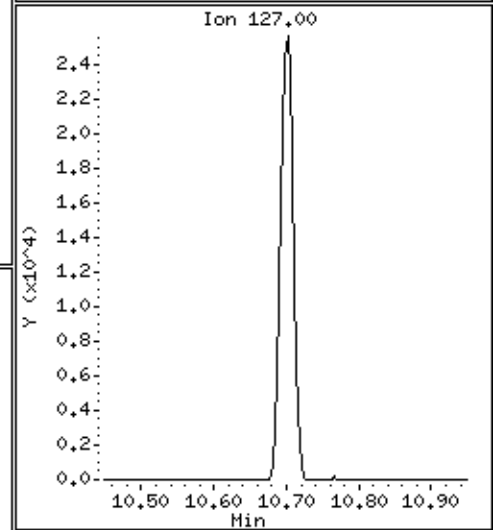
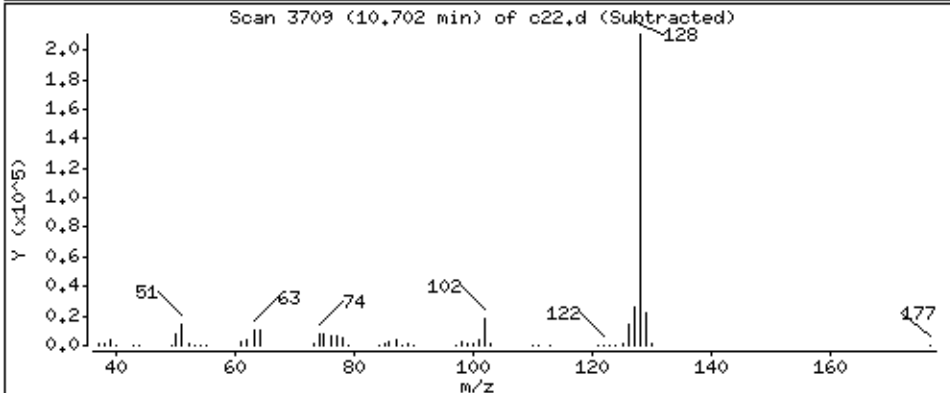
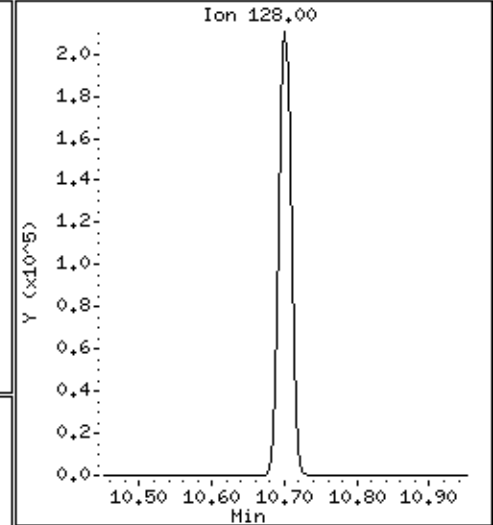
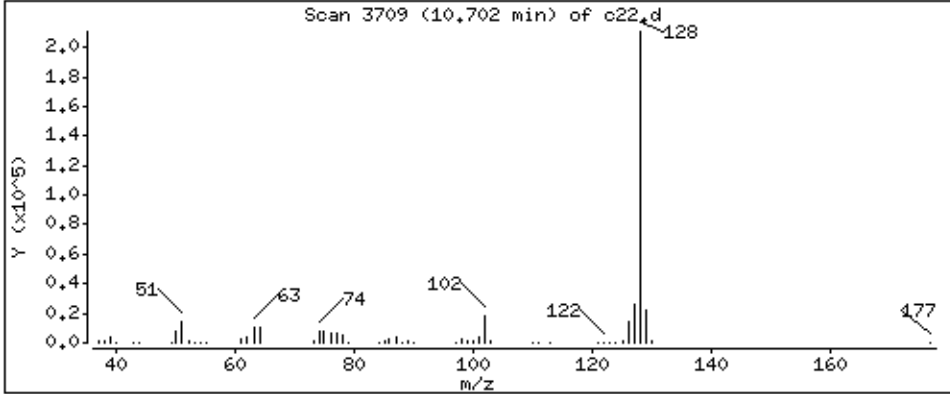
Operator: amv

Column phase: DB-624

Column diameter: 0,18

98 Naphthalene

Concentration: 49,8 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

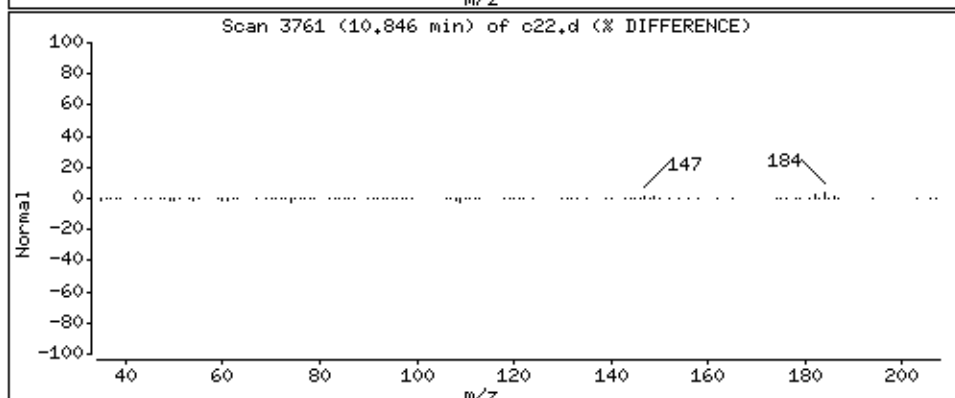
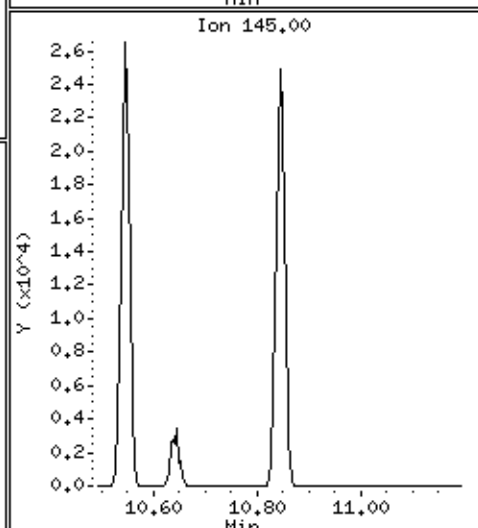
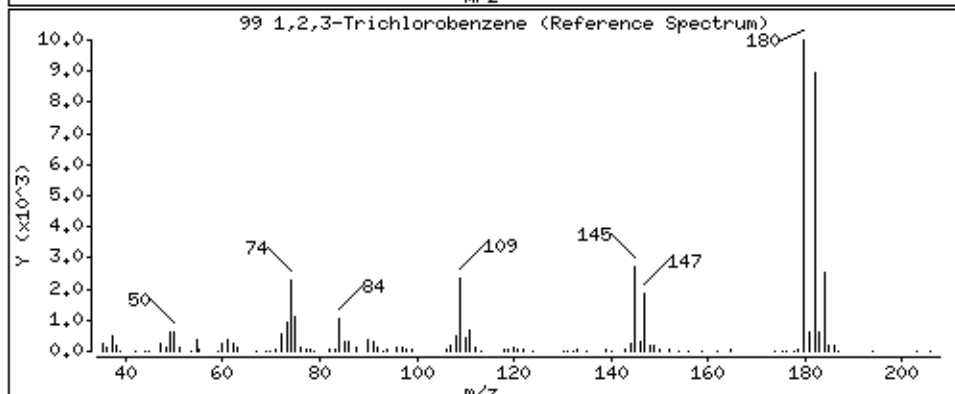
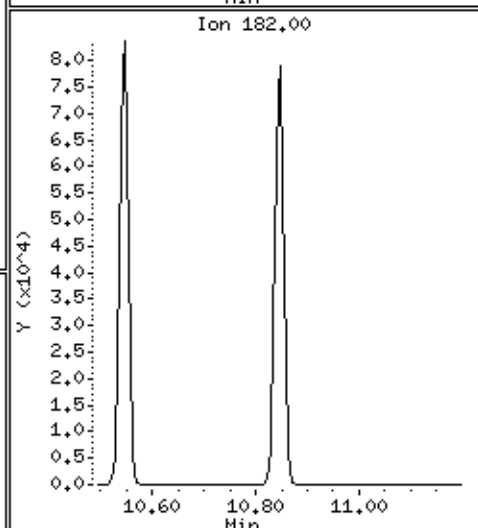
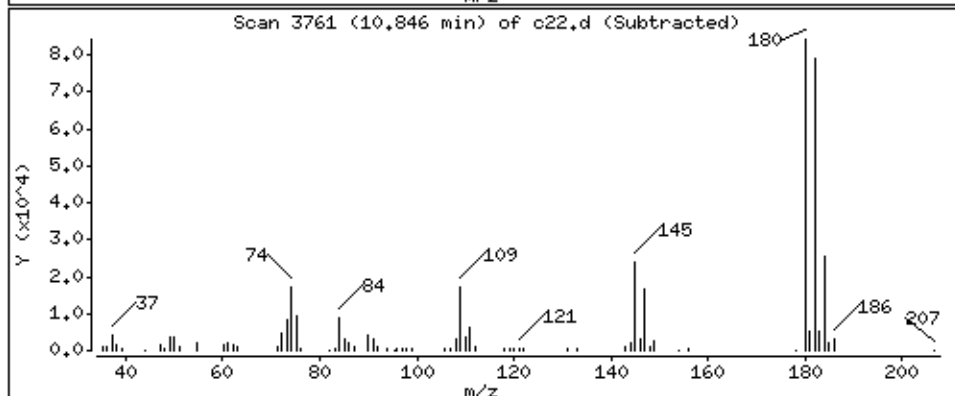
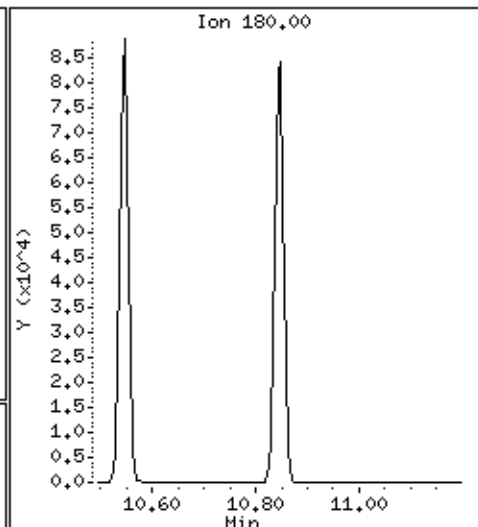
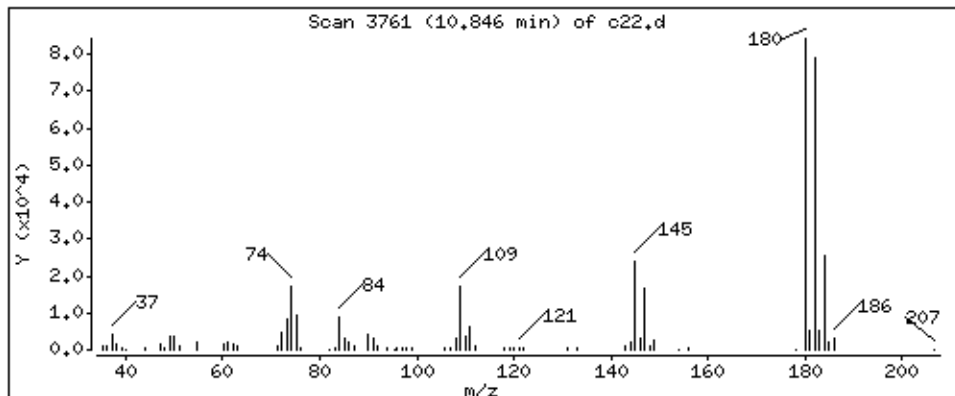
Operator: amv

Column phase: DB-624

Column diameter: 0,18

99 1,2,3-Trichlorobenzene

Concentration: 50,8 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

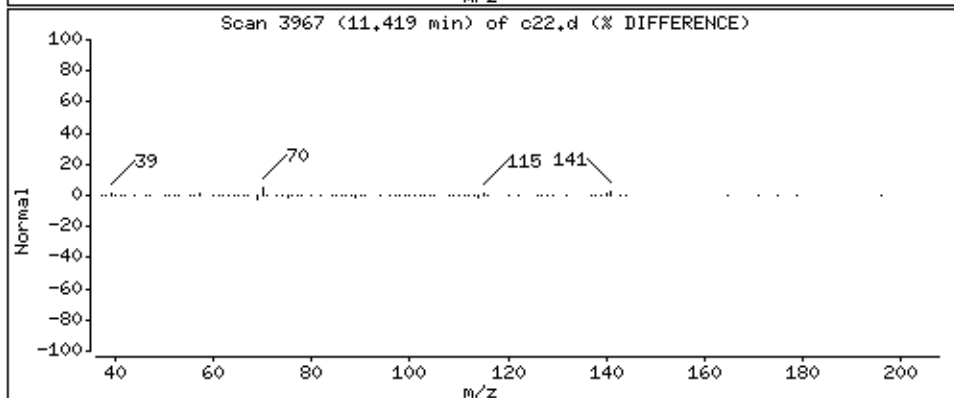
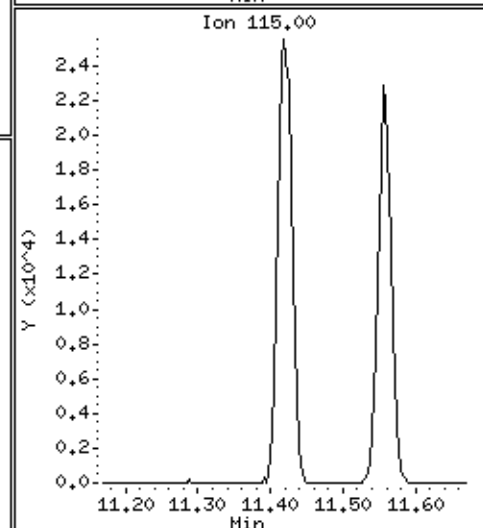
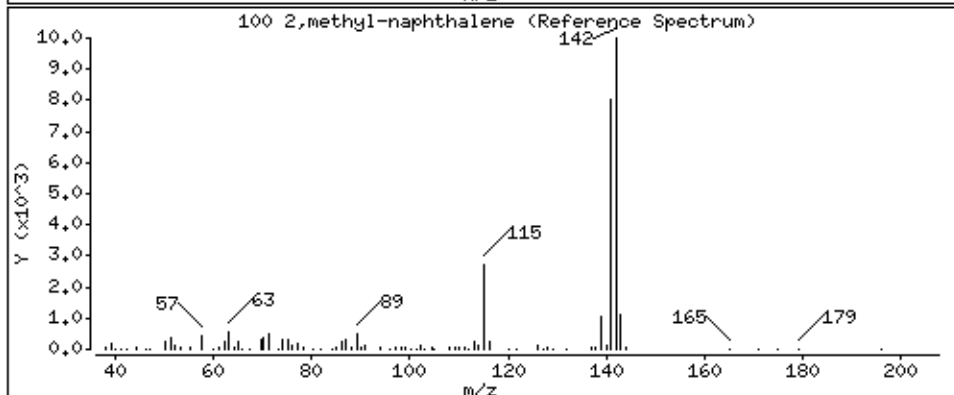
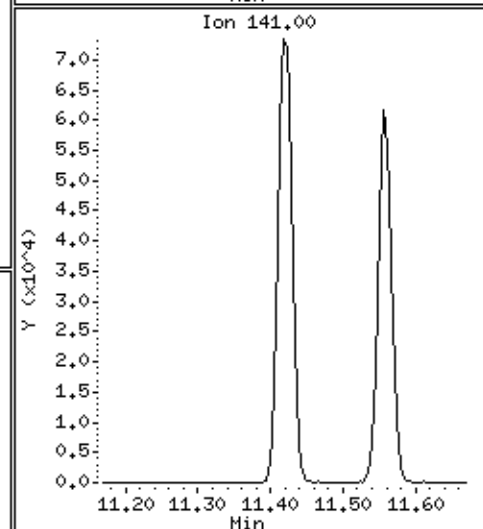
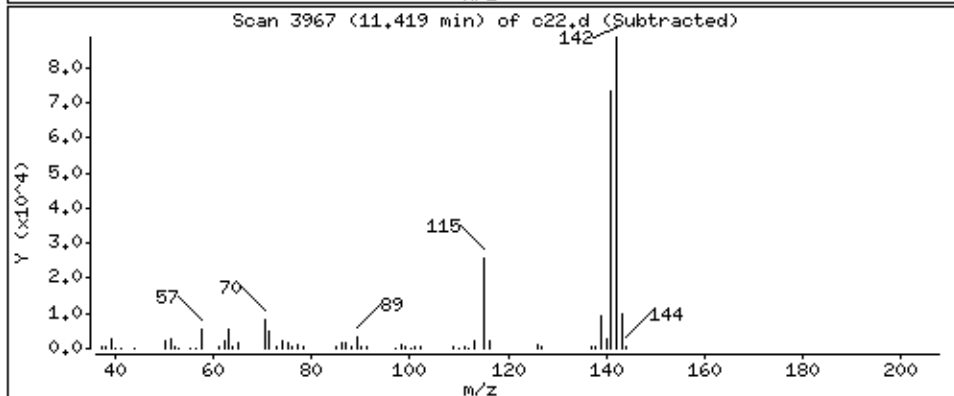
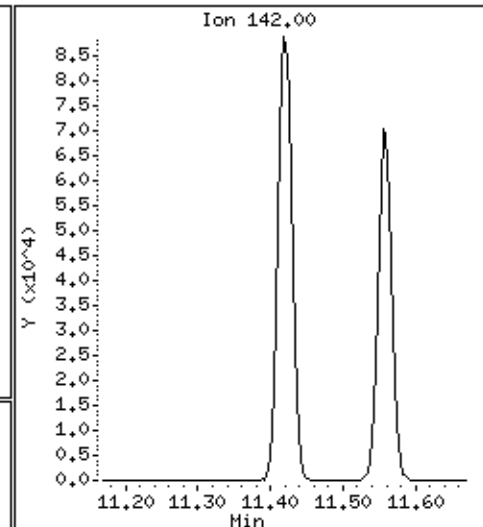
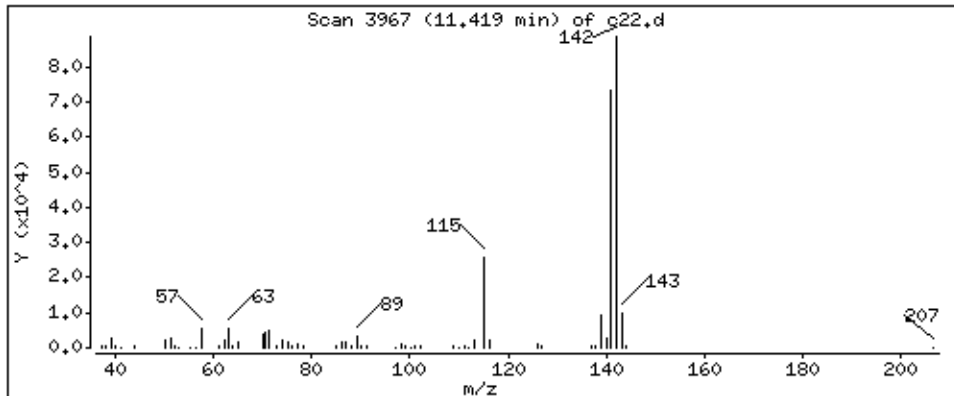
Operator: amv

Column phase: DB-624

Column diameter: 0,18

100 2,methyl-naphthalene

Concentration: 47.0 ppb



Date : 02-SEP-2018 11:48

Client ID:

Instrument: 50mv2a.i

Sample Info: ms

Purge Volume: 5.0

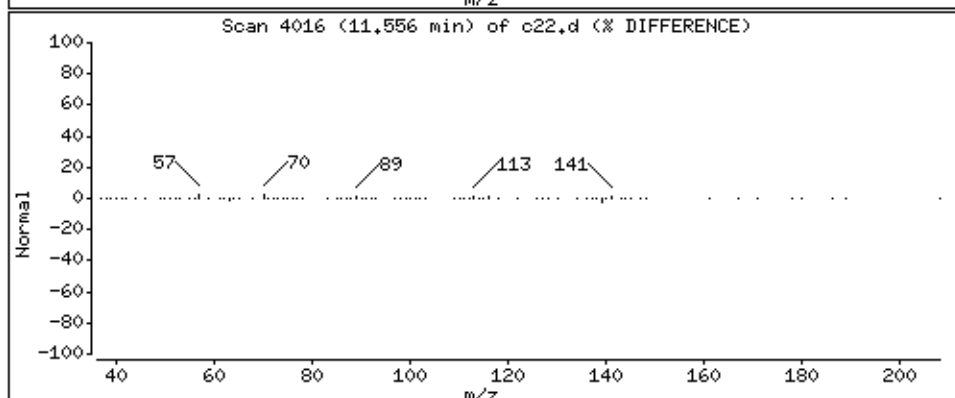
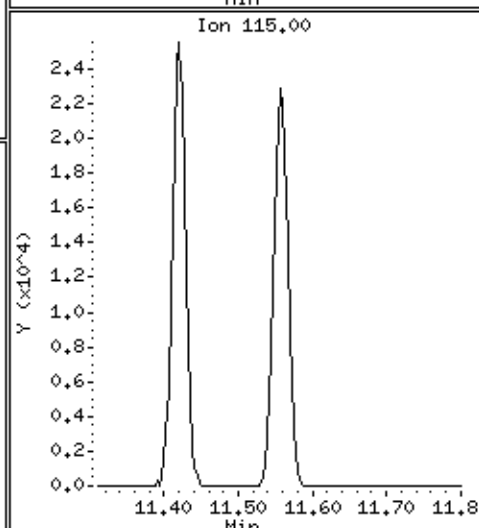
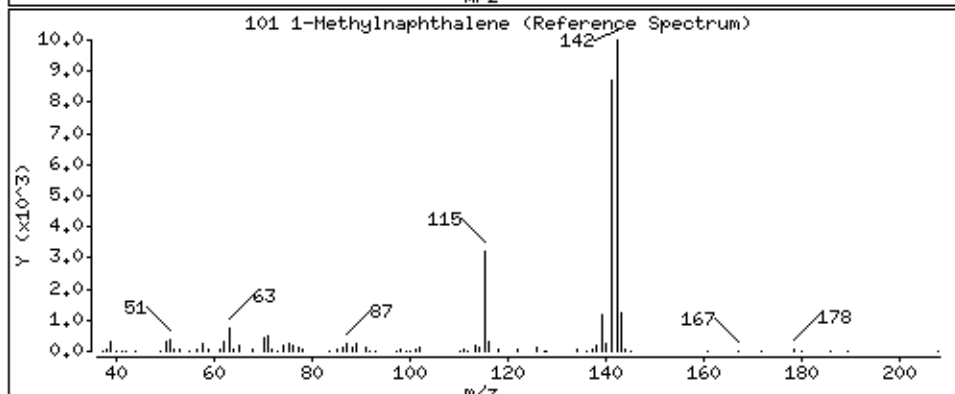
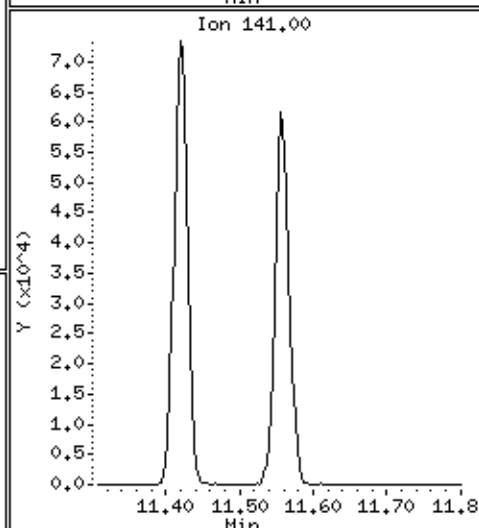
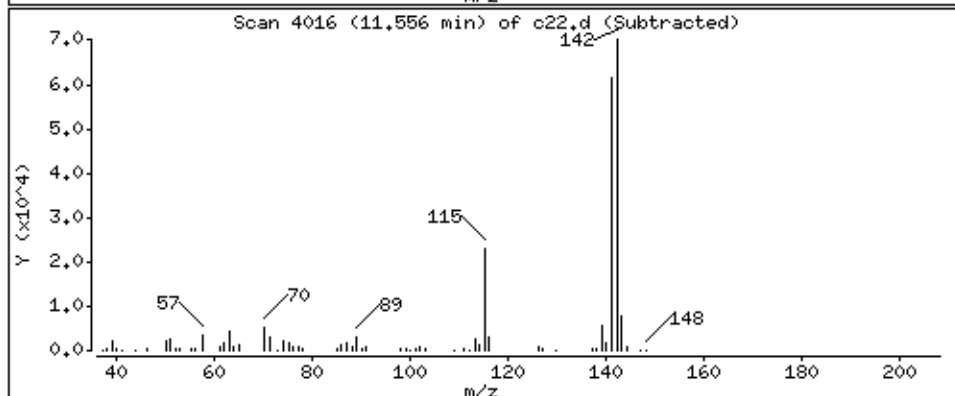
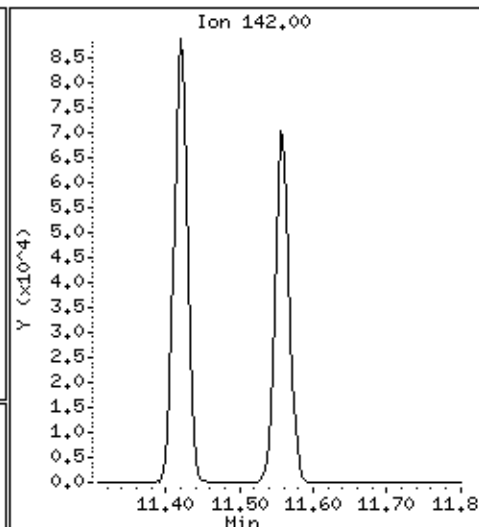
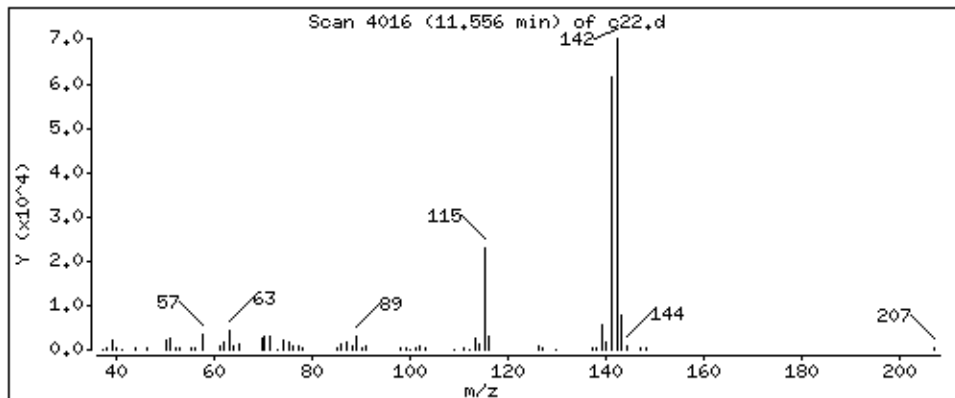
Operator: amv

Column phase: DB-624

Column diameter: 0,18

101 1-Methylnaphthalene

Concentration: 48,8 ppb



Data File: \\192.168.50.6\chem\50mv2a.i\a090118.b/c22.d
Injection Date: 02-SEP-2018 11:48
Instrument: 50mv2a.i
Lab Sample ID:
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MSD

Lab Name: Pace Analytical - Indiana
Date Received: 08/29/2018 09:15
Date Extracted: 09/02/2018 12:13
Date Analyzed: 09/02/2018 12:13
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Water SDG No.: 50204438
Lab Sample ID: 2121947
Lab File ID: A090118.B\C23.D
Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	230	
107-02-8	Acrolein	729	
71-43-2	Benzene	49.1	
75-27-4	Bromodichloromethane	45.2	
75-25-2	Bromoform	41.7	
74-83-9	Bromomethane	38.0	
78-93-3	2-Butanone (MEK)	236	
104-51-8	n-Butylbenzene	45.3	
135-98-8	sec-Butylbenzene	50.6	
98-06-6	tert-Butylbenzene	44.0	
75-15-0	Carbon disulfide	48.8	
56-23-5	Carbon tetrachloride	49.0	
108-90-7	Chlorobenzene	51.0	
75-00-3	Chloroethane	52.6	
67-66-3	Chloroform	45.8	
74-87-3	Chloromethane	33.6	
106-93-4	1,2-Dibromoethane (EDB)	50.6	
74-95-3	Dibromomethane	49.5	
95-50-1	1,2-Dichlorobenzene	49.0	
541-73-1	1,3-Dichlorobenzene	50.0	
106-46-7	1,4-Dichlorobenzene	48.9	
75-71-8	Dichlorodifluoromethane	62.6	
75-34-3	1,1-Dichloroethane	49.1	
107-06-2	1,2-Dichloroethane	46.8	
75-35-4	1,1-Dichloroethene	50.4	
156-59-2	cis-1,2-Dichloroethene	48.4	
156-60-5	trans-1,2-Dichloroethene	49.5	
78-87-5	1,2-Dichloropropane	48.4	
10061-01-5	cis-1,3-Dichloropropene	44.5	
10061-02-6	trans-1,3-Dichloropropene	42.6	
100-41-4	Ethylbenzene	49.7	
591-78-6	2-Hexanone	194	
98-82-8	Isopropylbenzene (Cumene)	49.1	
99-87-6	p-Isopropyltoluene	51.8	
75-09-2	Methylene Chloride	48.6	
108-10-1	4-Methyl-2-pentanone (MIBK)	216	
1634-04-4	Methyl-tert-butyl ether	49.5	

09/10/2018 6:14

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MSD

Lab Name: Pace Analytical - Indiana
 Date Received: 08/29/2018 09:15
 Date Extracted: 09/02/2018 12:13
 Date Analyzed: 09/02/2018 12:13
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
 Matrix: Water SDG No.: 50204438
 Lab Sample ID: 2121947
 Lab File ID: A090118.B\C23.D
 Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
91-20-3	Naphthalene	48.2	
103-65-1	n-Propylbenzene	48.9	
100-42-5	Styrene	50.2	
630-20-6	1,1,1,2-Tetrachloroethane	49.4	
79-34-5	1,1,2,2-Tetrachloroethane	42.5	
127-18-4	Tetrachloroethene	51.4	
108-88-3	Toluene	45.6	
120-82-1	1,2,4-Trichlorobenzene	46.5	
71-55-6	1,1,1-Trichloroethane	51.9	
79-00-5	1,1,2-Trichloroethane	52.9	
79-01-6	Trichloroethene	46.4	
75-69-4	Trichlorofluoromethane	50.3	
95-63-6	1,2,4-Trimethylbenzene	49.0	
108-67-8	1,3,5-Trimethylbenzene	46.3	
108-05-4	Vinyl acetate	91.7	
75-01-4	Vinyl chloride	44.0	
179601-23-1	m&p-Xylene	97.7	
95-47-6	o-Xylene	51.1	

09/10/2018 6:14

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a090118.b\c23.d
 Lab Smp Id:
 Inj Date : 02-SEP-2018 12:13
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : msd
 Misc Info : 117838
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a090118.b\ -a8260_a_c.m
 Meth Date : 04-Sep-2018 10:47 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 49
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						CONCENTRATIONS		REVIEW C
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb)	FINAL (ppb)	
1 Dichlorodifluoromethane	85		0.927	0.927	(0.213)	98598	62.6497	62.6		
2 Chloromethane	50		1.030	1.030	(0.236)	44984	33.5523	33.6		
3 Vinyl Chloride	62		1.069	1.069	(0.245)	74489	43.9525	44.0		
4 Bromomethane	94		1.228	1.228	(0.282)	19844	38.0458	38.0		
5 Chloroethane	64		1.275	1.275	(0.292)	45633	52.6008	52.6		
6 Trichlorofluoromethane	101		1.400	1.400	(0.321)	101107	50.2523	50.2		
7 Diethyl ether	74		1.539	1.536	(0.353)	38058	45.6037	45.6		
8 1,2-dichlorotrifluoroethane	67		1.536	1.534	(0.352)	81923	57.9950	58.0		
9 Acrolein	56		1.611	1.611	(0.370)	234481	728.750	729		
10 1,1,2trichlorotrifluoroethane	101		1.667	1.664	(0.382)	70005	53.7387	53.7		
11 1,1-Dichloroethene	96		1.673	1.673	(0.384)	66049	50.3636	50.4		
12 Acetone	43		1.692	1.692	(0.388)	85551	229.805	230		
13 Iodomethane	142		1.767	1.767	(0.405)	63951	43.2854	43.3		
14 Carbon Disulfide	76		1.815	1.815	(0.416)	189339	48.8424	48.8		
15 Methyl Acetate	43		1.692	1.692	(0.388)	85551	45.5999	45.6(Q)		
16 Acetonitrile	39		1.879	1.879	(0.431)	162384	38.9214	38.9		
17 allyl chloride	41		1.879	1.879	(0.431)	249967	90.9952	91.0		
18 Methylene Chloride	84		1.956	1.956	(0.449)	61680	48.5809	48.6		
19 tert-Butyl Alcohol	59		2.007	2.004	(0.460)	9211	77.8831	77.9(Q)		
20 Acrylonitrile	53		2.112	2.112	(0.484)	102770	175.205	175		
21 Methyl-tert-butyl ether	73		2.129	2.129	(0.488)	199517	49.4807	49.5		
22 1,2-Dichloroethene (trans)	96		2.137	2.137	(0.490)	71146	49.4974	49.5		
23 n-Hexane	57		2.332	2.332	(0.535)	125757	44.9660	45.0		

Compounds	QUANT SIG		CONCENTRATIONS					REVIEW C
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb)	FINAL (ppb)	
24 Vinyl Acetate	43	2.482	2.482	(0.569)	409207	91.6627	91.7 (M)	NI
25 1,1-Dichloroethane	63	2.449	2.452	(0.562)	134027	49.1383	49.1	
26 Chloroprene	53	2.527	2.527	(0.580)	143774	46.4069	46.4	
27 Ethyl acetate	88	2.527	2.527	(0.580)	66337	422.855	423	
28 2-Butanone	72	2.983	2.983	(0.684)	31100	235.887	236 (Q)	
29 1,2-Dichloroethene (cis)	96	2.969	2.966	(0.681)	76936	48.4295	48.4	
30 2,2-Dichloropropane	77	2.975	2.966	(0.682)	80401	34.0951	34.1	
31 Propionitrile	54	3.050	3.044	(0.699)	7649	39.7204	39.7 (Q)	
32 Methacrylonitrile	41	3.208	3.206	(0.736)	197836	188.058	188 (M)	NI
33 Bromochloromethane	49	3.217	3.217	(0.738)	56173	44.4698	44.5	
34 Tetrahydrofuran	42	3.272	3.275	(0.751)	21459	42.1655	42.2	
35 Chloroform	83	3.309	3.306	(0.759)	124349	45.8137	45.8	
\$ 36 Dibromofluoromethane (S)	113	3.498	3.495	(0.802)	71136	54.9701	55.0	
37 1,1,1-Trichloroethane	97	3.523	3.523	(0.808)	121552	51.8842	51.9 (M)	NI
38 cyclohexane	56	3.587	3.584	(0.823)	127072	39.5680	39.6	
150 n-butyl chloride	56	3.587	3.584	(0.823)	131183	34.3584	34.4	
39 Carbon Tetrachloride	117	3.726	3.726	(0.855)	102900	48.9549	49.0 (M)	NI
40 1,1-Dichloropropene	75	3.734	3.732	(0.856)	99818	50.4636	50.5	
41 Benzene	78	3.999	3.999	(0.917)	276629	49.0924	49.1	
42 1,2-Dichloroethane	62	4.032	4.029	(0.925)	96795	46.8206	46.8	
43 2,2,4-Trimethylpentane	57	4.115	4.121	(0.944)	331247	50.7198	50.7	
44 Isobutyl alcohol	43	3.935	3.924	(0.902)	9996	218.473	218	
* 45 Fluorobenzene	96	4.360	4.360	(1.000)	289760	50.0000		
47 Trichloroethene	95	4.803	4.805	(1.101)	71213	46.3813	46.4	
48 Methylcyclohexane	55	5.017	5.020	(1.151)	113799	42.1050	42.1	
49 1,2-Dichloropropane	63	5.070	5.064	(1.163)	72363	48.3924	48.4	
50 1,4-Dioxane	88	5.242	5.242	(1.202)	4587	1003.99	1000	
51 Dibromomethane	93	5.198	5.198	(1.192)	38804	49.4740	49.5	
52 Methyl methacrylate	69	5.248	5.245	(1.204)	48712	43.0878	43.1	
53 Bromodichloromethane	83	5.398	5.398	(1.238)	92589	45.1554	45.2	
55 cis-1,3-Dichloropropene	75	5.904	5.904	(0.783)	103919	44.5319	44.5	
56 4-Methyl-2-Pentanone	43	6.096	6.096	(0.809)	390775	216.314	216	
\$ 57 Toluene-d8	98	6.188	6.185	(0.821)	278939	51.9956	52.0	
58 Toluene	91	6.258	6.258	(0.830)	300771	45.5919	45.6	
59 trans-1,3-Dichloropropene	75	6.511	6.514	(0.863)	93227	42.6403	42.6	
60 Ethyl Methacrylate	69	6.633	6.631	(0.880)	395852	194.985	195	
61 1,1,2-Trichloroethane	83	6.689	6.686	(0.887)	51032	52.8832	52.9	
62 Tetrachloroethene	166	6.803	6.806	(0.902)	91104	51.4365	51.4	
63 1,3-Dichloropropane	76	6.842	6.845	(0.907)	111923	52.0340	52.0	
64 2-Hexanone	43	6.945	6.945	(0.921)	246816	193.692	194	
65 Dibromochloromethane	129	7.045	7.045	(0.934)	71643	49.6407	49.6	
66 1,2-Dibromoethane	107	7.134	7.134	(0.946)	60894	50.6039	50.6	
* 67 Chlorobenzene-d5	117	7.540	7.540	(1.000)	219418	50.0000		
68 Chlorobenzene	112	7.565	7.563	(1.003)	194398	51.0039	51.0	
69 1,1,1,2-Tetrachloroethane	131	7.638	7.641	(1.013)	72842	49.3574	49.4	
70 Ethylbenzene	106	7.663	7.663	(1.016)	110158	49.6558	49.6	
71 m&p-Xylene	106	7.763	7.760	(1.030)	269623	97.7194	97.7	
72 o-Xylene	106	8.069	8.069	(1.070)	128859	51.1047	51.1	
73 Styrene	104	8.083	8.083	(1.072)	215146	50.1909	50.2	
74 Bromoform	173	8.219	8.217	(0.887)	45196	41.7474	41.7	
75 Isopropylbenzene	105	8.353	8.353	(1.108)	354187	49.0524	49.0	
\$ 76 4-Bromofluorobenzene	95	8.461	8.461	(1.122)	110787	53.9468	53.9	
77 n-amyl acetate	70	8.239	8.239	(1.093)	129462	125.336	125	
78 Bromobenzene	77	8.564	8.564	(1.136)	122711	48.6386	48.6	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ppb)	FINAL (ppb)	
79 1,1,2,2-Tetrachloroethane	83	8.578	8.578	(0.926)	73466	42.5017	42.5	
80 trans-1,4-Dichloro-2-butene	53	8.617	8.614	(1.143)	73196	123.926	124(Q)	
81 1,2,3-Trichloropropane	110	8.603	8.603	(0.928)	24654	45.5357	45.5(Q)	
82 n-Propylbenzene	91	8.651	8.651	(0.933)	420598	48.8584	48.8	
83 2-Chlorotoluene	91	8.709	8.709	(0.940)	238778	50.6913	50.7	
84 1,3,5-Trimethylbenzene	105	8.776	8.776	(0.947)	275061	46.2651	46.3	
85 4-Chlorotoluene	126	8.784	8.784	(0.948)	81154	49.4711	49.5	
86 tert-Butylbenzene	119	9.001	9.001	(0.971)	304100	44.0474	44.0	
87 1,2,4-Trimethylbenzene	105	9.032	9.032	(0.974)	291322	48.9926	49.0	
88 sec-Butylbenzene	105	9.149	9.149	(0.987)	388576	50.6080	50.6	
89 1,3-Dichlorobenzene	146	9.224	9.224	(0.995)	161795	49.9697	50.0	
90 p-Isopropyltoluene	119	9.246	9.246	(0.998)	332836	51.7740	51.8	
* 91 1,4-Dichlorobenzene-d4	152	9.268	9.268	(1.000)	119608	50.0000		
92 1,4-Dichlorobenzene	146	9.285	9.282	(1.002)	159115	48.8778	48.9	
93 n-Butylbenzene	91	9.516	9.516	(1.027)	273968	45.2819	45.3	
94 1,2-Dichlorobenzene	146	9.533	9.530	(1.029)	141669	48.9648	49.0	
95 1,2-Dibromo-3-chloropropane	155	10.031	10.033	(1.082)	13766	47.1069	47.1	
96 1,2,4-Trichlorobenzene	180	10.545	10.545	(1.138)	96595	46.5063	46.5	
97 Hexachlorobutadiene	225	10.643	10.643	(1.148)	52249	48.5561	48.6	
98 Naphthalene	128	10.701	10.701	(1.155)	232676	48.2430	48.2	
99 1,2,3-Trichlorobenzene	180	10.846	10.846	(1.170)	91887	49.2349	49.2	
100 2-methyl-naphthalene	142	11.422	11.419	(1.232)	122103	49.3043	49.3	
101 1-Methylnaphthalene	142	11.555	11.558	(1.247)	102360	51.3275	51.3	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

Review Codes Legend

NI: Indicates that the peak was not integrated at all by the computer software.

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a090118.b\c23.d
 Lab Smp Id:
 Inj Date : 02-SEP-2018 12:13
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : msd
 Misc Info : 117838
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a090118.b\ -a8260_a_c.m
 Meth Date : 04-Sep-2018 10:47 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 49
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

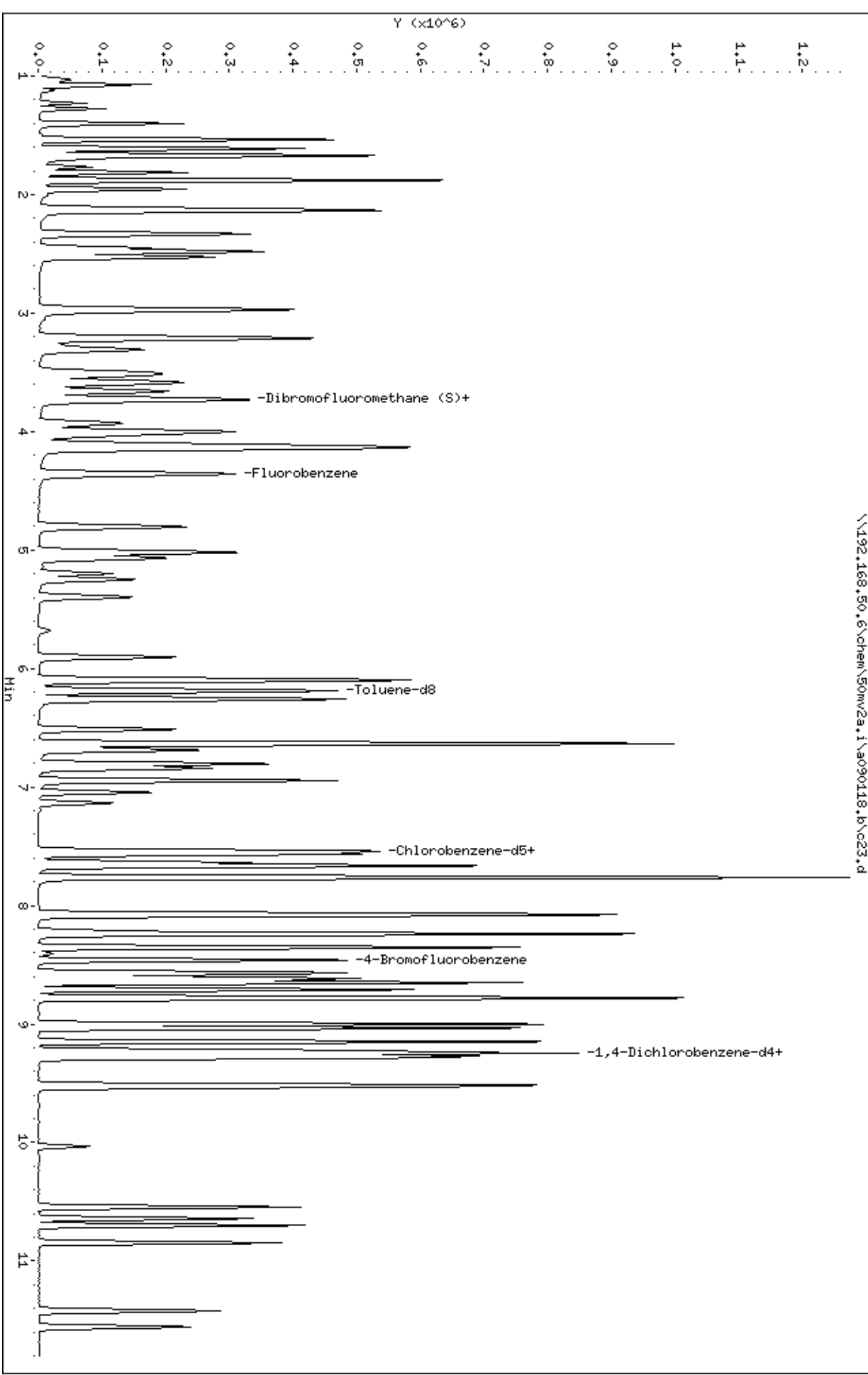
COMPOUND	RT	AREA	AMOUNT
1 Dichlorodifluoromethane	0.928	218474	62.650
3 Vinyl Chloride	1.069	208899	43.952
55 cis-1,3-Dichloropropene	5.905	349154	44.532

RT	AREA	CONCENTRATIONS			QUAL	QUANT			REVIEW CODE
		ON-COL(ppb)	FINAL(ppb)			LIBRARY	LIB ENTRY	CPND #	
Unknown									
0.855	543257	155.784453	156	0		0	1		
Unknown									
1.119	42584	8.95975846	8.96	0		0	3		
METHANE, CHLOROiodo-									
5.680	35061	4.47177998	4.47	91	WILEY.1	24014	55		

Data File: \\192.168.50.6\chem\50mw2a.1\A090118.B\c23.d
Date : 02-SEP-2018 12:13
Client ID:
Sample Info: msd
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw2a.1
Operator: amw
Column diameter: 0.18

\\192.168.50.6\chem\50mw2a.1\A090118.B\c23.d



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

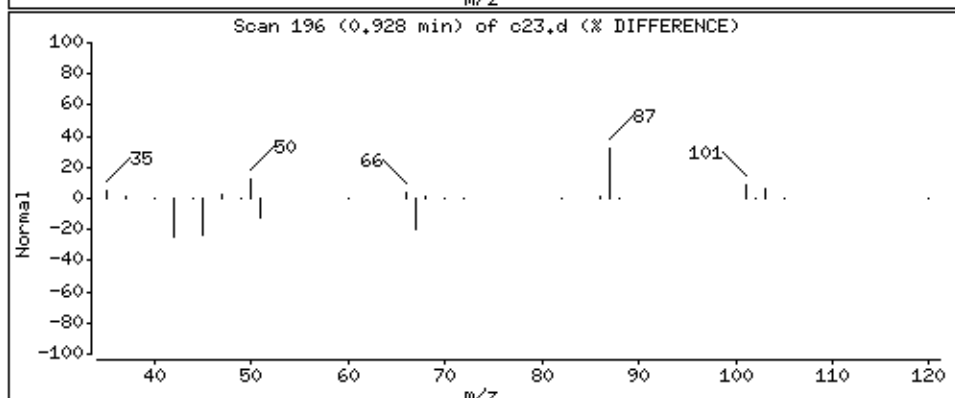
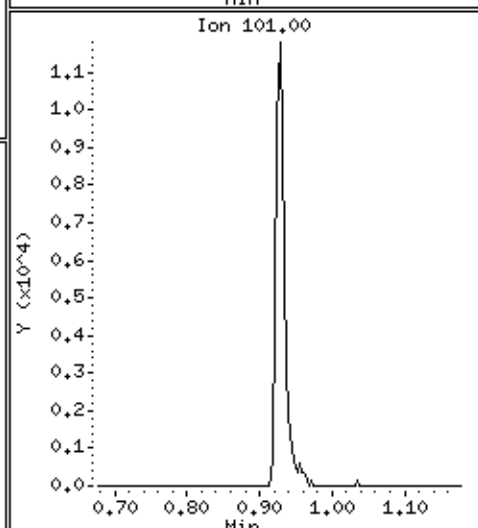
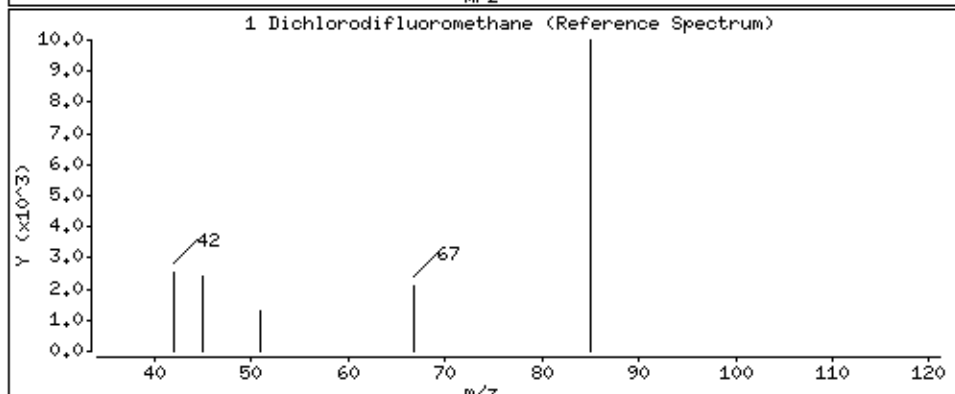
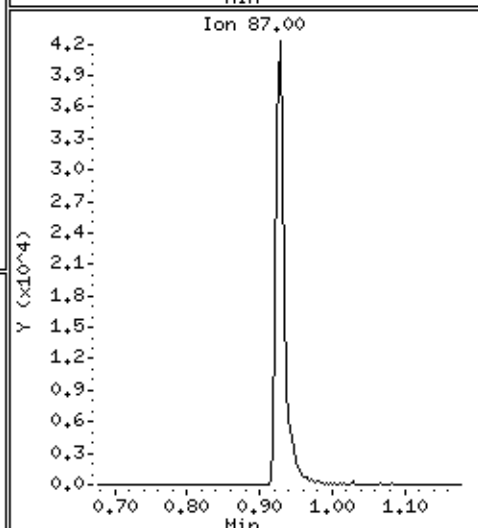
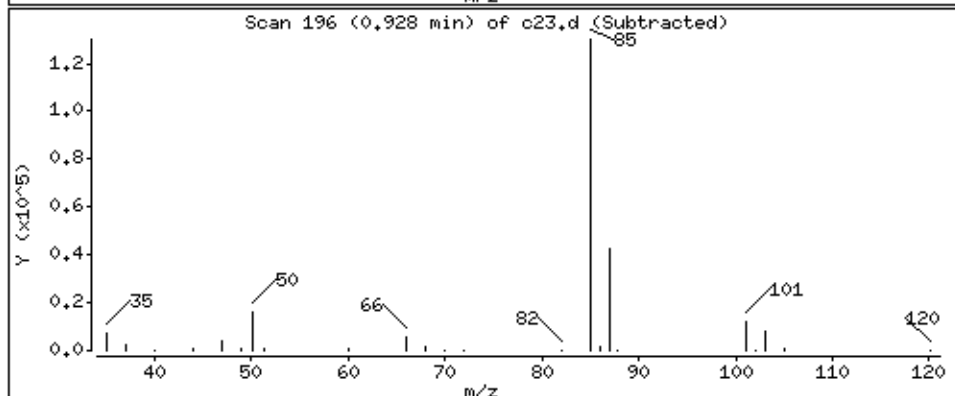
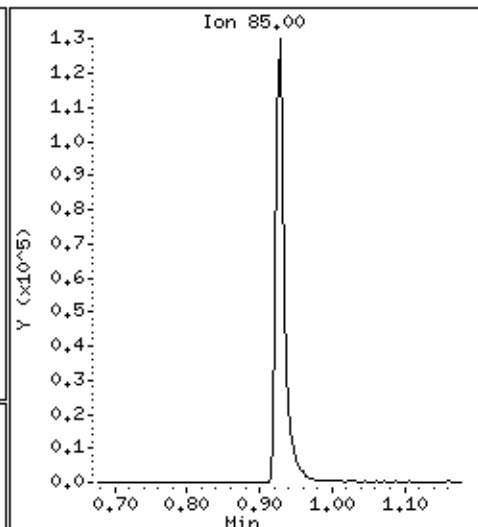
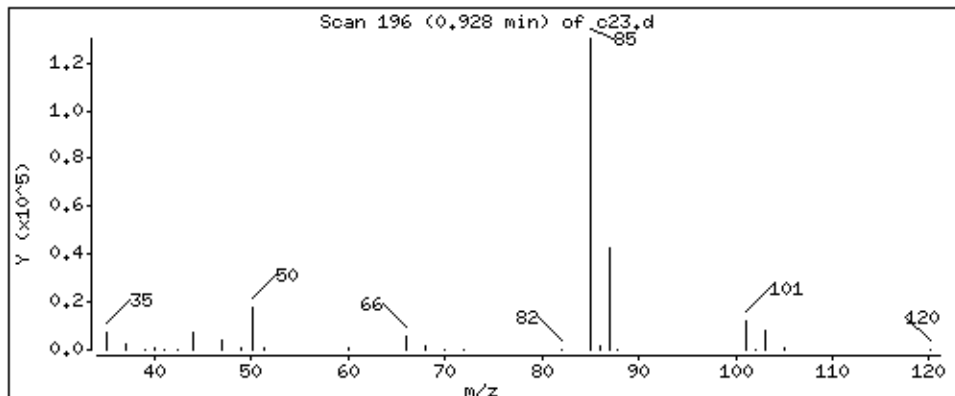
Operator: amv

Column phase: DB-624

Column diameter: 0,18

1 Dichlorodifluoromethane

Concentration: 62.6 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

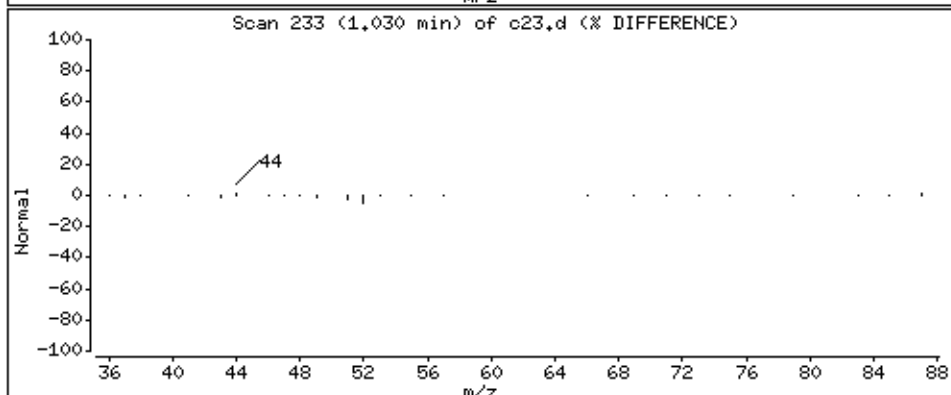
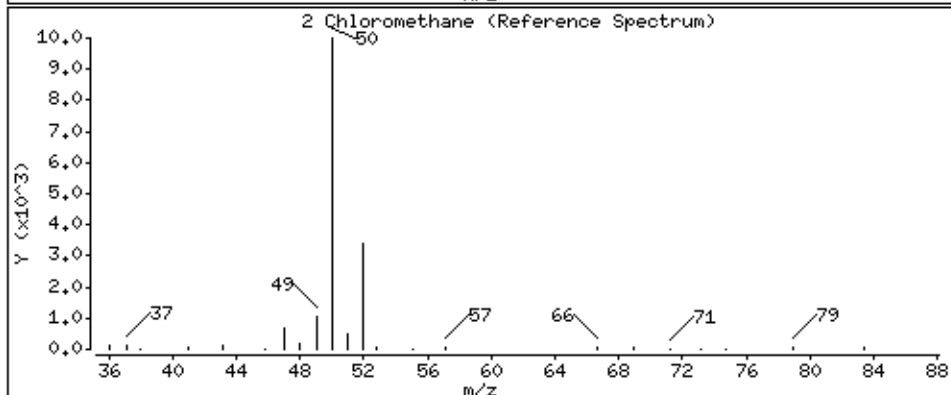
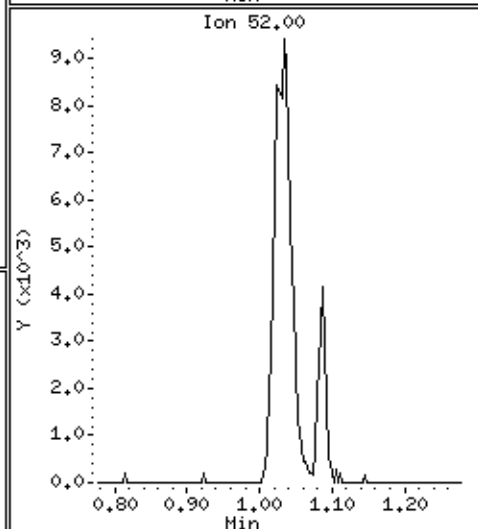
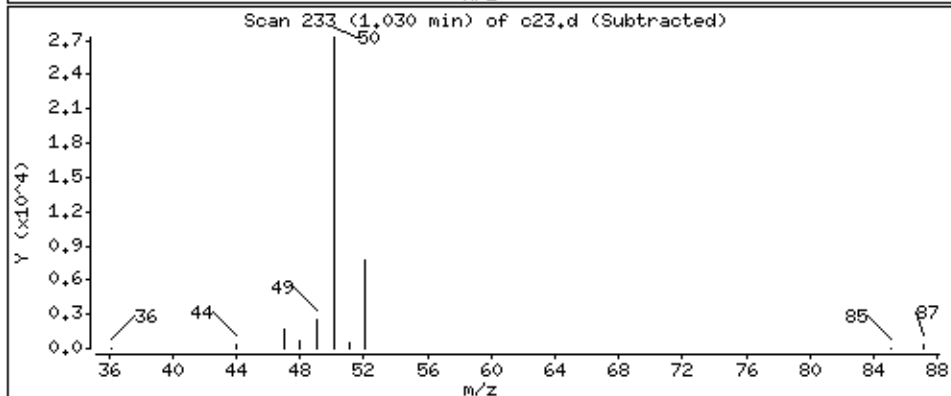
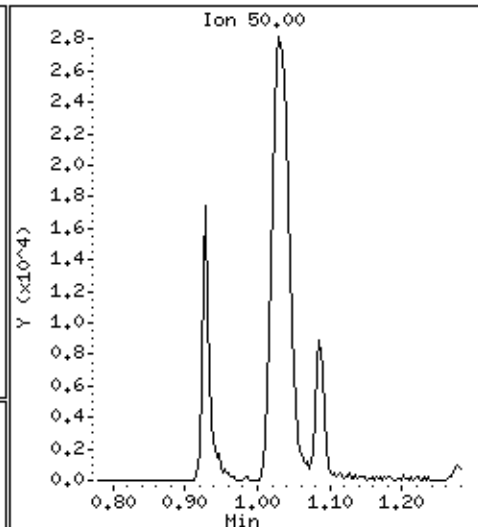
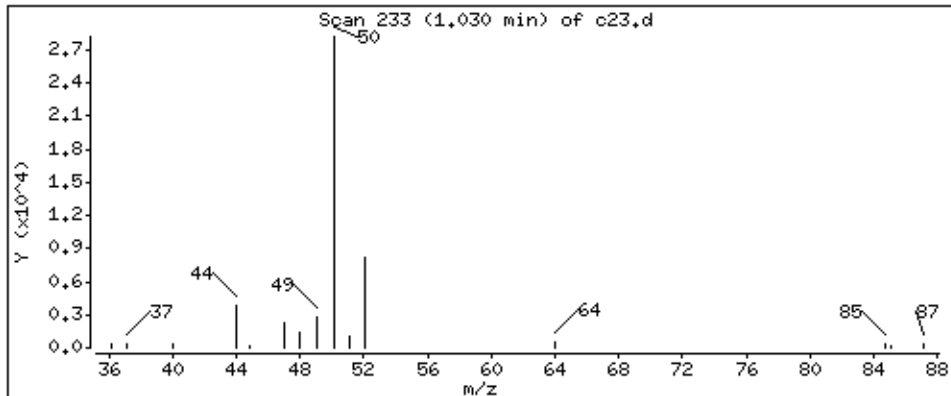
Operator: amv

Column phase: DB-624

Column diameter: 0,18

2 Chloromethane

Concentration: 33,6 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

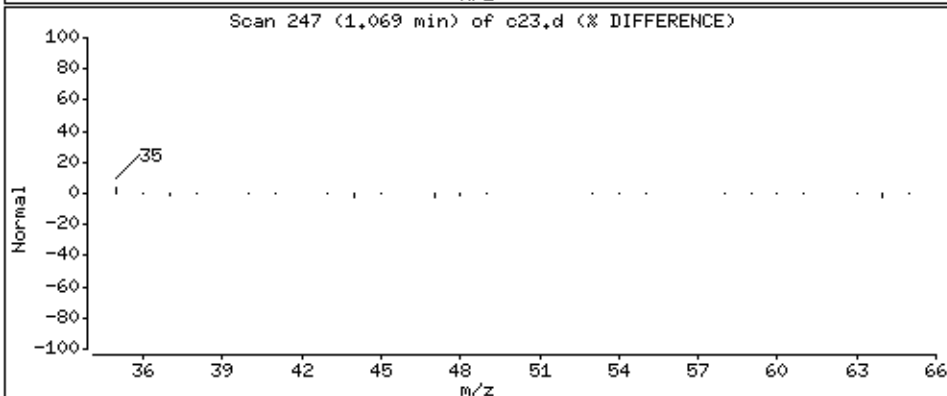
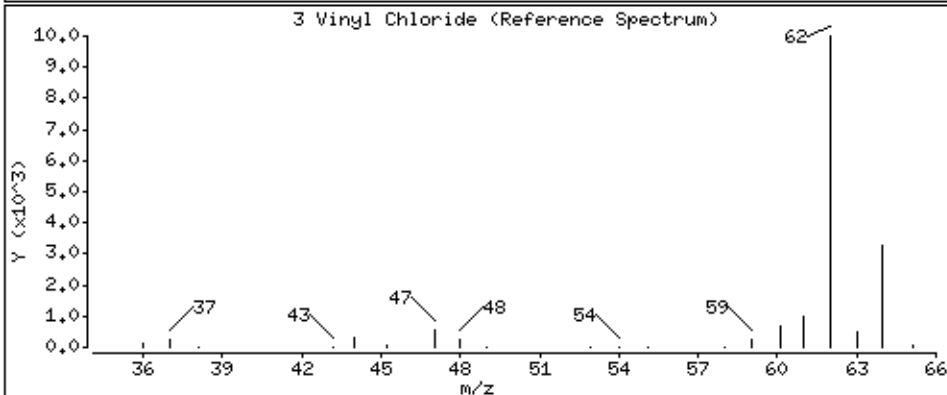
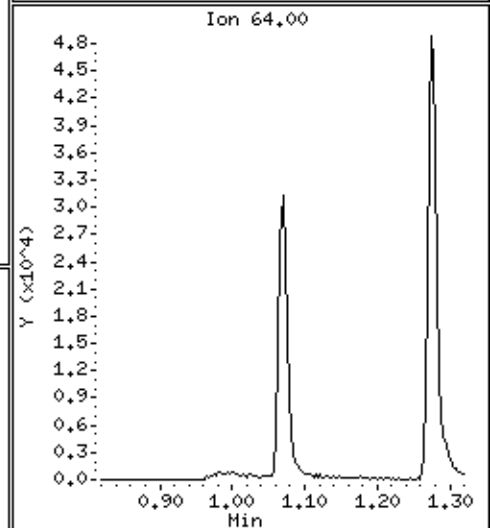
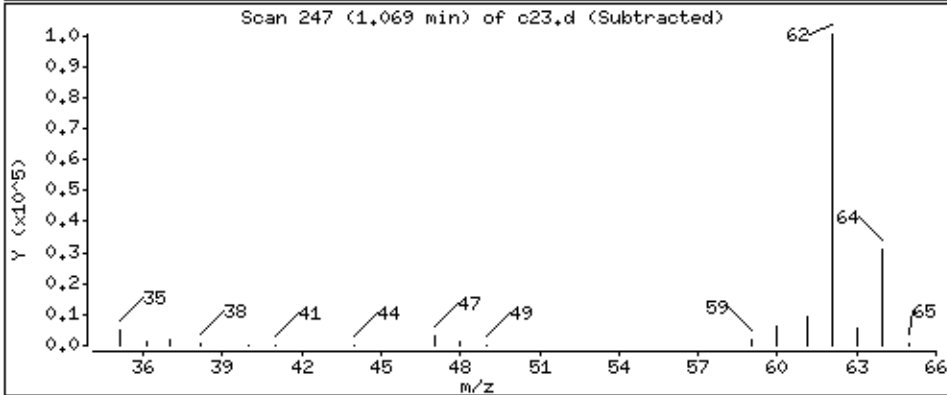
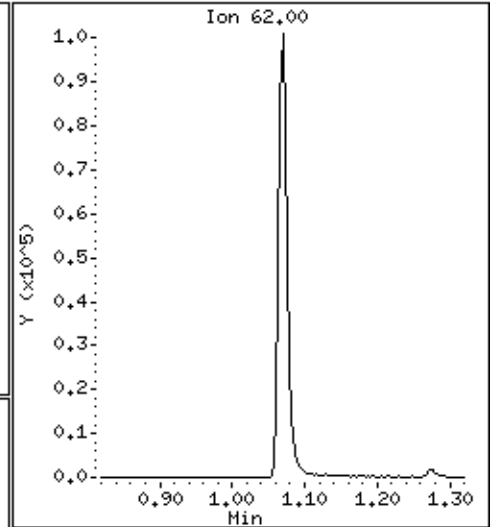
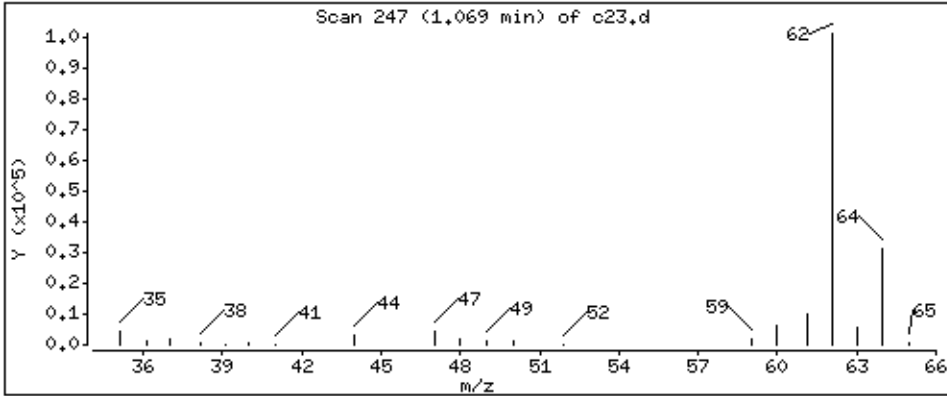
Operator: amv

Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 44,0 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

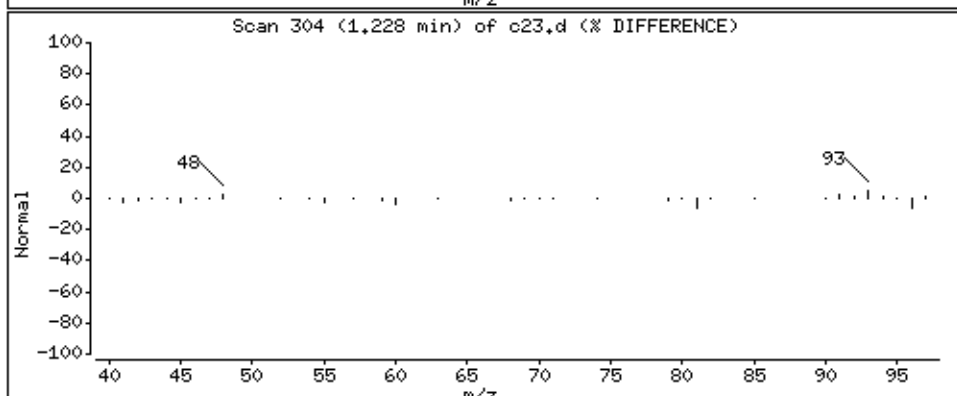
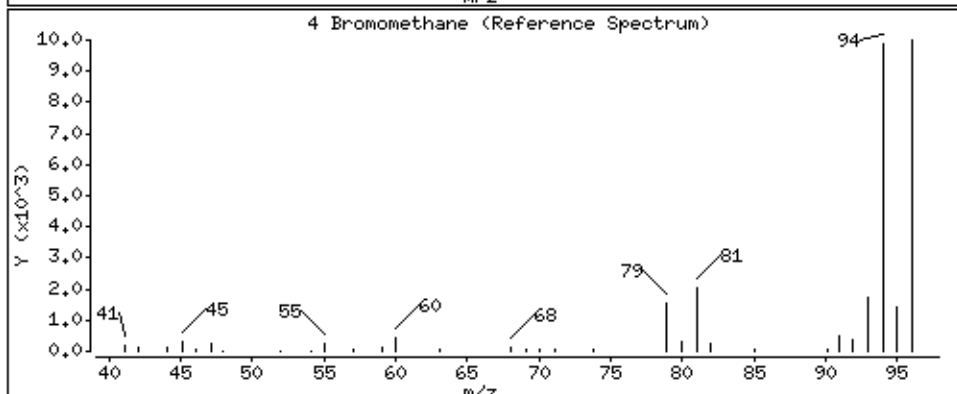
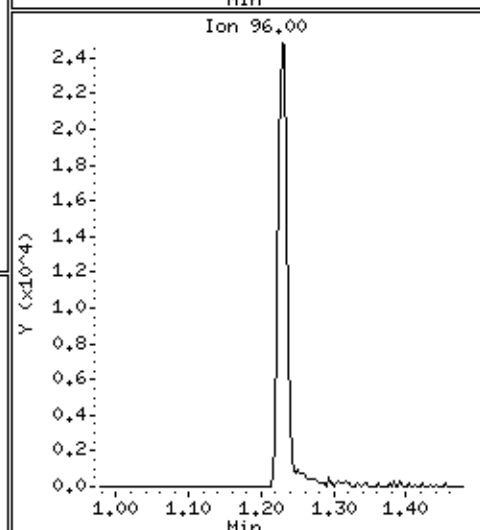
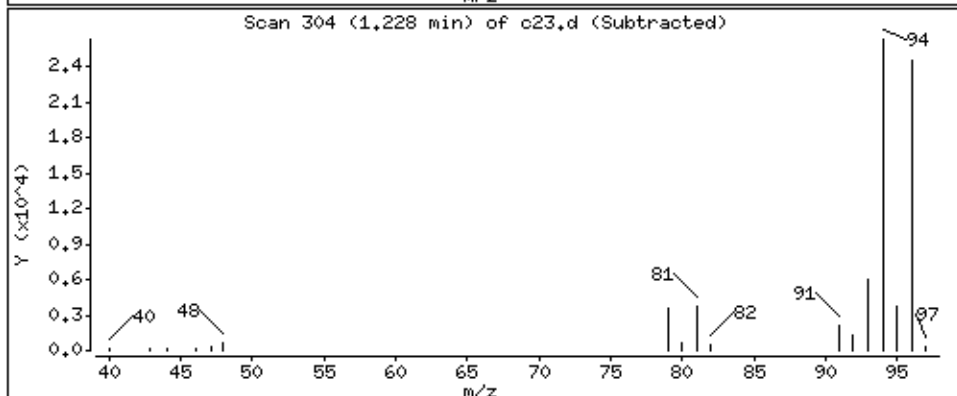
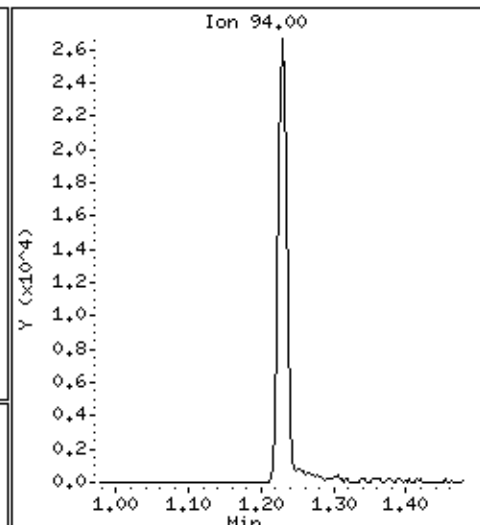
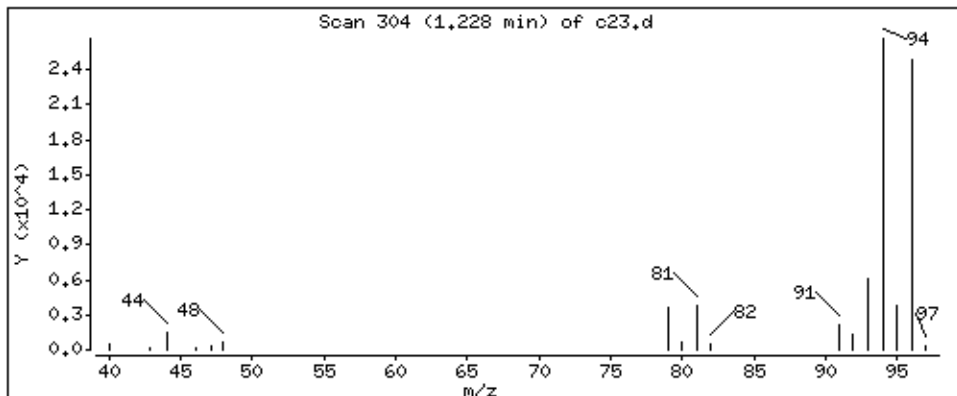
Operator: amv

Column phase: DB-624

Column diameter: 0,18

4 Bromomethane

Concentration: 38,0 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

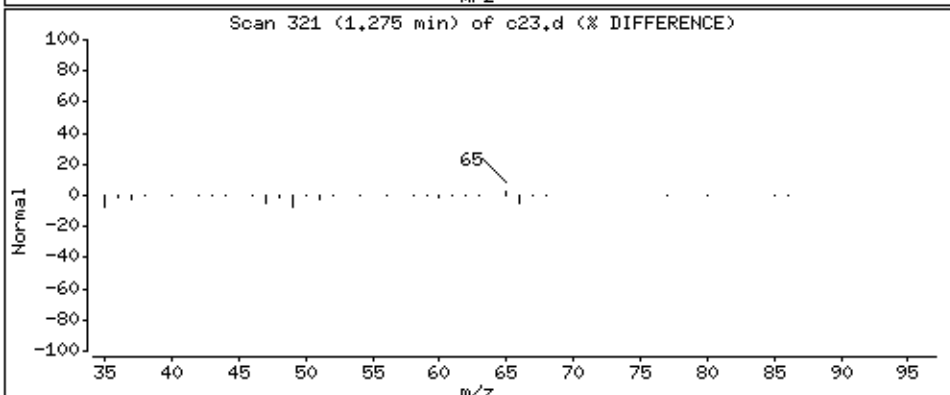
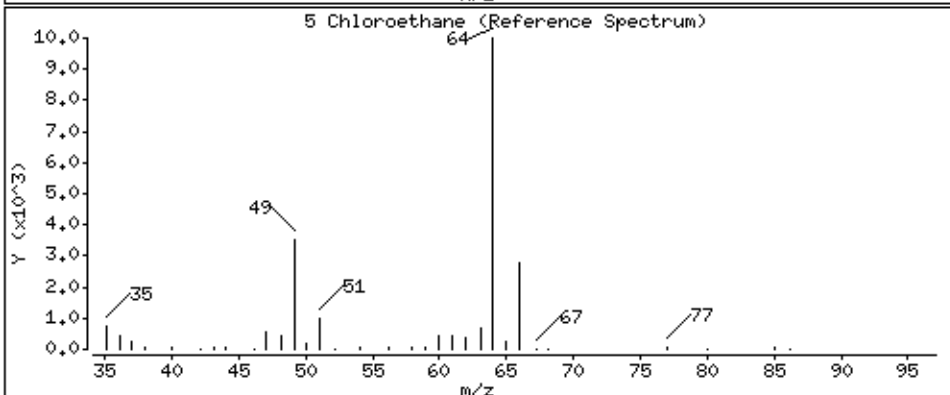
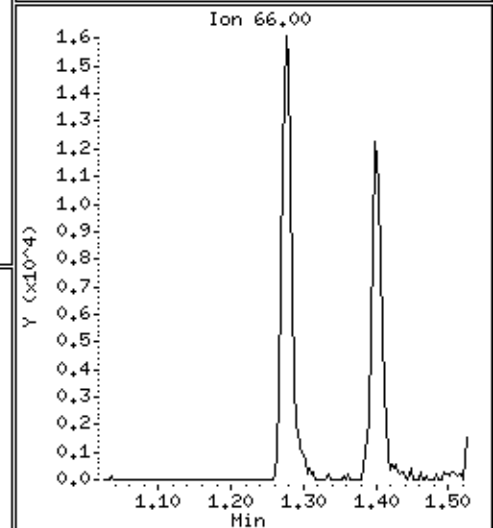
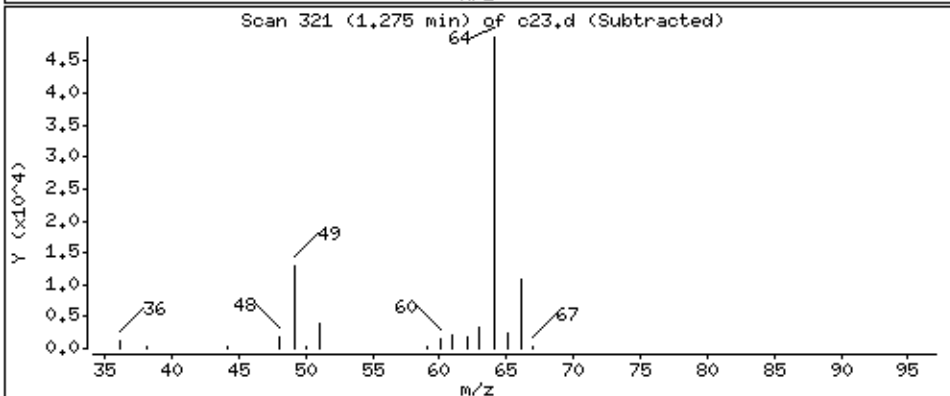
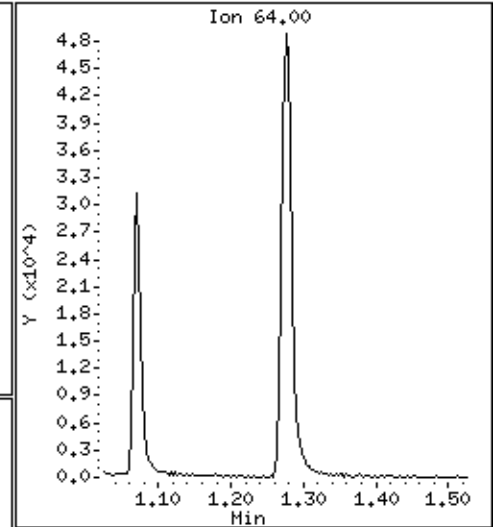
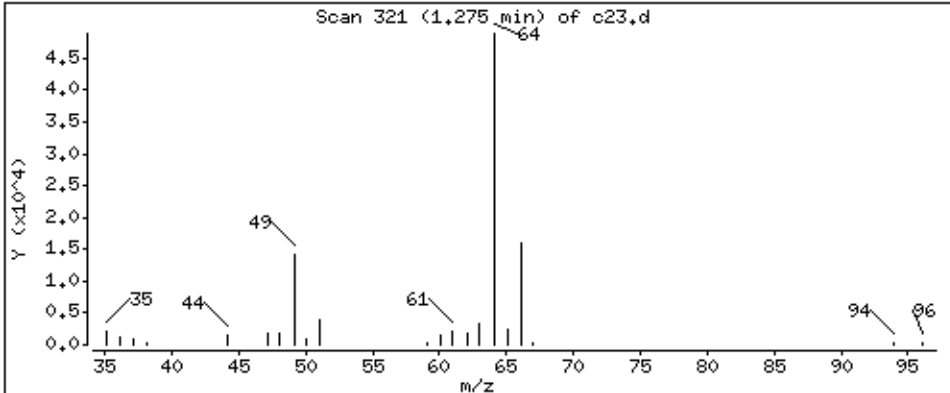
Operator: amv

Column phase: DB-624

Column diameter: 0,18

5 Chloroethane

Concentration: 52.6 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

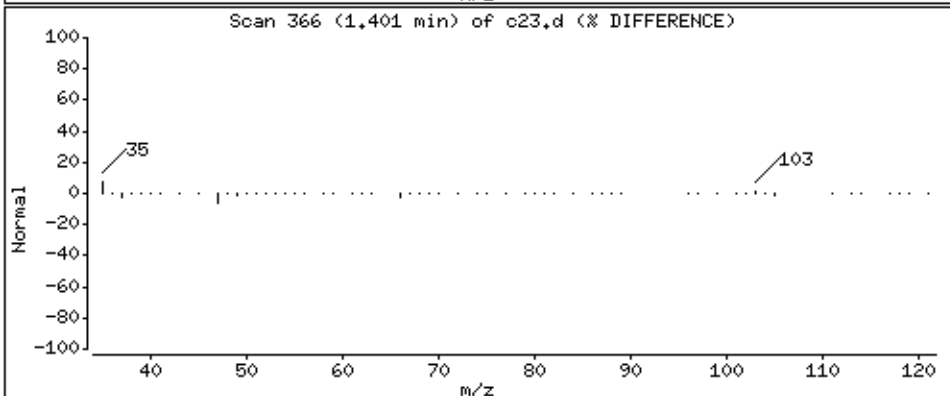
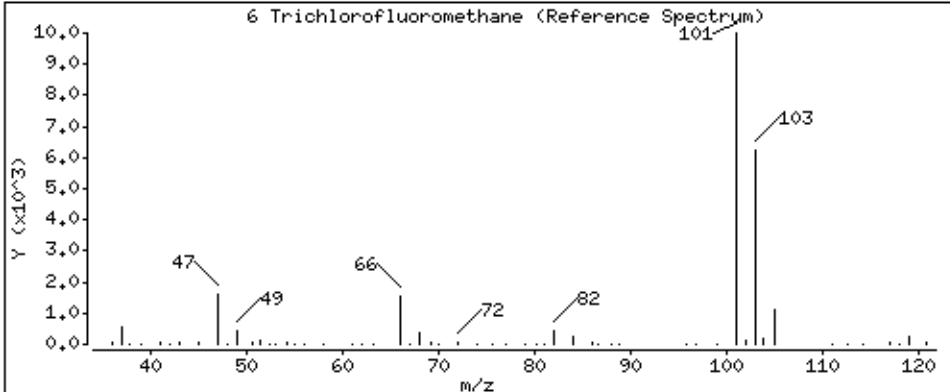
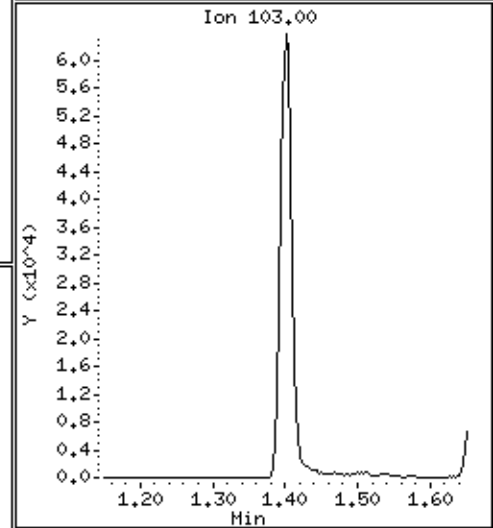
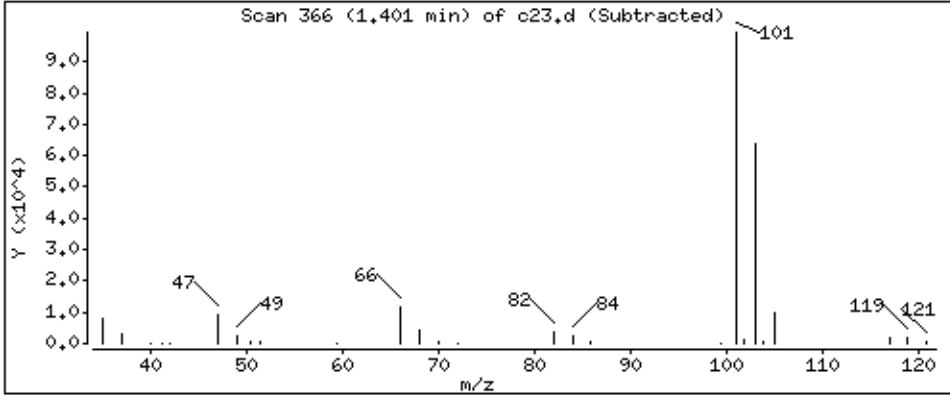
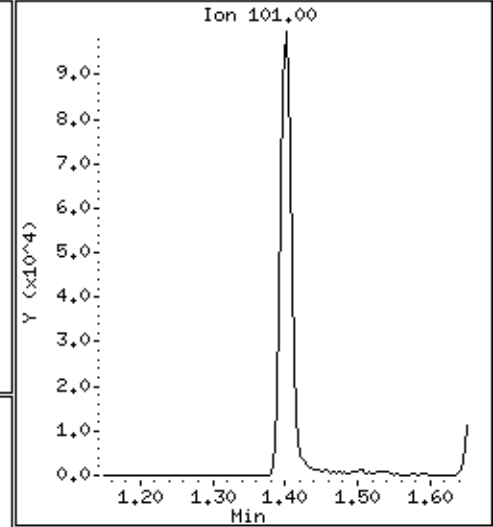
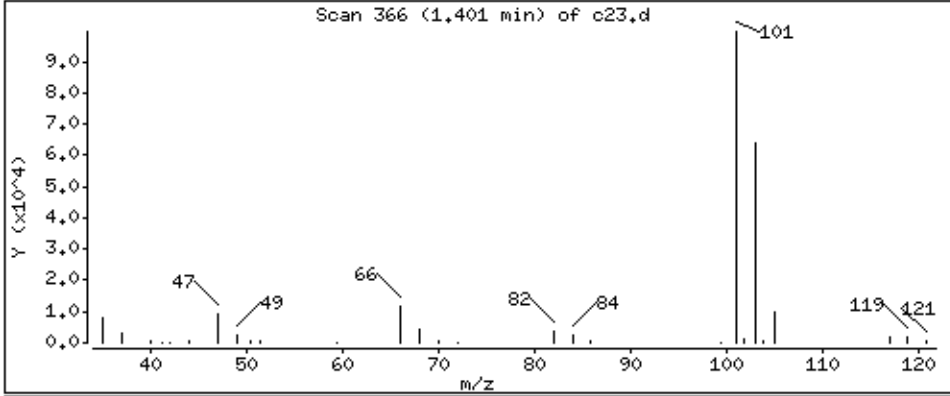
Operator: amv

Column phase: DB-624

Column diameter: 0,18

6 Trichlorofluoromethane

Concentration: 50,2 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

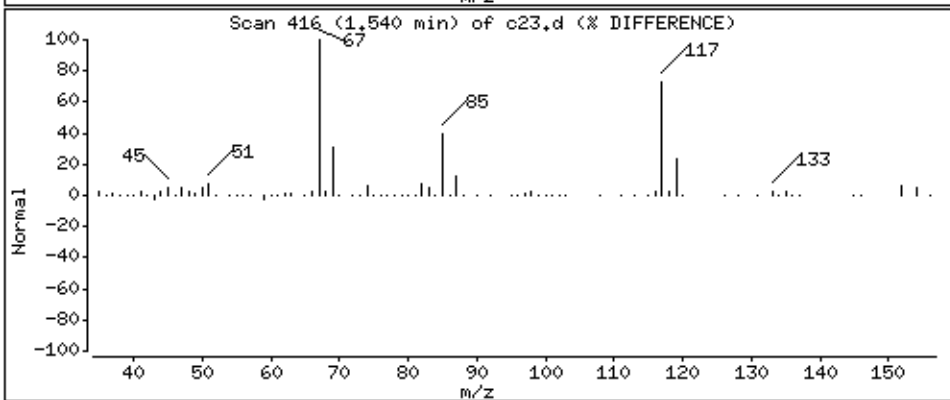
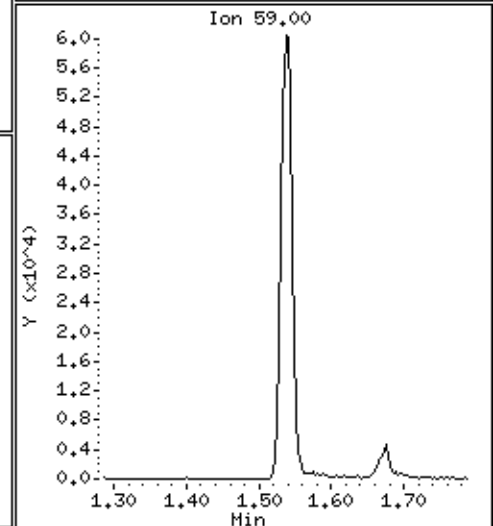
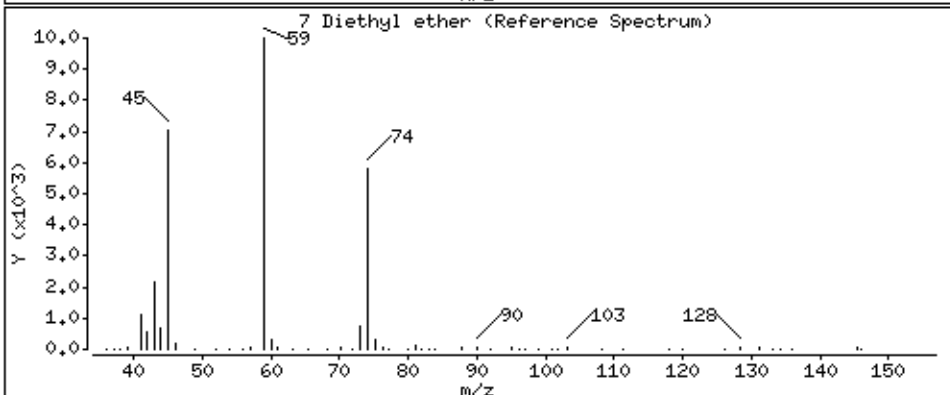
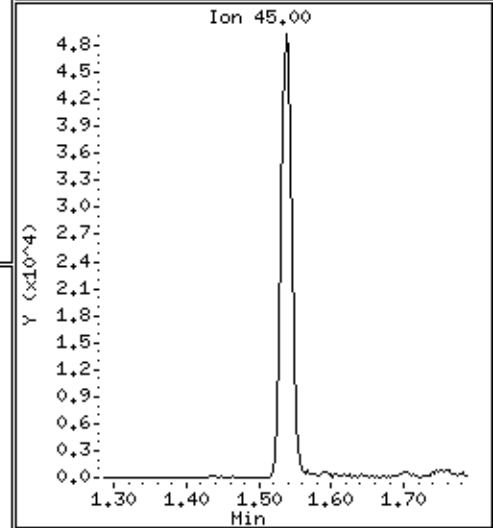
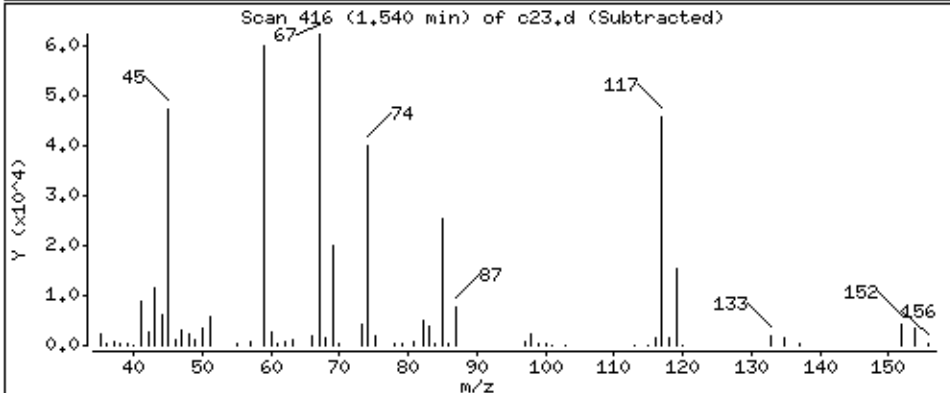
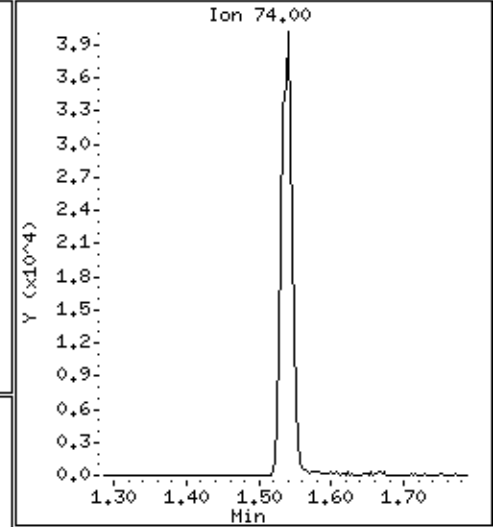
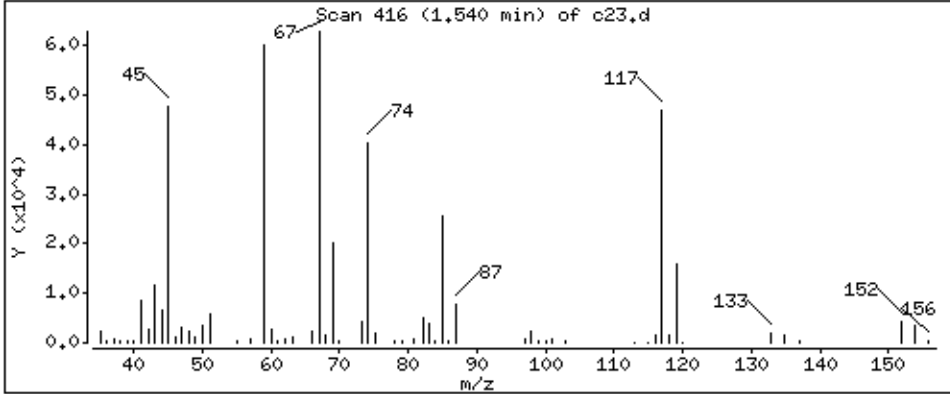
Operator: amv

Column phase: DB-624

Column diameter: 0,18

7 Diethyl ether

Concentration: 45,6 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

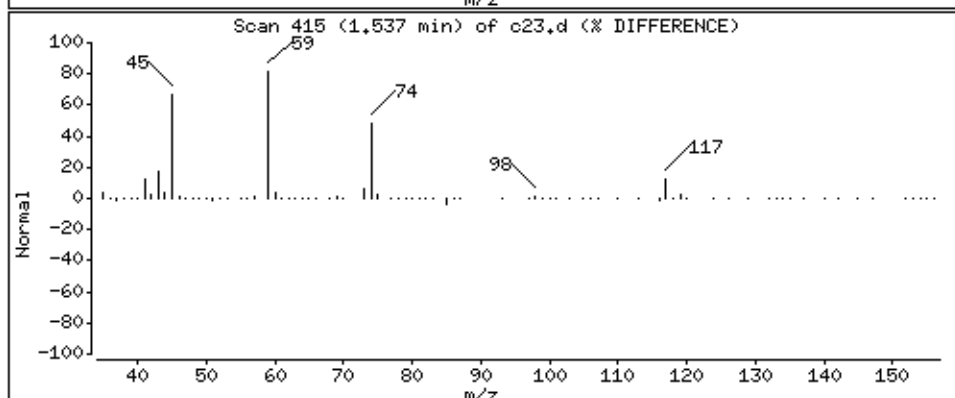
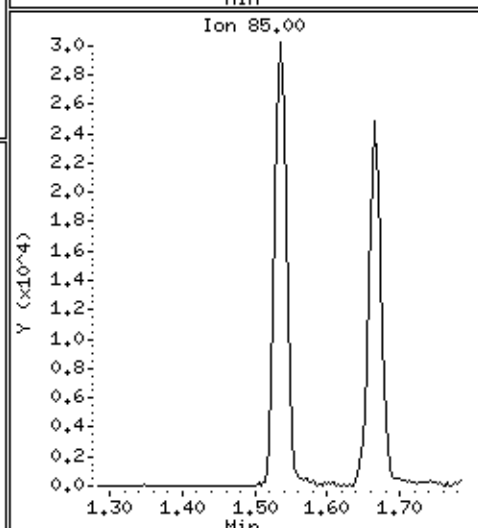
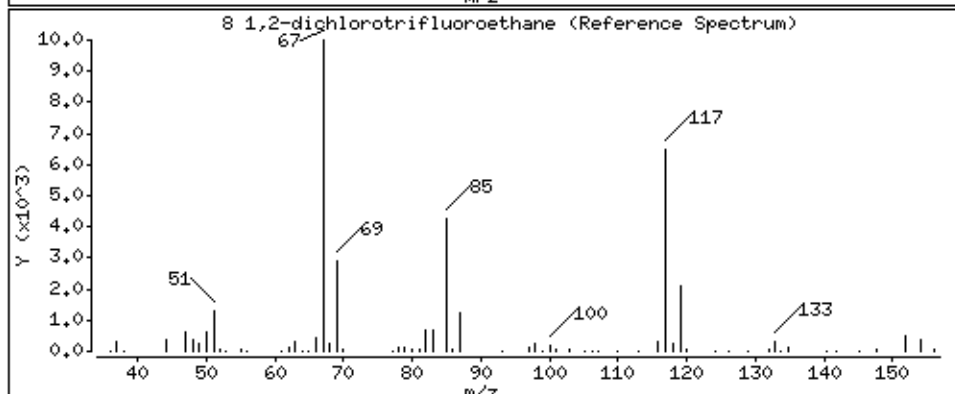
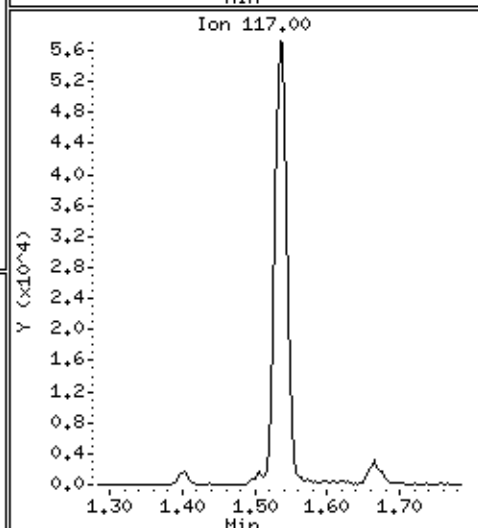
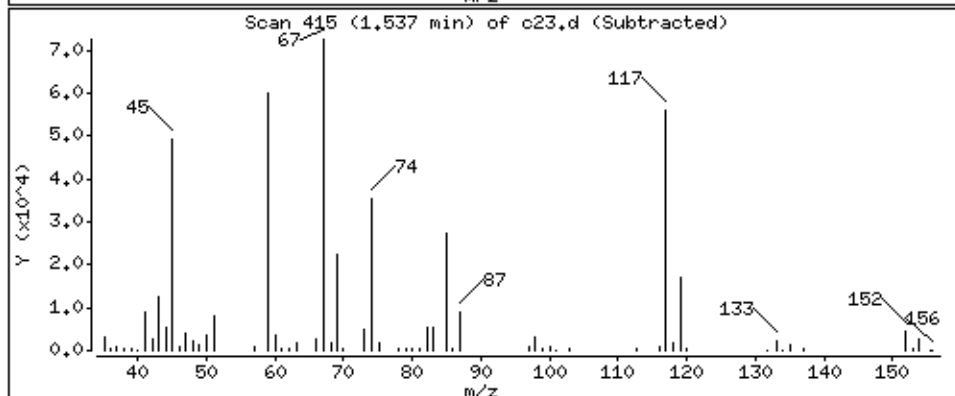
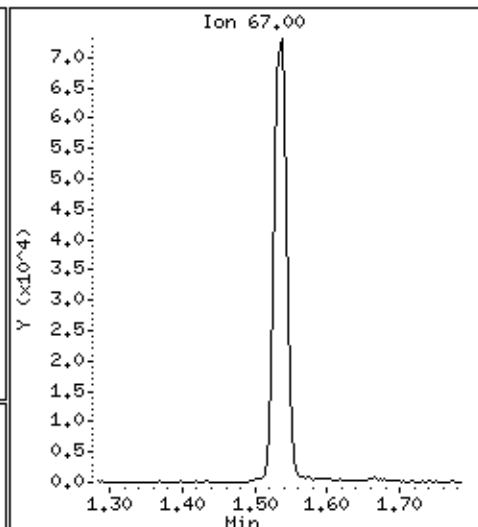
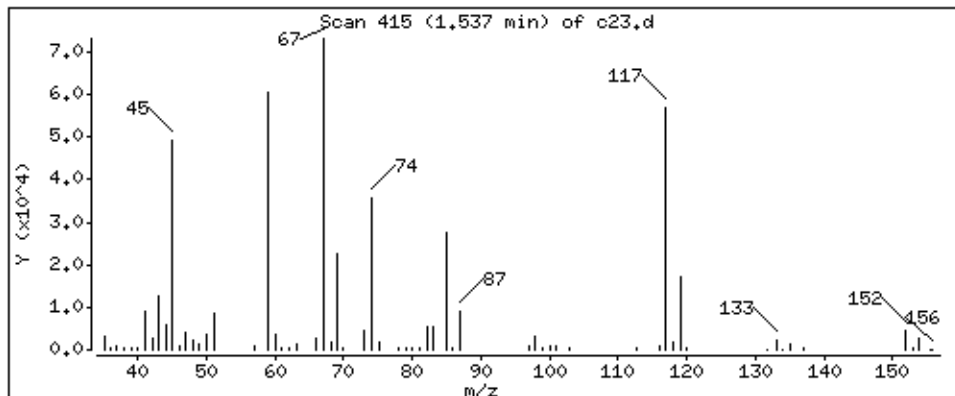
Operator: amv

Column phase: DB-624

Column diameter: 0,18

8 1,2-dichlorotrifluoroethane

Concentration: 58,0 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

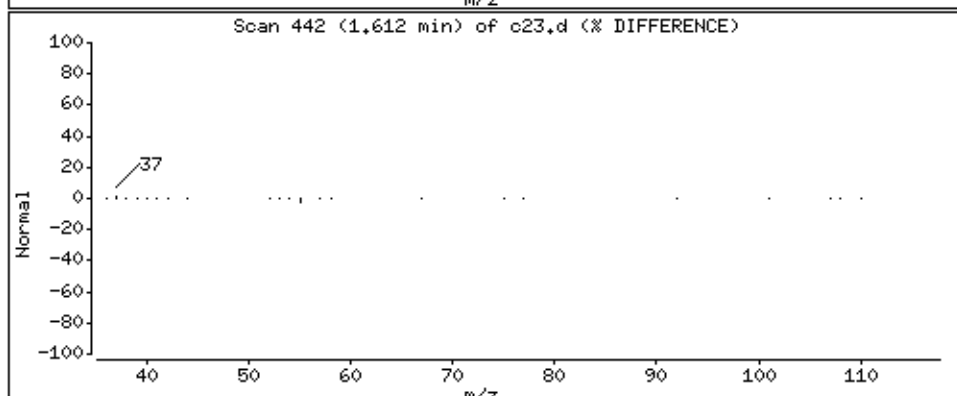
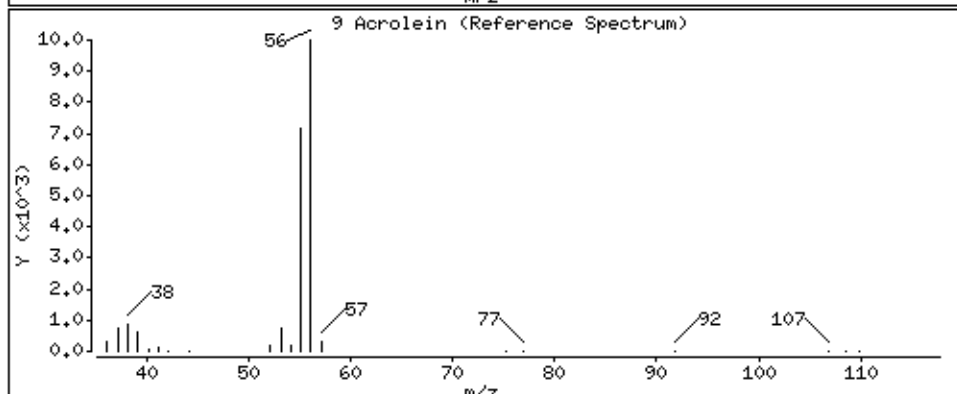
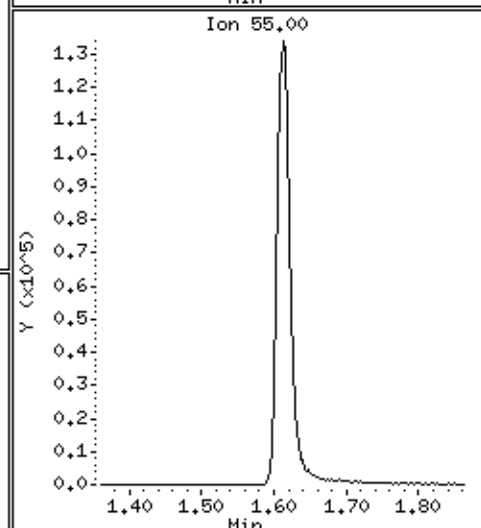
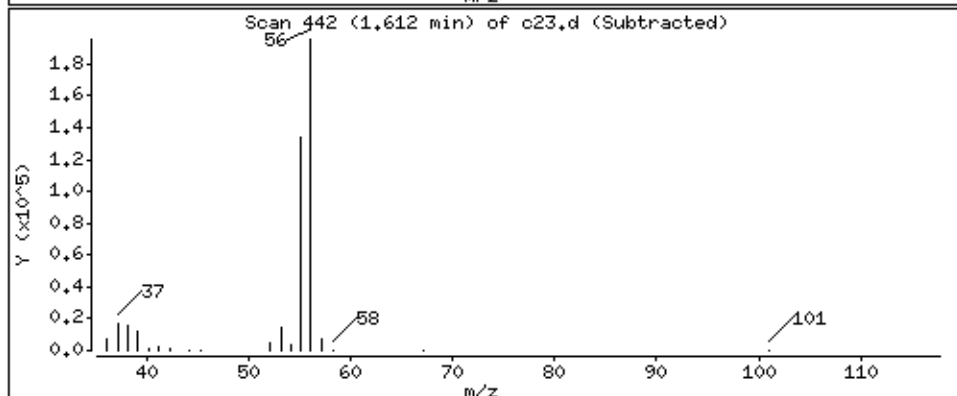
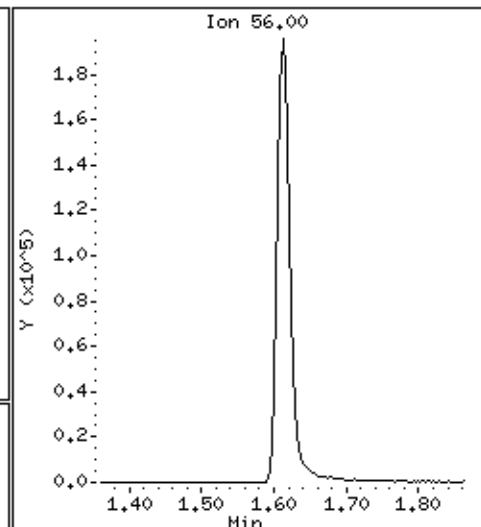
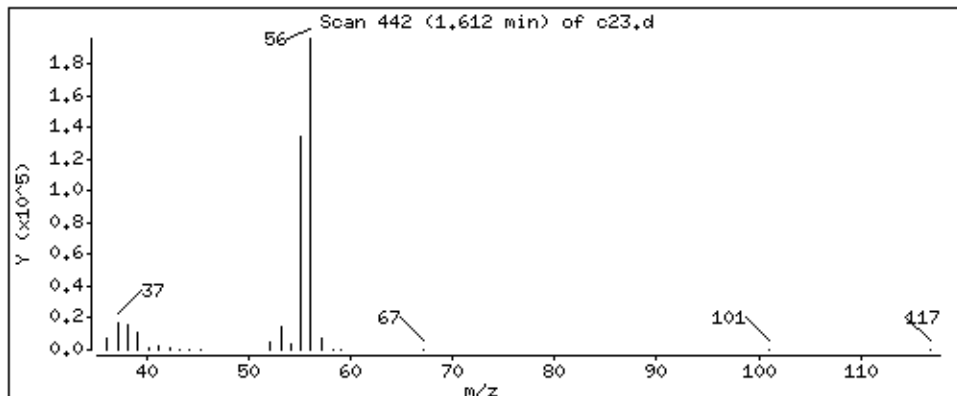
Operator: amv

Column phase: DB-624

Column diameter: 0,18

9 Acrolein

Concentration: 729 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

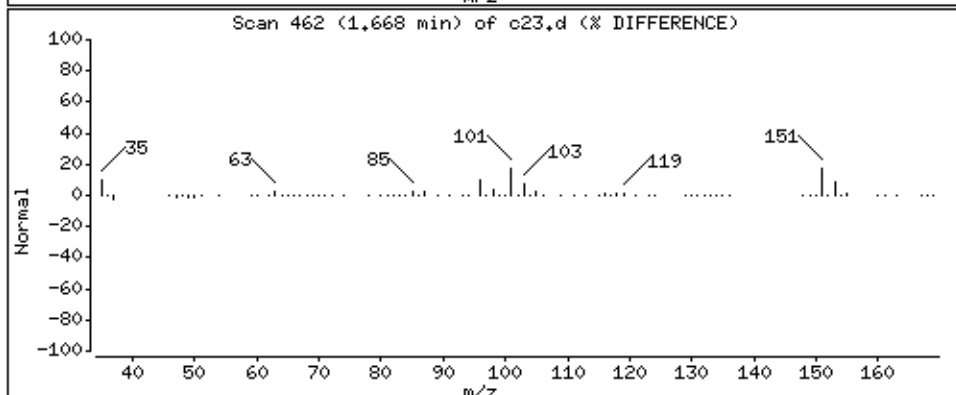
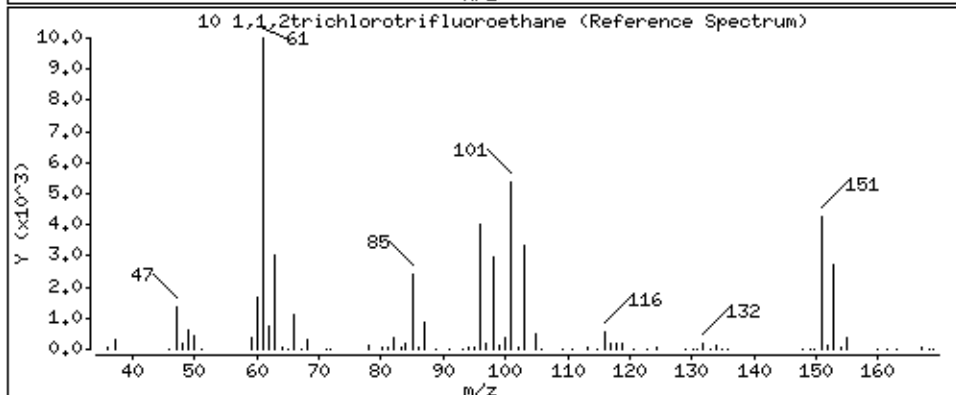
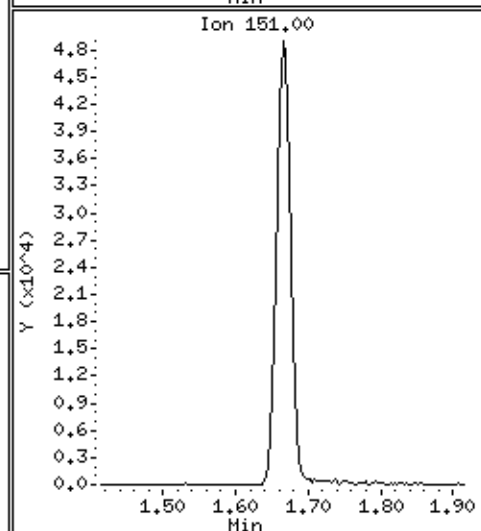
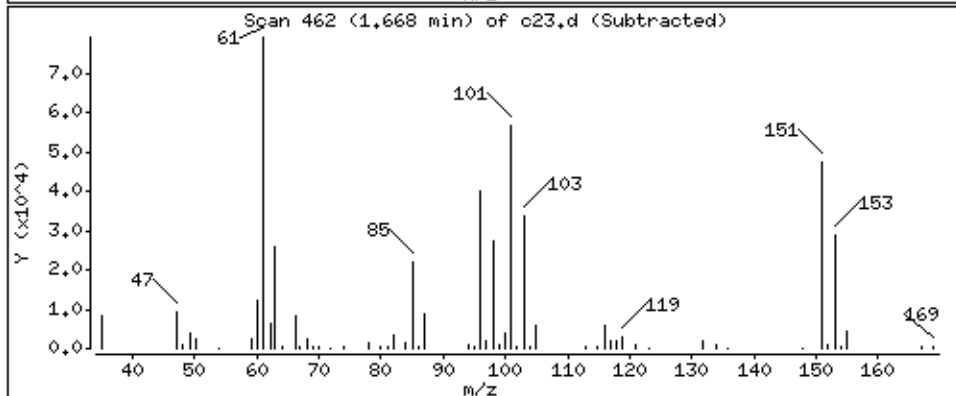
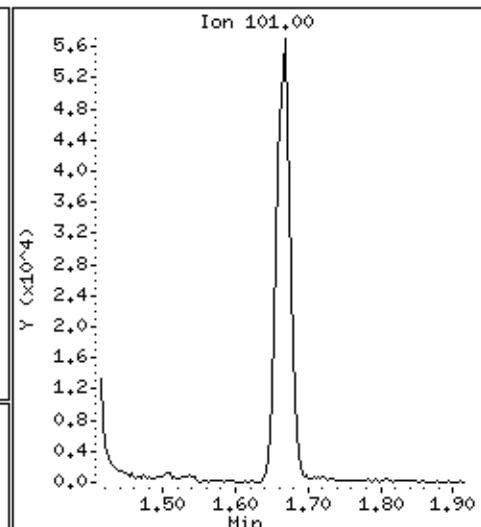
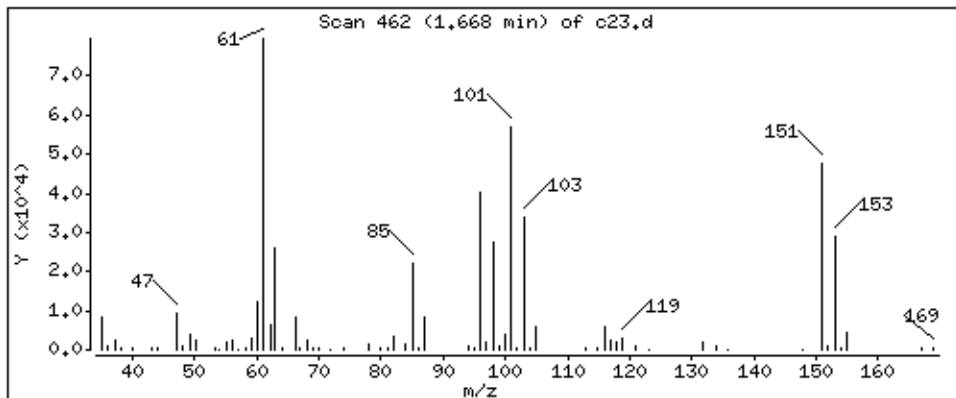
Operator: amv

Column phase: DB-624

Column diameter: 0,18

10 1,1,2trichlorotrifluoroethane

Concentration: 53,7 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

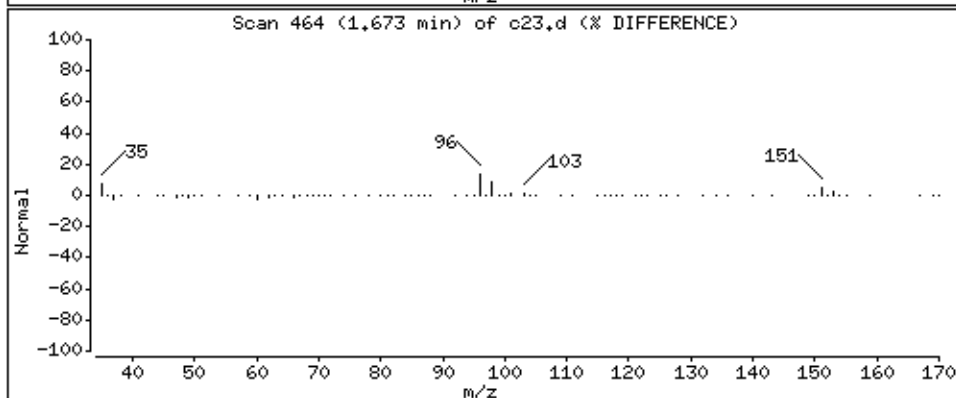
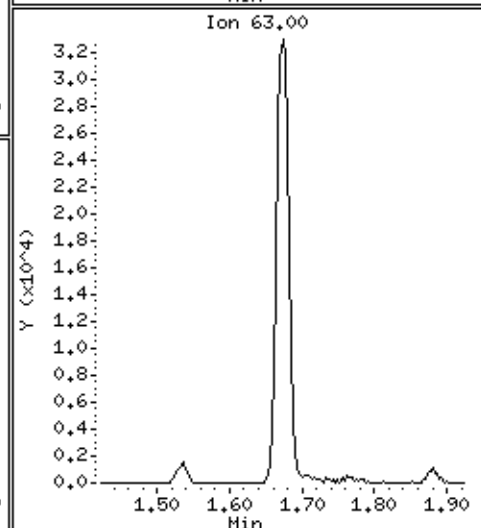
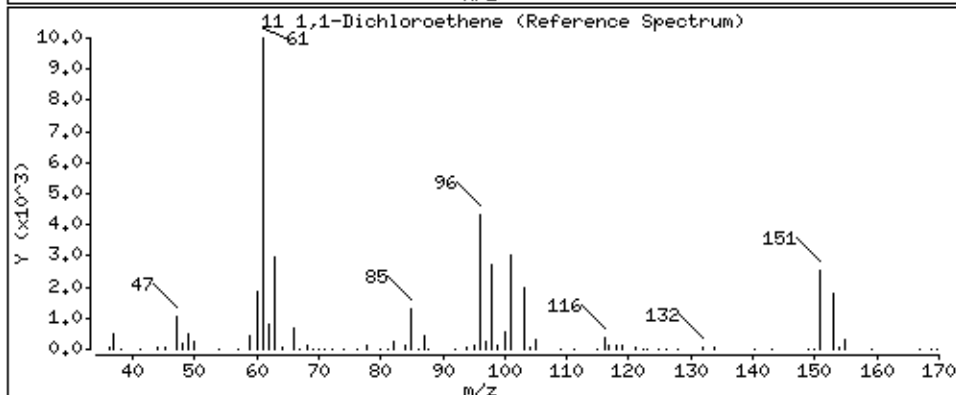
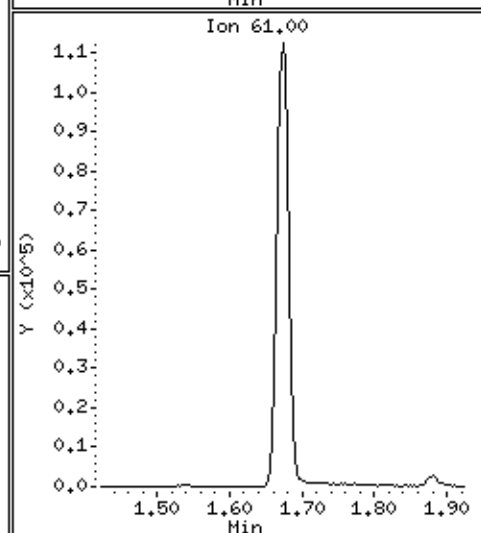
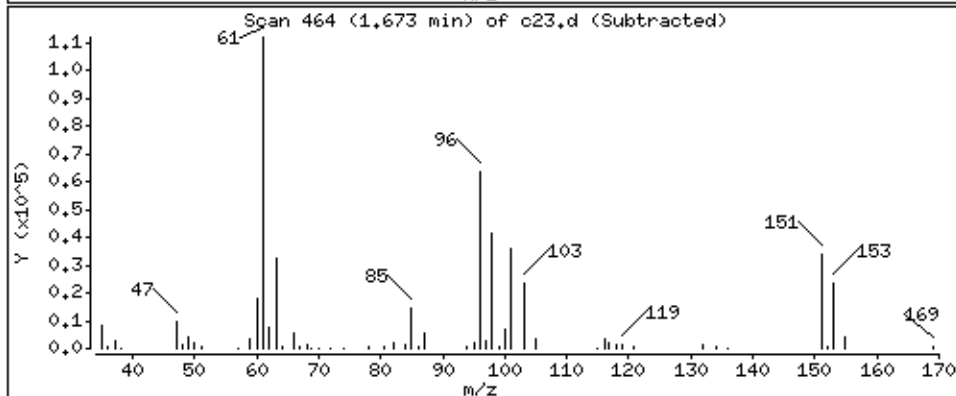
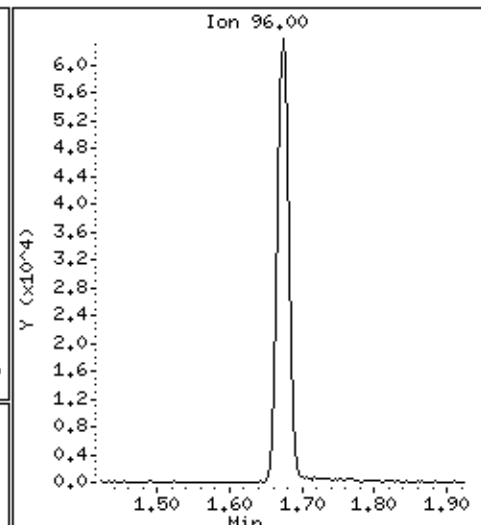
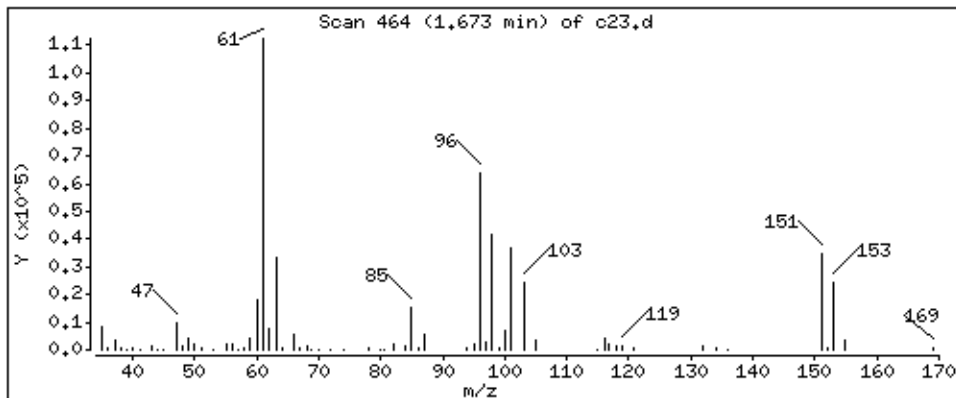
Operator: amv

Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 50,4 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

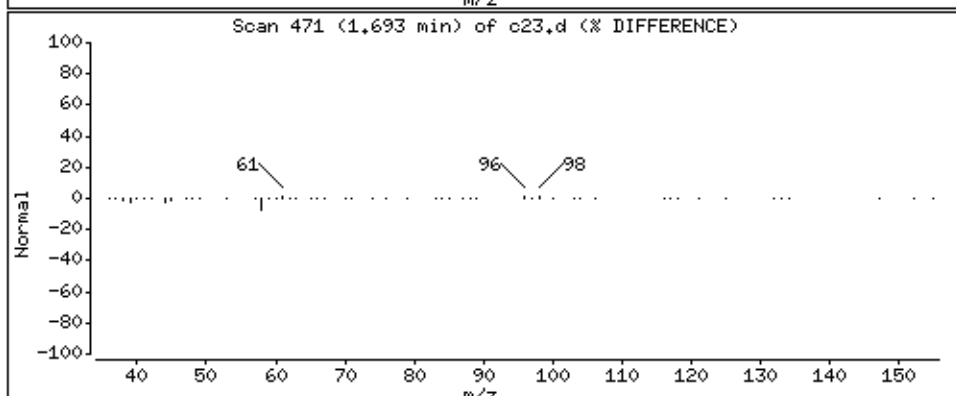
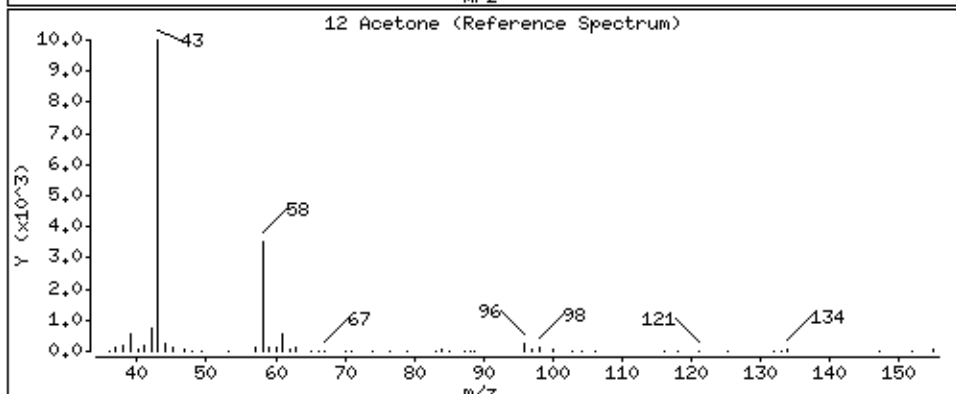
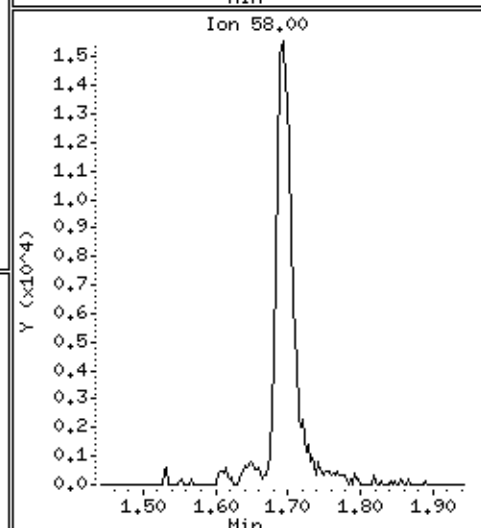
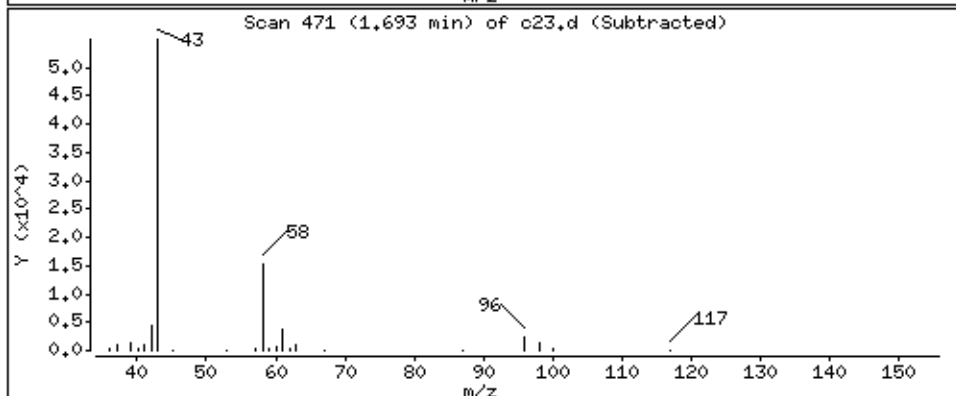
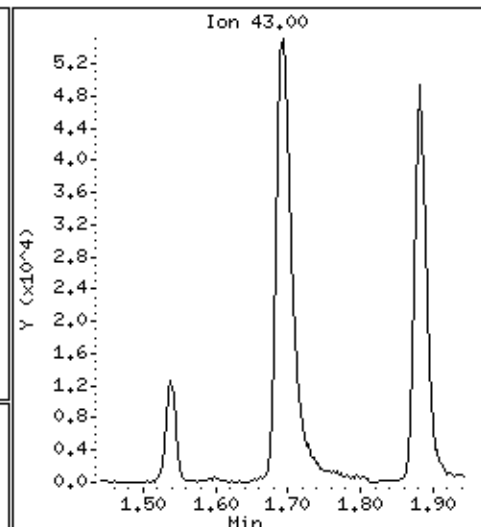
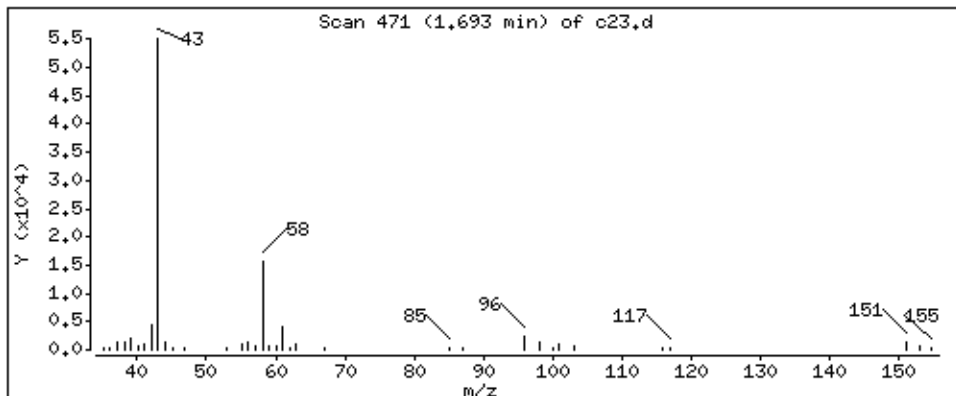
Operator: amv

Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 230 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

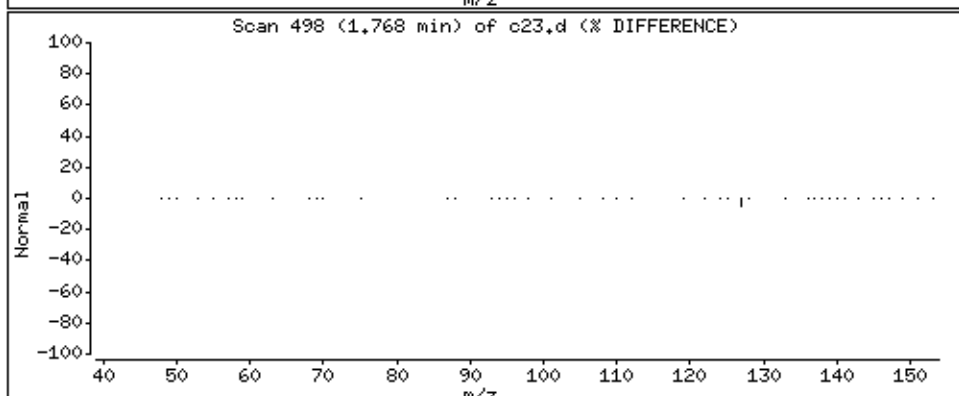
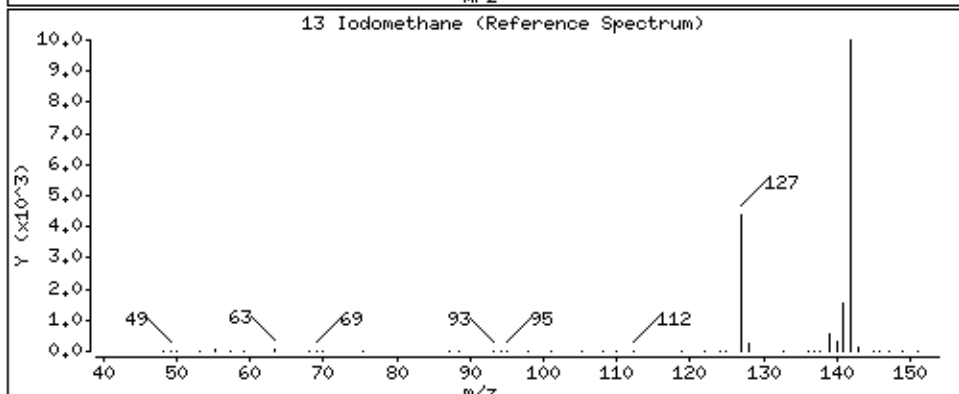
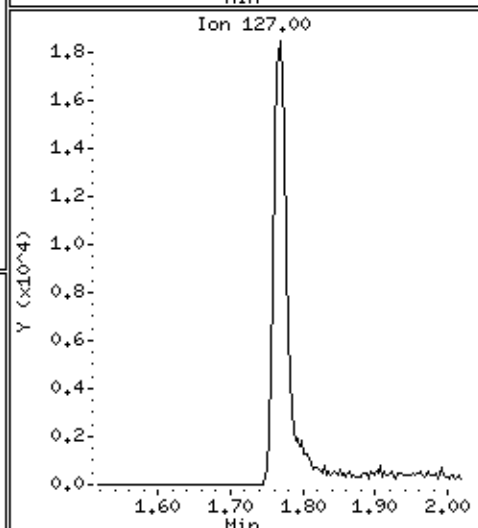
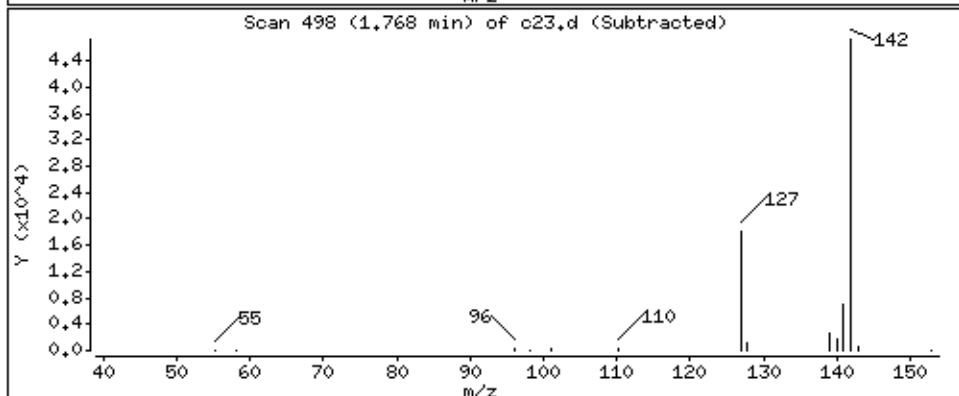
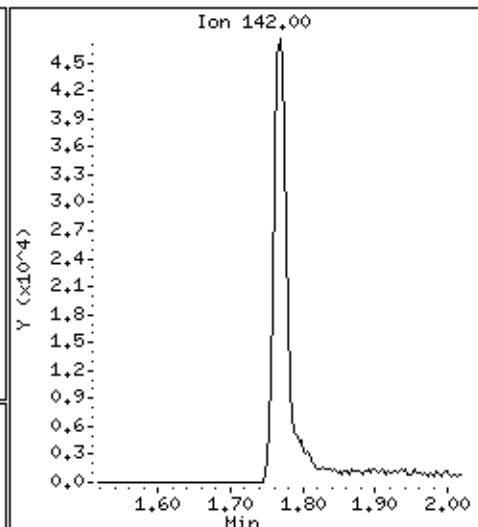
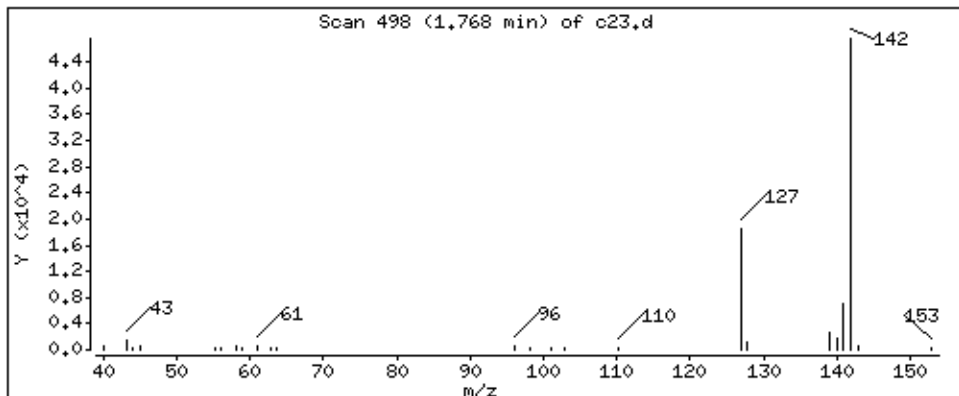
Operator: amv

Column phase: DB-624

Column diameter: 0,18

13 Iodomethane

Concentration: 43.3 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

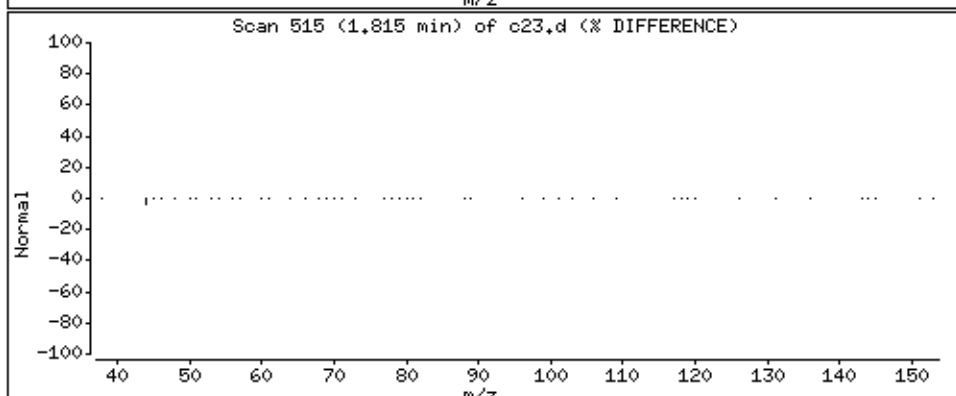
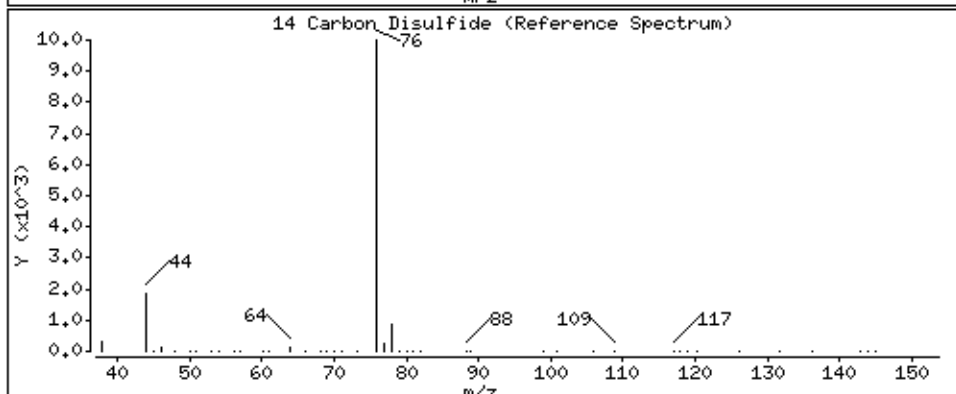
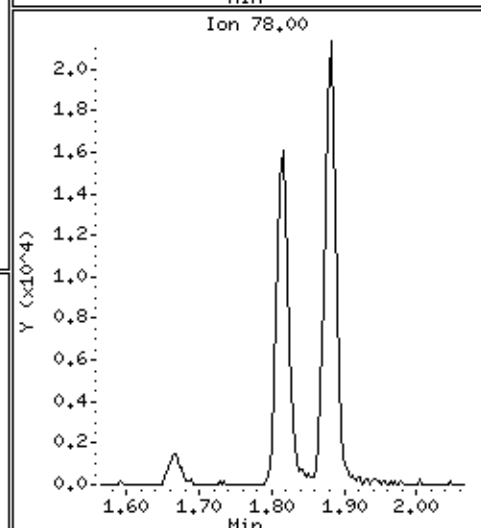
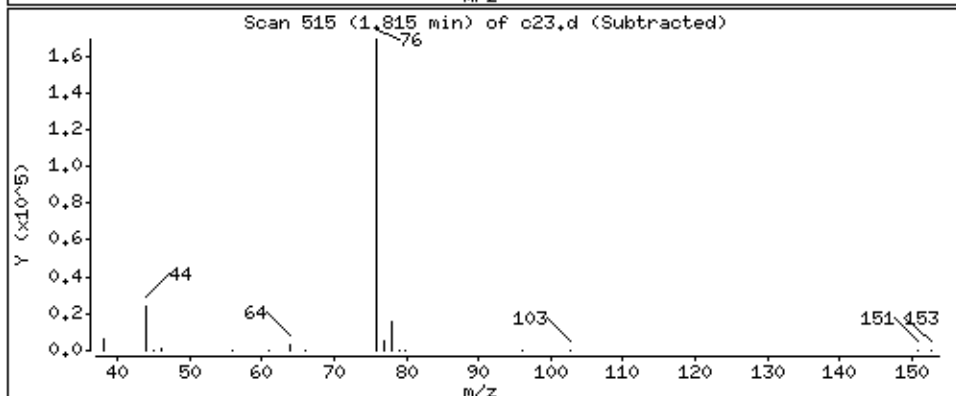
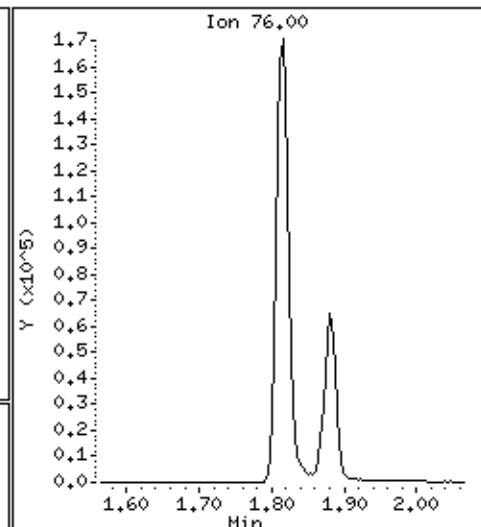
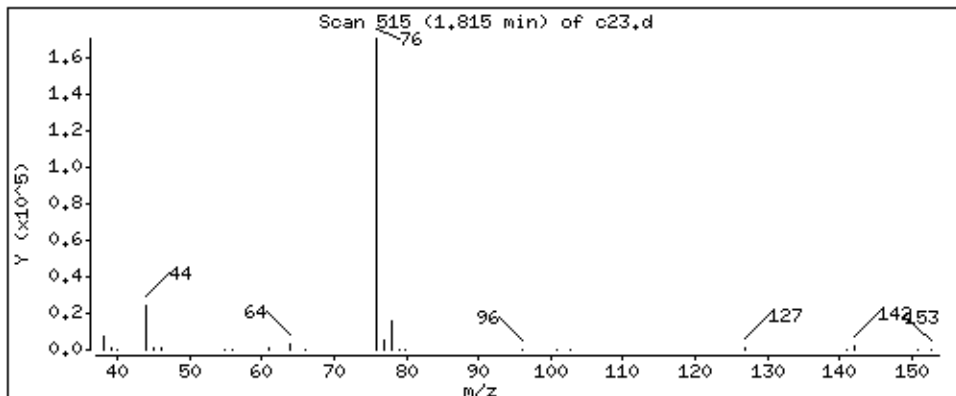
Operator: amv

Column phase: DB-624

Column diameter: 0.18

14 Carbon Disulfide

Concentration: 48.8 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

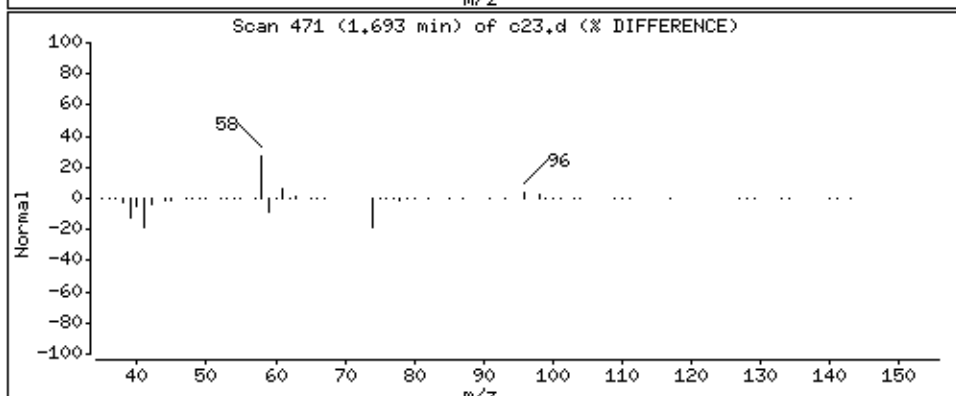
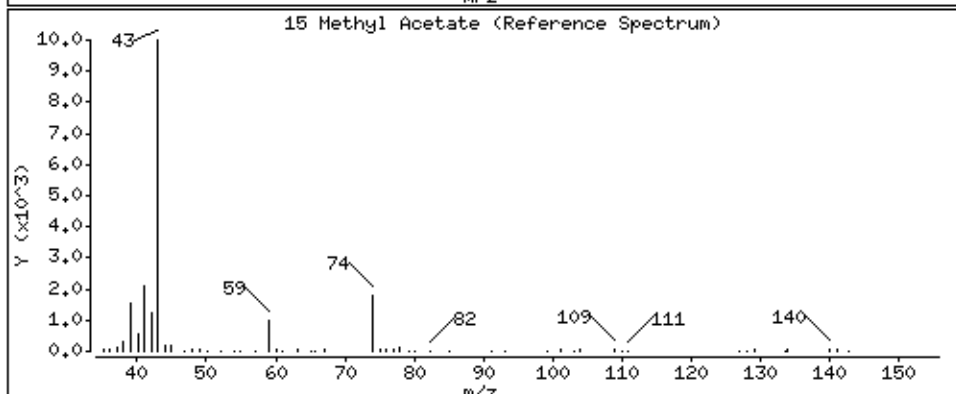
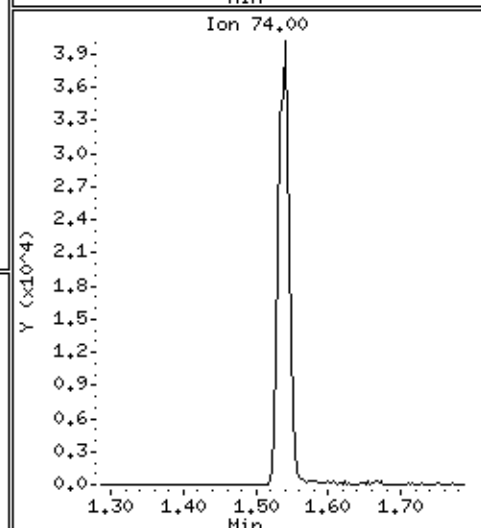
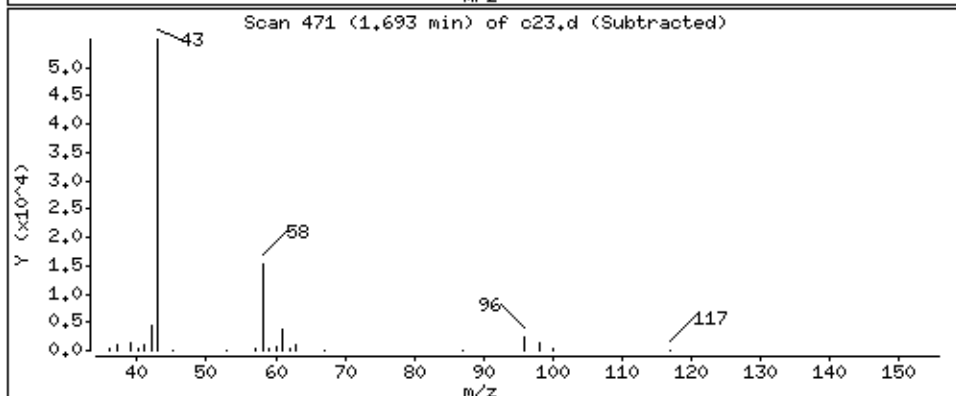
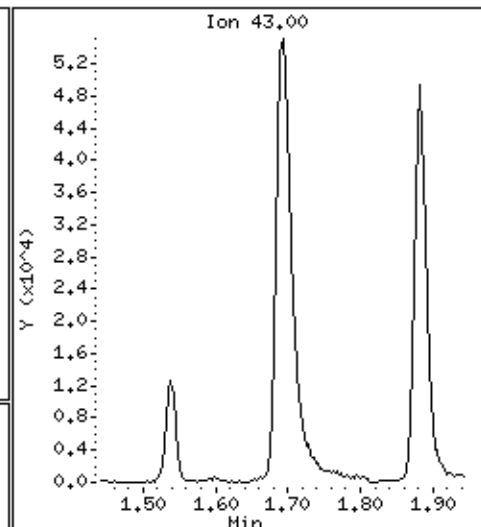
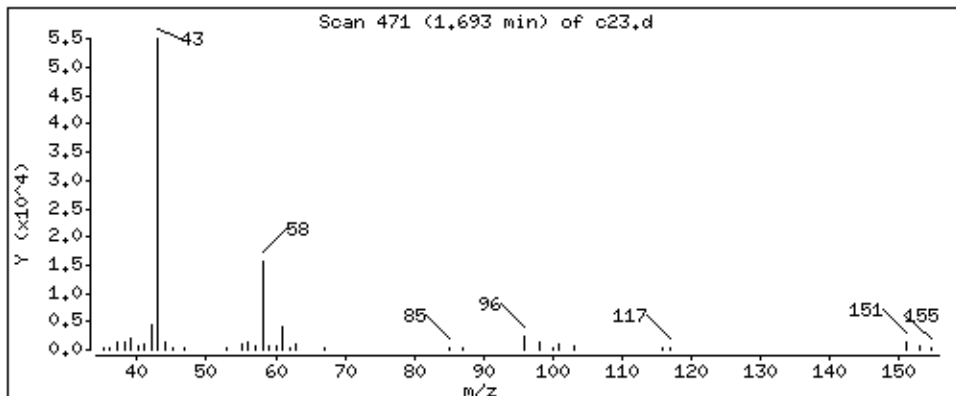
Operator: amv

Column phase: DB-624

Column diameter: 0,18

15 Methyl Acetate

Concentration: 45,6 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

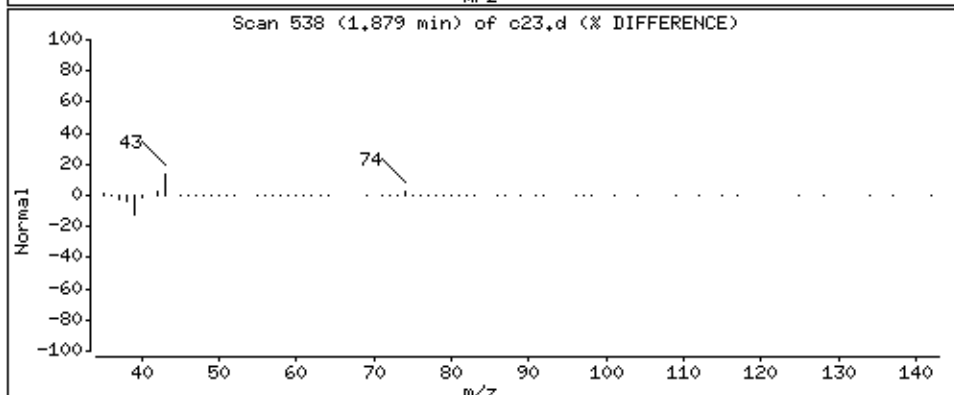
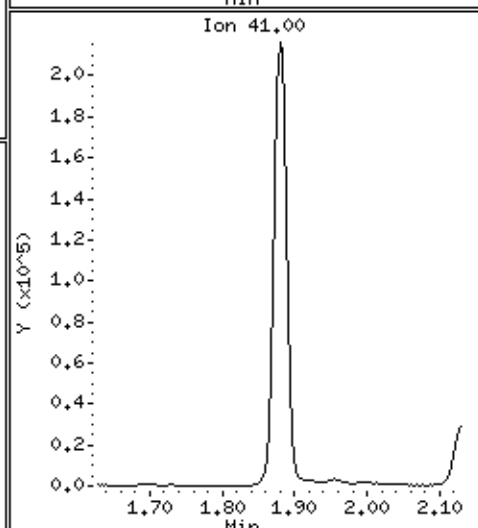
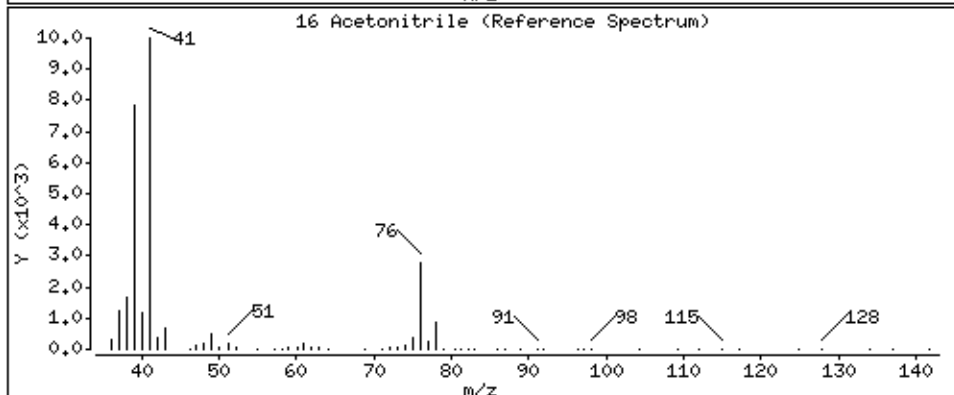
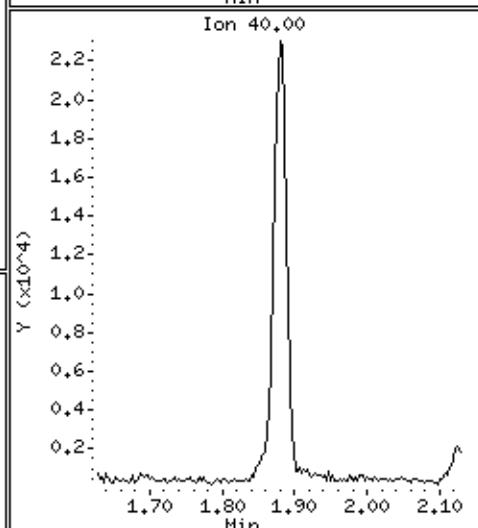
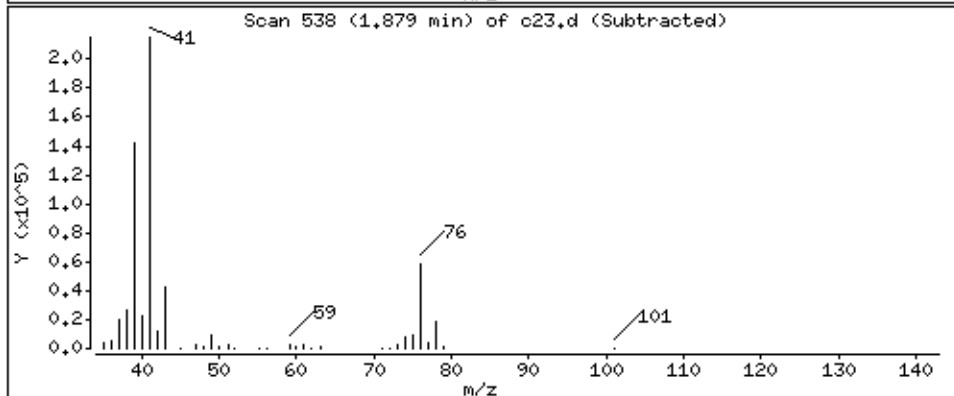
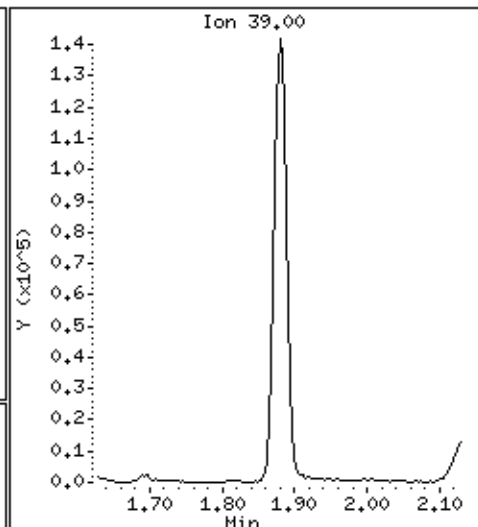
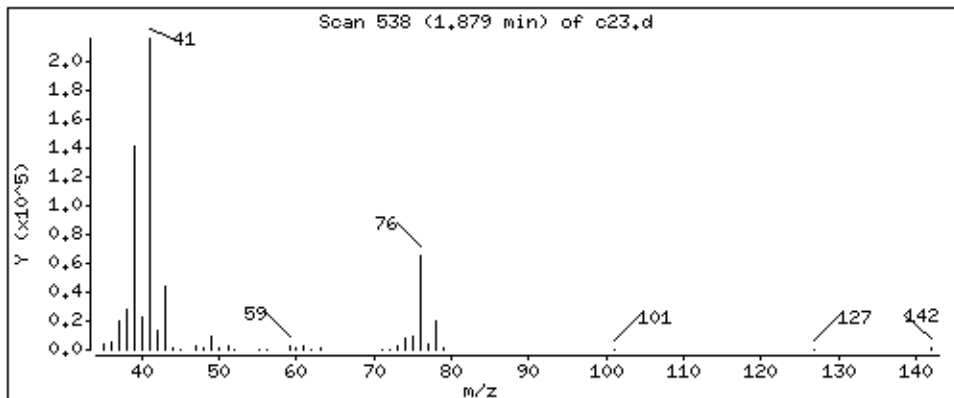
Operator: amv

Column phase: DB-624

Column diameter: 0,18

16 Acetonitrile

Concentration: 38,9 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

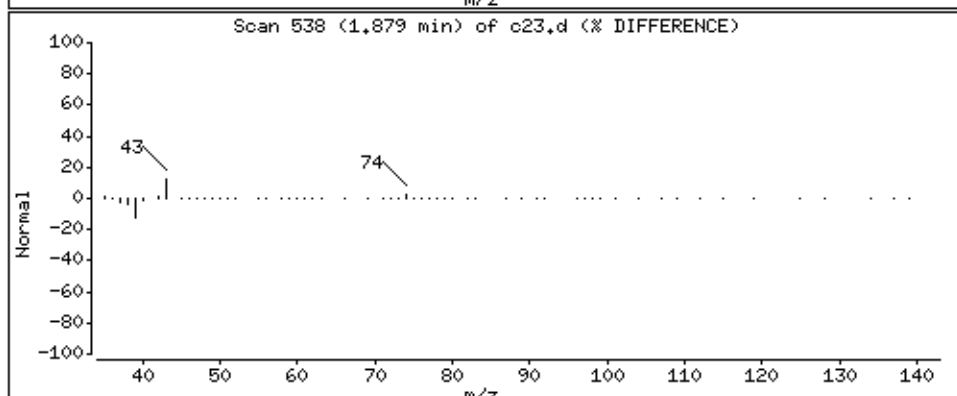
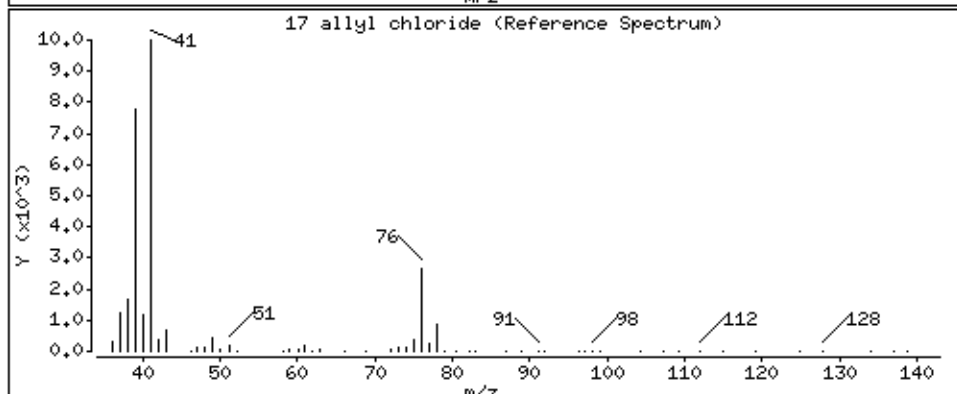
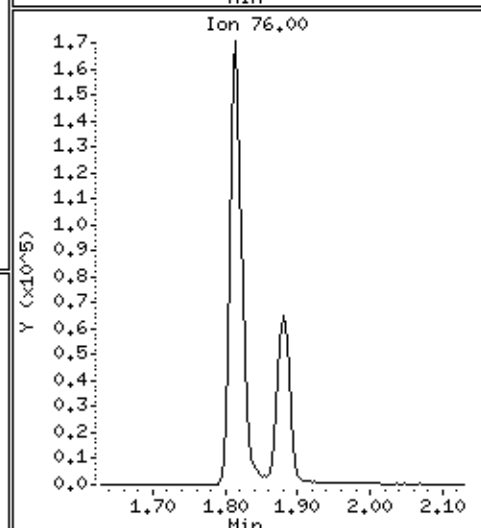
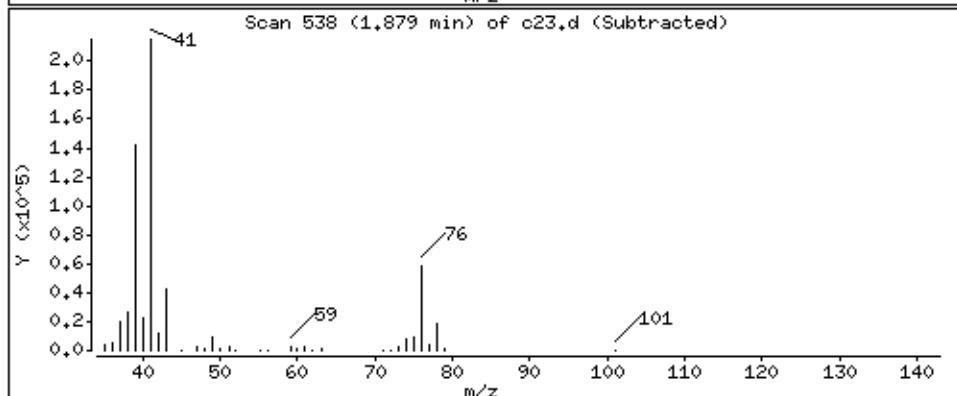
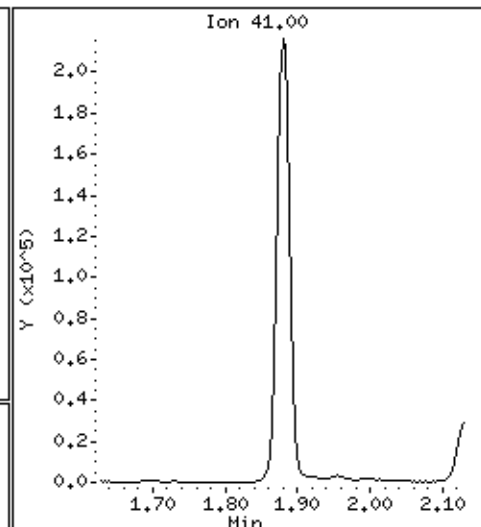
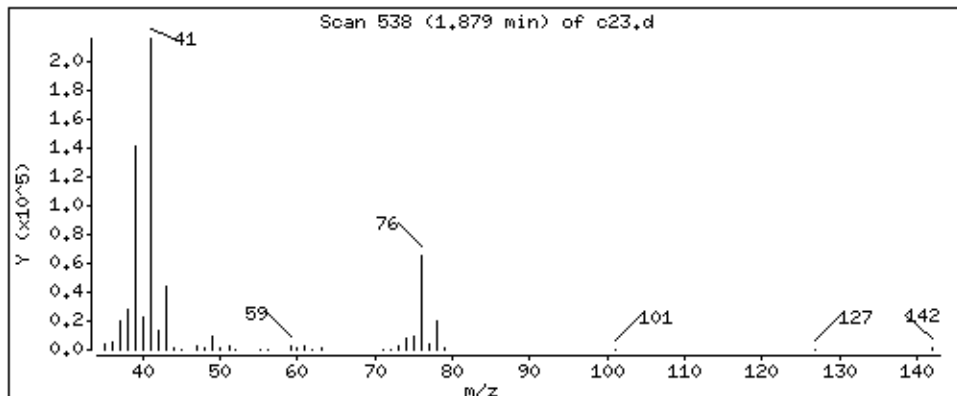
Operator: amv

Column phase: DB-624

Column diameter: 0,18

17 allyl chloride

Concentration: 91.0 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

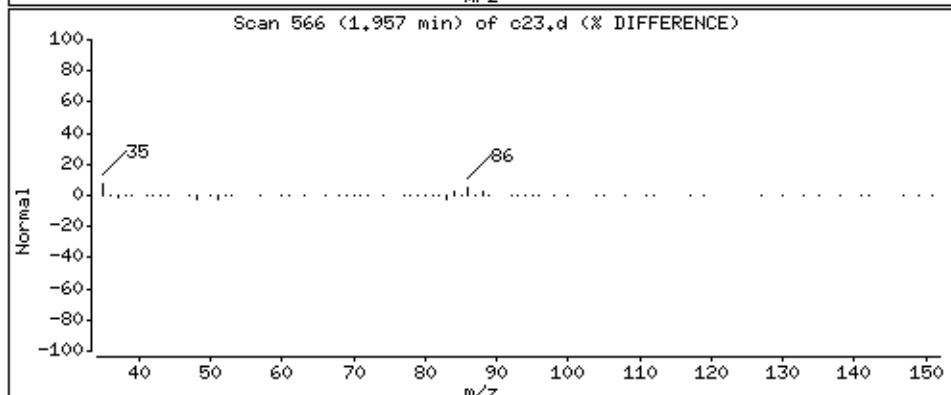
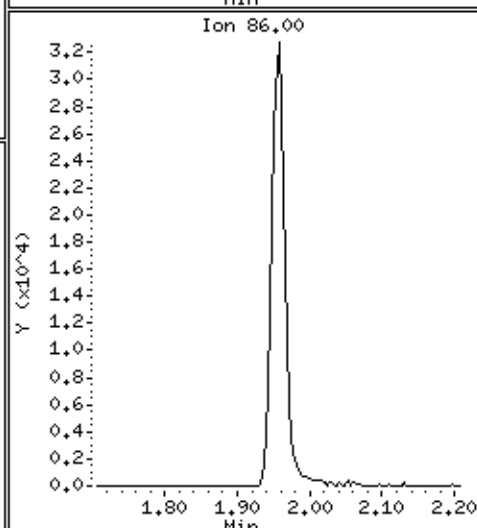
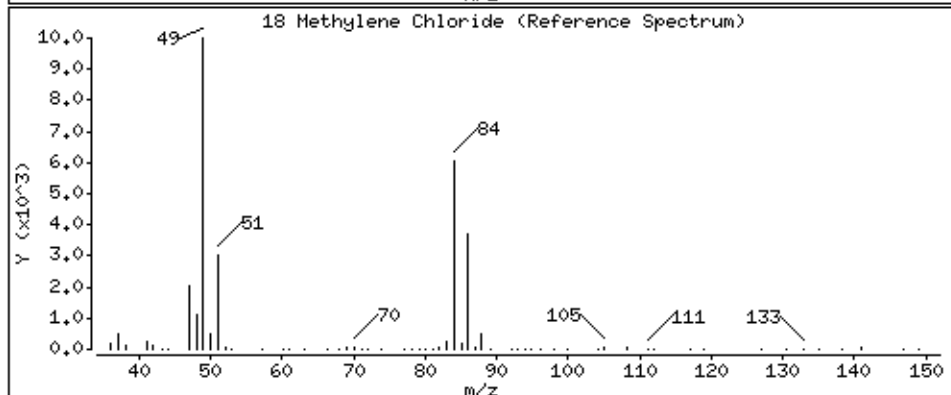
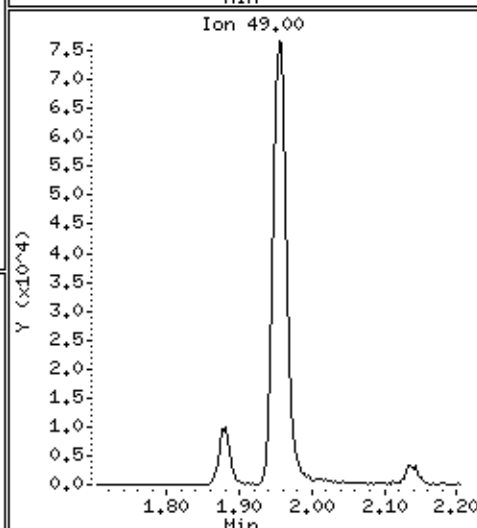
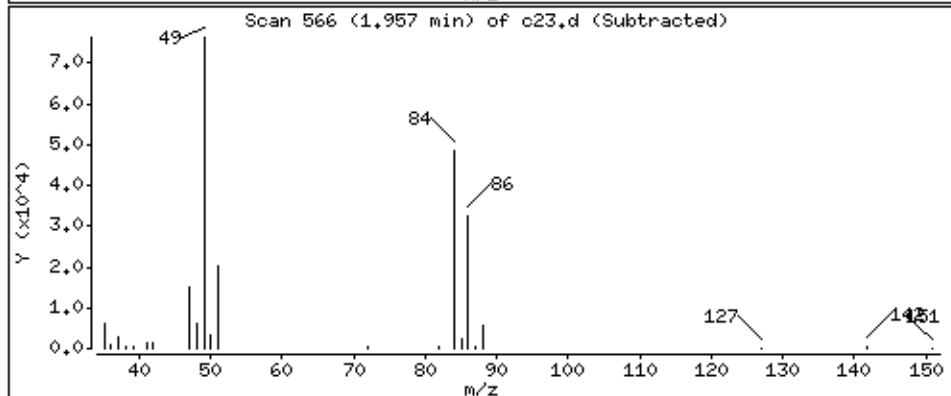
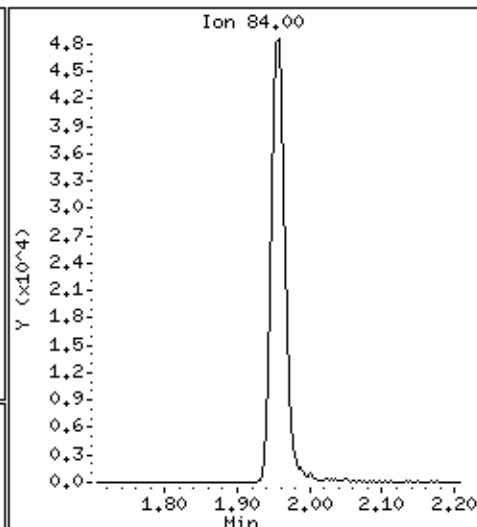
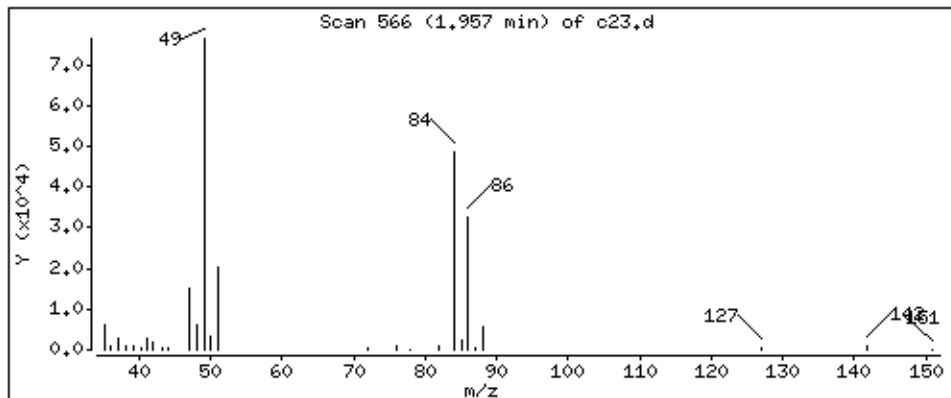
Operator: amv

Column phase: DB-624

Column diameter: 0,18

18 Methylene Chloride

Concentration: 48,6 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

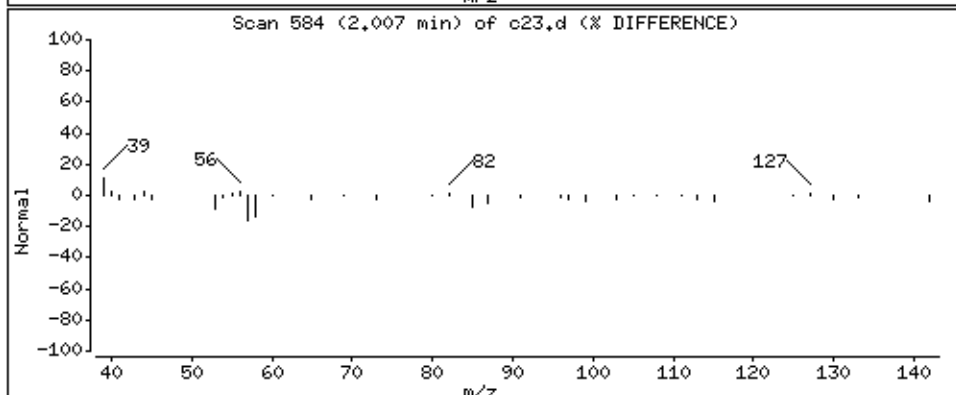
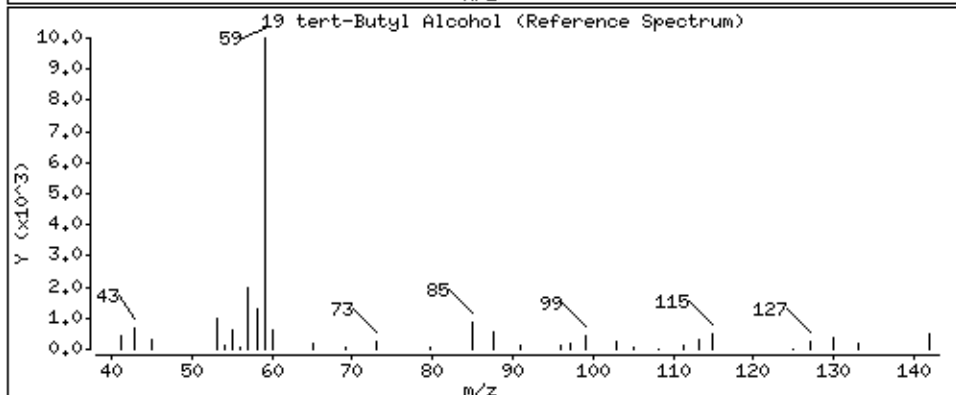
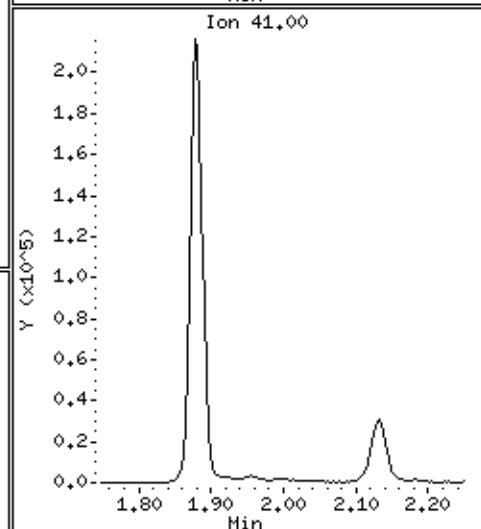
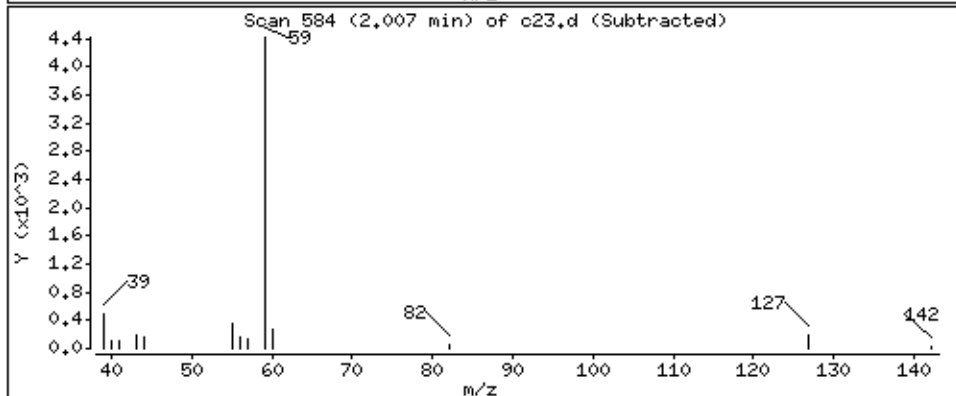
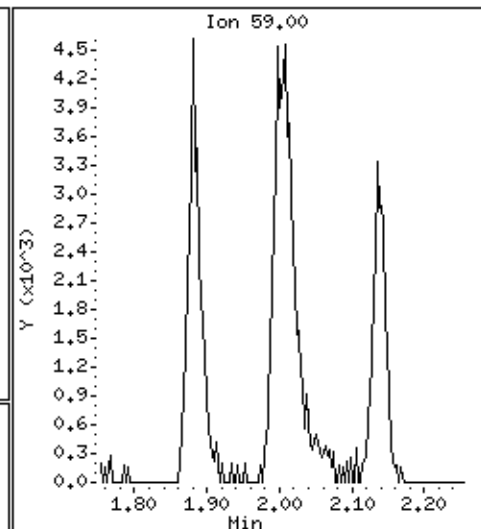
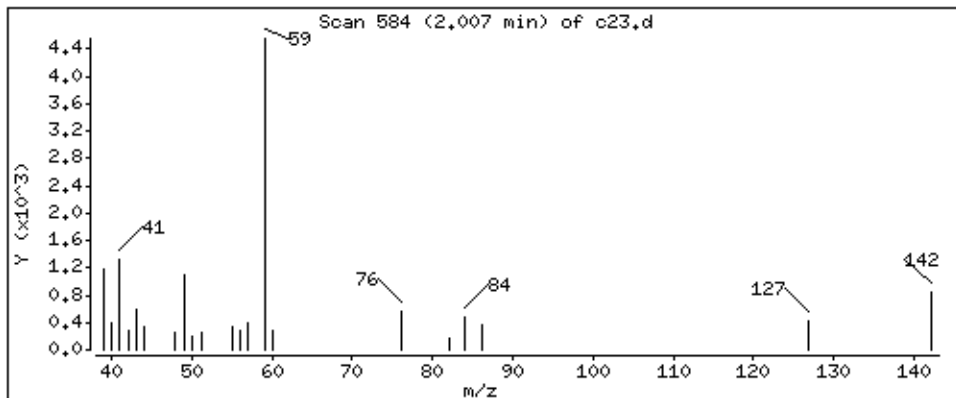
Operator: amv

Column phase: DB-624

Column diameter: 0,18

19 tert-Butyl Alcohol

Concentration: 77.9 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

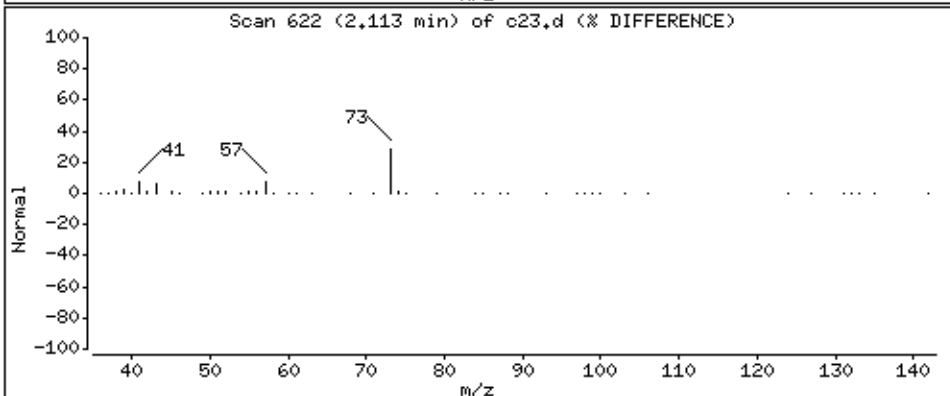
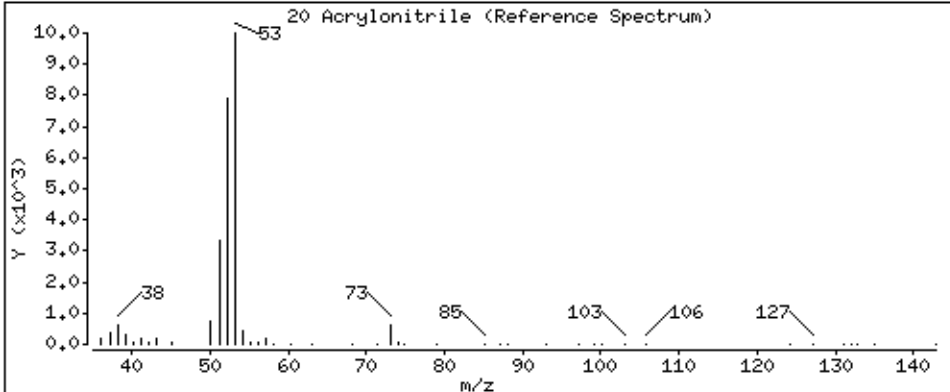
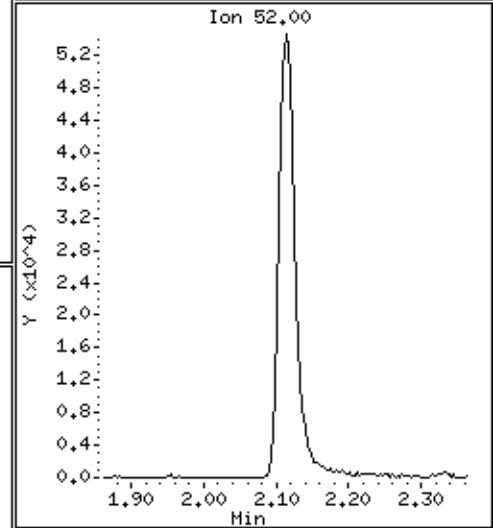
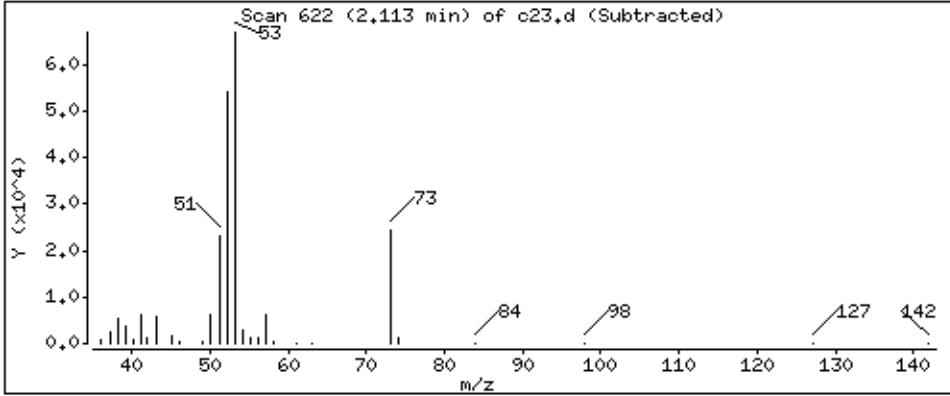
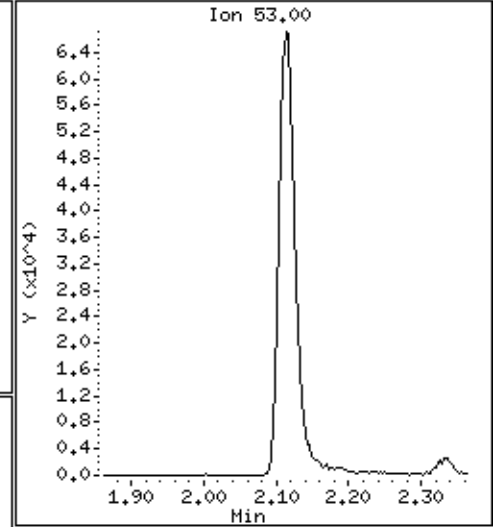
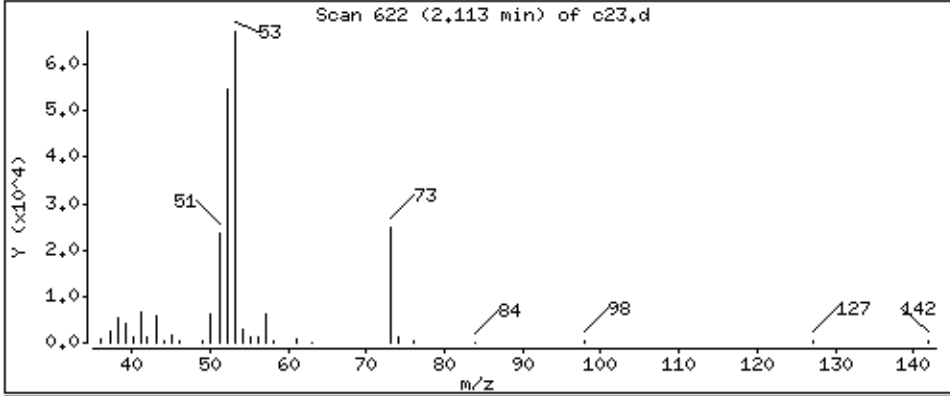
Operator: amv

Column phase: DB-624

Column diameter: 0,18

20 Acrylonitrile

Concentration: 175 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

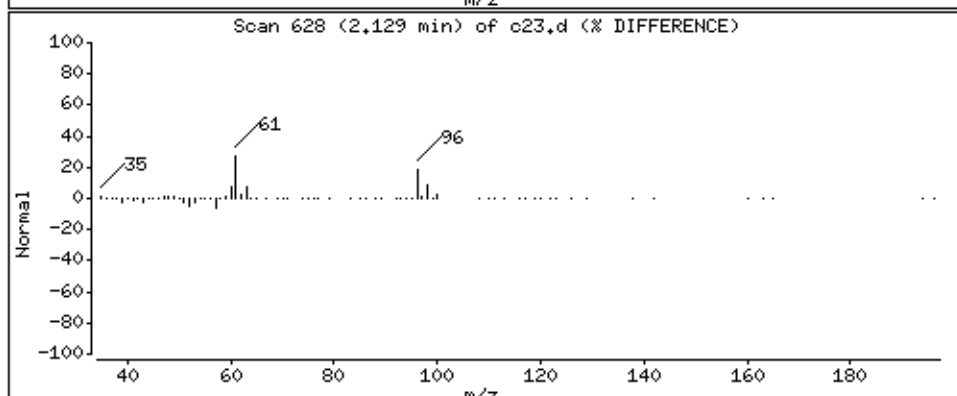
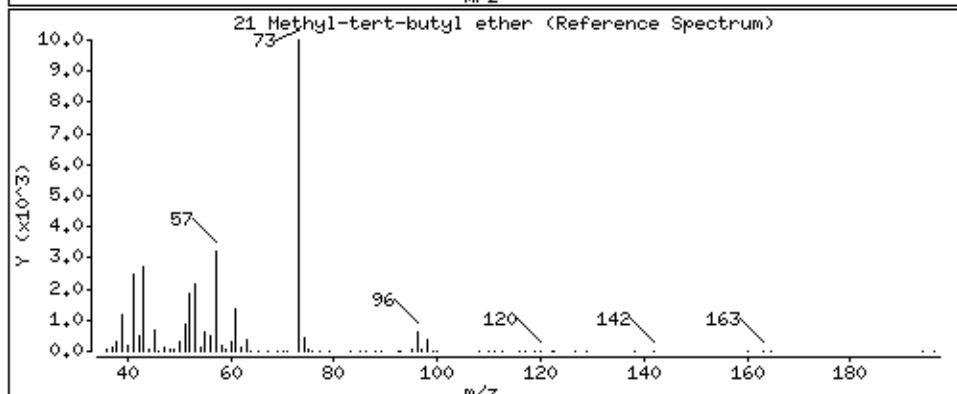
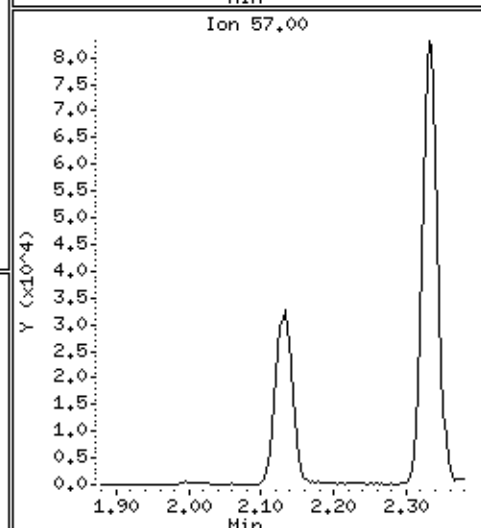
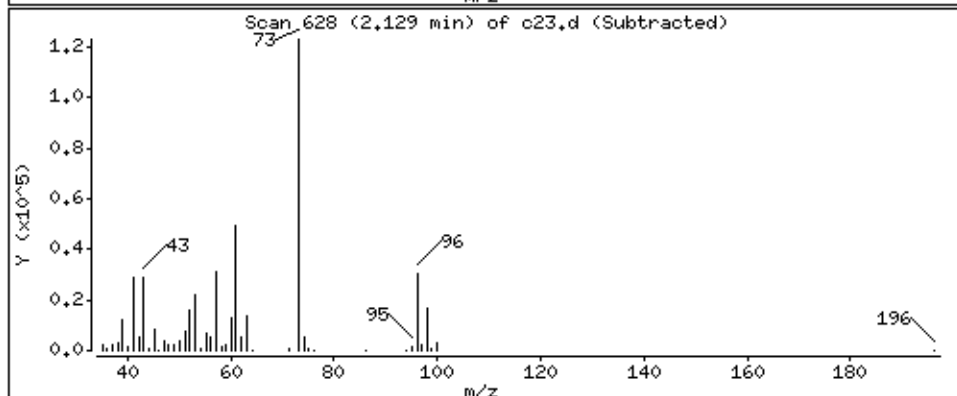
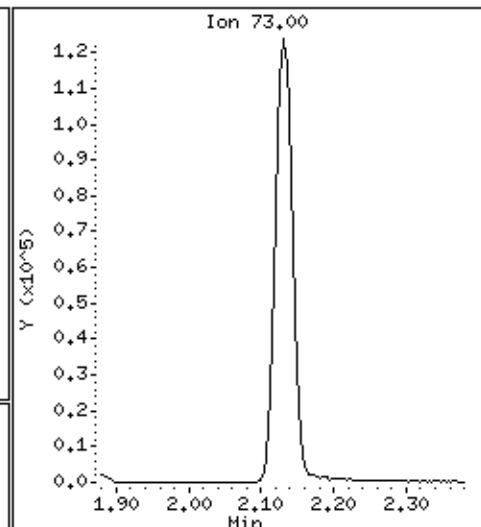
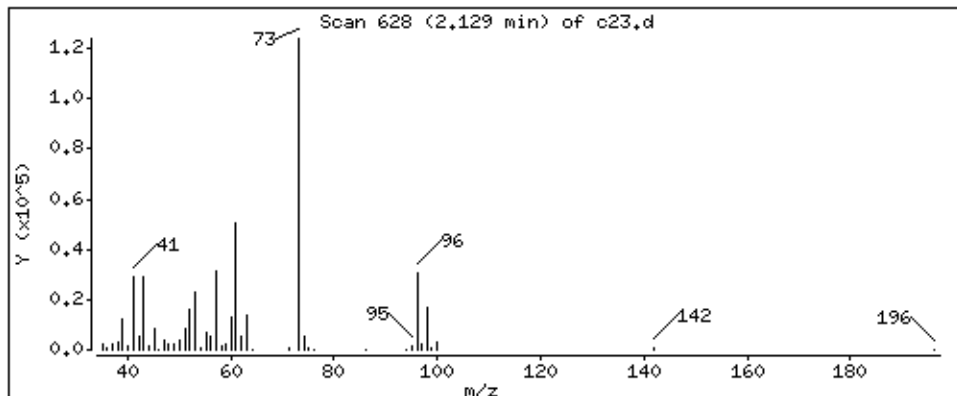
Operator: amv

Column phase: DB-624

Column diameter: 0,18

21 Methyl-tert-butyl ether

Concentration: 49,5 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

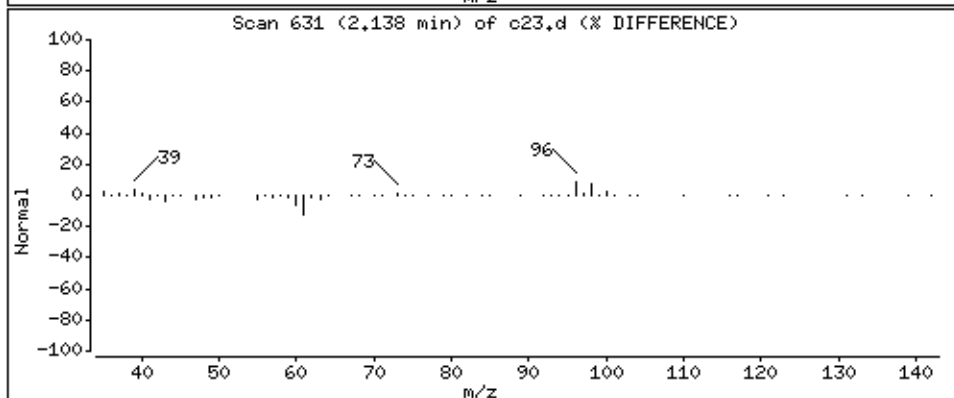
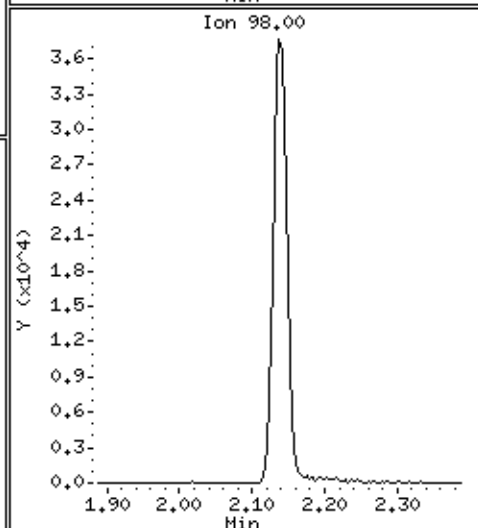
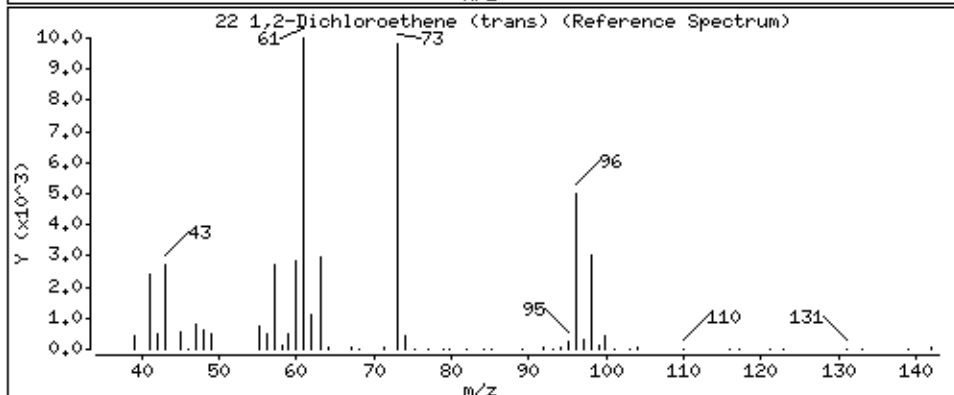
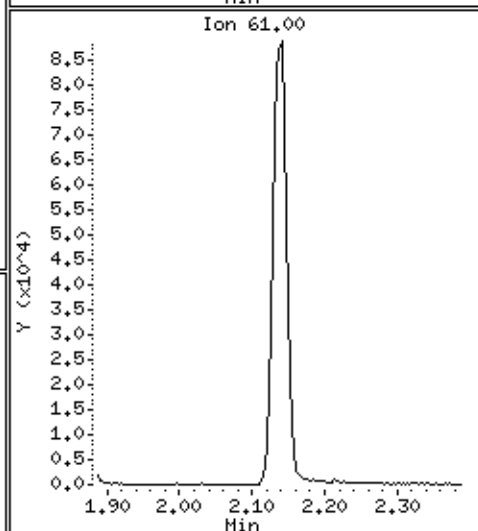
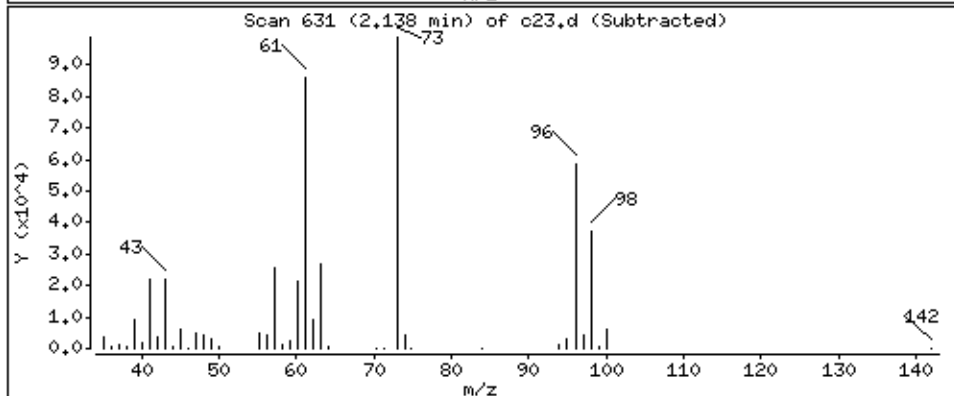
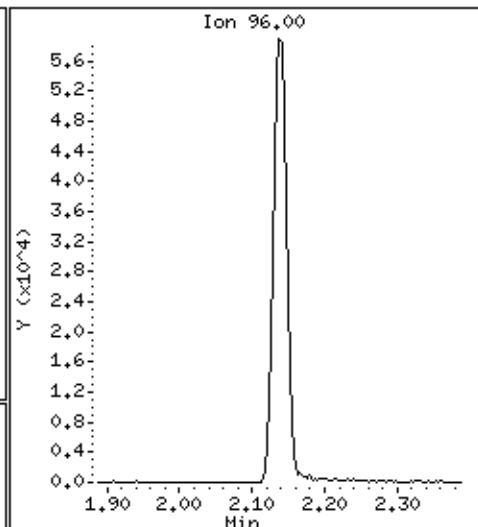
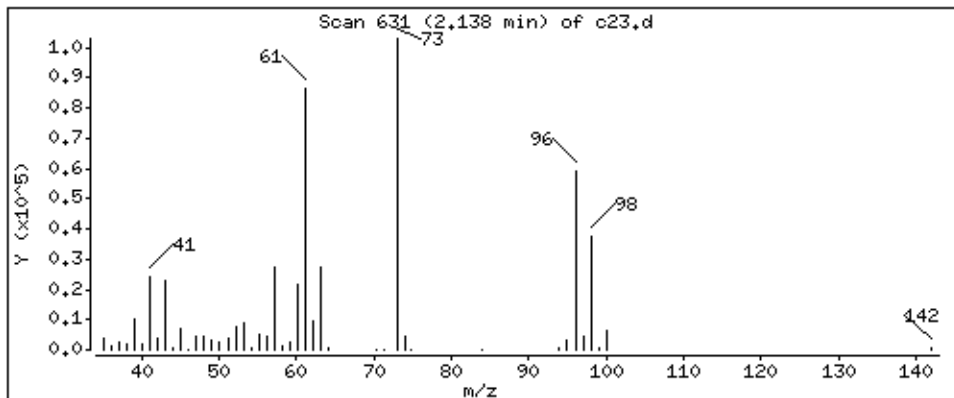
Operator: amv

Column phase: DB-624

Column diameter: 0,18

22 1,2-Dichloroethene (trans)

Concentration: 49,5 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

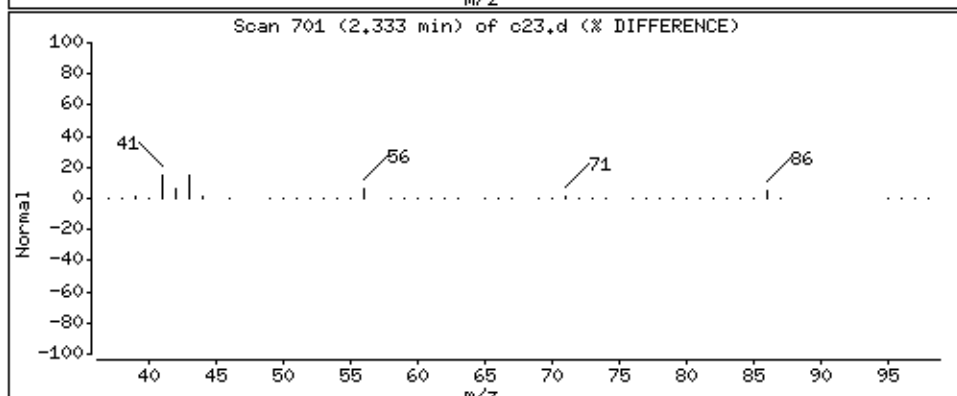
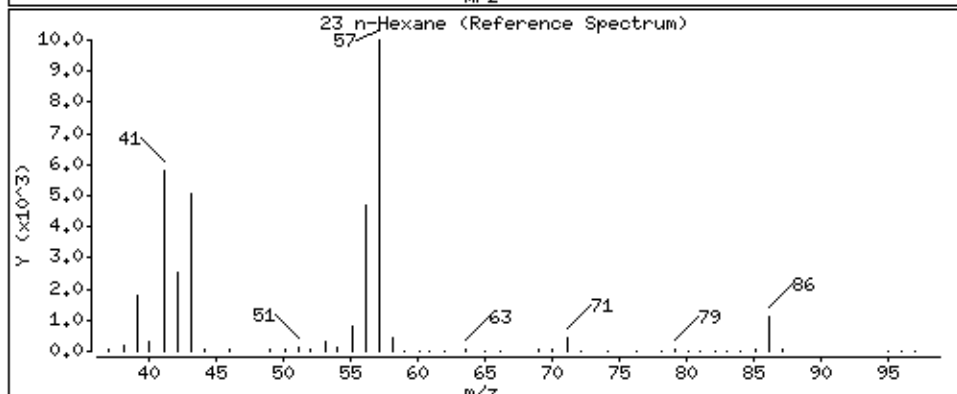
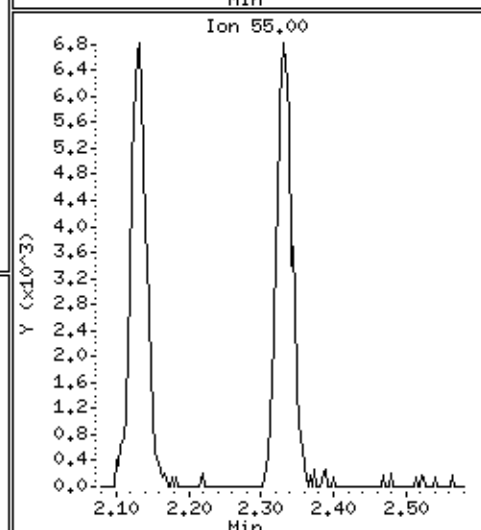
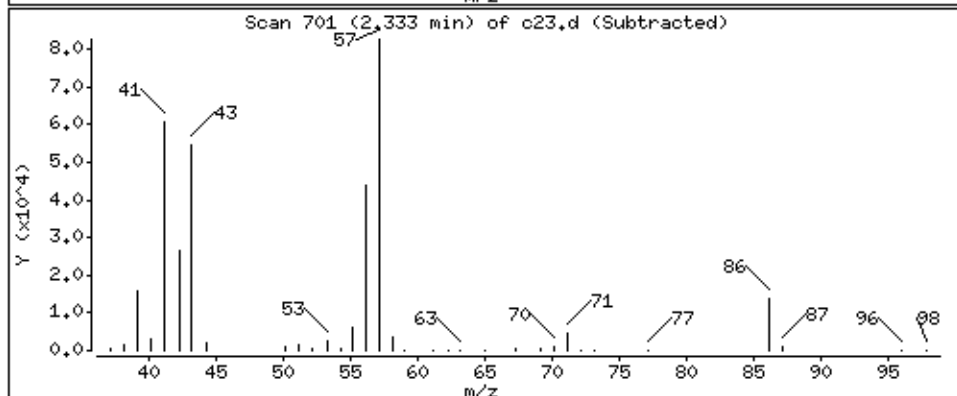
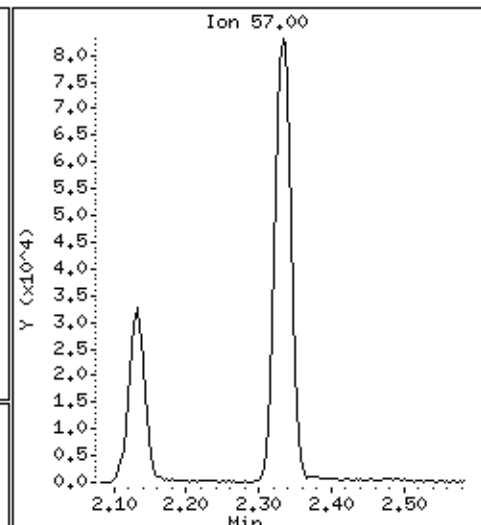
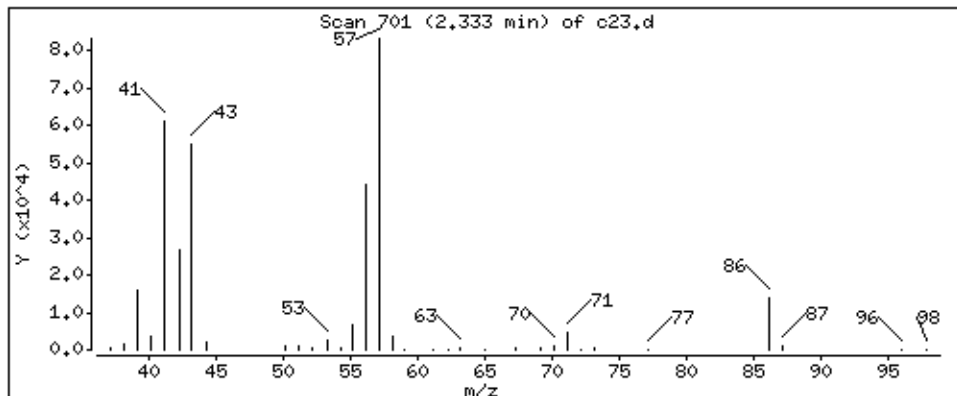
Operator: amv

Column phase: DB-624

Column diameter: 0,18

23 n-Hexane

Concentration: 45,0 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

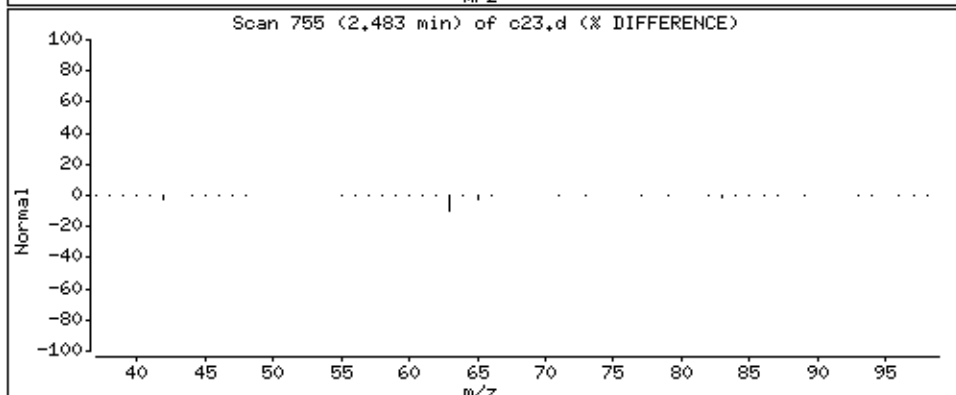
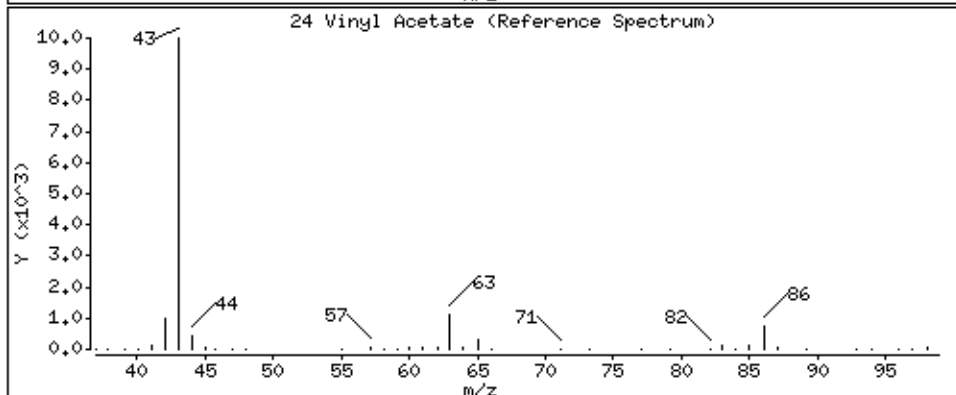
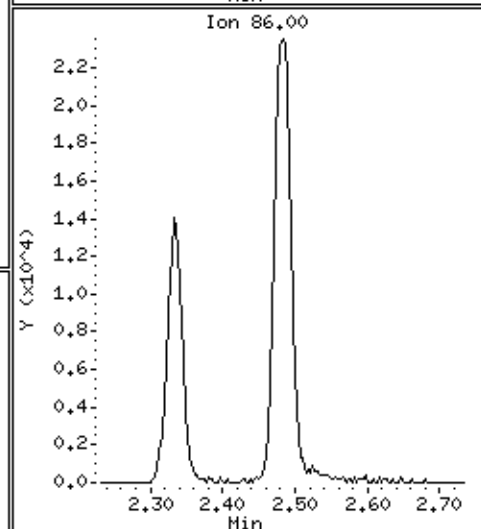
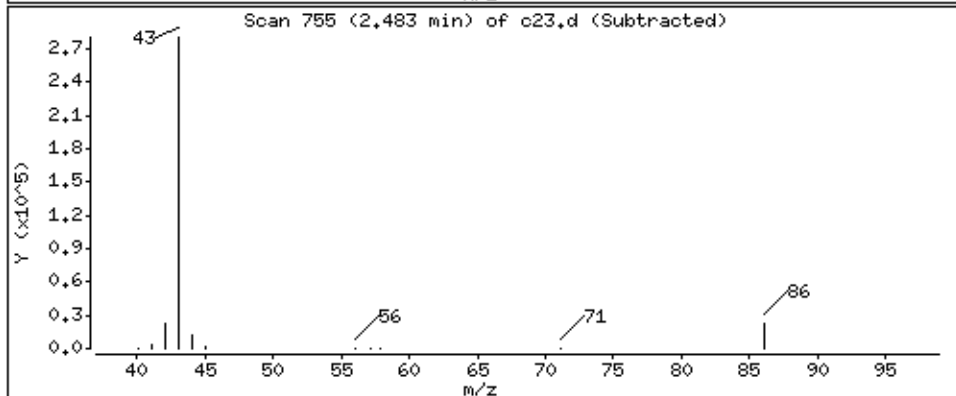
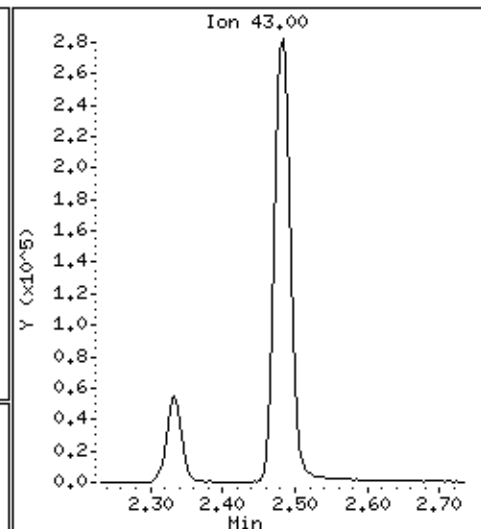
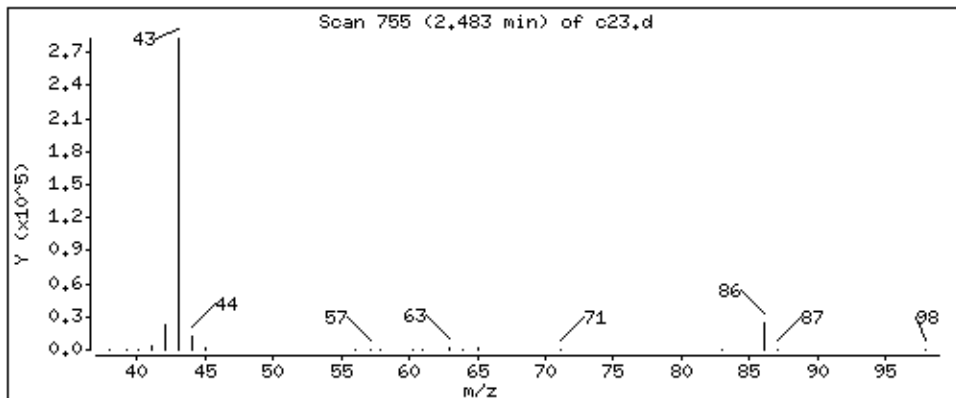
Operator: amv

Column phase: DB-624

Column diameter: 0.18

24 Vinyl Acetate

Concentration: 91.7 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

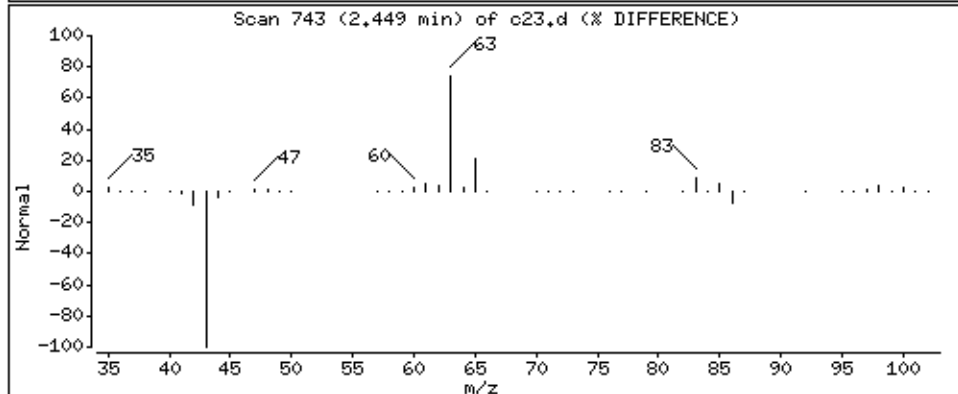
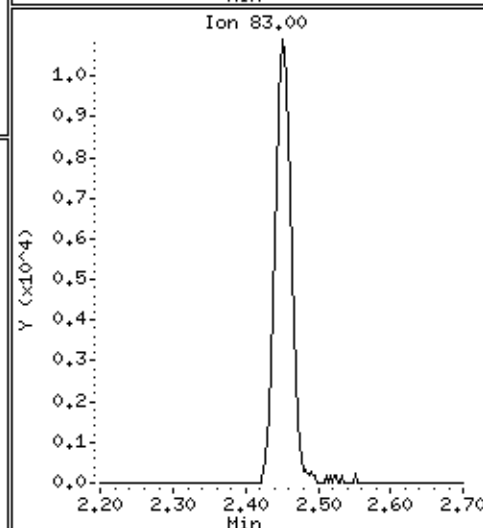
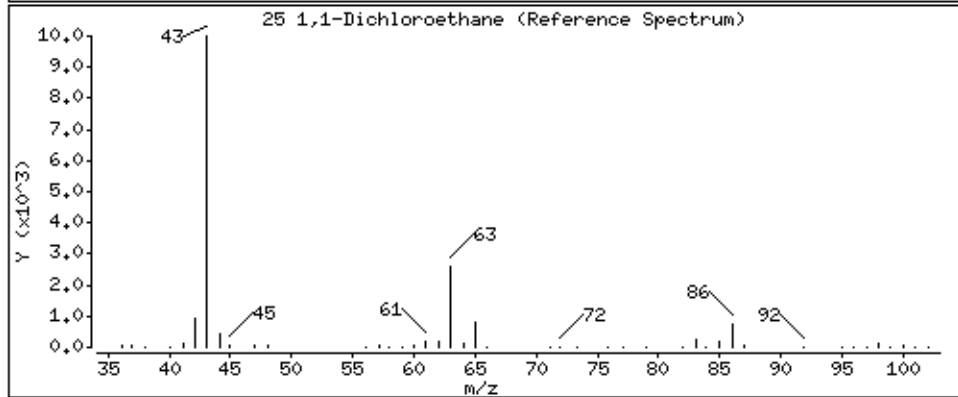
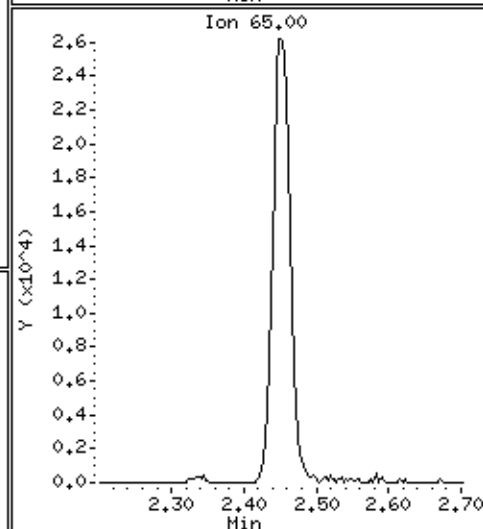
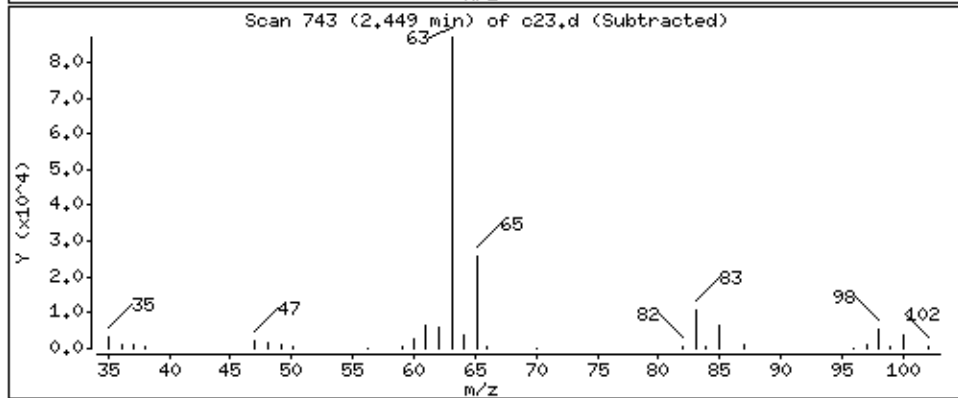
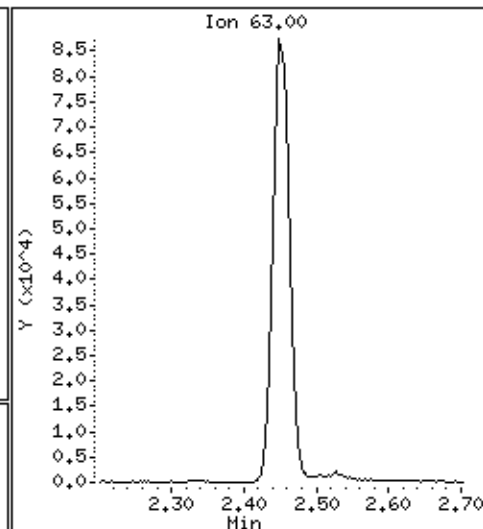
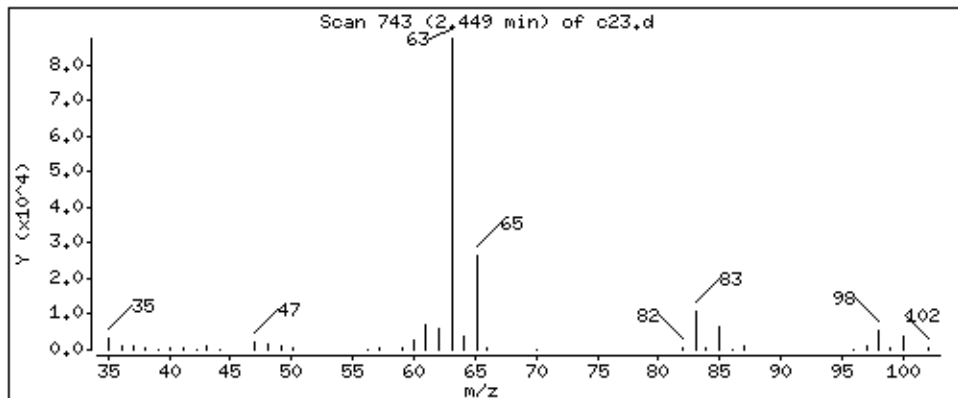
Operator: amv

Column phase: DB-624

Column diameter: 0,18

25 1,1-Dichloroethane

Concentration: 49,1 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

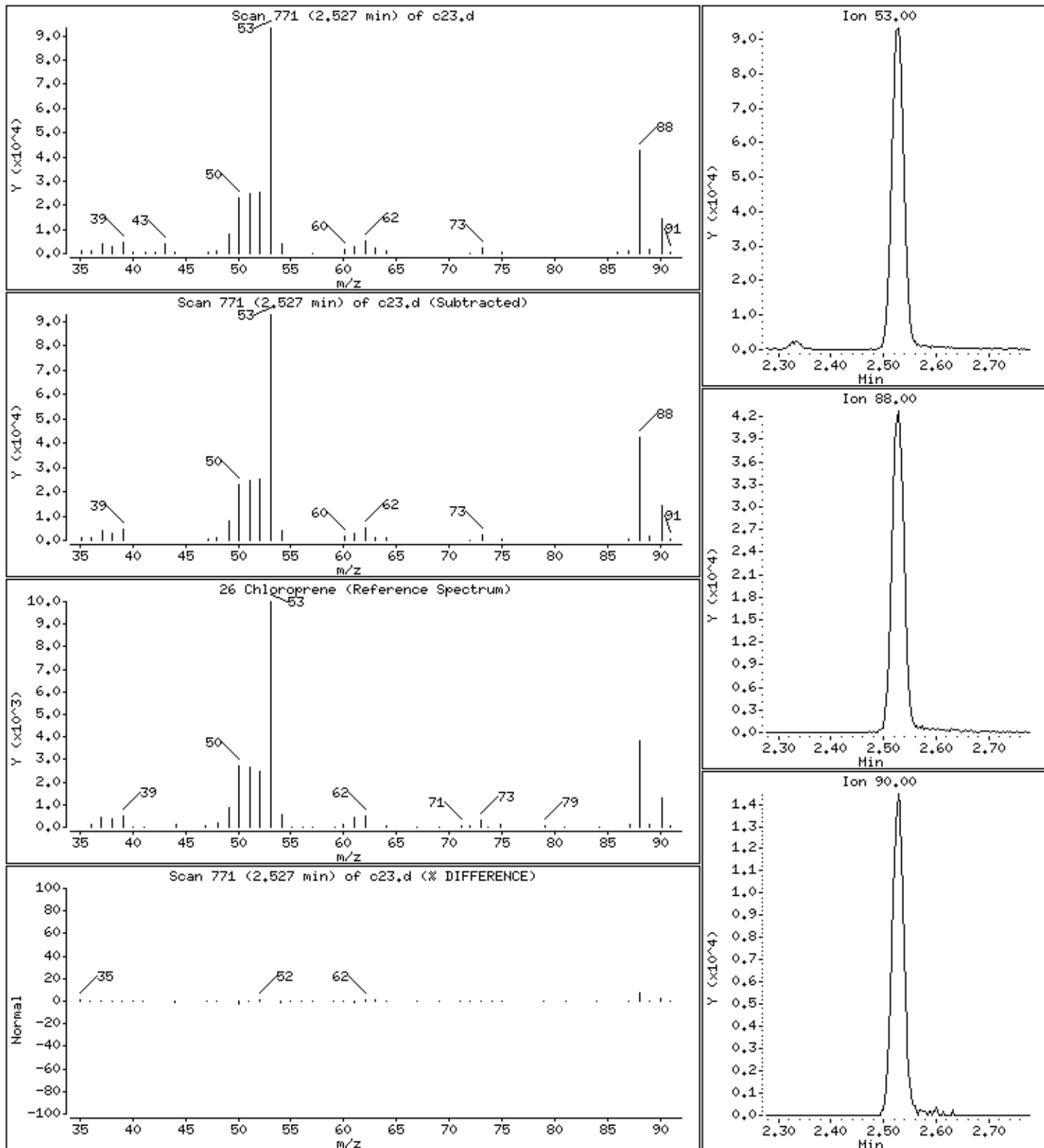
Operator: amv

Column phase: DB-624

Column diameter: 0,18

26 Chloroprene

Concentration: 46,4 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

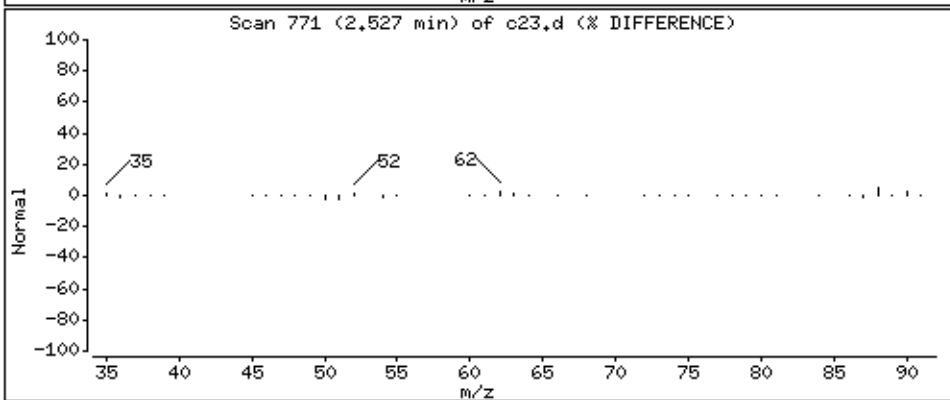
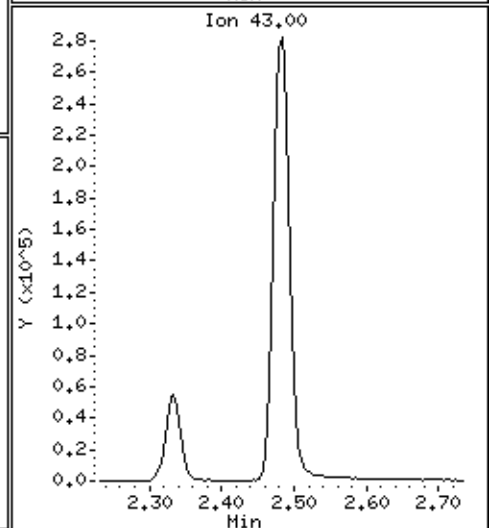
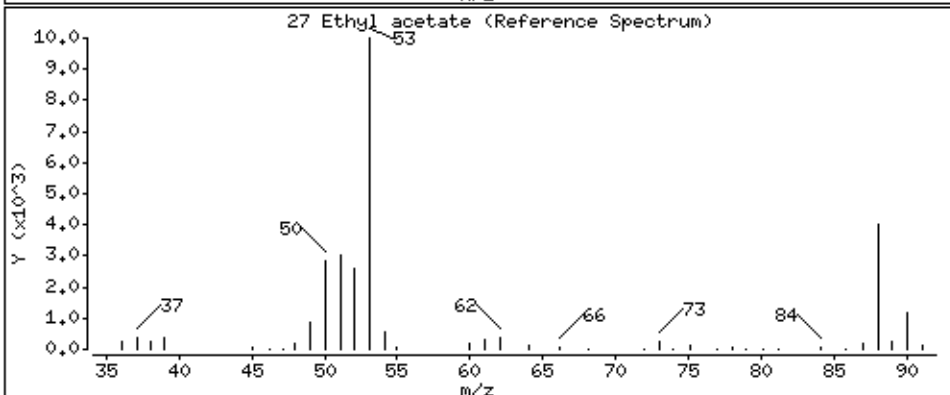
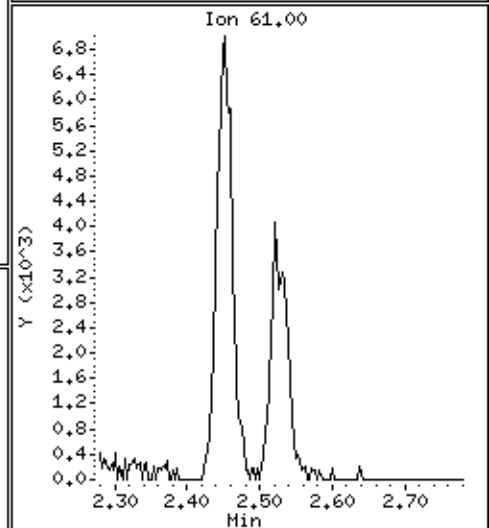
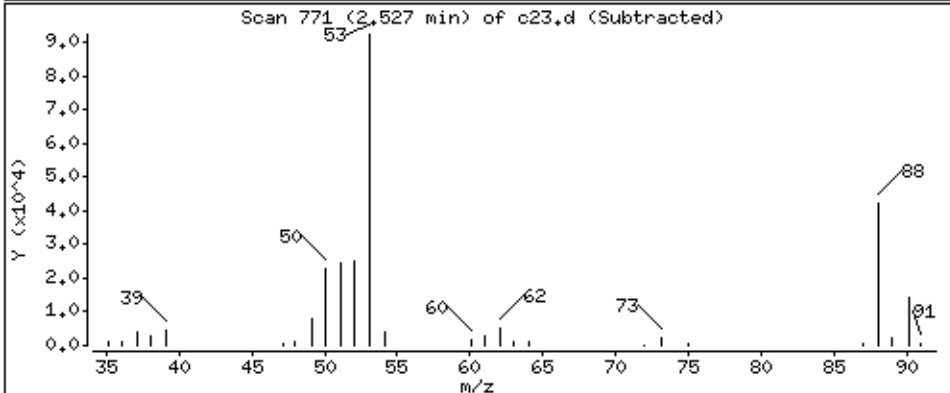
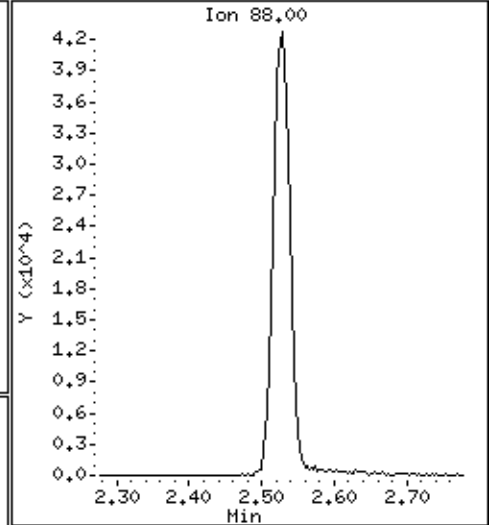
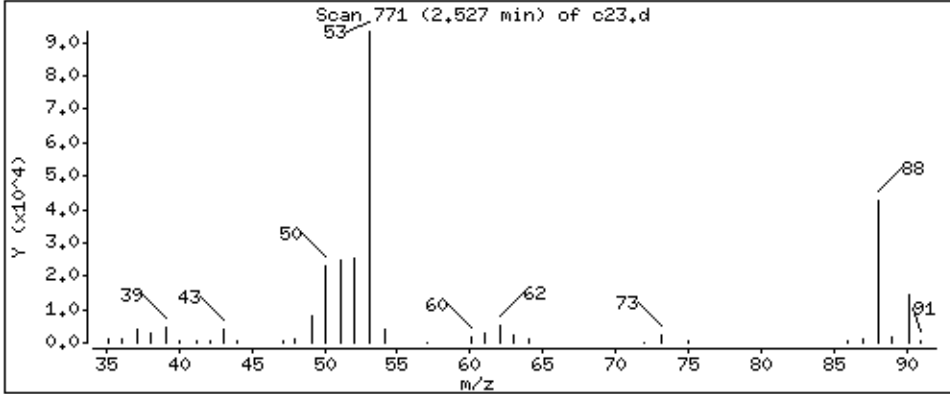
Operator: amv

Column phase: DB-624

Column diameter: 0,18

27 Ethyl acetate

Concentration: 423 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

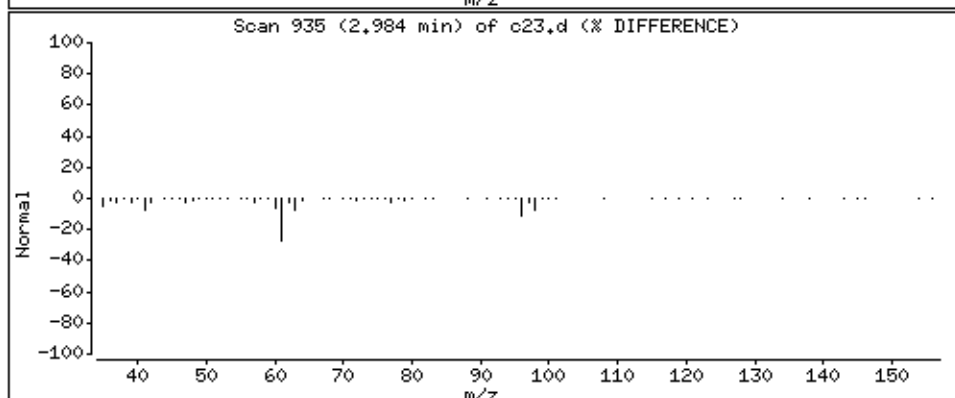
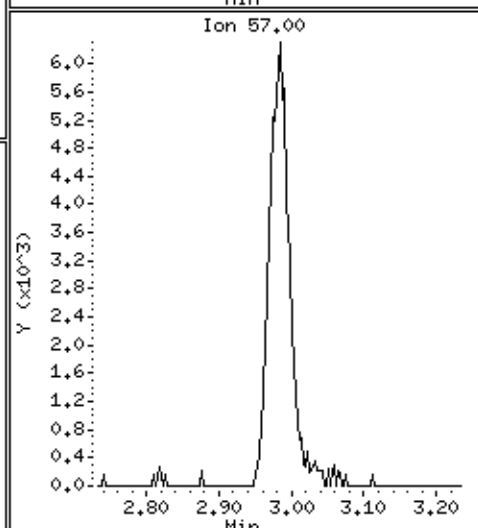
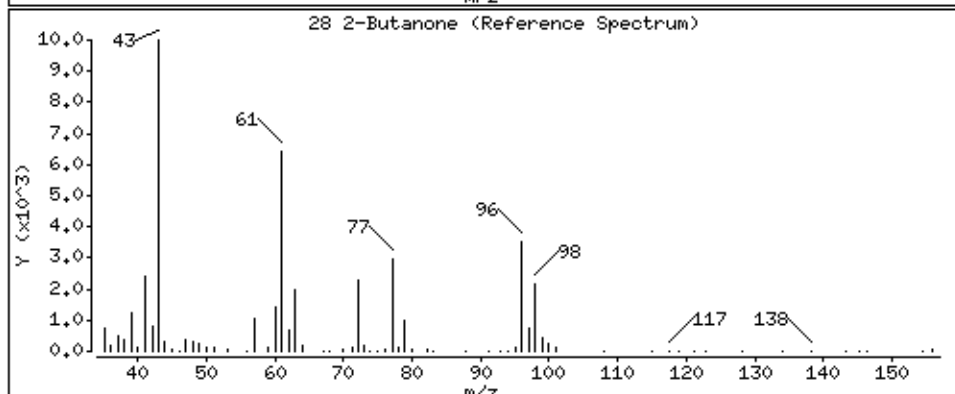
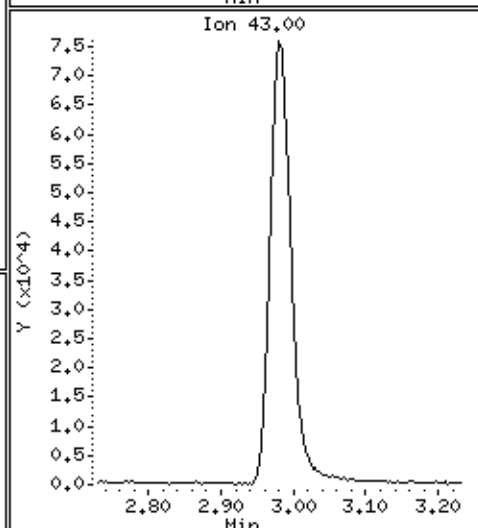
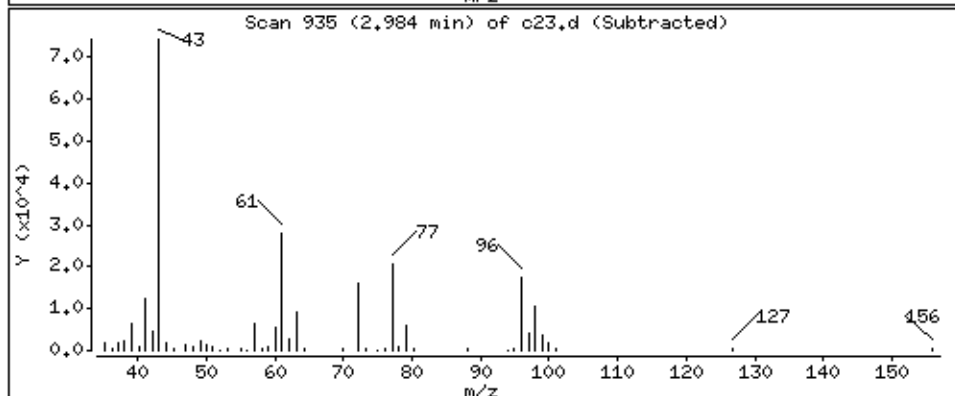
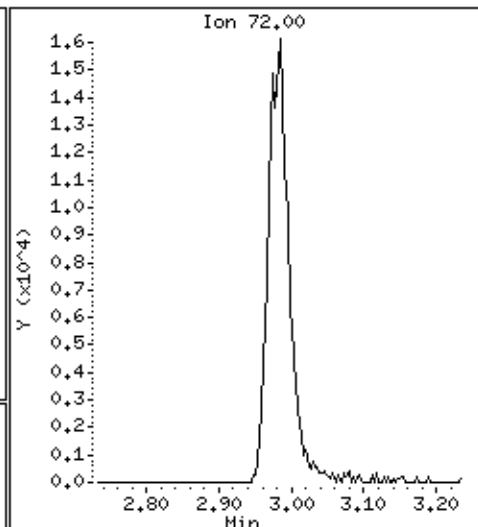
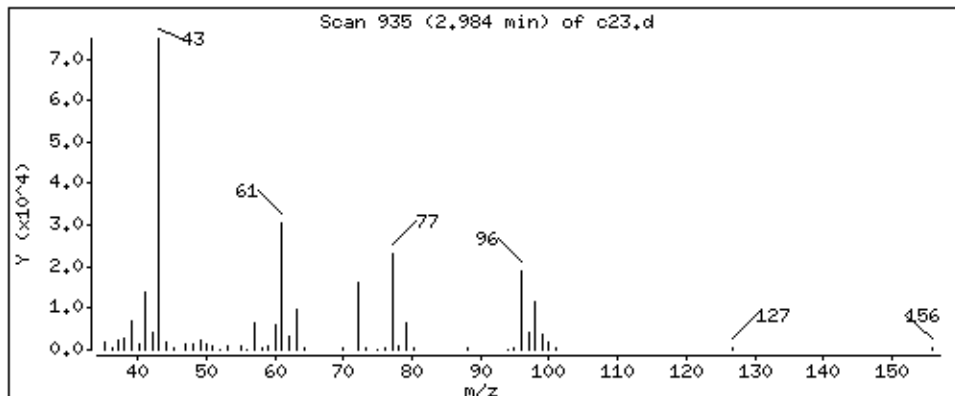
Operator: amv

Column phase: DB-624

Column diameter: 0,18

28 2-Butanone

Concentration: 236 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

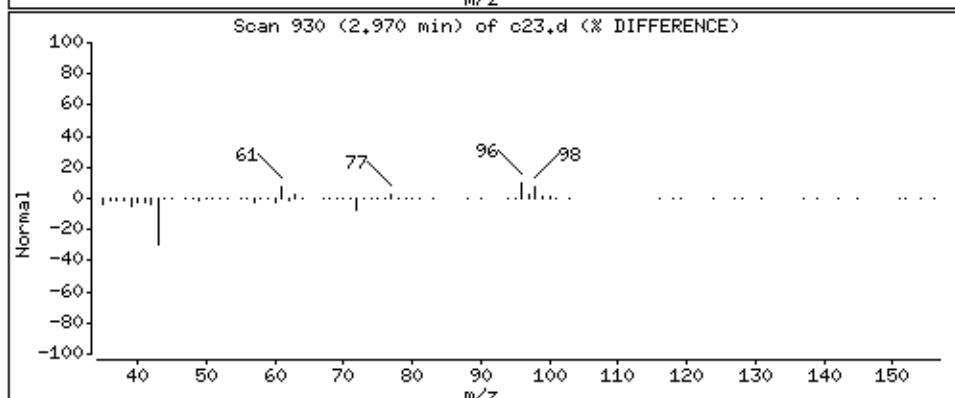
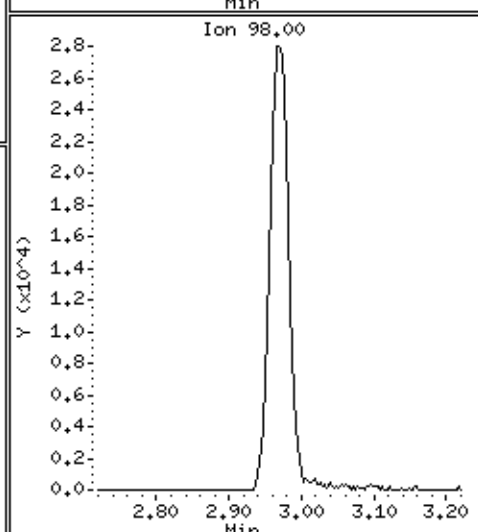
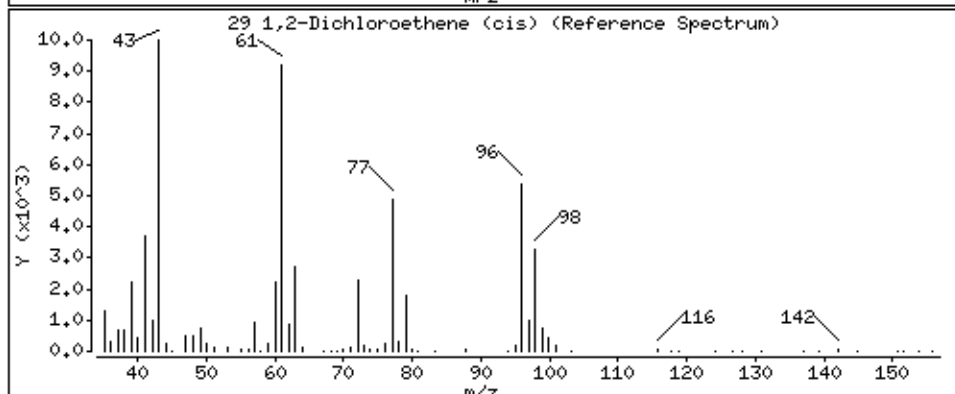
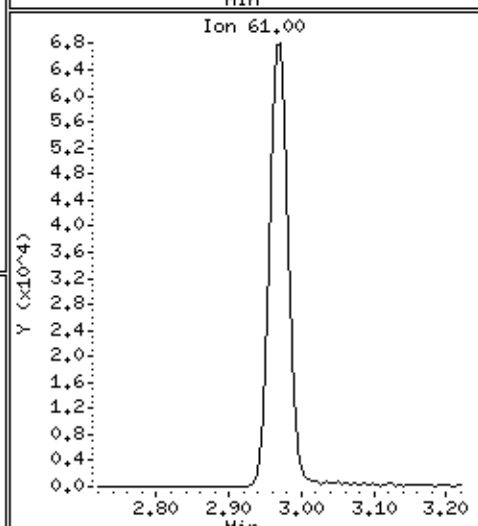
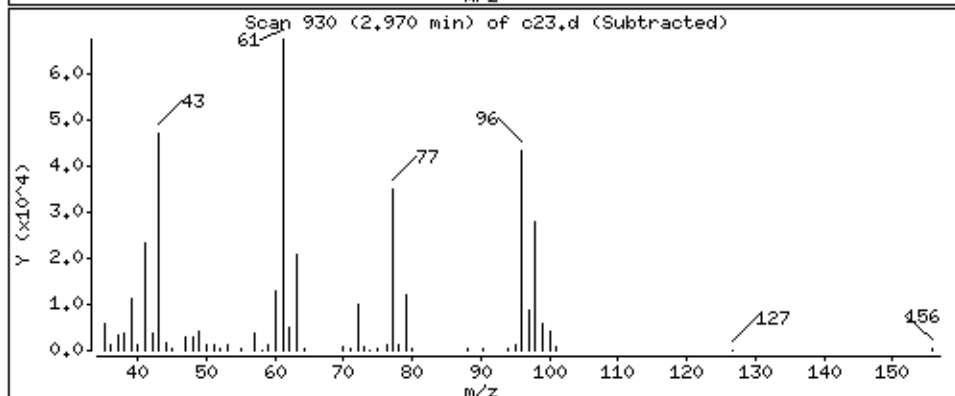
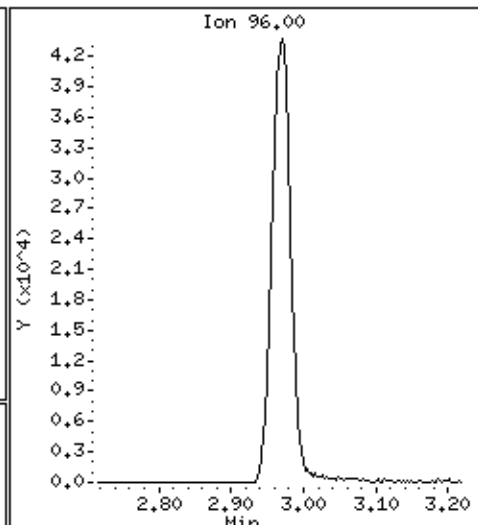
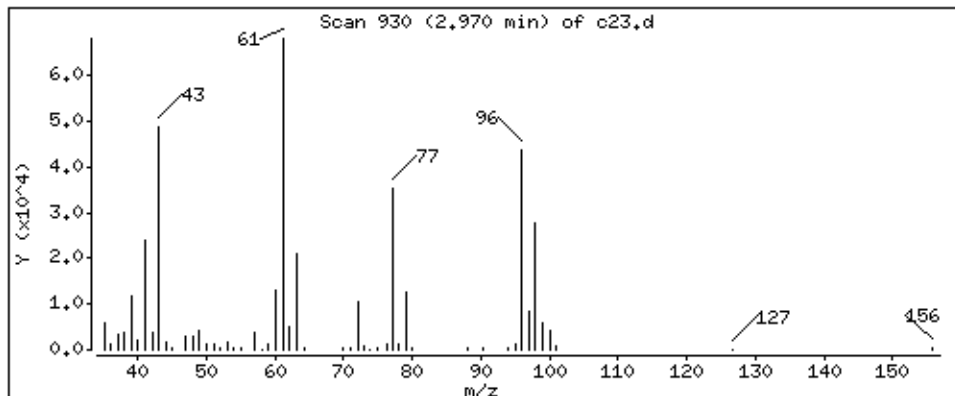
Operator: amv

Column phase: DB-624

Column diameter: 0,18

29 1,2-Dichloroethene (cis)

Concentration: 48,4 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

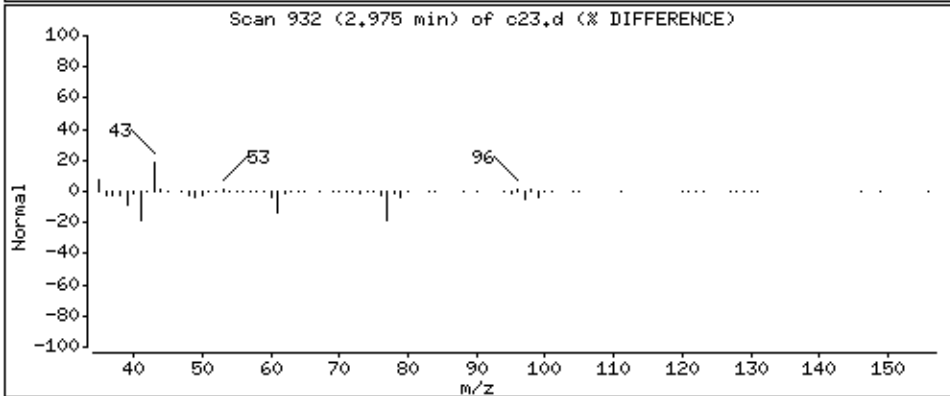
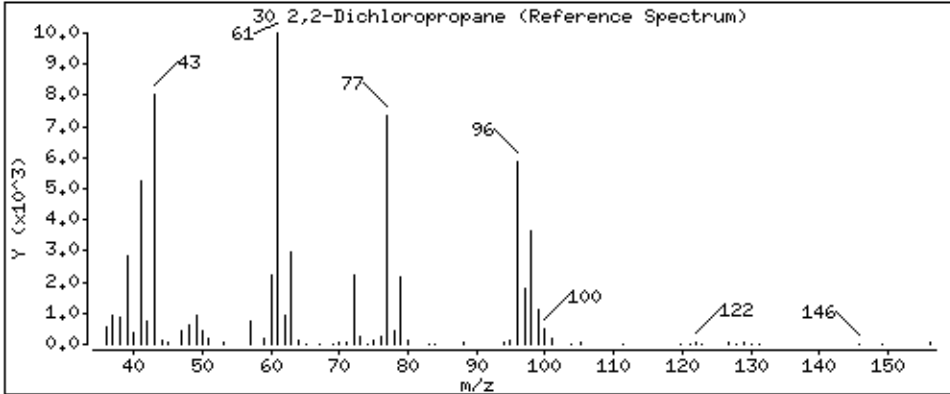
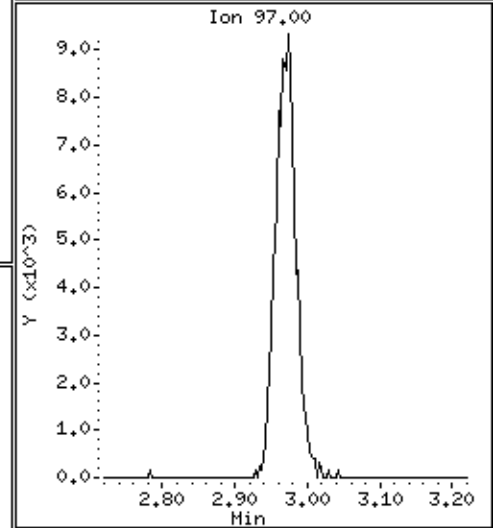
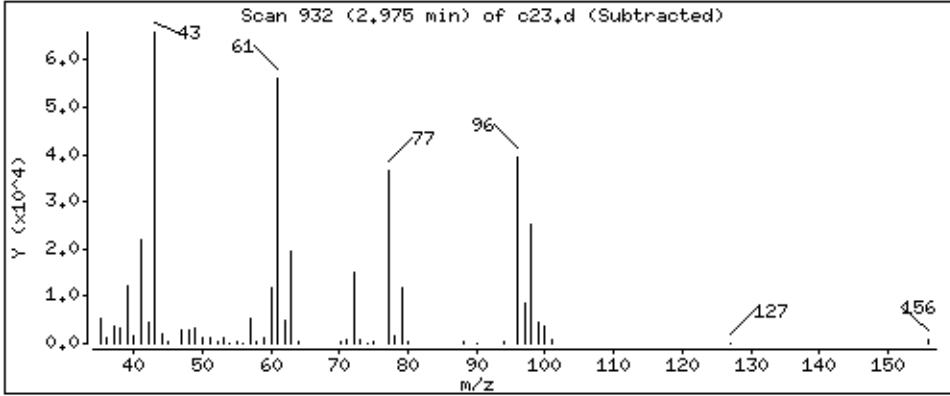
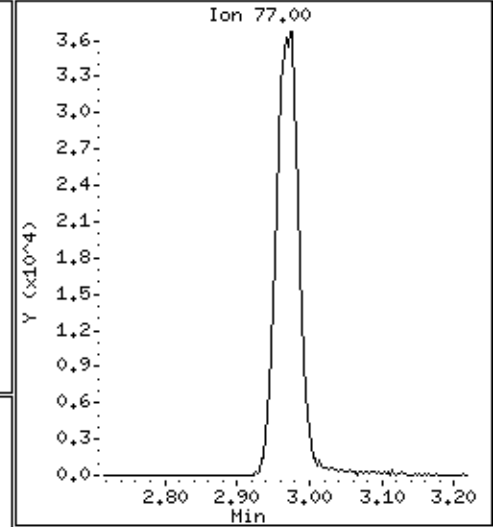
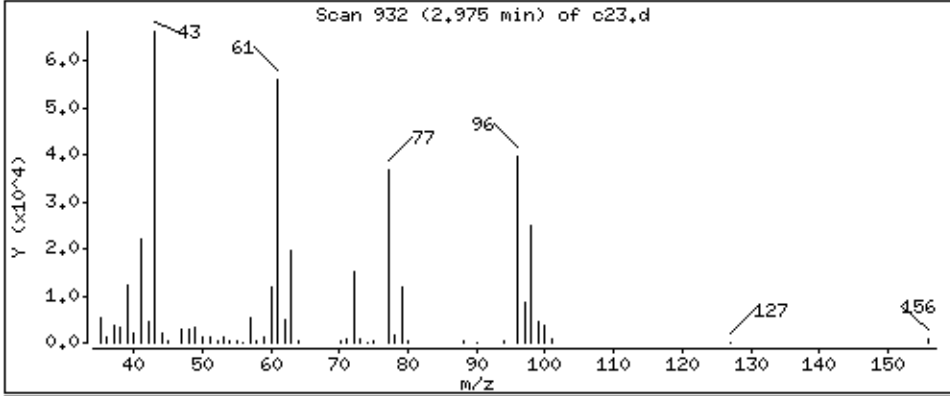
Operator: amv

Column phase: DB-624

Column diameter: 0,18

30 2,2-Dichloropropane

Concentration: 34,1 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

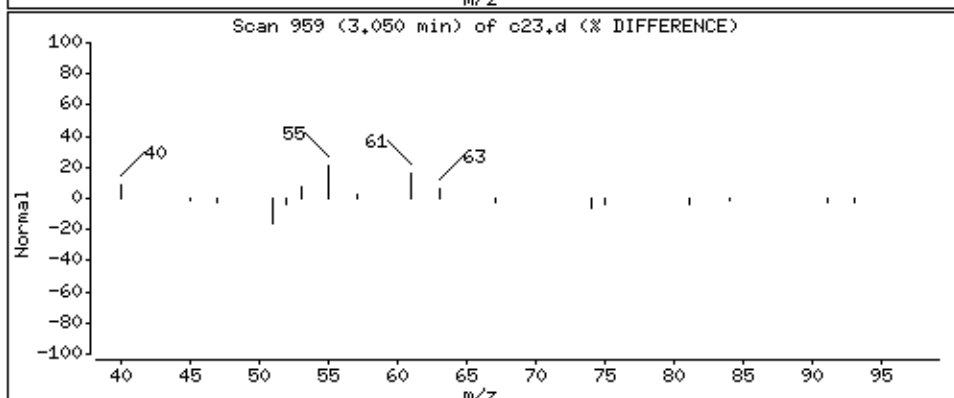
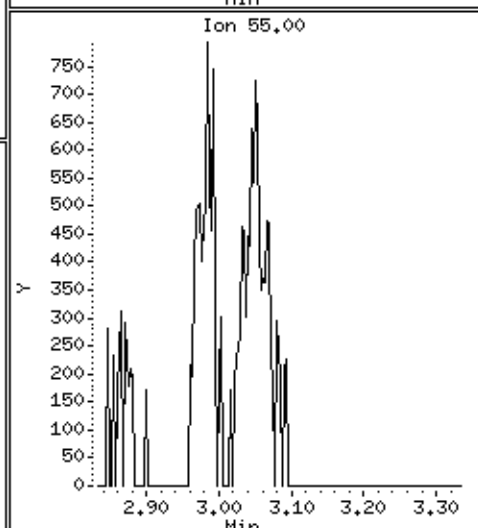
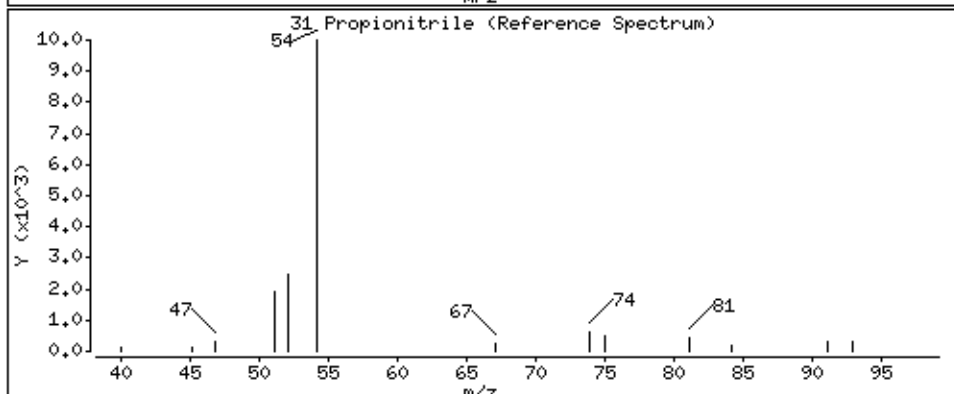
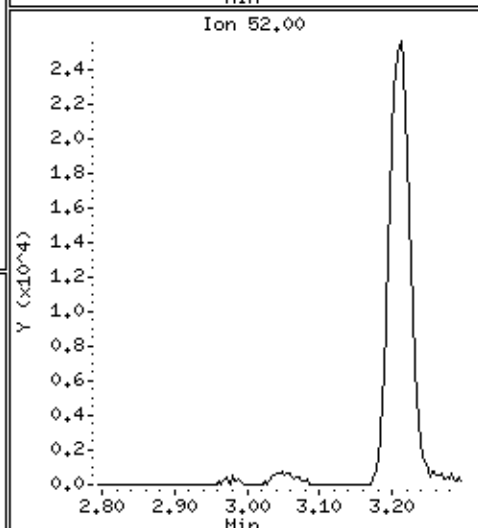
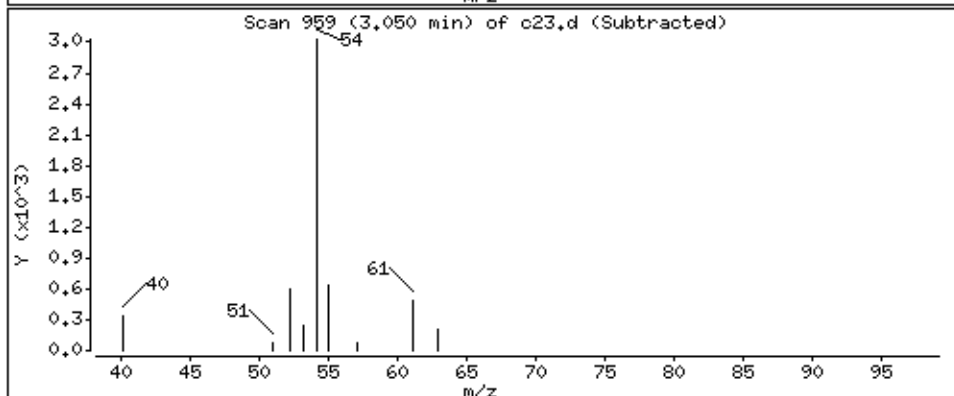
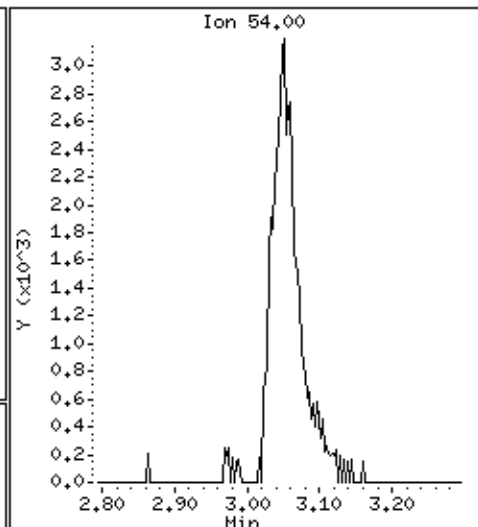
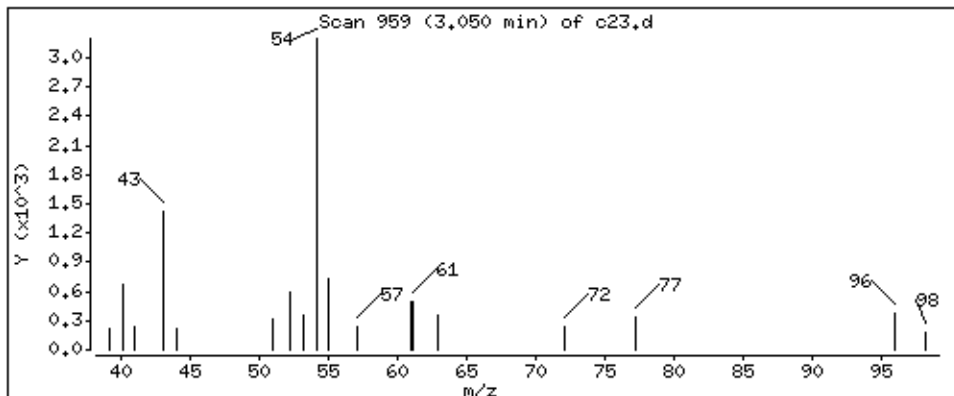
Operator: amv

Column phase: DB-624

Column diameter: 0,18

31 Propionitrile

Concentration: 39,7 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

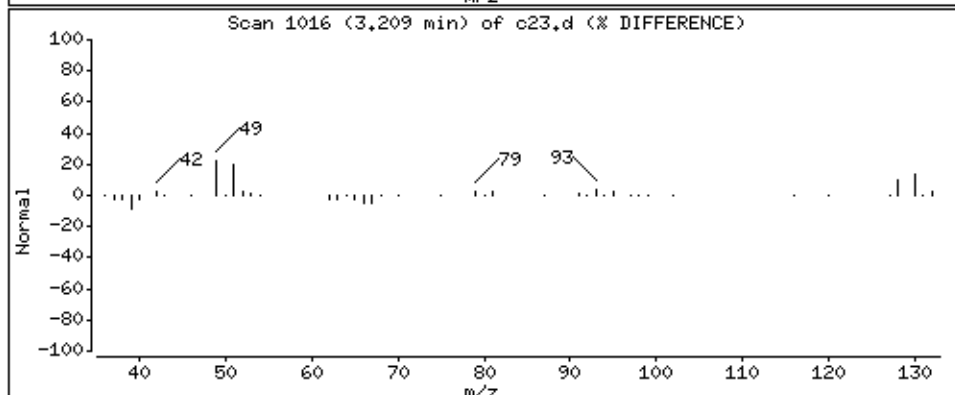
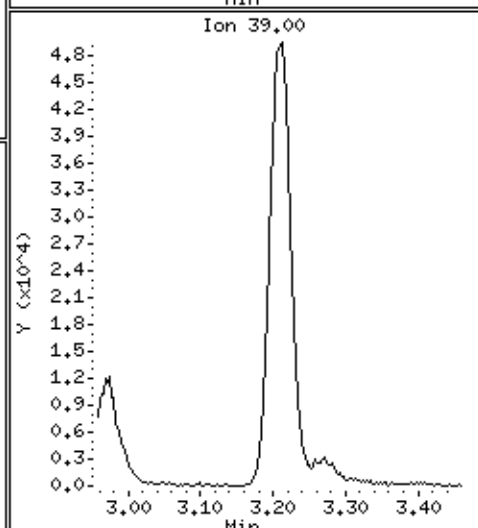
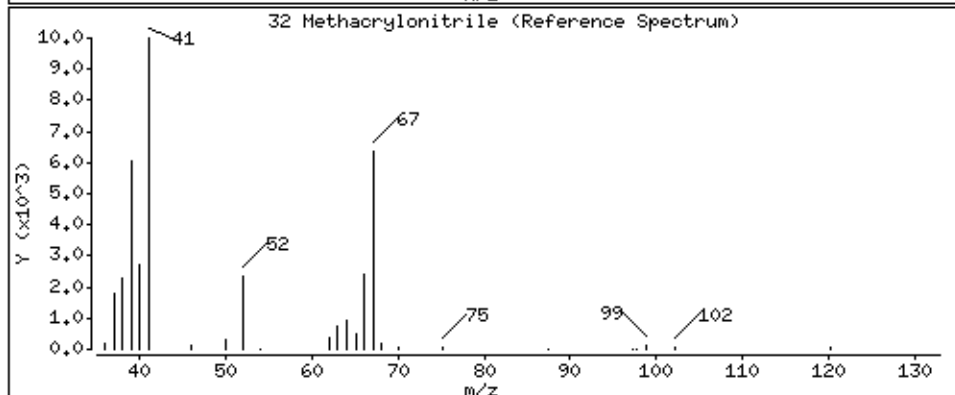
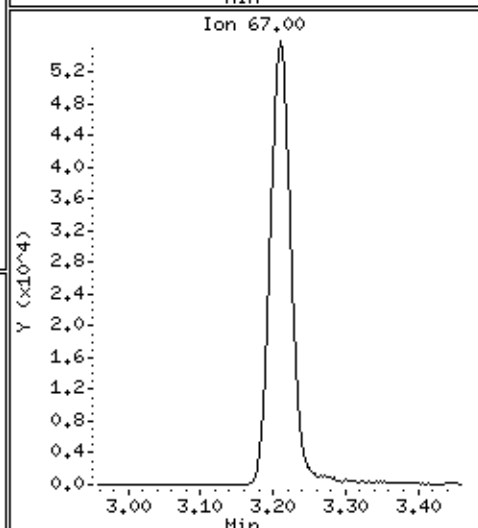
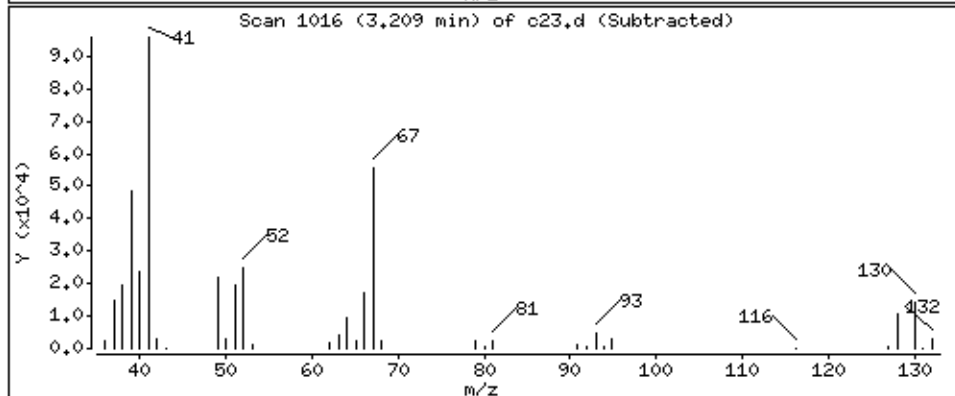
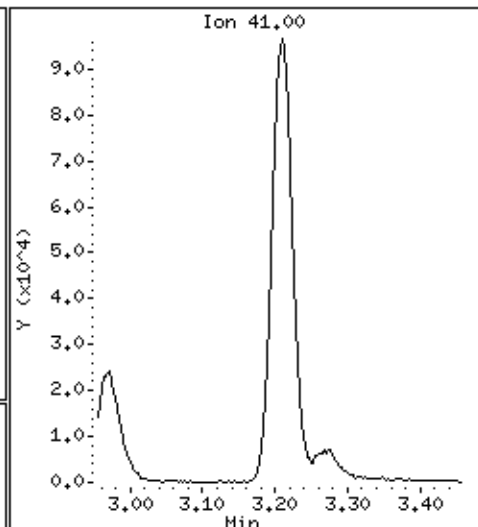
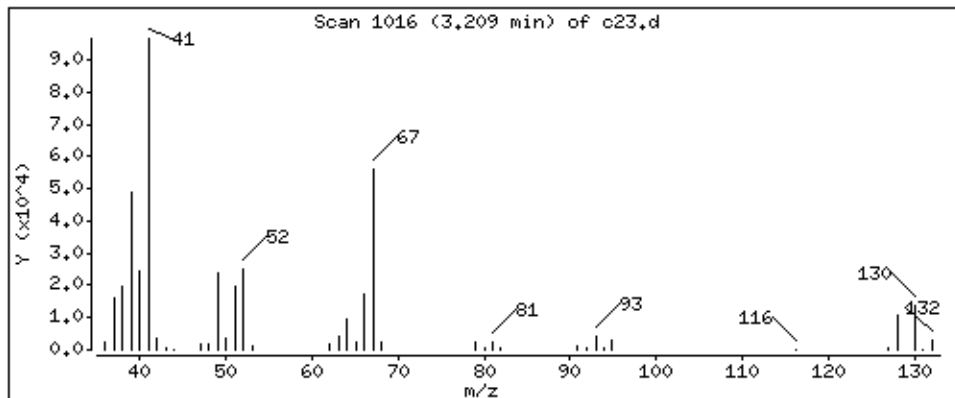
Operator: amv

Column phase: DB-624

Column diameter: 0,18

32 Methacrylonitrile

Concentration: 188 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

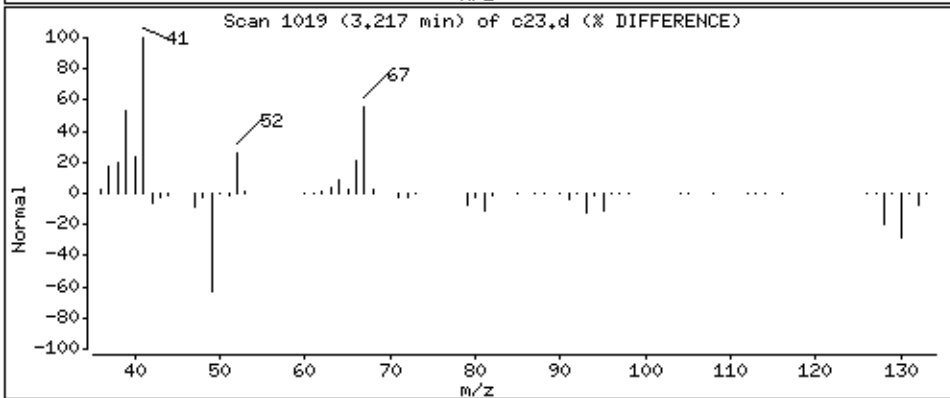
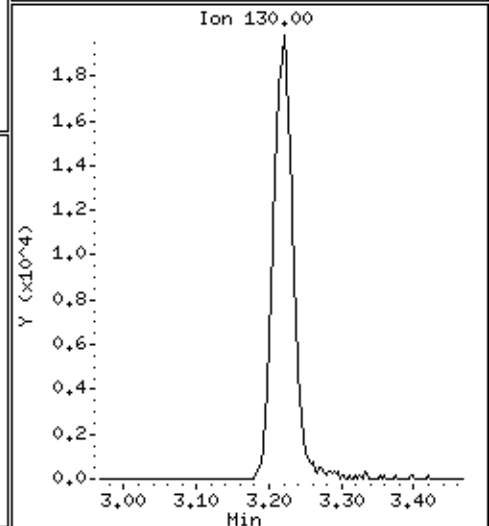
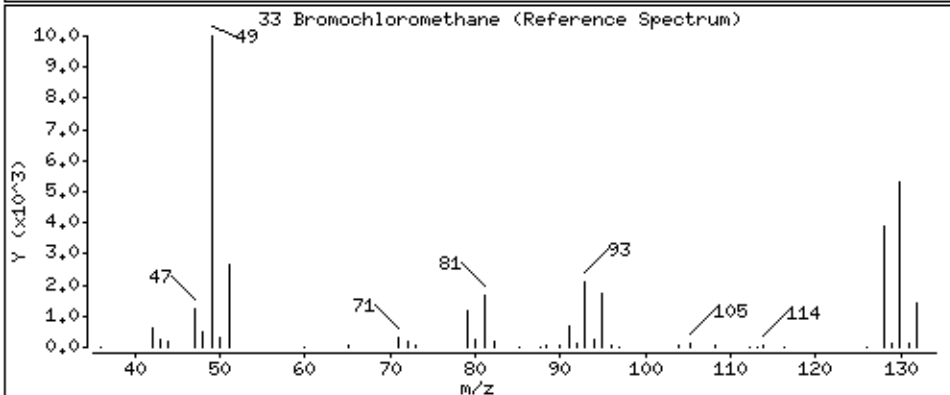
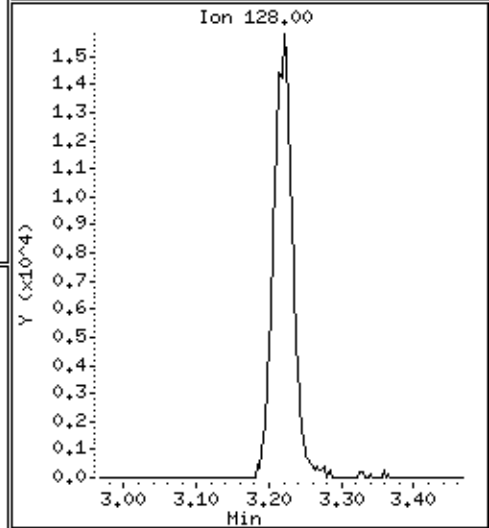
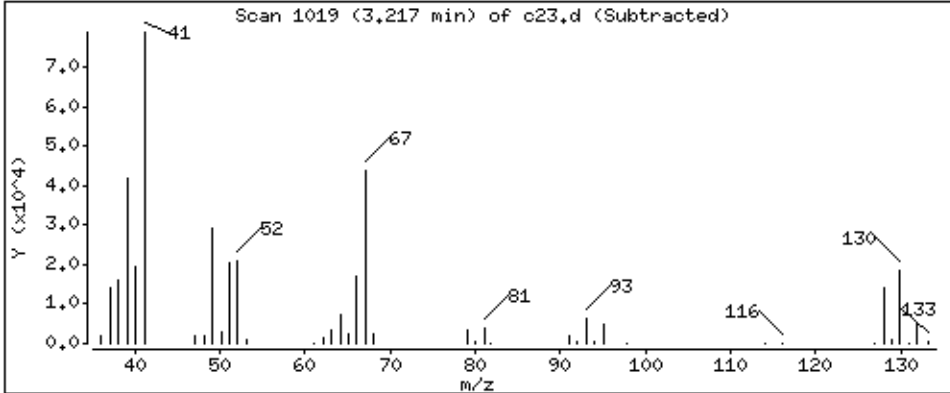
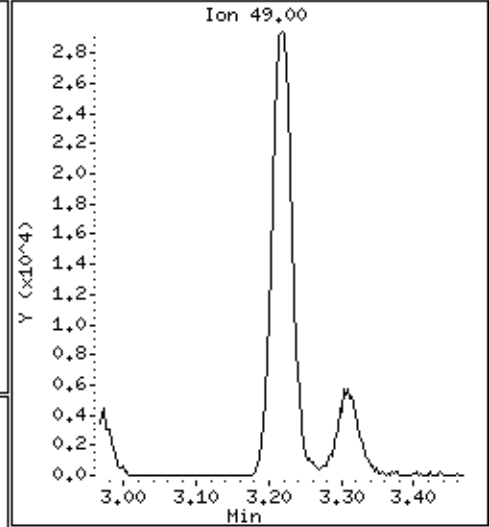
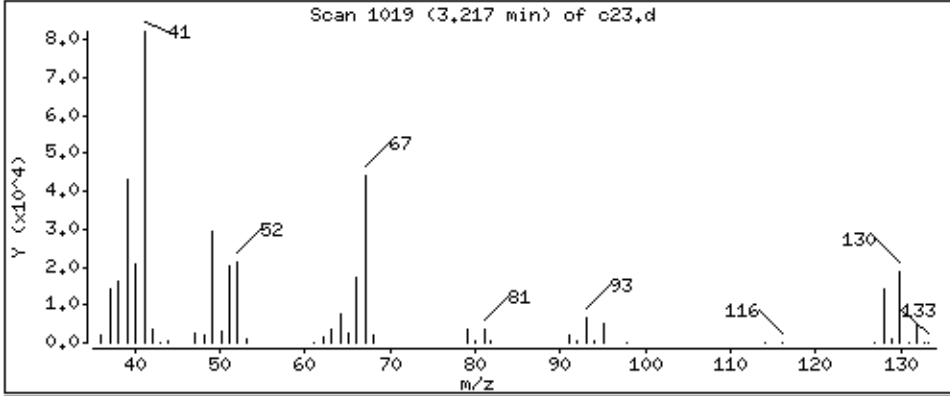
Operator: amv

Column phase: DB-624

Column diameter: 0,18

33 Bromochloromethane

Concentration: 44,5 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

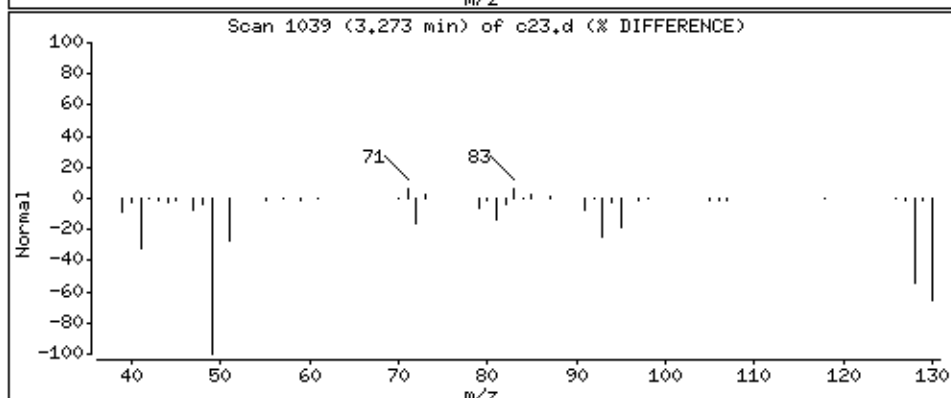
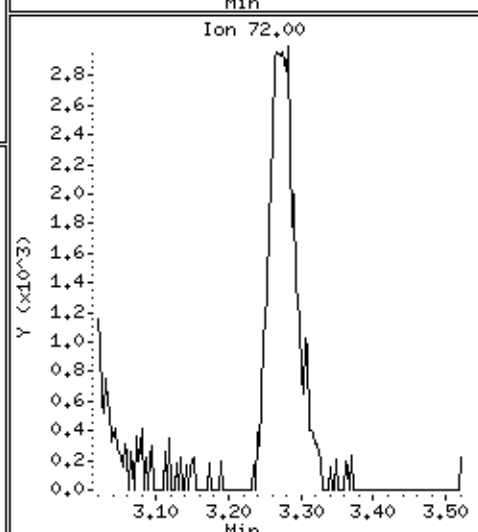
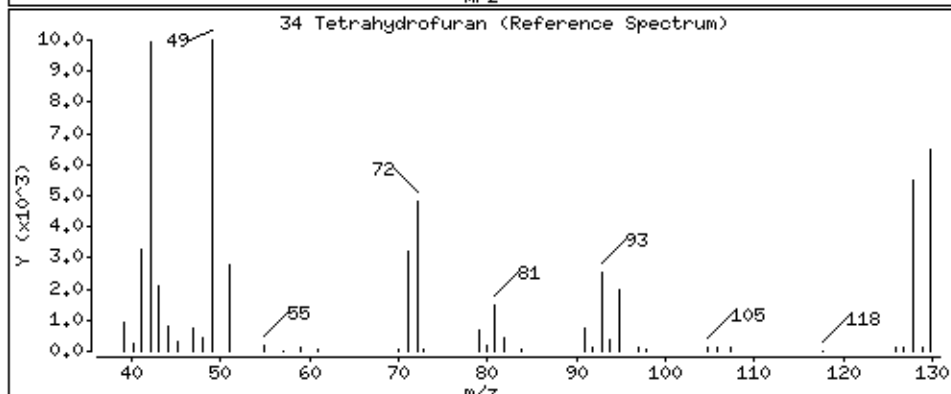
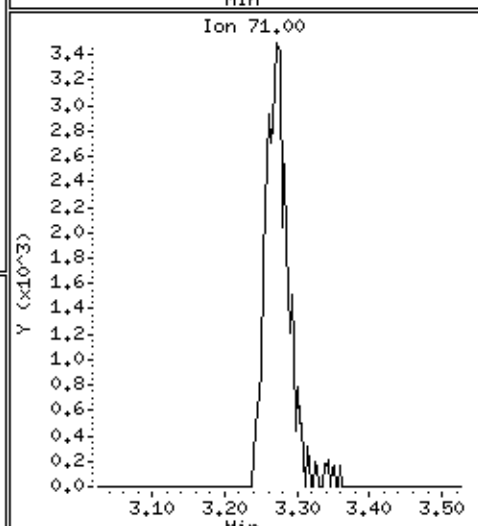
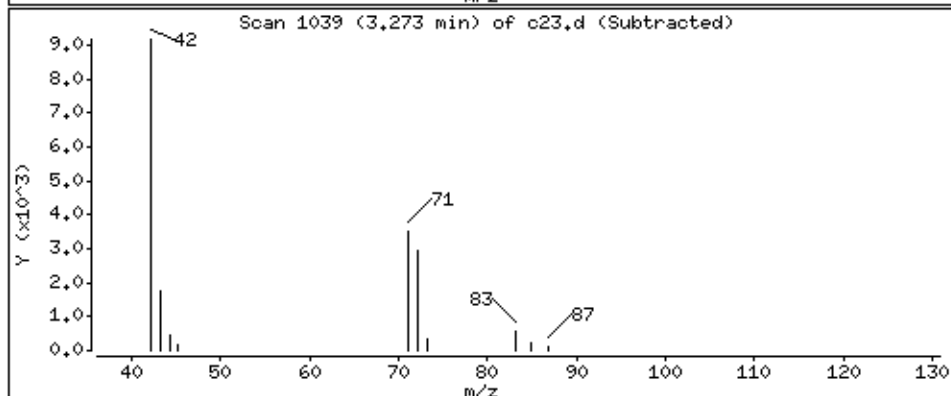
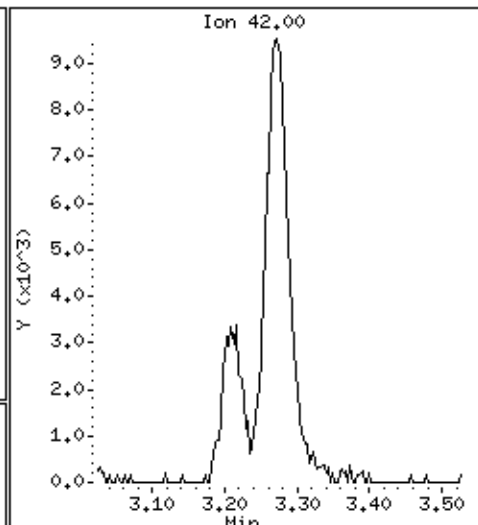
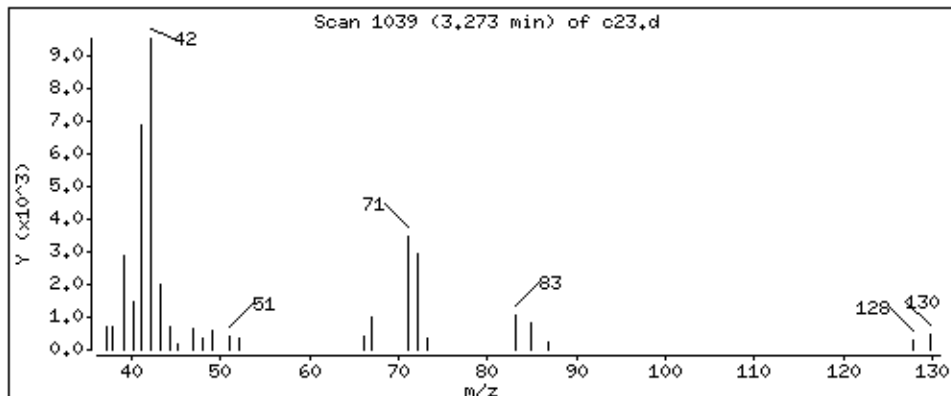
Operator: amv

Column phase: DB-624

Column diameter: 0,18

34 Tetrahydrofuran

Concentration: 42.2 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

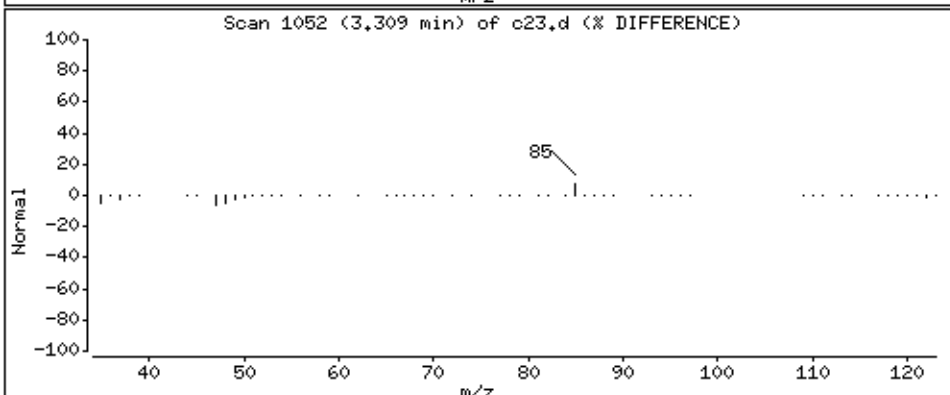
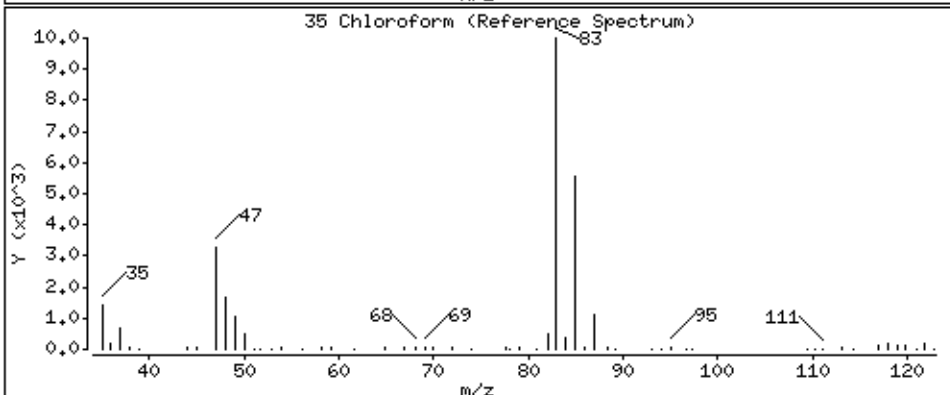
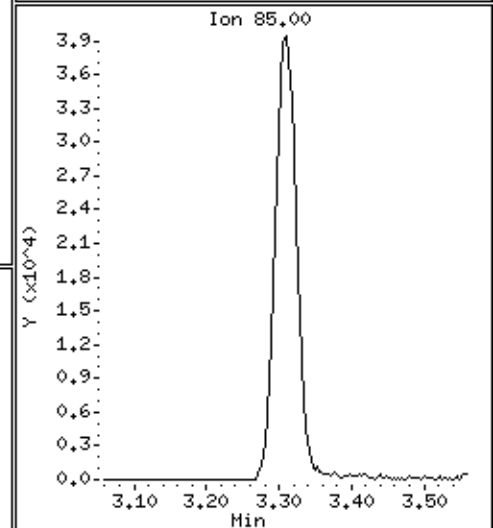
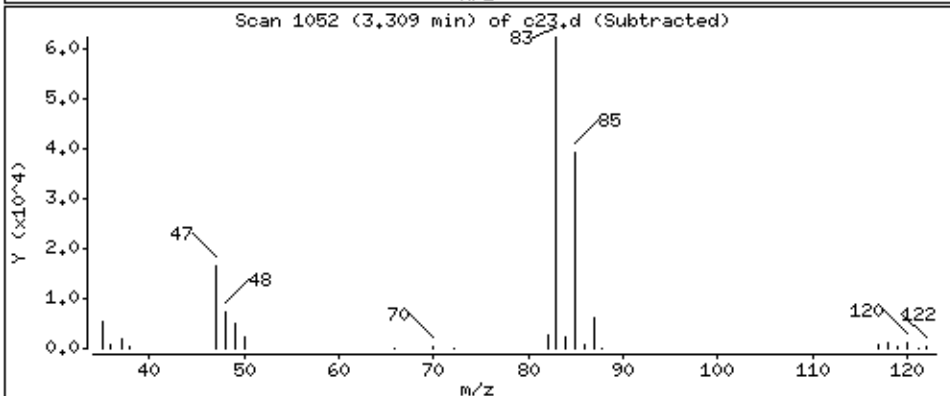
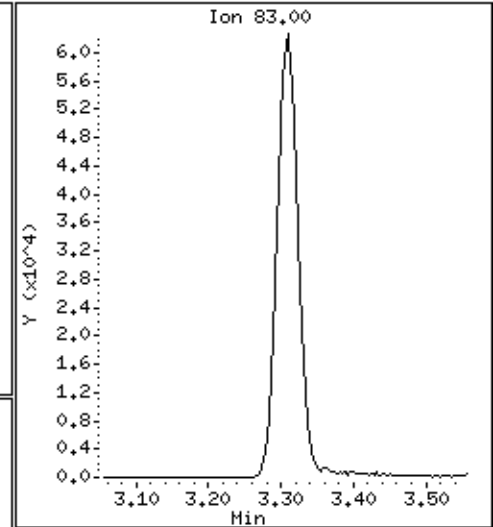
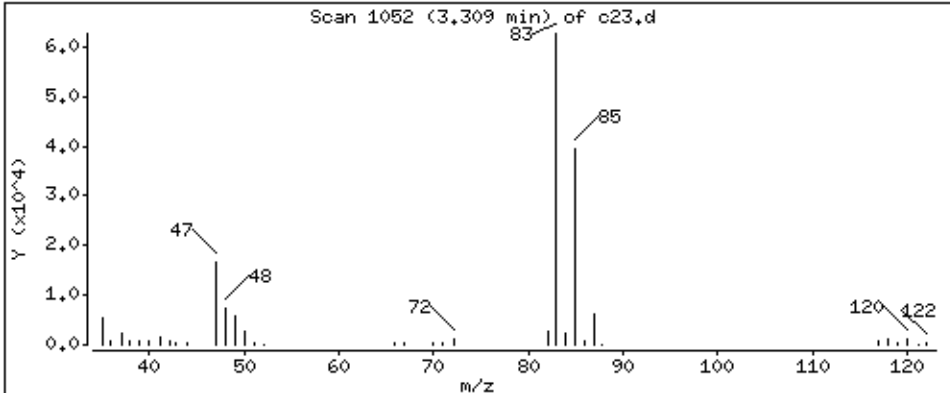
Operator: amv

Column phase: DB-624

Column diameter: 0,18

35 Chloroform

Concentration: 45,8 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

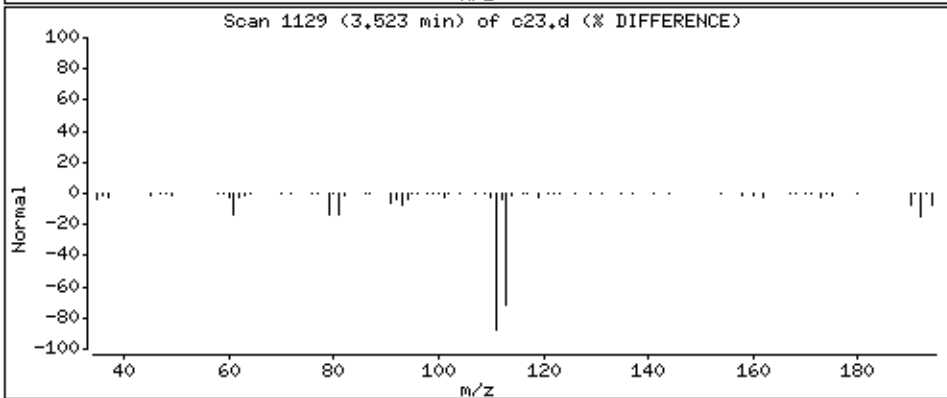
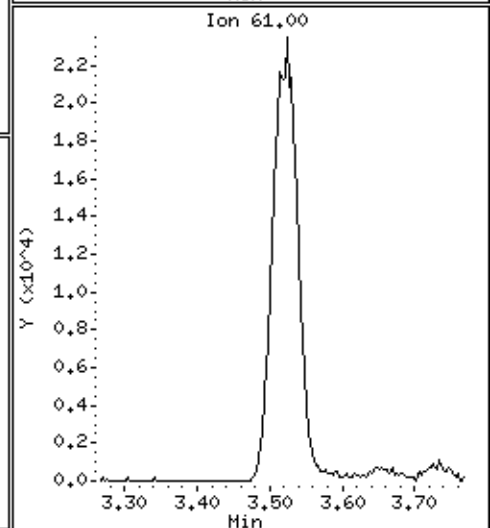
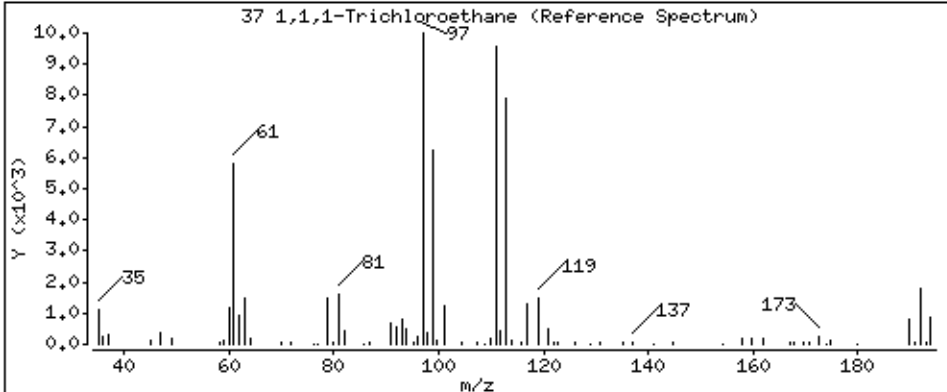
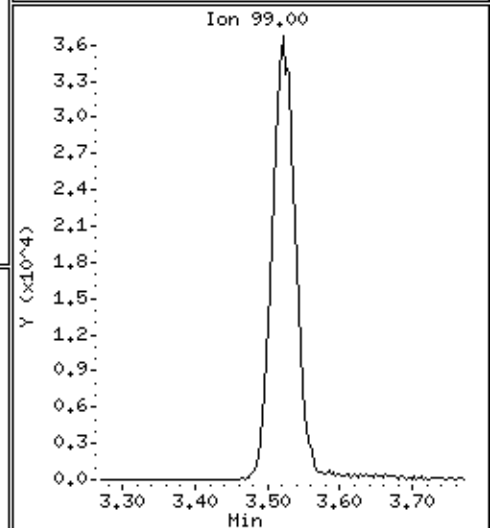
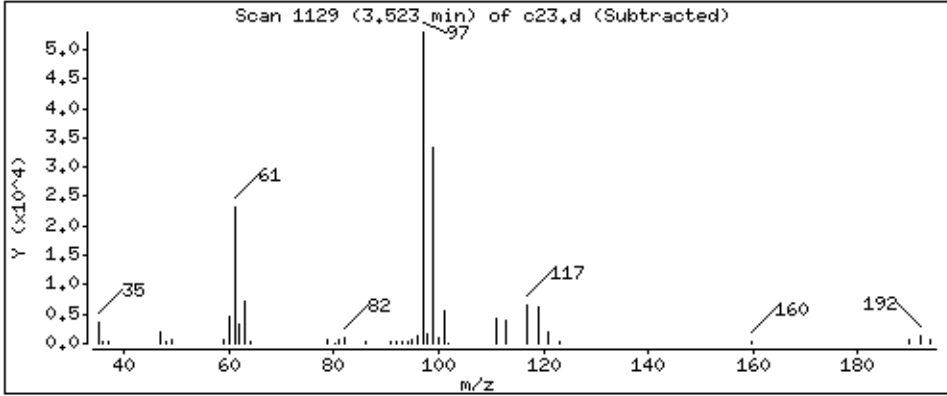
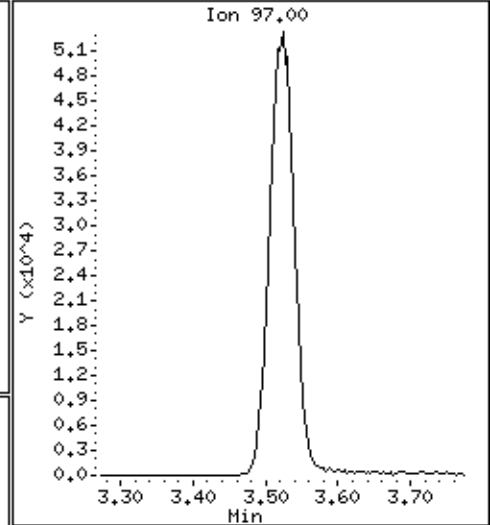
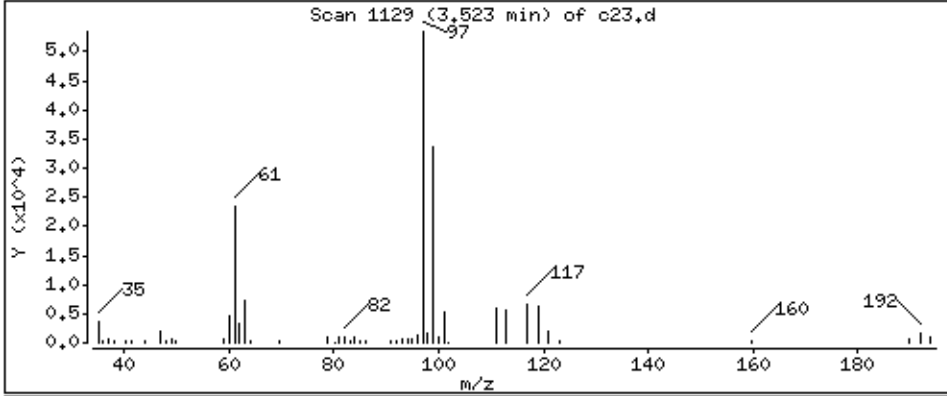
Operator: amv

Column phase: DB-624

Column diameter: 0,18

37 1,1,1-Trichloroethane

Concentration: 51.9 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

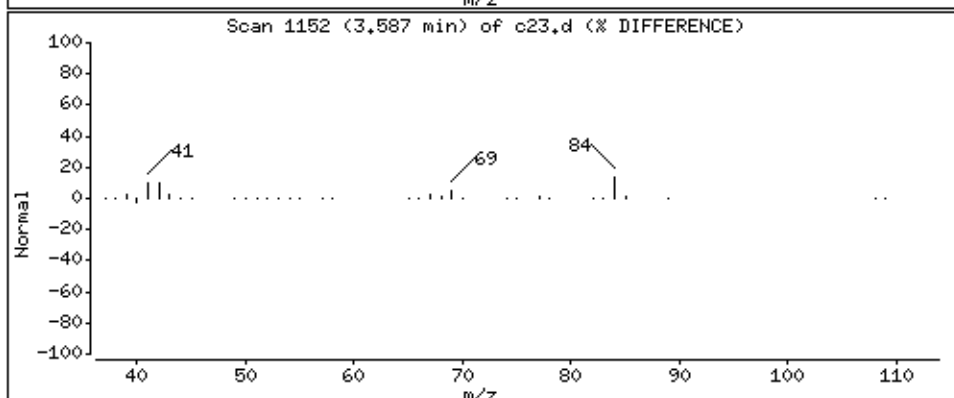
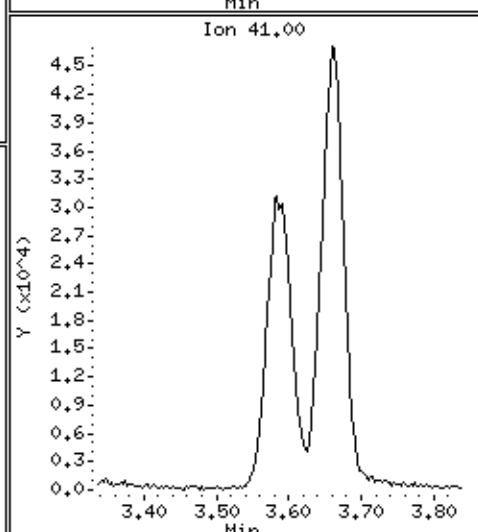
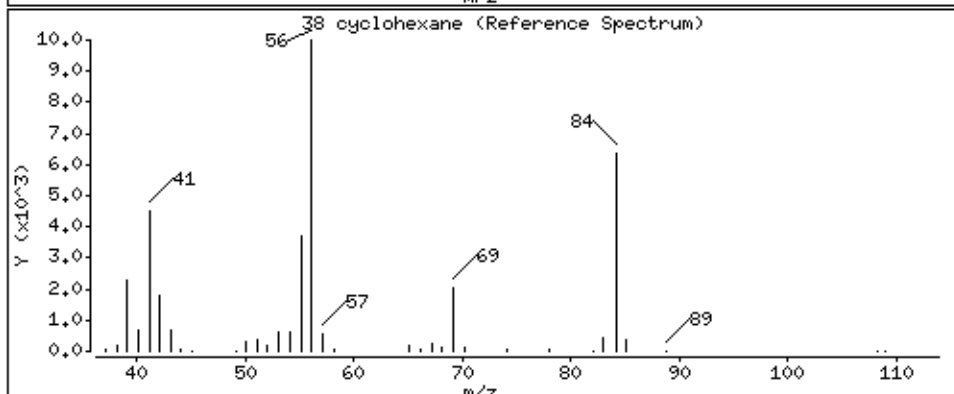
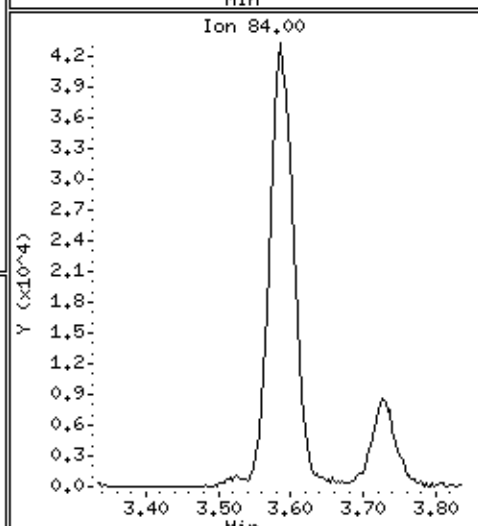
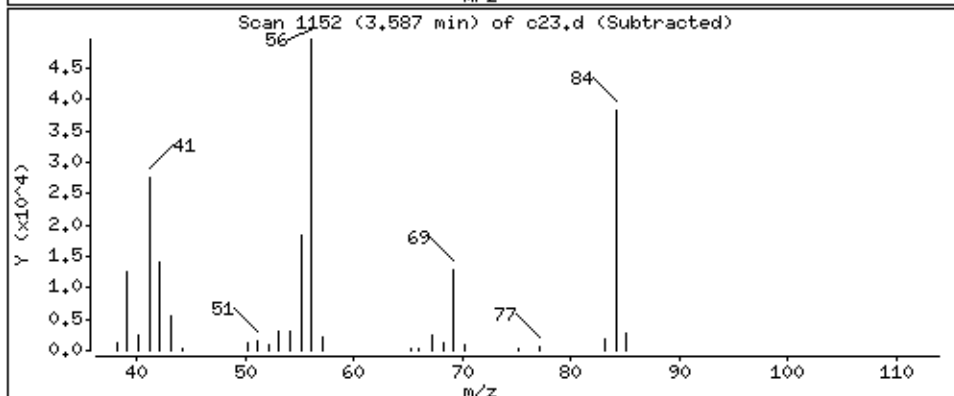
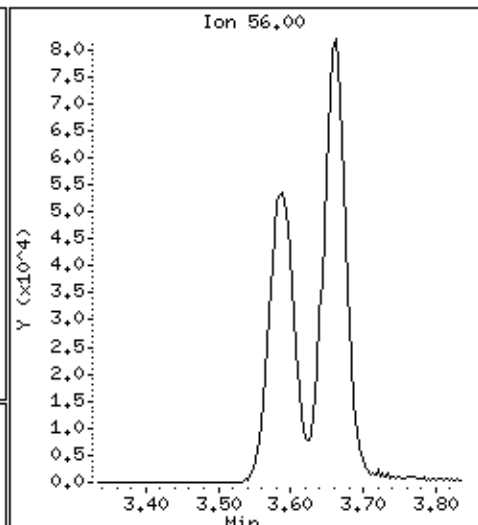
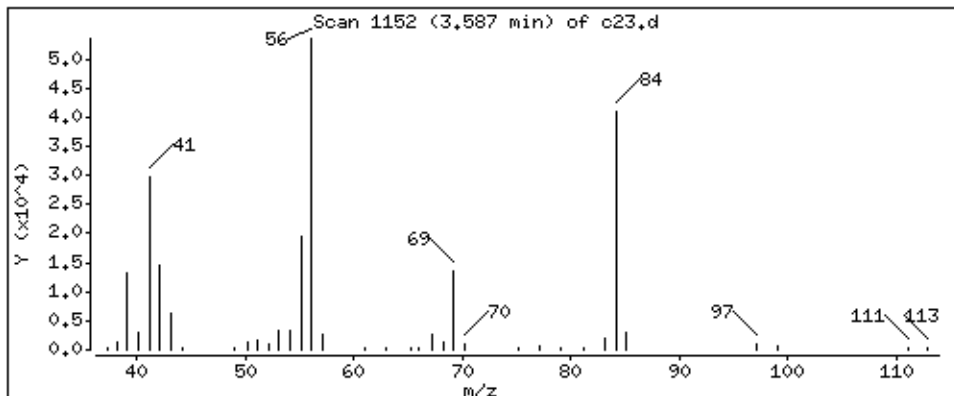
Operator: amv

Column phase: DB-624

Column diameter: 0,18

38 cyclohexane

Concentration: 39,6 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

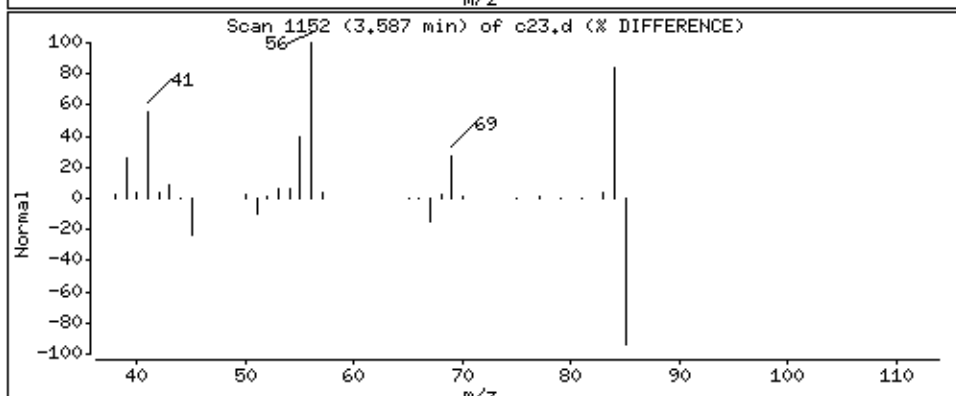
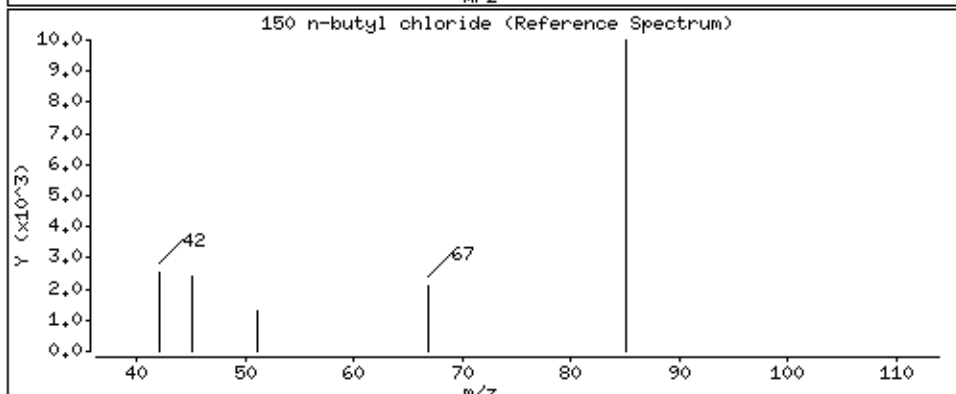
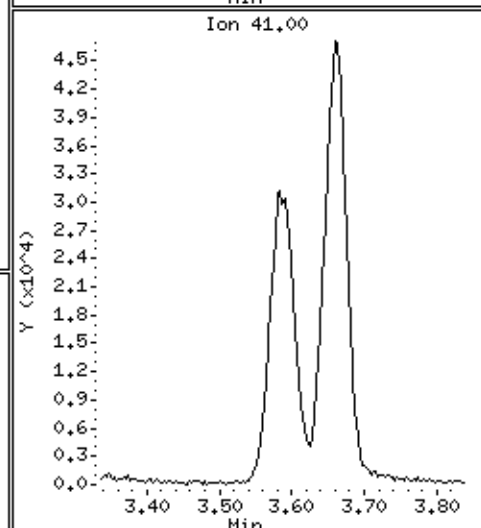
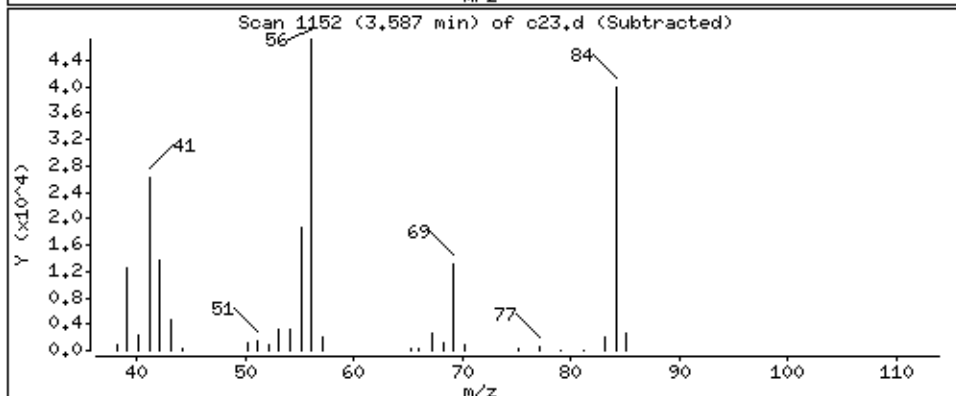
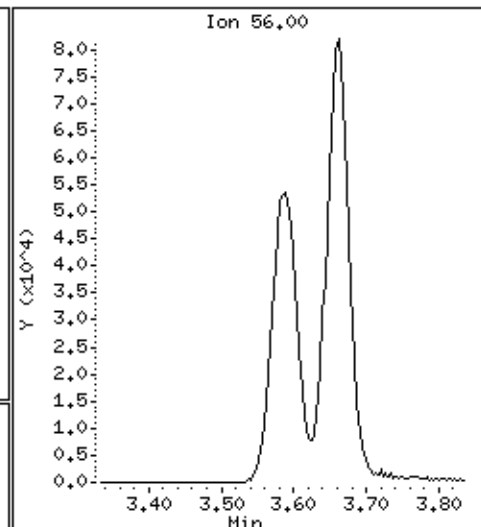
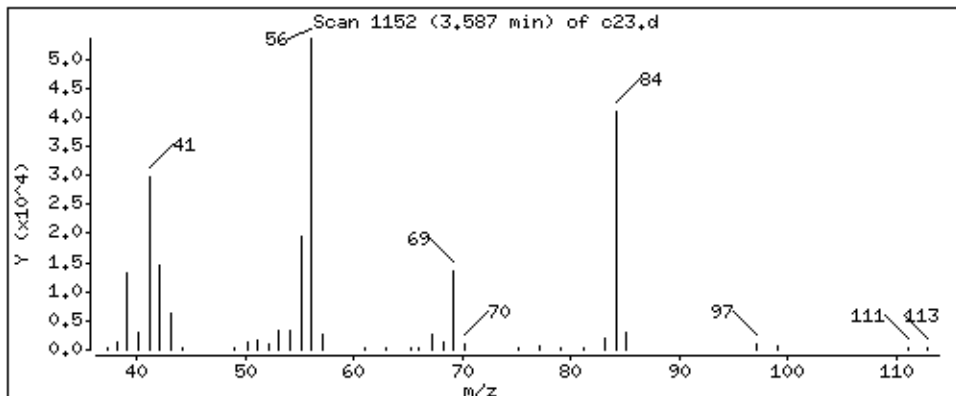
Operator: amv

Column phase: DB-624

Column diameter: 0,18

150 n-butyl chloride

Concentration: 34,4 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

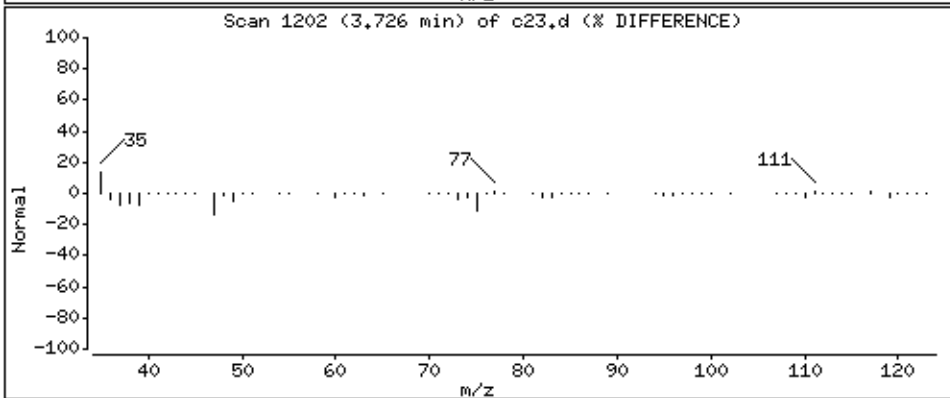
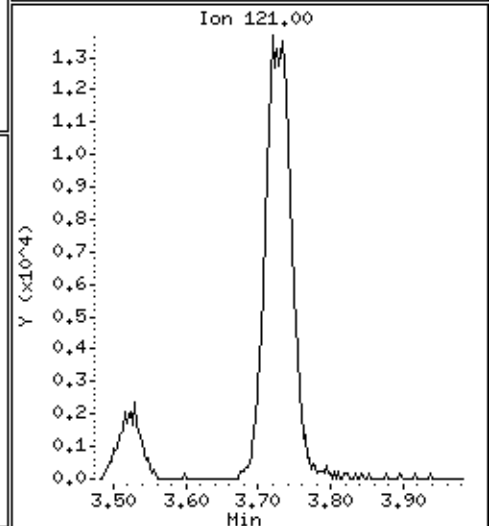
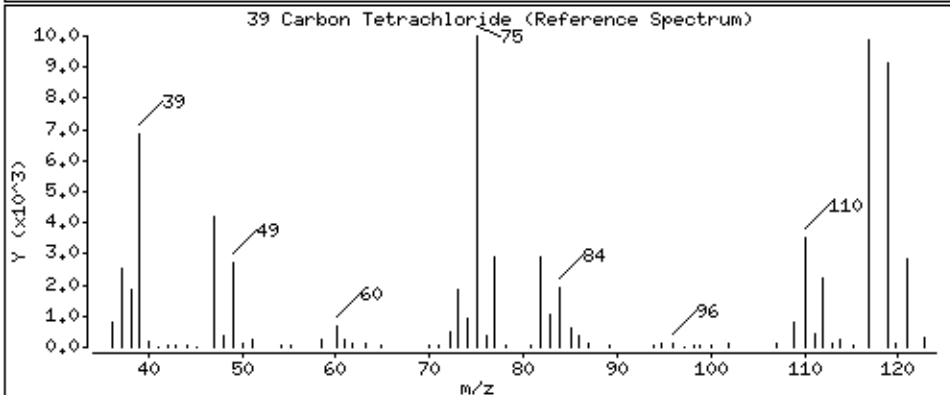
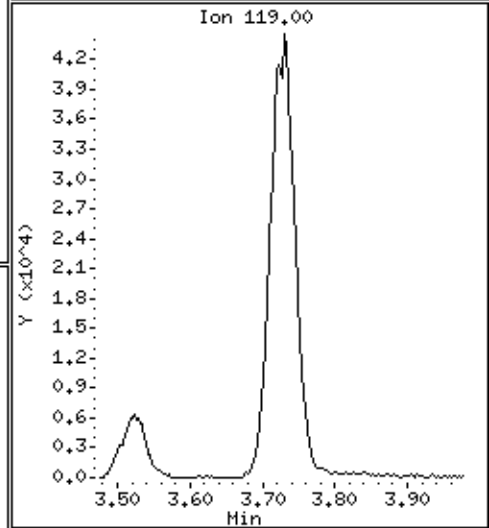
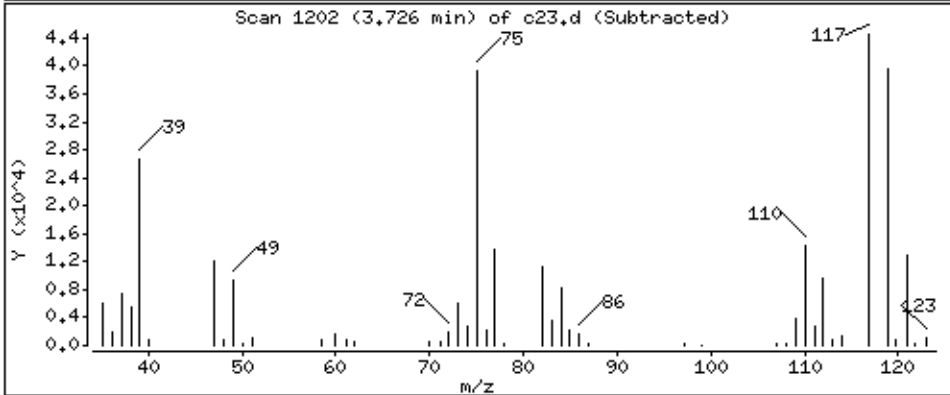
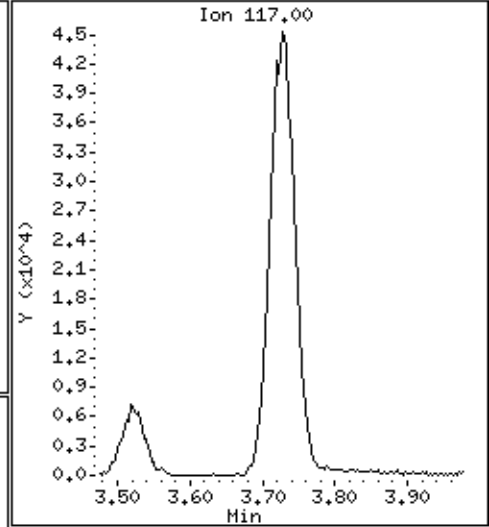
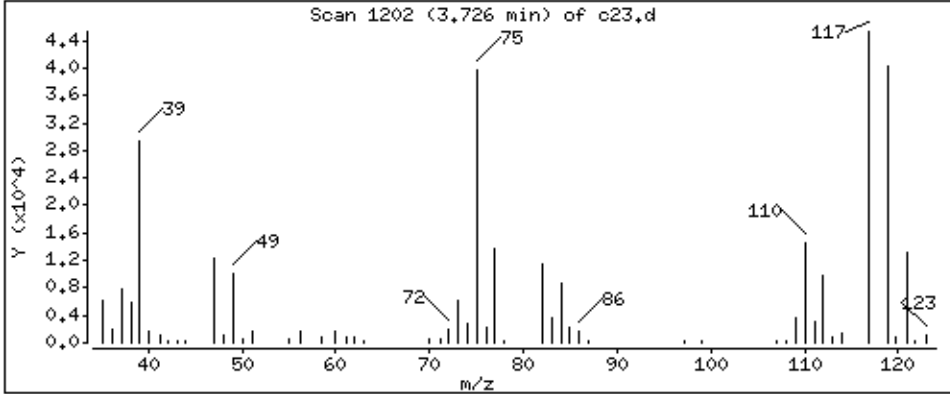
Operator: amv

Column phase: DB-624

Column diameter: 0,18

39 Carbon Tetrachloride

Concentration: 49.0 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

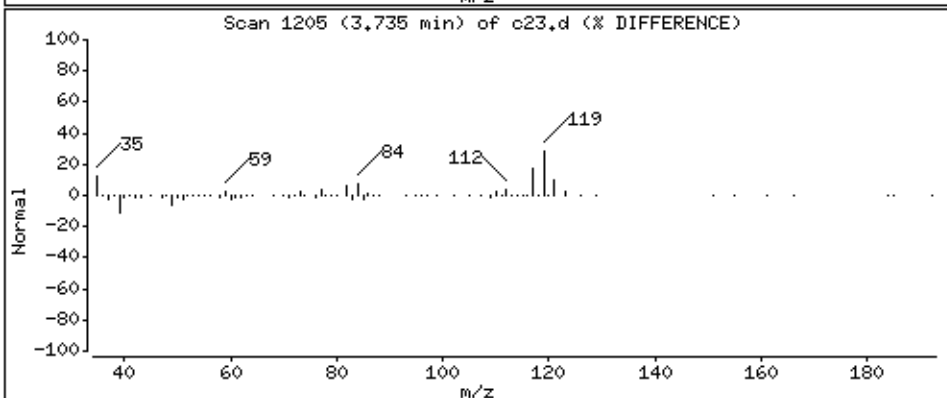
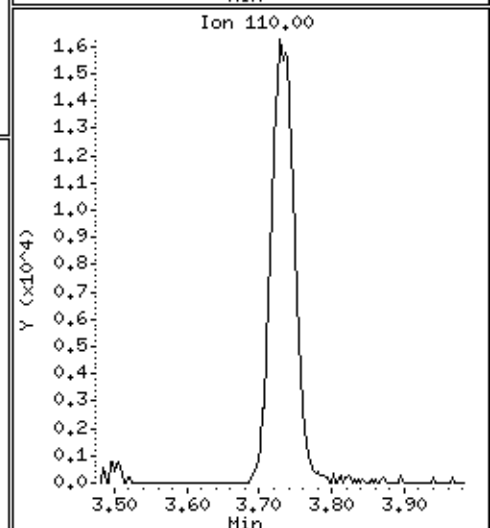
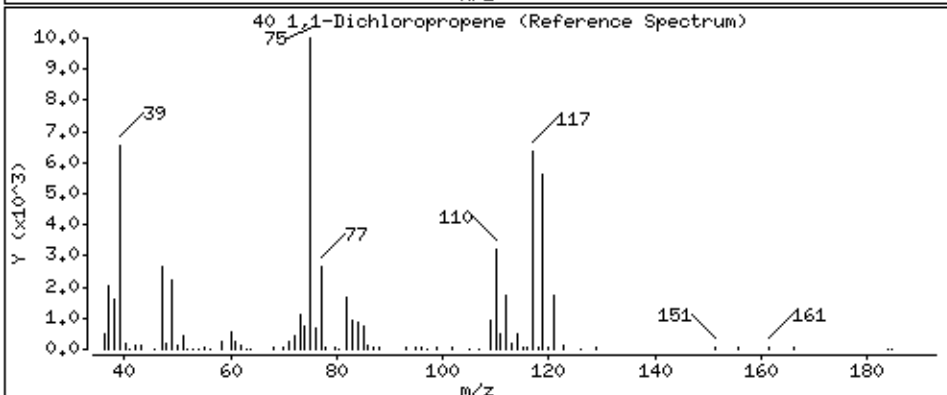
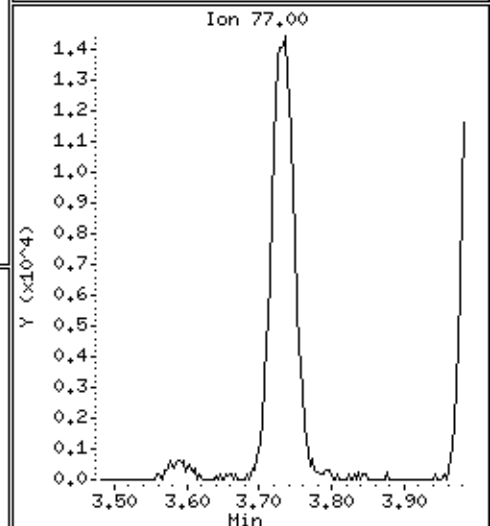
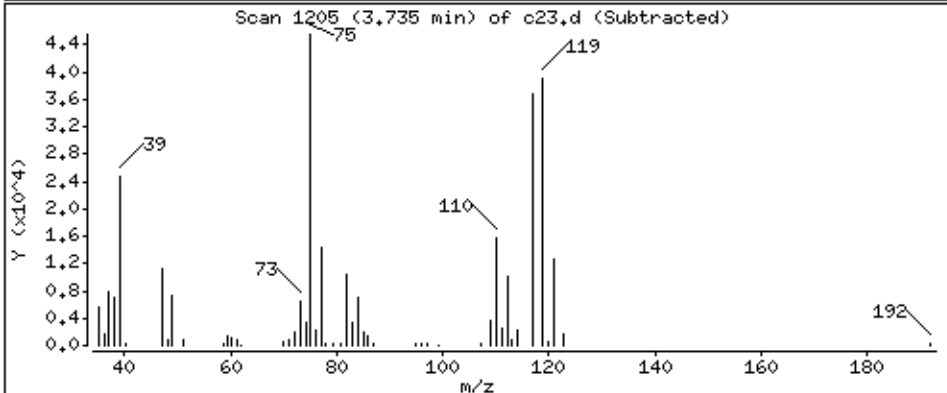
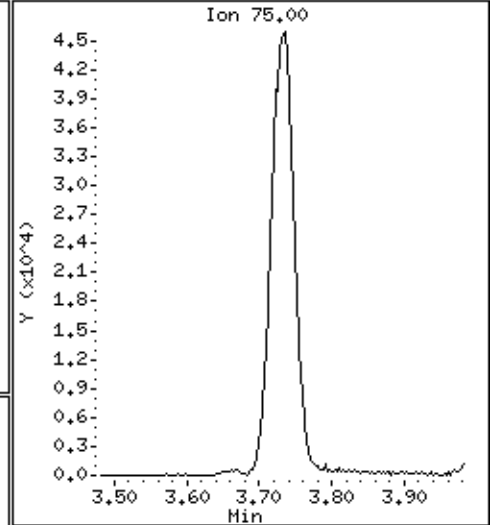
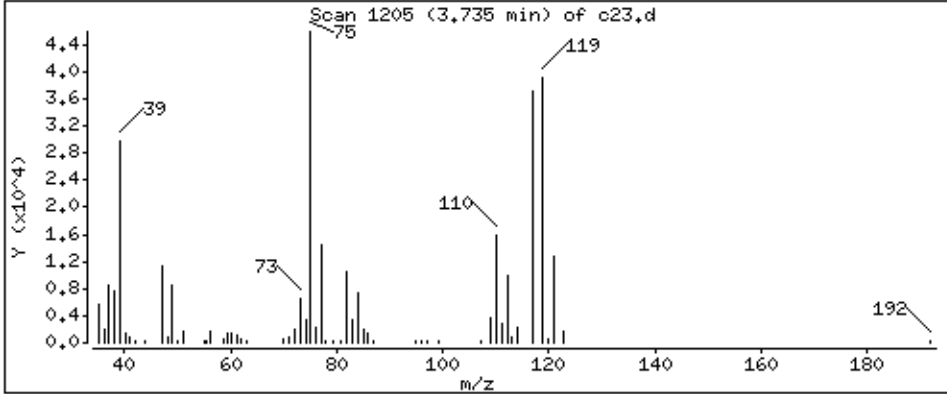
Operator: amv

Column phase: DB-624

Column diameter: 0,18

40 1,1-Dichloropropene

Concentration: 50,5 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

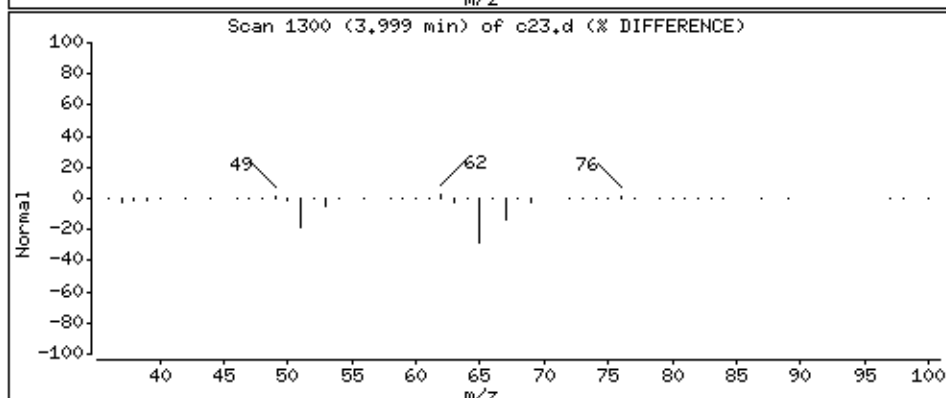
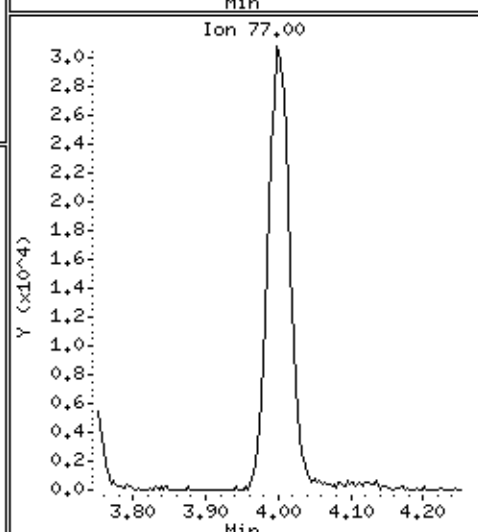
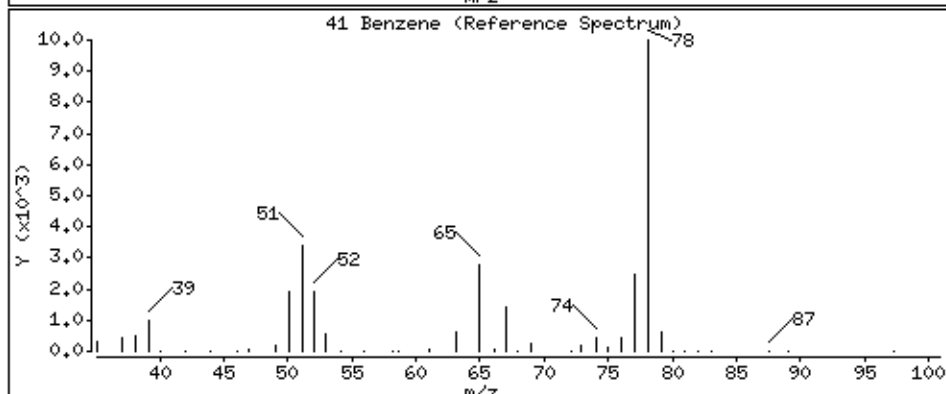
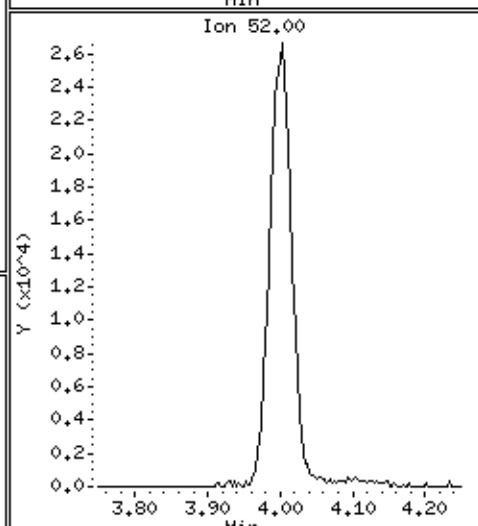
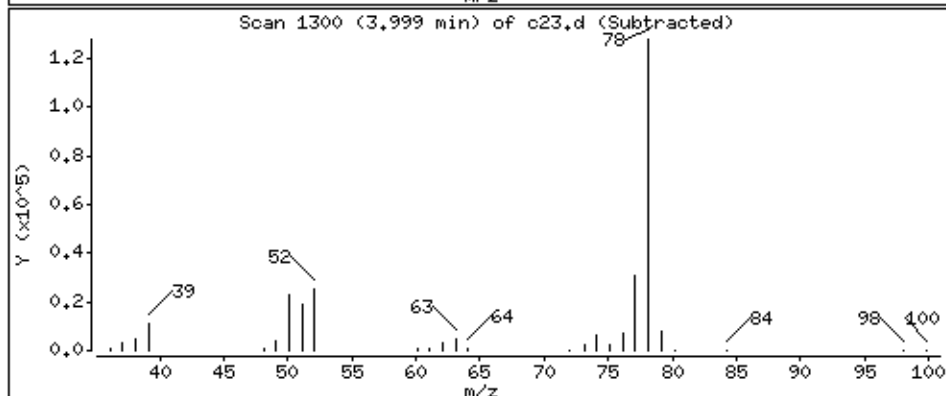
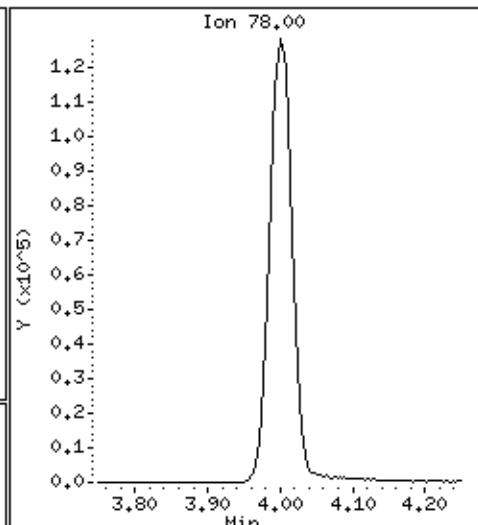
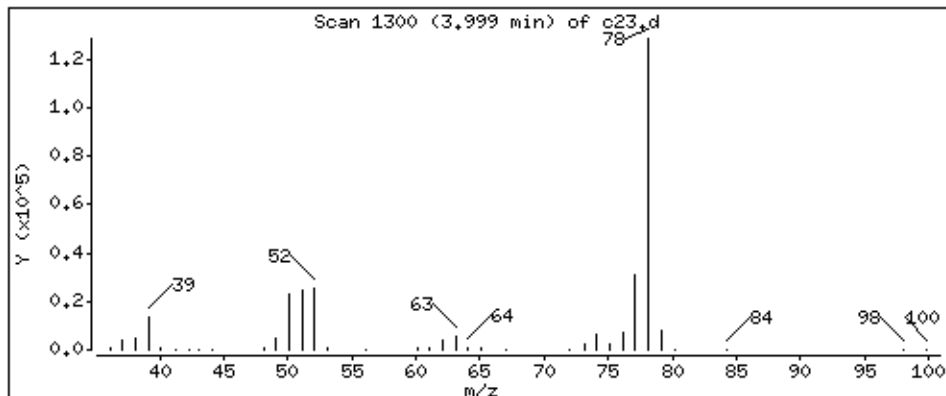
Operator: amv

Column phase: DB-624

Column diameter: 0,18

41 Benzene

Concentration: 49,1 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

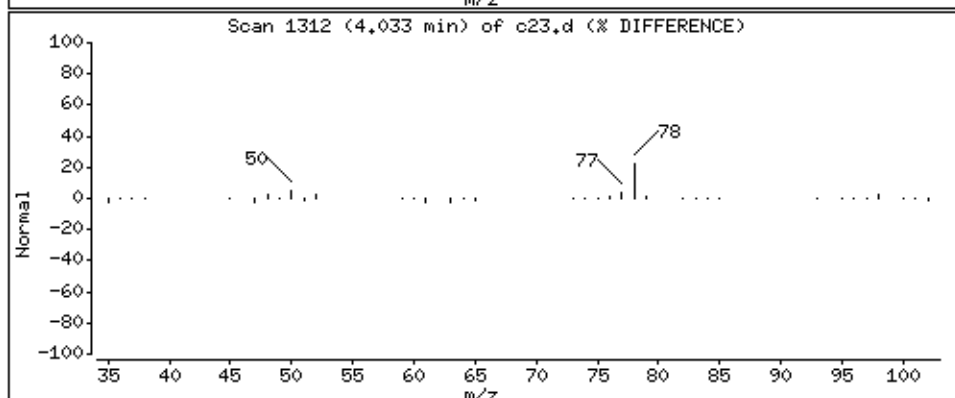
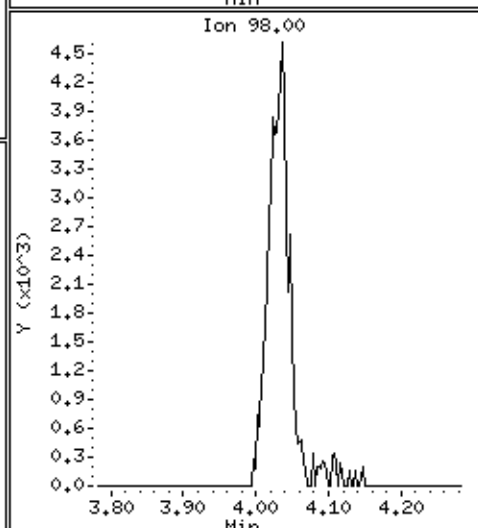
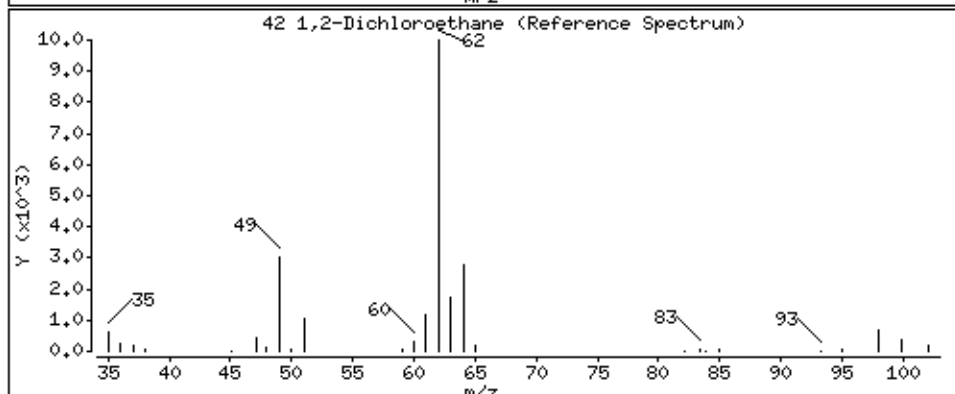
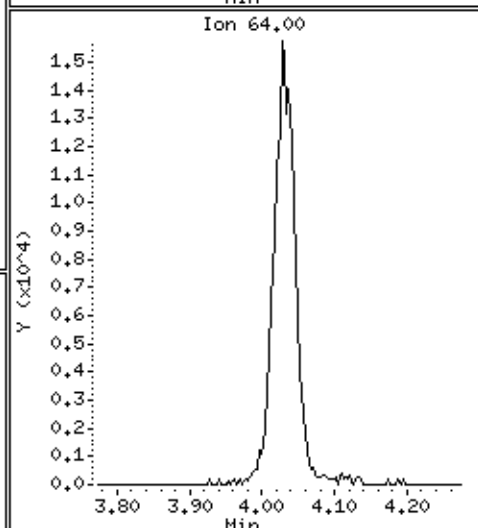
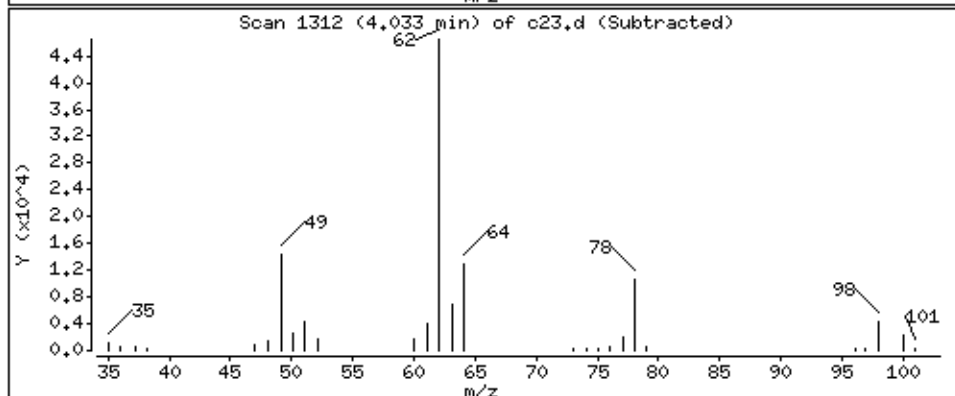
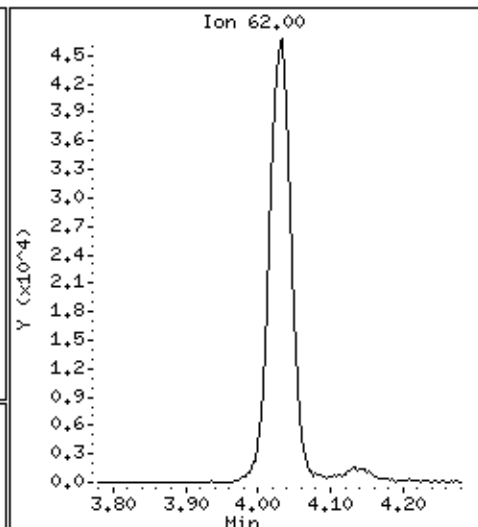
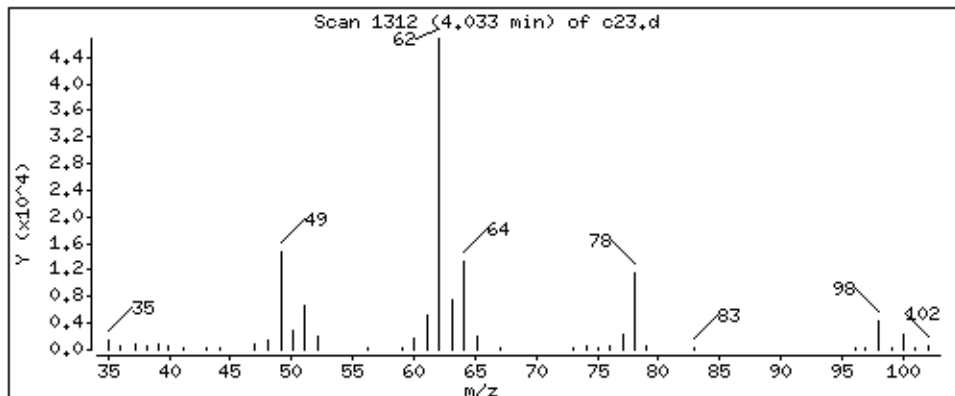
Operator: amv

Column phase: DB-624

Column diameter: 0,18

42 1,2-Dichloroethane

Concentration: 46,8 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

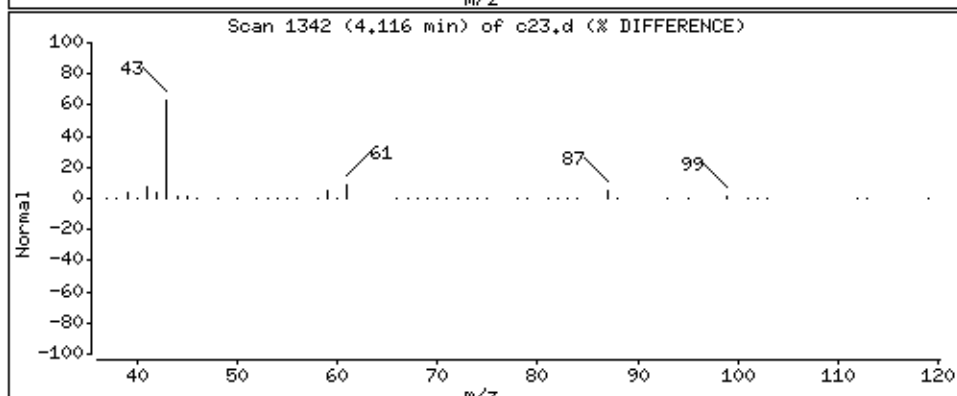
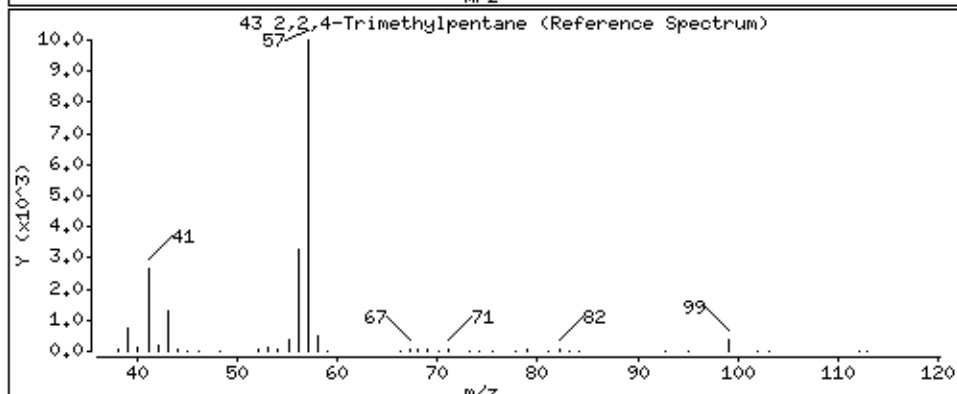
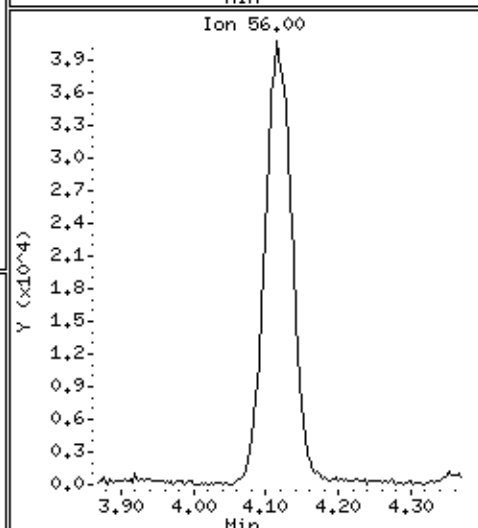
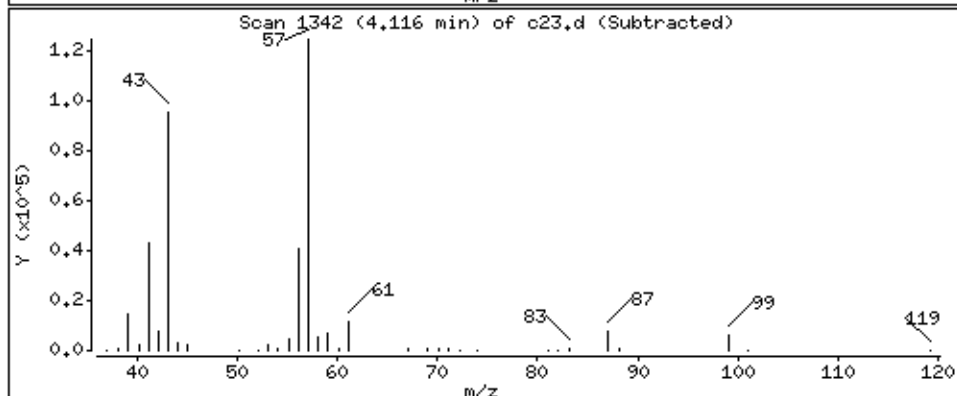
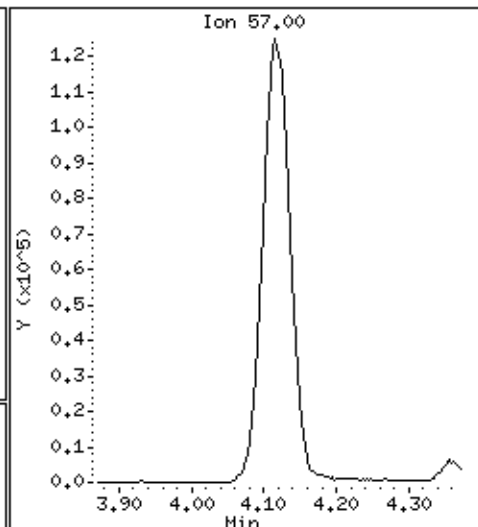
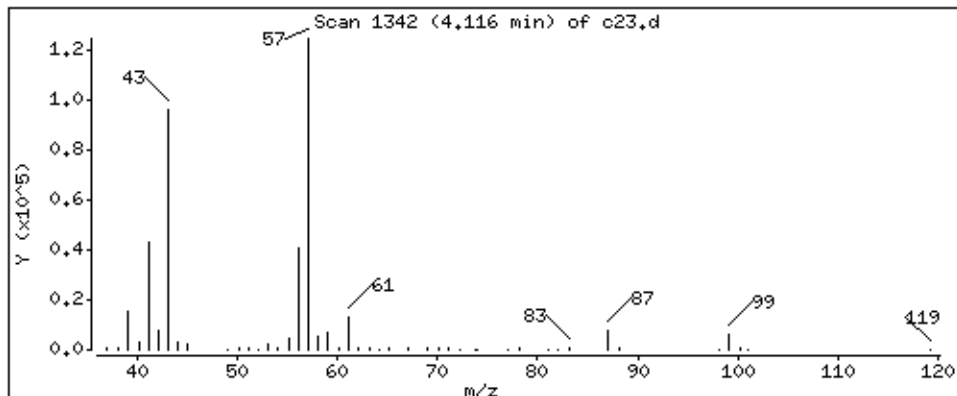
Operator: amv

Column phase: DB-624

Column diameter: 0,18

43 2,2,4-Trimethylpentane

Concentration: 50,7 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

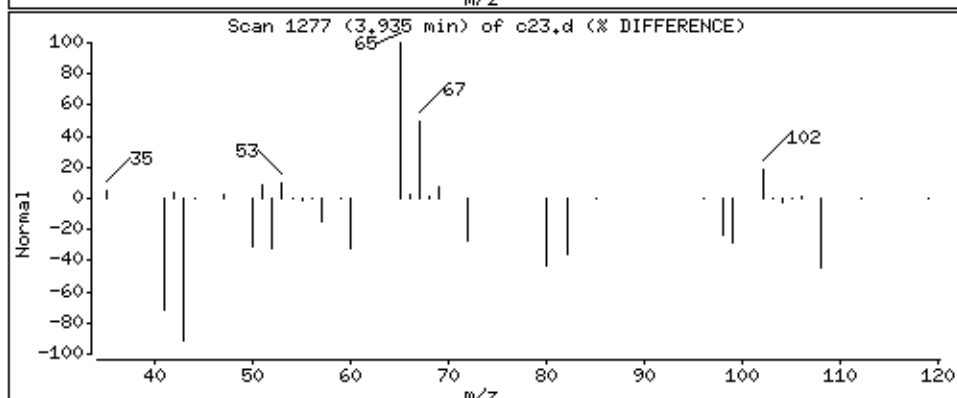
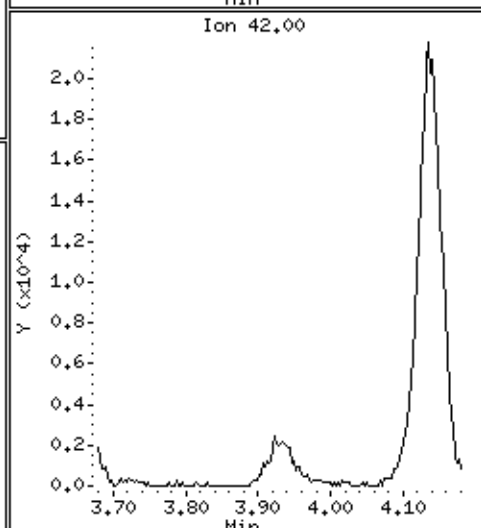
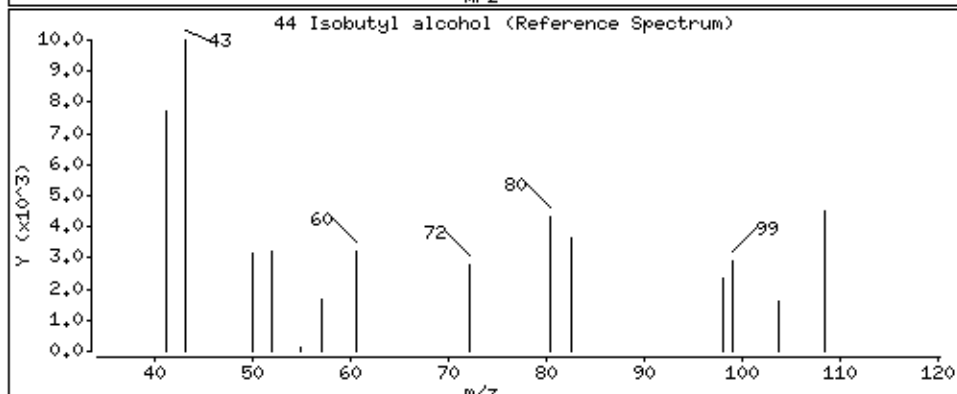
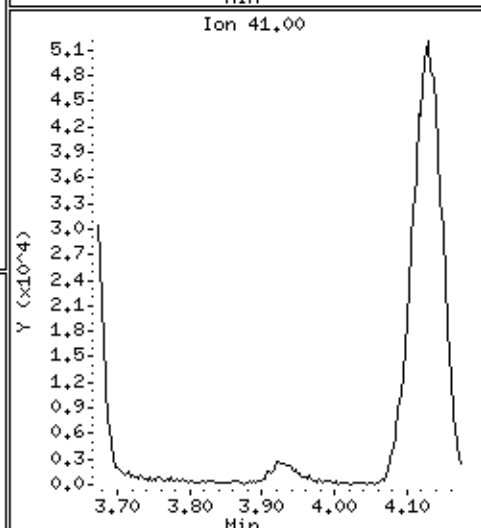
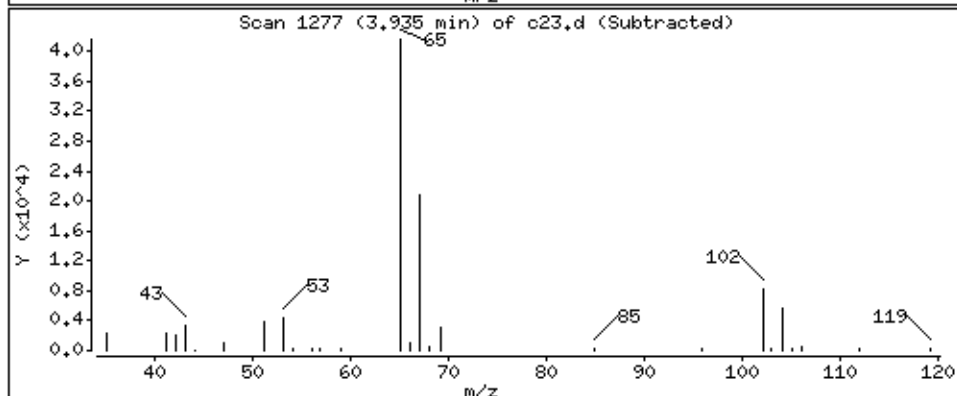
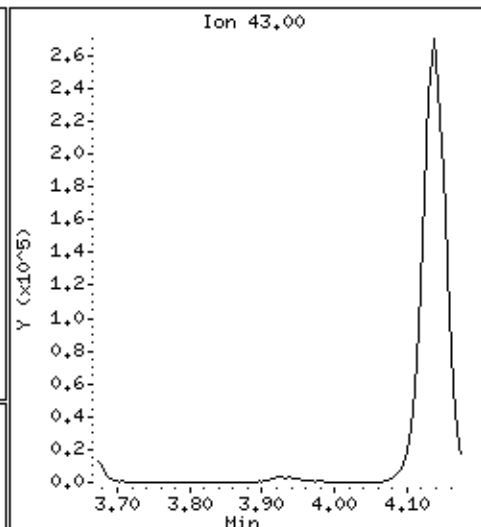
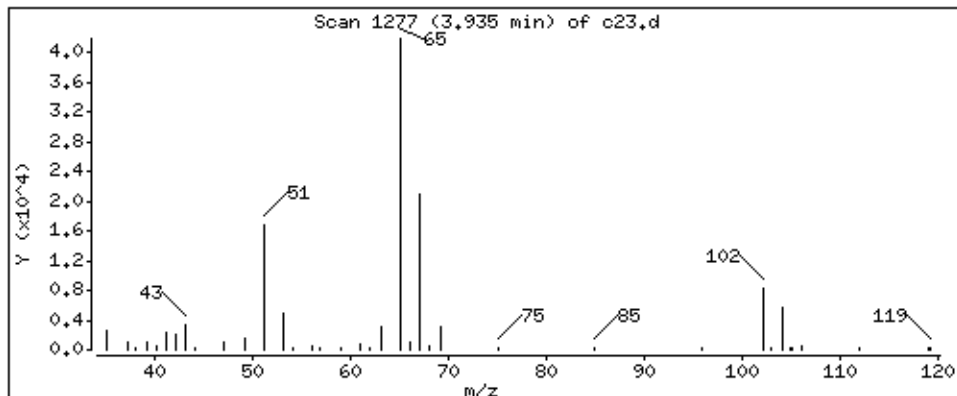
Operator: amv

Column phase: DB-624

Column diameter: 0,18

44 Isobutyl alcohol

Concentration: 218 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mw2a.i

Sample Info: msd

Purge Volume: 5.0

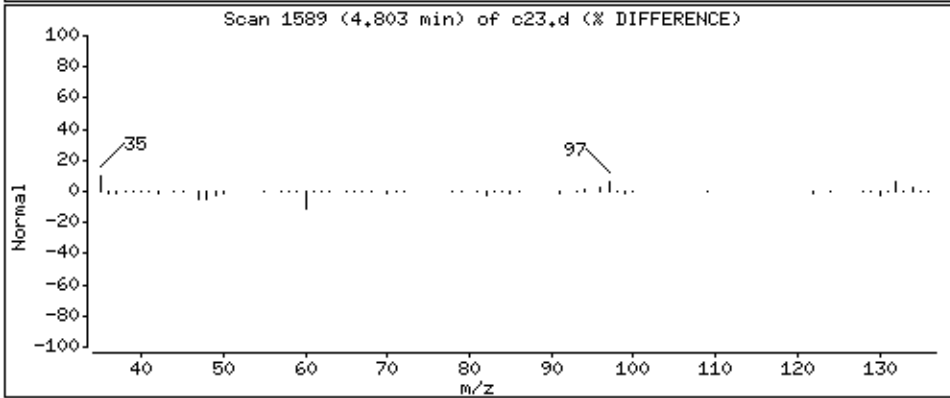
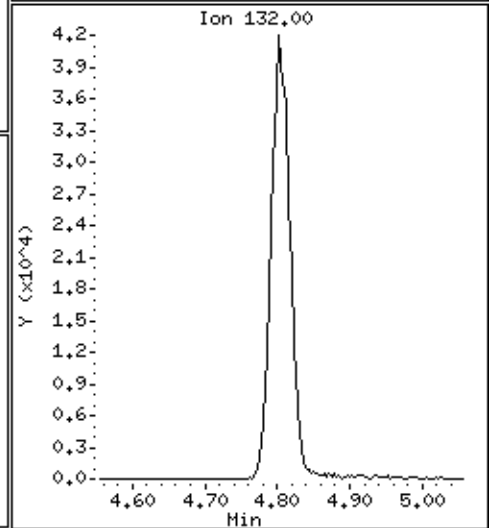
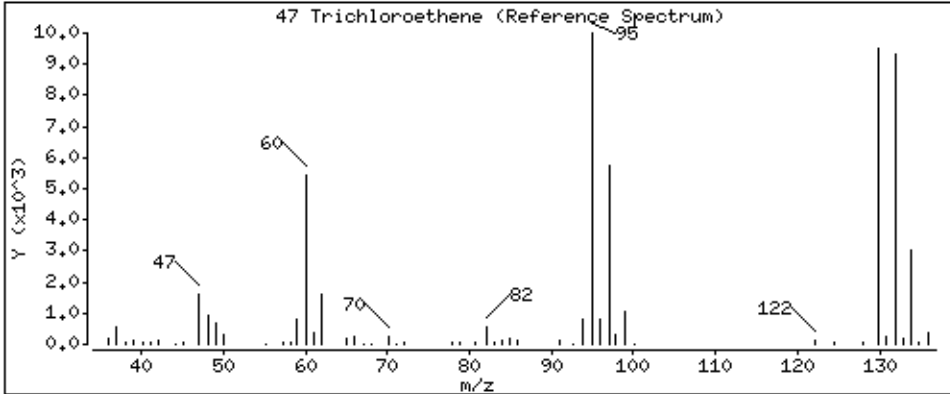
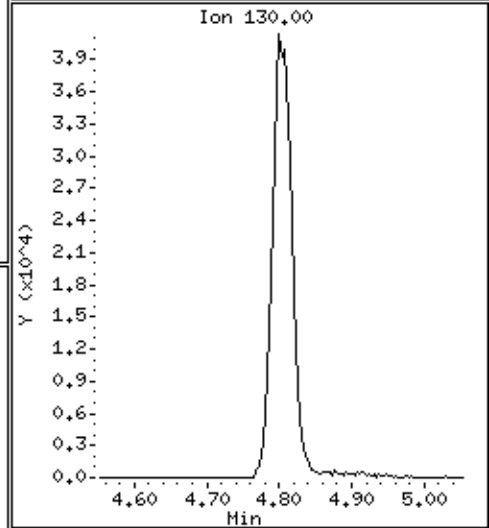
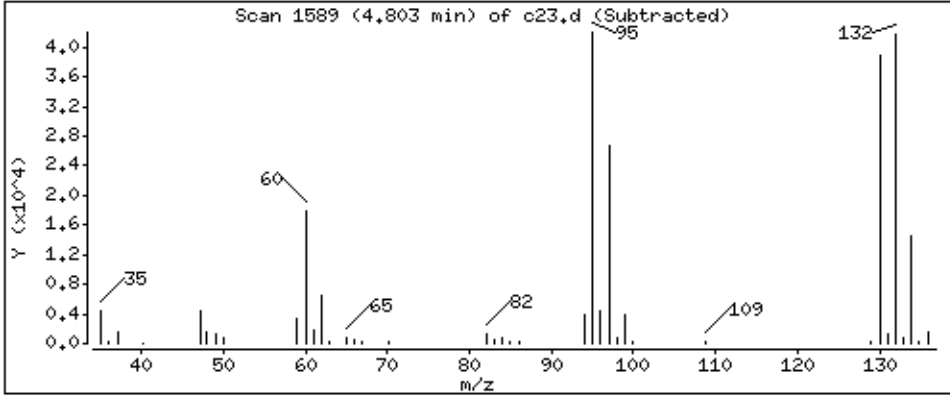
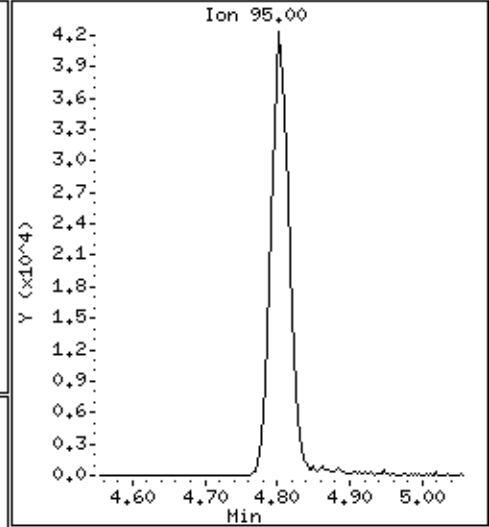
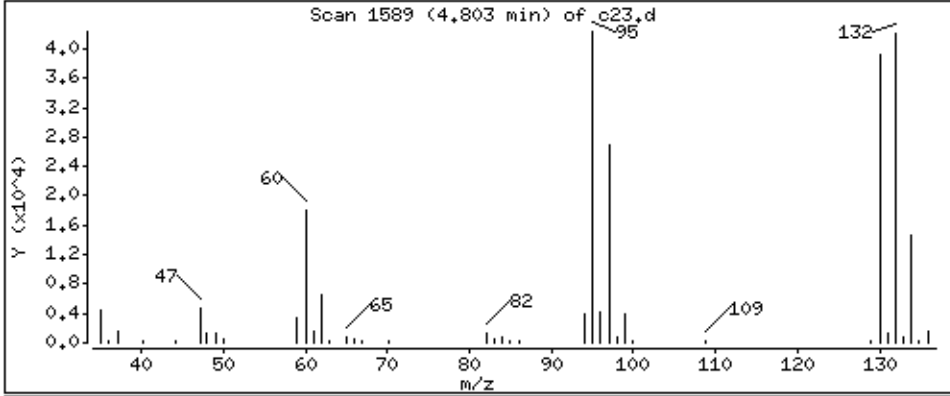
Operator: amv

Column phase: DB-624

Column diameter: 0,18

47 Trichloroethene

Concentration: 46,4 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

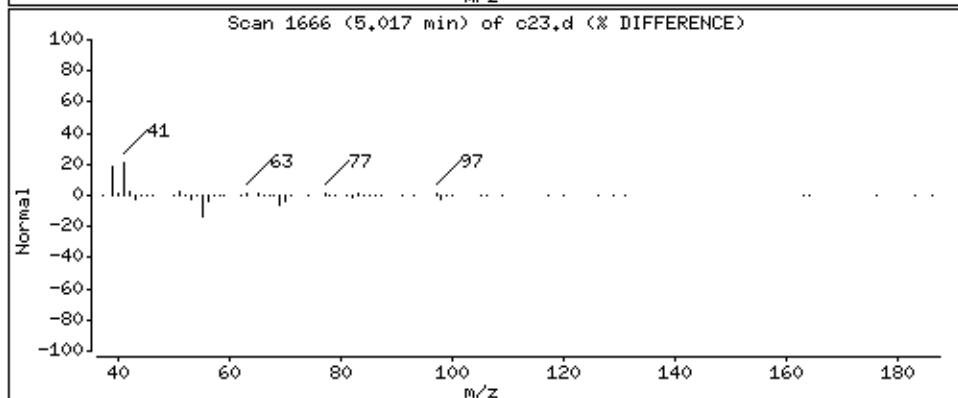
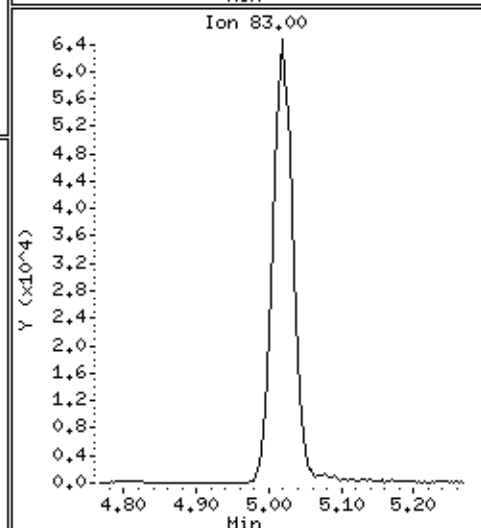
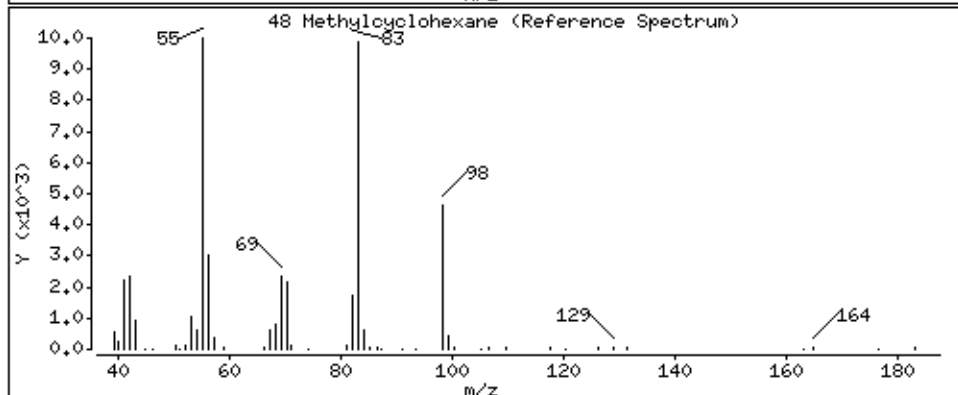
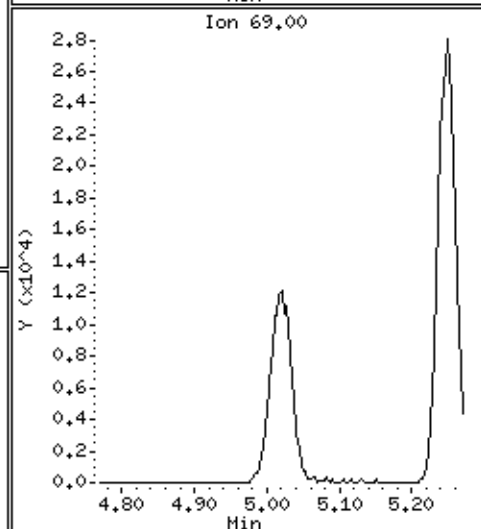
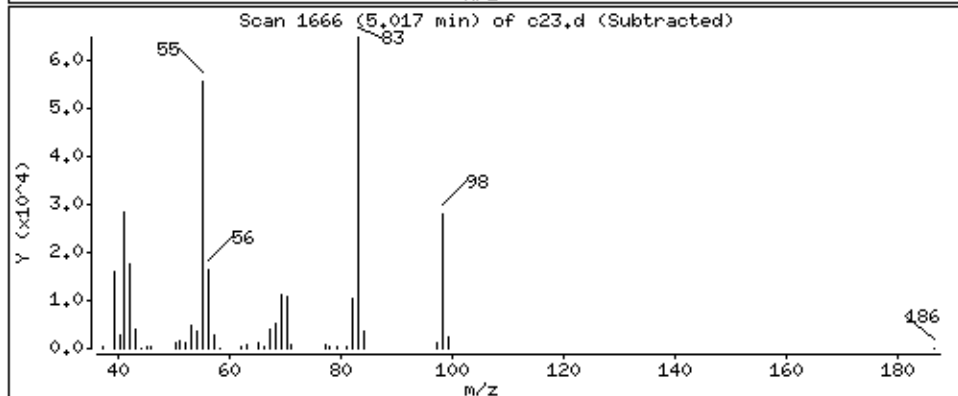
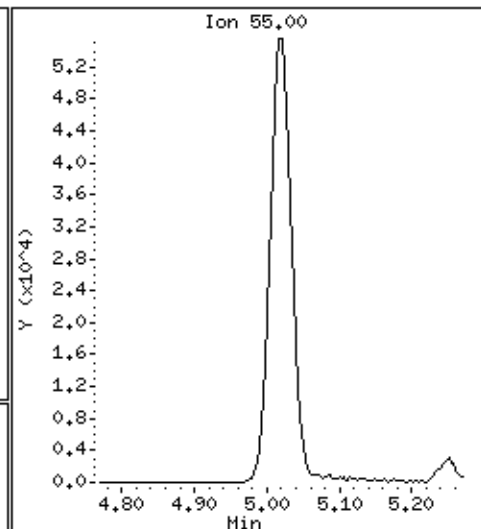
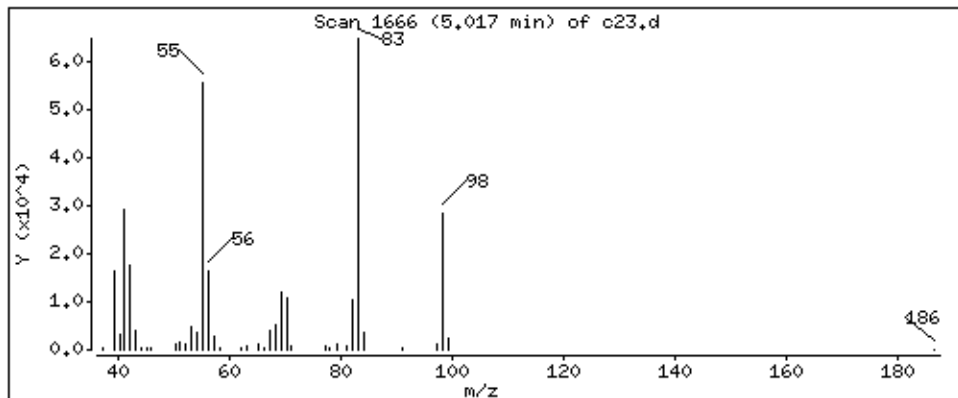
Operator: amv

Column phase: DB-624

Column diameter: 0,18

48 Methylcyclohexane

Concentration: 42.1 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

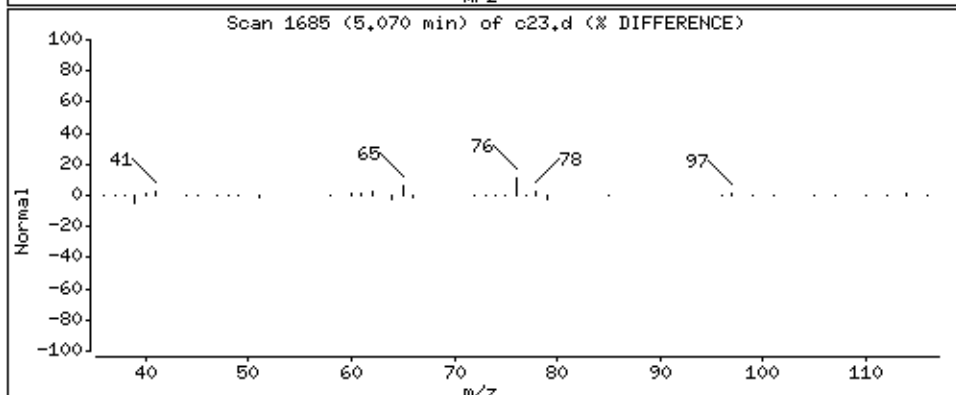
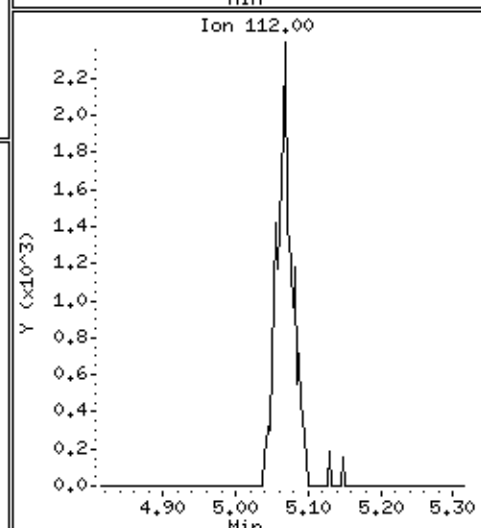
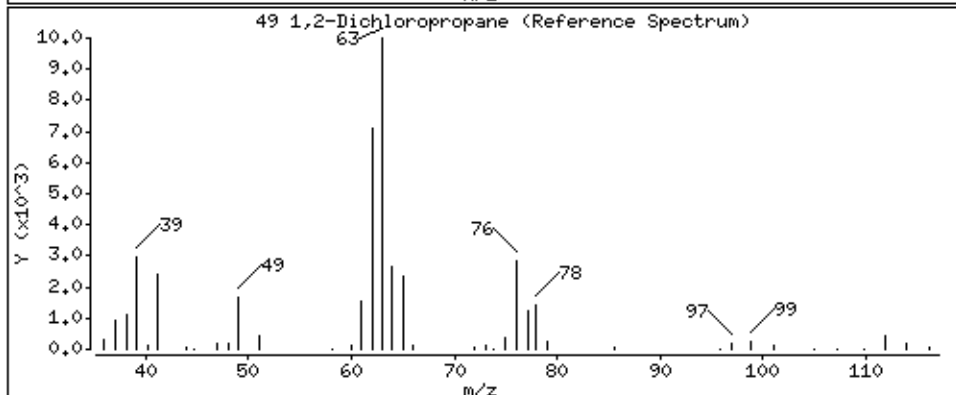
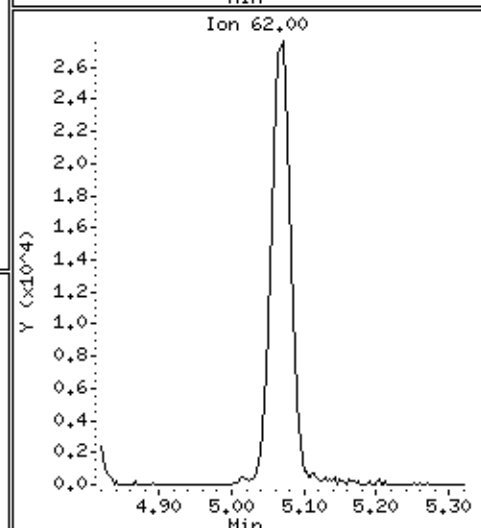
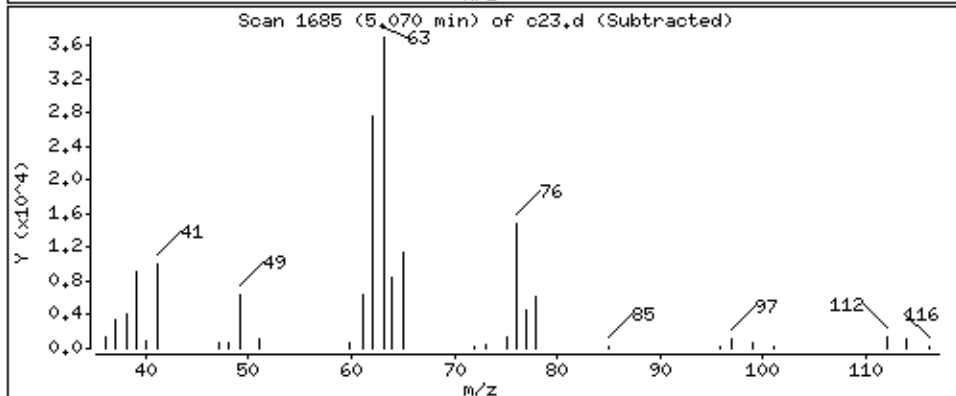
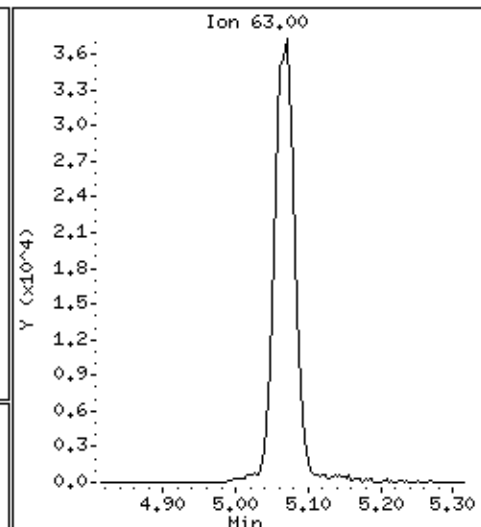
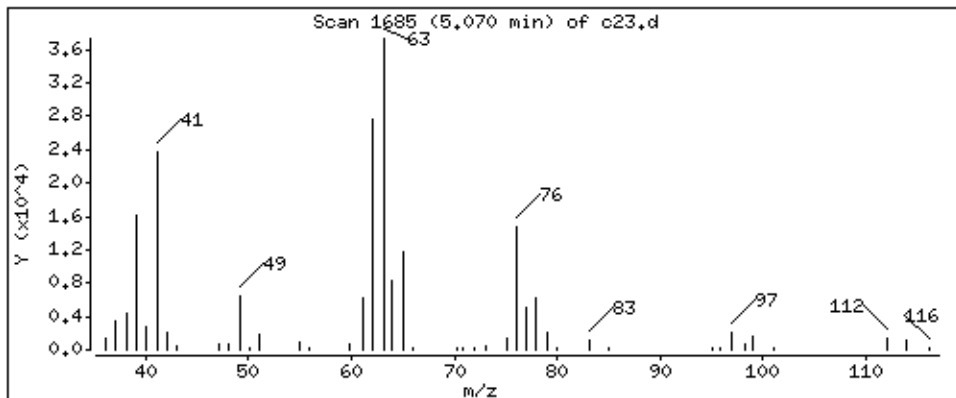
Operator: amv

Column phase: DB-624

Column diameter: 0,18

49 1,2-Dichloropropane

Concentration: 48,4 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

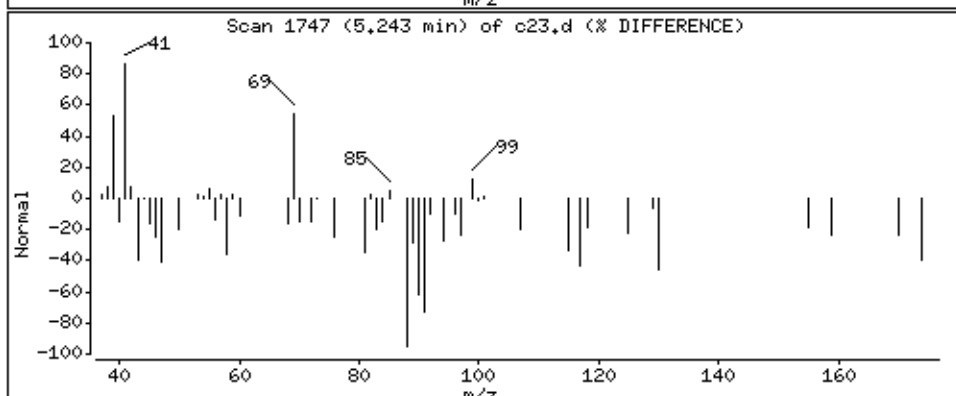
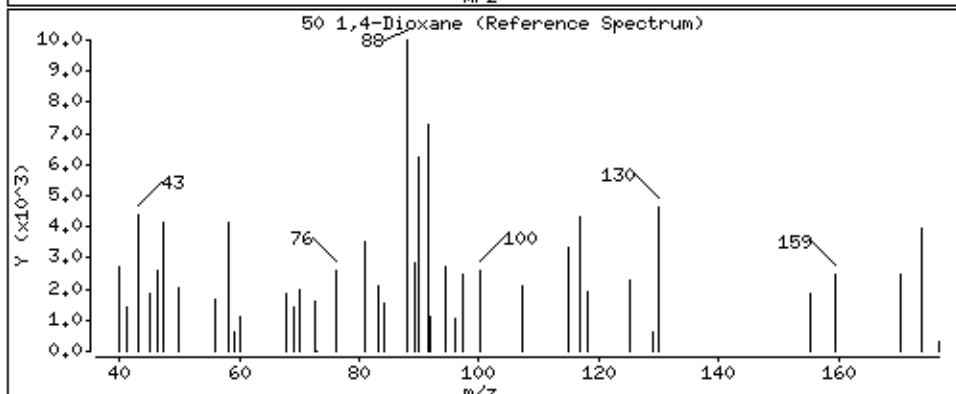
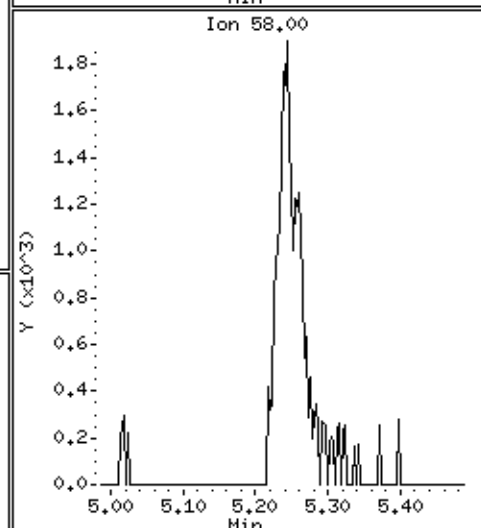
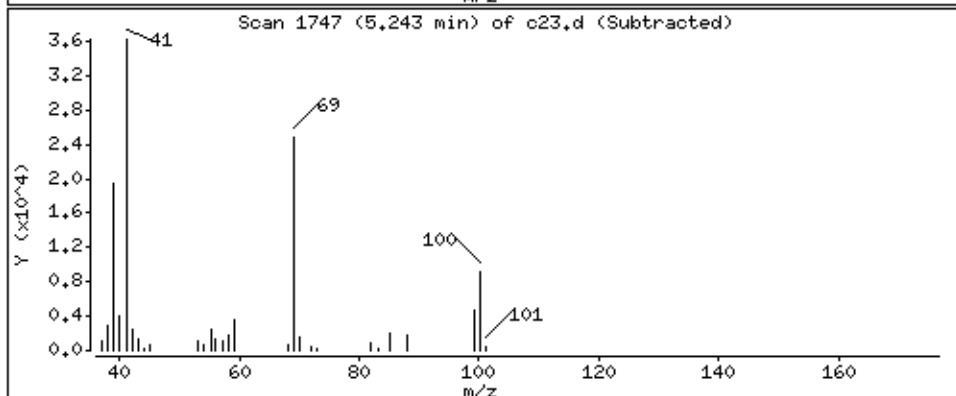
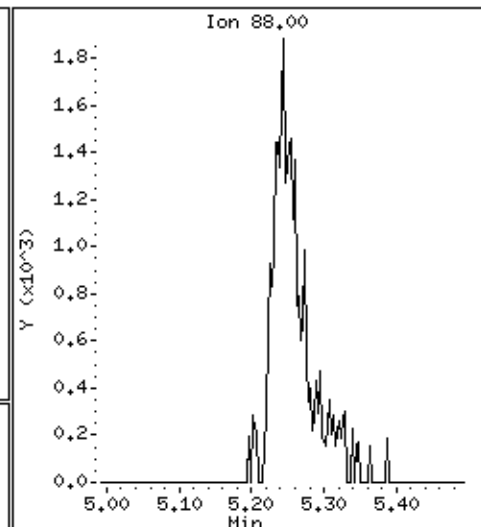
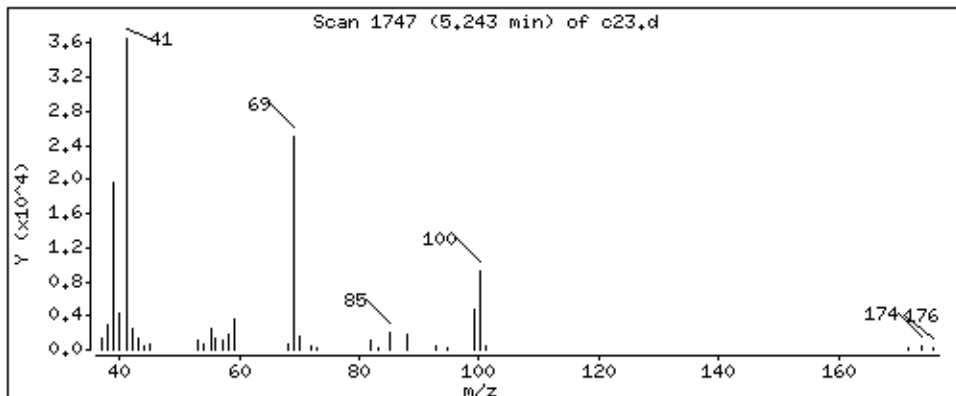
Operator: amv

Column phase: DB-624

Column diameter: 0.18

50 1,4-Dioxane

Concentration: 1000 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

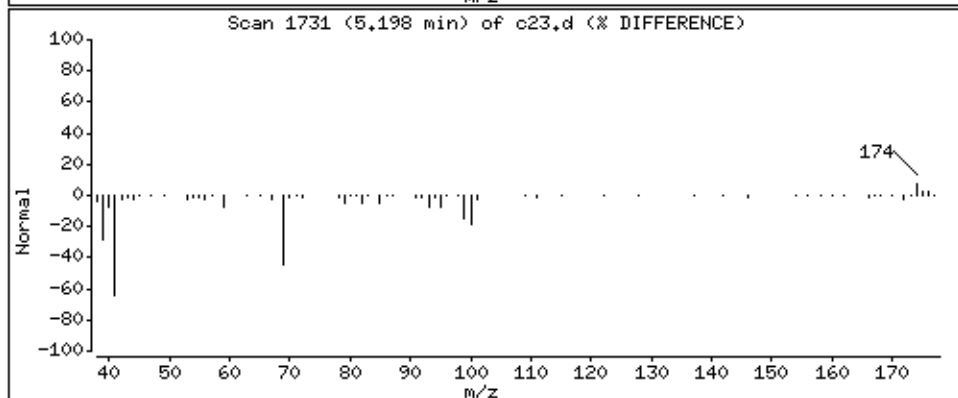
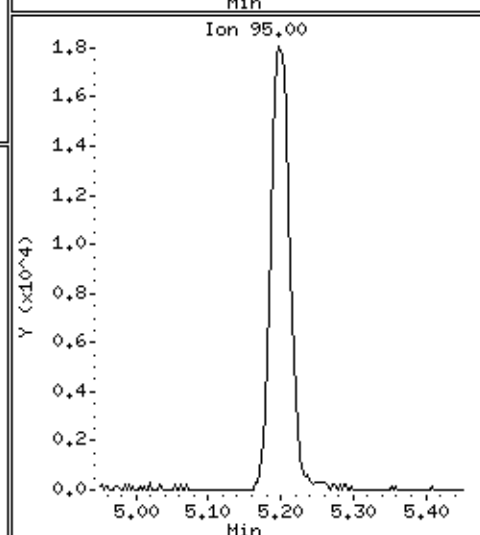
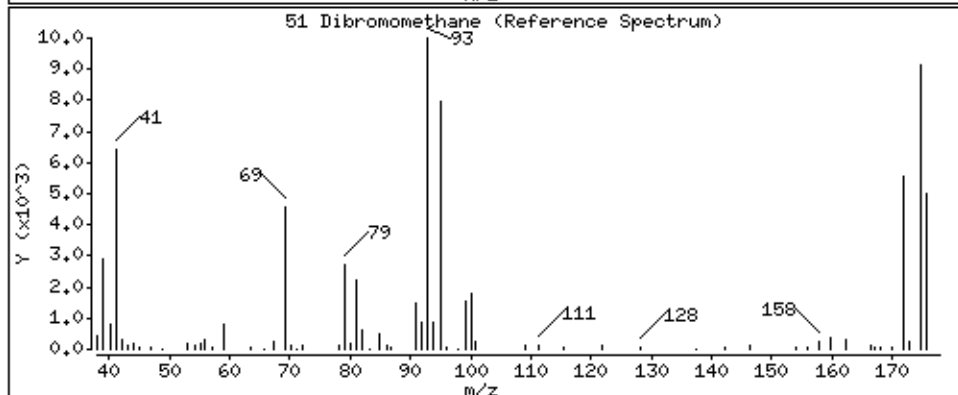
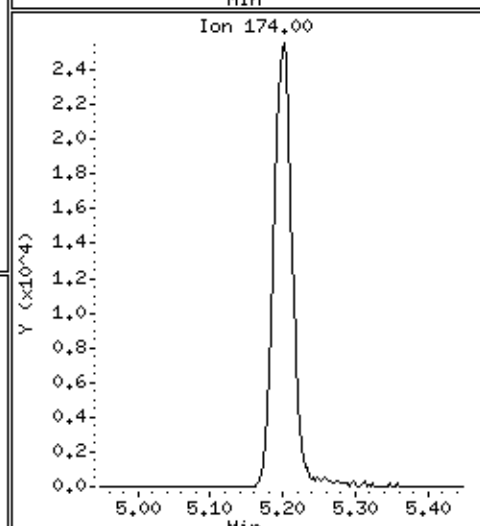
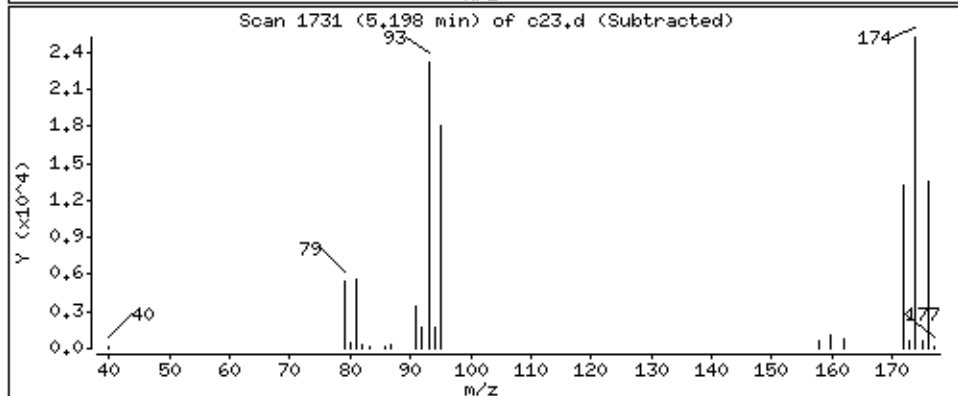
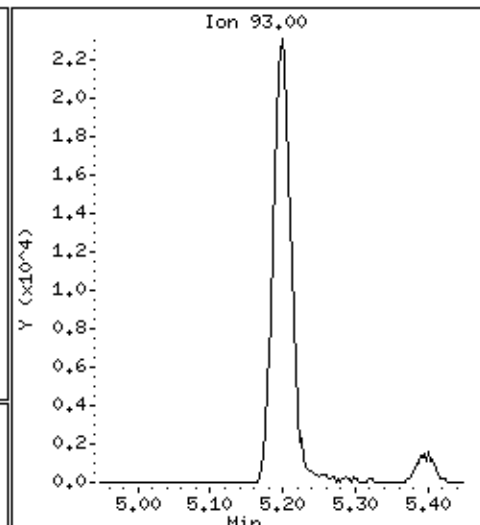
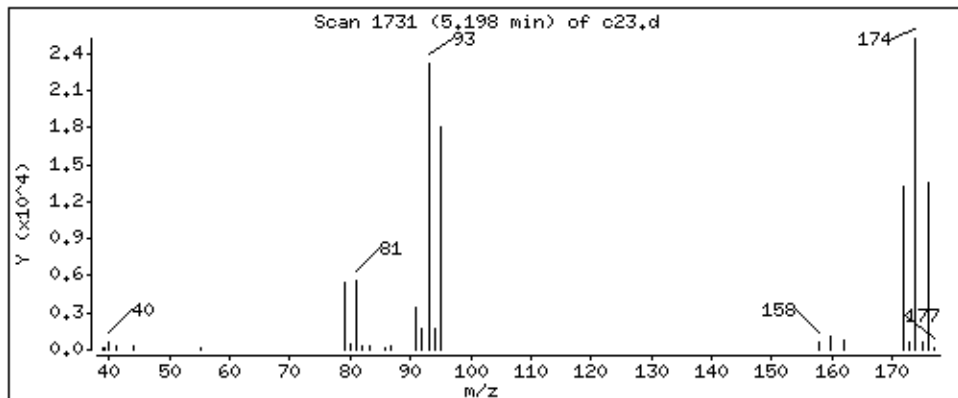
Operator: amv

Column phase: DB-624

Column diameter: 0.18

51 Dibromomethane

Concentration: 49.5 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

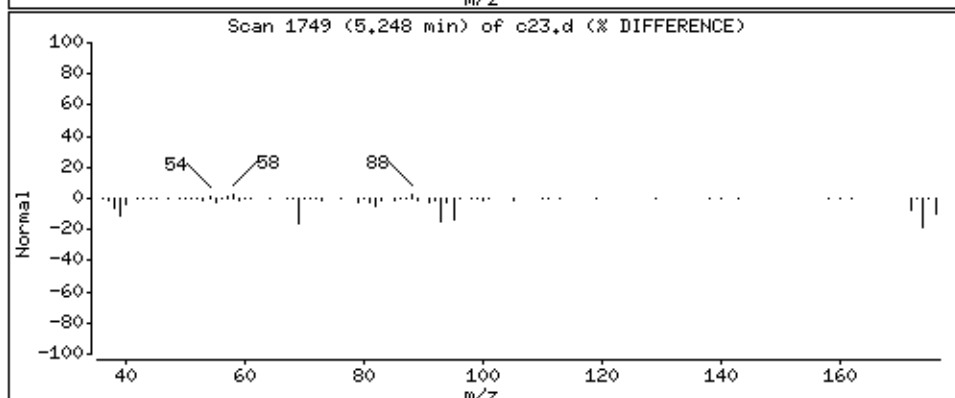
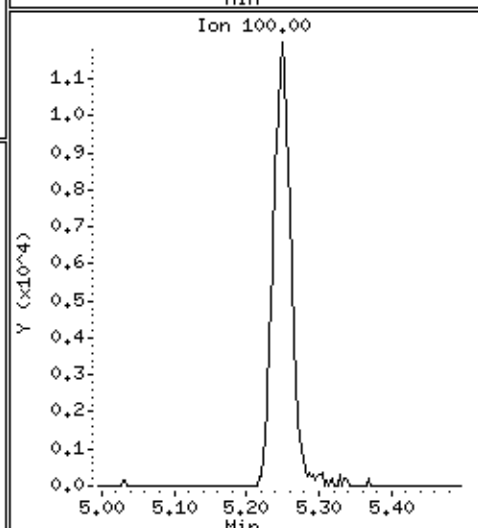
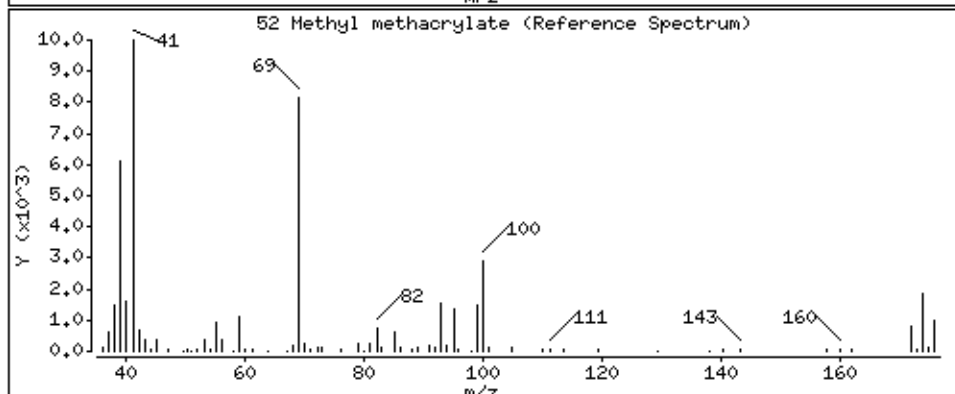
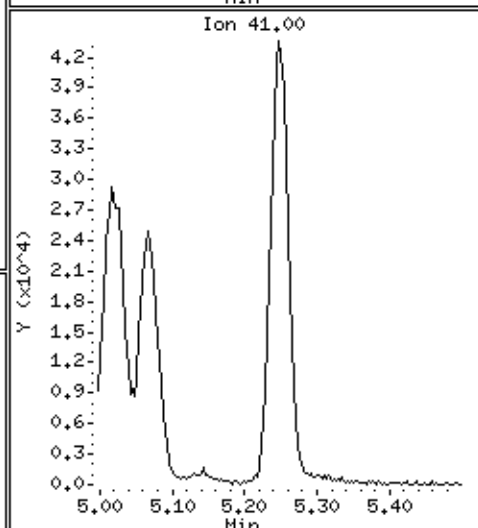
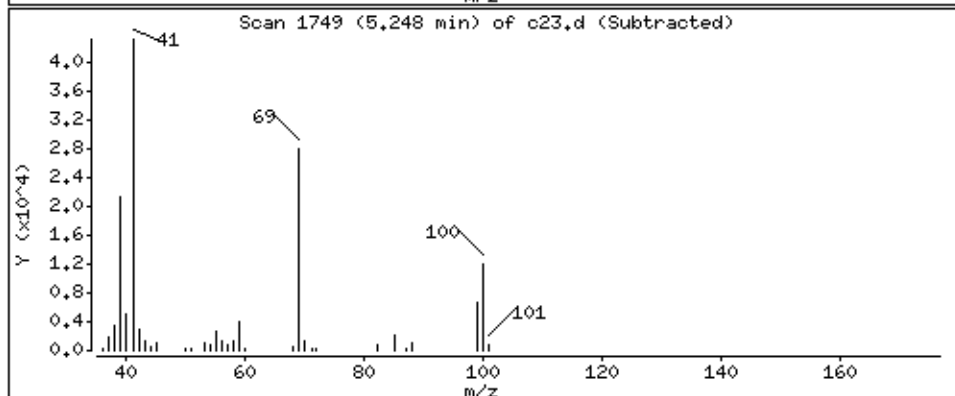
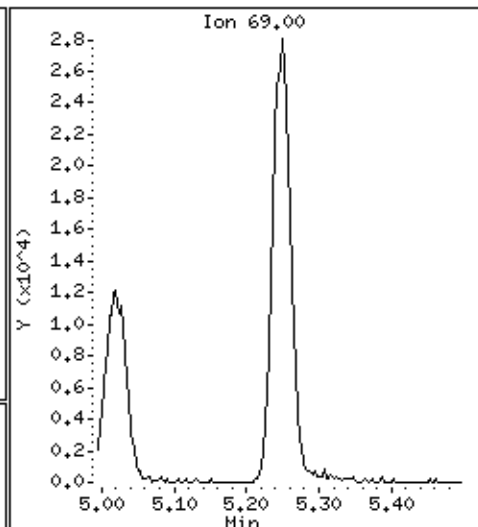
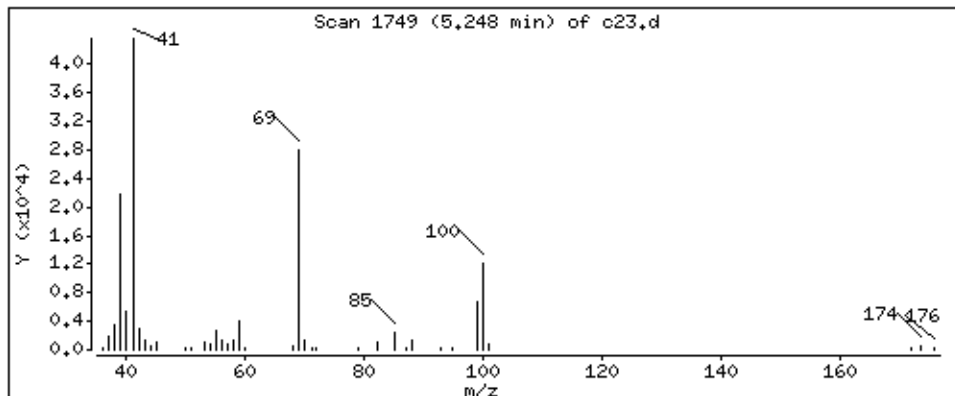
Operator: amv

Column phase: DB-624

Column diameter: 0,18

52 Methyl methacrylate

Concentration: 43,1 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mw2a.i

Sample Info: msd

Purge Volume: 5.0

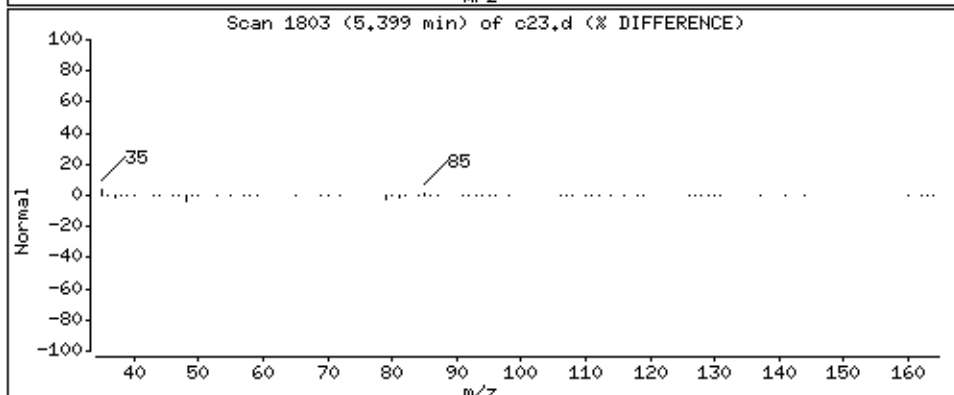
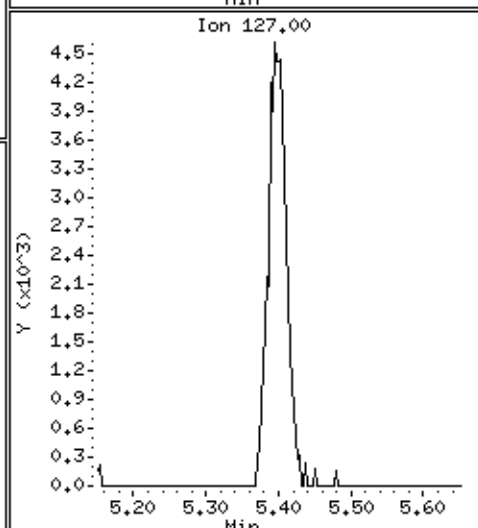
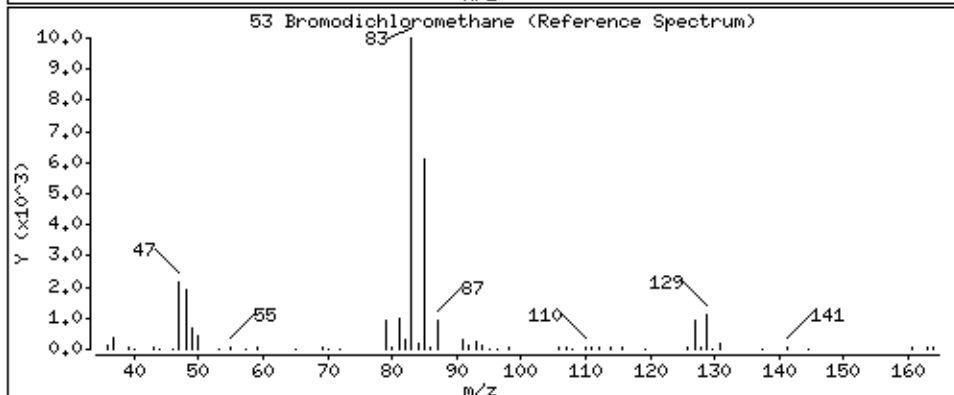
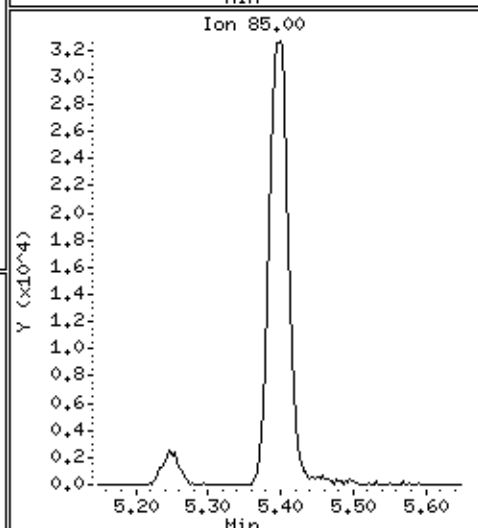
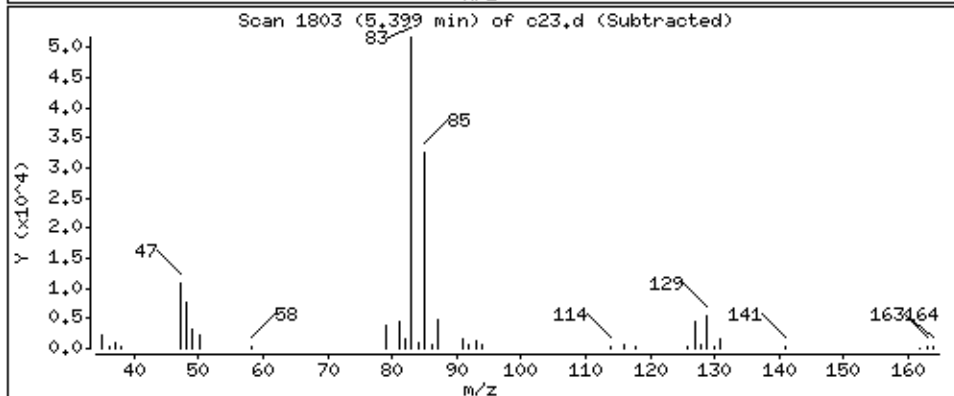
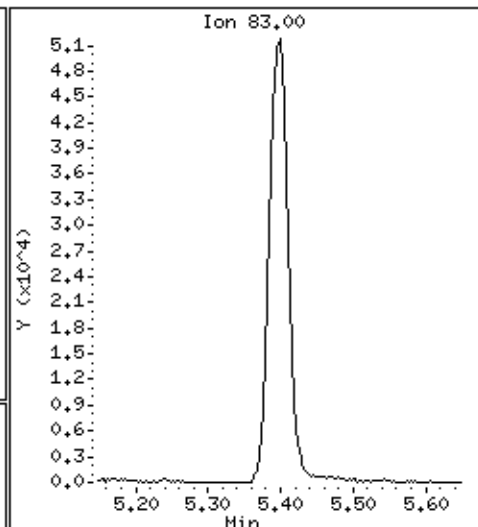
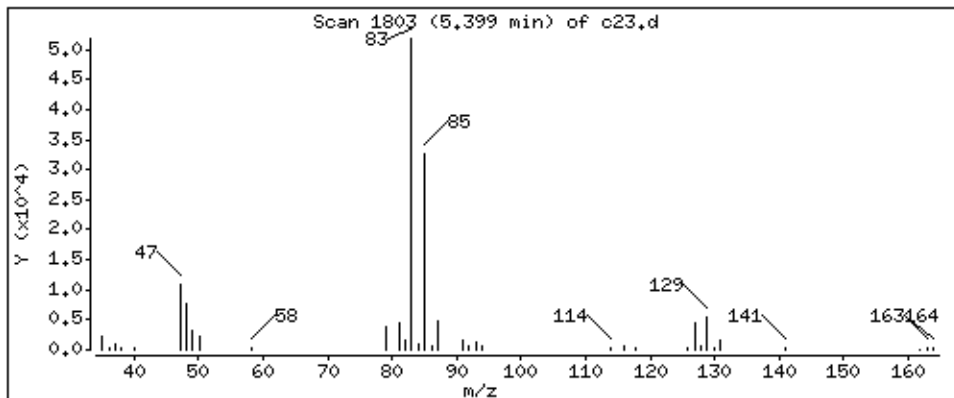
Operator: amv

Column phase: DB-624

Column diameter: 0,18

53 Bromodichloromethane

Concentration: 45,2 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

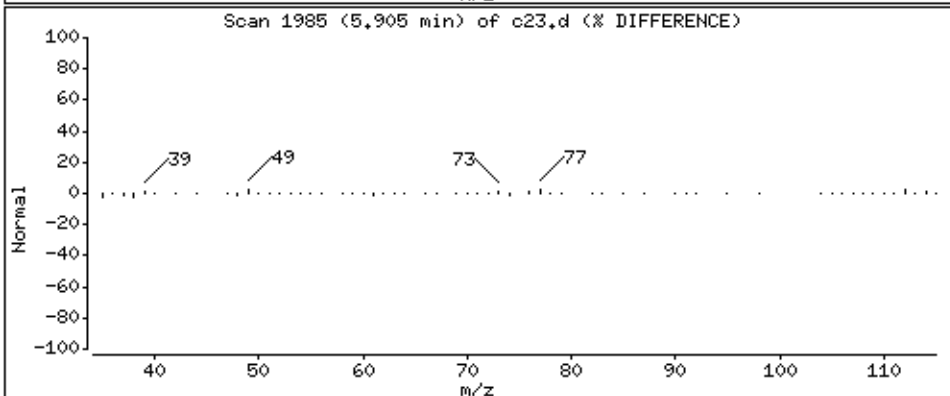
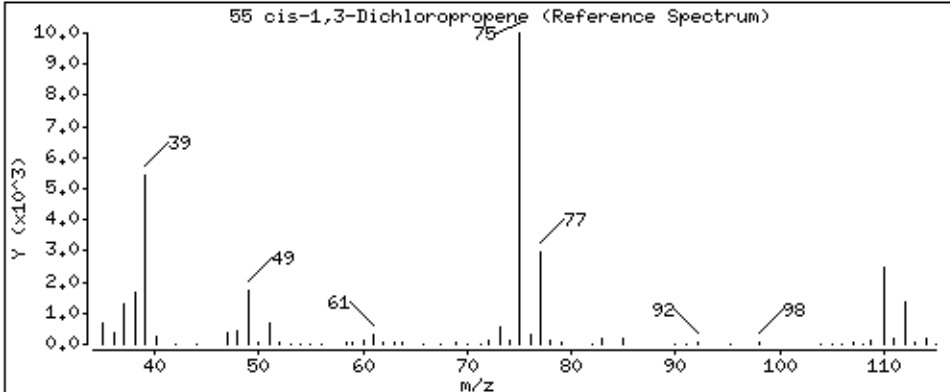
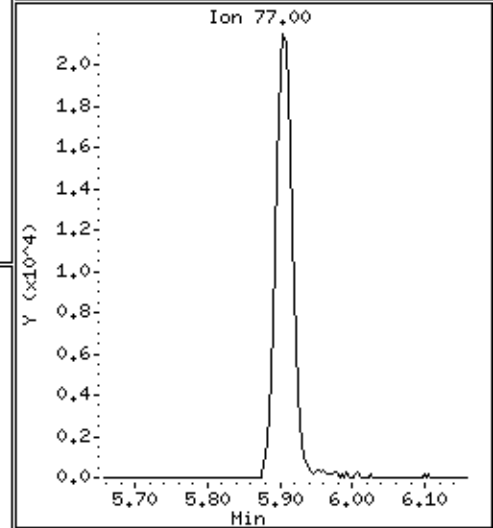
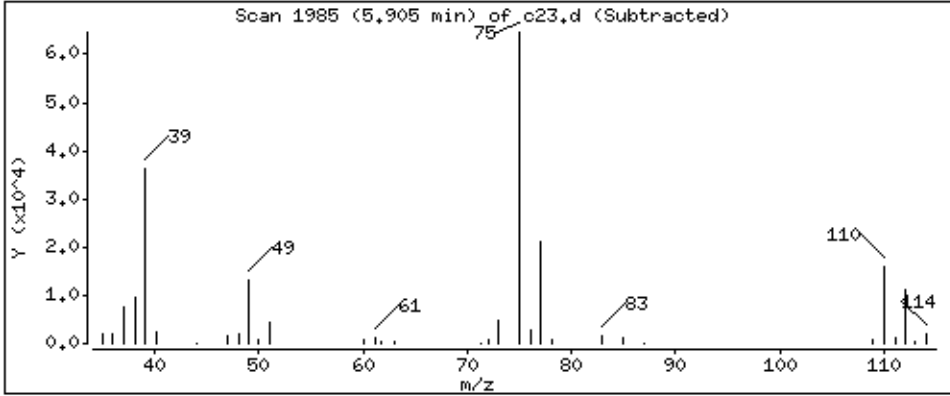
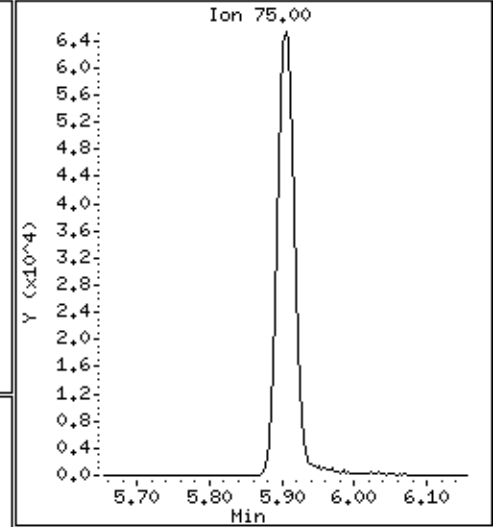
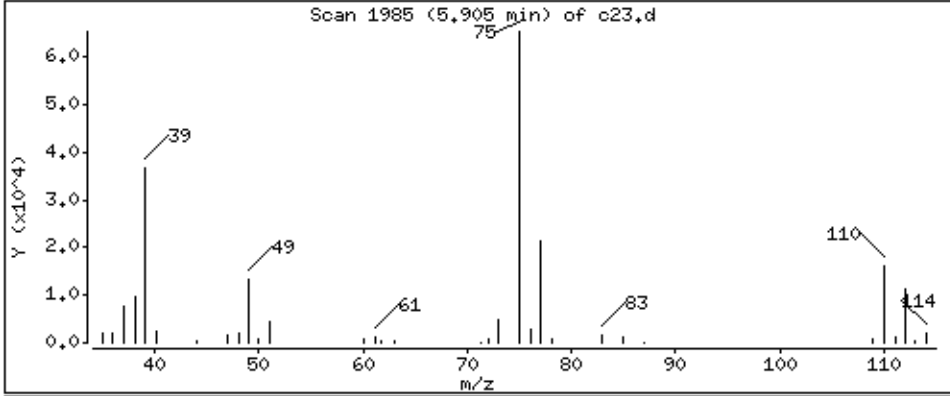
Operator: amv

Column phase: DB-624

Column diameter: 0,18

55 cis-1,3-Dichloropropene

Concentration: 44,5 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

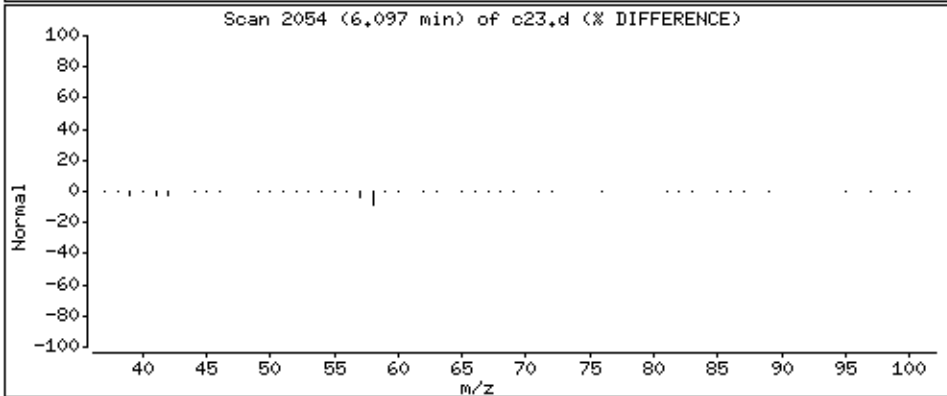
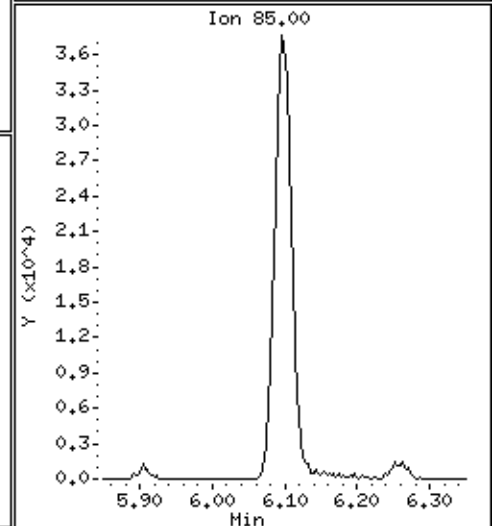
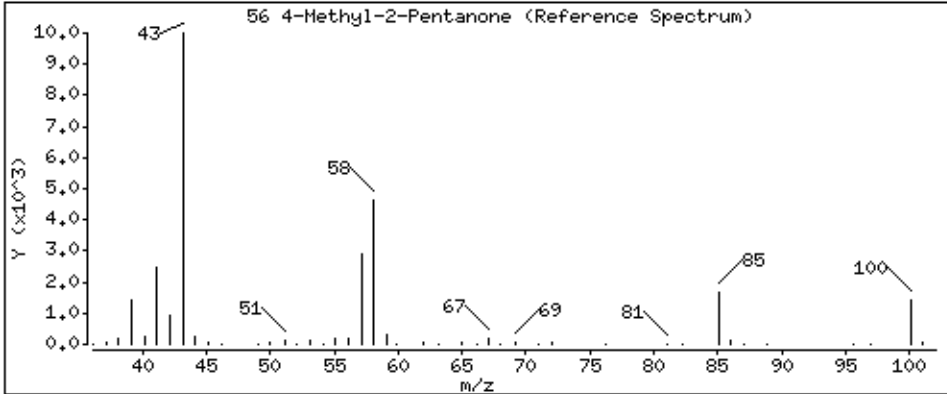
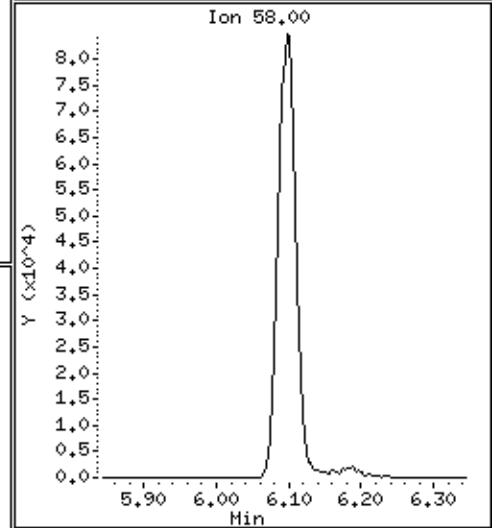
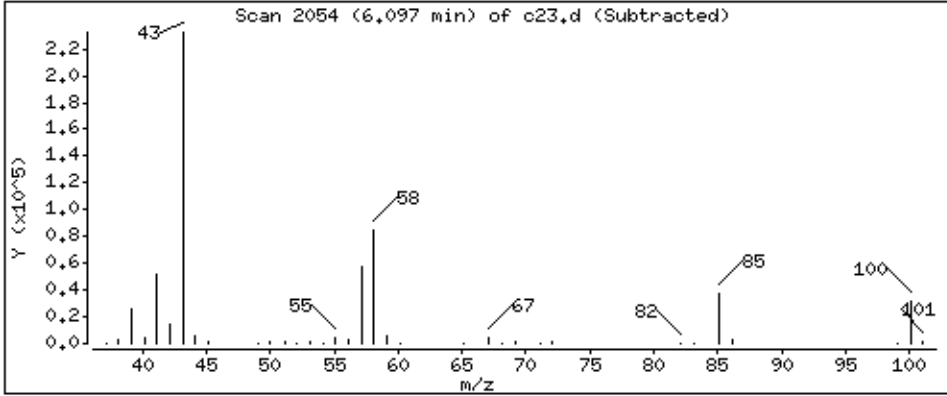
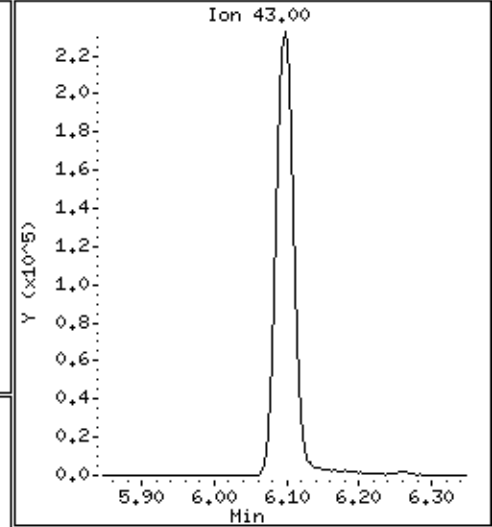
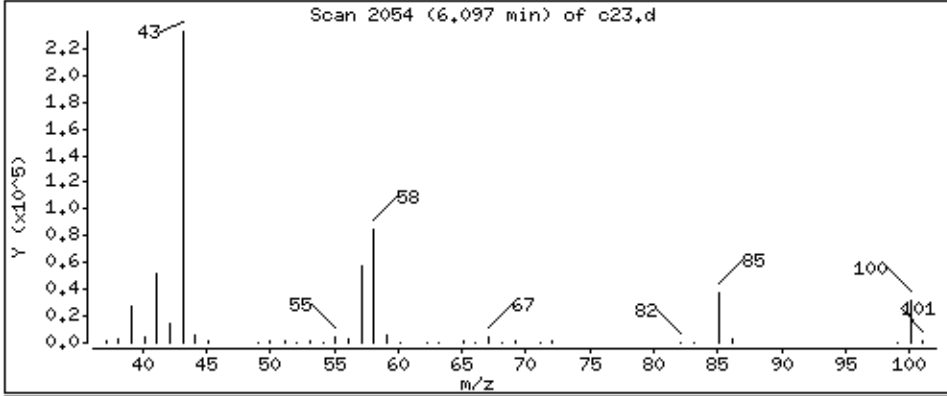
Operator: amv

Column phase: DB-624

Column diameter: 0.18

56 4-Methyl-2-Pentanone

Concentration: 216 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

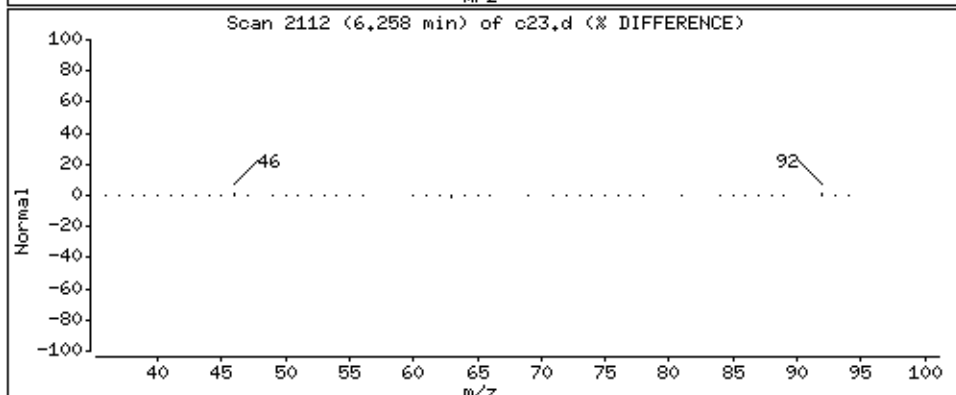
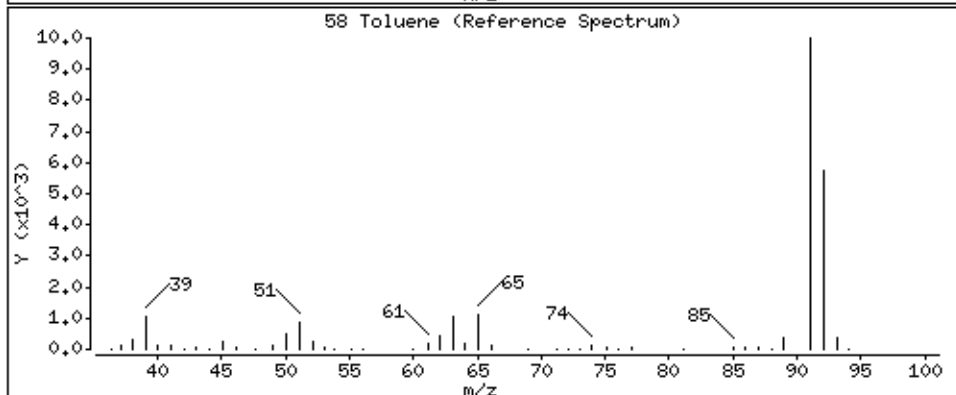
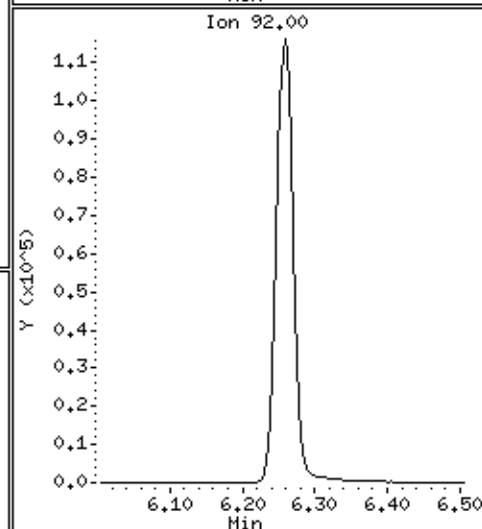
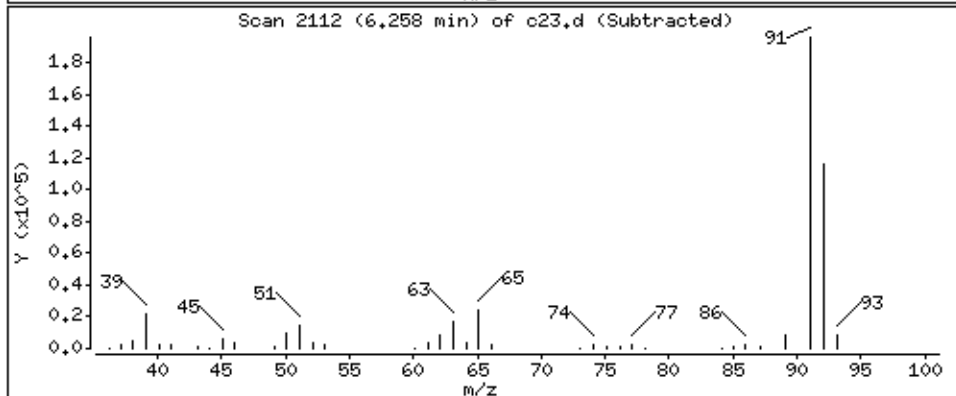
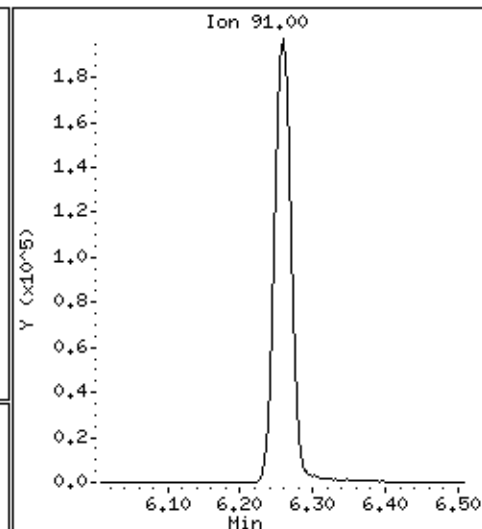
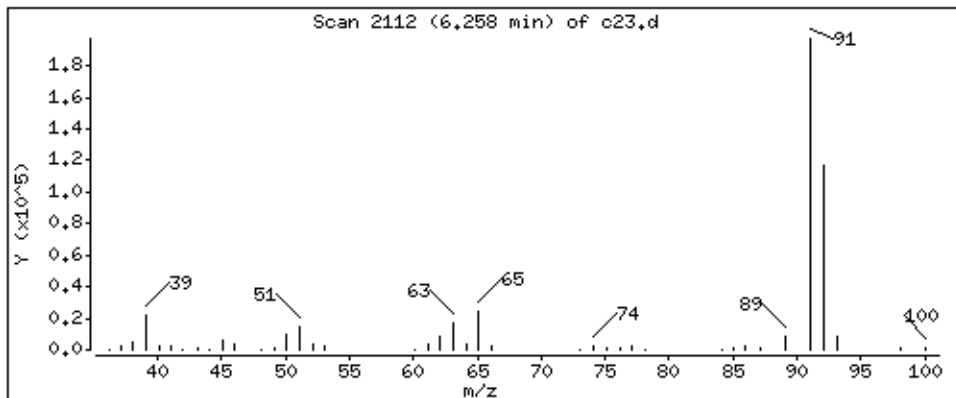
Operator: amv

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 45,6 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

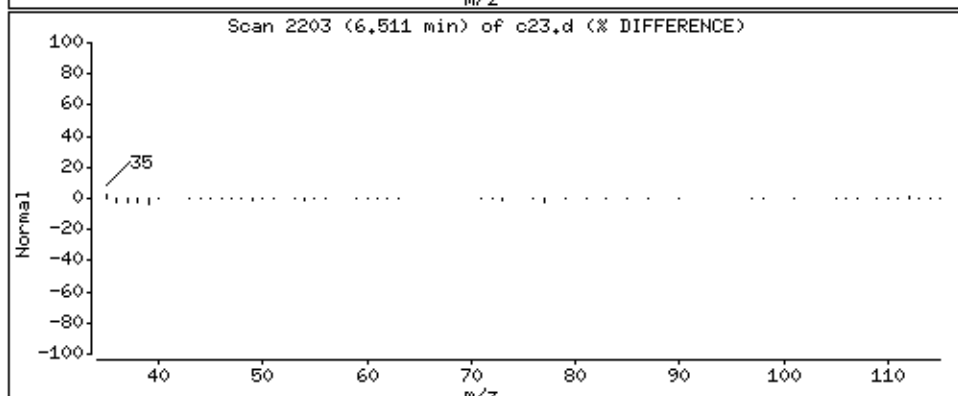
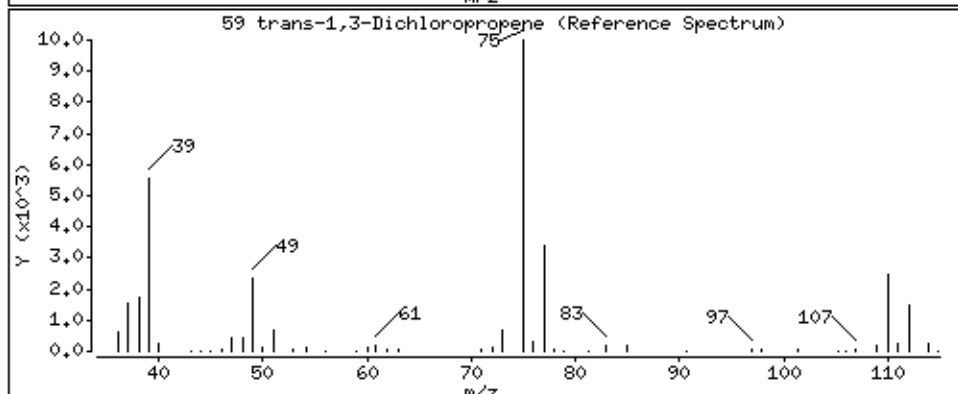
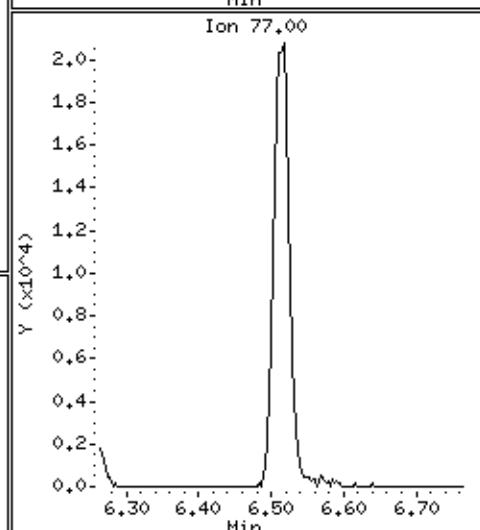
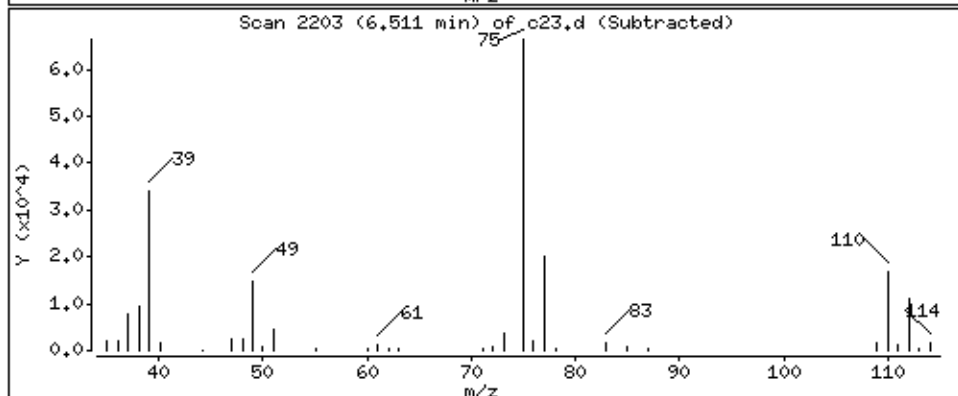
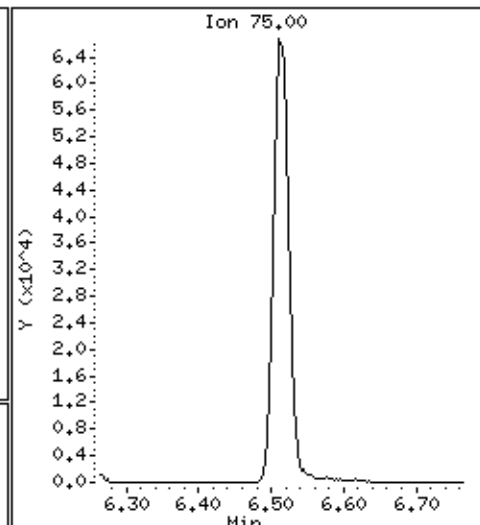
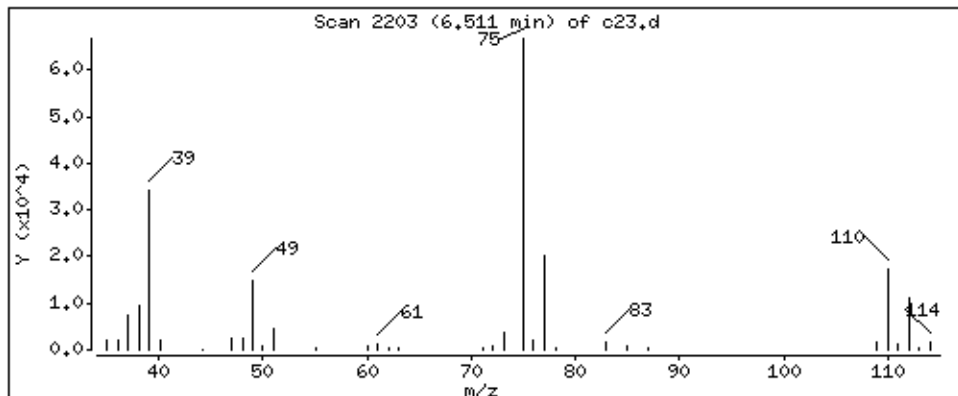
Operator: amv

Column phase: DB-624

Column diameter: 0.18

59 trans-1,3-Dichloropropene

Concentration: 42.6 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

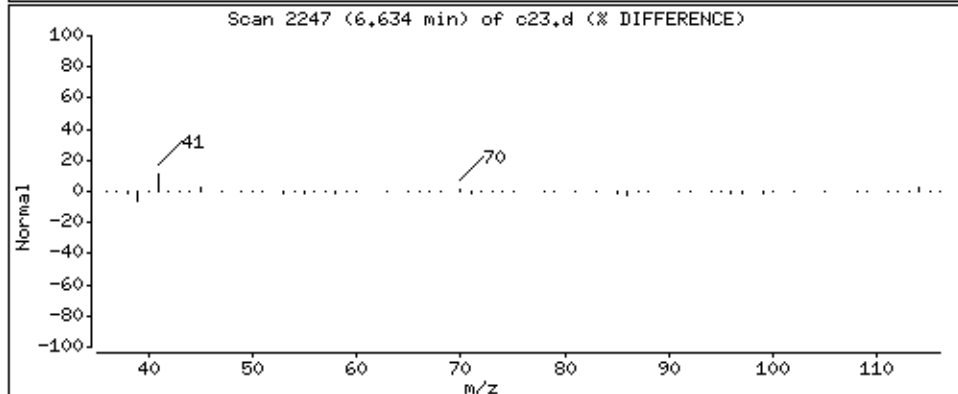
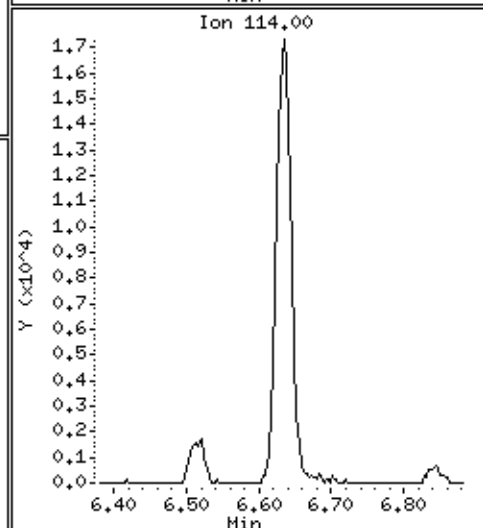
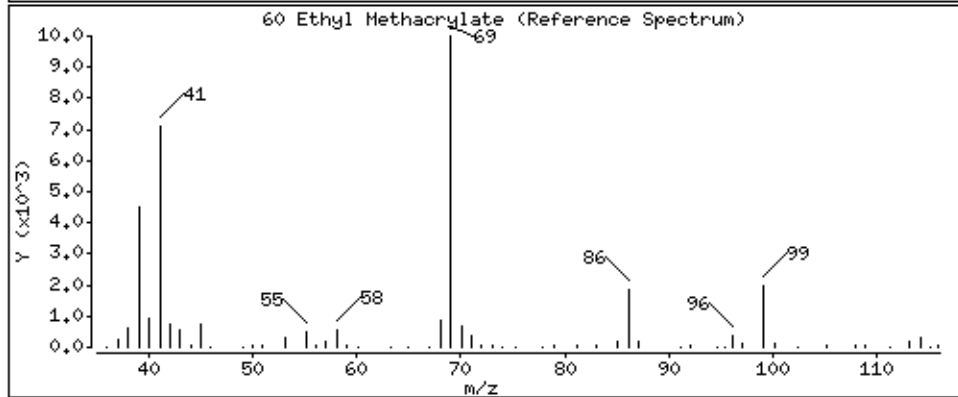
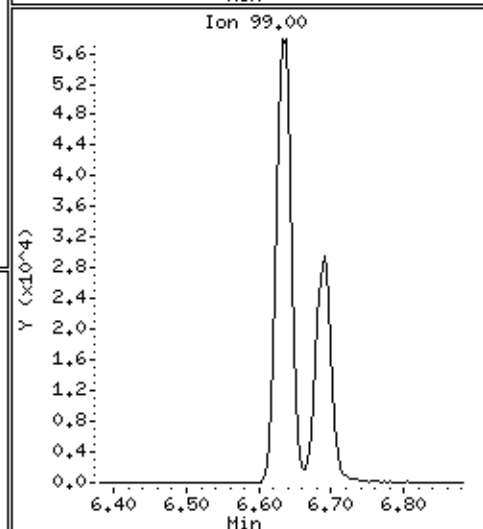
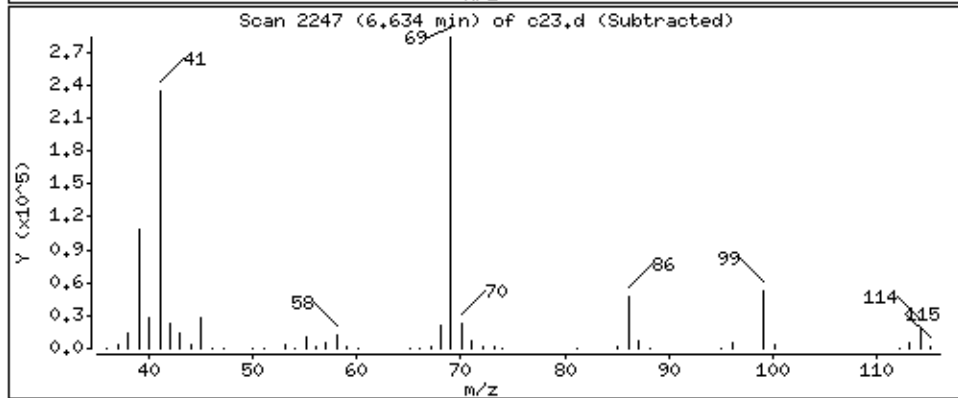
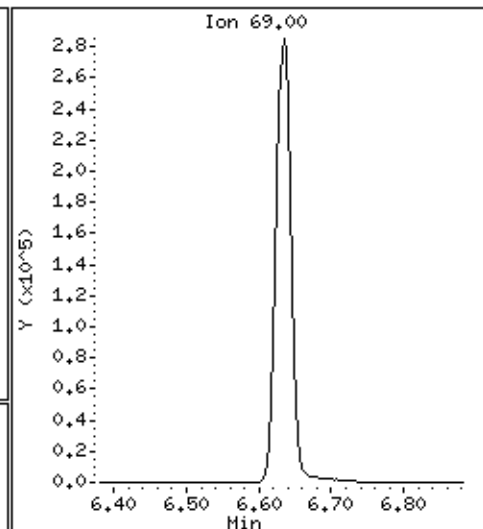
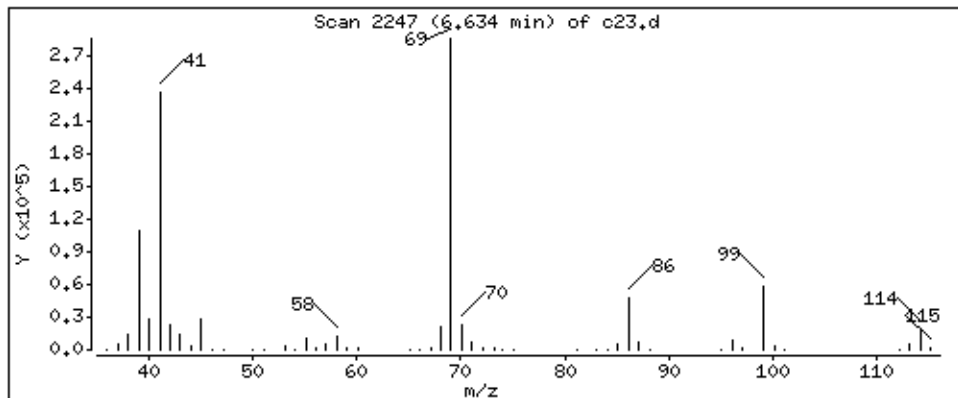
Operator: amv

Column phase: DB-624

Column diameter: 0.18

60 Ethyl Methacrylate

Concentration: 195 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

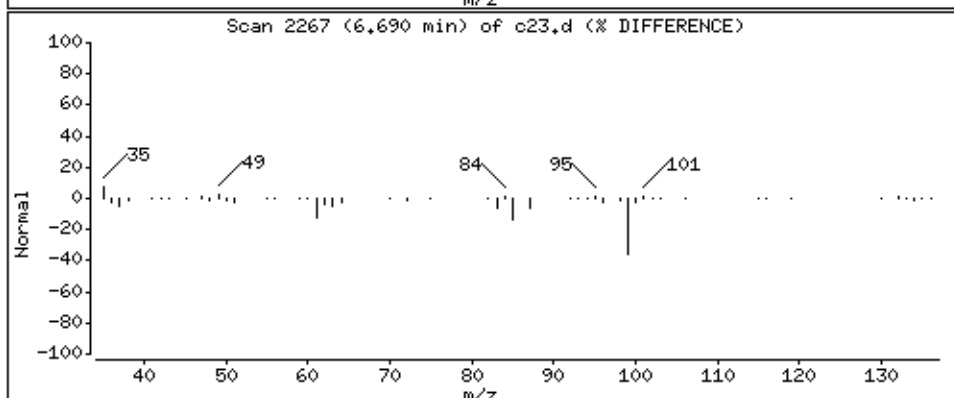
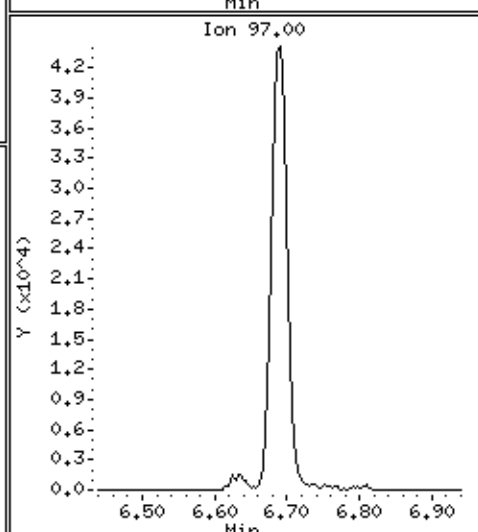
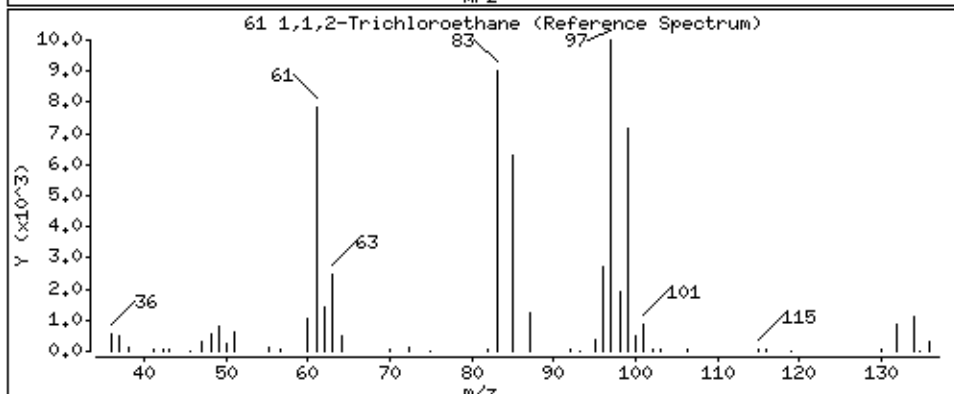
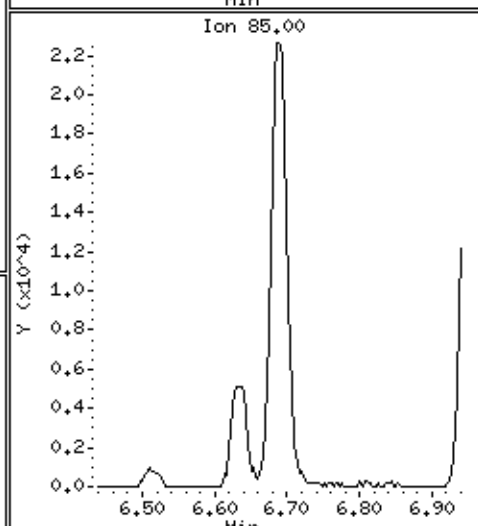
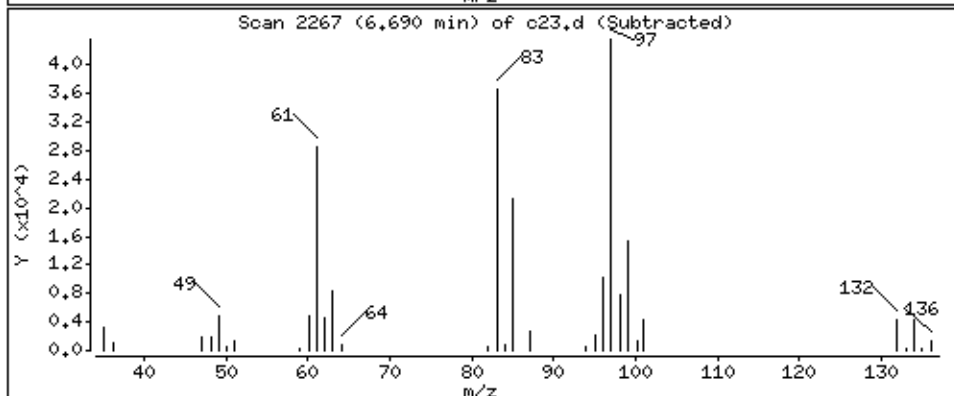
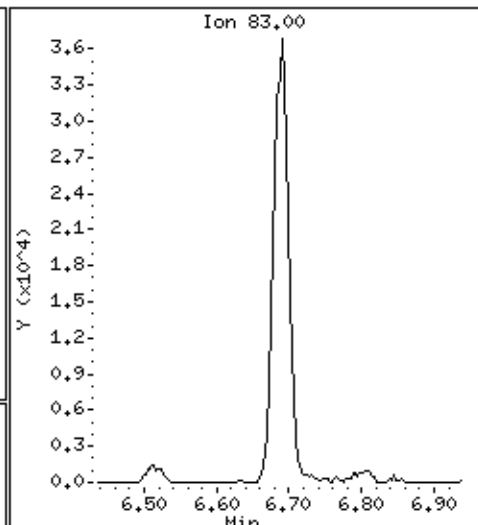
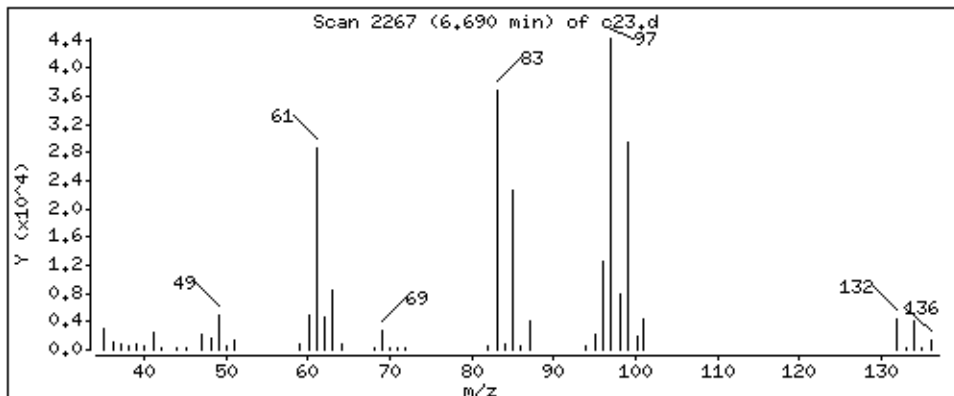
Operator: amv

Column phase: DB-624

Column diameter: 0,18

61 1,1,2-Trichloroethane

Concentration: 52.9 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

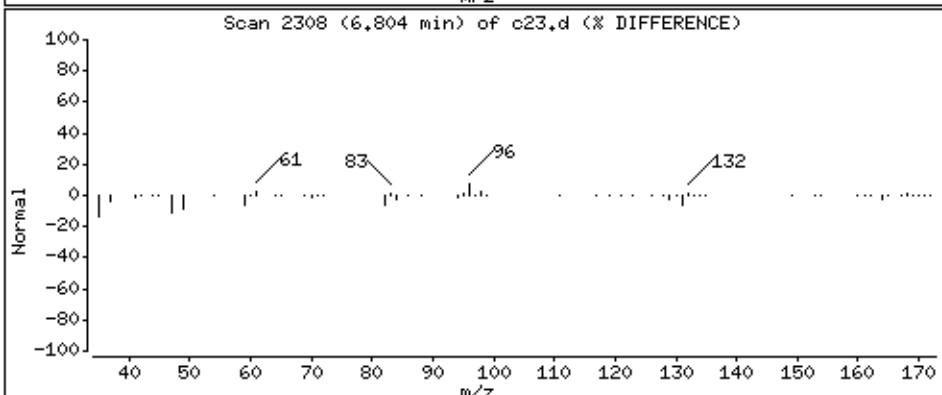
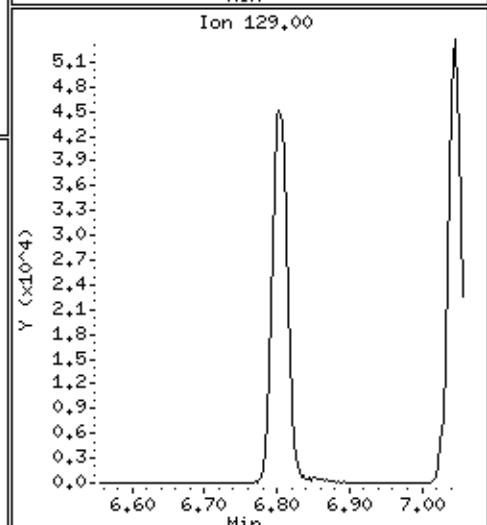
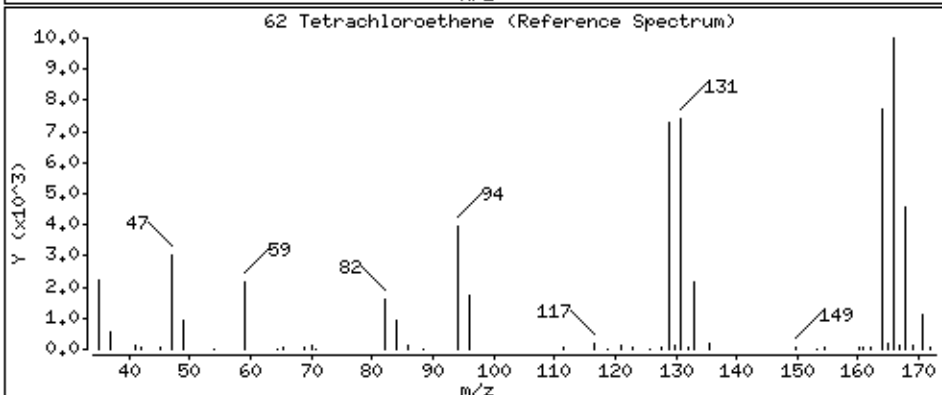
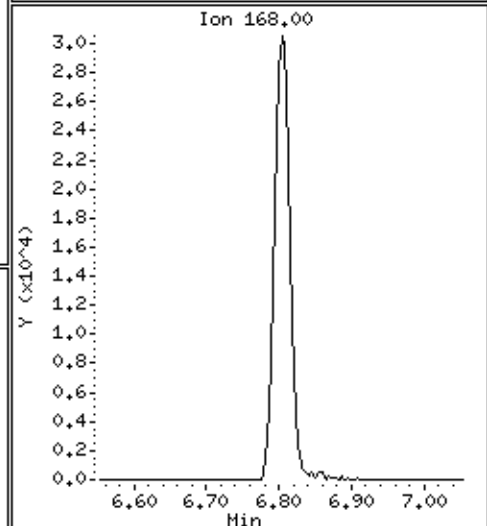
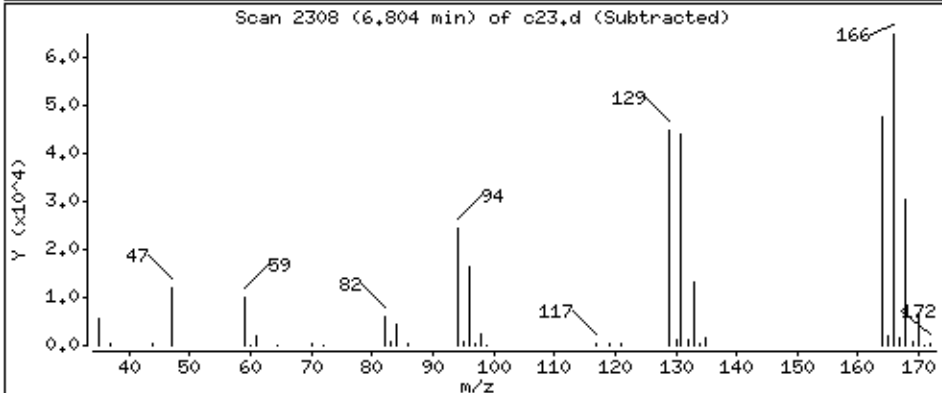
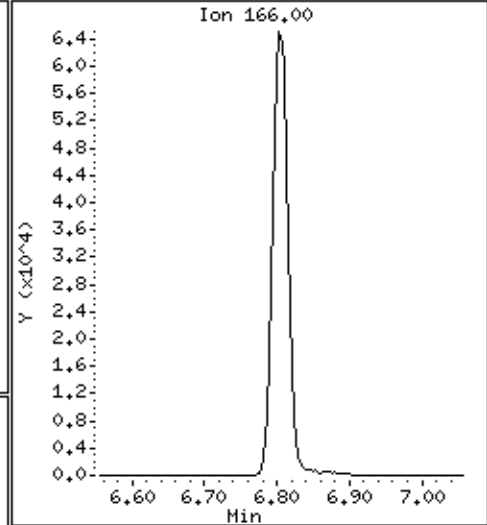
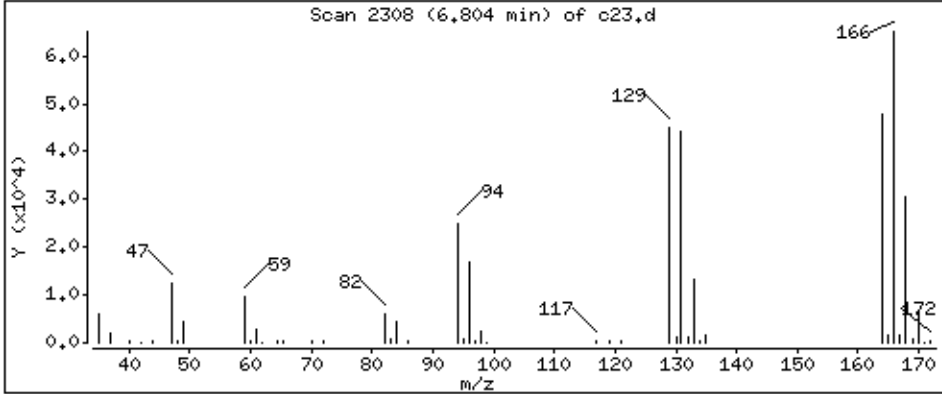
Operator: amv

Column phase: DB-624

Column diameter: 0,18

62 Tetrachloroethene

Concentration: 51.4 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

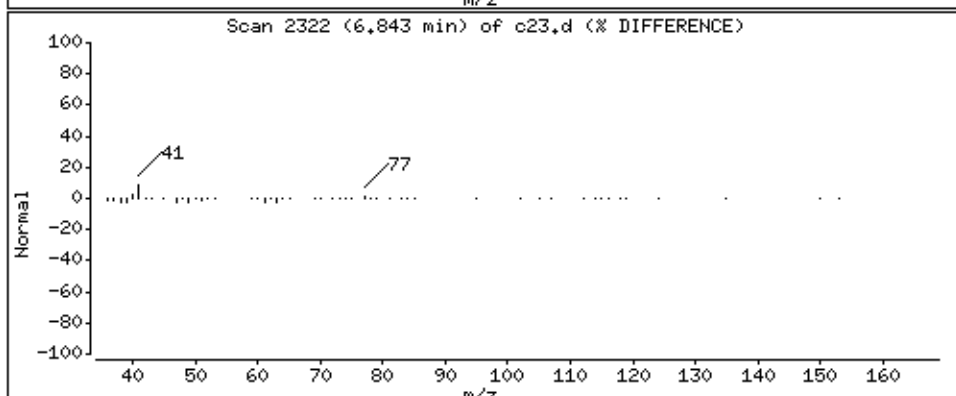
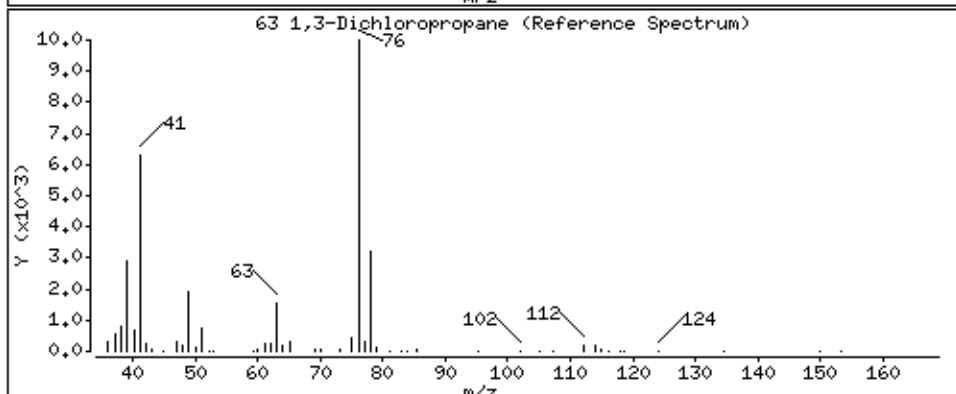
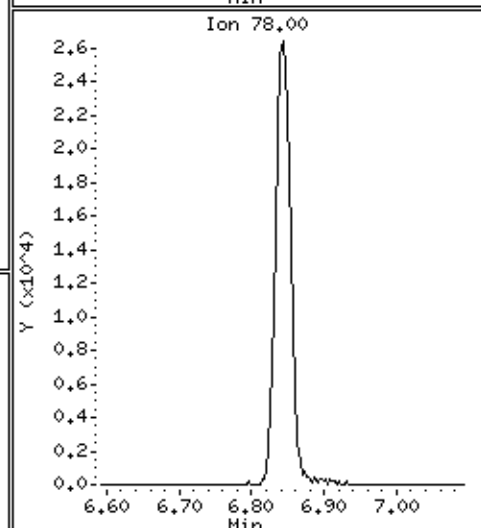
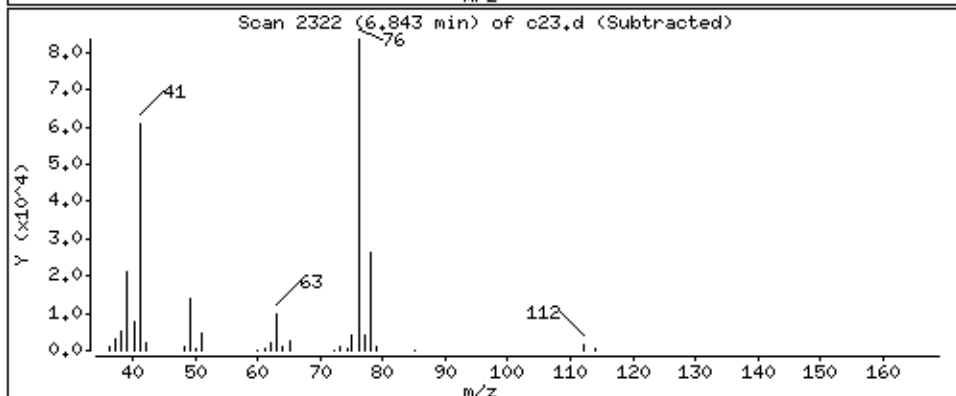
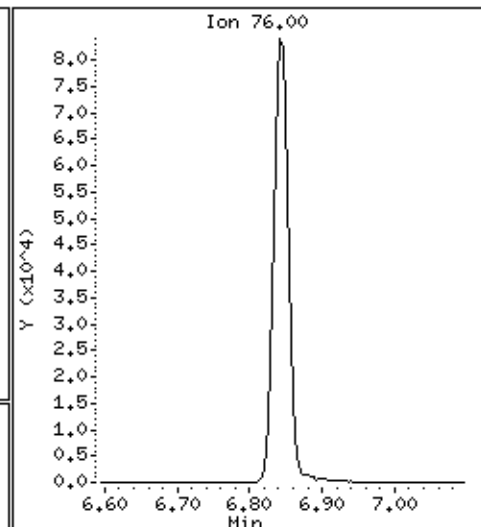
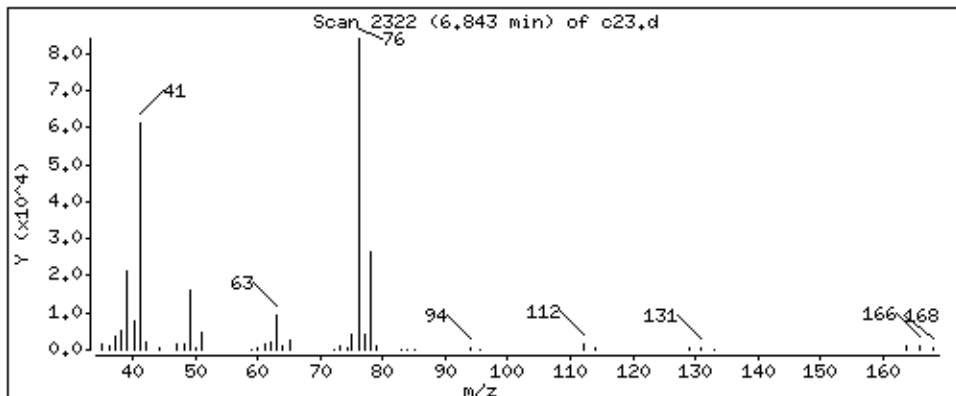
Operator: amv

Column phase: DB-624

Column diameter: 0,18

63 1,3-Dichloropropane

Concentration: 52.0 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

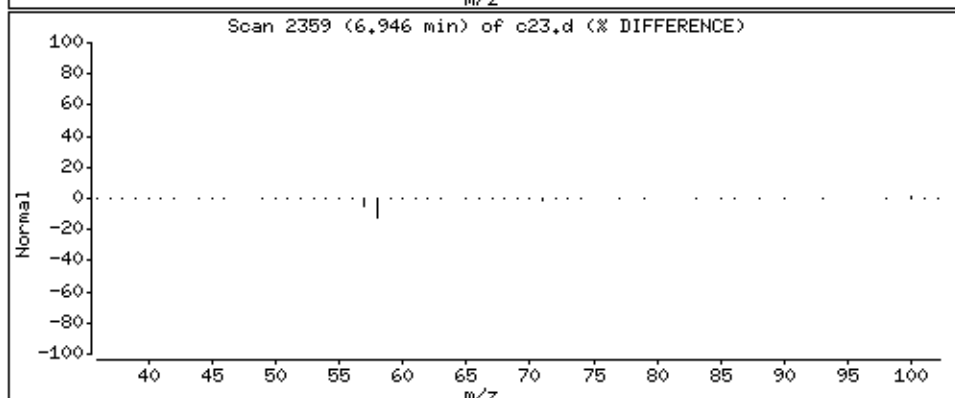
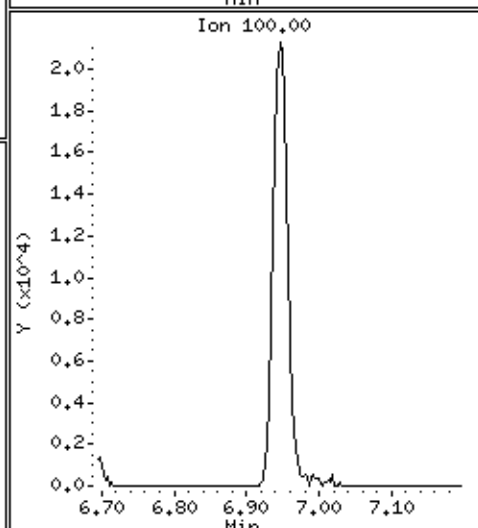
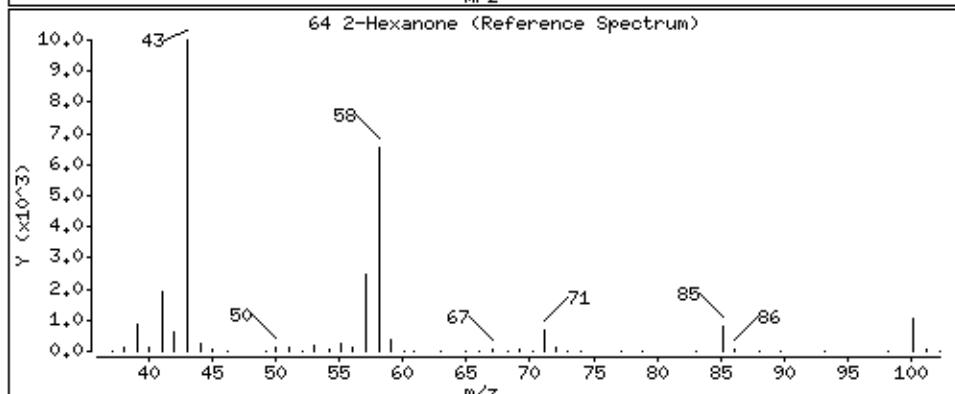
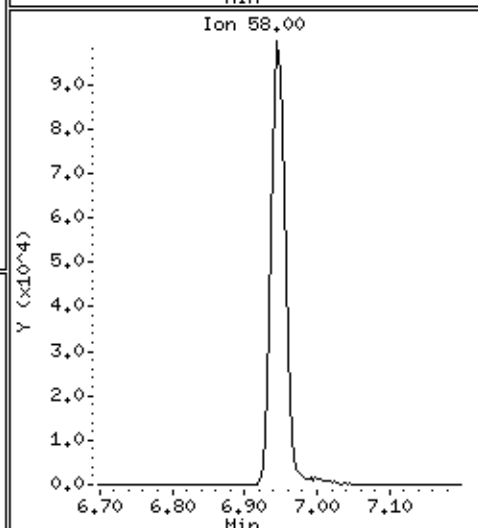
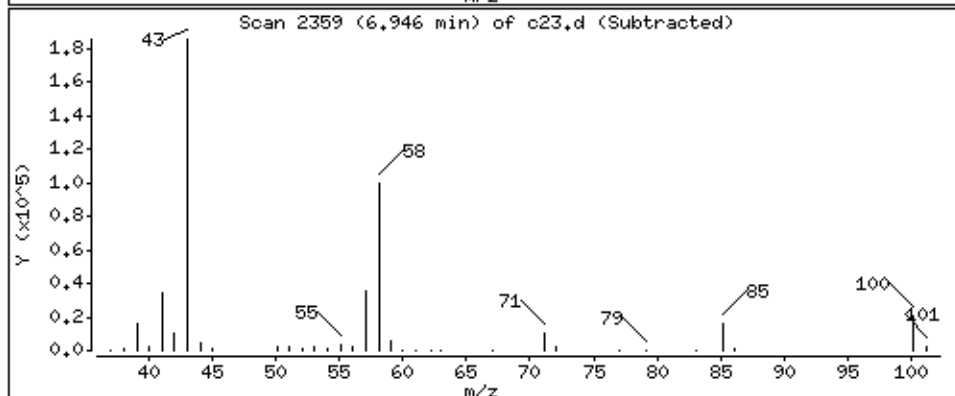
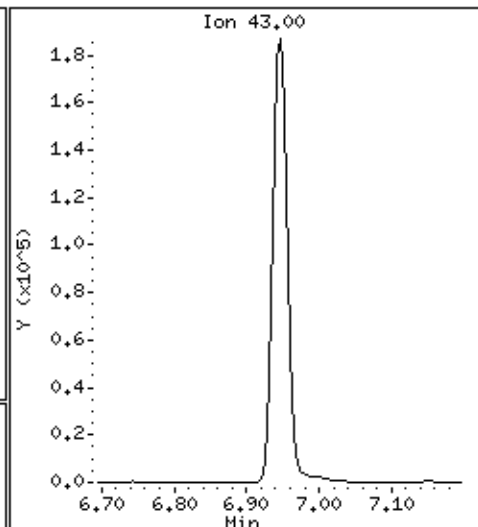
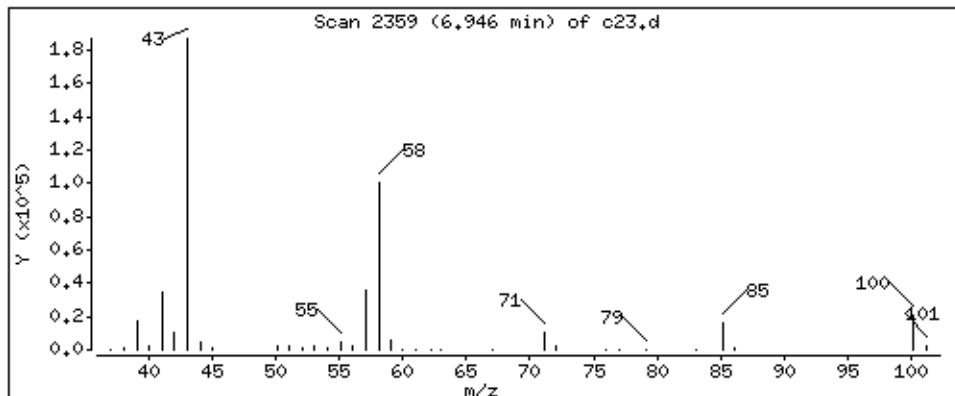
Operator: amv

Column phase: DB-624

Column diameter: 0,18

64 2-Hexanone

Concentration: 194 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

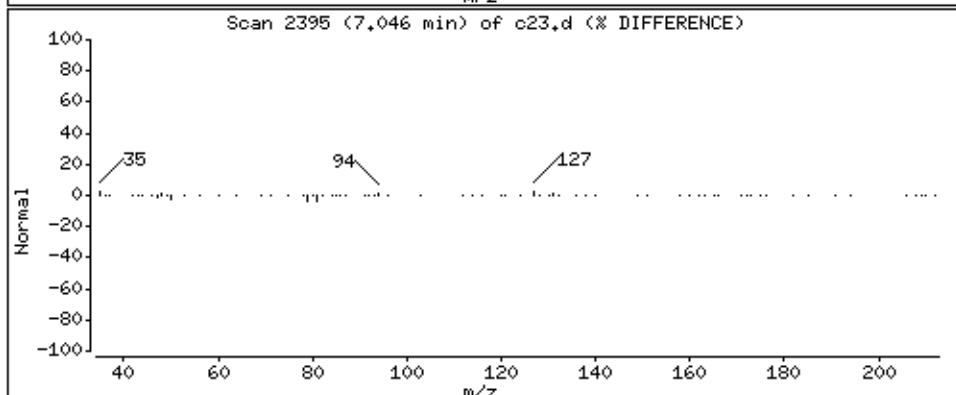
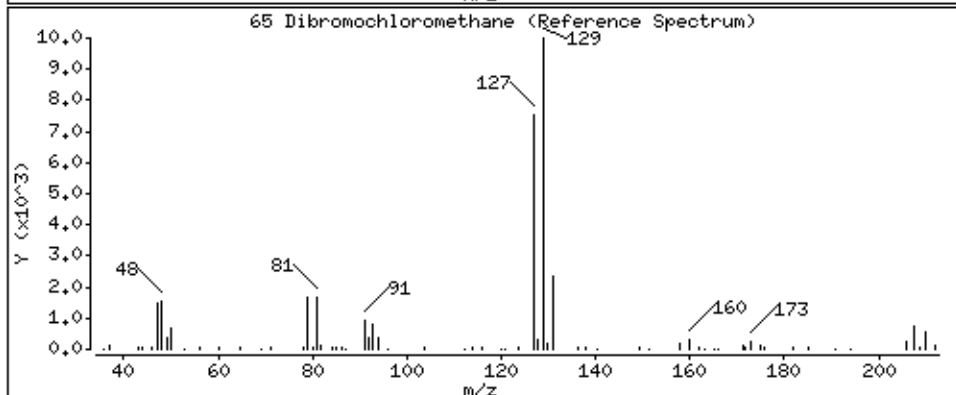
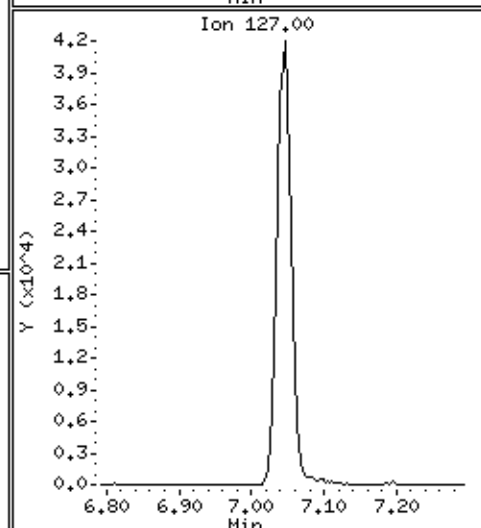
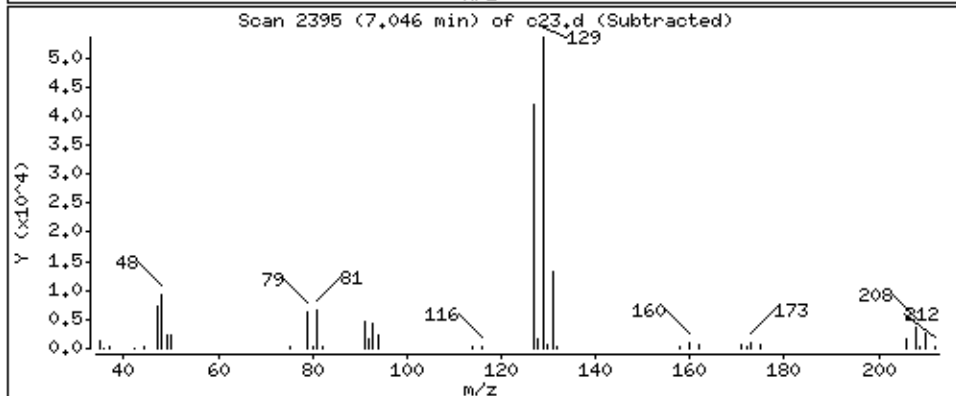
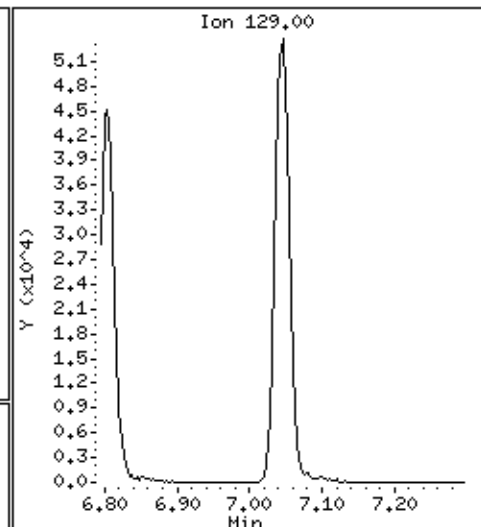
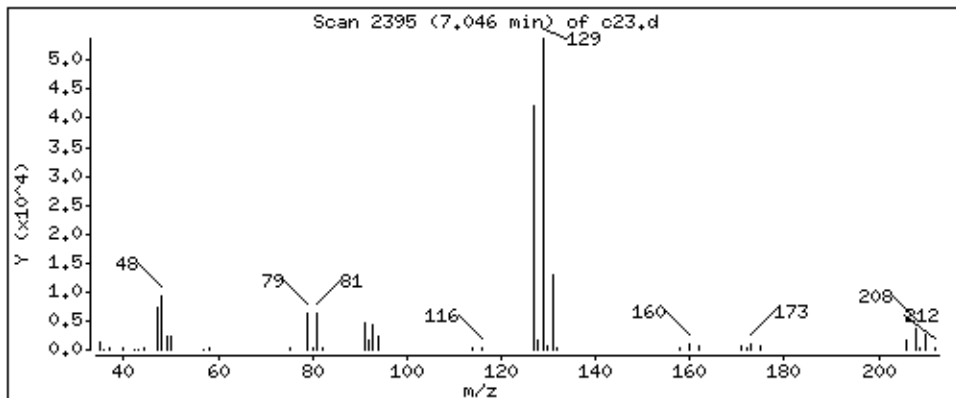
Operator: amv

Column phase: DB-624

Column diameter: 0,18

65 Dibromochloromethane

Concentration: 49,6 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

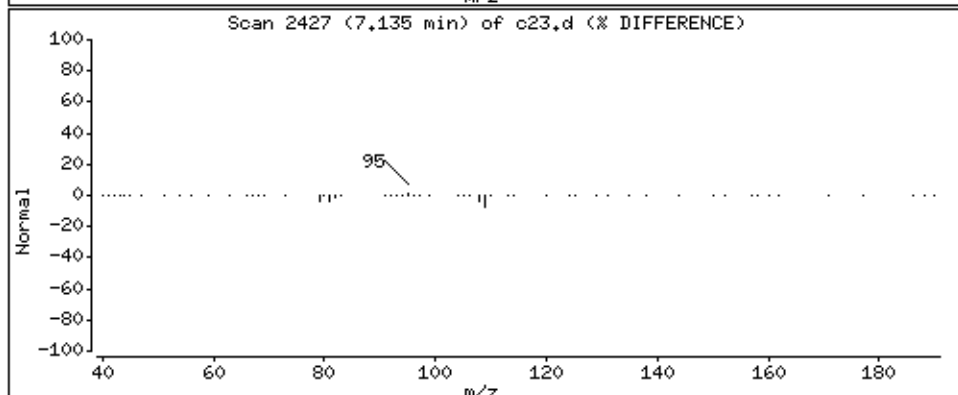
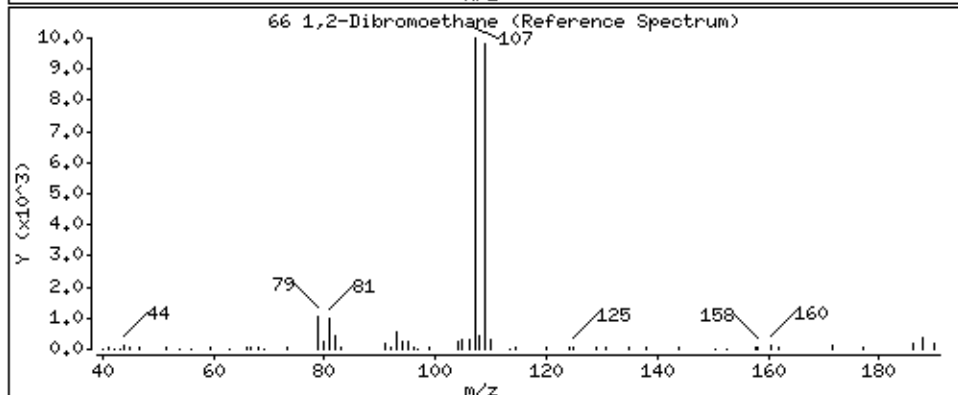
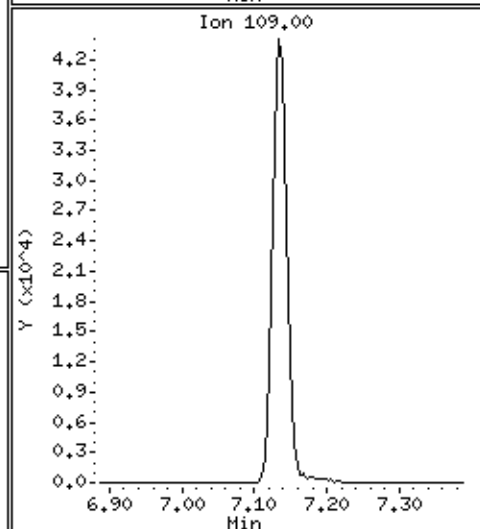
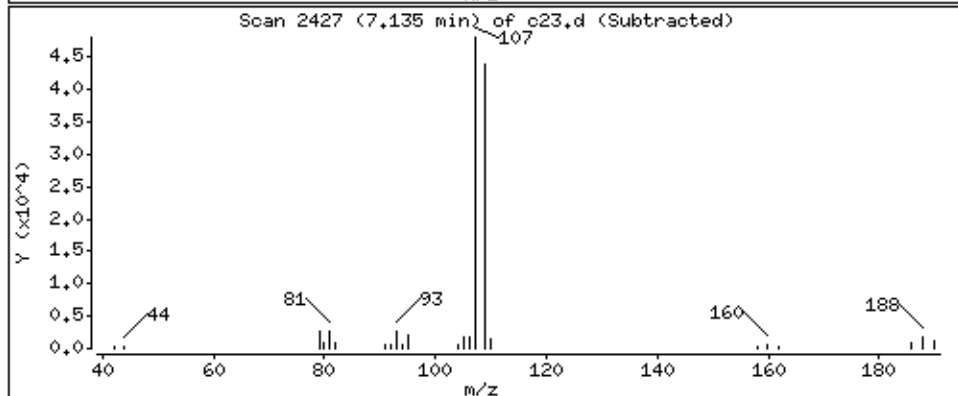
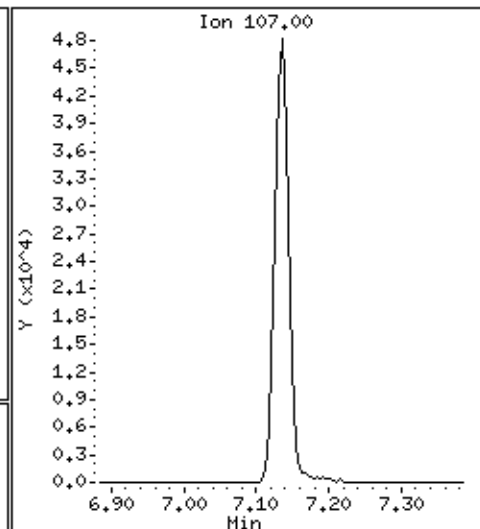
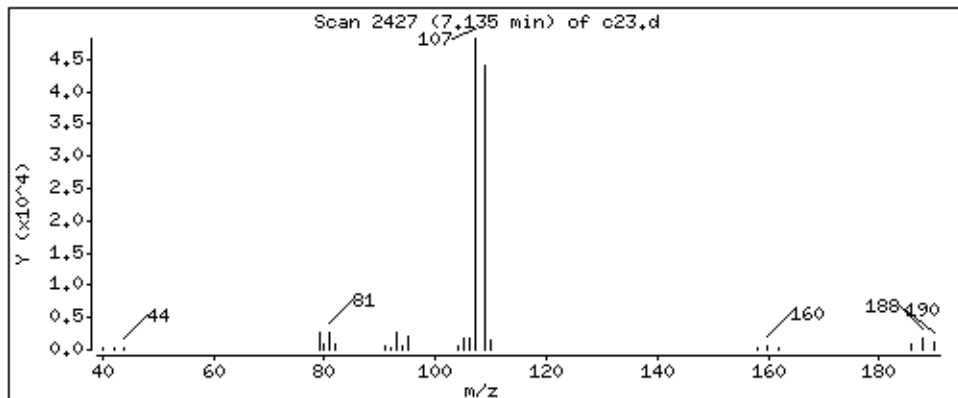
Operator: amv

Column phase: DB-624

Column diameter: 0,18

66 1,2-Dibromoethane

Concentration: 50,6 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

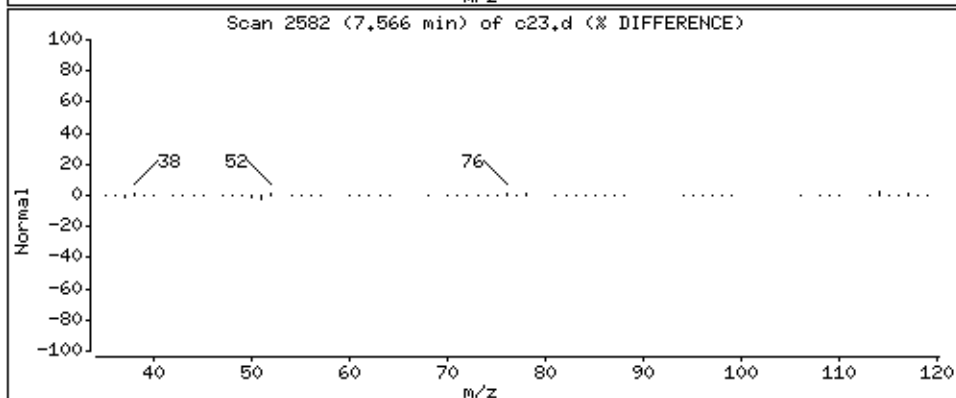
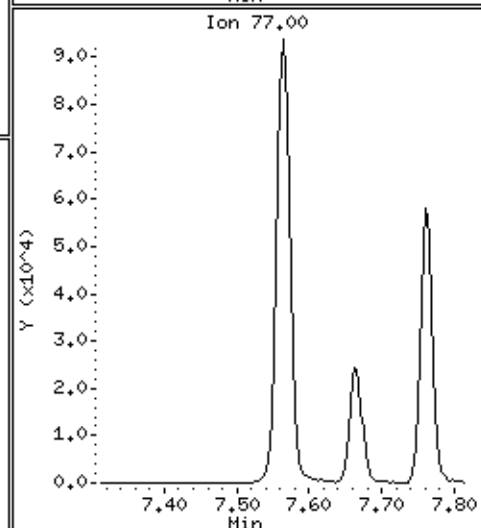
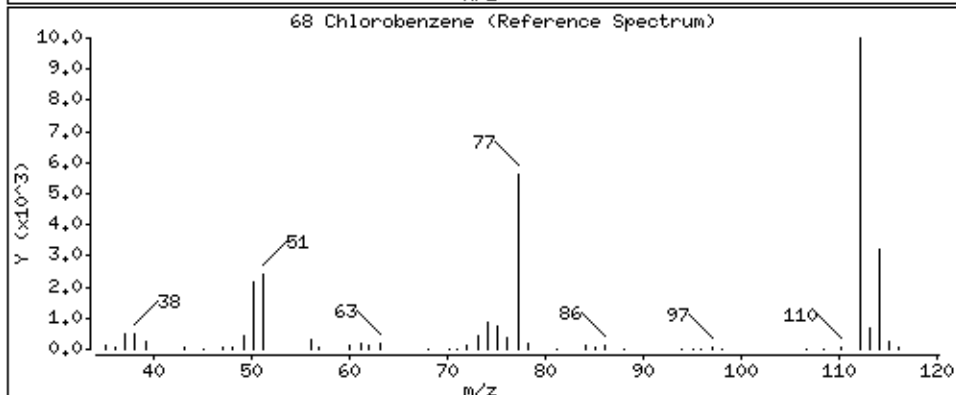
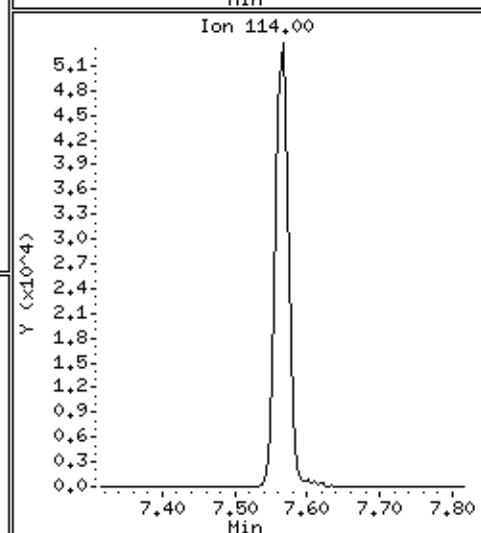
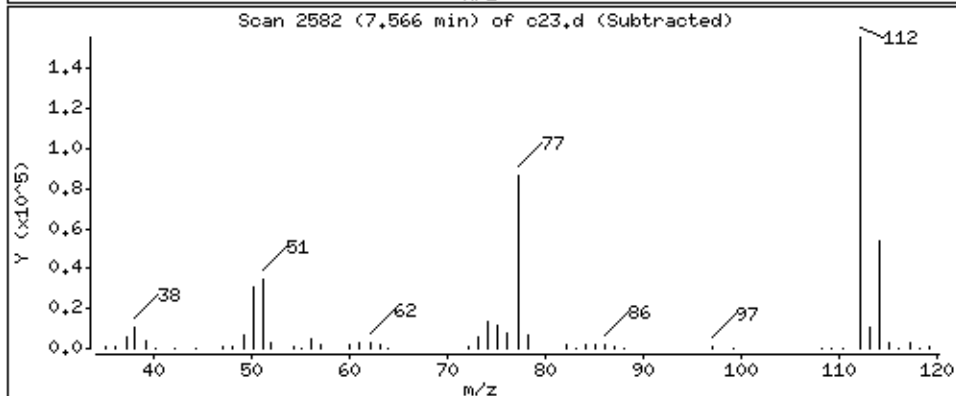
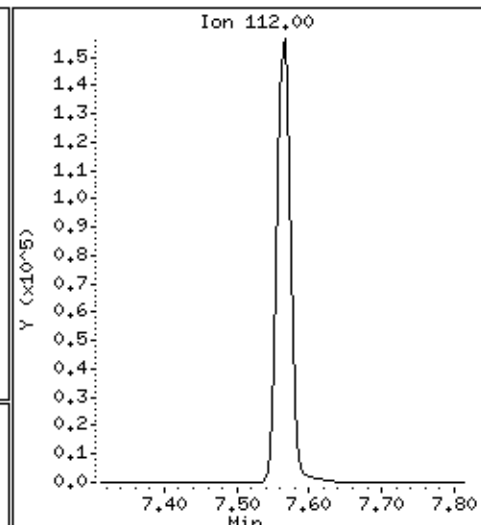
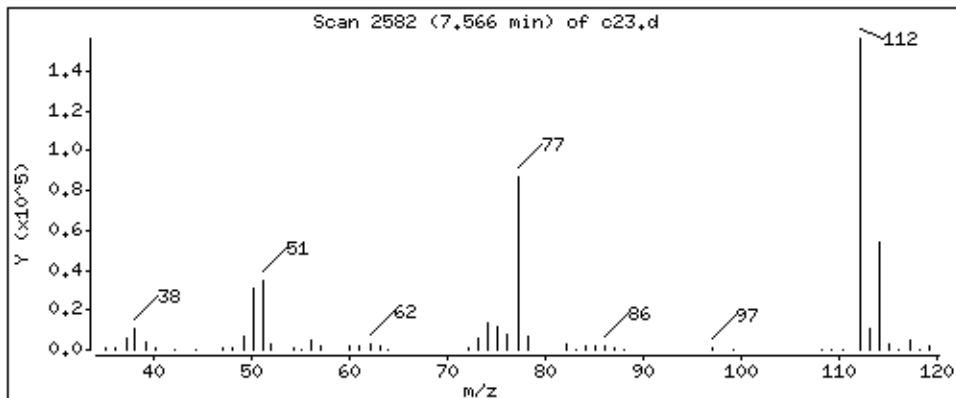
Operator: amv

Column phase: DB-624

Column diameter: 0,18

68 Chlorobenzene

Concentration: 51.0 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

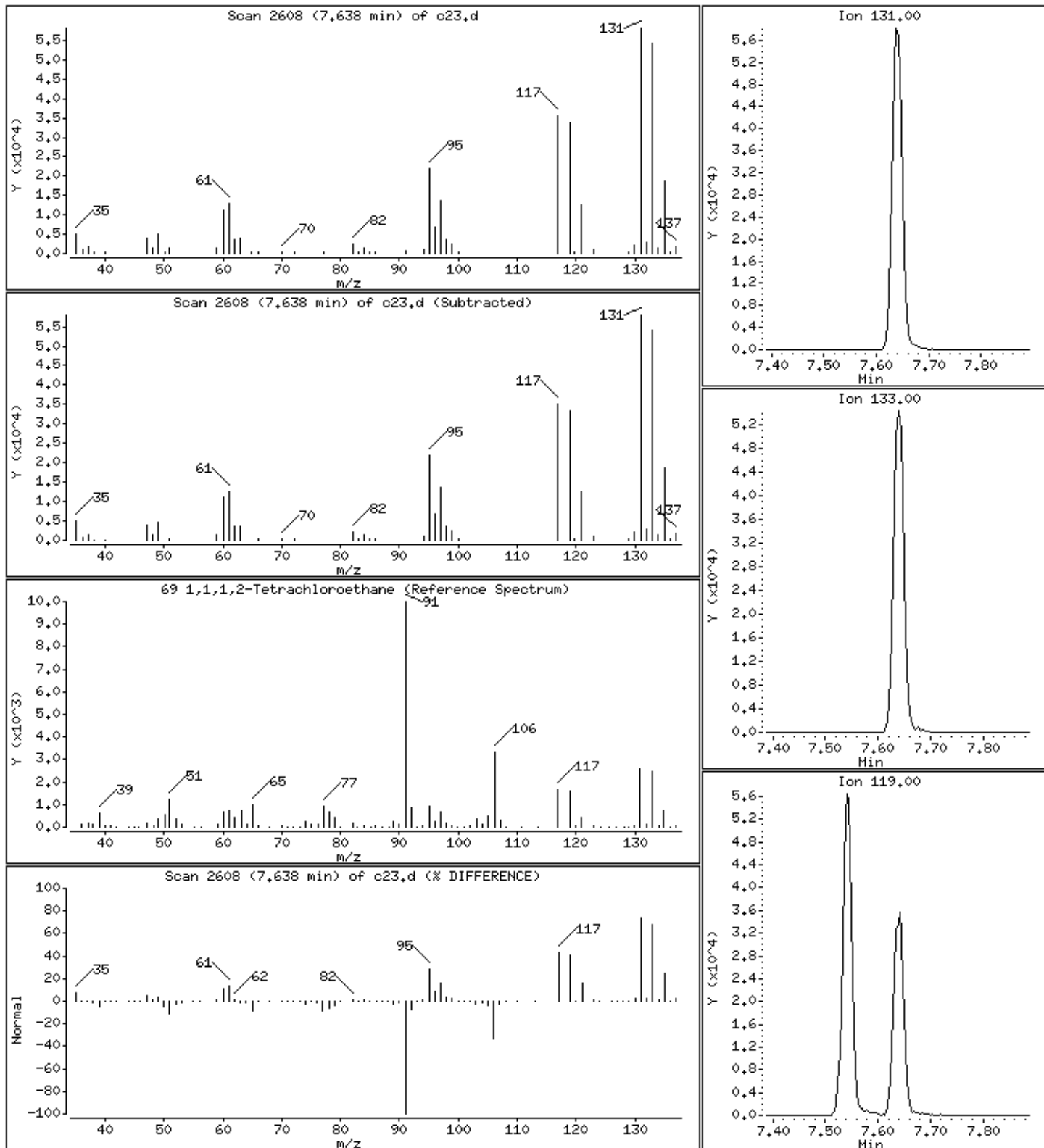
Operator: amv

Column phase: DB-624

Column diameter: 0,18

69 1,1,1,2-Tetrachloroethane

Concentration: 49.4 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

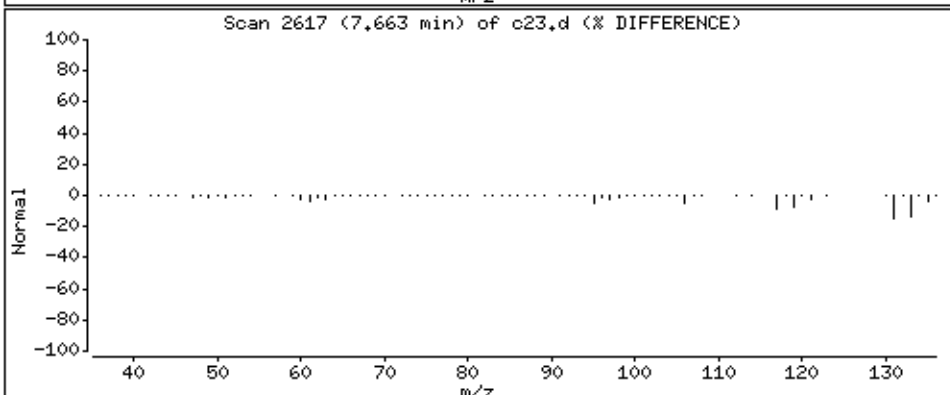
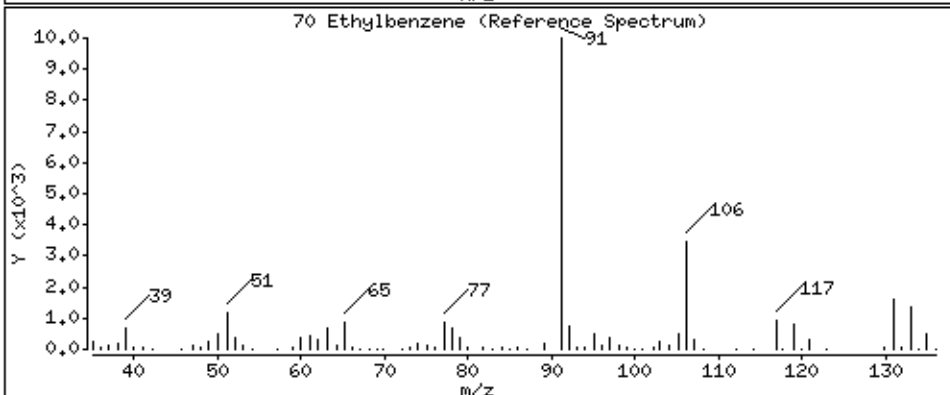
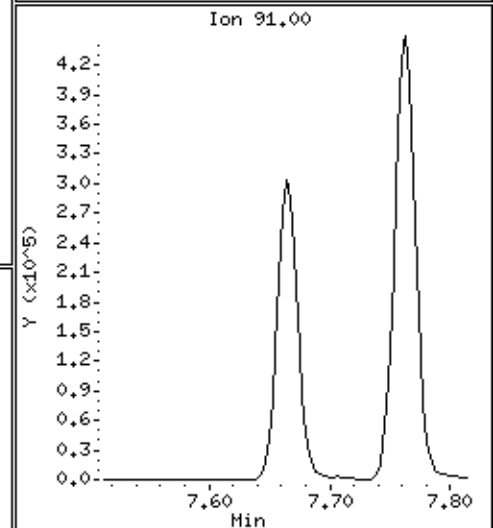
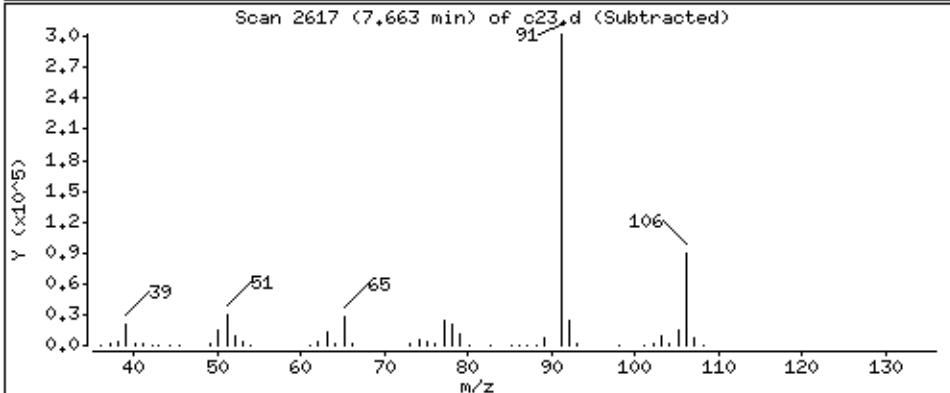
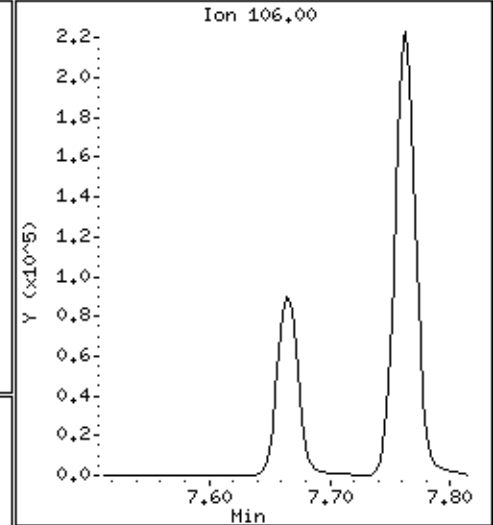
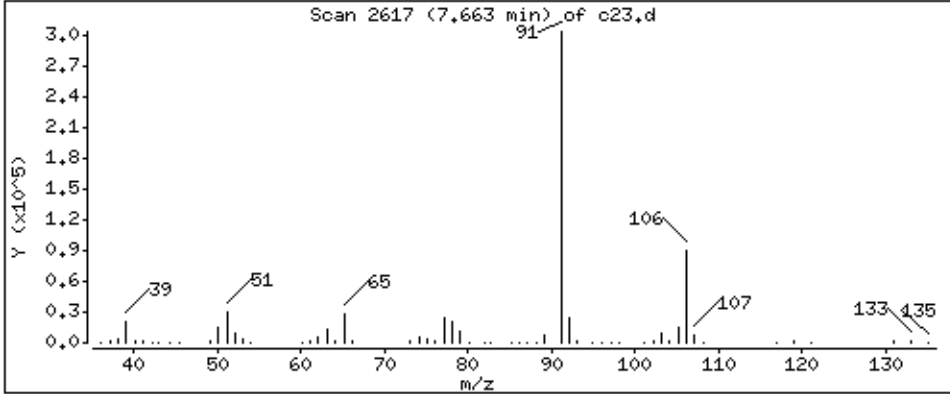
Operator: amv

Column phase: DB-624

Column diameter: 0.18

70 Ethylbenzene

Concentration: 49.6 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

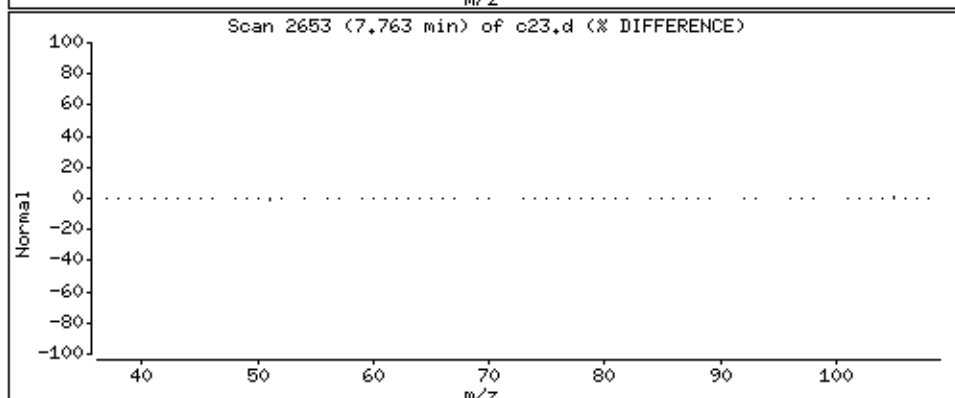
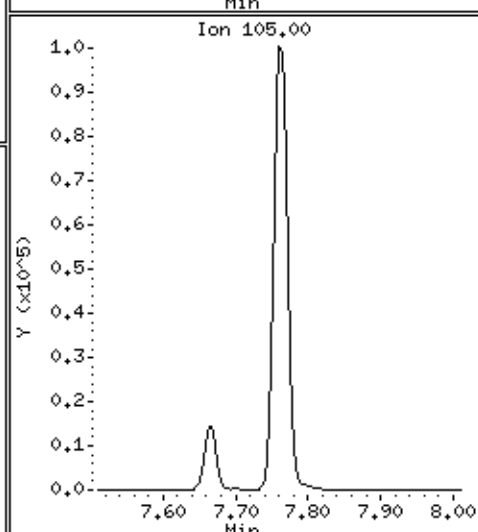
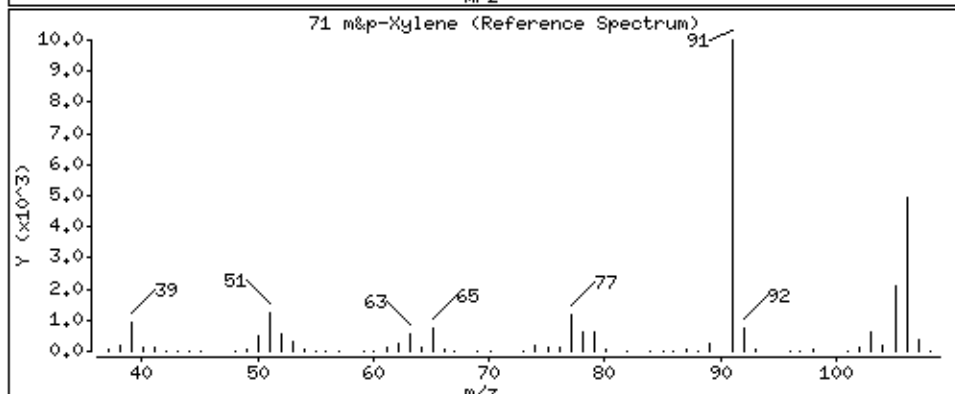
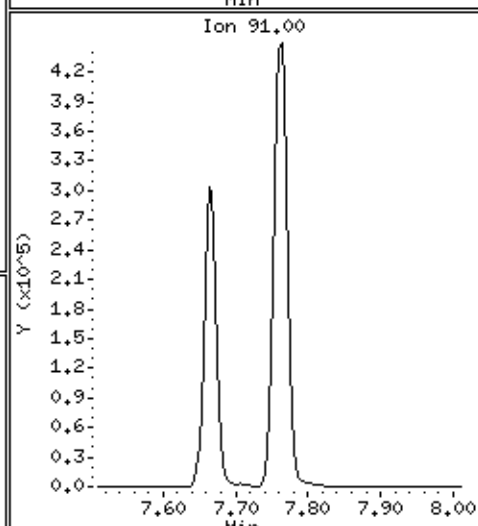
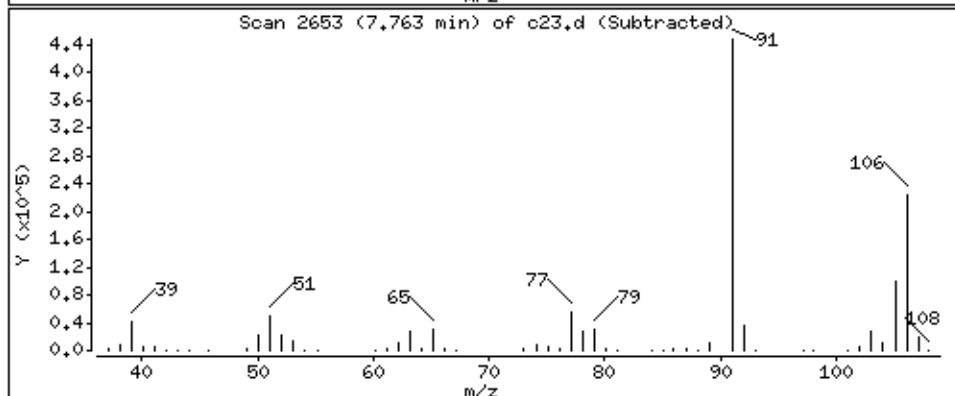
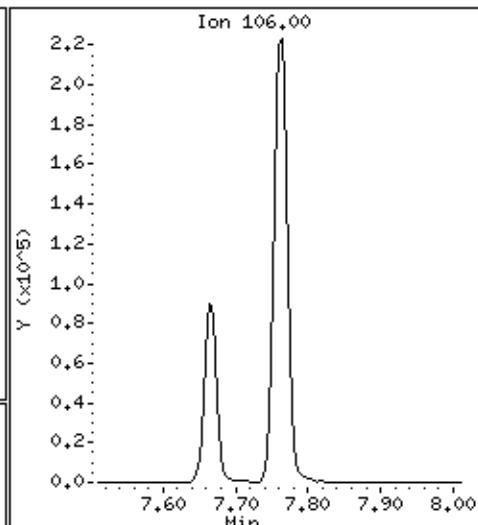
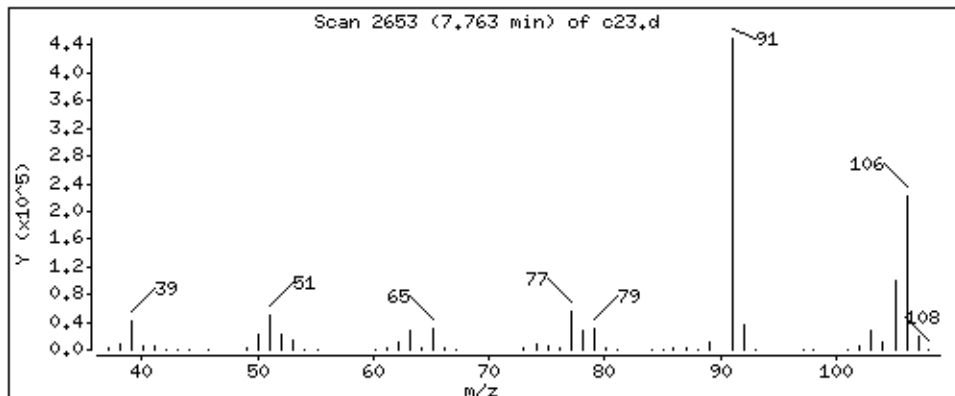
Operator: amv

Column phase: DB-624

Column diameter: 0,18

71 m&p-Xylene

Concentration: 97.7 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

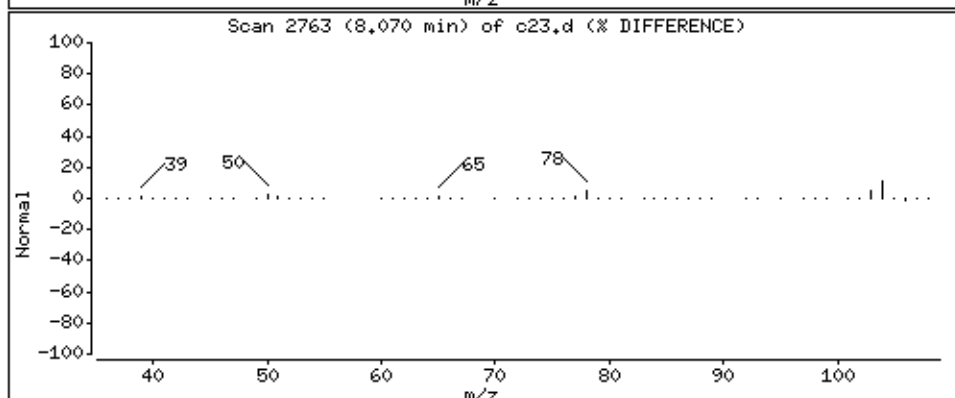
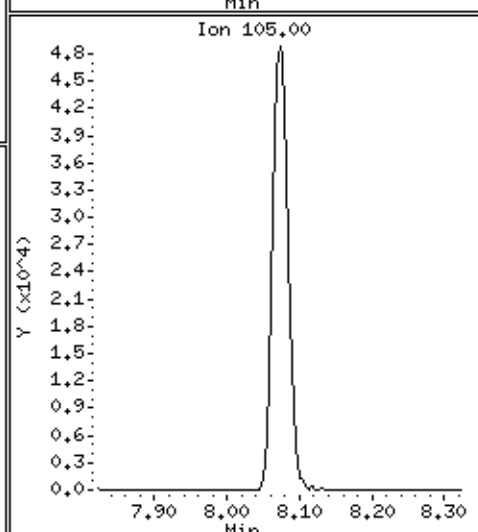
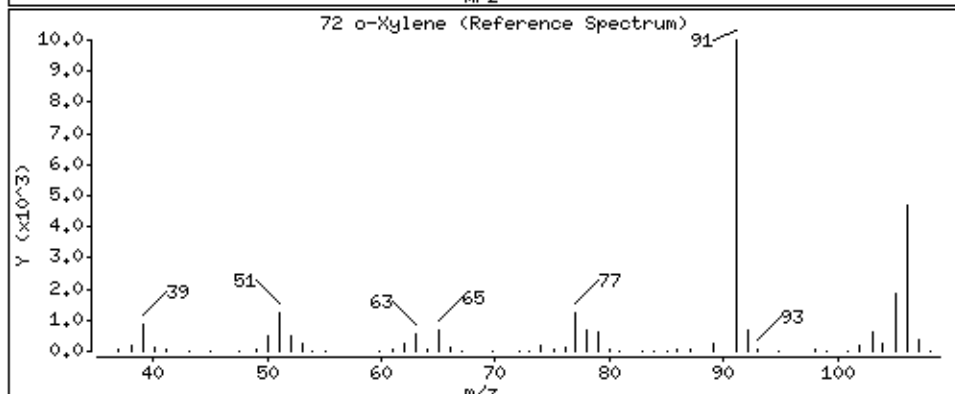
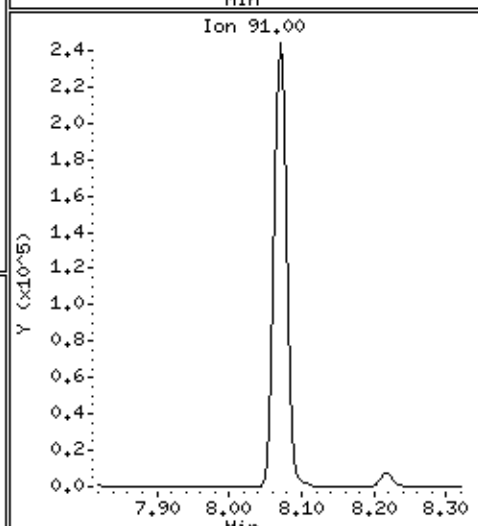
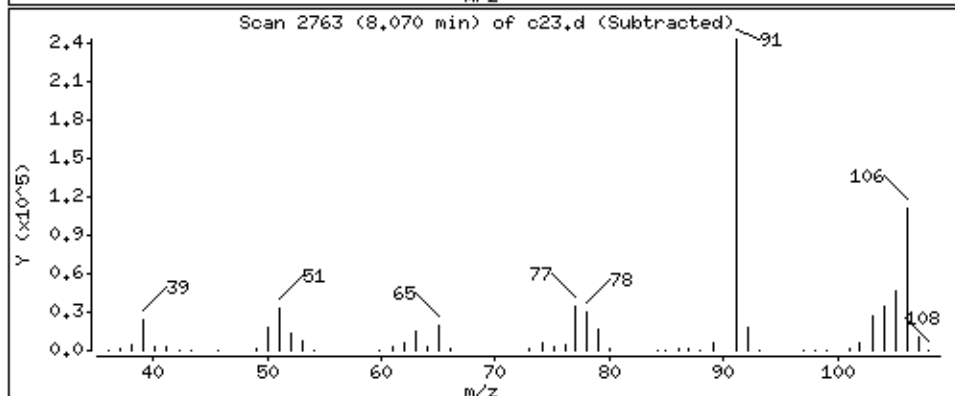
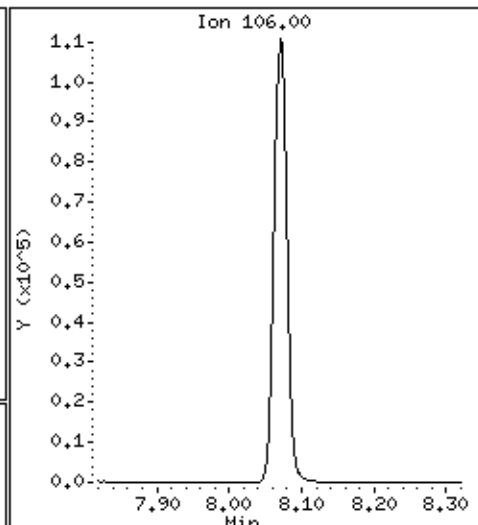
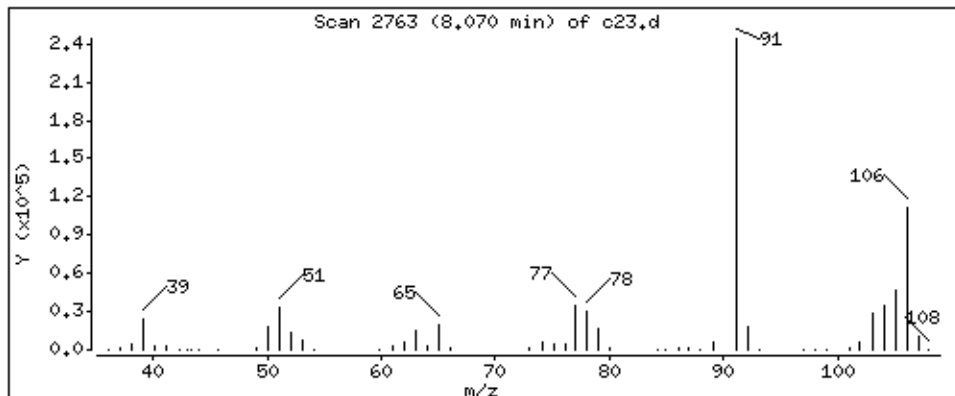
Operator: amv

Column phase: DB-624

Column diameter: 0.18

72 o-Xylene

Concentration: 51.1 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

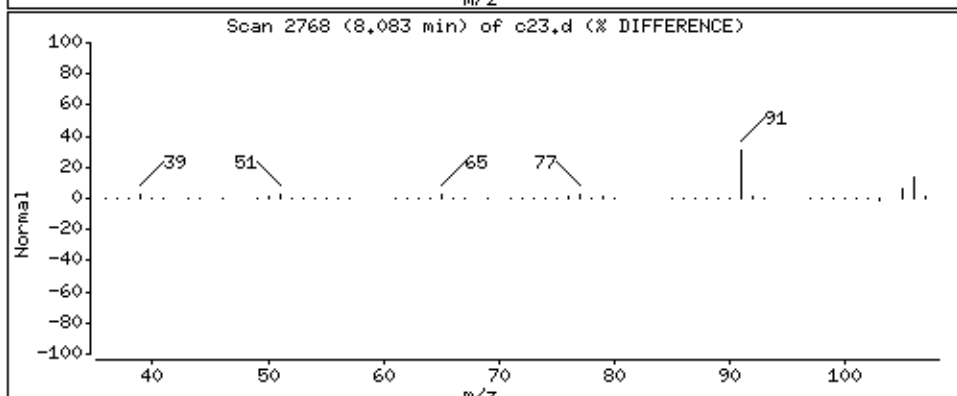
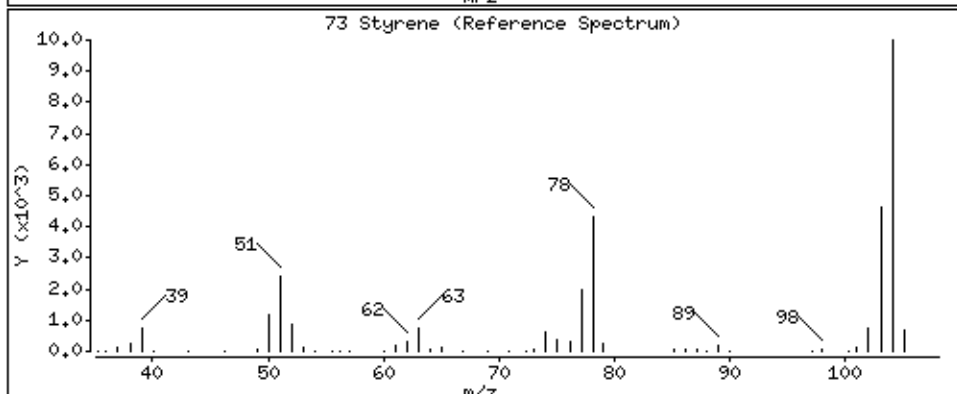
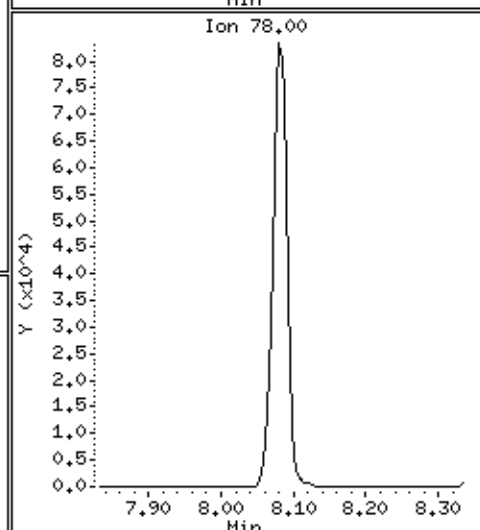
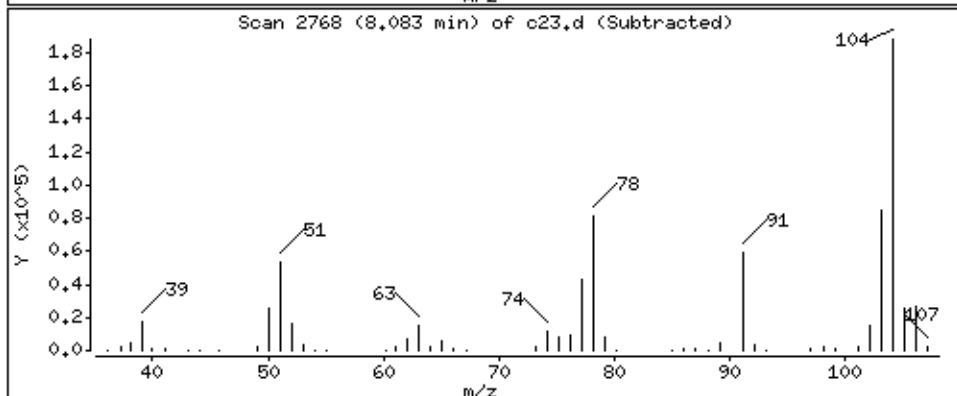
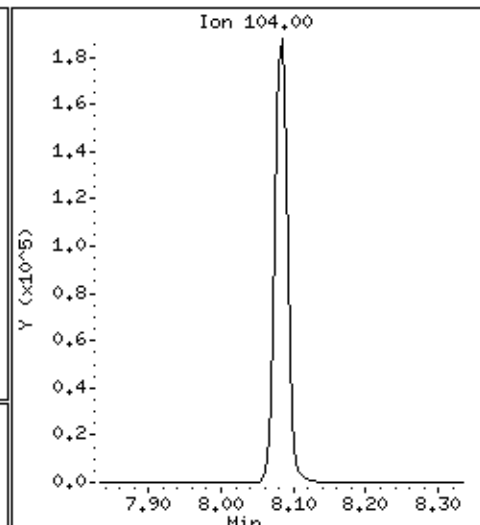
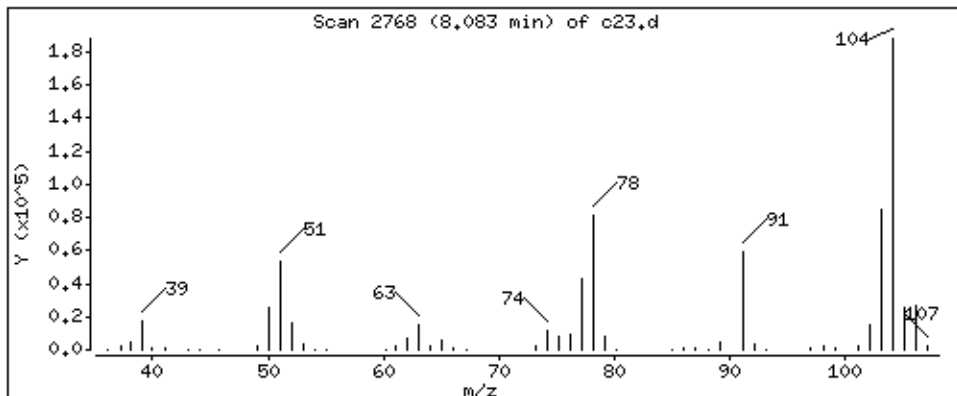
Operator: amv

Column phase: DB-624

Column diameter: 0,18

73 Styrene

Concentration: 50,2 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

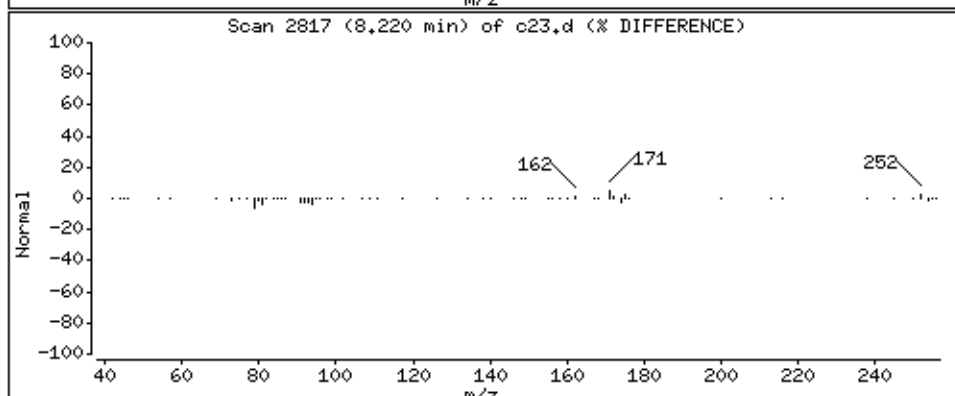
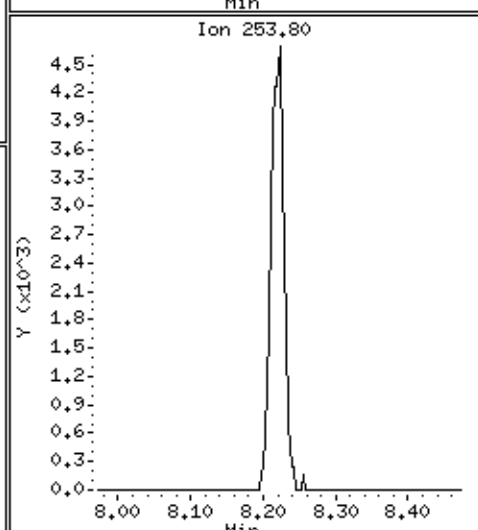
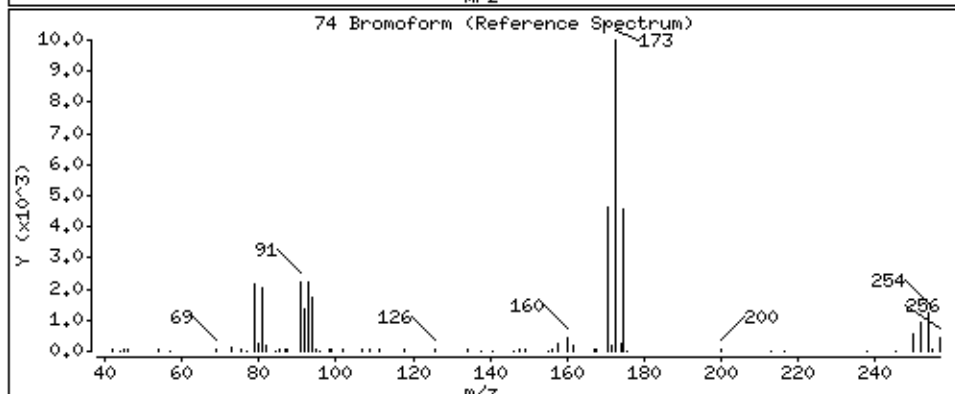
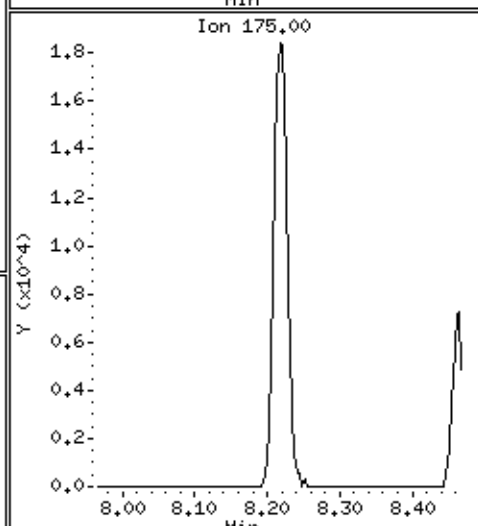
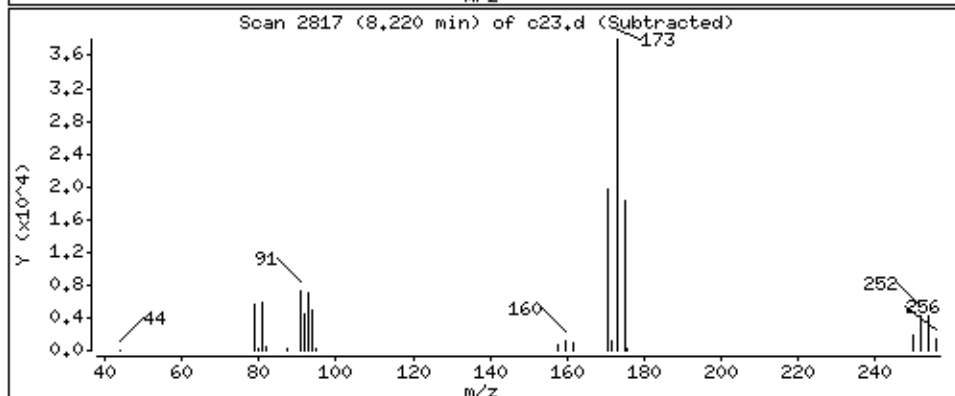
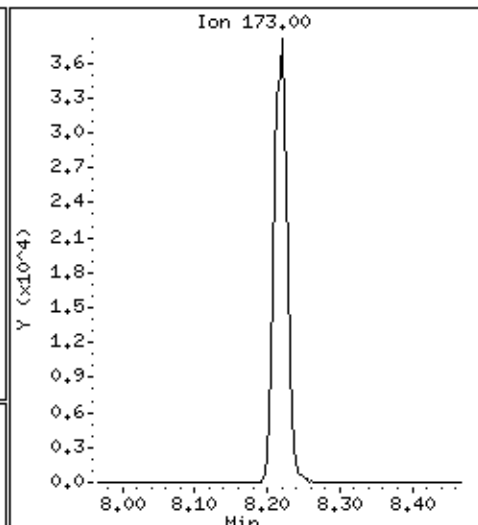
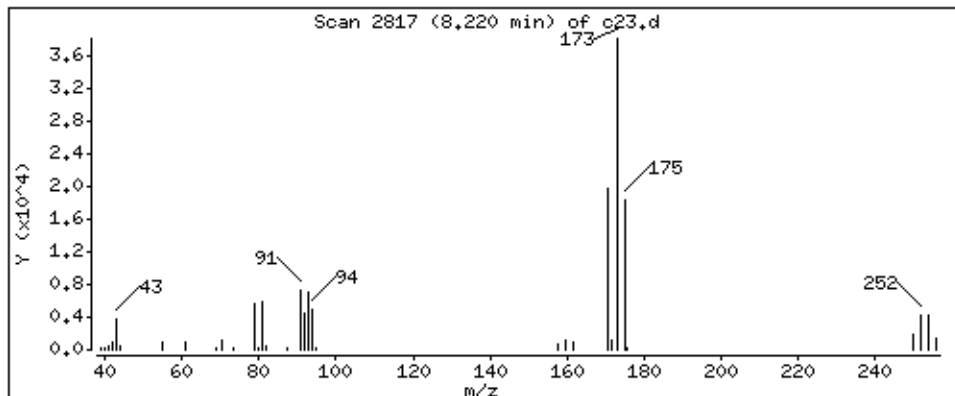
Operator: amv

Column phase: DB-624

Column diameter: 0,18

74 Bromoform

Concentration: 41.7 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

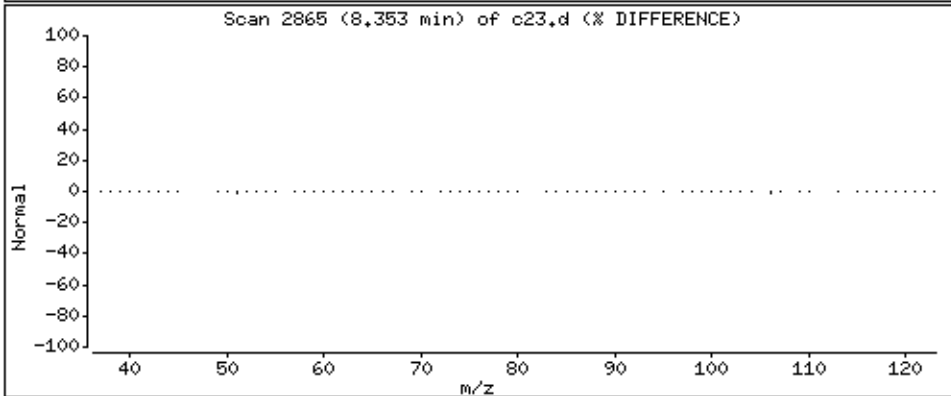
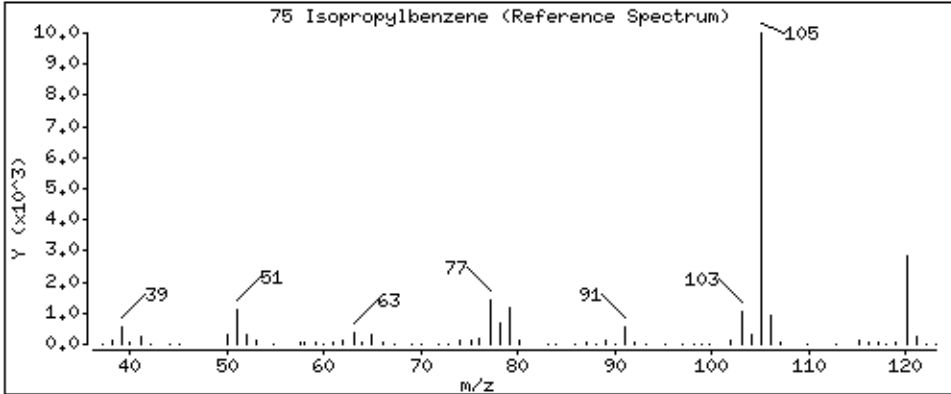
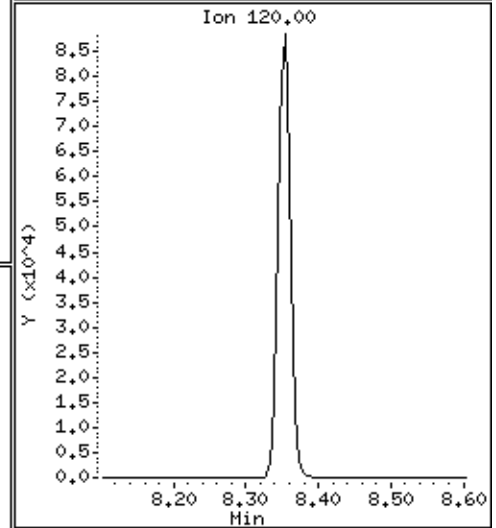
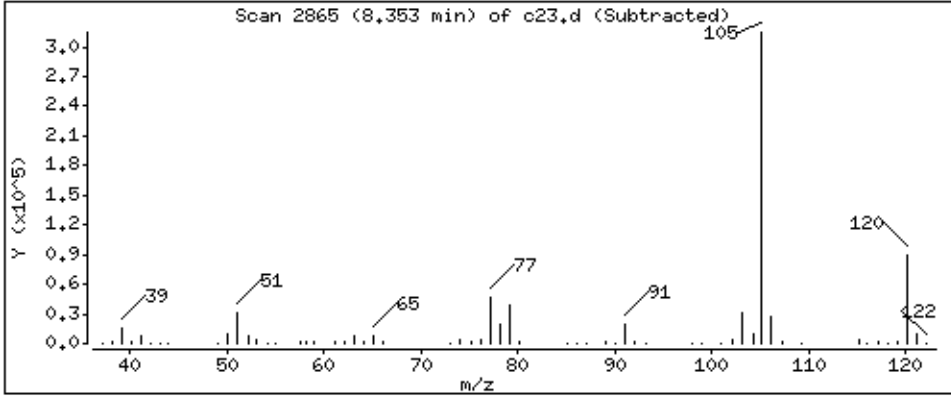
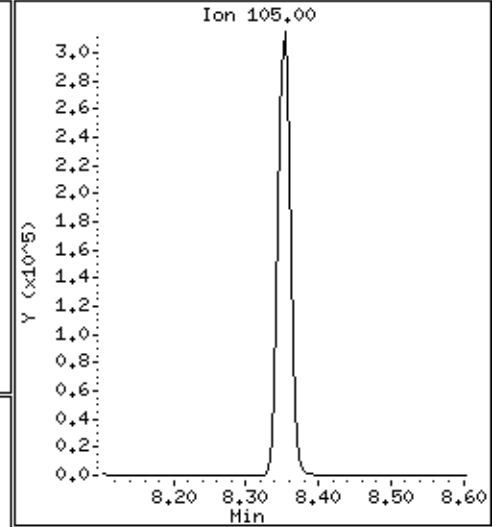
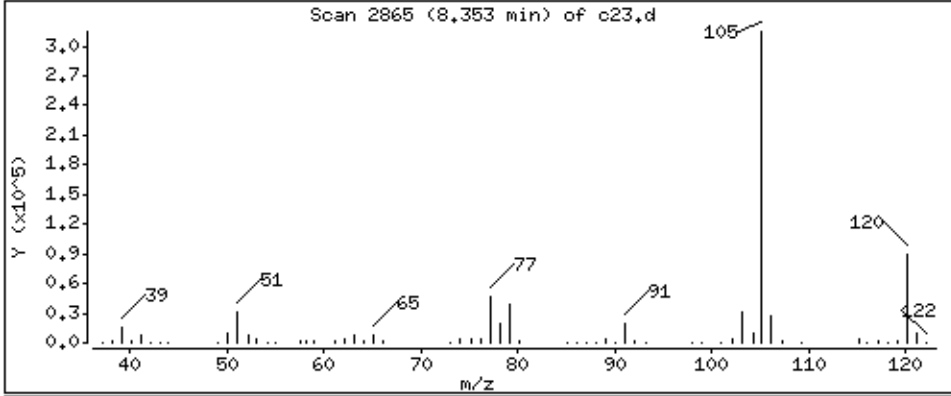
Operator: amv

Column phase: DB-624

Column diameter: 0,18

75 Isopropylbenzene

Concentration: 49.0 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

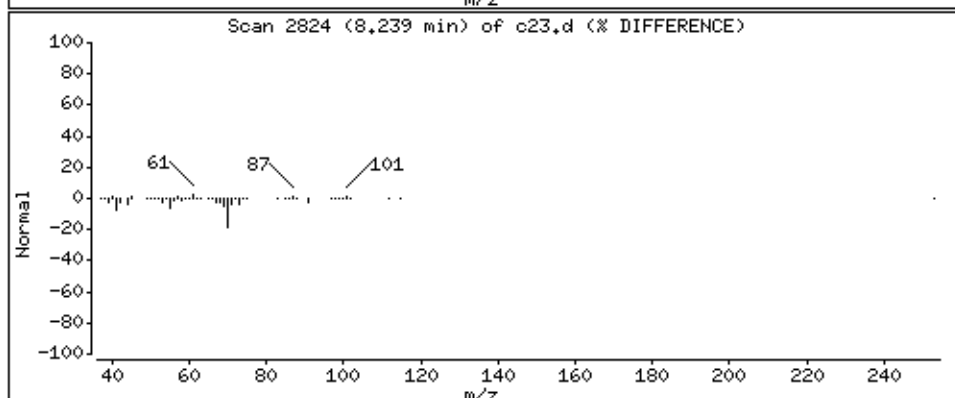
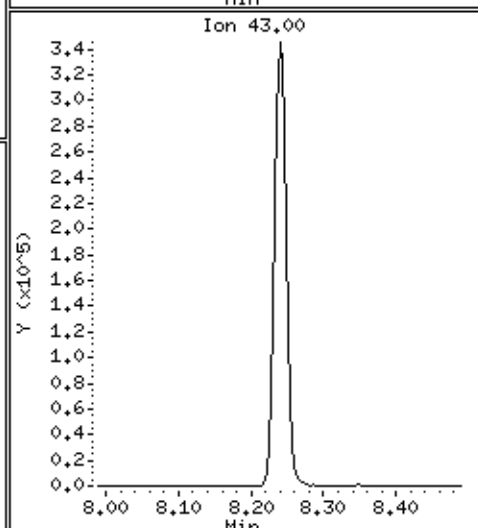
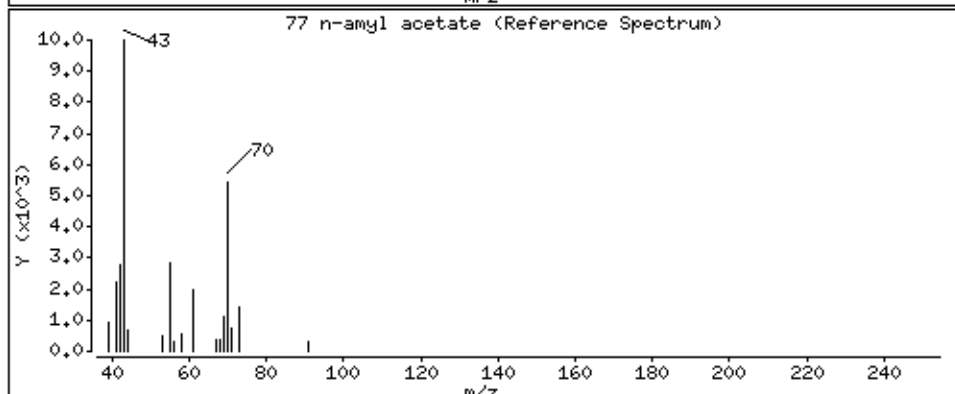
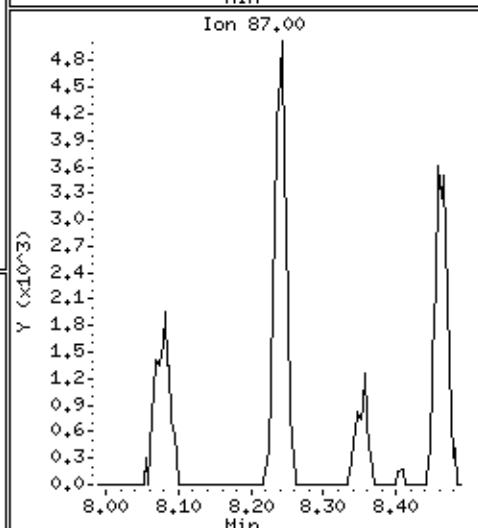
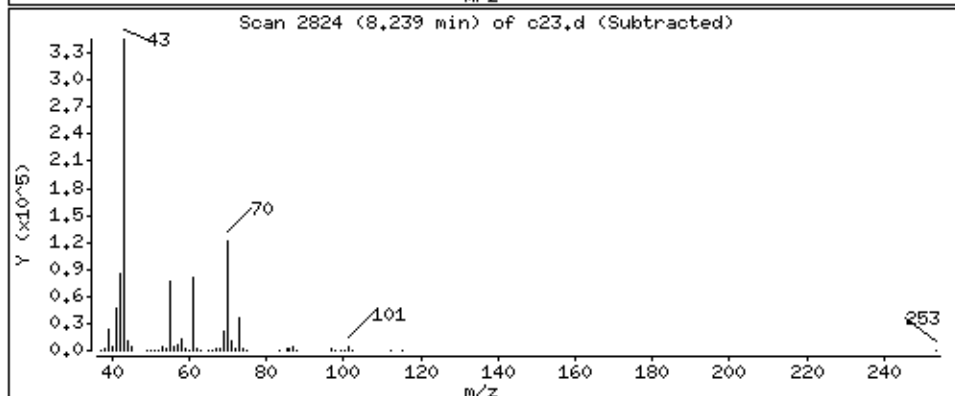
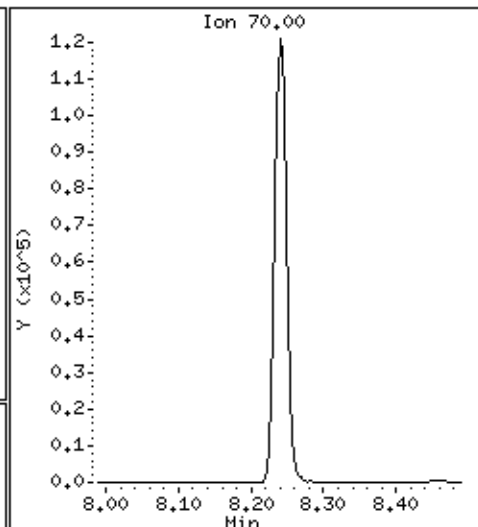
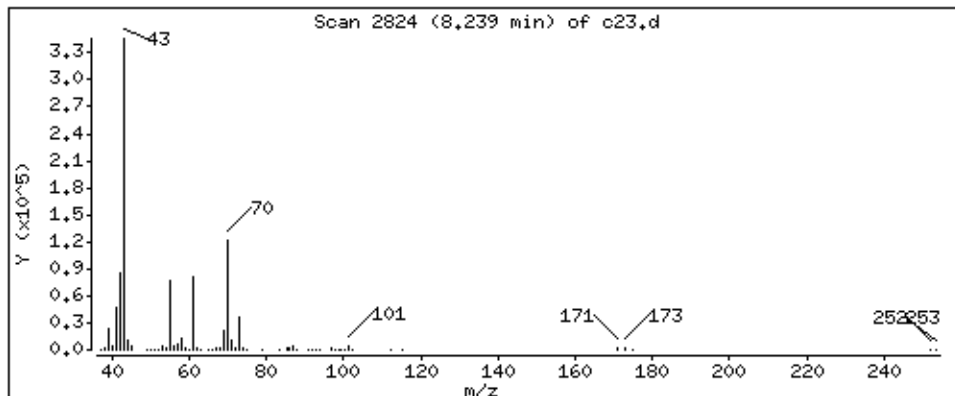
Operator: amv

Column phase: DB-624

Column diameter: 0,18

77 n-nyl acetate

Concentration: 125 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

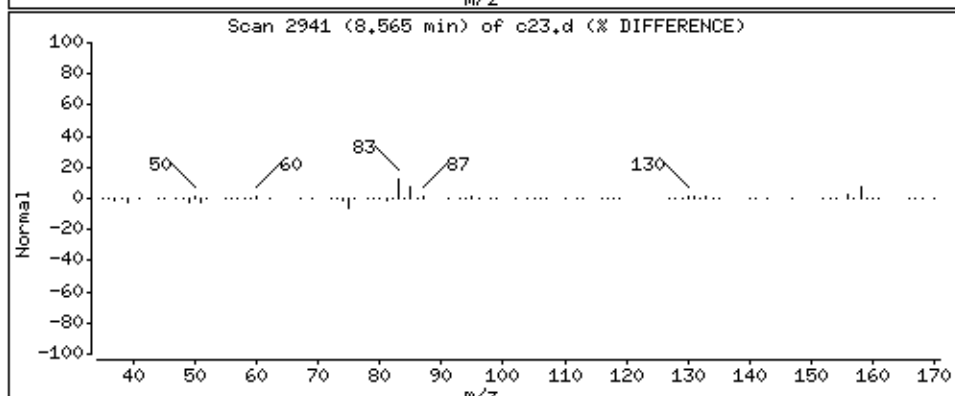
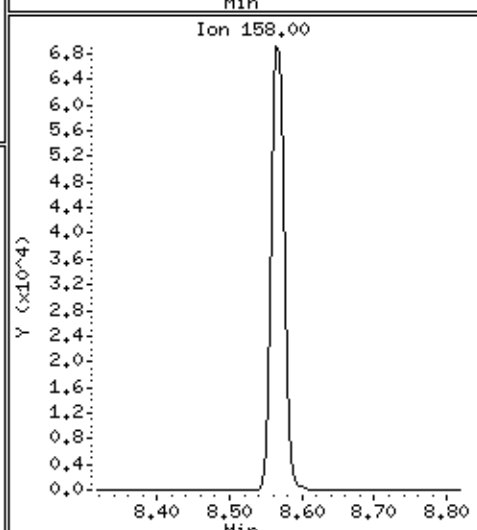
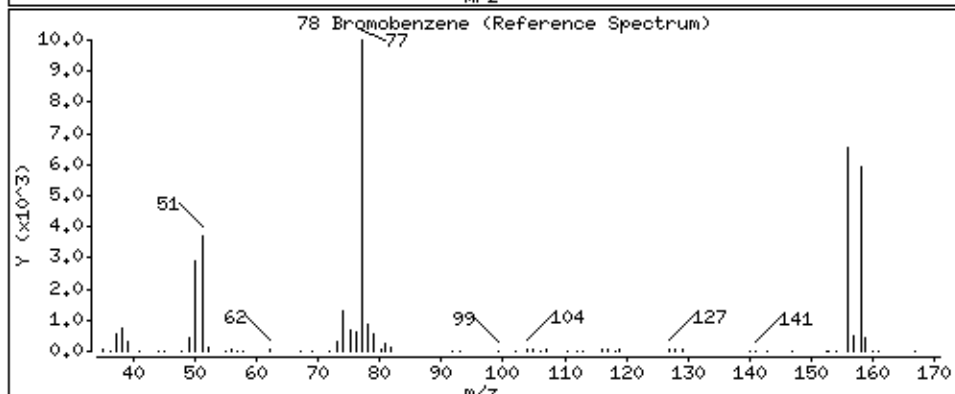
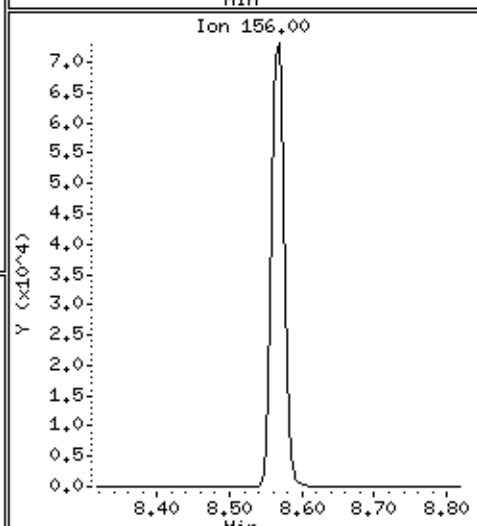
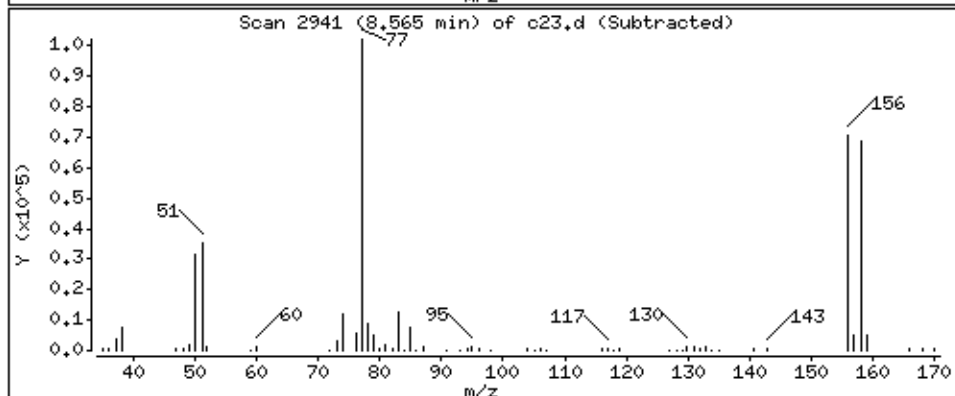
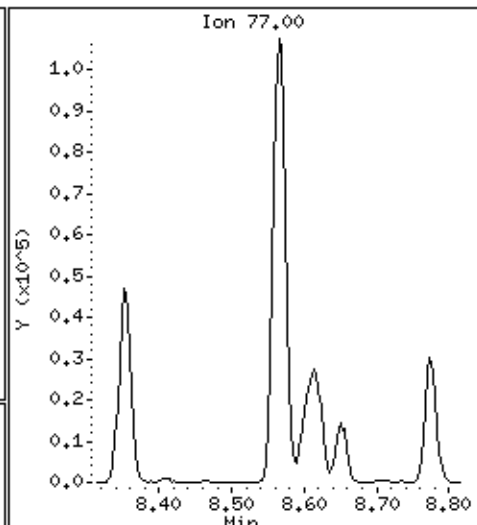
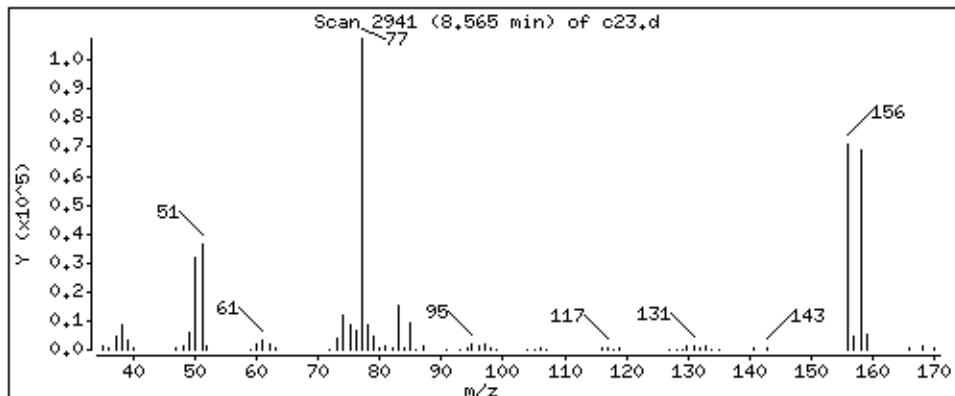
Operator: amv

Column phase: DB-624

Column diameter: 0,18

78 Bromobenzene

Concentration: 48,6 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

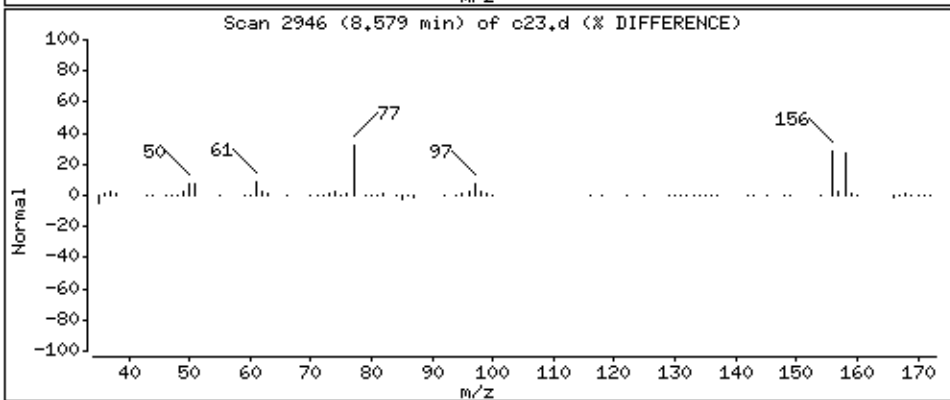
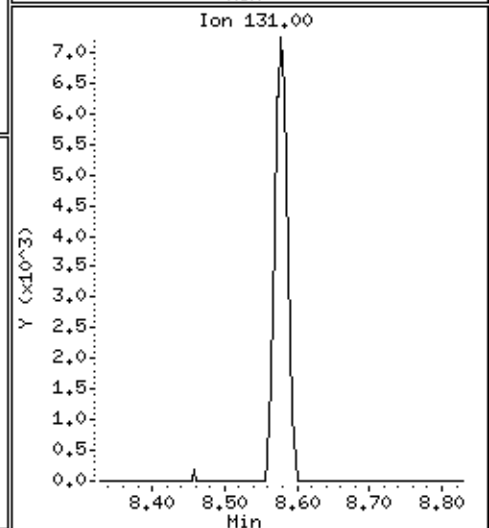
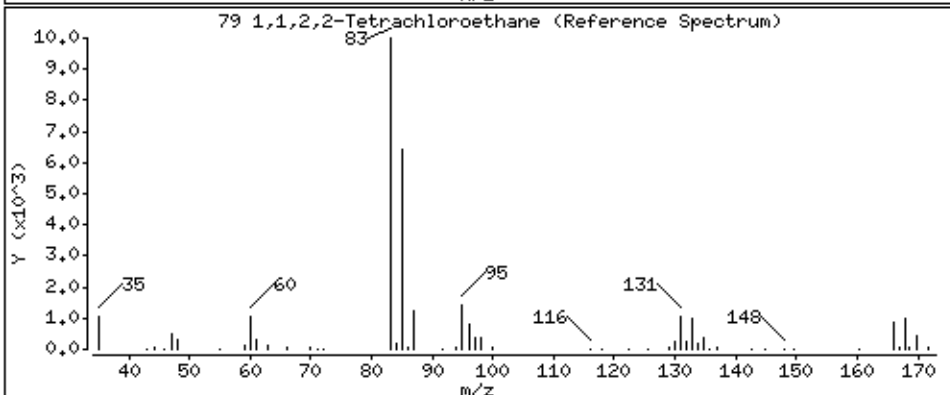
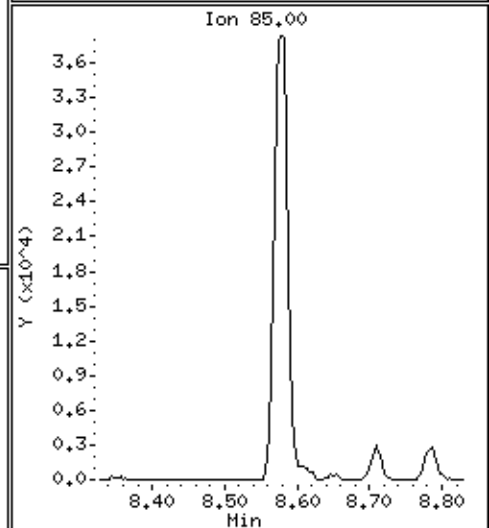
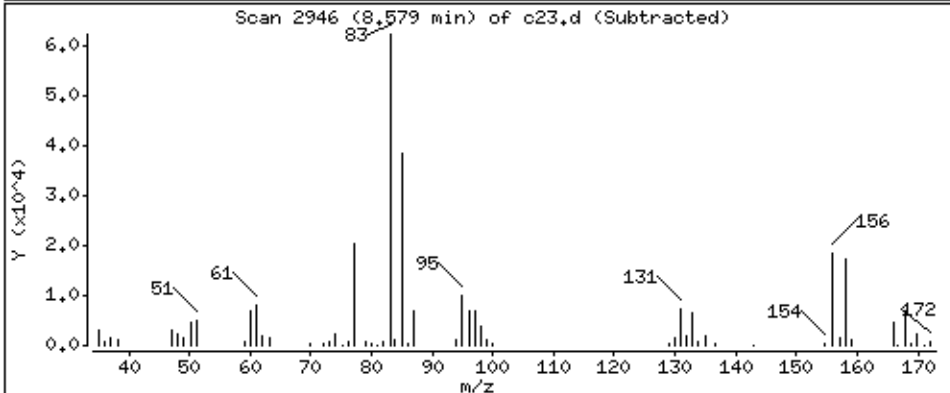
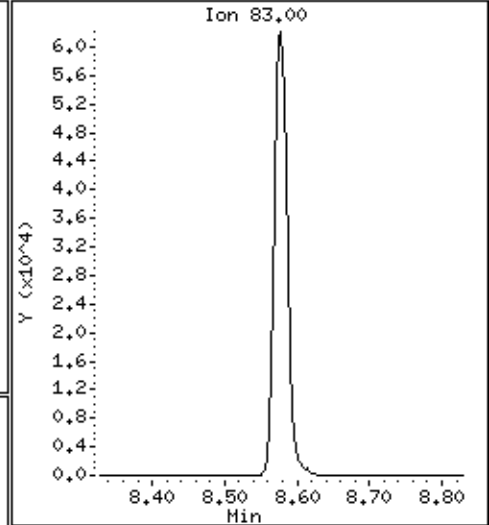
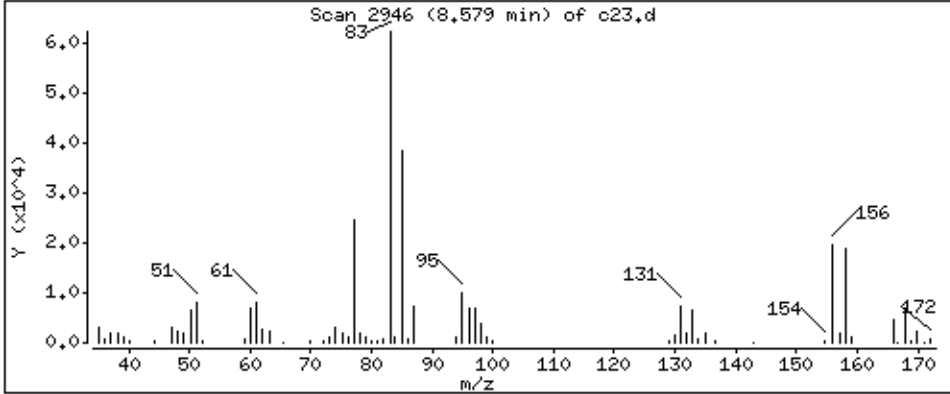
Operator: amv

Column phase: DB-624

Column diameter: 0,18

79 1,1,2,2-Tetrachloroethane

Concentration: 42,5 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

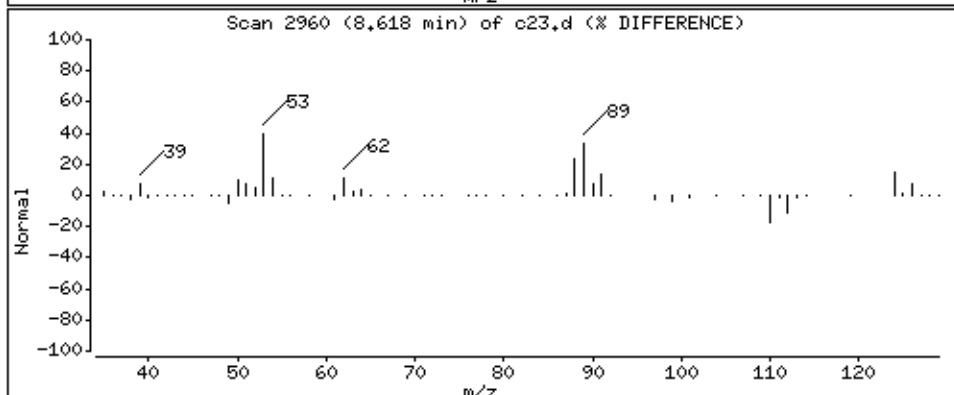
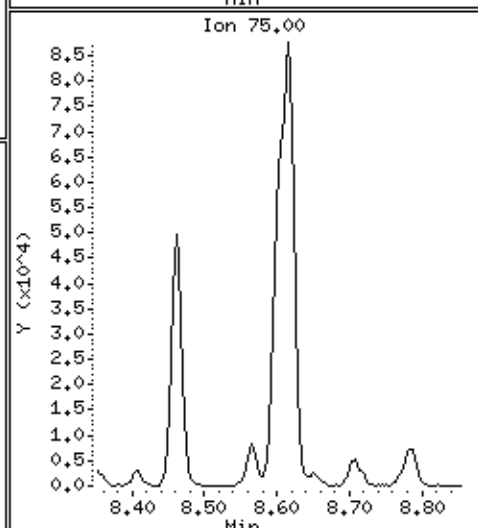
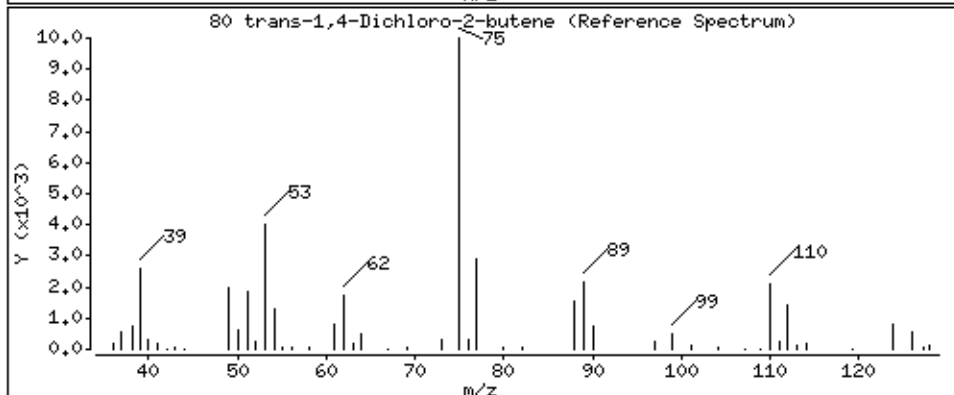
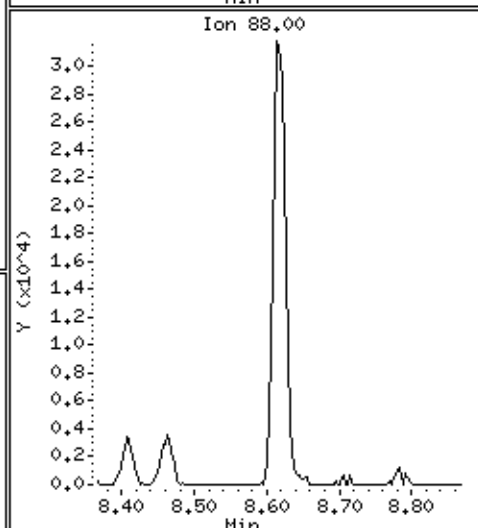
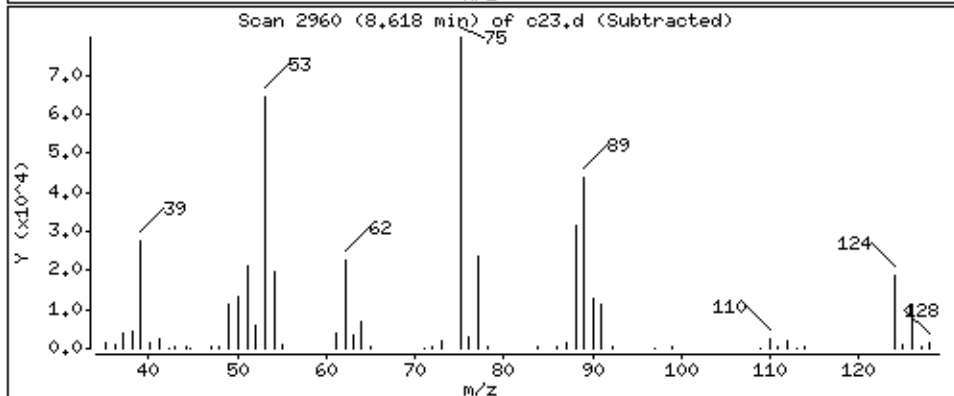
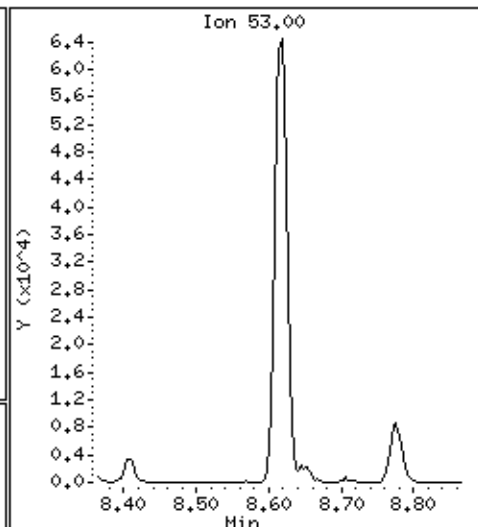
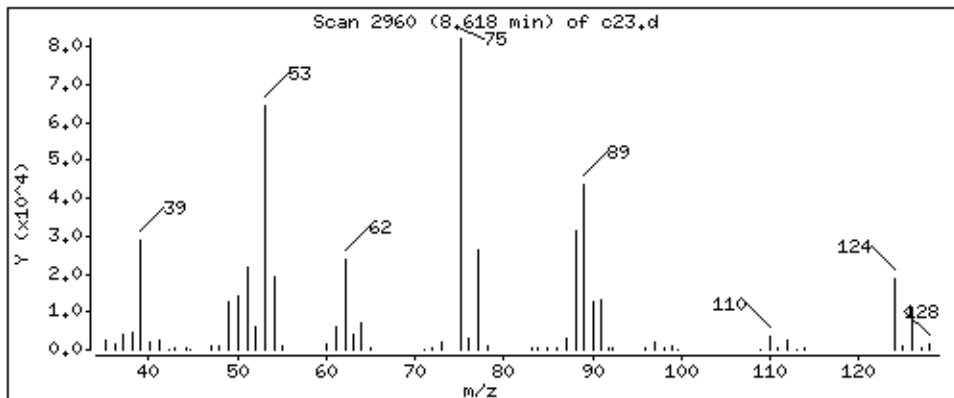
Operator: amv

Column phase: DB-624

Column diameter: 0,18

80 trans-1,4-Dichloro-2-butene

Concentration: 124 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

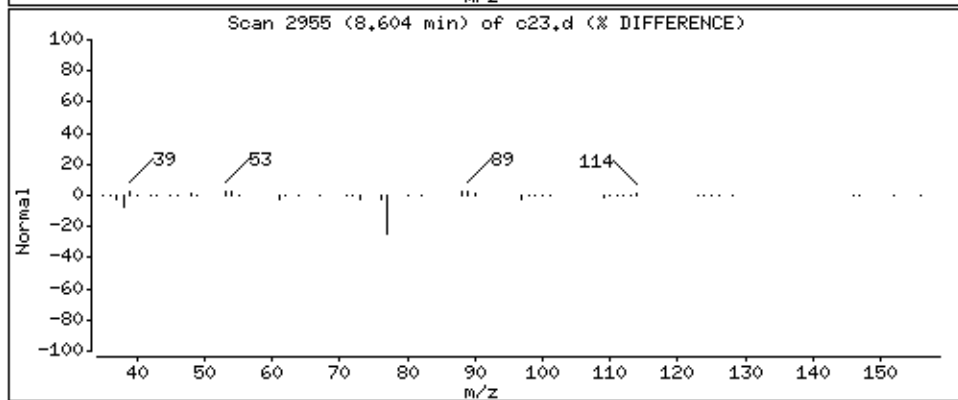
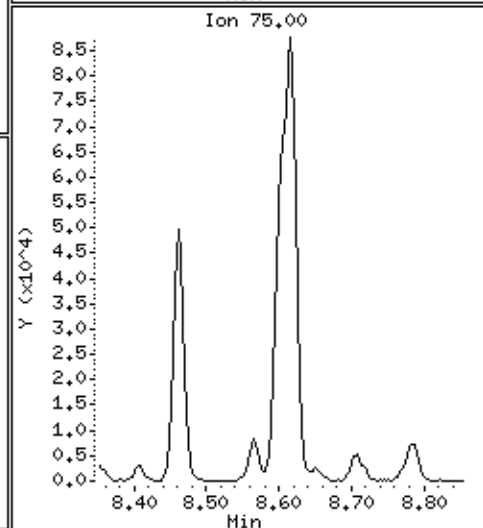
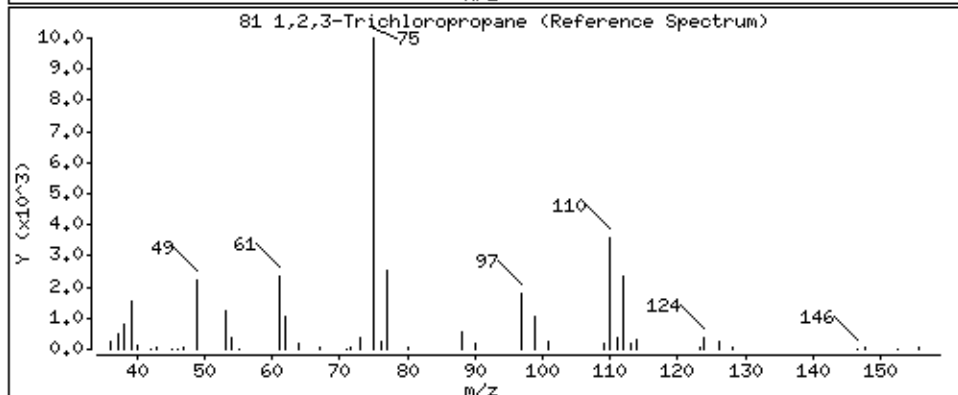
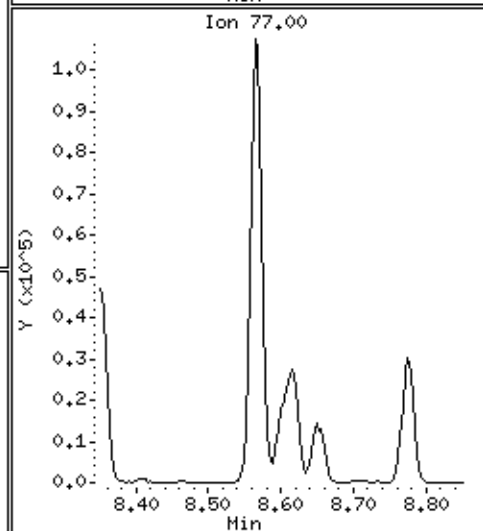
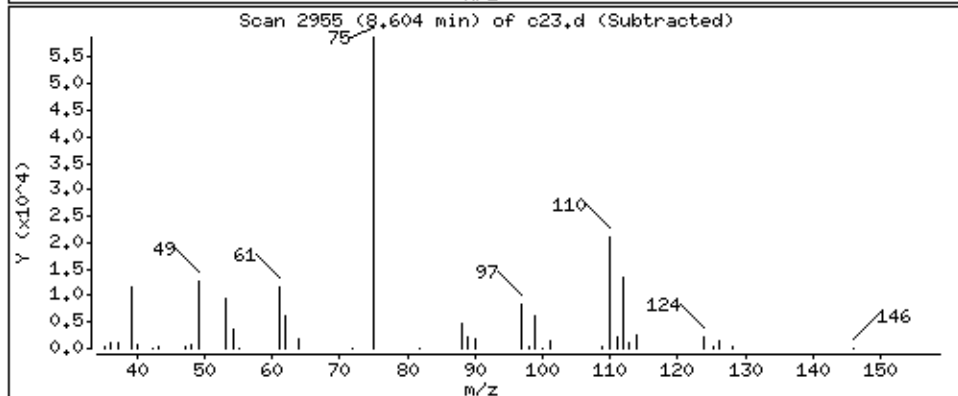
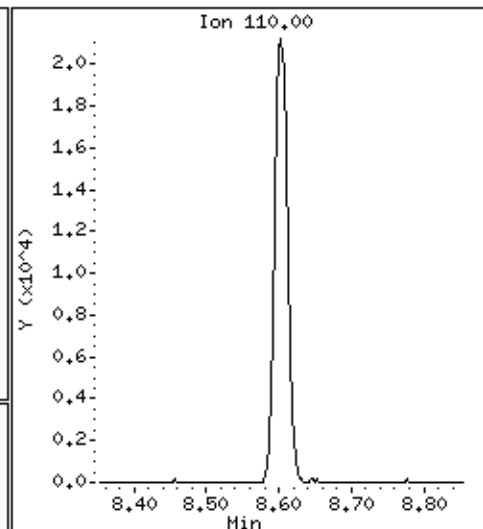
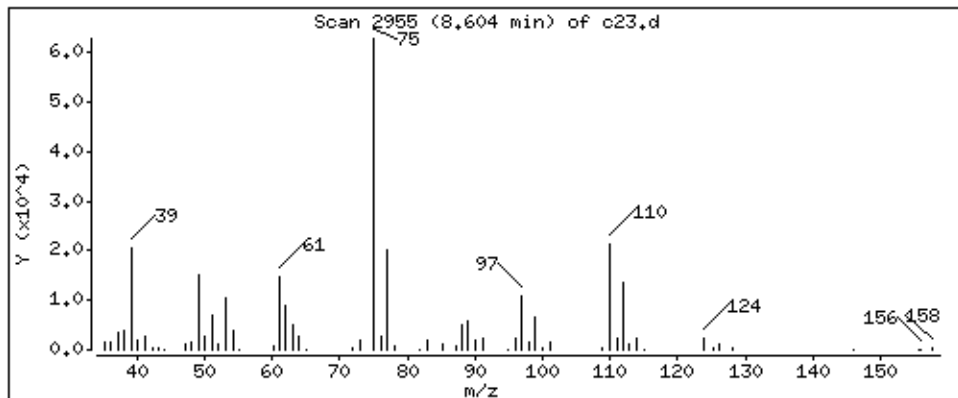
Operator: amv

Column phase: DB-624

Column diameter: 0,18

81 1,2,3-Trichloropropane

Concentration: 45,5 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

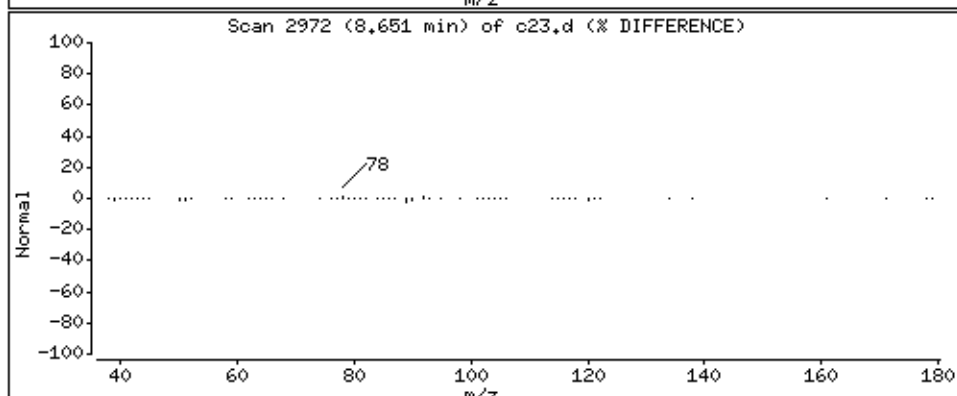
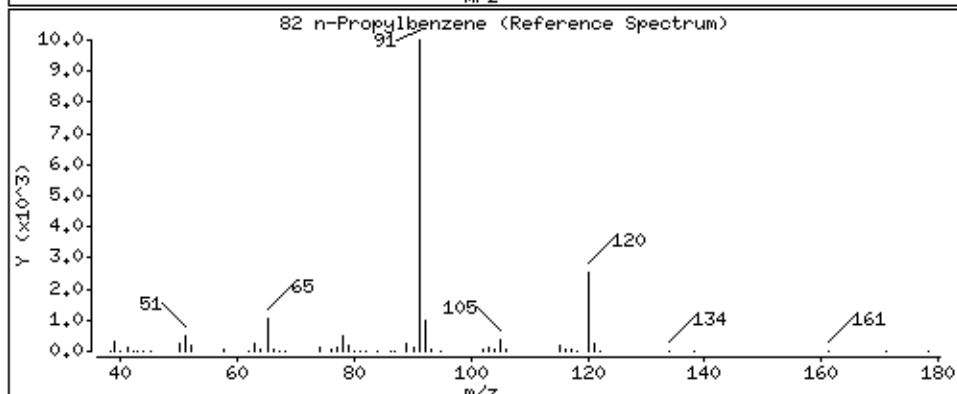
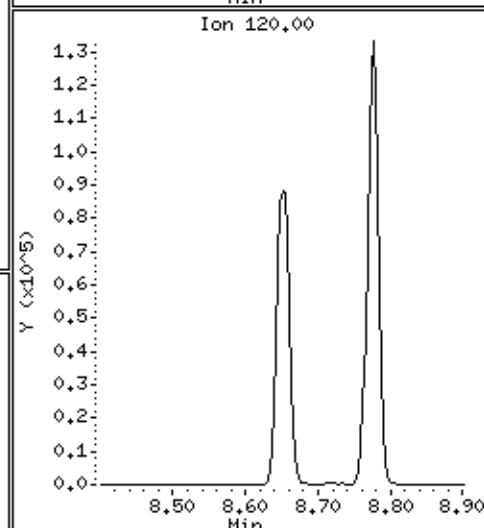
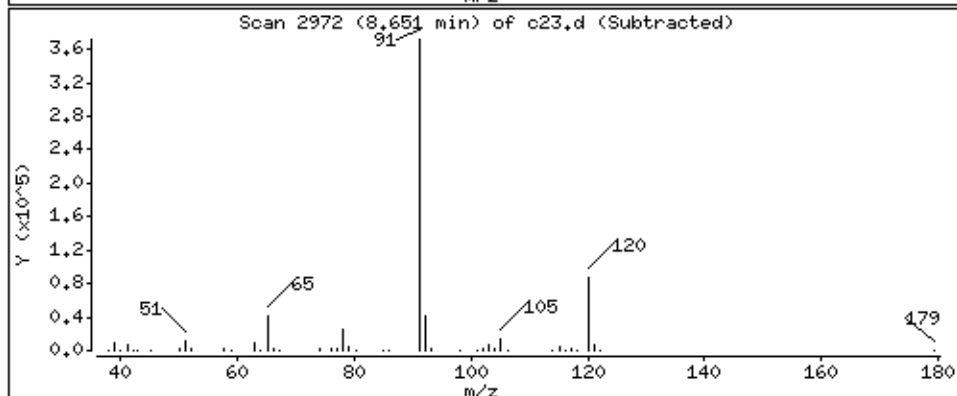
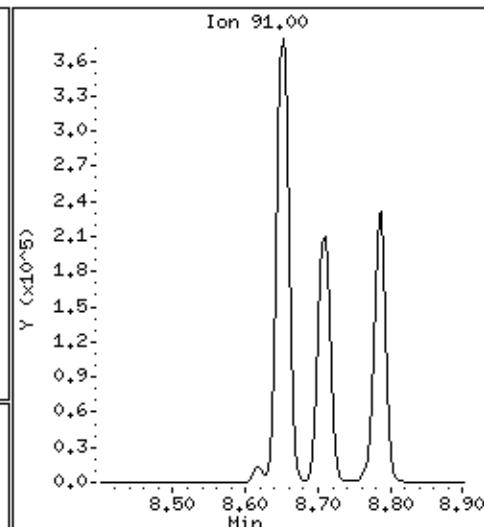
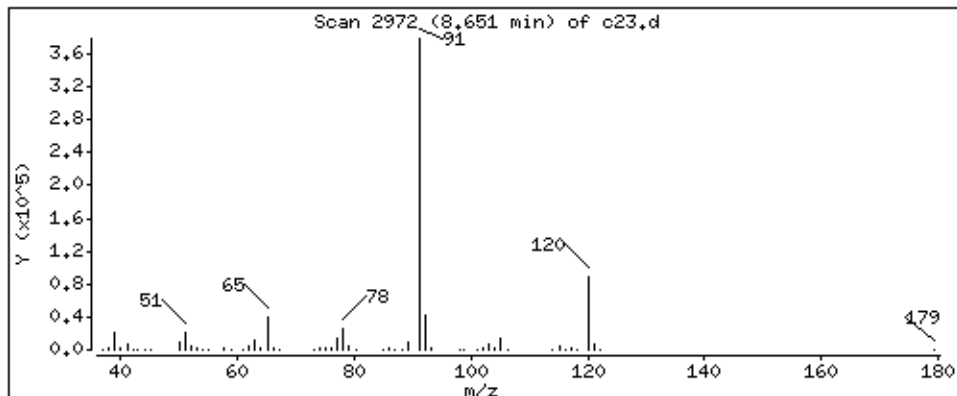
Operator: amv

Column phase: DB-624

Column diameter: 0,18

82 n-Propylbenzene

Concentration: 48,8 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

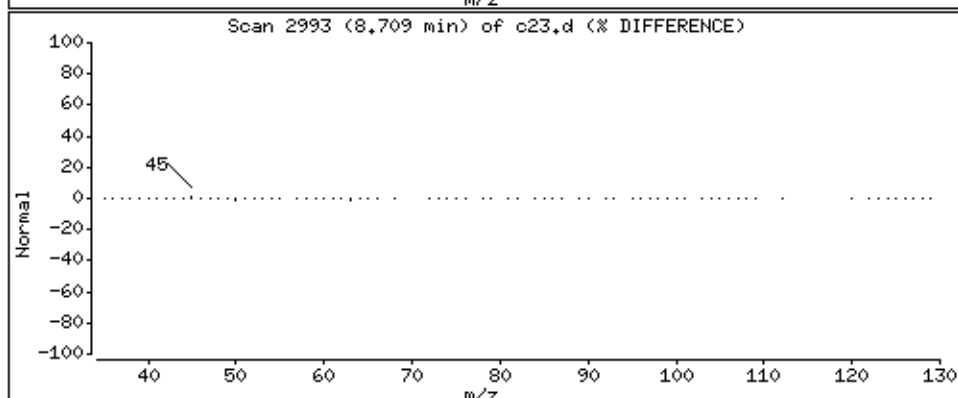
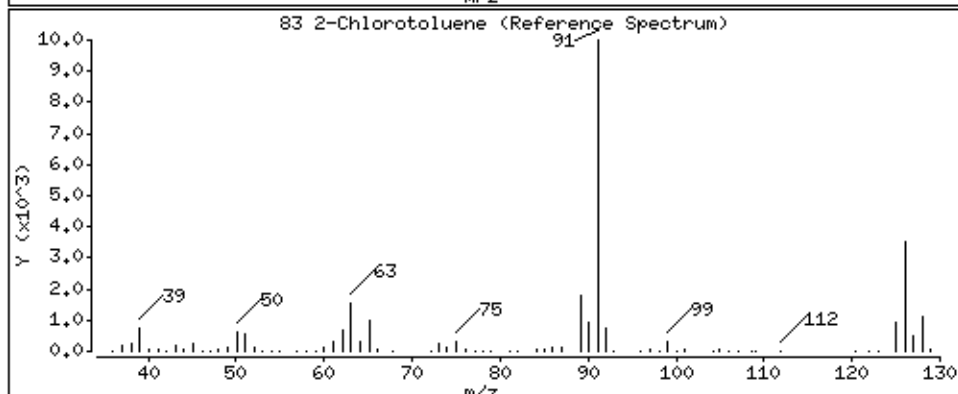
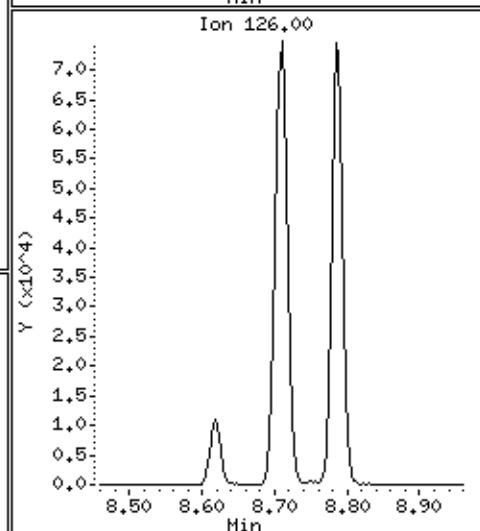
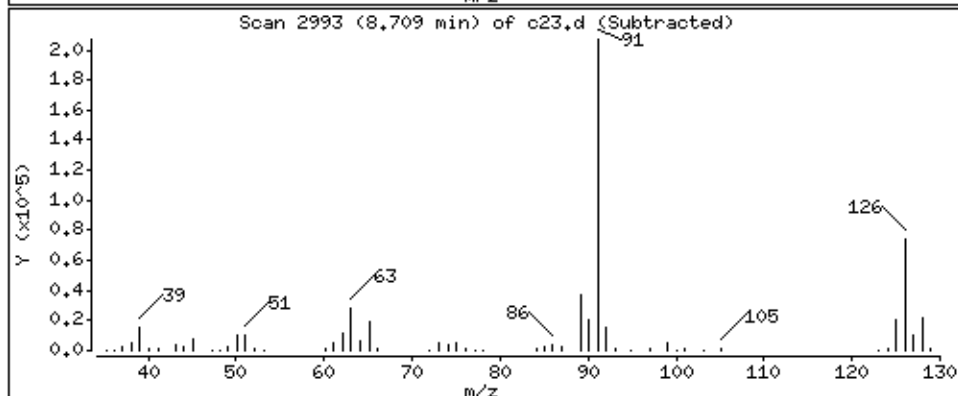
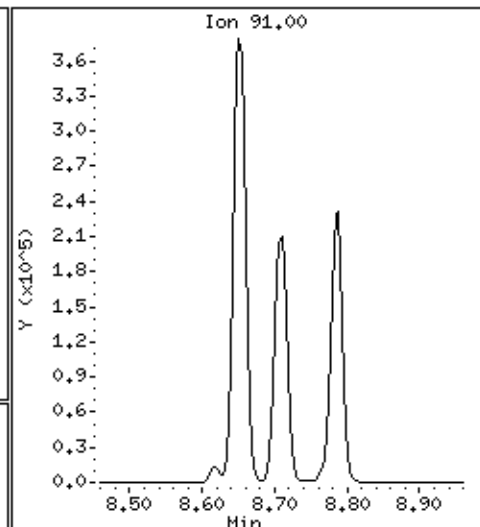
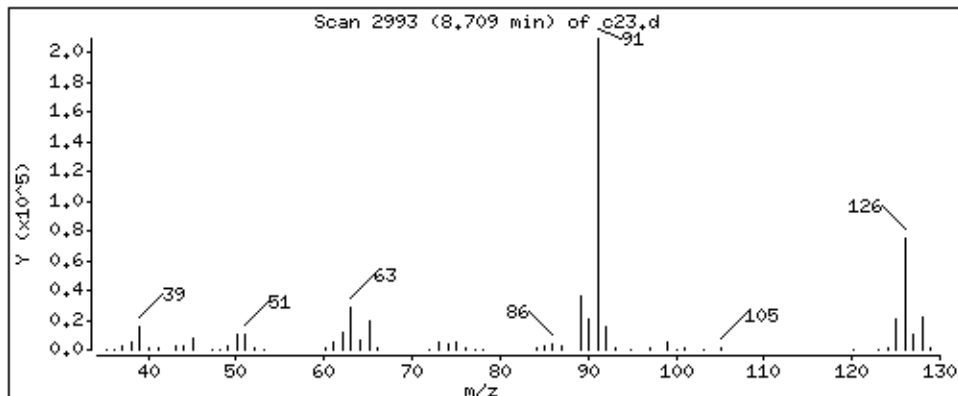
Operator: amv

Column phase: DB-624

Column diameter: 0,18

83 2-Chlorotoluene

Concentration: 50,7 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

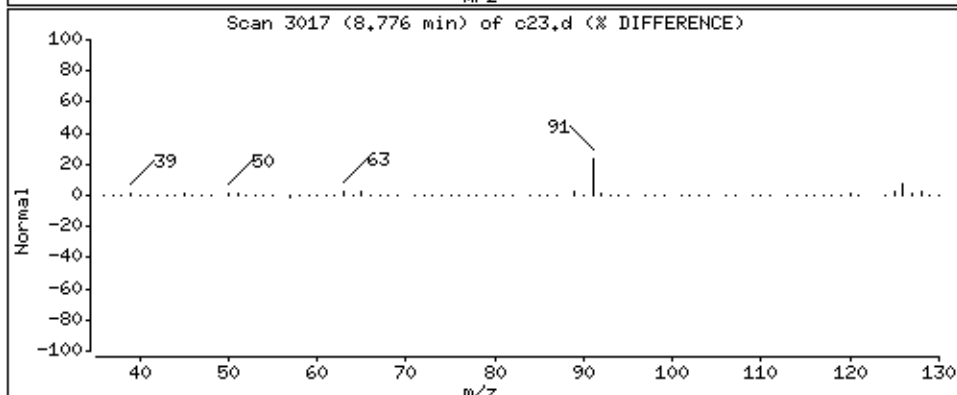
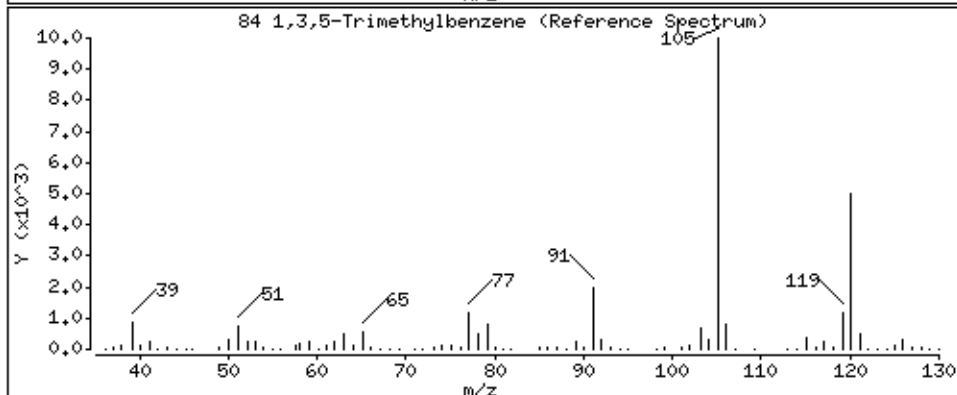
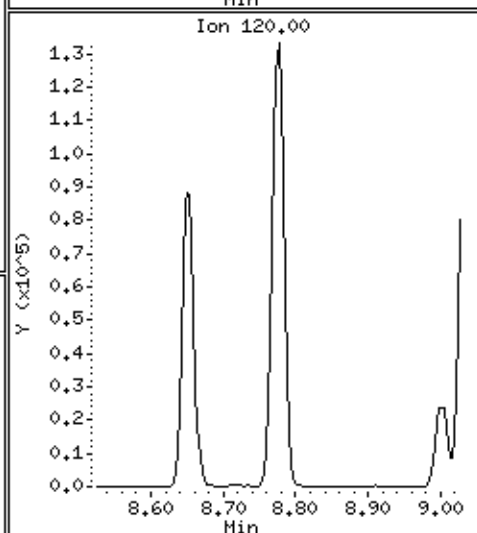
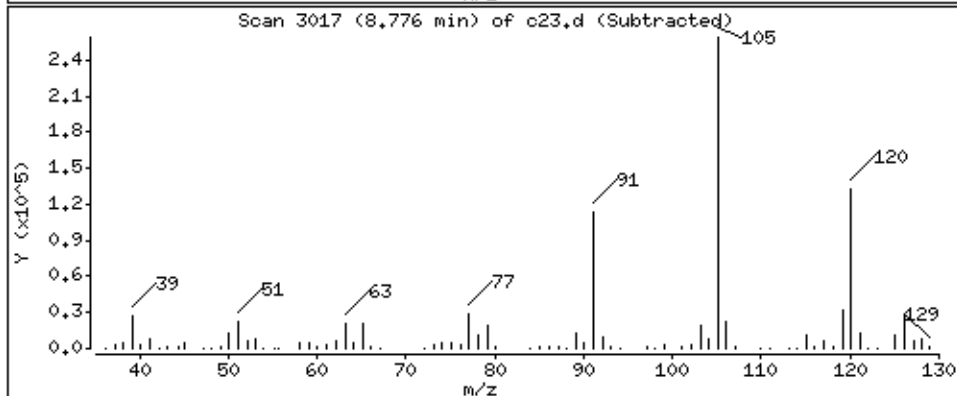
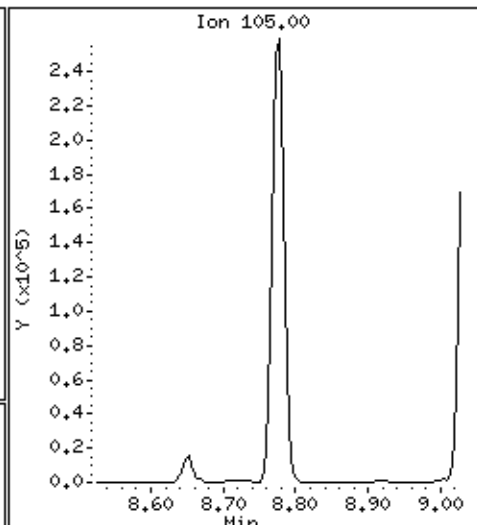
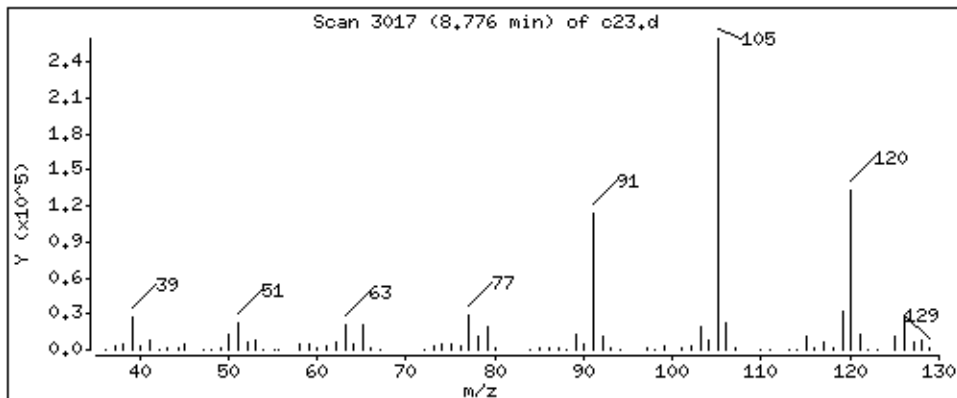
Operator: amv

Column phase: DB-624

Column diameter: 0,18

84 1,3,5-Trimethylbenzene

Concentration: 46,3 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

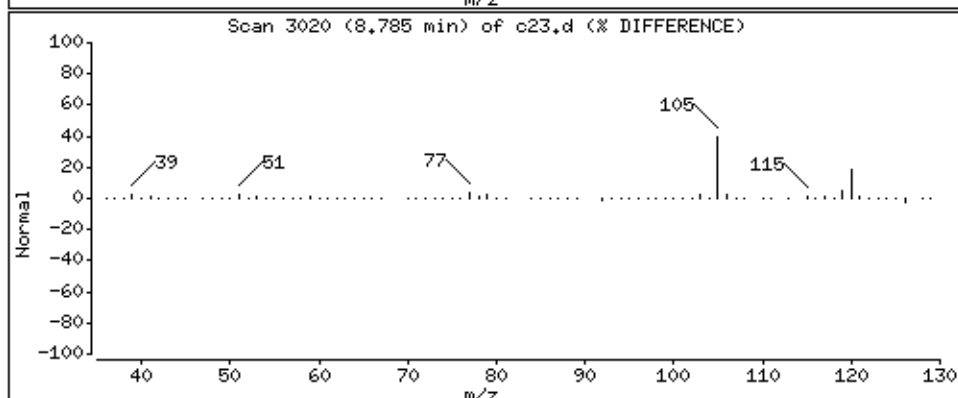
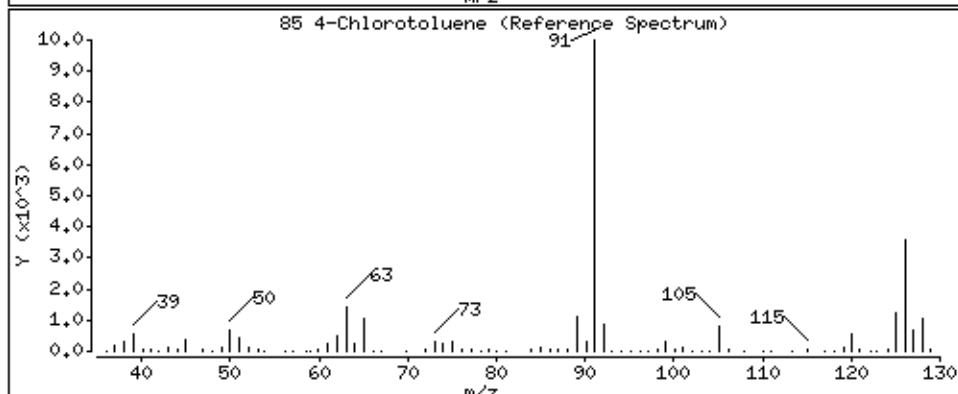
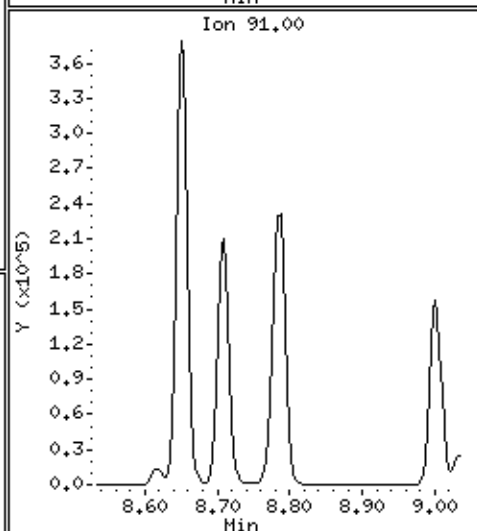
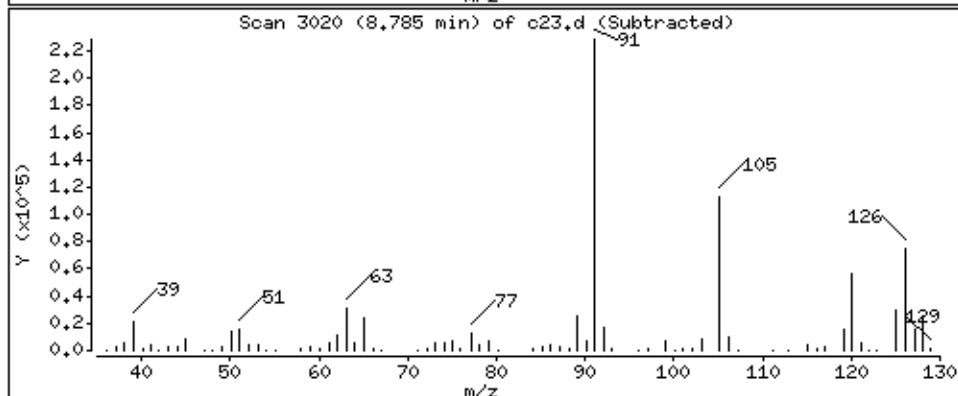
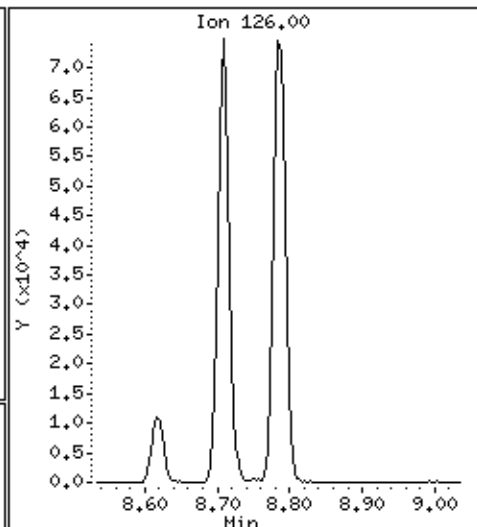
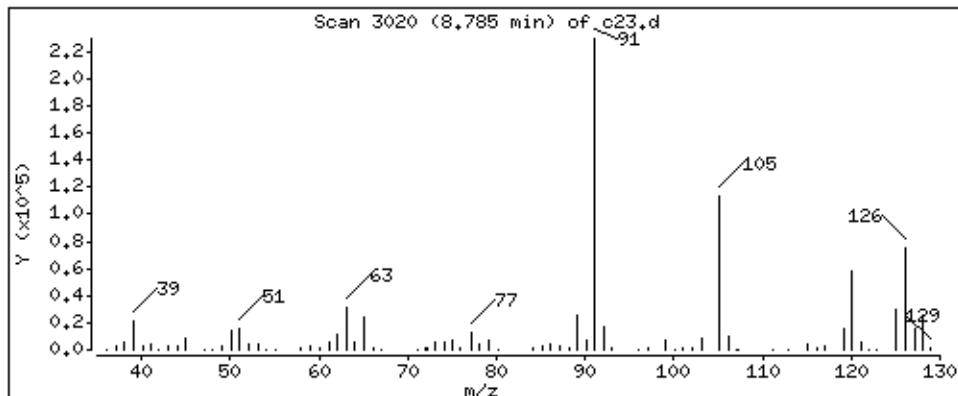
Operator: amv

Column phase: DB-624

Column diameter: 0,18

85 4-Chlorotoluene

Concentration: 49,5 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

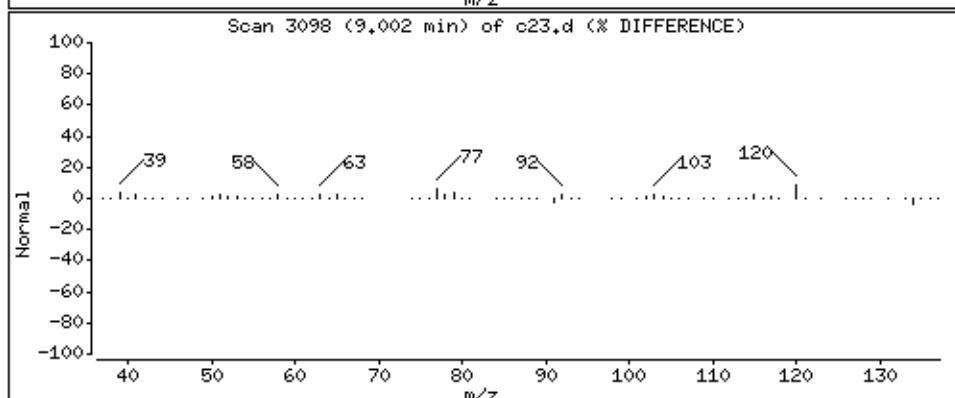
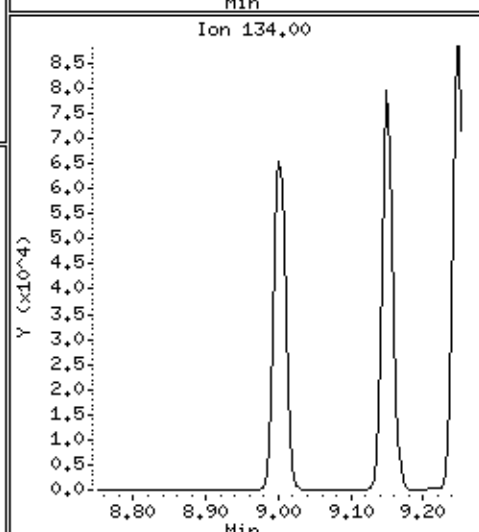
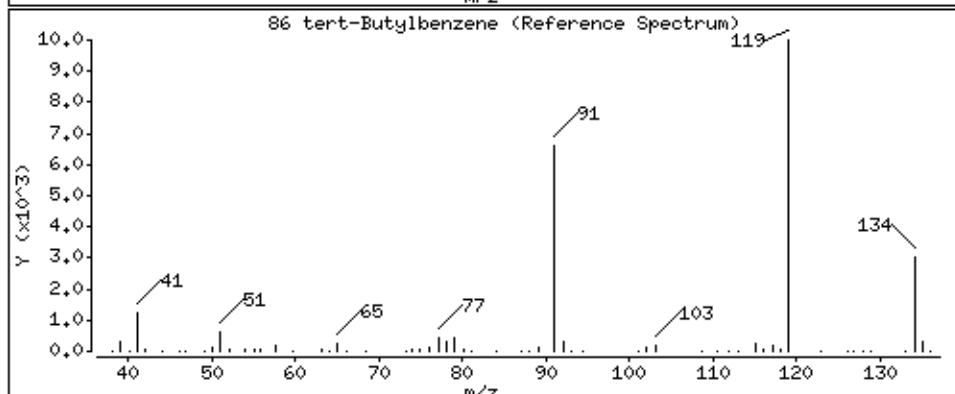
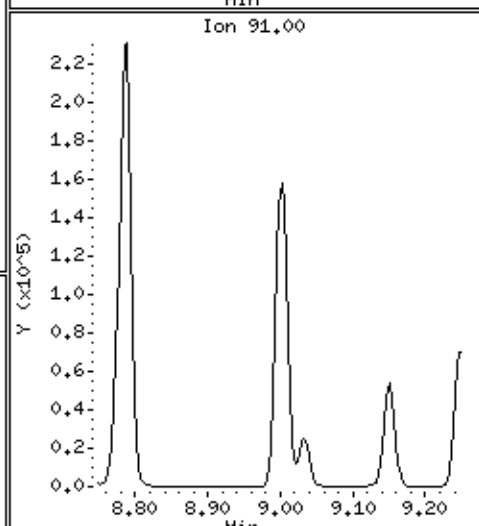
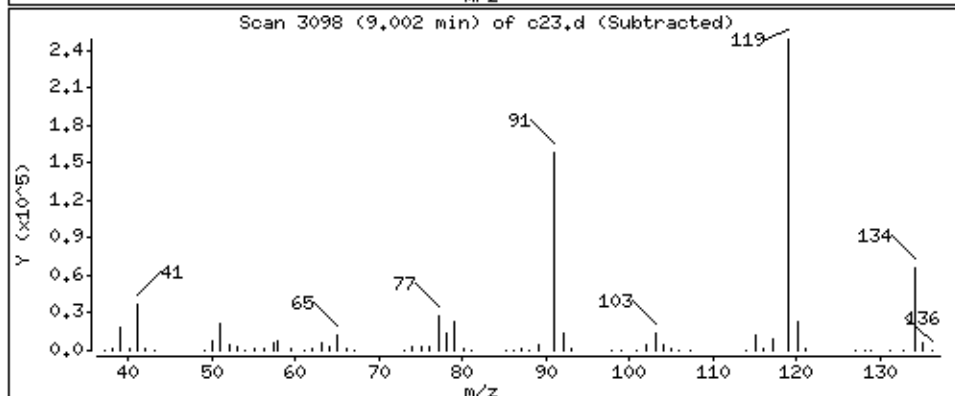
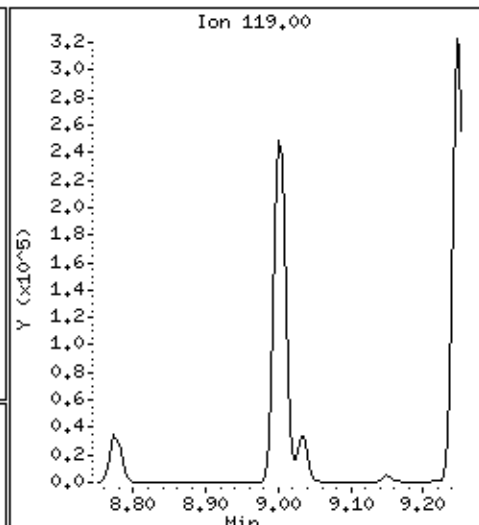
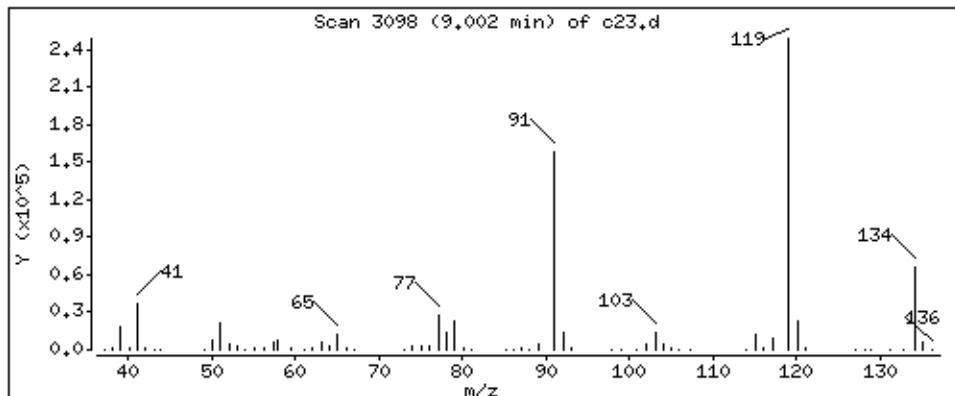
Operator: amv

Column phase: DB-624

Column diameter: 0,18

86 tert-Butylbenzene

Concentration: 44.0 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

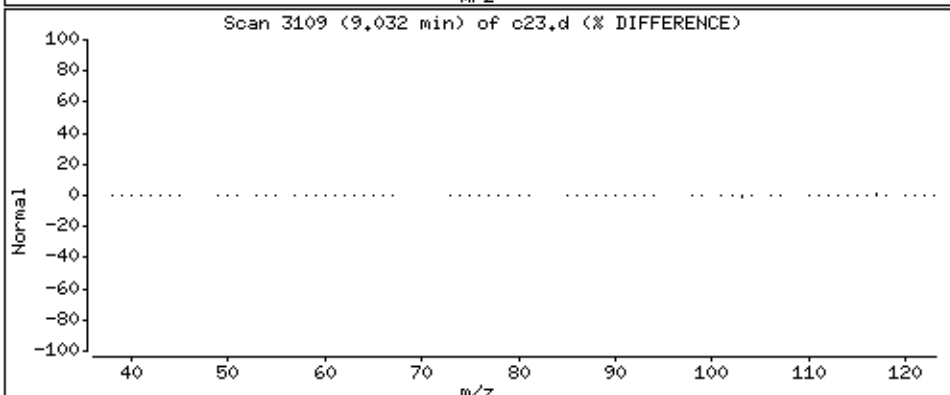
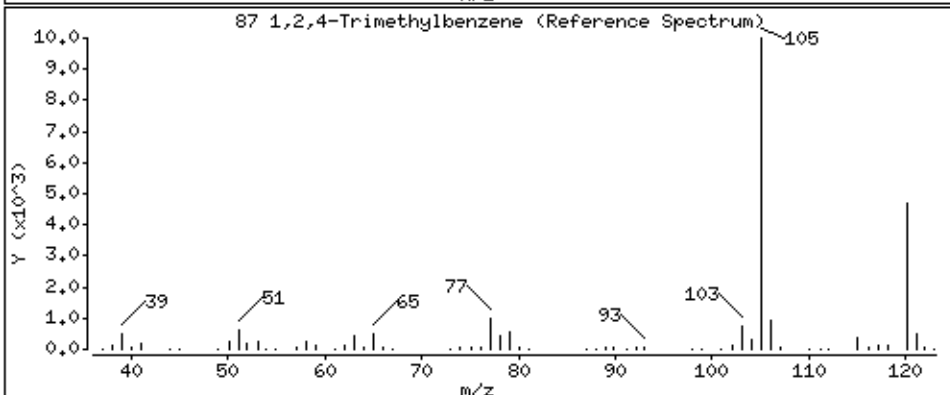
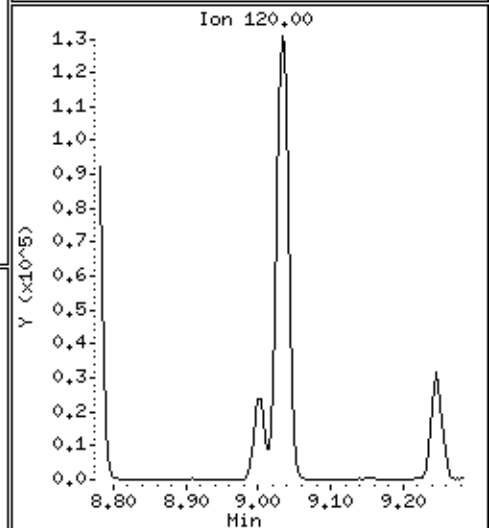
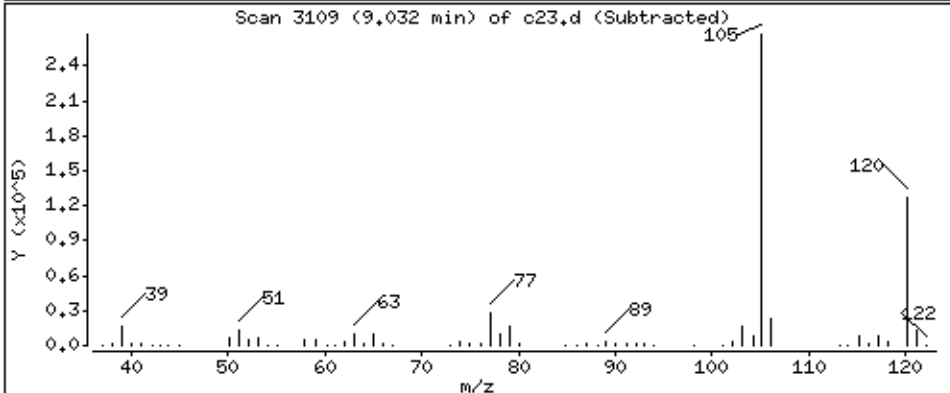
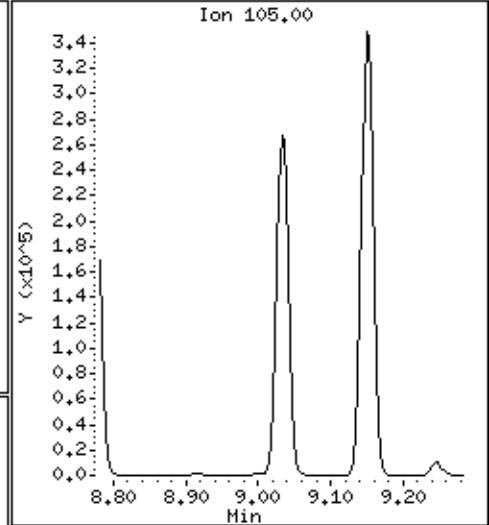
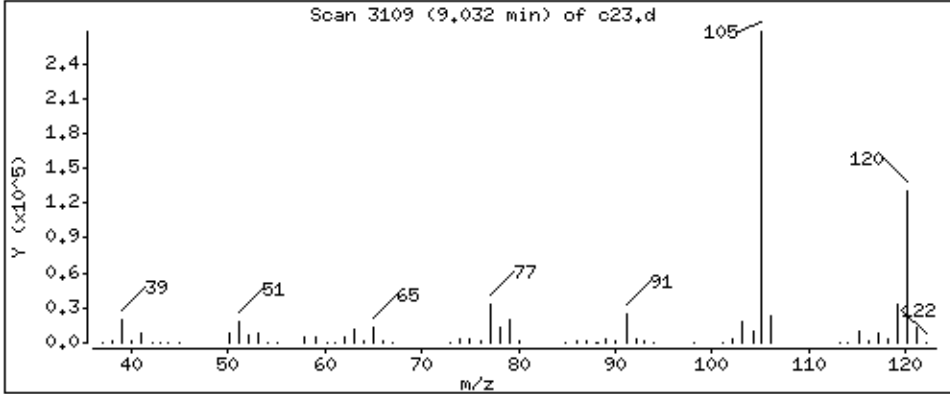
Operator: amv

Column phase: DB-624

Column diameter: 0,18

87 1,2,4-Trimethylbenzene

Concentration: 49.0 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

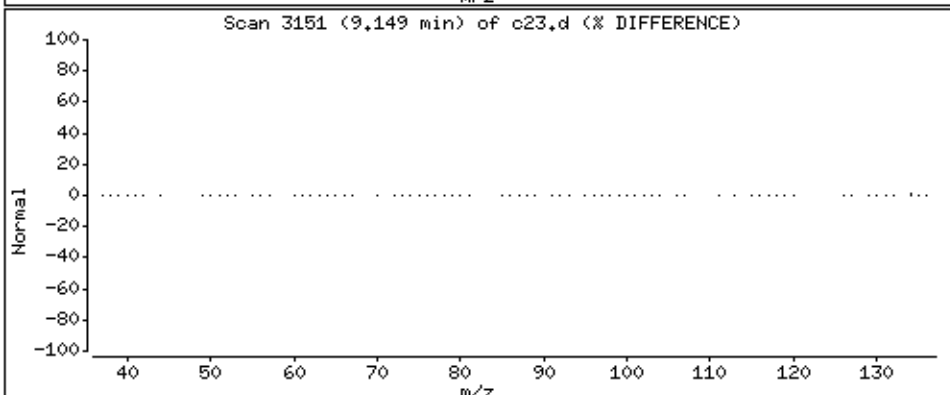
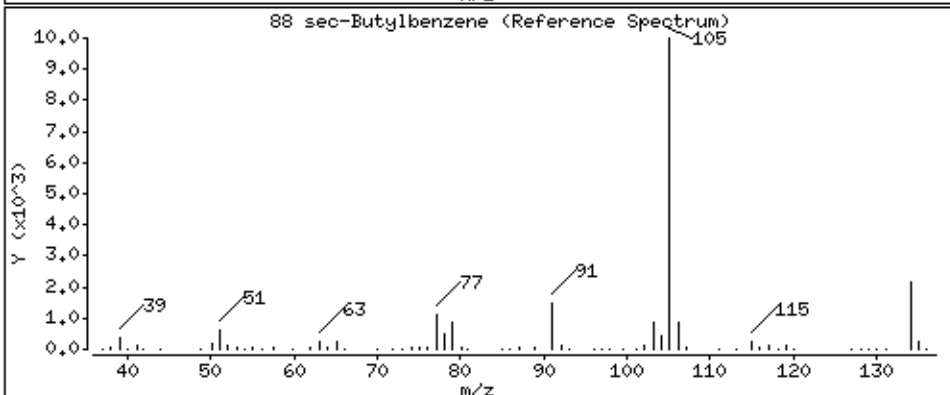
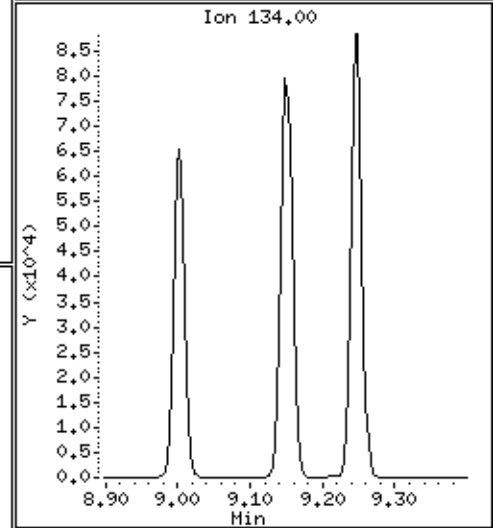
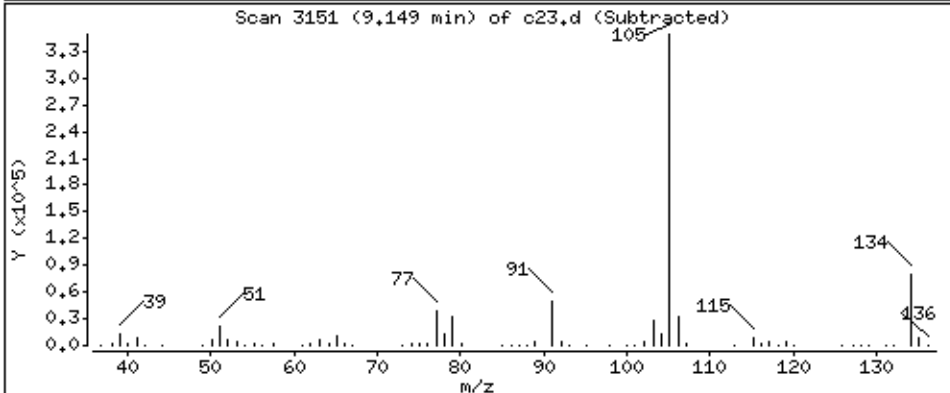
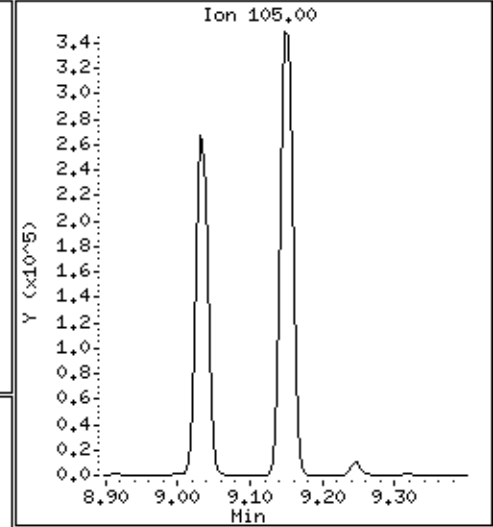
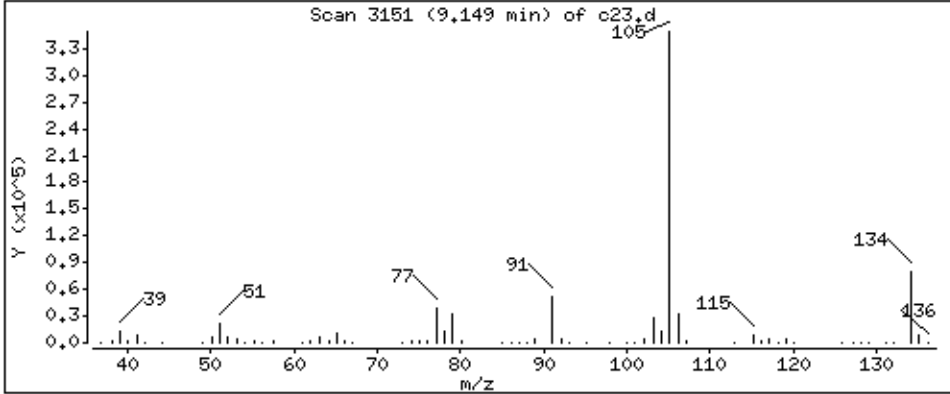
Operator: amv

Column phase: DB-624

Column diameter: 0,18

88 sec-Butylbenzene

Concentration: 50,6 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

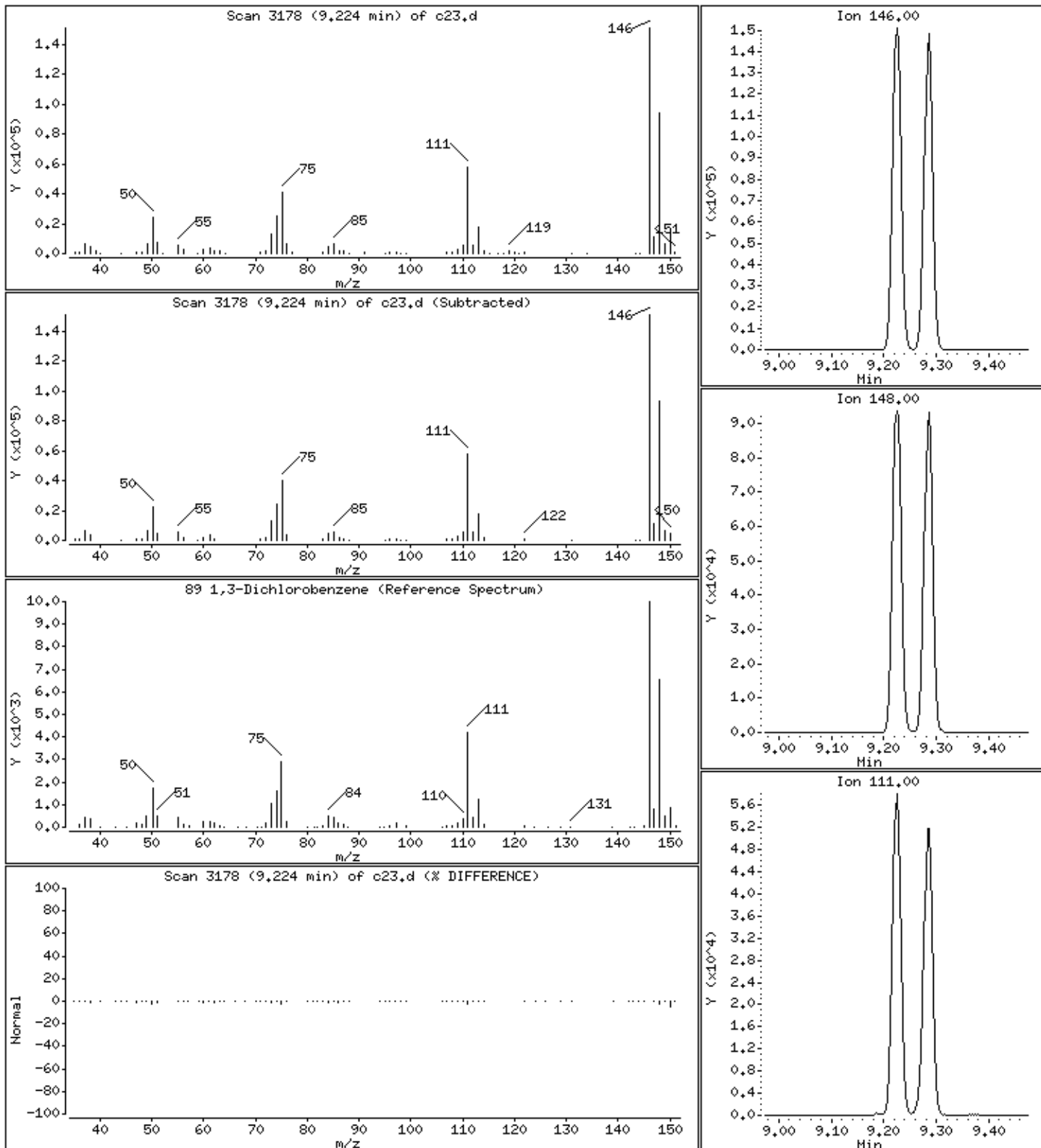
Operator: amv

Column phase: DB-624

Column diameter: 0,18

89 1,3-Dichlorobenzene

Concentration: 50,0 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

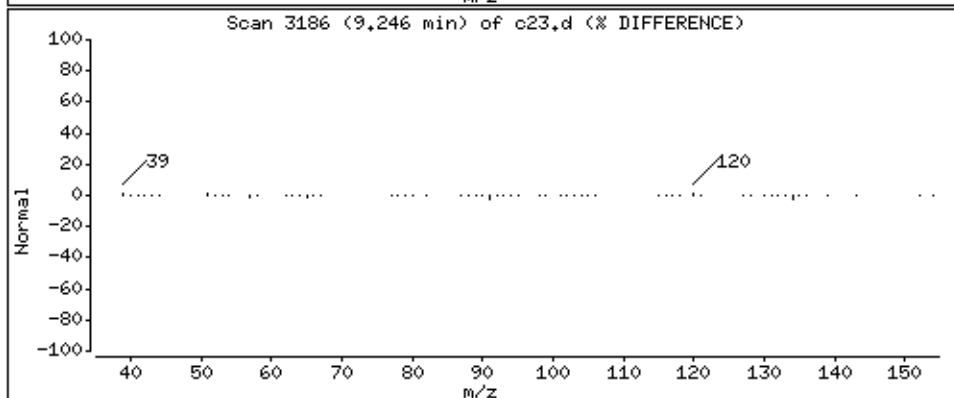
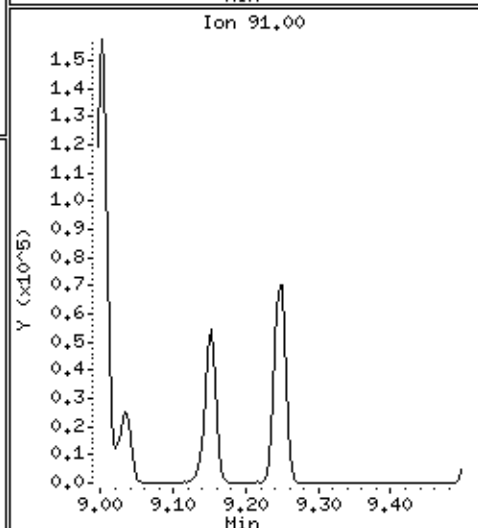
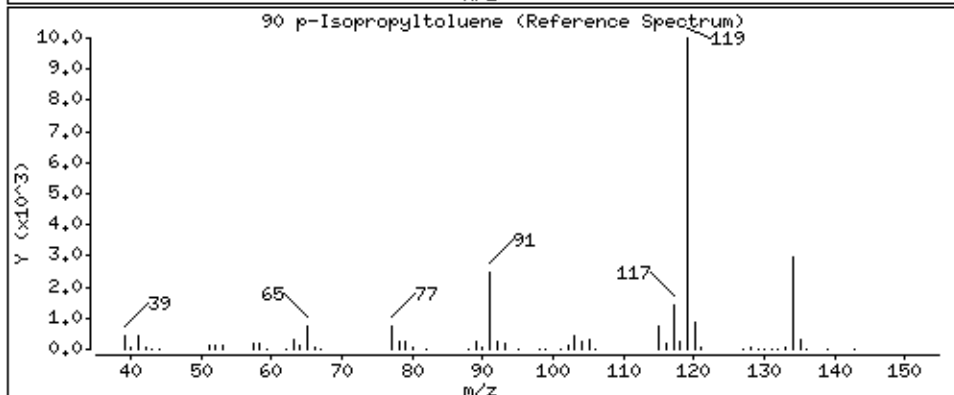
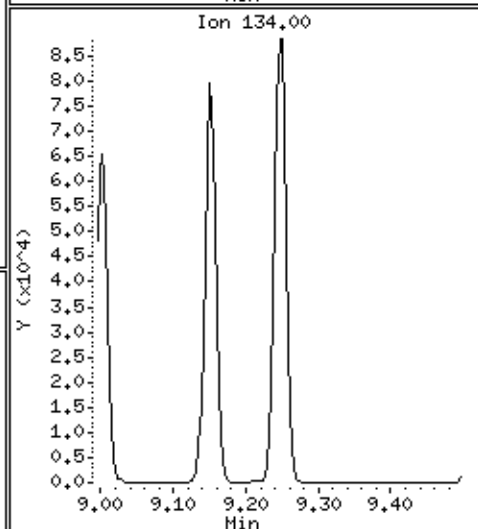
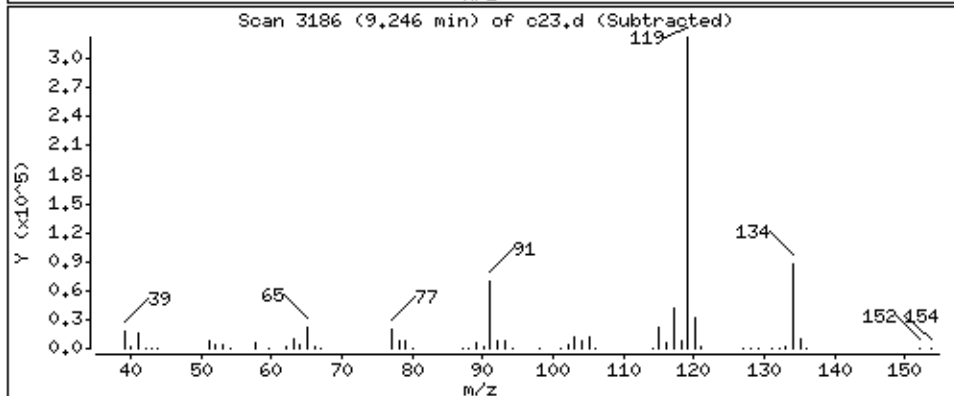
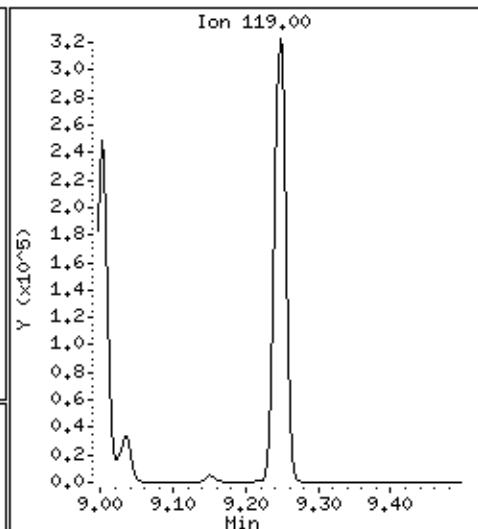
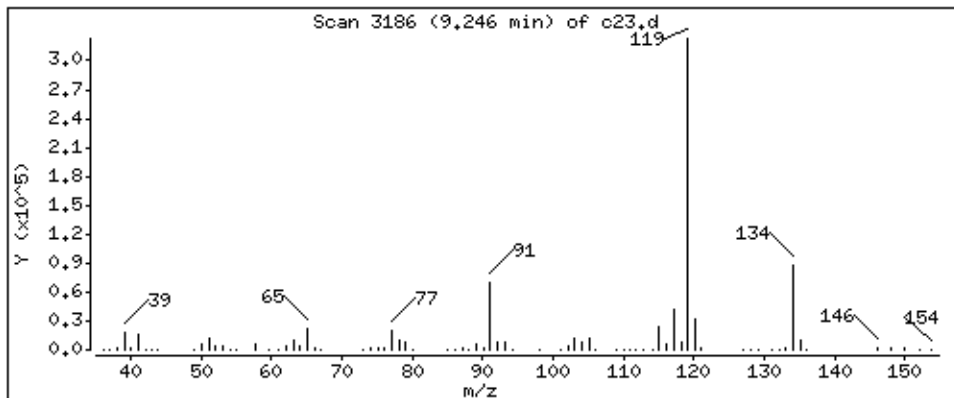
Operator: amv

Column phase: DB-624

Column diameter: 0,18

90 p-Isopropyltoluene

Concentration: 51.8 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

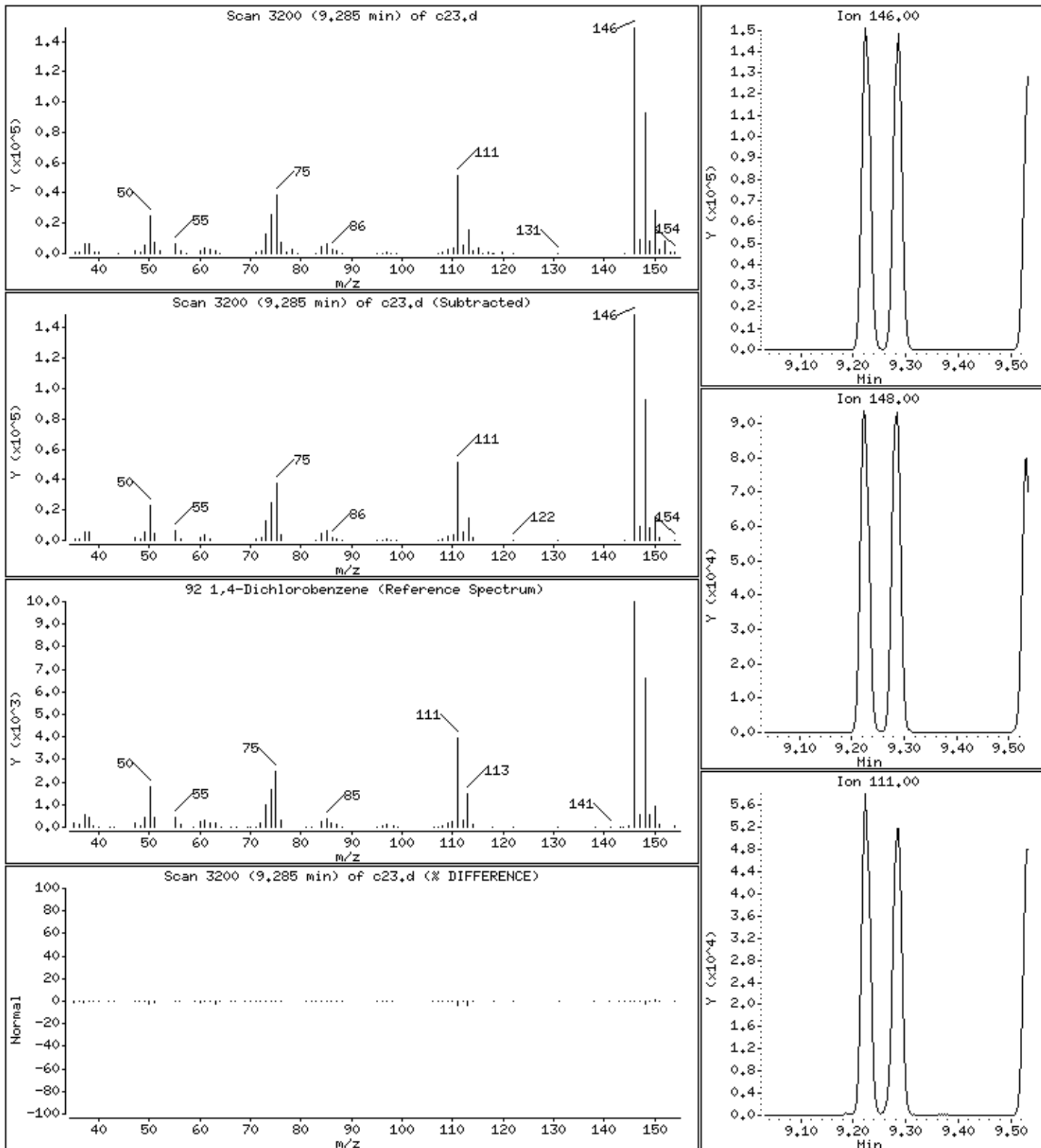
Operator: amv

Column phase: DB-624

Column diameter: 0,18

92 1,4-Dichlorobenzene

Concentration: 48,9 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

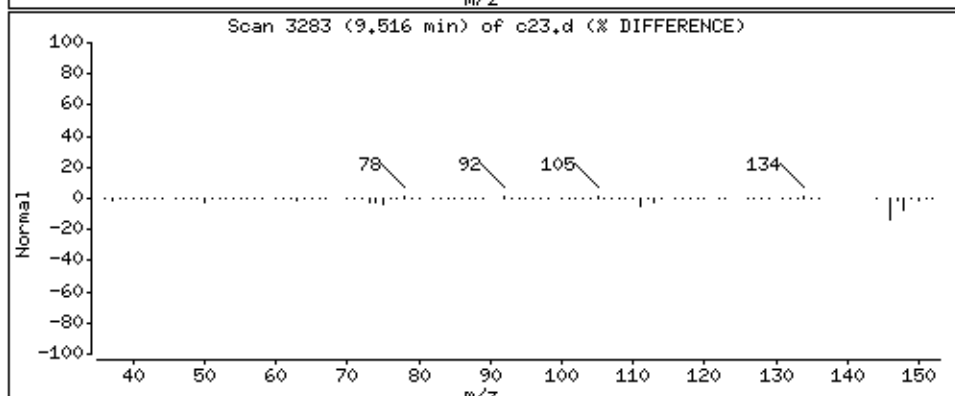
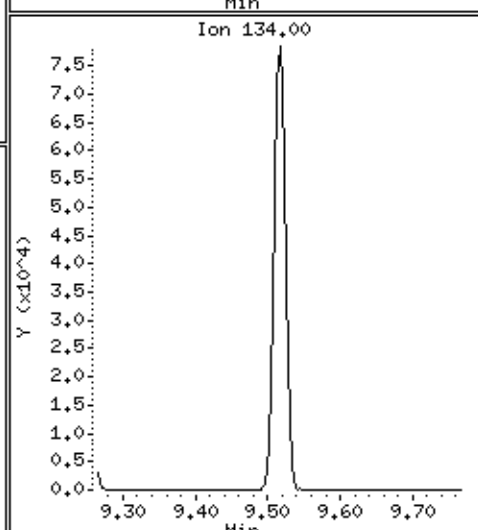
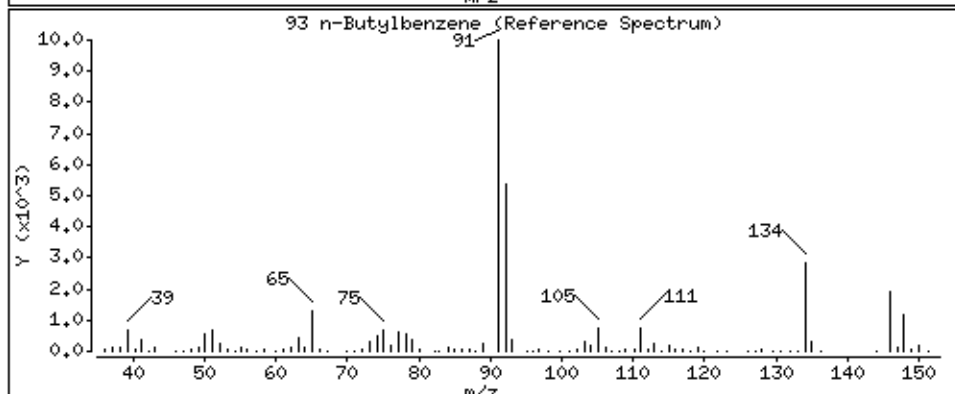
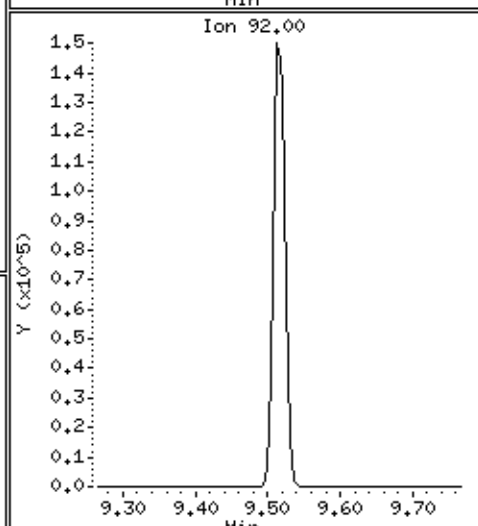
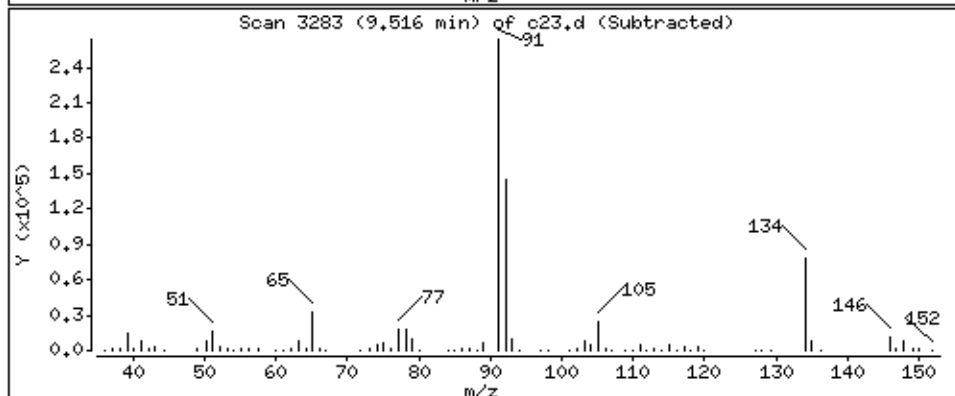
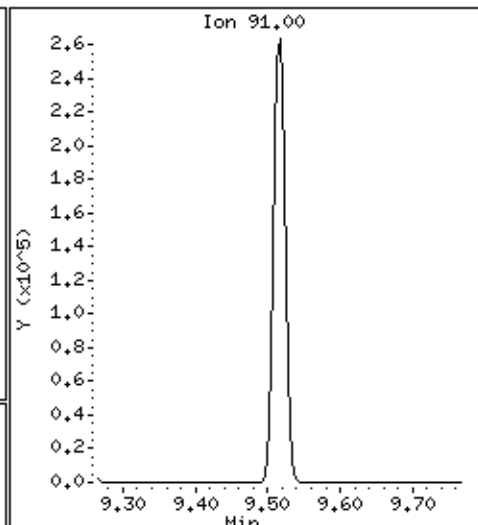
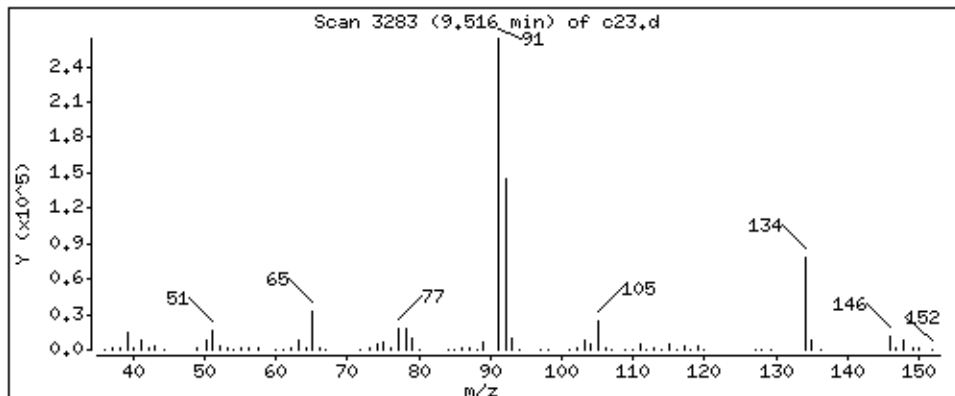
Operator: amv

Column phase: DB-624

Column diameter: 0,18

93 n-Butylbenzene

Concentration: 45,3 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

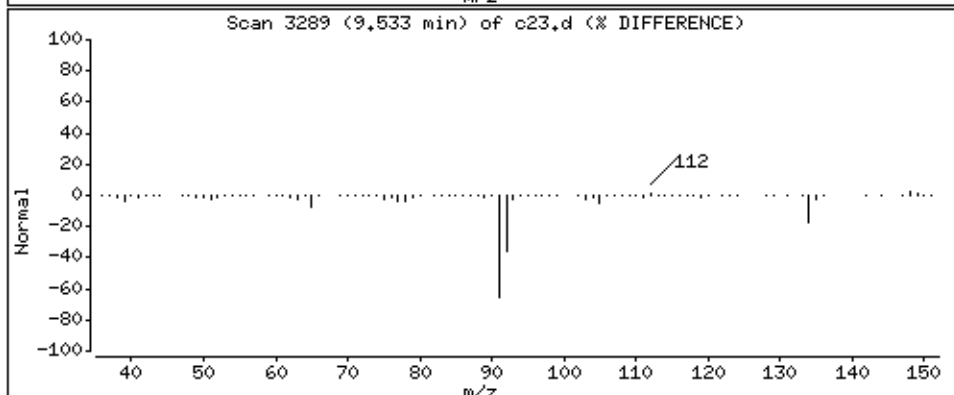
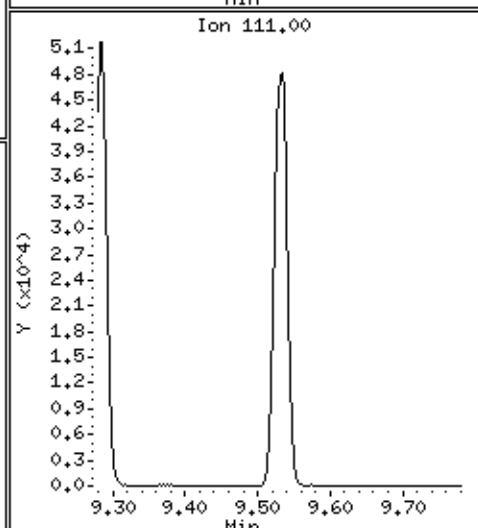
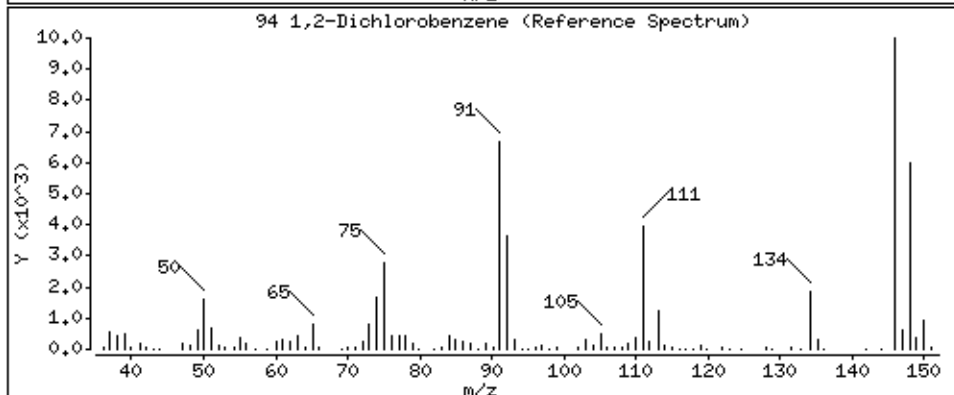
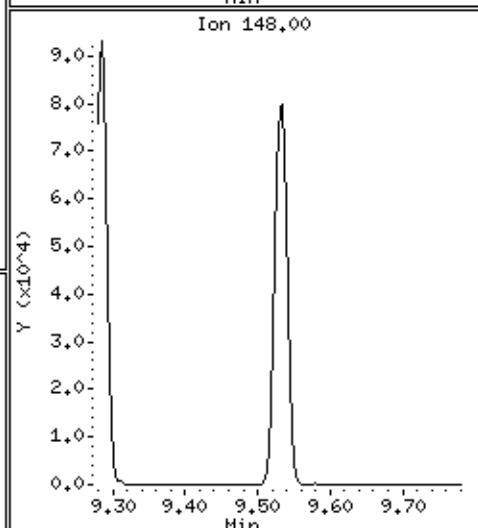
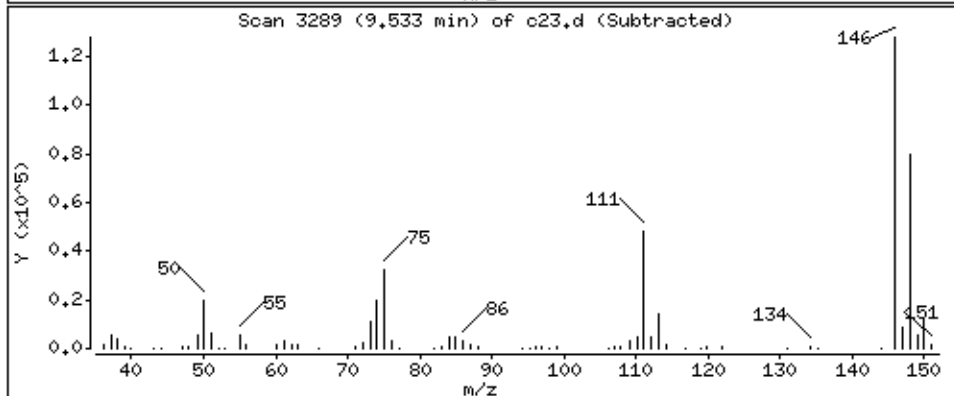
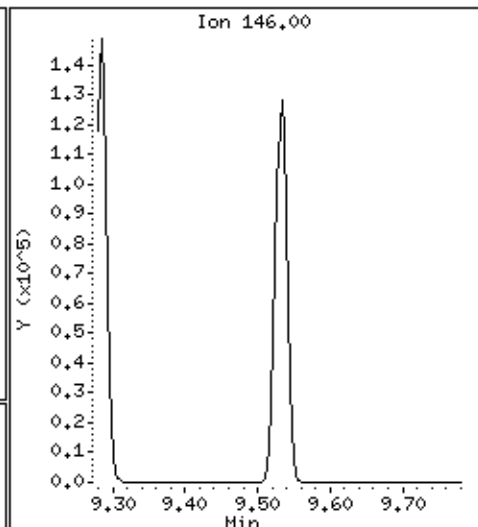
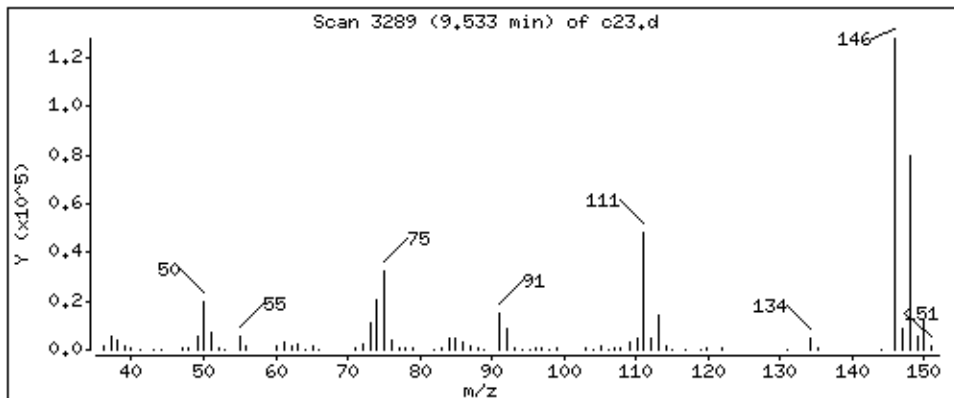
Operator: amv

Column phase: DB-624

Column diameter: 0,18

94 1,2-Dichlorobenzene

Concentration: 49,0 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

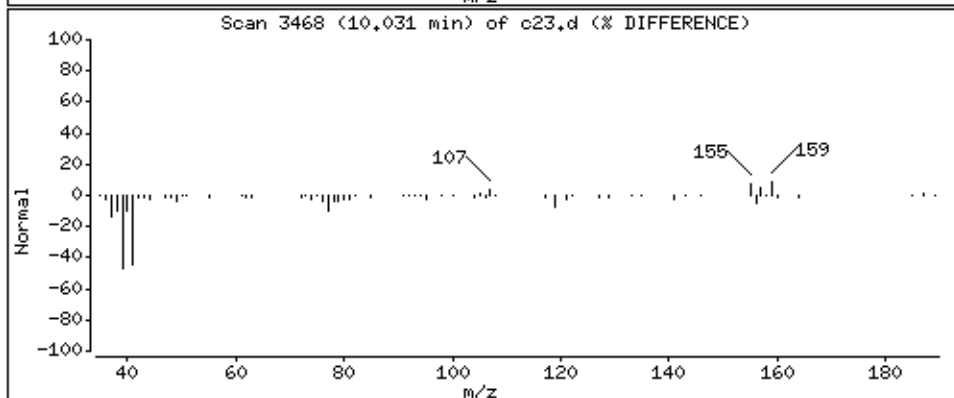
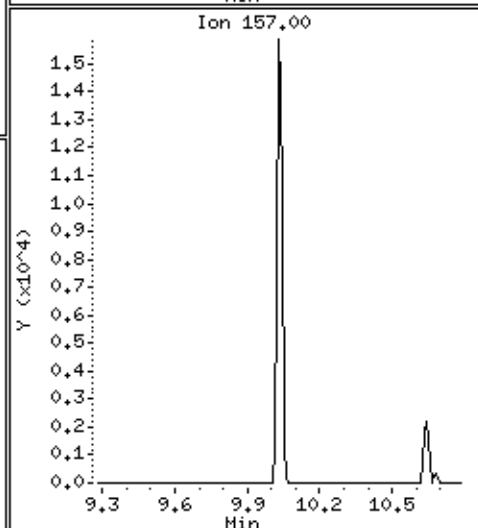
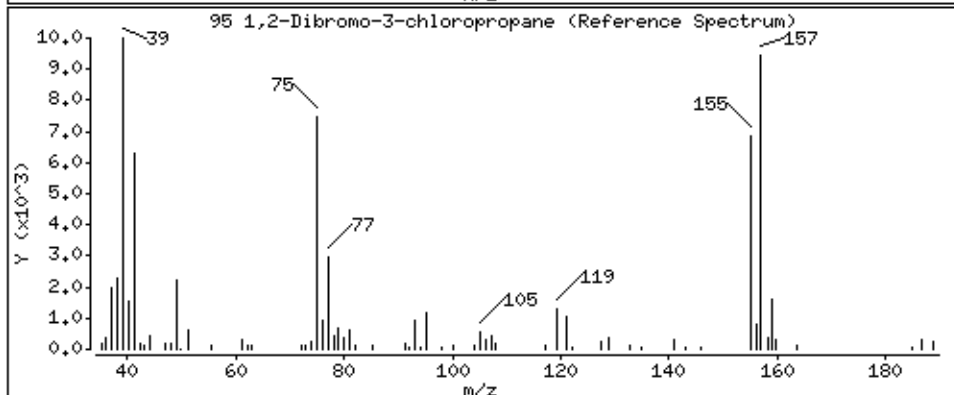
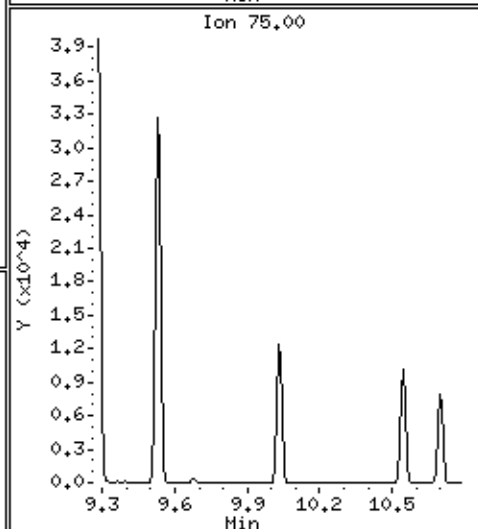
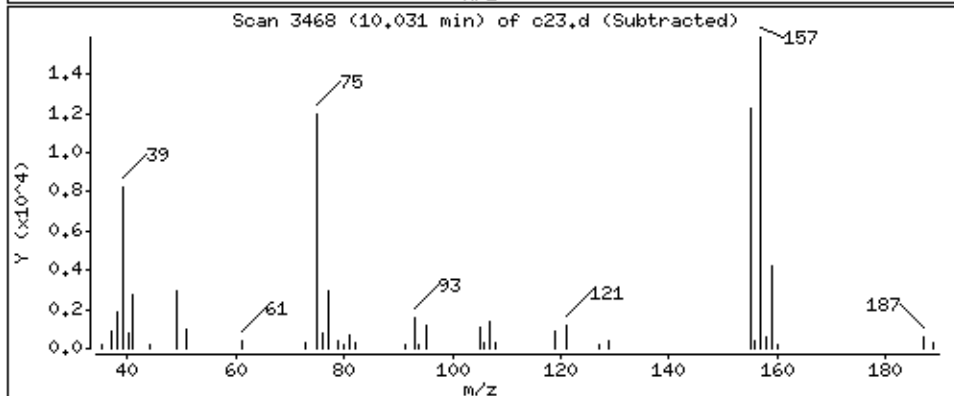
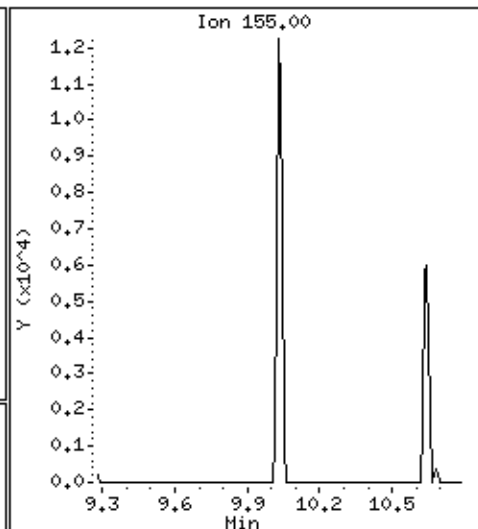
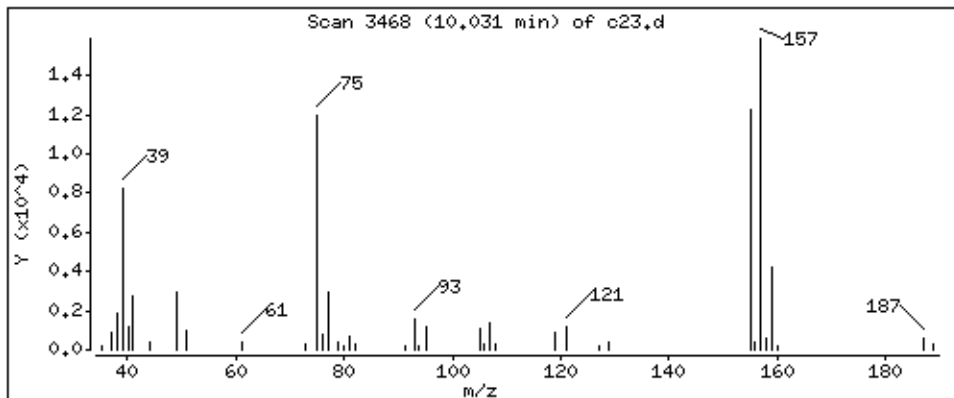
Operator: amv

Column phase: DB-624

Column diameter: 0,18

95 1,2-Dibromo-3-chloropropane

Concentration: 47,1 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

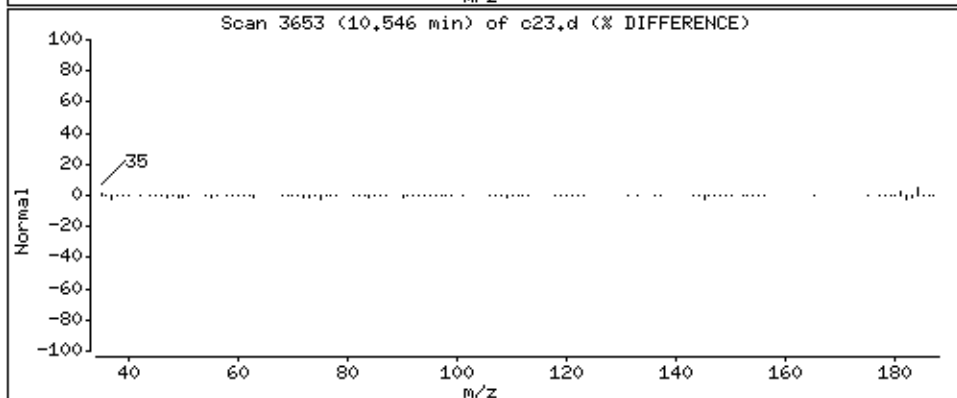
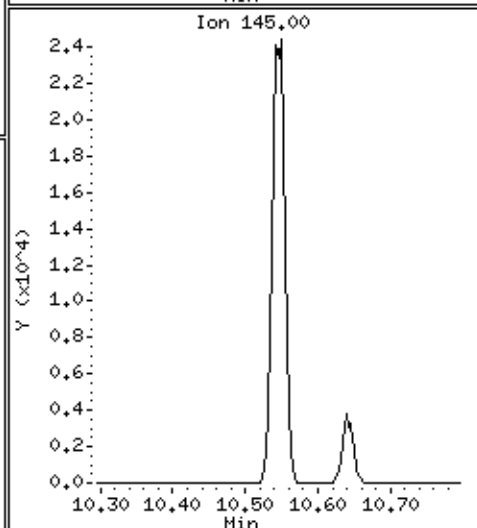
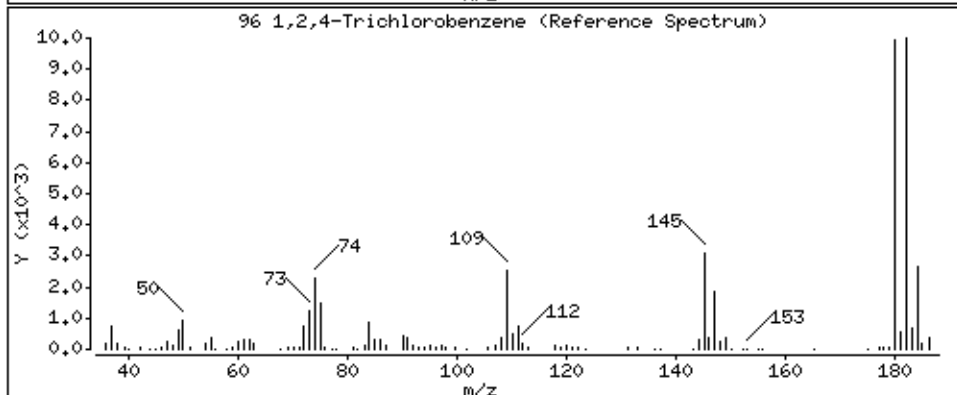
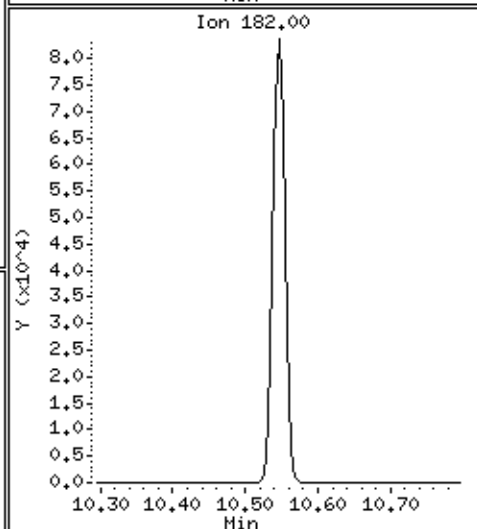
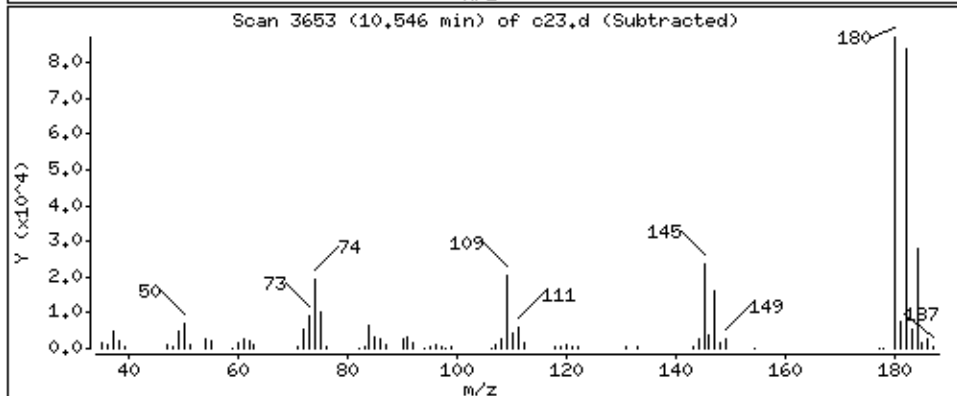
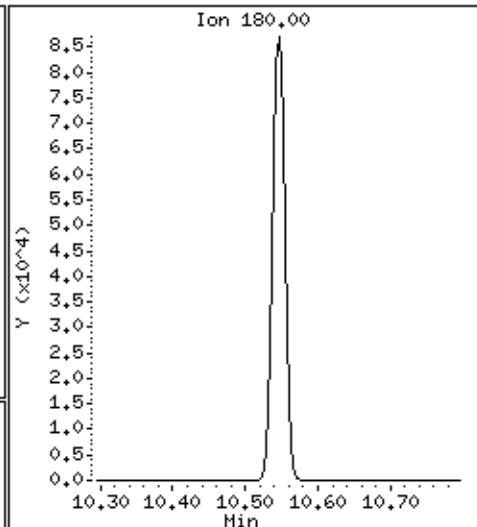
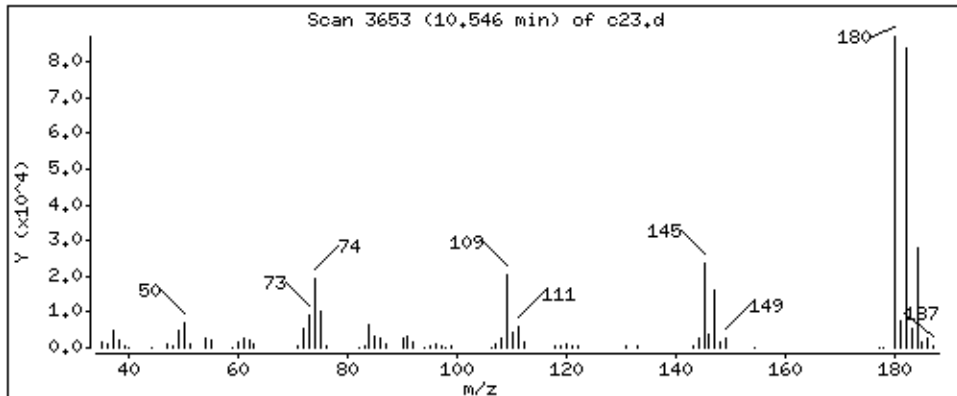
Operator: amv

Column phase: DB-624

Column diameter: 0,18

96 1,2,4-Trichlorobenzene

Concentration: 46,5 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

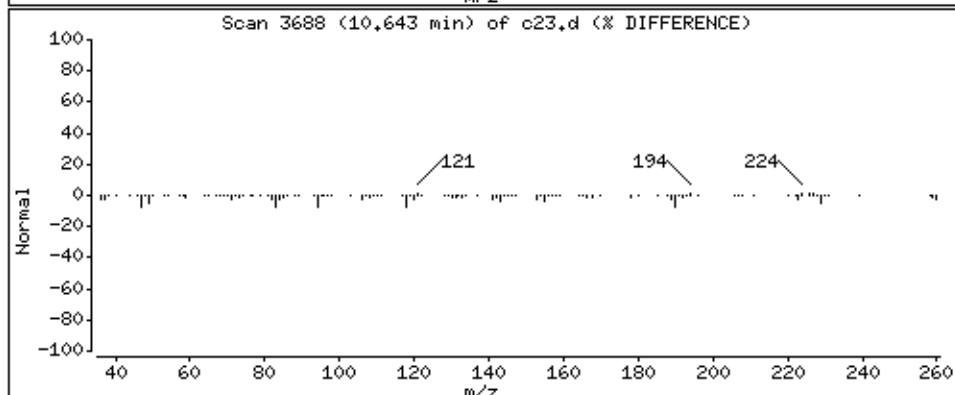
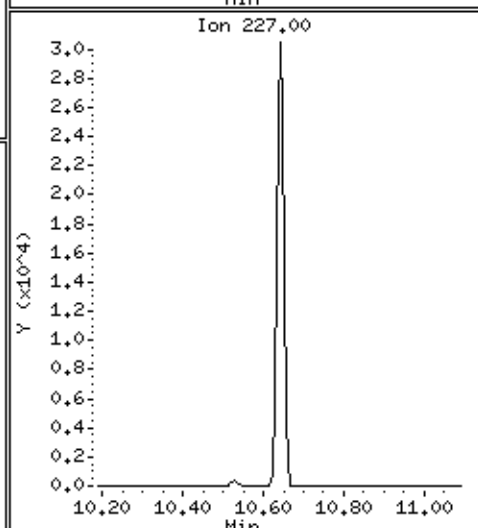
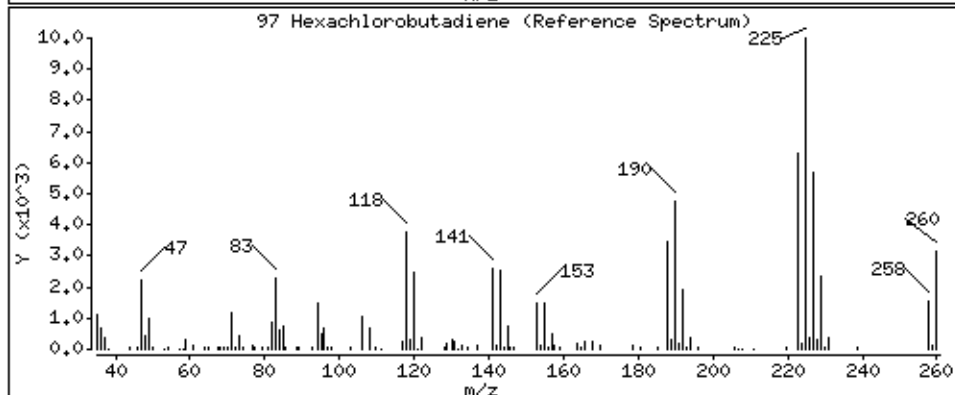
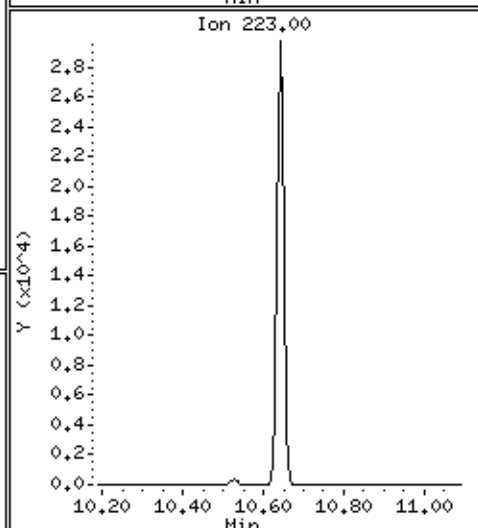
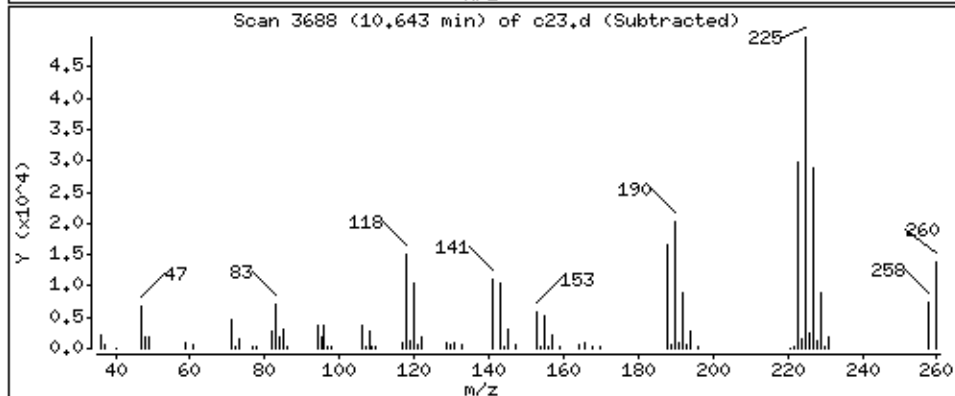
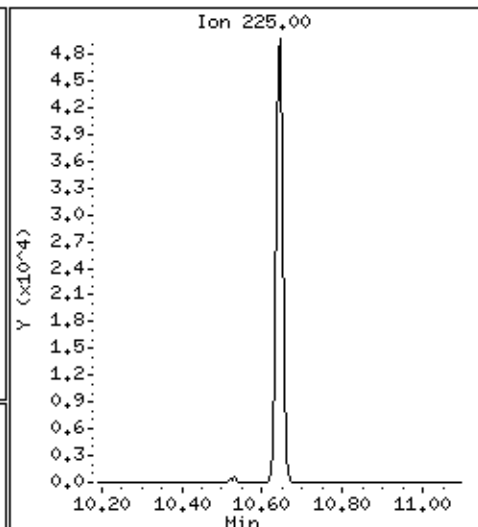
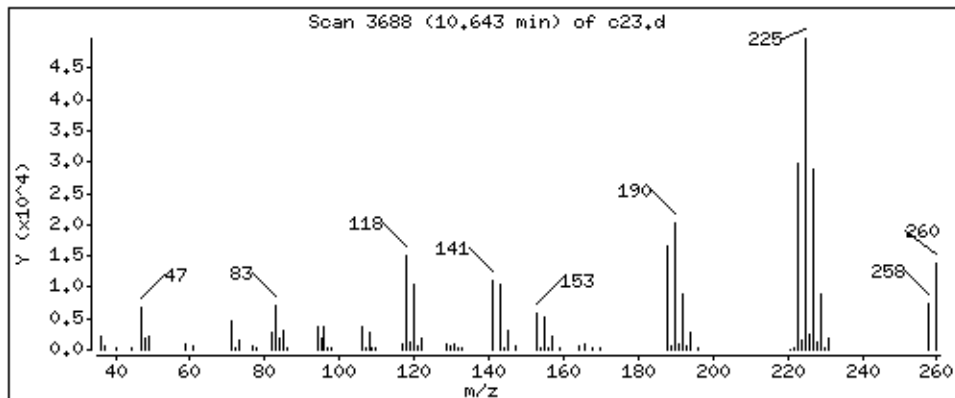
Operator: amv

Column phase: DB-624

Column diameter: 0,18

97 Hexachlorobutadiene

Concentration: 48,6 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

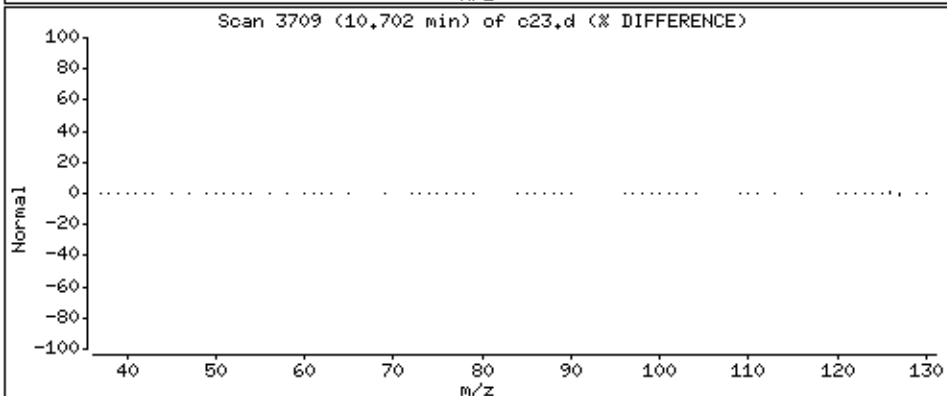
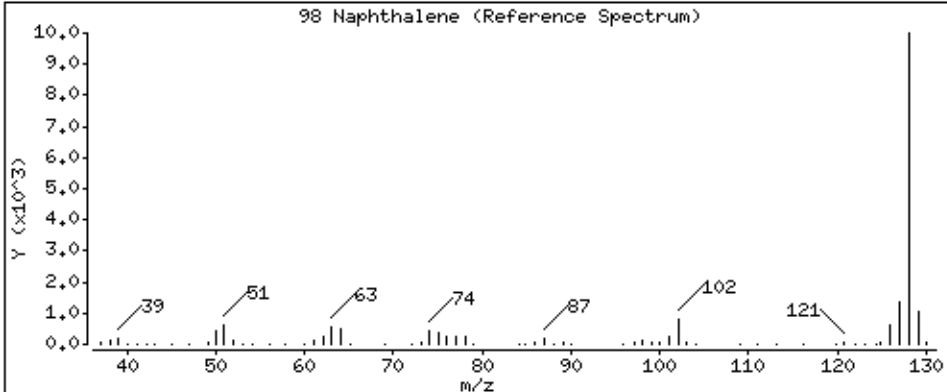
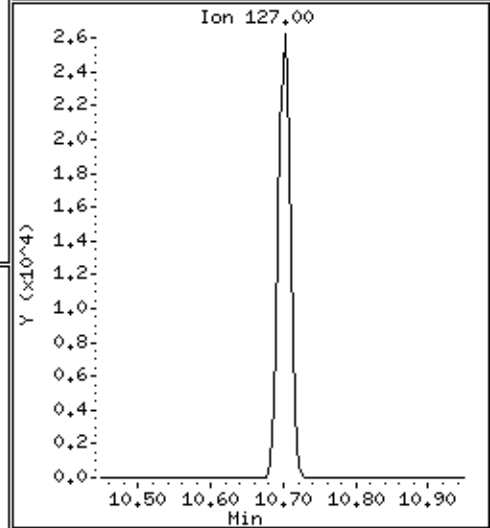
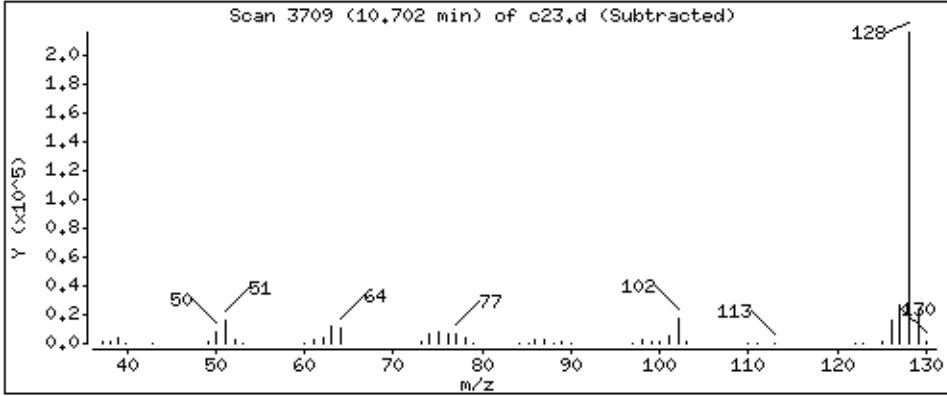
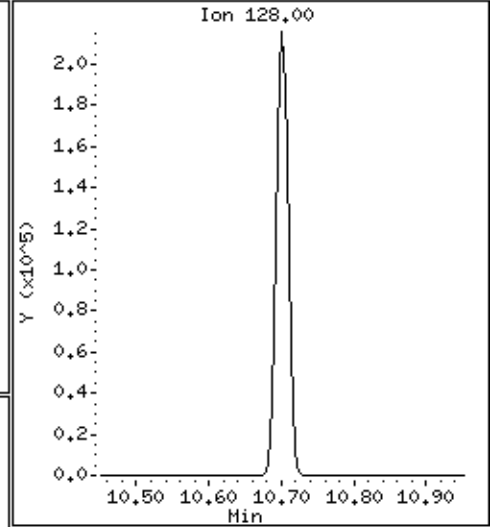
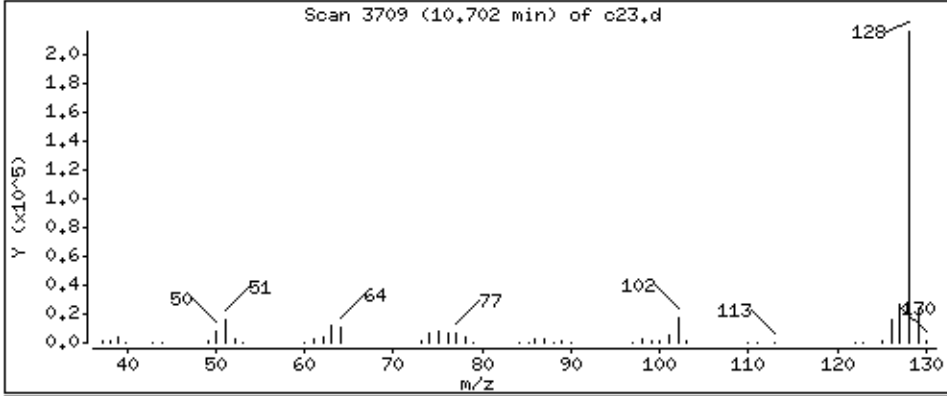
Operator: amv

Column phase: DB-624

Column diameter: 0,18

98 Naphthalene

Concentration: 48,2 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

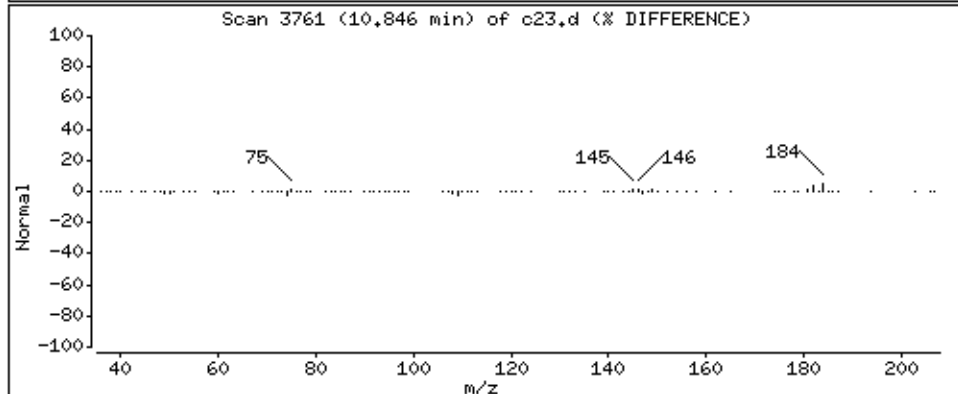
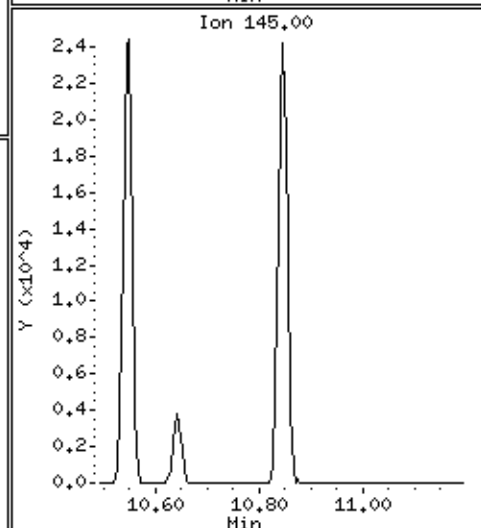
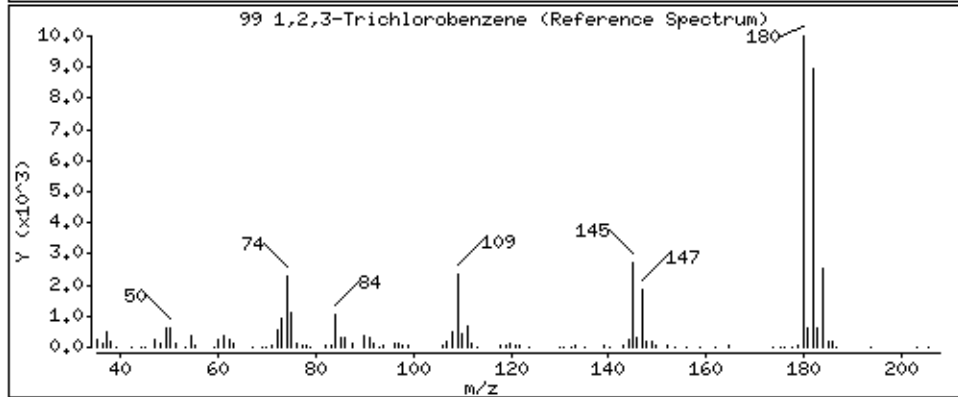
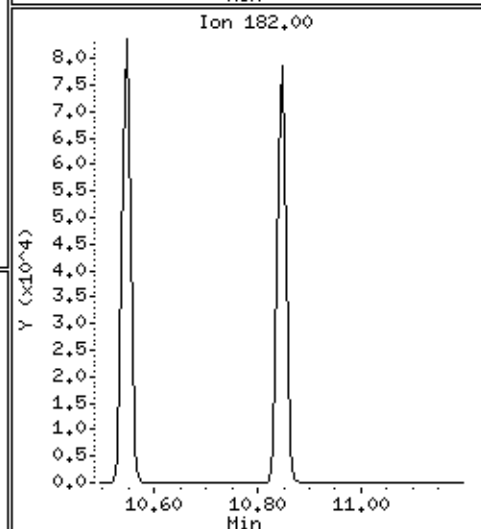
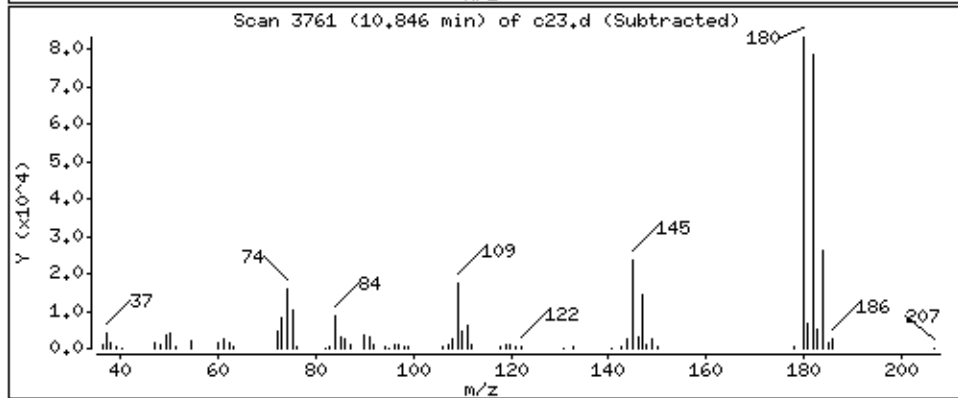
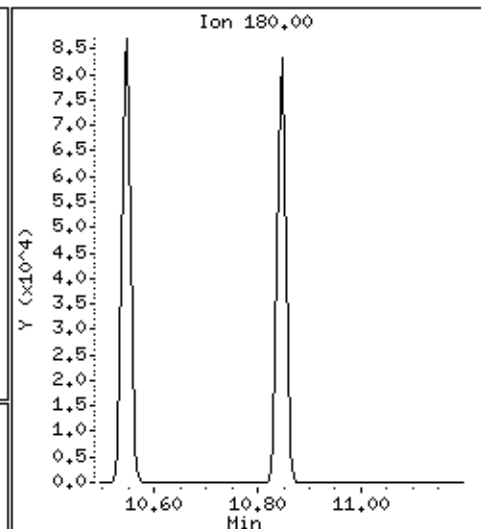
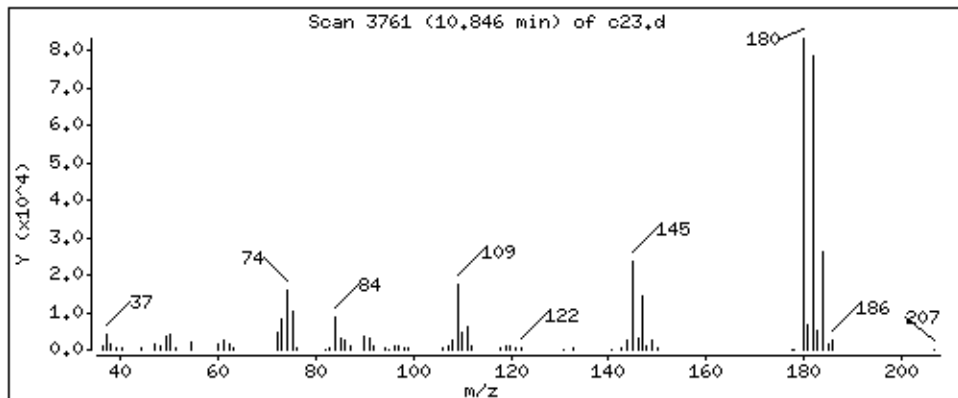
Operator: amv

Column phase: DB-624

Column diameter: 0,18

99 1,2,3-Trichlorobenzene

Concentration: 49.2 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

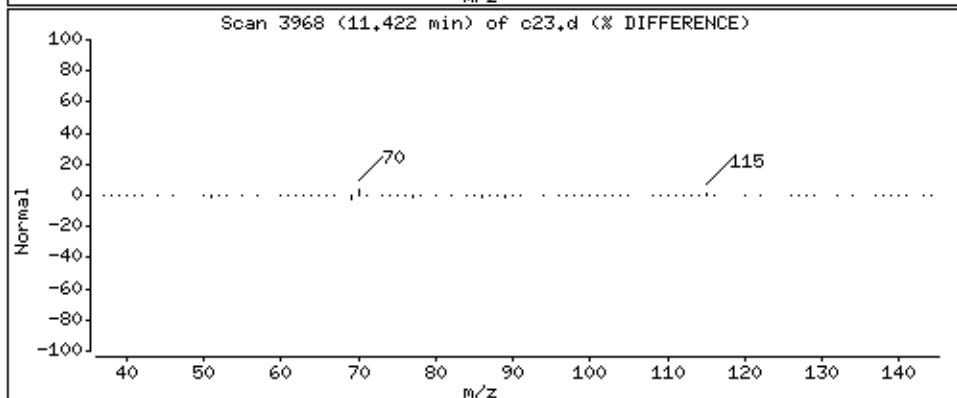
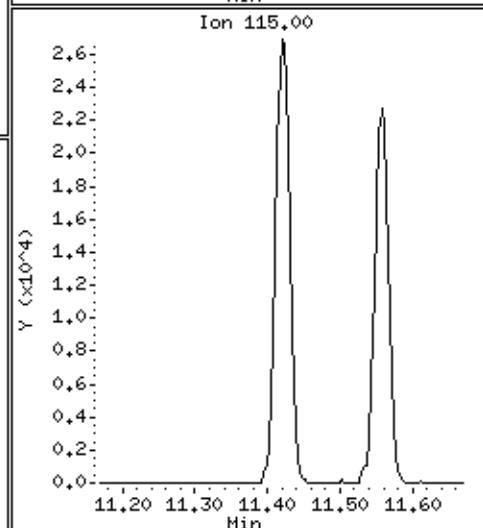
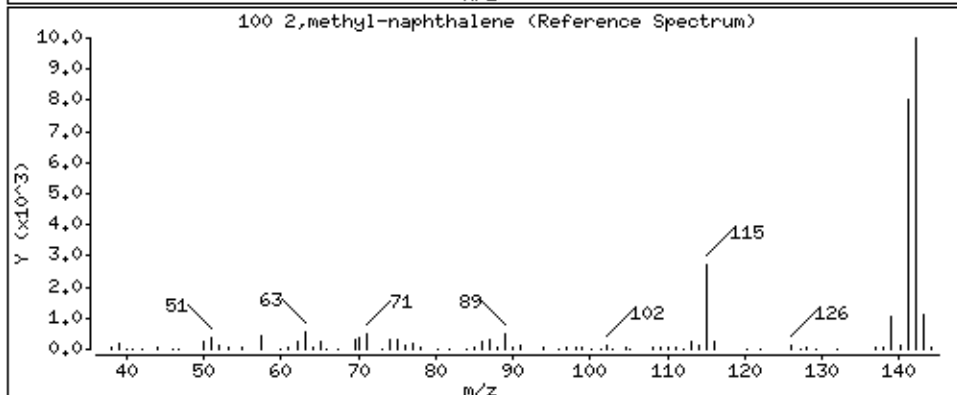
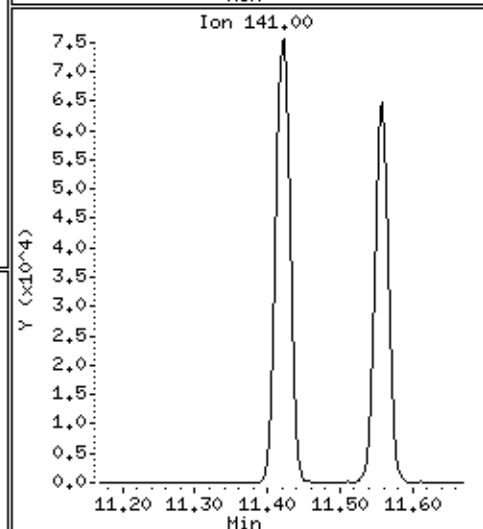
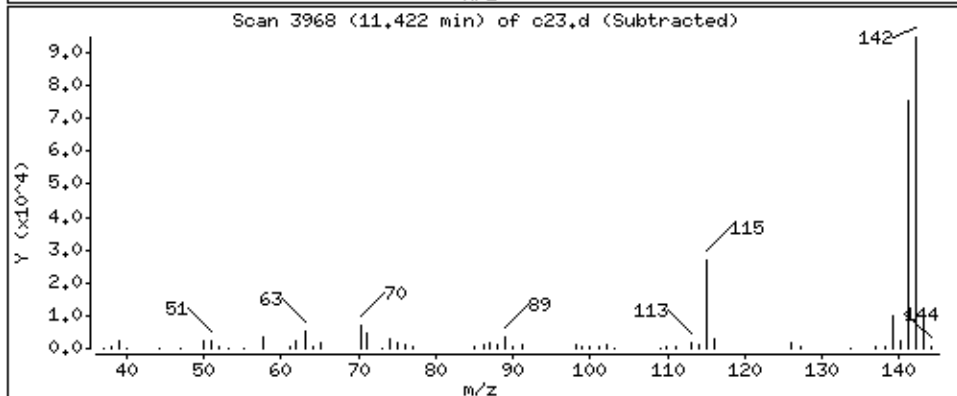
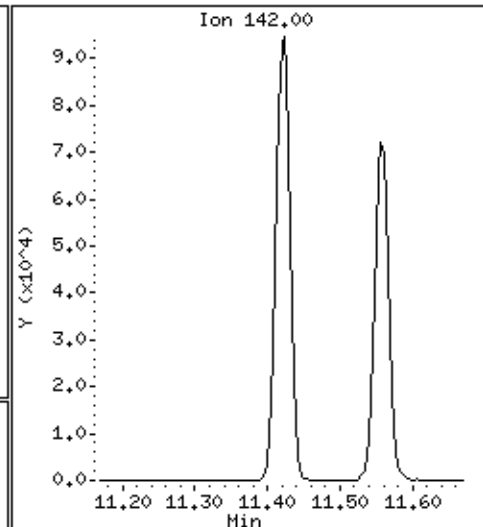
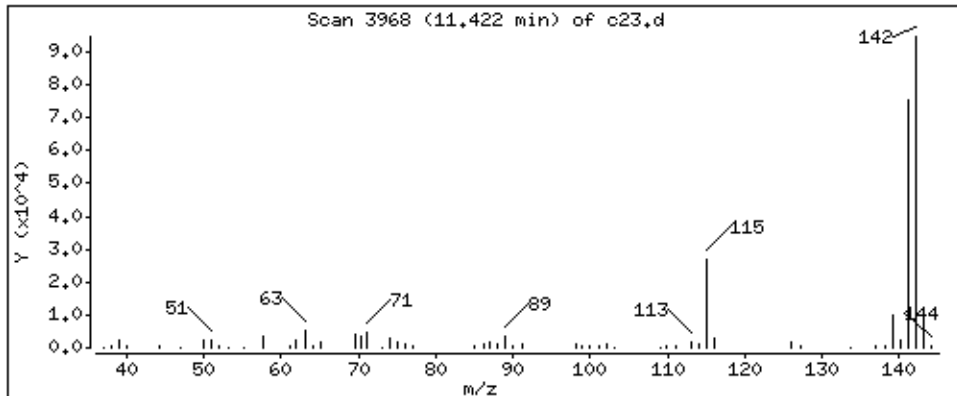
Operator: amv

Column phase: DB-624

Column diameter: 0,18

100 2,methyl-naphthalene

Concentration: 49.3 ppb



Date : 02-SEP-2018 12:13

Client ID:

Instrument: 50mv2a.i

Sample Info: msd

Purge Volume: 5.0

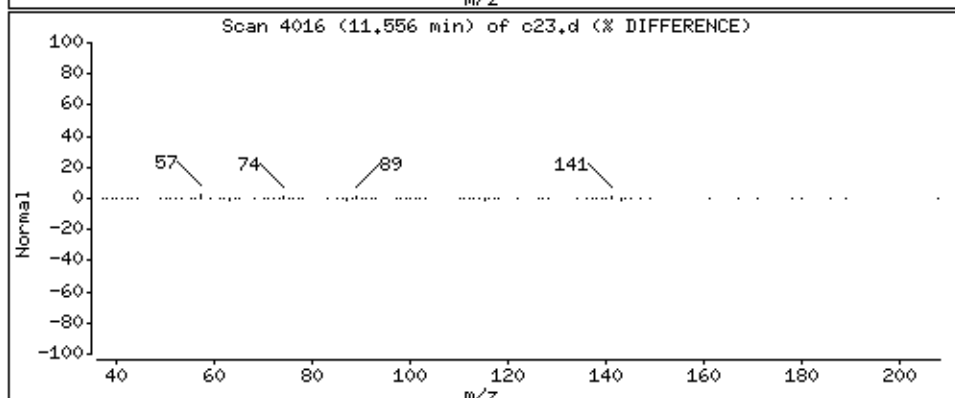
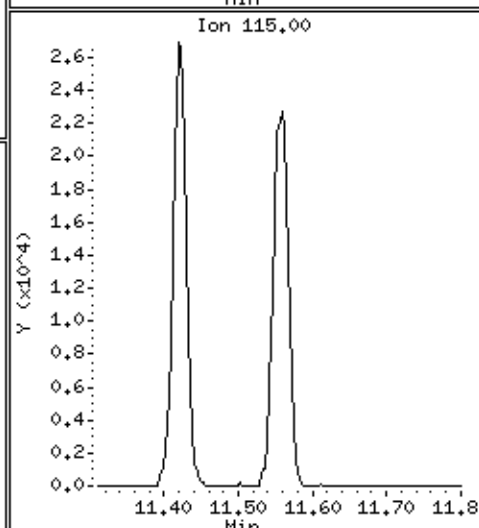
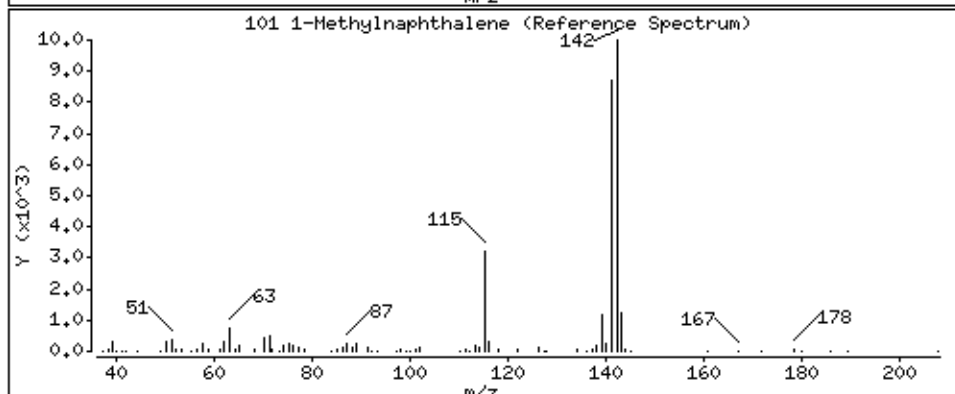
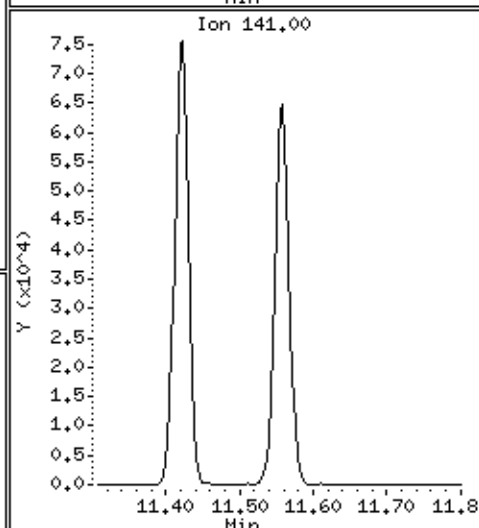
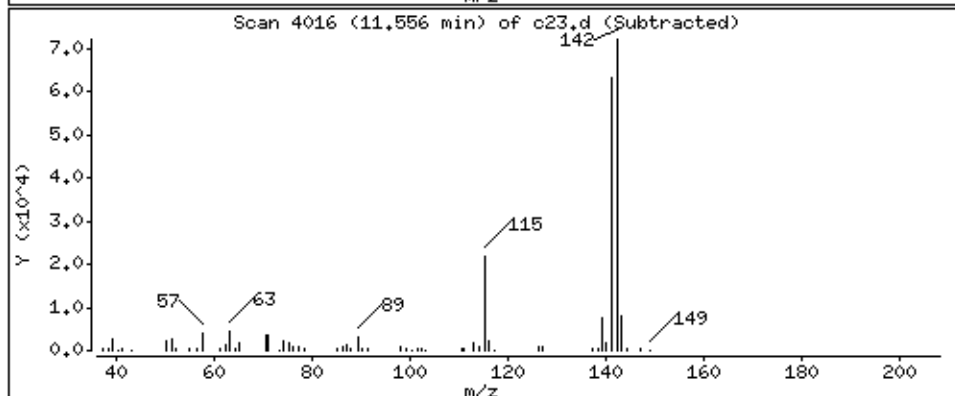
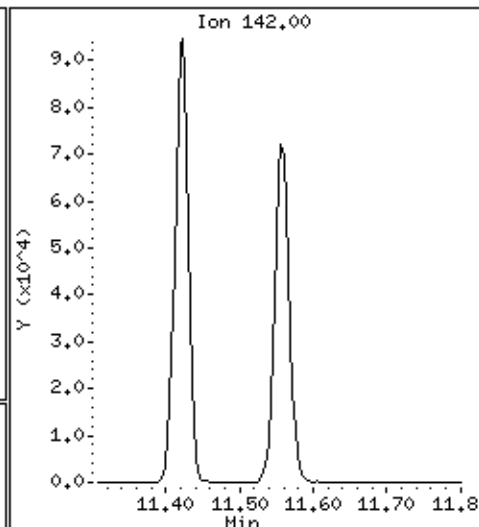
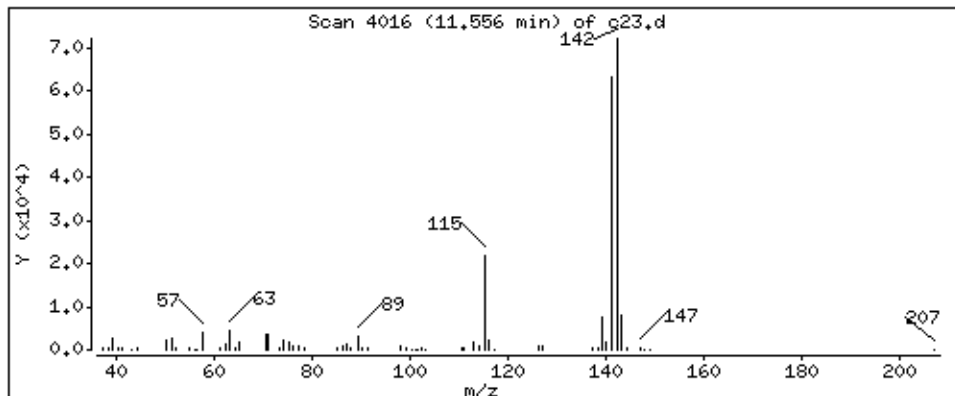
Operator: amv

Column phase: DB-624

Column diameter: 0.18

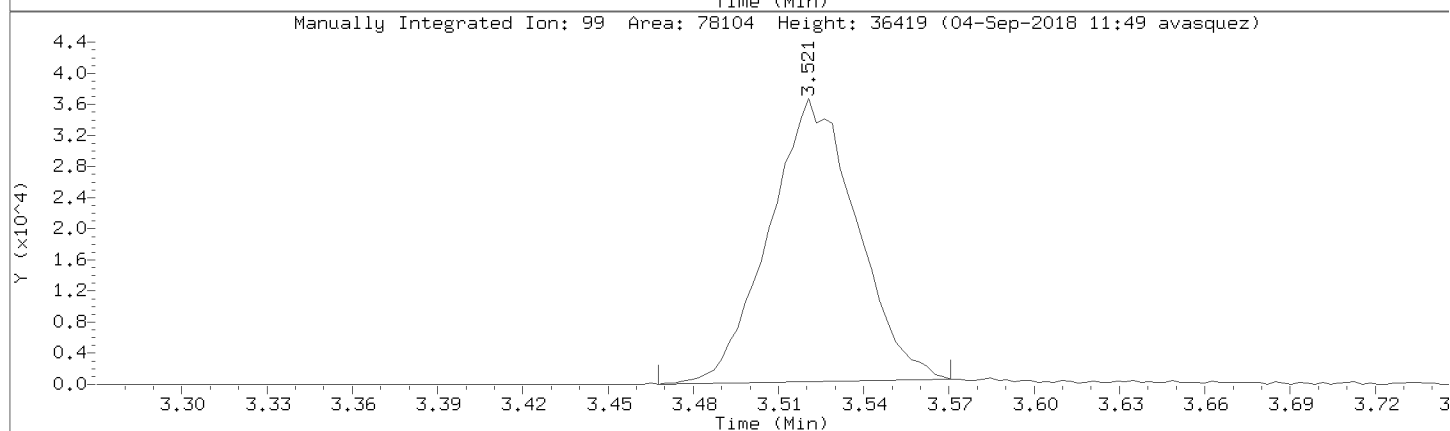
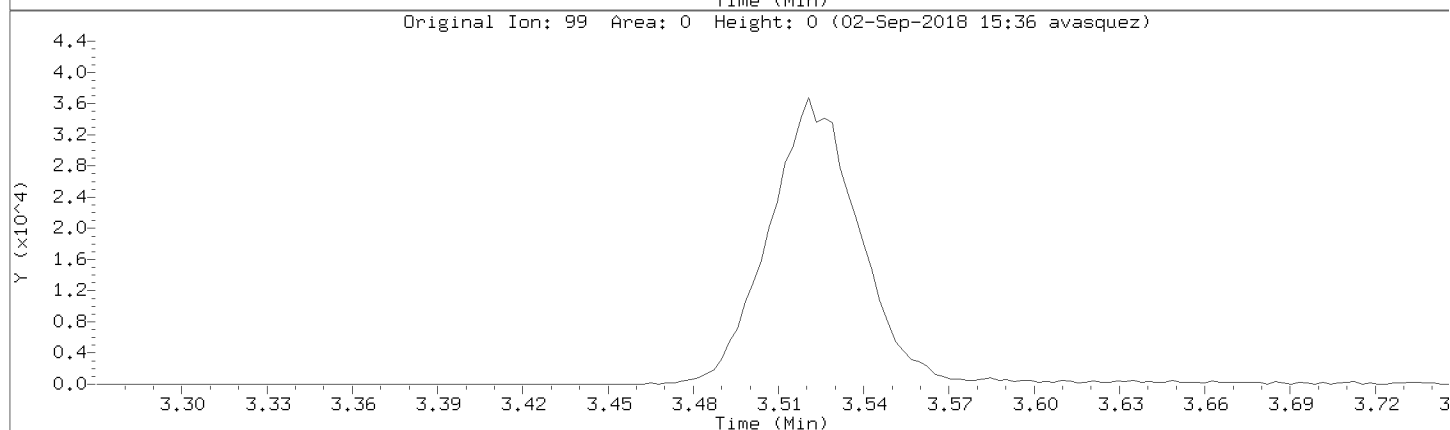
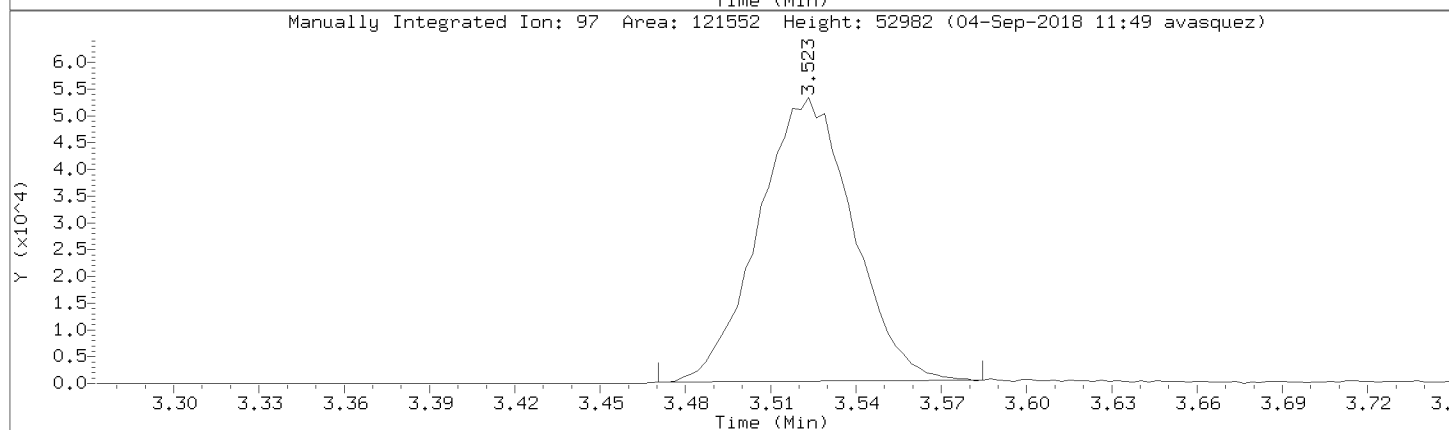
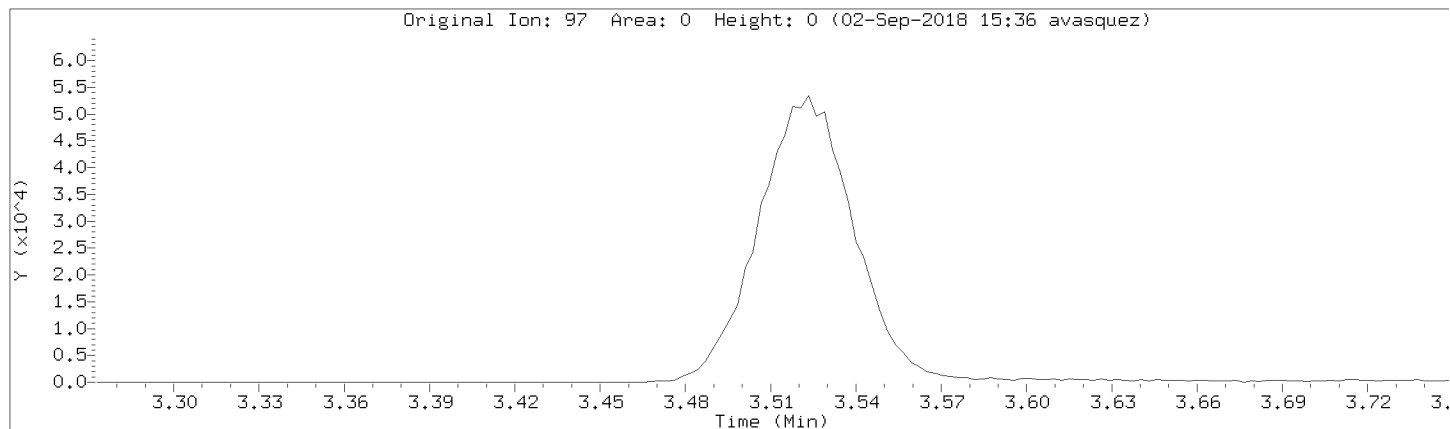
101 1-Methylnaphthalene

Concentration: 51.3 ppb

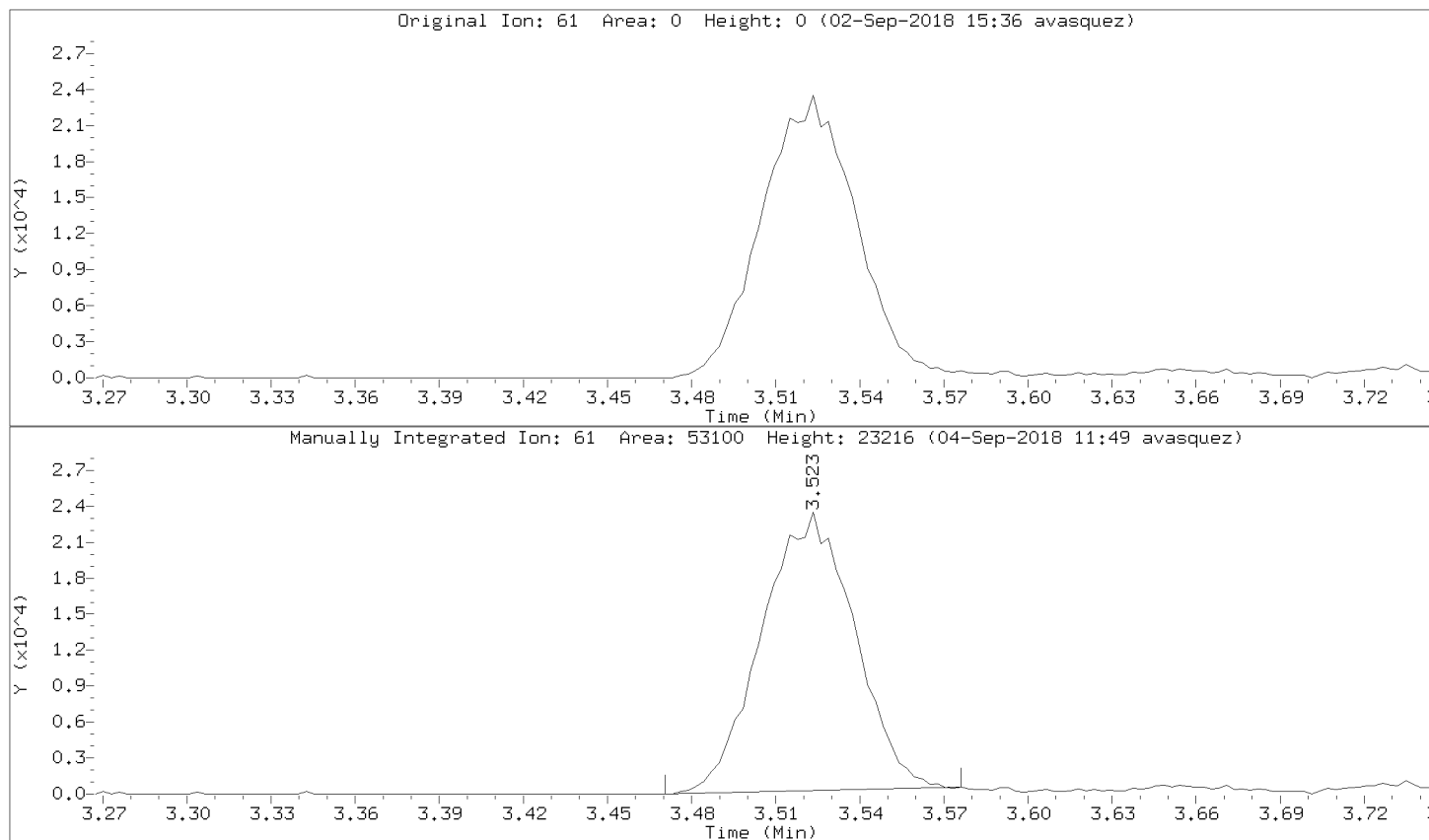


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Injection Date: 02-SEP-2018 12:13
Instrument: 50mv2a.i
Lab Sample ID:

Compound: 1,1,1-Trichloroethane Review Code: NI
CAS Number: 71-55-6

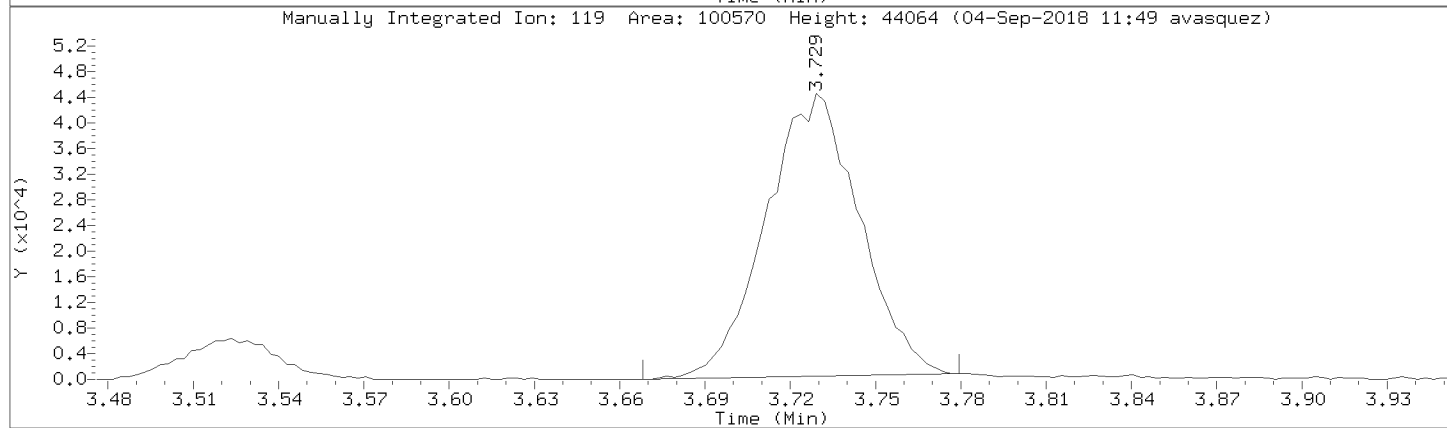
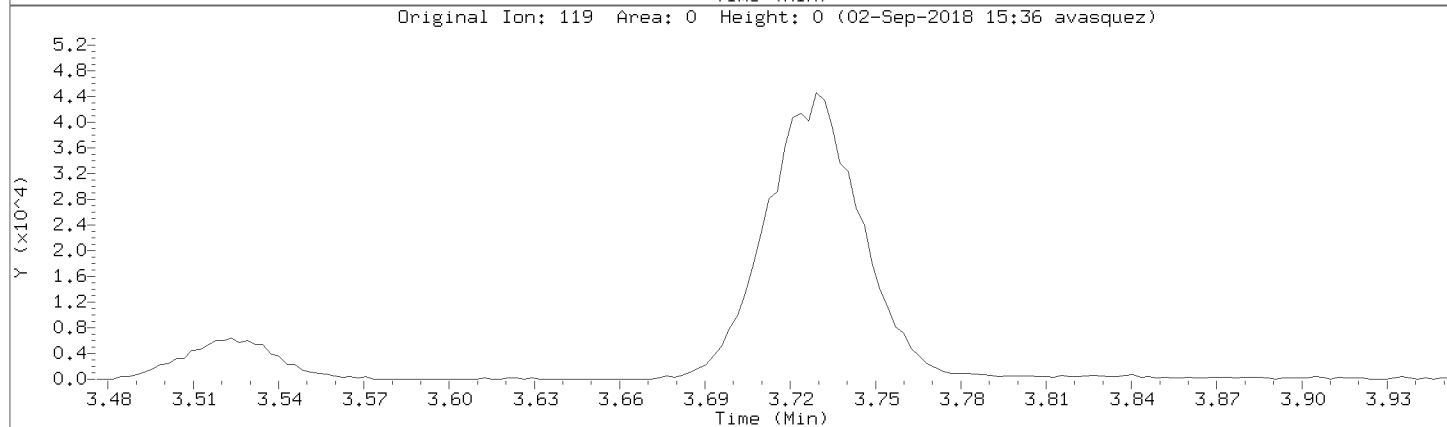
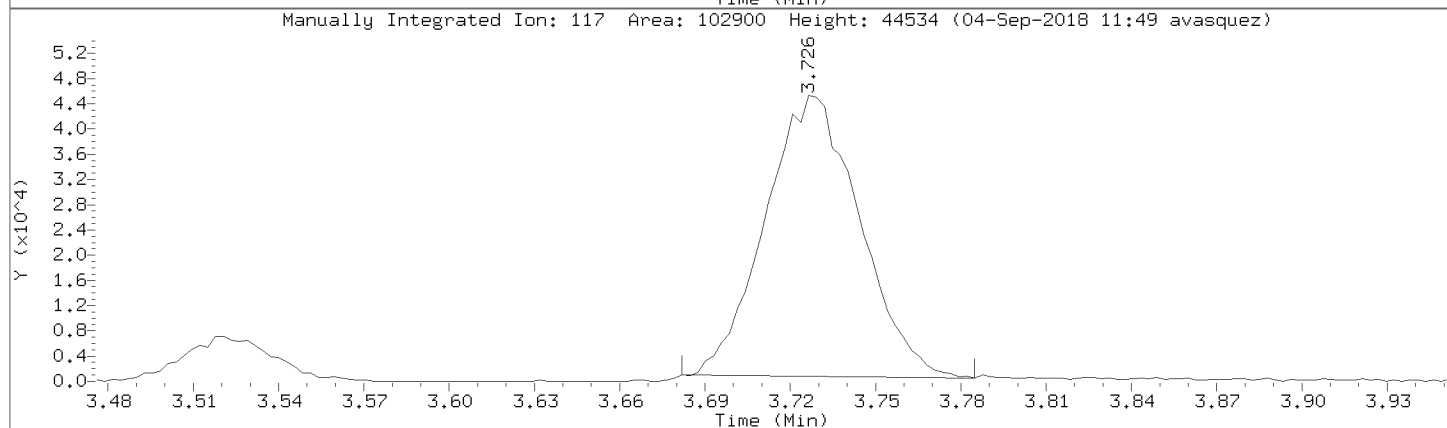
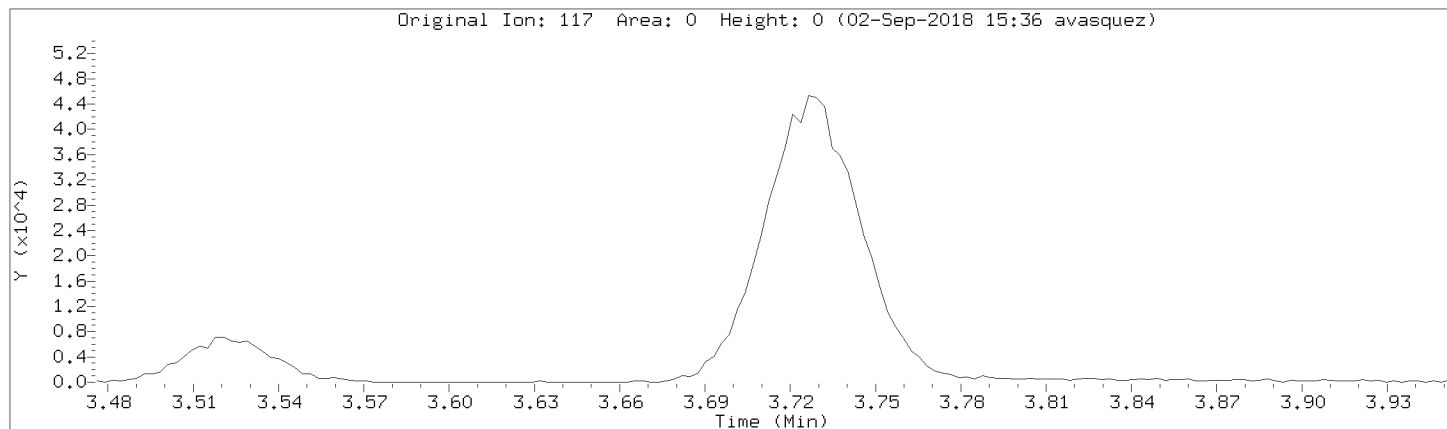


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Injection Date: 02-SEP-2018 12:13
Instrument: 50mv2a.i
Lab Sample ID:

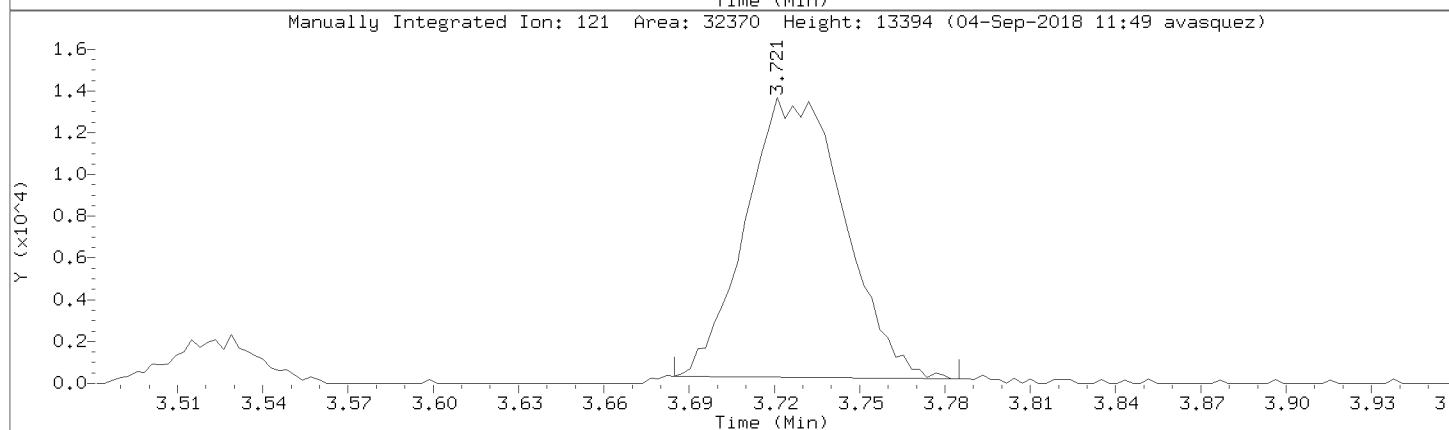
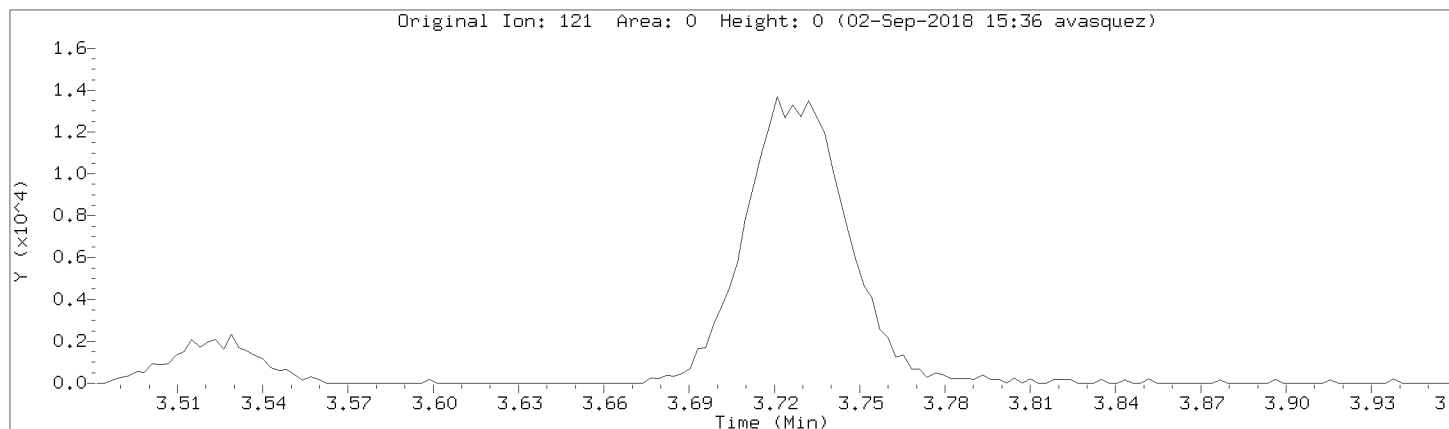


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Injection Date: 02-SEP-2018 12:13
Instrument: 50mv2a.i
Lab Sample ID:

Compound: Carbon Tetrachloride Review Code: NI
CAS Number: 56-23-5

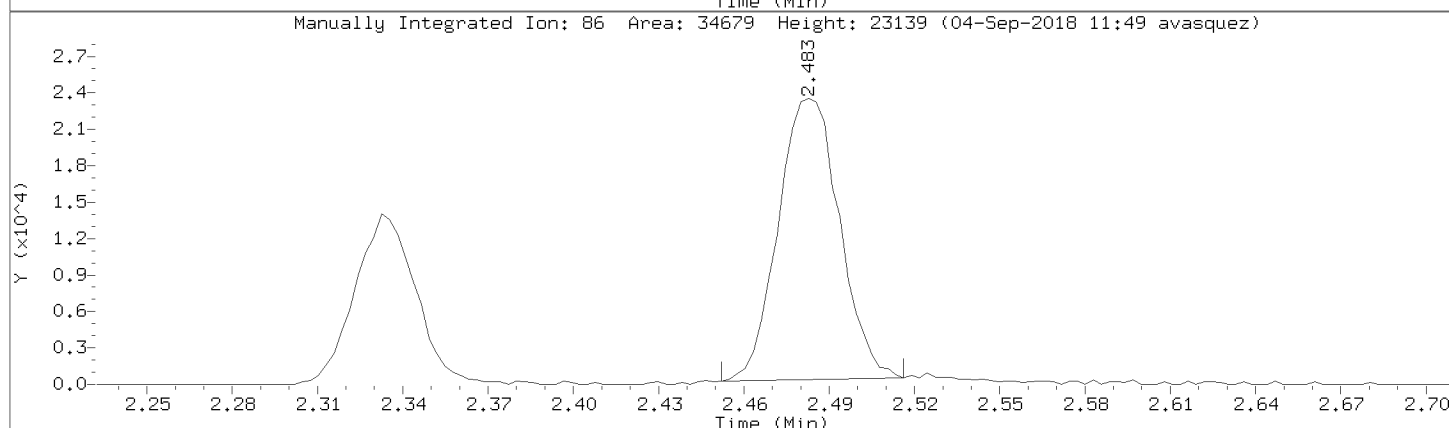
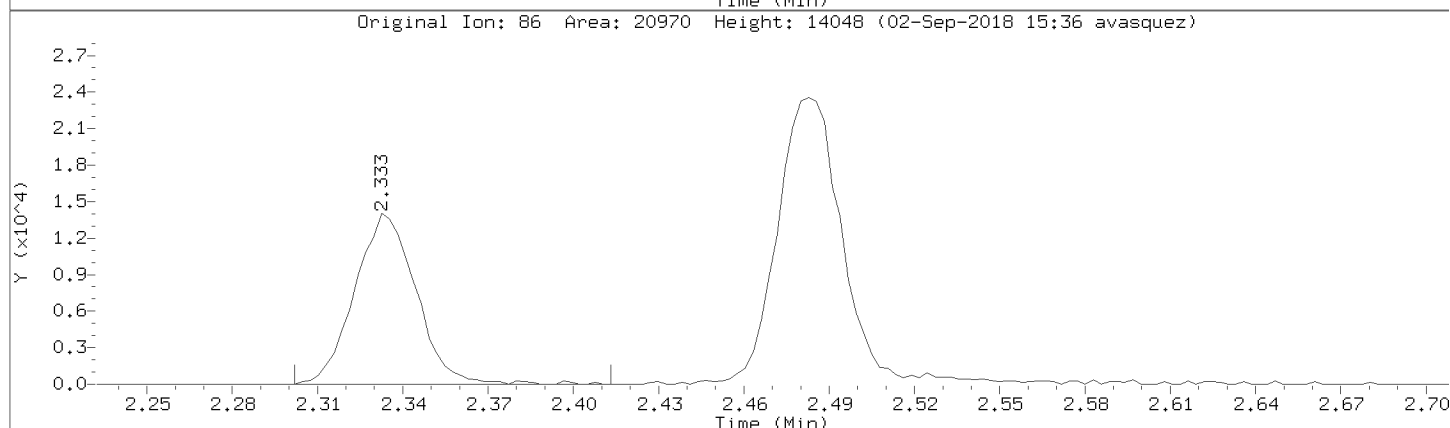
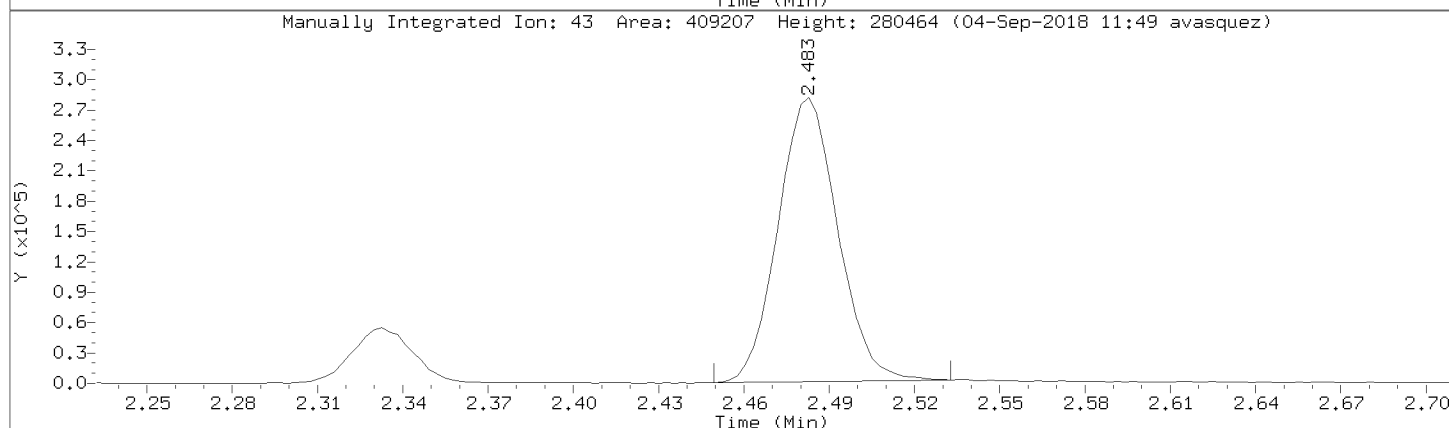
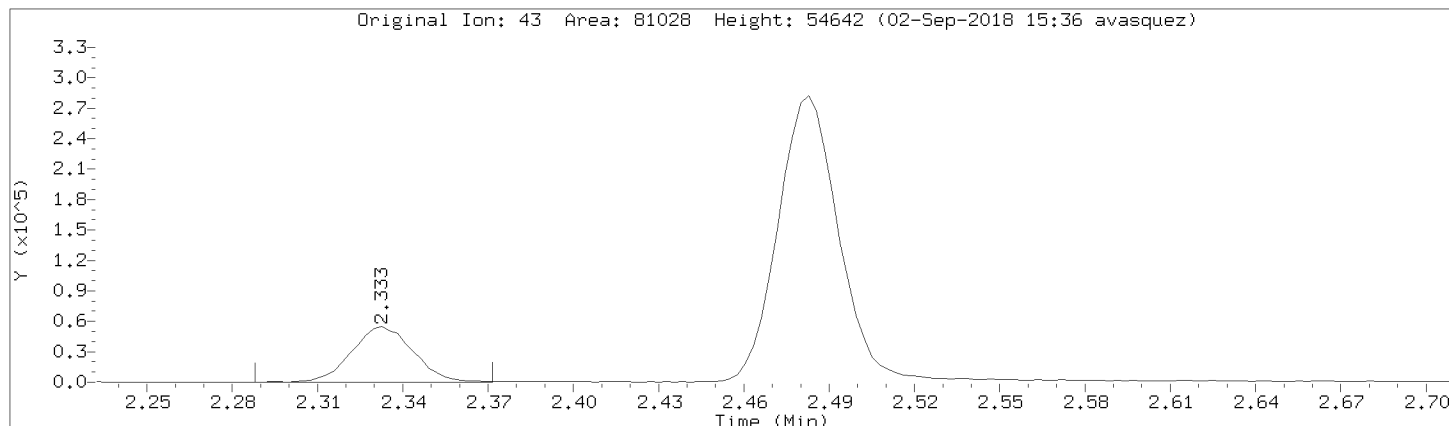


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Injection Date: 02-SEP-2018 12:13
Instrument: 50mv2a.i
Lab Sample ID:



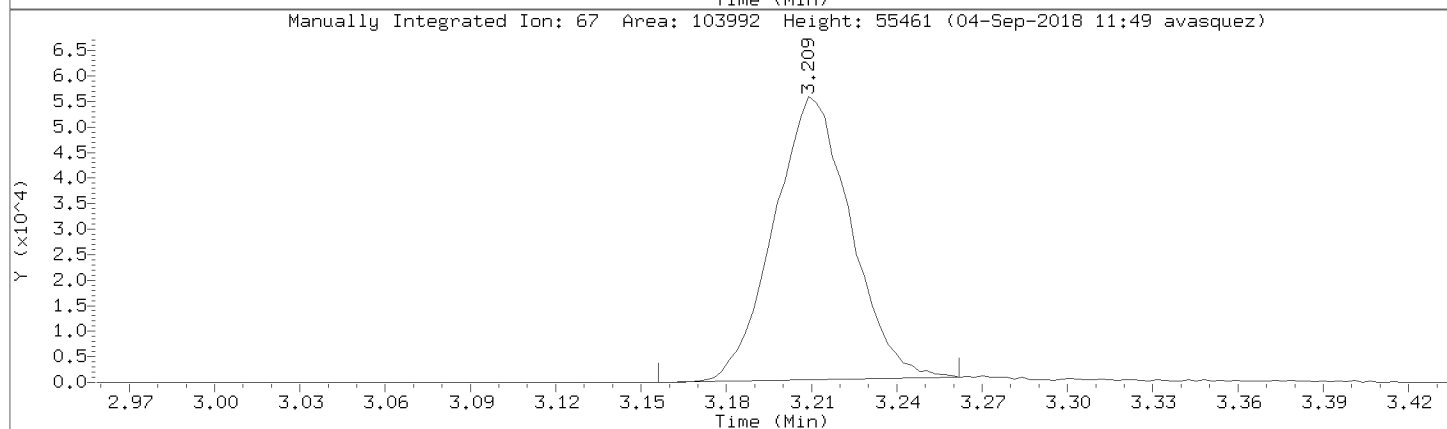
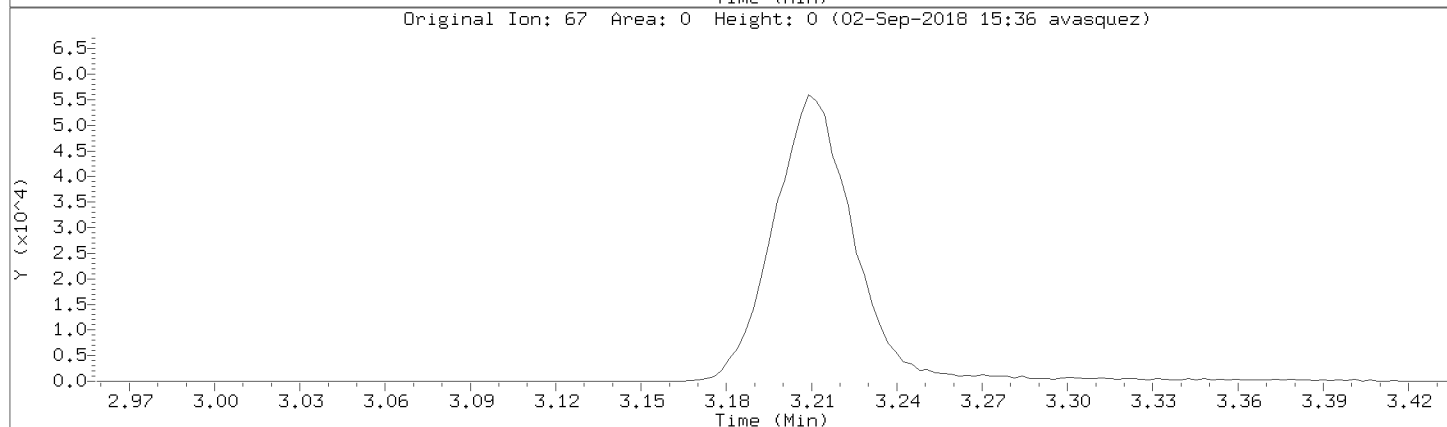
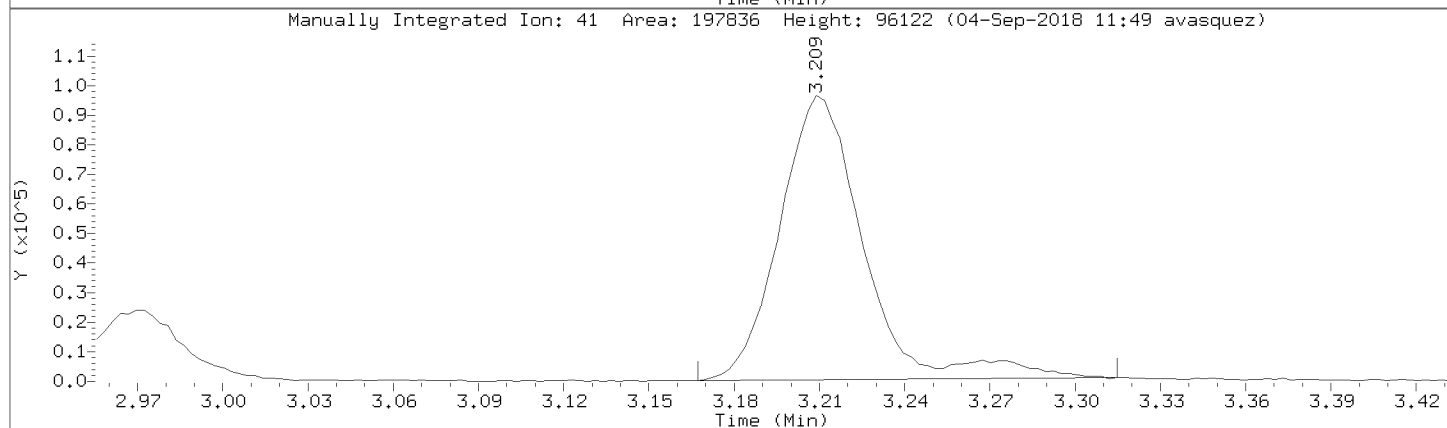
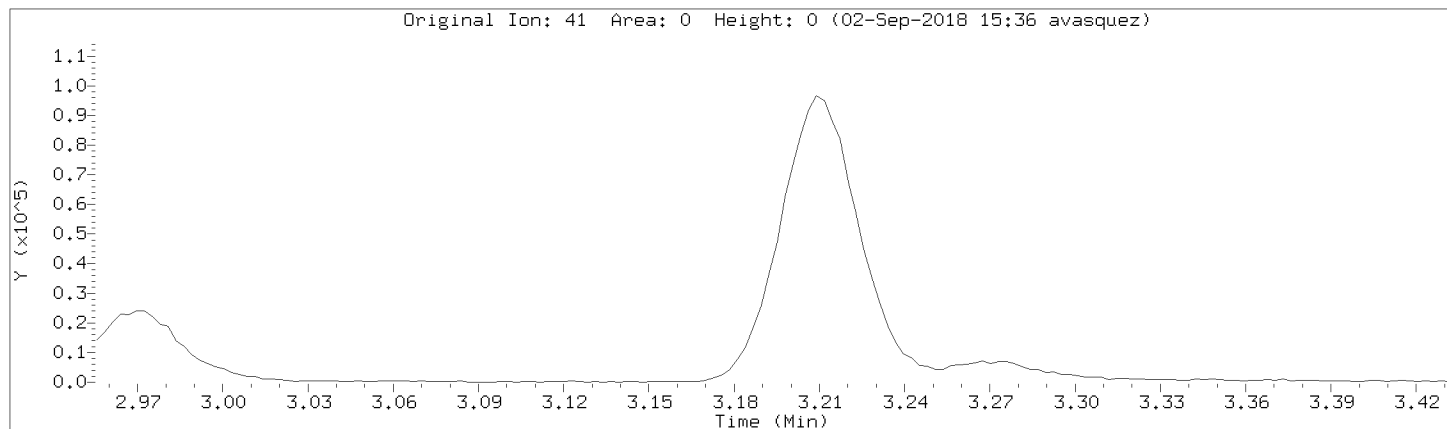
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Injection Date: 02-SEP-2018 12:13
Instrument: 50mv2a.i
Lab Sample ID:

Compound: Vinyl Acetate Review Code: NI
CAS Number: 108-05-4

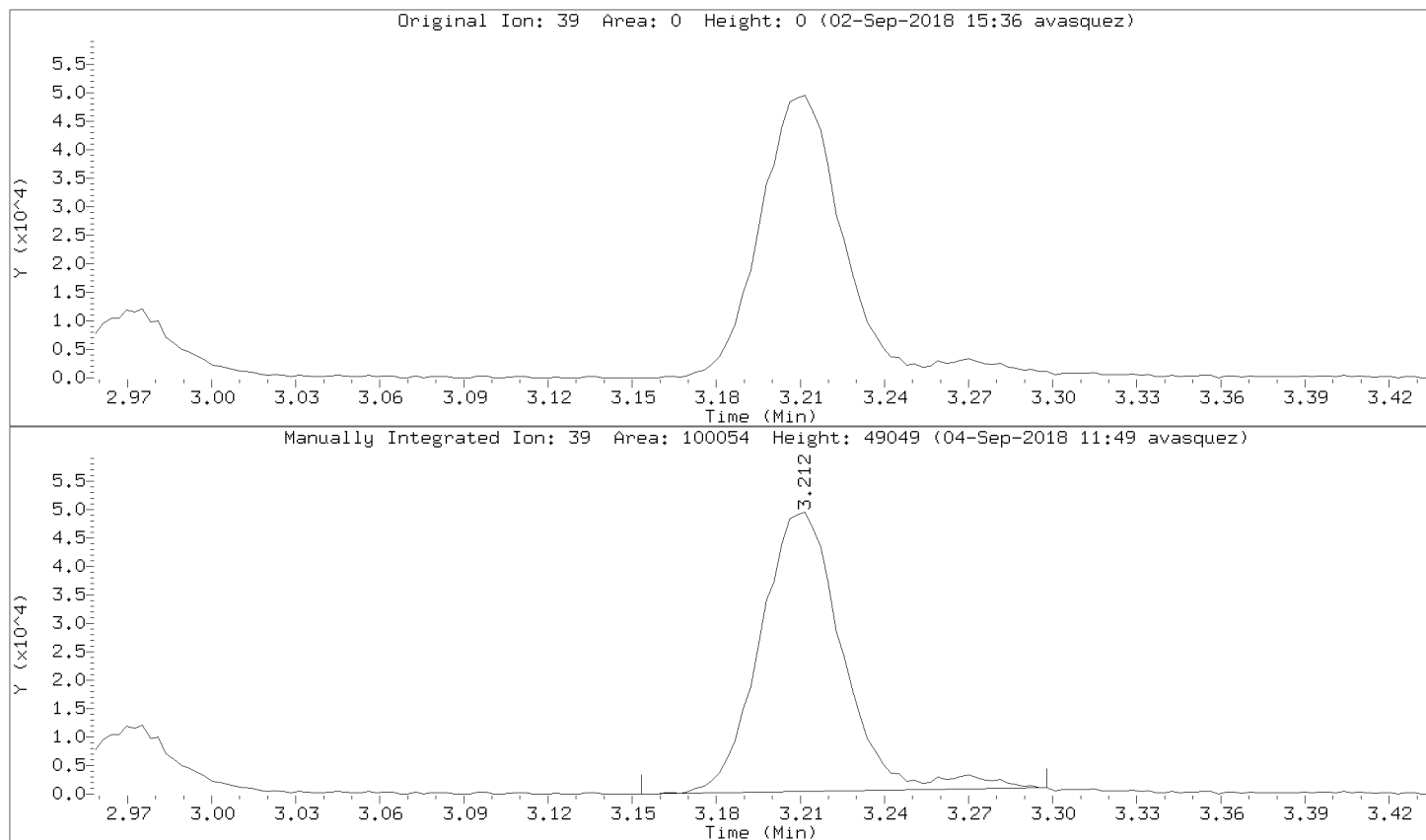


Data File: \\192.168.50.6\chem\50mv2a.i\090118.b/c23.d
Injection Date: 02-SEP-2018 12:13
Instrument: 50mv2a.i
Lab Sample ID:

Compound: Methacrylonitrile Review Code: NI
CAS Number: 126-98-7



Data File: \\192.168.50.6\chem\50mv2a.i\a090118.b/c23.d
Injection Date: 02-SEP-2018 12:13
Instrument: 50mv2a.i
Lab Sample ID:



MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 09/04/2018 23:53
Date Analyzed: 09/04/2018 23:53
Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Solid SDG No.: 50204438
Lab Sample ID: 2122398
Lab File ID: A090418.B\C03MB.D
Instrument: 50MV6A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U

09/10/2018 6:14

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 09/04/2018 23:53
Date Analyzed: 09/04/2018 23:53
Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Solid SDG No.: 50204438
Lab Sample ID: 2122398
Lab File ID: A090418.B\C03MB.D
Instrument: 50MV6A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
179601-23-1	m&p-Xylene	ND	U
95-47-6	o-Xylene	ND	U

09/10/2018 6:14

Pace Analytical Services, Inc.

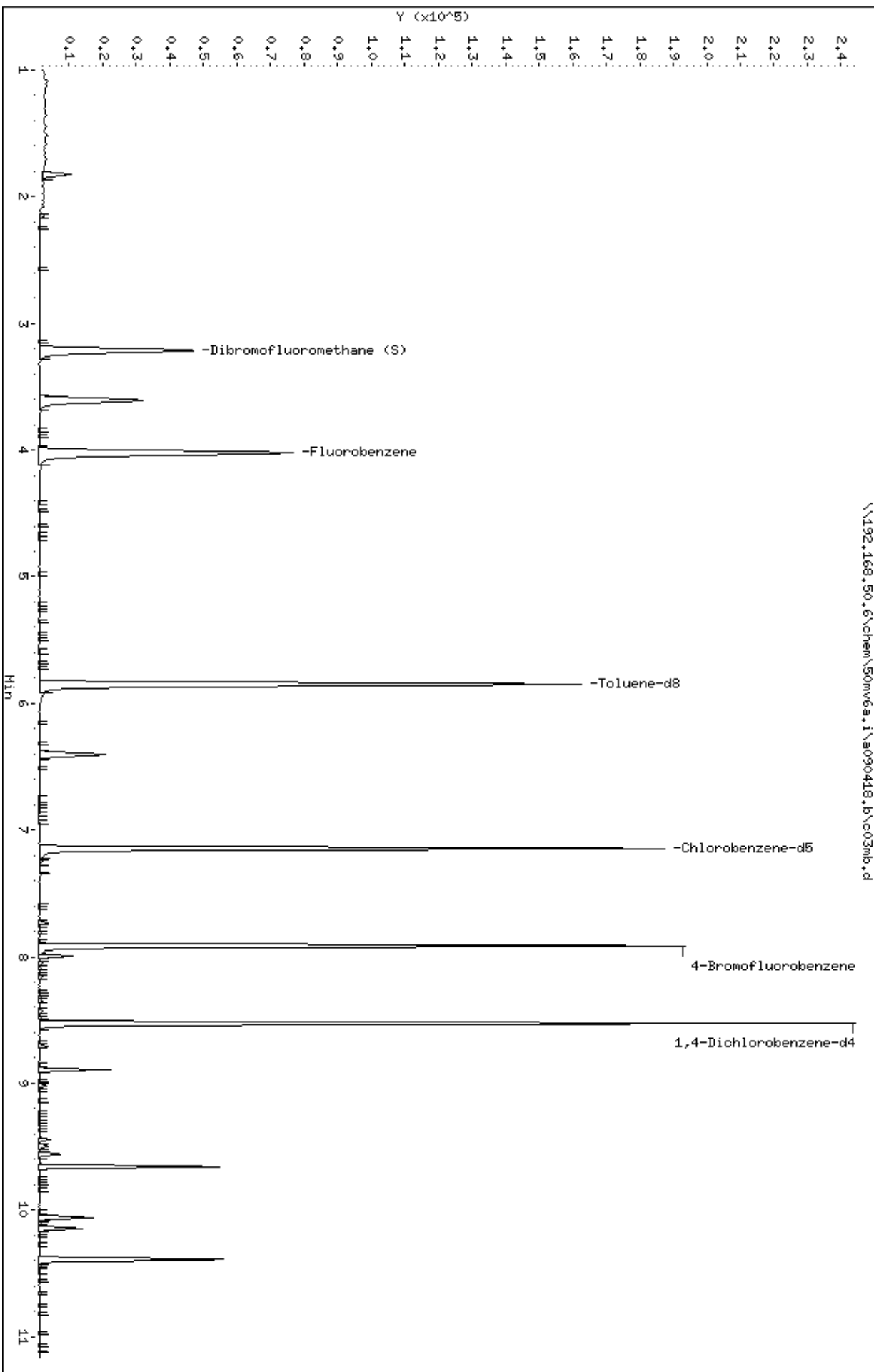
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 Inj Date : 04-SEP-2018 23:53
 Operator : ala Inst ID: 50mv6a.i
 Smp Info : 2122398
 Misc Info : 117877
 Comment :
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 Meth Date : 05-Sep-2018 10:55 50mv6a.i Quant Type: ISTD
 Cal Date : 28-AUG-2018 14:20 Cal File: a01.d
 Als bottle: 24 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A
 Processing Host: 50-VOA-ALA1

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ppb)	FINAL (ppb)
\$ 33 Dibromofluoromethane (S)	113		3.211	3.211	(0.798)	31673	53.1827	53.2
* 41 Fluorobenzene	96		4.024	4.029	(1.000)	88308	50.0000	
\$ 51 Toluene-d8	98		5.848	5.854	(0.818)	104524	48.0558	48.0
* 61 Chlorobenzene-d5	117		7.148	7.148	(1.000)	72112	50.0000	
\$ 72 4-Bromofluorobenzene	95		7.913	7.913	(1.107)	37585	50.7114	50.7
* 85 1,4-Dichlorobenzene-d4	152		8.529	8.528	(1.000)	38229	50.0000	
94 2,methyl-naphthalene	142		10.059	10.058	(1.179)	4995	3.72904	3.73
148 1-Methylnaphthalene	141		10.144	10.144	(1.189)	3844	3.54851	3.55

\\192.168.50.6\chem\50mw6a.1\9090418.b\c03mb.d



Date : 04-SEP-2018 23:53

Client ID: MB

Instrument: 50mv6a.i

Sample Info: 2122398

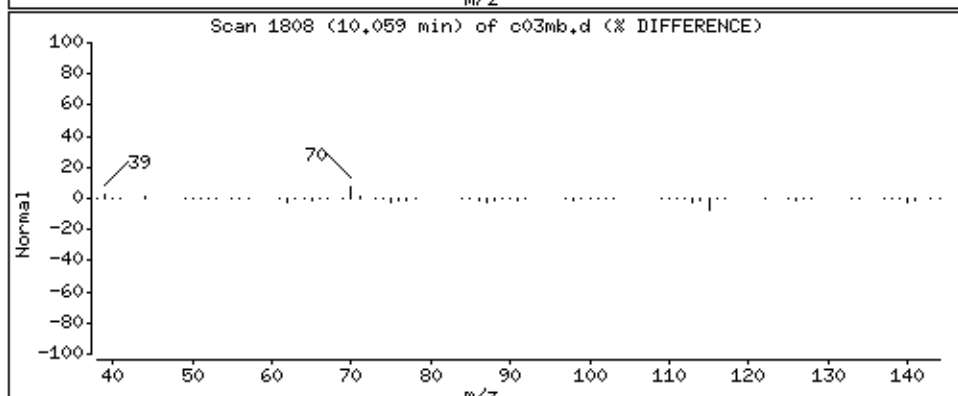
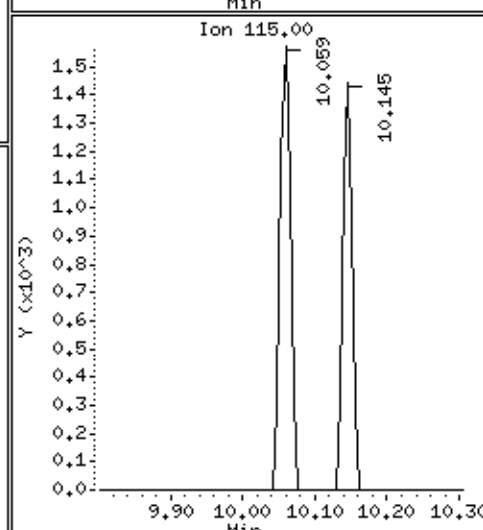
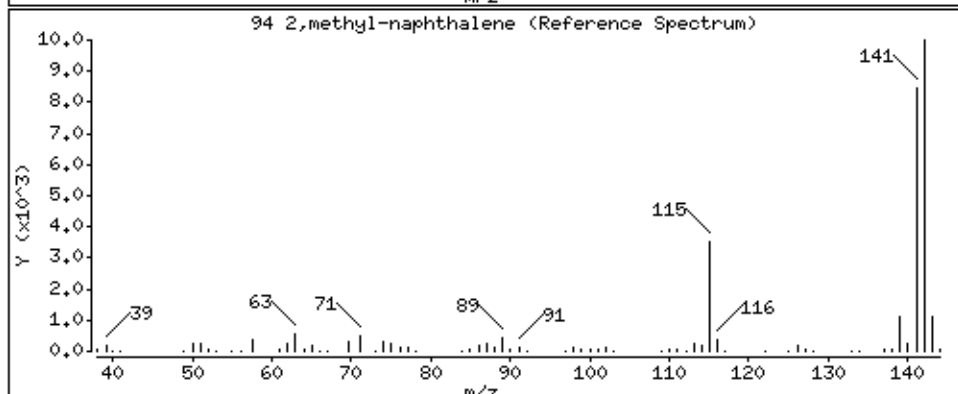
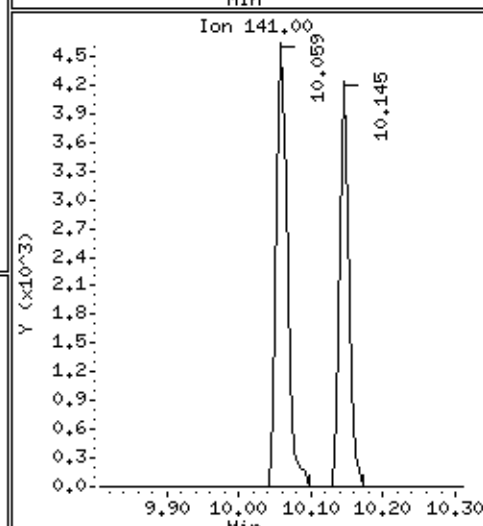
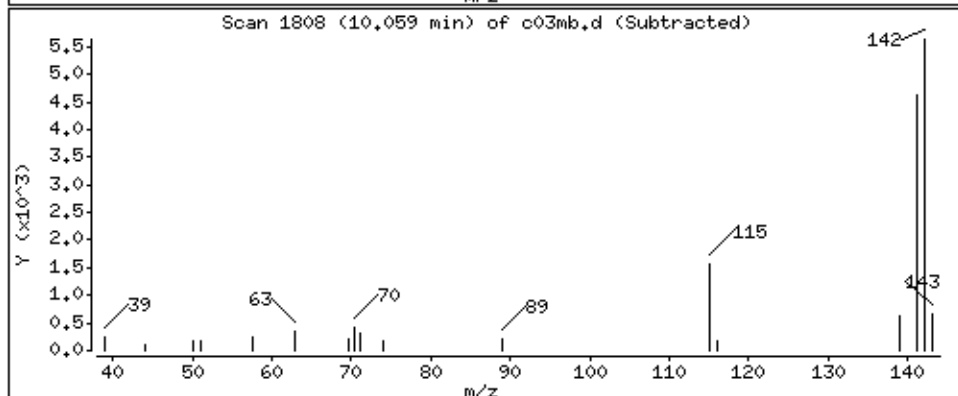
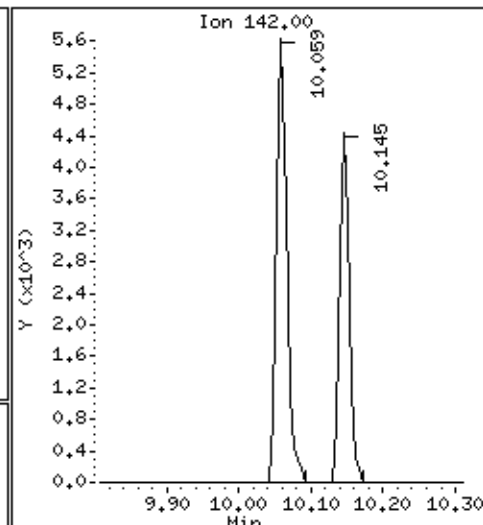
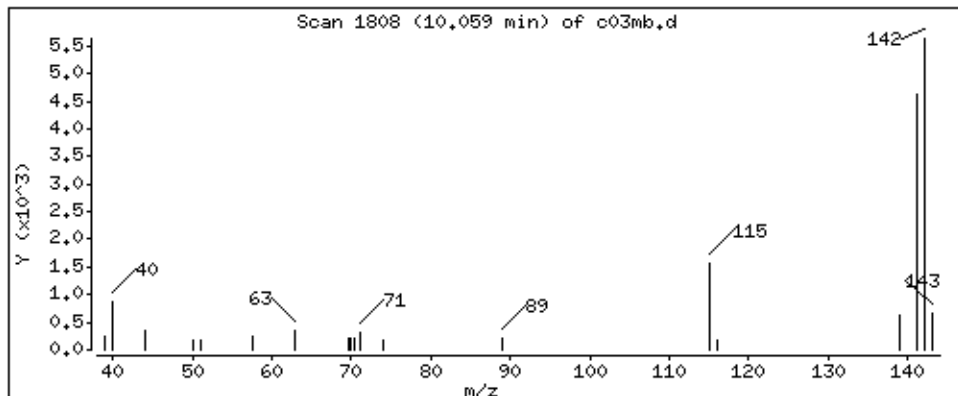
Operator: ala

Column phase: DB-624

Column diameter: 0,18

94 2,methyl-naphthalene

Concentration: 3,73 ppb



Date : 04-SEP-2018 23:53

Client ID: MB

Instrument: 50mv6a.i

Sample Info: 2122398

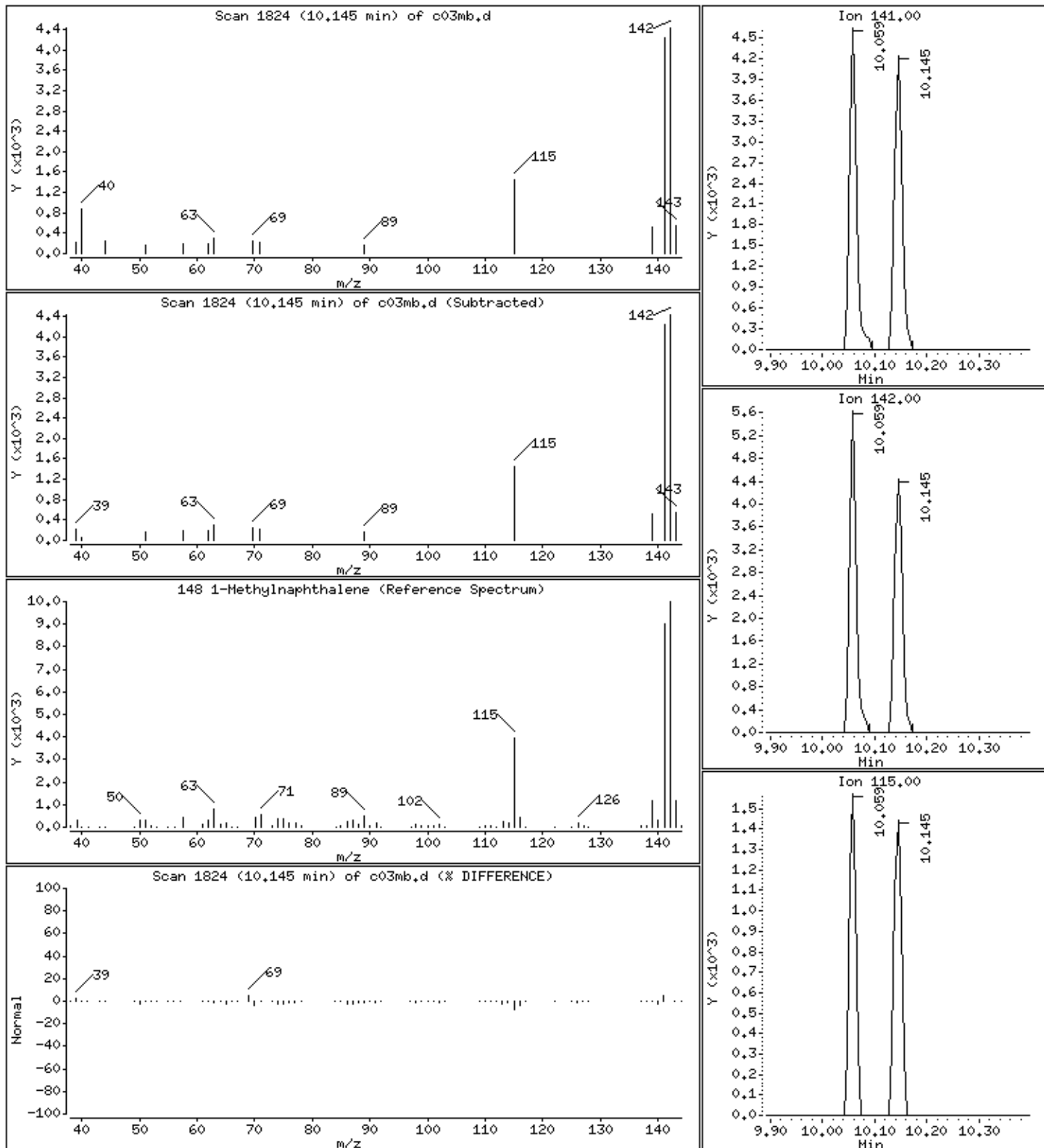
Operator: ala

Column phase: DB-624

Column diameter: 0,18

148 1-Methylnaphthalene

Concentration: 3,55 ppb



Data File: \\192.168.50.6\chem\50mv6a.i\a090418.b/c03mb.d
Injection Date: 04-SEP-2018 23:53
Instrument: 50mv6a.i
Lab Sample ID: 2122398
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 09/04/2018 23:15
Date Analyzed: 09/04/2018 23:15
Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Solid SDG No.: 50204438
Lab Sample ID: 2122399
Lab File ID: A090418.B\C02LCS.D
Instrument: 50MV6A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	176	
107-02-8	Acrolein	1110	
71-43-2	Benzene	48.5	
75-27-4	Bromodichloromethane	48.3	
75-25-2	Bromoform	48.5	
74-83-9	Bromomethane	37.7	
78-93-3	2-Butanone (MEK)	184	
104-51-8	n-Butylbenzene	43.1	
135-98-8	sec-Butylbenzene	48.6	
98-06-6	tert-Butylbenzene	37.6	
75-15-0	Carbon disulfide	43.8	
56-23-5	Carbon tetrachloride	50.3	
108-90-7	Chlorobenzene	47.4	
75-00-3	Chloroethane	45.3	
67-66-3	Chloroform	44.8	
74-87-3	Chloromethane	35.2	
106-93-4	1,2-Dibromoethane (EDB)	43.9	
74-95-3	Dibromomethane	51.0	
95-50-1	1,2-Dichlorobenzene	45.7	
541-73-1	1,3-Dichlorobenzene	44.4	
106-46-7	1,4-Dichlorobenzene	42.9	
75-71-8	Dichlorodifluoromethane	48.2	
75-34-3	1,1-Dichloroethane	44.7	
107-06-2	1,2-Dichloroethane	47.7	
75-35-4	1,1-Dichloroethene	47.6	
156-59-2	cis-1,2-Dichloroethene	48.6	
156-60-5	trans-1,2-Dichloroethene	47.3	
78-87-5	1,2-Dichloropropane	48.8	
10061-01-5	cis-1,3-Dichloropropene	47.1	
10061-02-6	trans-1,3-Dichloropropene	39.9	
100-41-4	Ethylbenzene	47.6	
591-78-6	2-Hexanone	211	
98-82-8	Isopropylbenzene (Cumene)	49.2	
99-87-6	p-Isopropyltoluene	47.6	
75-09-2	Methylene Chloride	45.3	
108-10-1	4-Methyl-2-pentanone (MIBK)	209	
1634-04-4	Methyl-tert-butyl ether	49.9	

09/10/2018 6:14

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Indiana
 Date Received: _____
 Date Extracted: 09/04/2018 23:15
 Date Analyzed: 09/04/2018 23:15
 Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
 Matrix: Solid SDG No.: 50204438
 Lab Sample ID: 2122399
 Lab File ID: A090418.B\C02LCS.D
 Instrument: 50MV6A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
91-20-3	Naphthalene	44.4	
103-65-1	n-Propylbenzene	46.4	
100-42-5	Styrene	48.1	
630-20-6	1,1,1,2-Tetrachloroethane	50.8	
79-34-5	1,1,2,2-Tetrachloroethane	45.7	
127-18-4	Tetrachloroethene	45.9	
108-88-3	Toluene	46.8	
120-82-1	1,2,4-Trichlorobenzene	40.2	
71-55-6	1,1,1-Trichloroethane	51.4	
79-00-5	1,1,2-Trichloroethane	48.8	
79-01-6	Trichloroethene	49.5	
75-69-4	Trichlorofluoromethane	47.4	
95-63-6	1,2,4-Trimethylbenzene	46.8	
108-67-8	1,3,5-Trimethylbenzene	48.8	
108-05-4	Vinyl acetate	179	
75-01-4	Vinyl chloride	47.3	
179601-23-1	m&p-Xylene	95.9	
95-47-6	o-Xylene	50.7	

09/10/2018 6:14

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6a.i\090418.b\c021cs.d
 Lab Smp Id: 2122399 Client Smp ID: MBLCS
 Inj Date : 04-SEP-2018 23:15
 Operator : ala Inst ID: 50mv6a.i
 Smp Info : 2122399,184730:5
 Misc Info : 117877
 Comment :
 Method : \\192.168.50.6\chem\50mv6a.i\090418.b\-a8260sl_a_c.m
 Meth Date : 05-Sep-2018 10:55 50mv6a.i Quant Type: ISTD
 Cal Date : 28-AUG-2018 14:20 Cal File: a01.d
 Als bottle: 23 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A
 Processing Host: 50-VOA-ALA1

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ppb)	FINAL (ppb)
1 Dichlorodifluoromethane	85			0.916	0.916	(0.228)	71497	48.2235	48.2
2 Chloromethane	50			0.996	0.996	(0.248)	59306	35.1827	35.2
3 Vinyl Chloride	62			1.039	1.039	(0.258)	73552	47.3205	47.3
4 Bromomethane	94			1.178	1.178	(0.293)	51791	37.7121	37.7
5 Chloroethane	64			1.221	1.221	(0.303)	47268	45.2838	45.3
6 Trichlorofluoromethane	101			1.328	1.328	(0.330)	100386	47.3614	47.4
8 Diethyl ether	74			1.446	1.445	(0.359)	30026	45.9233	45.9
7 1,2-dichlorotrifluoroethane	67			1.462	1.462	(0.363)	77328	44.8053	44.8
9 Acrolein	56			1.515	1.515	(0.377)	226836	1111.01	1110
10 1,1,2trichlorotrifluoroethane	101			1.563	1.563	(0.389)	67361	50.7050	50.7
11 1,1-Dichloroethene	96			1.569	1.569	(0.390)	60193	47.5779	47.6
12 Acetone	43			1.579	1.579	(0.393)	56200	176.196	176
13 Iodomethane	142			1.649	1.649	(0.410)	163979	107.753	108
14 Carbon Disulfide	76			1.692	1.697	(0.420)	205369	43.8088	43.8
16 Methyl Acetate	43			1.734	1.740	(0.431)	53050	66.2805	66.3
143 Acetonitrile	39			1.750	1.750	(0.435)	100317	38.1215	38.1
15 allyl chloride	41			1.750	1.750	(0.435)	148841	77.1743	77.2
17 Methylene Chloride	84			1.820	1.825	(0.452)	59558	45.2748	45.3
18 tert-Butyl Alcohol	59			1.863	1.863	(0.463)	11951	79.4556	79.4(Q)
19 Acrylonitrile	53			1.954	1.954	(0.486)	59174	162.920	163

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb)	FINAL (ppb)
20 Methyl-tert-butyl ether	73	1.975	1.975	(0.491)	136163	49.9424	49.9
21 1,2-Dichloroethene (trans)	96	1.986	1.986	(0.494)	62353	47.3492	47.3
22 n-Hexane	57	2.152	2.152	(0.535)	67369	37.6043	37.6
24 Vinyl Acetate	43	2.264	2.264	(0.563)	297148	179.312	179
23 1,1-Dichloroethane	63	2.275	2.275	(0.565)	87531	44.6970	44.7
147 chloroprene	53	2.323	2.323	(0.577)	74571	50.0515	50.0
28 2-Butanone	72	2.713	2.713	(0.674)	21067	184.229	184 (Q)
26 1,2-Dichloroethene (cis)	96	2.724	2.724	(0.677)	53237	48.6094	48.6 (Q)
27 2,2-Dichloropropane	77	2.724	2.729	(0.677)	65980	45.2433	45.2
149 Propionitrile	54	2.772	2.772	(0.689)	4346	35.3304	35.3 (Q)
144 Methacrylonitrile	41	2.906	2.911	(0.722)	84329	210.188	210
30 Bromochloromethane	49	2.943	2.943	(0.731)	35319	46.0011	46.0
31 Tetrahydrofuran	42	2.965	2.970	(0.737)	9888	38.7876	38.8
32 Chloroform	83	3.045	3.050	(0.757)	87123	44.8079	44.8
\$ 33 Dibromofluoromethane (S)	113	3.211	3.211	(0.798)	31877	47.8426	47.8
34 1,1,1-Trichloroethane	97	3.211	3.211	(0.798)	81161	51.3541	51.4
35 Cyclohexane	56	3.286	3.286	(0.817)	66387	41.1245	41.1
150 n-Butyl chloride	56	3.350	3.350	(0.833)	94765	49.6587	49.6
36 Carbon Tetrachloride	117	3.382	3.382	(0.840)	72035	50.2866	50.3
37 1,1-Dichloropropene	75	3.387	3.393	(0.842)	67647	49.4422	49.4
39 Benzene	78	3.618	3.623	(0.899)	183820	48.5286	48.5
40 1,2-Dichloroethane	62	3.708	3.708	(0.922)	52955	47.7052	47.7
145 isopropyl acetate	61	3.730	3.735	(0.927)	68324	246.169	246
141 2,2,4-Trimethylpentane	57	3.783	3.783	(0.940)	166144	50.9123	50.9
38 Isobutyl alcohol	43	3.548	3.553	(0.882)	8488	188.968	189
* 41 Fluorobenzene	96	4.024	4.029	(1.000)	98797	50.0000	
42 Trichloroethene	95	4.479	4.479	(1.113)	48945	49.4867	49.5
43 Methylcyclohexane	55	4.736	4.741	(1.177)	56153	42.0943	42.1
44 1,2-Dichloropropane	63	4.784	4.789	(1.189)	44459	48.8394	48.8
45 Dibromomethane	93	4.880	4.885	(1.213)	26702	51.0045	51.0
142 1,4-Dioxane	88	4.891	4.896	(1.215)	9284	836.169	836
46 Methyl methacrylate	69	4.901	4.907	(1.218)	23450	43.1156	43.1
47 Bromodichloromethane	83	5.105	5.105	(1.269)	61283	48.2888	48.3
48 2-Chloroethyl vinyl ether	63	5.458	5.452	(0.764)	3325	22.1707	22.2
49 cis-1,3-Dichloropropene	75	5.586	5.591	(0.781)	66500	47.1071	47.1
50 4-Methyl-2-Pentanone	43	5.763	5.763	(0.806)	156410	209.098	209
\$ 51 Toluene-d8	98	5.848	5.854	(0.818)	109009	49.1613	49.2
52 Toluene	91	5.918	5.923	(0.828)	185787	46.8180	46.8
53 trans-1,3-Dichloropropene	75	6.201	6.201	(0.868)	54640	39.8927	39.9
54 Ethyl Methacrylate	69	6.287	6.292	(0.880)	188014	176.687	177
55 1,1,2-Trichloroethane	83	6.389	6.394	(0.894)	32375	48.8360	48.8
56 Tetrachloroethene	166	6.431	6.431	(0.900)	50027	45.9020	45.9
57 1,3-Dichloropropane	76	6.533	6.533	(0.914)	58108	49.4365	49.4
58 2-Hexanone	43	6.603	6.608	(0.924)	113384	210.874	211
59 Dibromochloromethane	129	6.710	6.715	(0.939)	46631	50.2959	50.3
60 1,2-Dibromoethane	107	6.790	6.795	(0.950)	37134	43.8652	43.9
* 61 Chlorobenzene-d5	117	7.148	7.148	(1.000)	73515	50.0000	
62 Chlorobenzene	112	7.164	7.170	(1.002)	117282	47.4441	47.4
63 1,1,1,2-Tetrachloroethane	131	7.245	7.245	(1.013)	44741	50.7730	50.8
64 Ethylbenzene	106	7.245	7.250	(1.013)	63759	47.5894	47.6
65 m&p-Xylene	106	7.341	7.341	(1.027)	158678	95.8944	95.9
67 o-Xylene	106	7.582	7.582	(1.061)	75612	50.6608	50.7
68 Styrene	104	7.598	7.598	(1.063)	124670	48.0972	48.1
69 Bromoform	173	7.710	7.710	(0.904)	28561	48.4542	48.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb)	FINAL (ppb)
146 n-amyl acetate	70	7.726	7.726	(1.920)	109224	199.718	200
70 Isopropylbenzene	105	7.812	7.812	(1.093)	205362	49.1753	49.2
\$ 72 4-Bromofluorobenzene	95	7.913	7.913	(1.107)	38638	51.1372	51.1
74 Bromobenzene	77	7.978	7.977	(1.116)	67236	45.2429	45.2
73 1,1,2,2-Tetrachloroethane	83	7.999	7.999	(0.938)	48044	45.6756	45.7
71 trans-1,4-Dichloro-2-butene	53	8.020	8.020	(1.122)	41237	158.656	159(Q)
75 1,2,3-Trichloropropane	110	8.026	8.026	(0.941)	12639	49.5882	49.6(Q)
76 n-Propylbenzene	91	8.047	8.047	(0.944)	235324	46.3538	46.4
77 2-Chlorotoluene	91	8.090	8.090	(0.949)	138637	48.1347	48.1
78 1,3,5-Trimethylbenzene	105	8.149	8.149	(0.955)	154151	48.8121	48.8
79 4-Chlorotoluene	126	8.159	8.159	(0.957)	45601	46.2784	46.3
80 tert-Butylbenzene	119	8.309	8.309	(0.974)	142597	37.5601	37.6
81 1,2,4-Trimethylbenzene	105	8.341	8.341	(0.978)	148897	46.8074	46.8
82 sec-Butylbenzene	105	8.427	8.427	(0.988)	222070	48.6338	48.6
83 1,3-Dichlorobenzene	146	8.486	8.486	(0.995)	88279	44.4431	44.4
84 p-Isopropyltoluene	119	8.507	8.507	(0.997)	175255	47.6128	47.6
* 85 1,4-Dichlorobenzene-d4	152	8.529	8.528	(1.000)	39982	50.0000	
86 1,4-Dichlorobenzene	146	8.539	8.539	(1.001)	88549	42.8869	42.9
87 n-Butylbenzene	91	8.705	8.705	(1.021)	159701	43.0725	43.1
88 1,2-Dichlorobenzene	146	8.710	8.710	(1.021)	85393	45.6736	45.7
89 1,2-Dibromo-3-chloropropane	155	9.080	9.079	(1.065)	8489	48.3776	48.4
90 1,2,4-Trichlorobenzene	180	9.443	9.443	(1.107)	52673	40.1714	40.2
91 Hexachlorobutadiene	225	9.502	9.502	(1.114)	36446	45.1586	45.2
92 Naphthalene	128	9.556	9.556	(1.120)	141293	44.4489	44.4
93 1,2,3-Trichlorobenzene	180	9.652	9.652	(1.132)	52787	38.5886	38.6
94 2-methyl-naphthalene	142	10.059	10.058	(1.179)	79914	35.0368	35.0(R)
148 1-Methylnaphthalene	141	10.144	10.144	(1.189)	67431	37.0116	37.0(R)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
 R - Spike/Surrogate failed recovery limits.

Date : 04-SEP-2018 23:15

Client ID: HBLCS

Sample Info: 2122399,184730:5

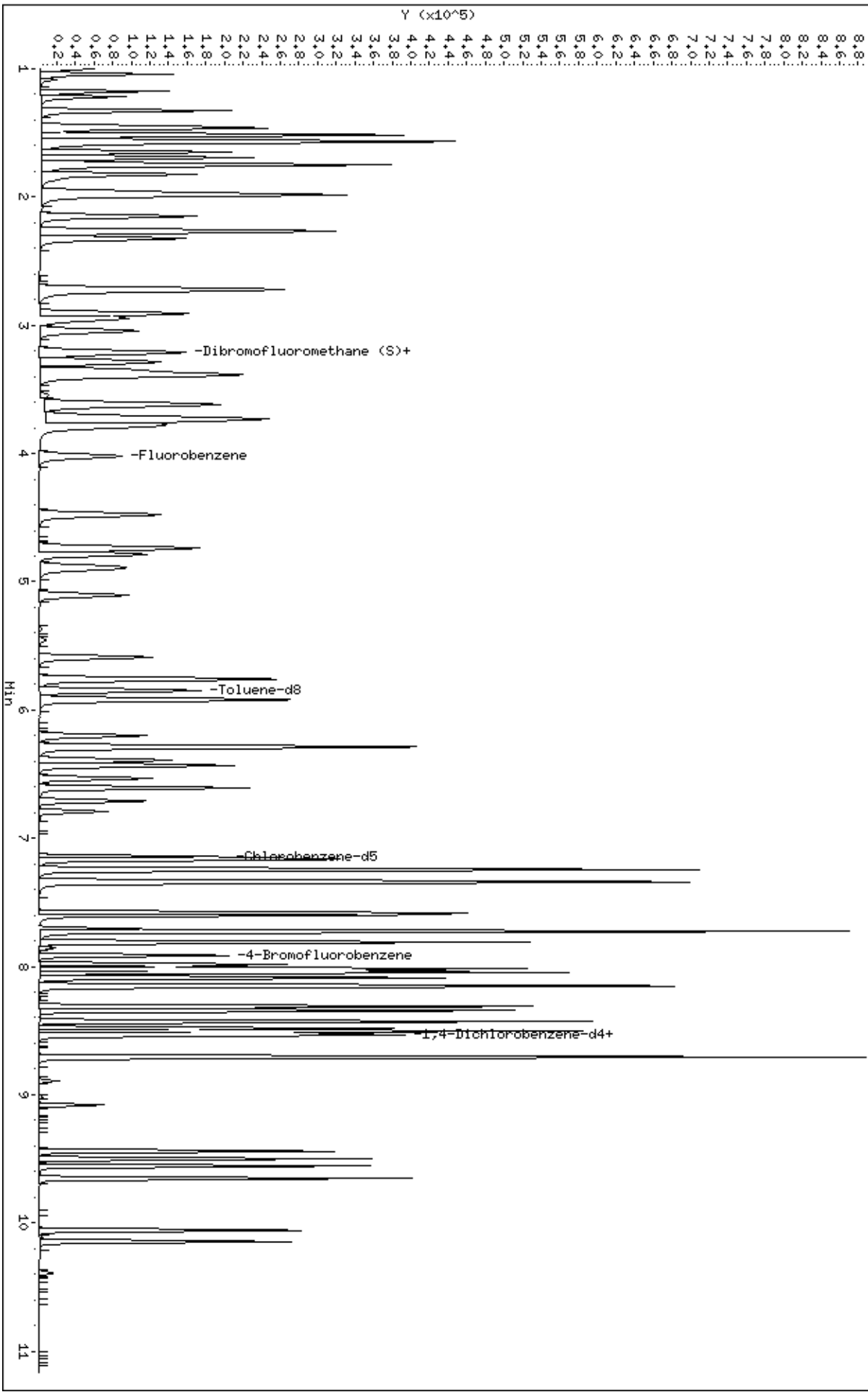
Instrument: 50mw6a.i

Operator: aia

Column diameter: 0.18

Column phase: DB-624

\\192.168.50.6\chem\50mw6a.i\A090418.b\0021cs.d



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

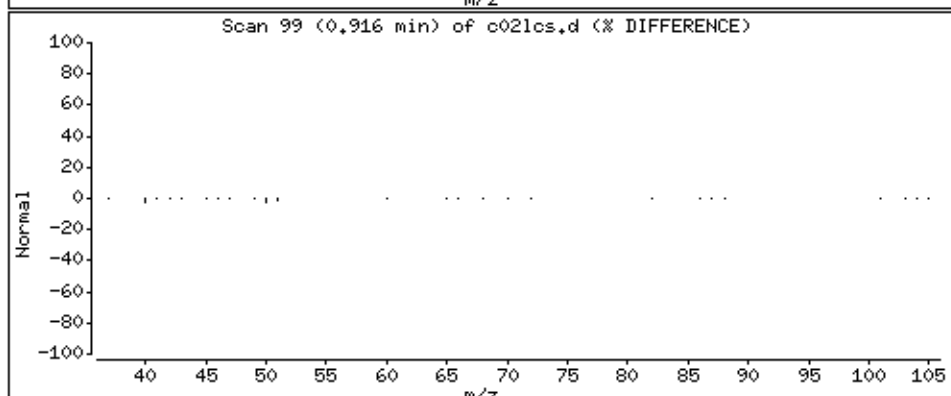
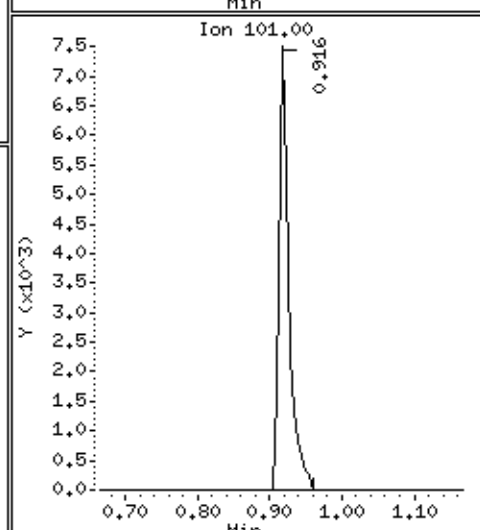
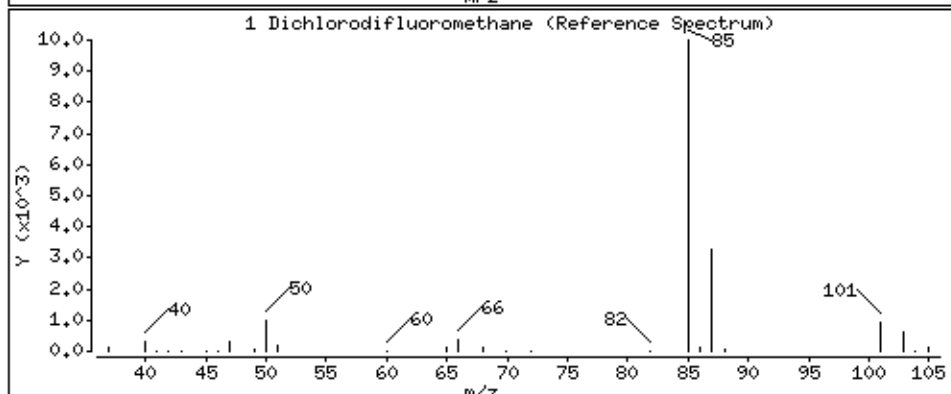
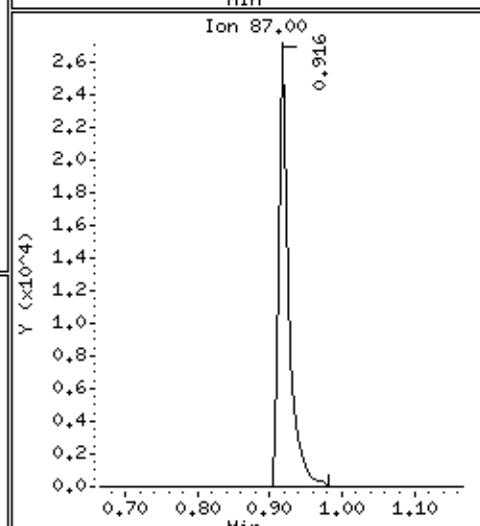
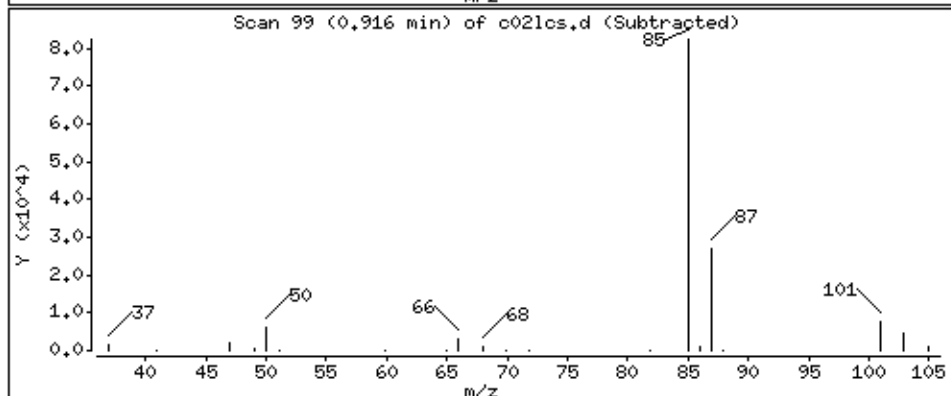
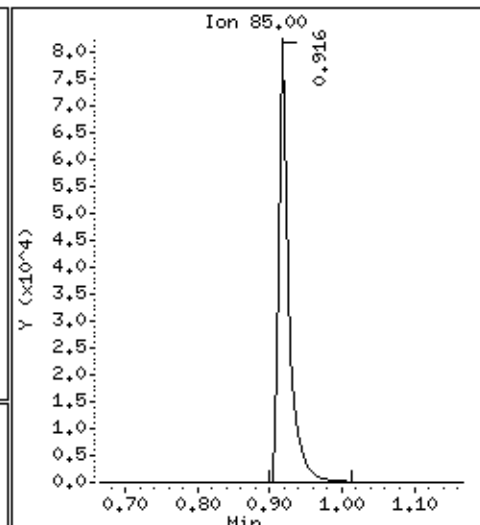
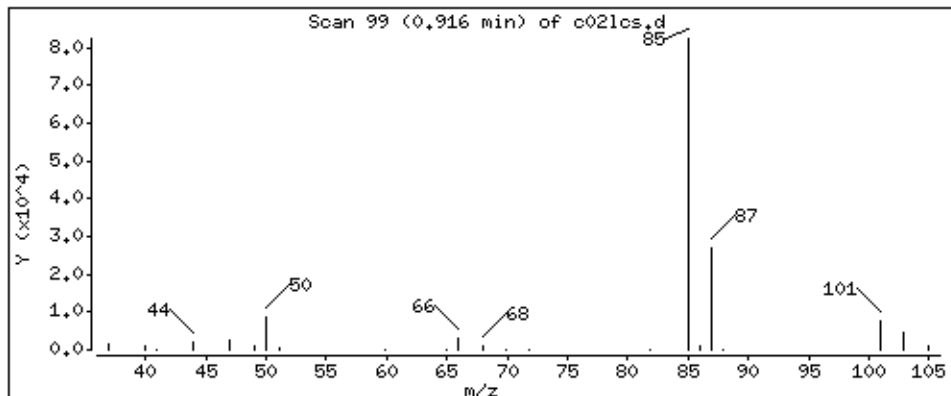
Operator: ala

Column phase: DB-624

Column diameter: 0,18

1 Dichlorodifluoromethane

Concentration: 48,2 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

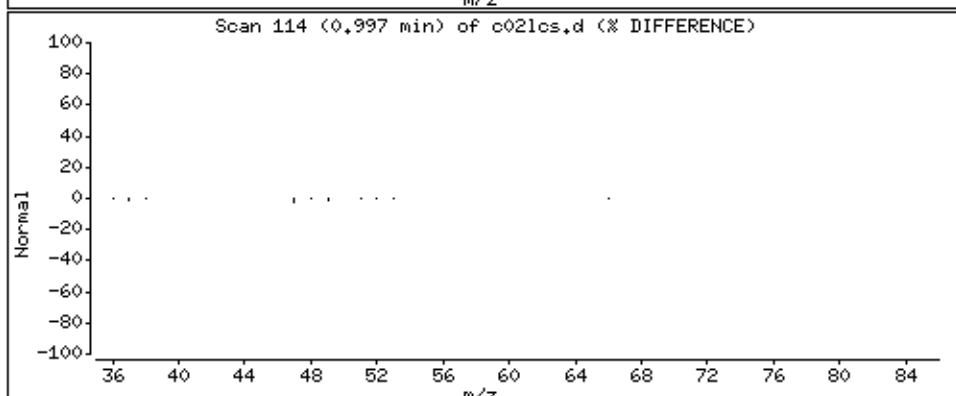
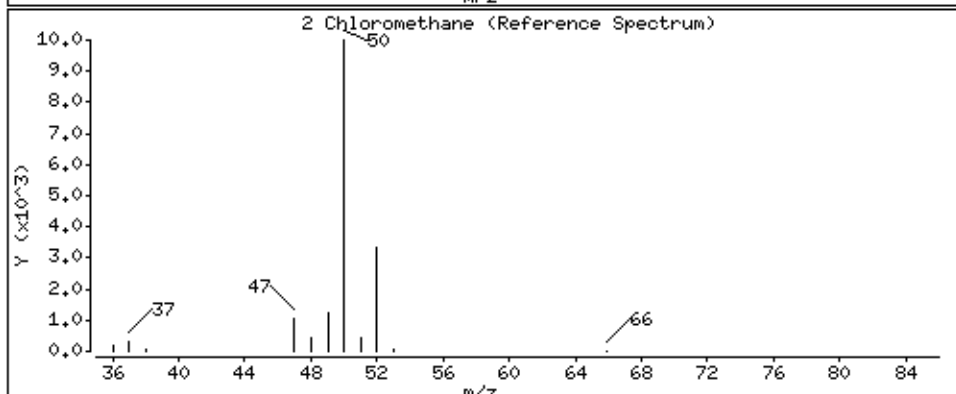
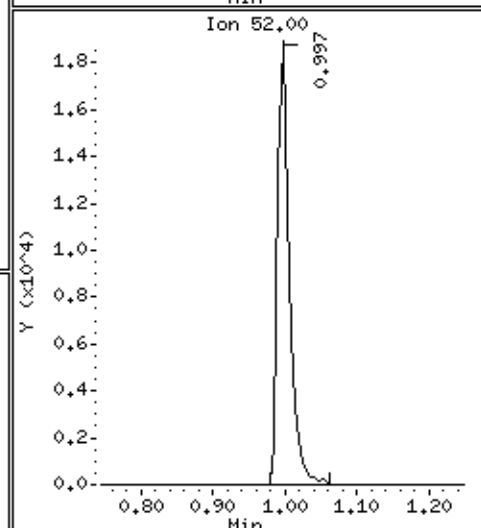
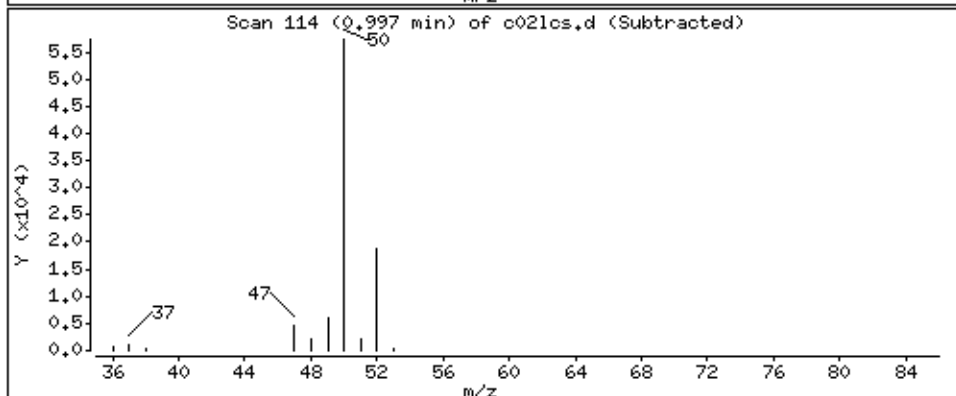
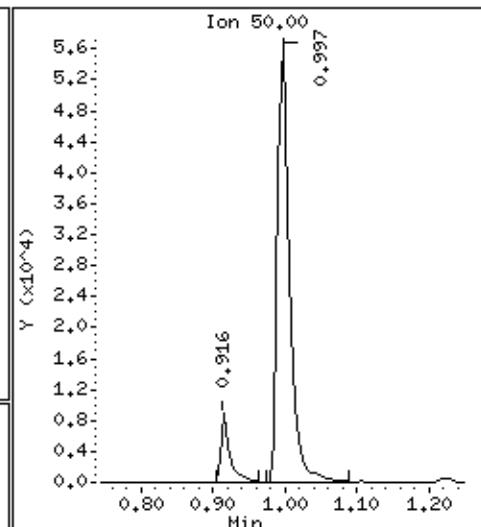
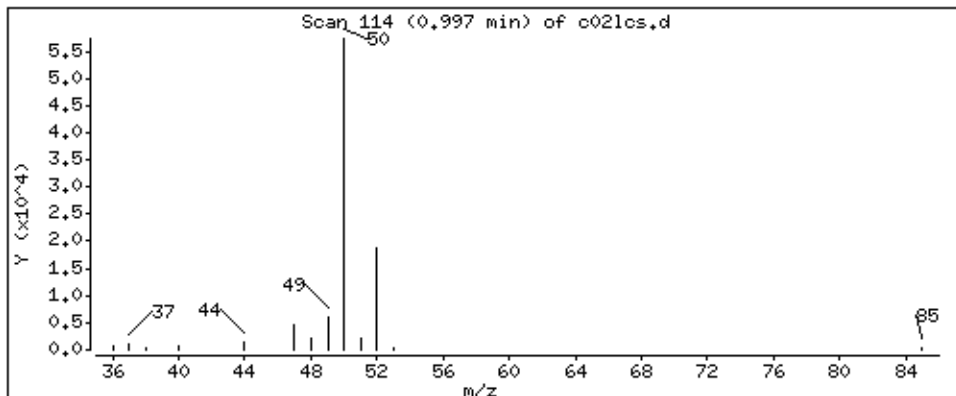
Operator: ala

Column phase: DB-624

Column diameter: 0,18

2 Chloromethane

Concentration: 35,2 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730;5

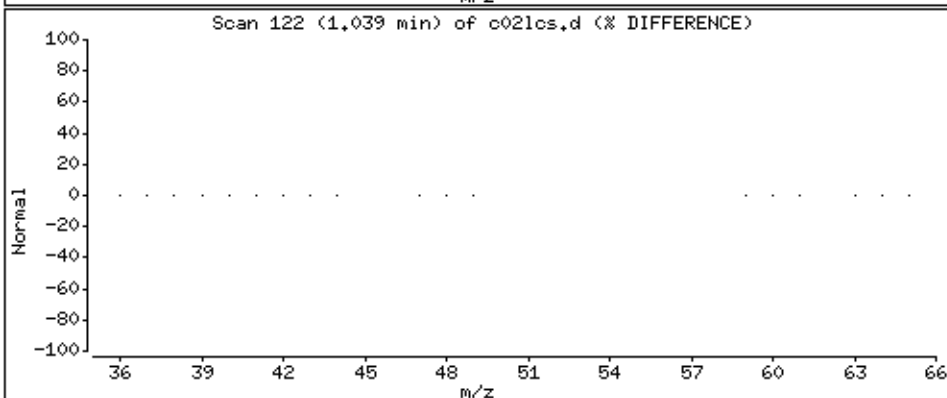
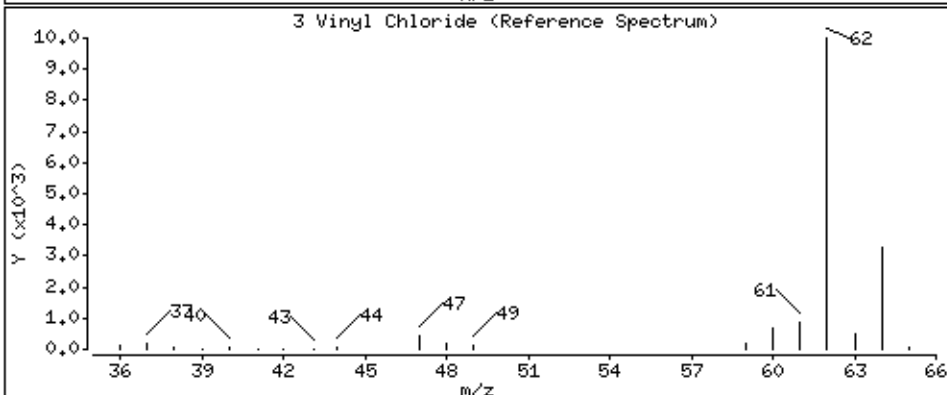
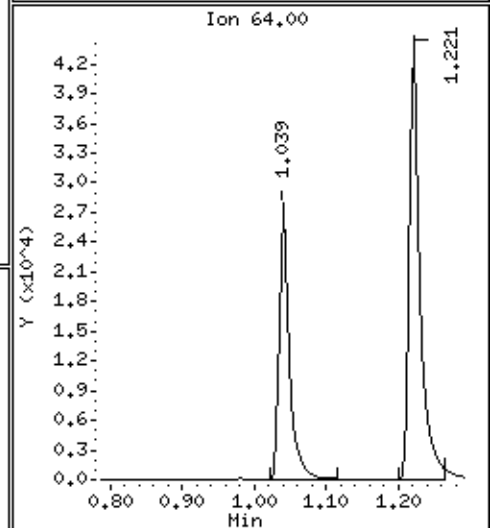
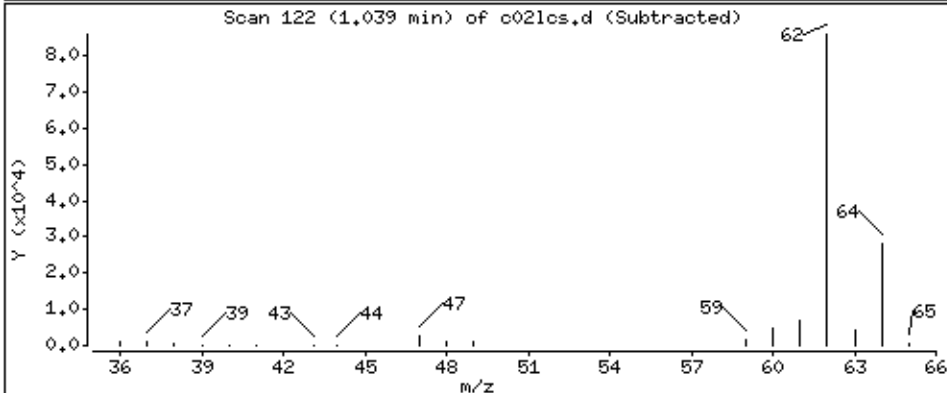
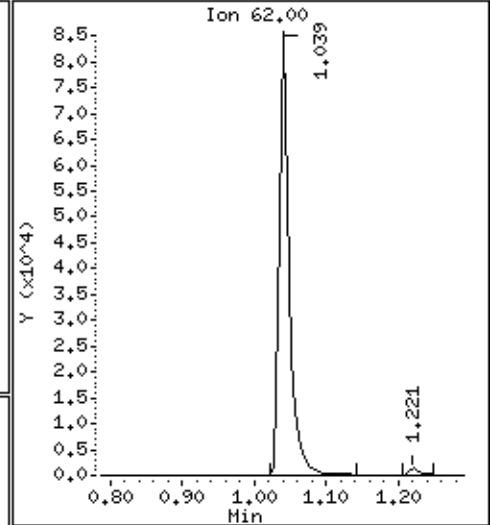
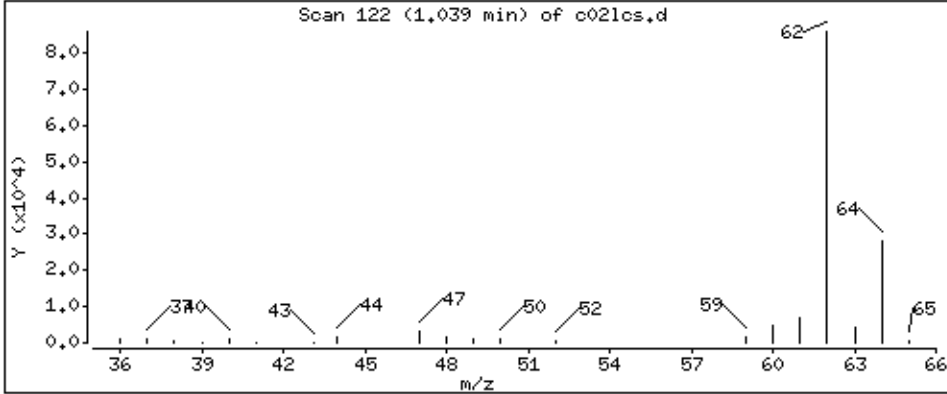
Operator: ala

Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 47,3 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

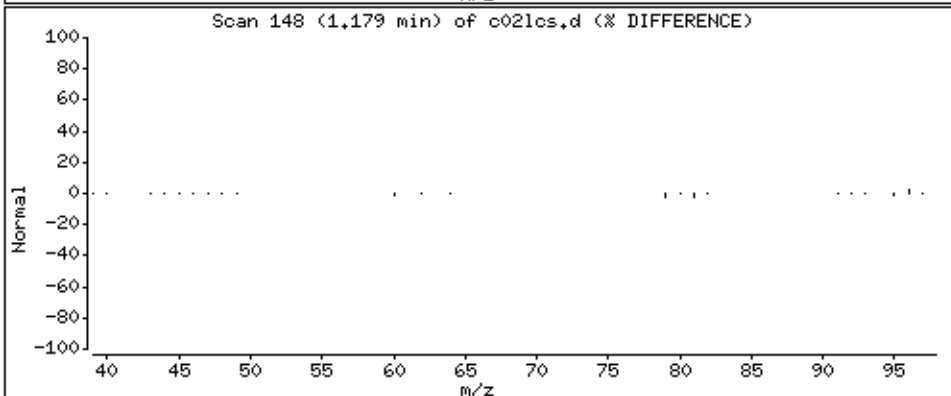
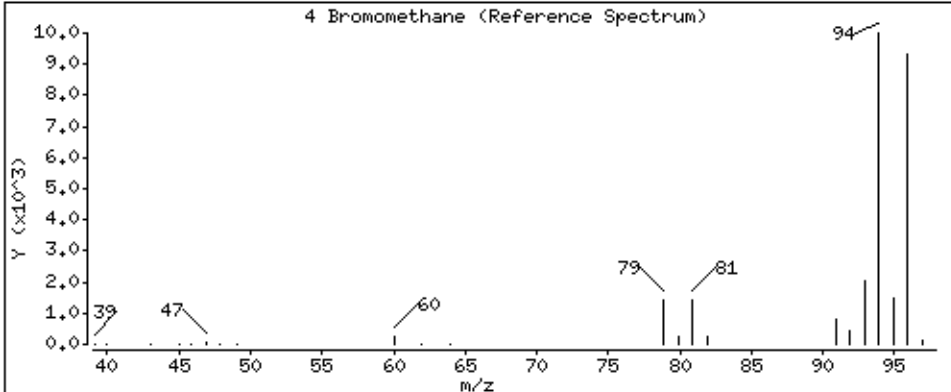
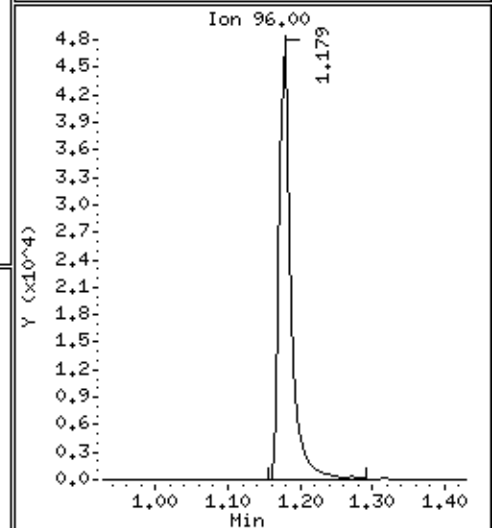
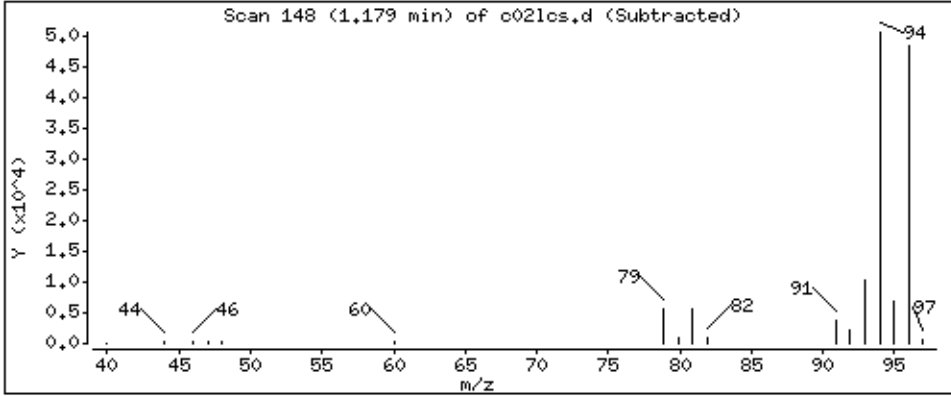
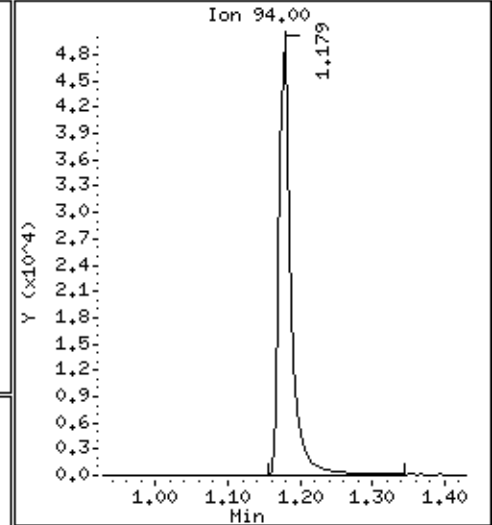
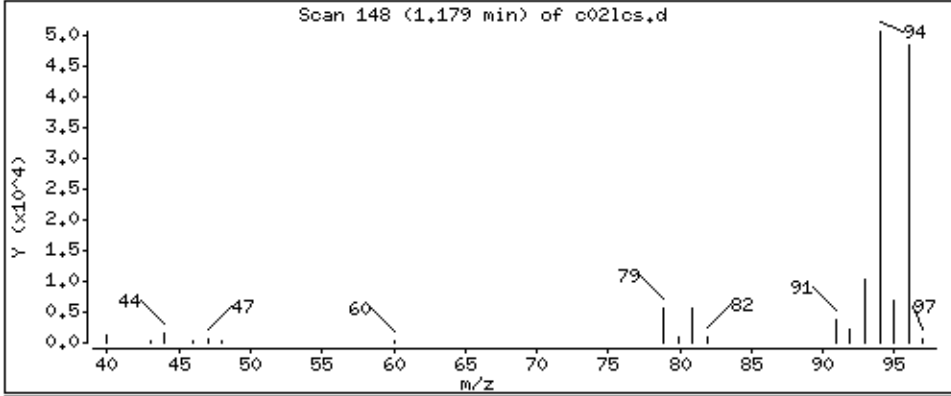
Operator: ala

Column phase: DB-624

Column diameter: 0,18

4 Bromomethane

Concentration: 37,7 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

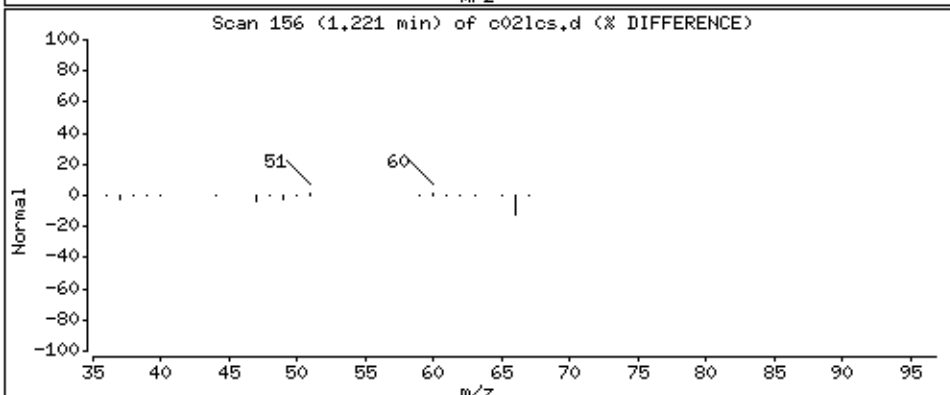
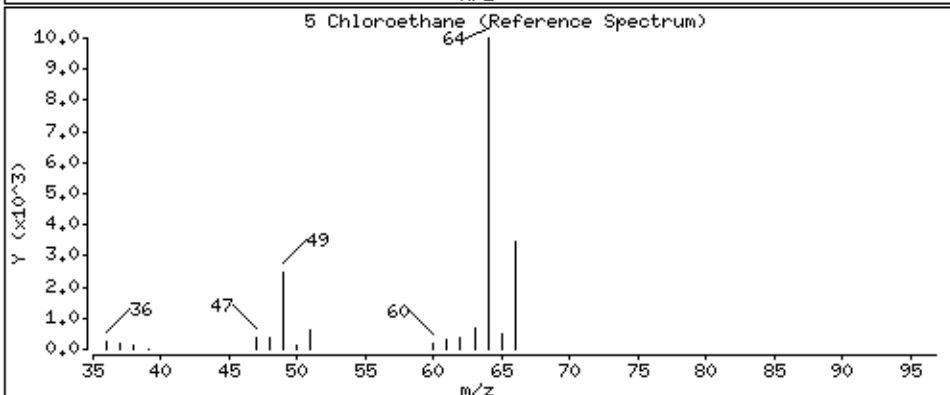
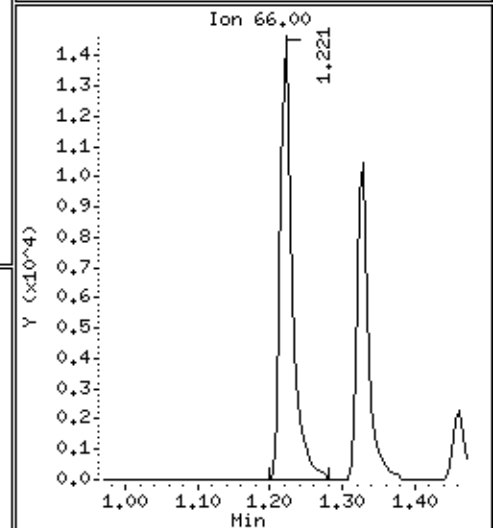
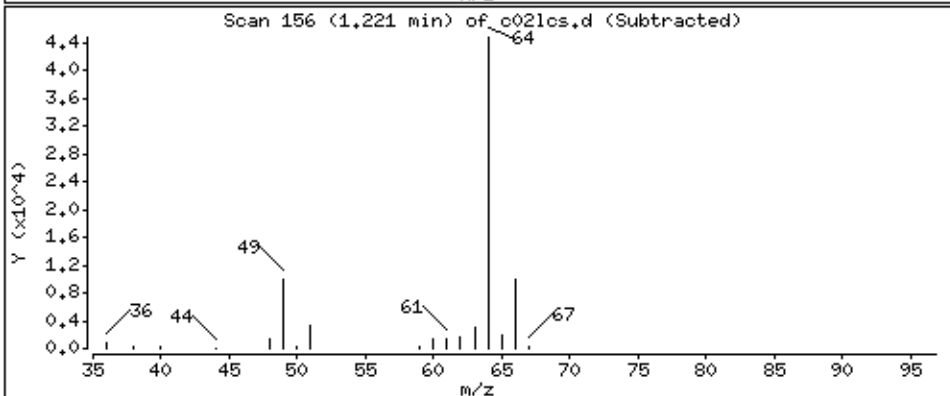
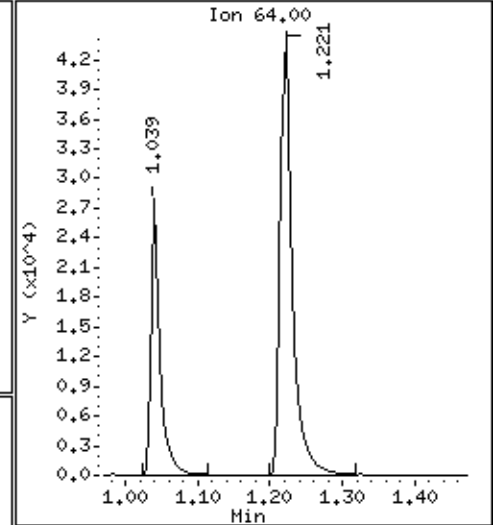
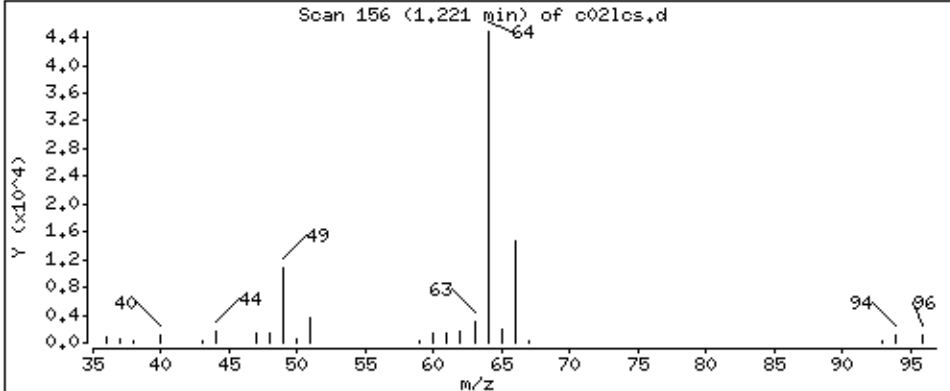
Operator: ala

Column phase: DB-624

Column diameter: 0,18

5 Chloroethane

Concentration: 45,3 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

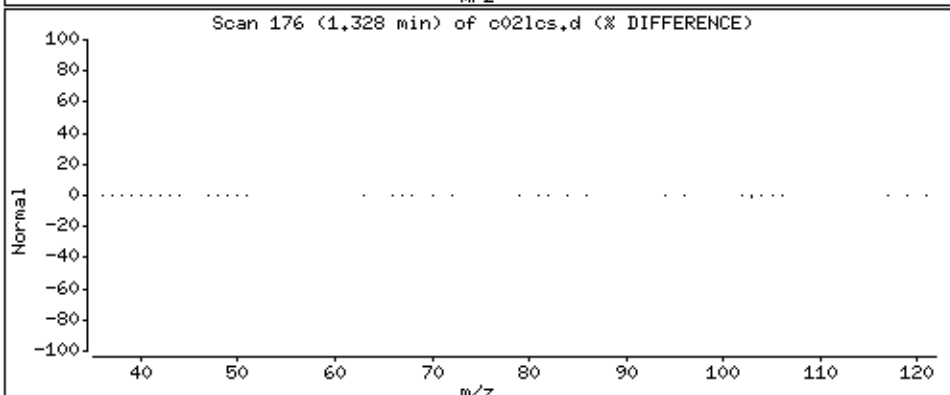
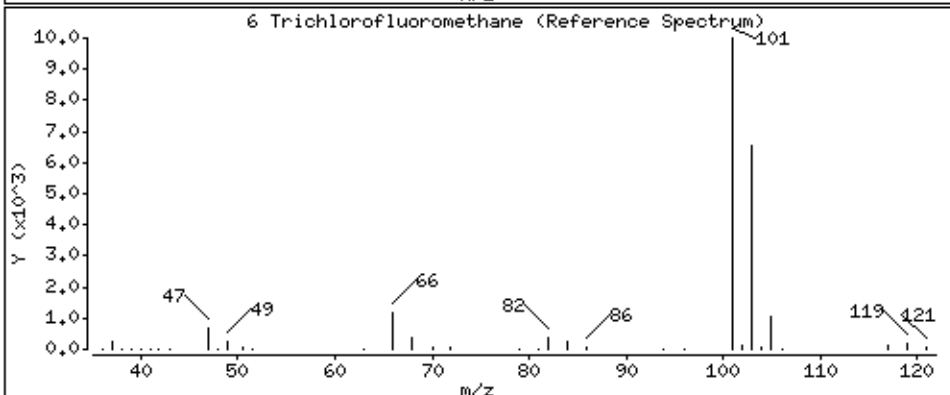
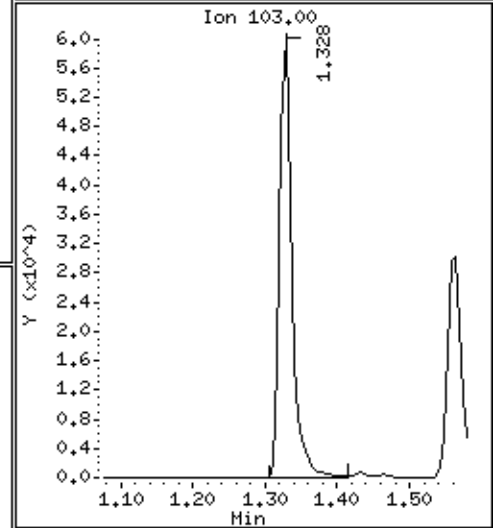
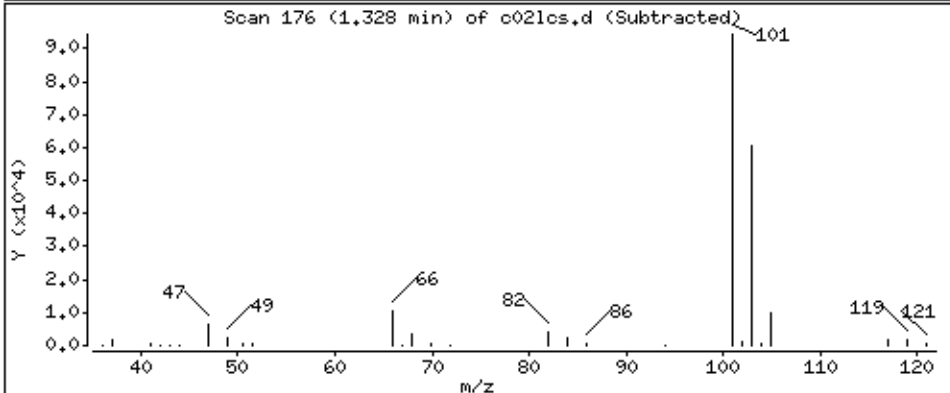
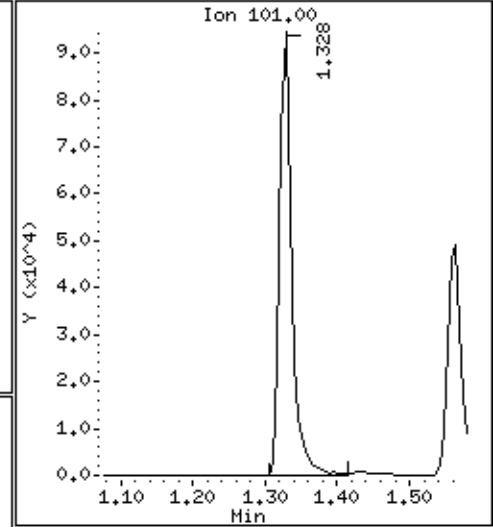
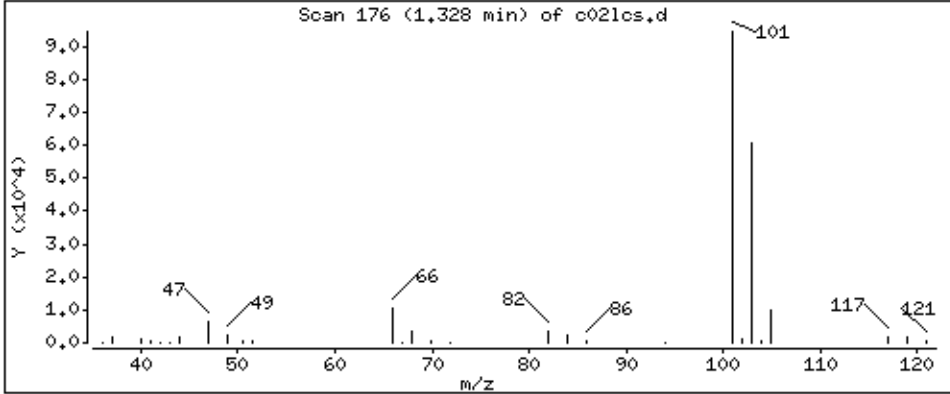
Operator: ala

Column phase: DB-624

Column diameter: 0,18

6 Trichlorofluoromethane

Concentration: 47.4 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

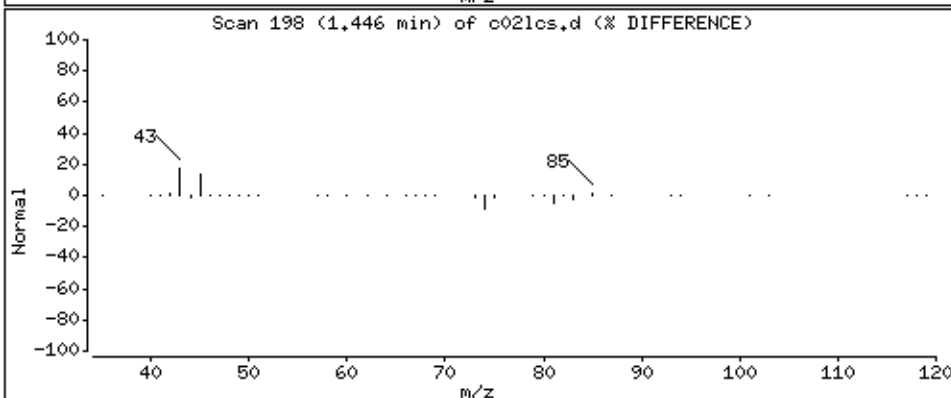
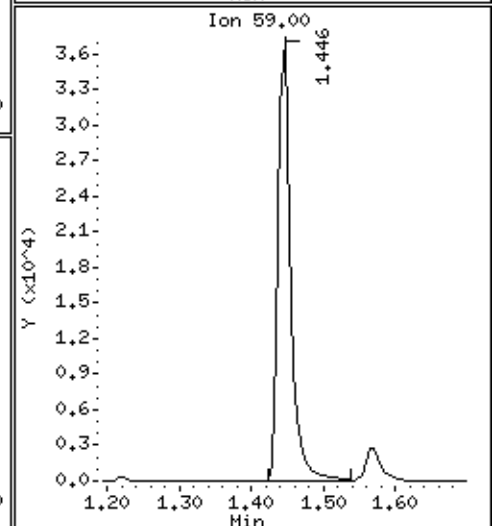
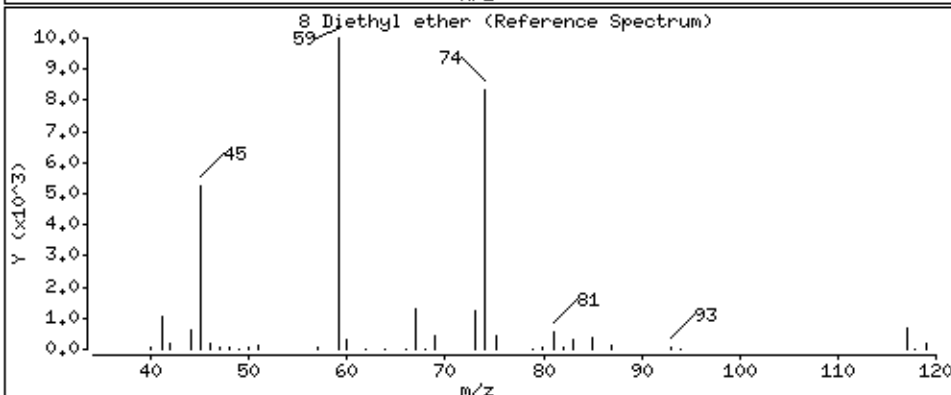
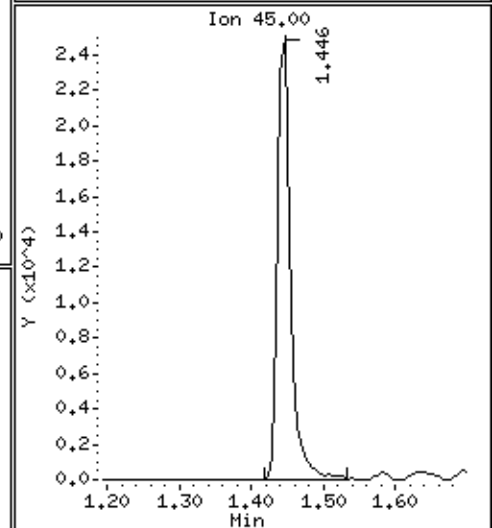
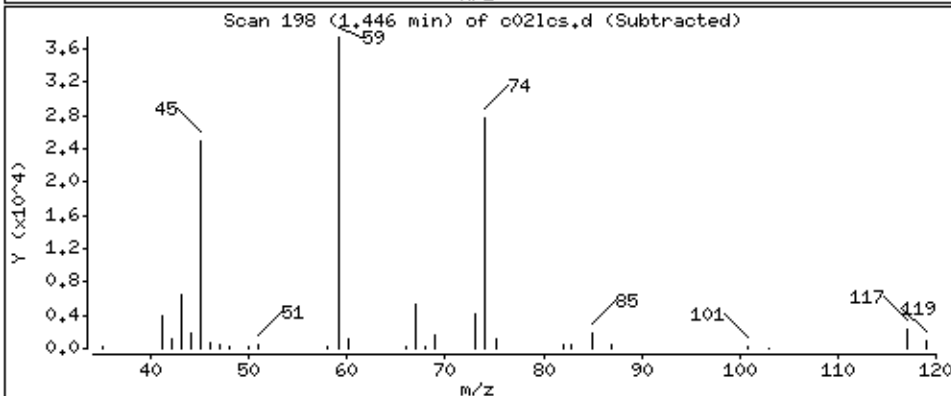
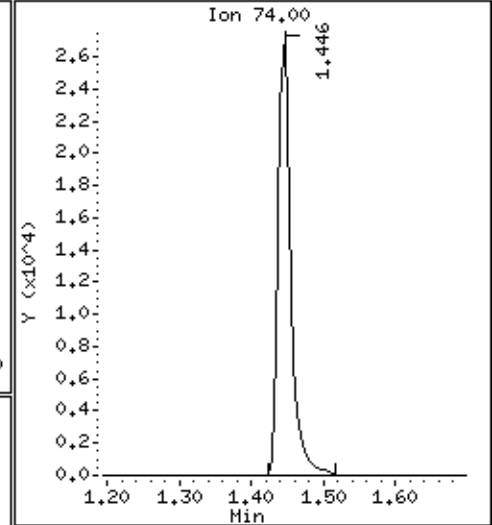
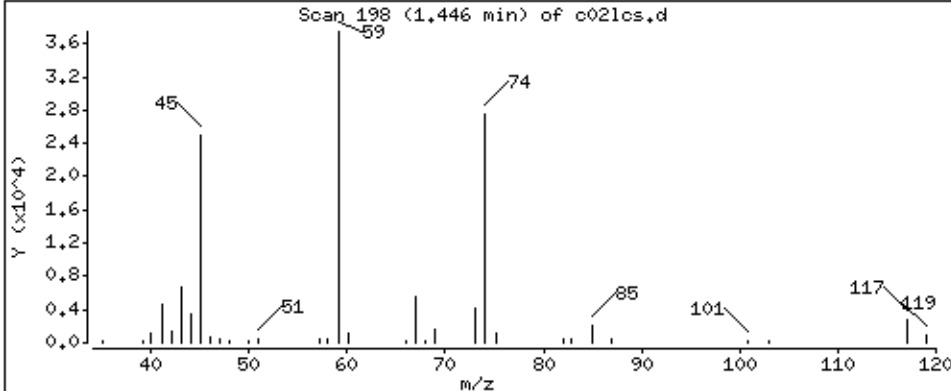
Operator: ala

Column phase: DB-624

Column diameter: 0,18

8 Diethyl ether

Concentration: 45,9 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

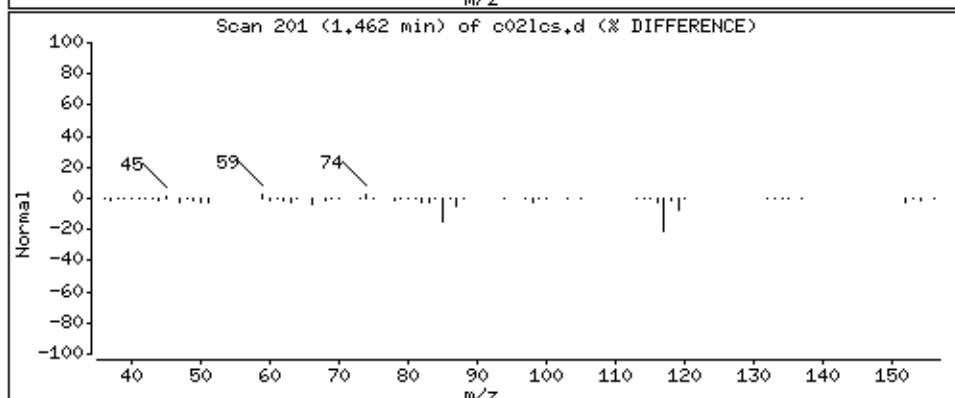
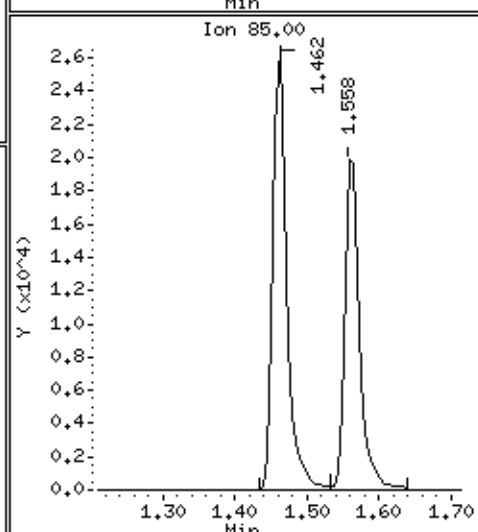
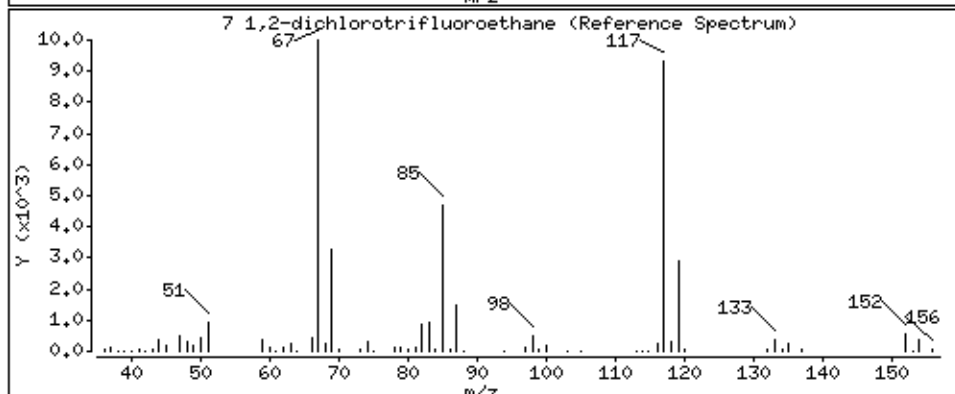
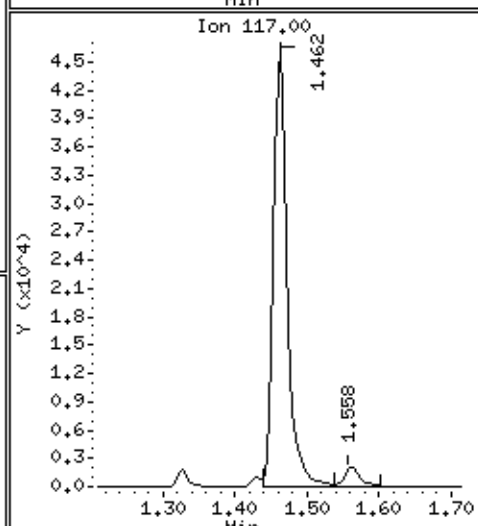
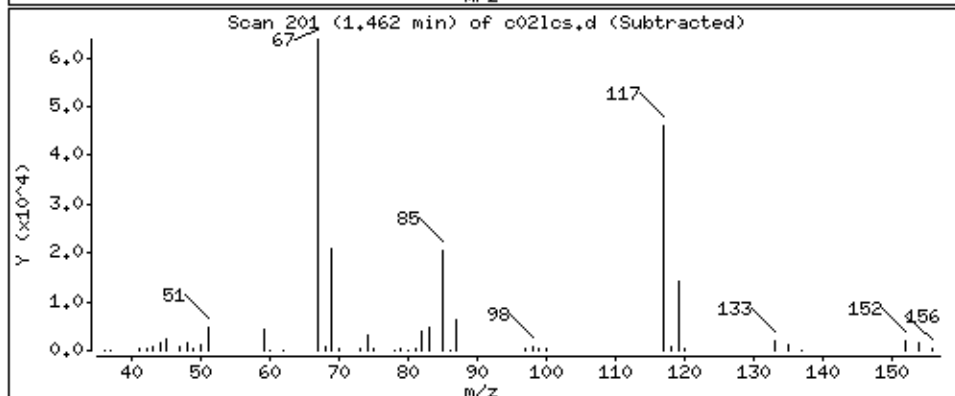
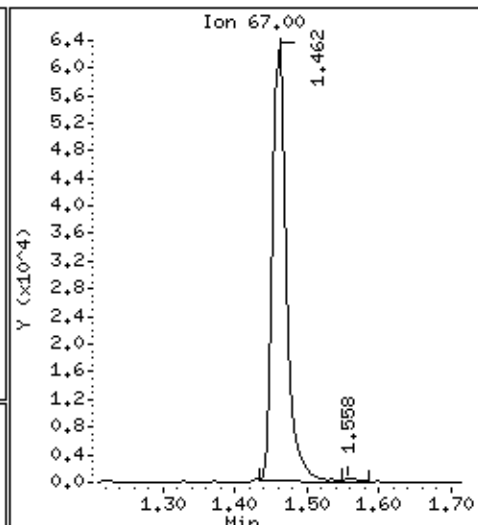
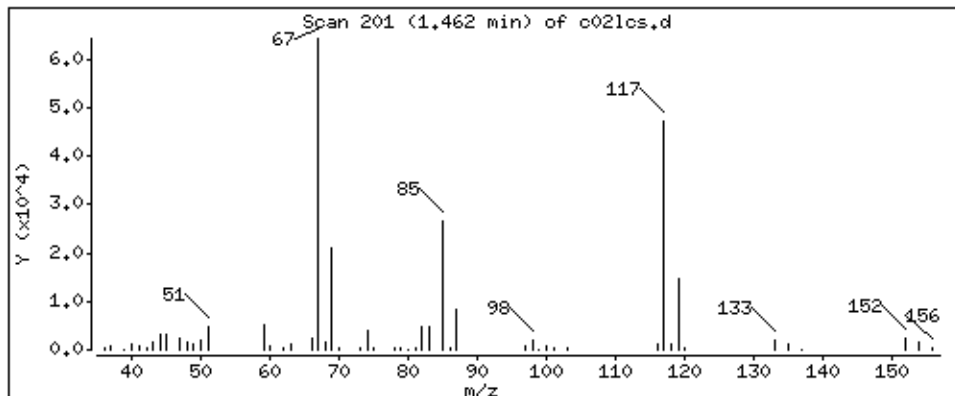
Operator: ala

Column phase: DB-624

Column diameter: 0,18

7 1,2-dichlorotrifluoroethane

Concentration: 44,8 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

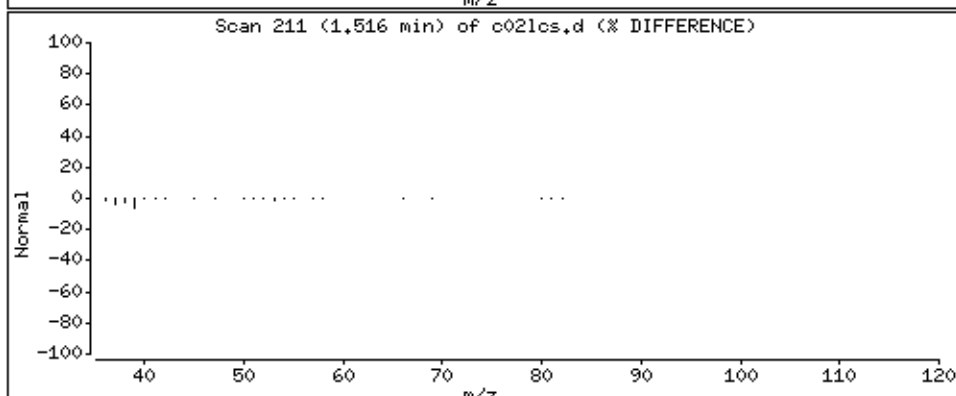
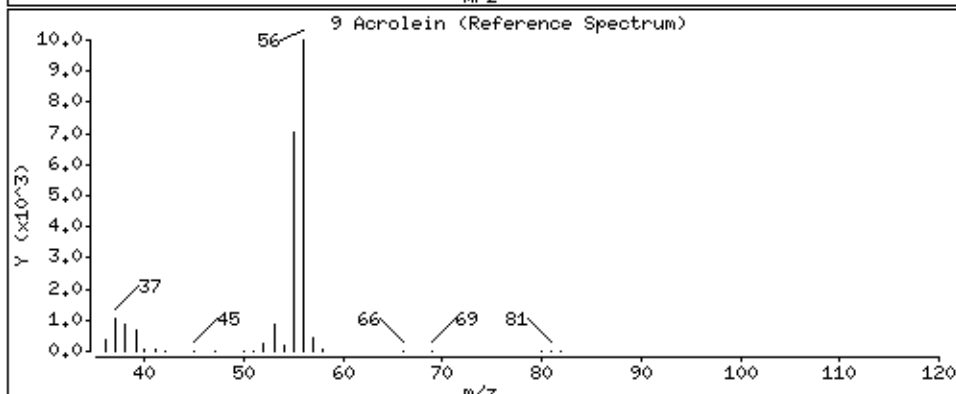
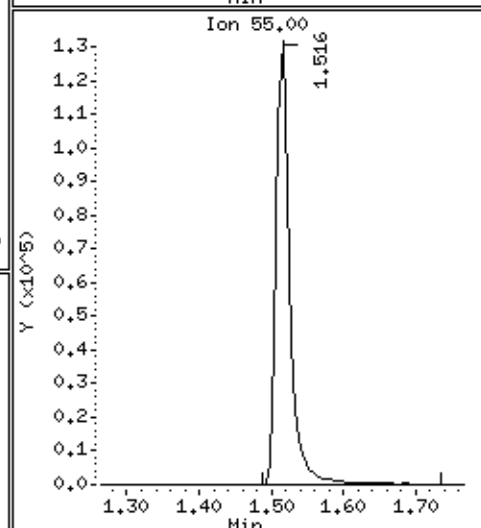
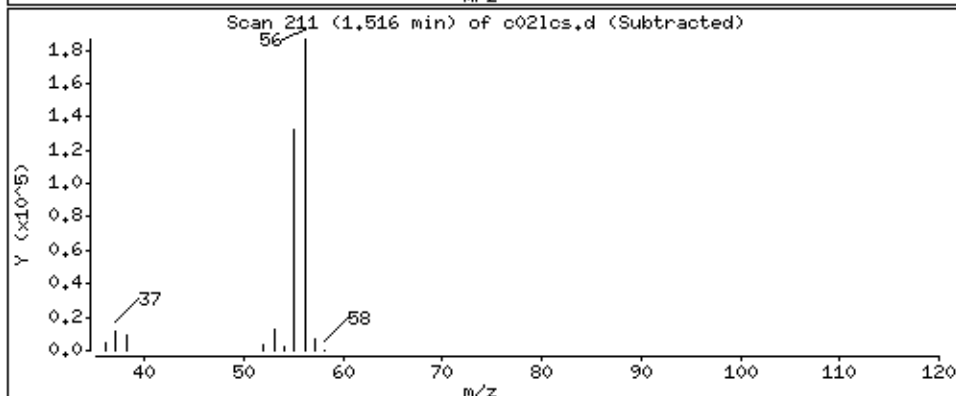
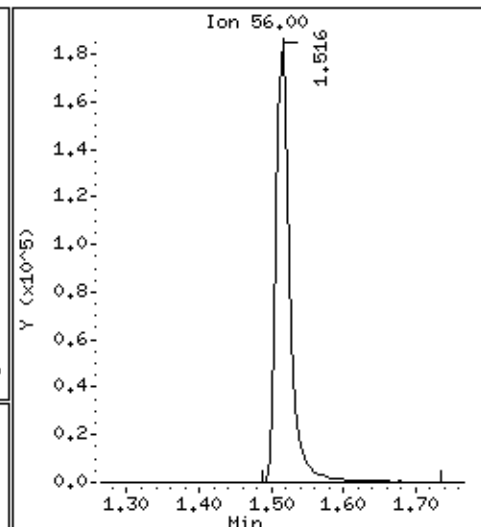
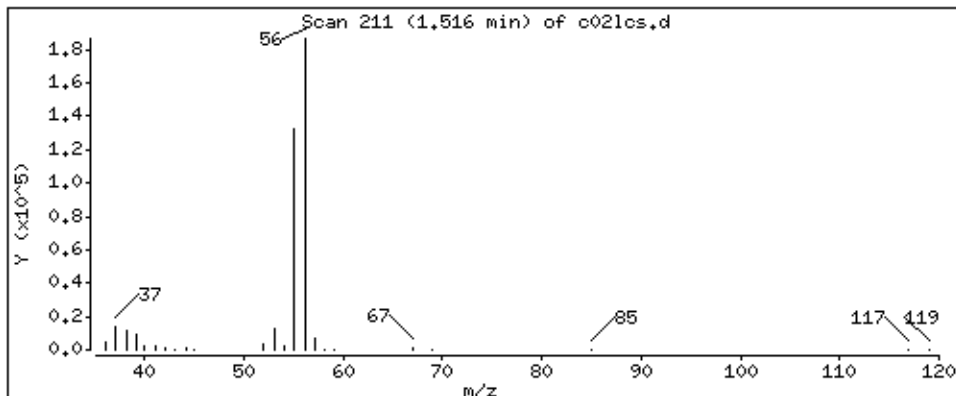
Operator: ala

Column phase: DB-624

Column diameter: 0,18

9 Acrolein

Concentration: 1110 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

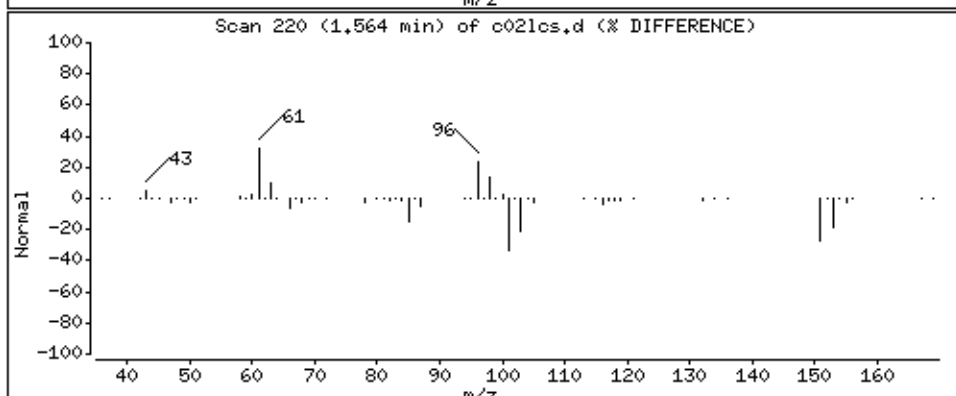
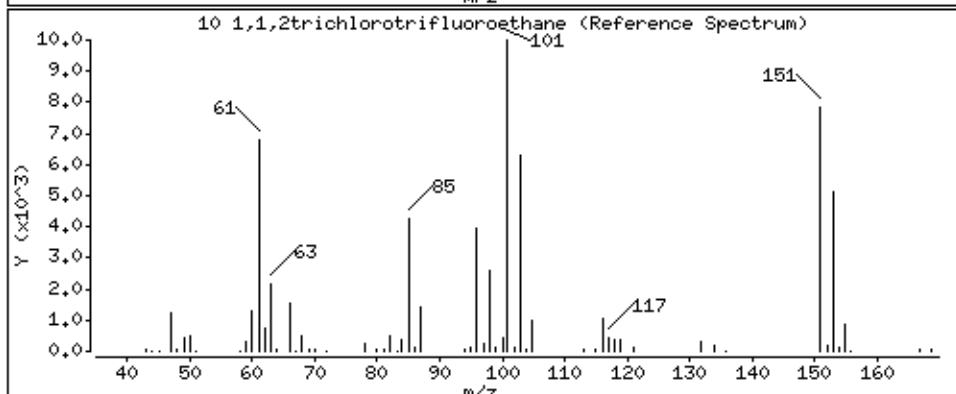
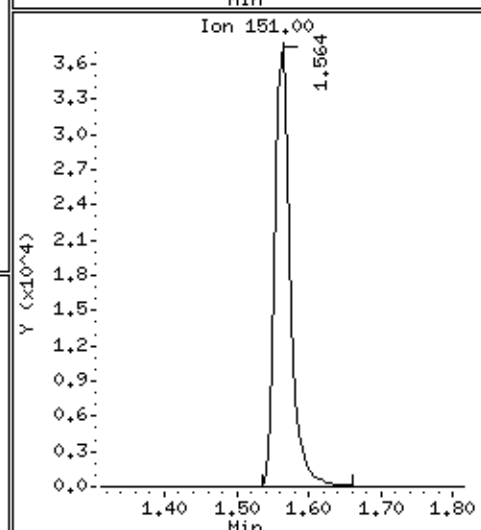
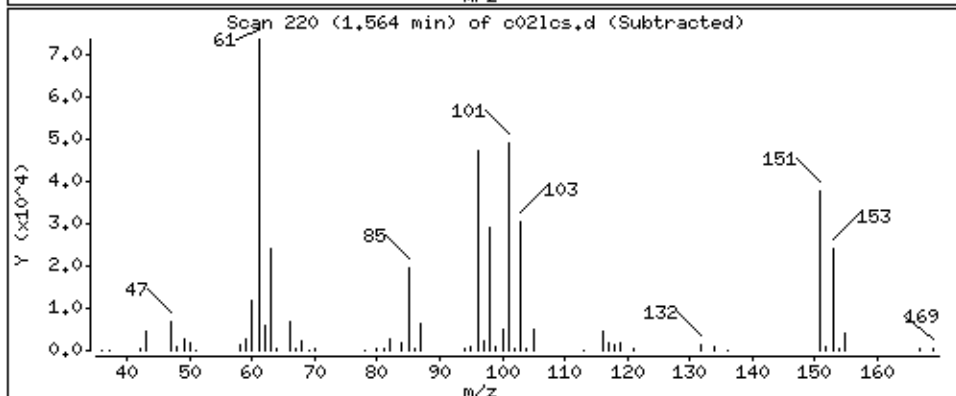
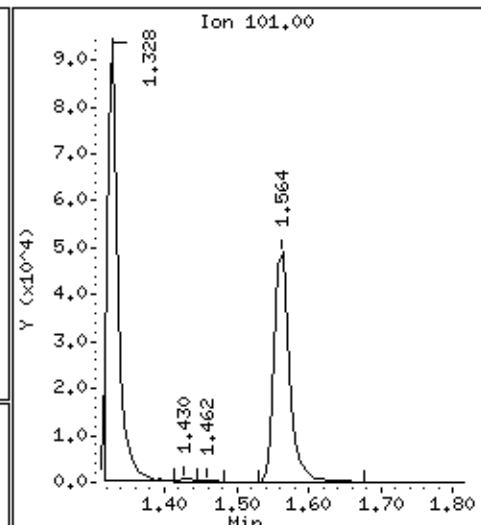
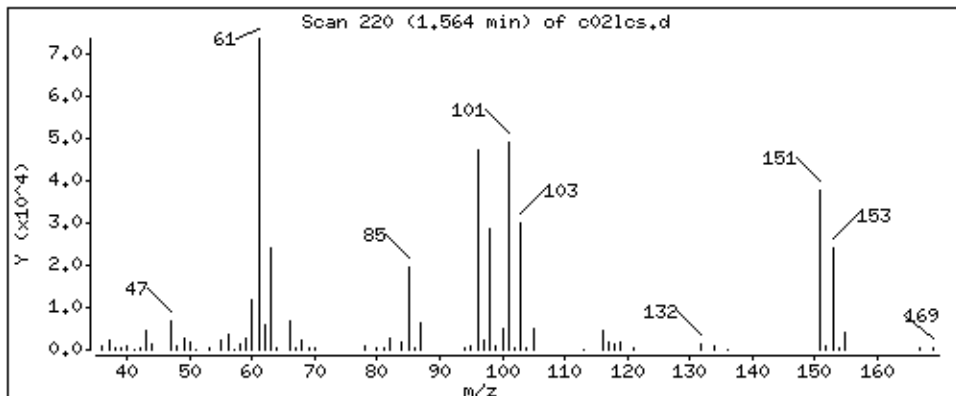
Operator: ala

Column phase: DB-624

Column diameter: 0,18

10 1,1,2trichlorotrifluoroethane

Concentration: 50,7 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

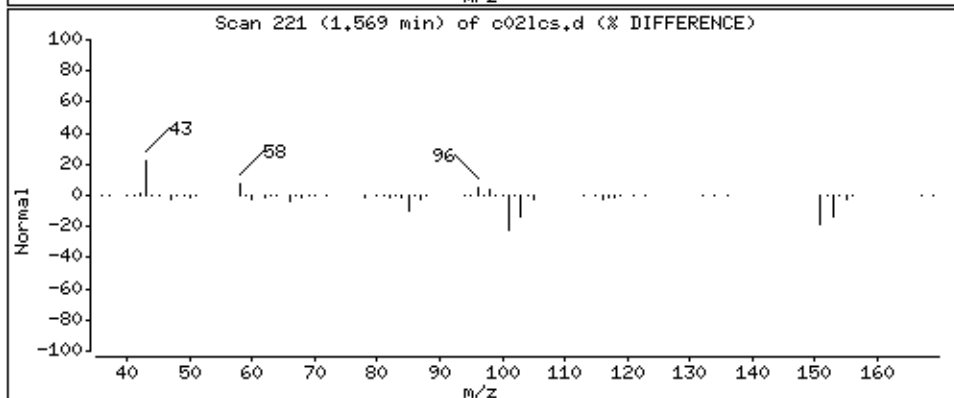
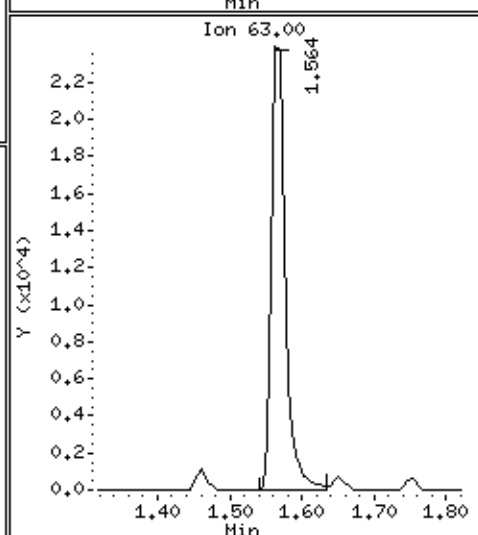
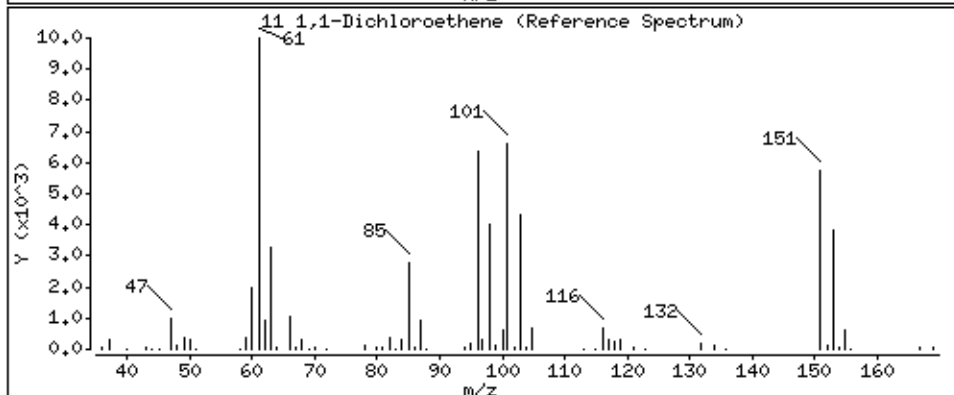
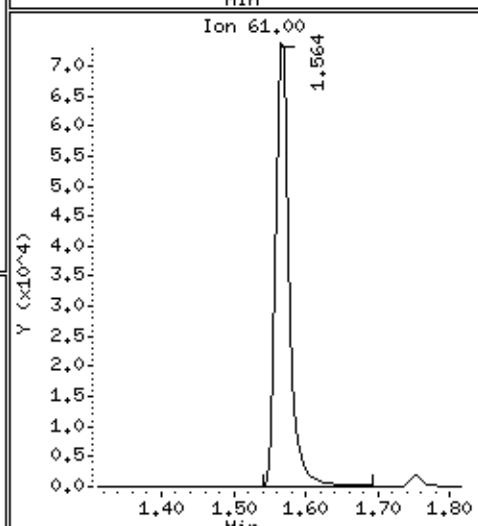
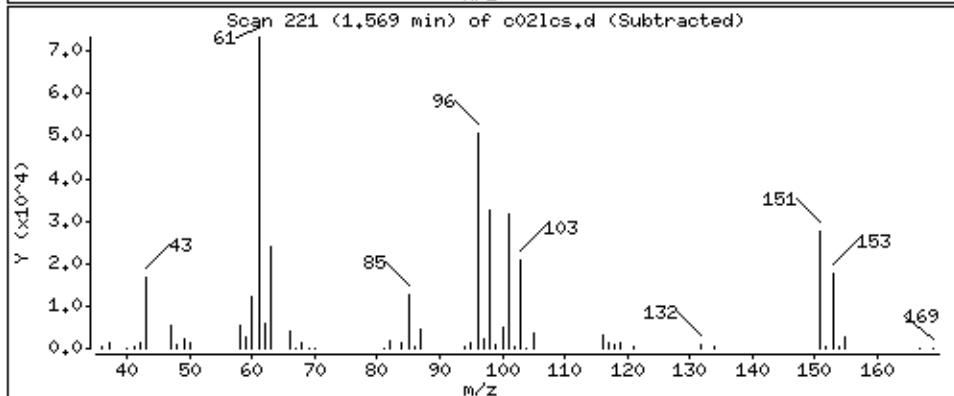
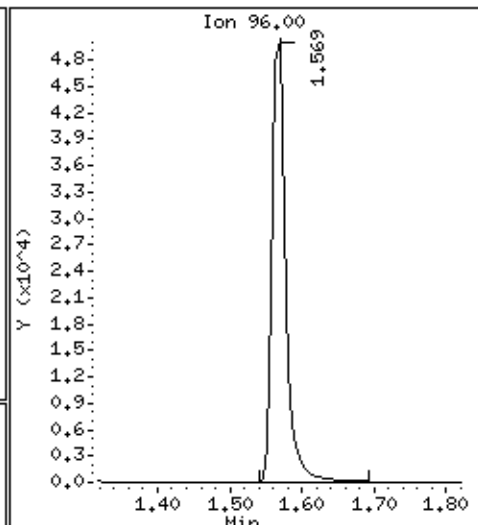
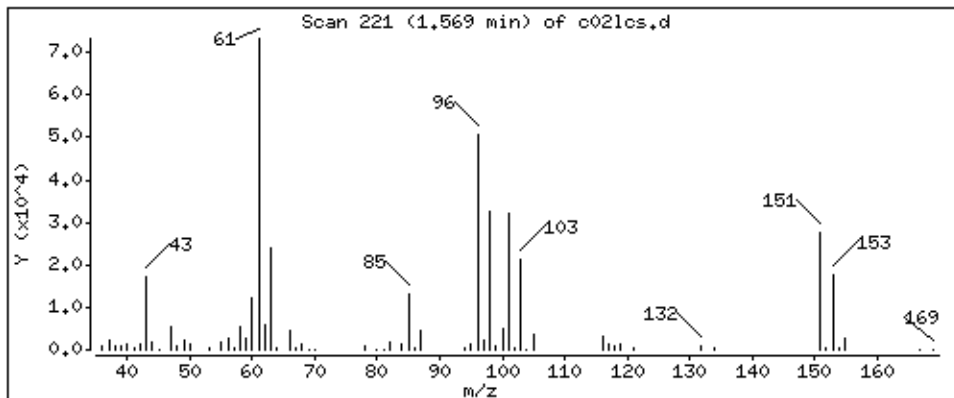
Operator: ala

Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 47.6 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

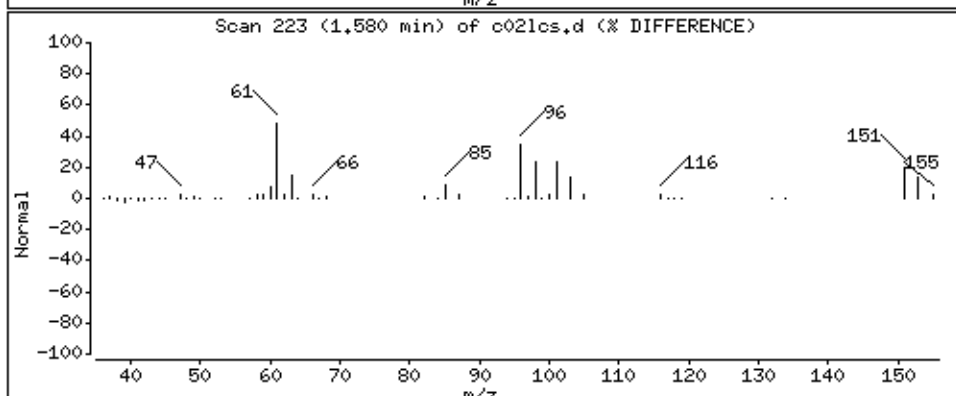
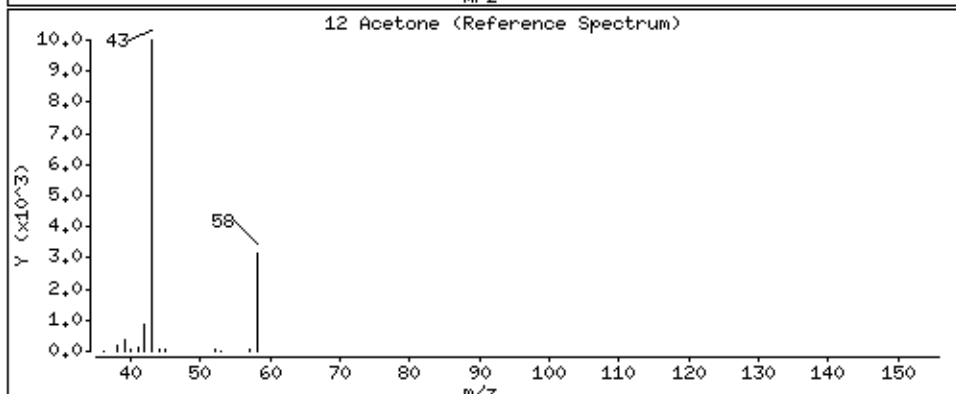
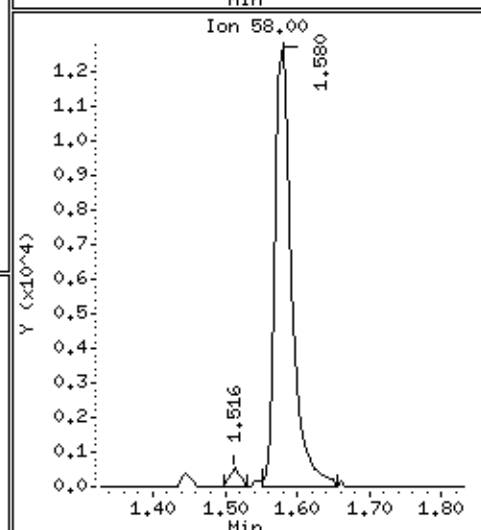
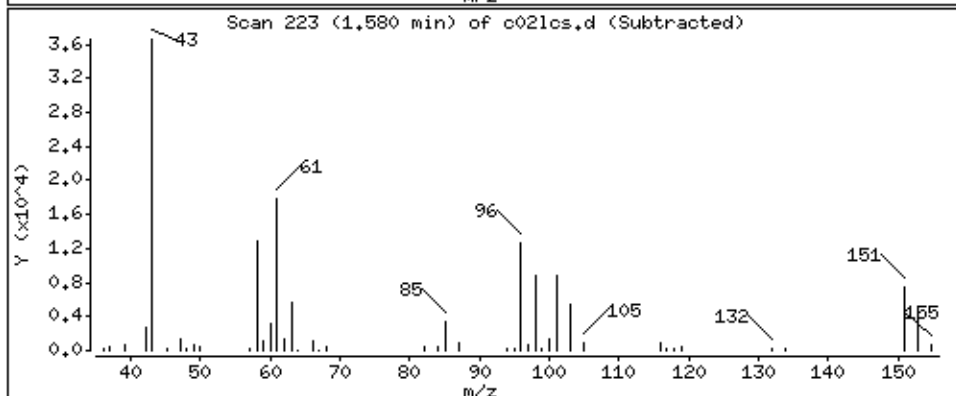
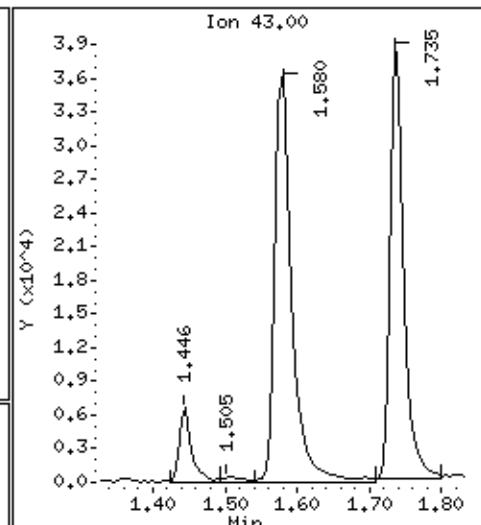
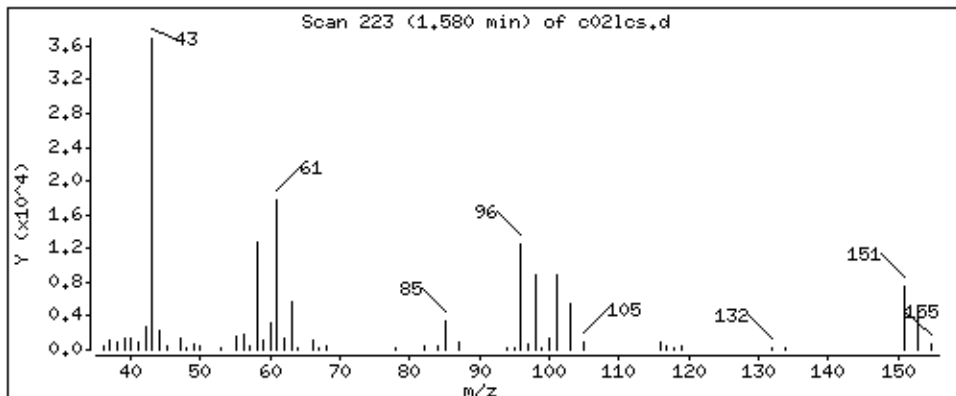
Operator: ala

Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 176 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

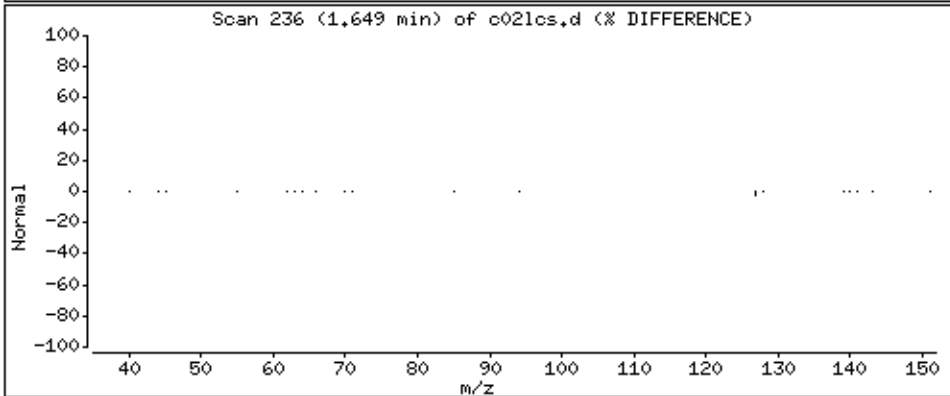
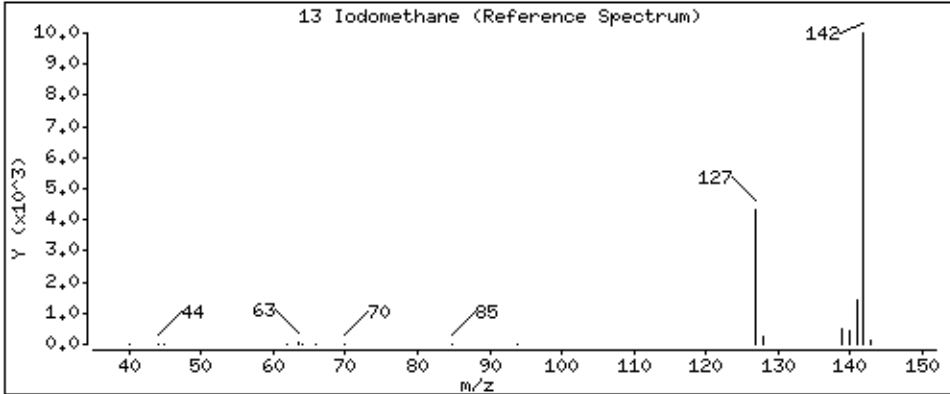
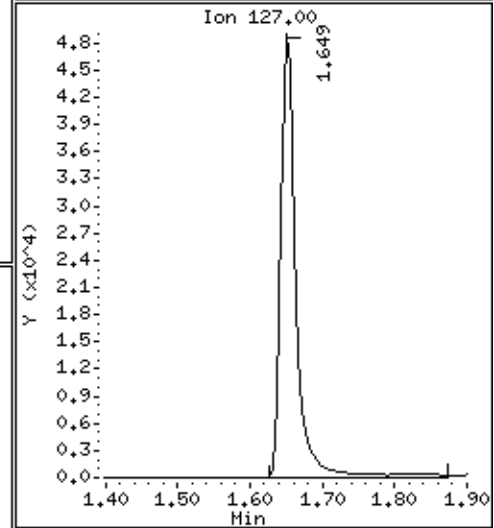
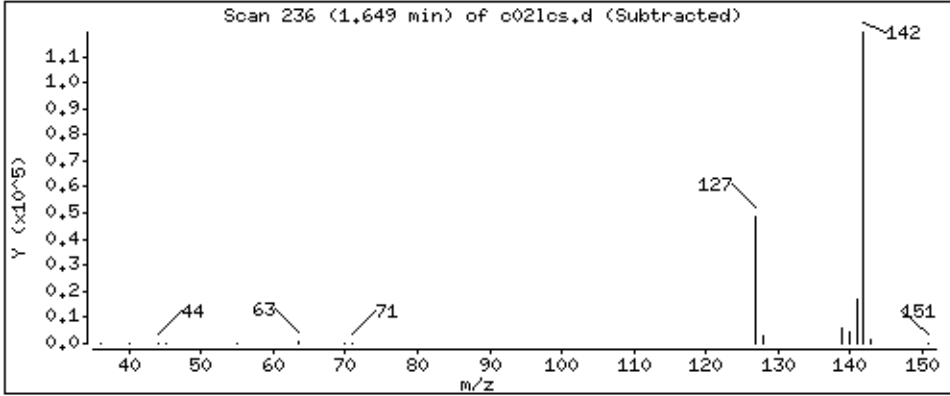
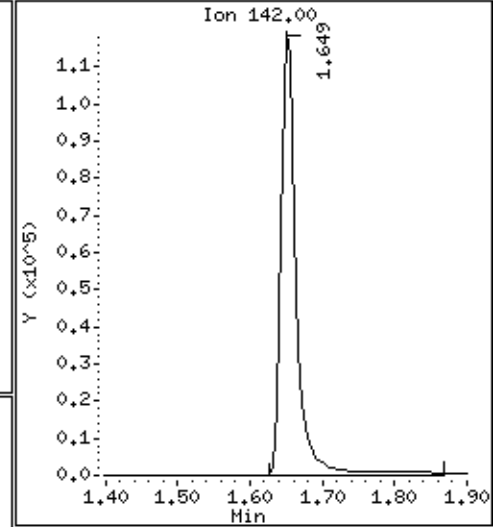
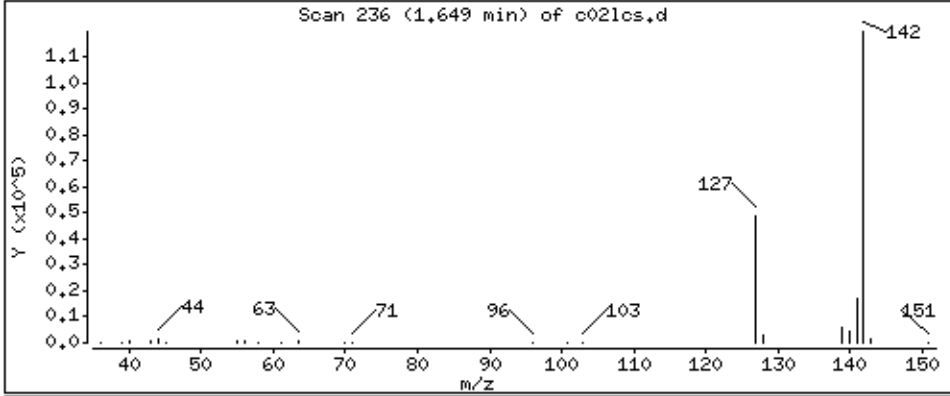
Operator: ala

Column phase: DB-624

Column diameter: 0,18

13 Iodomethane

Concentration: 108 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

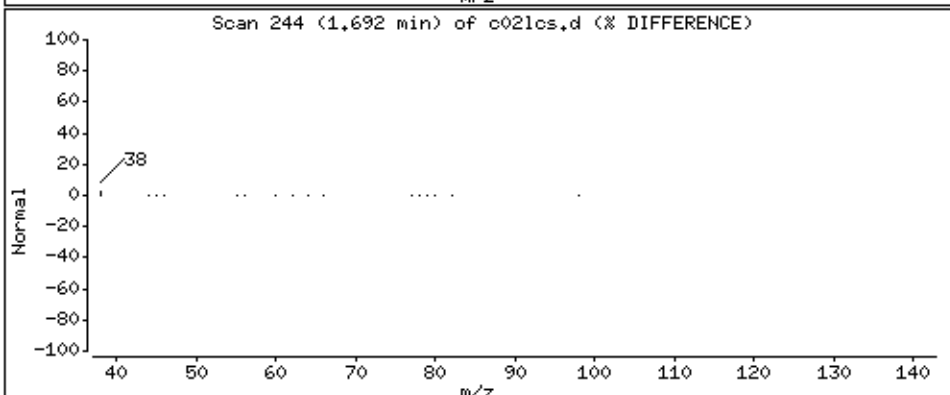
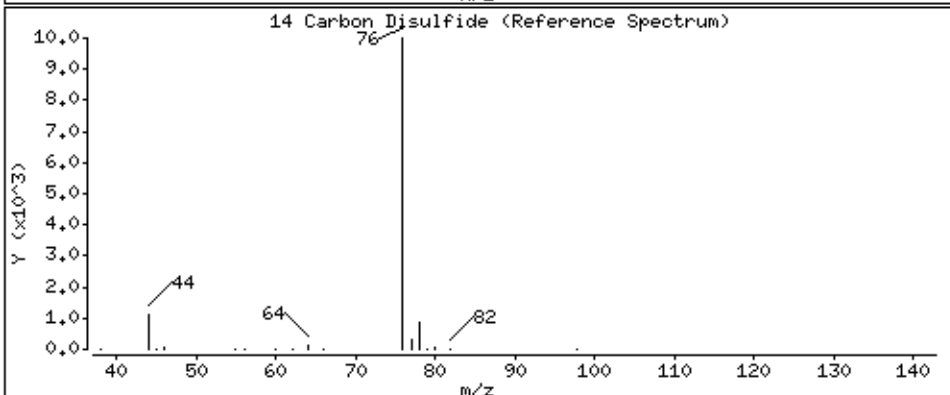
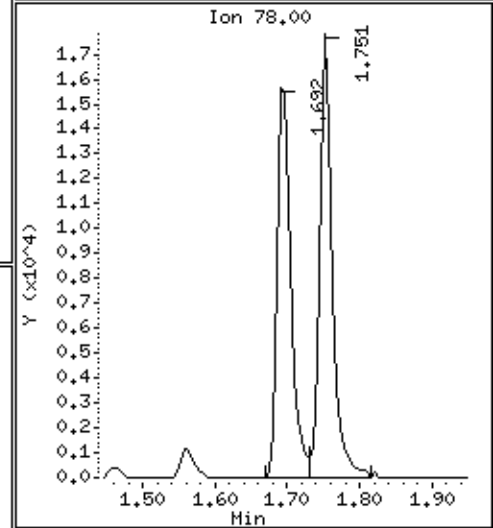
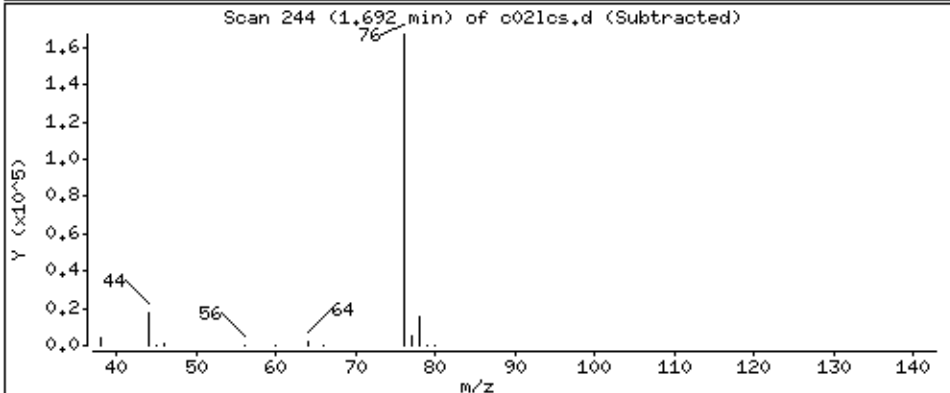
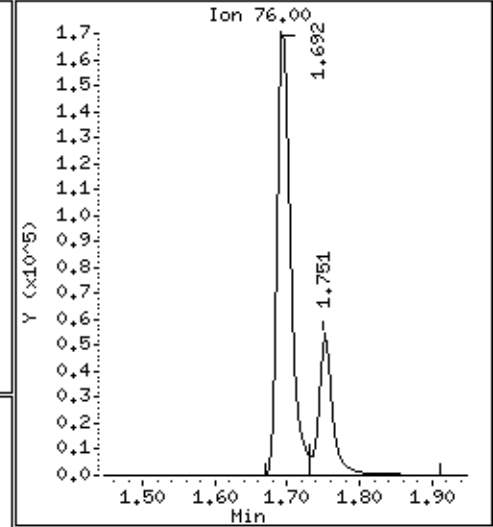
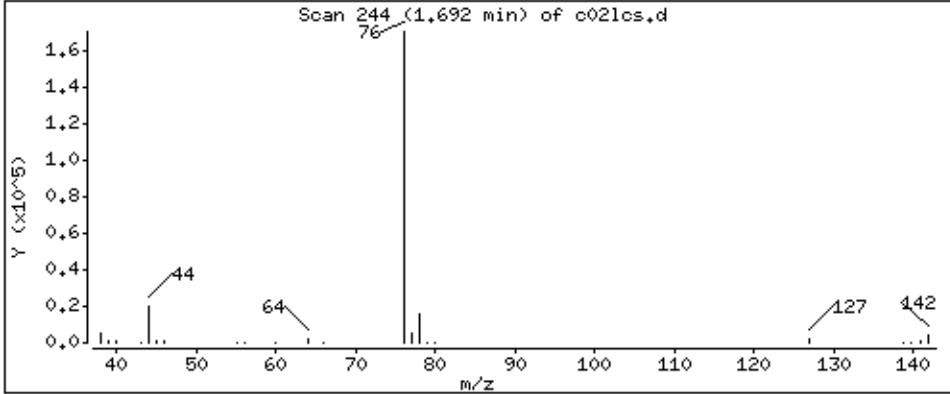
Operator: ala

Column phase: DB-624

Column diameter: 0,18

14 Carbon Disulfide

Concentration: 43,8 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

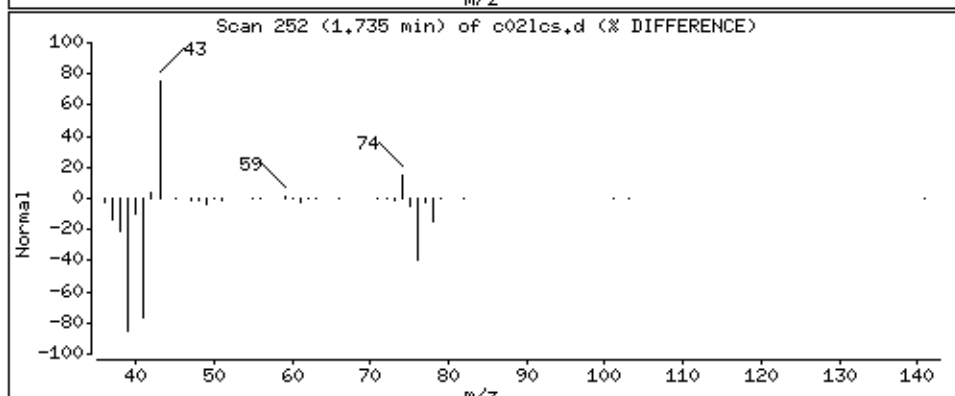
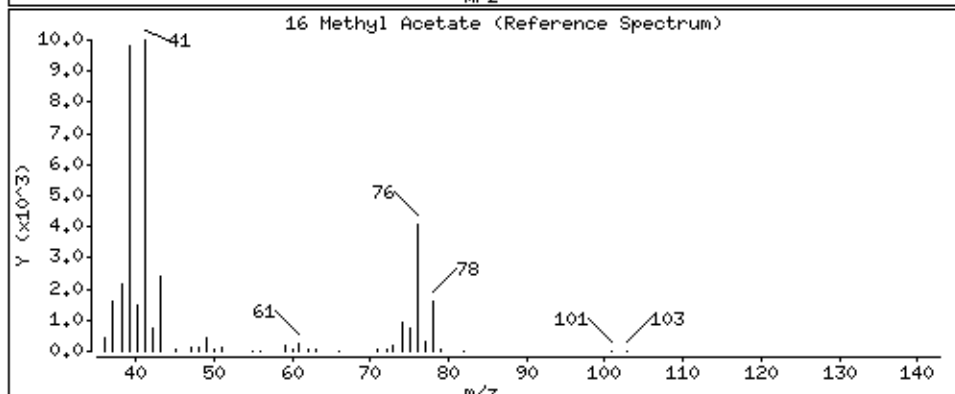
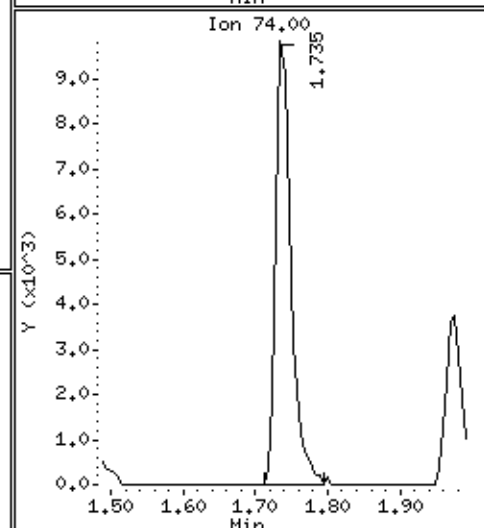
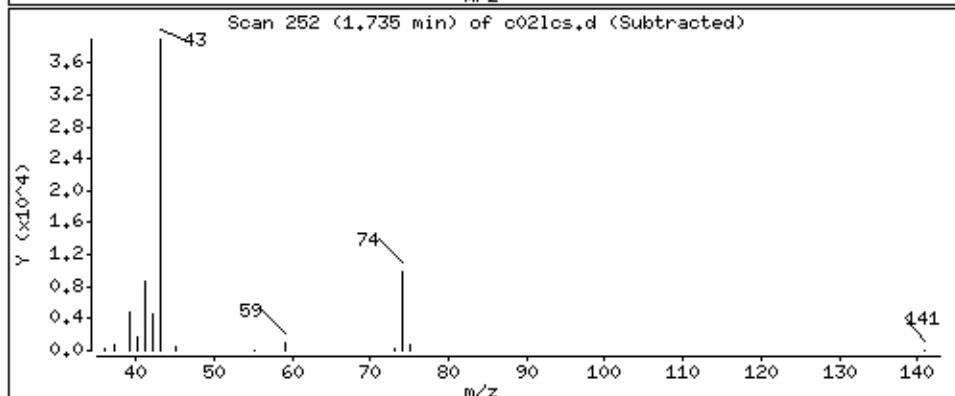
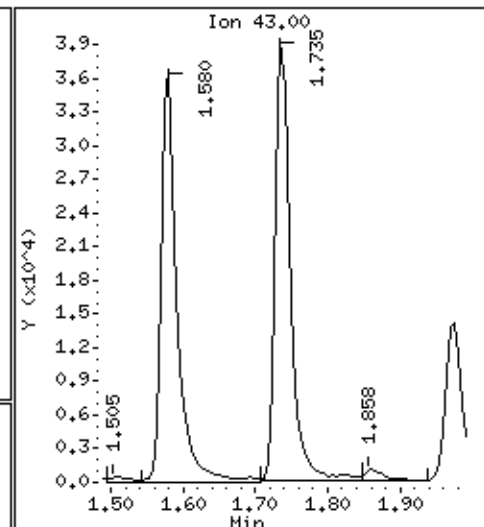
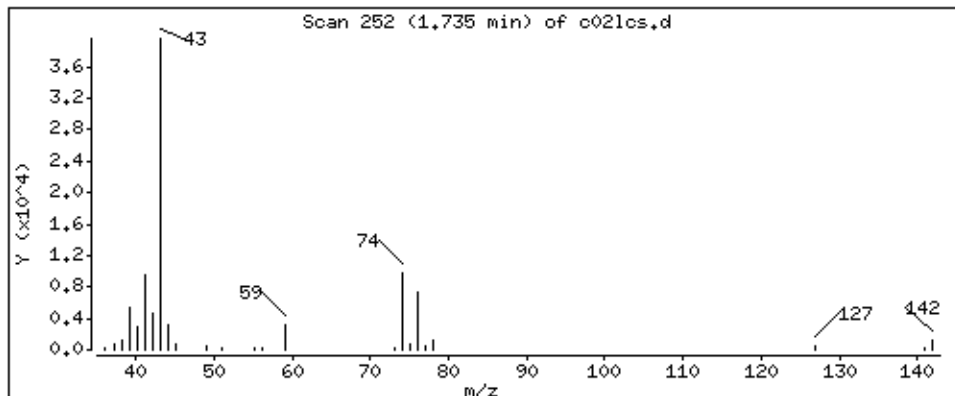
Operator: ala

Column phase: DB-624

Column diameter: 0,18

16 Methyl Acetate

Concentration: 66,3 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730;5

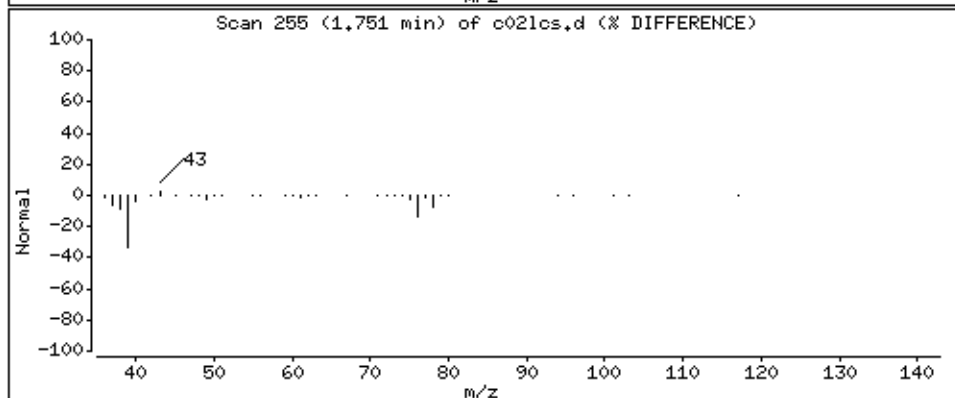
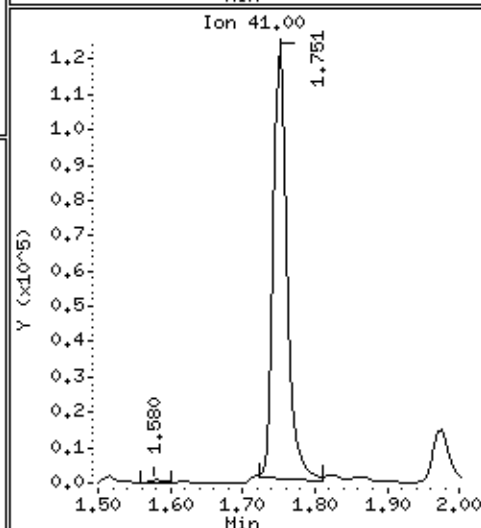
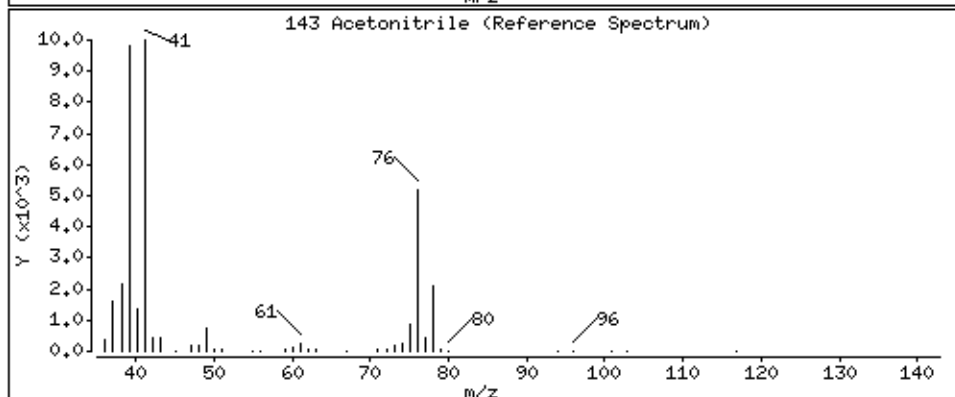
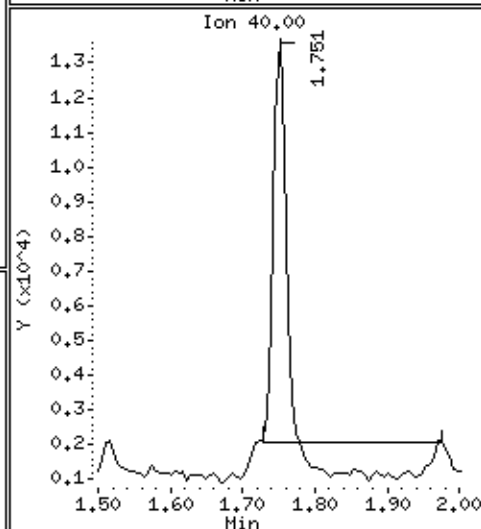
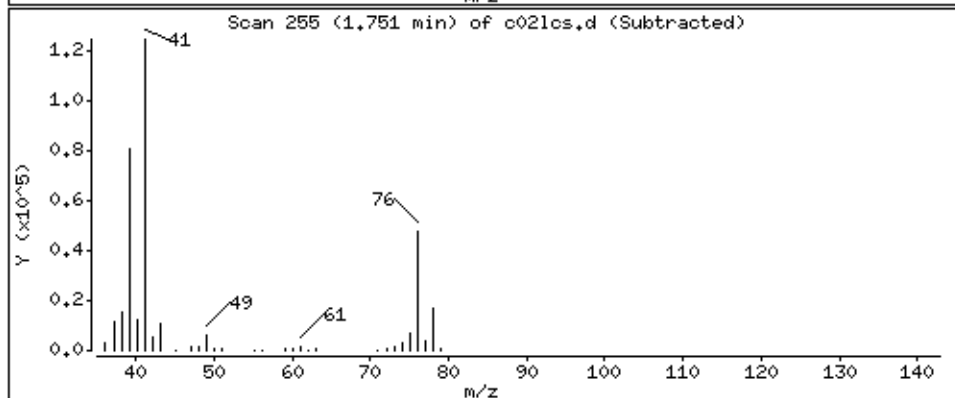
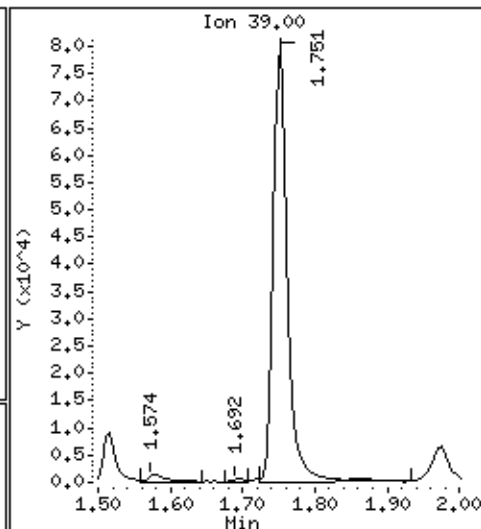
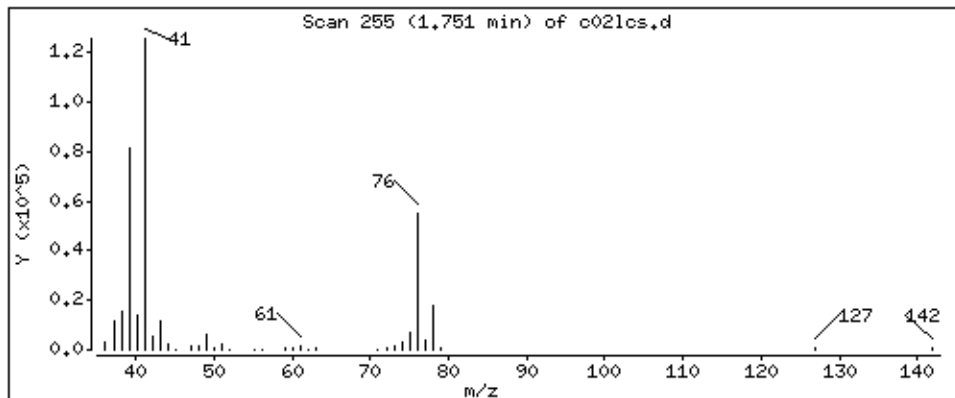
Operator: ala

Column phase: DB-624

Column diameter: 0,18

143 Acetonitrile

Concentration: 38,1 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730;5

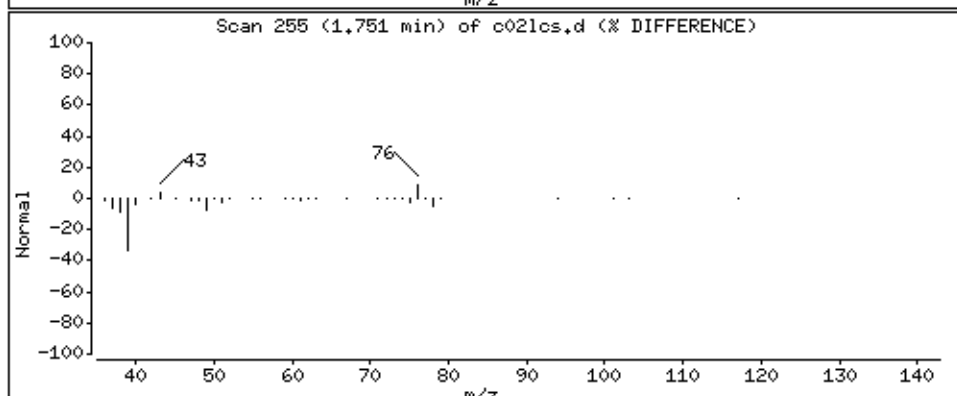
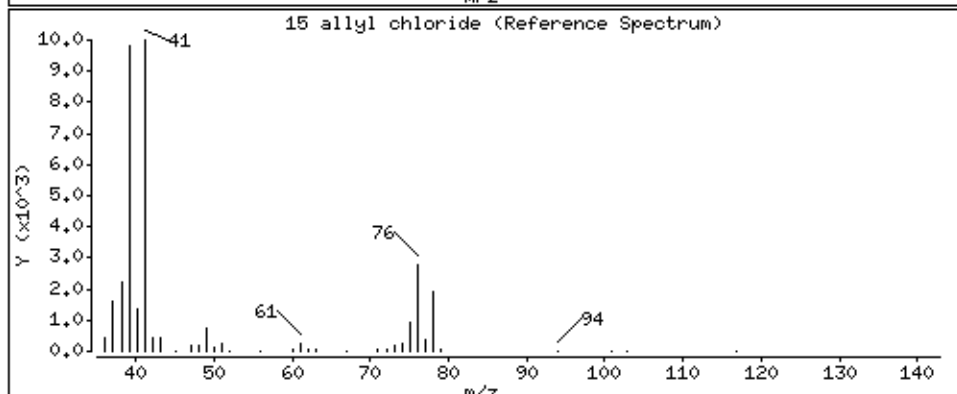
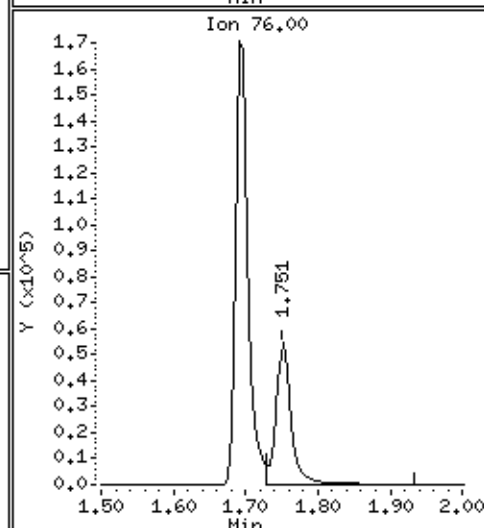
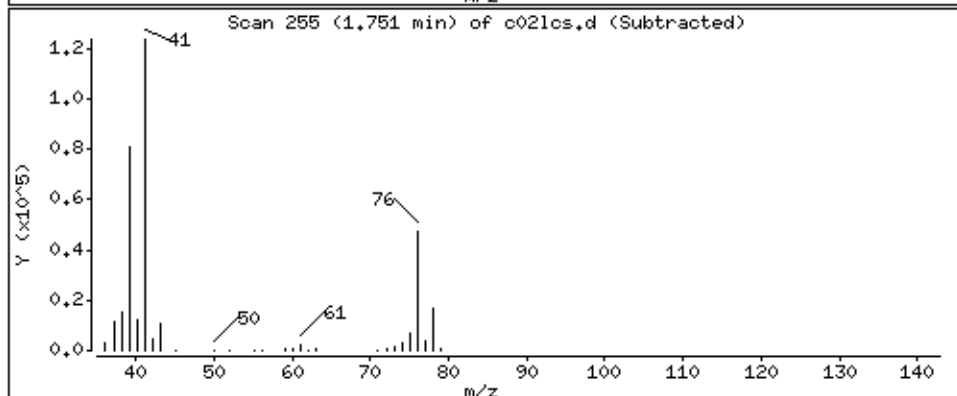
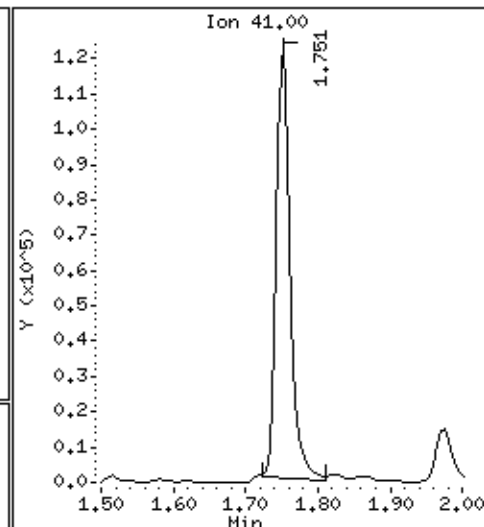
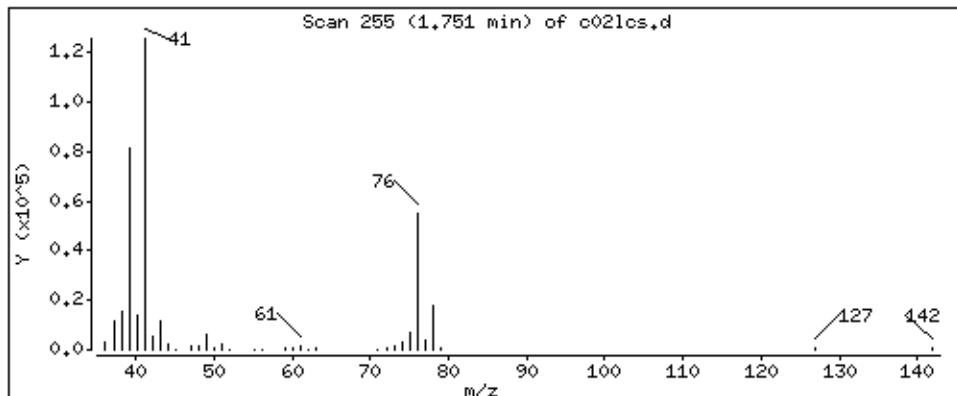
Operator: ala

Column phase: DB-624

Column diameter: 0,18

15 allyl chloride

Concentration: 77.2 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730;5

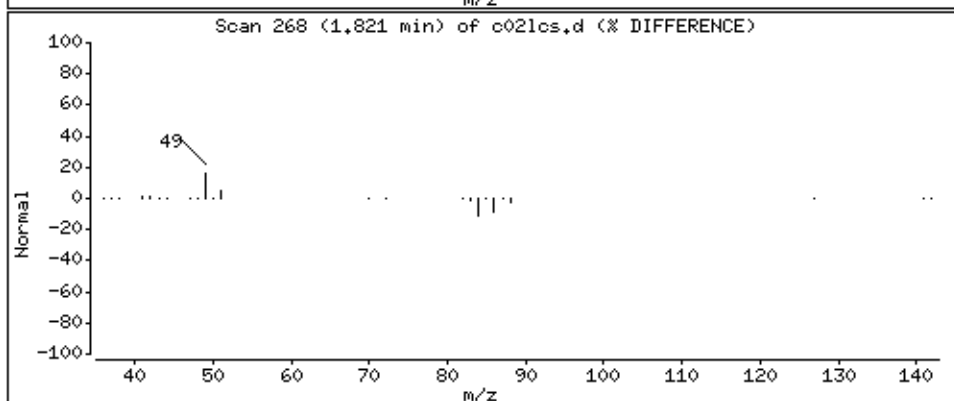
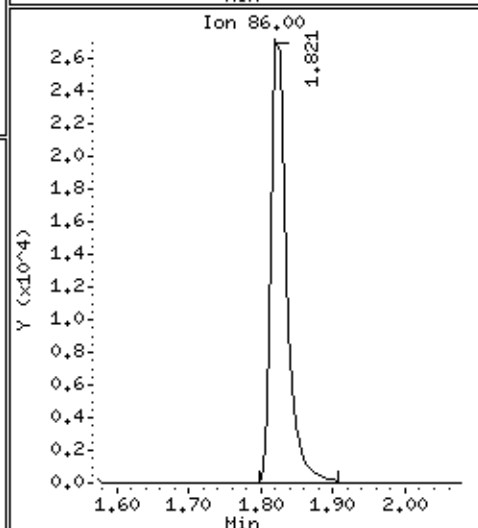
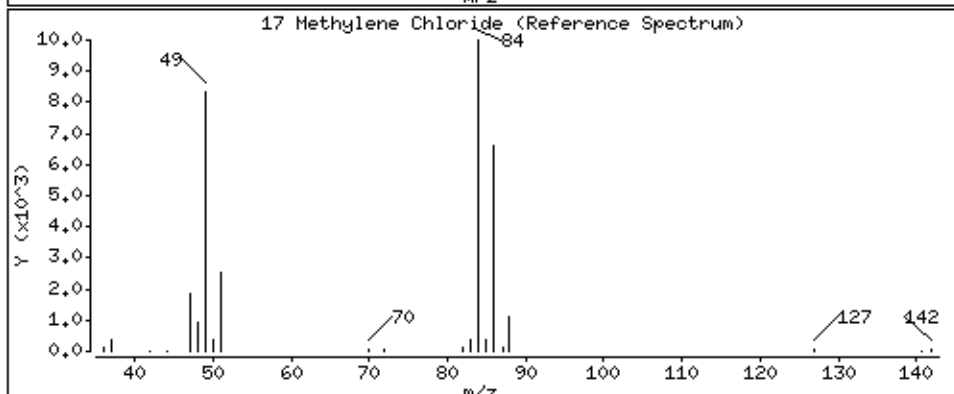
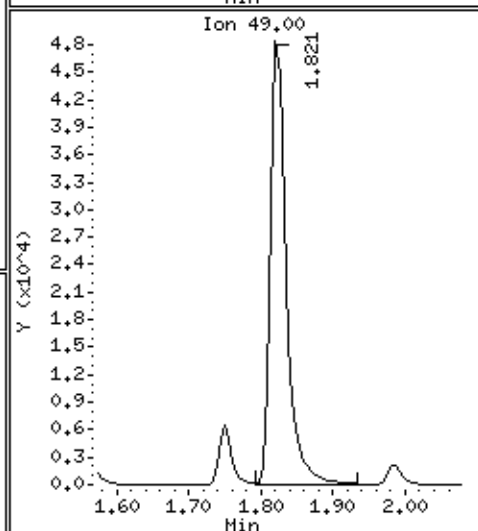
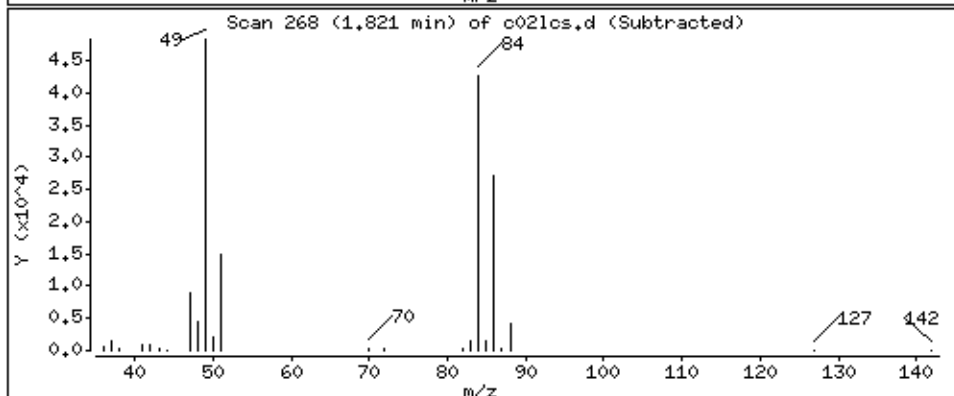
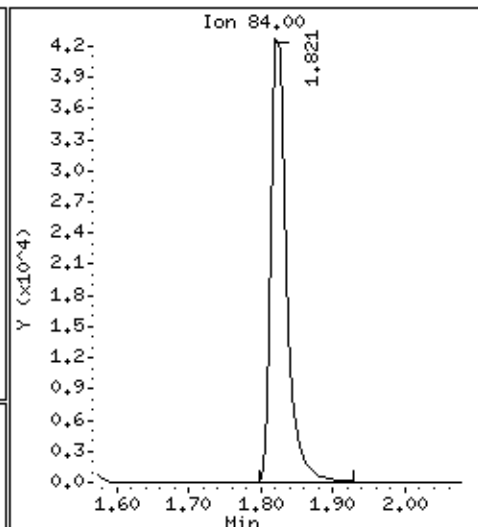
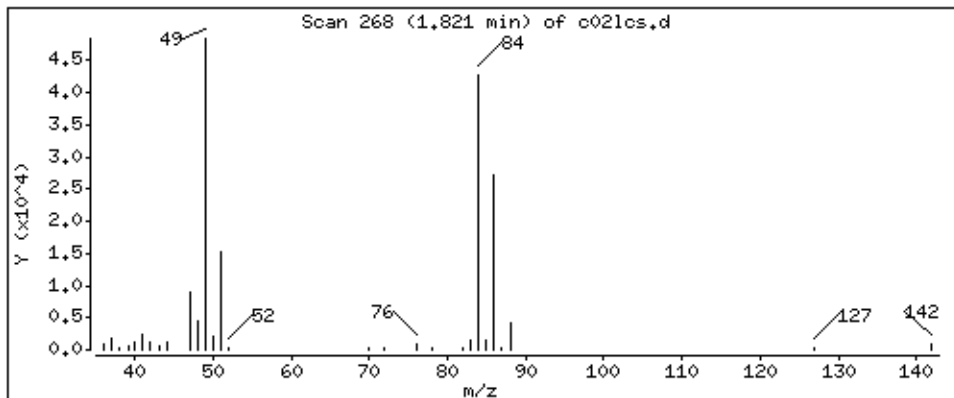
Operator: ala

Column phase: DB-624

Column diameter: 0,18

17 Methylene Chloride

Concentration: 45,3 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

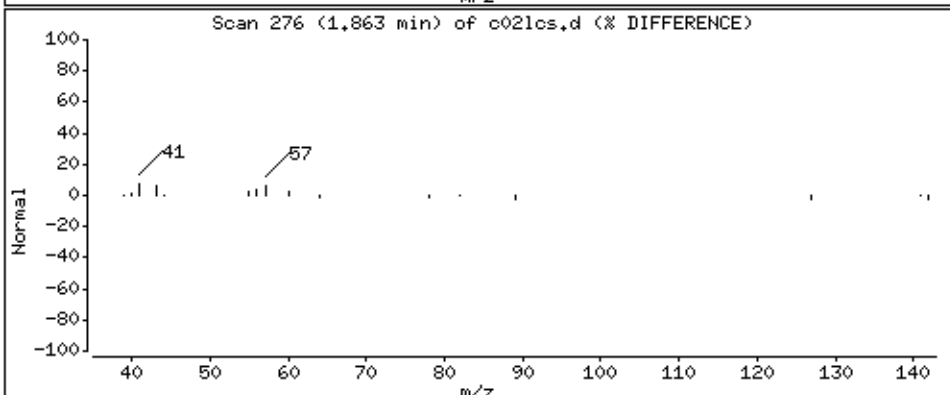
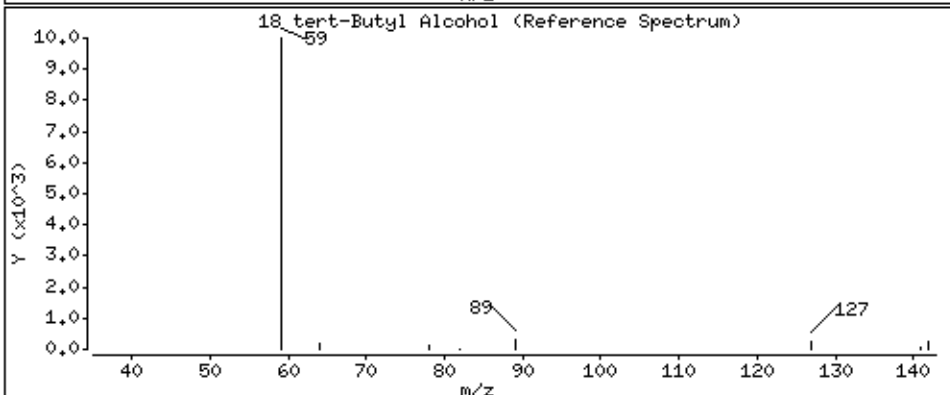
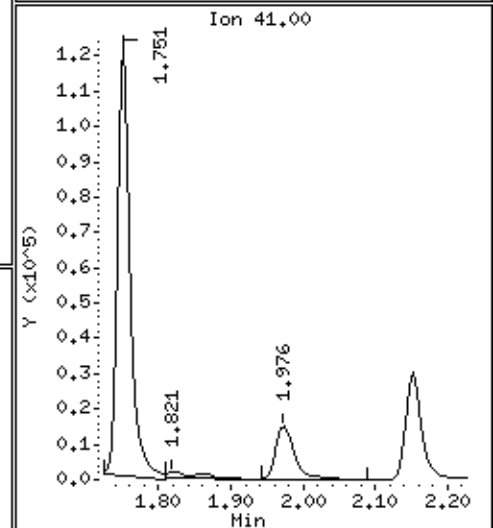
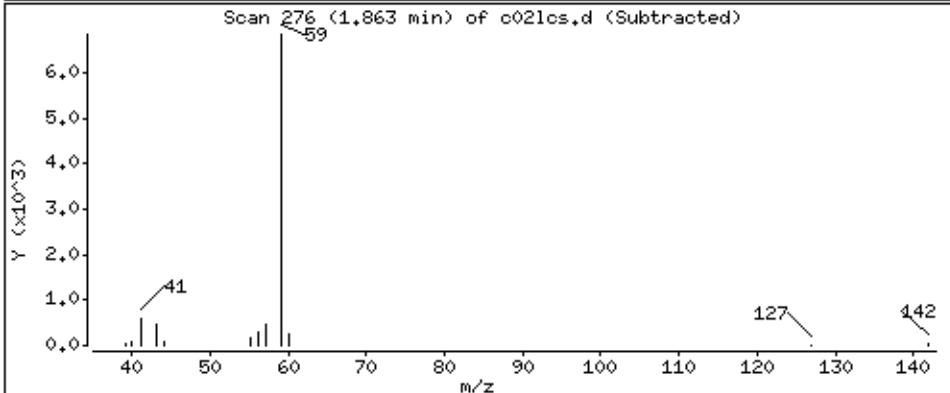
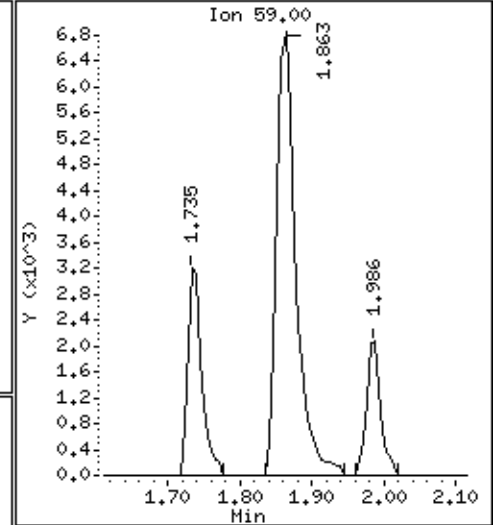
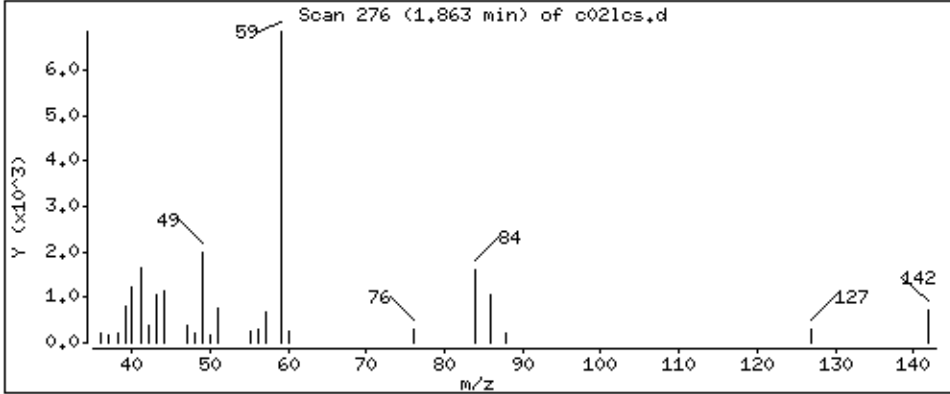
Operator: ala

Column phase: DB-624

Column diameter: 0,18

18 tert-Butyl Alcohol

Concentration: 79,4 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

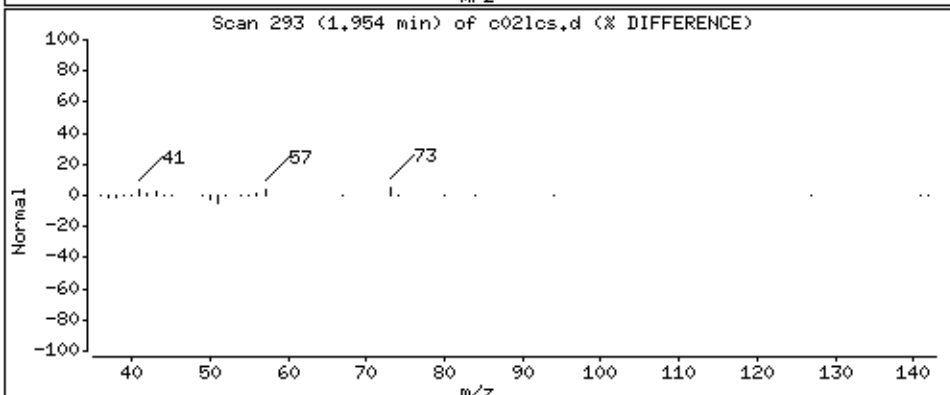
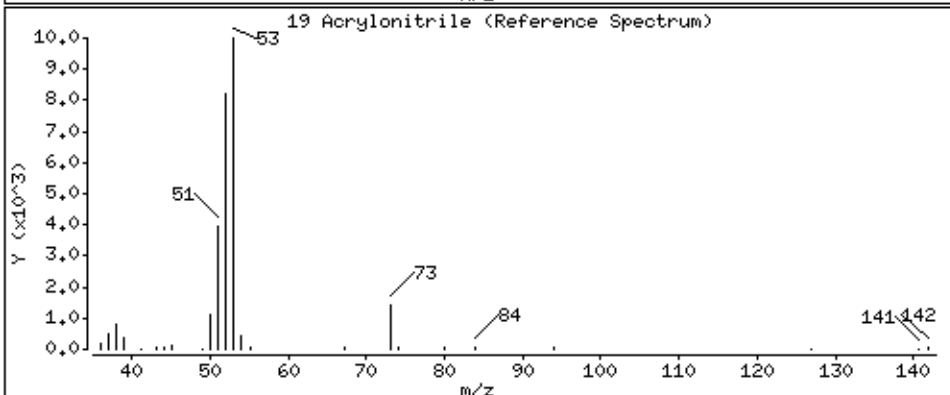
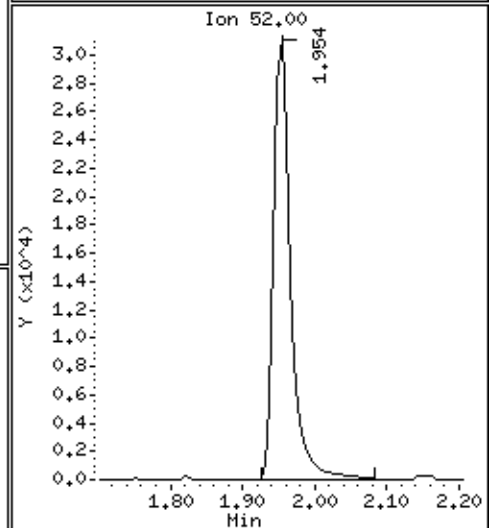
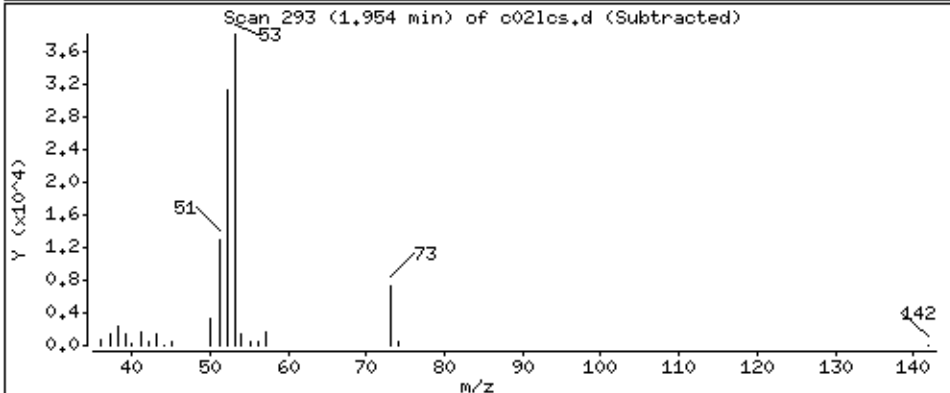
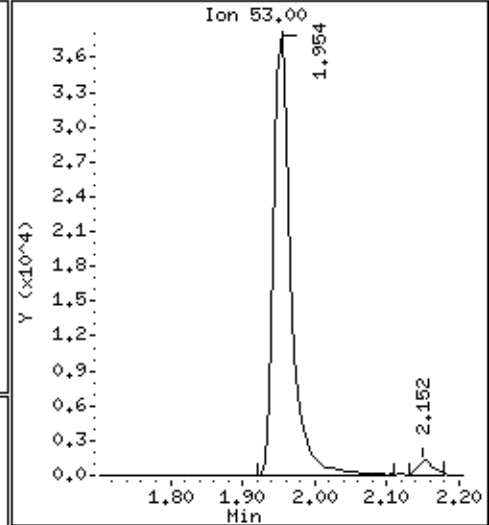
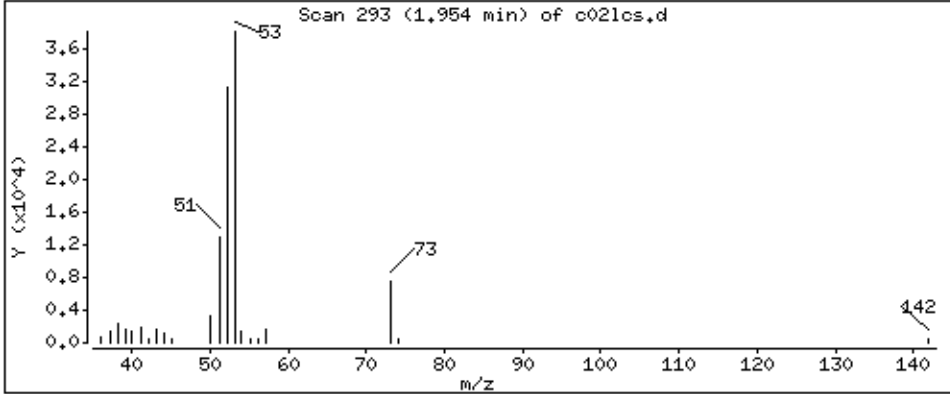
Operator: ala

Column phase: DB-624

Column diameter: 0,18

19 Acrylonitrile

Concentration: 163 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

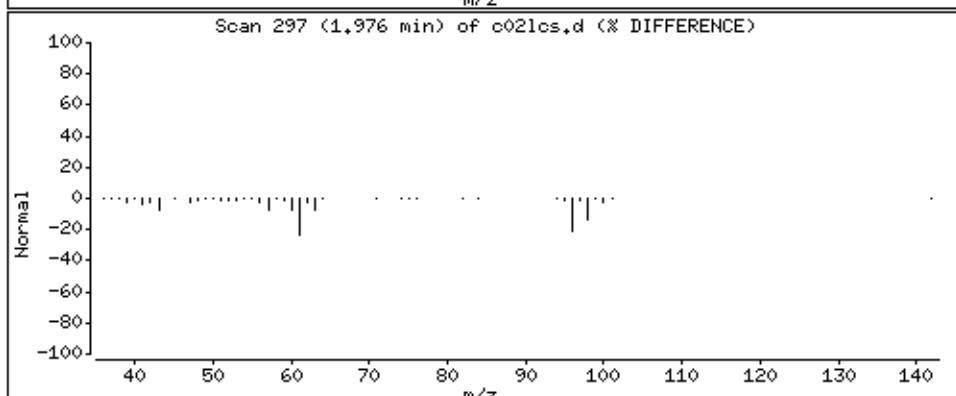
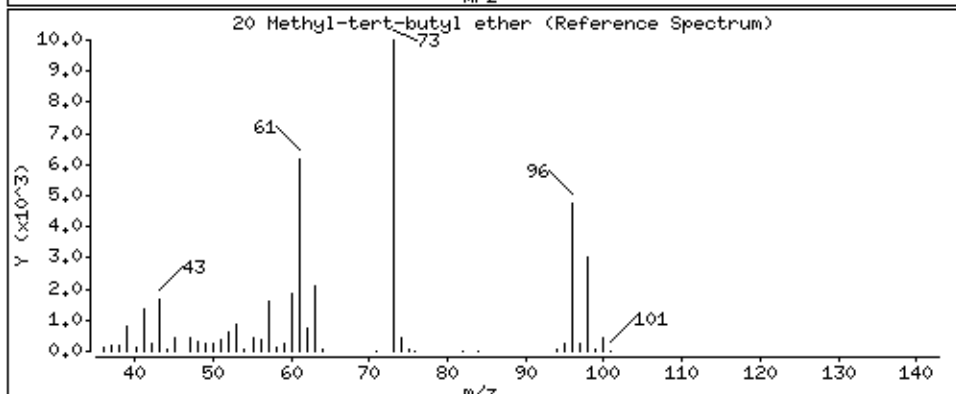
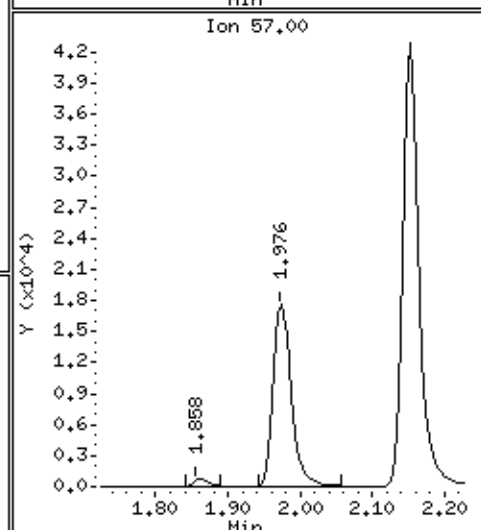
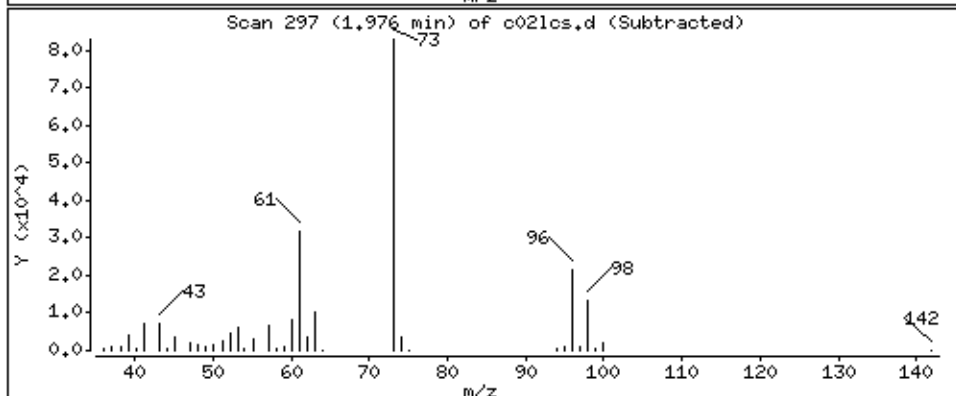
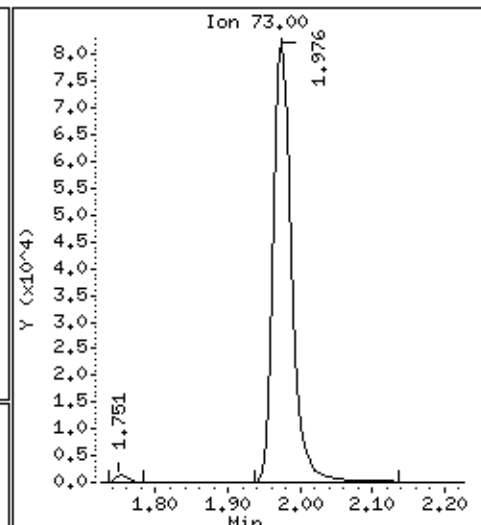
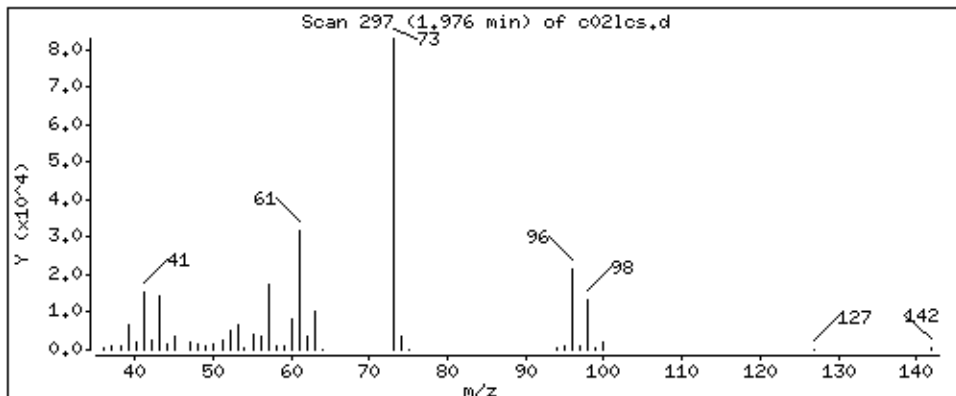
Operator: ala

Column phase: DB-624

Column diameter: 0,18

20 Methyl-tert-butyl ether

Concentration: 49,9 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730;5

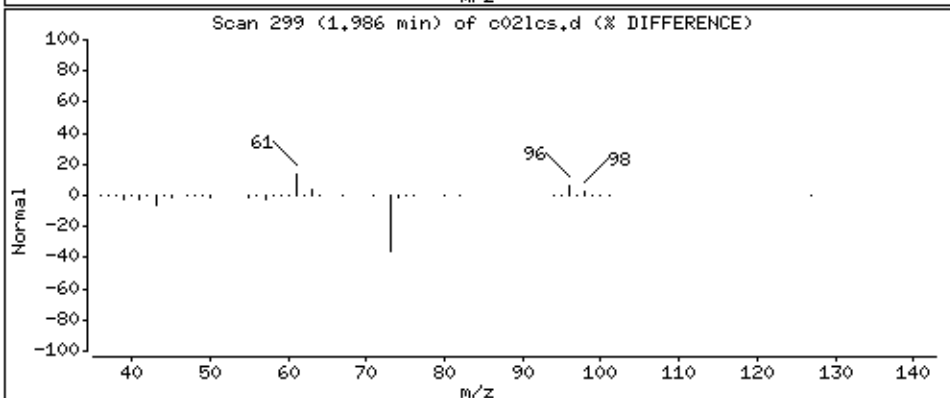
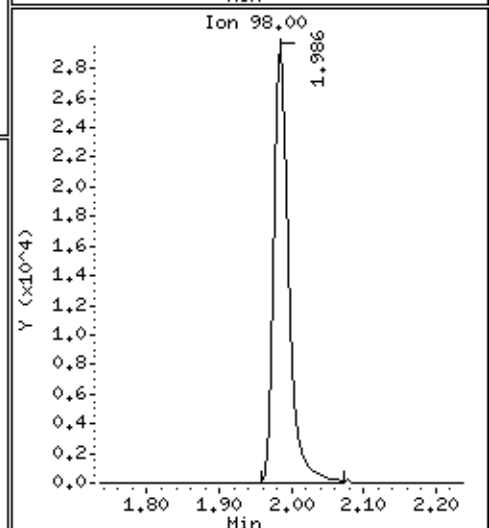
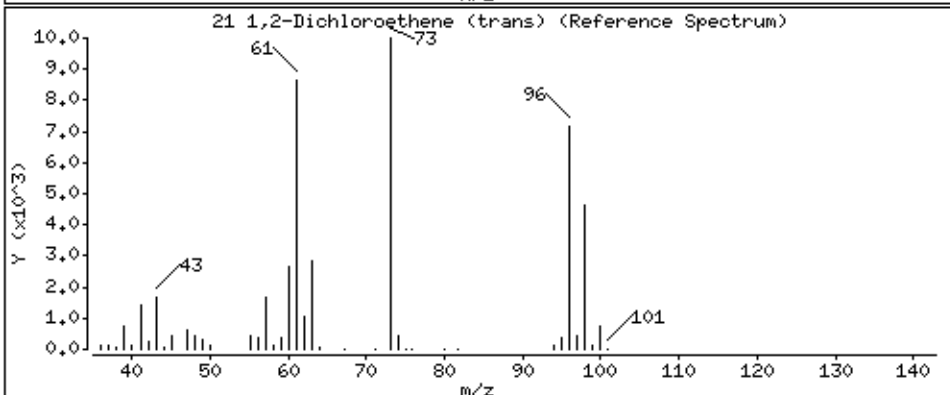
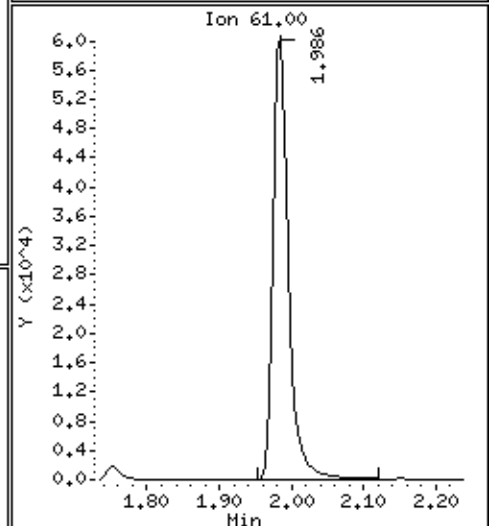
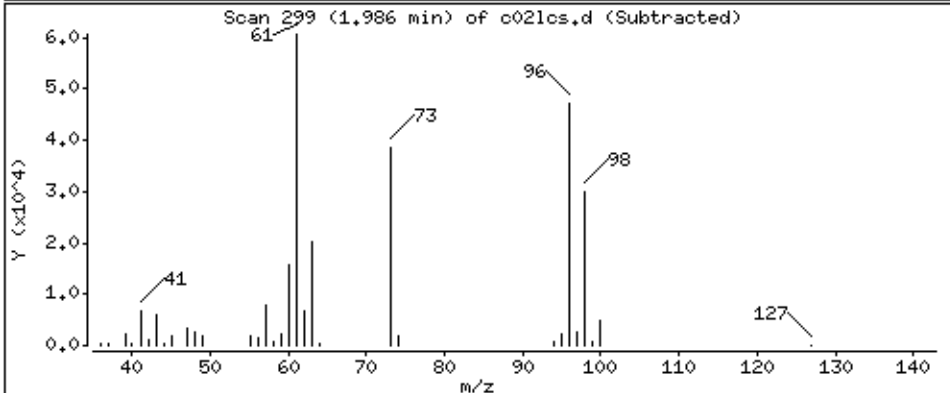
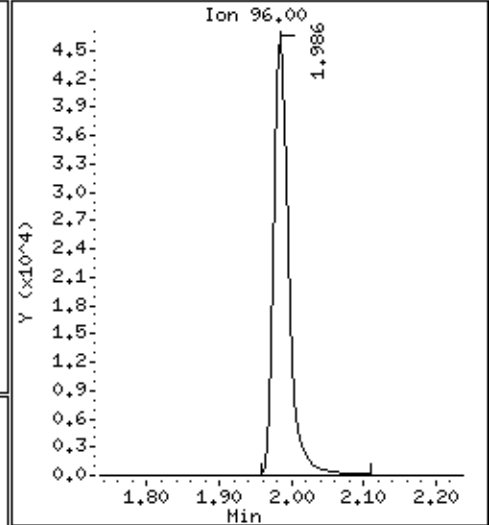
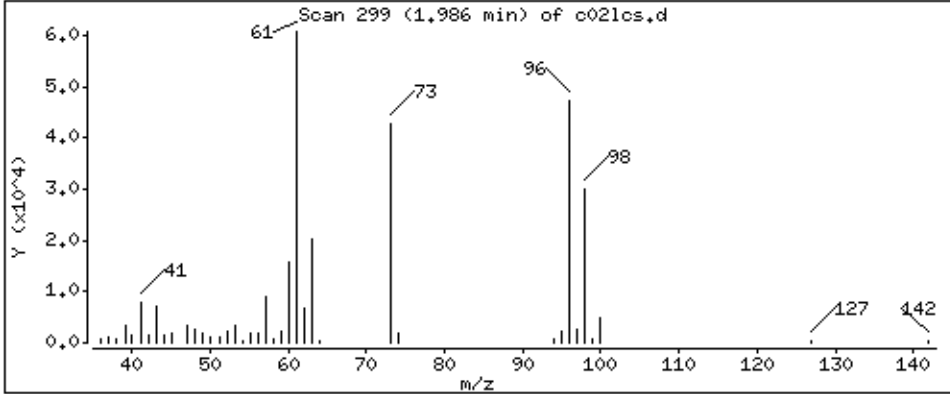
Operator: ala

Column phase: DB-624

Column diameter: 0,18

21 1,2-Dichloroethene (trans)

Concentration: 47,3 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

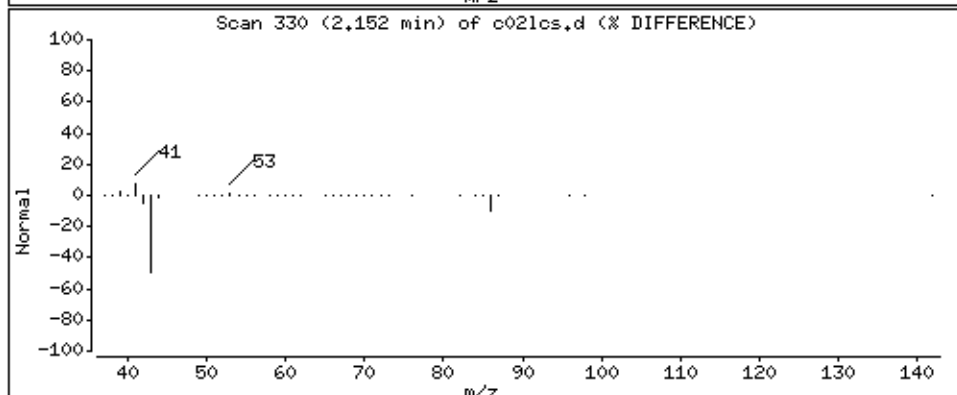
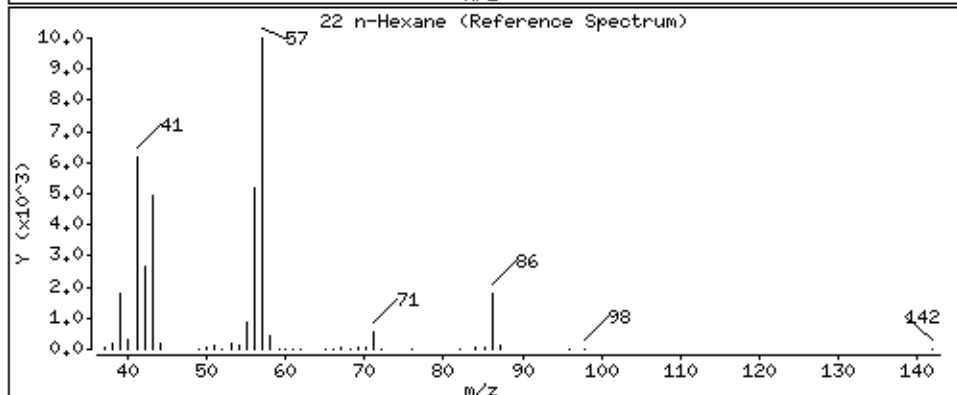
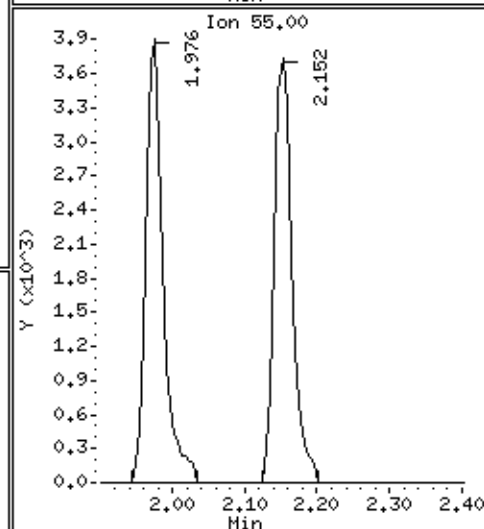
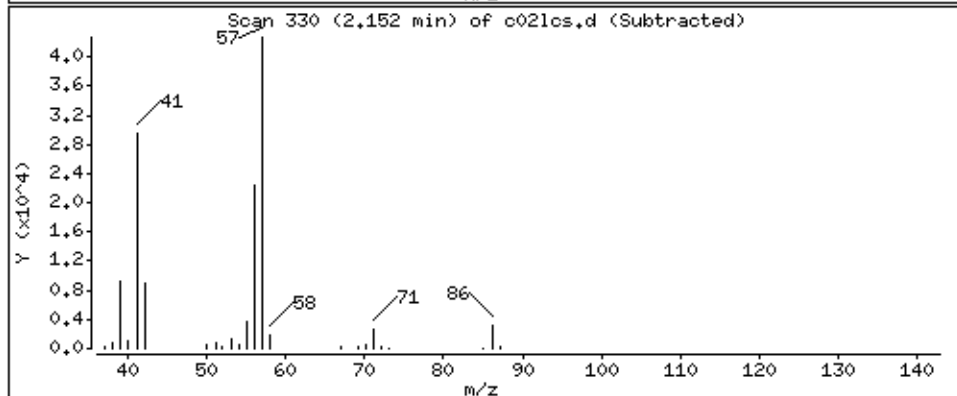
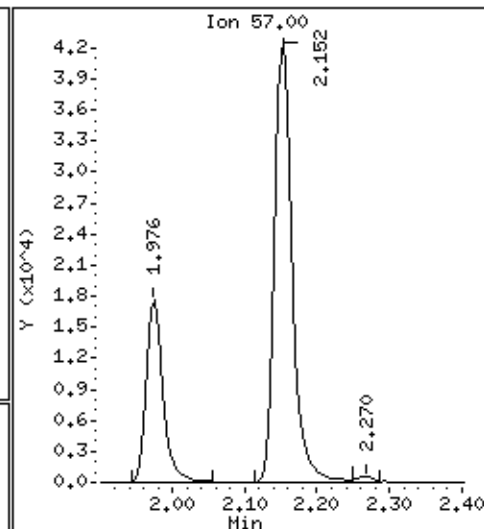
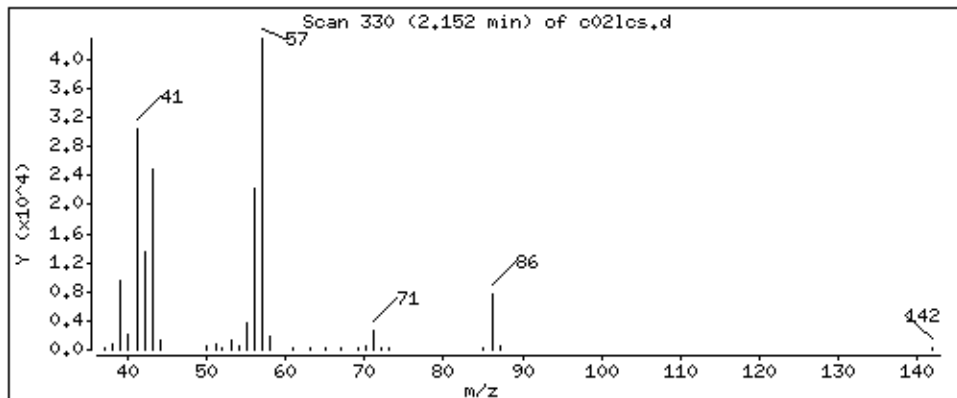
Operator: ala

Column phase: DB-624

Column diameter: 0,18

22 n-Hexane

Concentration: 37,6 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730;5

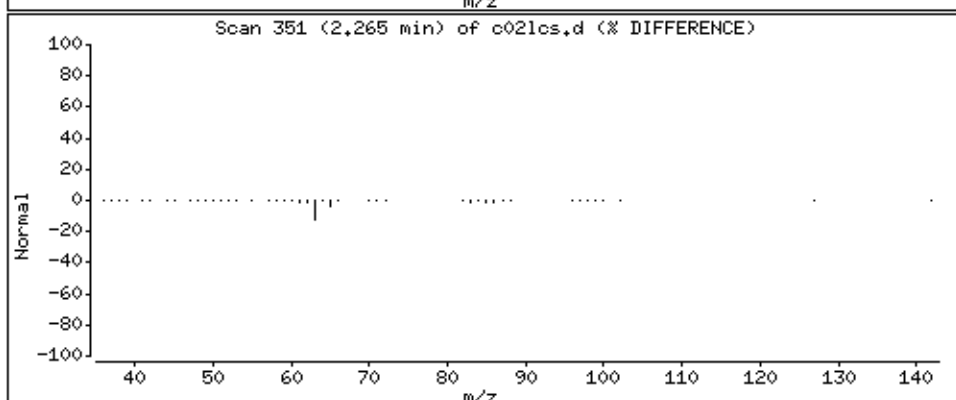
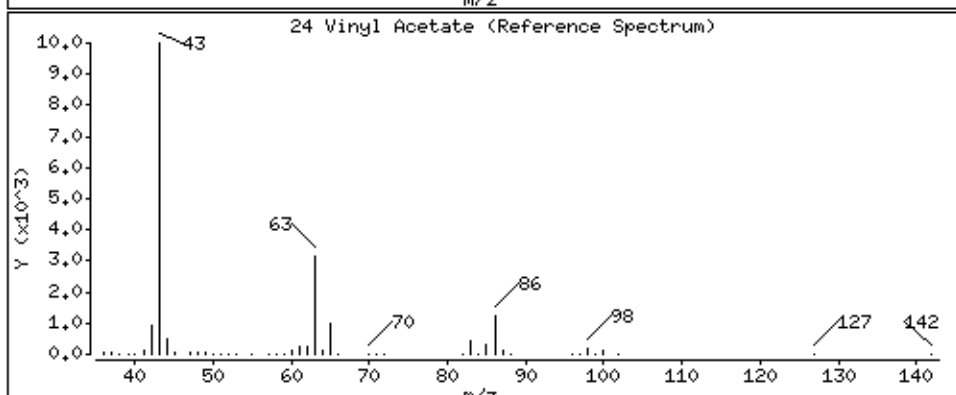
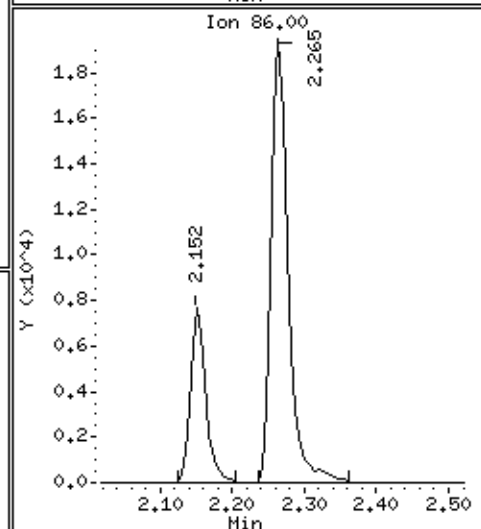
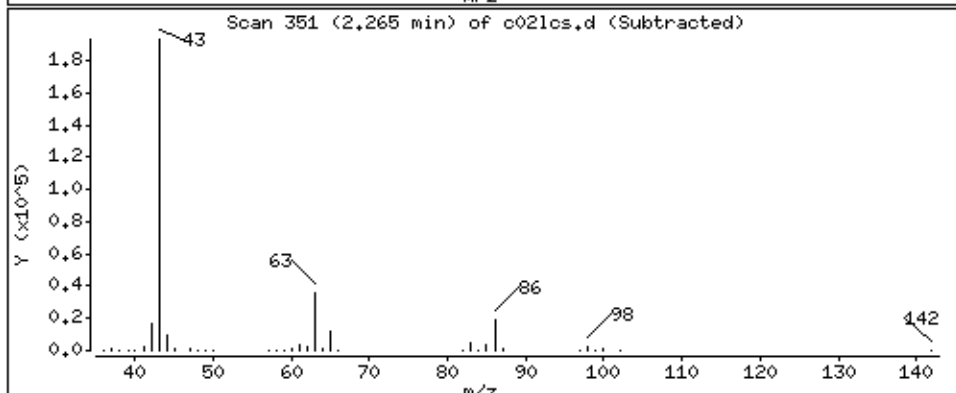
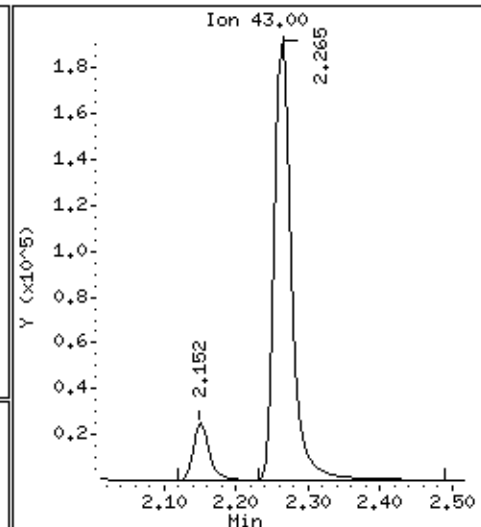
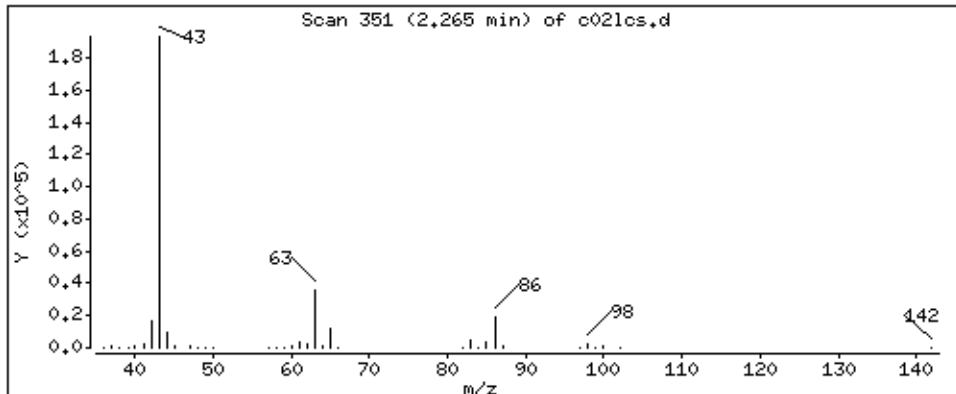
Operator: ala

Column phase: DB-624

Column diameter: 0,18

24 Vinyl Acetate

Concentration: 179 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

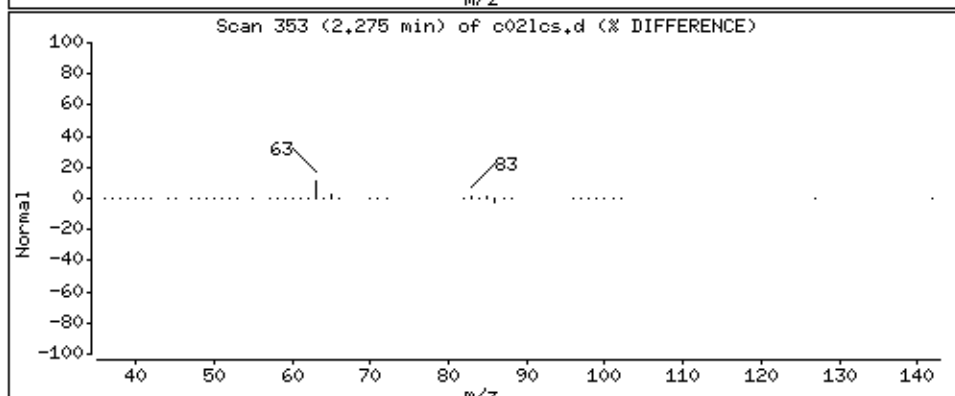
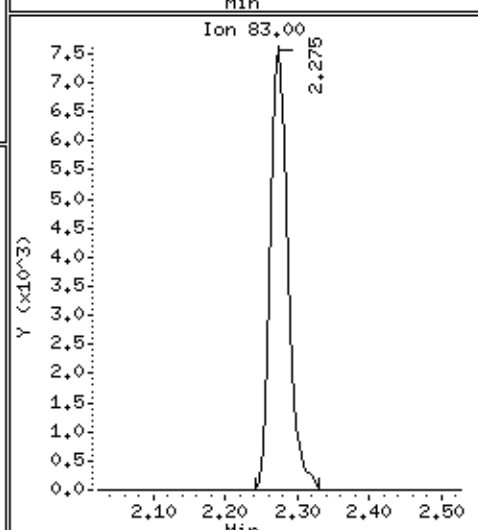
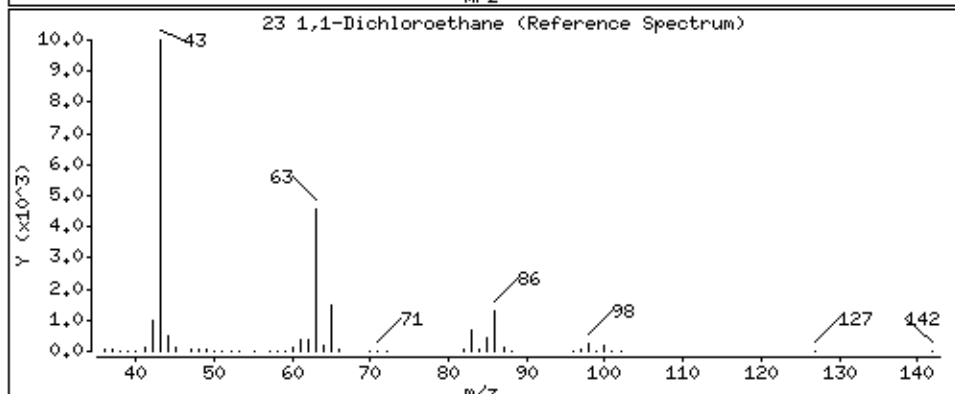
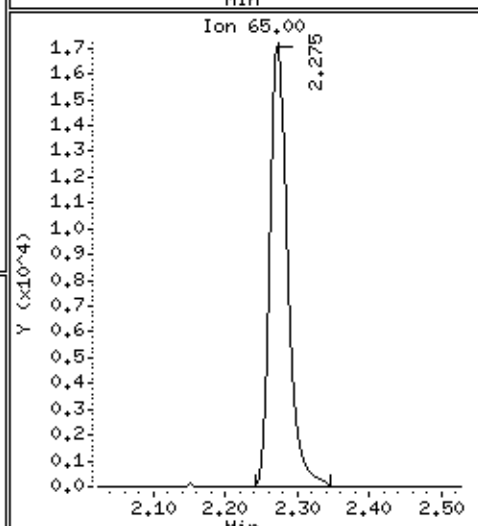
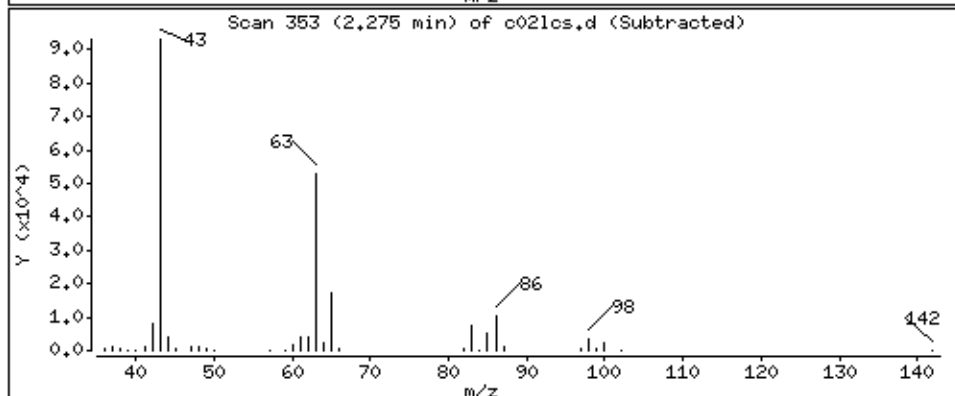
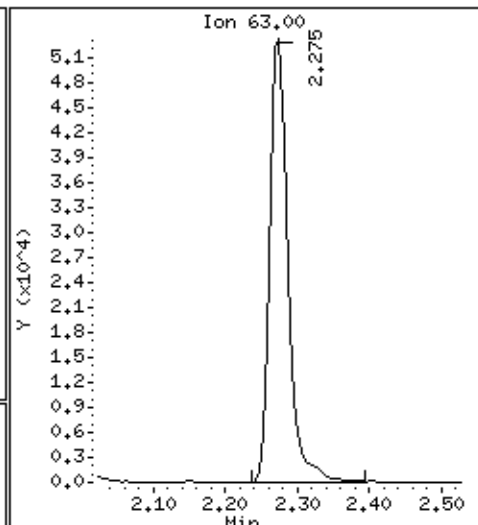
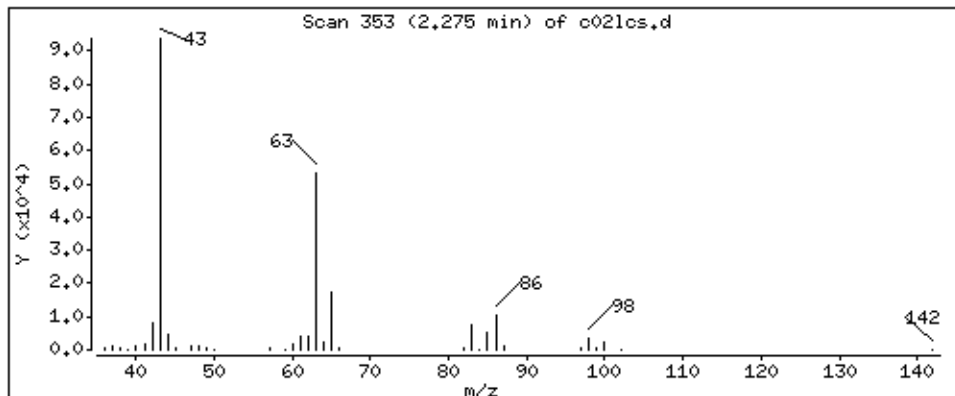
Operator: ala

Column phase: DB-624

Column diameter: 0,18

23 1,1-Dichloroethane

Concentration: 44,7 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

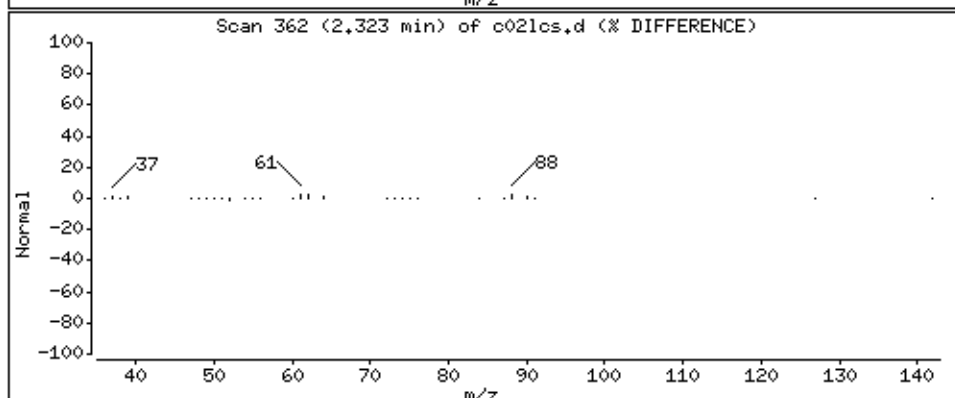
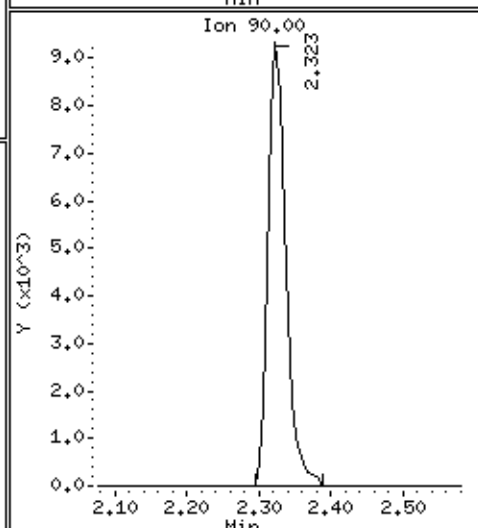
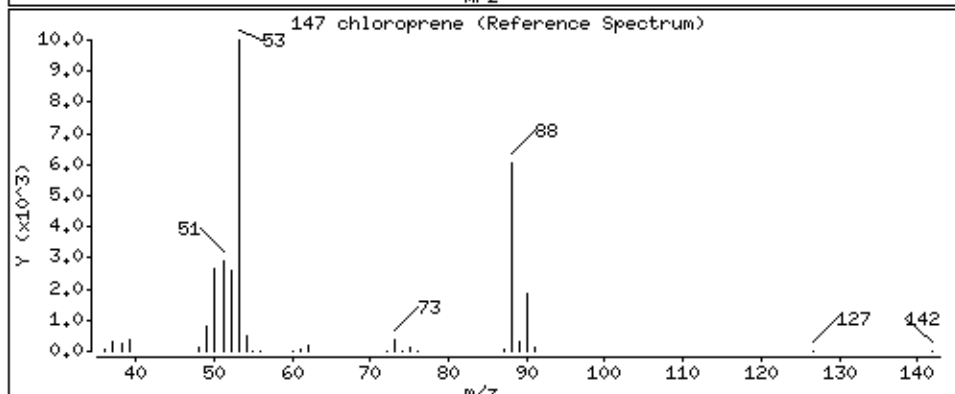
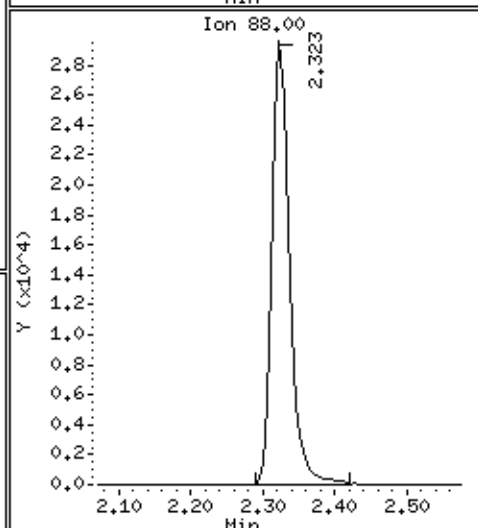
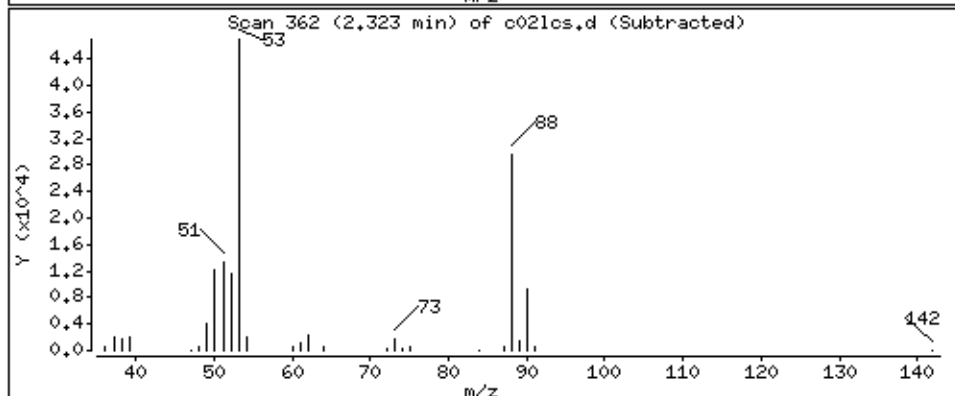
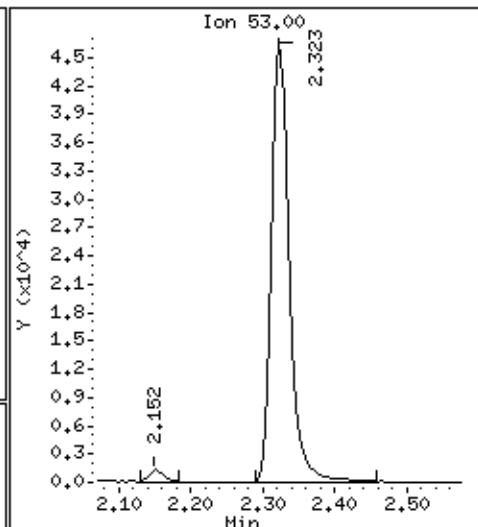
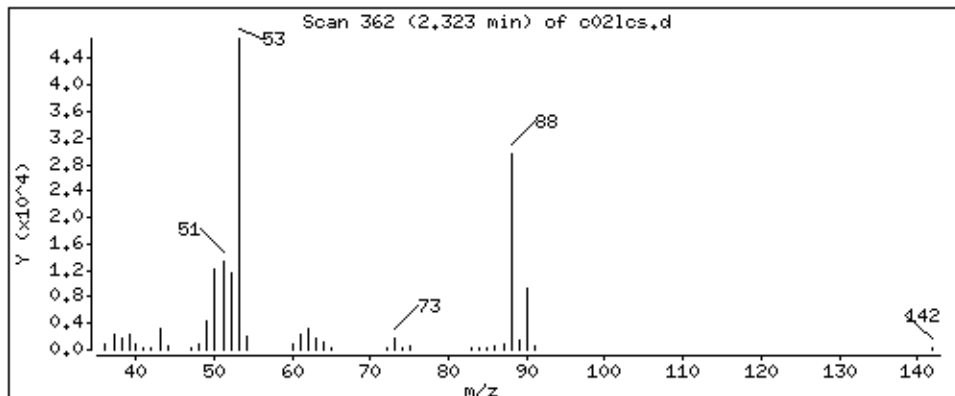
Operator: ala

Column phase: DB-624

Column diameter: 0,18

147 chloroprene

Concentration: 50,0 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

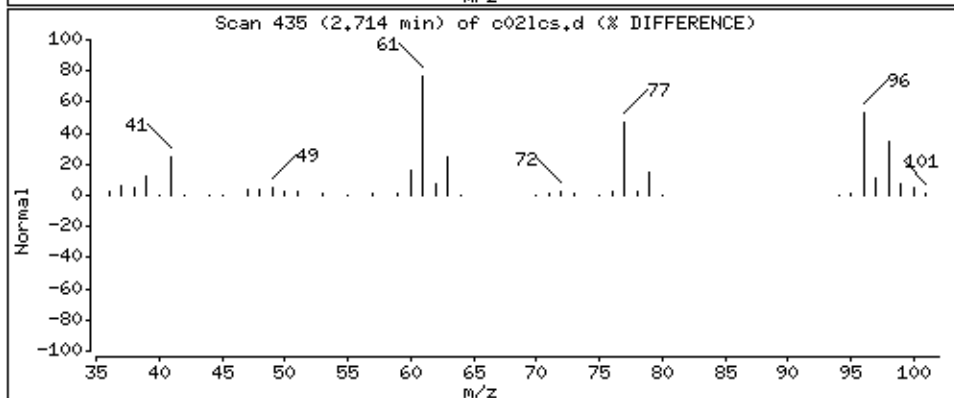
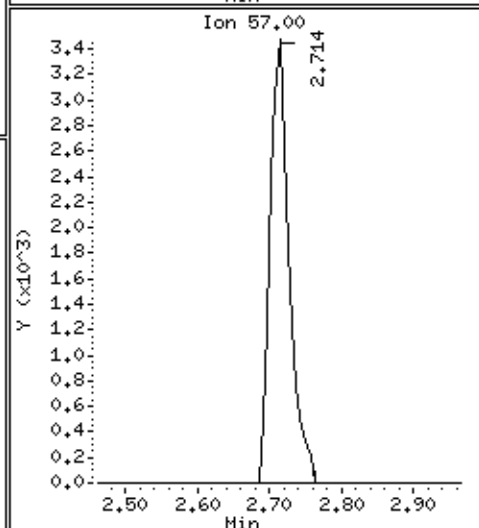
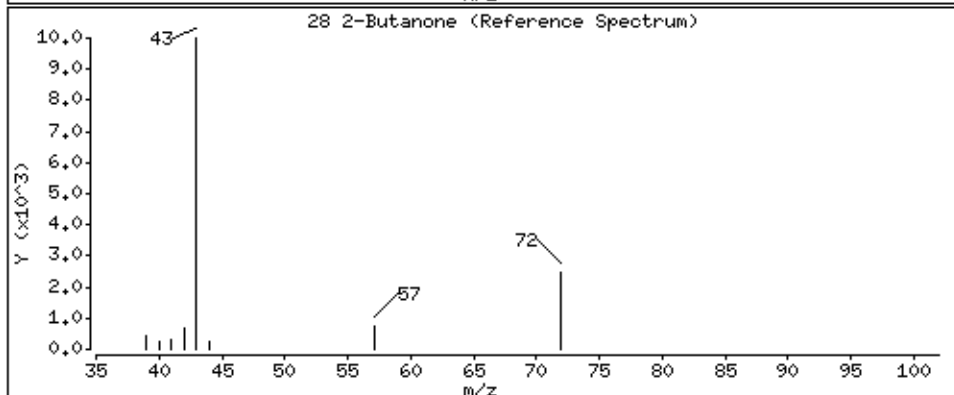
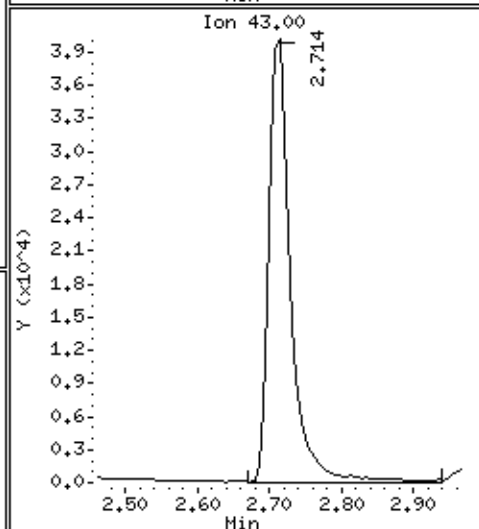
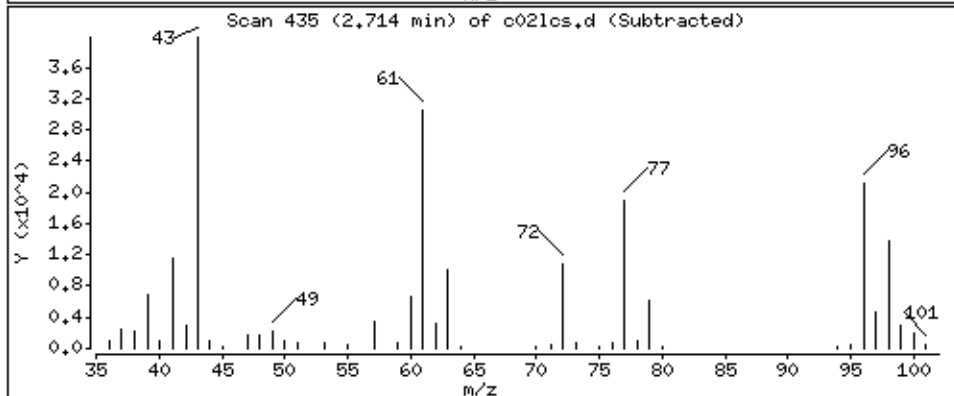
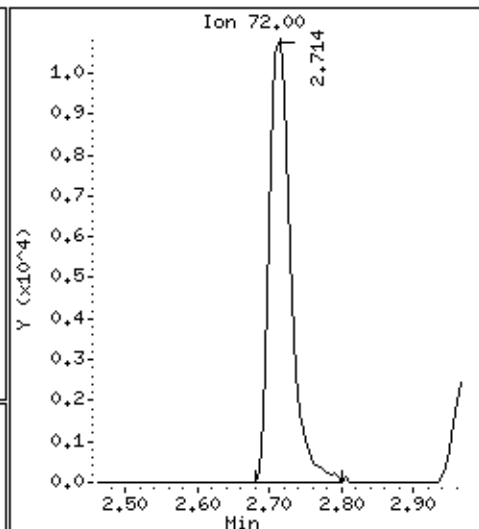
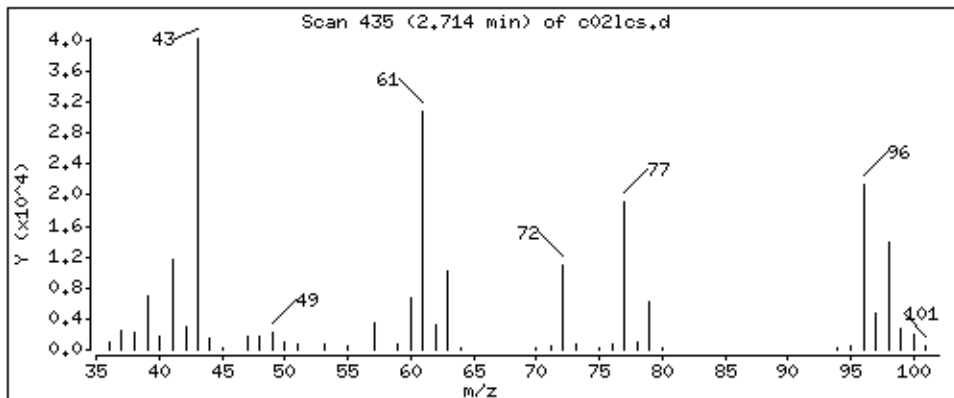
Operator: ala

Column phase: DB-624

Column diameter: 0,18

28 2-Butanone

Concentration: 184 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730;5

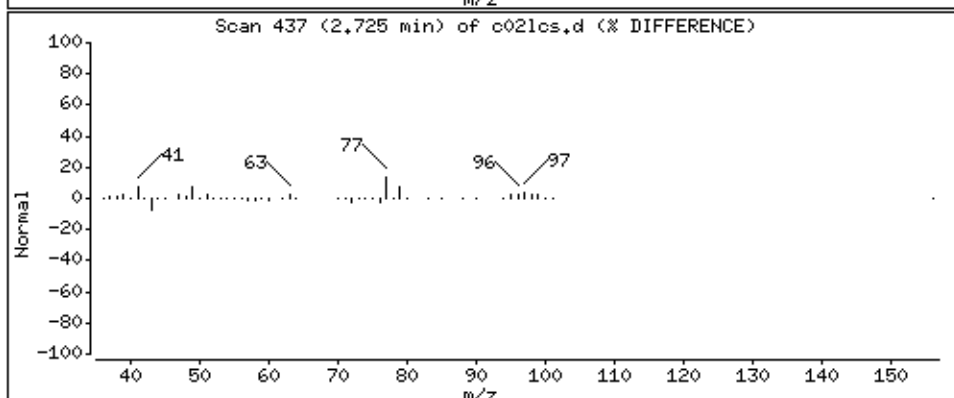
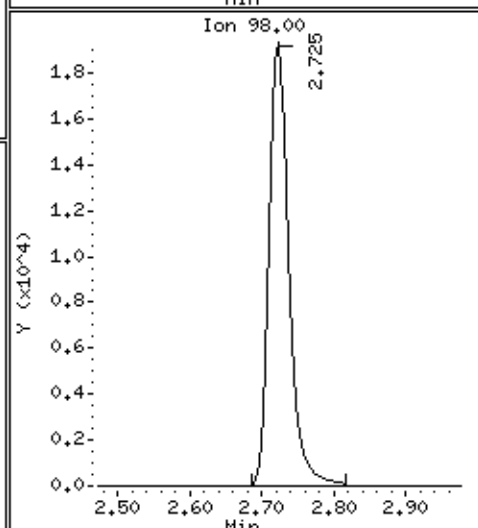
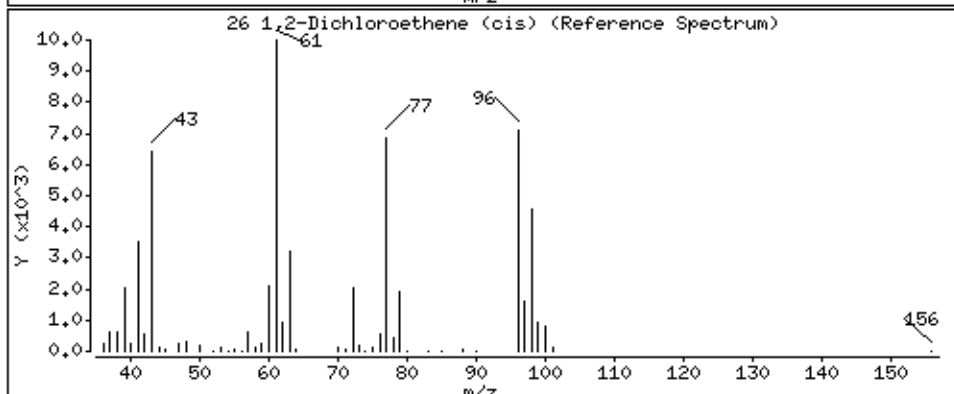
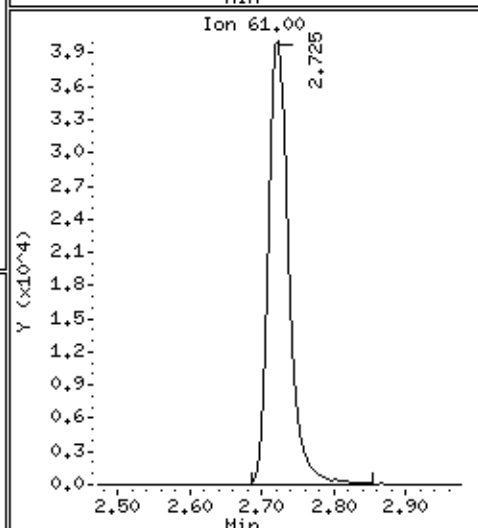
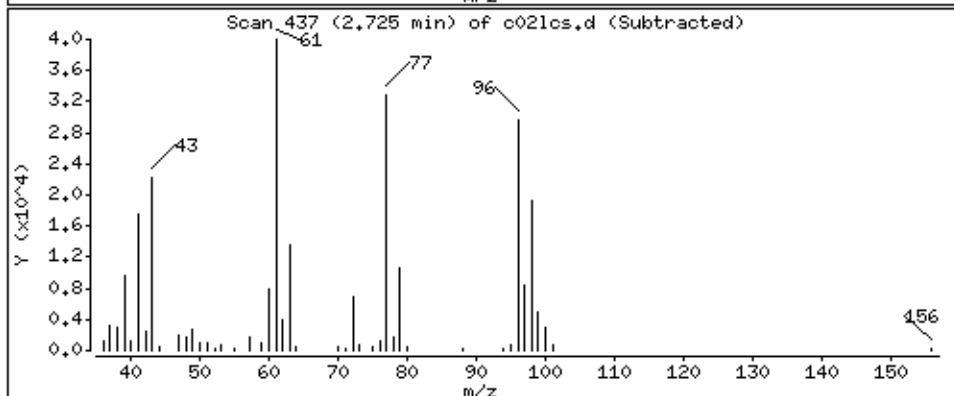
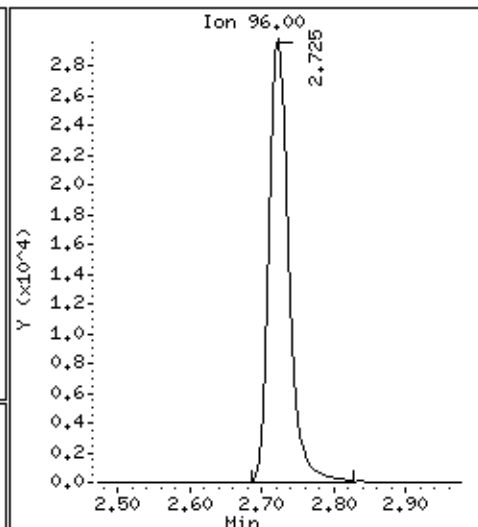
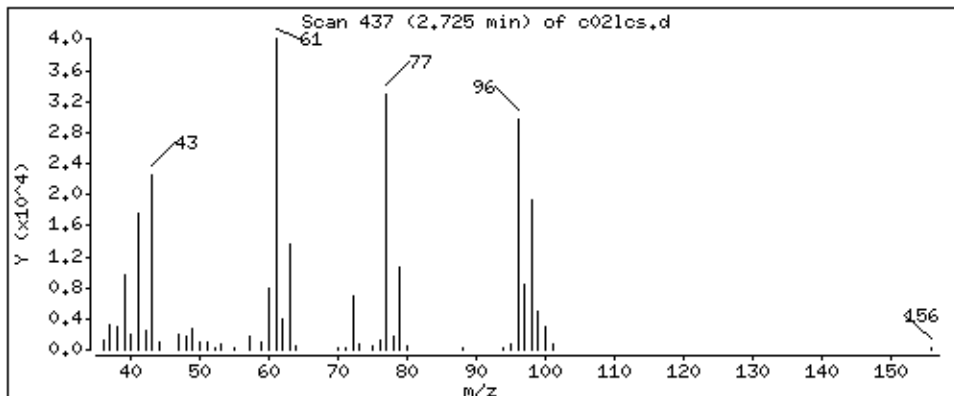
Operator: ala

Column phase: DB-624

Column diameter: 0,18

26 1,2-Dichloroethene (cis)

Concentration: 48,6 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

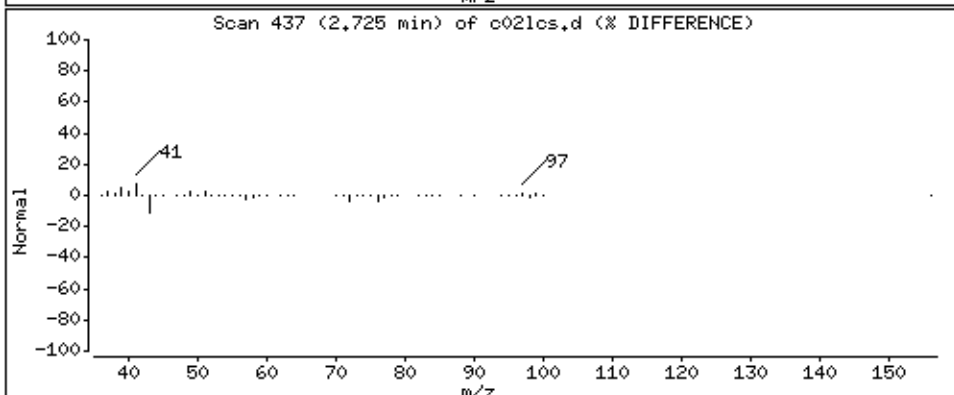
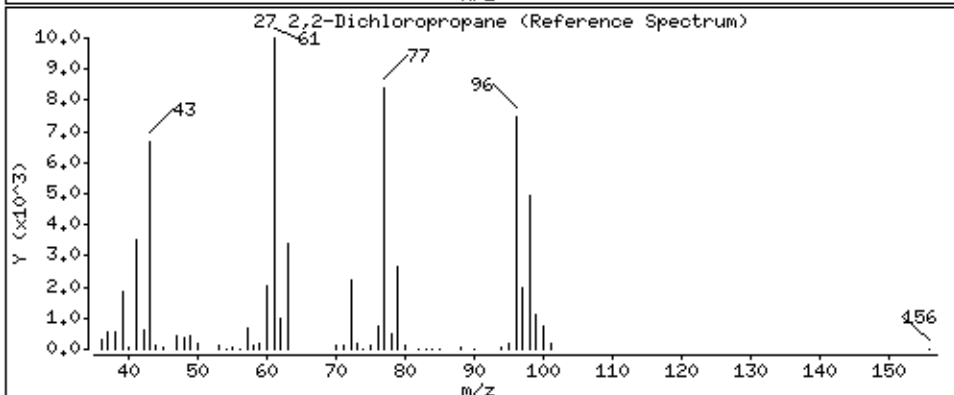
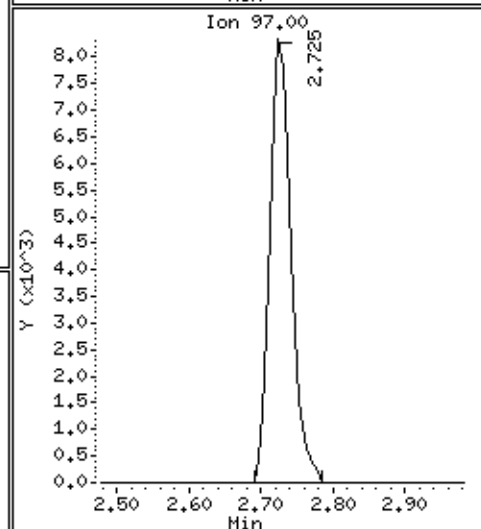
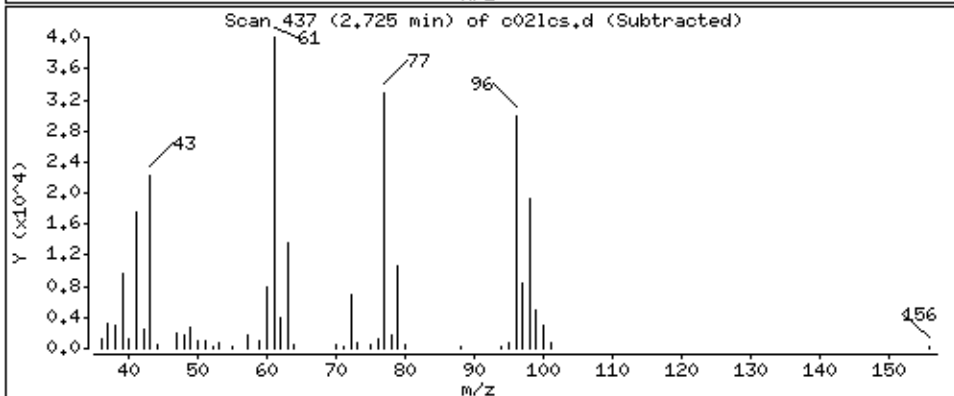
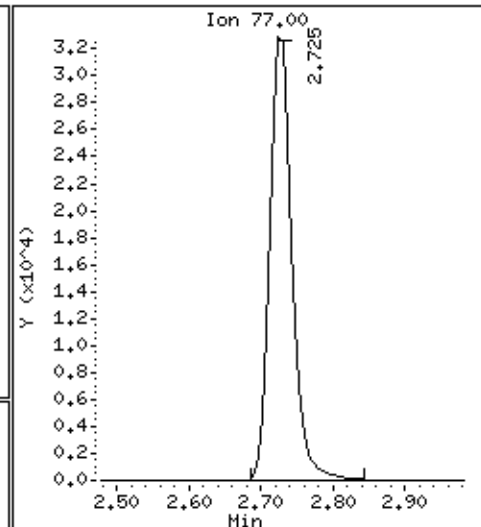
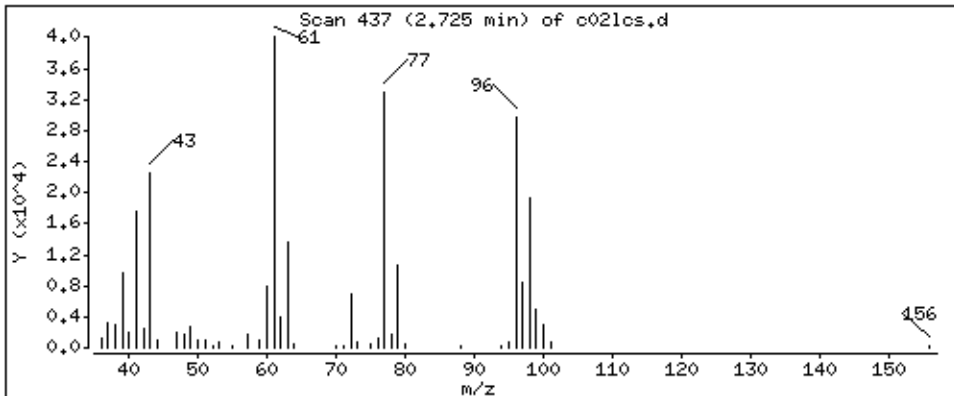
Operator: ala

Column phase: DB-624

Column diameter: 0,18

27 2,2-Dichloropropane

Concentration: 45,2 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

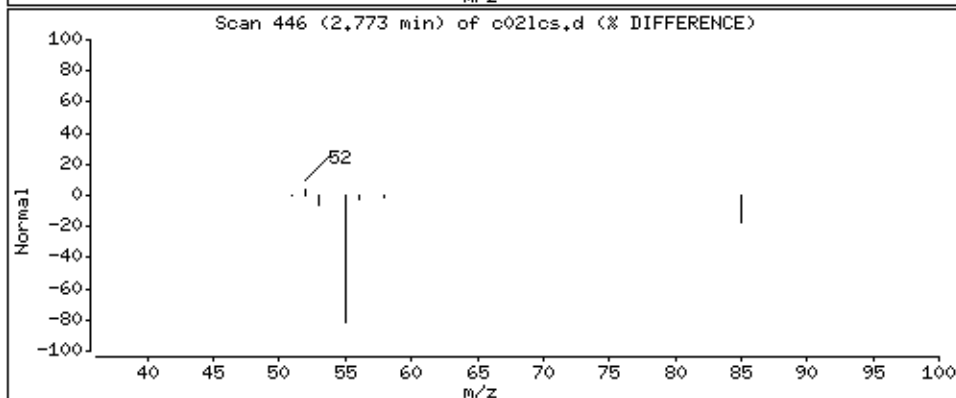
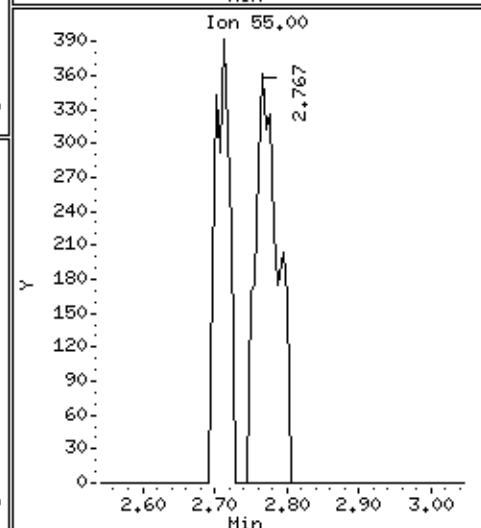
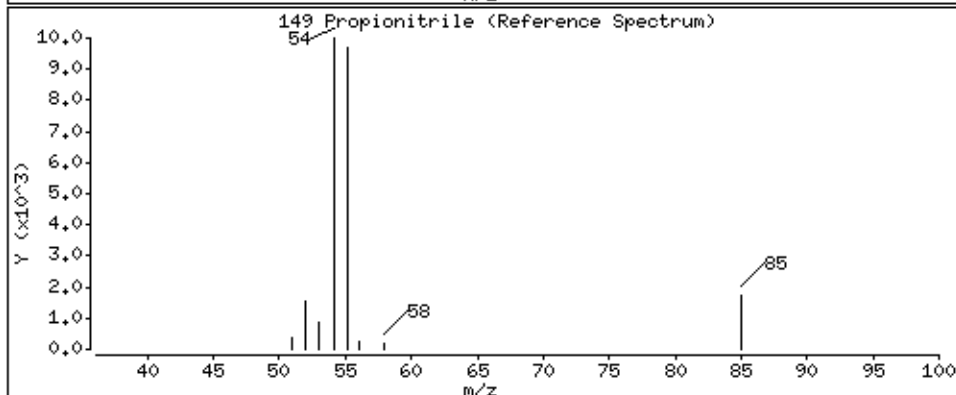
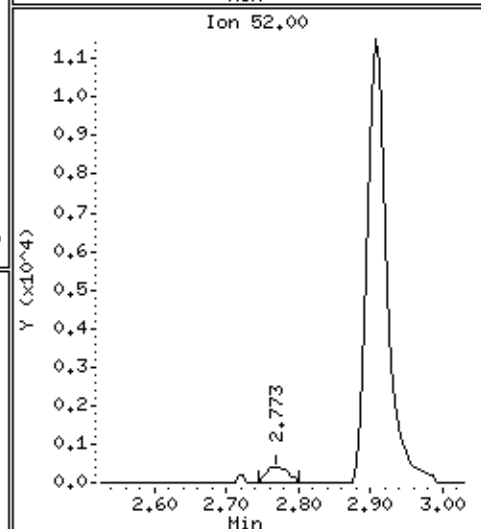
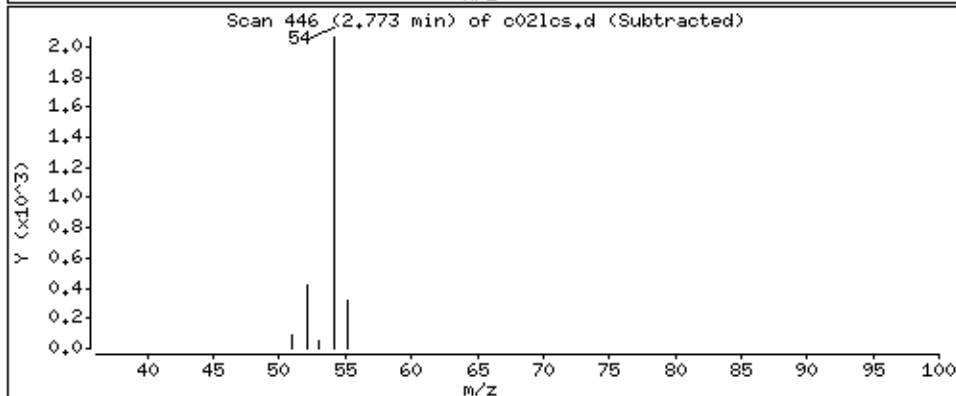
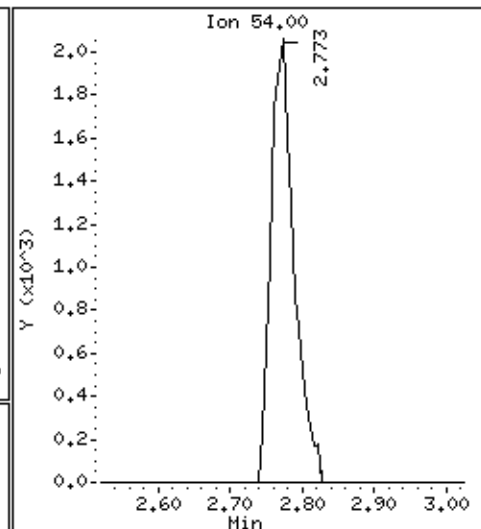
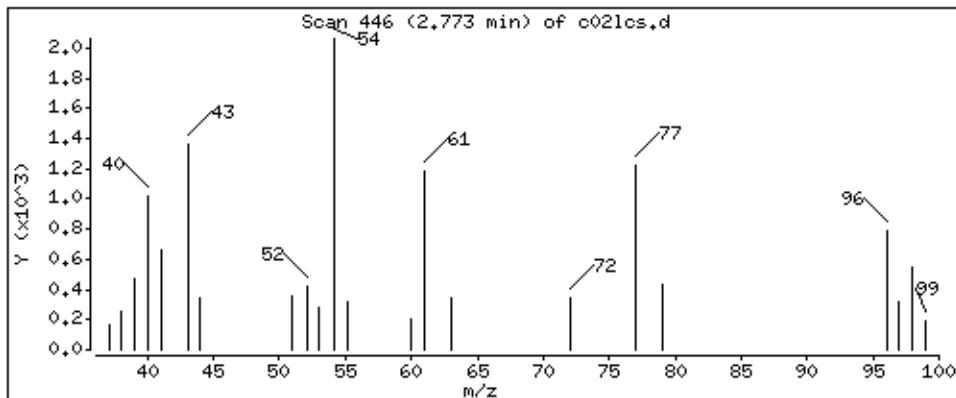
Operator: ala

Column phase: DB-624

Column diameter: 0,18

149 Propionitrile

Concentration: 35,3 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

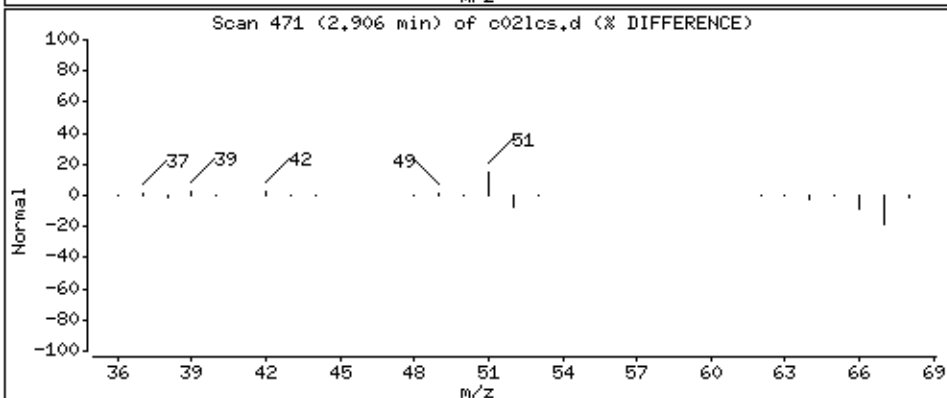
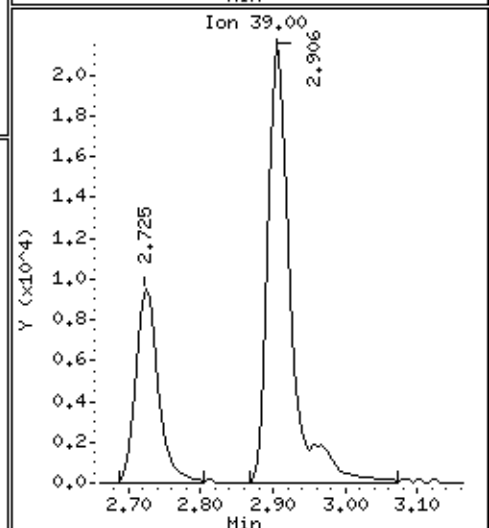
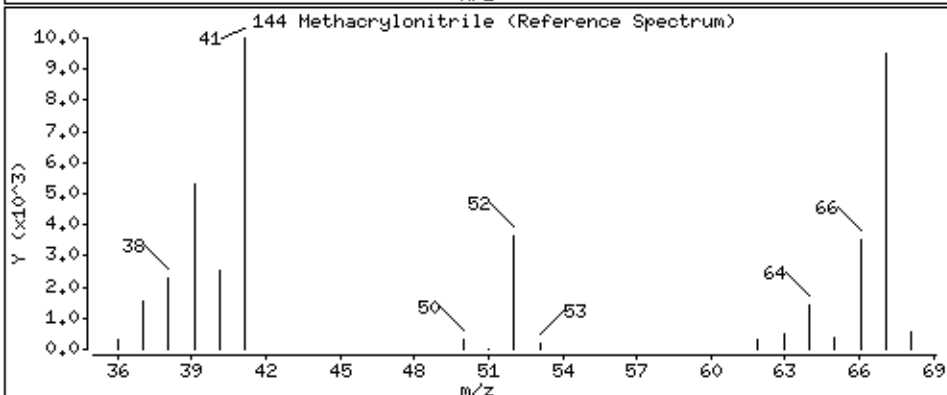
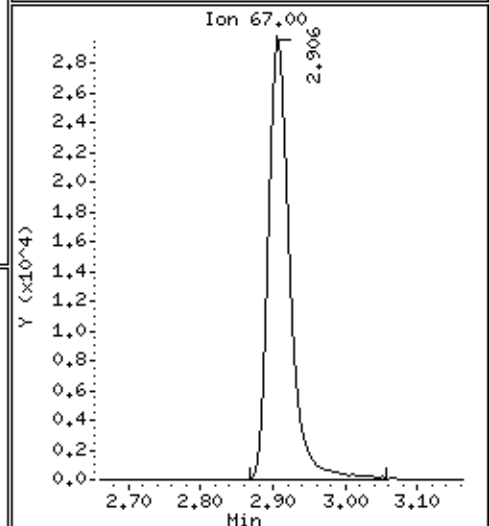
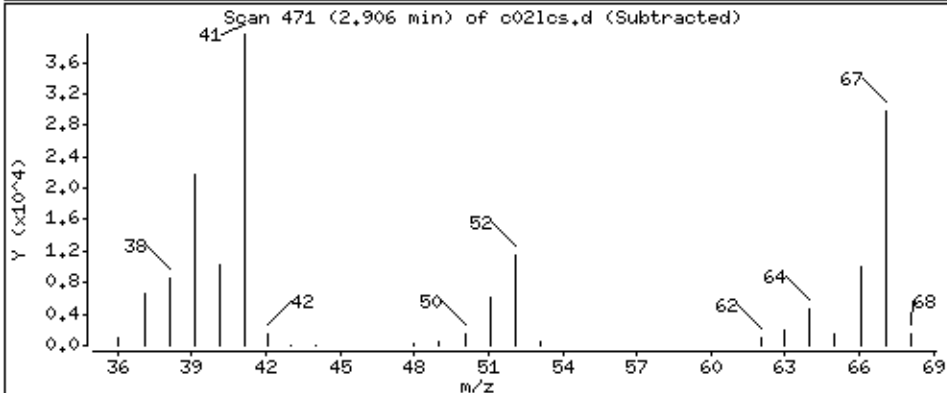
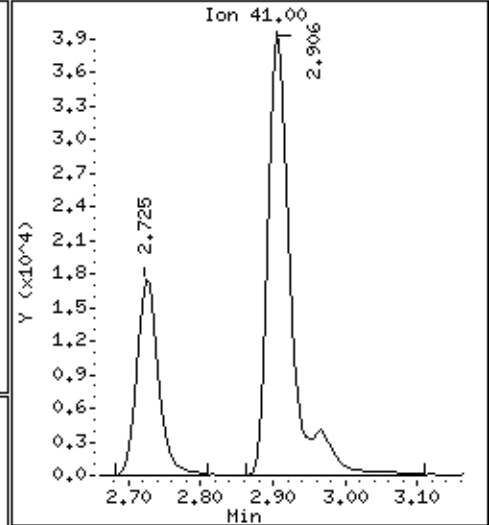
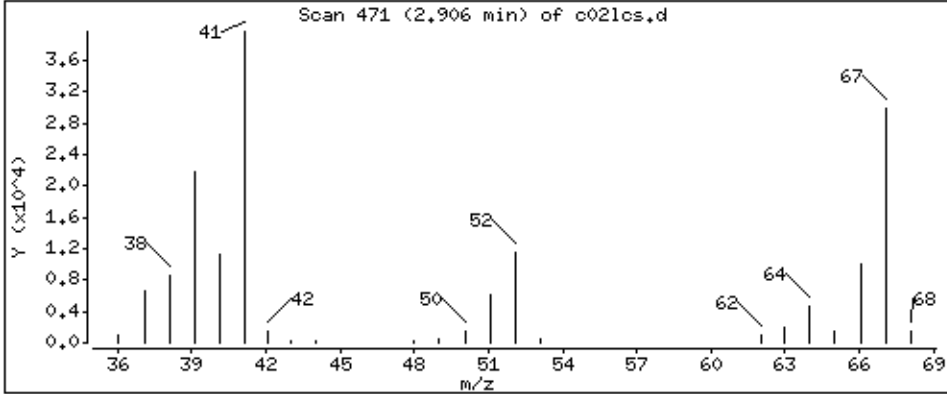
Operator: ala

Column phase: DB-624

Column diameter: 0,18

144 Methacrylonitrile

Concentration: 210 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

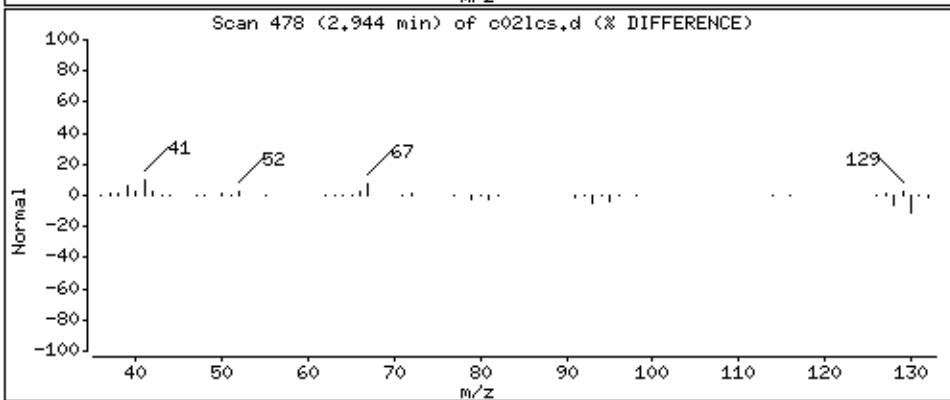
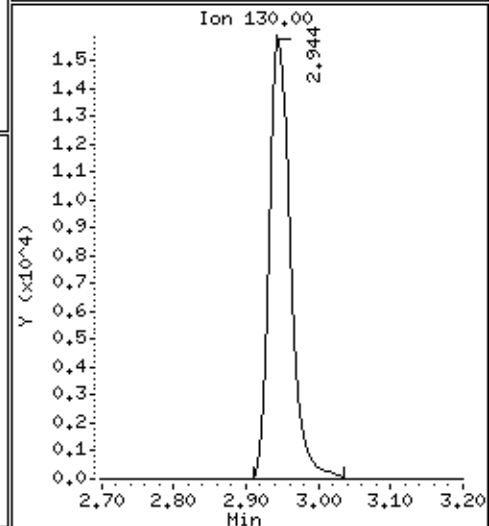
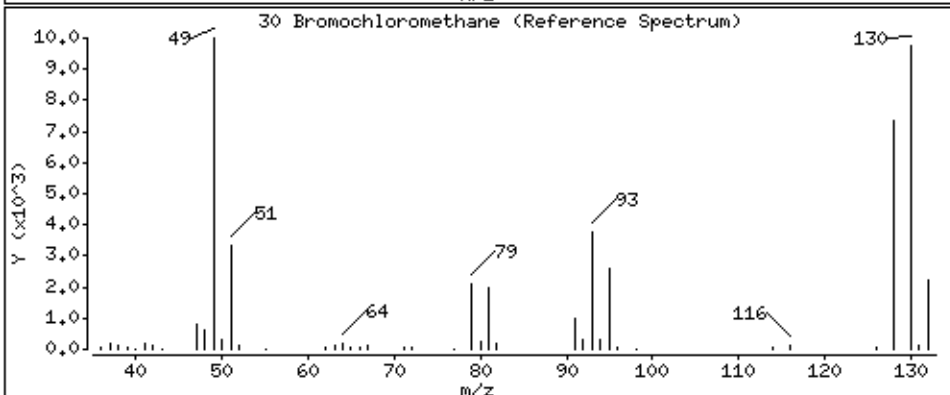
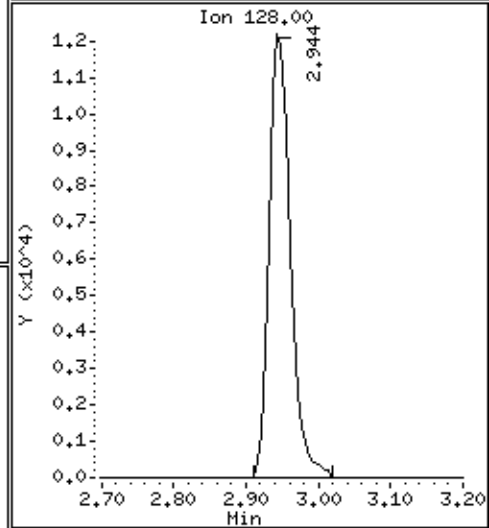
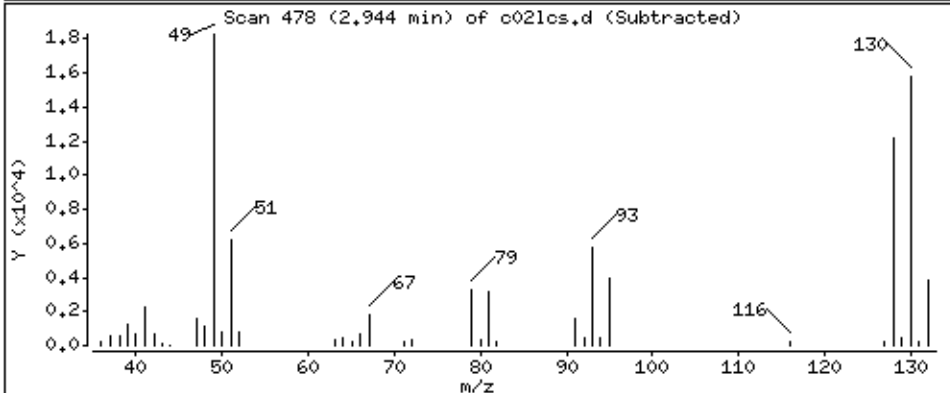
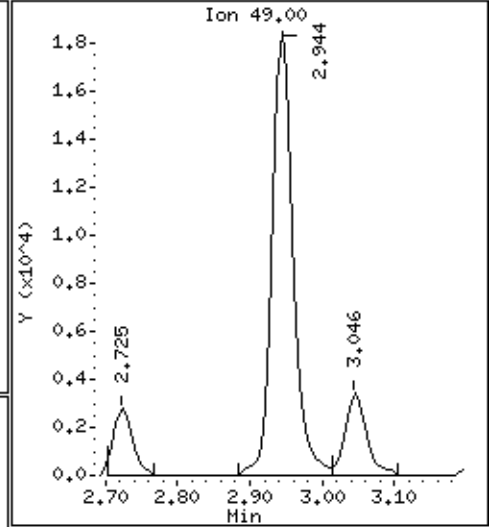
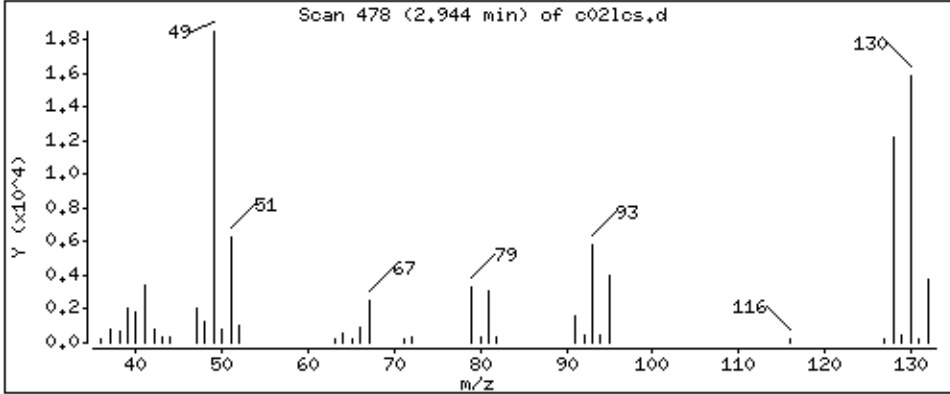
Operator: ala

Column phase: DB-624

Column diameter: 0,18

30 Bromochloromethane

Concentration: 46,0 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

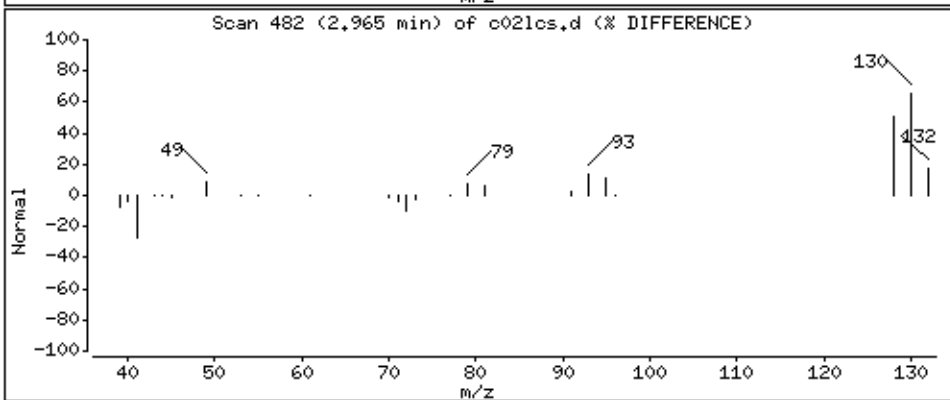
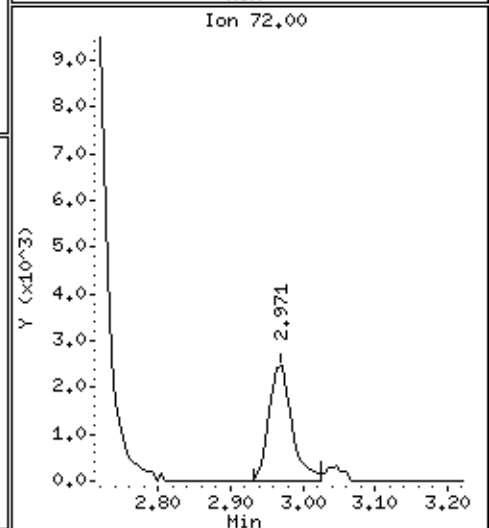
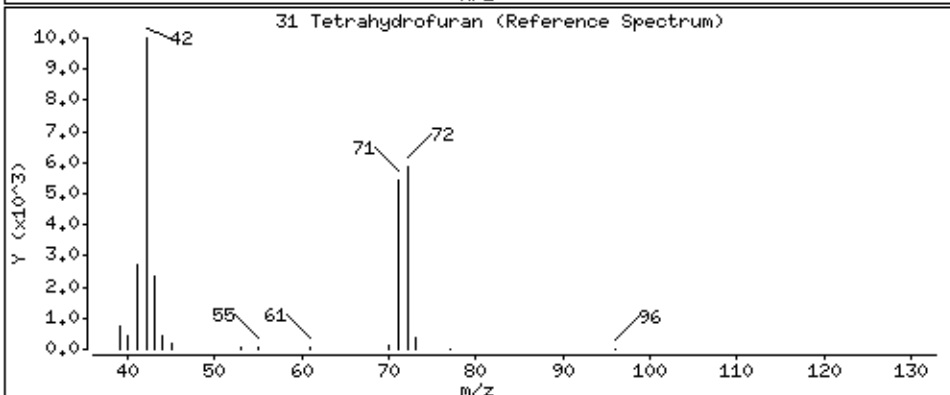
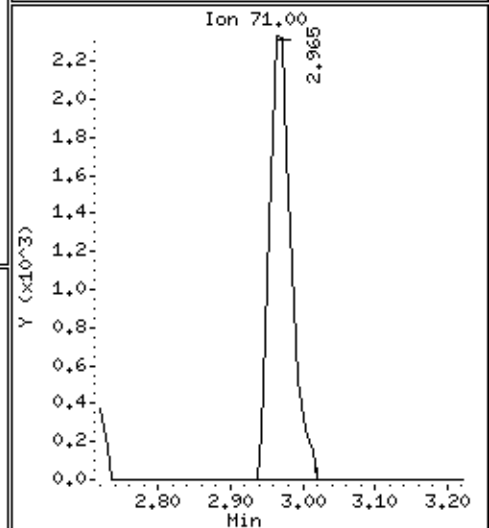
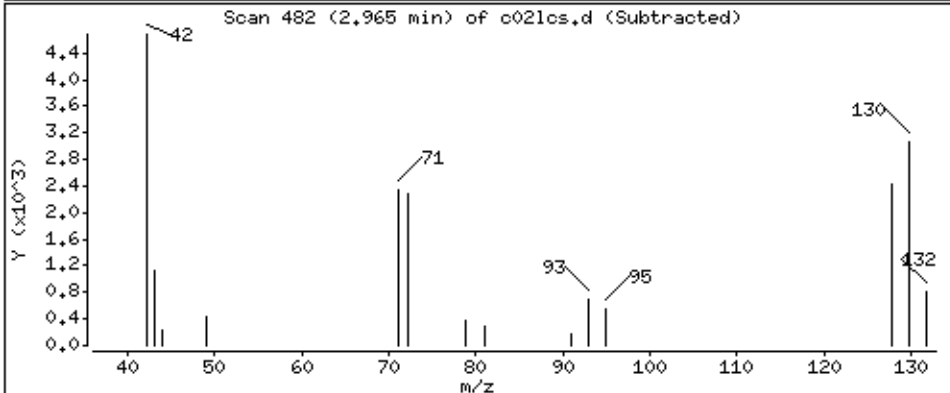
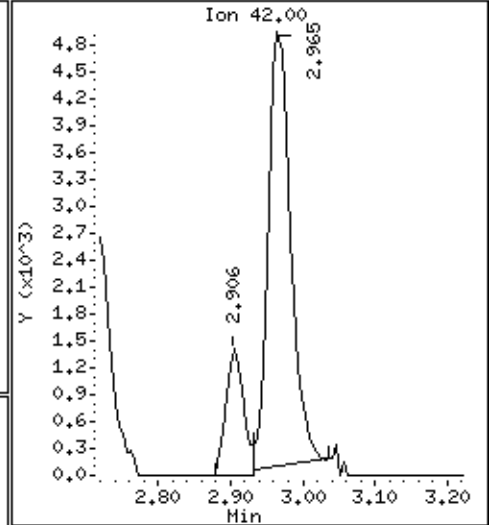
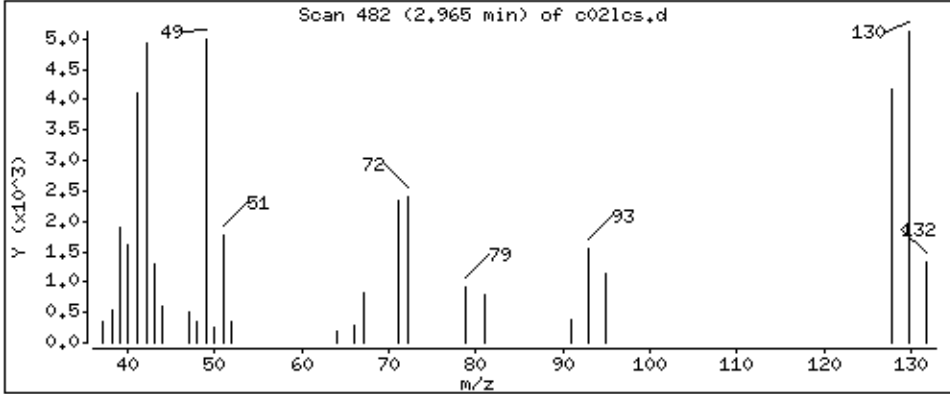
Operator: ala

Column phase: DB-624

Column diameter: 0,18

31 Tetrahydrofuran

Concentration: 38,8 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

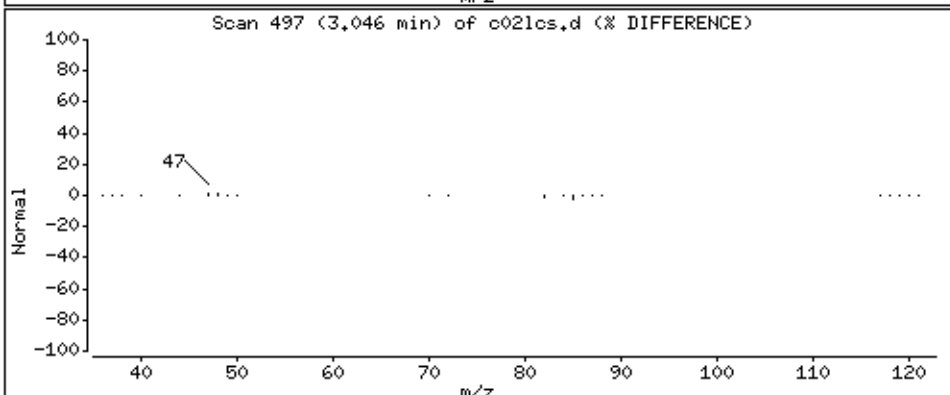
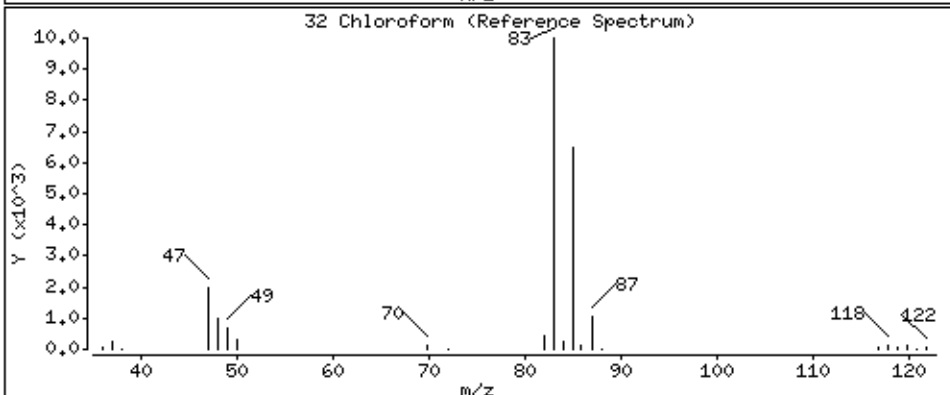
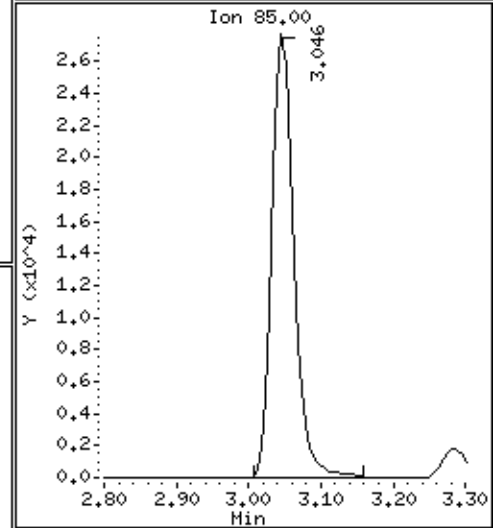
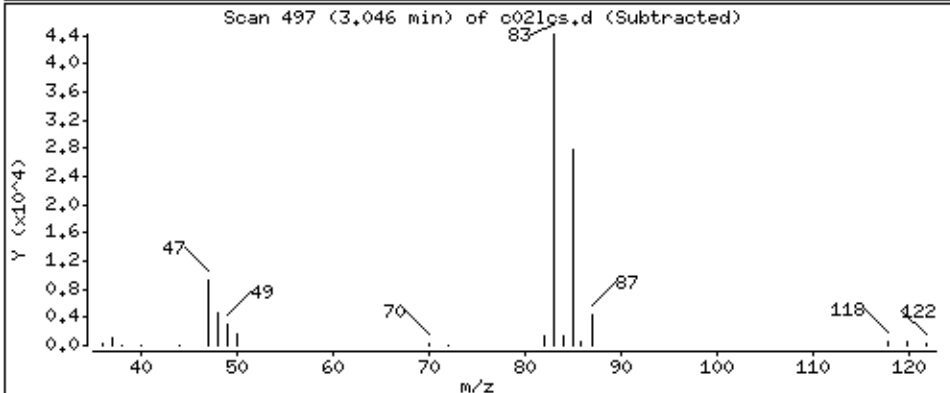
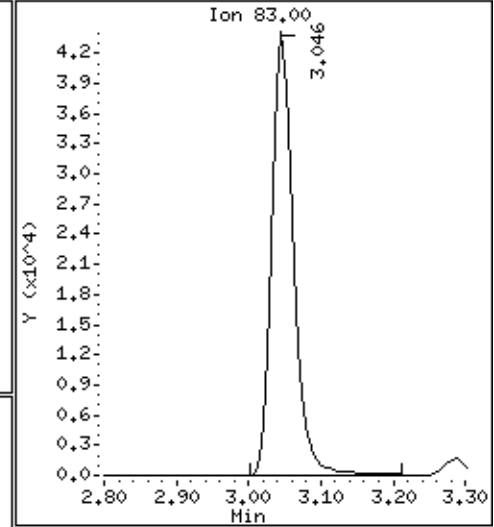
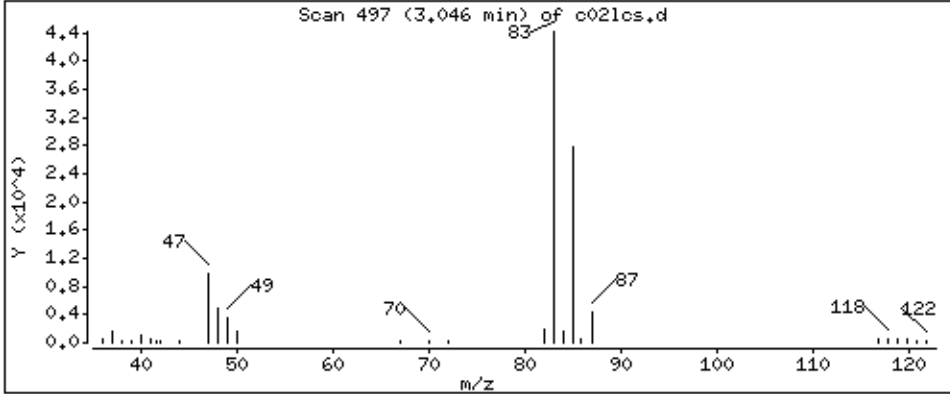
Operator: ala

Column phase: DB-624

Column diameter: 0,18

32 Chloroform

Concentration: 44,8 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

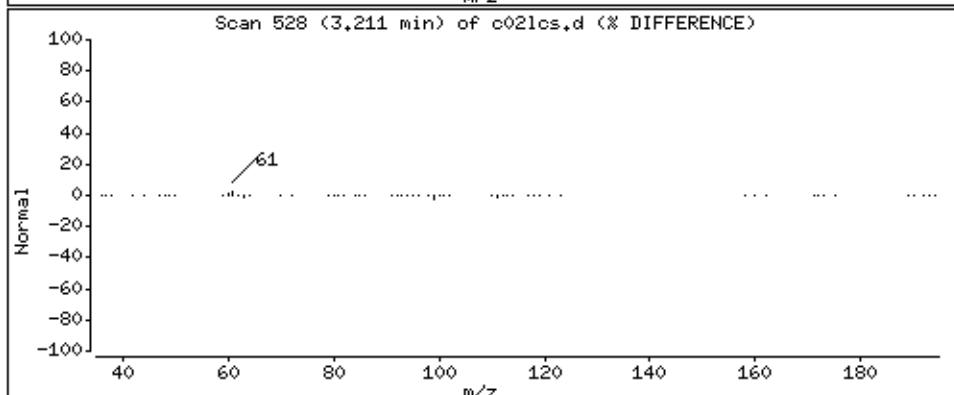
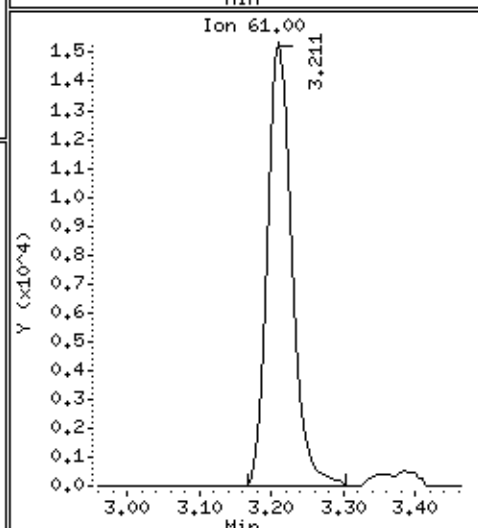
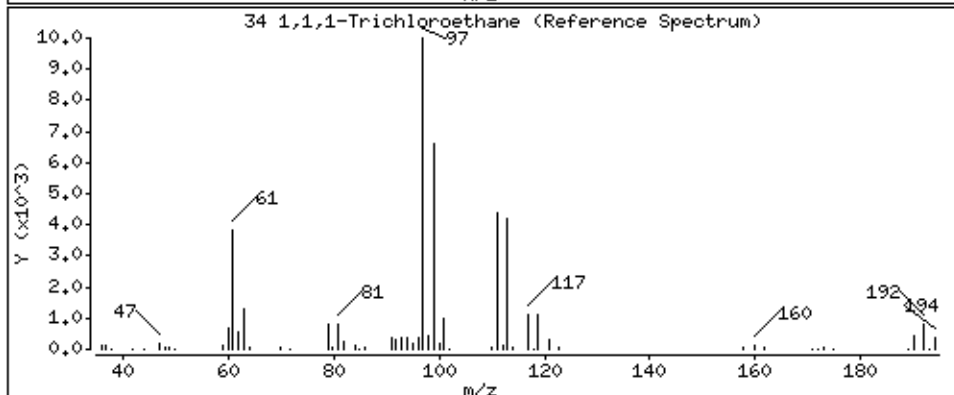
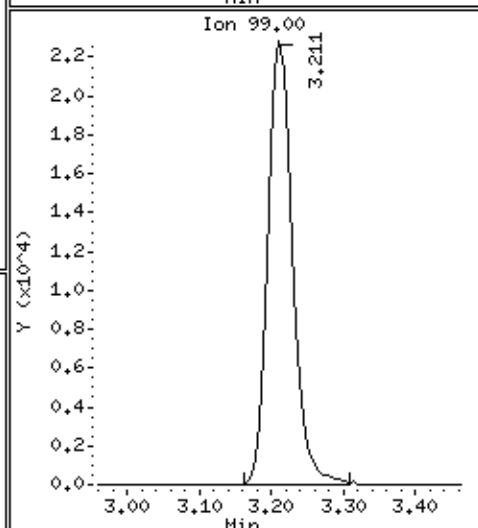
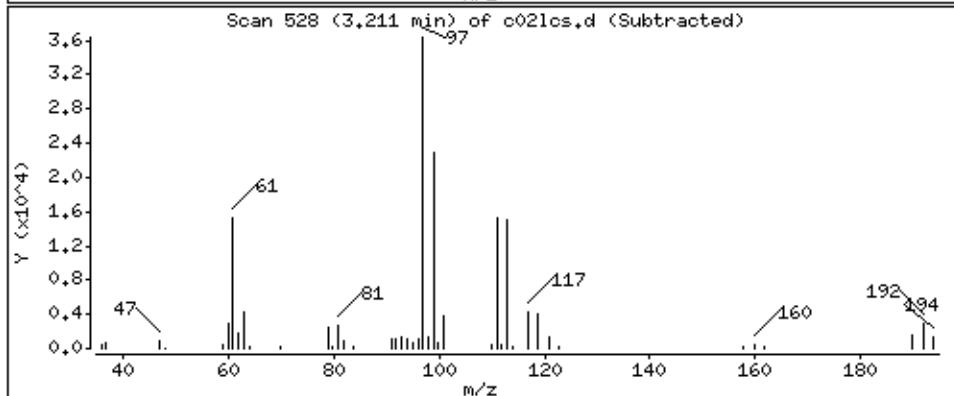
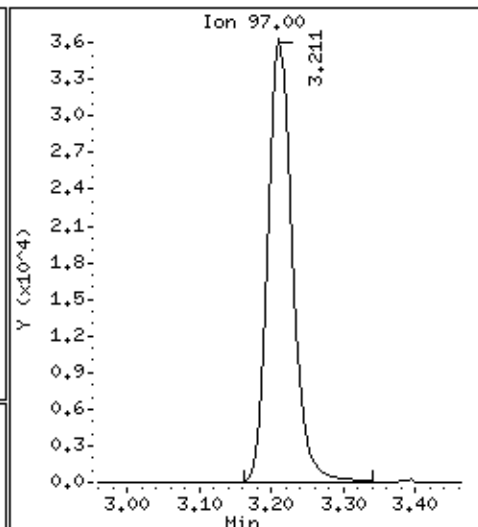
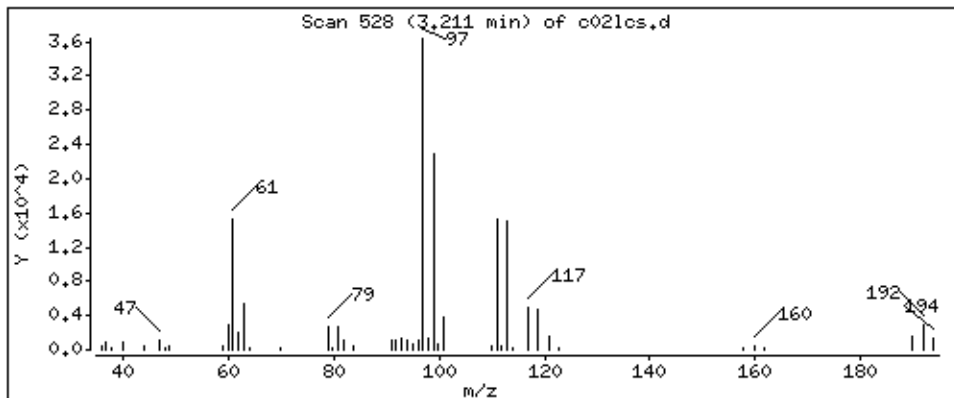
Operator: ala

Column phase: DB-624

Column diameter: 0,18

34 1,1,1-Trichloroethane

Concentration: 51.4 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730;5

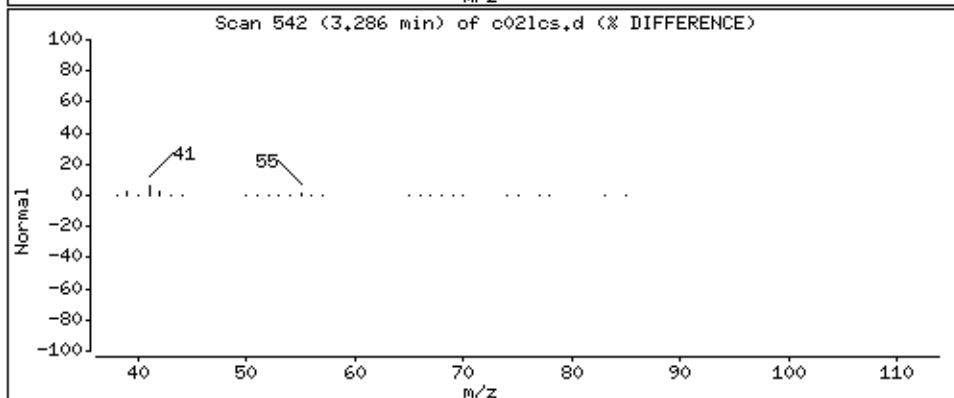
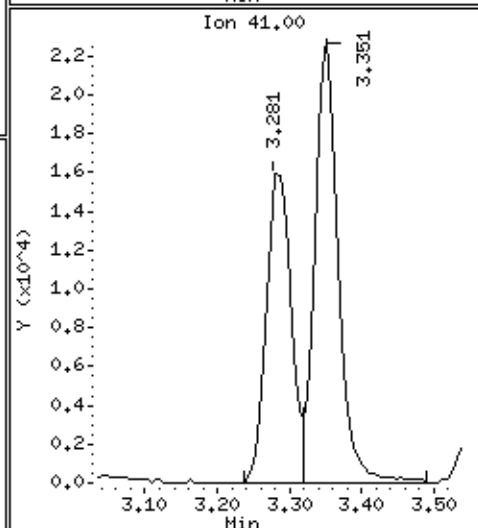
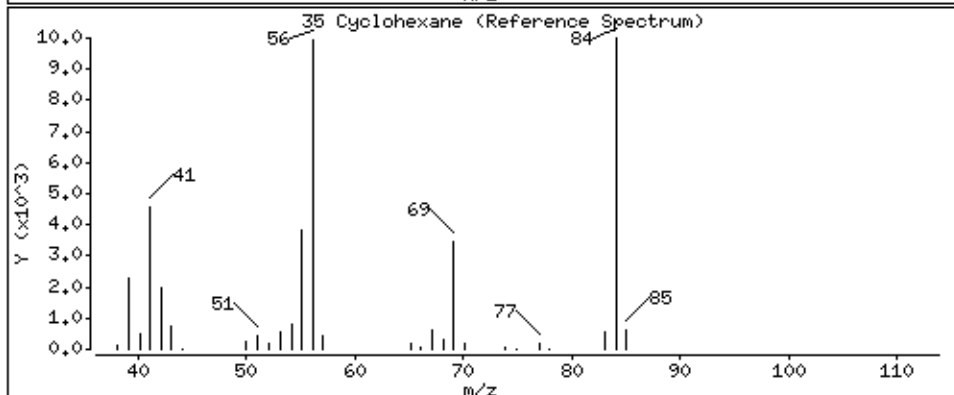
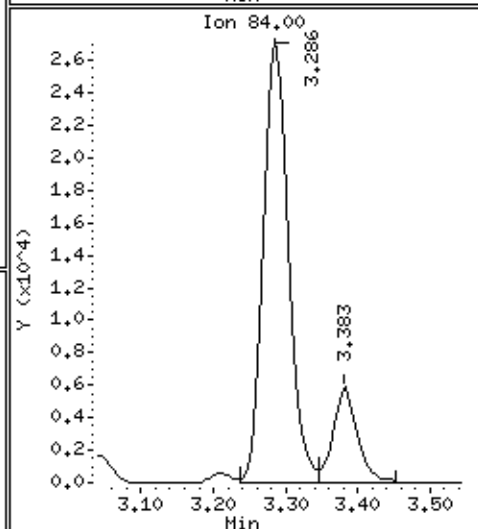
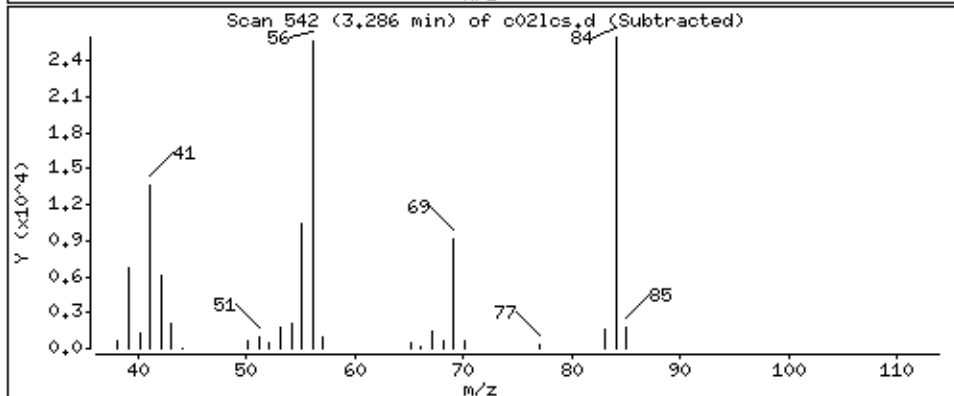
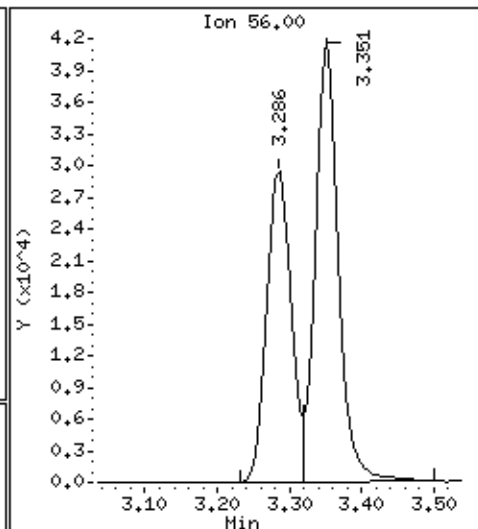
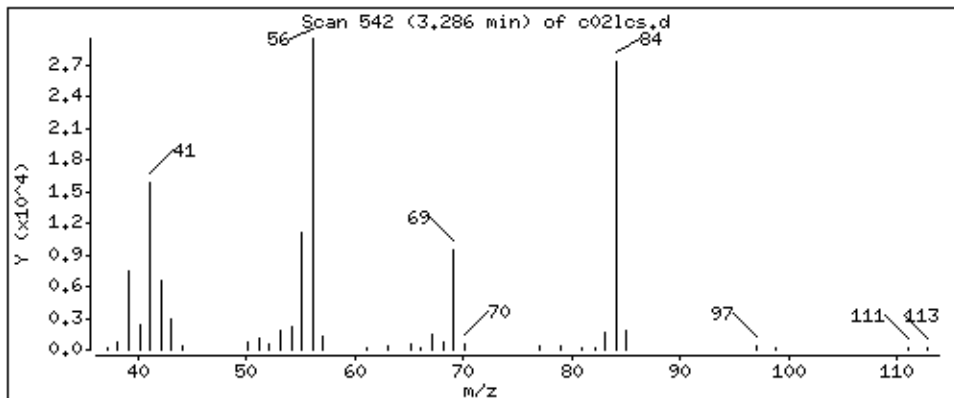
Operator: ala

Column phase: DB-624

Column diameter: 0,18

35 Cyclohexane

Concentration: 41.1 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

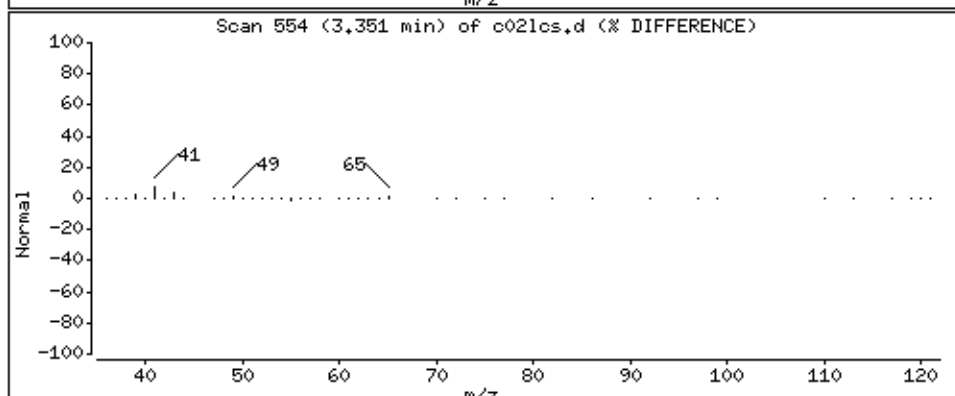
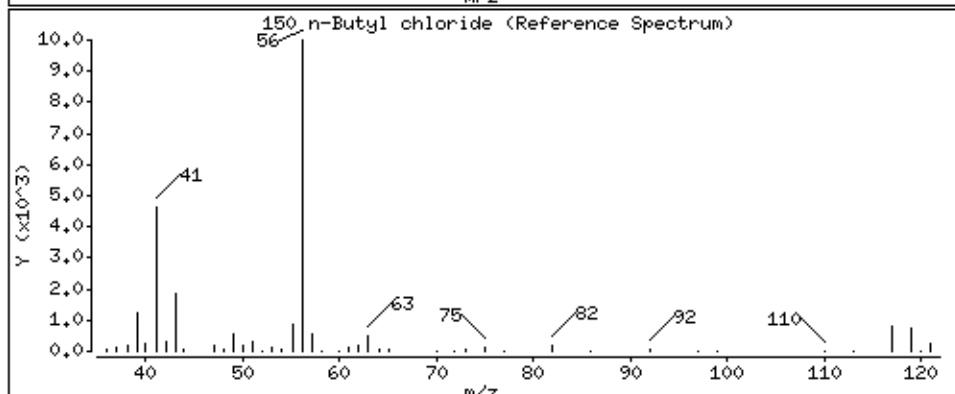
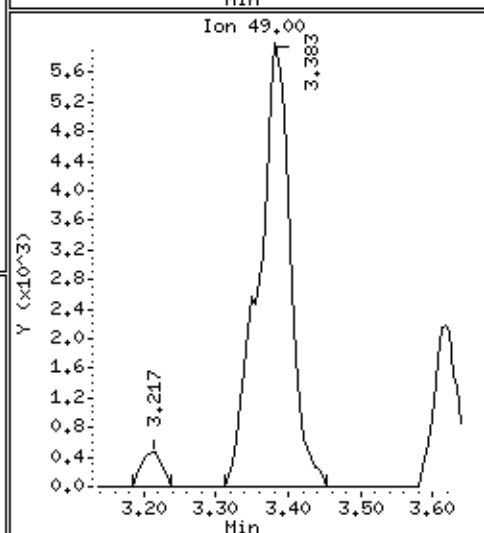
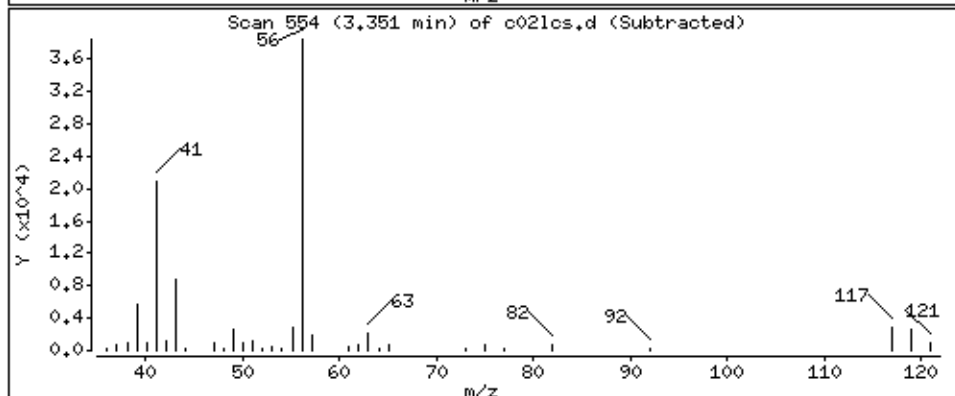
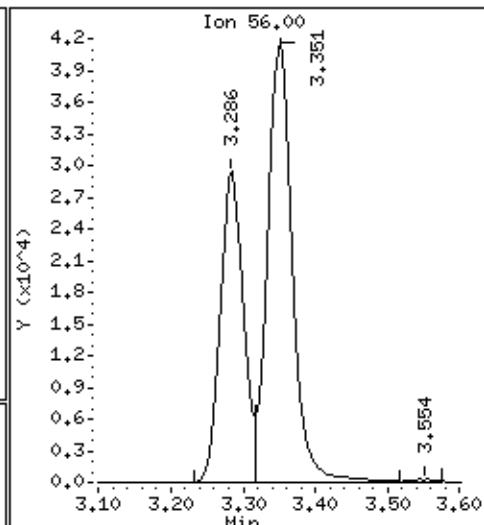
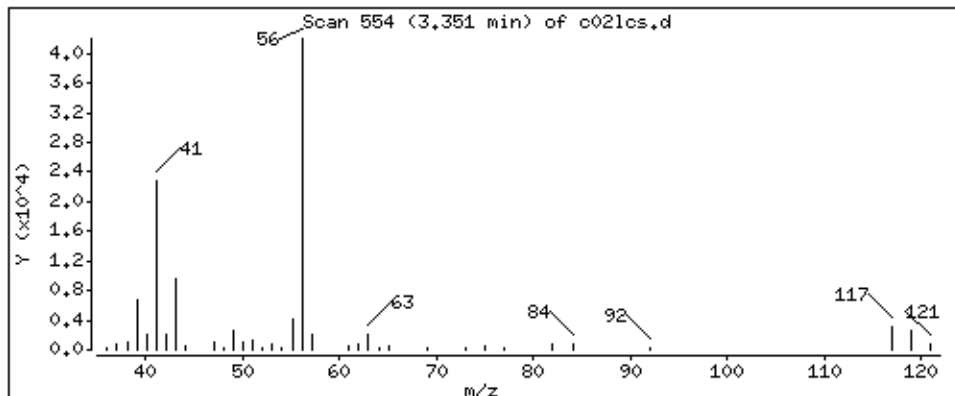
Operator: ala

Column phase: DB-624

Column diameter: 0,18

150 n-Butyl chloride

Concentration: 49,6 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730;5

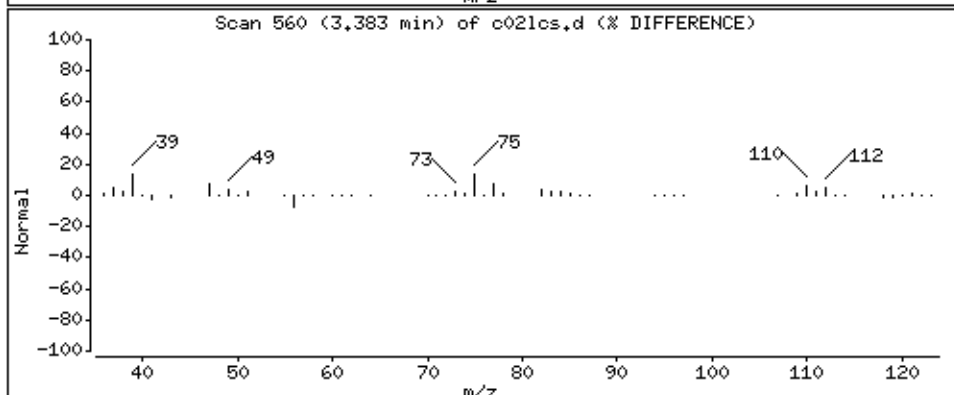
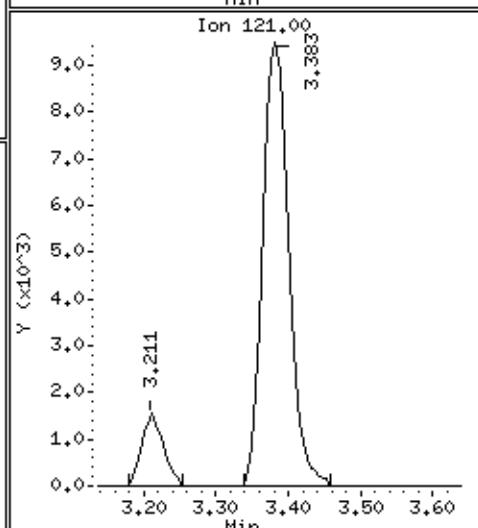
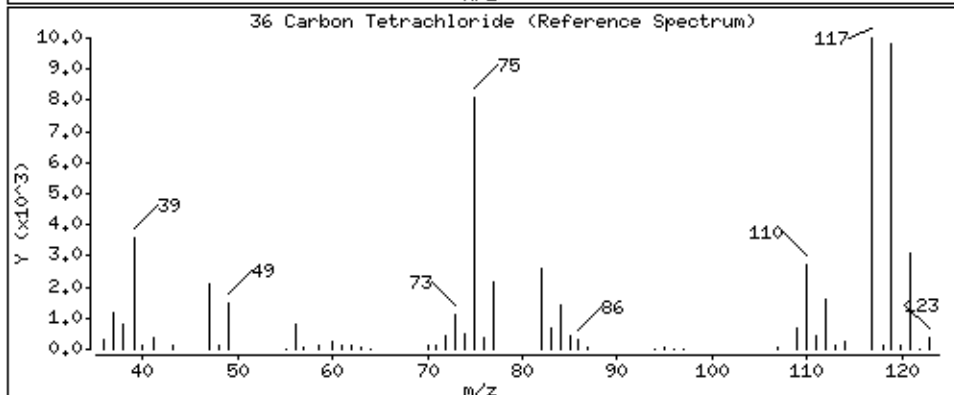
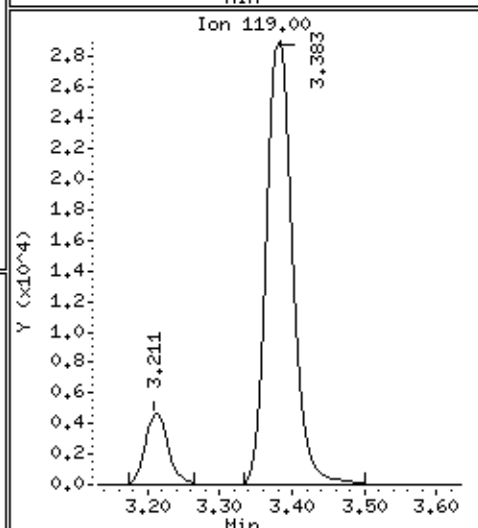
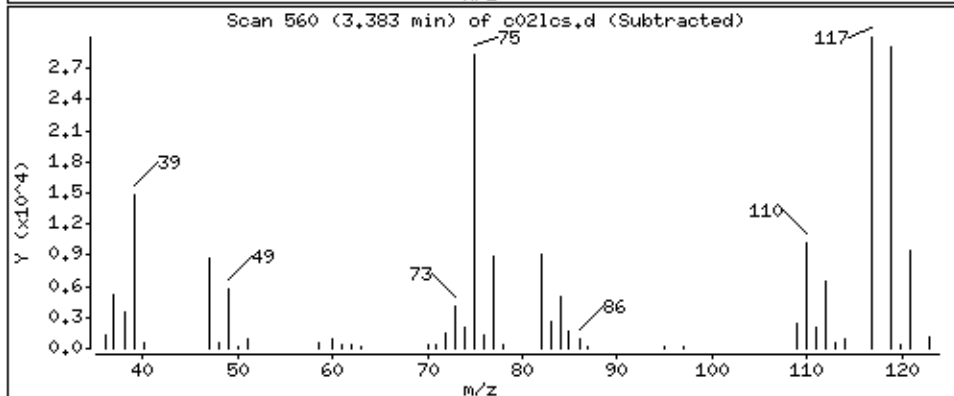
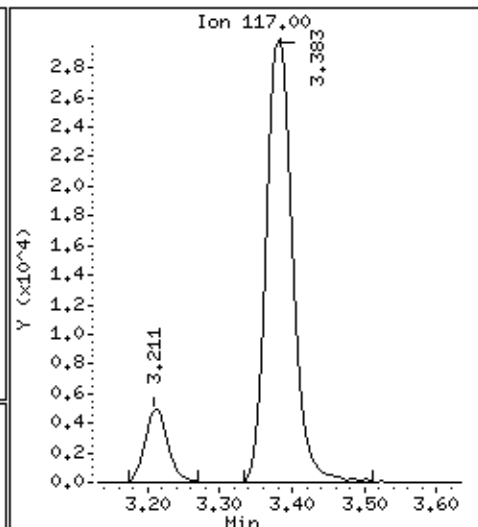
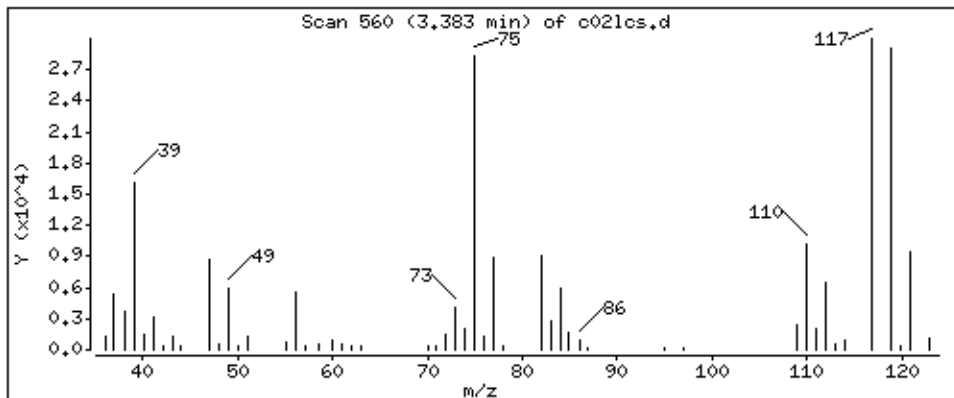
Operator: ala

Column phase: DB-624

Column diameter: 0,18

36 Carbon Tetrachloride

Concentration: 50,3 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730;5

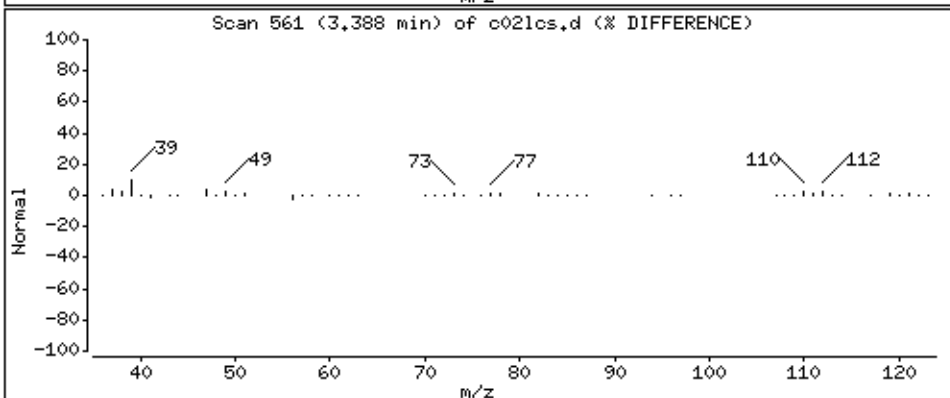
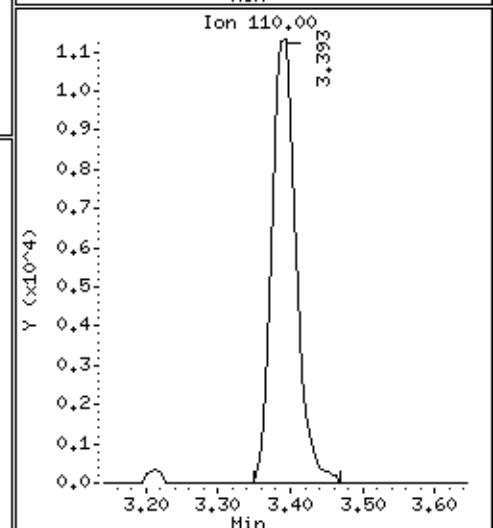
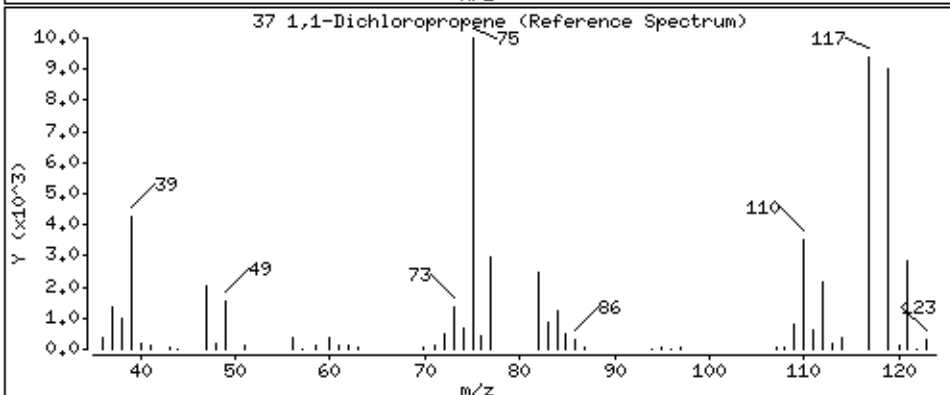
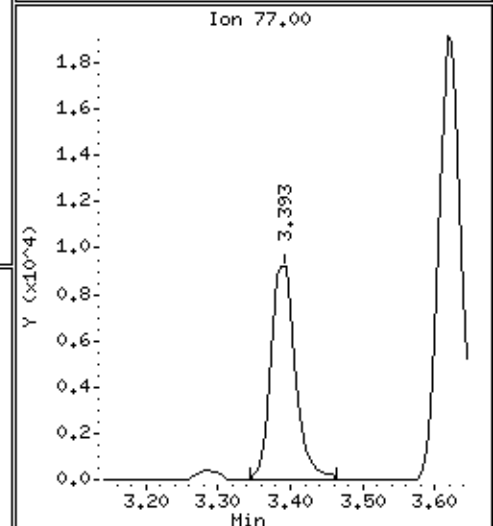
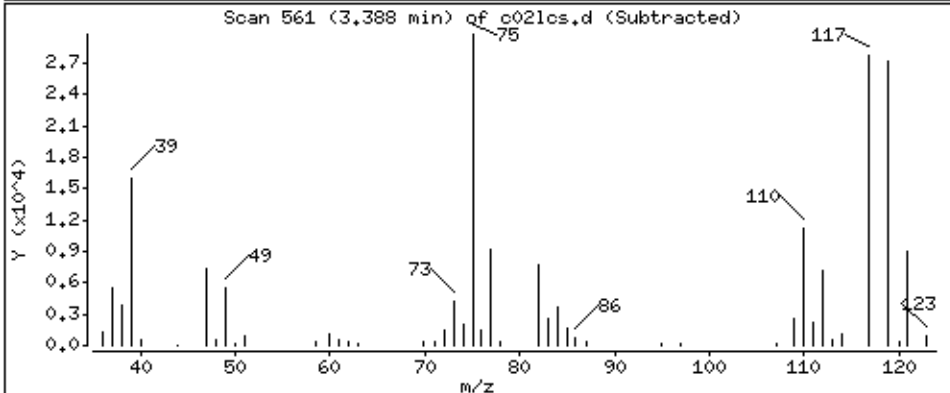
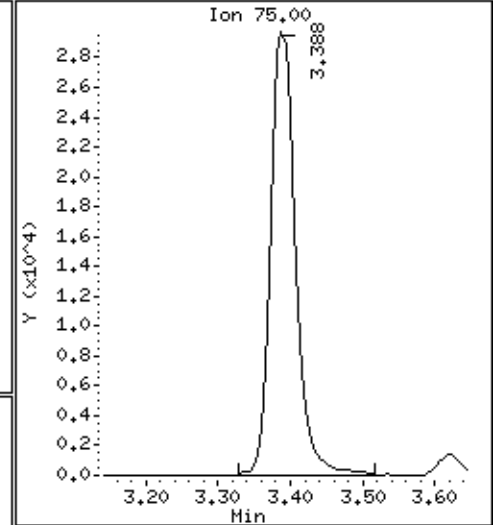
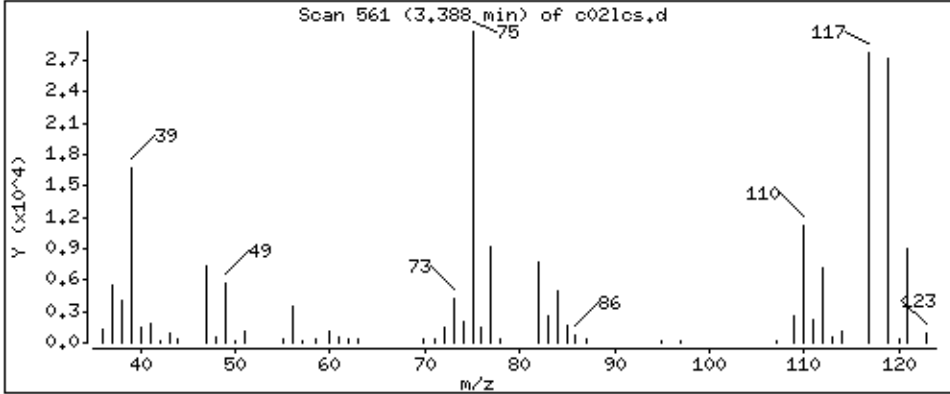
Operator: ala

Column phase: DB-624

Column diameter: 0,18

37 1,1-Dichloropropene

Concentration: 49,4 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730;5

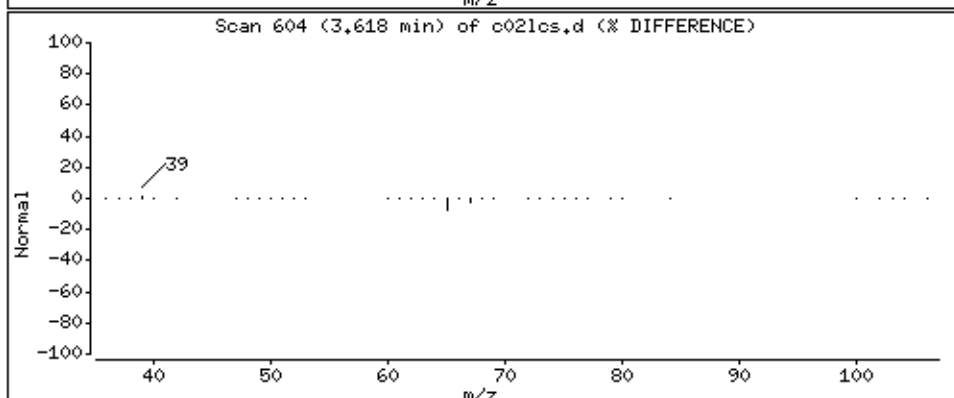
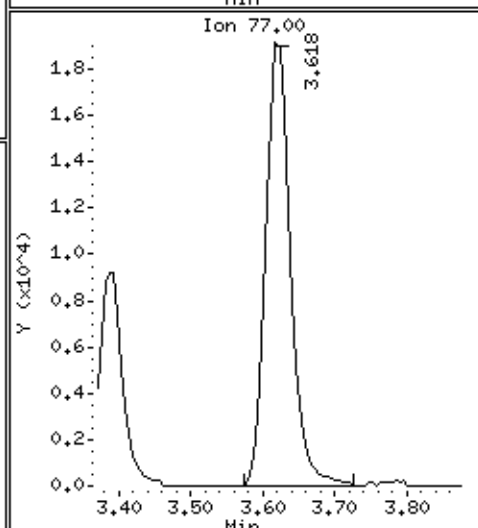
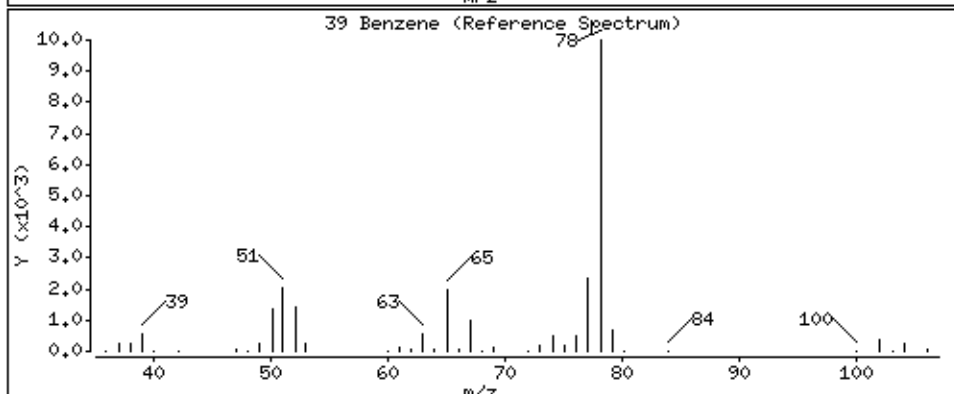
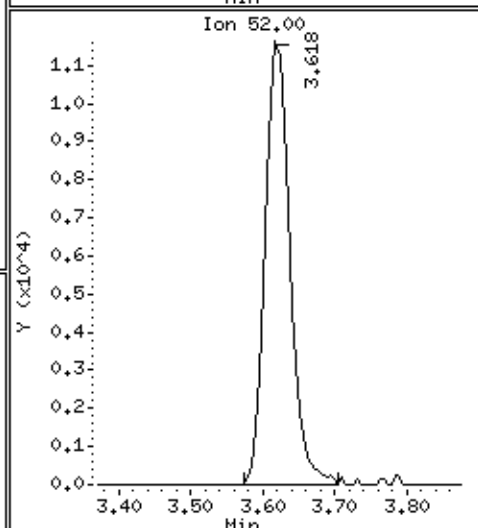
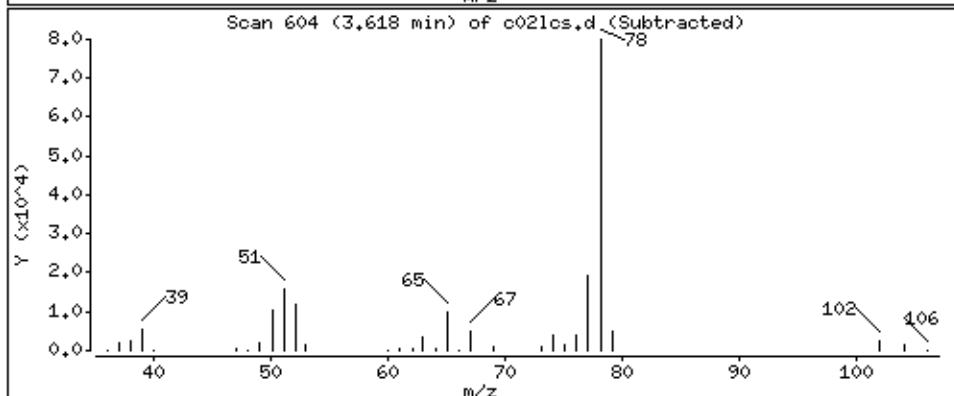
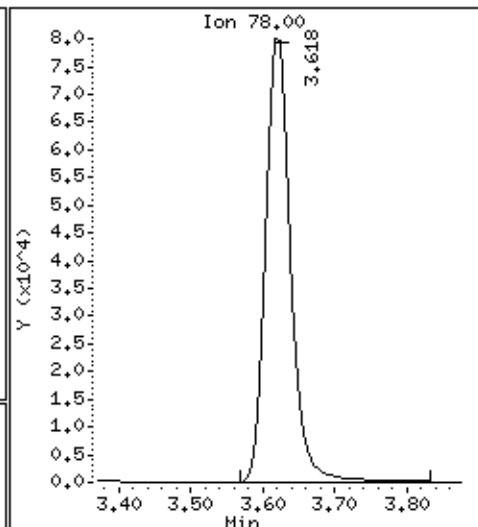
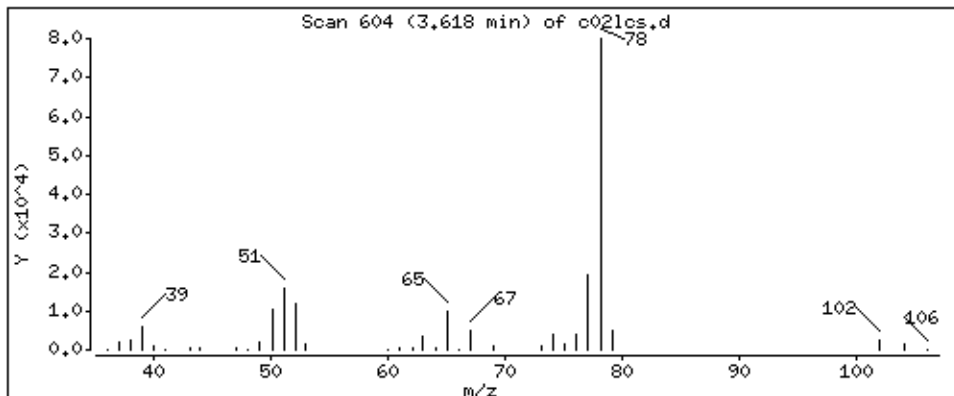
Operator: ala

Column phase: DB-624

Column diameter: 0,18

39 Benzene

Concentration: 48,5 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

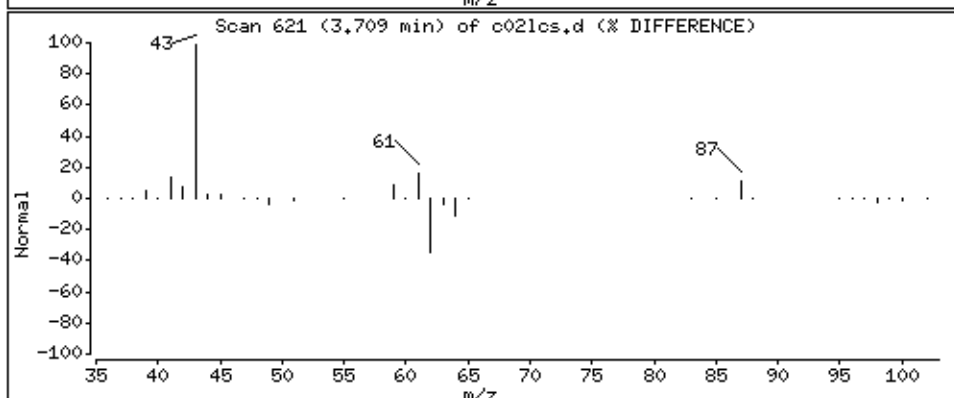
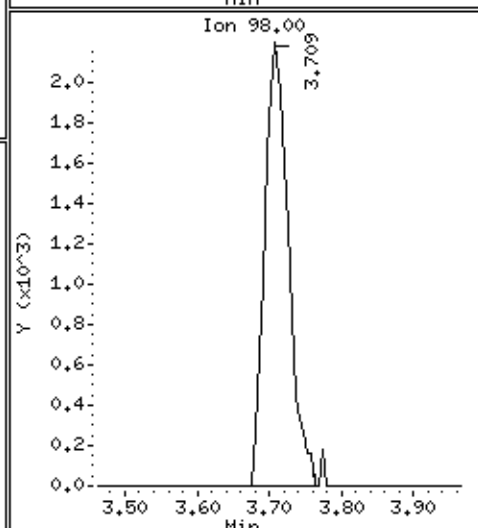
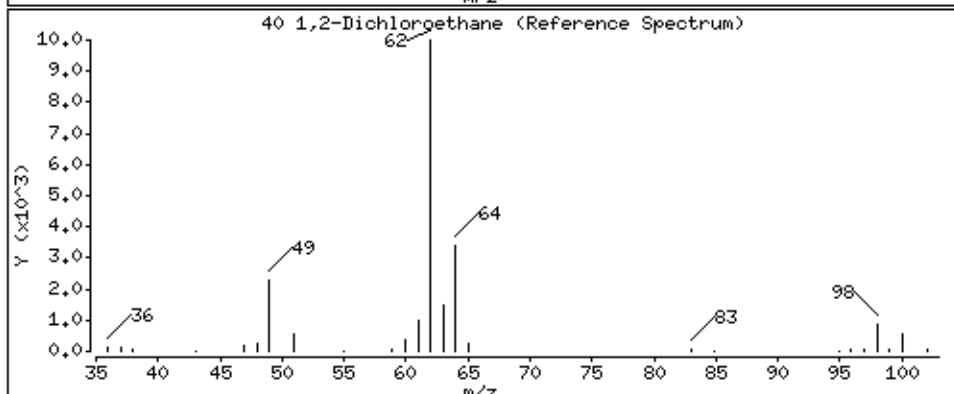
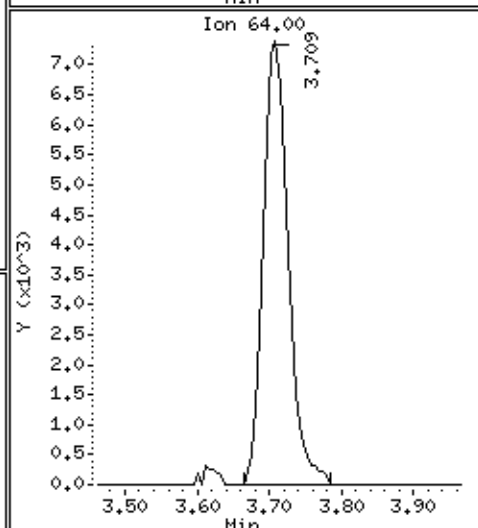
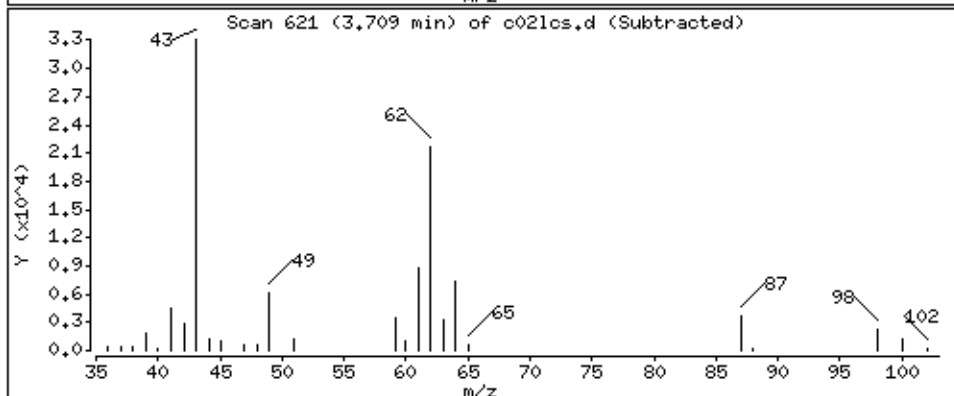
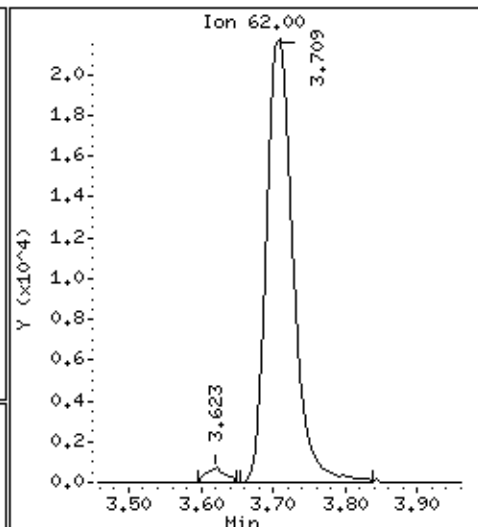
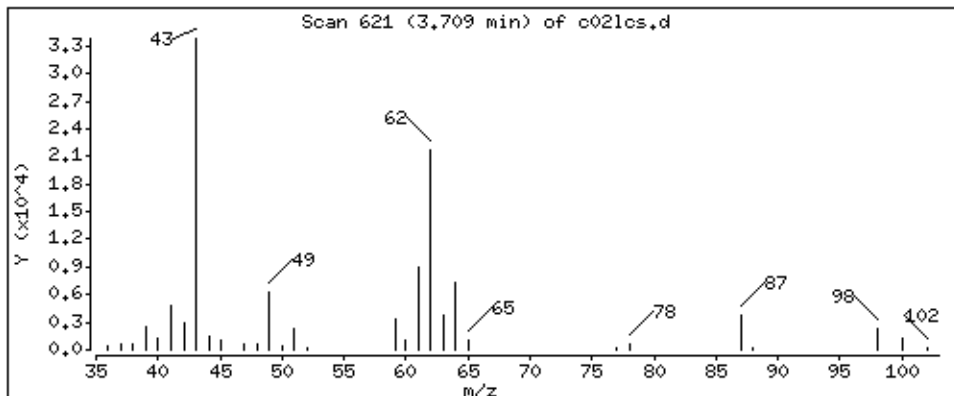
Operator: ala

Column phase: DB-624

Column diameter: 0,18

40 1,2-Dichloroethane

Concentration: 47.7 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

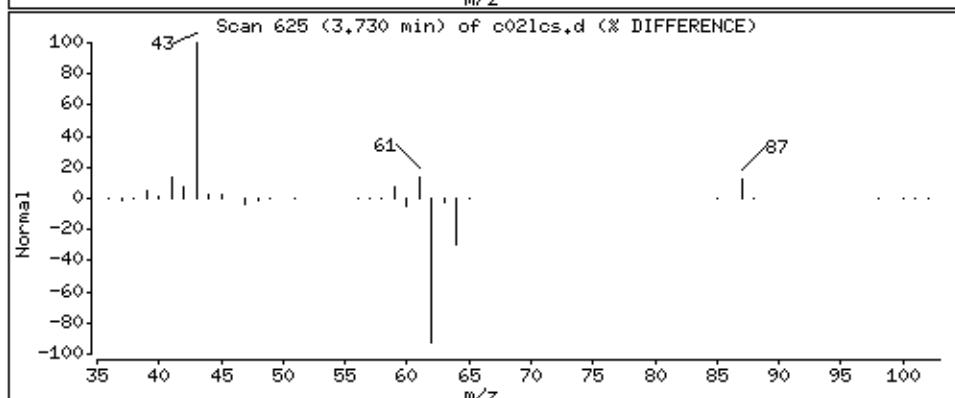
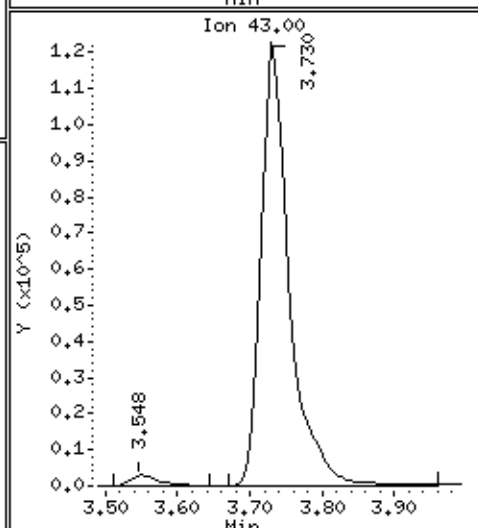
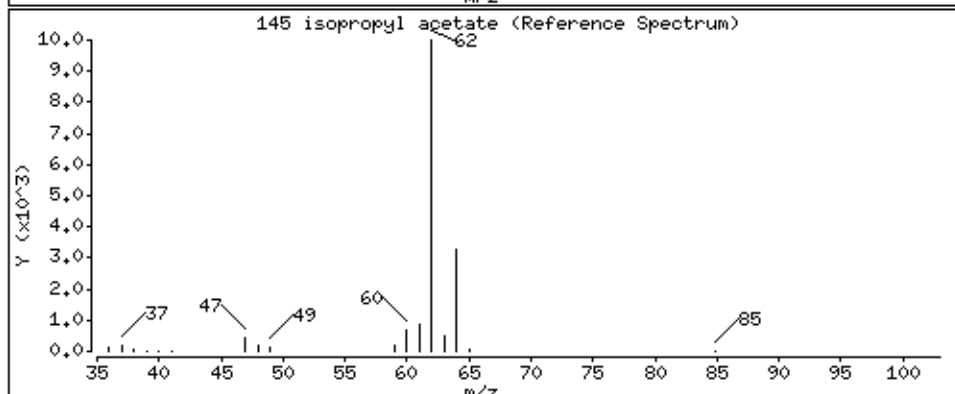
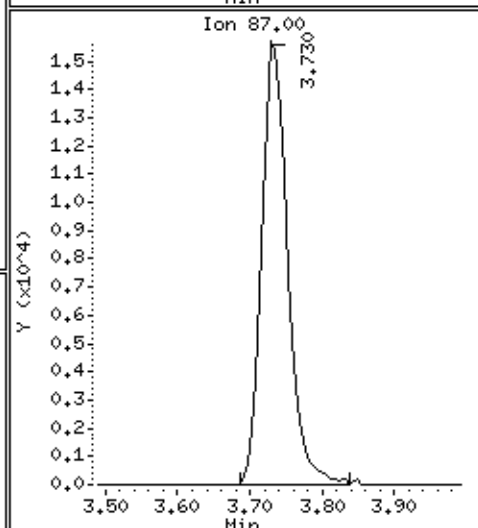
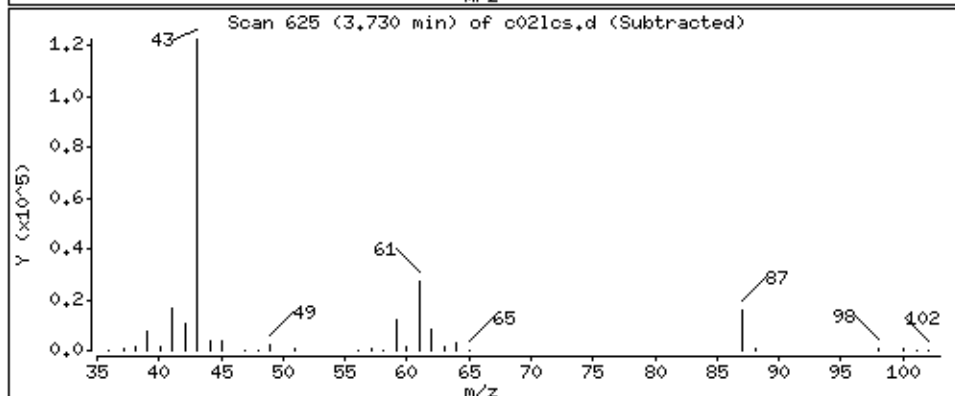
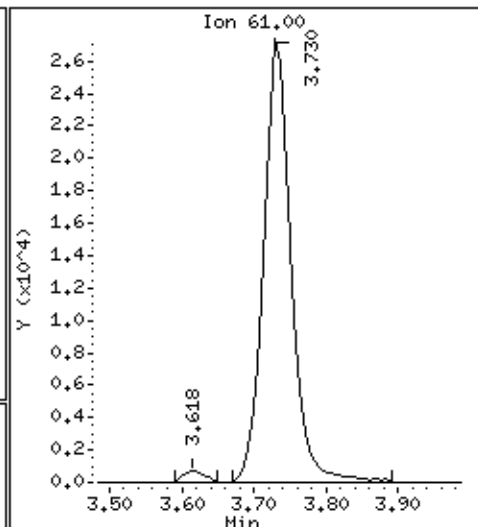
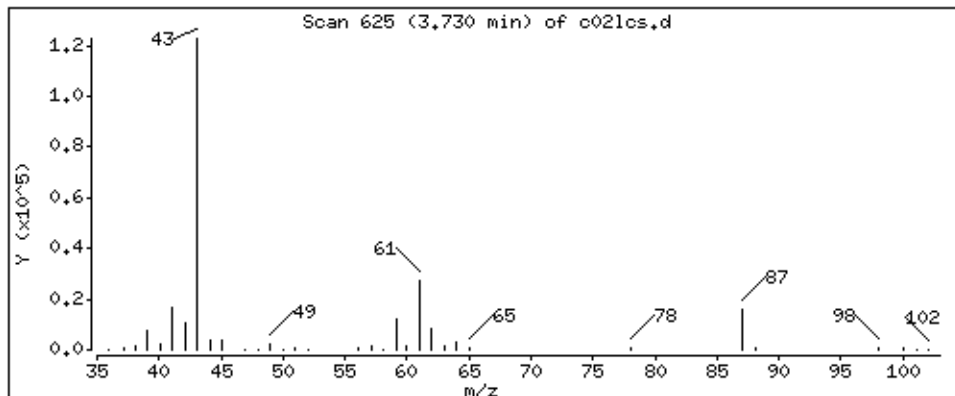
Operator: ala

Column phase: DB-624

Column diameter: 0,18

145 isopropyl acetate

Concentration: 246 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

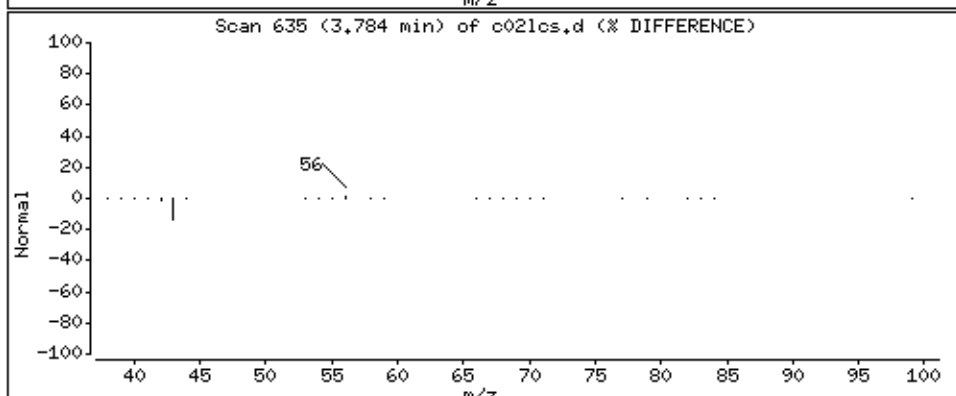
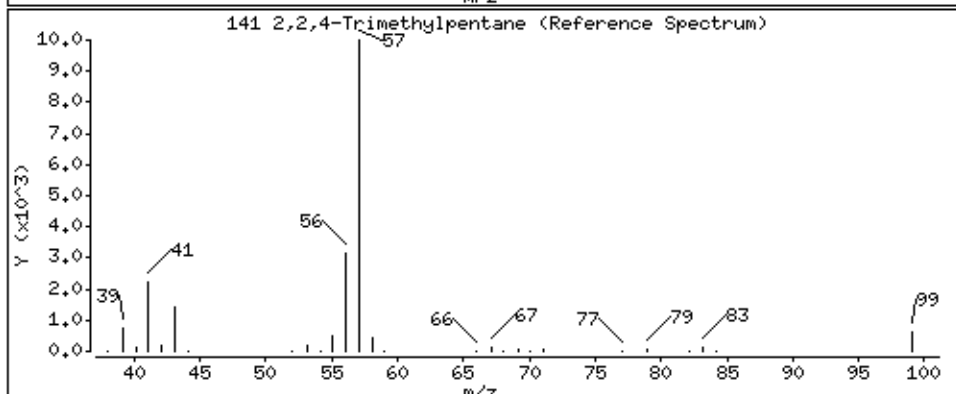
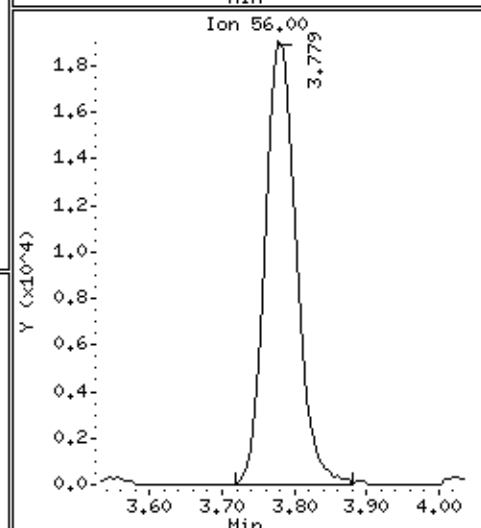
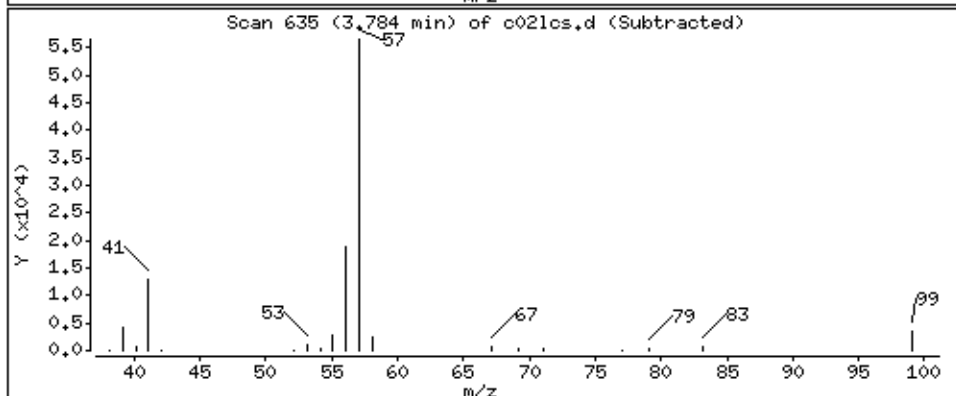
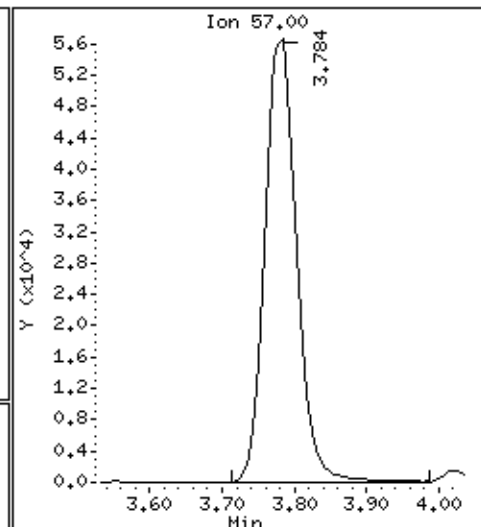
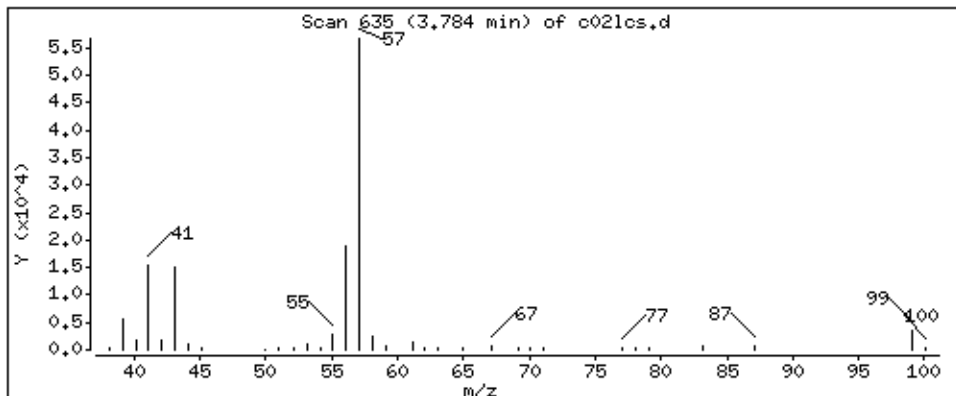
Operator: ala

Column phase: DB-624

Column diameter: 0,18

141 2,2,4-Trimethylpentane

Concentration: 50,9 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

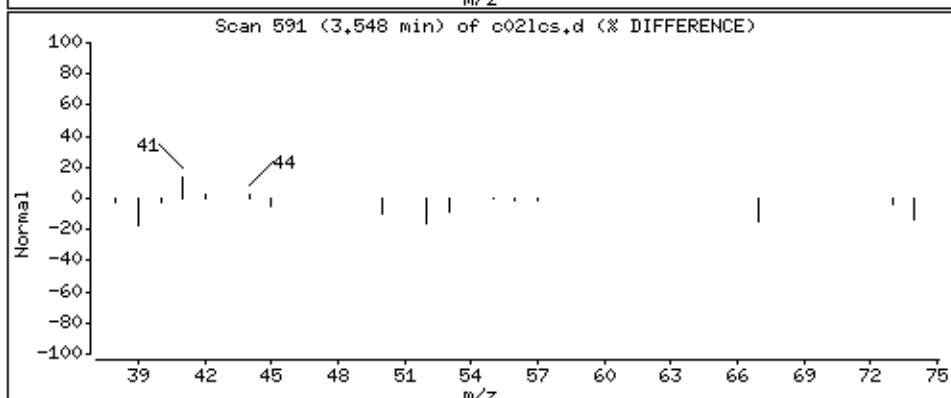
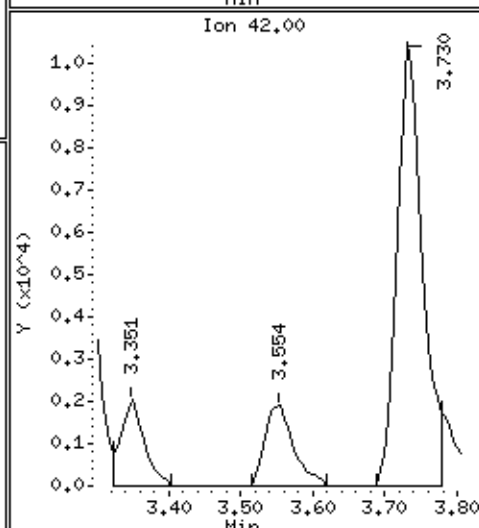
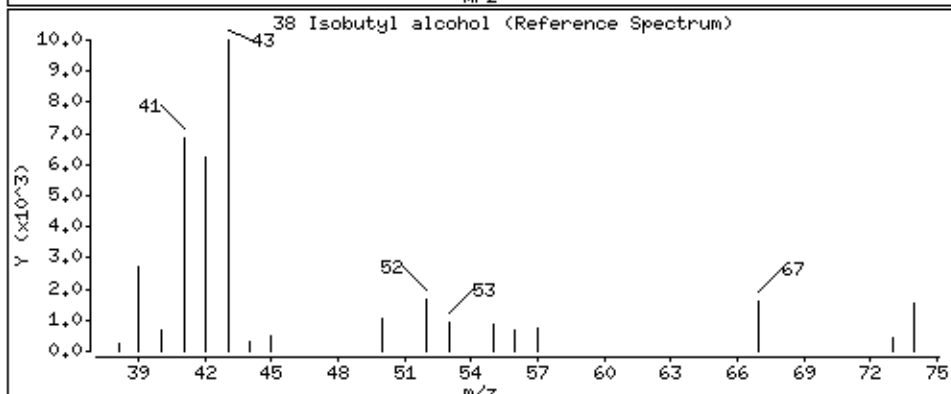
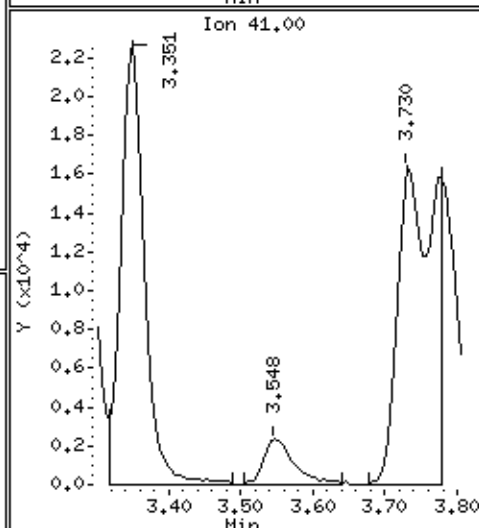
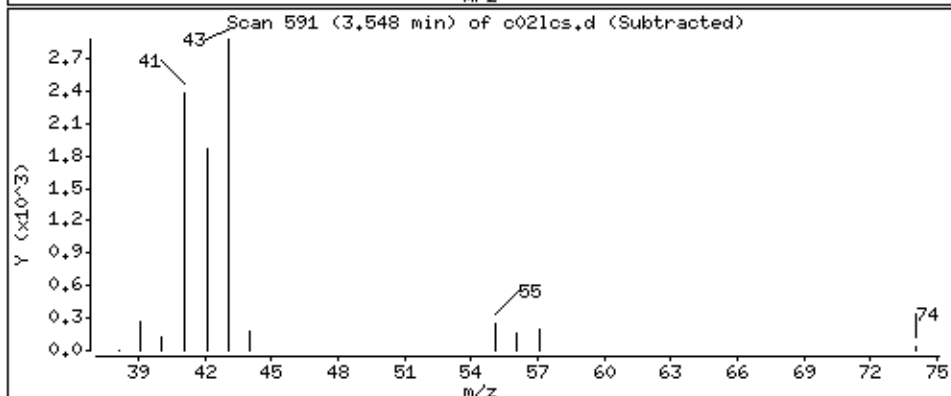
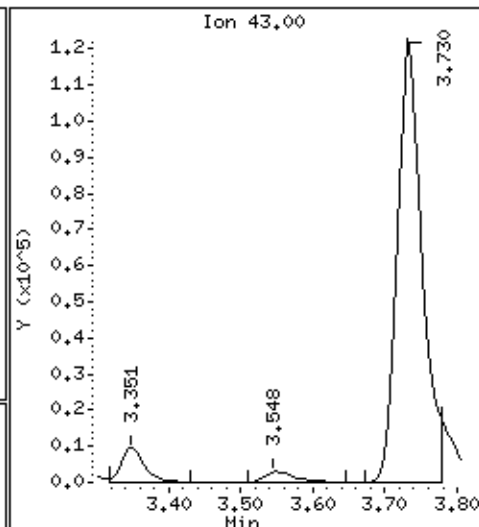
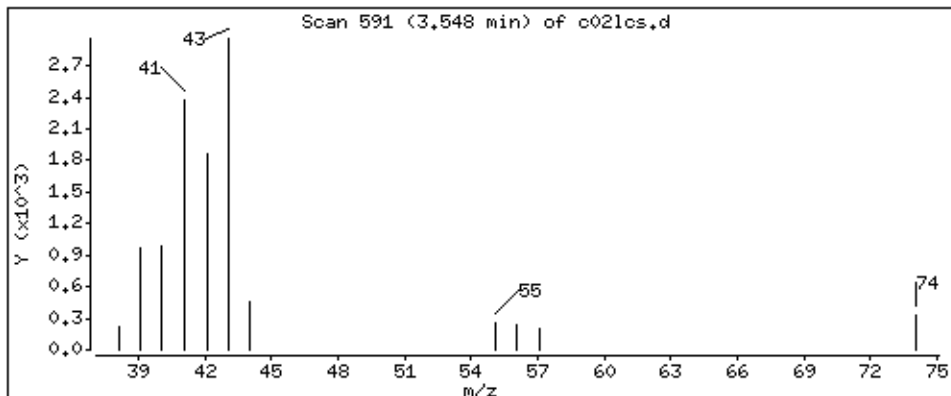
Operator: ala

Column phase: DB-624

Column diameter: 0,18

38 Isobutyl alcohol

Concentration: 189 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

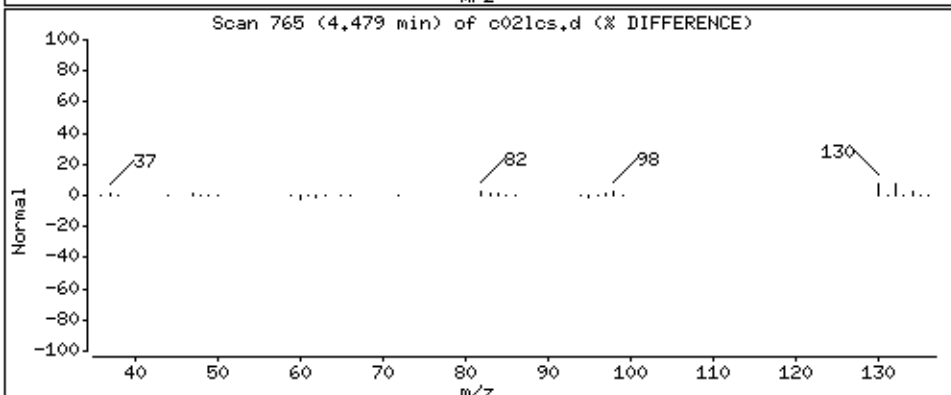
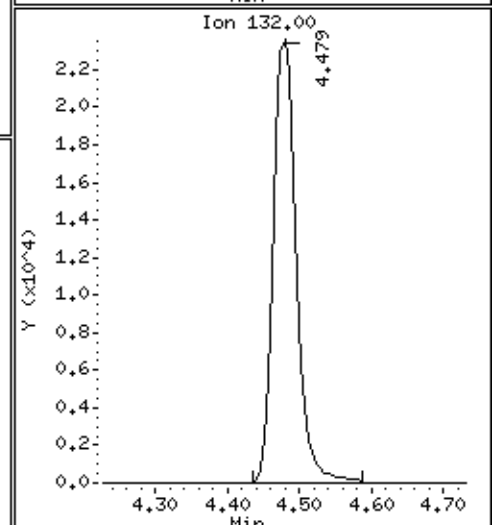
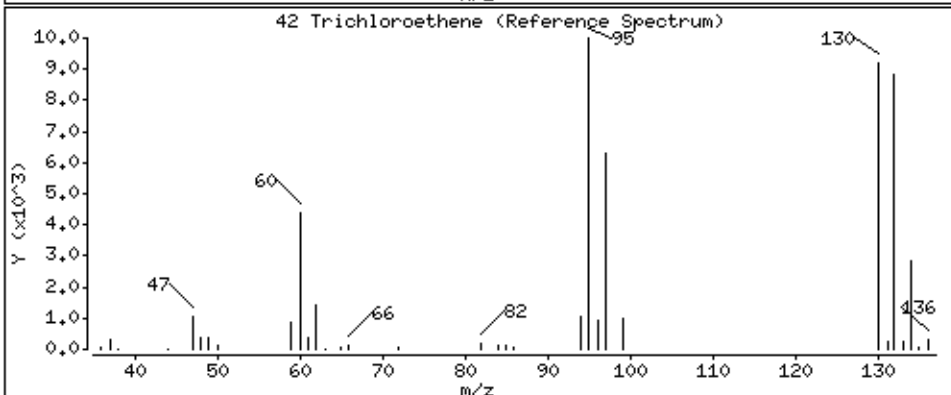
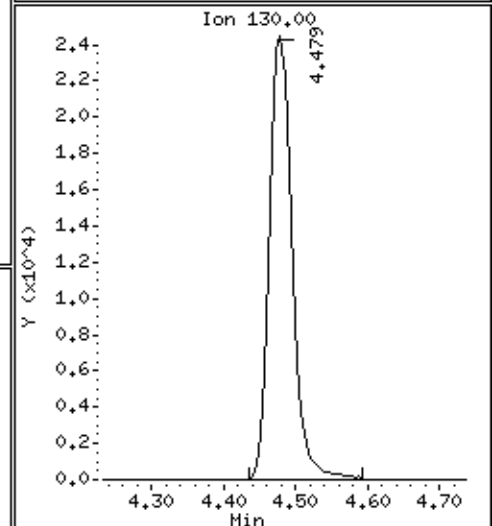
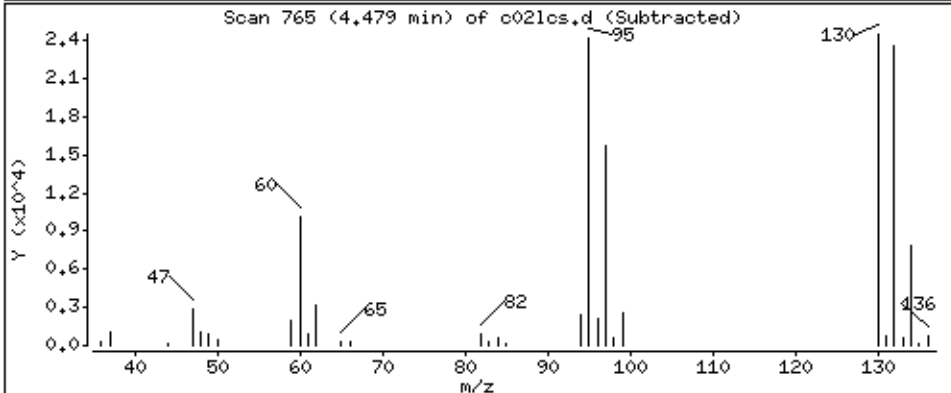
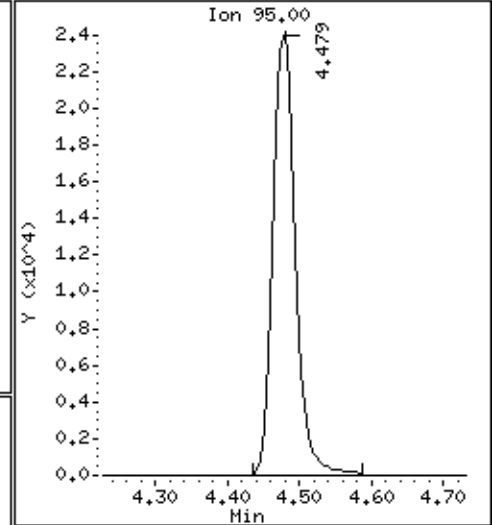
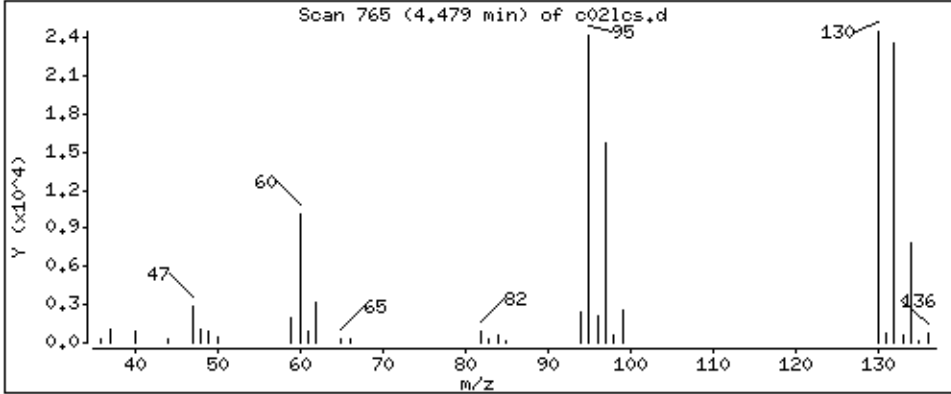
Operator: ala

Column phase: DB-624

Column diameter: 0,18

42 Trichloroethene

Concentration: 49,5 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

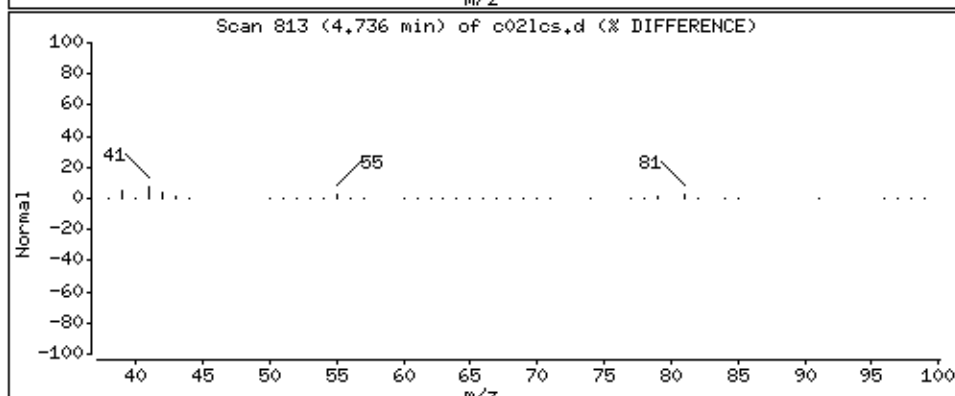
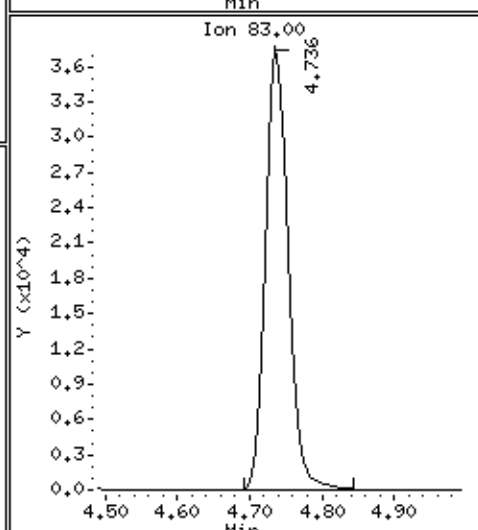
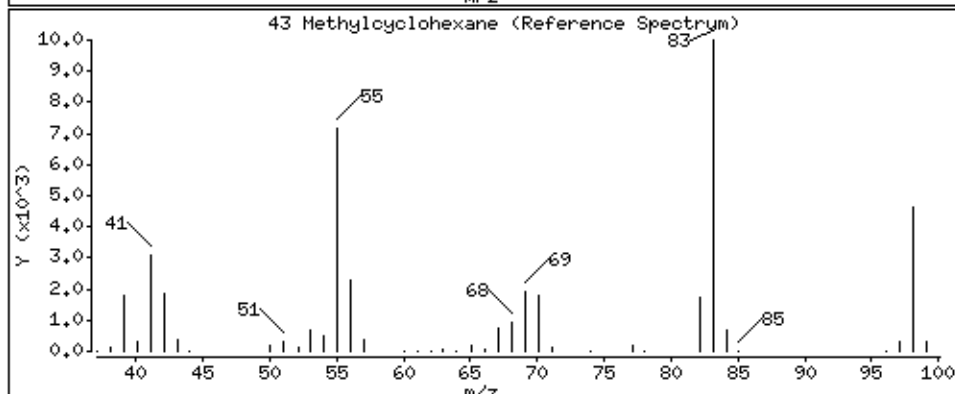
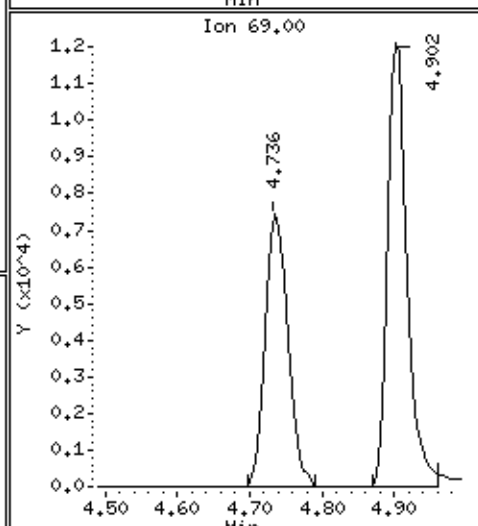
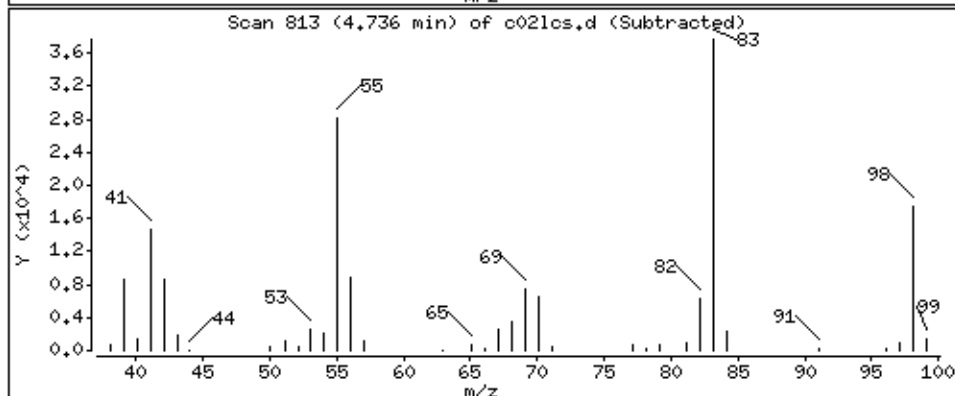
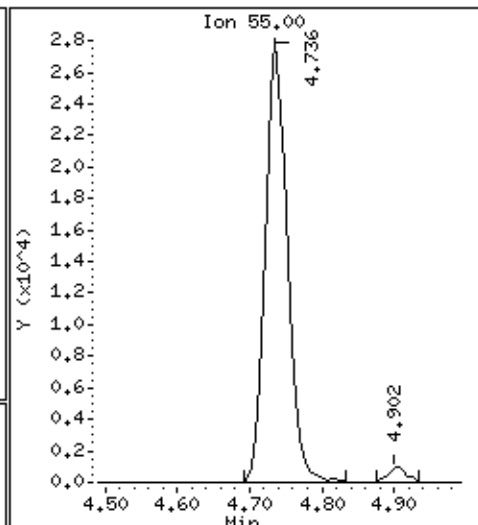
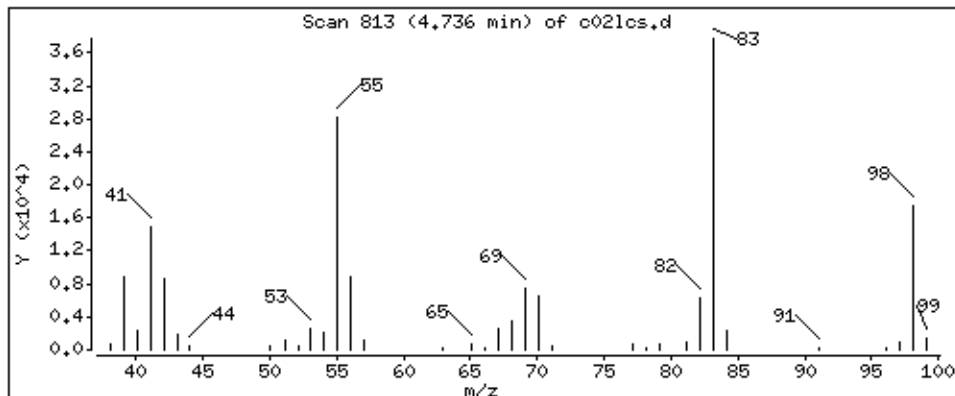
Operator: ala

Column phase: DB-624

Column diameter: 0,18

43 Methylcyclohexane

Concentration: 42.1 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

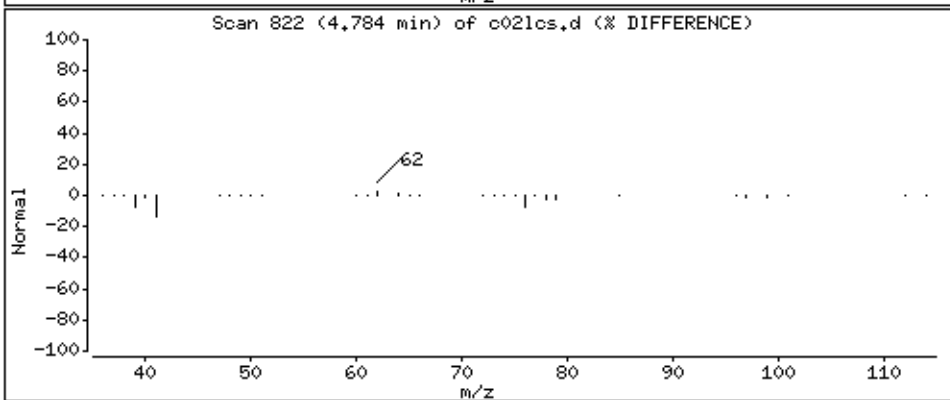
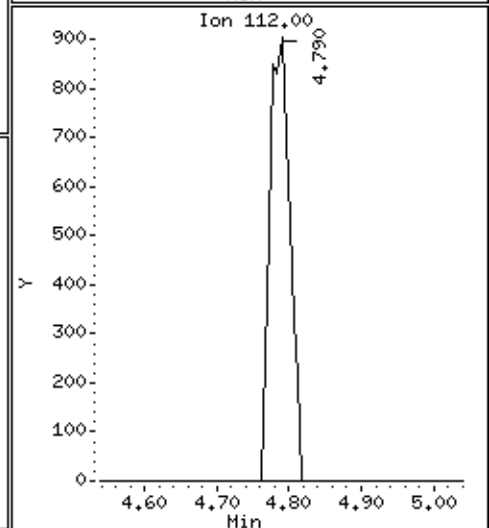
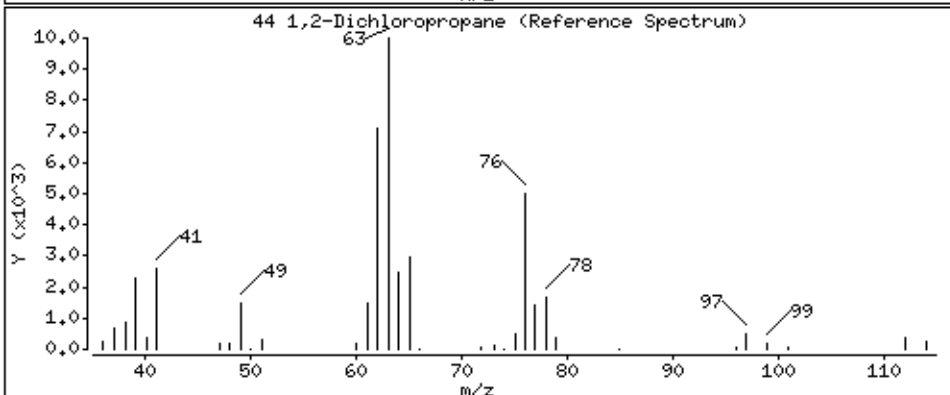
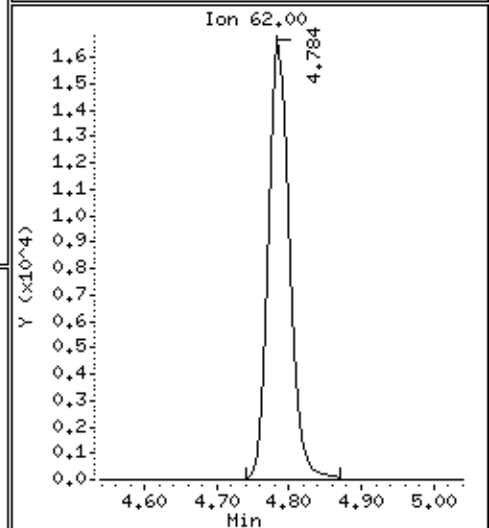
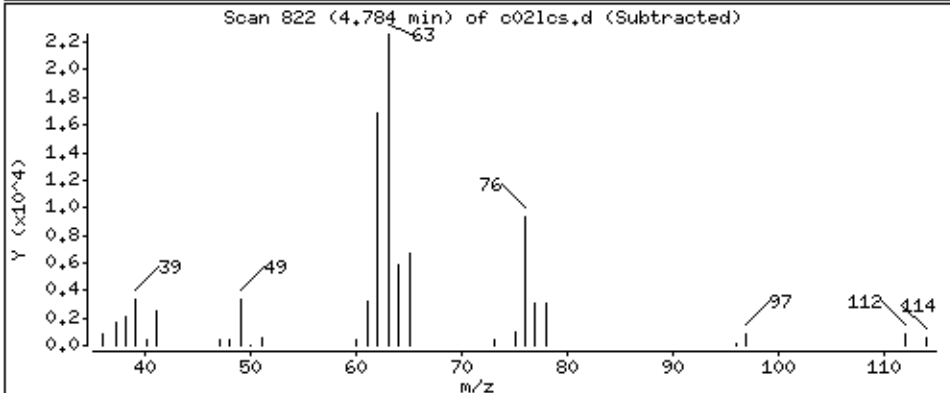
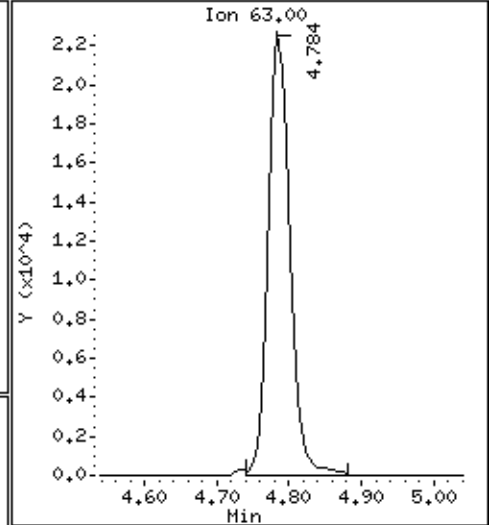
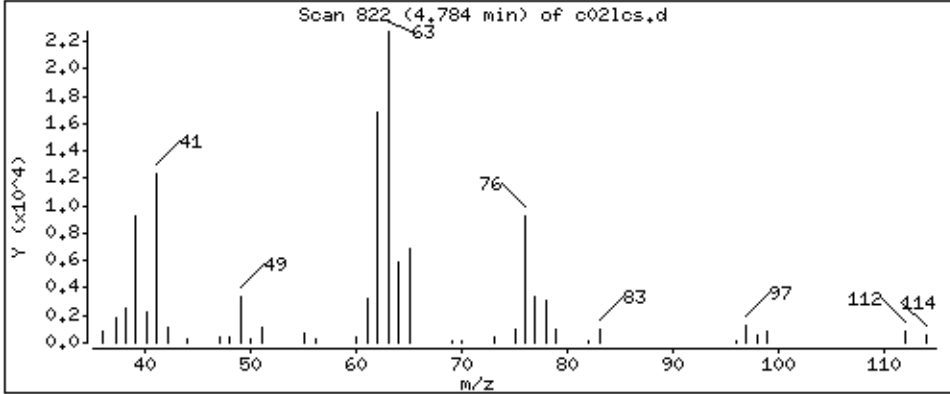
Operator: ala

Column phase: DB-624

Column diameter: 0,18

44 1,2-Dichloropropane

Concentration: 48,8 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730;5

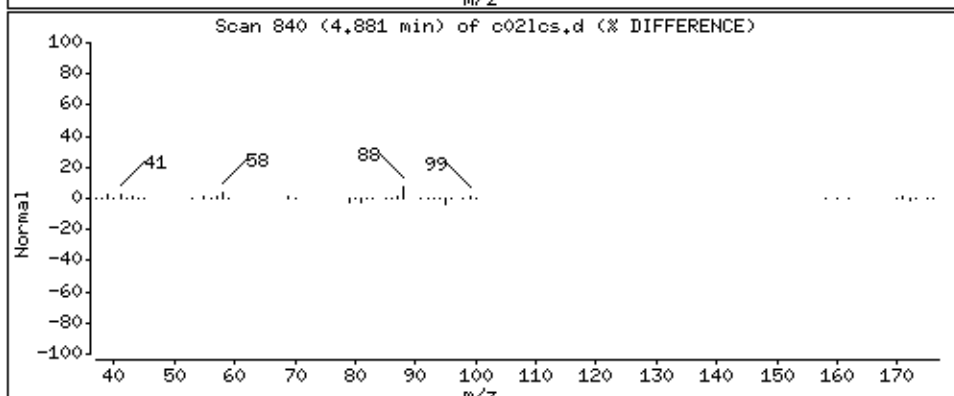
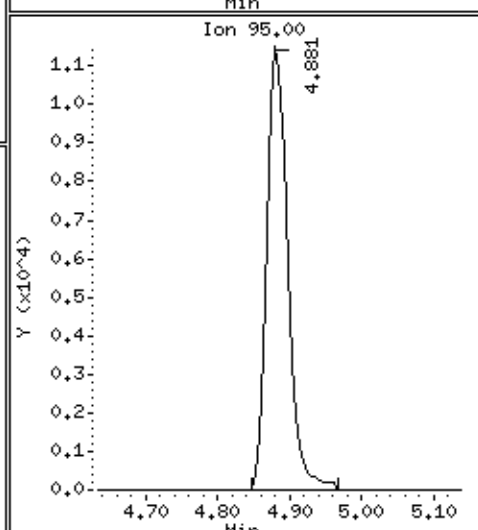
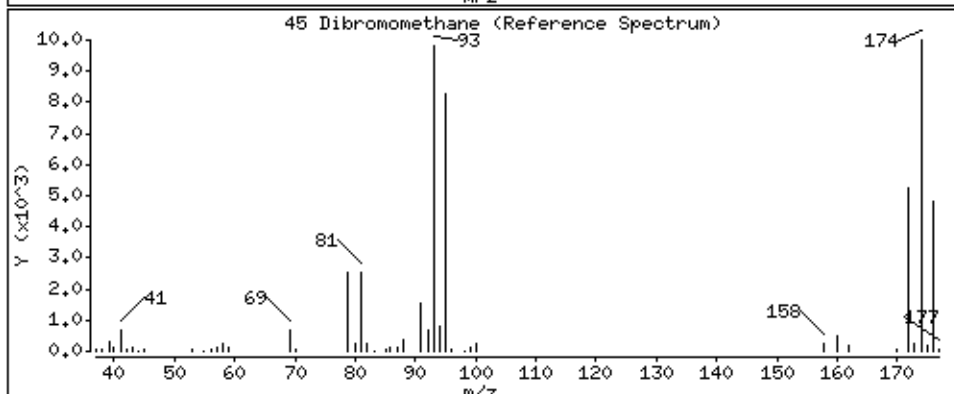
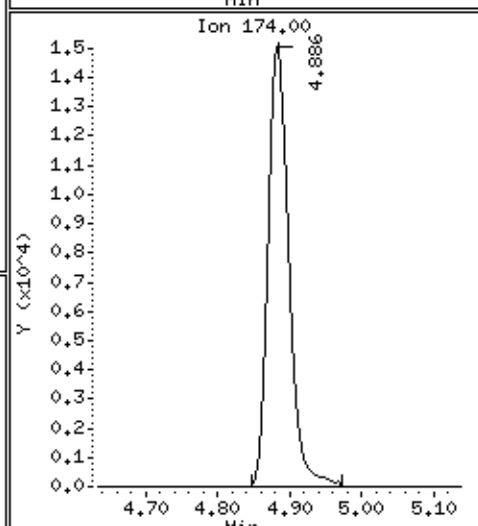
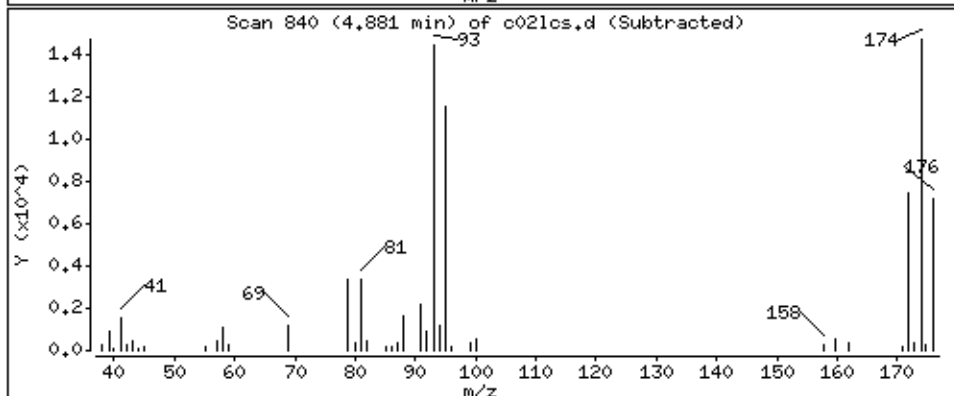
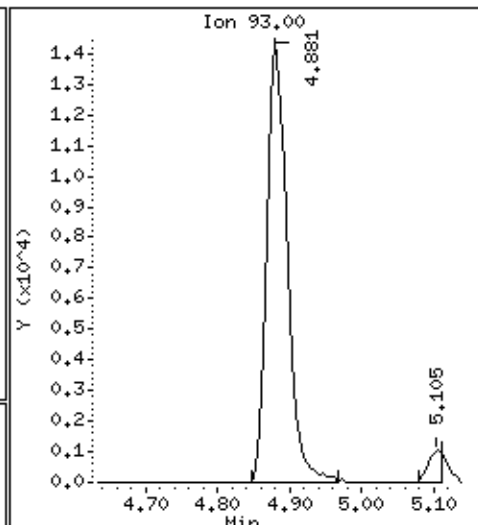
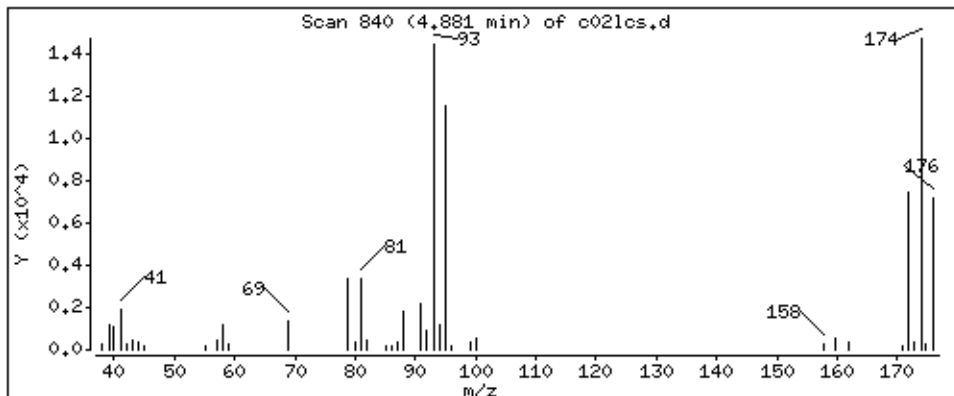
Operator: ala

Column phase: DB-624

Column diameter: 0,18

45 Dibromomethane

Concentration: 51,0 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

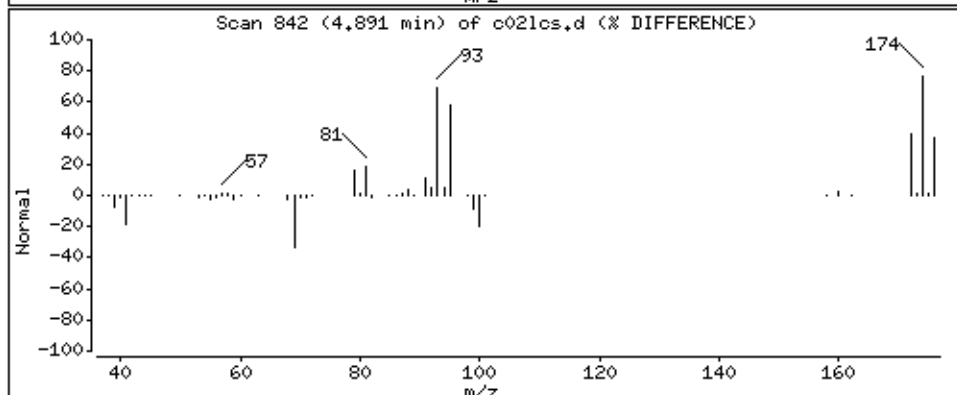
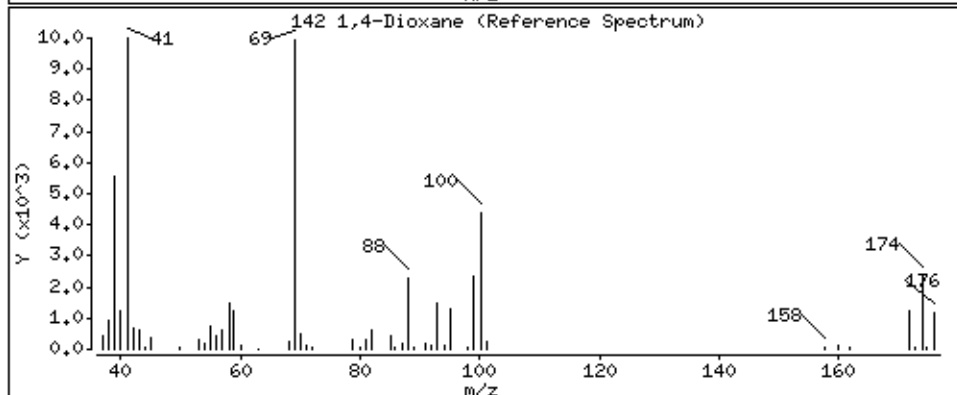
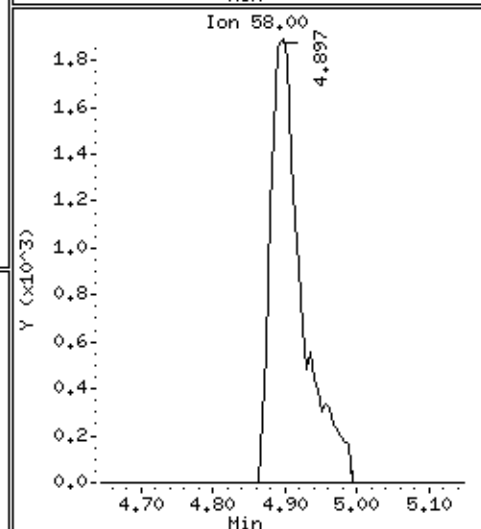
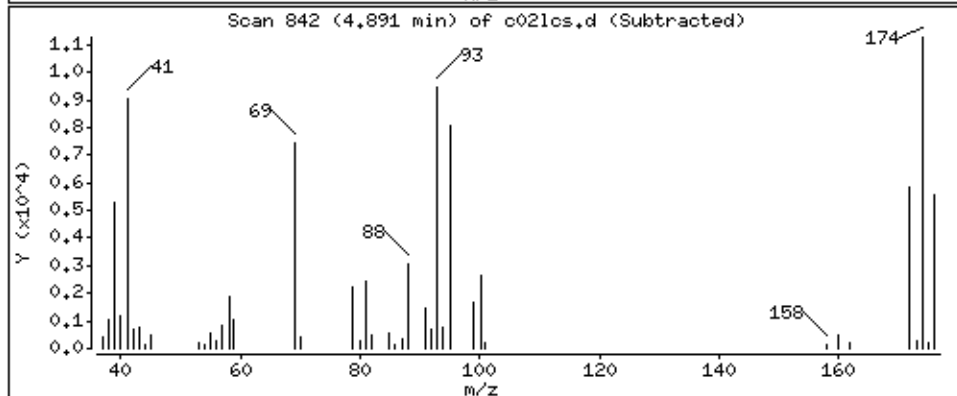
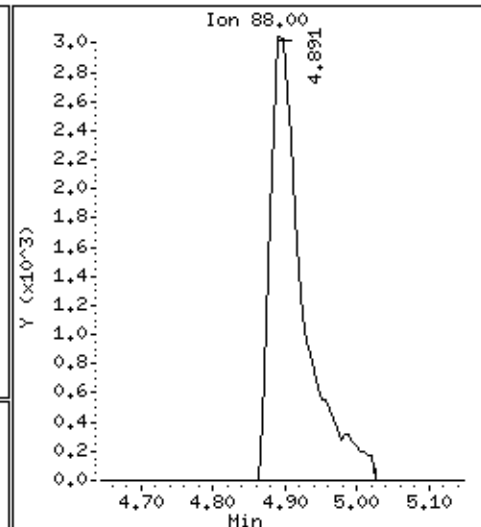
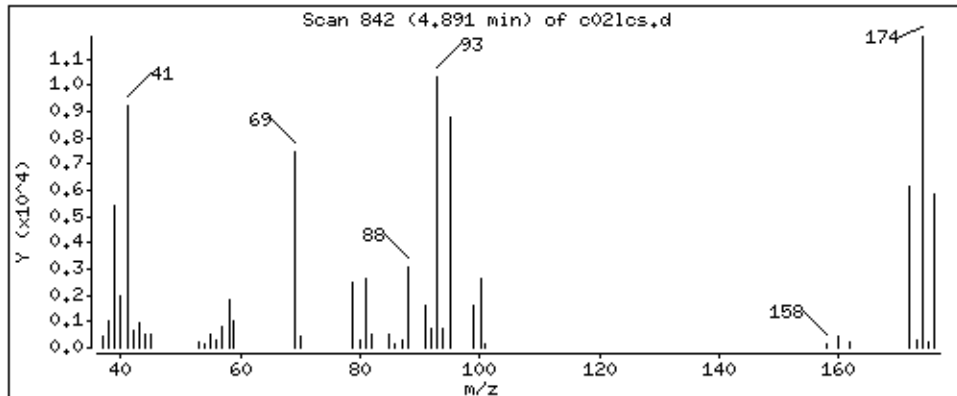
Operator: ala

Column phase: DB-624

Column diameter: 0,18

142 1,4-Dioxane

Concentration: 836 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730;5

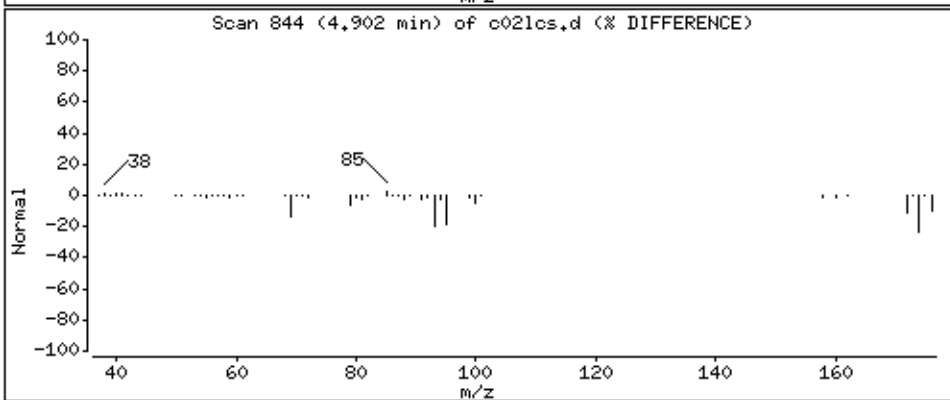
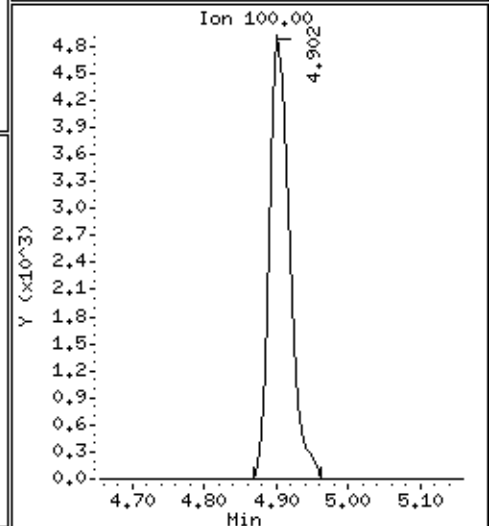
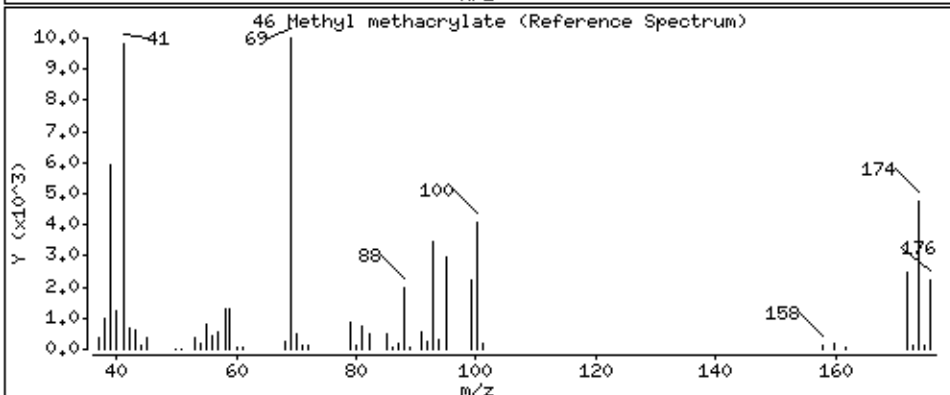
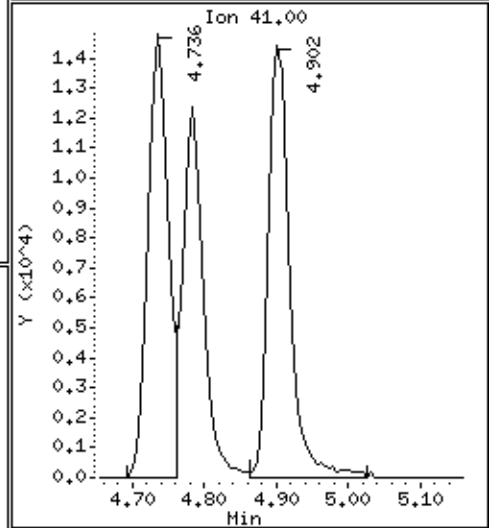
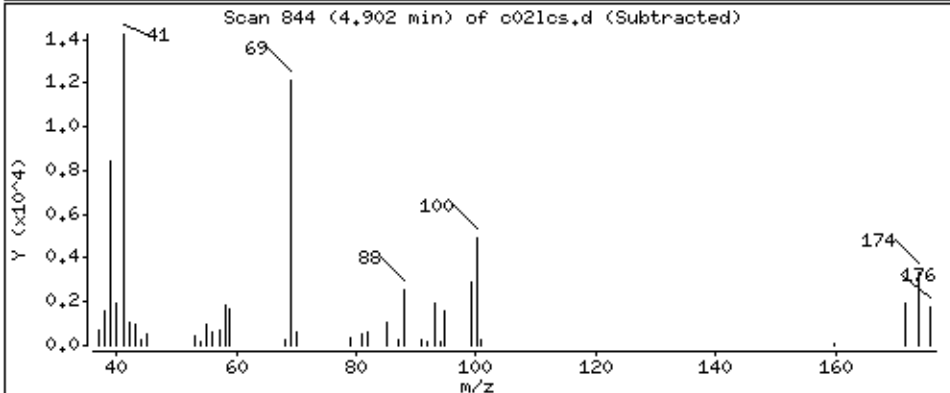
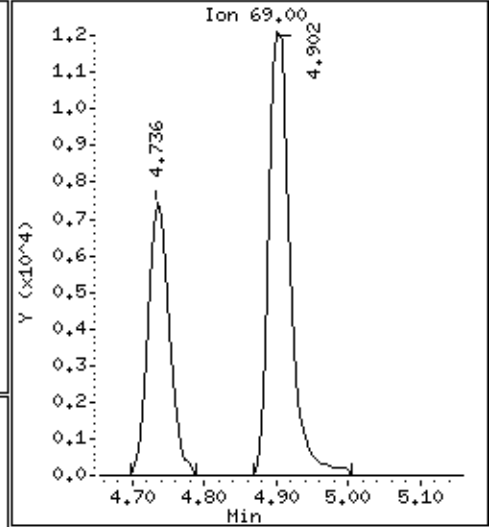
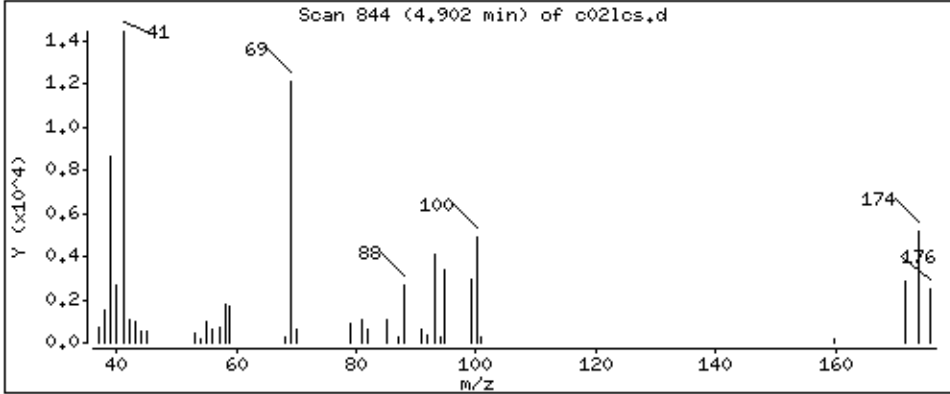
Operator: ala

Column phase: DB-624

Column diameter: 0,18

46 Methyl methacrylate

Concentration: 43,1 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

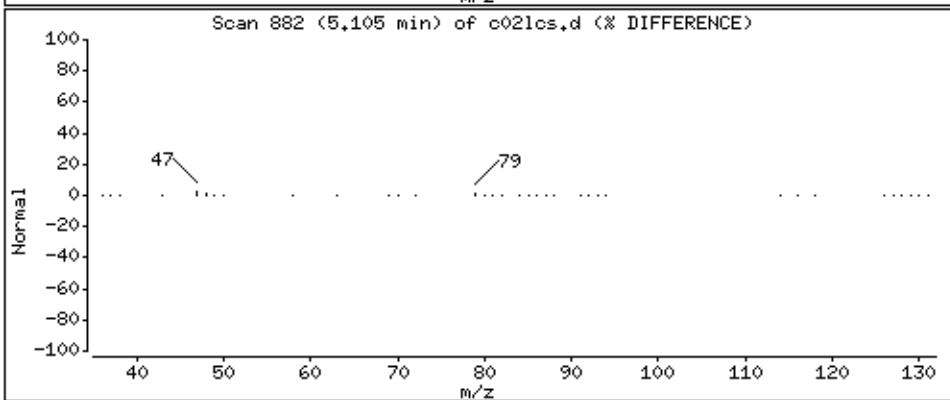
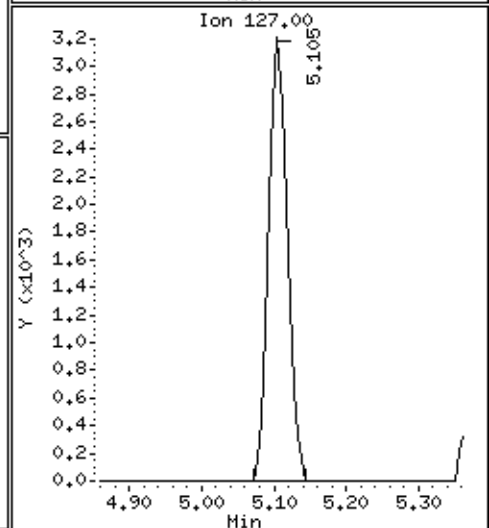
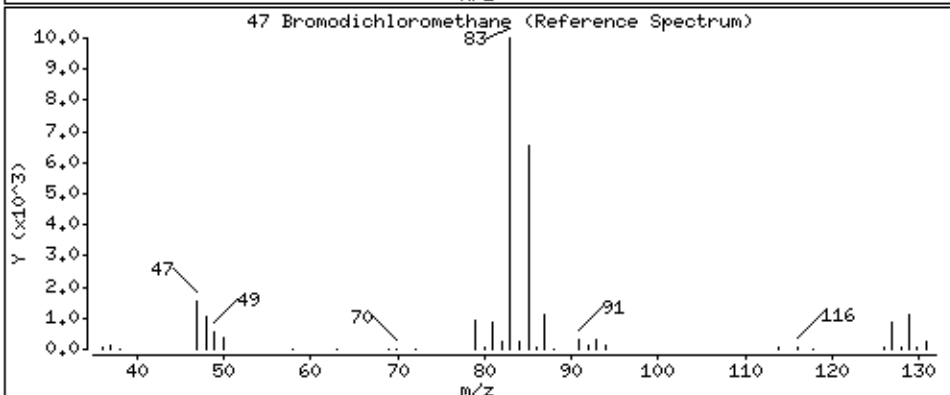
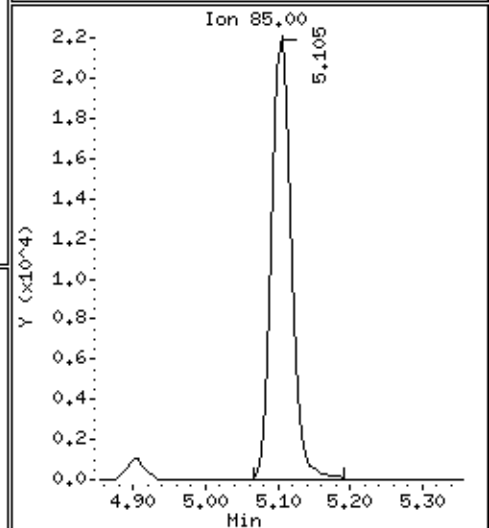
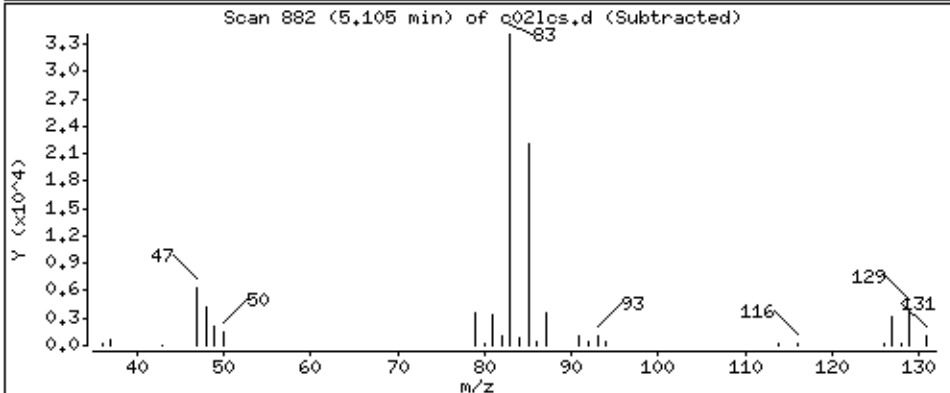
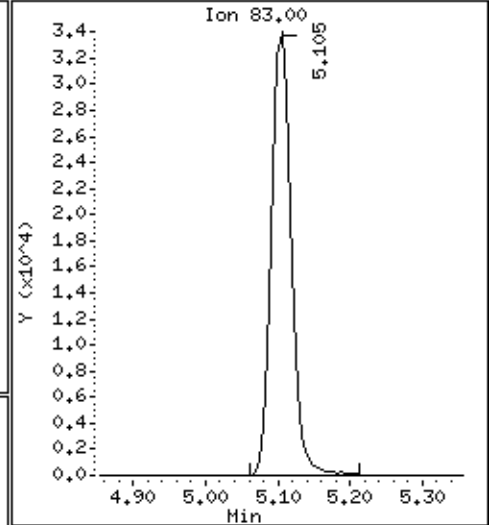
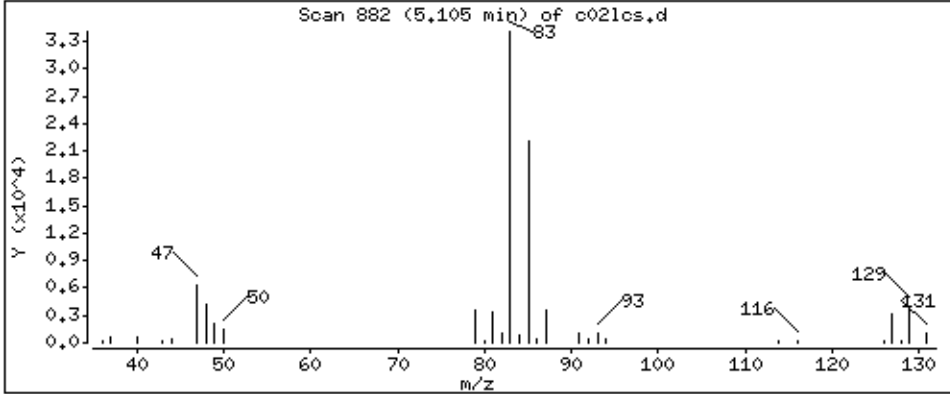
Operator: ala

Column phase: DB-624

Column diameter: 0,18

47 Bromodichloromethane

Concentration: 48,3 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

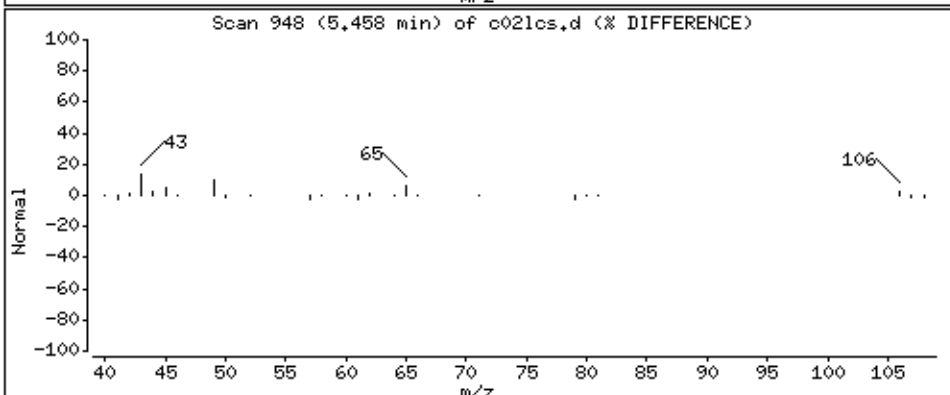
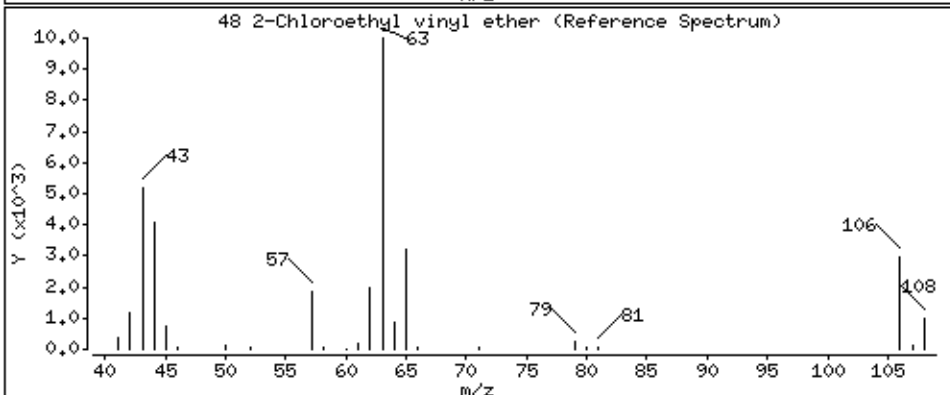
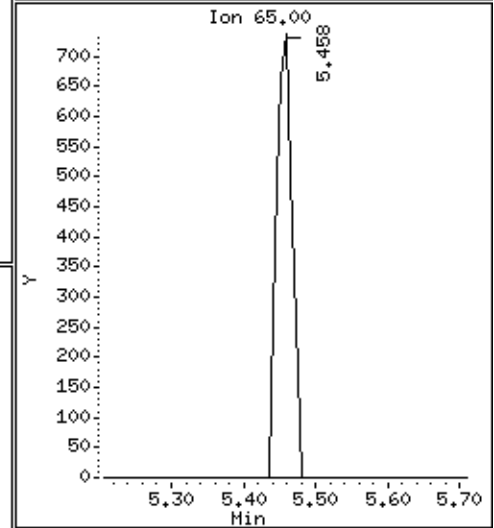
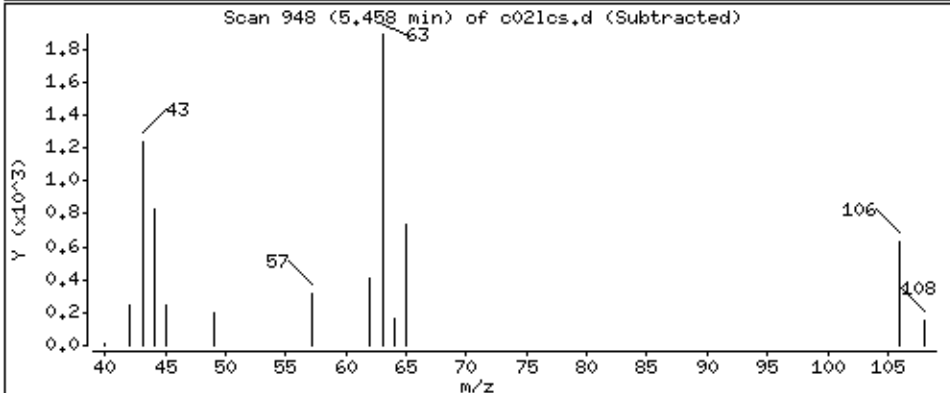
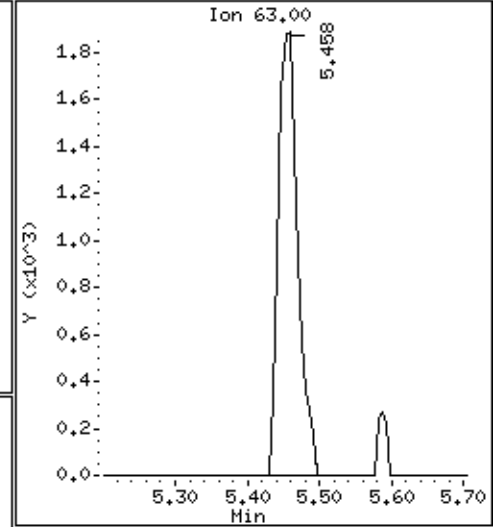
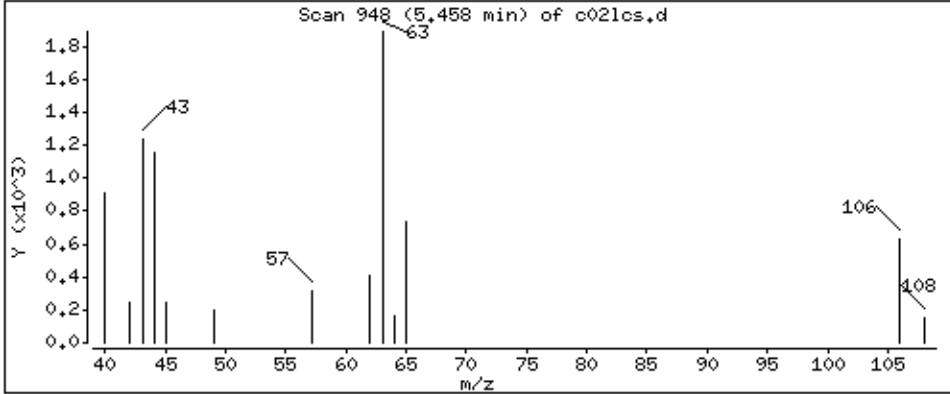
Operator: ala

Column phase: DB-624

Column diameter: 0,18

48 2-Chloroethyl vinyl ether

Concentration: 22.2 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

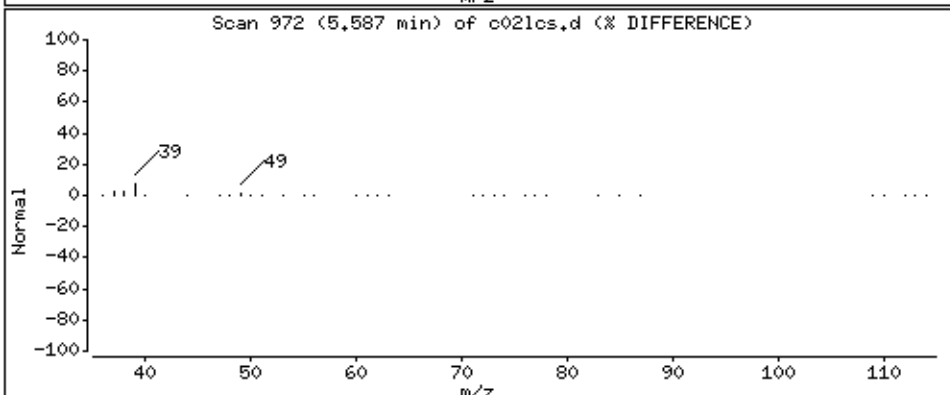
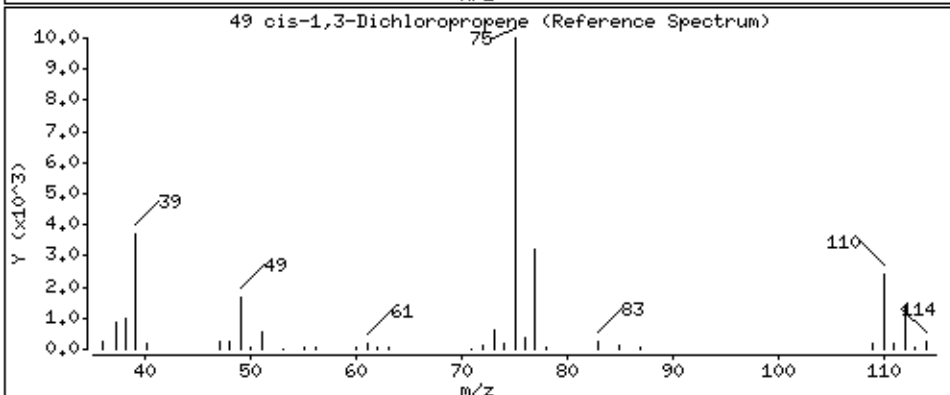
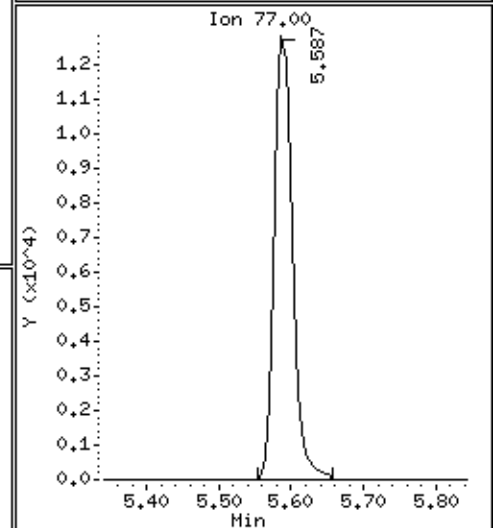
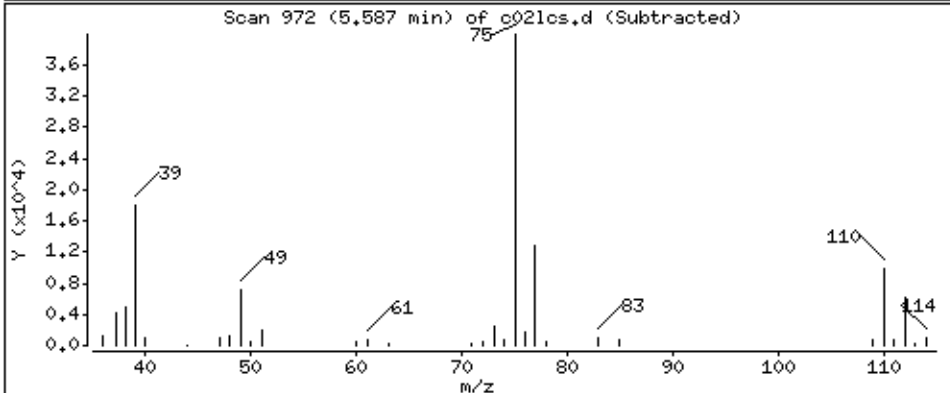
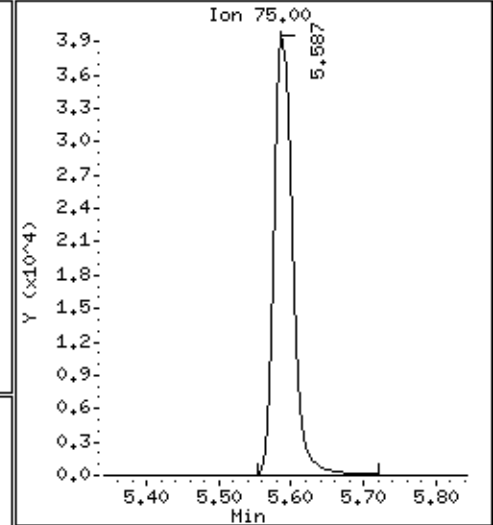
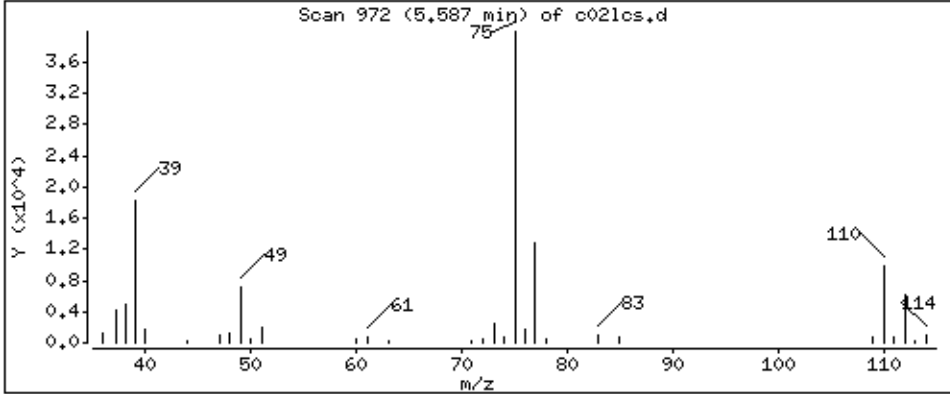
Operator: ala

Column phase: DB-624

Column diameter: 0,18

49 cis-1,3-Dichloropropene

Concentration: 47,1 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

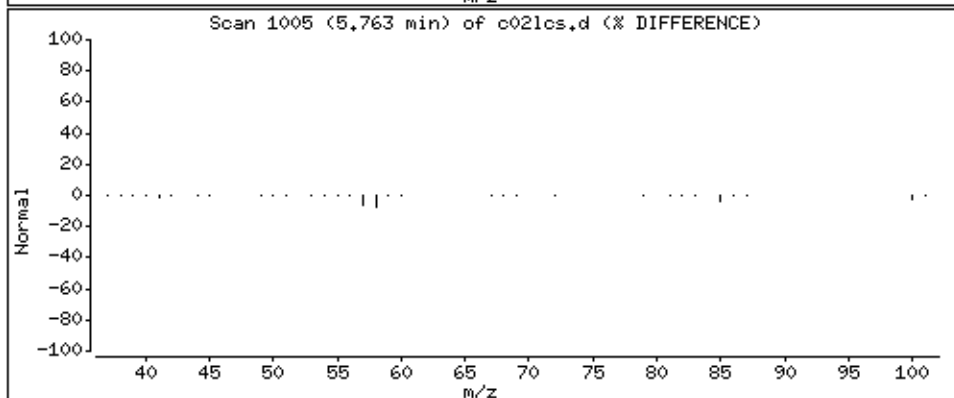
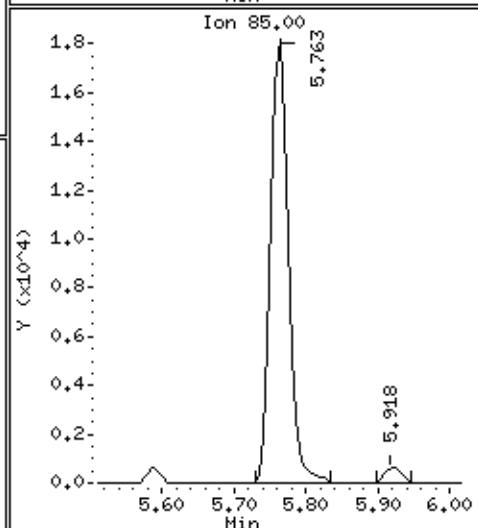
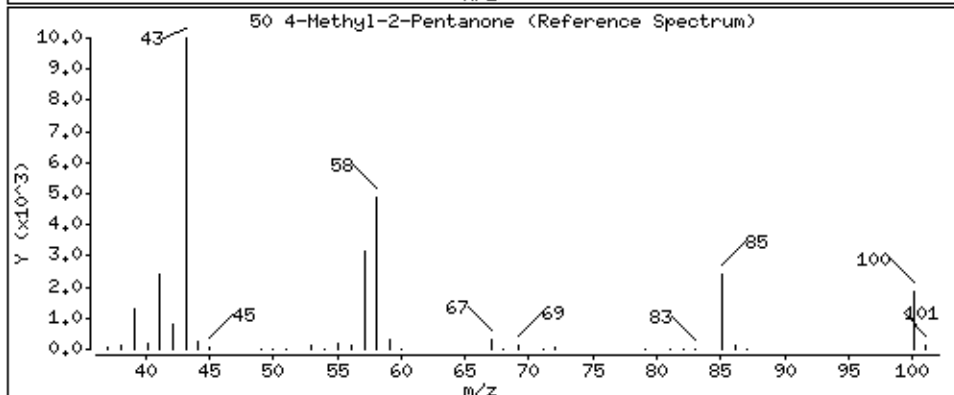
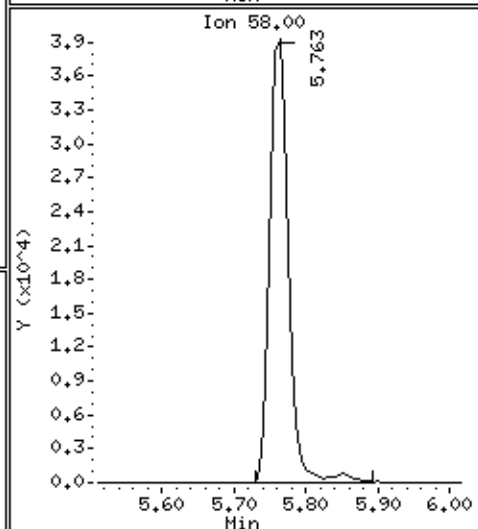
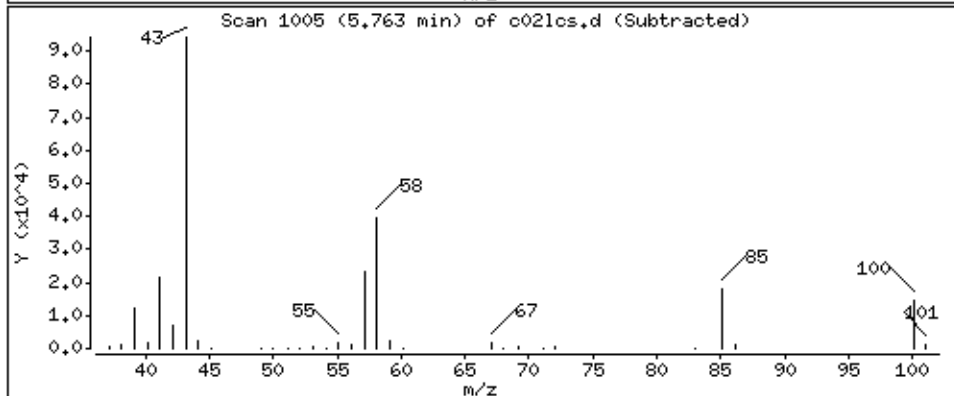
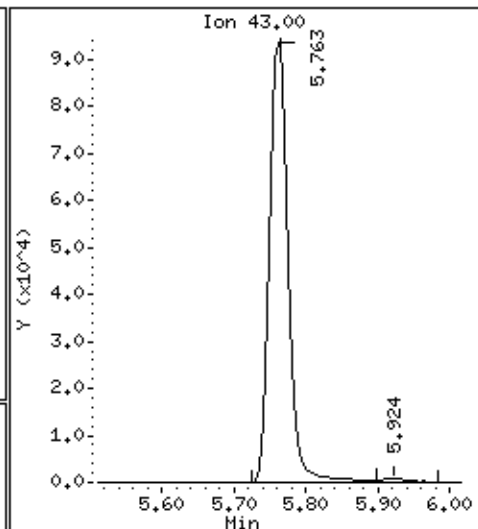
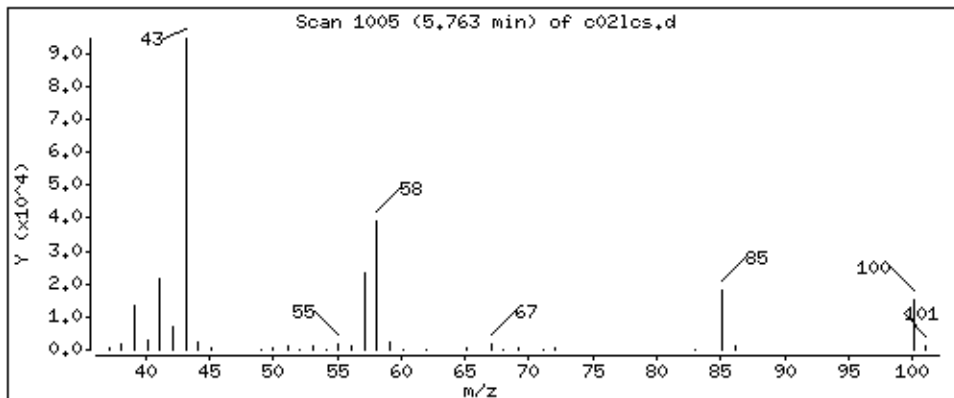
Operator: ala

Column phase: DB-624

Column diameter: 0,18

50 4-Methyl-2-Pentanone

Concentration: 209 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

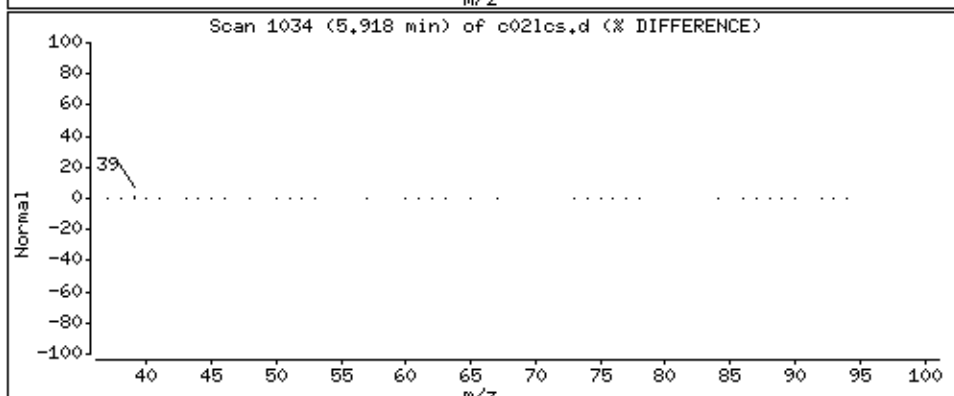
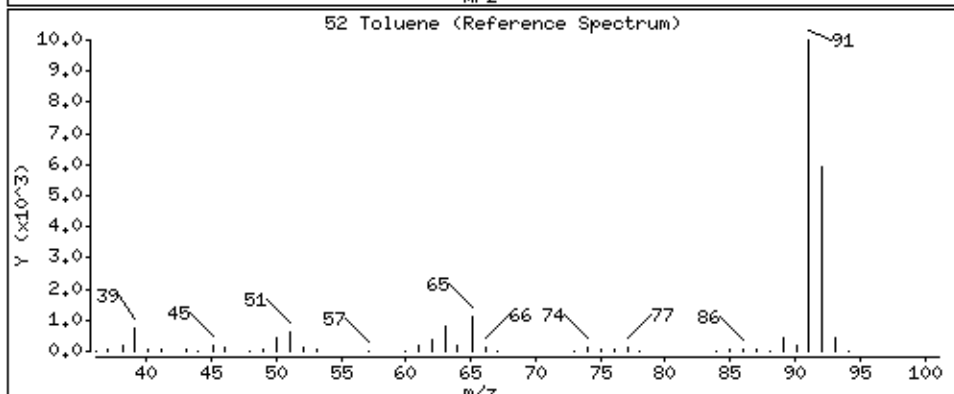
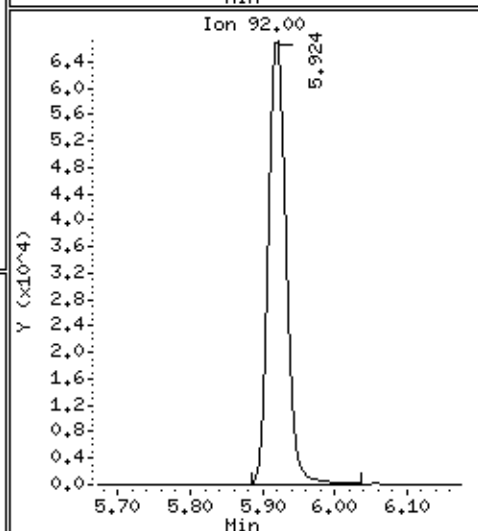
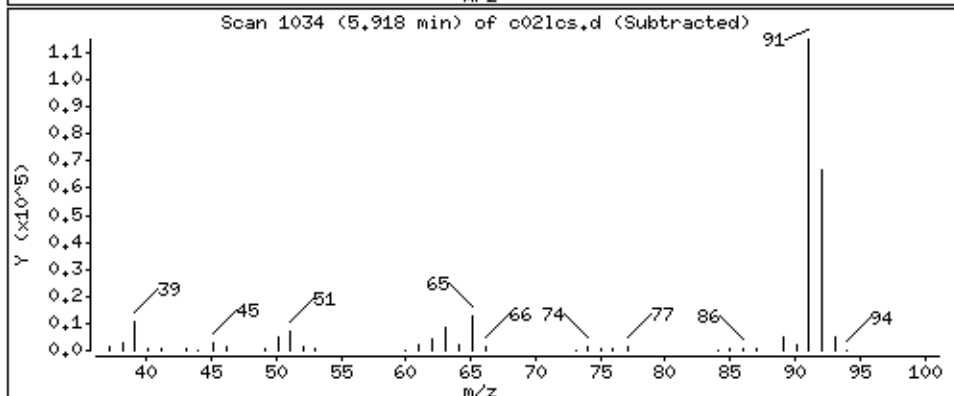
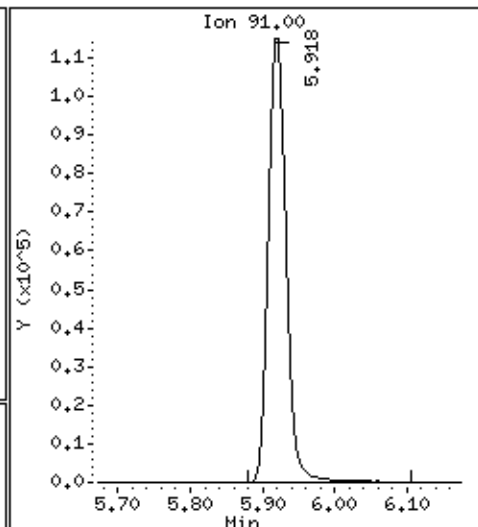
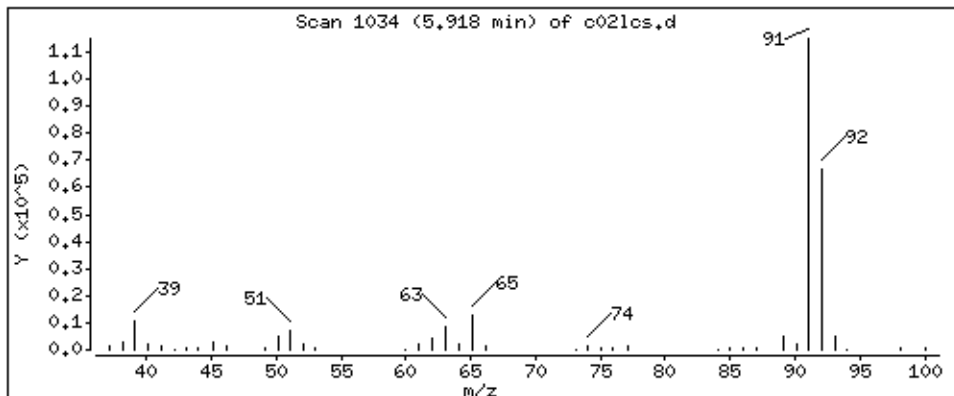
Operator: ala

Column phase: DB-624

Column diameter: 0,18

52 Toluene

Concentration: 46,8 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

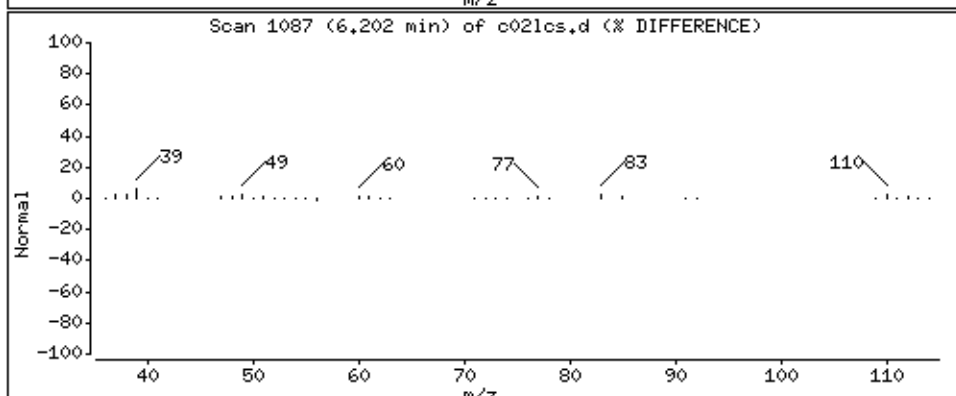
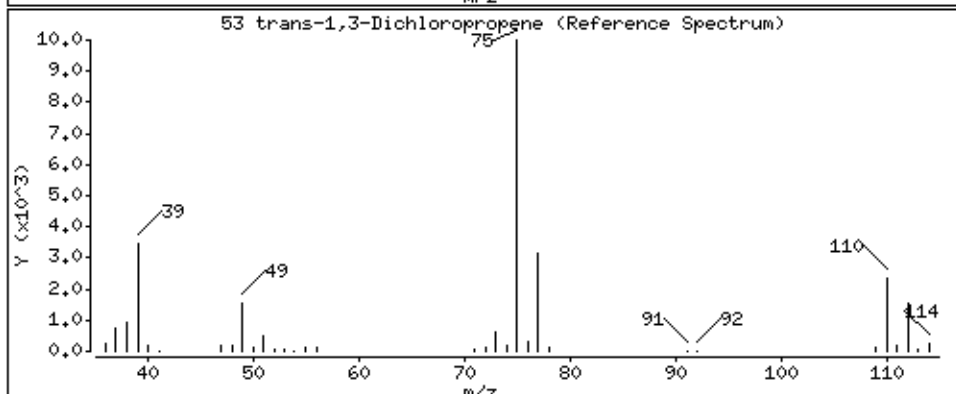
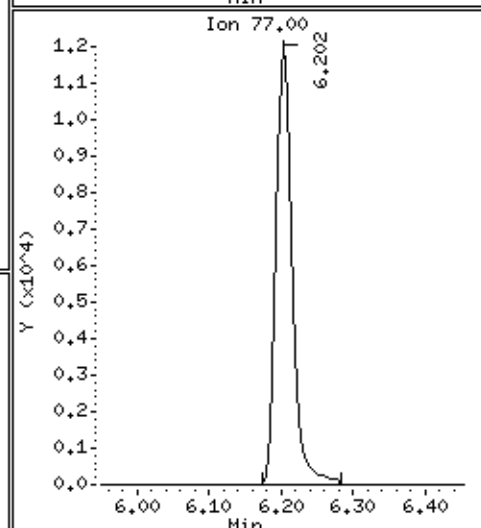
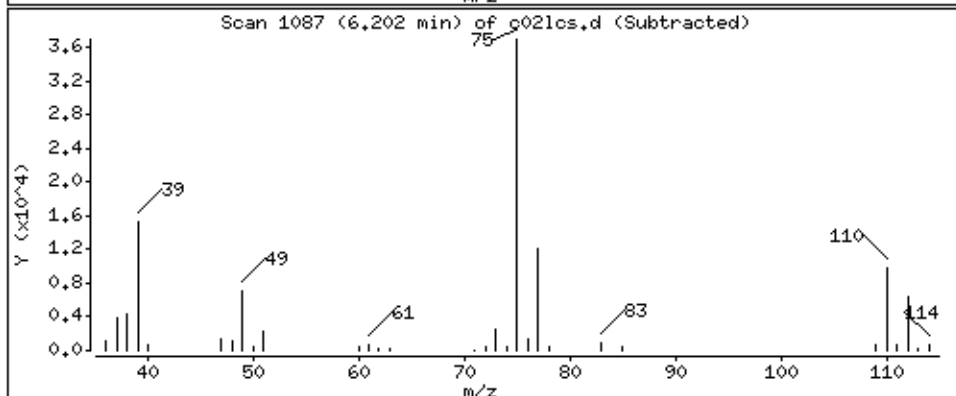
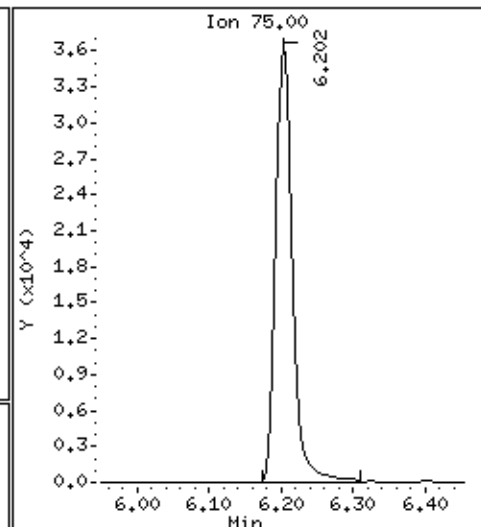
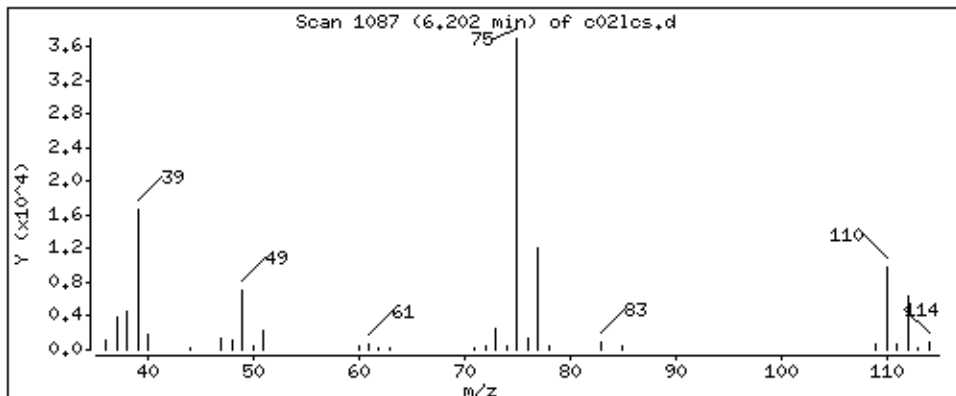
Operator: ala

Column phase: DB-624

Column diameter: 0,18

53 trans-1,3-Dichloropropene

Concentration: 39,9 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730;5

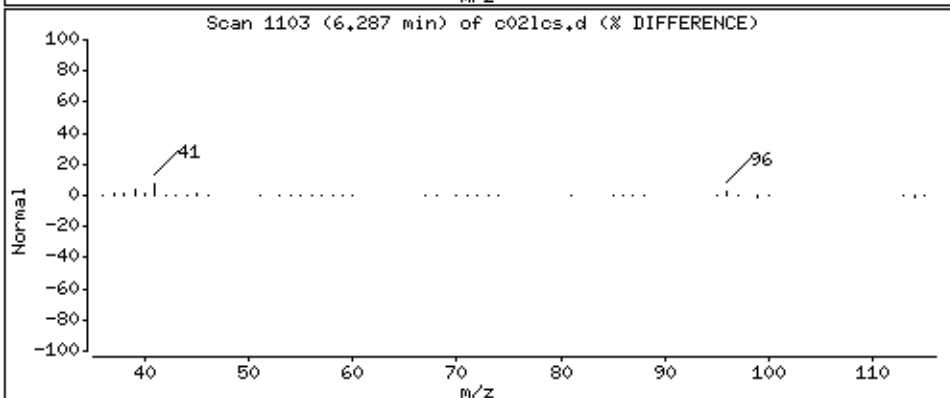
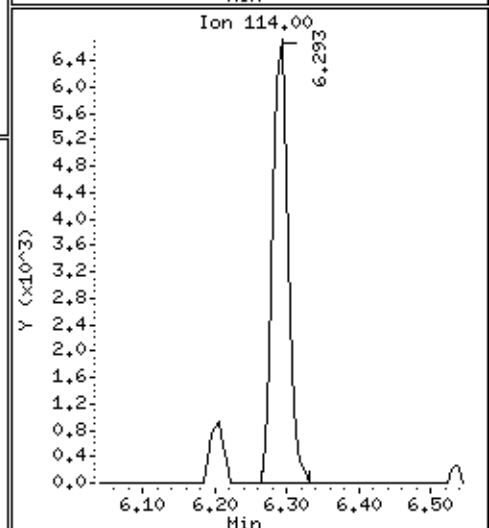
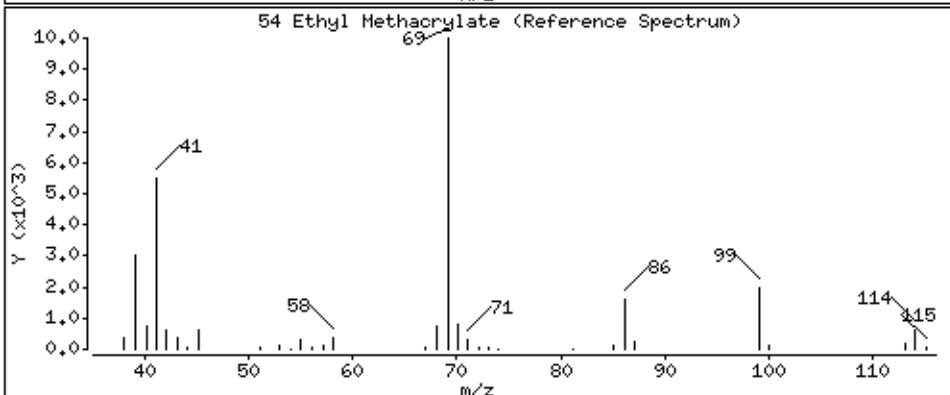
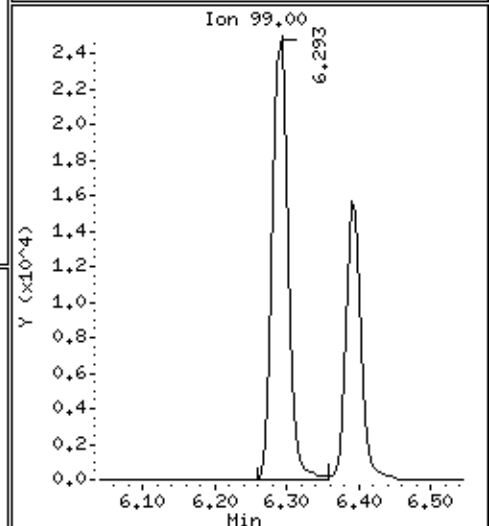
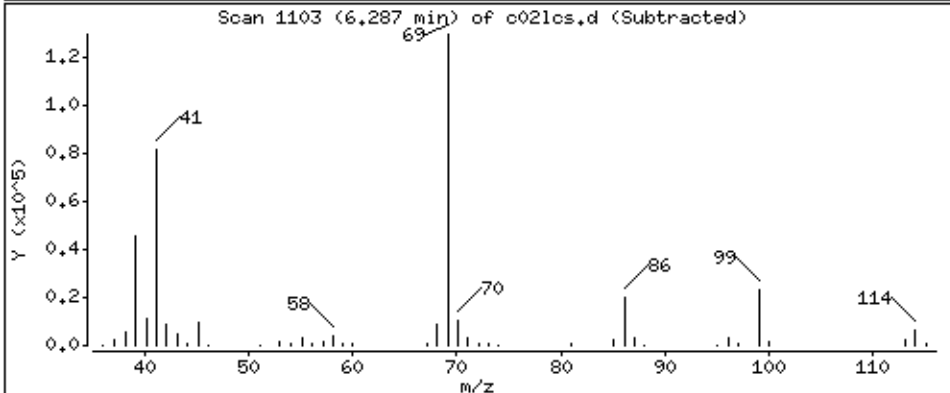
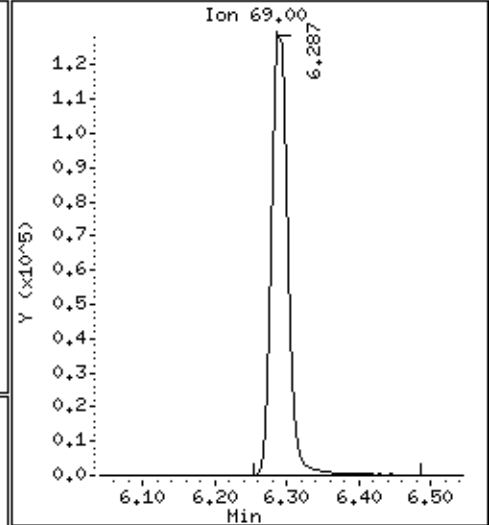
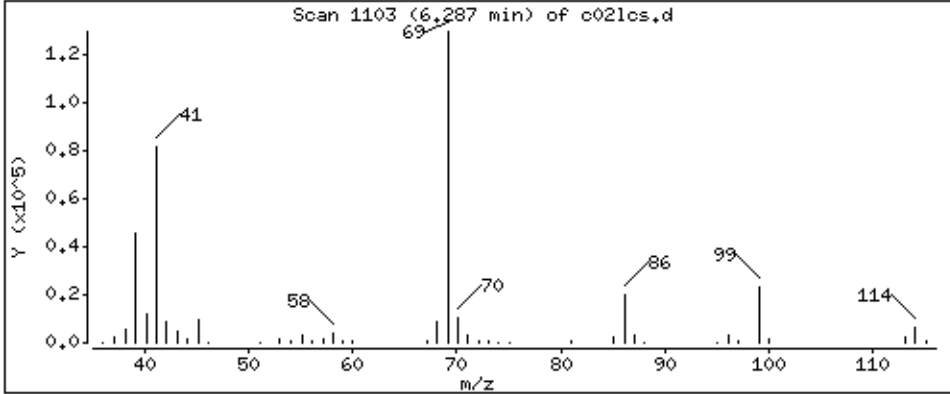
Operator: ala

Column phase: DB-624

Column diameter: 0,18

54 Ethyl Methacrylate

Concentration: 177 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

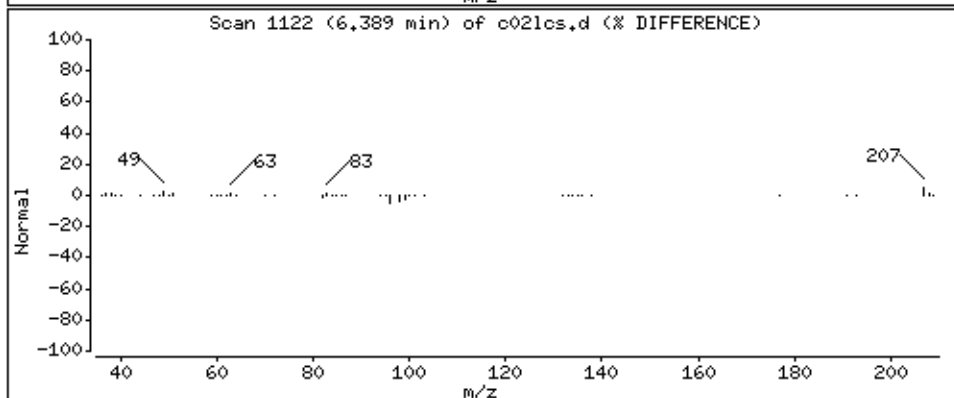
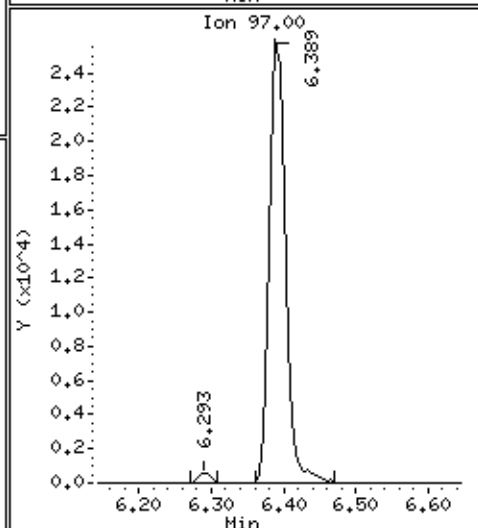
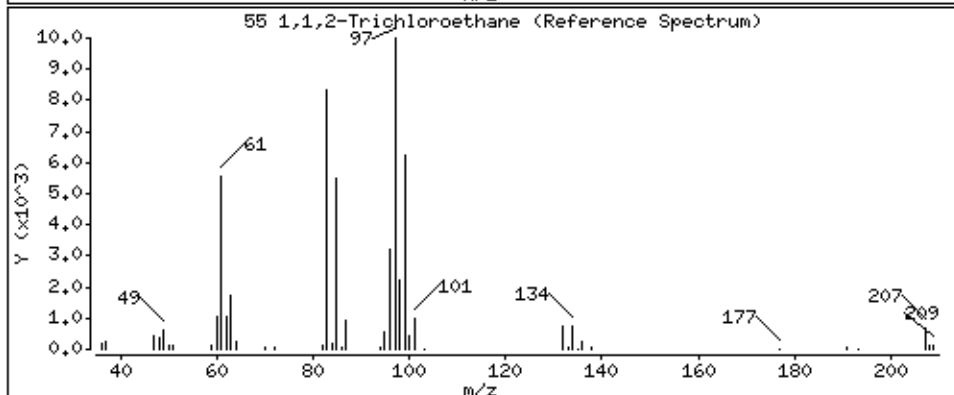
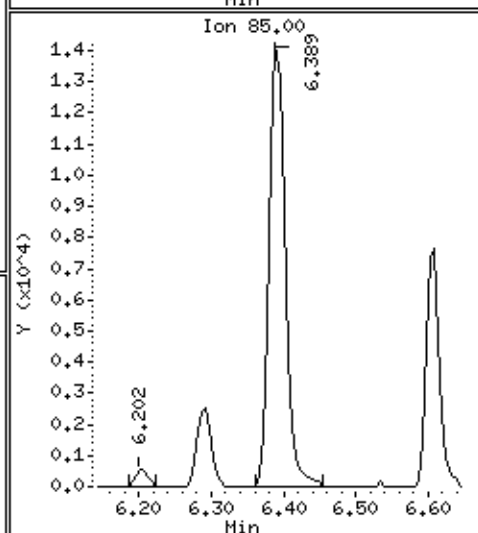
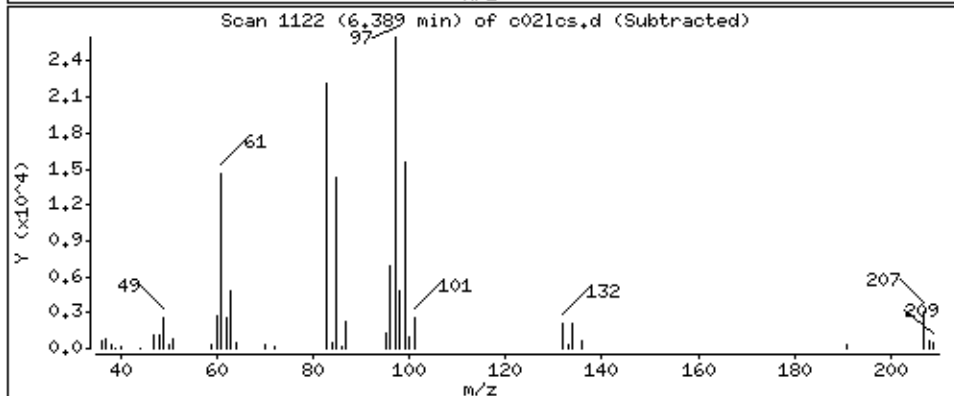
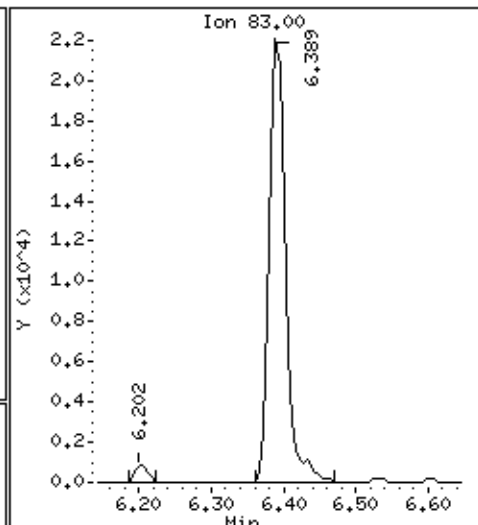
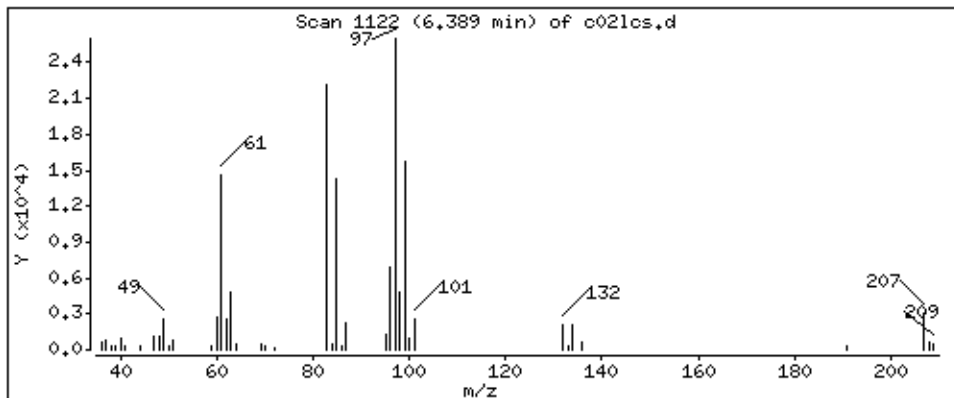
Operator: ala

Column phase: DB-624

Column diameter: 0,18

55 1,1,2-Trichloroethane

Concentration: 48,8 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730;5

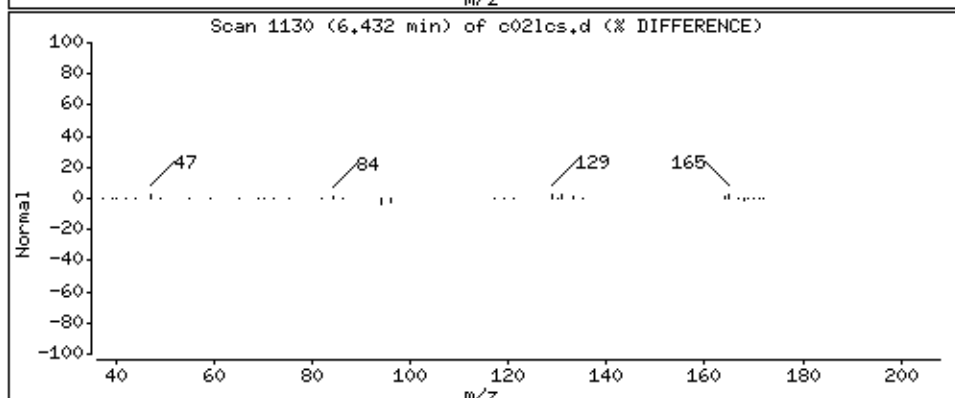
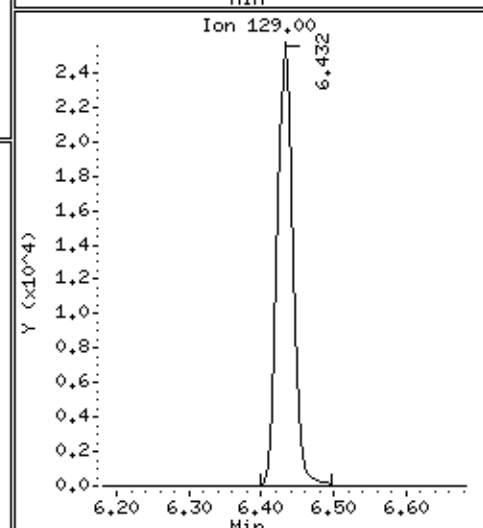
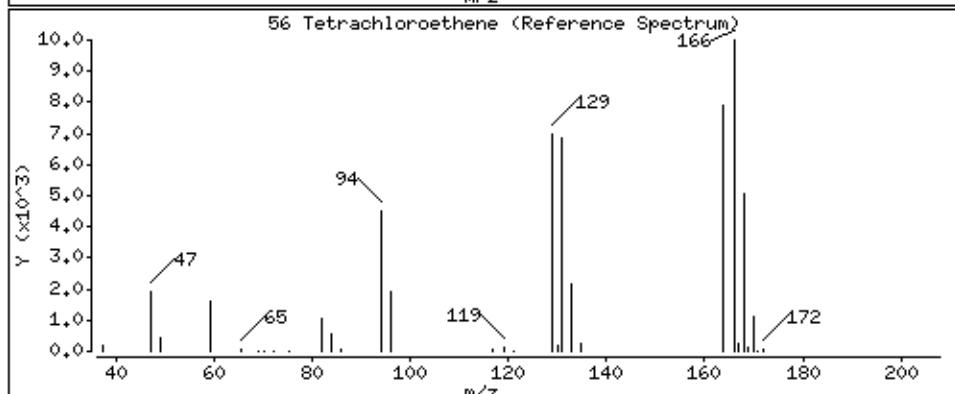
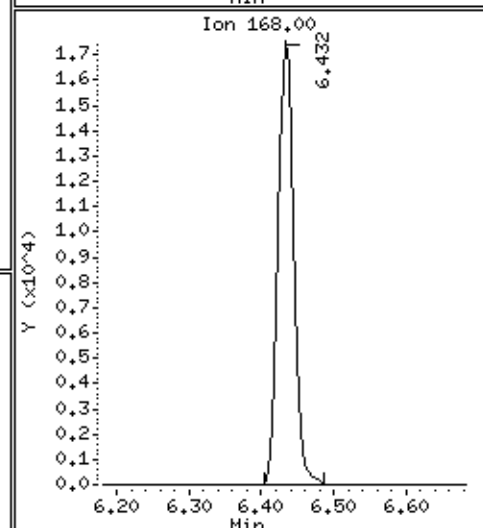
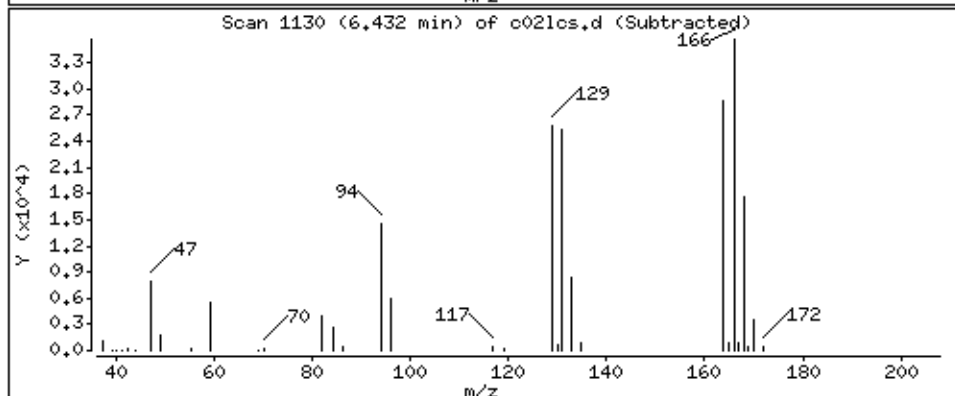
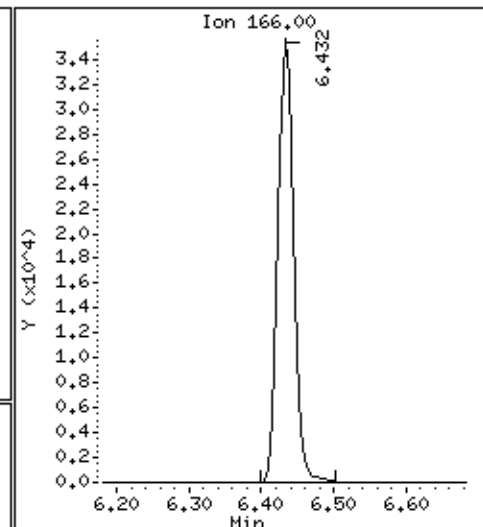
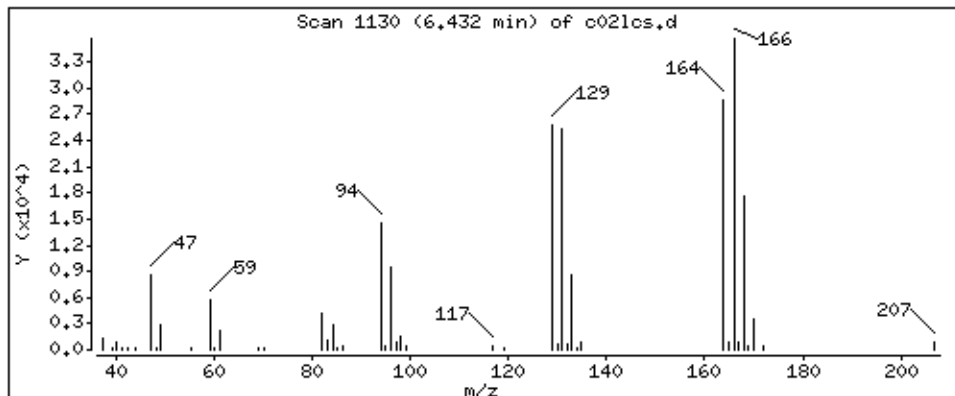
Operator: ala

Column phase: DB-624

Column diameter: 0,18

56 Tetrachloroethene

Concentration: 45,9 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

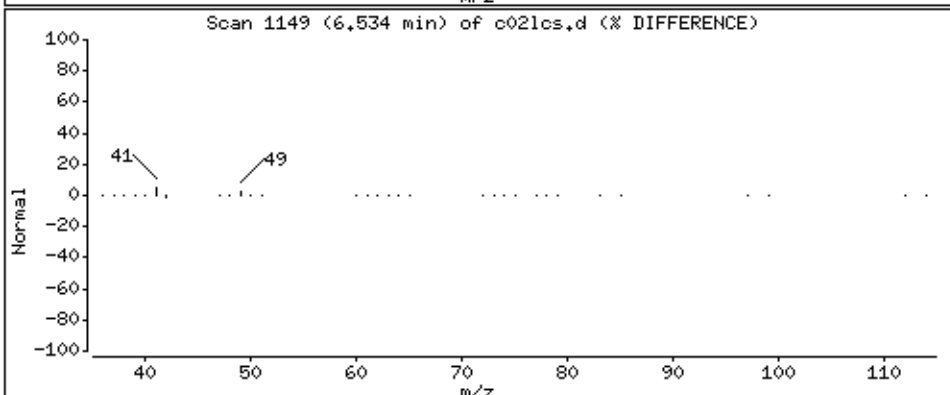
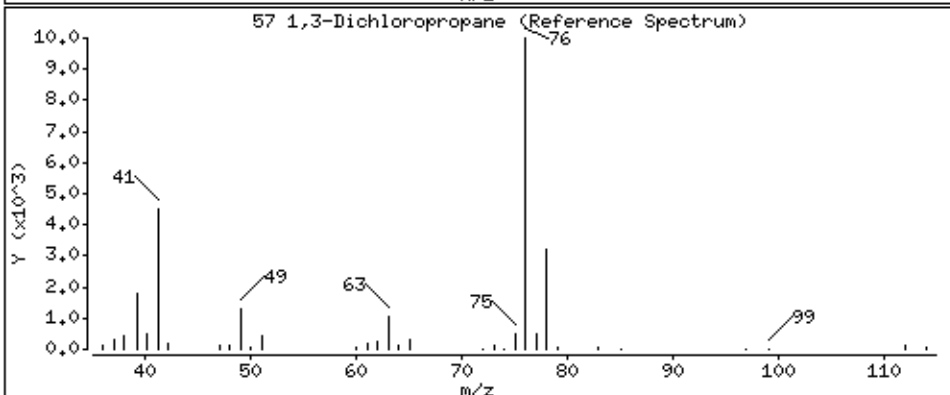
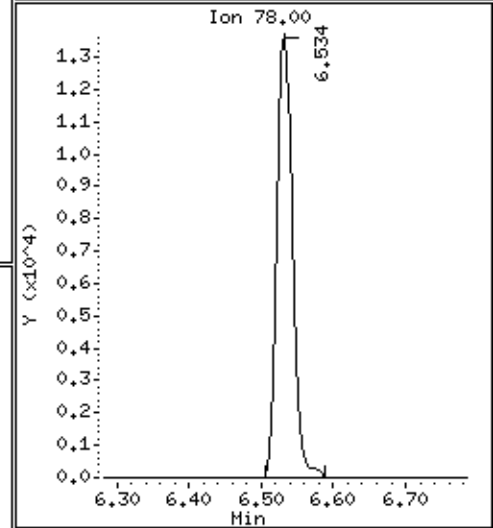
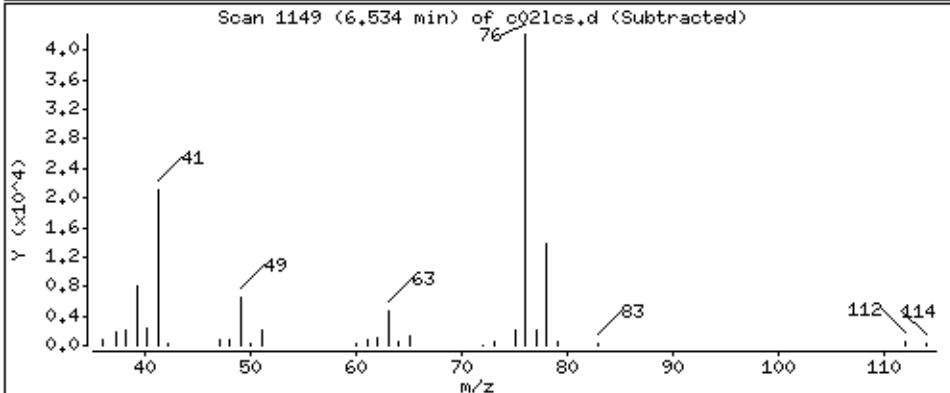
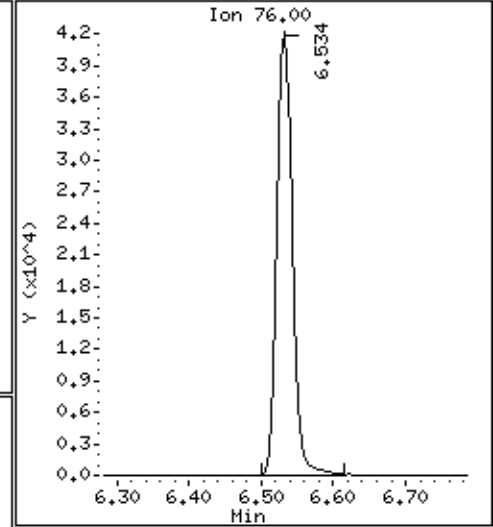
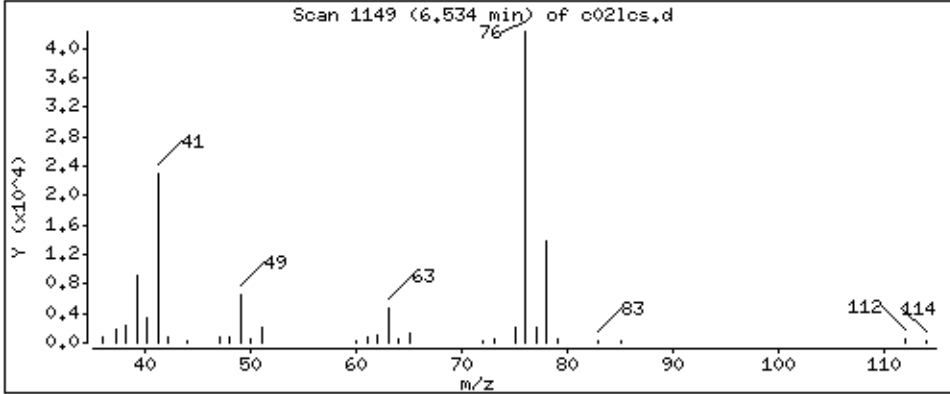
Operator: ala

Column phase: DB-624

Column diameter: 0,18

57 1,3-Dichloropropane

Concentration: 49,4 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

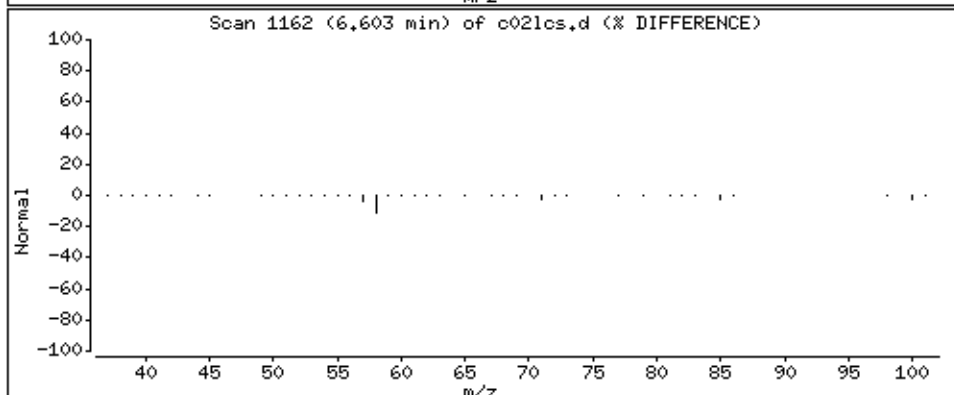
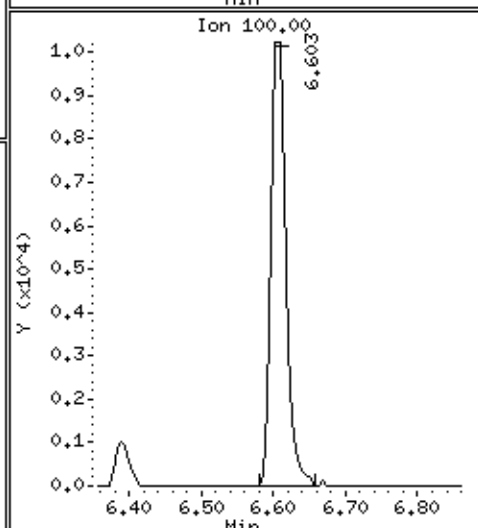
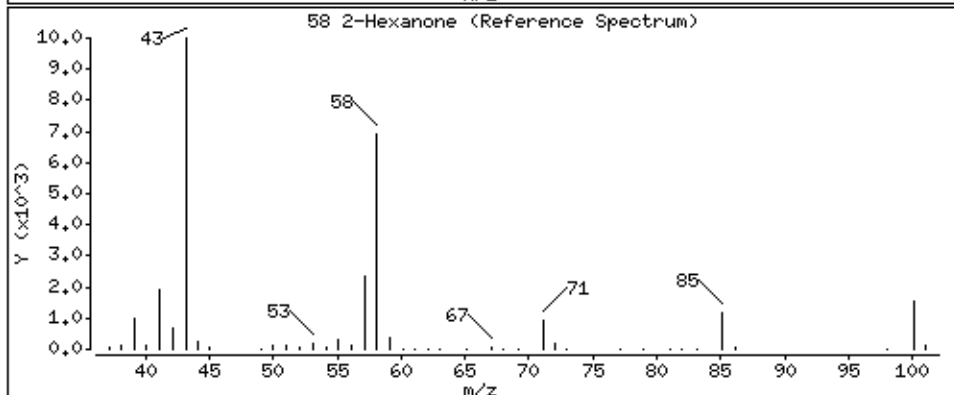
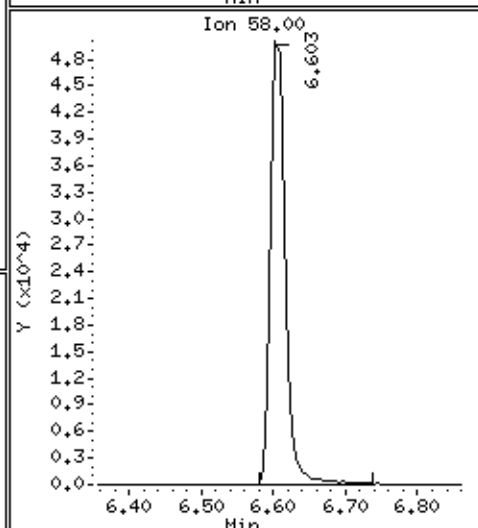
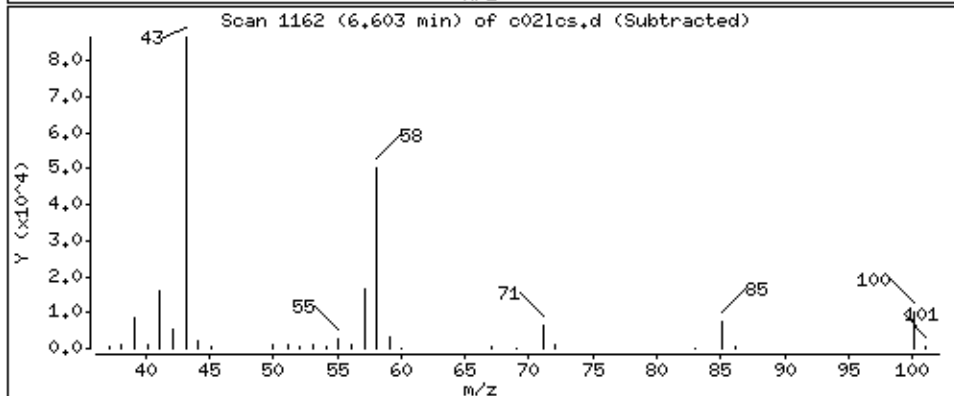
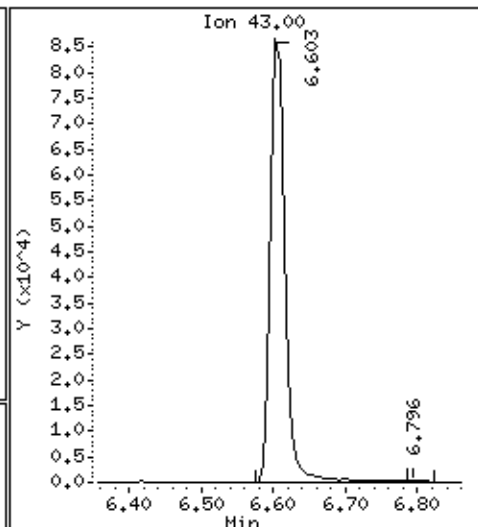
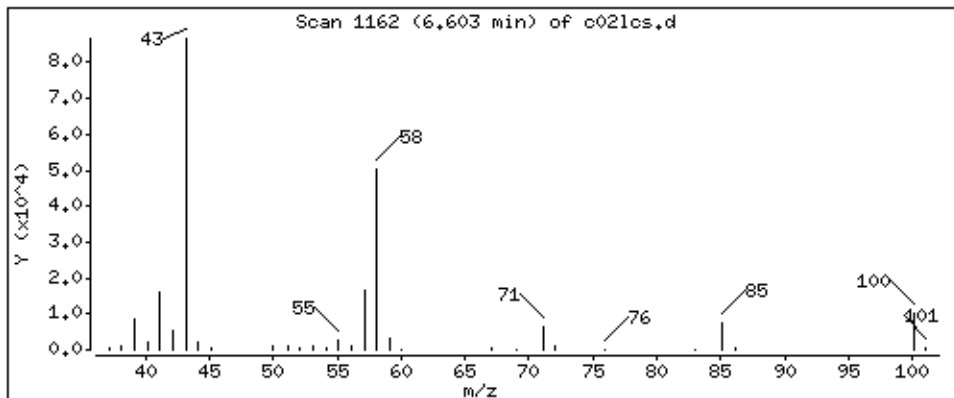
Operator: ala

Column phase: DB-624

Column diameter: 0,18

58 2-Hexanone

Concentration: 211 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

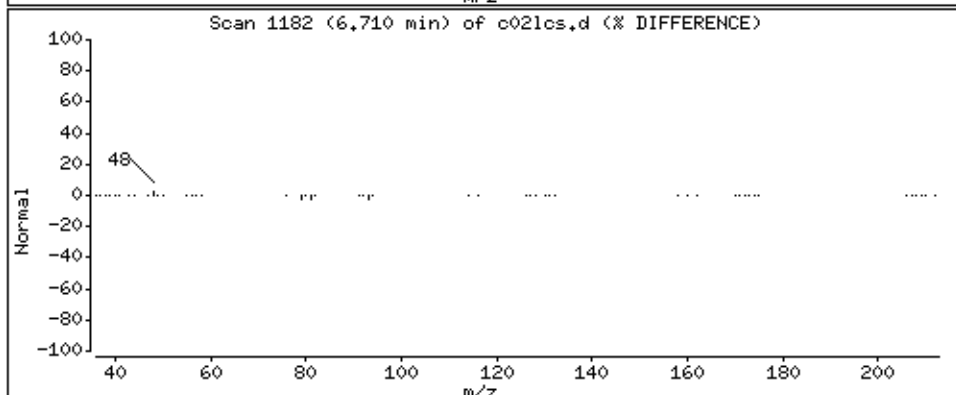
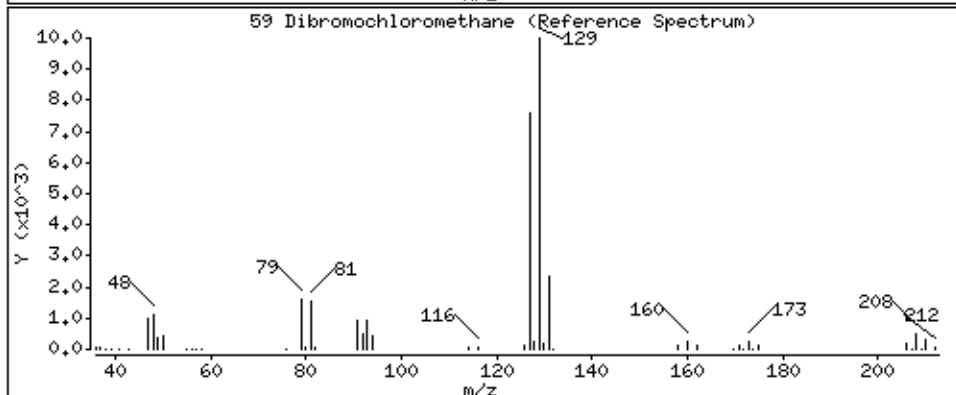
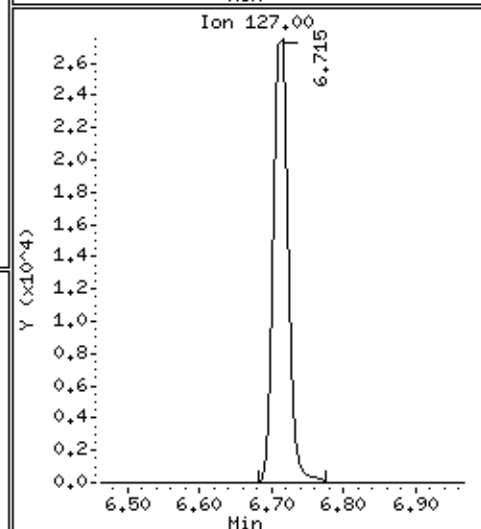
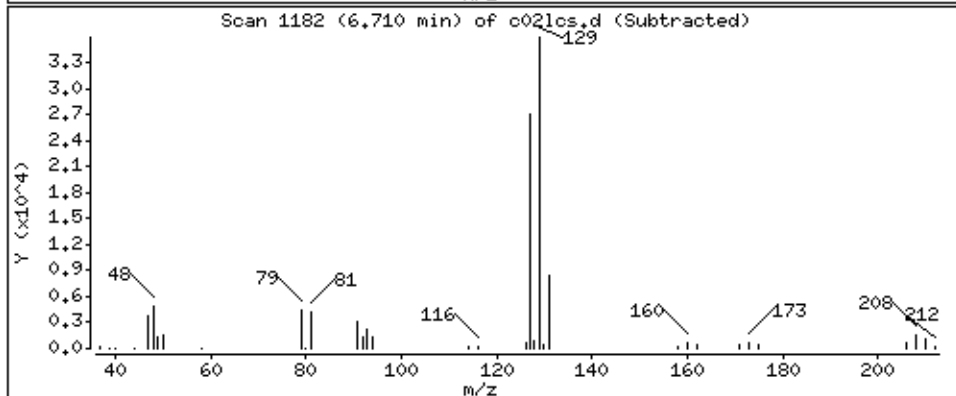
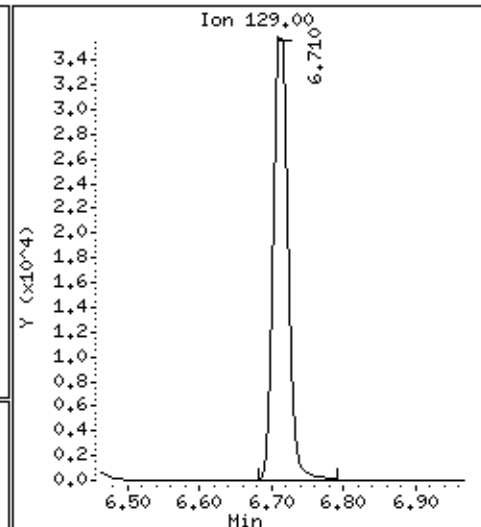
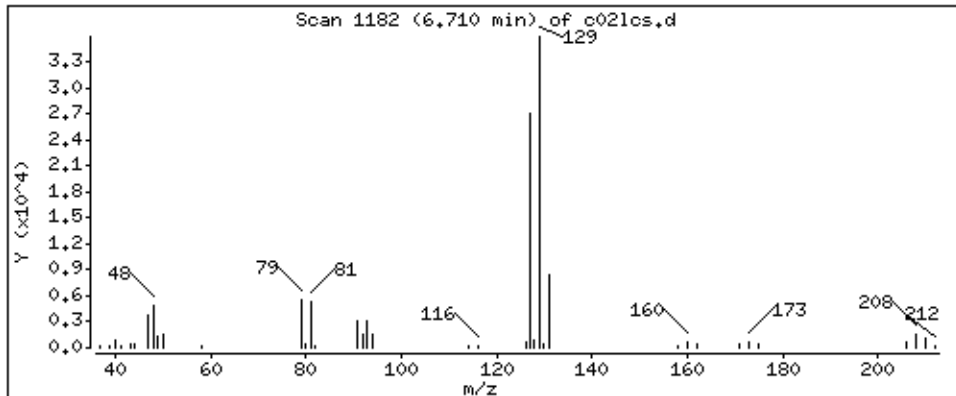
Operator: ala

Column phase: DB-624

Column diameter: 0,18

59 Dibromochloromethane

Concentration: 50,3 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

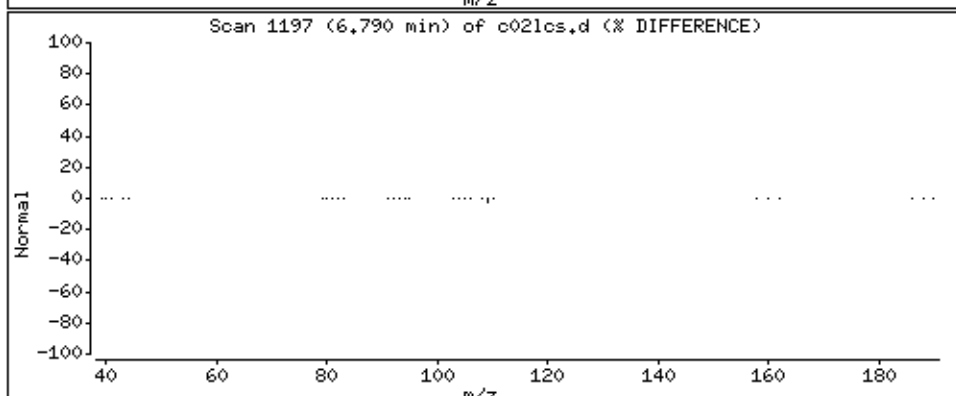
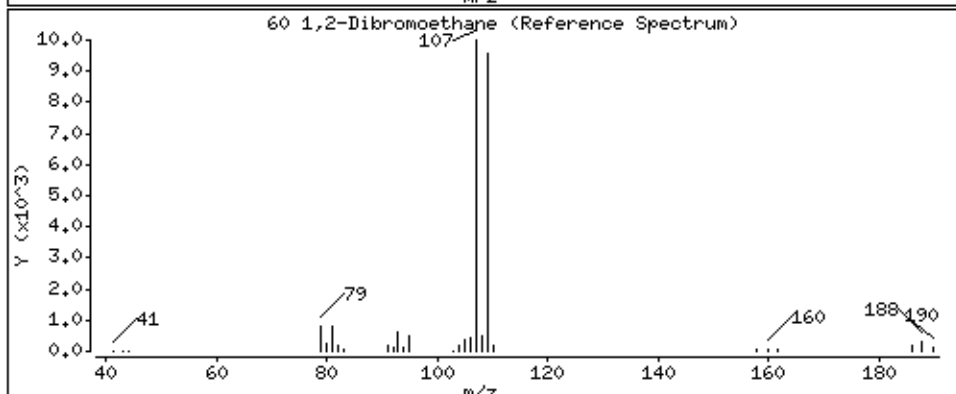
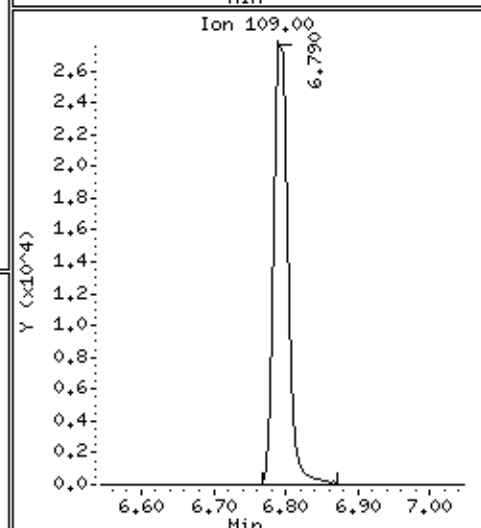
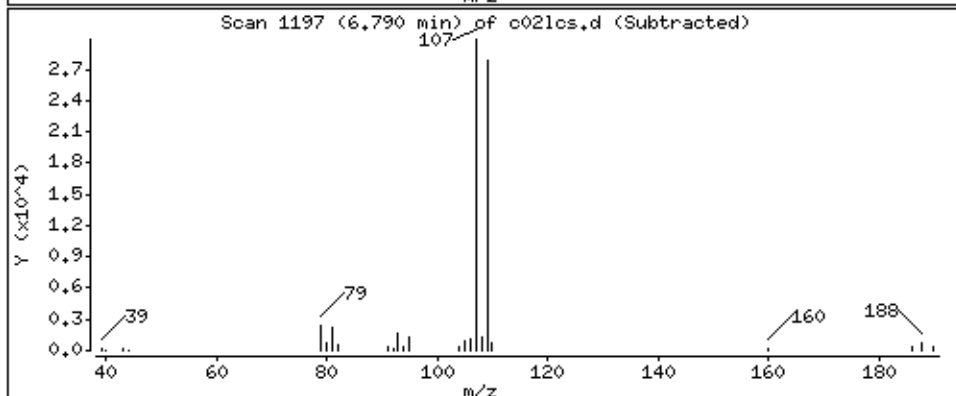
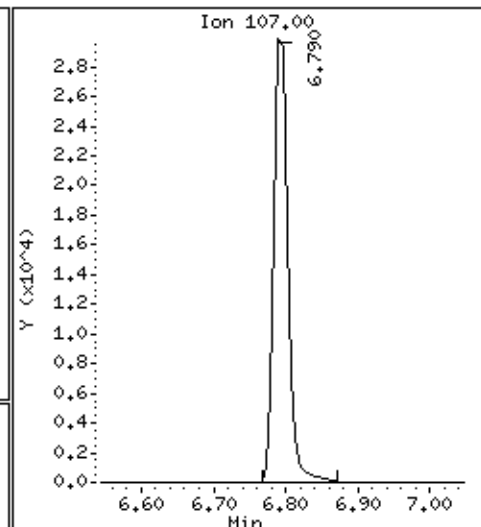
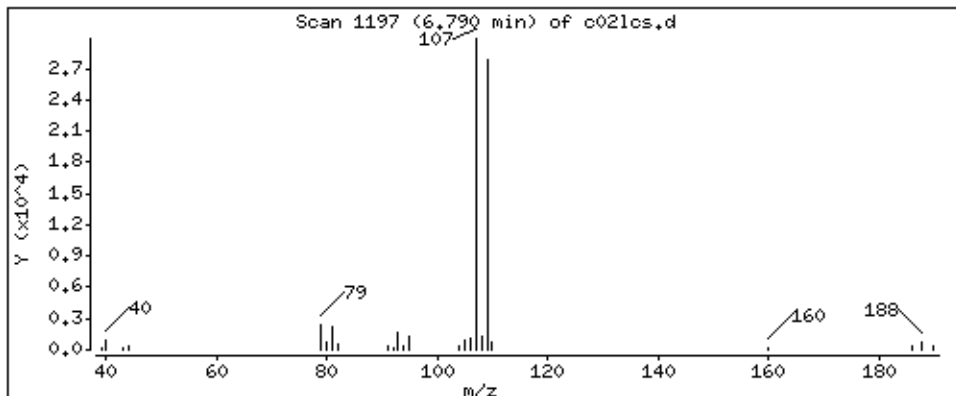
Operator: ala

Column phase: DB-624

Column diameter: 0,18

60 1,2-Dibromoethane

Concentration: 43,9 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

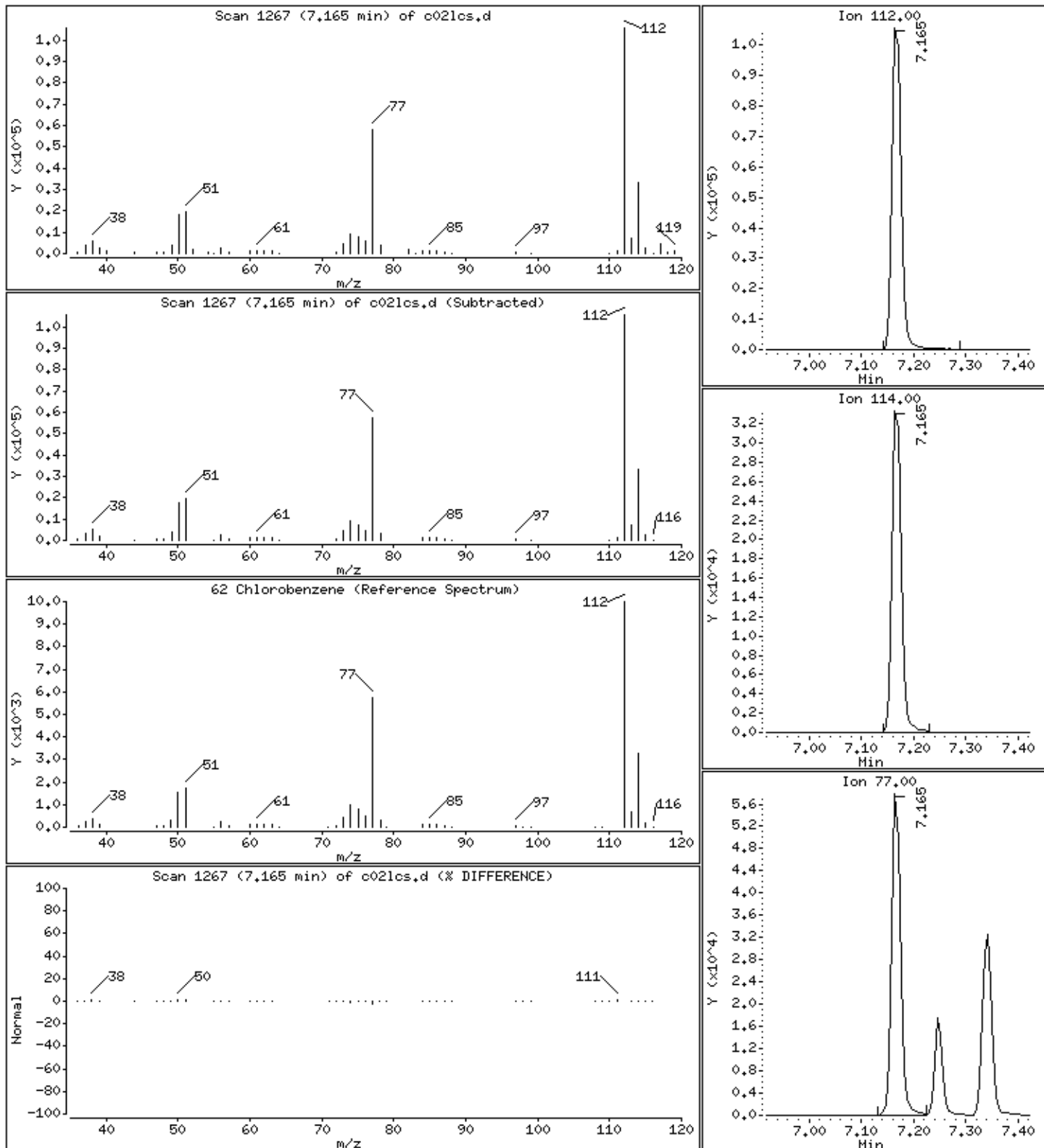
Operator: ala

Column phase: DB-624

Column diameter: 0,18

62 Chlorobenzene

Concentration: 47.4 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

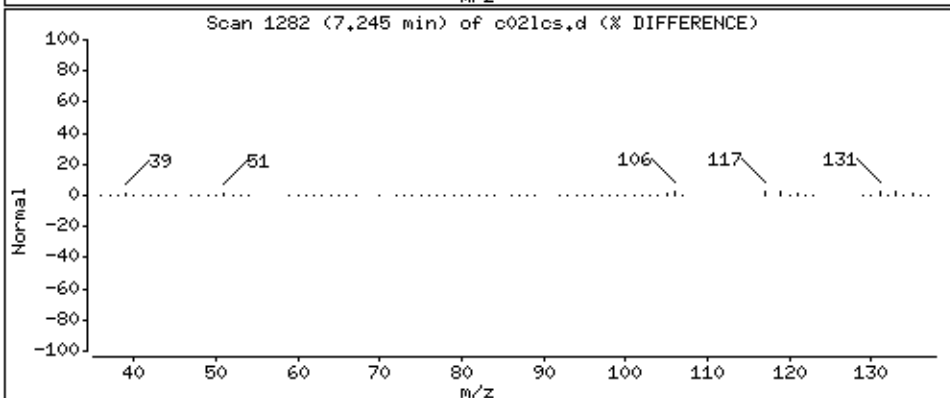
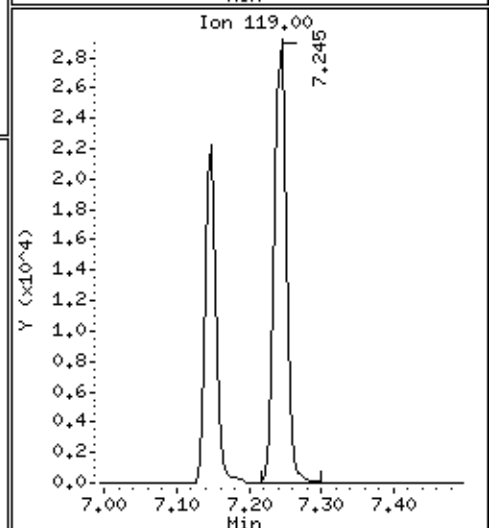
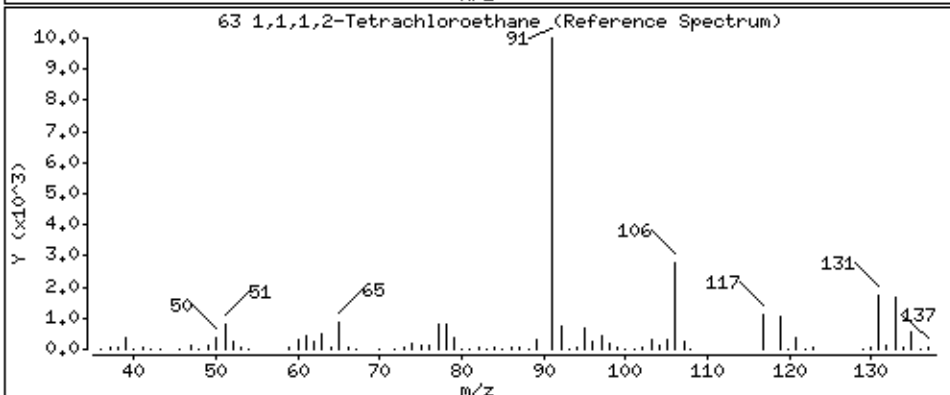
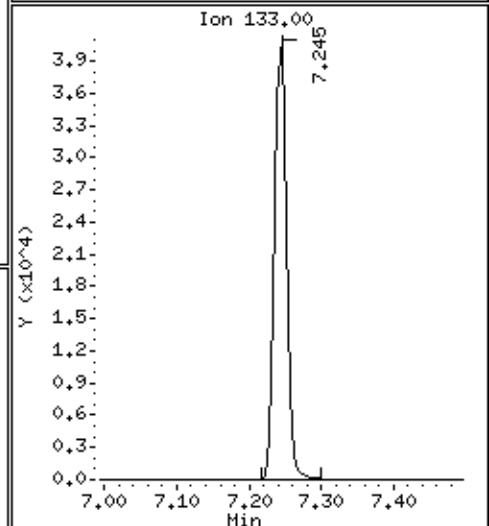
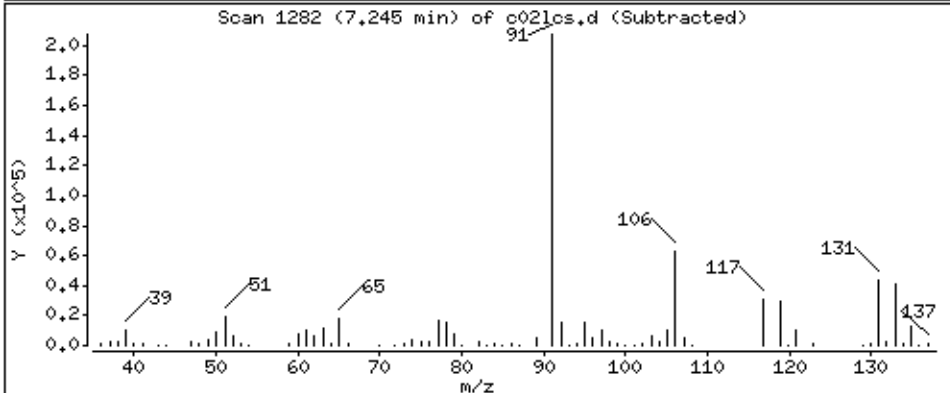
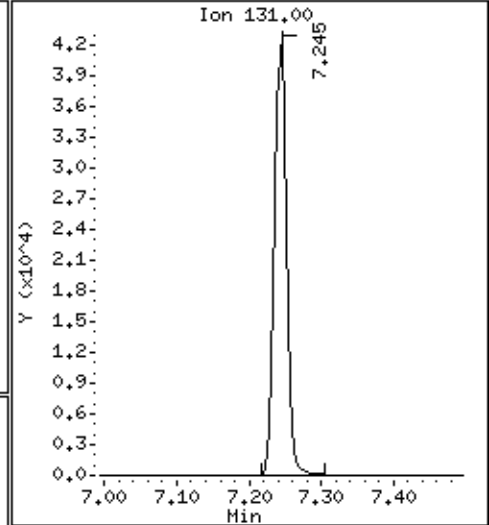
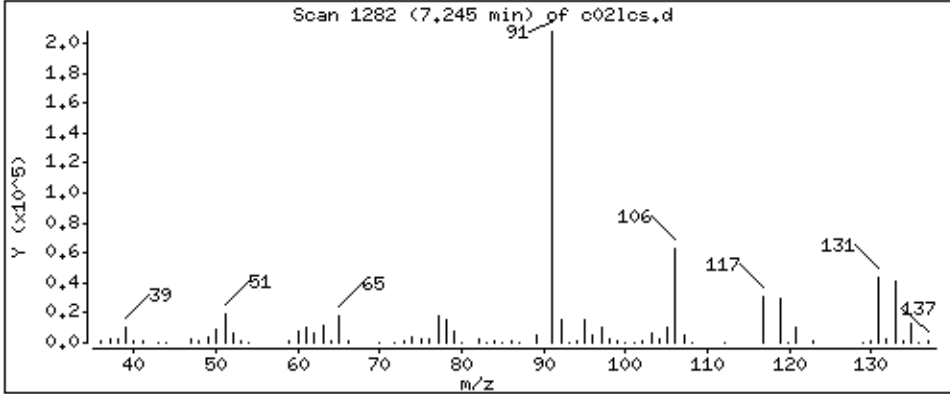
Operator: ala

Column phase: DB-624

Column diameter: 0,18

63 1,1,1,2-Tetrachloroethane

Concentration: 50,8 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730;5

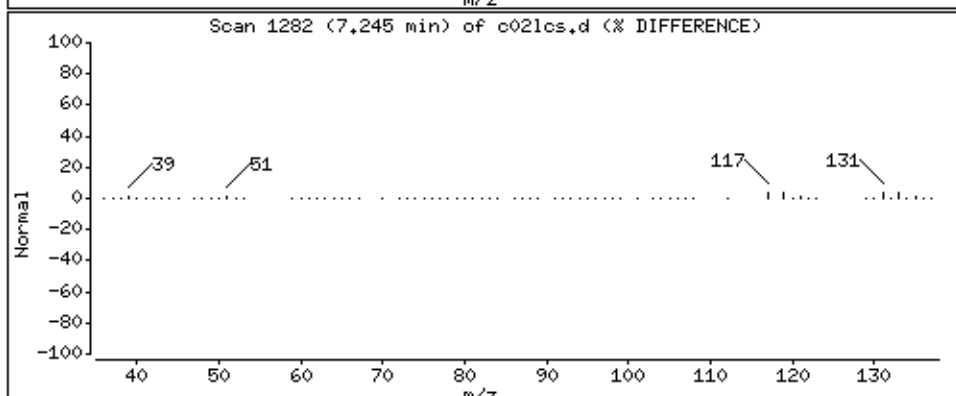
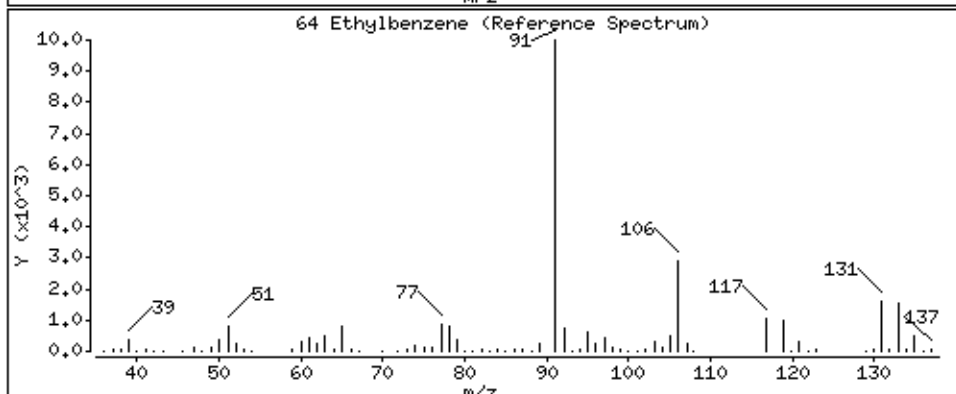
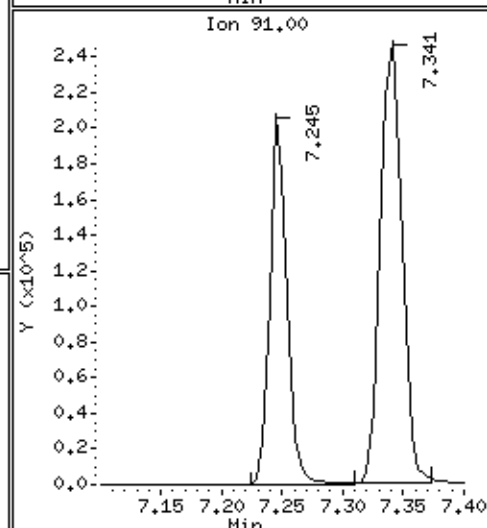
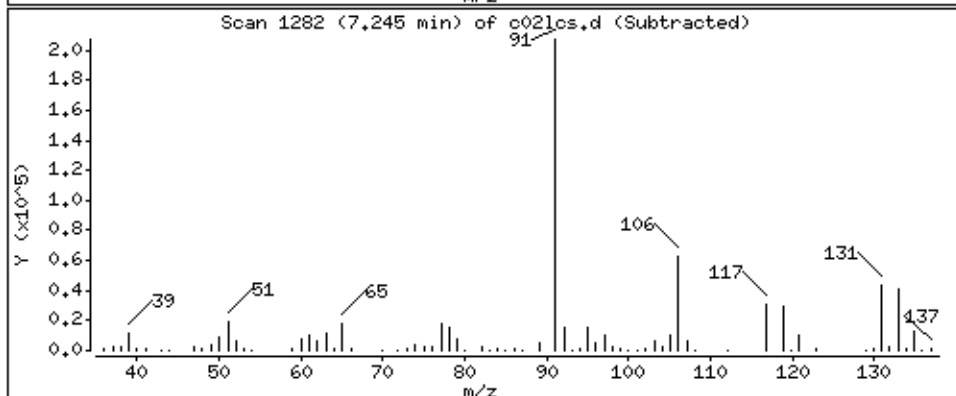
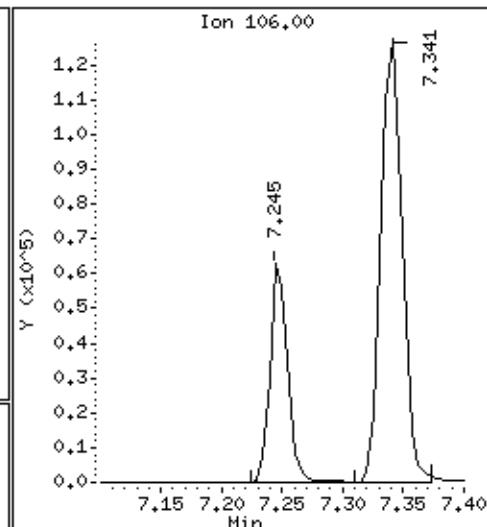
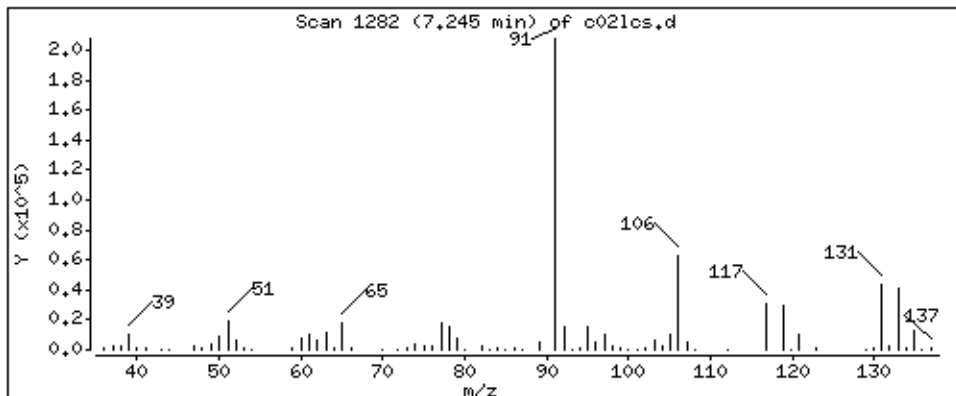
Operator: ala

Column phase: DB-624

Column diameter: 0,18

64 Ethylbenzene

Concentration: 47.6 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

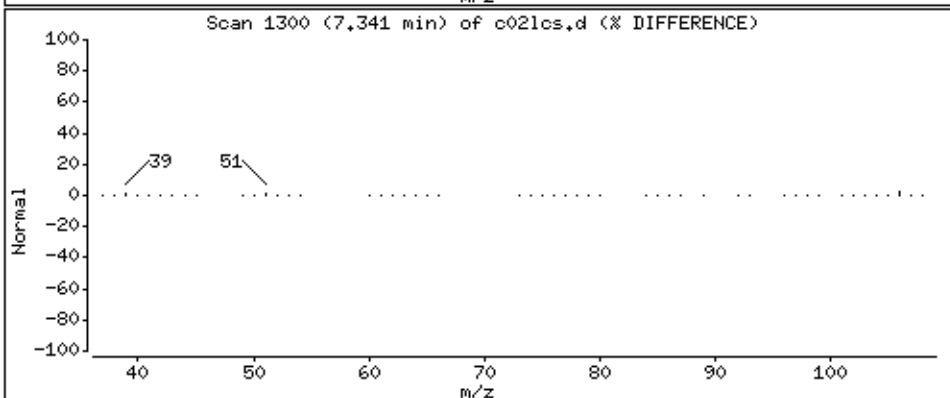
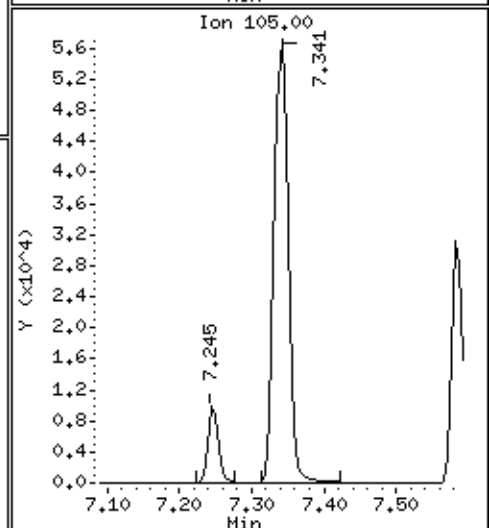
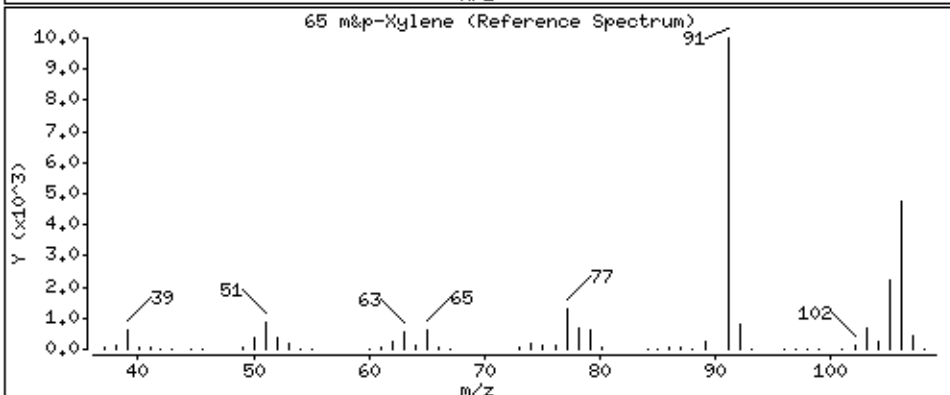
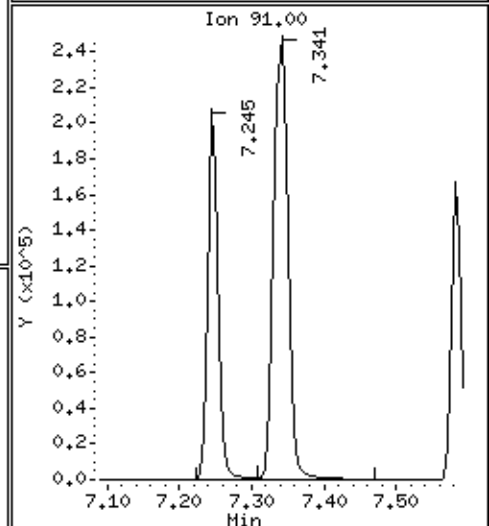
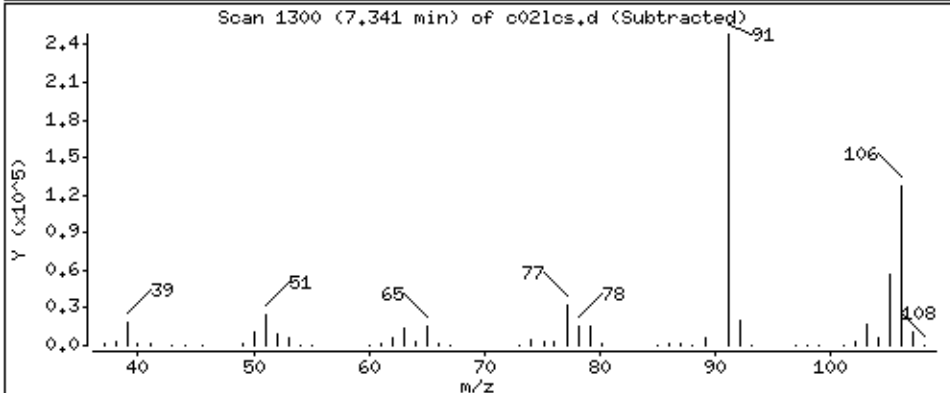
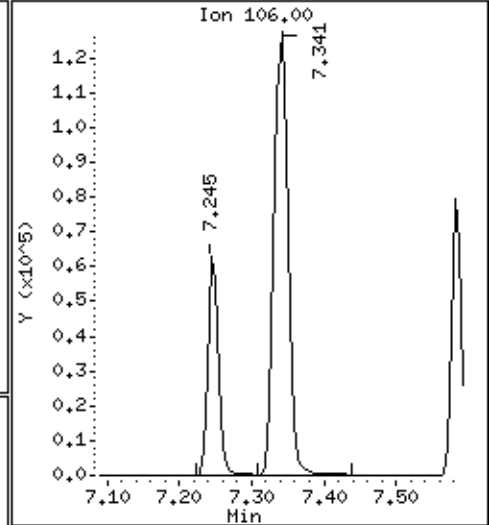
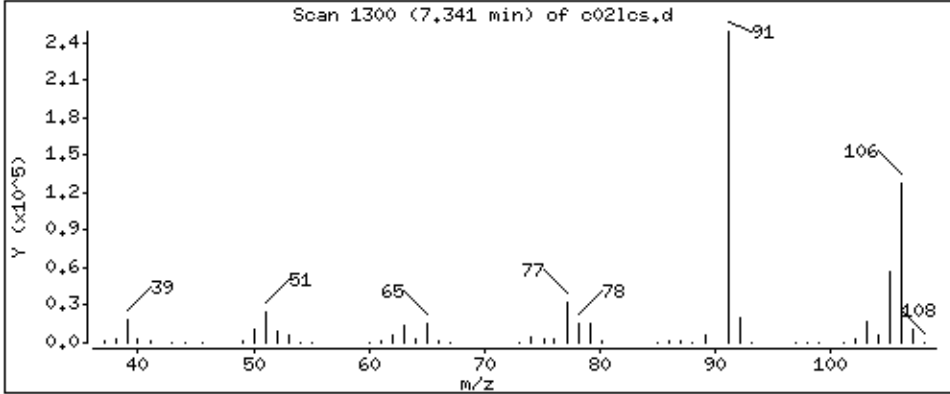
Operator: ala

Column phase: DB-624

Column diameter: 0,18

65 m&p-Xylene

Concentration: 95,9 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

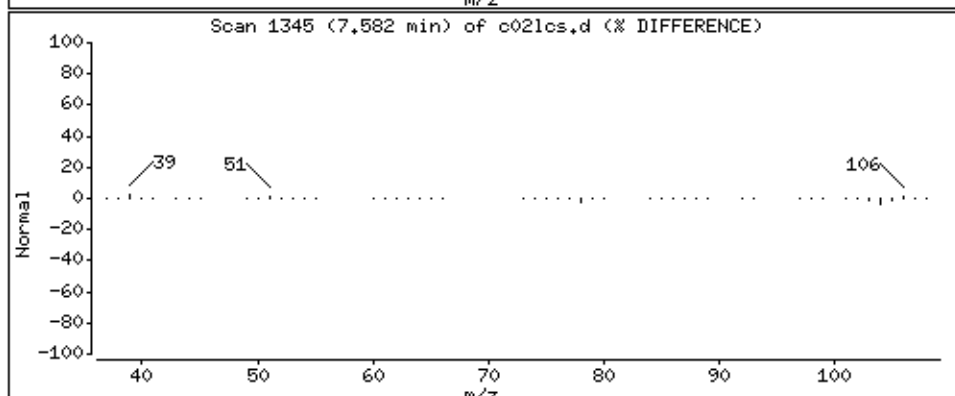
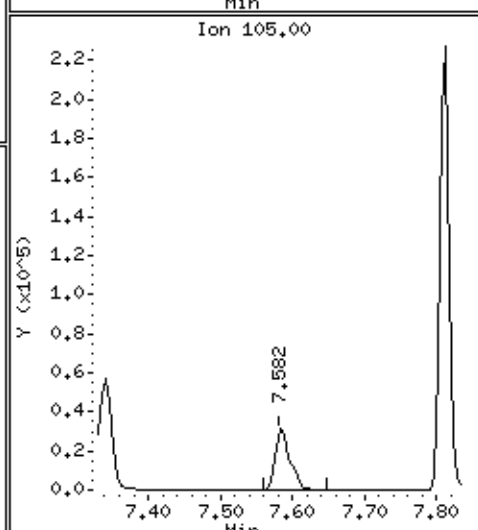
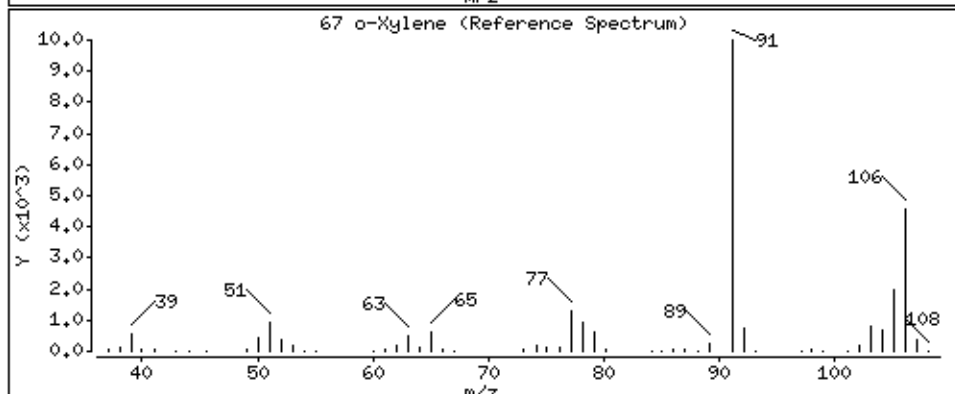
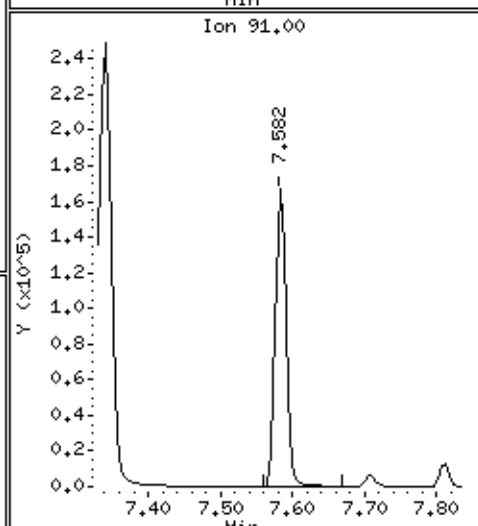
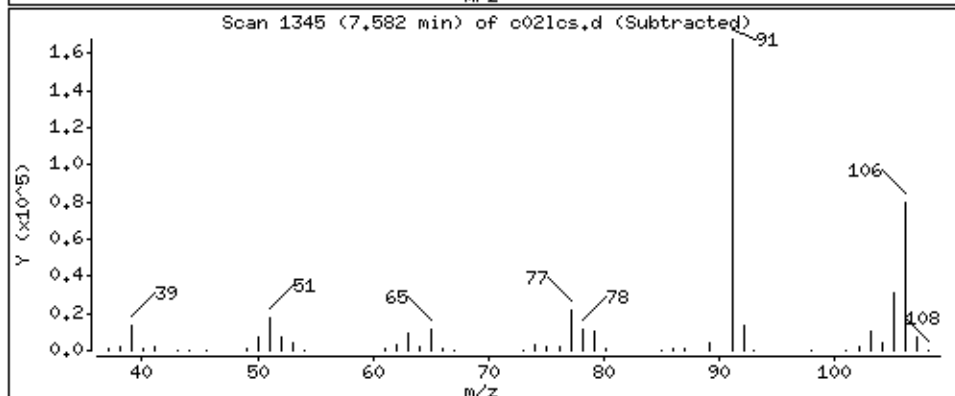
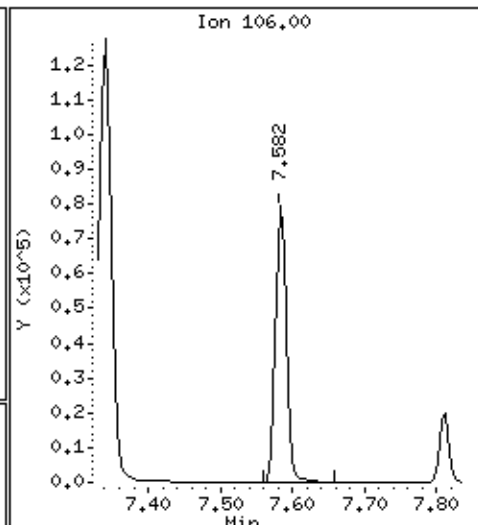
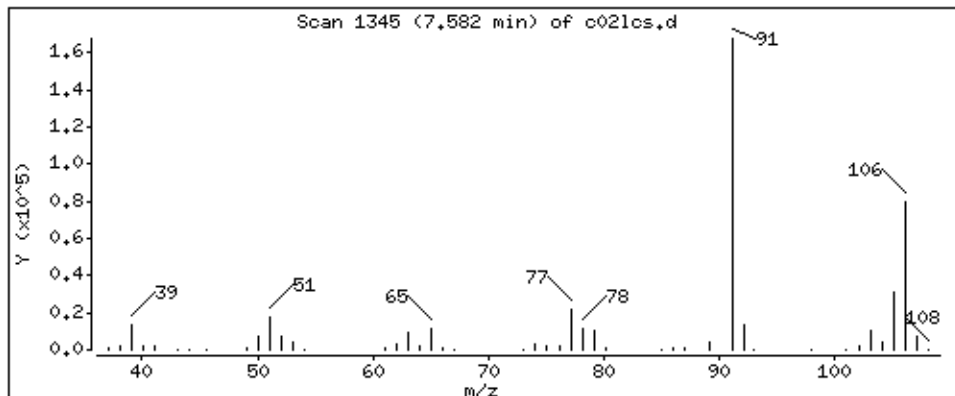
Operator: ala

Column phase: DB-624

Column diameter: 0,18

67 o-Xylene

Concentration: 50,7 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

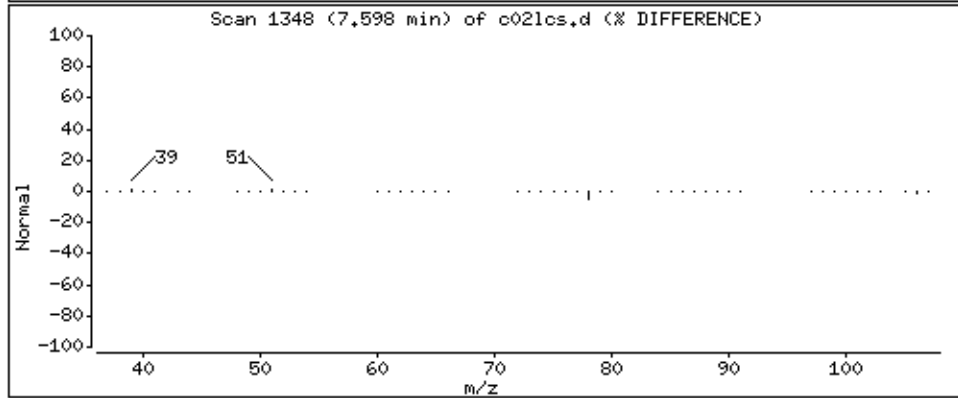
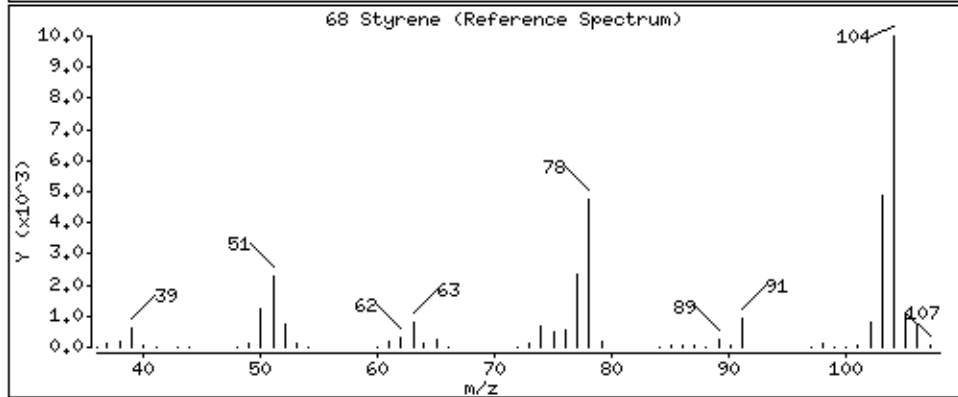
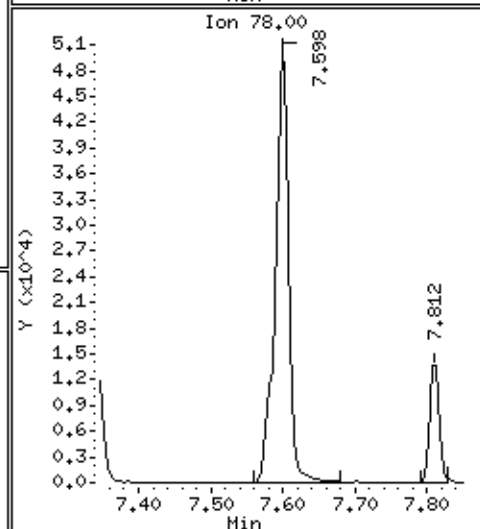
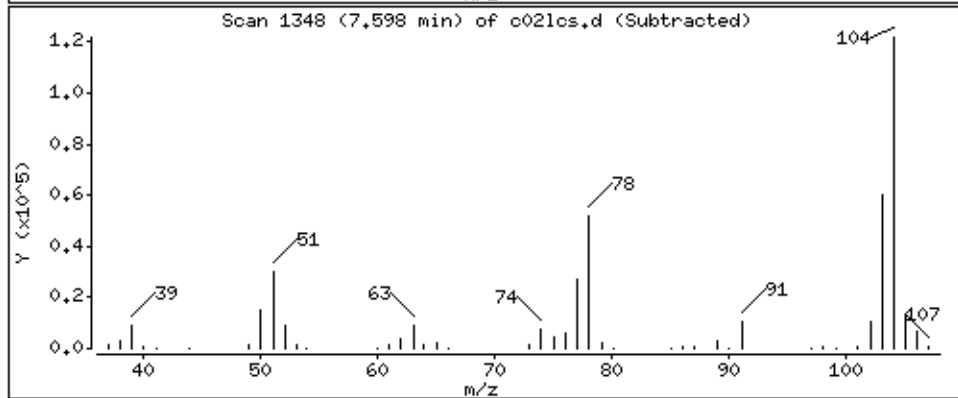
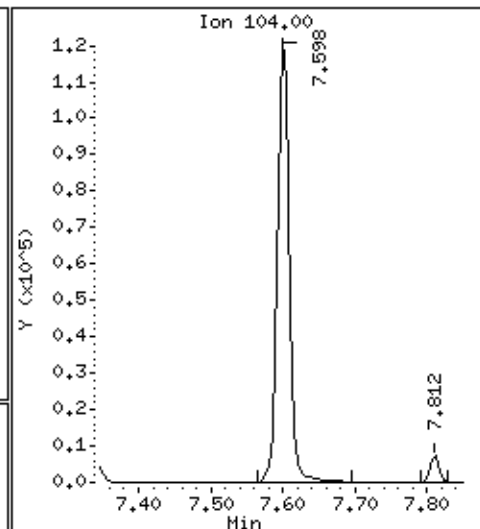
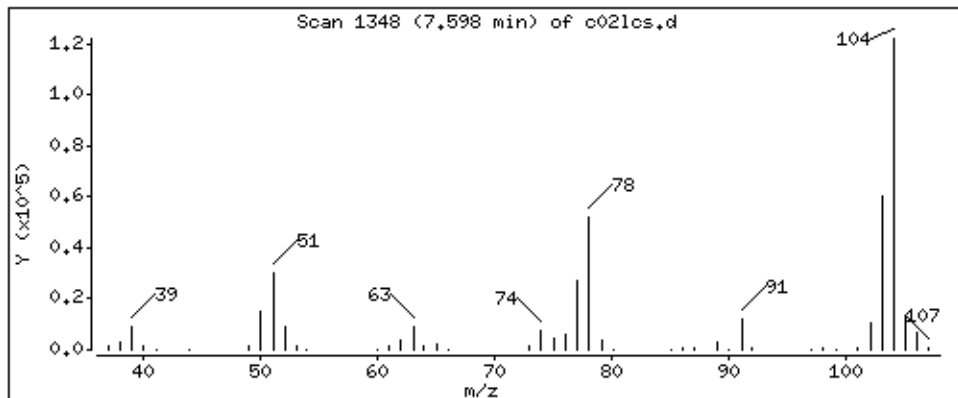
Operator: ala

Column phase: DB-624

Column diameter: 0,18

68 Styrene

Concentration: 48,1 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

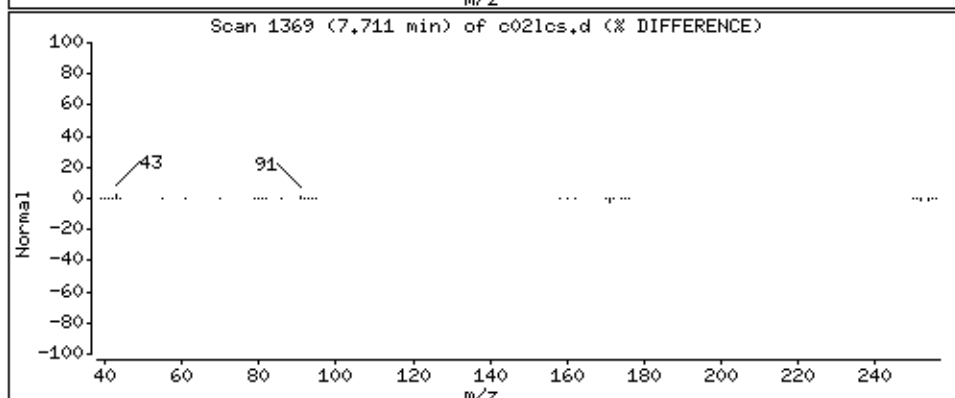
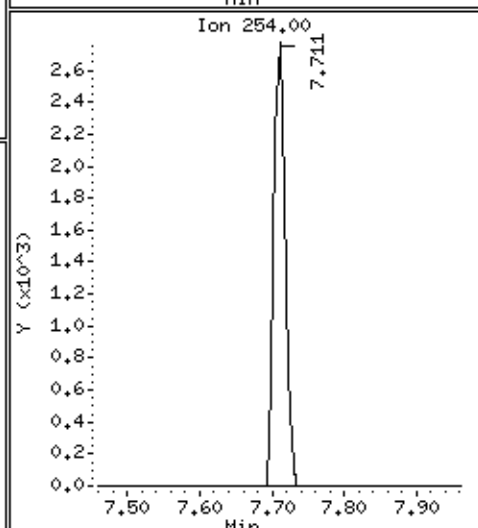
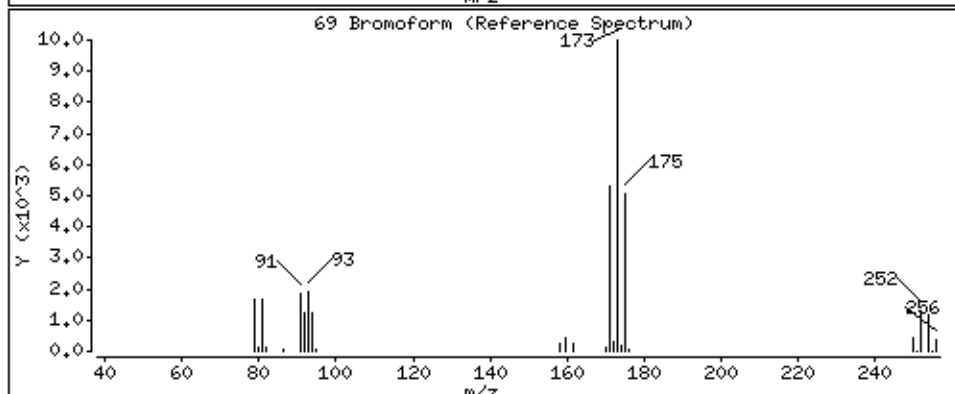
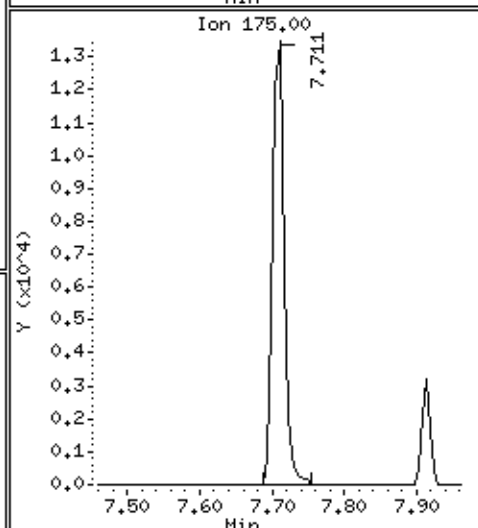
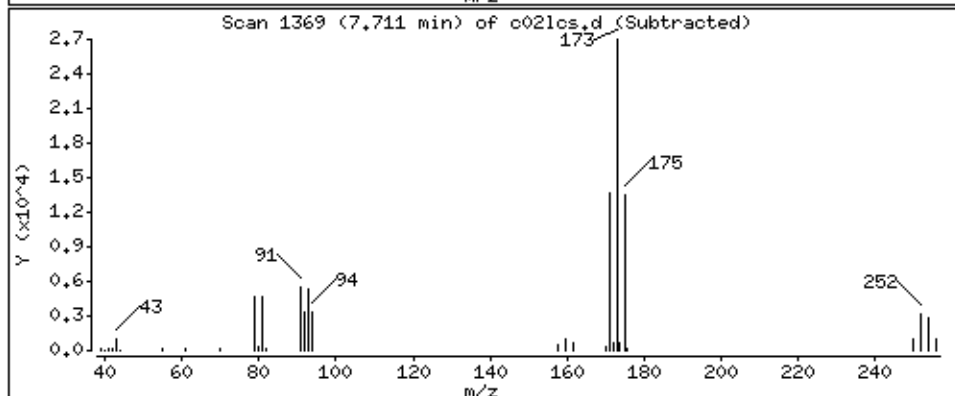
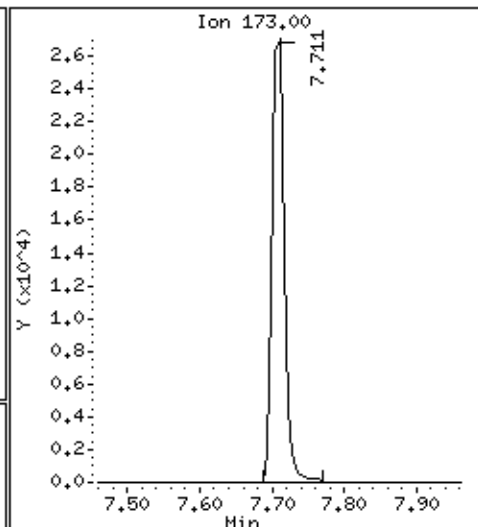
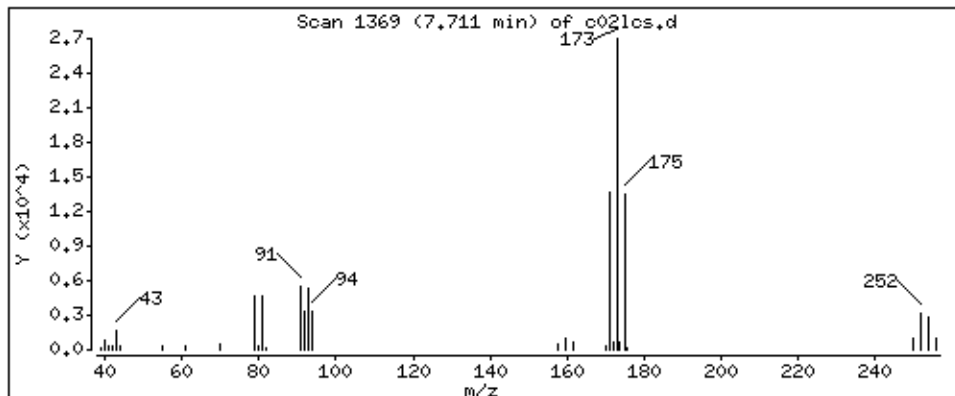
Operator: ala

Column phase: DB-624

Column diameter: 0,18

69 Bromoform

Concentration: 48,4 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

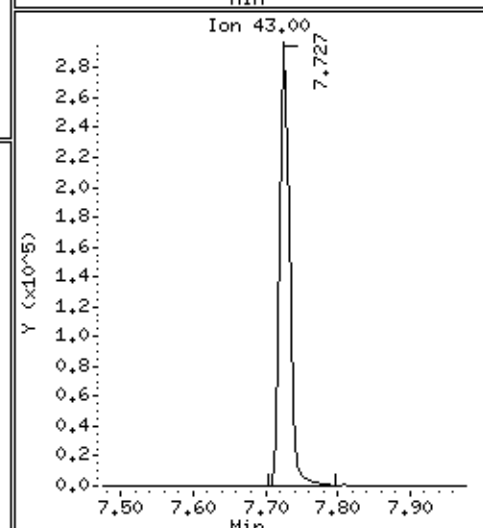
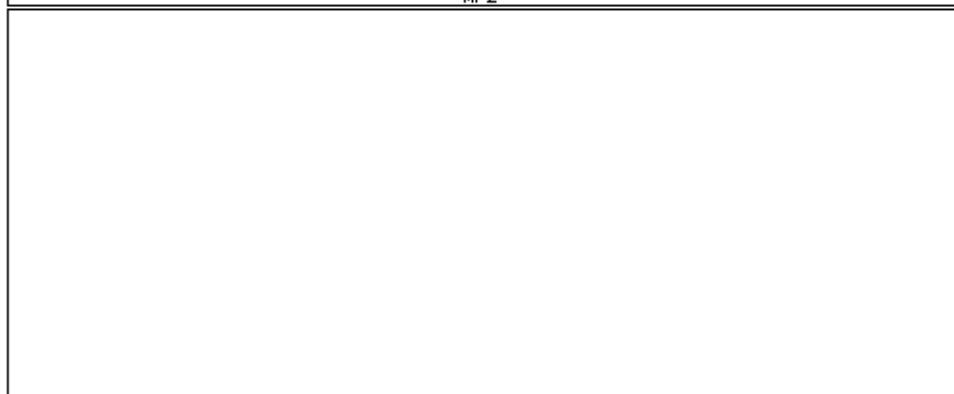
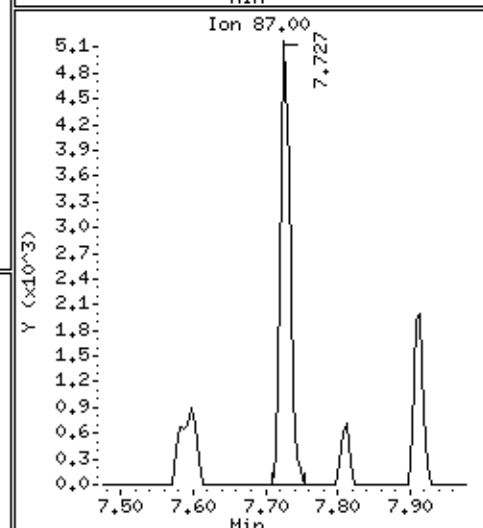
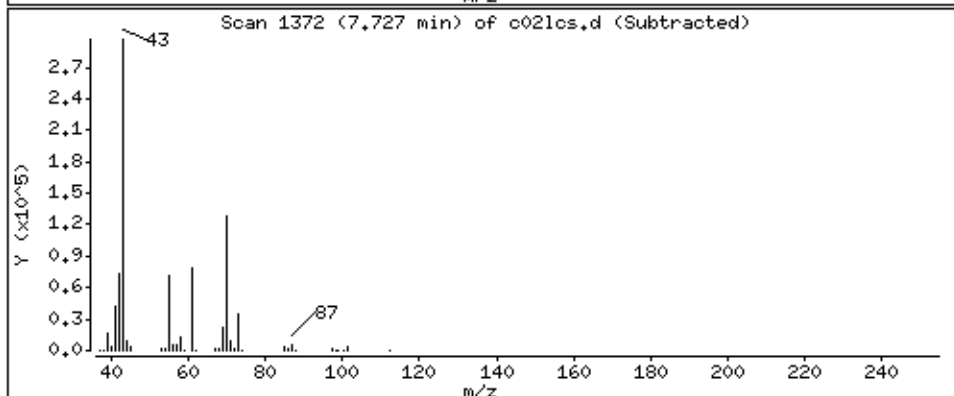
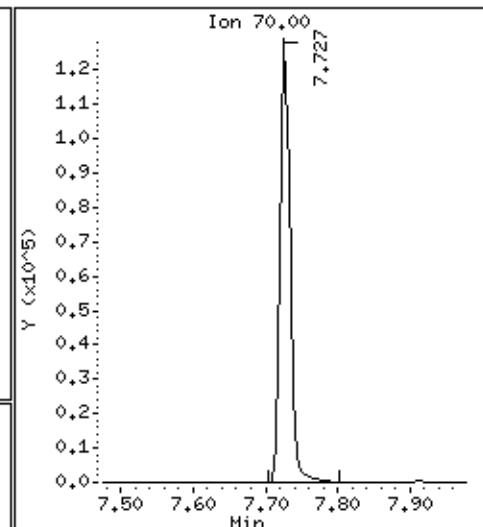
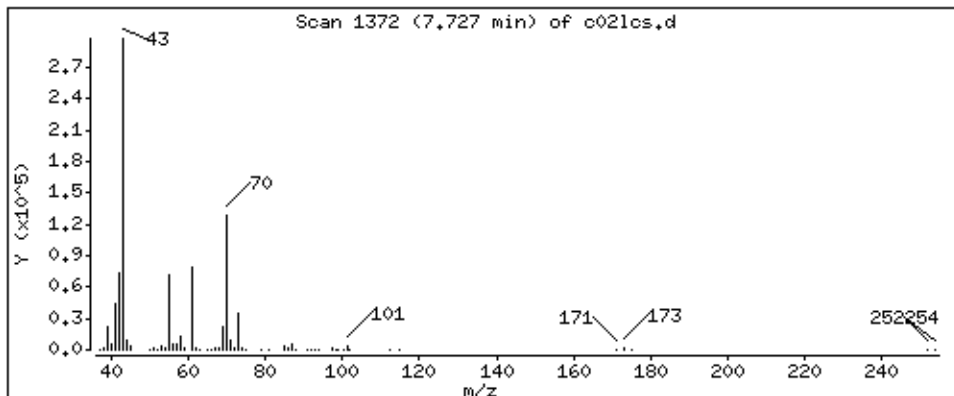
Operator: ala

Column phase: DB-624

Column diameter: 0,18

146 n-amyl acetate

Concentration: 200 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

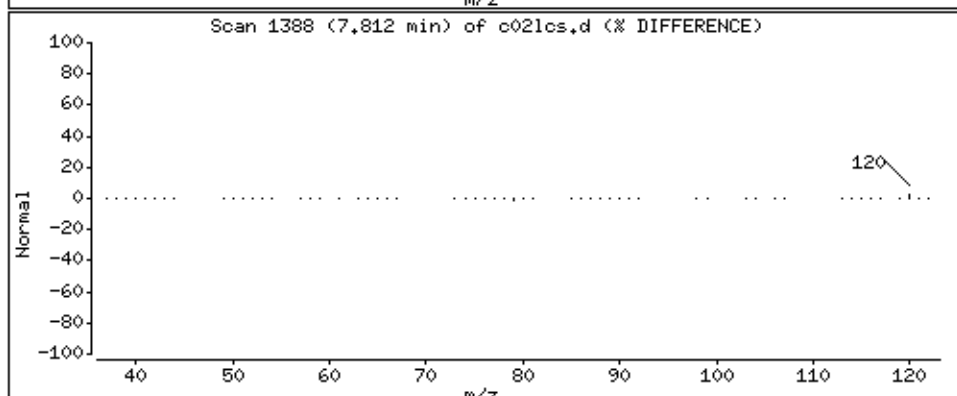
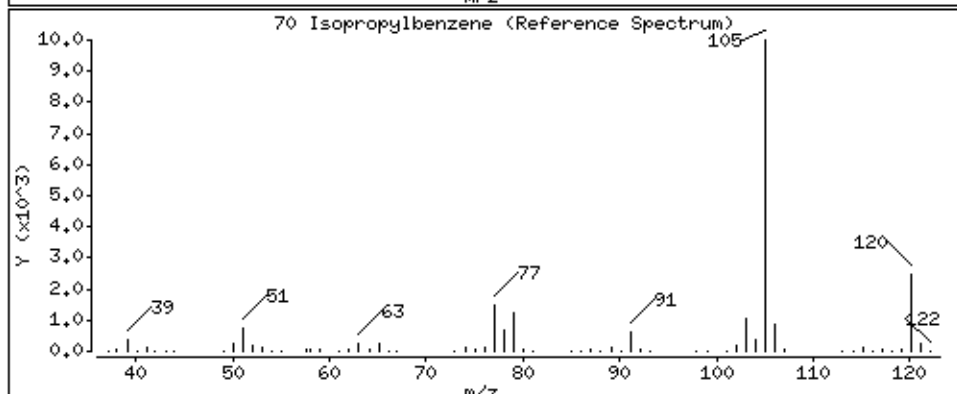
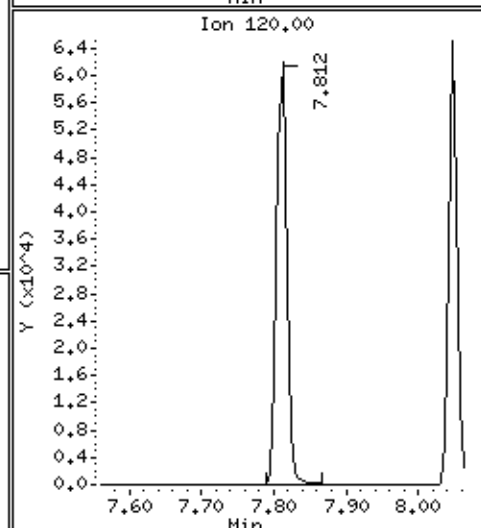
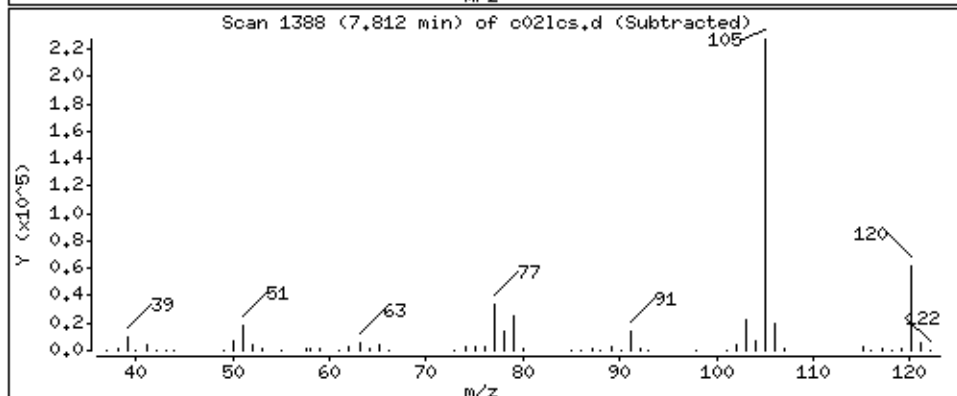
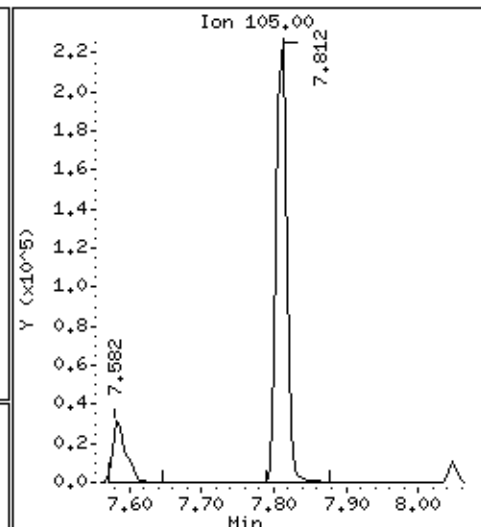
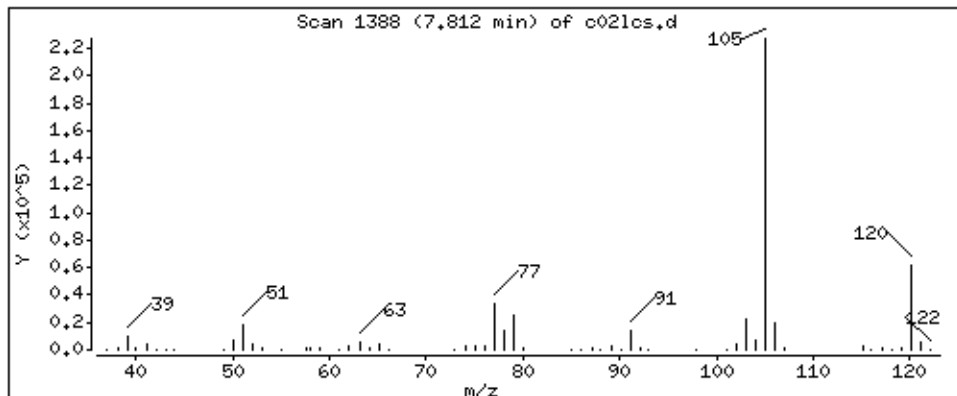
Operator: ala

Column phase: DB-624

Column diameter: 0,18

70 Isopropylbenzene

Concentration: 49.2 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

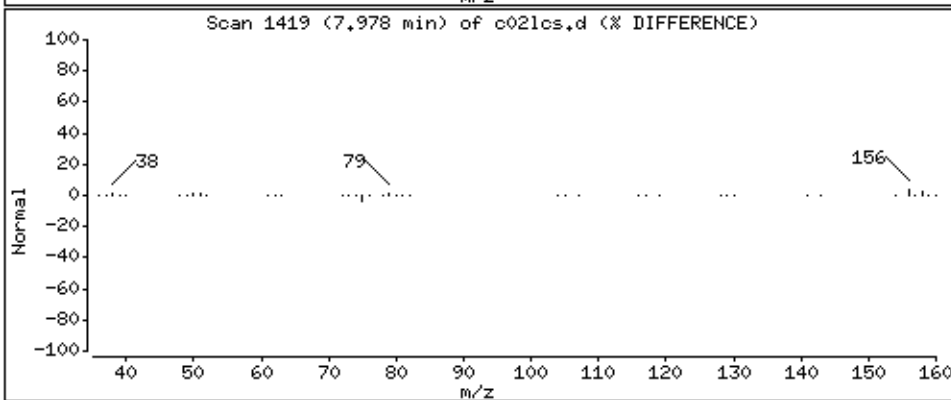
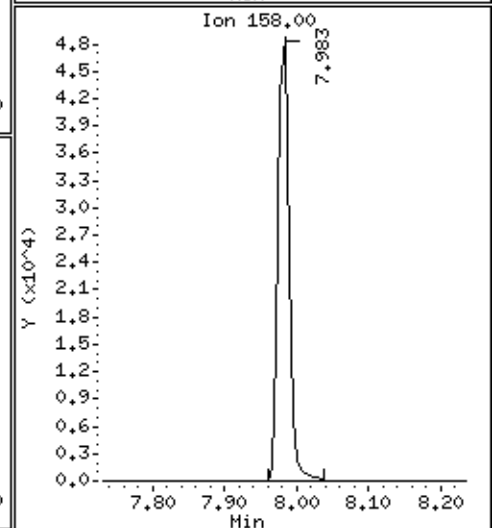
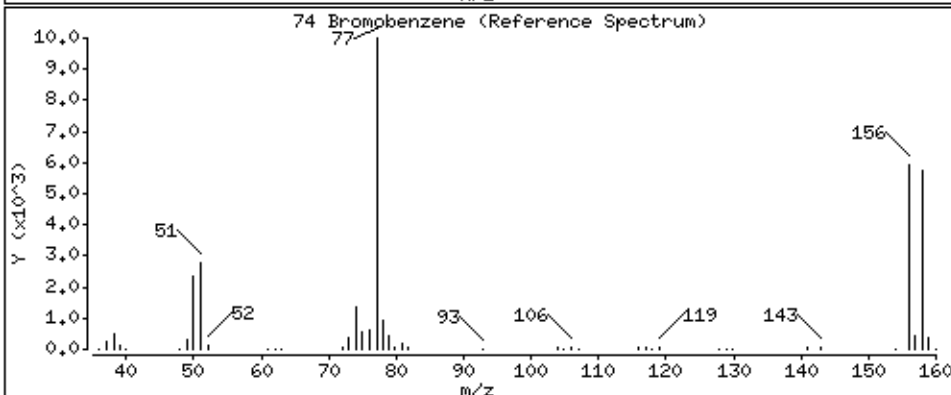
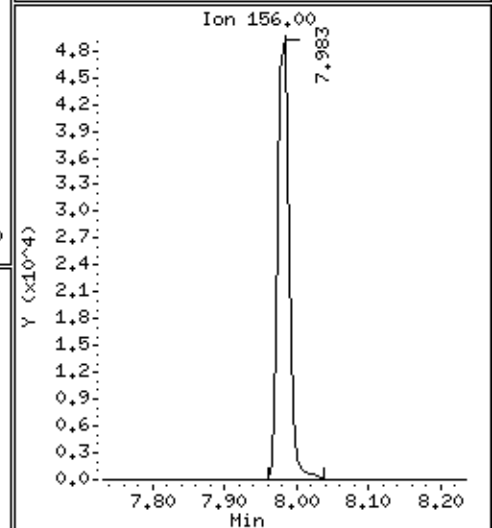
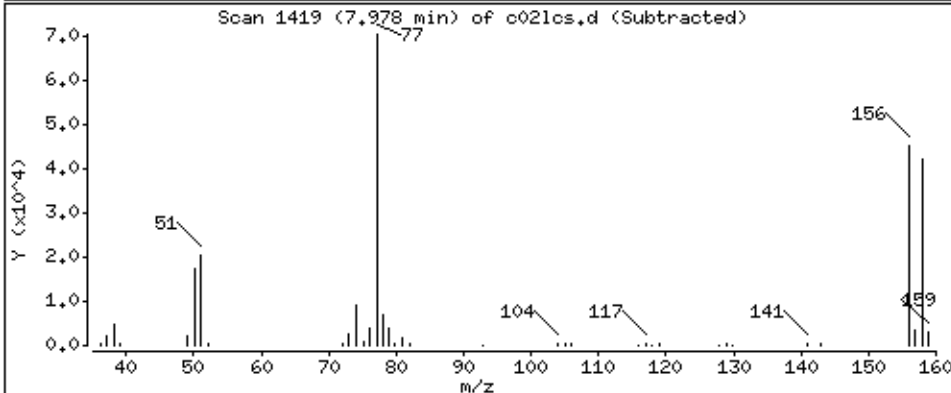
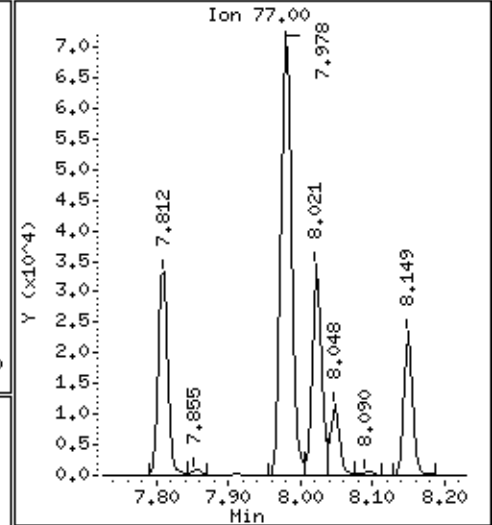
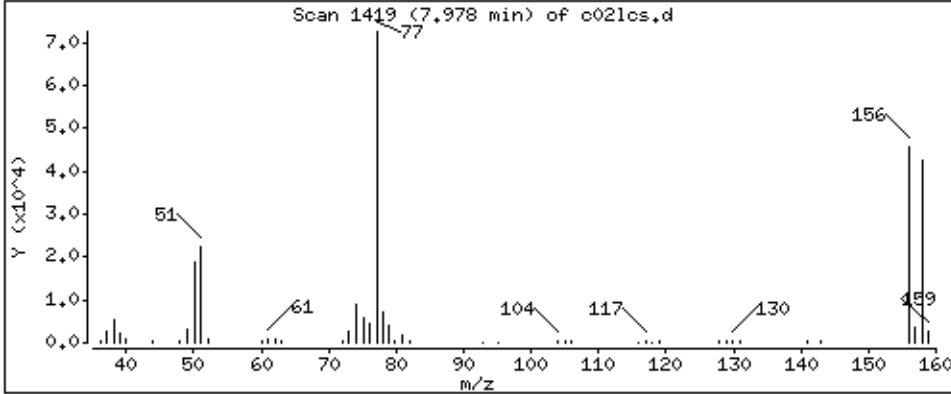
Operator: ala

Column phase: DB-624

Column diameter: 0,18

74 Bromobenzene

Concentration: 45,2 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730;5

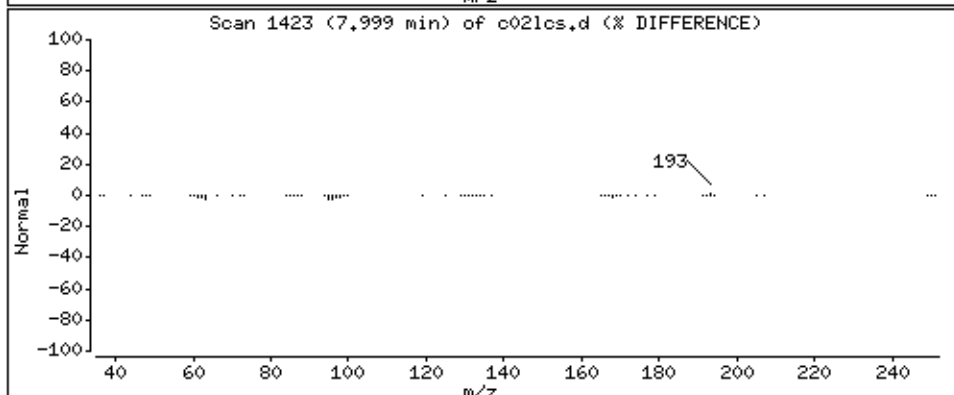
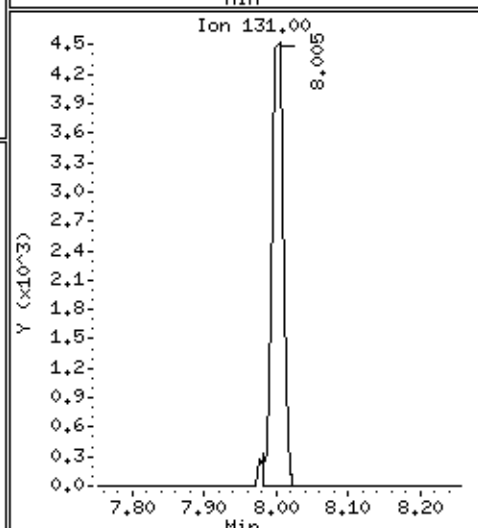
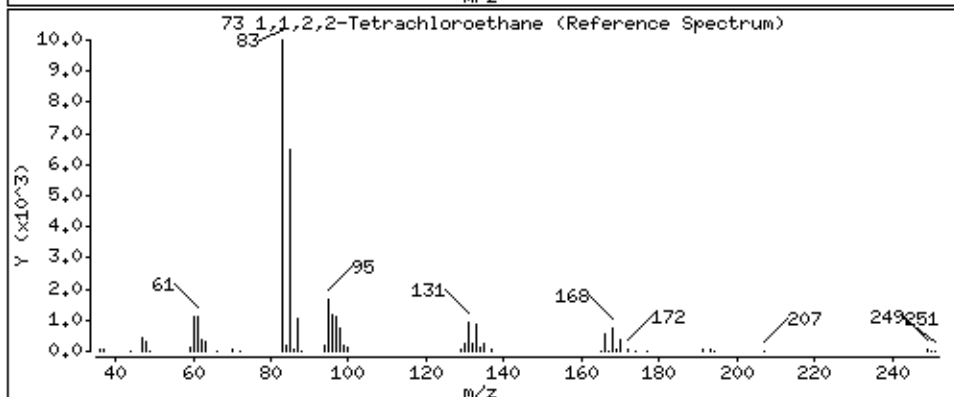
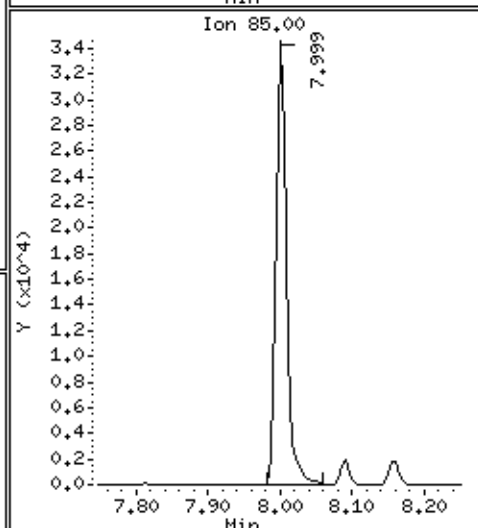
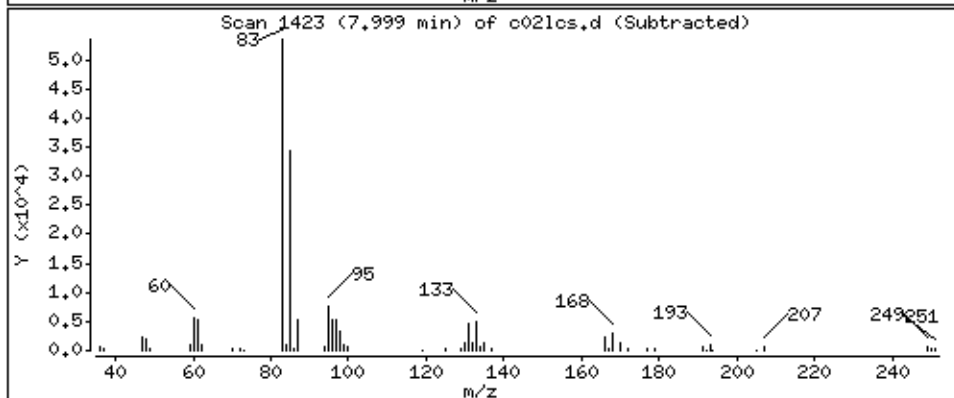
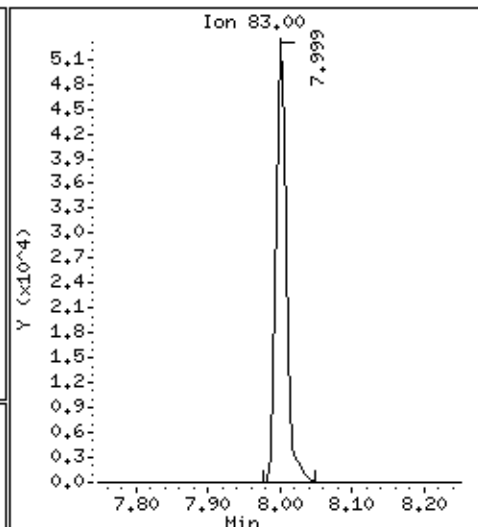
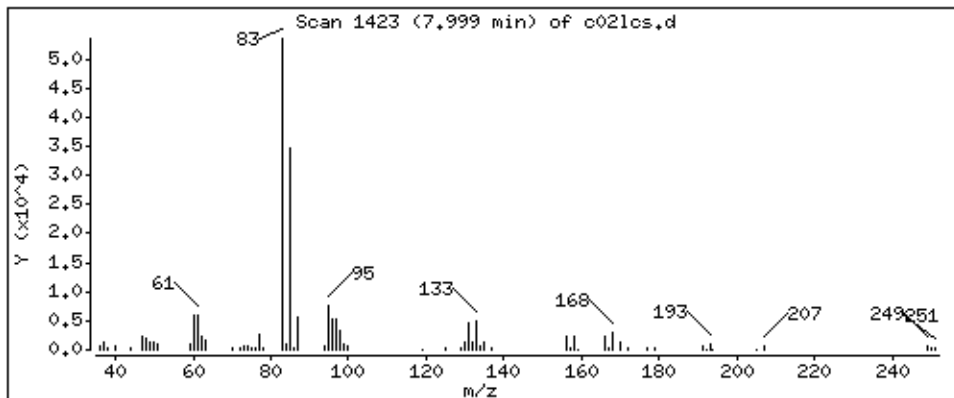
Operator: ala

Column phase: DB-624

Column diameter: 0,18

73 1,1,2,2-Tetrachloroethane

Concentration: 45,7 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

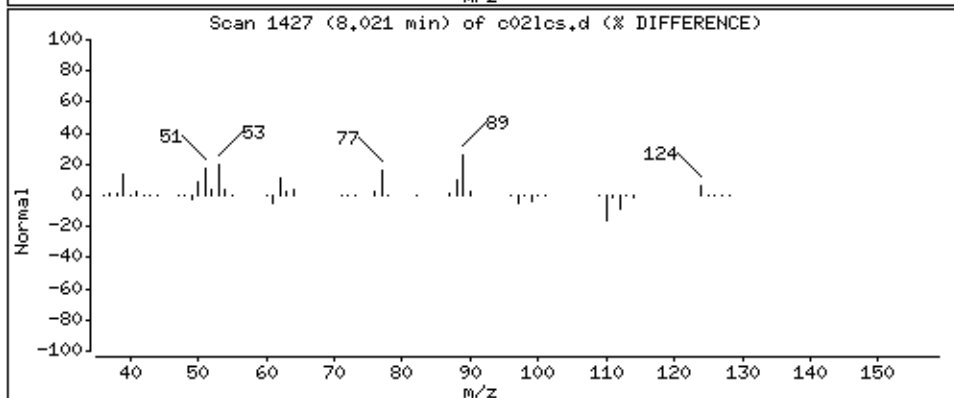
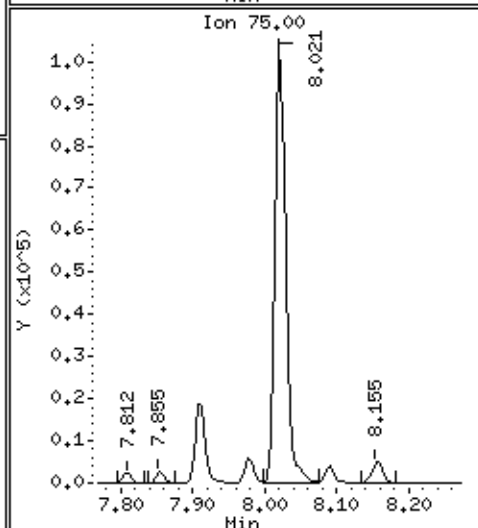
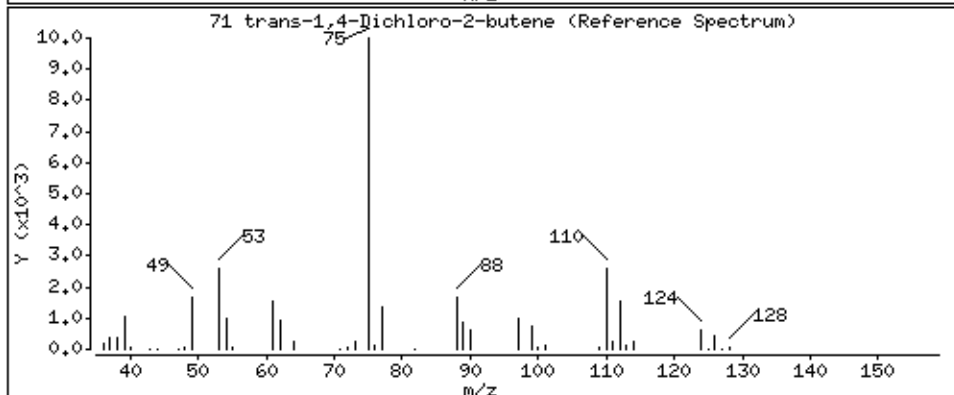
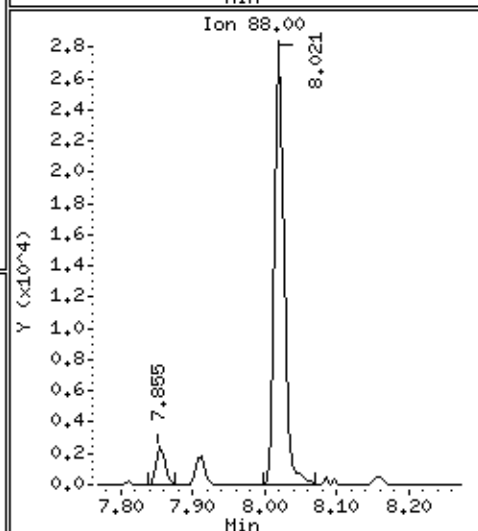
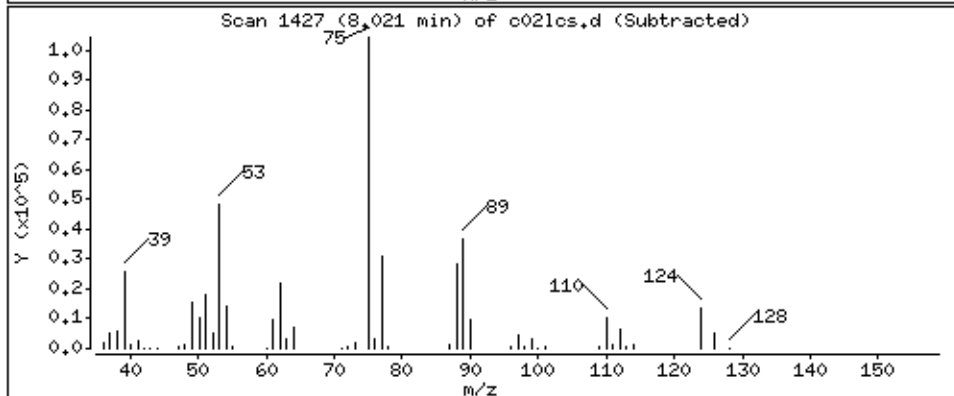
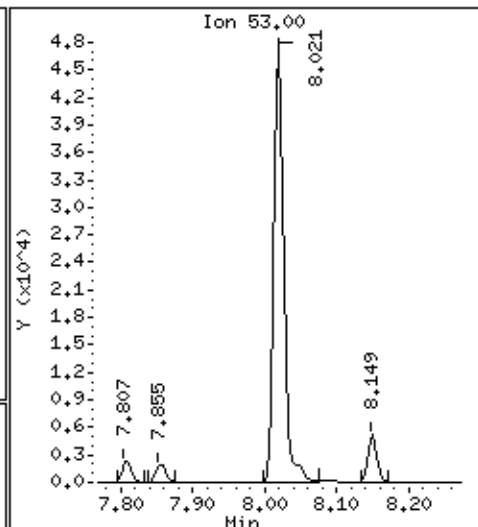
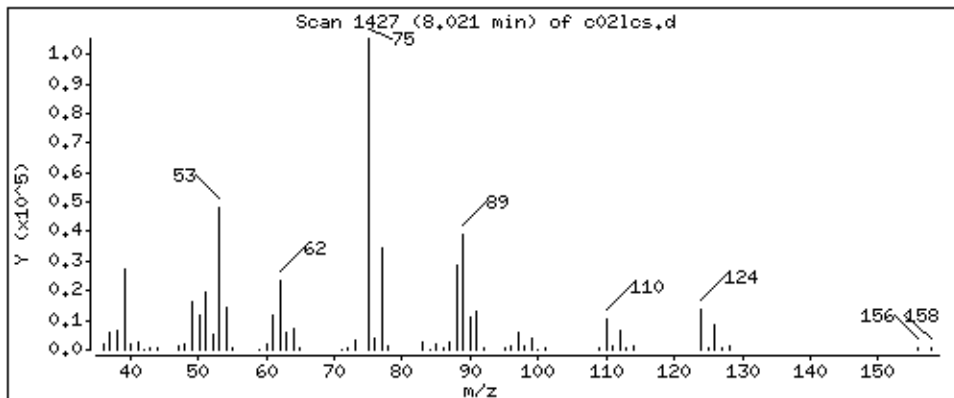
Operator: ala

Column phase: DB-624

Column diameter: 0,18

71 trans-1,4-Dichloro-2-butene

Concentration: 159 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

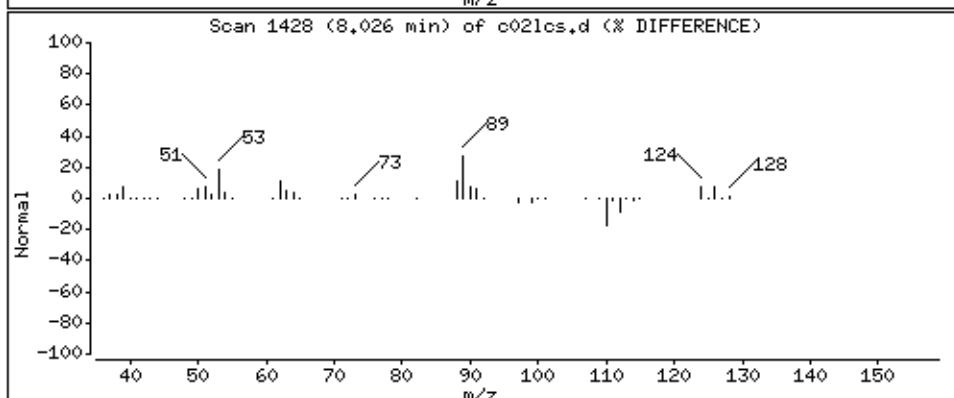
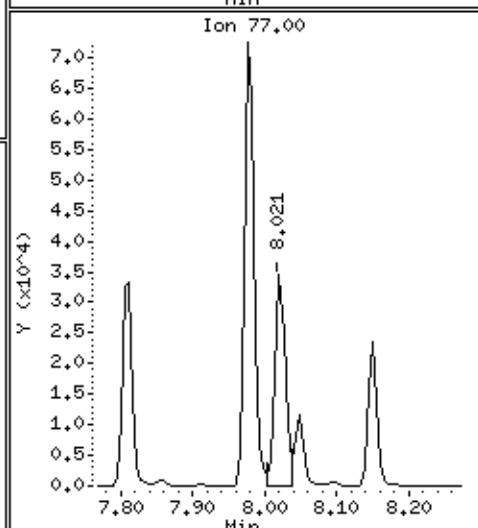
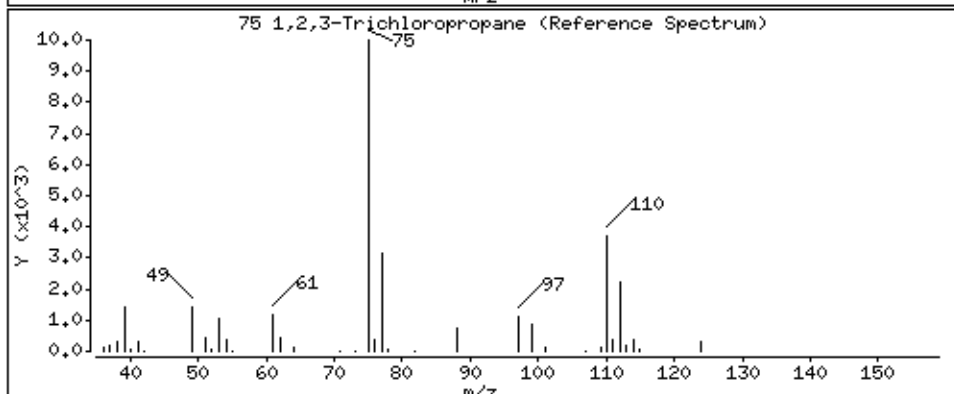
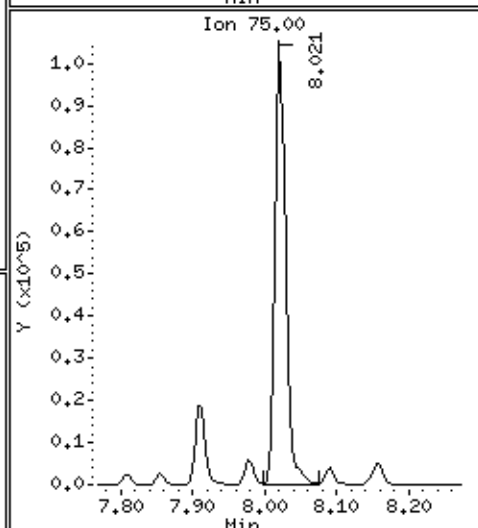
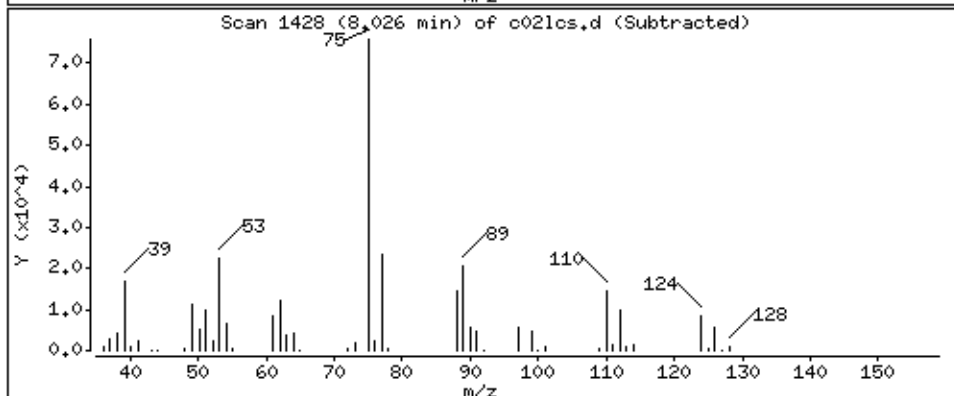
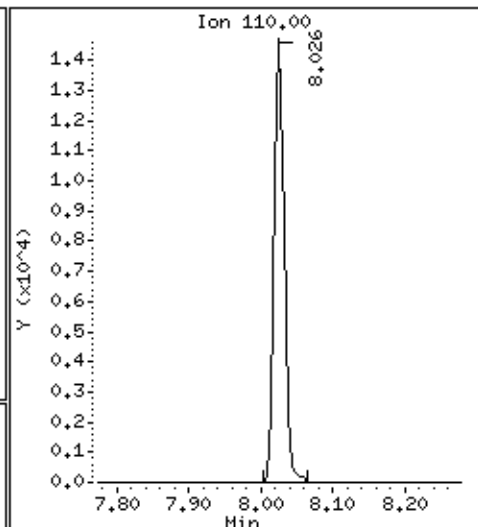
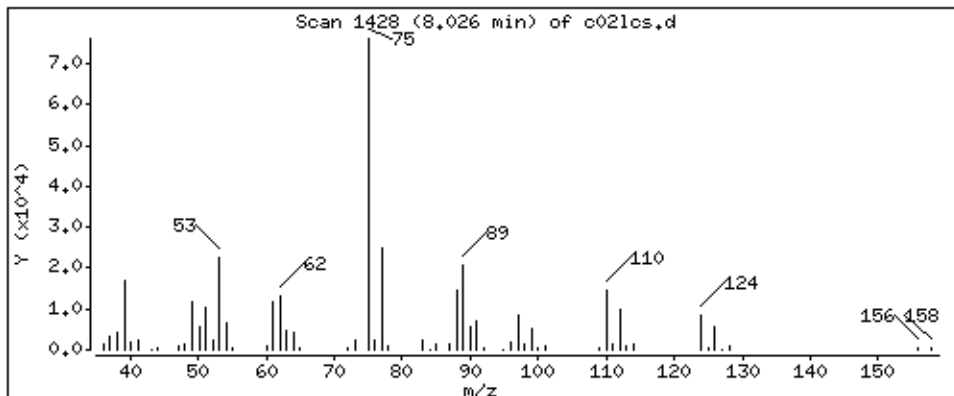
Operator: ala

Column phase: DB-624

Column diameter: 0,18

75 1,2,3-Trichloropropane

Concentration: 49,6 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730;5

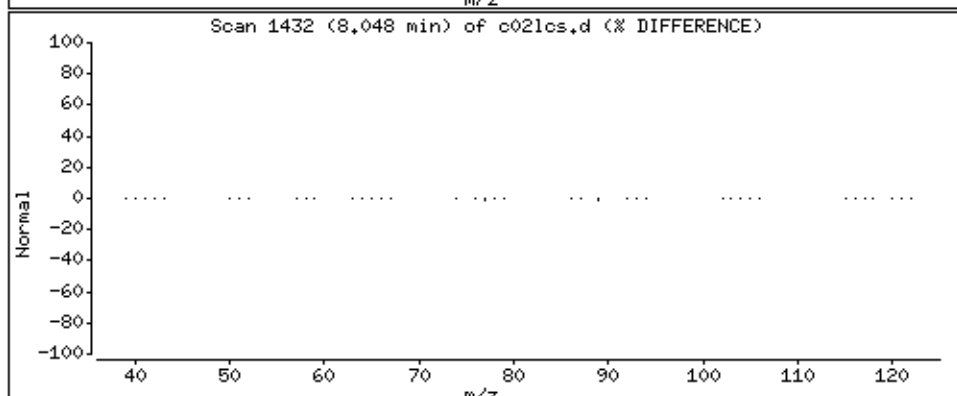
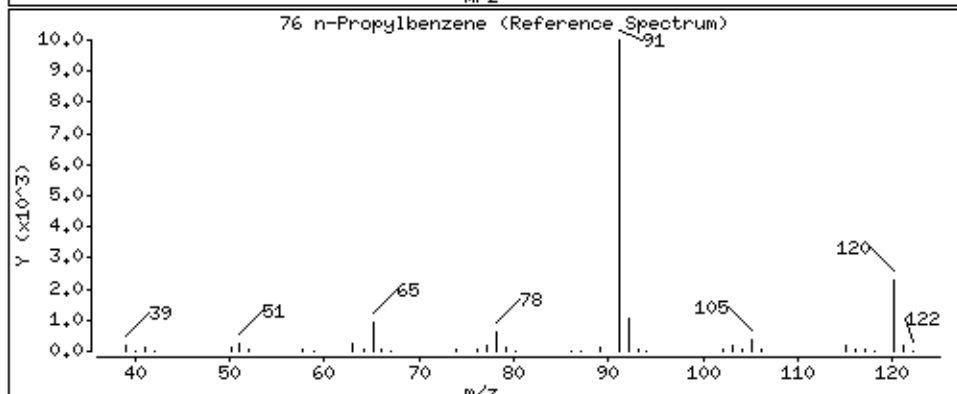
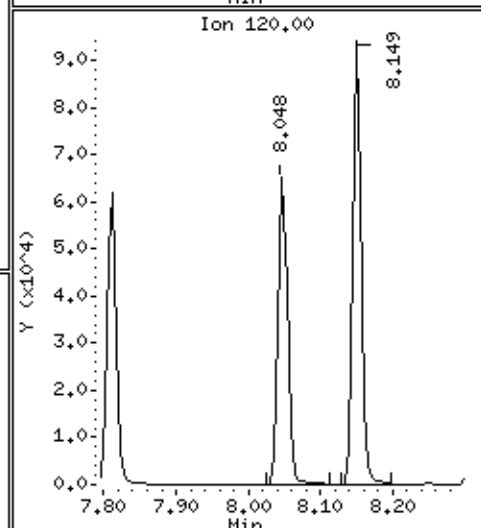
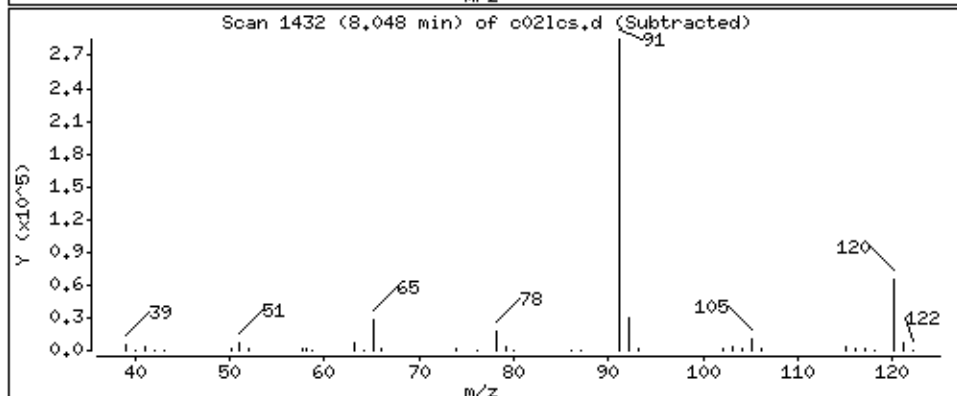
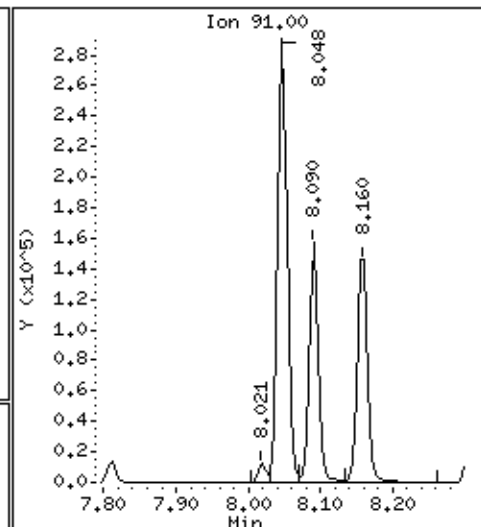
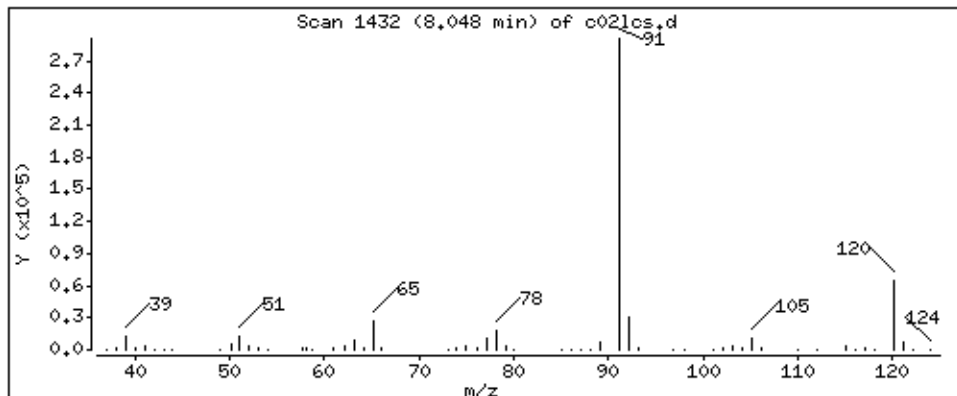
Operator: ala

Column phase: DB-624

Column diameter: 0,18

76 n-Propylbenzene

Concentration: 46,4 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730;5

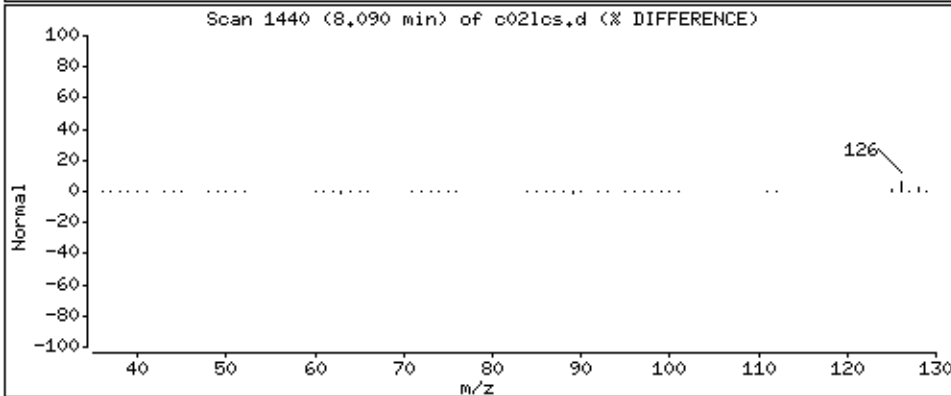
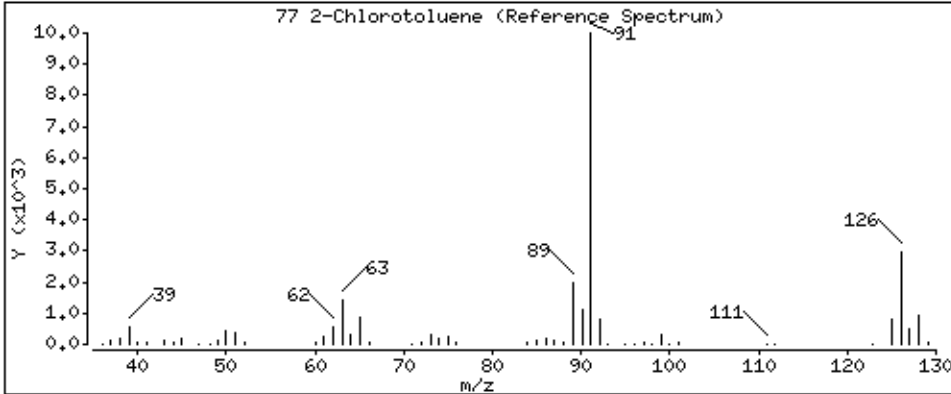
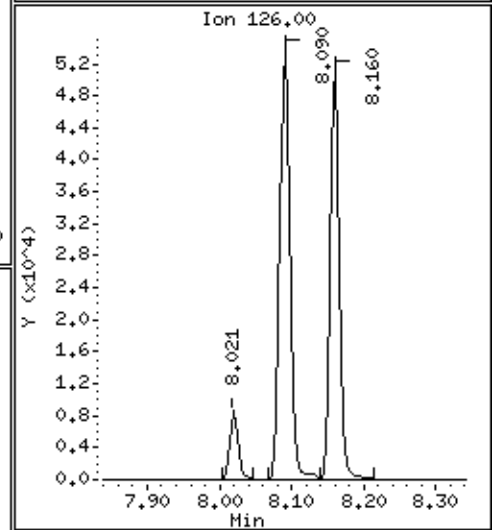
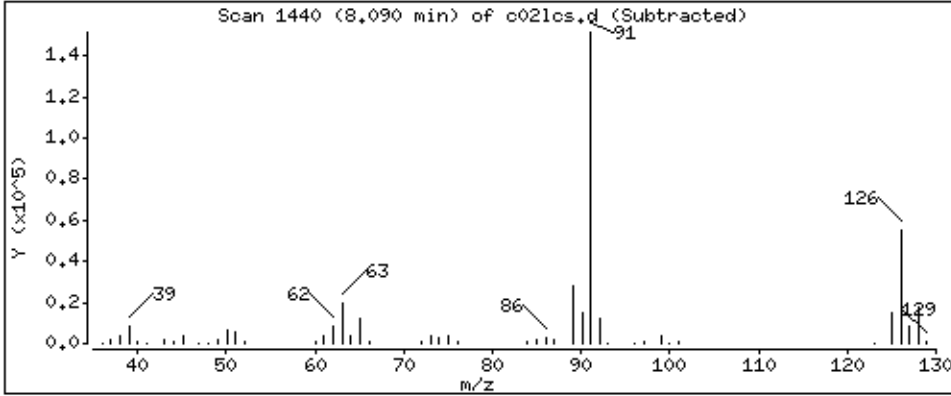
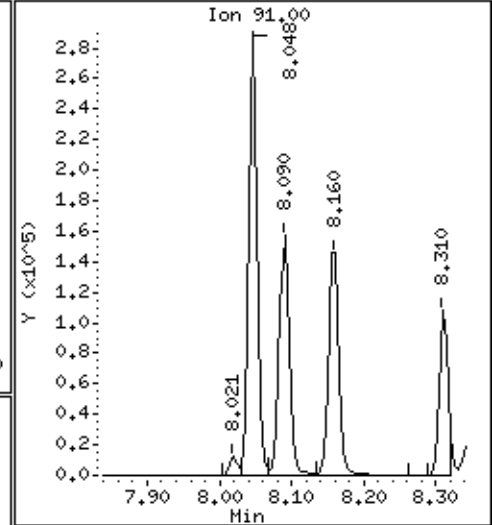
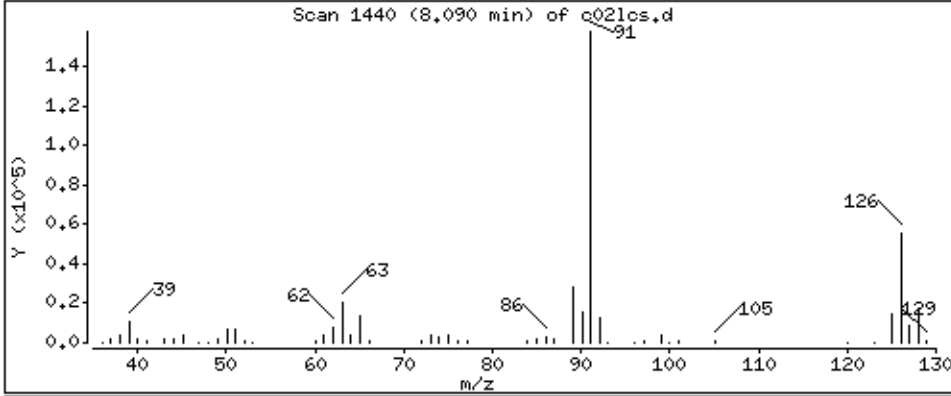
Operator: ala

Column phase: DB-624

Column diameter: 0,18

77 2-Chlorotoluene

Concentration: 48,1 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730;5

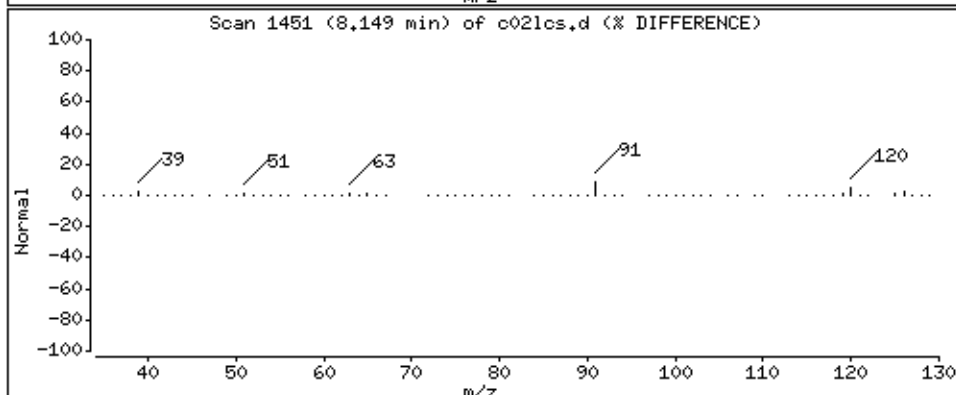
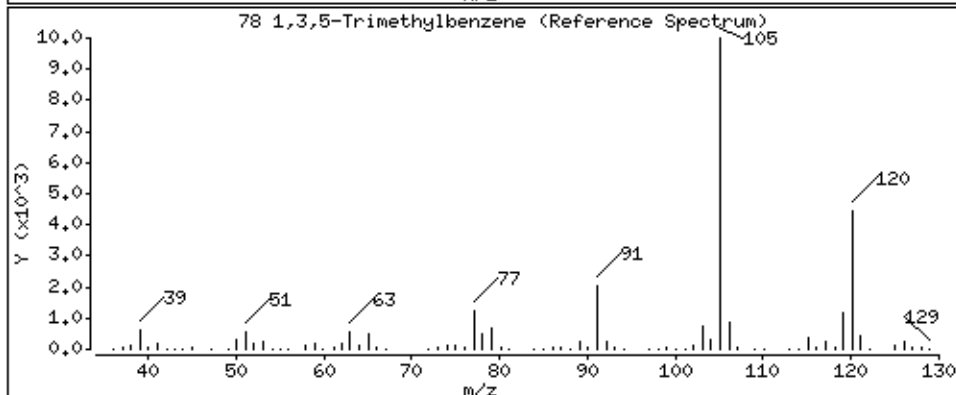
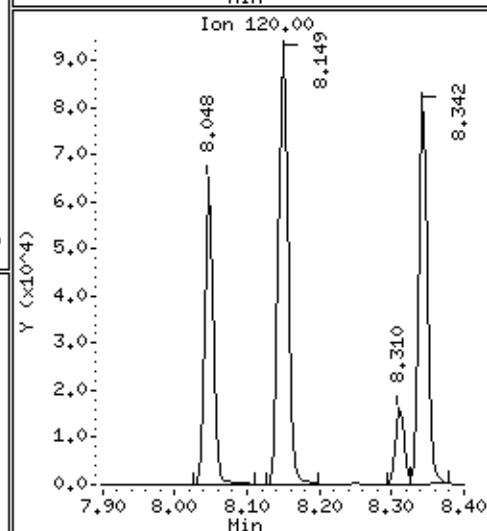
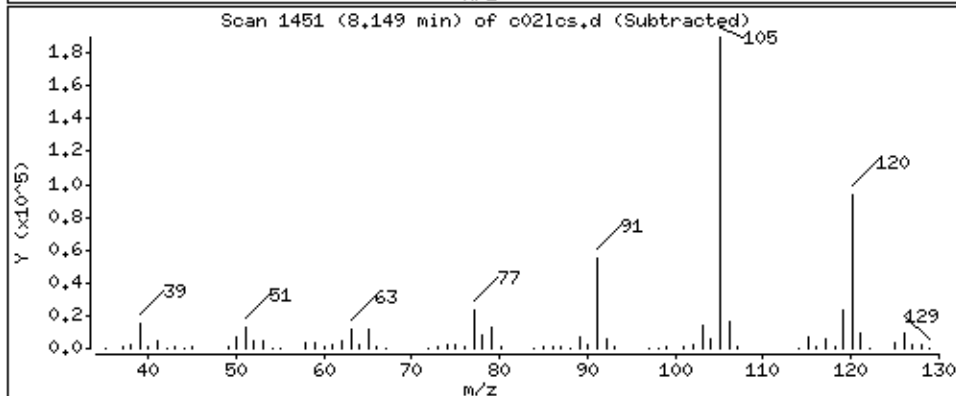
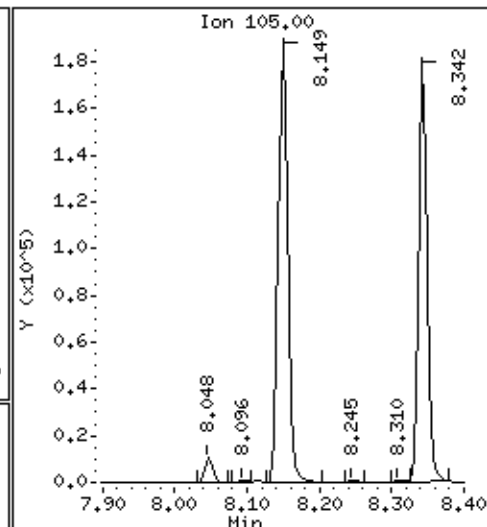
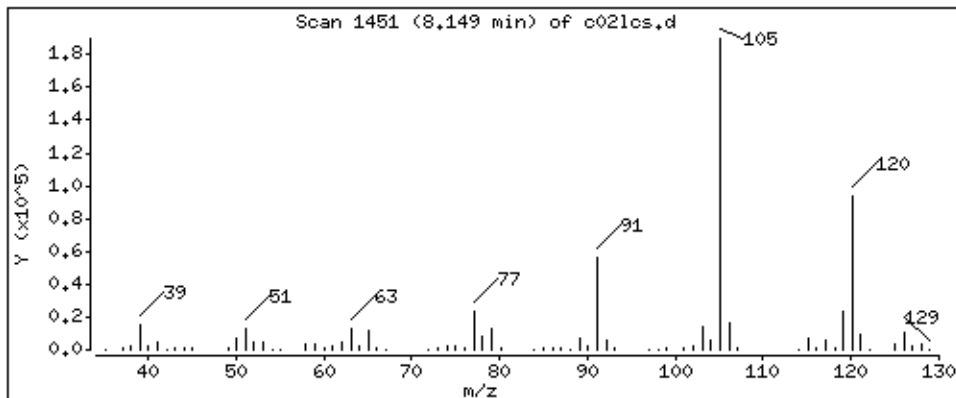
Operator: ala

Column phase: DB-624

Column diameter: 0,18

78 1,3,5-Trimethylbenzene

Concentration: 48,8 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

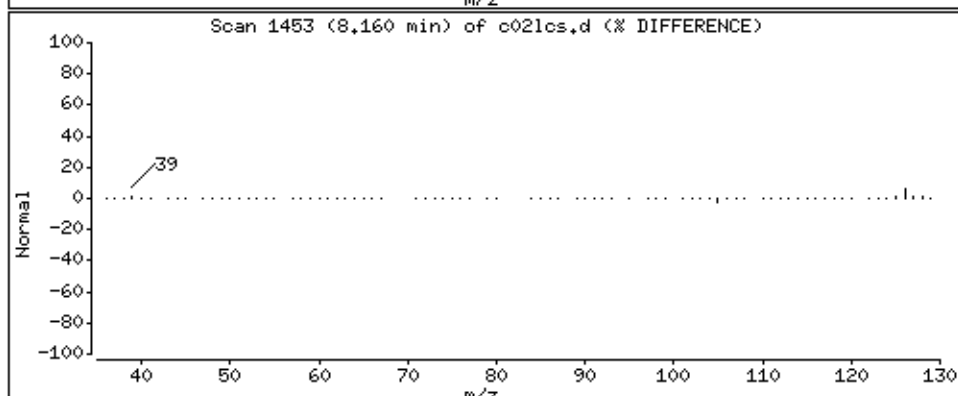
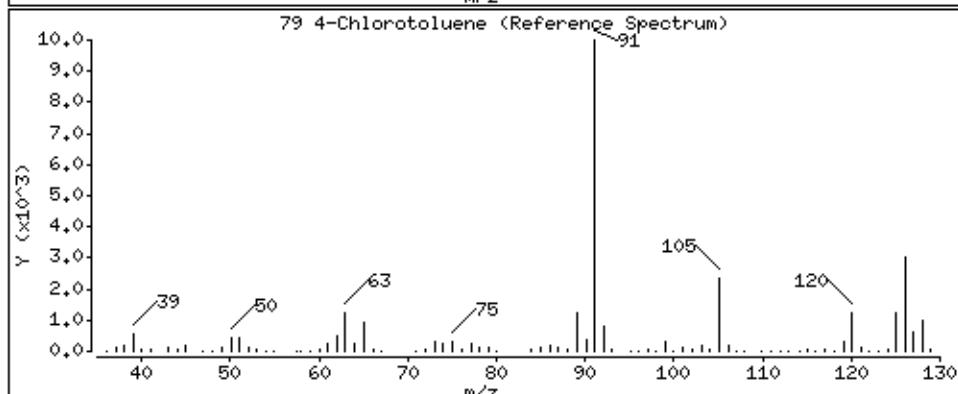
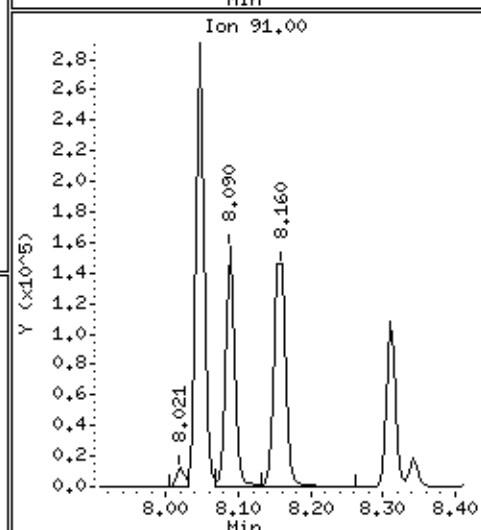
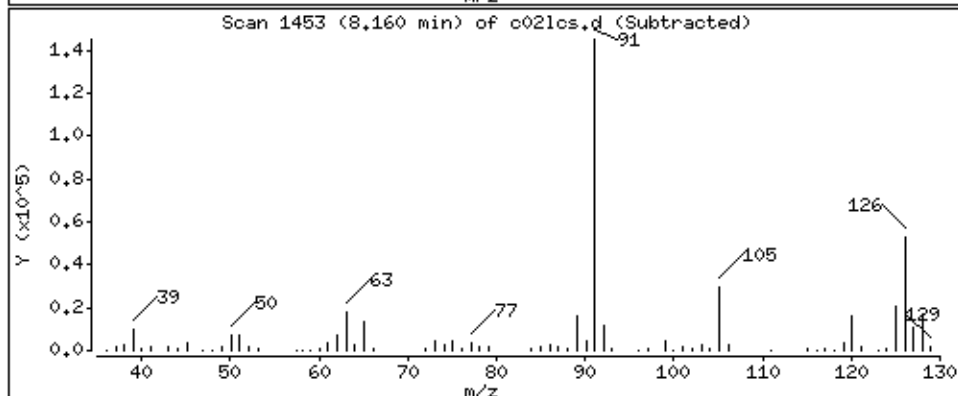
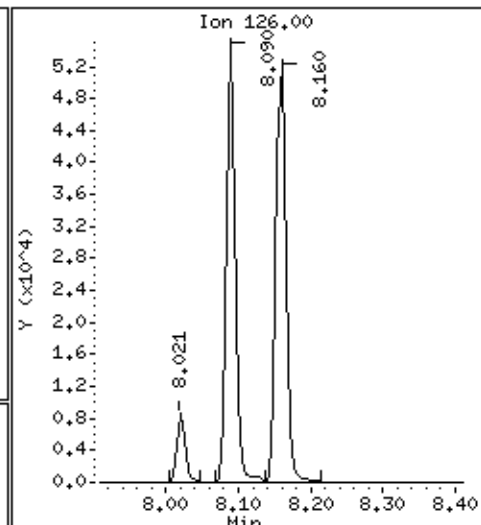
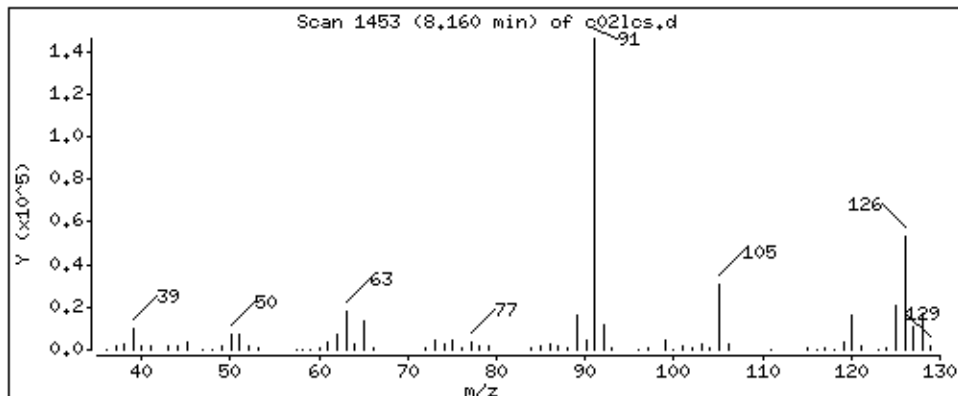
Operator: ala

Column phase: DB-624

Column diameter: 0,18

79 4-Chlorotoluene

Concentration: 46,3 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

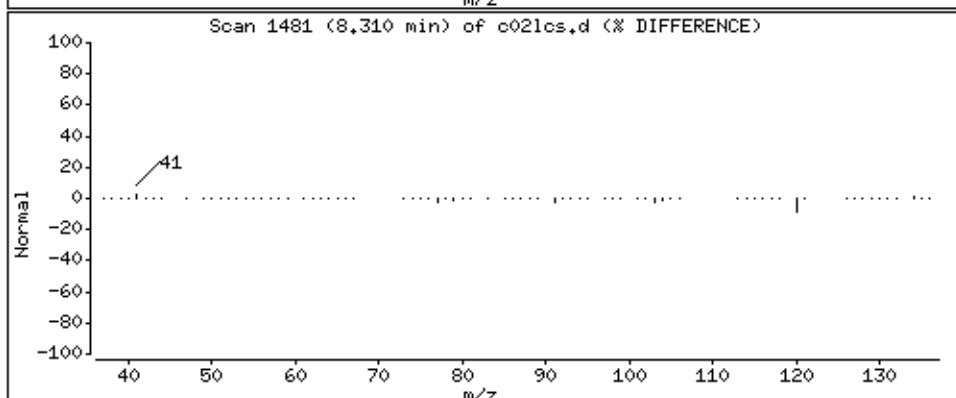
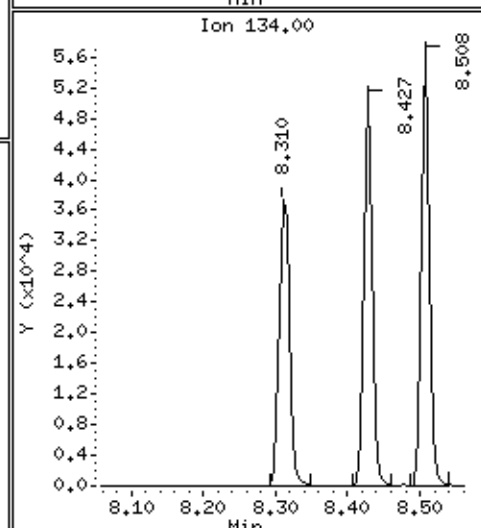
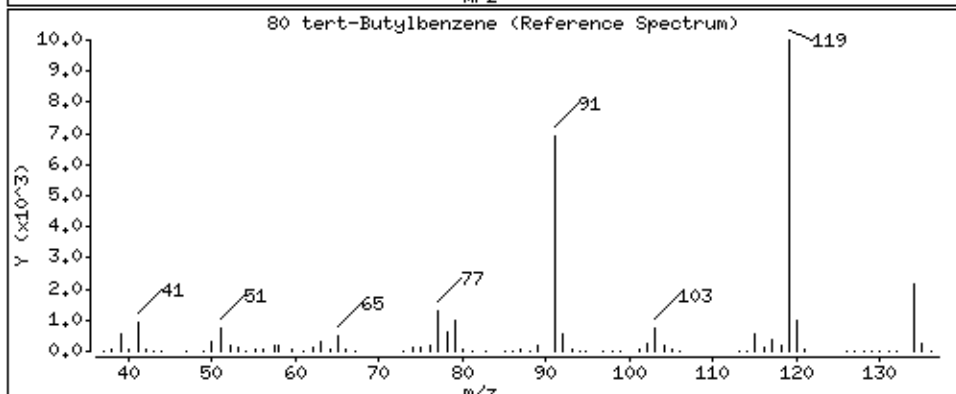
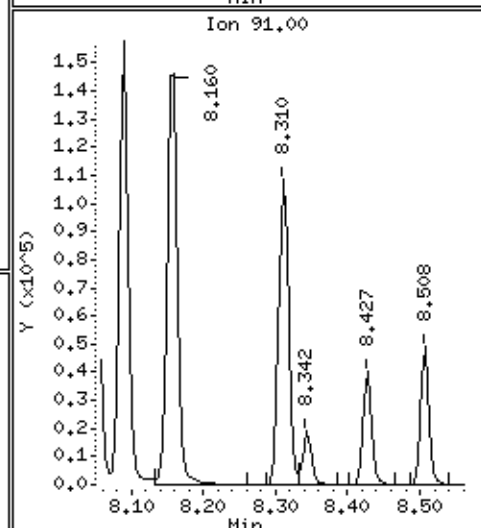
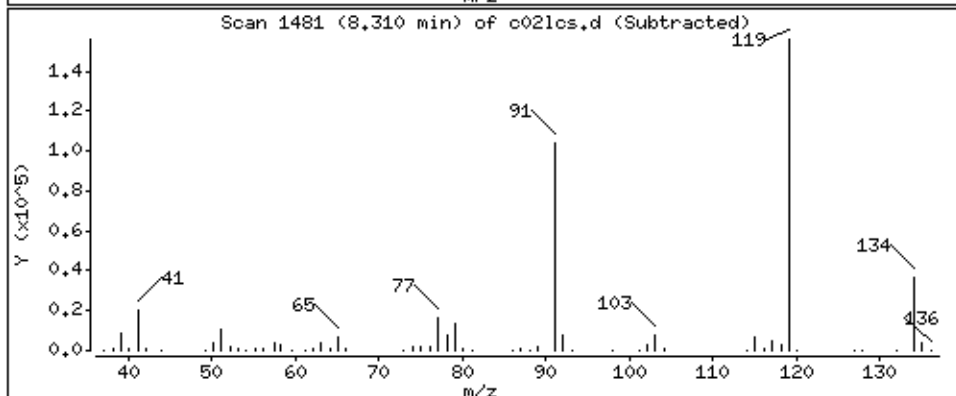
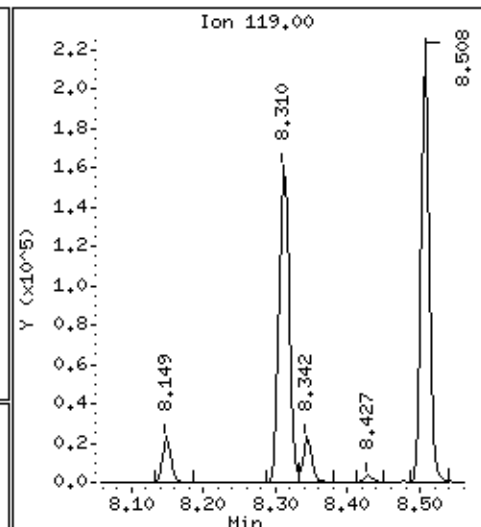
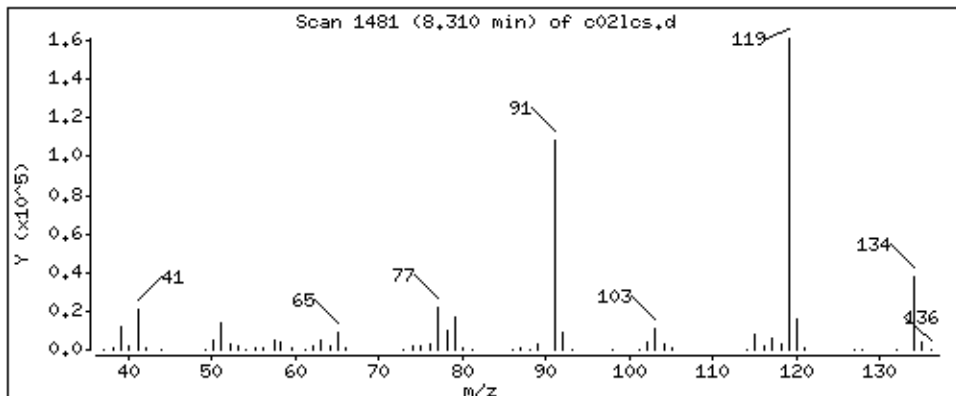
Operator: ala

Column phase: DB-624

Column diameter: 0,18

80 tert-Butylbenzene

Concentration: 37,6 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730;5

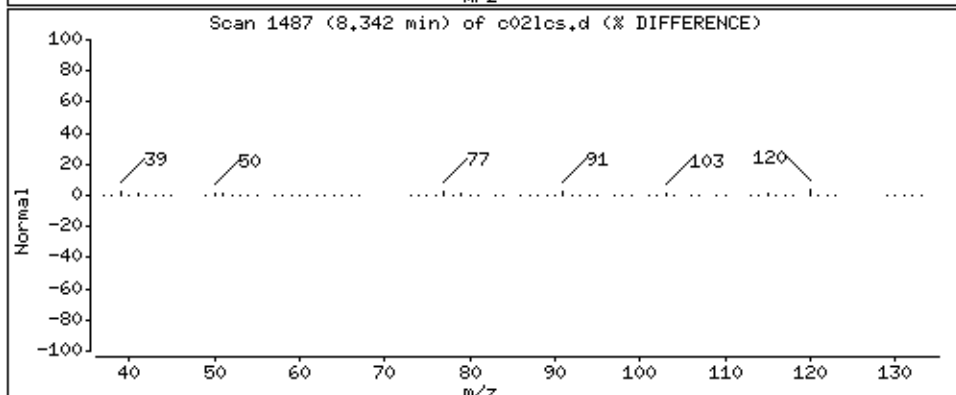
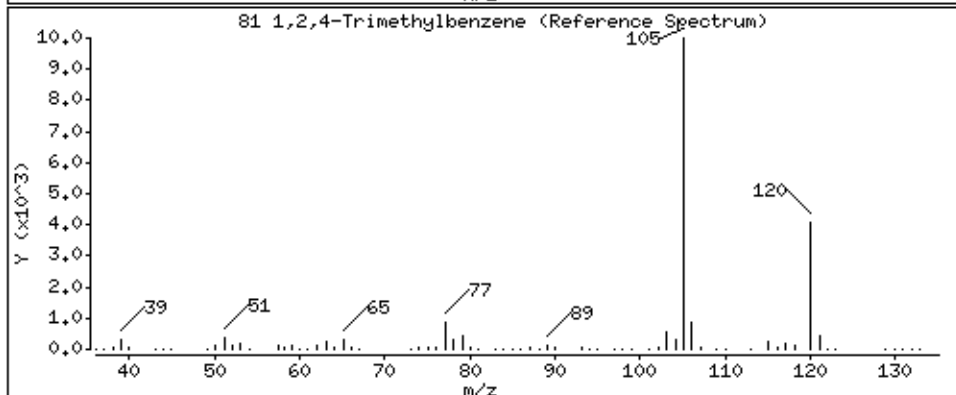
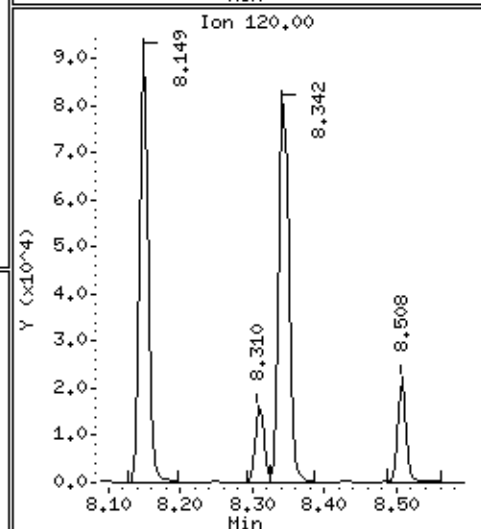
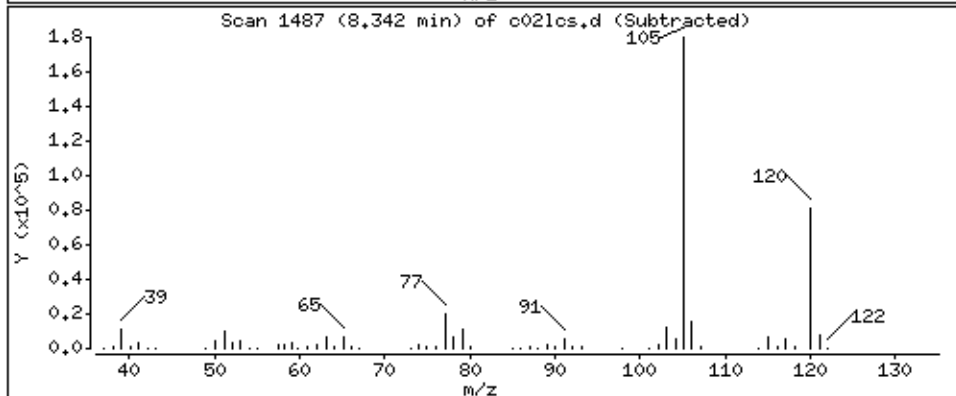
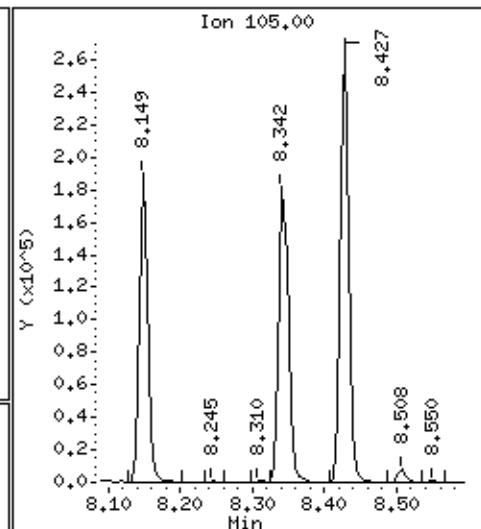
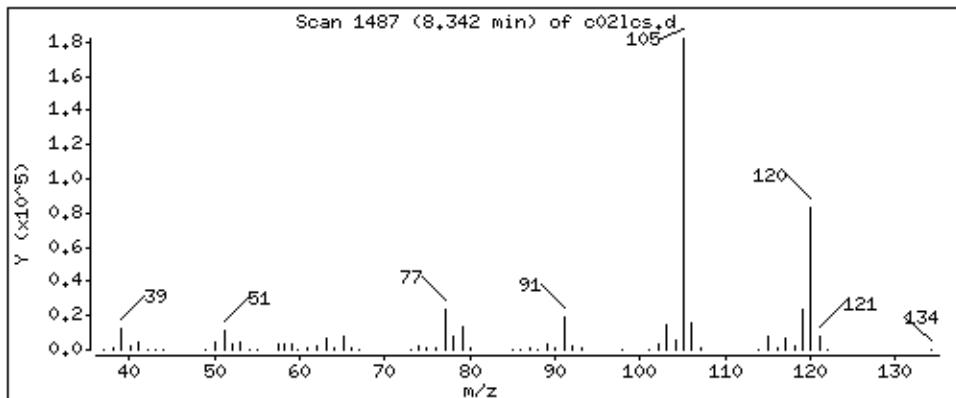
Operator: ala

Column phase: DB-624

Column diameter: 0,18

81 1,2,4-Trimethylbenzene

Concentration: 46,8 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

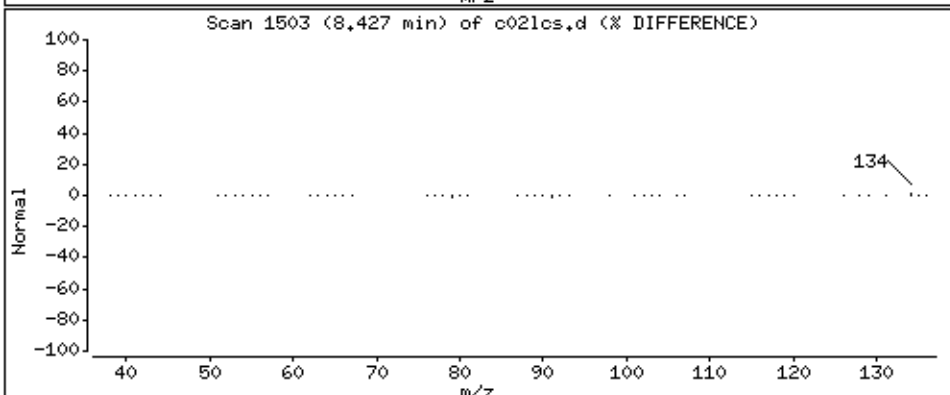
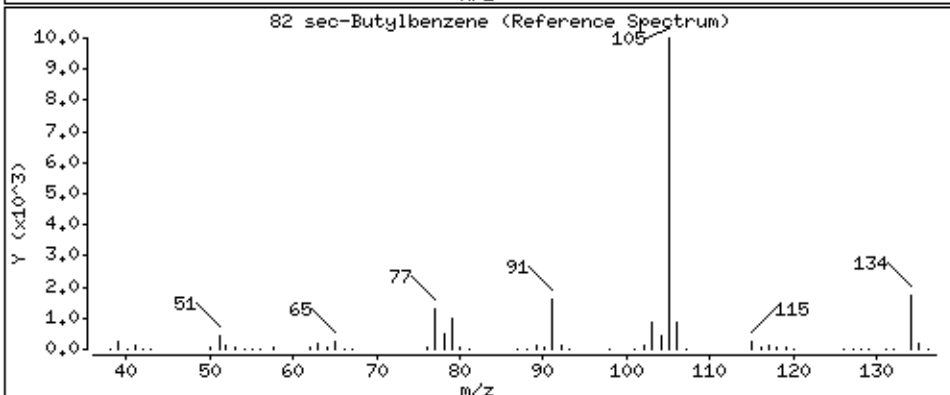
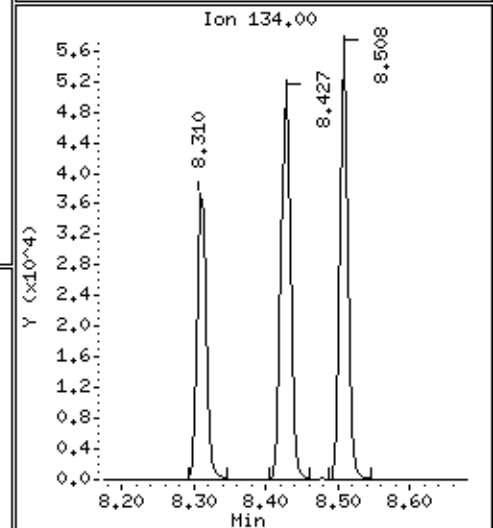
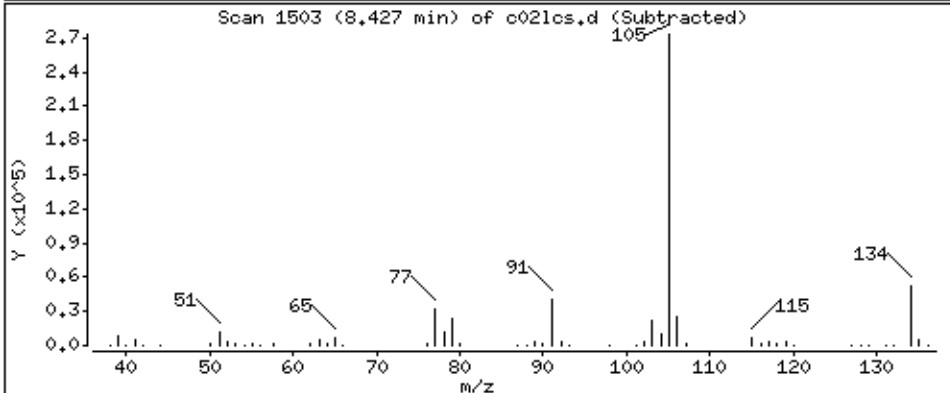
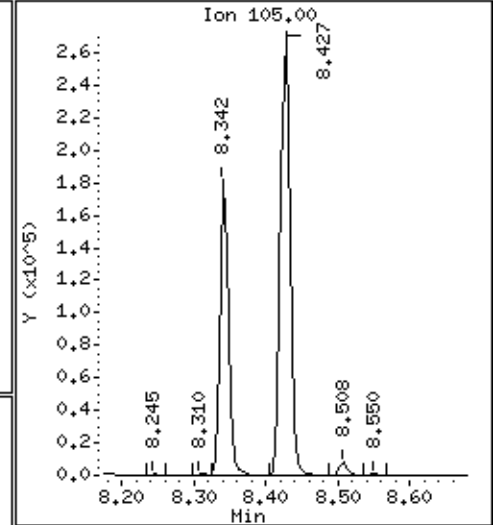
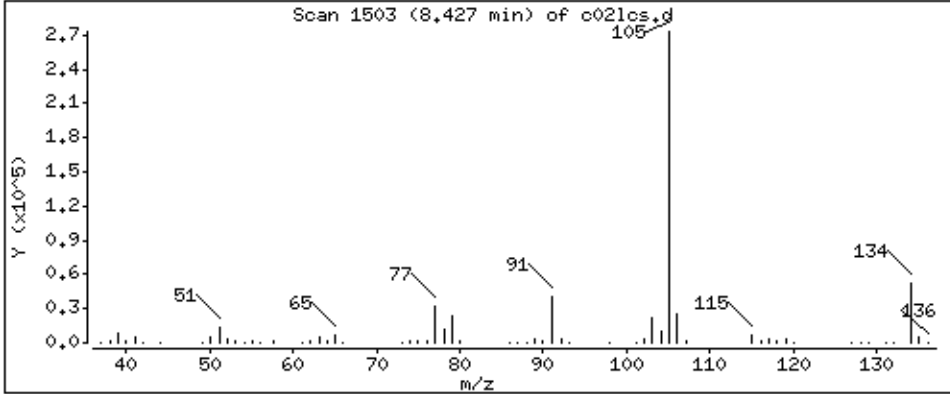
Operator: ala

Column phase: DB-624

Column diameter: 0,18

82 sec-Butylbenzene

Concentration: 48,6 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

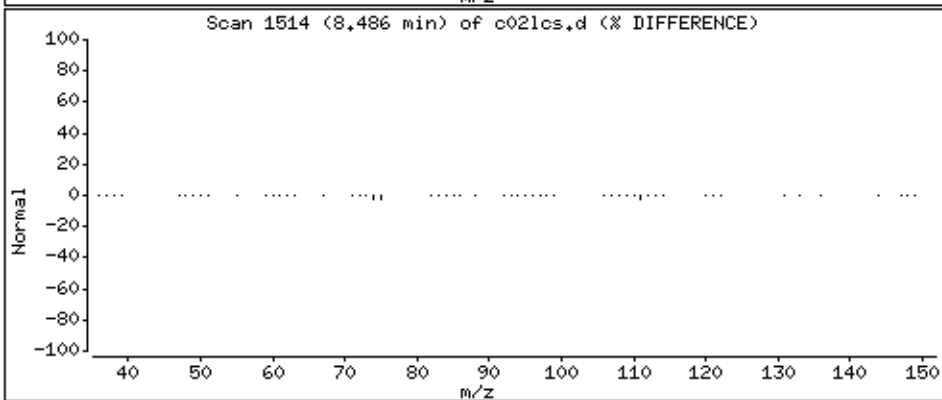
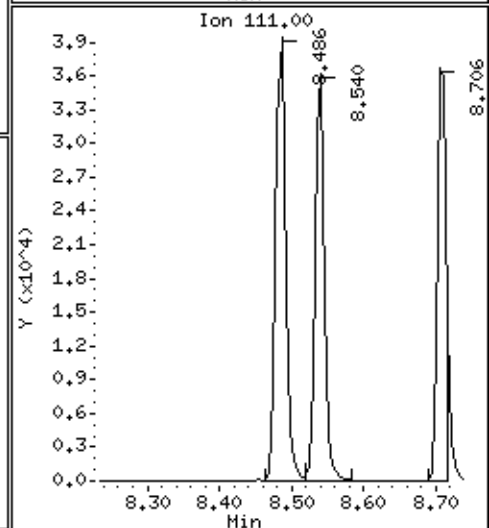
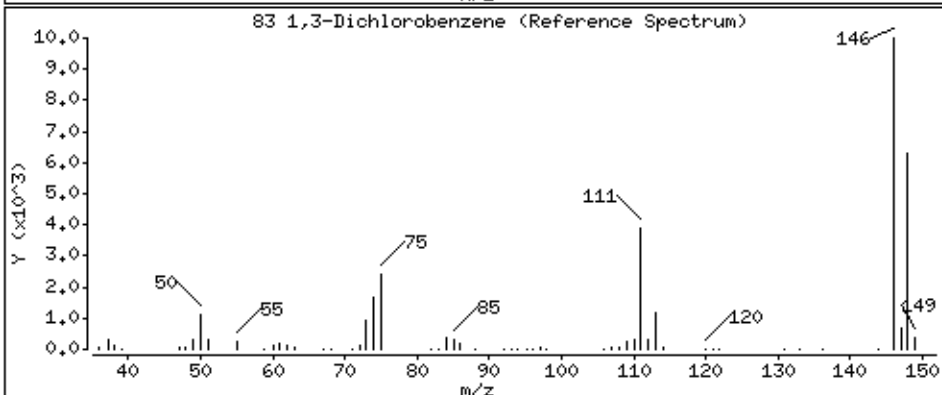
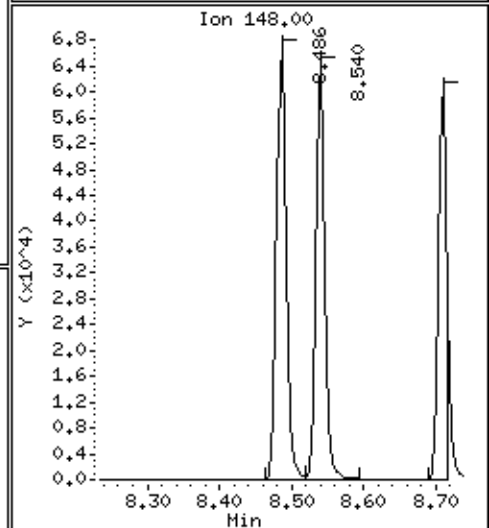
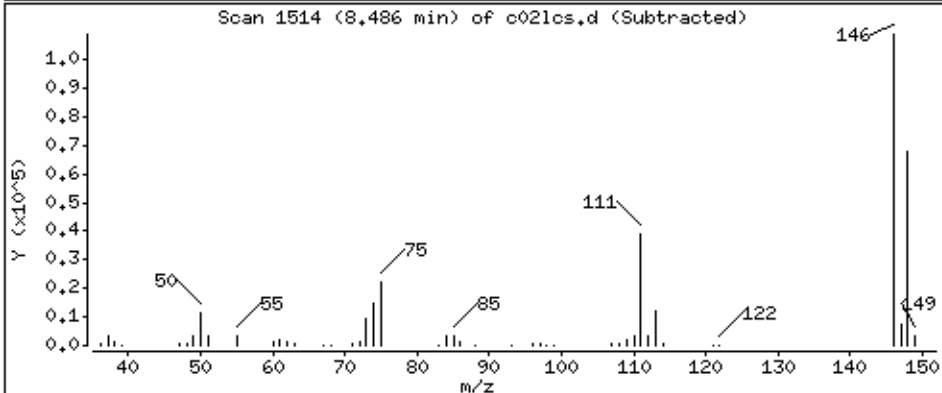
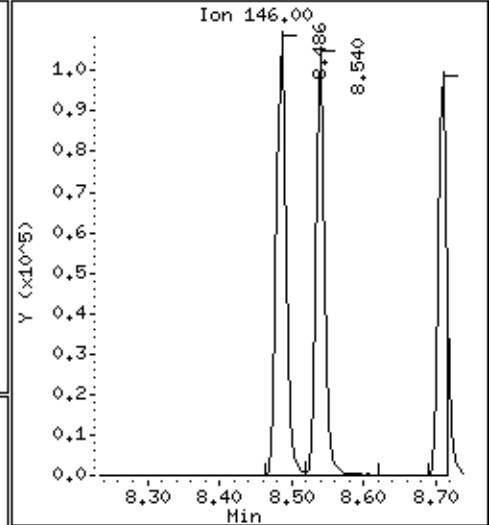
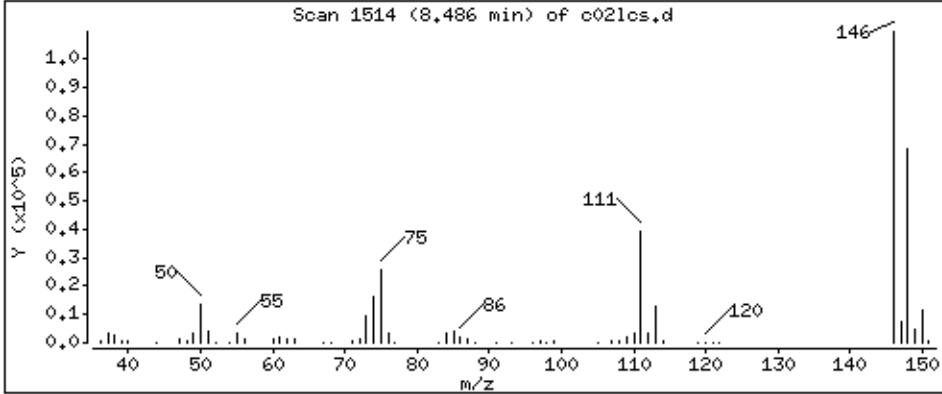
Operator: ala

Column phase: DB-624

Column diameter: 0,18

83 1,3-Dichlorobenzene

Concentration: 44,4 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

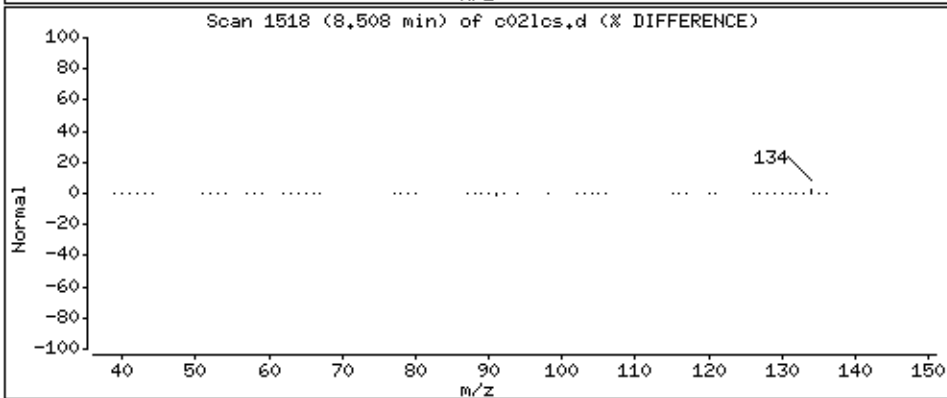
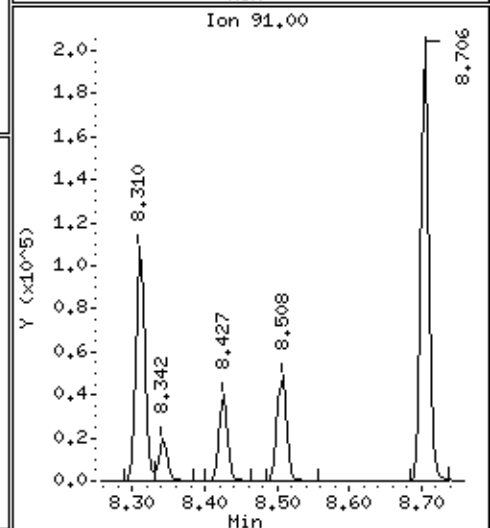
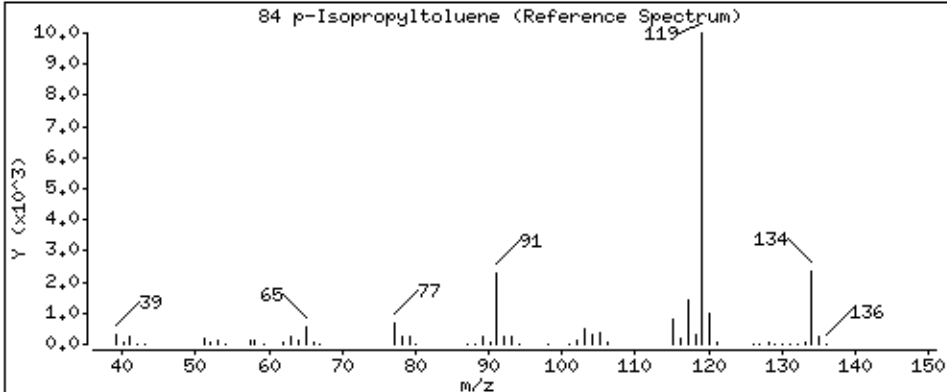
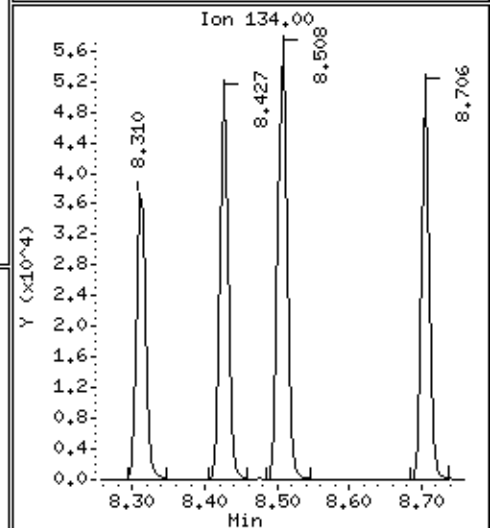
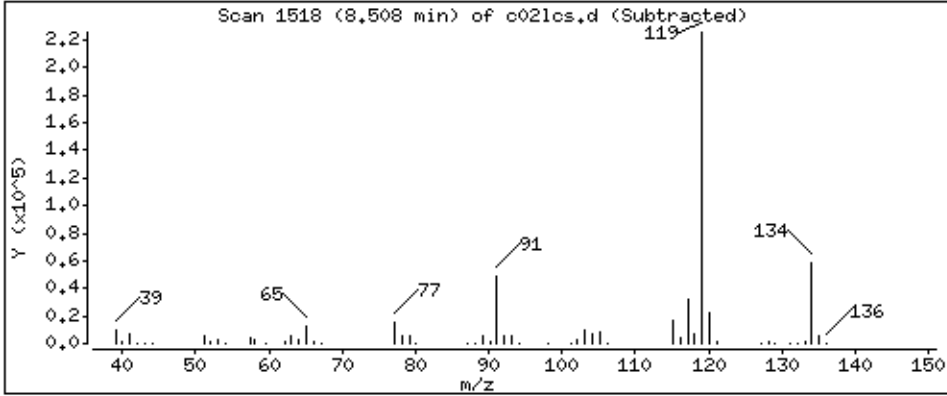
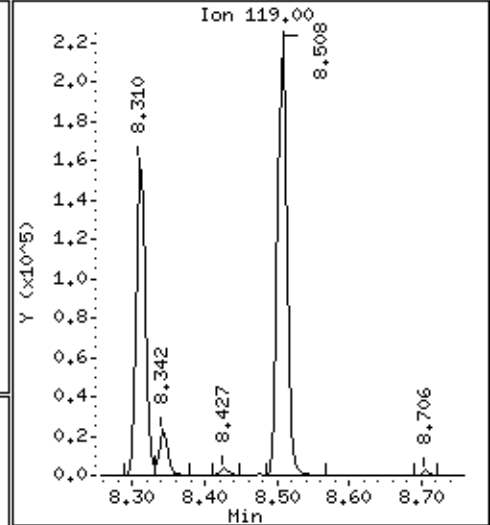
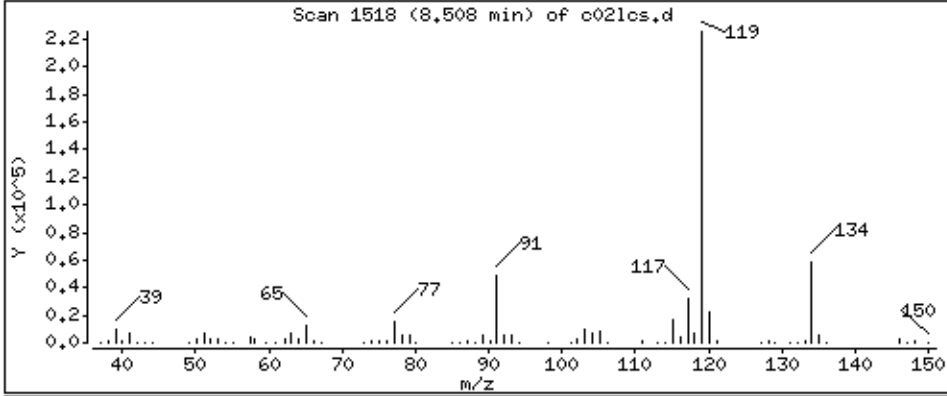
Operator: ala

Column phase: DB-624

Column diameter: 0,18

84 p-Isopropyltoluene

Concentration: 47.6 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

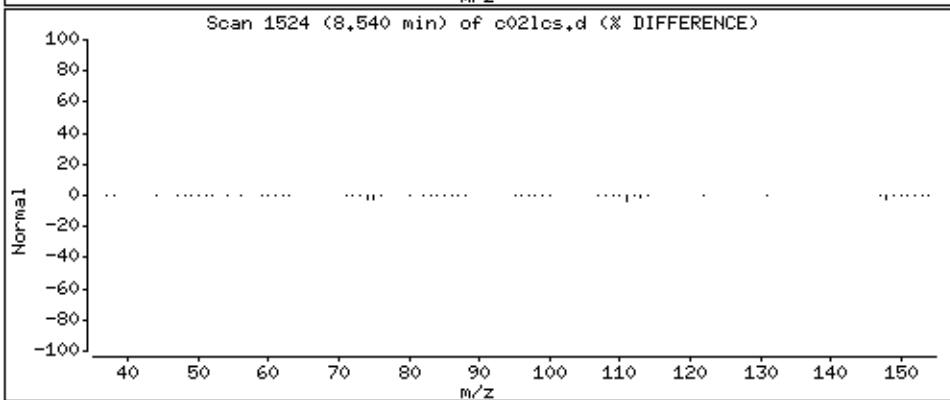
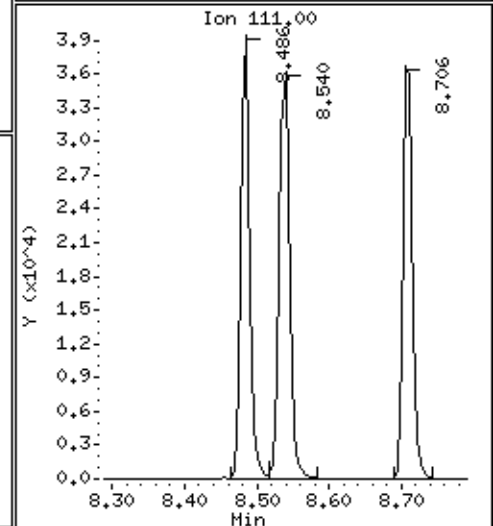
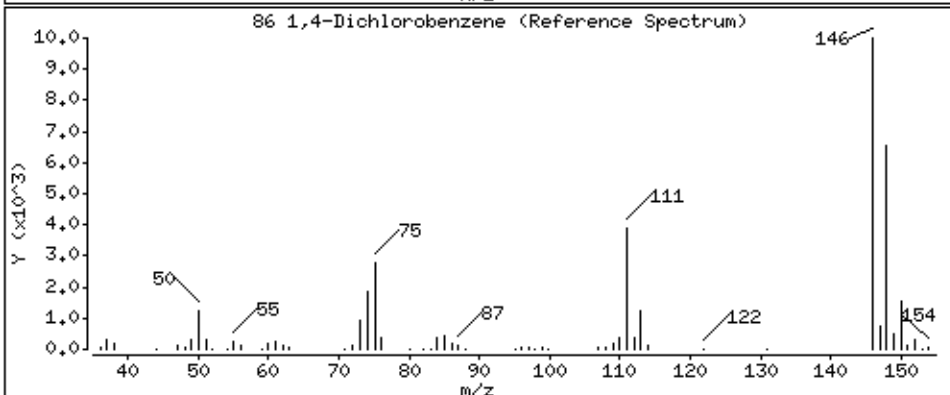
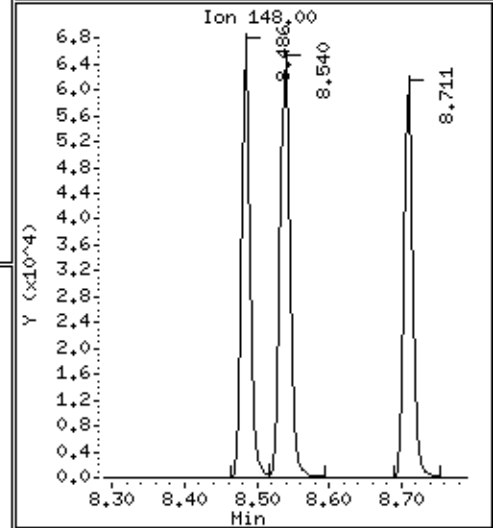
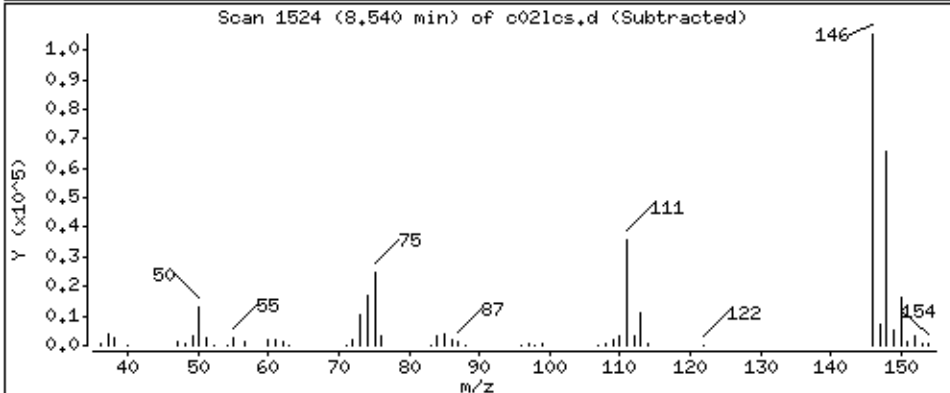
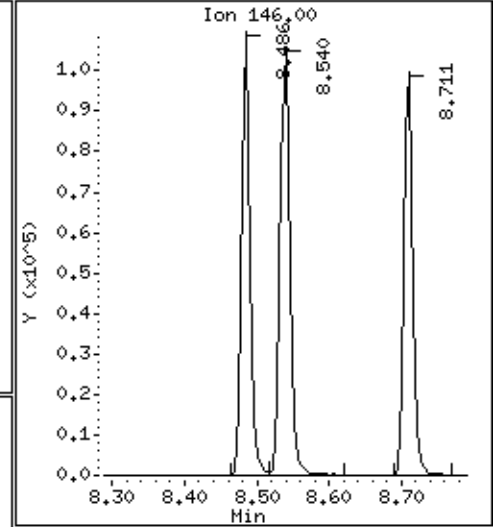
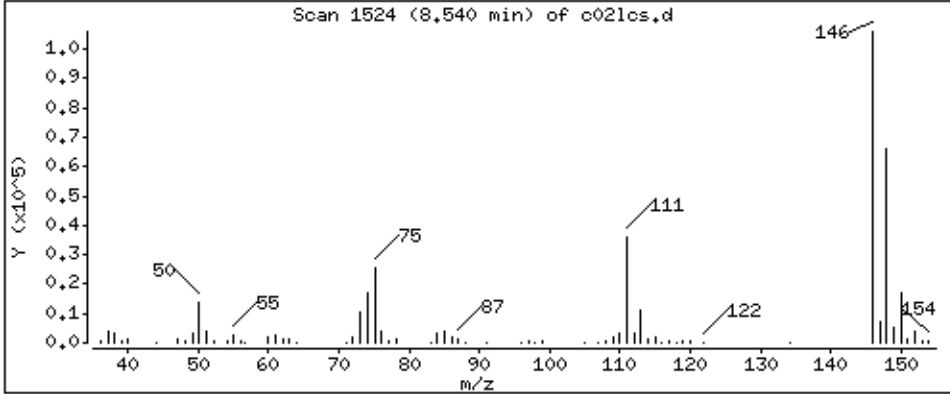
Operator: ala

Column phase: DB-624

Column diameter: 0,18

86 1,4-Dichlorobenzene

Concentration: 42.9 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

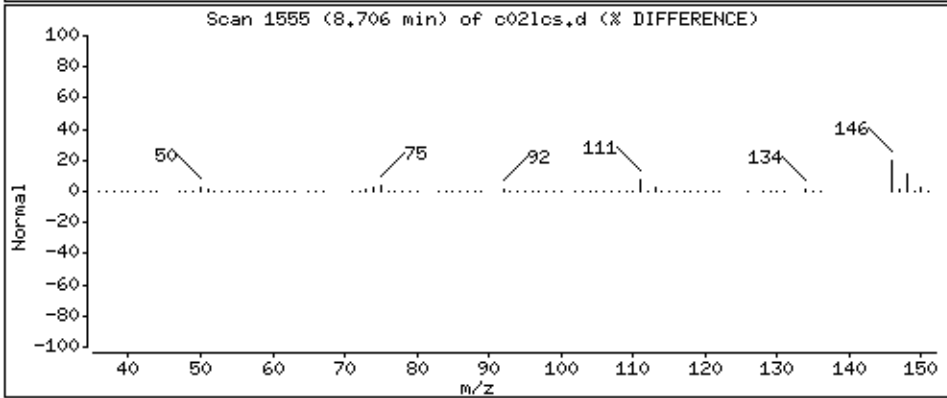
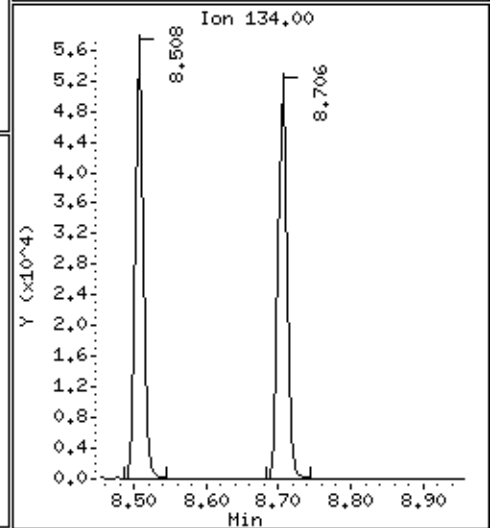
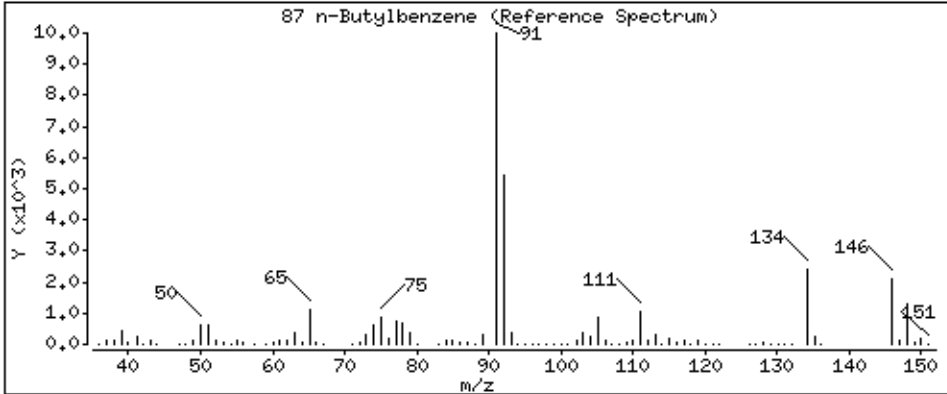
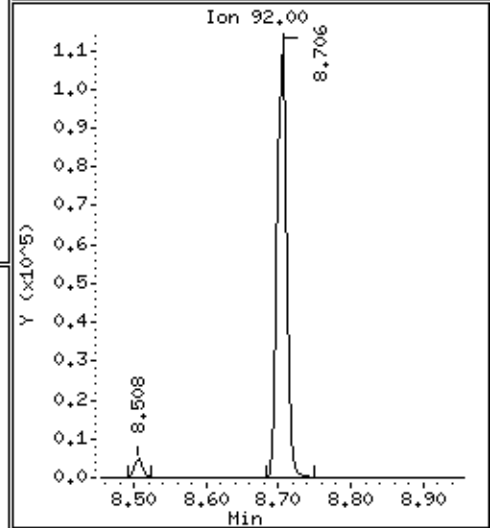
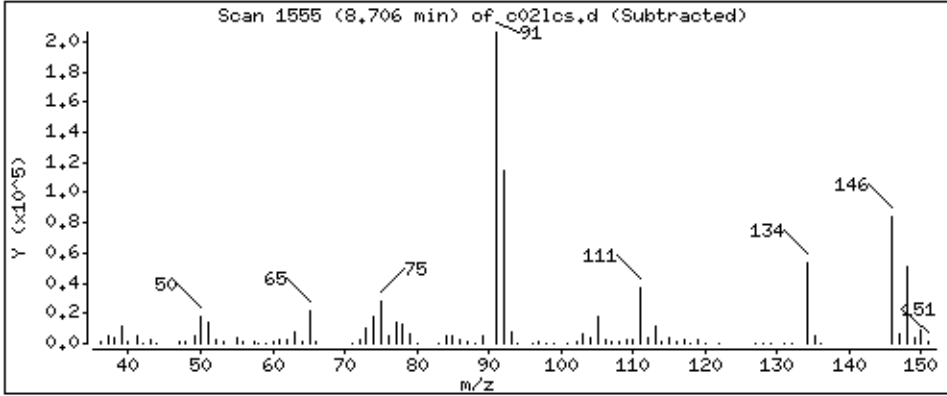
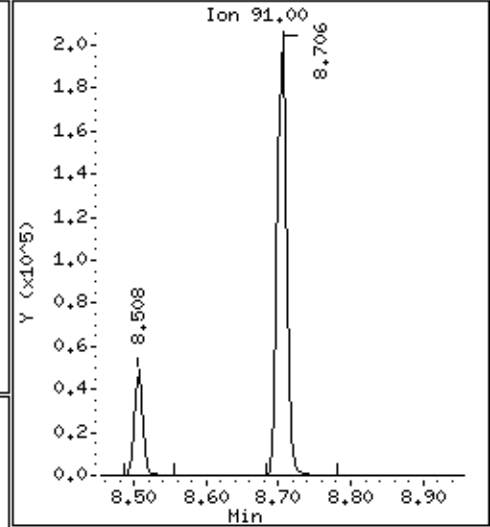
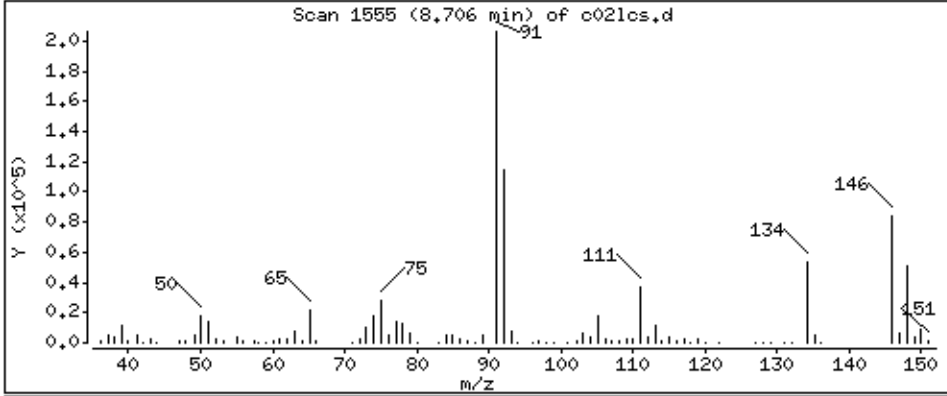
Operator: ala

Column phase: DB-624

Column diameter: 0,18

87 n-Butylbenzene

Concentration: 43,1 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

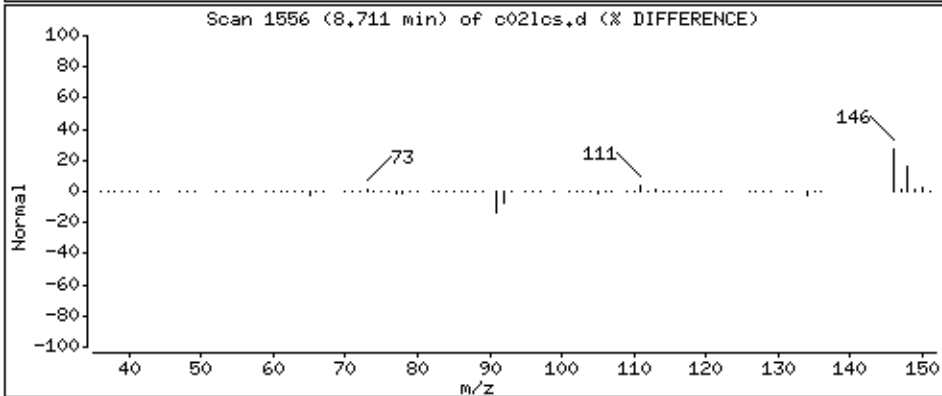
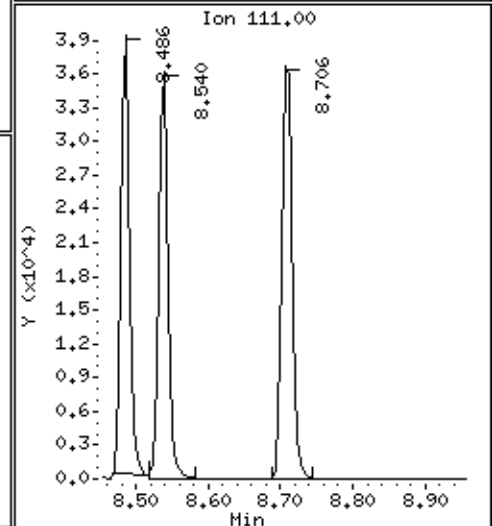
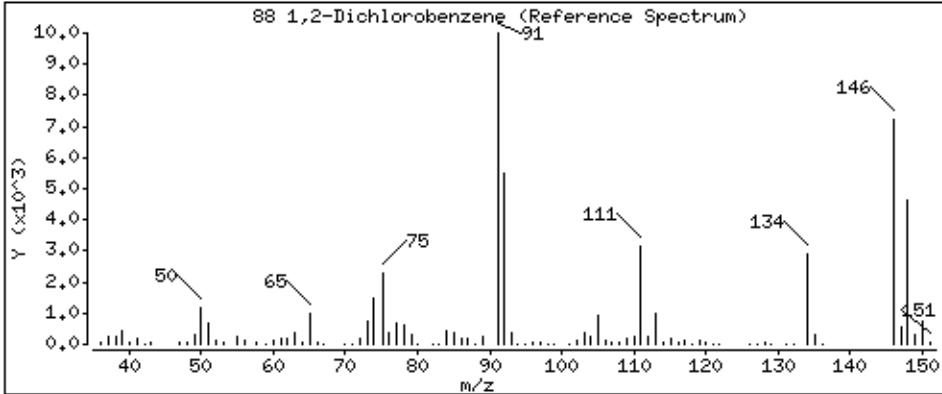
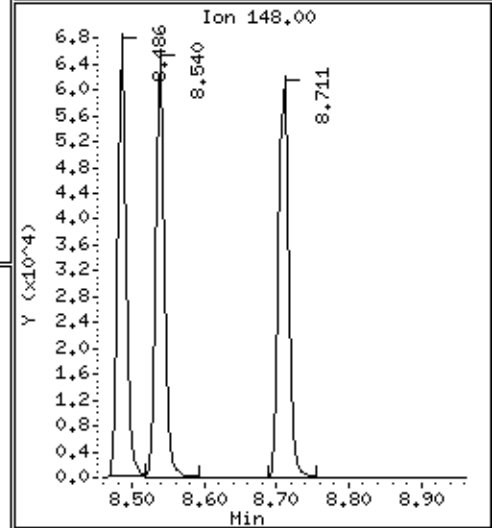
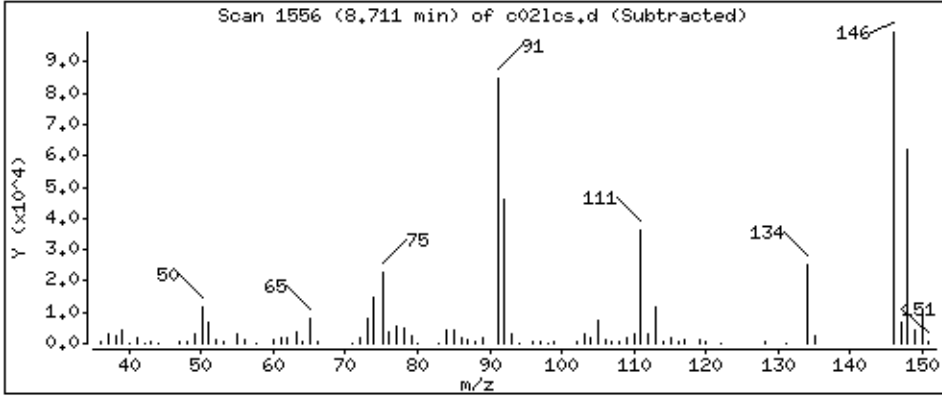
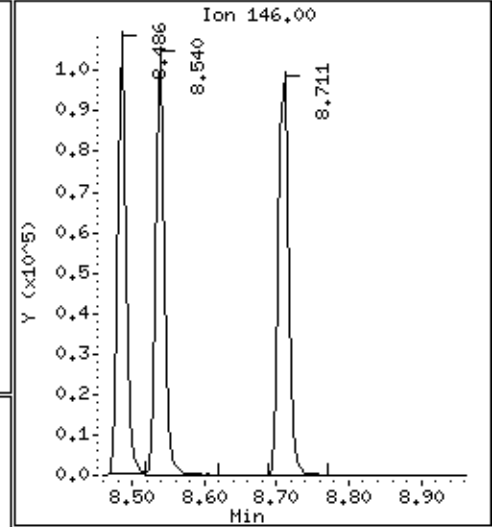
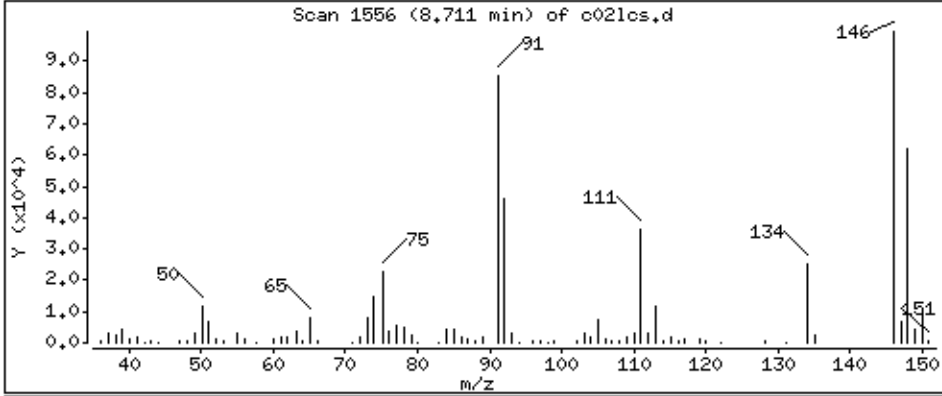
Operator: ala

Column phase: DB-624

Column diameter: 0,18

88 1,2-Dichlorobenzene

Concentration: 45,7 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

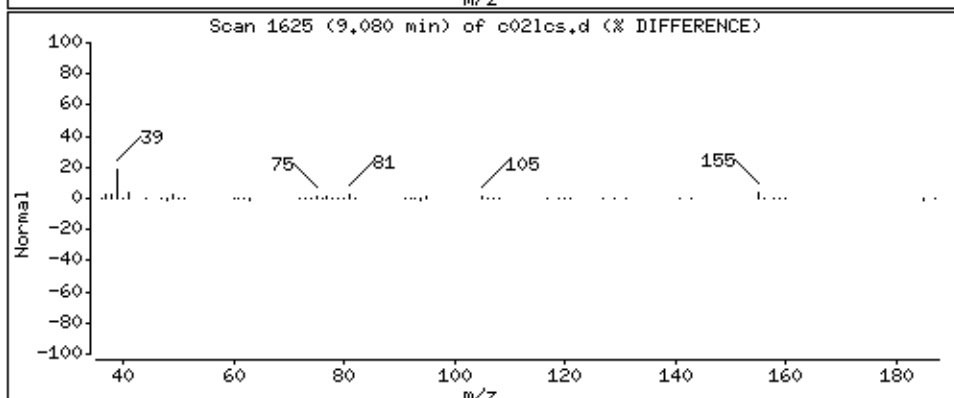
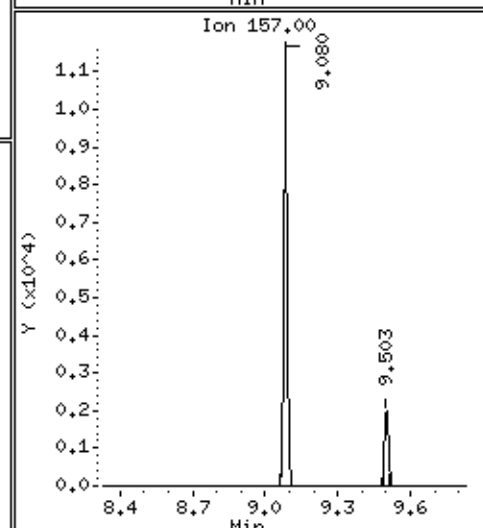
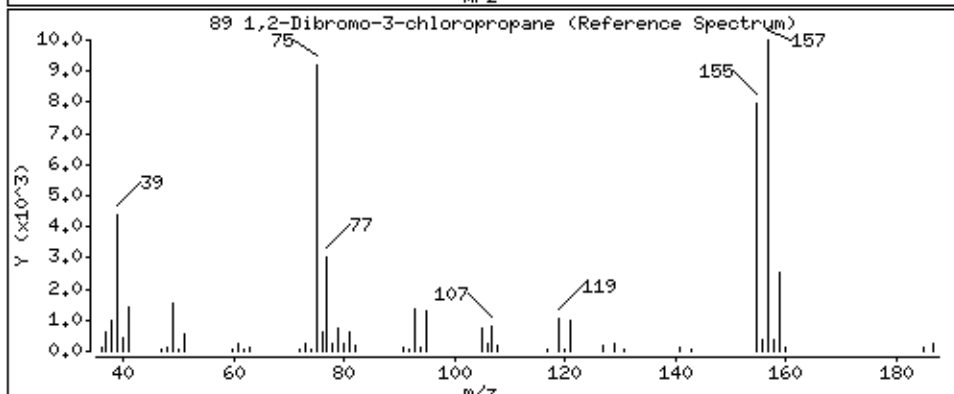
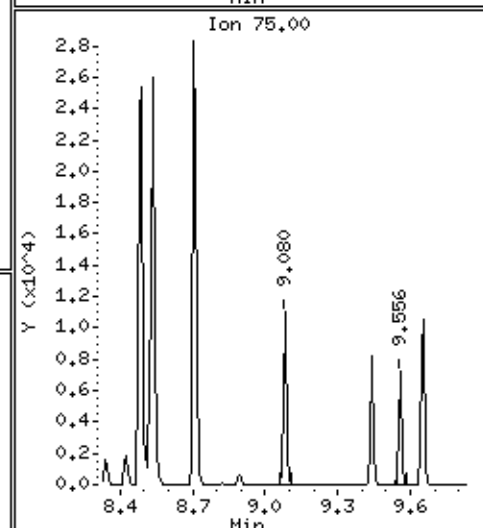
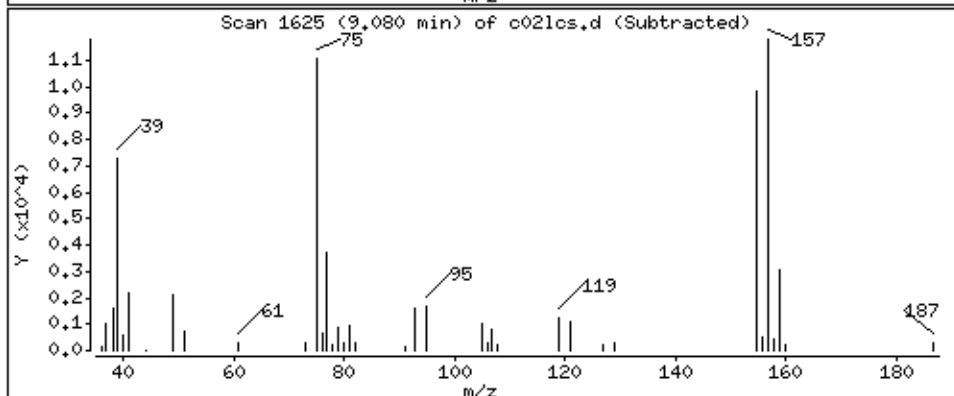
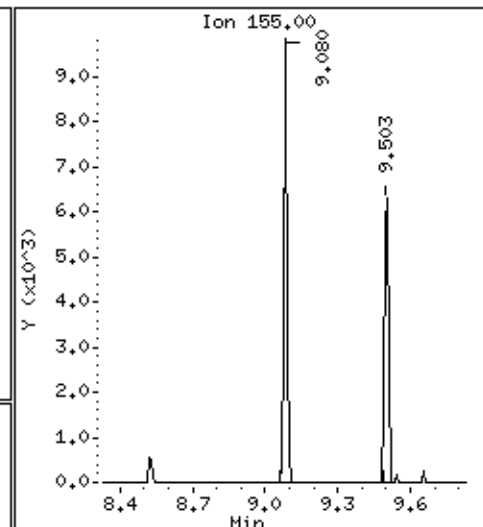
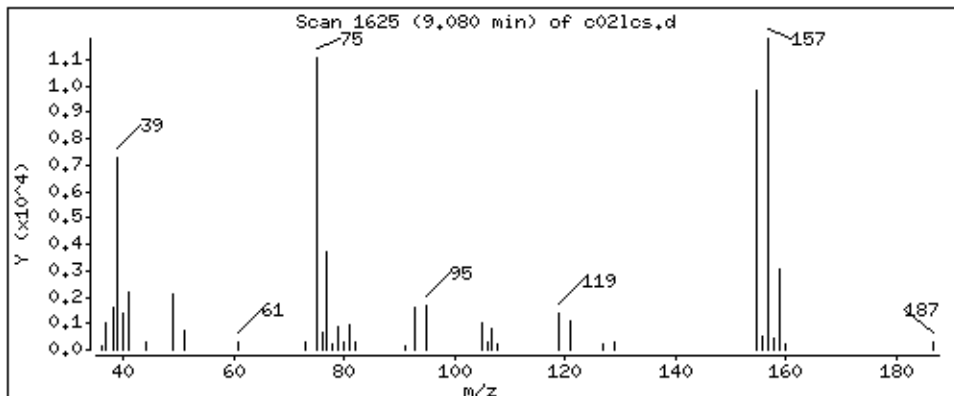
Operator: ala

Column phase: DB-624

Column diameter: 0,18

89 1,2-Dibromo-3-chloropropane

Concentration: 48,4 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

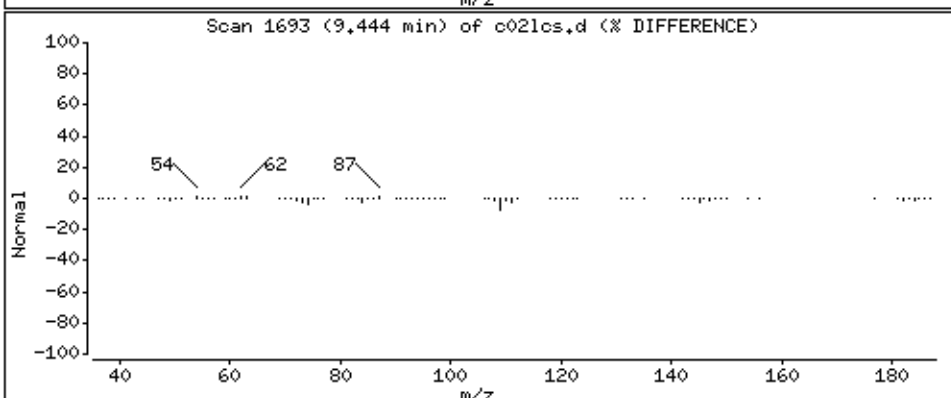
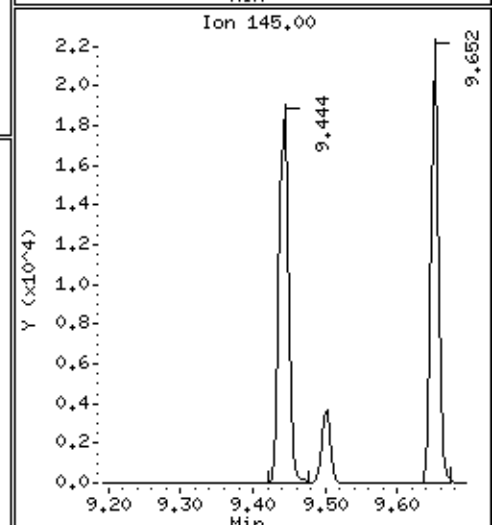
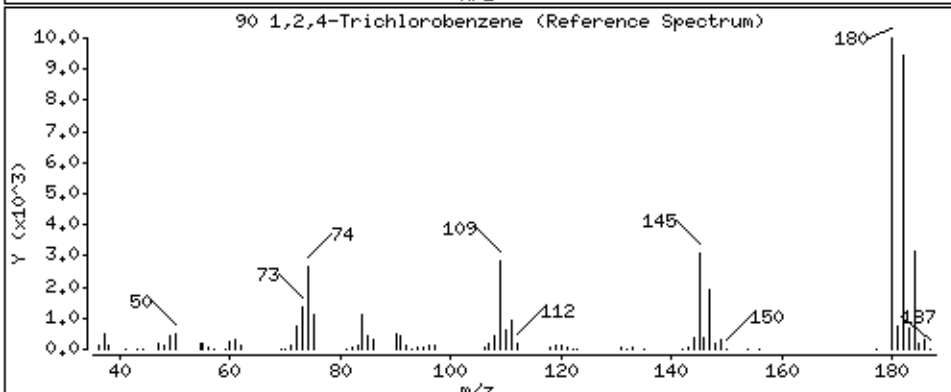
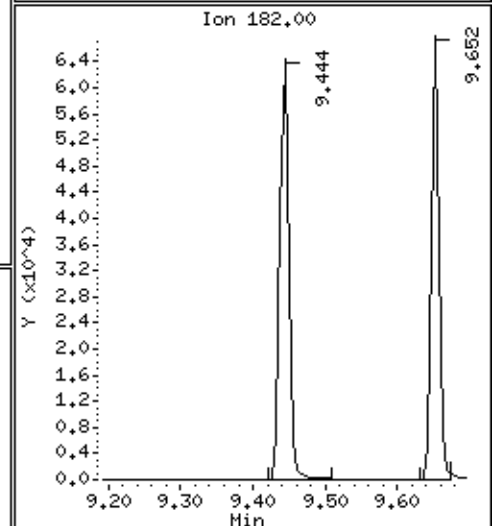
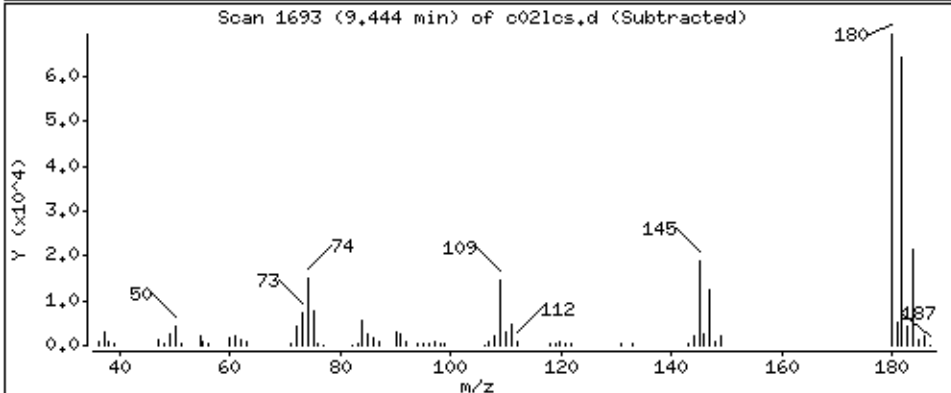
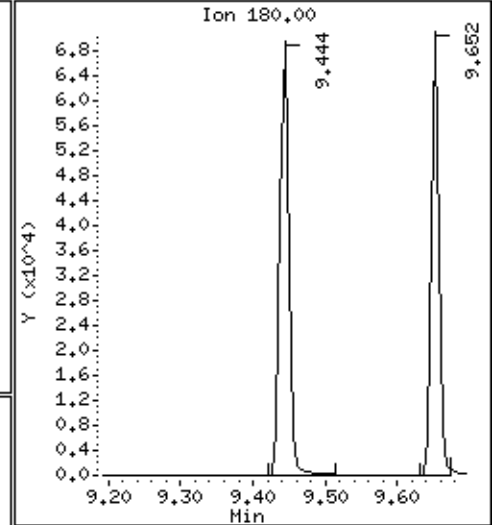
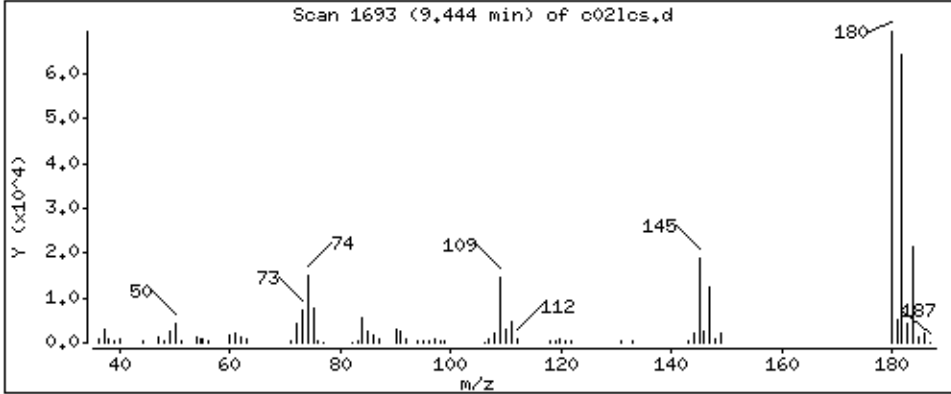
Operator: ala

Column phase: DB-624

Column diameter: 0,18

90 1,2,4-Trichlorobenzene

Concentration: 40,2 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

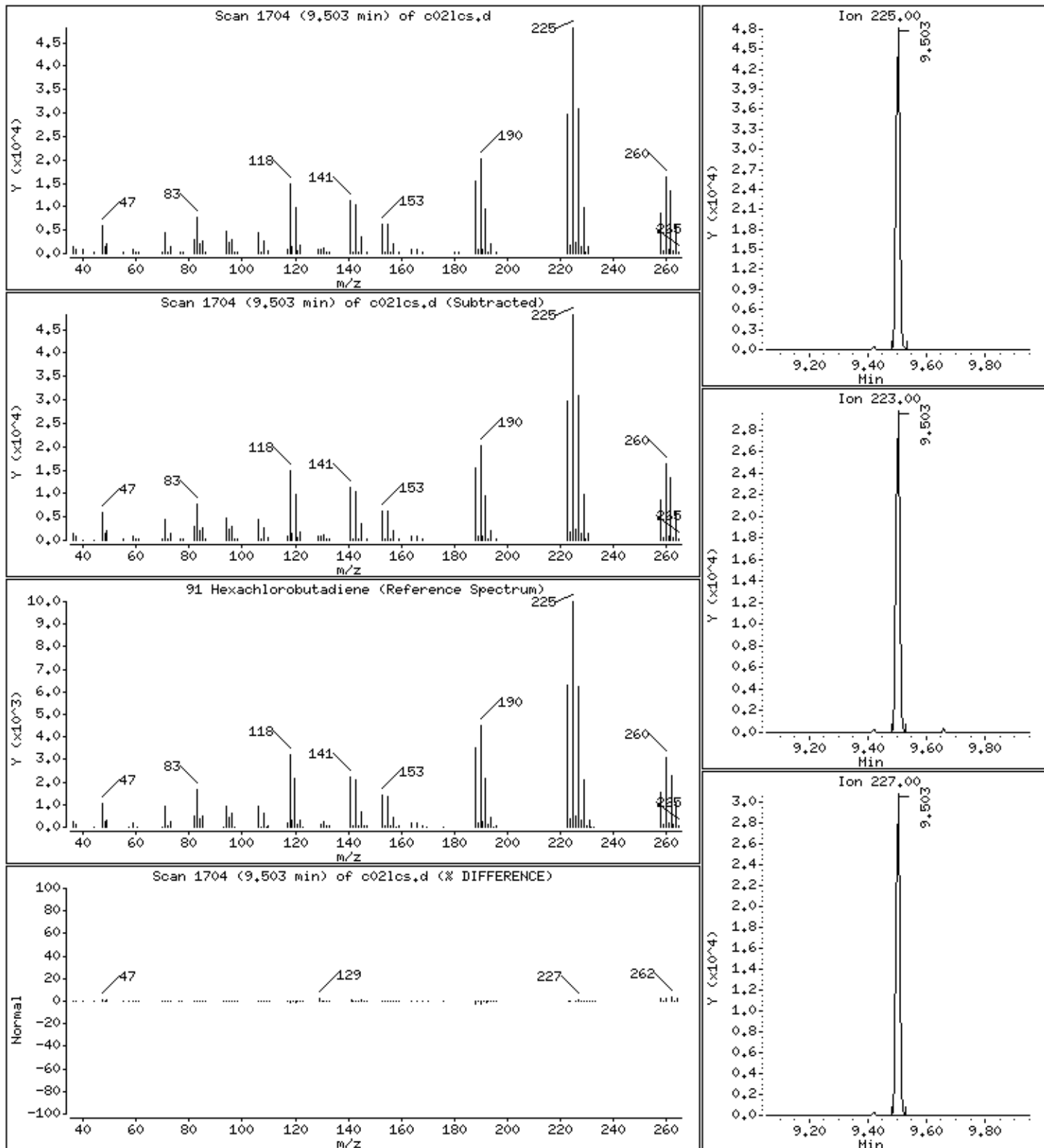
Operator: ala

Column phase: DB-624

Column diameter: 0,18

91 Hexachlorobutadiene

Concentration: 45,2 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

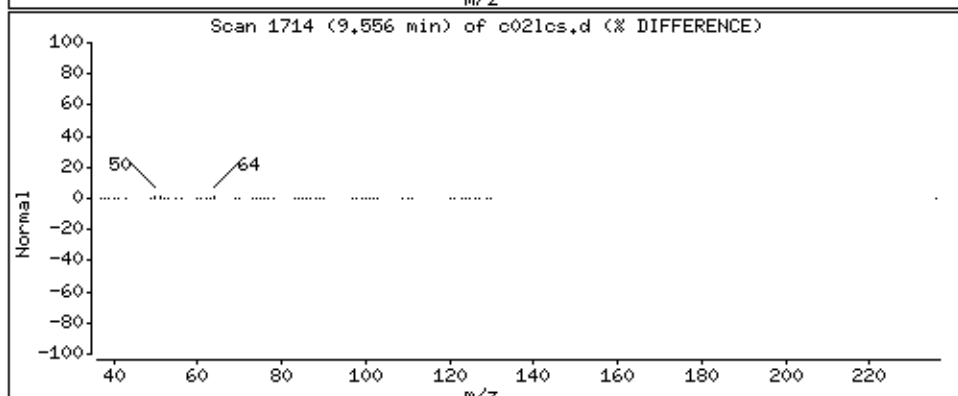
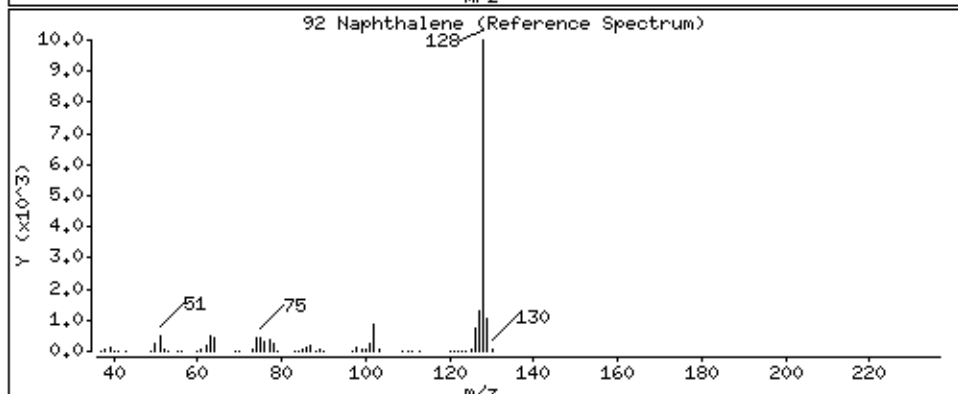
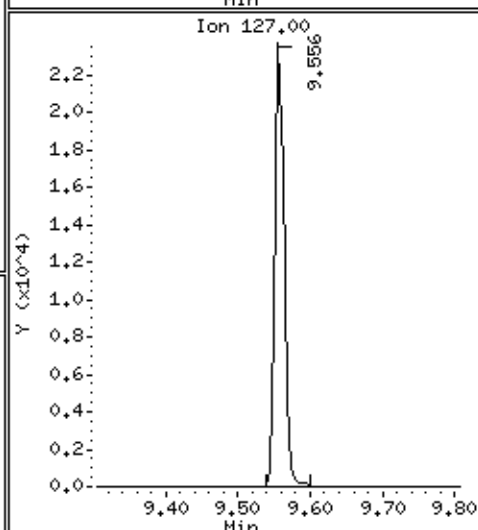
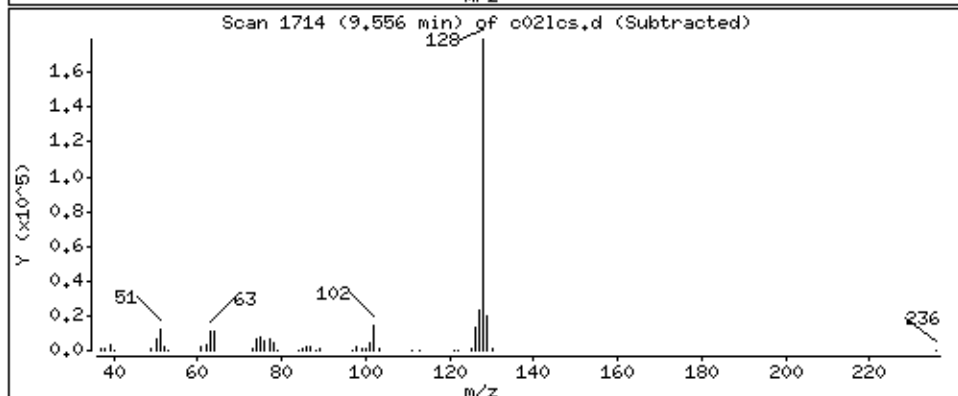
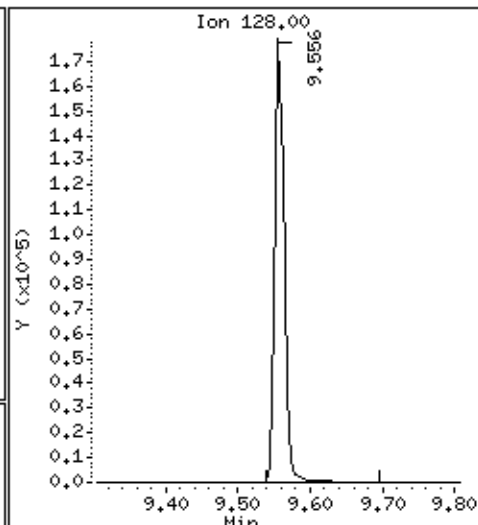
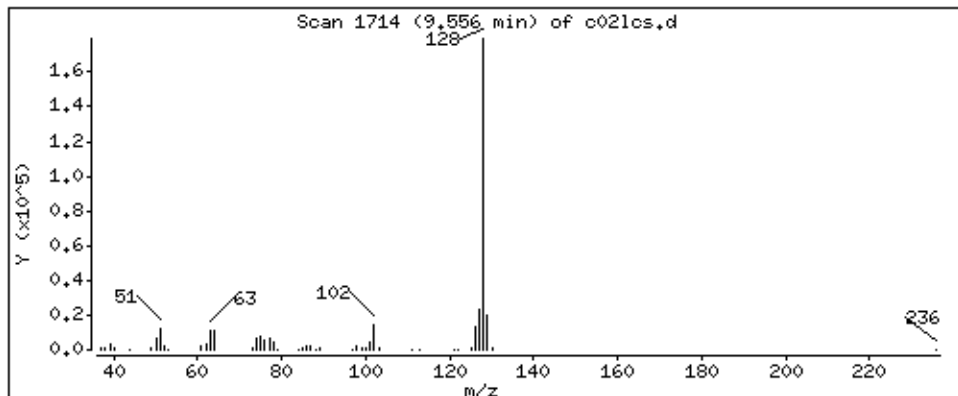
Operator: ala

Column phase: DB-624

Column diameter: 0,18

92 Naphthalene

Concentration: 44,4 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730:5

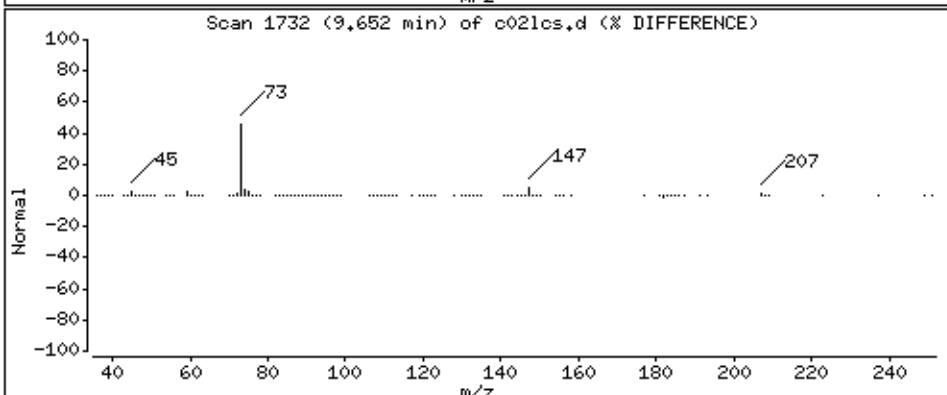
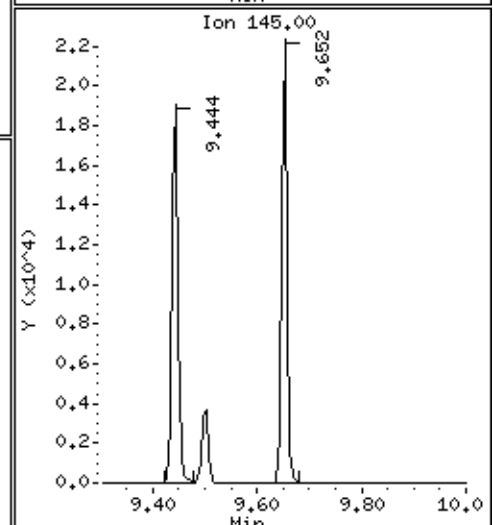
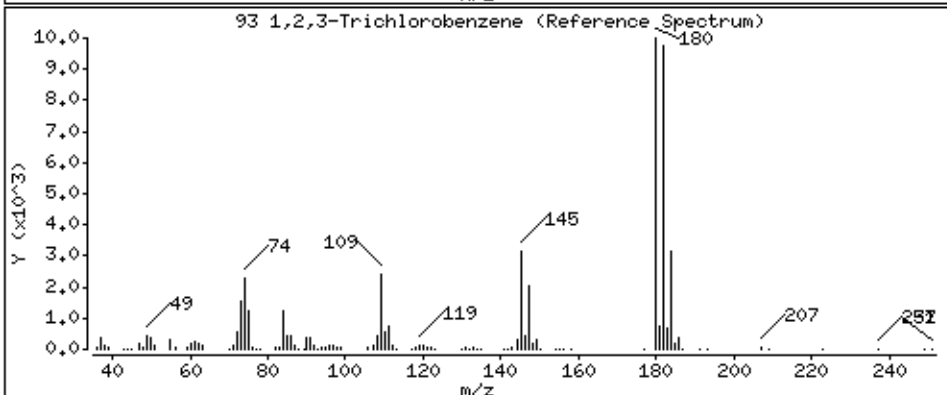
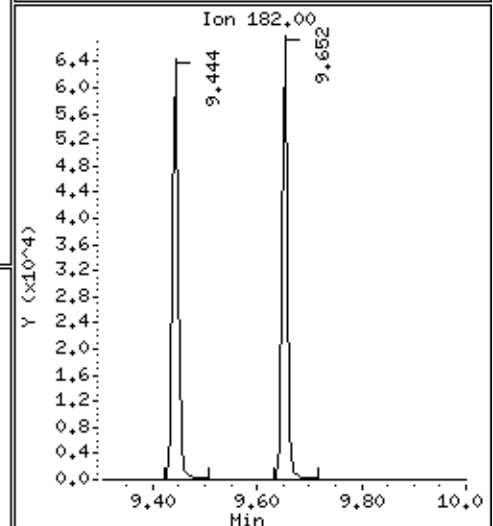
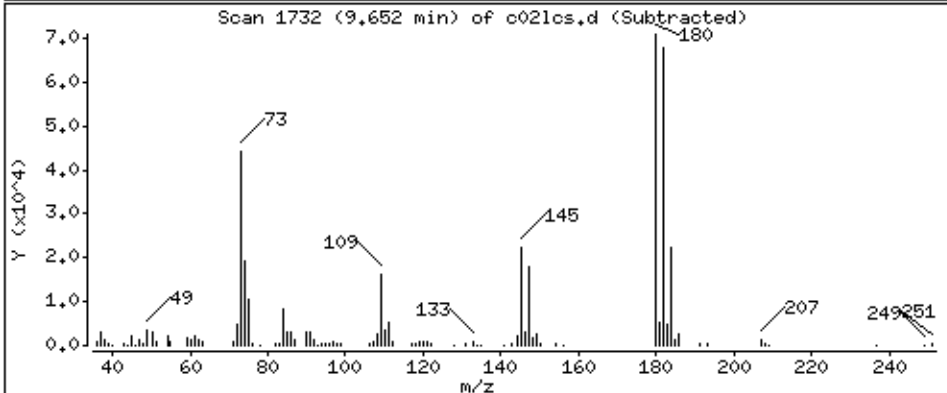
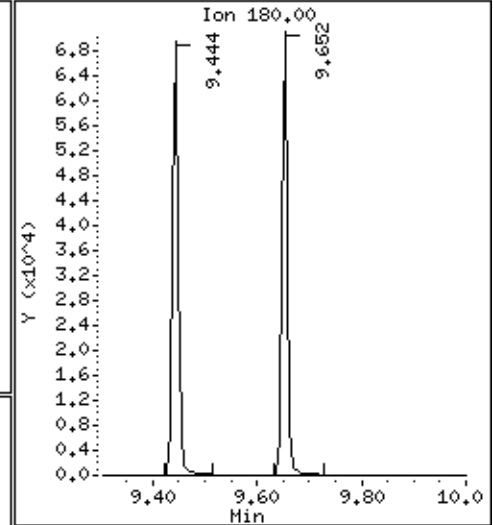
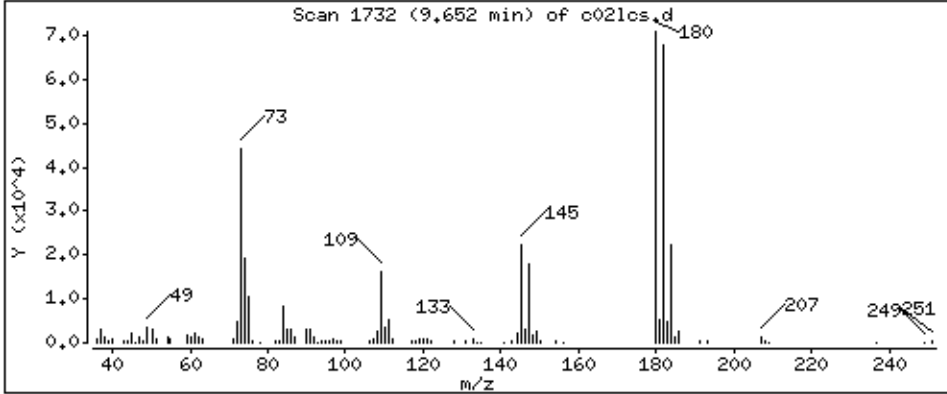
Operator: ala

Column phase: DB-624

Column diameter: 0,18

93 1,2,3-Trichlorobenzene

Concentration: 38,6 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730;5

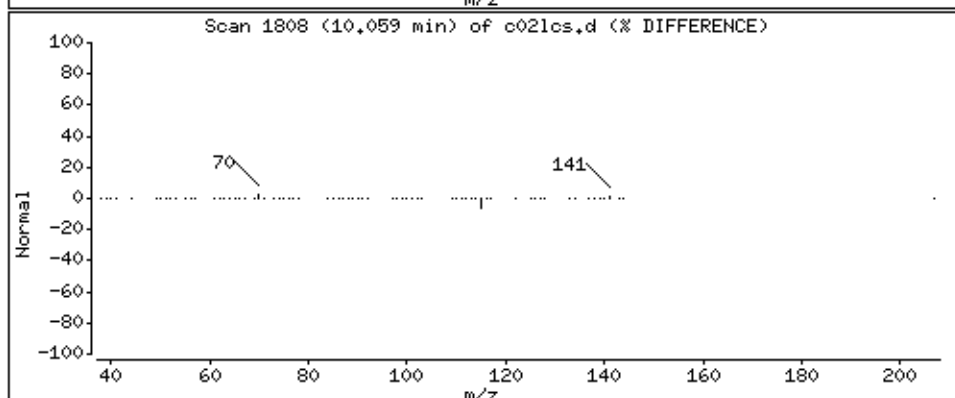
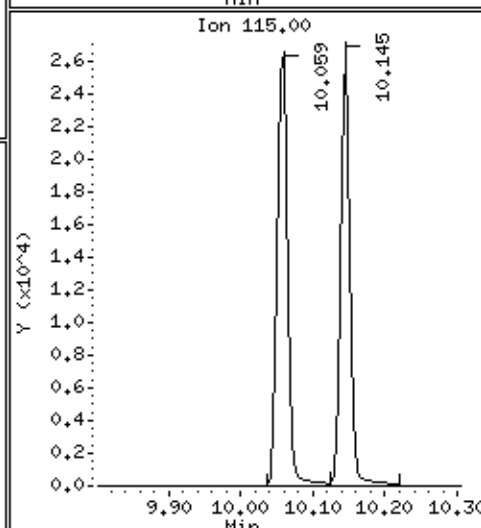
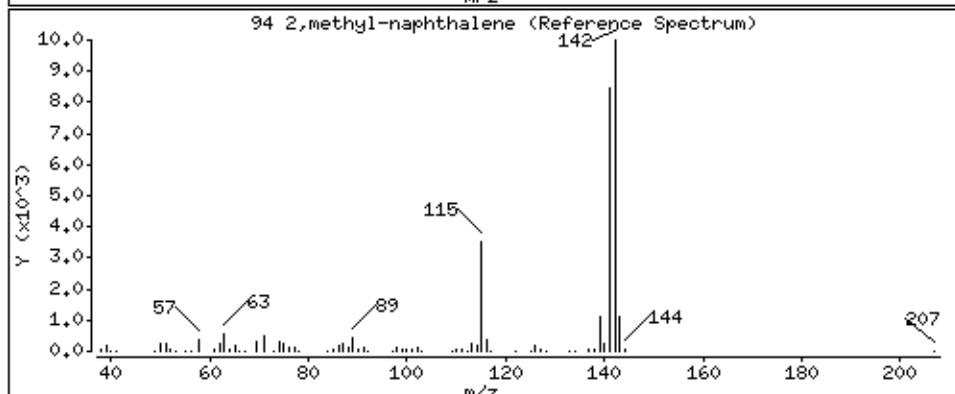
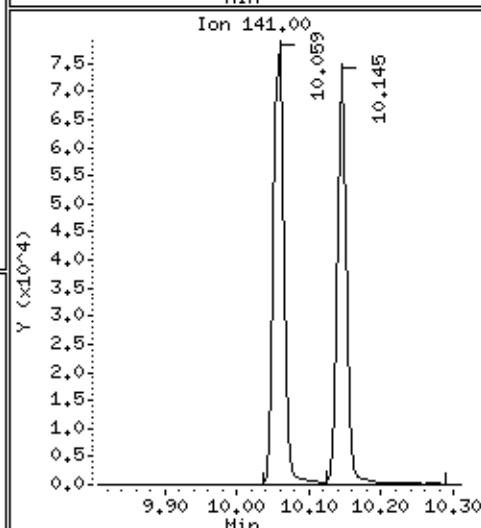
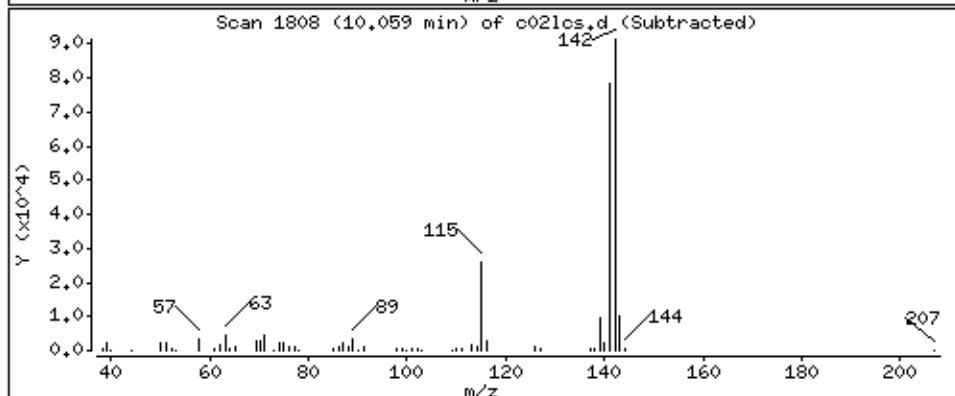
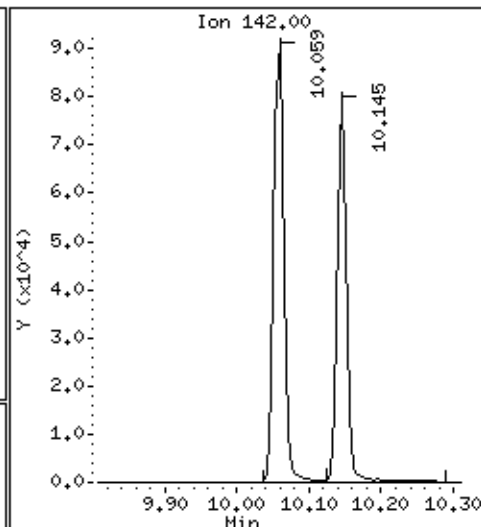
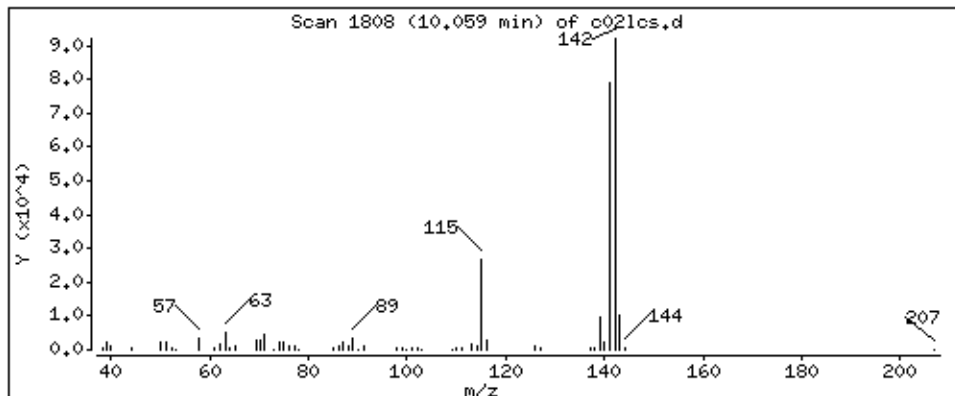
Operator: ala

Column phase: DB-624

Column diameter: 0,18

94 2,methyl-naphthalene

Concentration: 35,0 ppb



Date : 04-SEP-2018 23:15

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122399,184730;5

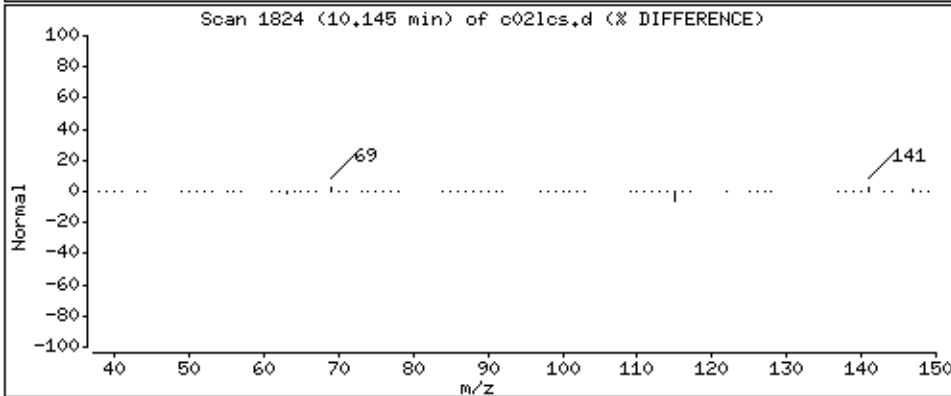
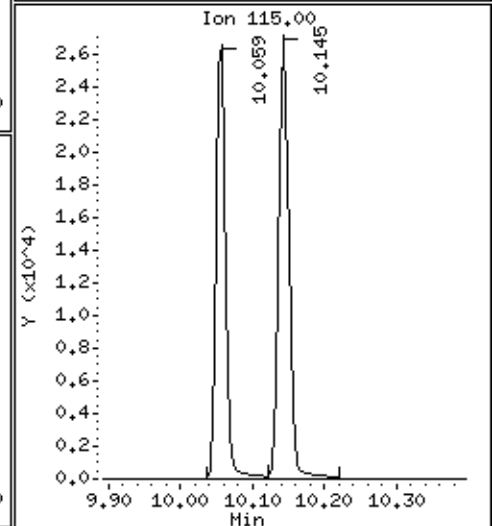
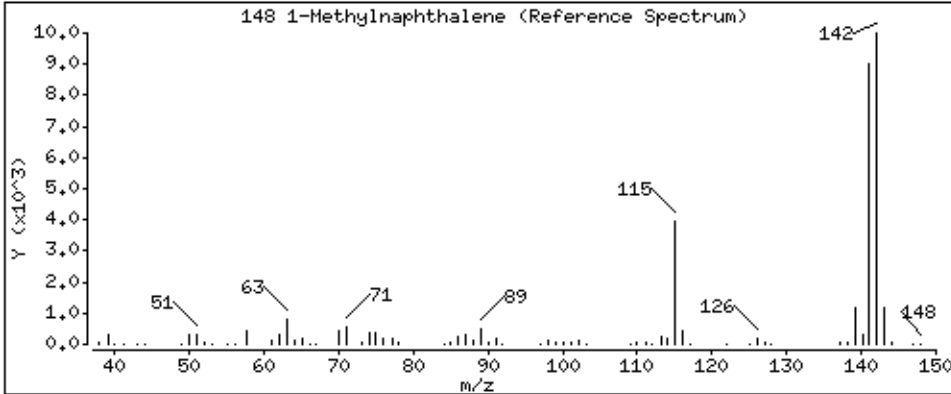
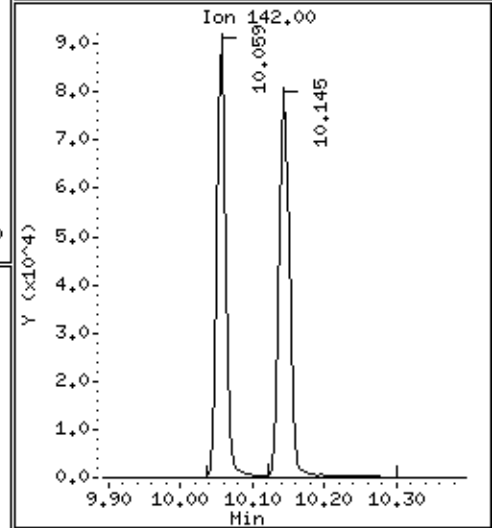
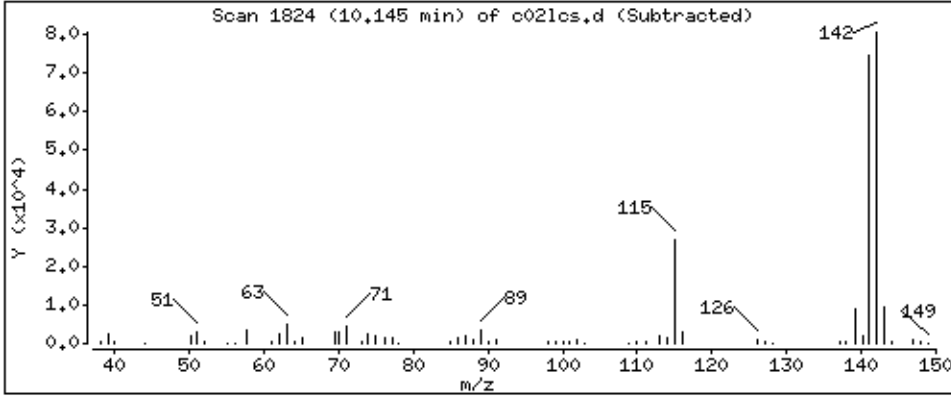
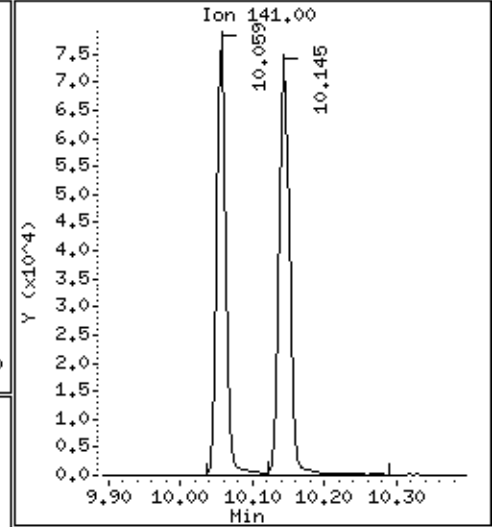
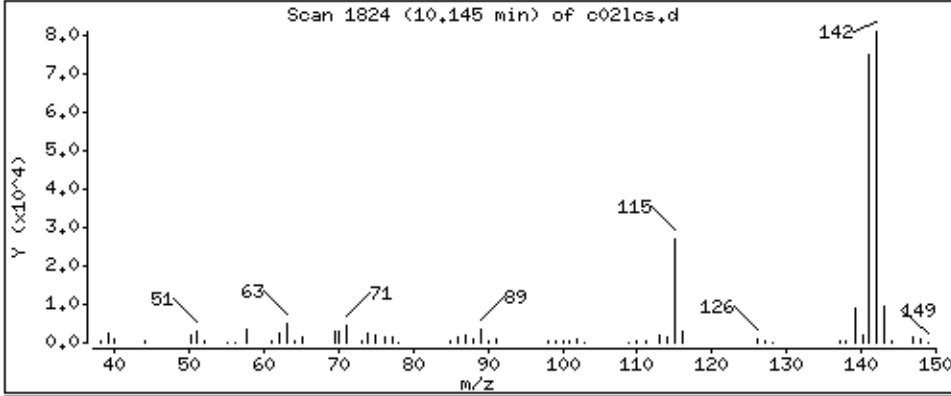
Operator: ala

Column phase: DB-624

Column diameter: 0,18

148 1-Methylnaphthalene

Concentration: 37,0 ppb



Data File: \\192.168.50.6\chem\50mv6a.i\a090418.b/c021cs.d
Injection Date: 04-SEP-2018 23:15
Instrument: 50mv6a.i
Lab Sample ID: 2122399
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MS

Lab Name: Pace Analytical - Indiana
Date Received: 08/29/2018 09:15
Date Extracted: 09/05/2018 01:10
Date Analyzed: 09/05/2018 01:10
Initial wt/vol: 6.429 g Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Solid SDG No.: 50204438
Lab Sample ID: 2122400
Lab File ID: A090418.B\C05.D
Instrument: 50MV6A Percent Moisture: 17.5%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	188	
107-02-8	Acrolein	1090	
71-43-2	Benzene	48.4	
75-27-4	Bromodichloromethane	46.0	
75-25-2	Bromoform	41.6	
74-83-9	Bromomethane	40.6	
78-93-3	2-Butanone (MEK)	158	
104-51-8	n-Butylbenzene	50.2	
135-98-8	sec-Butylbenzene	56.7	
98-06-6	tert-Butylbenzene	42.1	
75-15-0	Carbon disulfide	48.3	
56-23-5	Carbon tetrachloride	51.2	
108-90-7	Chlorobenzene	44.8	
75-00-3	Chloroethane	51.1	
67-66-3	Chloroform	43.6	
74-87-3	Chloromethane	36.0	
106-93-4	1,2-Dibromoethane (EDB)	38.6	
74-95-3	Dibromomethane	46.0	
95-50-1	1,2-Dichlorobenzene	39.9	
541-73-1	1,3-Dichlorobenzene	42.2	
106-46-7	1,4-Dichlorobenzene	40.1	
75-71-8	Dichlorodifluoromethane	53.2	
75-34-3	1,1-Dichloroethane	43.7	
107-06-2	1,2-Dichloroethane	44.8	
75-35-4	1,1-Dichloroethene	52.2	
156-59-2	cis-1,2-Dichloroethene	47.7	
156-60-5	trans-1,2-Dichloroethene	50.7	
78-87-5	1,2-Dichloropropane	48.3	
10061-01-5	cis-1,3-Dichloropropene	45.8	
10061-02-6	trans-1,3-Dichloropropene	37.4	
100-41-4	Ethylbenzene	48.9	
591-78-6	2-Hexanone	183	
98-82-8	Isopropylbenzene (Cumene)	50.8	
99-87-6	p-Isopropyltoluene	54.2	
75-09-2	Methylene Chloride	48.1	
108-10-1	4-Methyl-2-pentanone (MIBK)	194	
1634-04-4	Methyl-tert-butyl ether	51.1	

09/10/2018 6:14

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MS

Lab Name: Pace Analytical - Indiana
Date Received: 08/29/2018 09:15
Date Extracted: 09/05/2018 01:10
Date Analyzed: 09/05/2018 01:10
Initial wt/vol: 6.429 g Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Solid SDG No.: 50204438
Lab Sample ID: 2122400
Lab File ID: A090418.B\C05.D
Instrument: 50MV6A Percent Moisture: 17.5%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
91-20-3	Naphthalene	24.6	
103-65-1	n-Propylbenzene	53.1	
100-42-5	Styrene	45.7	
630-20-6	1,1,1,2-Tetrachloroethane	47.3	
79-34-5	1,1,2,2-Tetrachloroethane	39.8	
127-18-4	Tetrachloroethene	49.2	
108-88-3	Toluene	48.4	
120-82-1	1,2,4-Trichlorobenzene	27.8	
71-55-6	1,1,1-Trichloroethane	51.5	
79-00-5	1,1,2-Trichloroethane	44.7	
79-01-6	Trichloroethene	49.2	
75-69-4	Trichlorofluoromethane	54.7	
95-63-6	1,2,4-Trimethylbenzene	50.3	
108-67-8	1,3,5-Trimethylbenzene	51.9	
108-05-4	Vinyl acetate	10.3	J
75-01-4	Vinyl chloride	52.9	
179601-23-1	m&p-Xylene	98.1	
95-47-6	o-Xylene	49.7	

09/10/2018 6:14

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6a.i\a090418.b\c05.d
 Lab Smp Id: 2122400 Client Smp ID: LA 312 (RUG-1S)MS
 Inj Date : 05-SEP-2018 01:10
 Operator : ala Inst ID: 50mv6a.i
 Smp Info : 2122400,184730:5
 Misc Info : 117877
 Comment :
 Method : \\192.168.50.6\chem\50mv6a.i\a090418.b\ -a8260sl_a_c.m
 Meth Date : 05-Sep-2018 10:55 50mv6a.i Quant Type: ISTD
 Cal Date : 28-AUG-2018 14:20 Cal File: a01.d
 Als bottle: 26 QC Sample: MS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A
 Processing Host: 50-VOA-ALA1

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	17.486	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb)	FINAL (ppb)
1 Dichlorodifluoromethane	85		0.916	0.916	(0.228)	68738	56.4586	68.4	
2 Chloromethane	50		0.996	0.996	(0.248)	52818	38.1570	46.2	
3 Vinyl Chloride	62		1.039	1.039	(0.258)	71584	56.1154	68.0	
4 Bromomethane	94		1.178	1.178	(0.293)	48544	43.0452	52.2	
5 Chloroethane	64		1.221	1.221	(0.303)	46488	54.2349	65.7	
6 Trichlorofluoromethane	101		1.328	1.328	(0.330)	99723	58.0184	70.3	
8 Diethyl ether	74		1.446	1.445	(0.359)	27160	50.5857	61.3	
7 1,2-dichlorotrifluoroethane	67		1.462	1.462	(0.363)	77117	54.4133	65.9	
9 Acrolein	56		1.515	1.515	(0.377)	193732	1155.50	1400	
10 1,1,2trichlorotrifluoroethane	101		1.563	1.563	(0.389)	68153	62.4726	75.7	
11 1,1-Dichloroethene	96		1.569	1.569	(0.390)	57561	55.4051	67.1	
12 Acetone	43		1.579	1.579	(0.393)	52147	199.091	241	
13 Iodomethane	142		1.649	1.649	(0.410)	140485	112.417	136	
14 Carbon Disulfide	76		1.697	1.697	(0.422)	197081	51.1957	62.0	
16 Methyl Acetate	43		1.740	1.740	(0.432)	50151	76.3031	92.5	
143 Acetonitrile	39		1.751	1.750	(0.435)	102927	47.6307	57.7	
15 allyl chloride	41		1.751	1.750	(0.435)	156338	98.7136	120	
17 Methylene Chloride	84		1.826	1.825	(0.454)	54665	51.0497	61.9	
18 tert-Butyl Alcohol	59		1.863	1.863	(0.463)	9101	73.6837	89.3(Q)	
19 Acrylonitrile	53		1.954	1.954	(0.486)	45136	151.332	183	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb)	FINAL (ppb)
20 Methyl-tert-butyl ether	73	1.975	1.975	(0.491)	121445	54.2440	65.7
21 1,2-Dichloroethene (trans)	96	1.986	1.986	(0.494)	58168	53.7901	65.2
22 n-Hexane	57	2.152	2.152	(0.535)	84315	55.8851	67.7
24 Vinyl Acetate	43	2.264	2.264	(0.563)	14927	10.9691	13.3 (R)
23 1,1-Dichloroethane	63	2.275	2.275	(0.565)	74522	46.3407	56.2
147 chloroprene	53	2.323	2.323	(0.577)	64958	53.0936	64.3
28 2-Butanone	72	2.714	2.713	(0.674)	15702	167.996	204 (QR)
26 1,2-Dichloroethene (cis)	96	2.724	2.724	(0.677)	45494	50.5852	61.3 (Q)
27 2,2-Dichloropropane	77	2.730	2.729	(0.678)	64487	53.8489	65.3
144 Methacrylonitrile	41	2.906	2.911	(0.722)	58365	177.152	215
30 Bromochloromethane	49	2.944	2.943	(0.731)	30544	48.4449	58.7
31 Tetrahydrofuran	42	2.970	2.970	(0.738)	7950	37.9764	46.0
32 Chloroform	83	3.051	3.050	(0.758)	73857	46.2568	56.0
\$ 33 Dibromofluoromethane (S)	113	3.216	3.211	(0.799)	26125	47.7481	57.9
34 1,1,1-Trichloroethane	97	3.211	3.211	(0.798)	70861	54.6005	66.2
35 Cyclohexane	56	3.286	3.286	(0.817)	62566	47.1974	57.2
150 n-Butyl chloride	56	3.350	3.350	(0.833)	85383	54.4855	66.0
36 Carbon Tetrachloride	117	3.382	3.382	(0.840)	63887	54.3104	65.8
37 1,1-Dichloropropene	75	3.388	3.393	(0.842)	61749	54.9594	66.6
39 Benzene	78	3.623	3.623	(0.900)	159824	51.3818	62.3
40 1,2-Dichloroethane	62	3.709	3.708	(0.922)	43345	47.5511	57.6
145 isopropyl acetate	61	3.730	3.735	(0.927)	30236	132.662	161 (Q)
141 2,2,4-Trimethylpentane	57	3.783	3.783	(0.940)	169239	63.1540	76.5
38 Isobutyl alcohol	43	3.548	3.553	(0.882)	4590	128.442	156
* 41 Fluorobenzene	96	4.024	4.029	(1.000)	81130	50.0000	
42 Trichloroethene	95	4.479	4.479	(1.113)	42360	52.1553	63.2
43 Methylcyclohexane	55	4.736	4.741	(1.177)	54489	49.7417	60.3
44 1,2-Dichloropropane	63	4.784	4.789	(1.189)	38283	51.2128	62.1
45 Dibromomethane	93	4.880	4.885	(1.213)	20984	48.8107	59.2
142 1,4-Dioxane	88	4.896	4.896	(1.217)	6221	697.534	845
46 Methyl methacrylate	69	4.902	4.907	(1.218)	31559	69.5748	84.3 (R)
47 Bromodichloromethane	83	5.105	5.105	(1.268)	50900	48.8412	59.2
48 2-Chloroethyl vinyl ether	63	5.458	5.452	(0.764)	3004	24.0585	29.2
49 cis-1,3-Dichloropropene	75	5.586	5.591	(0.781)	53897	48.5456	58.8
50 4-Methyl-2-Pentanone	43	5.763	5.763	(0.806)	120970	205.628	249 (R)
\$ 51 Toluene-d8	98	5.848	5.854	(0.818)	90890	52.1192	63.2
52 Toluene	91	5.918	5.923	(0.828)	160174	51.3228	62.2
53 trans-1,3-Dichloropropene	75	6.202	6.201	(0.868)	42771	39.7132	48.1
54 Ethyl Methacrylate	69	6.287	6.292	(0.880)	101852	122.123	148 (R)
55 1,1,2-Trichloroethane	83	6.389	6.394	(0.894)	24714	47.4016	57.4
56 Tetrachloroethene	166	6.432	6.431	(0.900)	44785	52.2492	63.3
57 1,3-Dichloropropane	76	6.533	6.533	(0.914)	45380	49.0904	59.5
58 2-Hexanone	43	6.608	6.608	(0.924)	82071	194.080	235
59 Dibromochloromethane	129	6.715	6.715	(0.939)	34282	47.0158	57.0
60 1,2-Dibromoethane	107	6.790	6.795	(0.950)	27200	40.9048	49.6
* 61 Chlorobenzene-d5	117	7.148	7.148	(1.000)	57817	50.0000	
62 Chlorobenzene	112	7.170	7.170	(1.003)	92477	47.5669	57.6
63 1,1,1,2-Tetrachloroethane	131	7.245	7.245	(1.013)	34804	50.2200	60.9
64 Ethylbenzene	106	7.250	7.250	(1.014)	54661	51.8761	62.9
65 m&p-Xylene	106	7.341	7.341	(1.027)	135417	104.057	126
67 o-Xylene	106	7.582	7.582	(1.061)	61921	52.7521	63.9
68 Styrene	104	7.598	7.598	(1.063)	98754	48.4432	58.7
69 Bromoform	173	7.710	7.710	(0.904)	18945	44.1262	53.5
146 n-amyl acetate	70	7.726	7.726	(1.920)	8725	19.4279	23.5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb)	FINAL (ppb)
70 Isopropylbenzene	105	7.812	7.812	(1.093)	177181	53.9467	65.4
\$ 72 4-Bromofluorobenzene	95	7.913	7.913	(1.107)	29429	49.5243	60.0
74 Bromobenzene	77	7.978	7.977	(1.116)	49621	42.4556	51.4
73 1,1,2,2-Tetrachloroethane	83	7.999	7.999	(0.938)	32322	42.1878	51.1
71 trans-1,4-Dichloro-2-butene	53	8.020	8.020	(1.122)	29041	142.163	172 (Q)
75 1,2,3-Trichloropropane	110	8.026	8.026	(0.941)	8648	46.5827	56.4 (Q)
76 n-Propylbenzene	91	8.047	8.047	(0.944)	208202	56.3050	68.2
77 2-Chlorotoluene	91	8.090	8.090	(0.949)	113765	54.2289	65.7
78 1,3,5-Trimethylbenzene	105	8.149	8.149	(0.955)	126693	55.0779	66.8
79 4-Chlorotoluene	126	8.160	8.159	(0.957)	37333	52.0164	63.0
80 tert-Butylbenzene	119	8.309	8.309	(0.974)	123429	44.6352	54.1
81 1,2,4-Trimethylbenzene	105	8.341	8.341	(0.978)	123684	53.3808	64.7
82 sec-Butylbenzene	105	8.427	8.427	(0.988)	200180	60.1884	72.9 (R)
83 1,3-Dichlorobenzene	146	8.486	8.486	(0.995)	64767	44.7656	54.2
84 p-Isopropyltoluene	119	8.507	8.507	(0.997)	154107	57.4803	69.7
* 85 1,4-Dichlorobenzene-d4	152	8.529	8.528	(1.000)	29122	50.0000	
86 1,4-Dichlorobenzene	146	8.539	8.539	(1.001)	64057	42.5942	51.6
87 n-Butylbenzene	91	8.705	8.705	(1.021)	143927	53.2939	64.6
88 1,2-Dichlorobenzene	146	8.711	8.710	(1.021)	57618	42.3101	51.3
89 1,2-Dibromo-3-chloropropane	155	9.080	9.079	(1.065)	4700	36.7730	44.6
90 1,2,4-Trichlorobenzene	180	9.443	9.443	(1.107)	28206	29.5334	35.8 (R)
91 Hexachlorobutadiene	225	9.502	9.502	(1.114)	29638	50.4177	61.1
92 Naphthalene	128	9.556	9.556	(1.120)	60403	26.0881	31.6 (R)
93 1,2,3-Trichlorobenzene	180	9.652	9.652	(1.132)	23832	23.9186	29.0 (R)
94 2-methyl-naphthalene	142	10.059	10.058	(1.179)	25024	15.9402	19.3 (R)
148 1-Methylnaphthalene	141	10.144	10.144	(1.189)	20278	16.1186	19.5 (R)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
 R - Spike/Surrogate failed recovery limits.

Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Sample Info: 2122400,184730:5

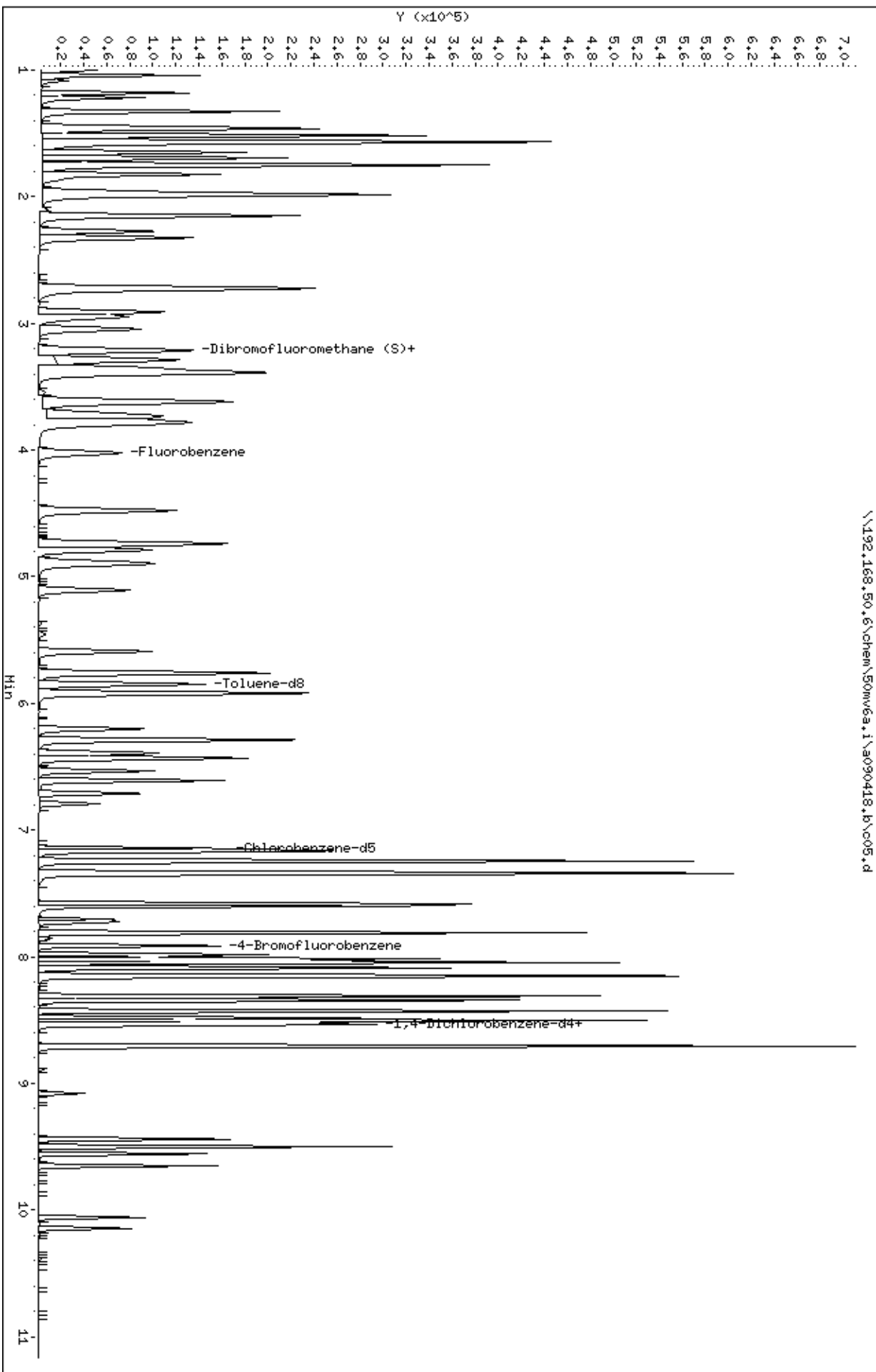
Instrument: 50mw6a.i

Operator: alia

Column diameter: 0.18

Column phase: DB-624

\\192.168.50.6\chem\50mw6a.i\A090418.b\c05.d



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

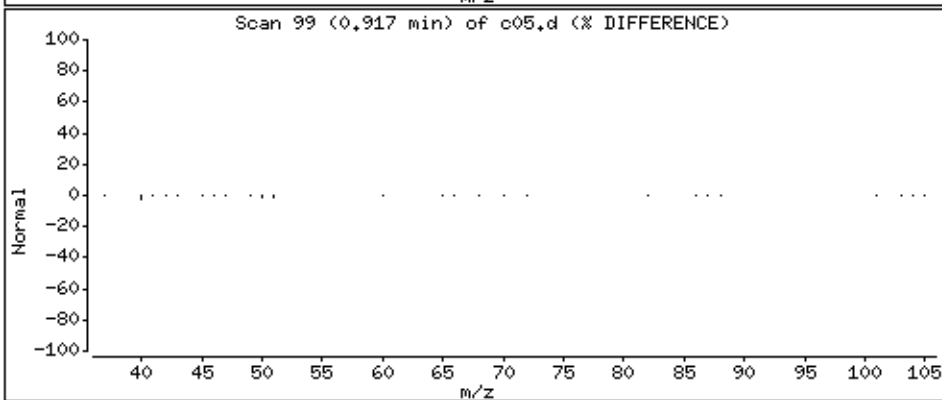
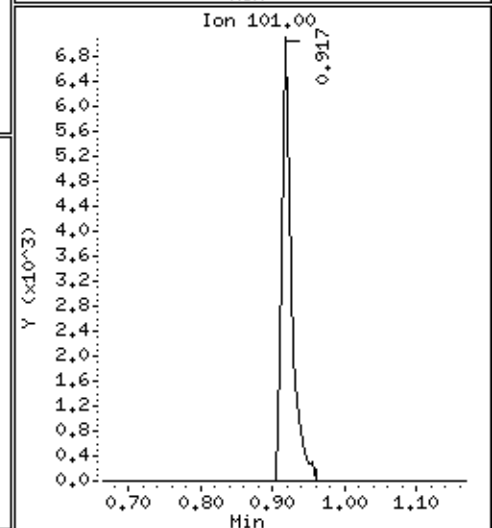
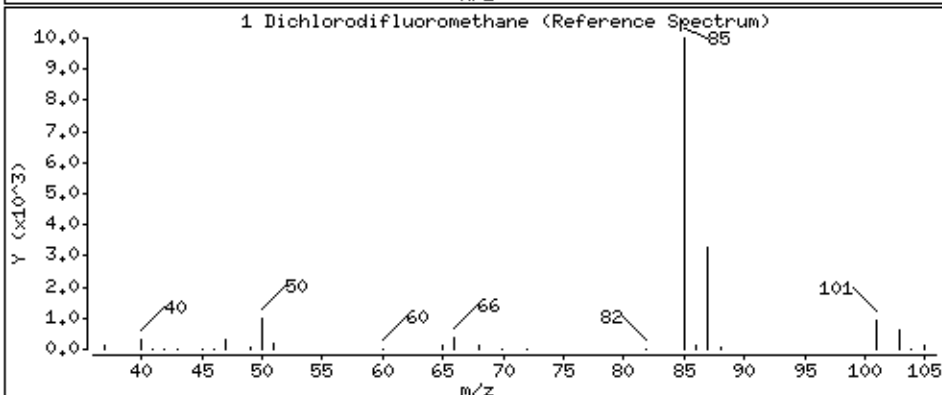
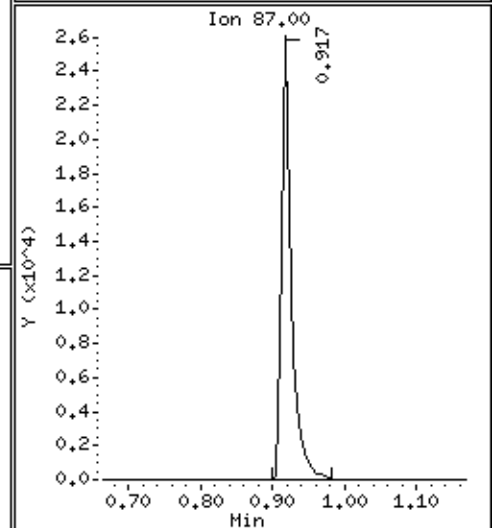
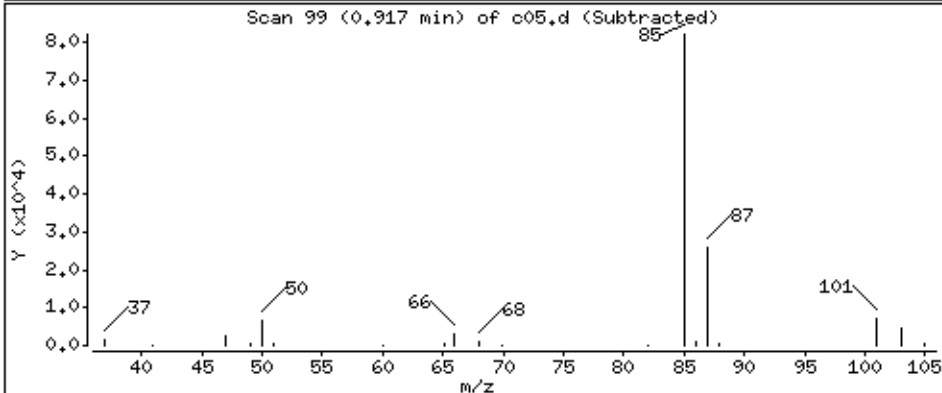
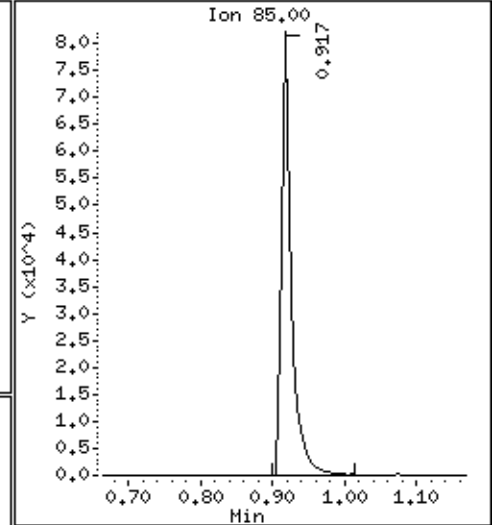
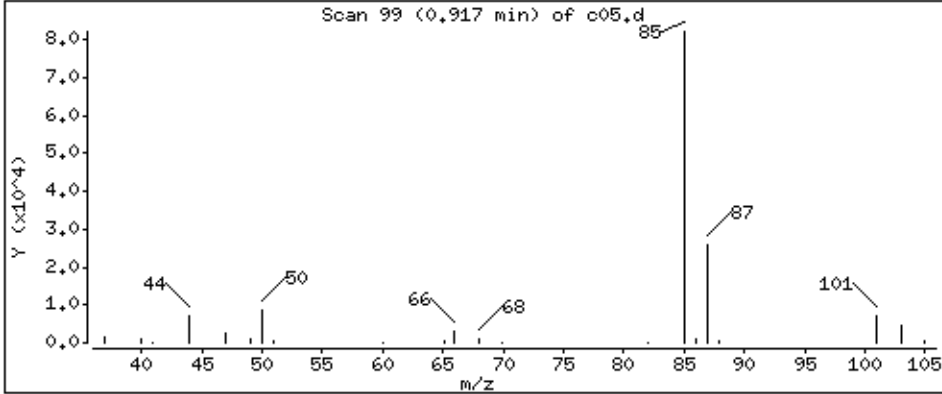
Operator: ala

Column phase: DB-624

Column diameter: 0,18

1 Dichlorodifluoromethane

Concentration: 68,4 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

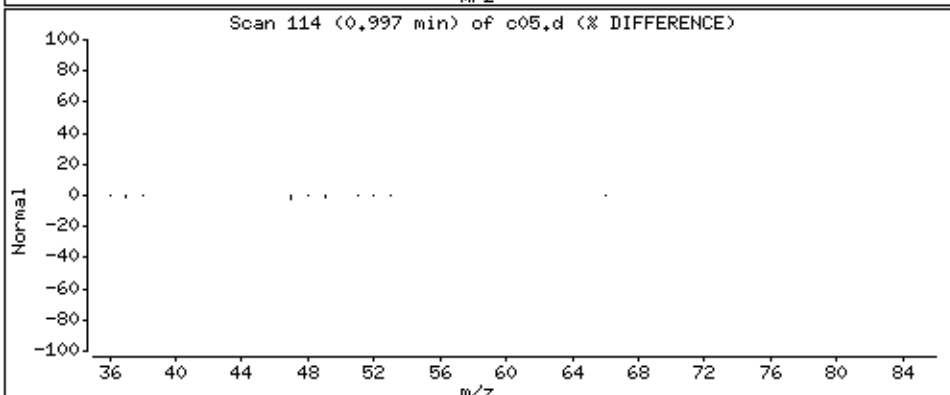
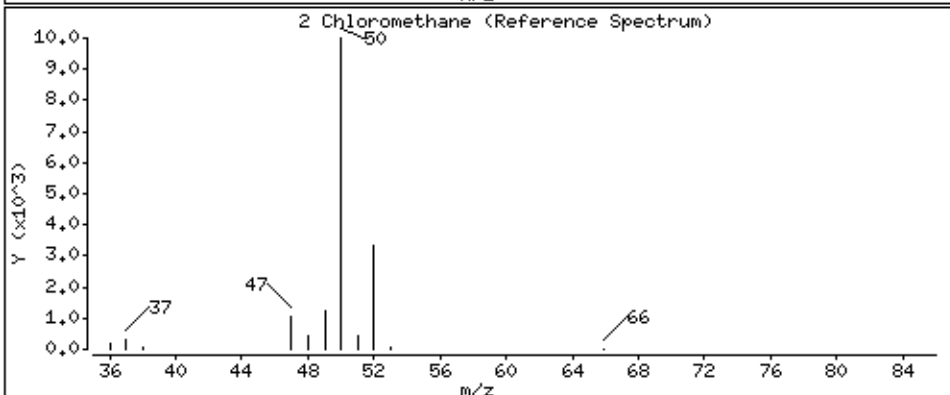
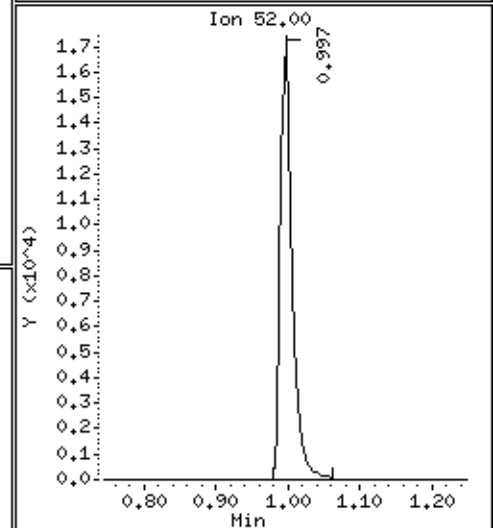
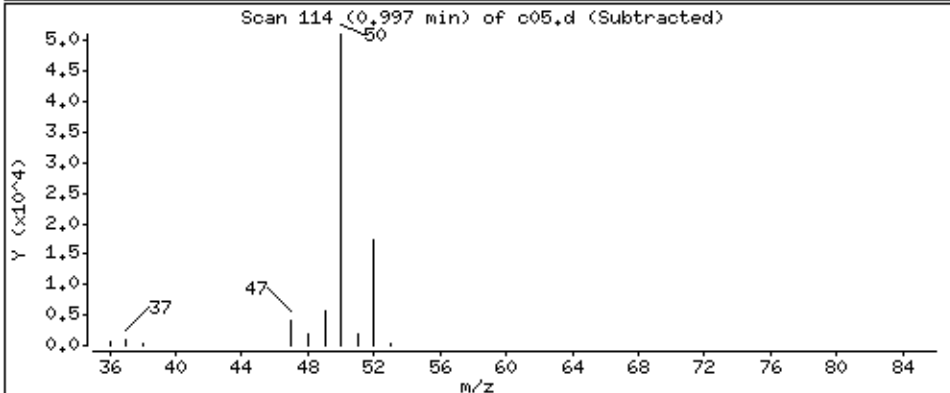
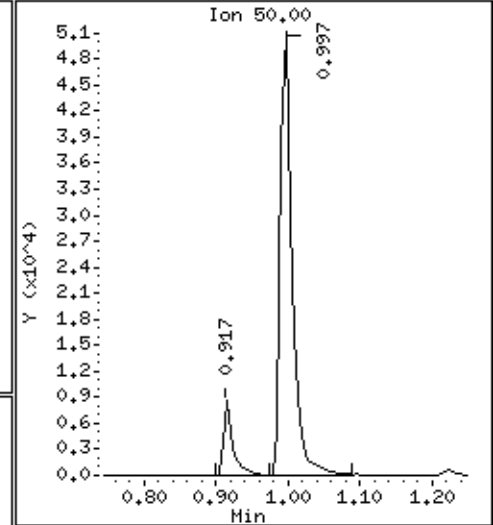
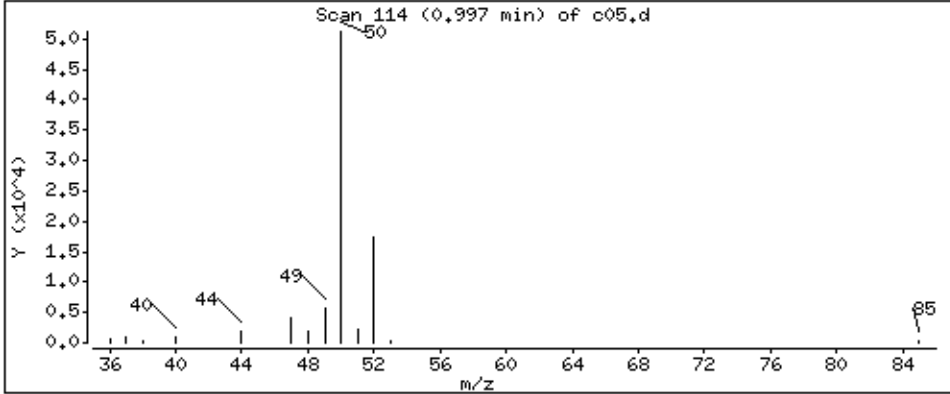
Operator: ala

Column phase: DB-624

Column diameter: 0,18

2 Chloromethane

Concentration: 46,2 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

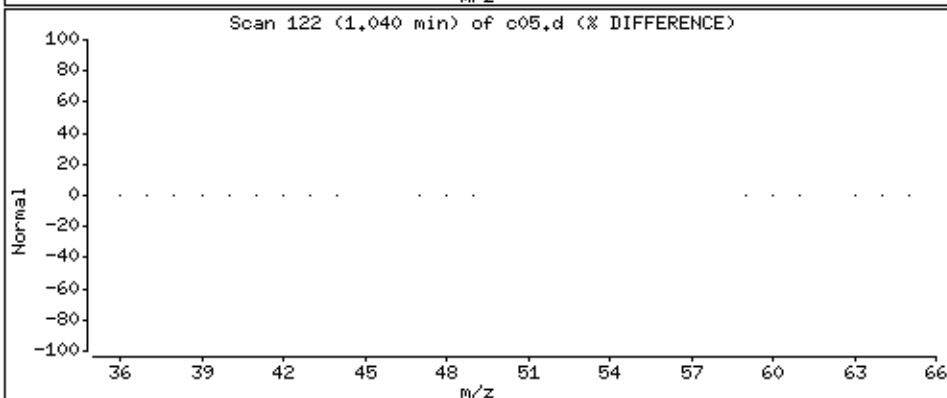
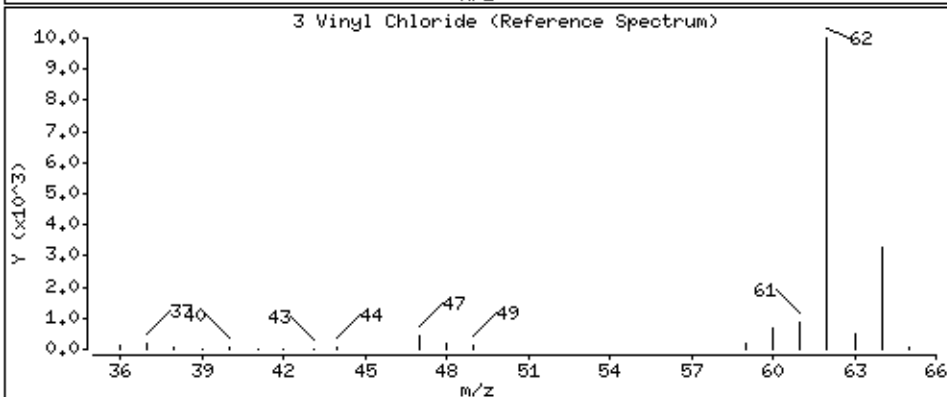
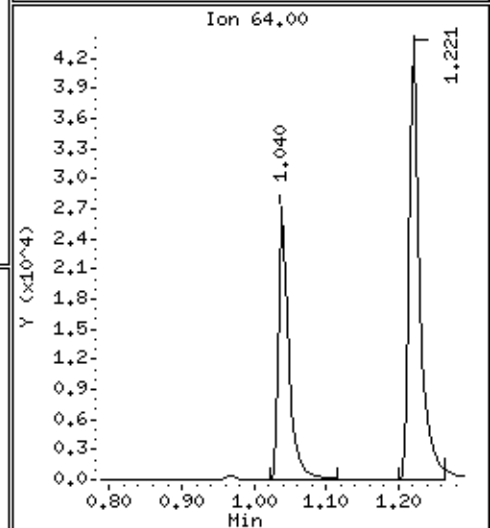
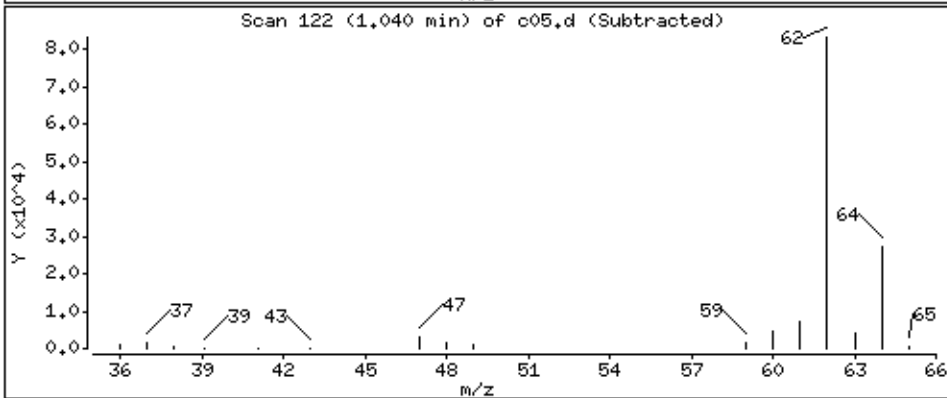
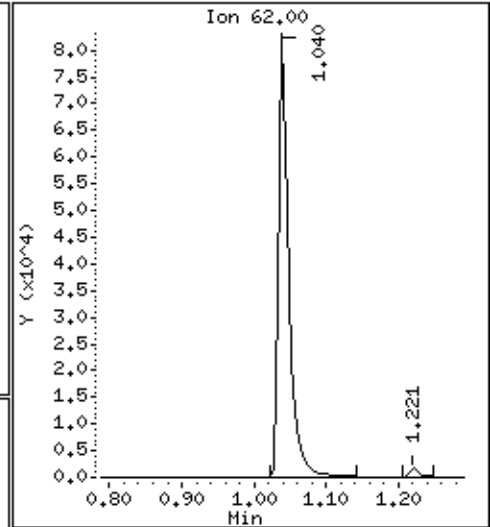
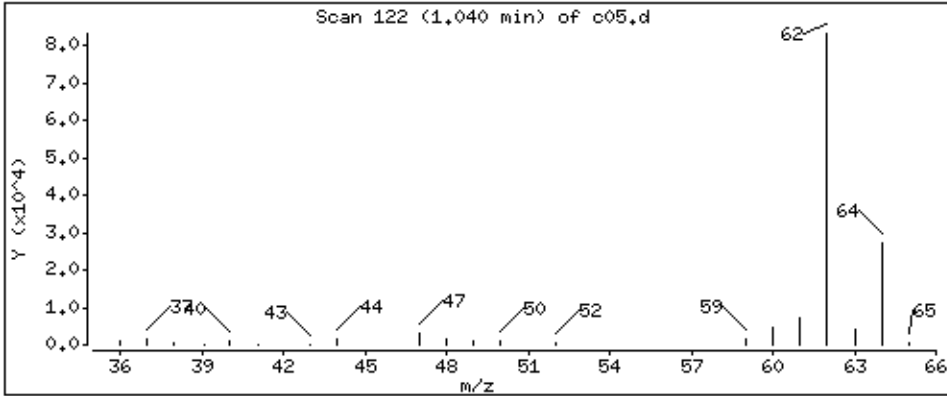
Operator: ala

Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 68,0 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

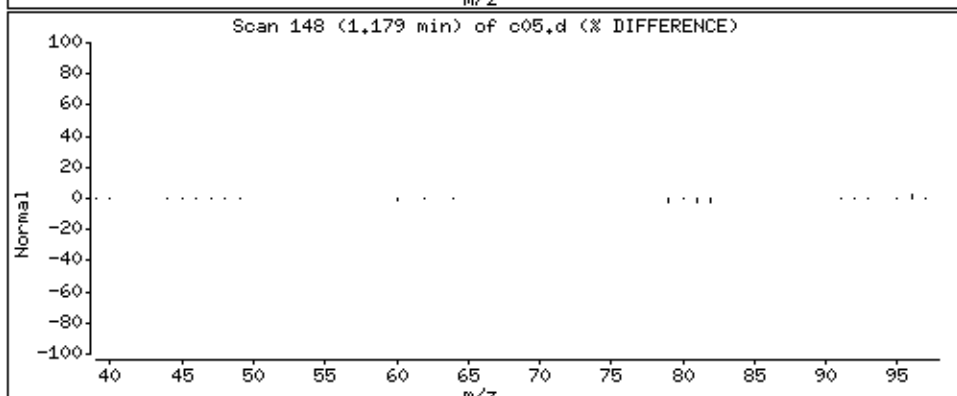
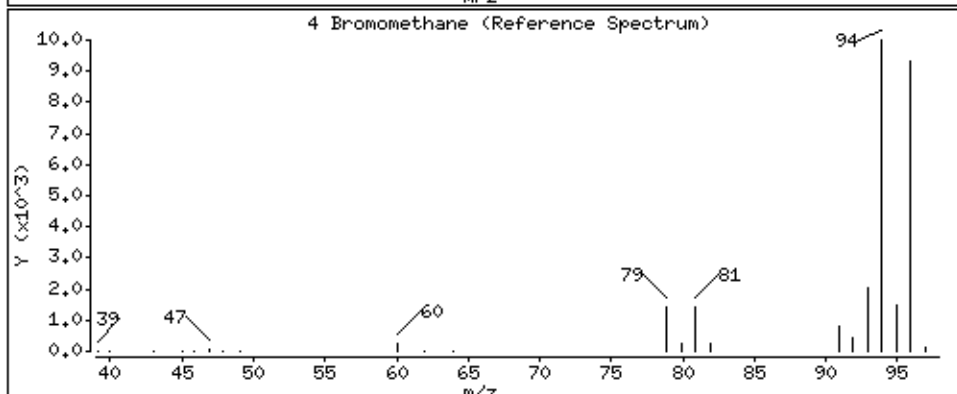
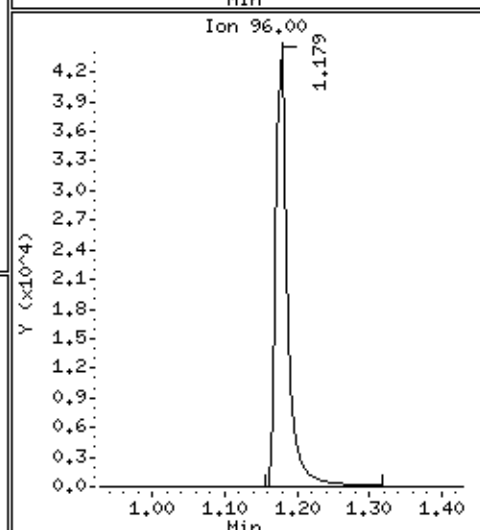
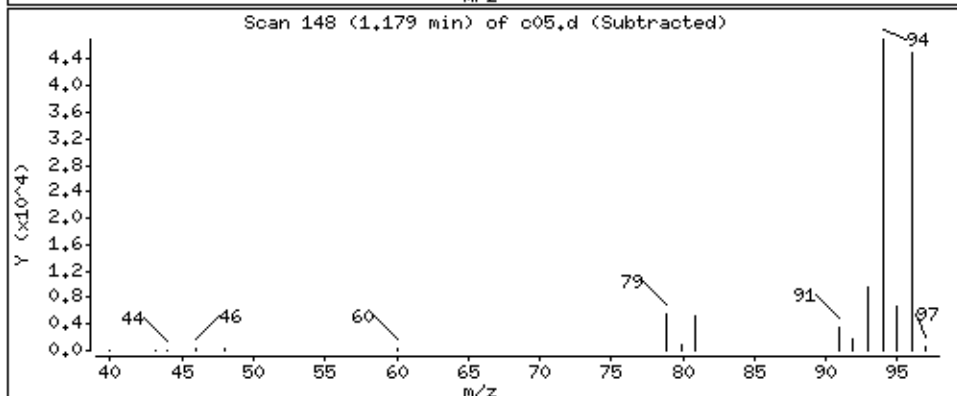
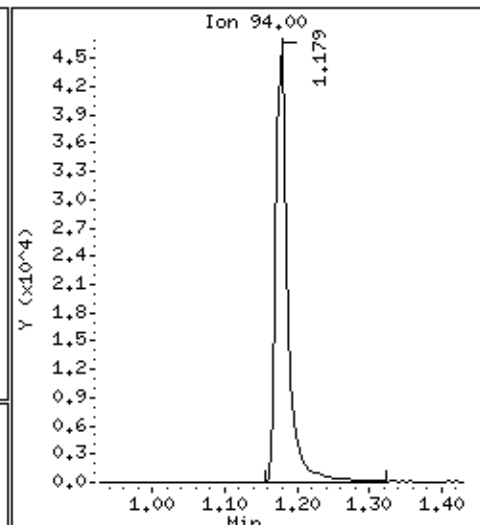
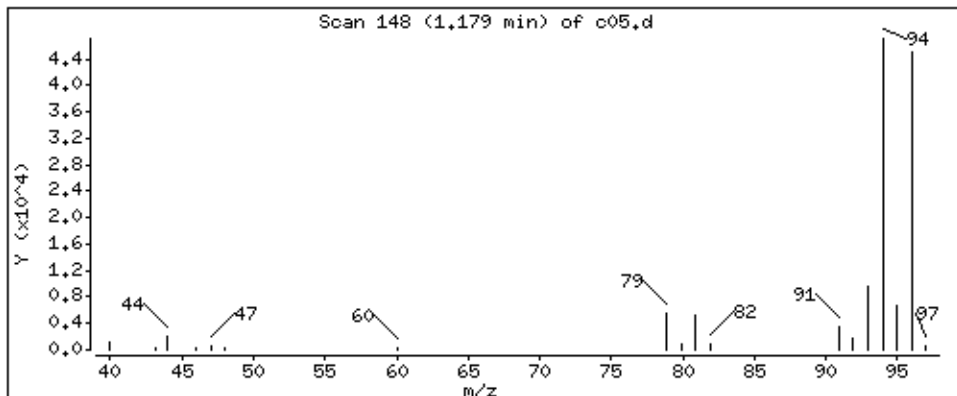
Operator: ala

Column phase: DB-624

Column diameter: 0,18

4 Bromomethane

Concentration: 52.2 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

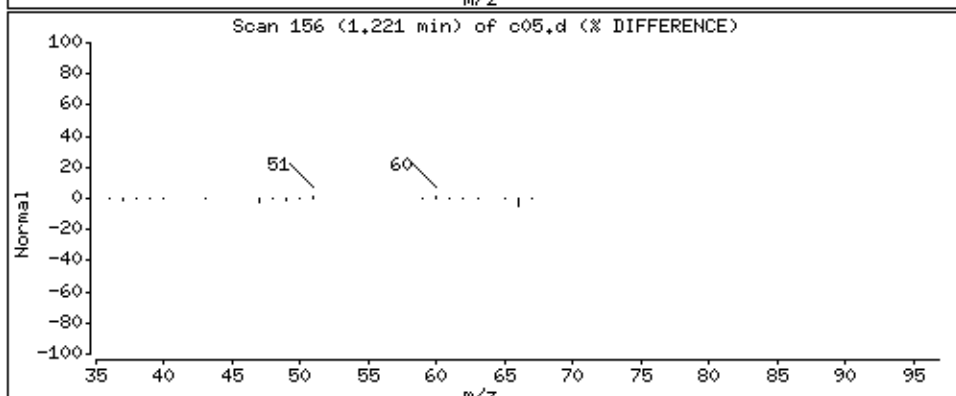
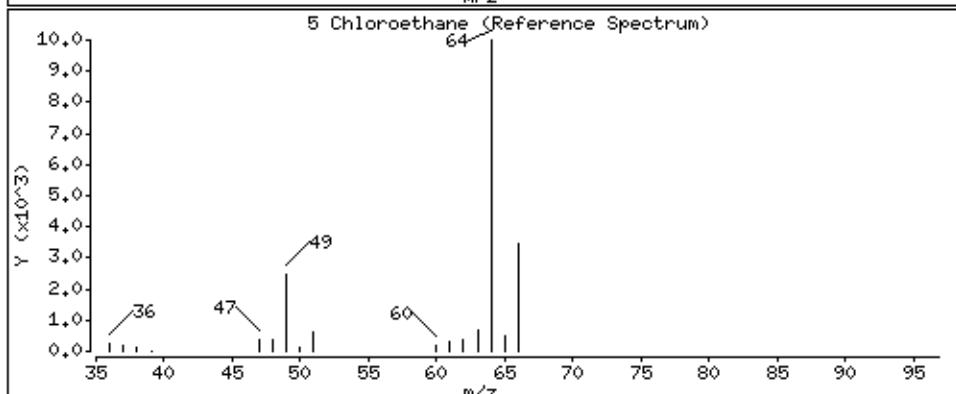
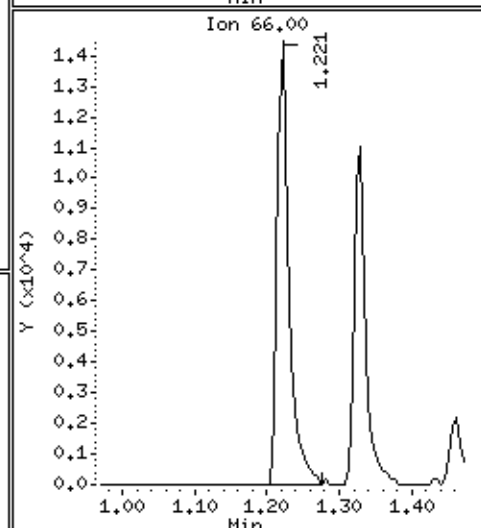
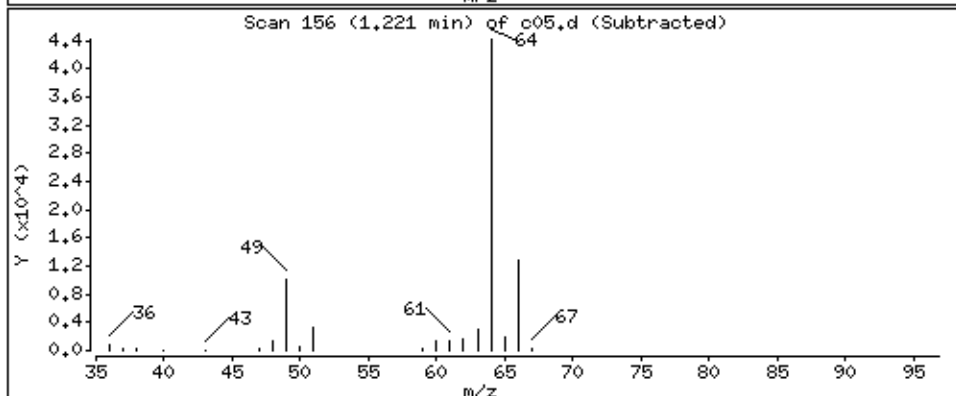
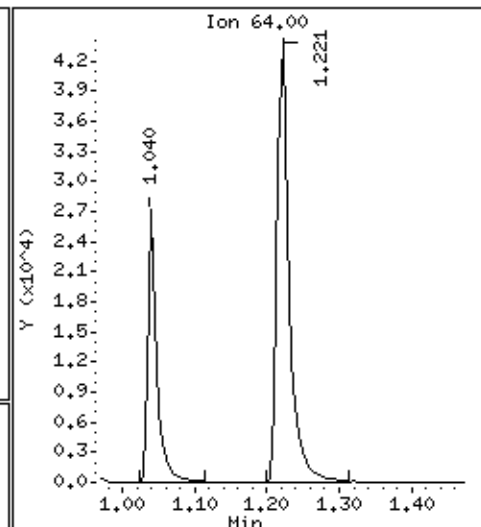
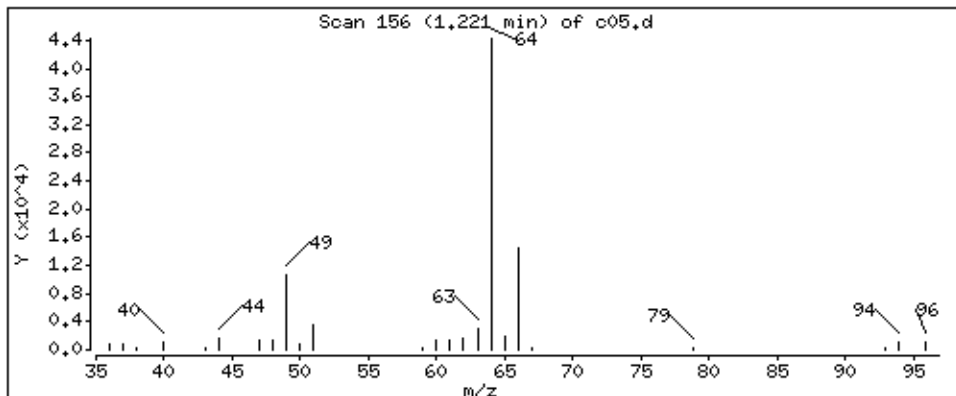
Operator: ala

Column phase: DB-624

Column diameter: 0,18

5 Chloroethane

Concentration: 65,7 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

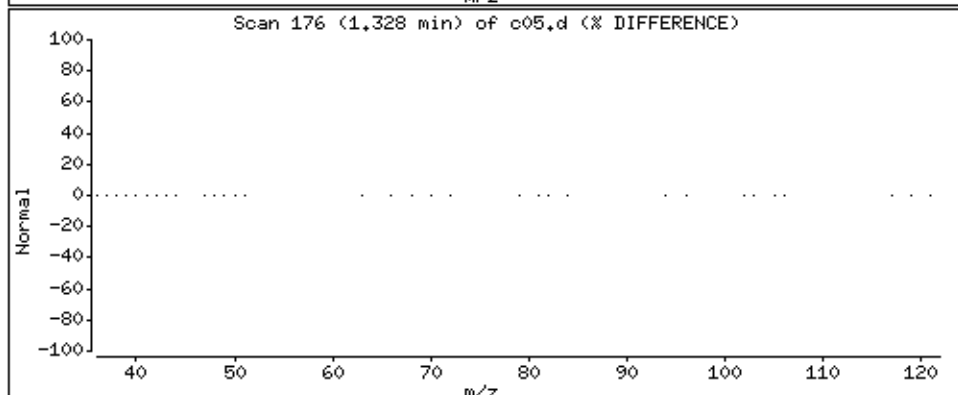
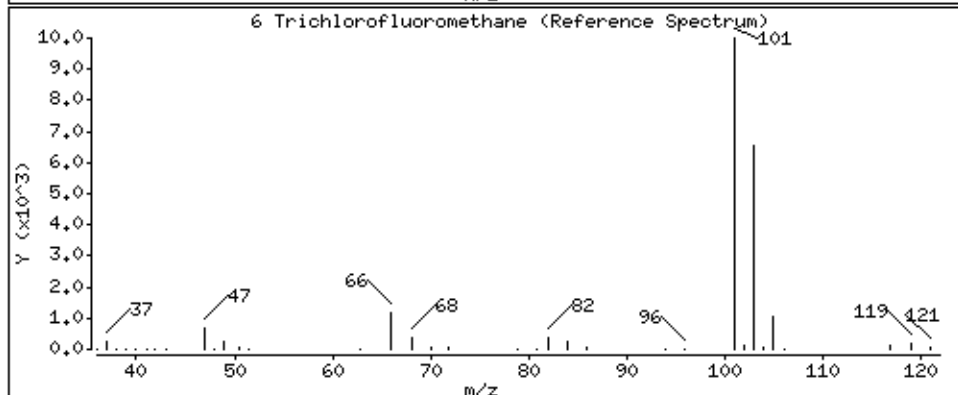
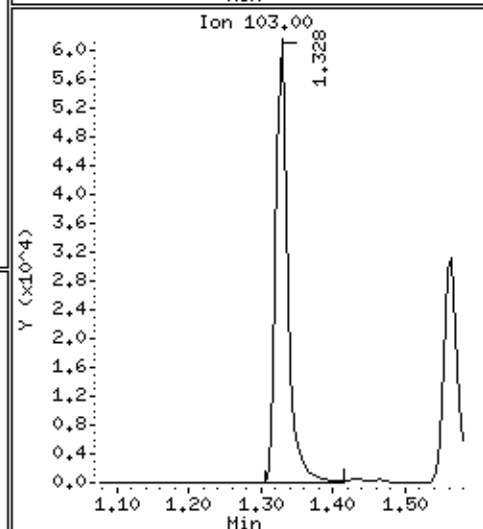
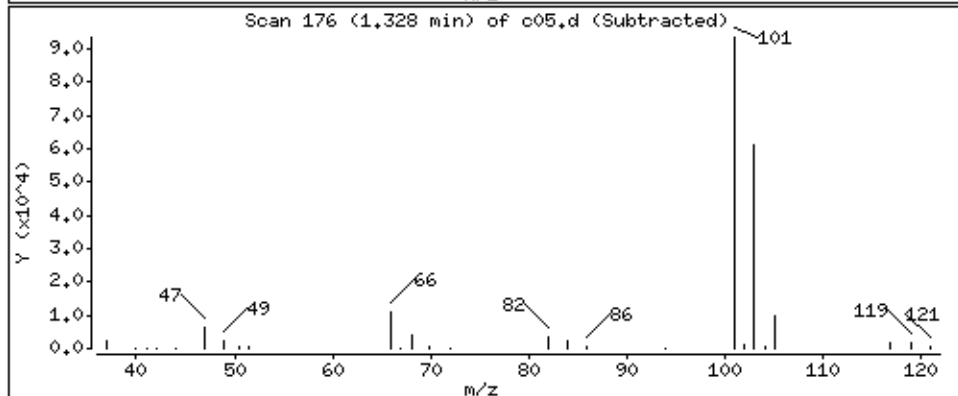
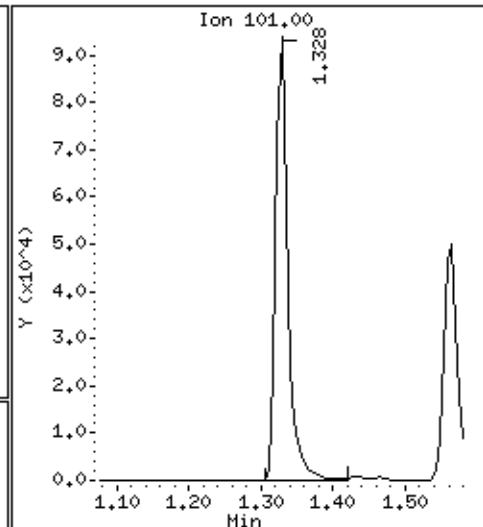
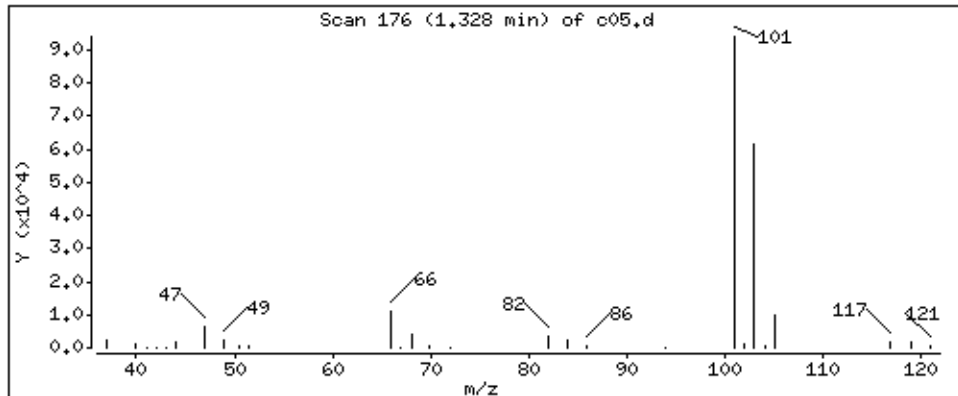
Operator: ala

Column phase: DB-624

Column diameter: 0,18

6 Trichlorofluoromethane

Concentration: 70,3 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

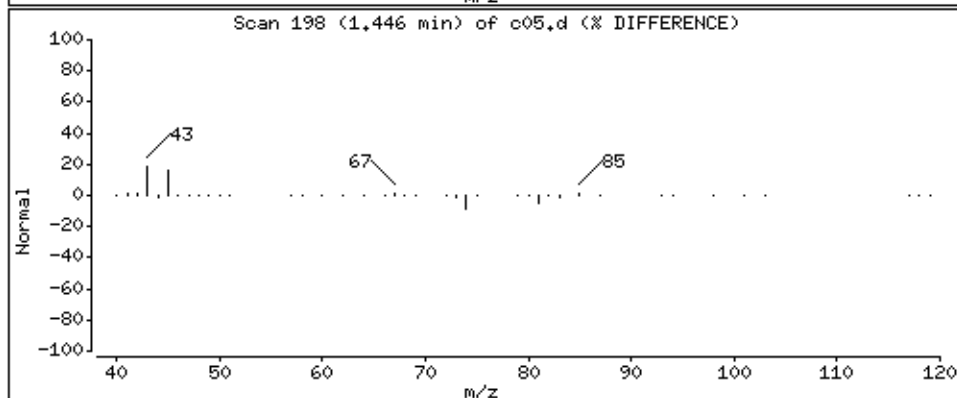
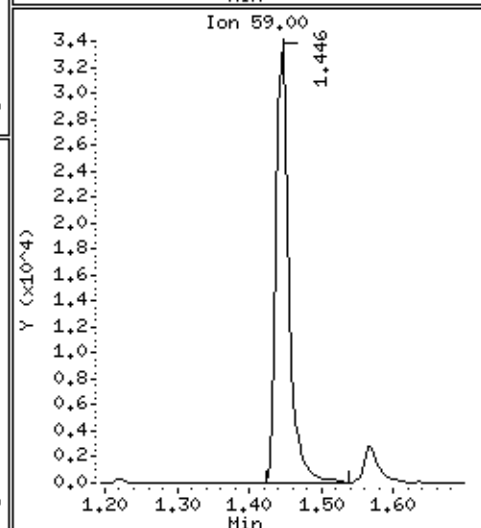
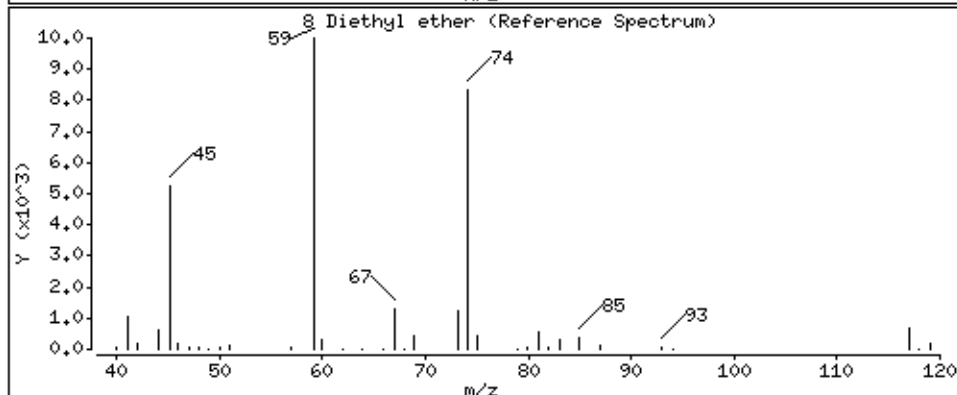
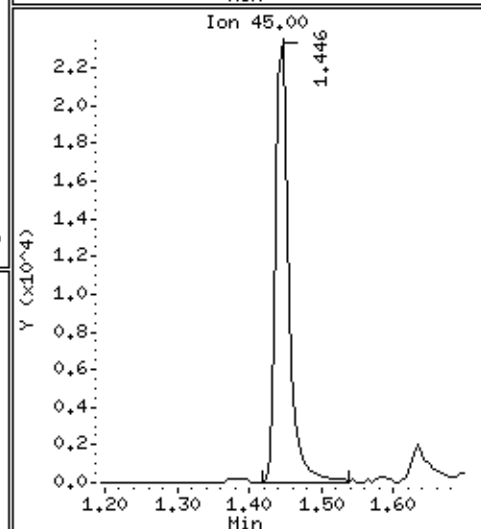
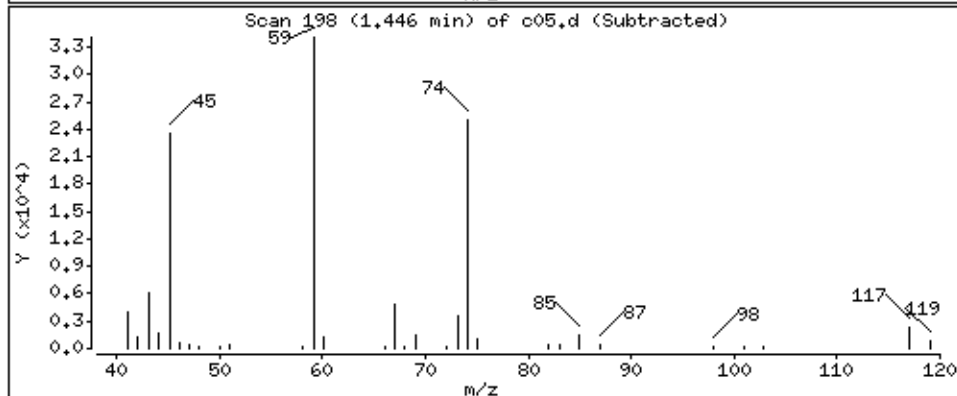
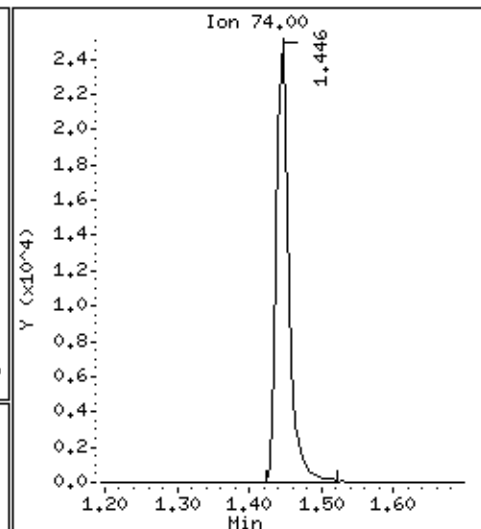
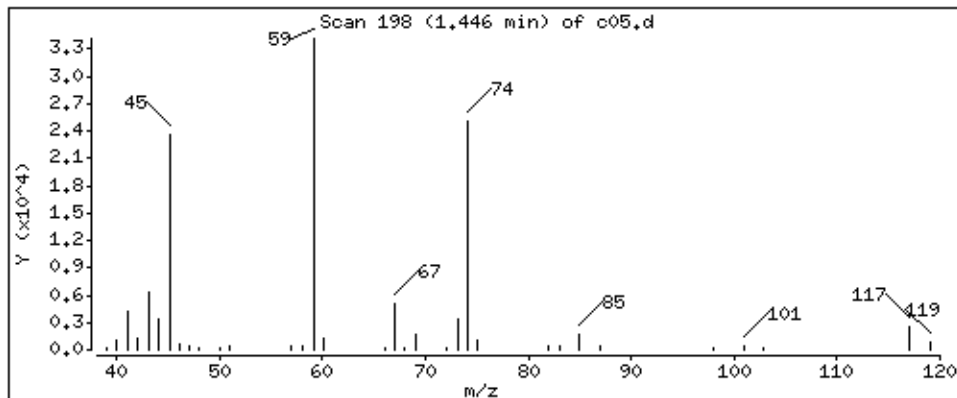
Operator: ala

Column phase: DB-624

Column diameter: 0,18

8 Diethyl ether

Concentration: 61.3 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

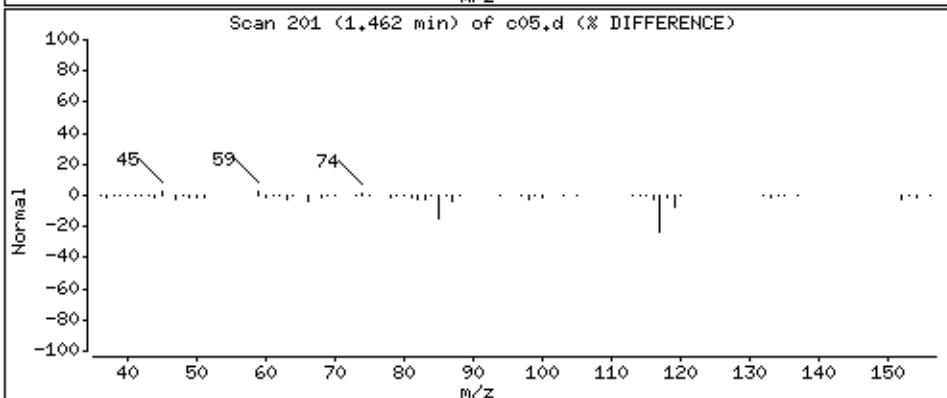
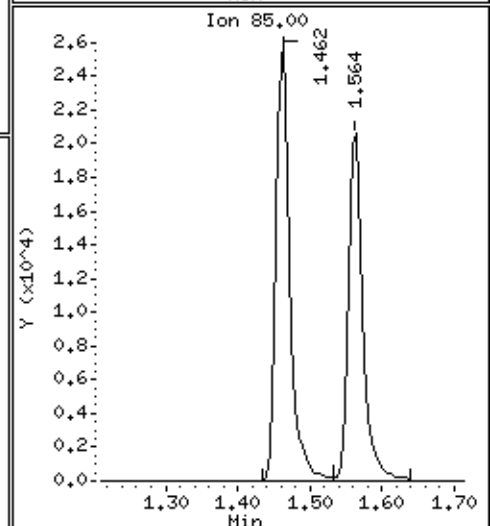
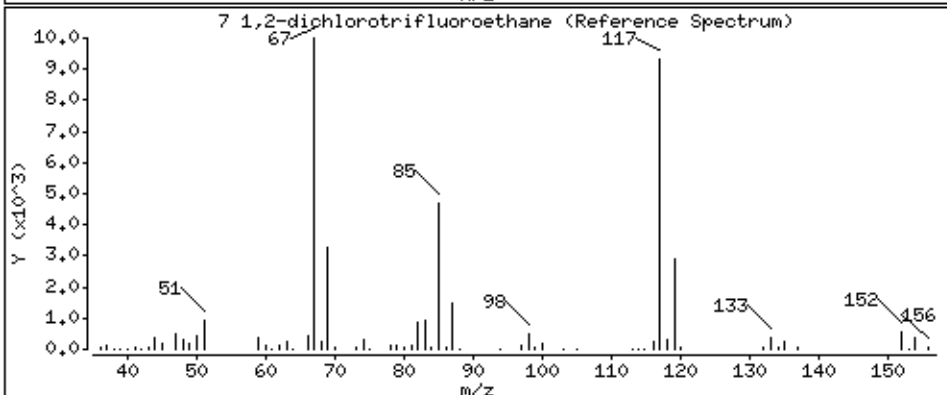
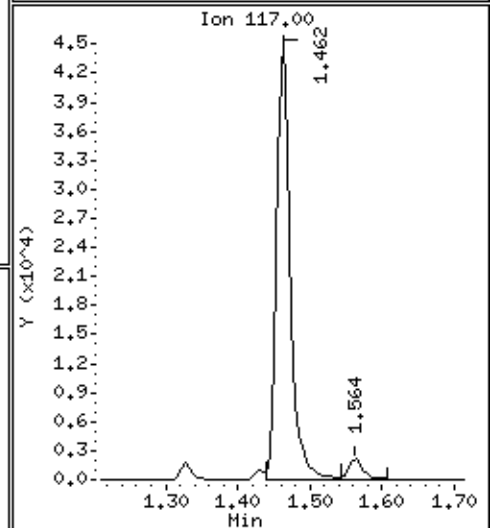
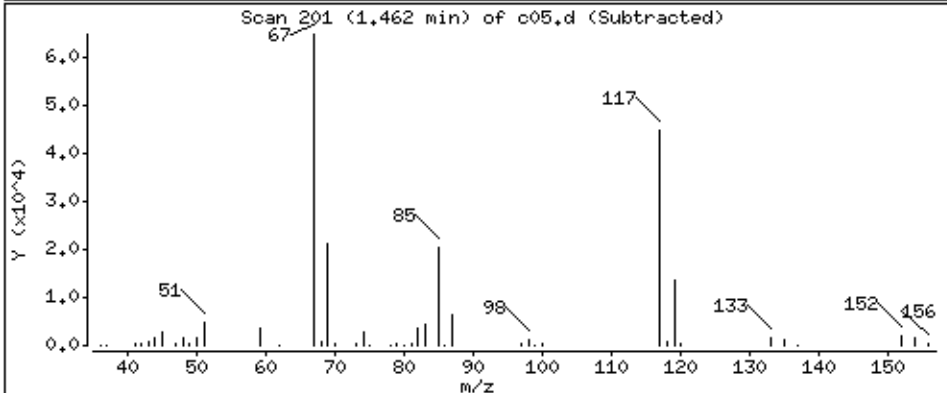
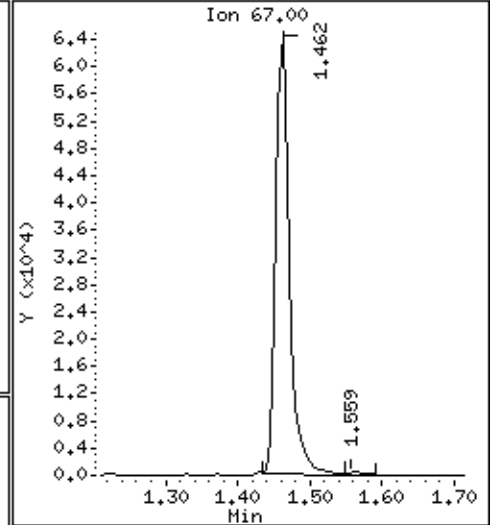
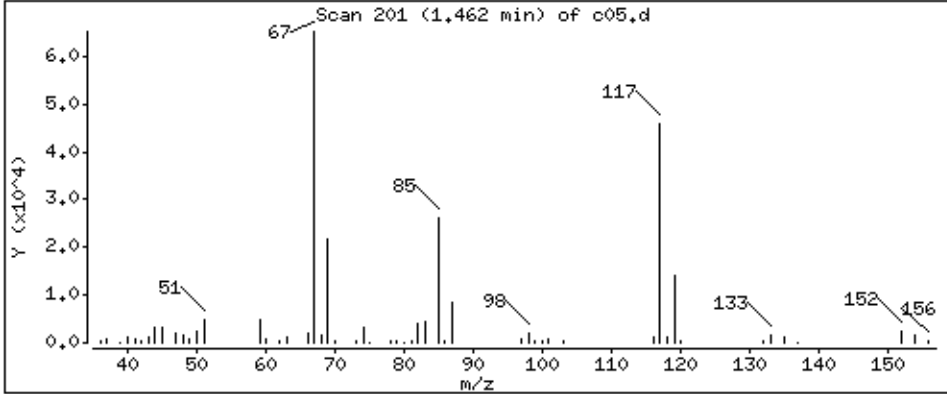
Operator: ala

Column phase: DB-624

Column diameter: 0,18

7 1,2-dichlorotrifluoroethane

Concentration: 65,9 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

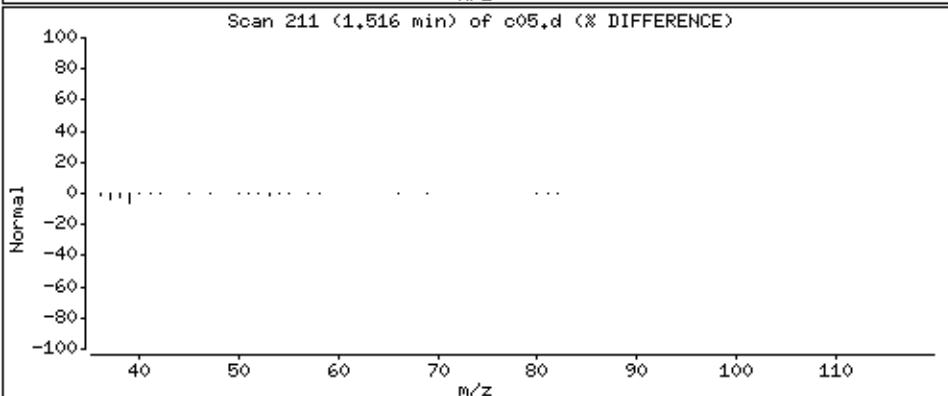
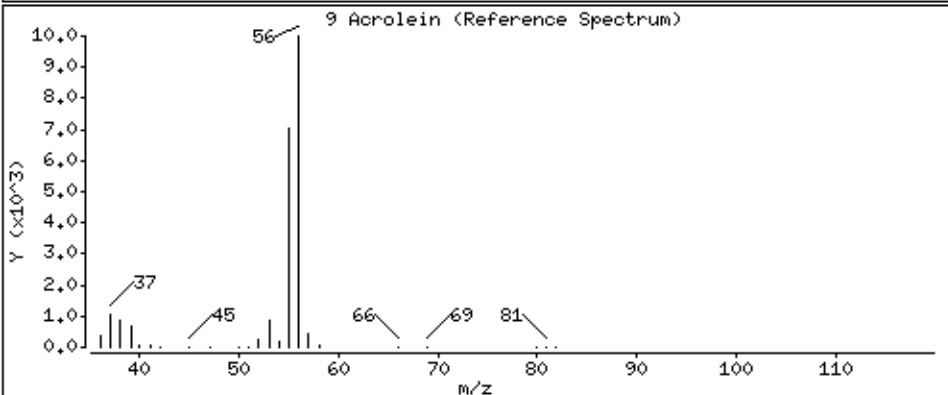
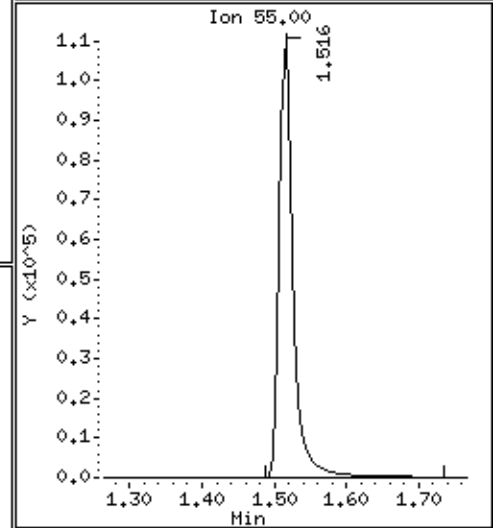
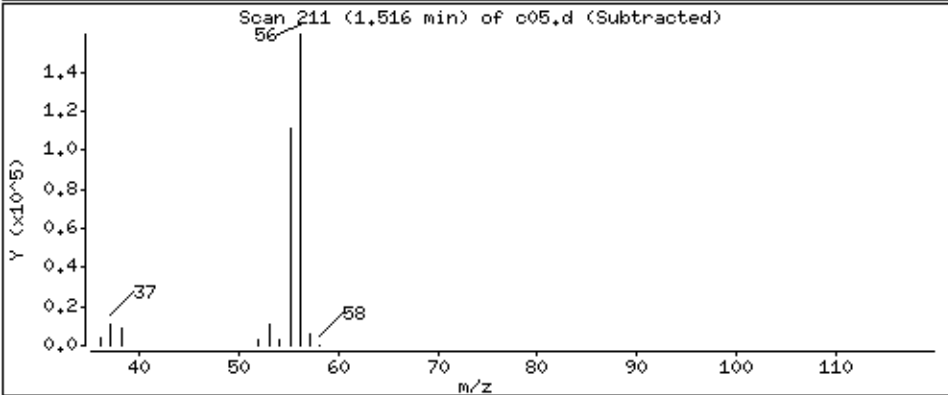
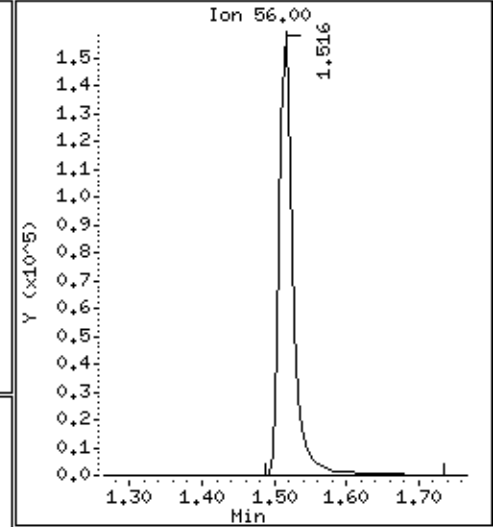
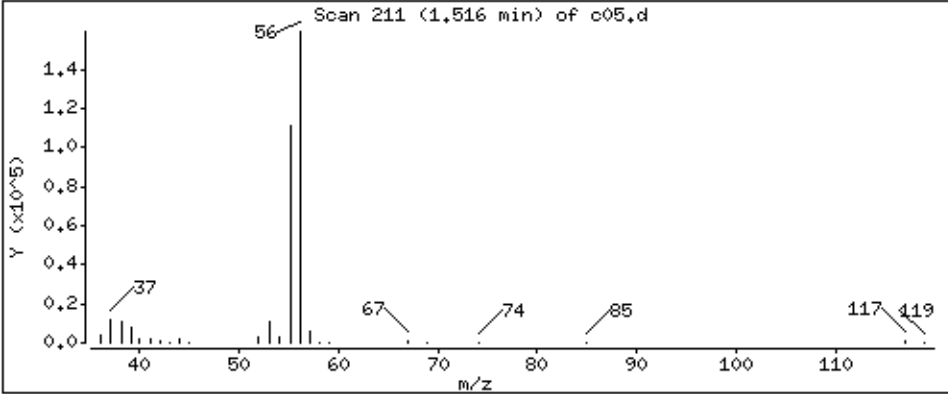
Operator: ala

Column phase: DB-624

Column diameter: 0,18

9 Acrolein

Concentration: 1400 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

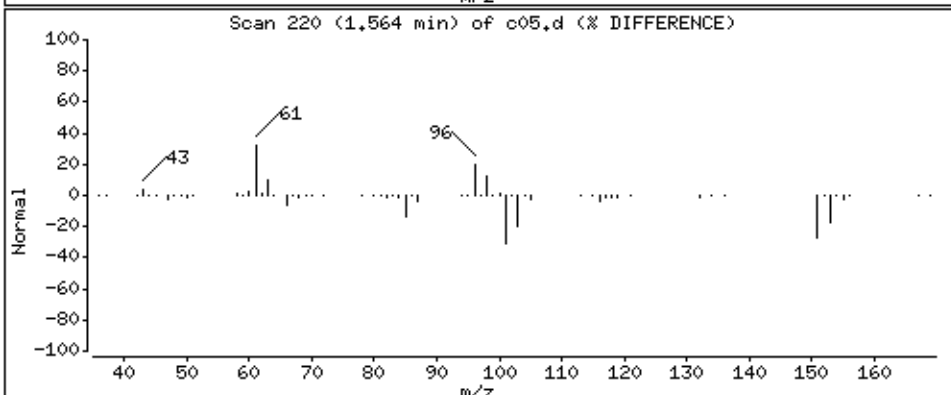
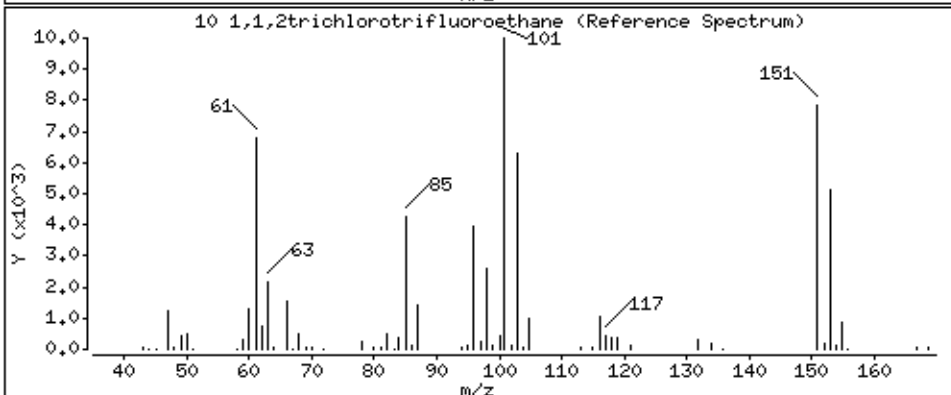
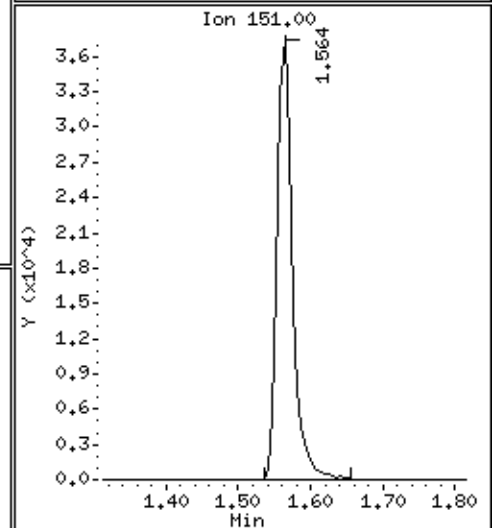
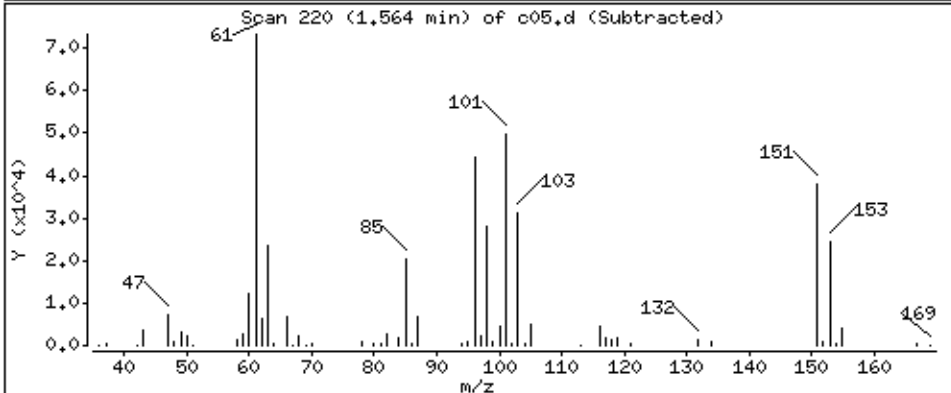
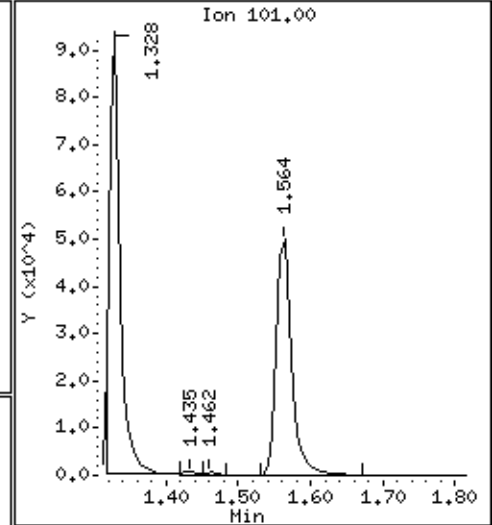
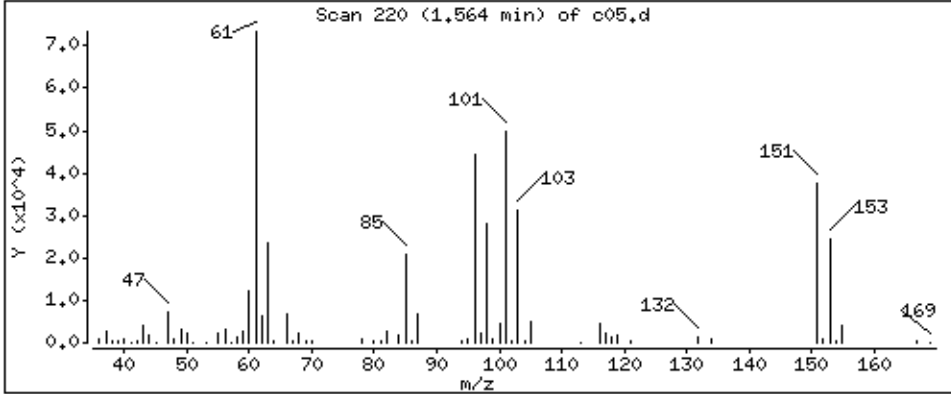
Operator: ala

Column phase: DB-624

Column diameter: 0,18

10 1,1,2trichlorotrifluoroethane

Concentration: 75,7 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

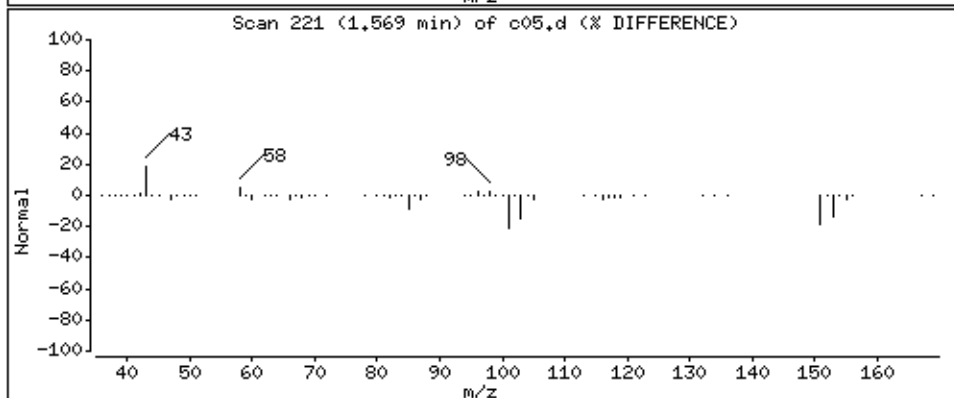
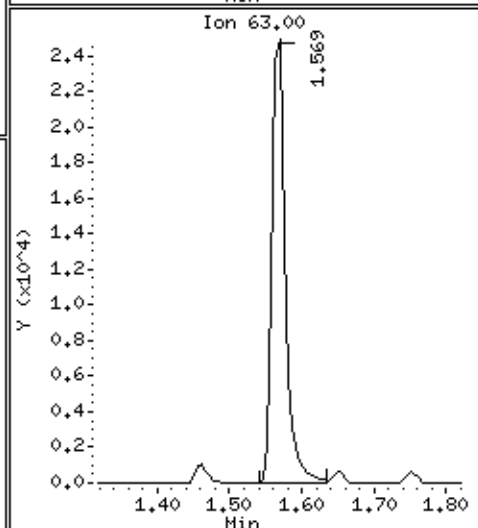
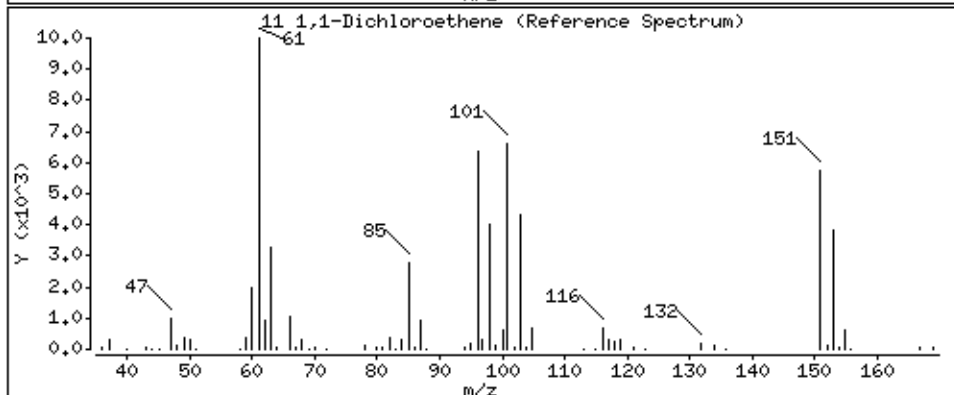
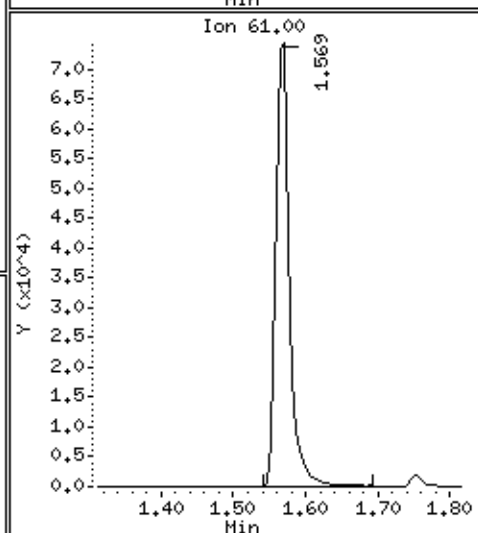
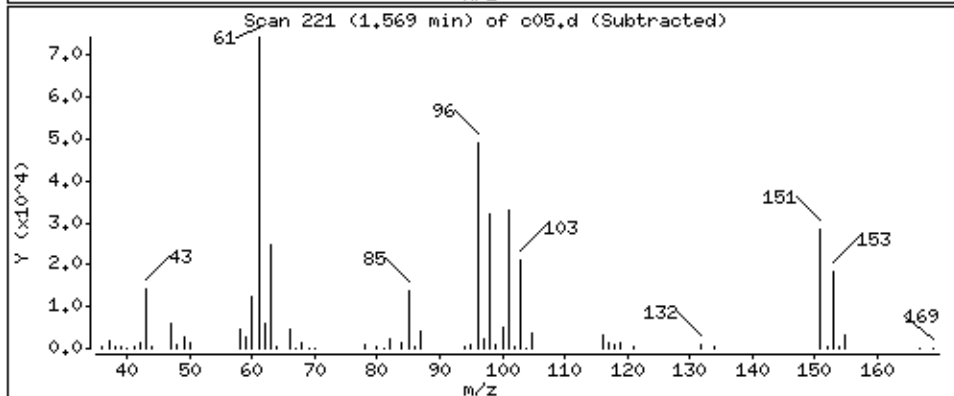
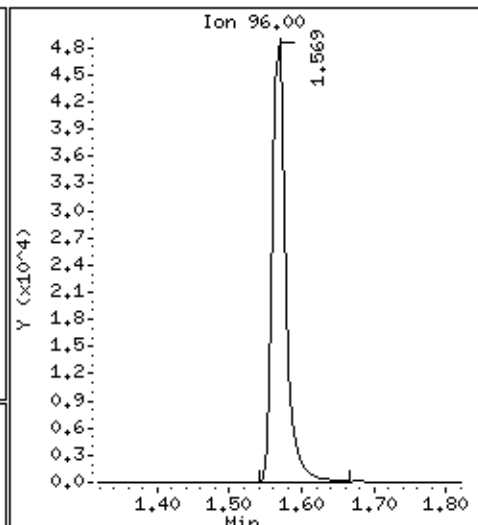
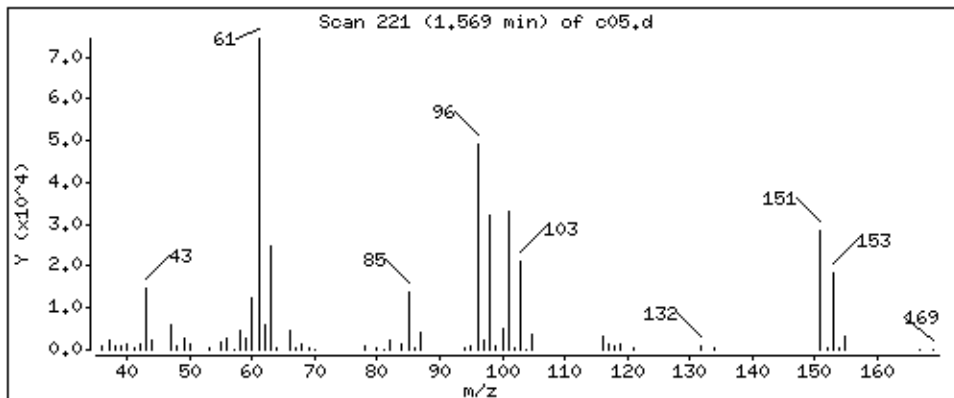
Operator: ala

Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 67,1 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

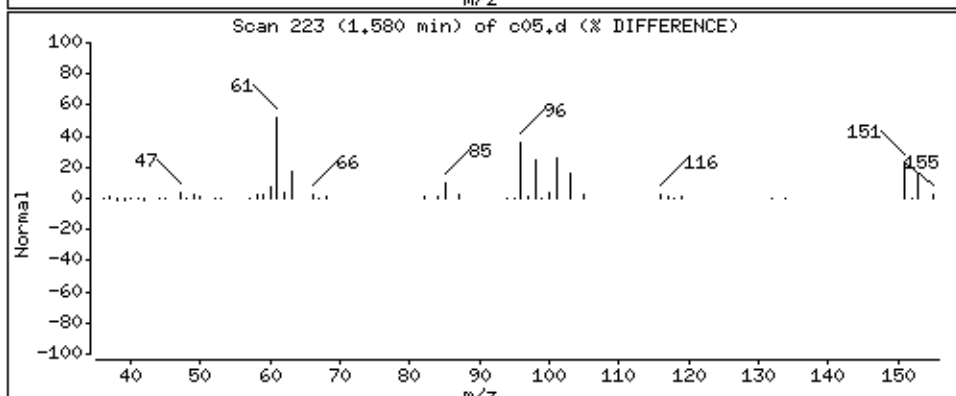
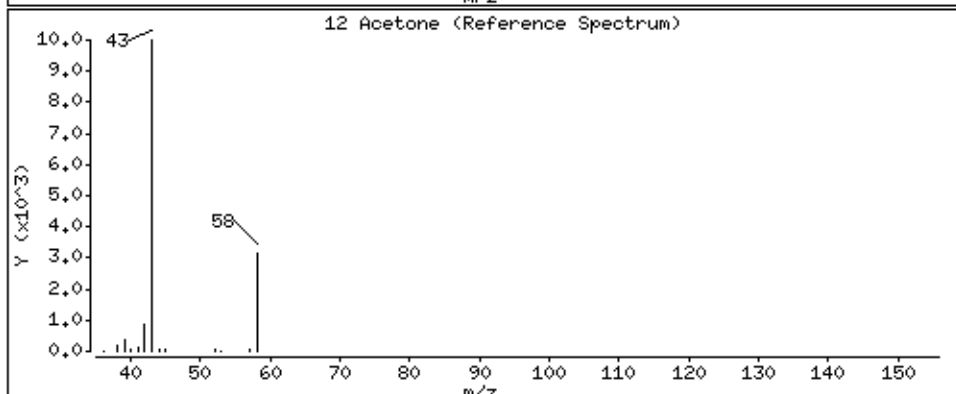
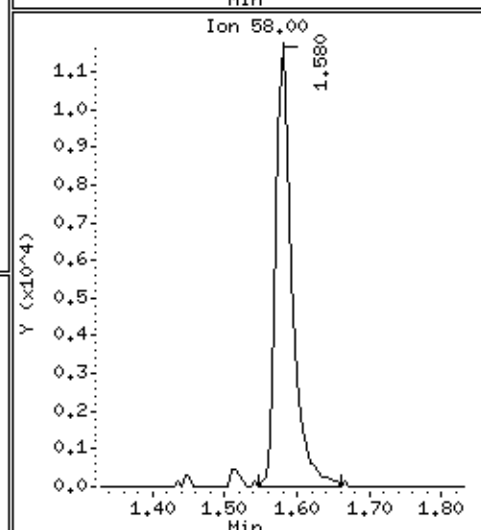
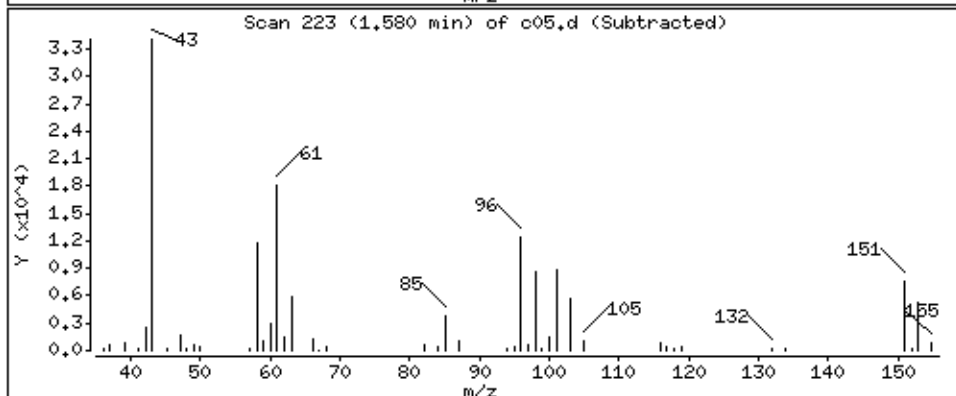
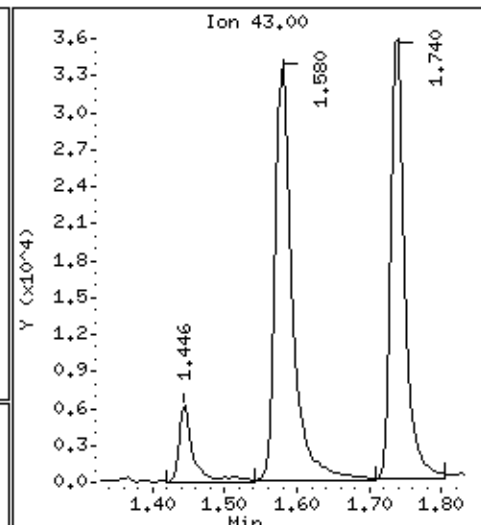
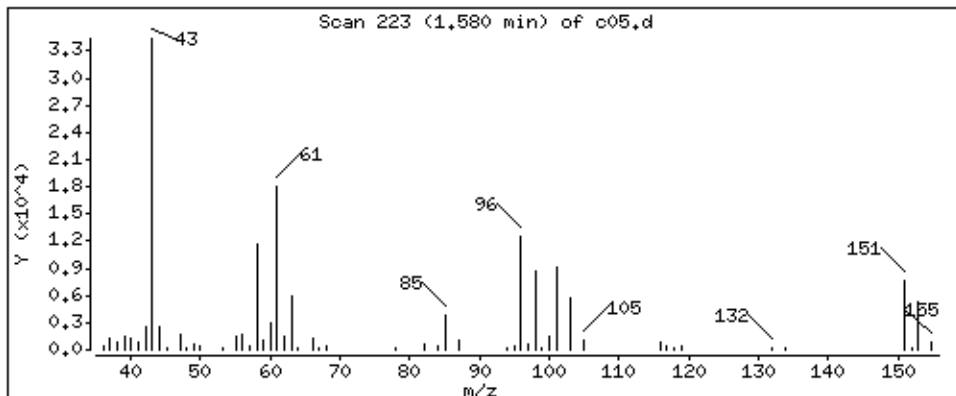
Operator: ala

Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 241 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

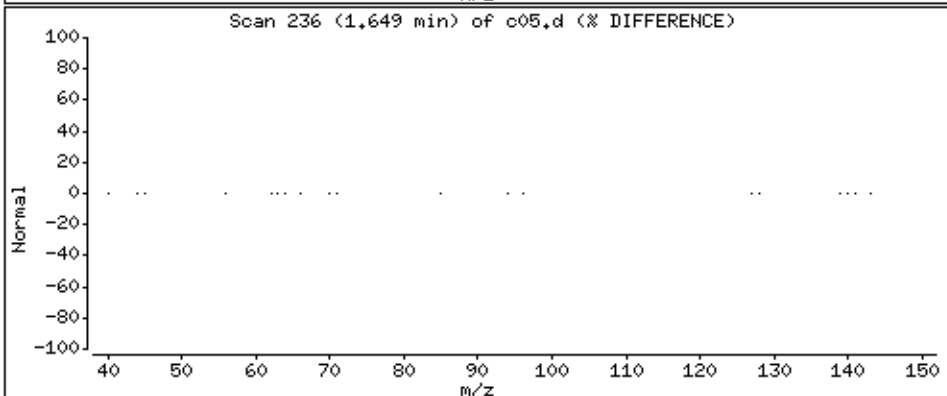
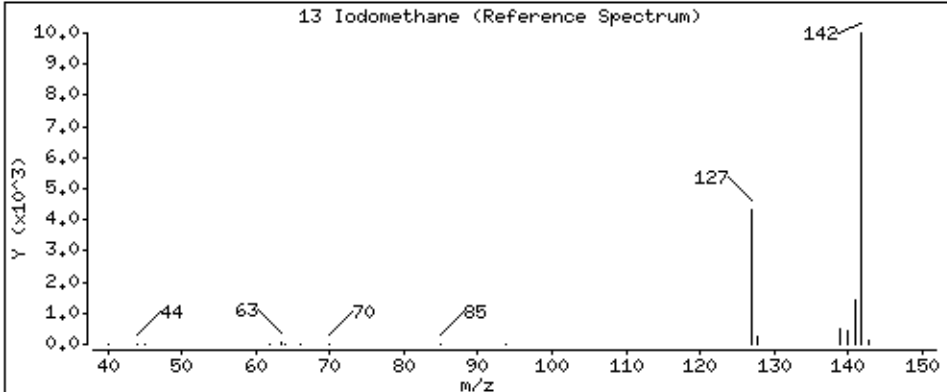
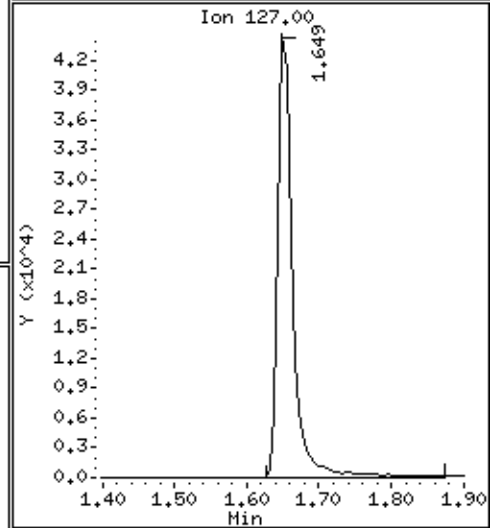
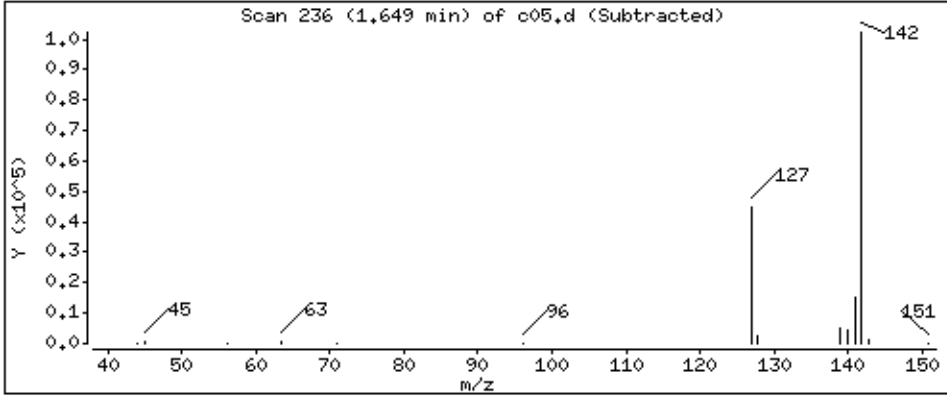
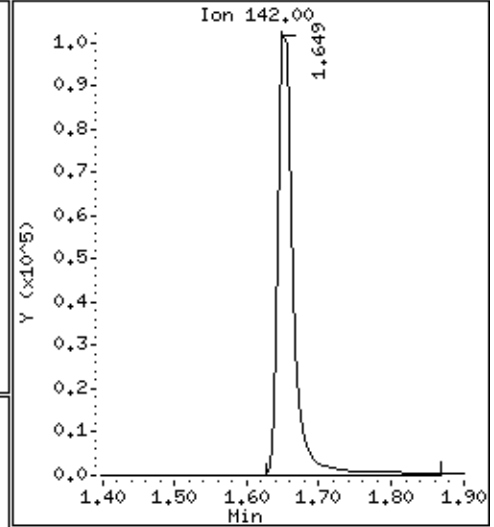
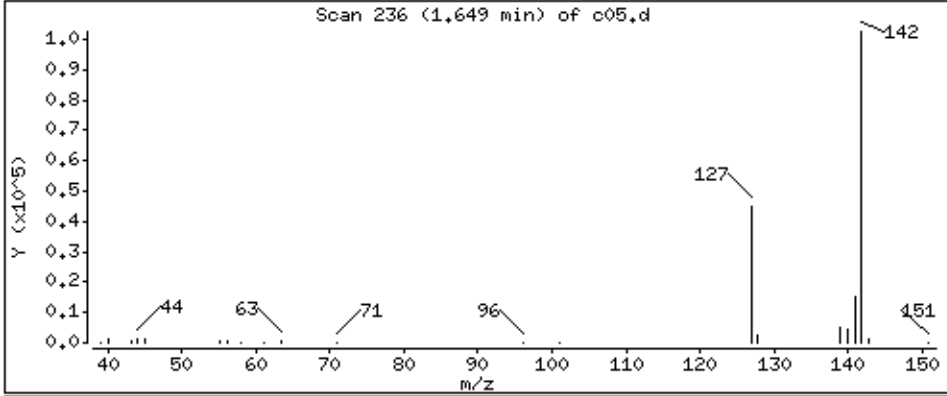
Operator: ala

Column phase: DB-624

Column diameter: 0,18

13 Iodomethane

Concentration: 136 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

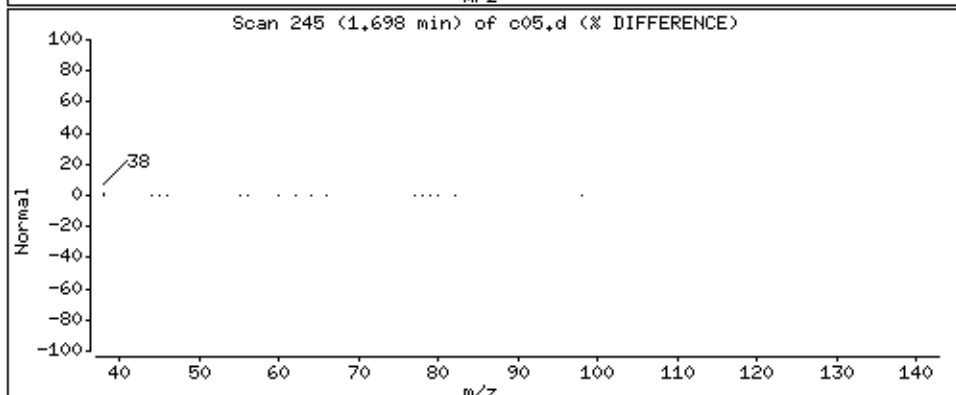
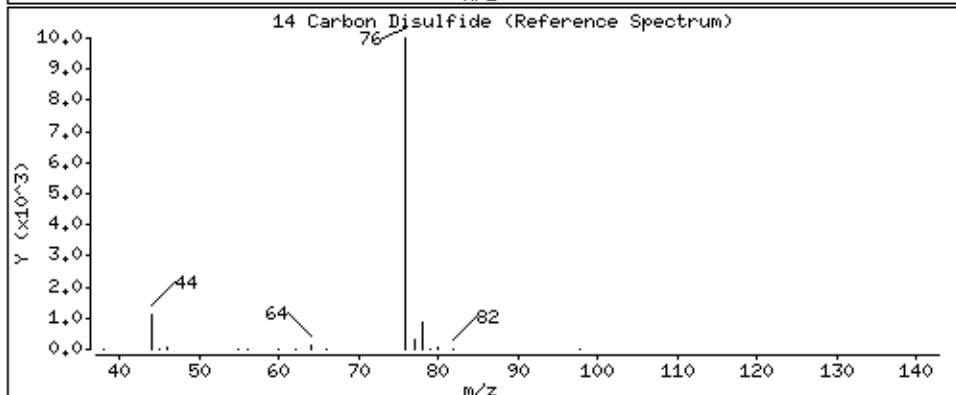
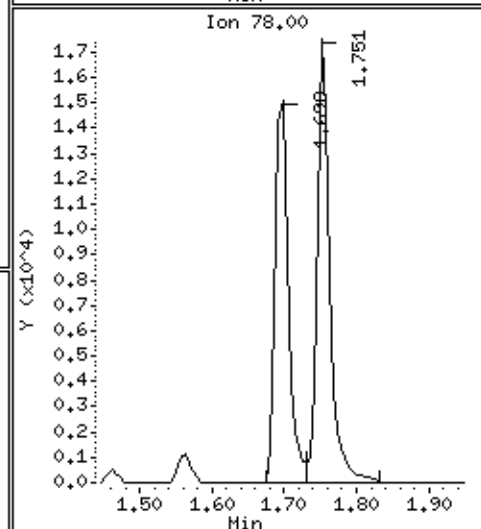
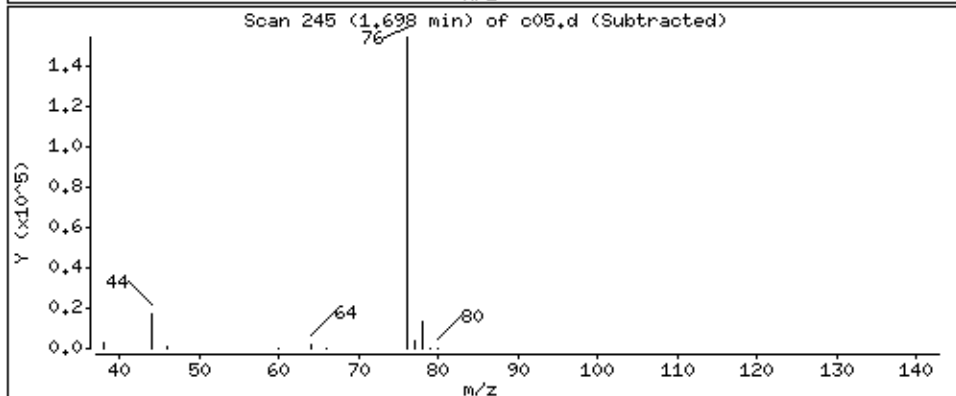
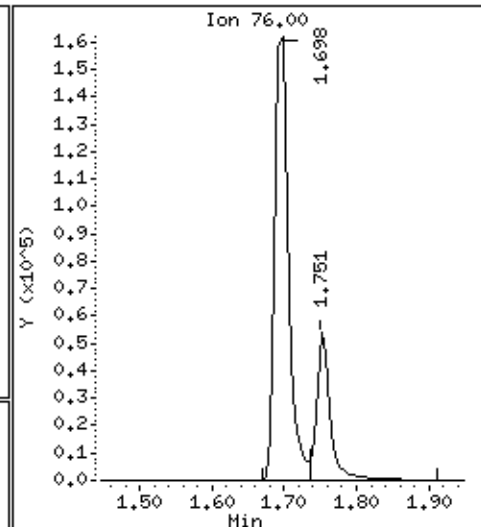
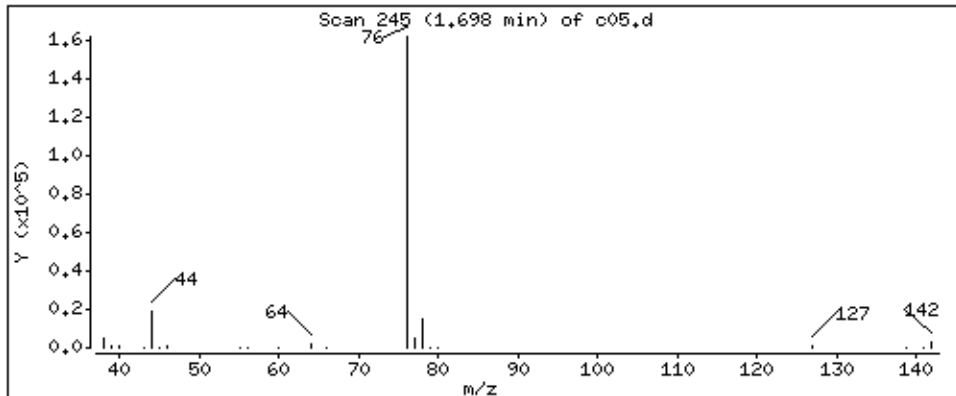
Operator: ala

Column phase: DB-624

Column diameter: 0,18

14 Carbon Disulfide

Concentration: 62.0 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

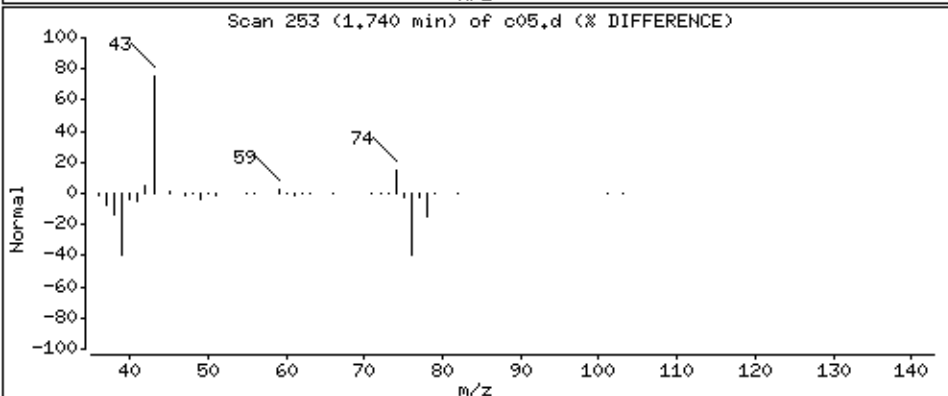
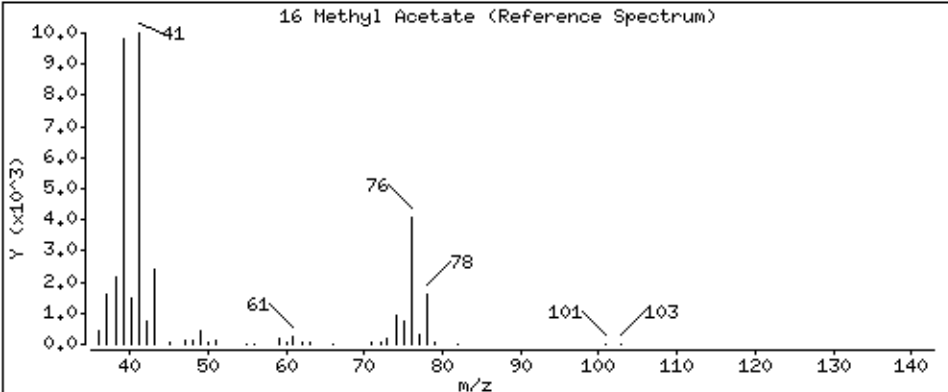
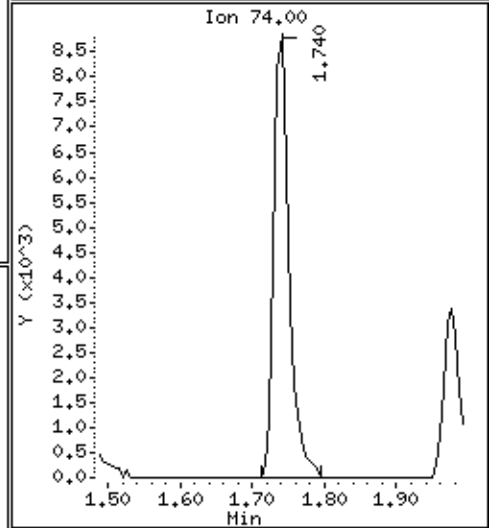
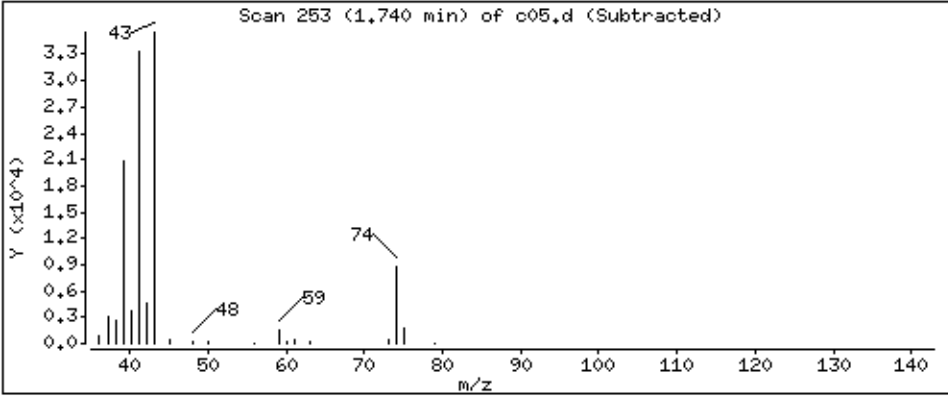
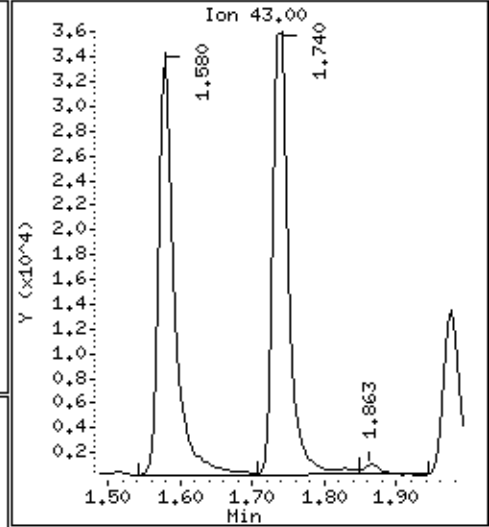
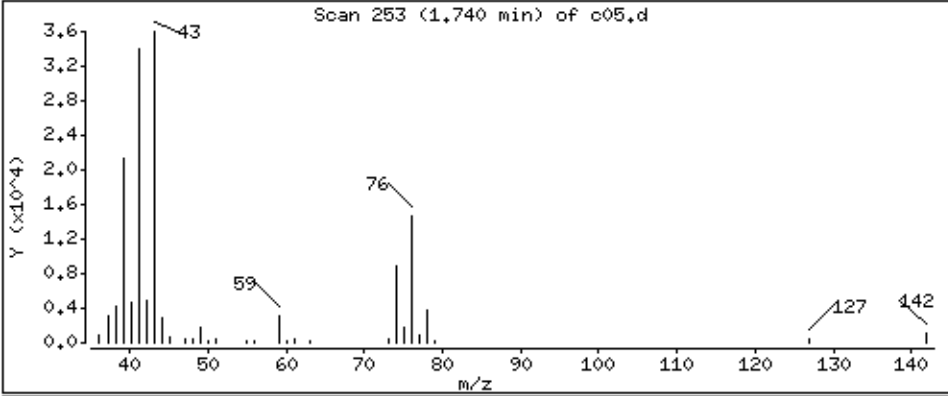
Operator: ala

Column phase: DB-624

Column diameter: 0,18

16 Methyl Acetate

Concentration: 92,5 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

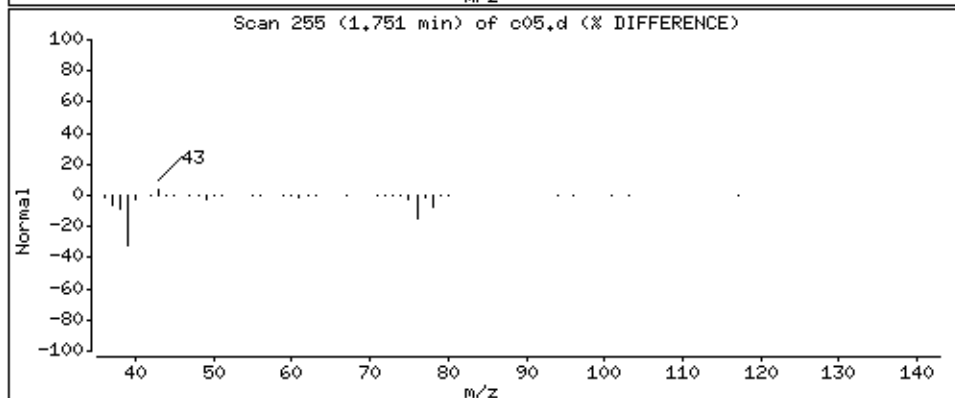
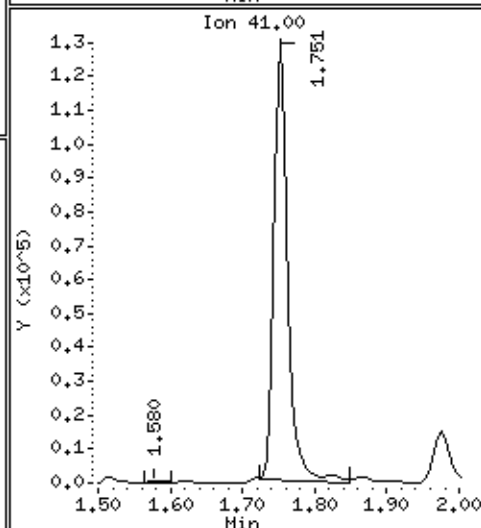
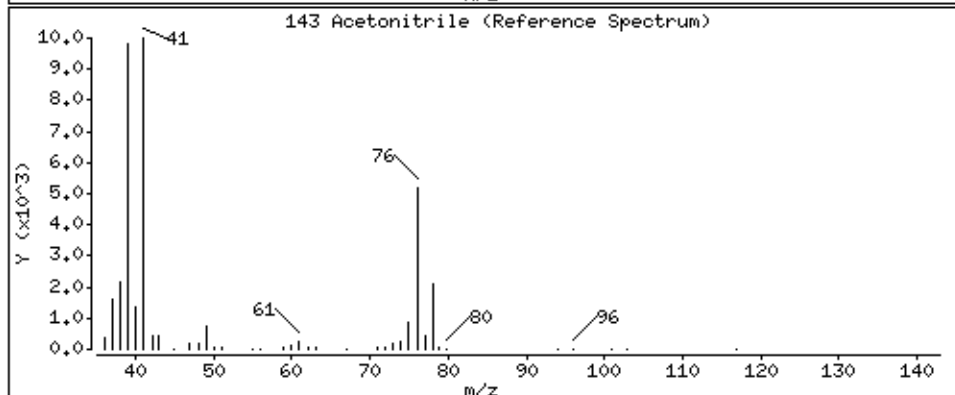
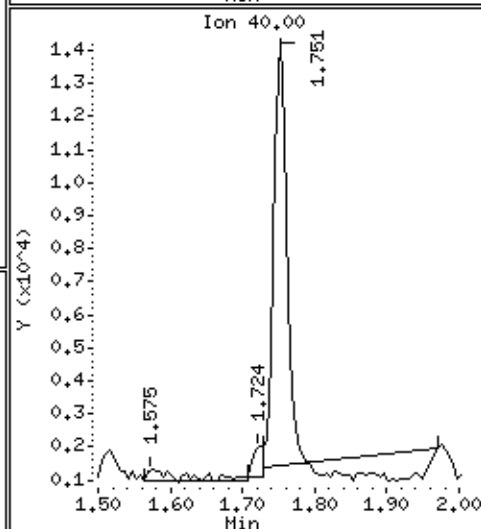
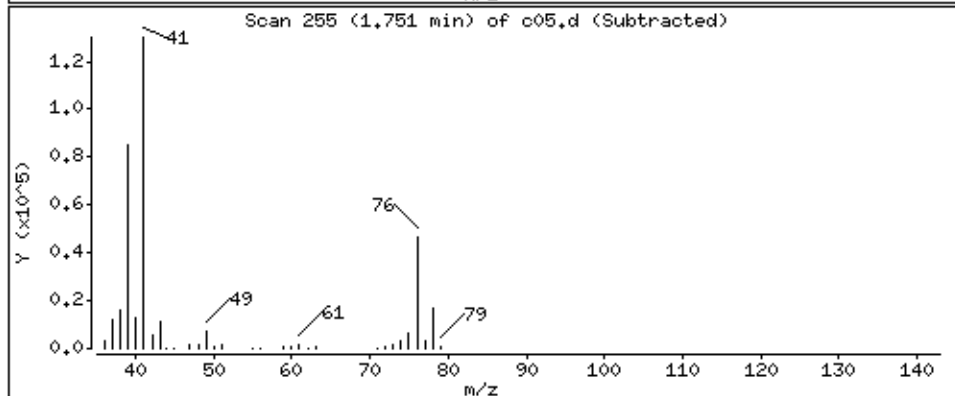
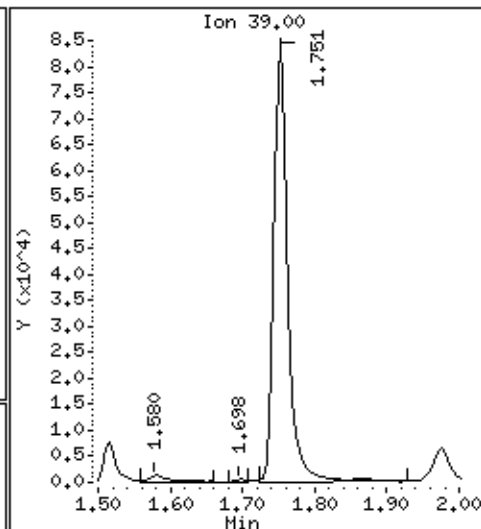
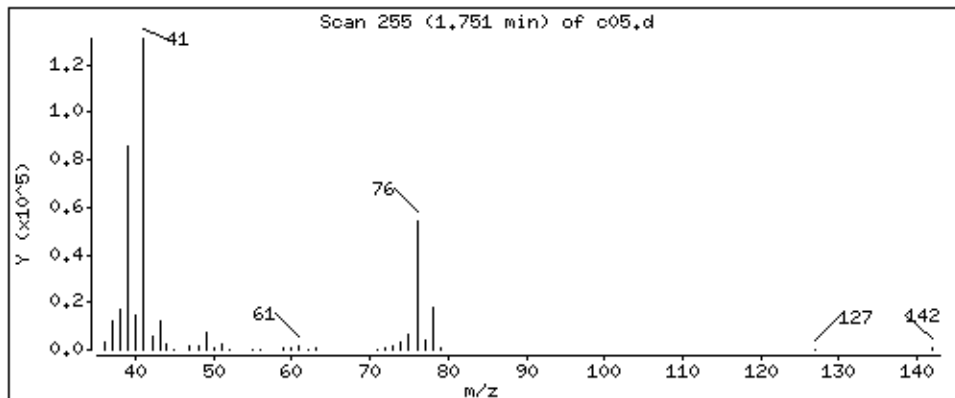
Operator: ala

Column phase: DB-624

Column diameter: 0,18

143 Acetonitrile

Concentration: 57,7 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

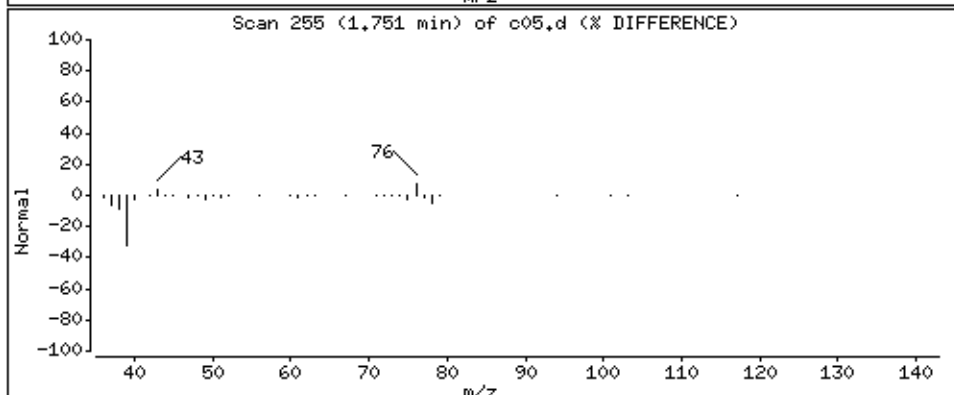
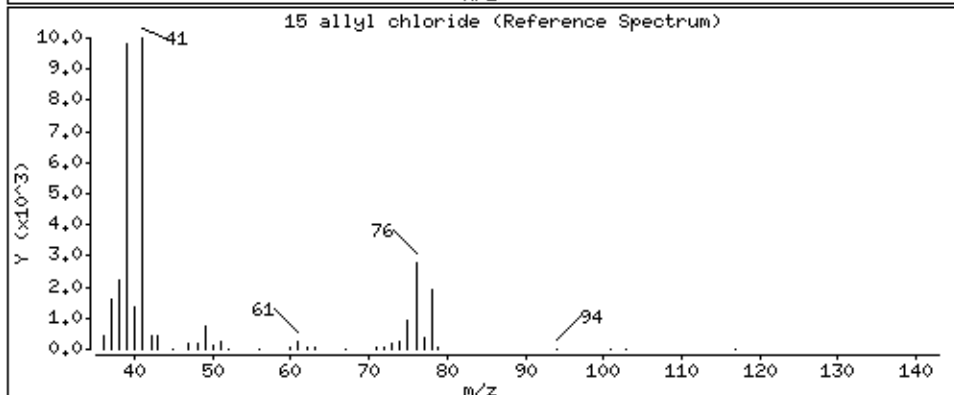
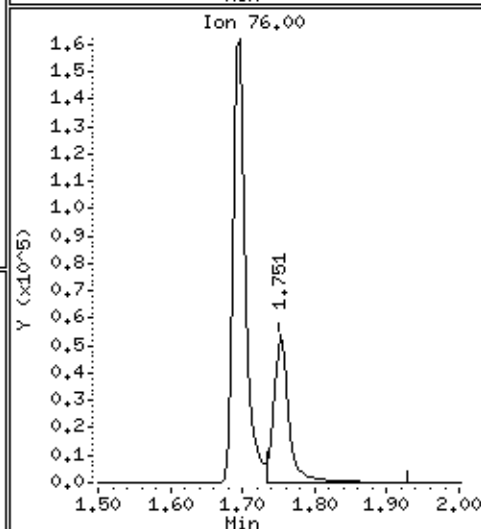
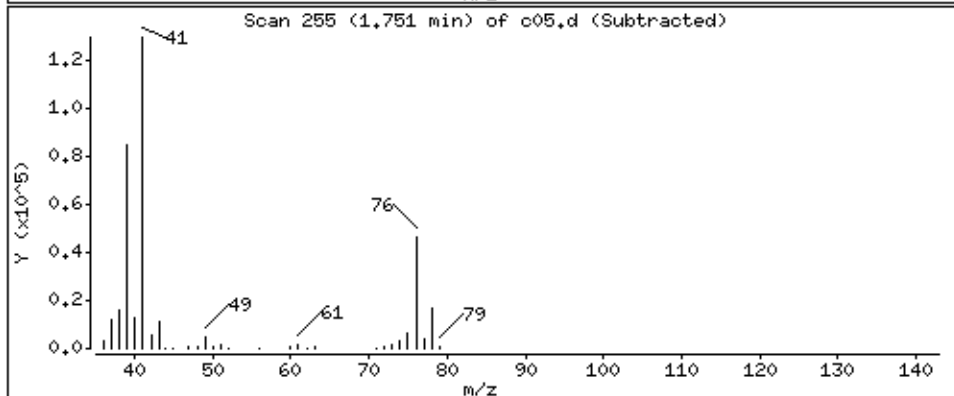
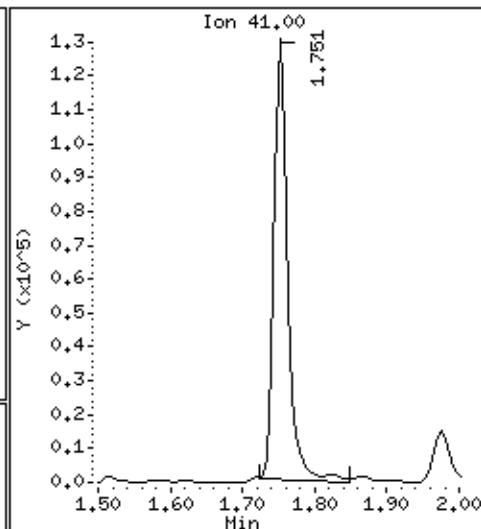
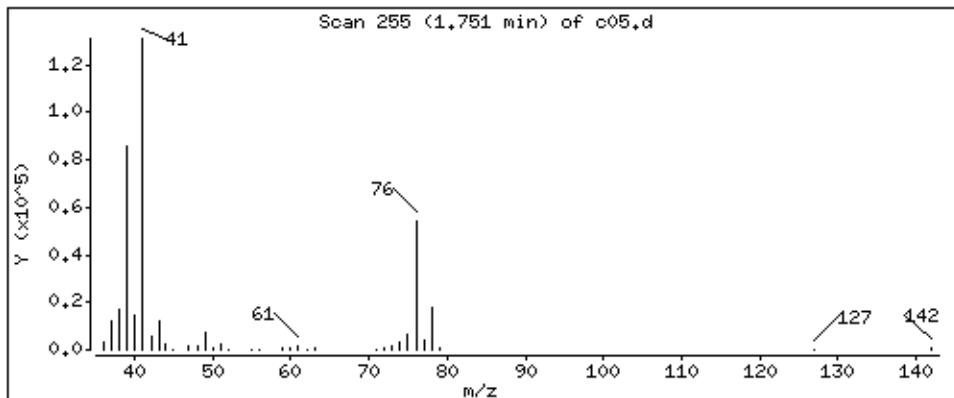
Operator: ala

Column phase: DB-624

Column diameter: 0,18

15 allyl chloride

Concentration: 120 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

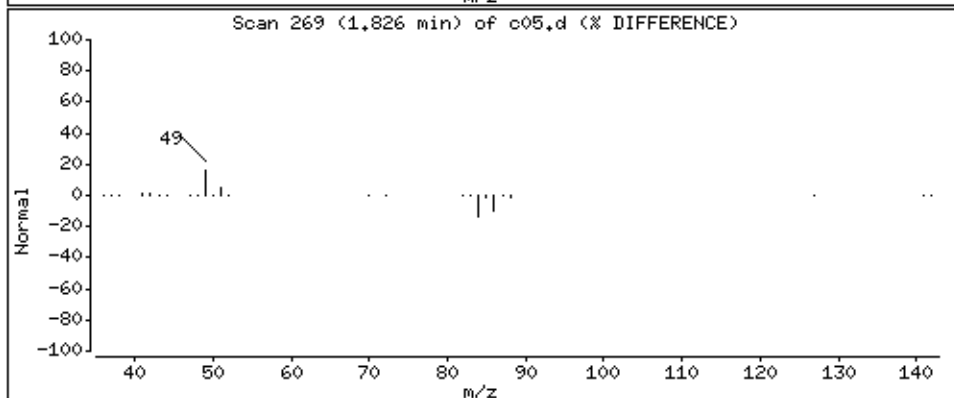
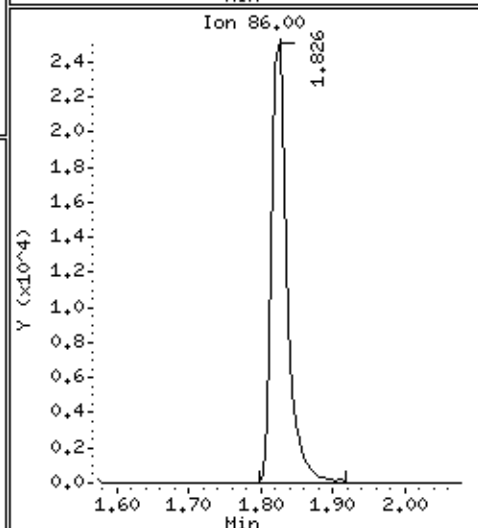
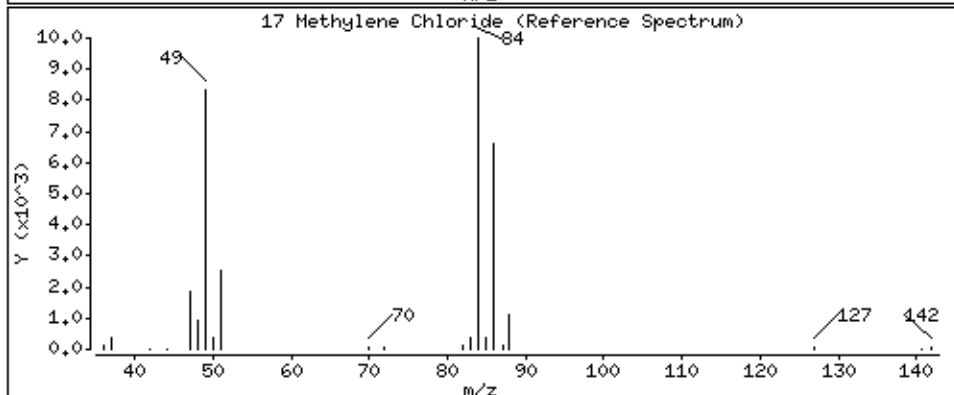
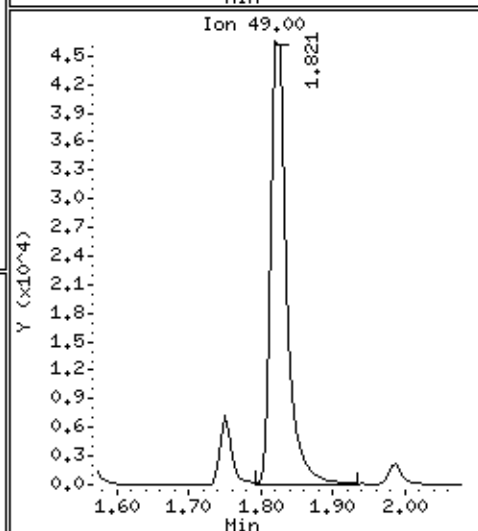
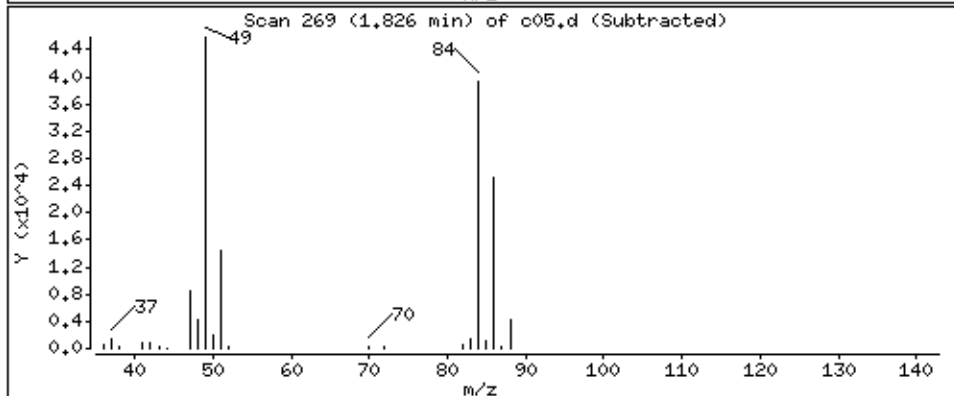
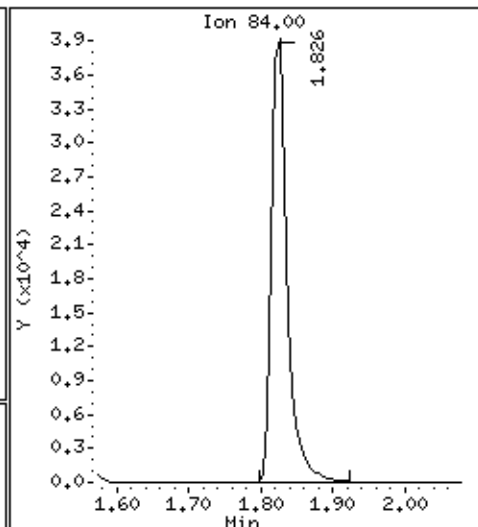
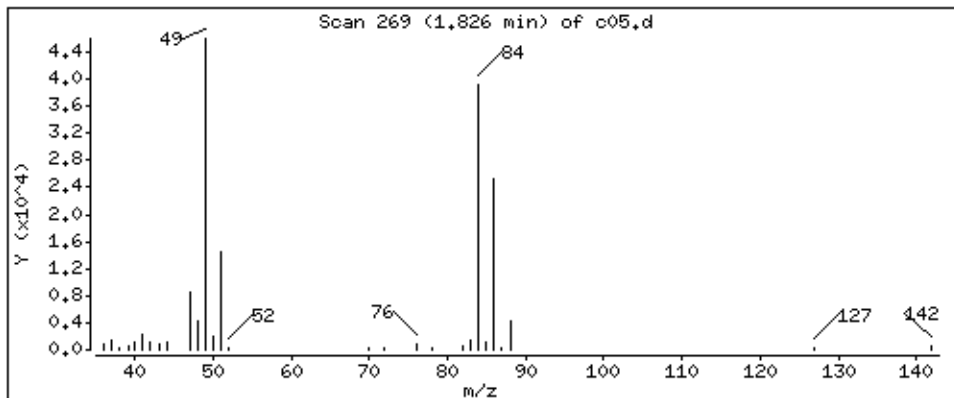
Operator: ala

Column phase: DB-624

Column diameter: 0,18

17 Methylene Chloride

Concentration: 61.9 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

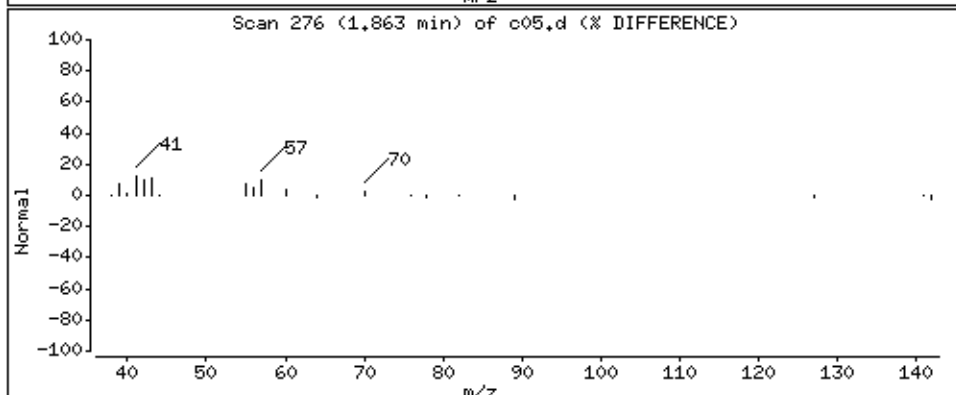
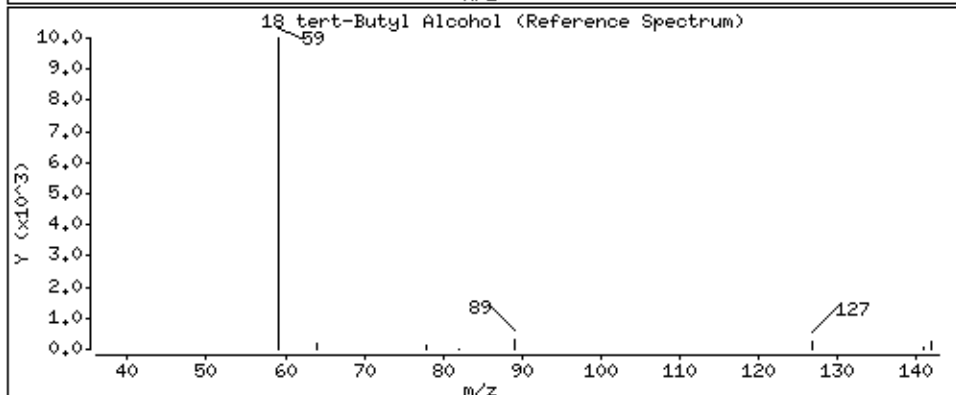
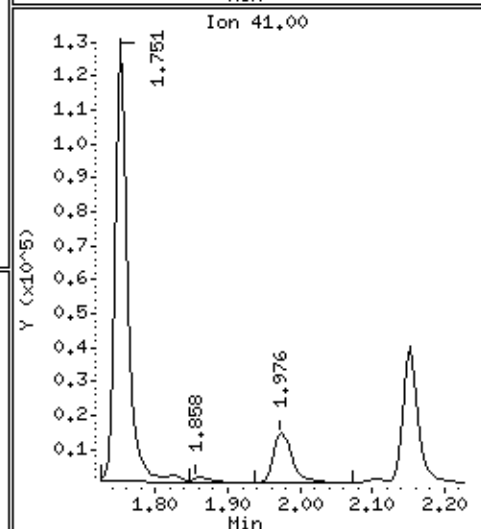
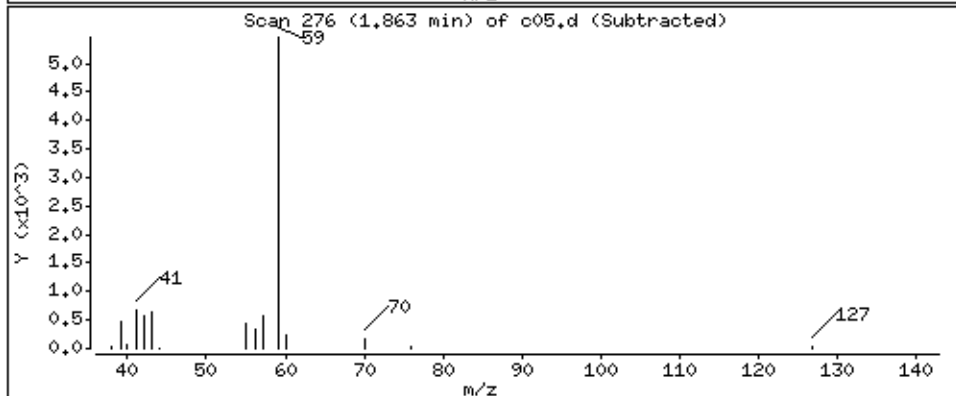
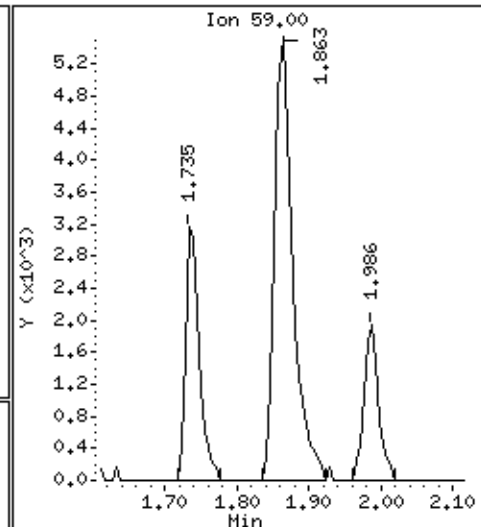
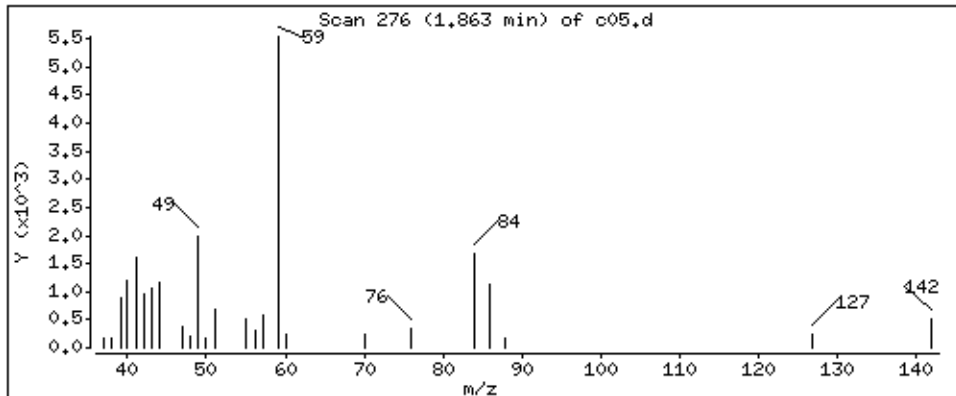
Operator: ala

Column phase: DB-624

Column diameter: 0,18

18 tert-Butyl Alcohol

Concentration: 89,3 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

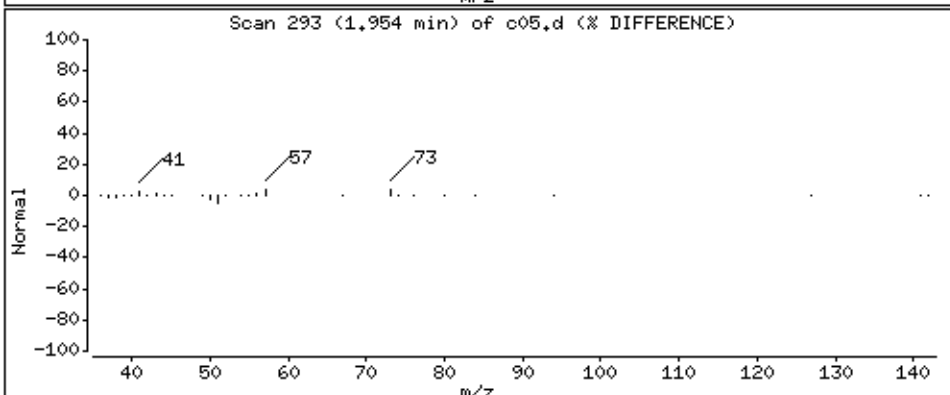
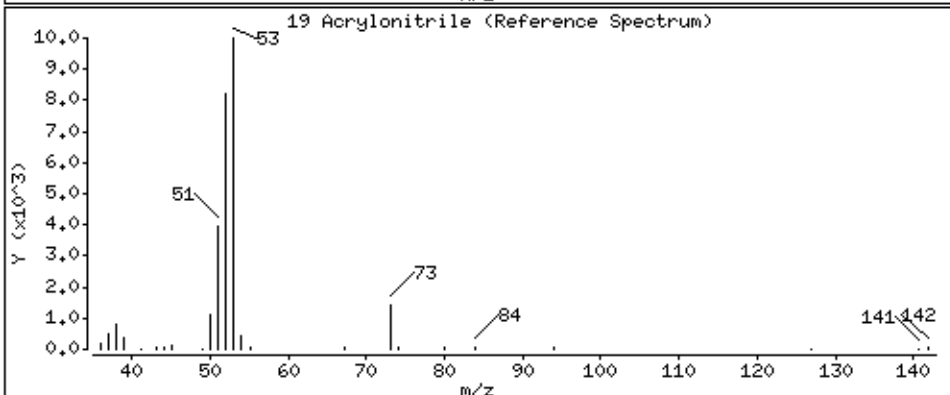
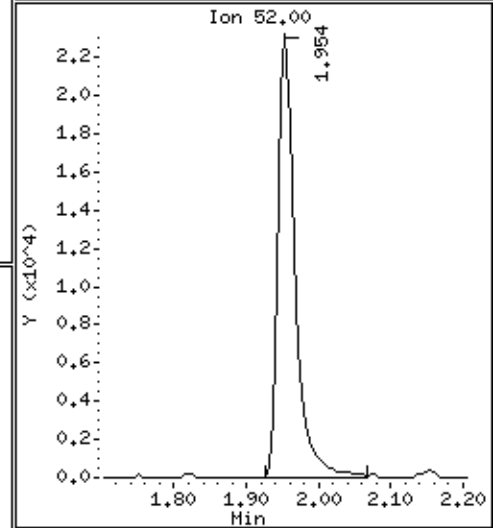
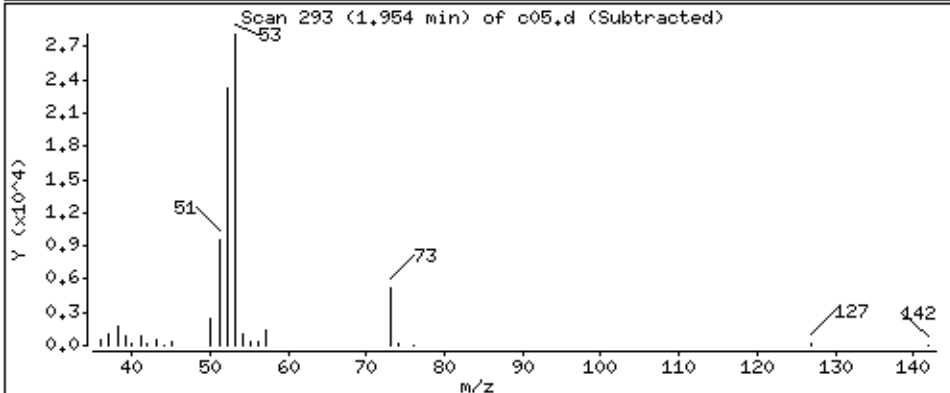
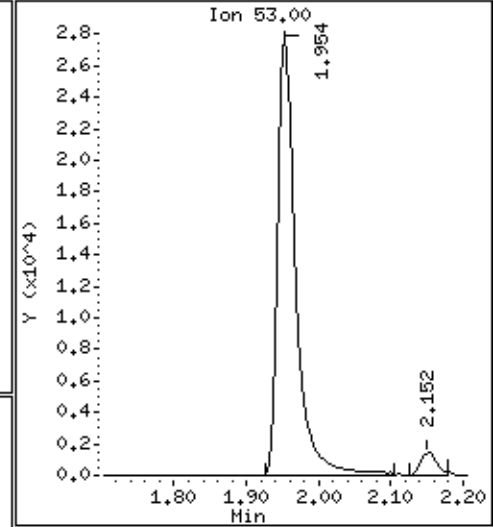
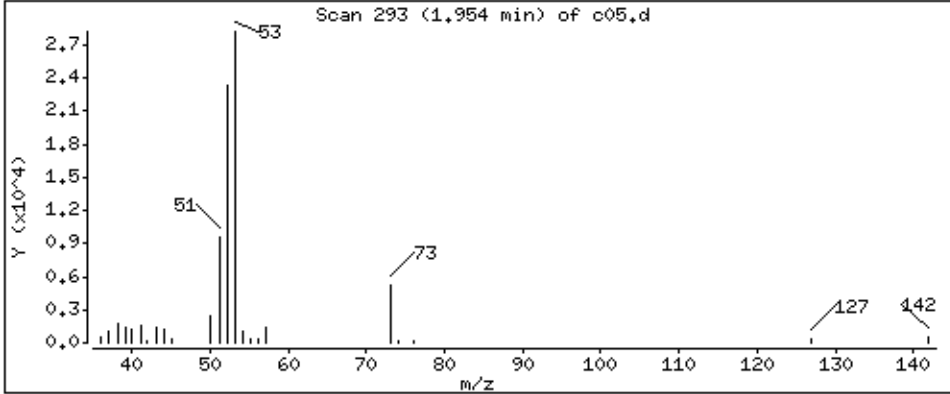
Operator: ala

Column phase: DB-624

Column diameter: 0,18

19 Acrylonitrile

Concentration: 183 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

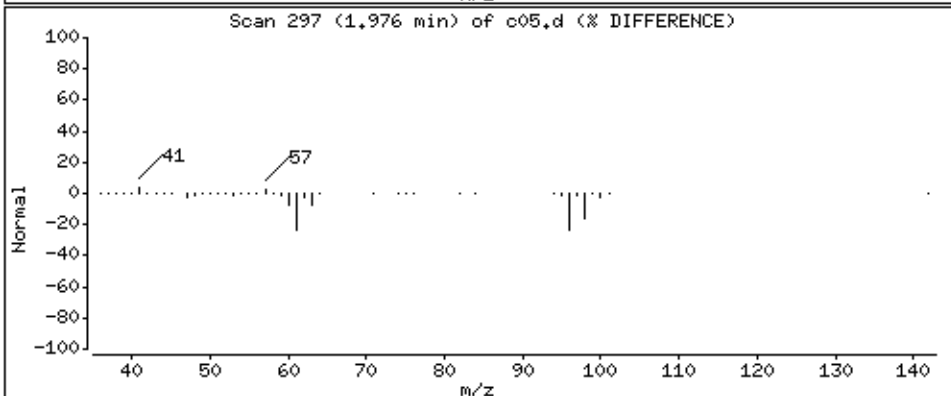
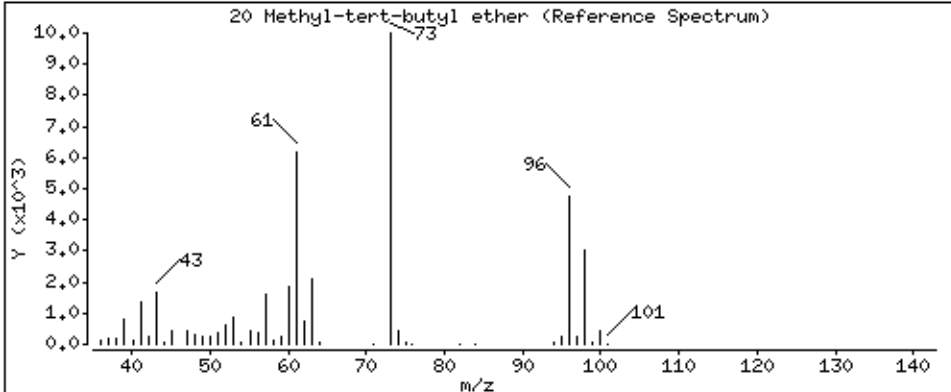
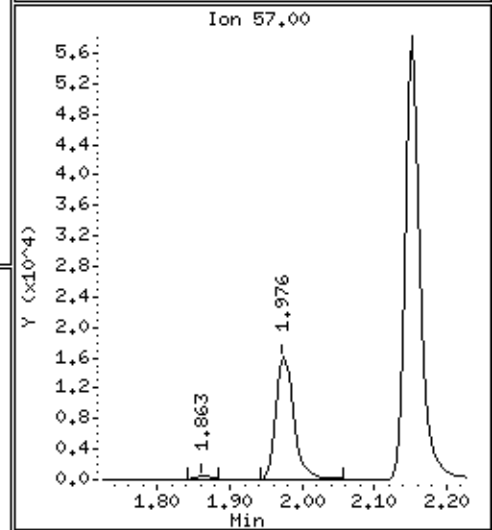
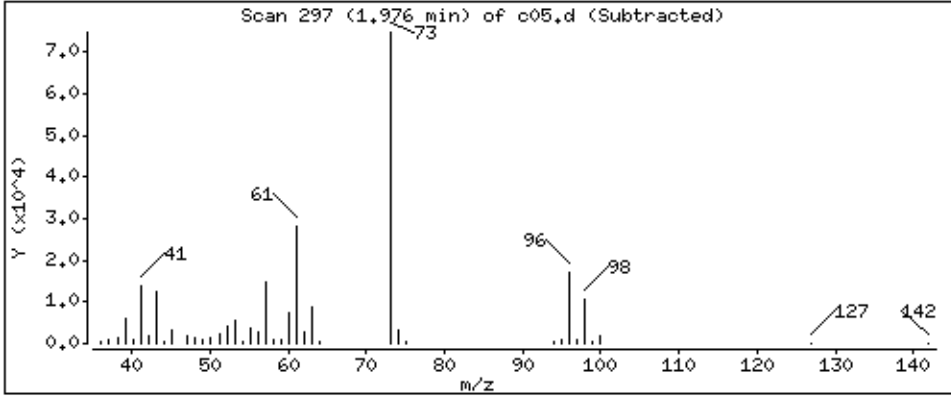
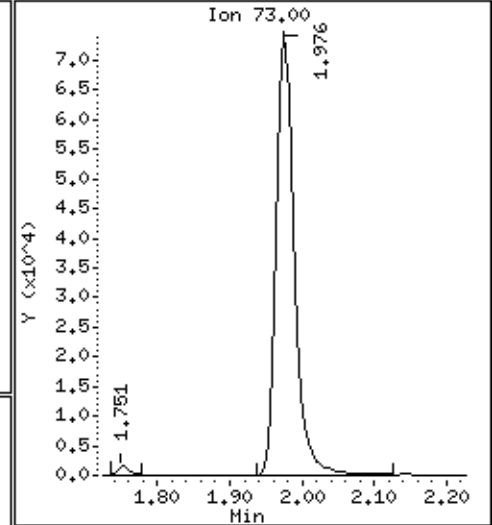
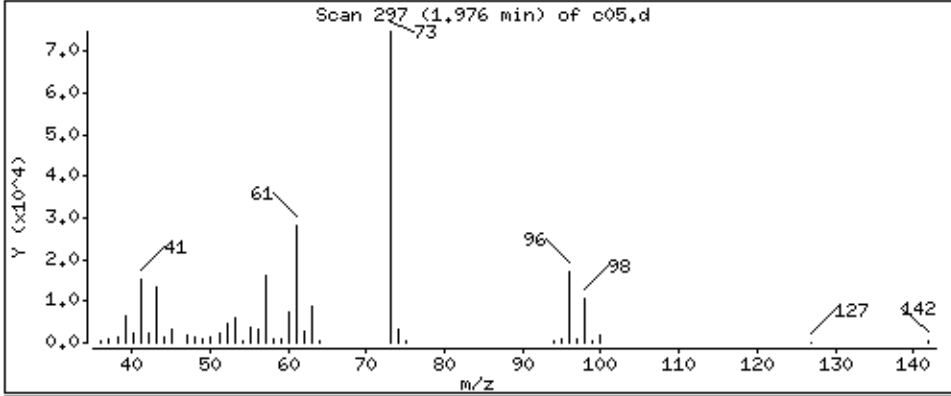
Operator: ala

Column phase: DB-624

Column diameter: 0,18

20 Methyl-tert-butyl ether

Concentration: 65,7 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

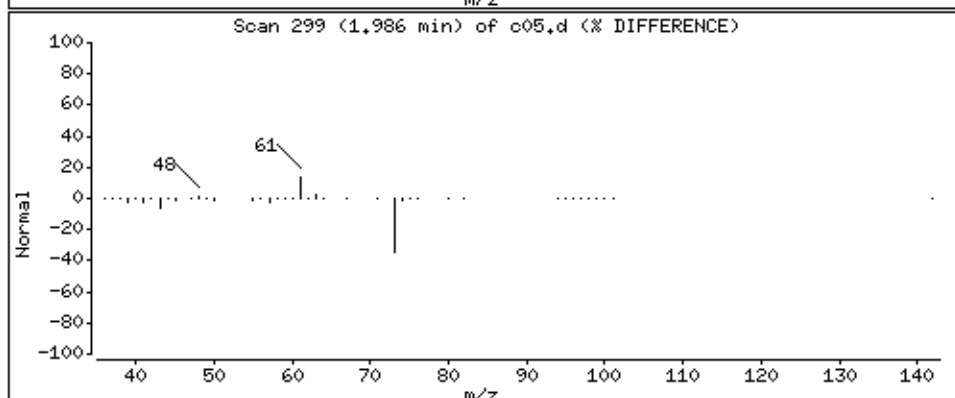
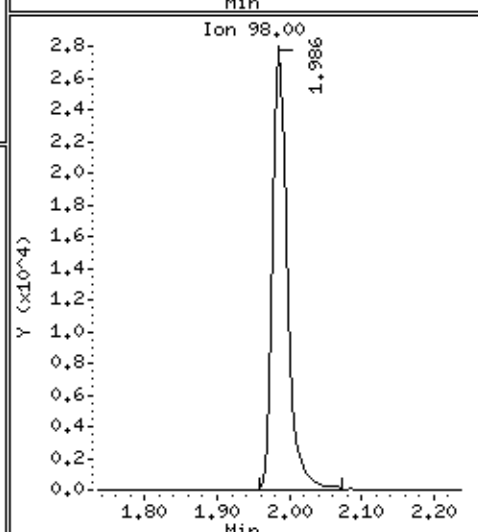
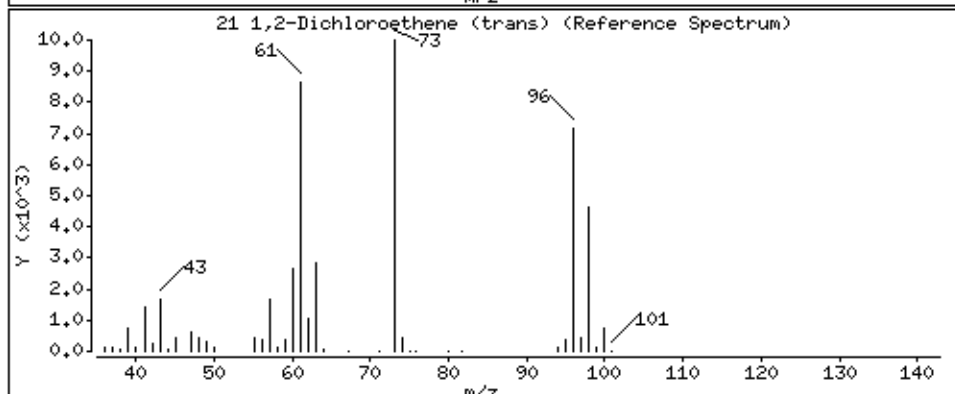
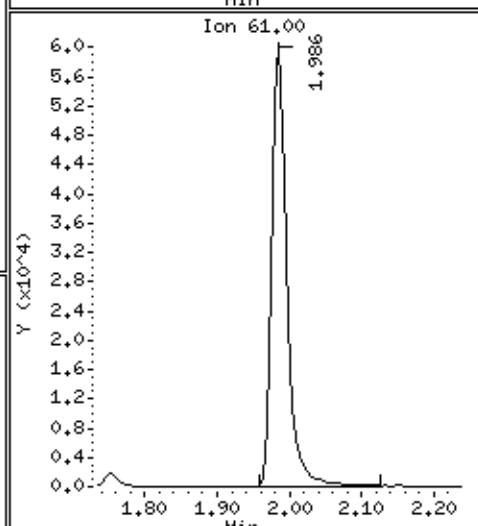
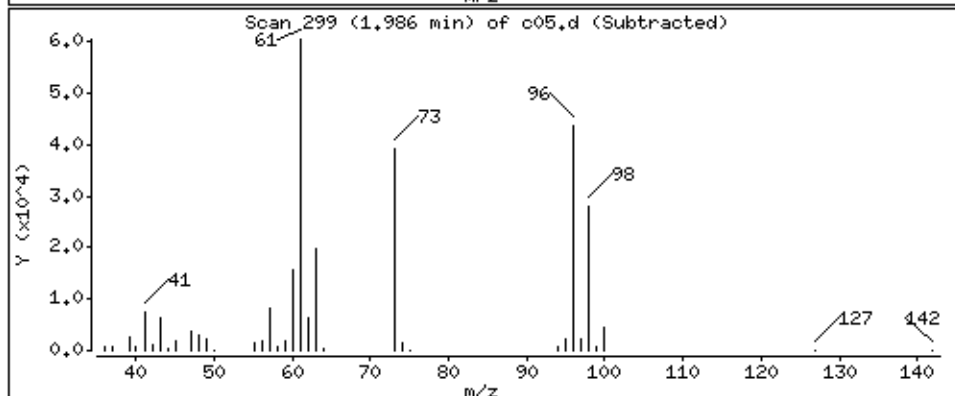
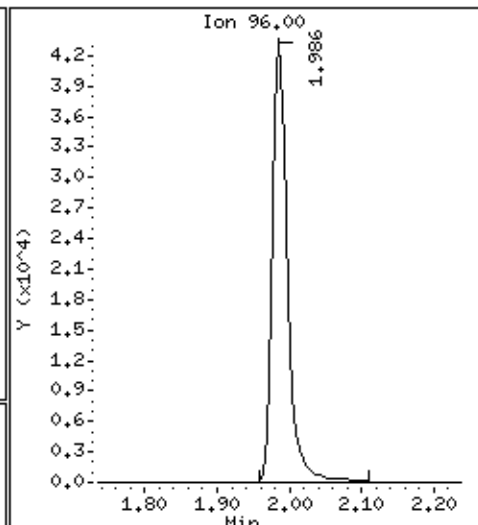
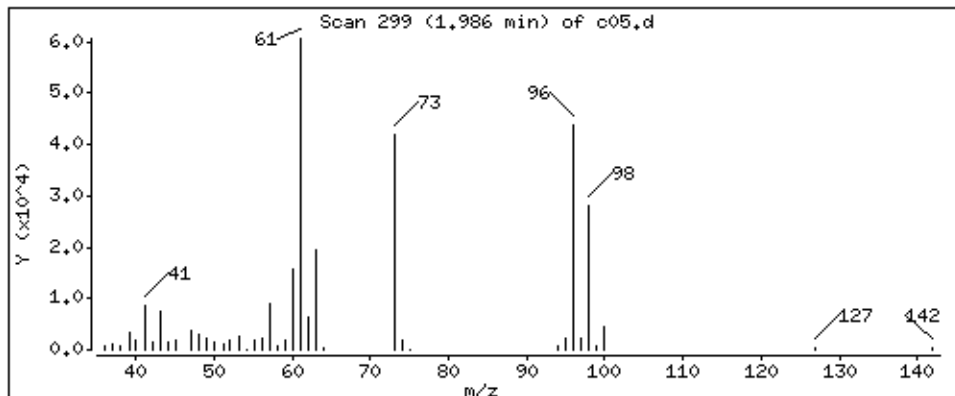
Operator: ala

Column phase: DB-624

Column diameter: 0,18

21 1,2-Dichloroethene (trans)

Concentration: 65,2 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

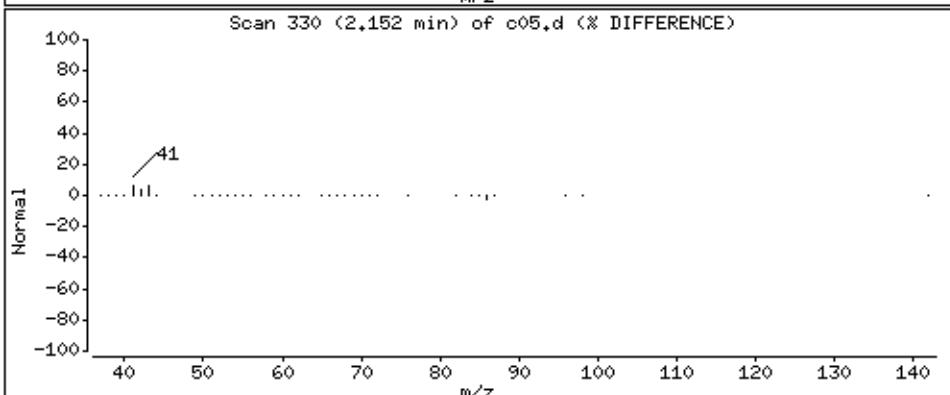
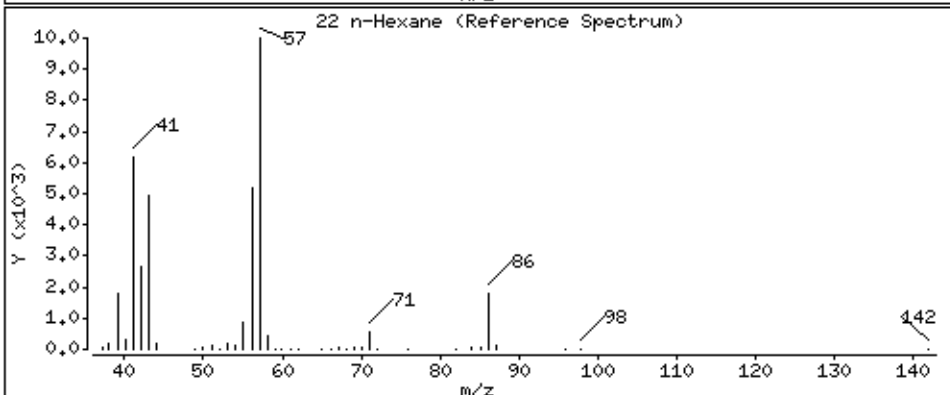
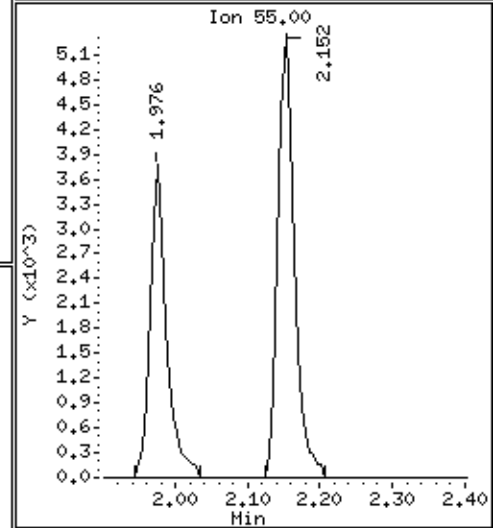
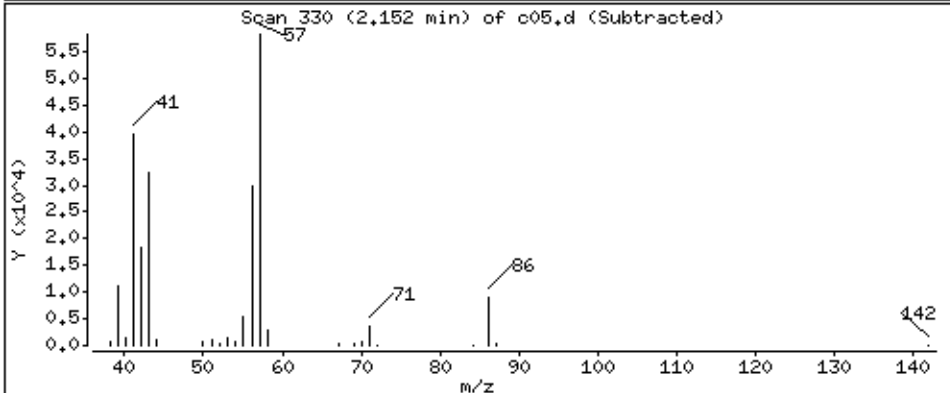
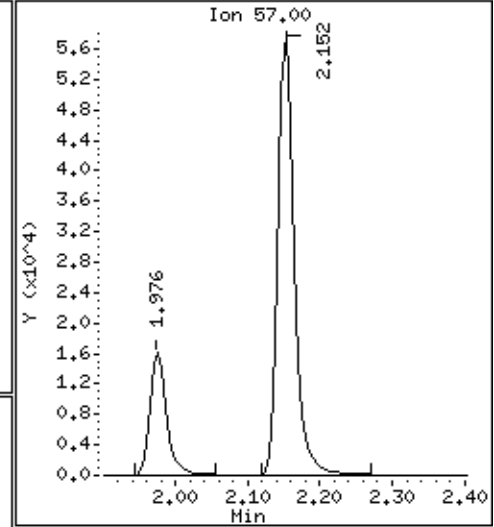
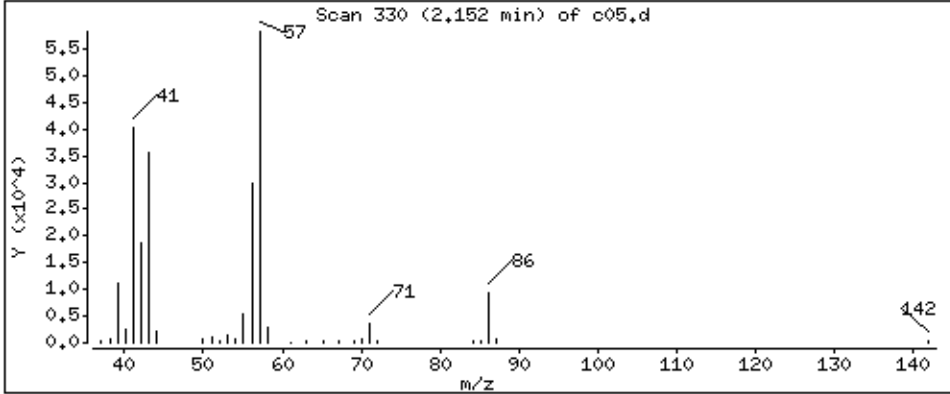
Operator: ala

Column phase: DB-624

Column diameter: 0,18

22 n-Hexane

Concentration: 67,7 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

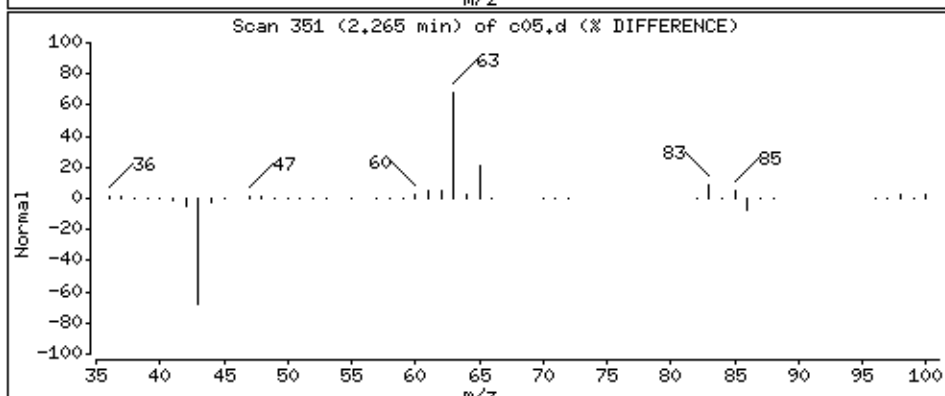
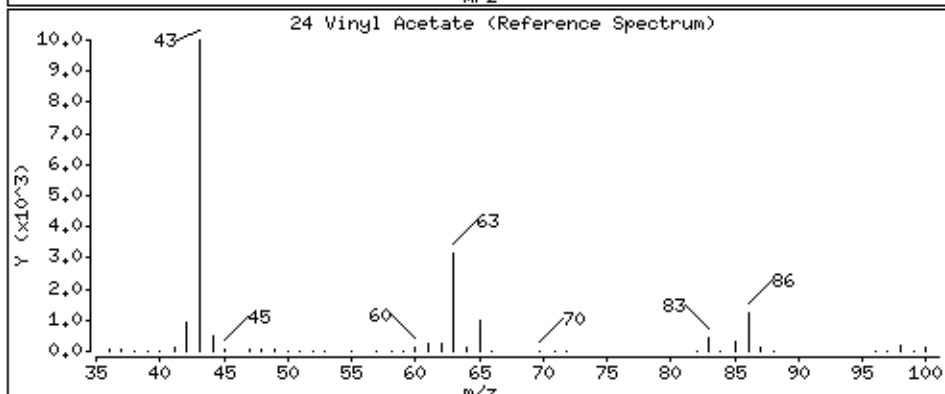
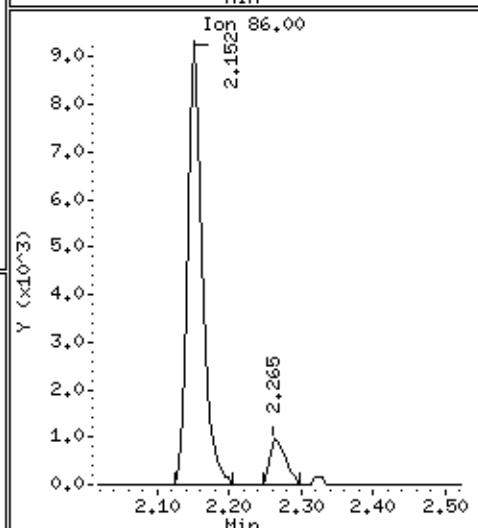
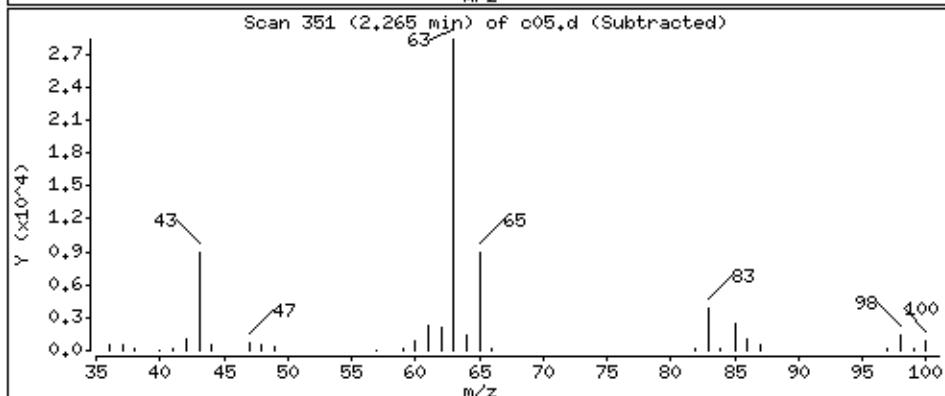
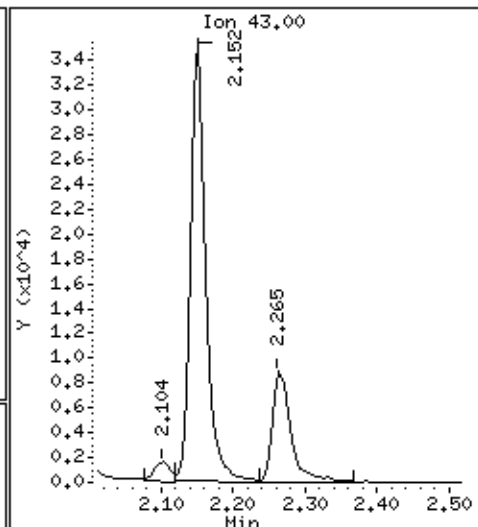
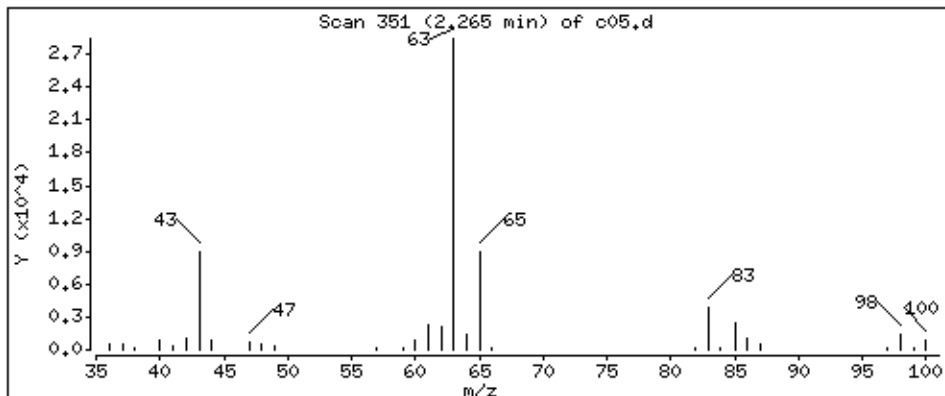
Operator: ala

Column phase: DB-624

Column diameter: 0,18

24 Vinyl Acetate

Concentration: 13,3 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

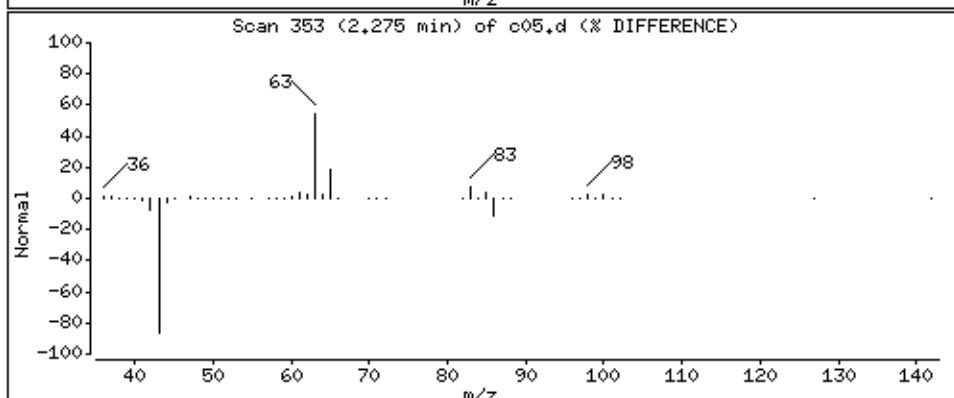
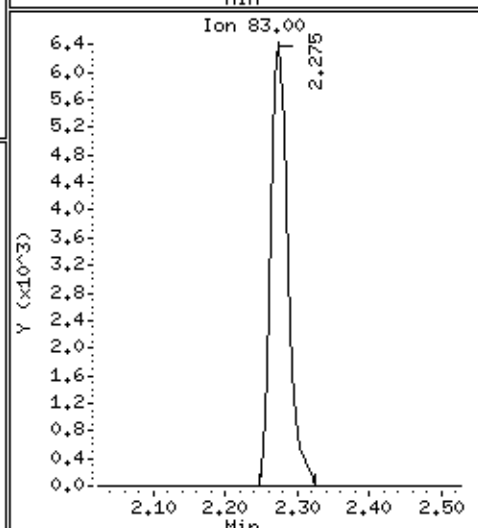
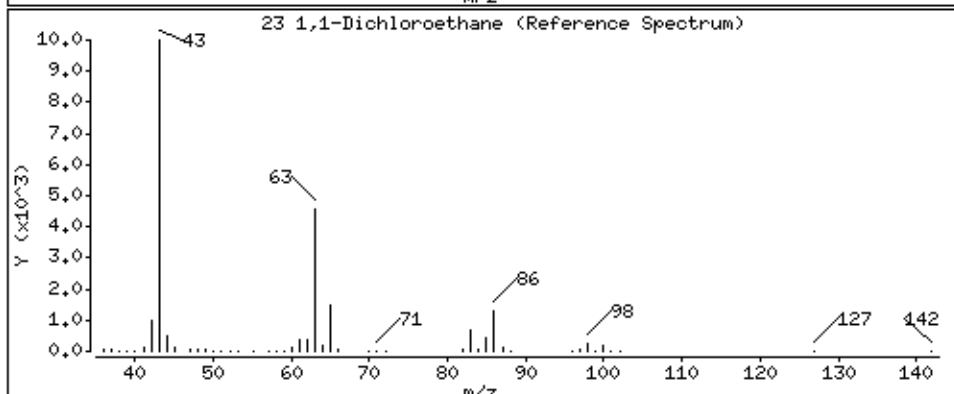
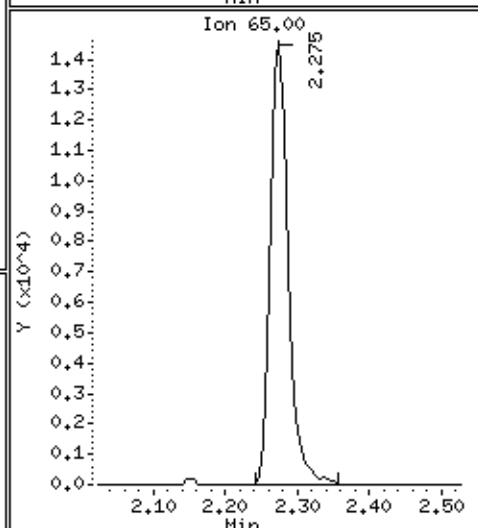
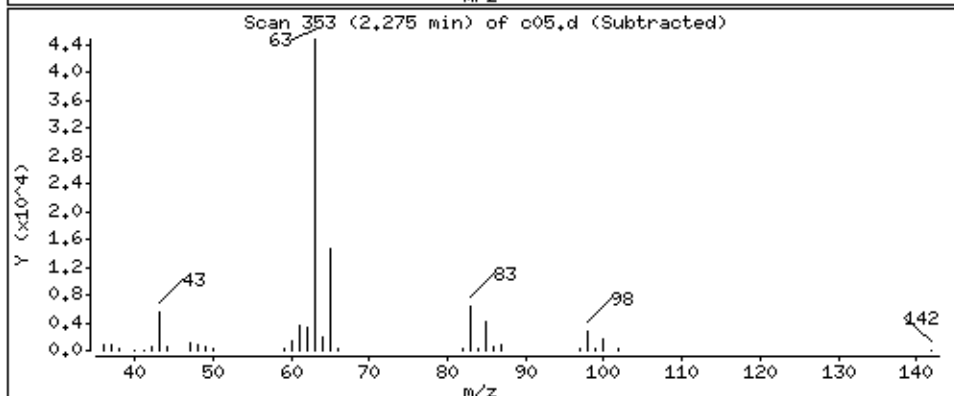
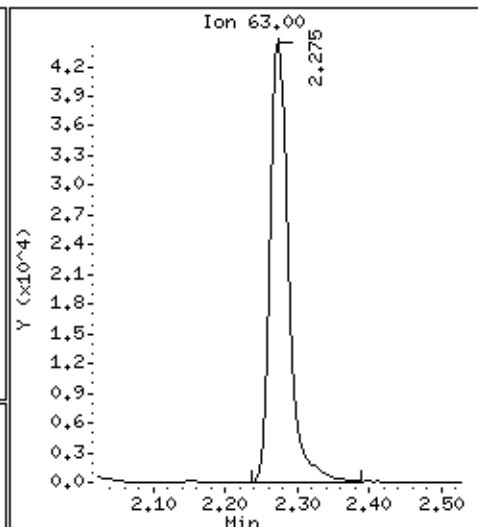
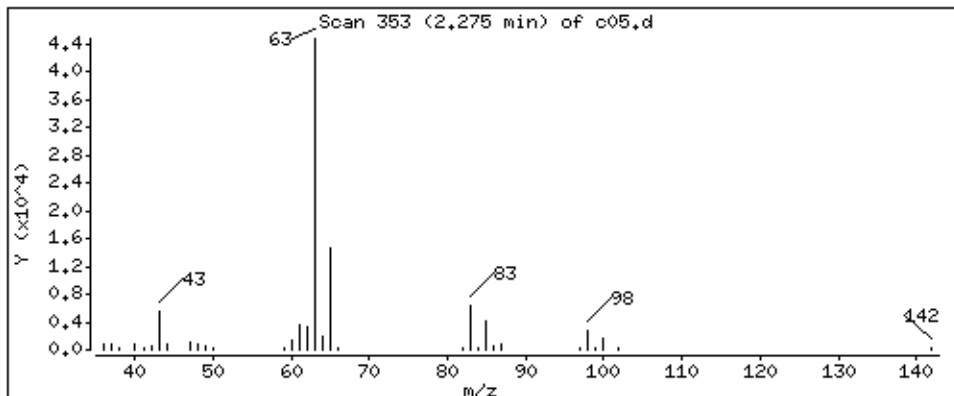
Operator: ala

Column phase: DB-624

Column diameter: 0,18

23 1,1-Dichloroethane

Concentration: 56,2 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

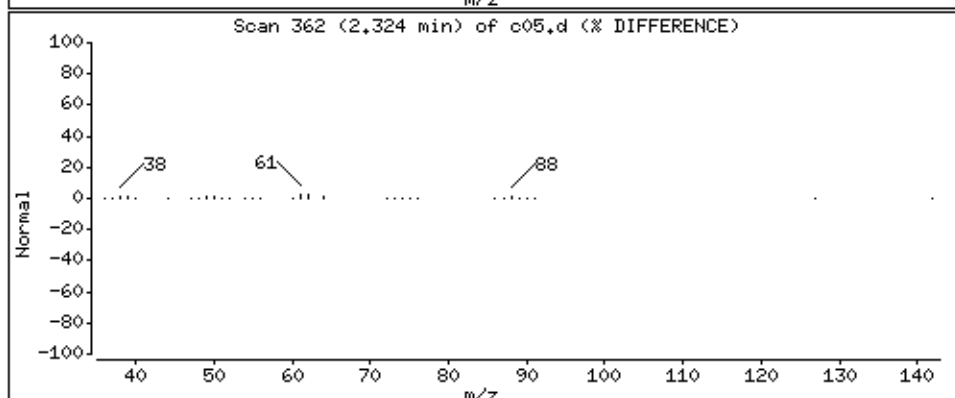
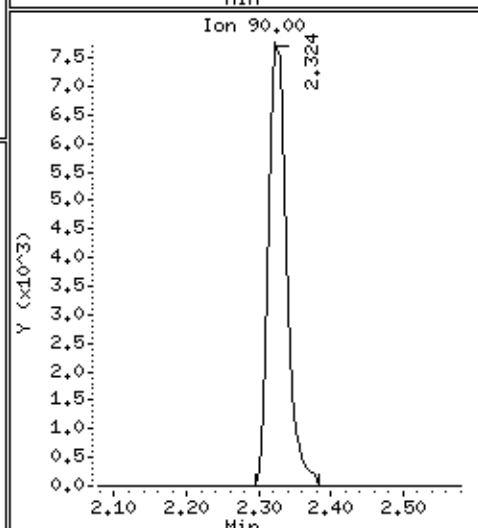
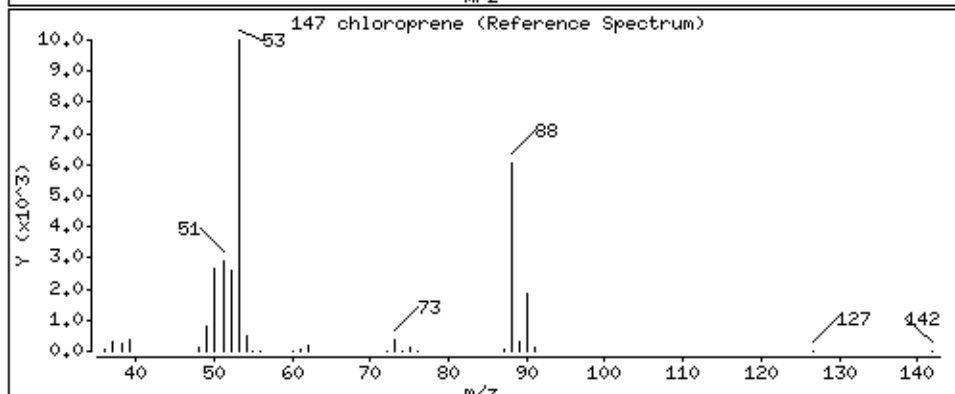
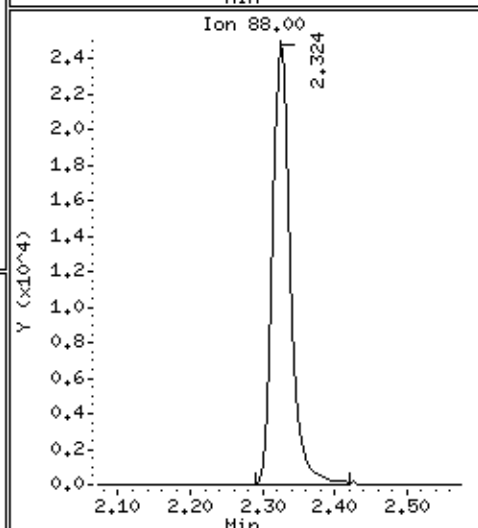
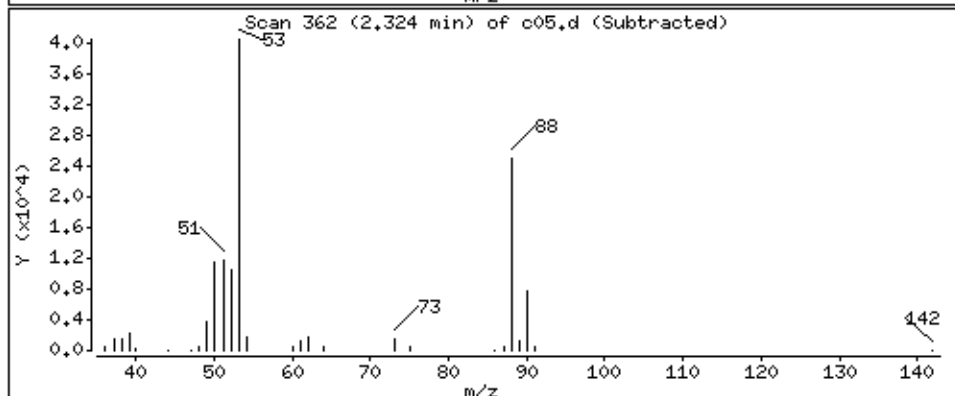
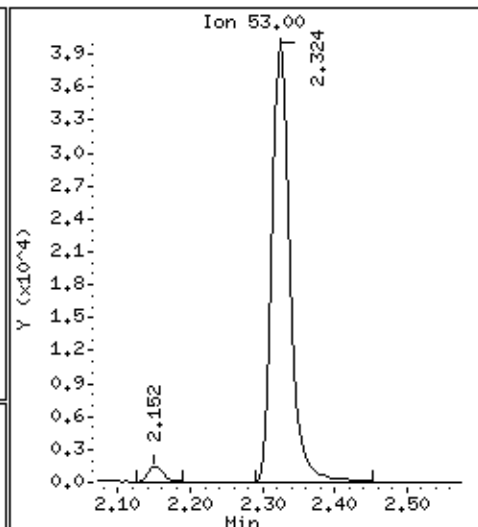
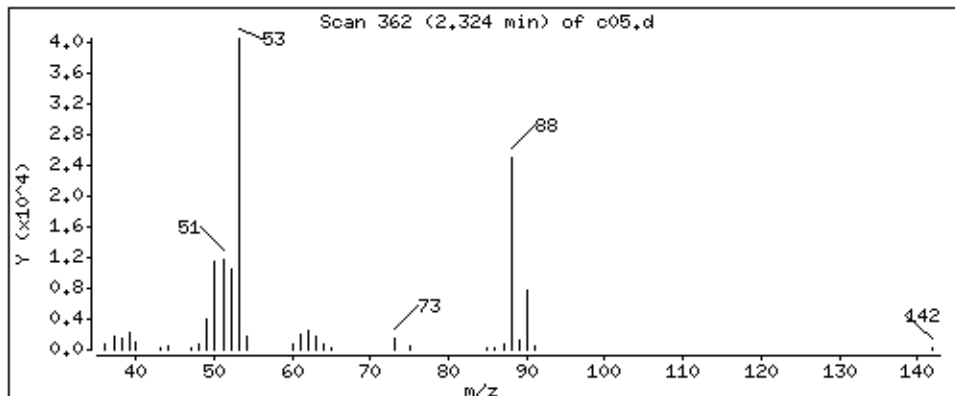
Operator: ala

Column phase: DB-624

Column diameter: 0,18

147 chloroprene

Concentration: 64,3 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

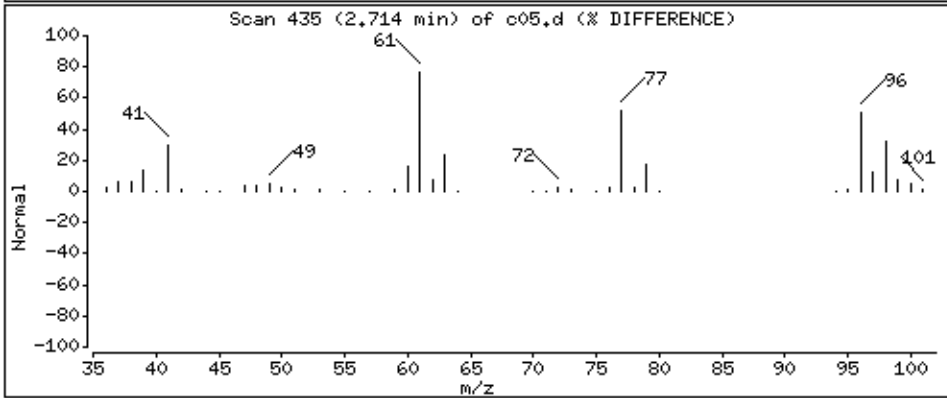
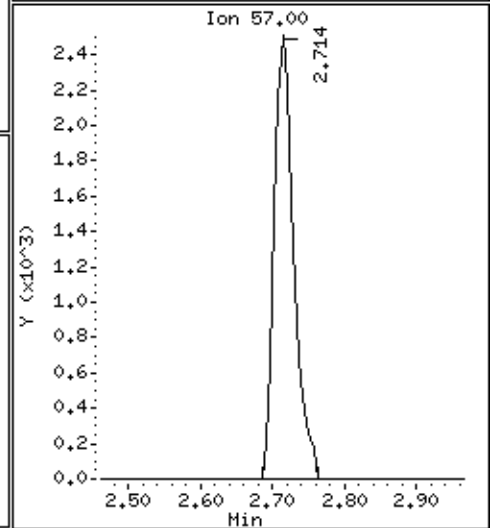
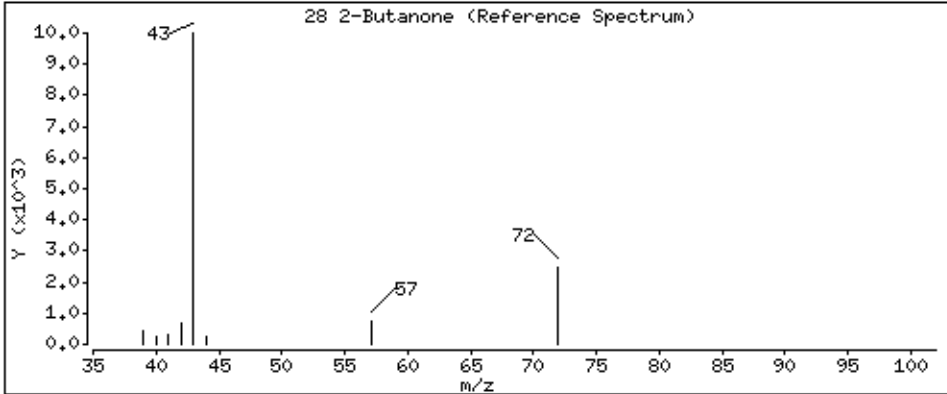
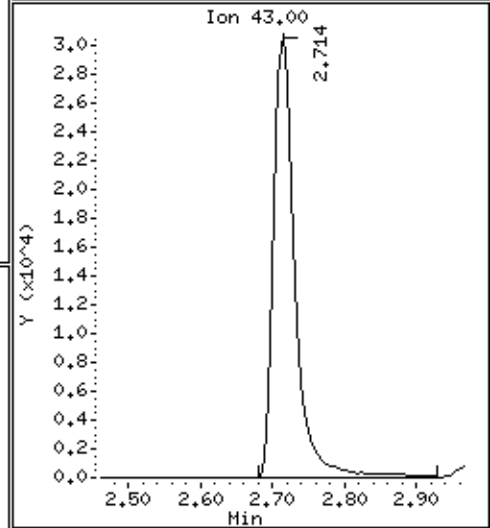
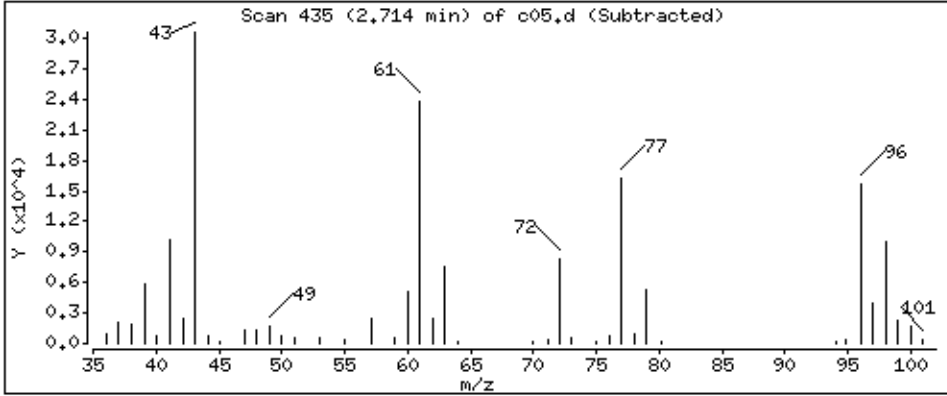
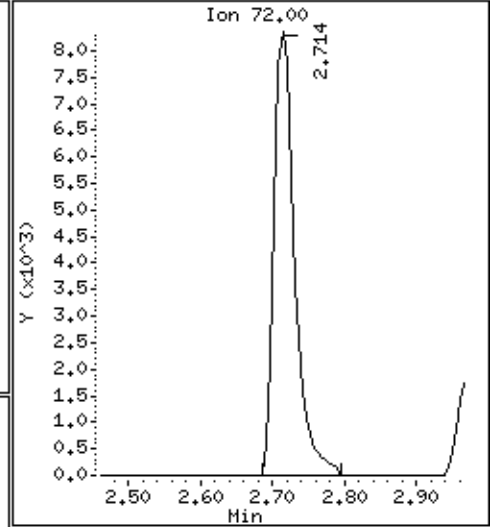
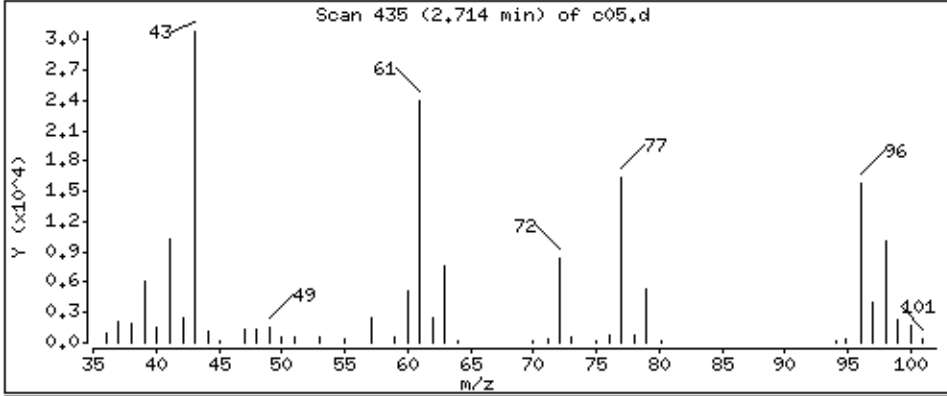
Operator: ala

Column phase: DB-624

Column diameter: 0,18

28 2-Butanone

Concentration: 204 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

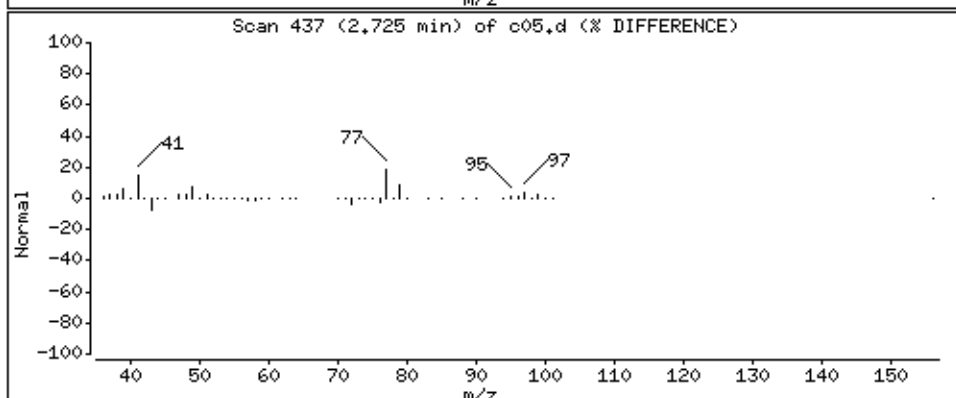
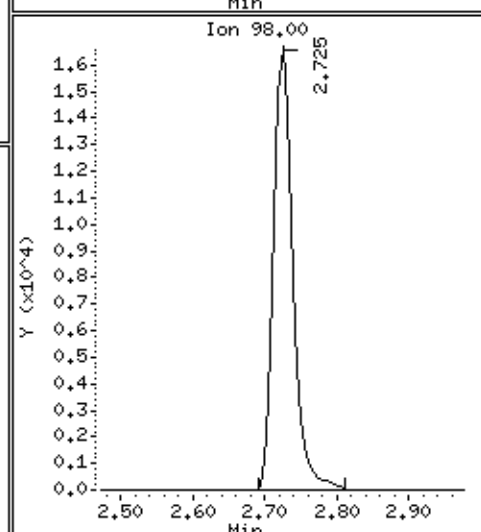
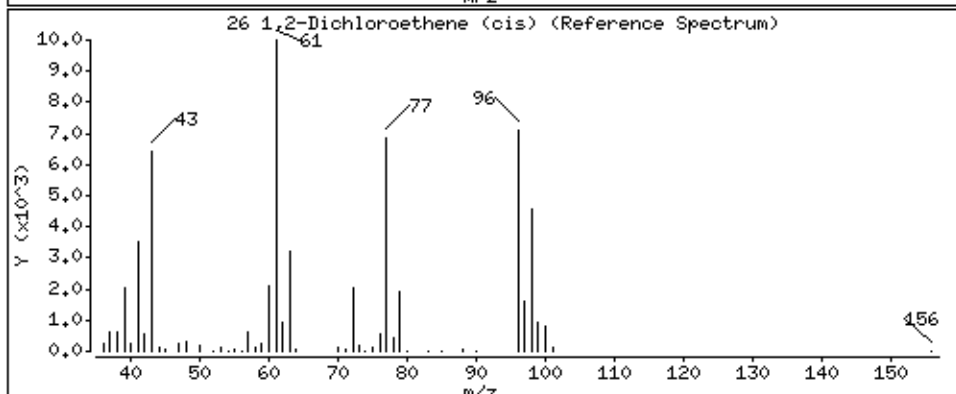
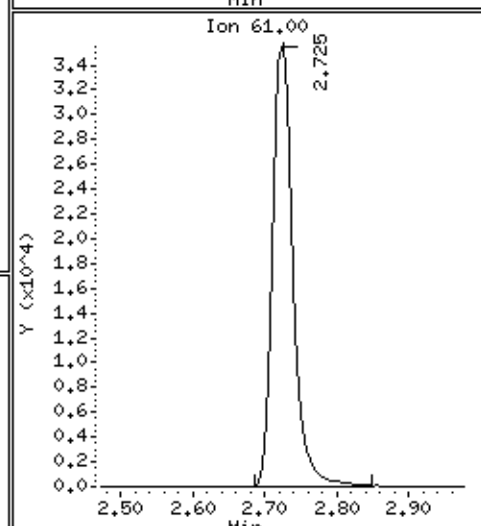
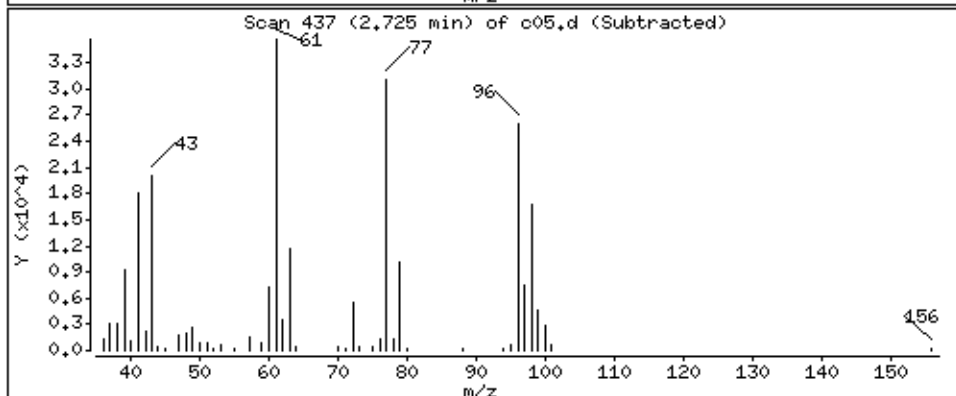
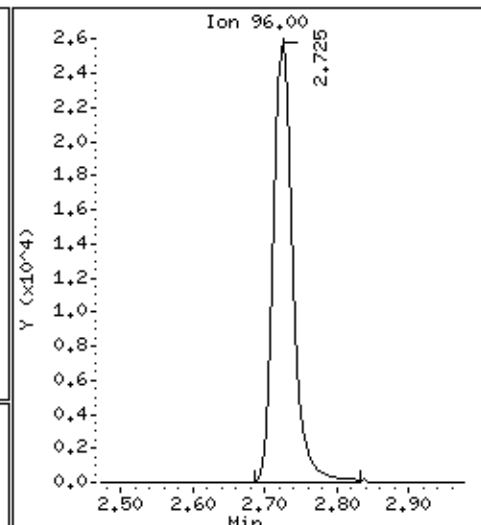
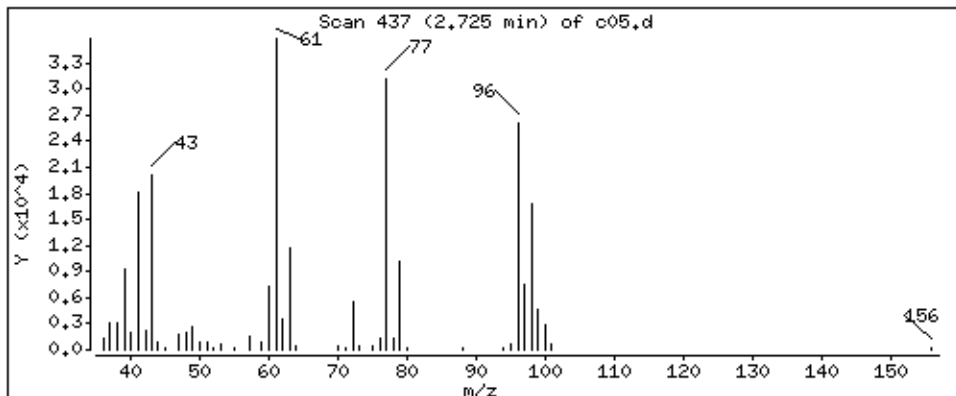
Operator: ala

Column phase: DB-624

Column diameter: 0,18

26 1,2-Dichloroethene (cis)

Concentration: 61,3 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

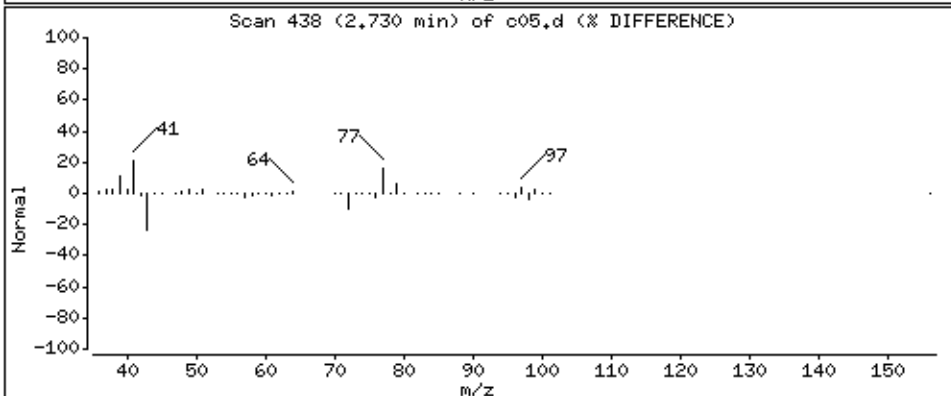
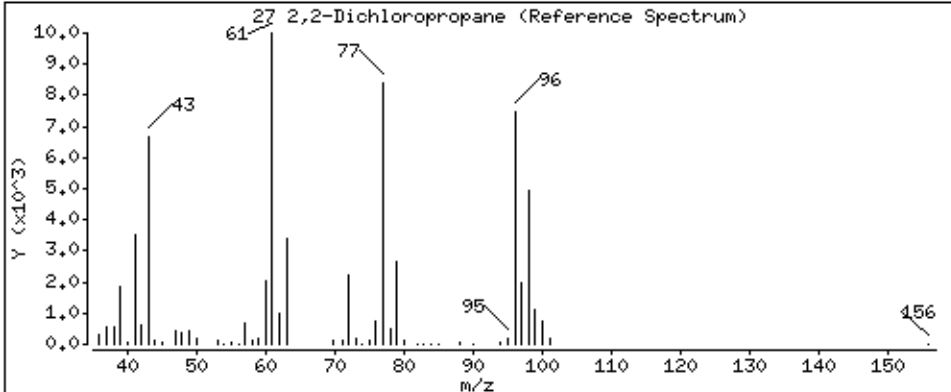
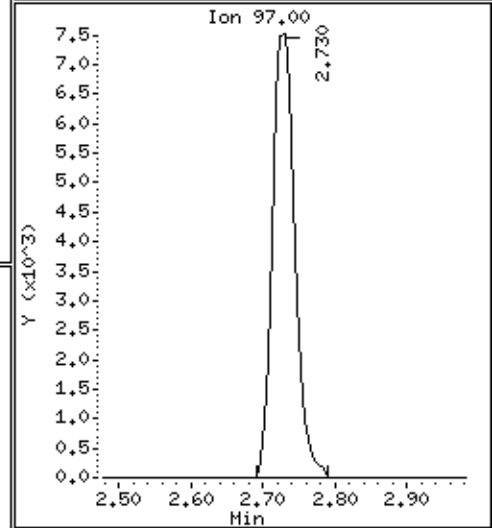
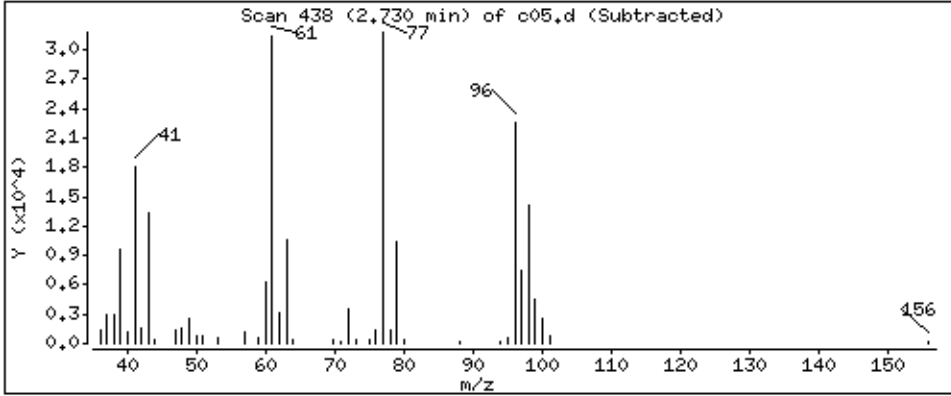
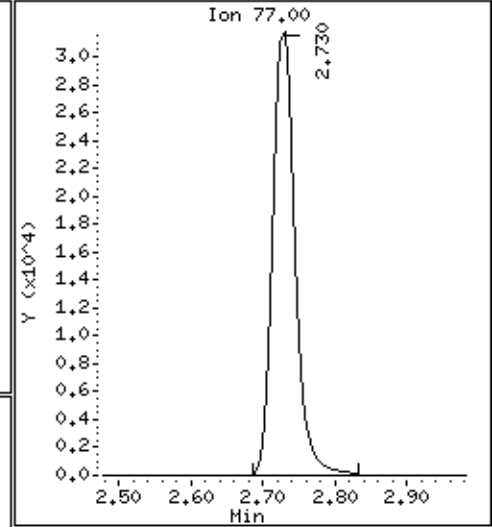
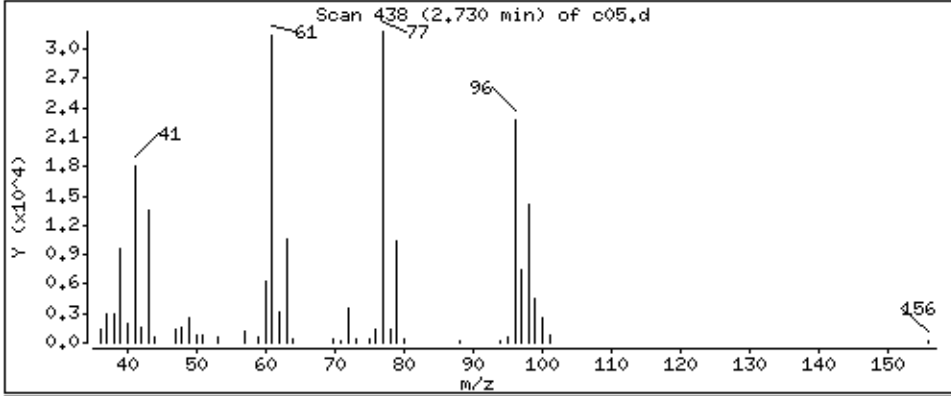
Operator: ala

Column phase: DB-624

Column diameter: 0,18

27 2,2-Dichloropropane

Concentration: 65,3 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

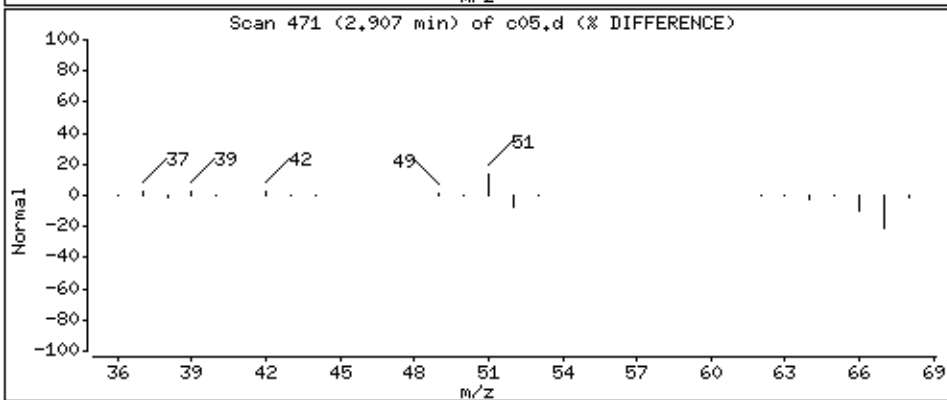
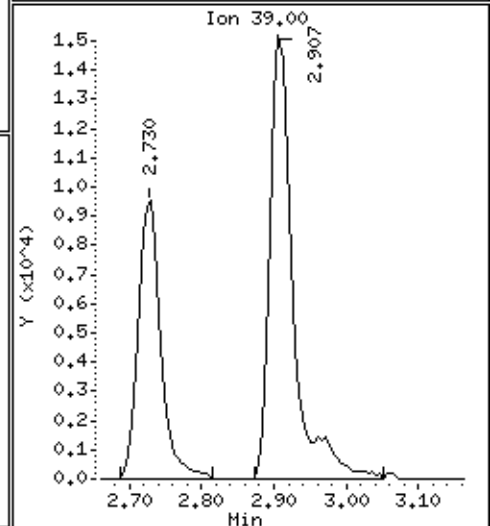
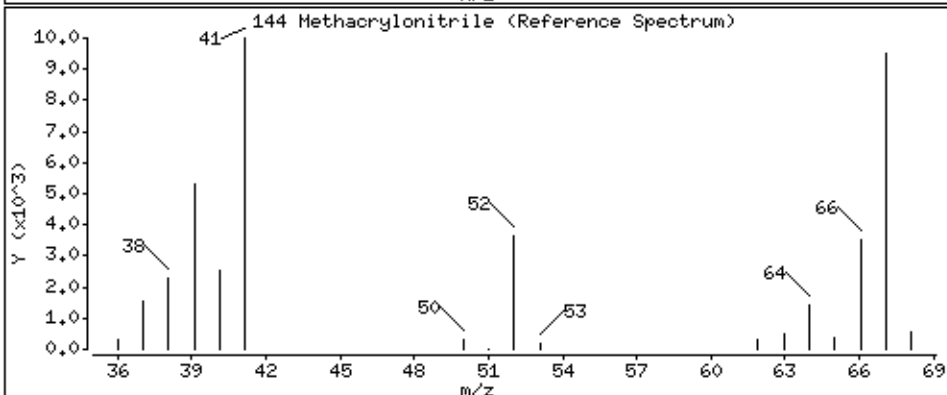
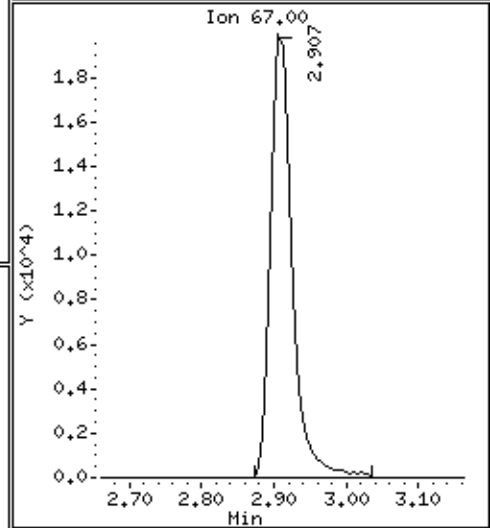
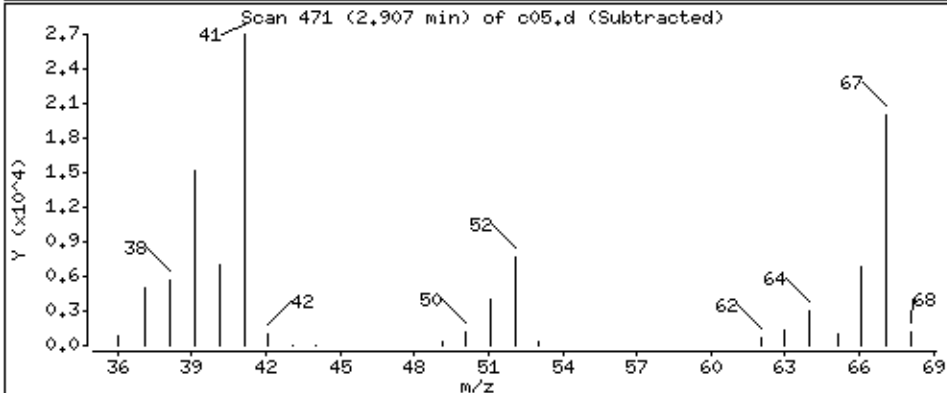
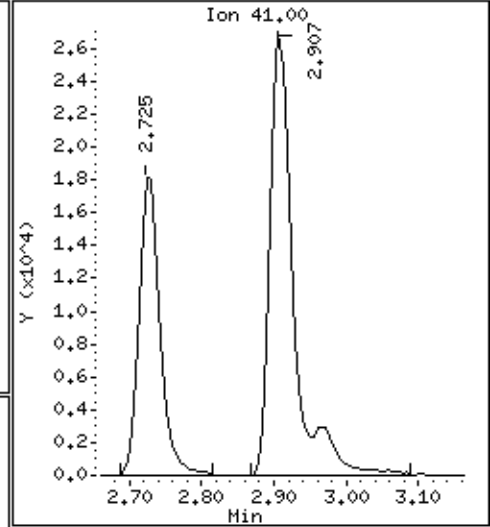
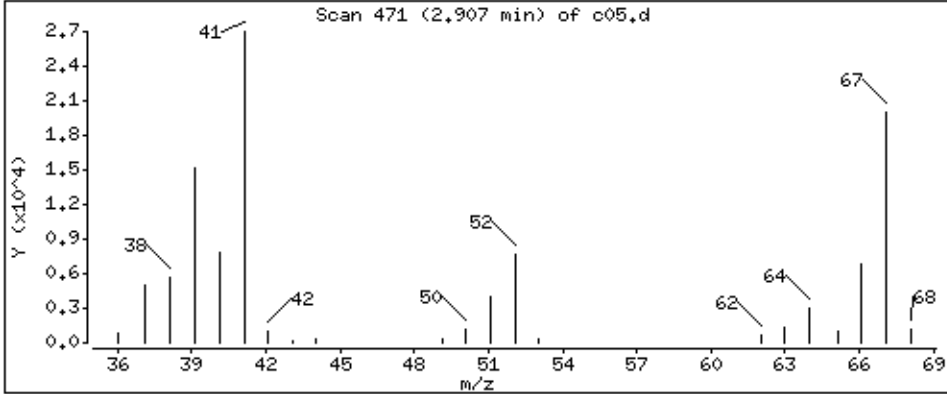
Operator: ala

Column phase: DB-624

Column diameter: 0,18

144 Methacrylonitrile

Concentration: 215 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

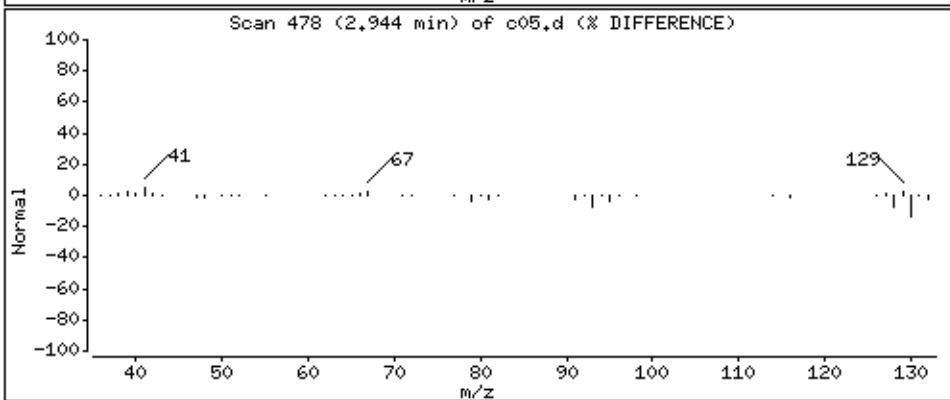
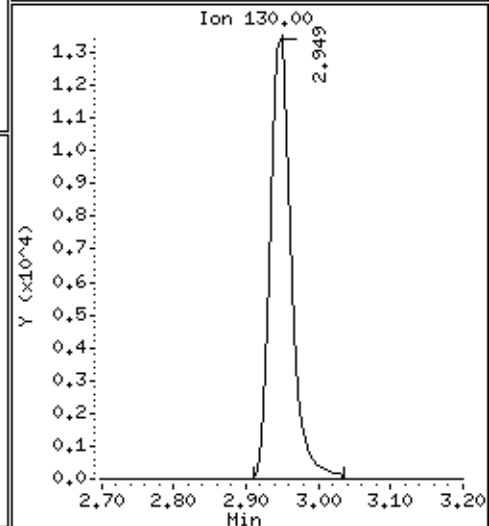
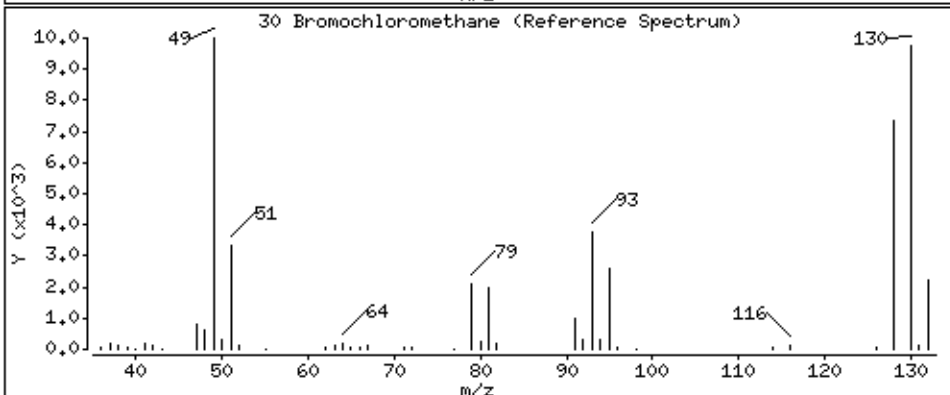
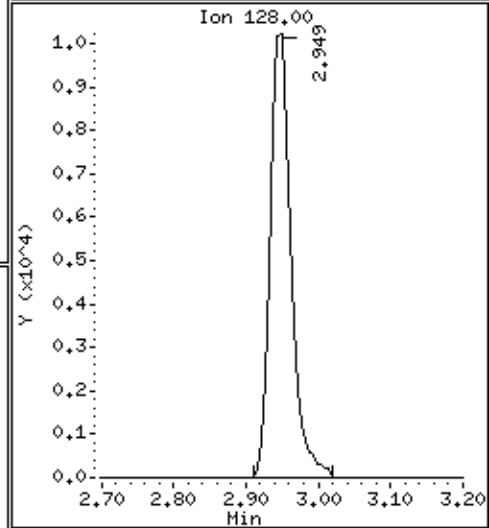
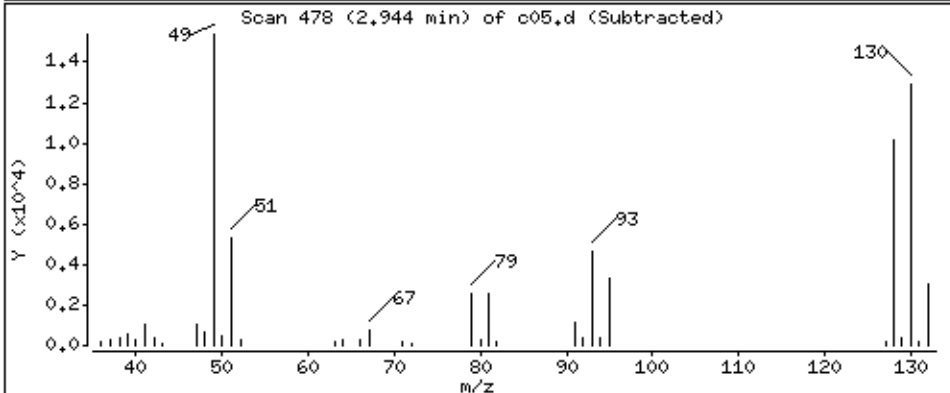
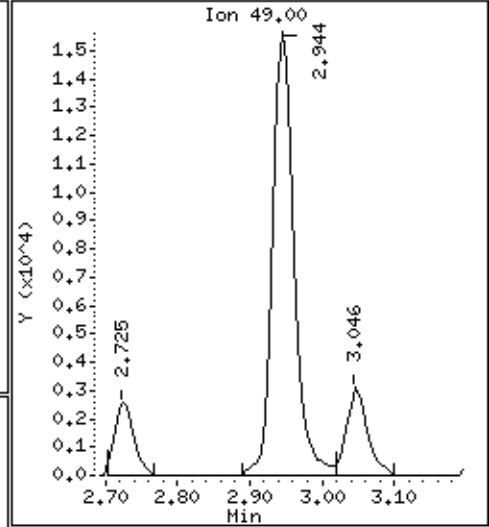
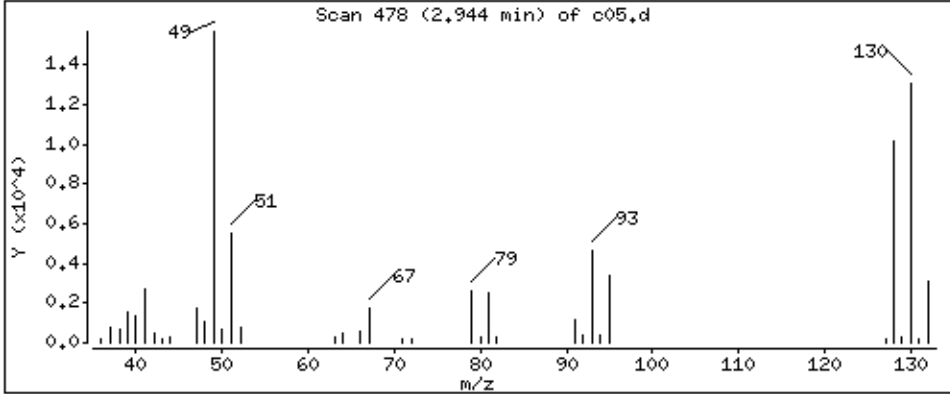
Operator: ala

Column phase: DB-624

Column diameter: 0,18

30 Bromochloromethane

Concentration: 58,7 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

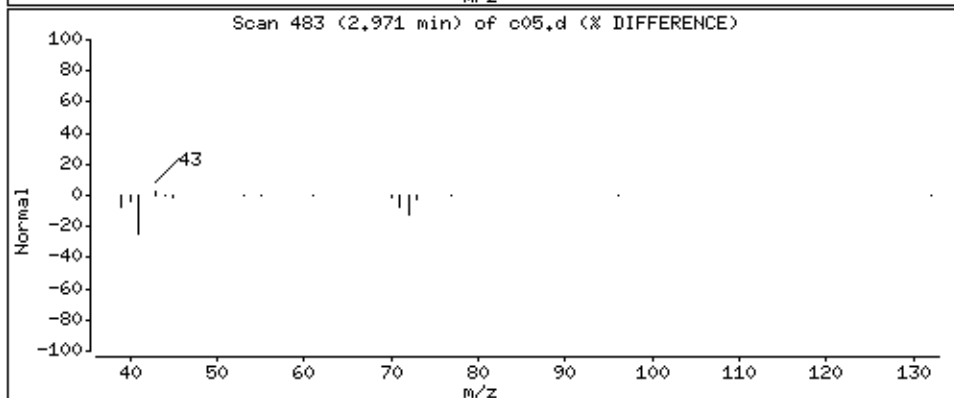
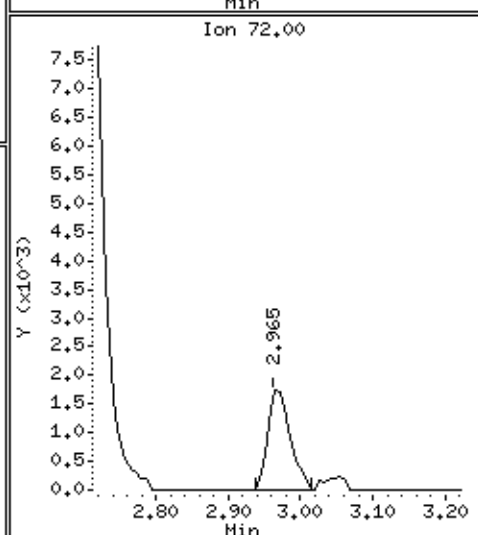
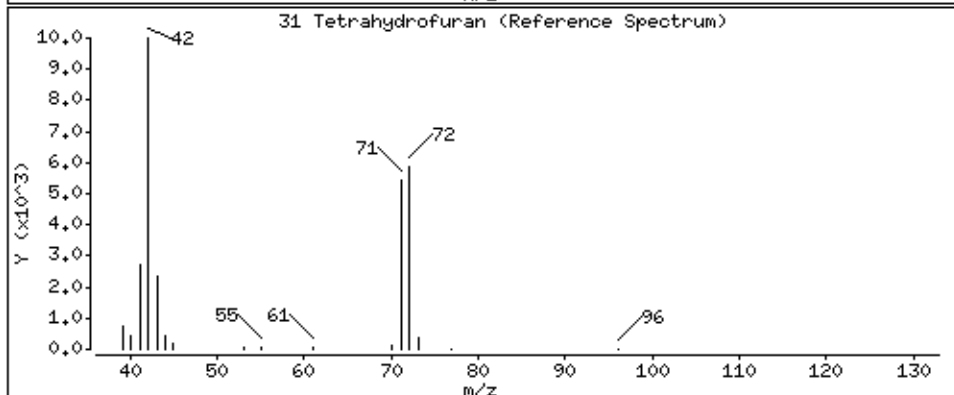
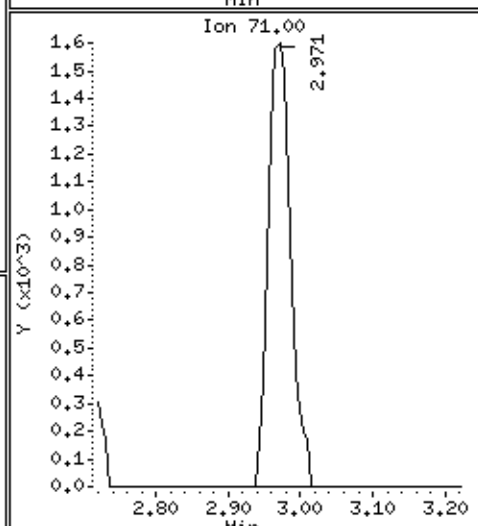
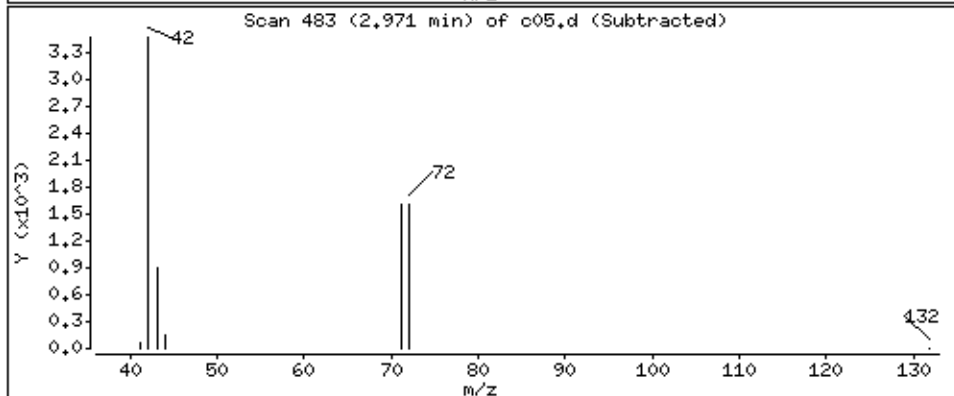
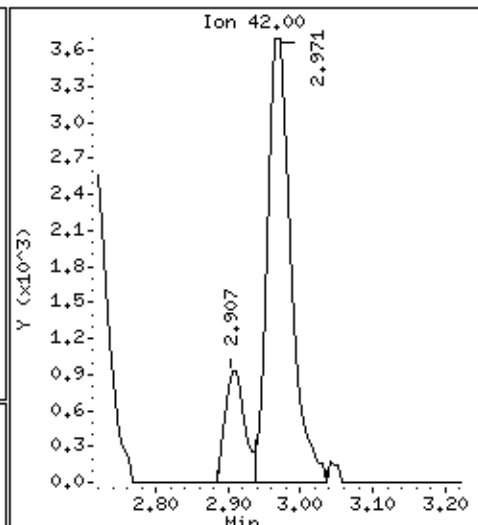
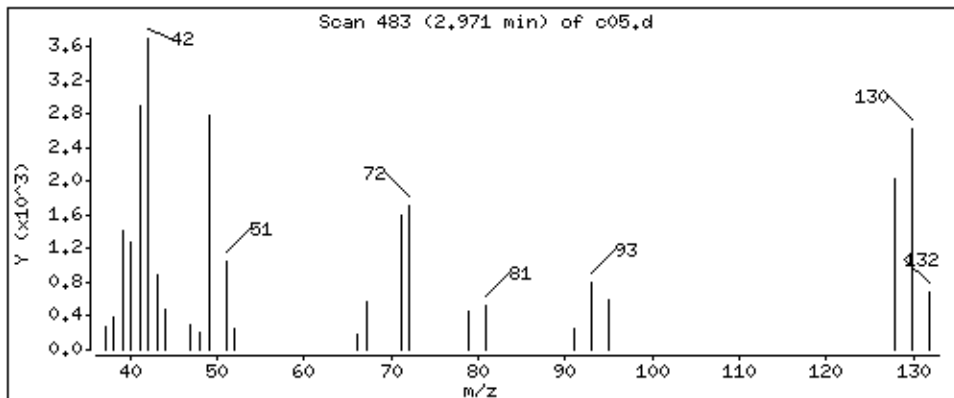
Operator: ala

Column phase: DB-624

Column diameter: 0,18

31 Tetrahydrofuran

Concentration: 46,0 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

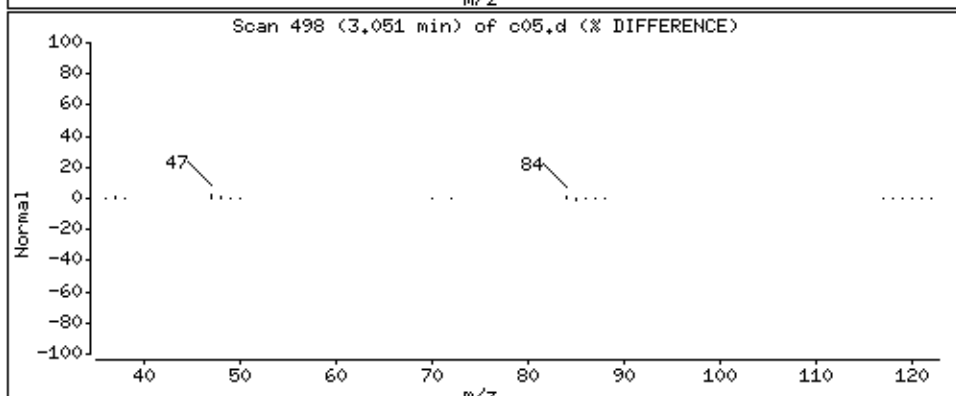
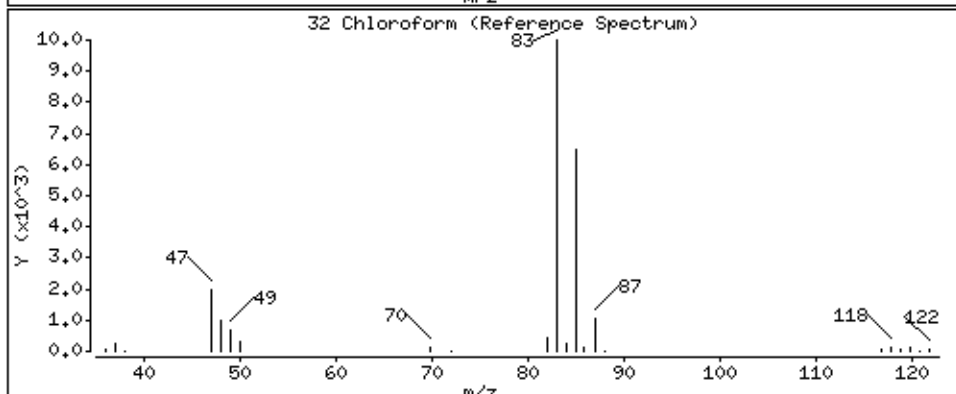
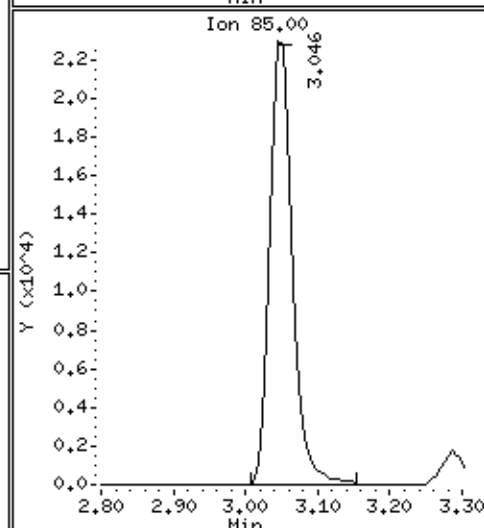
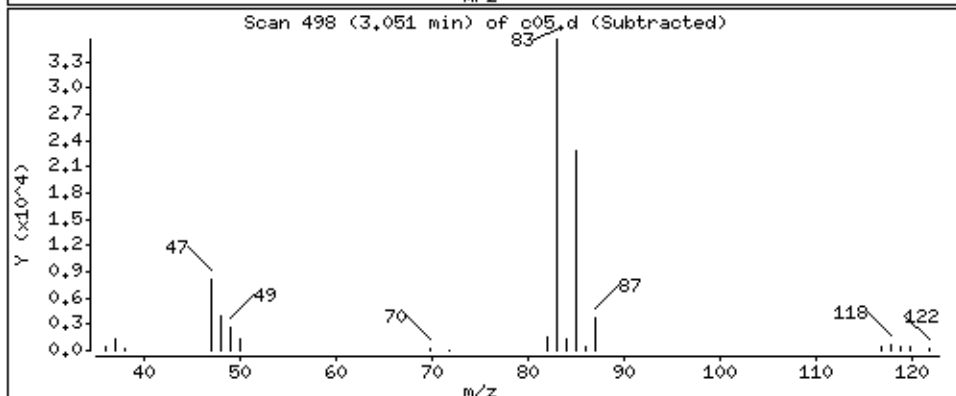
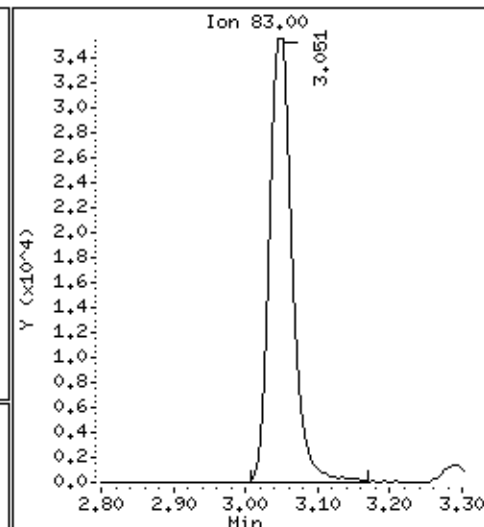
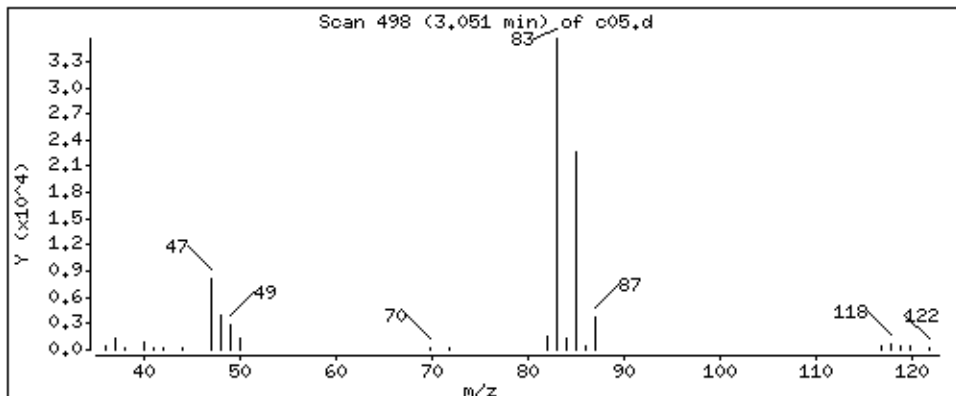
Operator: ala

Column phase: DB-624

Column diameter: 0,18

32 Chloroform

Concentration: 56,0 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

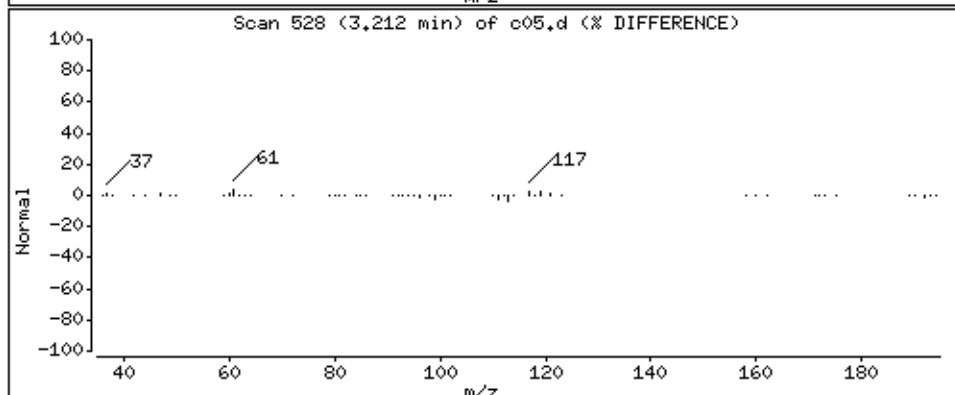
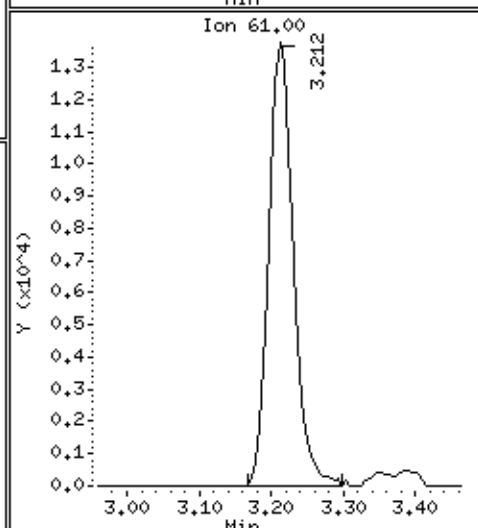
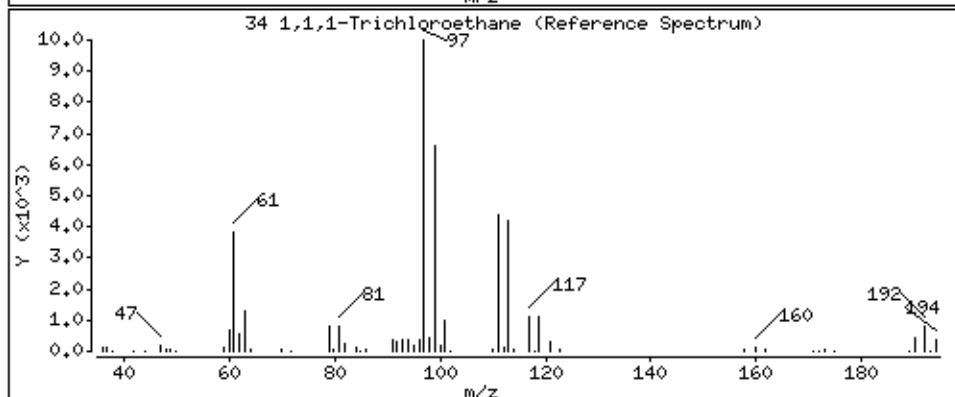
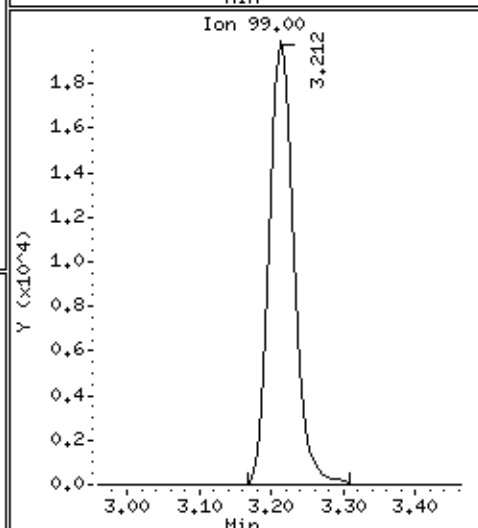
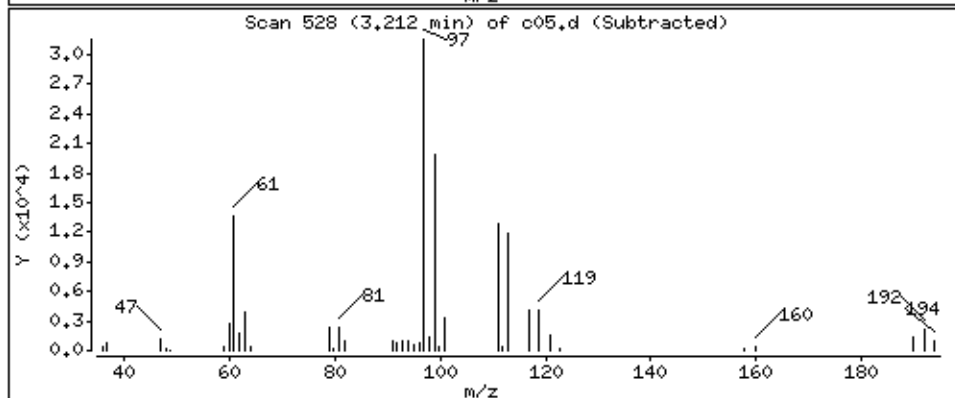
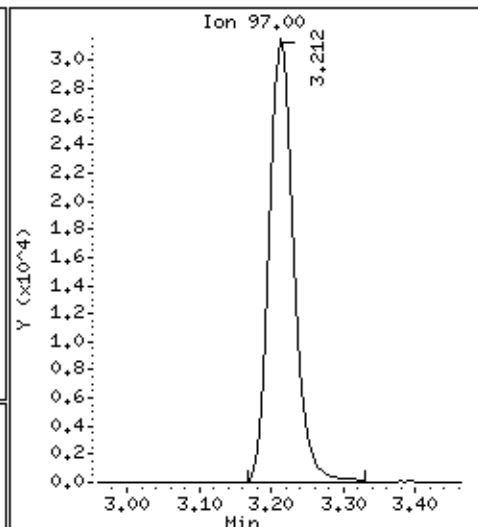
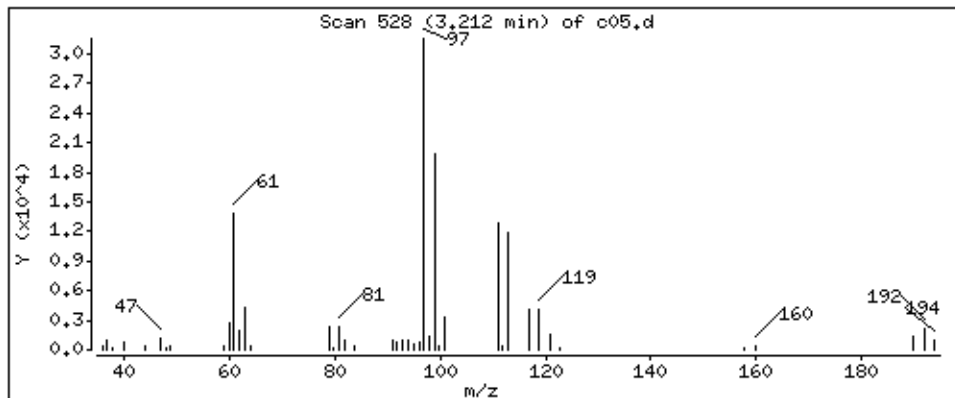
Operator: ala

Column phase: DB-624

Column diameter: 0,18

34 1,1,1-Trichloroethane

Concentration: 66,2 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

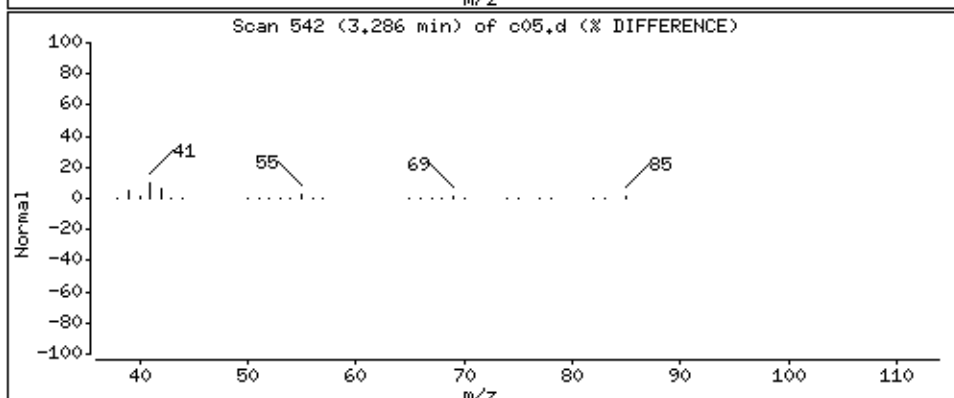
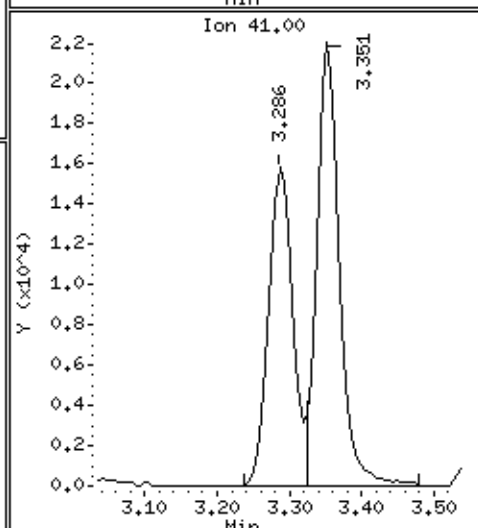
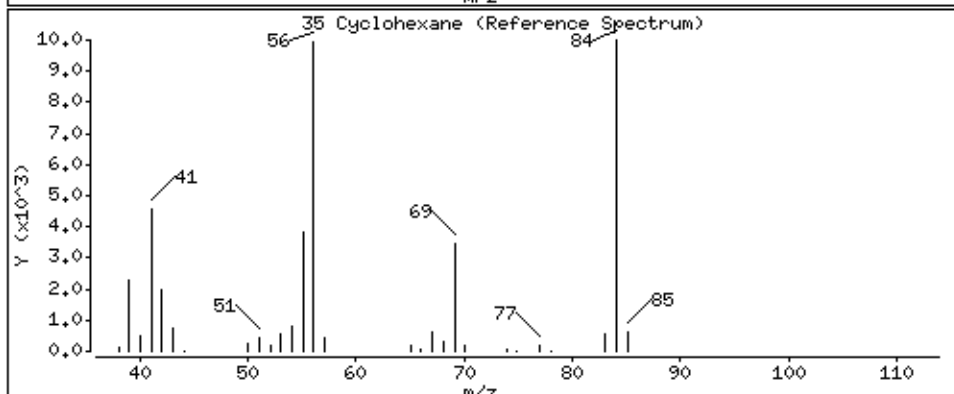
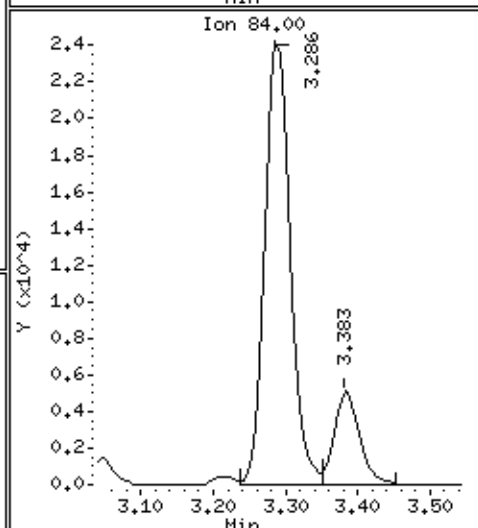
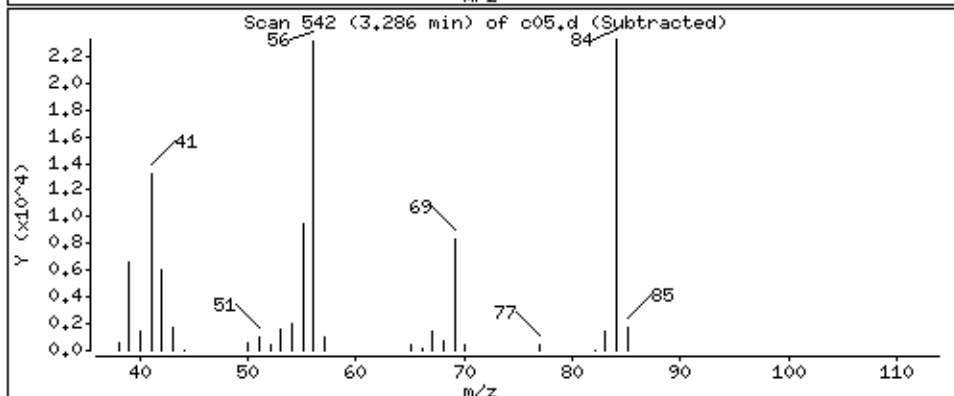
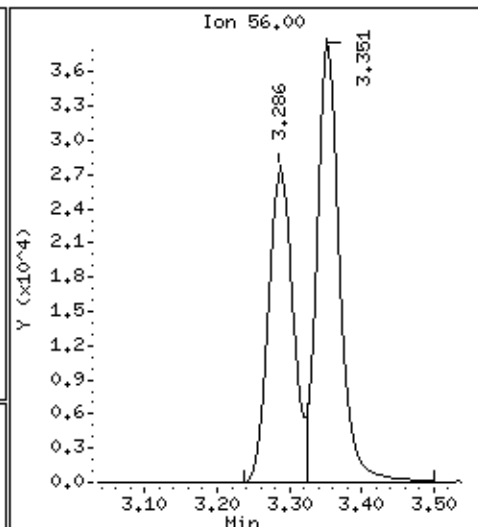
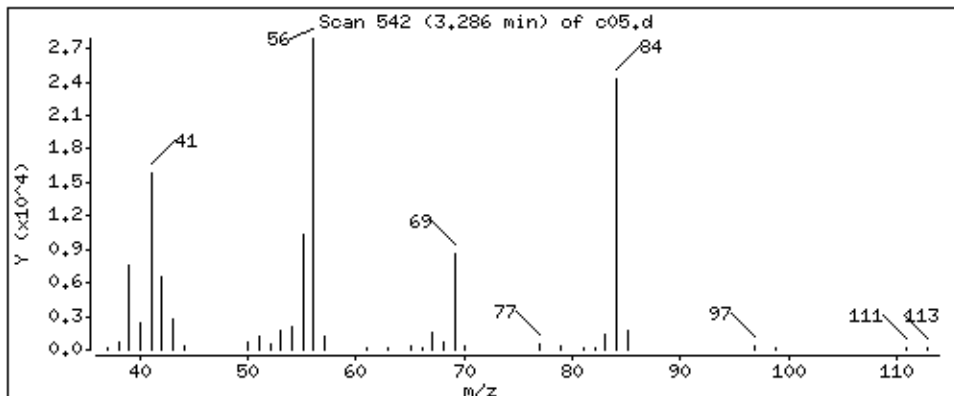
Operator: ala

Column phase: DB-624

Column diameter: 0,18

35 Cyclohexane

Concentration: 57,2 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

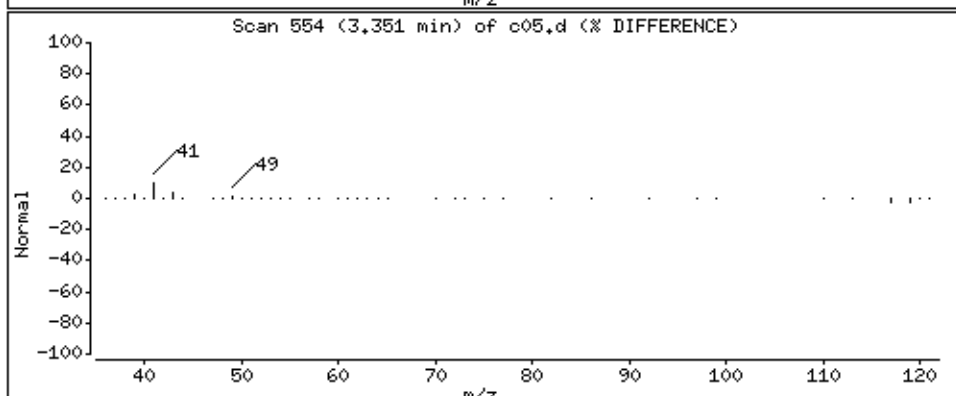
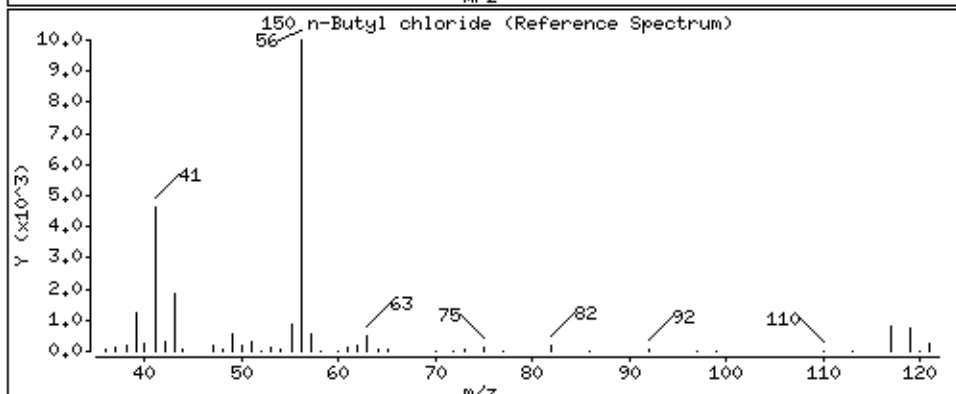
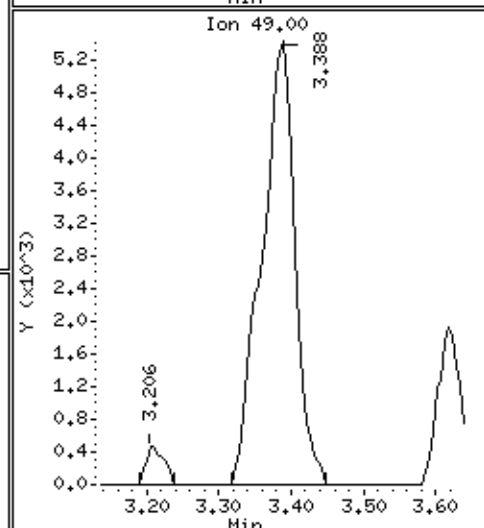
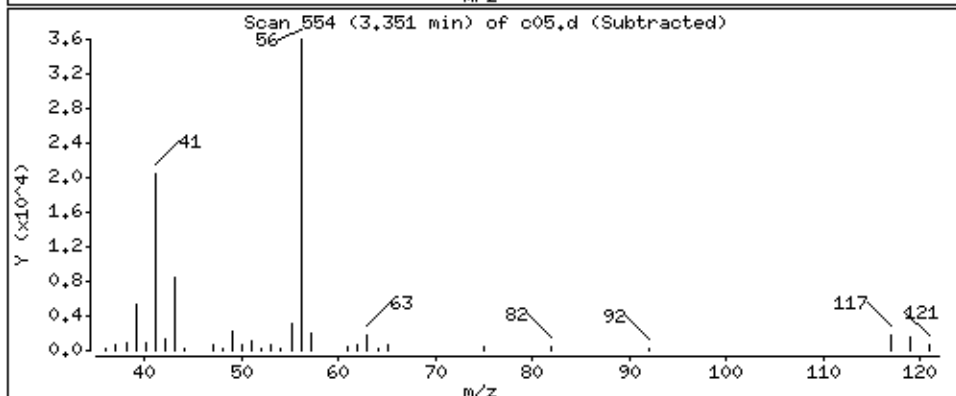
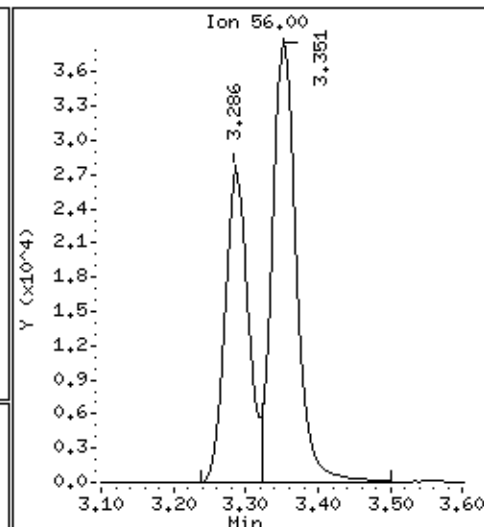
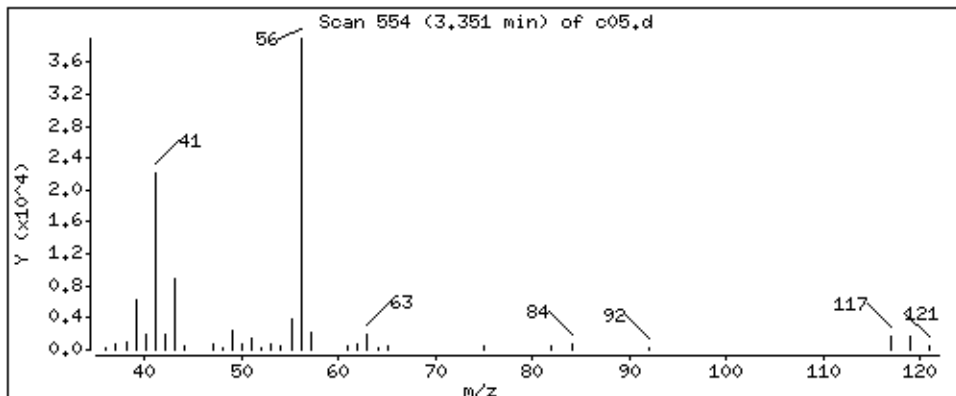
Operator: ala

Column phase: DB-624

Column diameter: 0,18

150 n-Butyl chloride

Concentration: 66,0 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

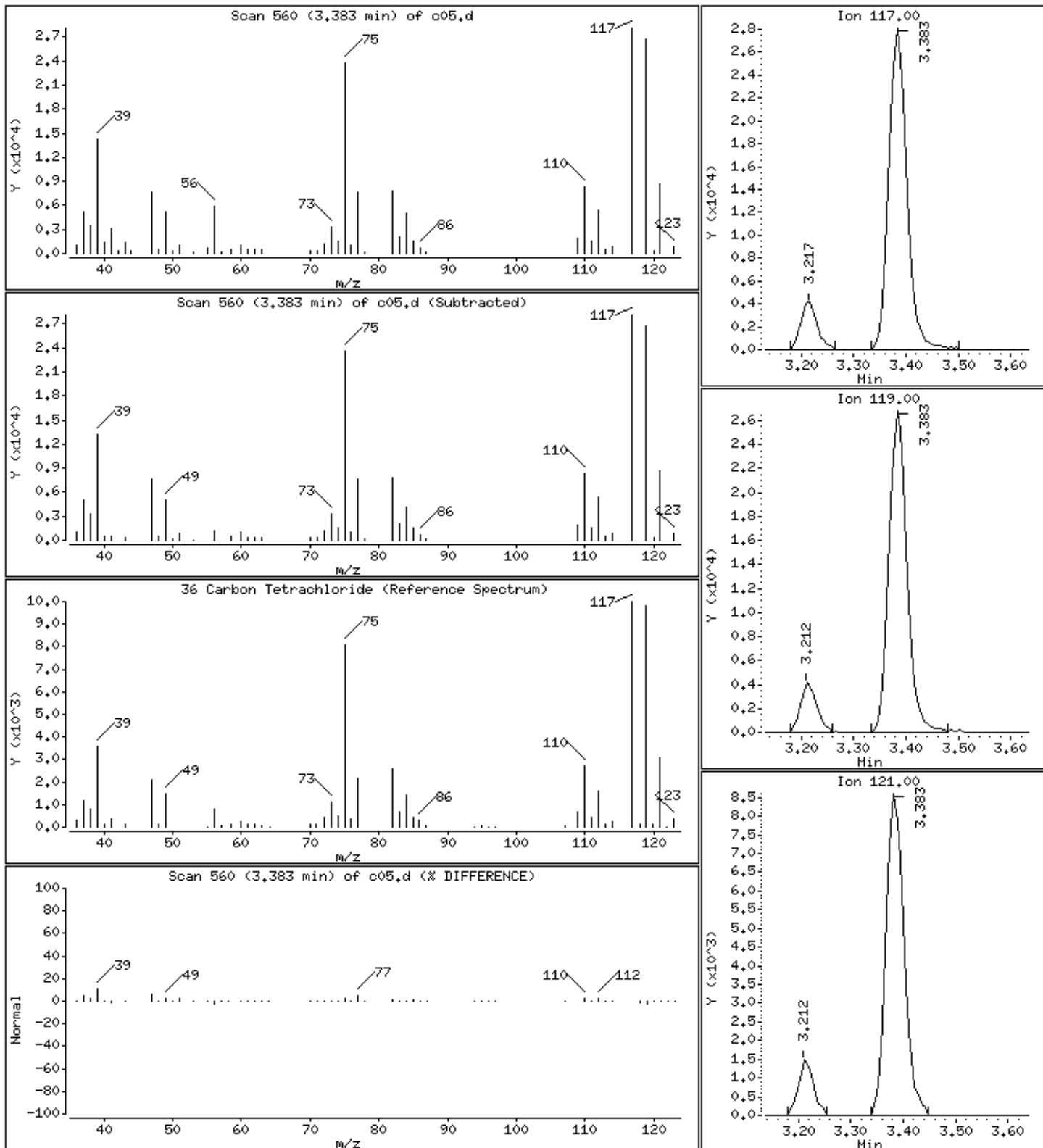
Operator: ala

Column phase: DB-624

Column diameter: 0,18

36 Carbon Tetrachloride

Concentration: 65,8 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

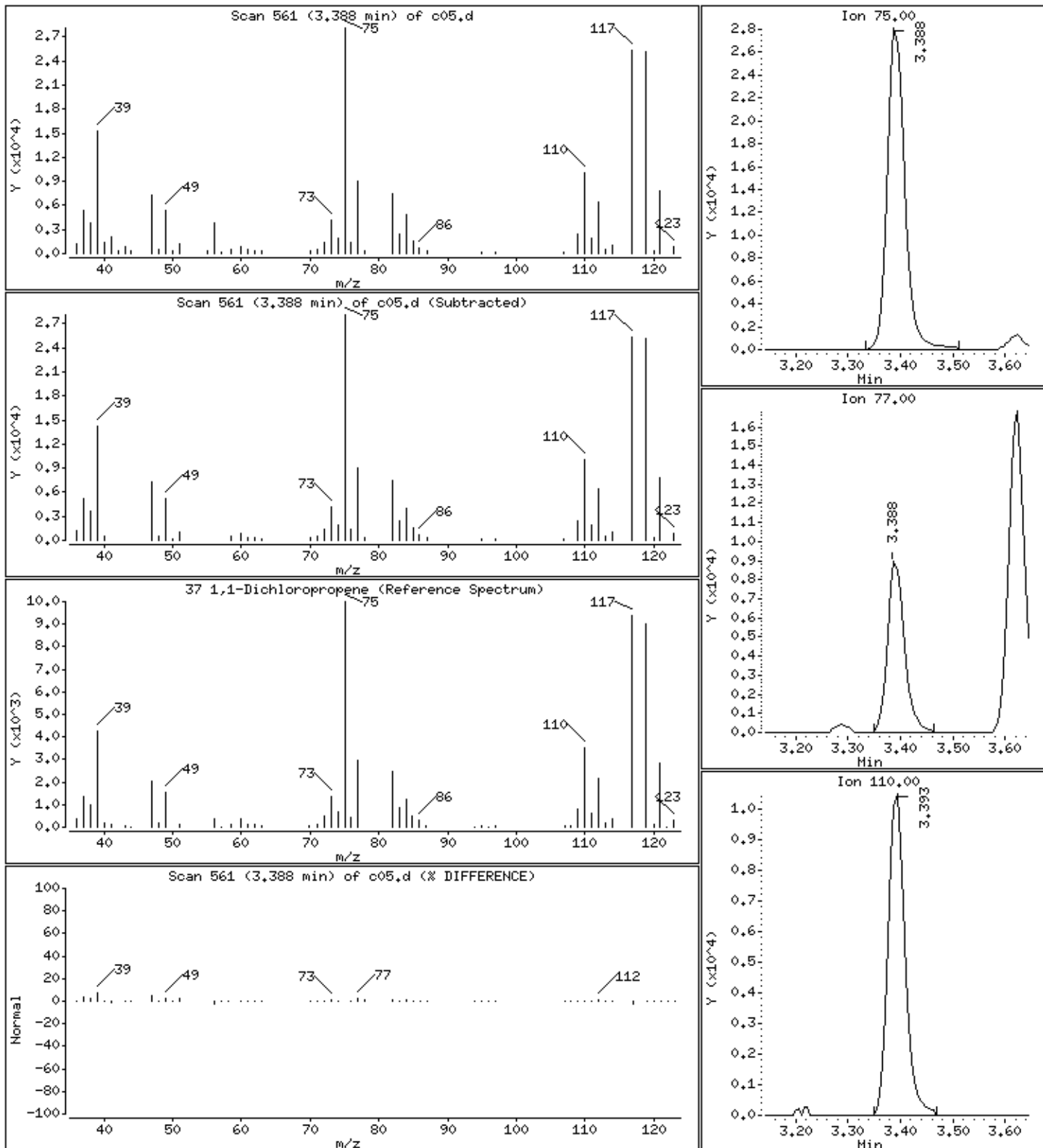
Operator: ala

Column phase: DB-624

Column diameter: 0,18

37 1,1-Dichloropropene

Concentration: 66,6 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

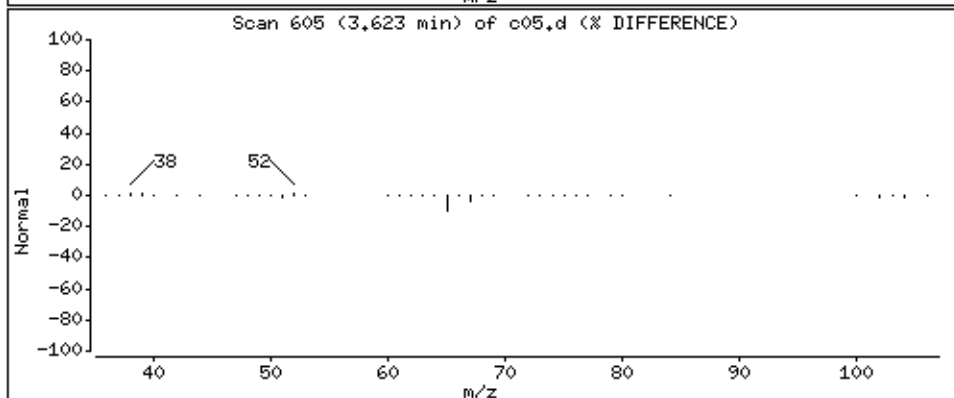
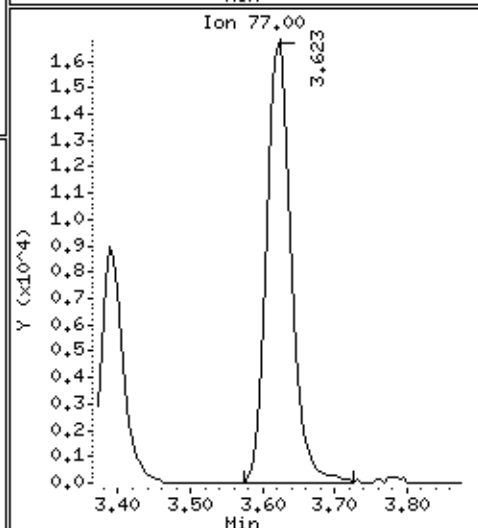
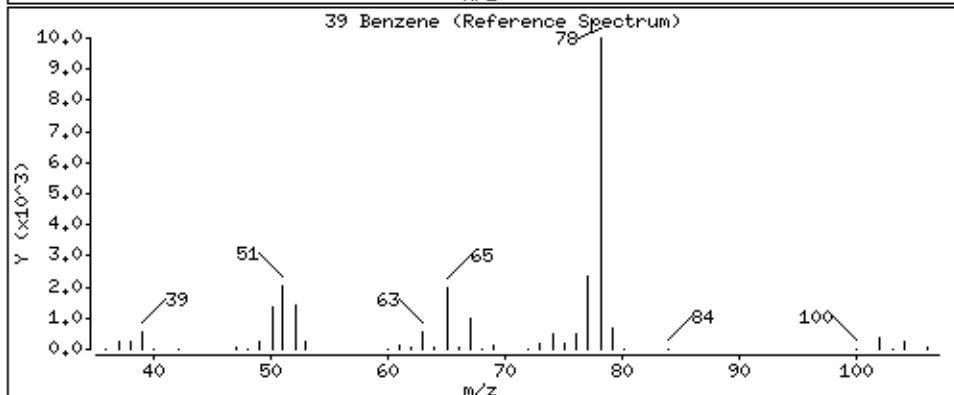
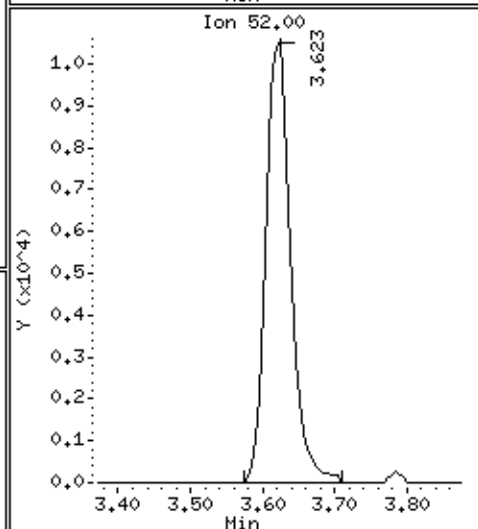
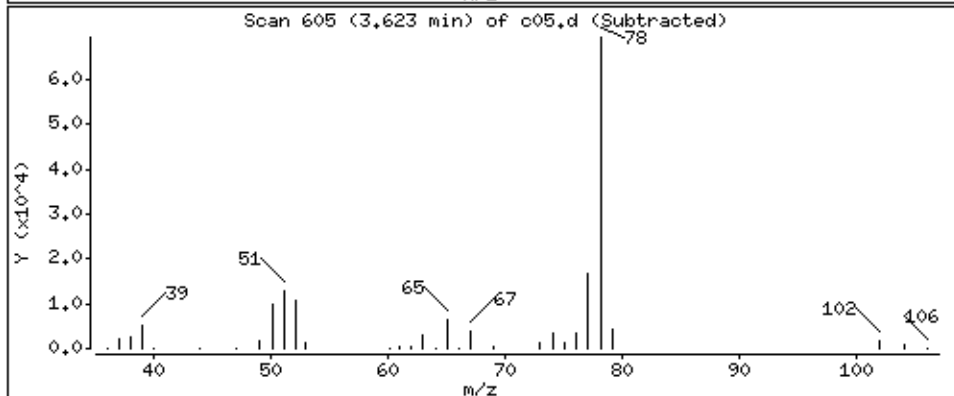
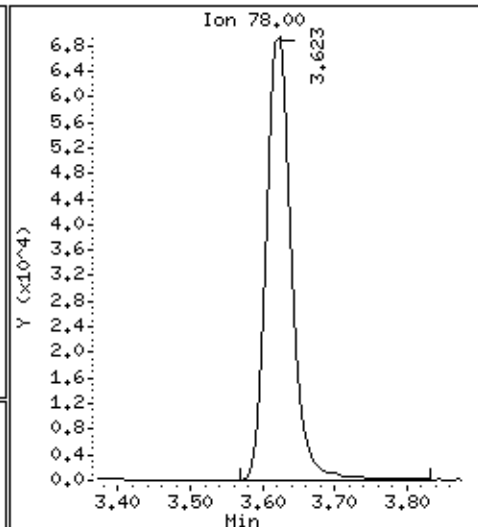
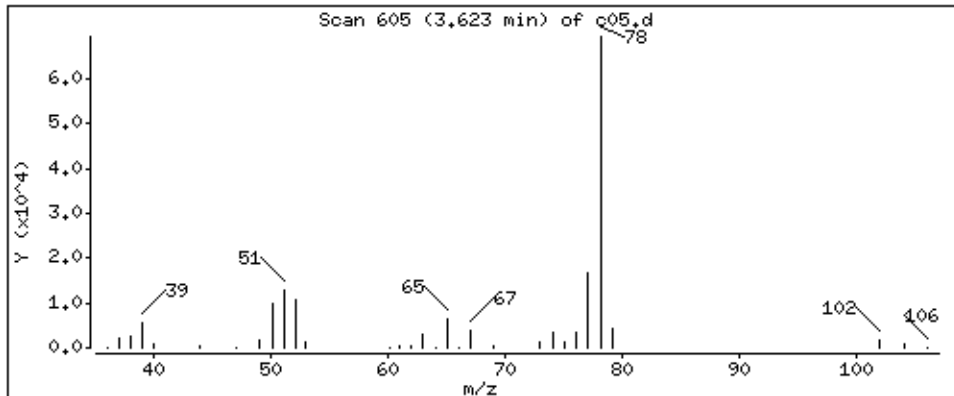
Operator: ala

Column phase: DB-624

Column diameter: 0,18

39 Benzene

Concentration: 62,3 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

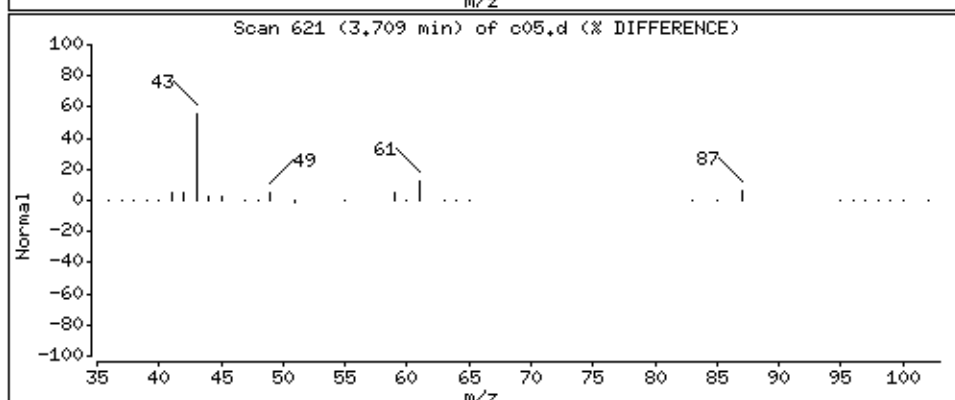
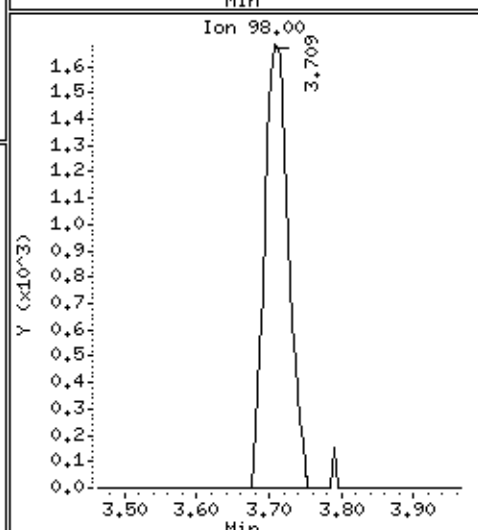
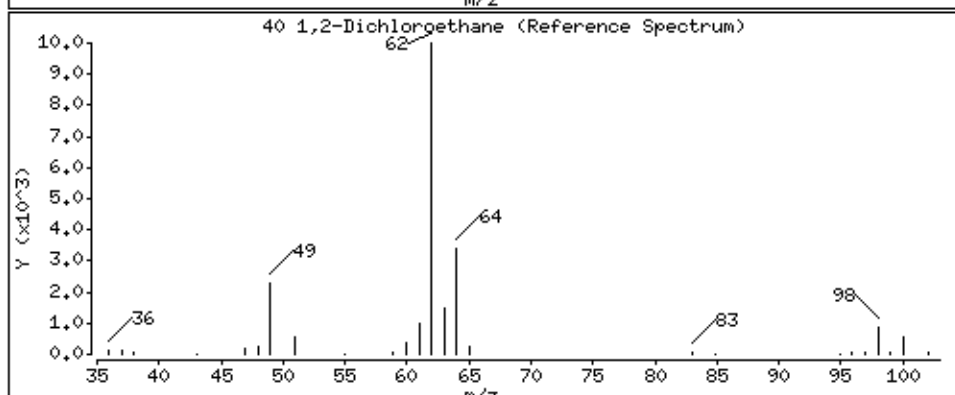
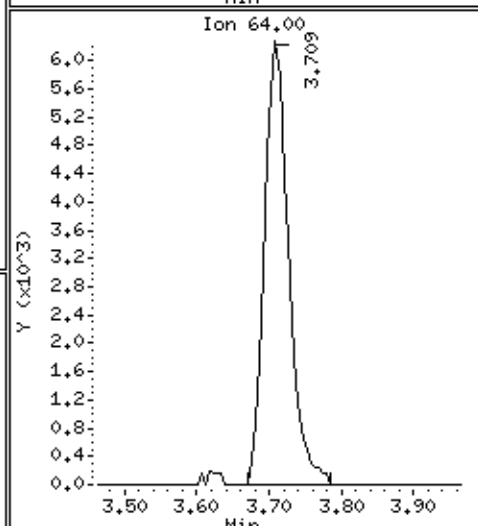
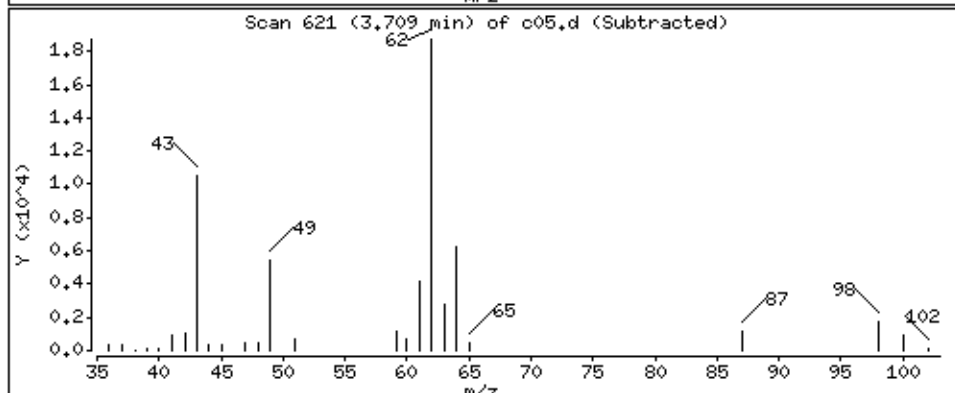
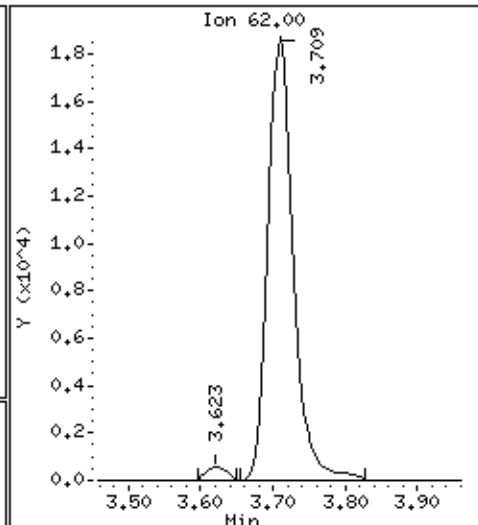
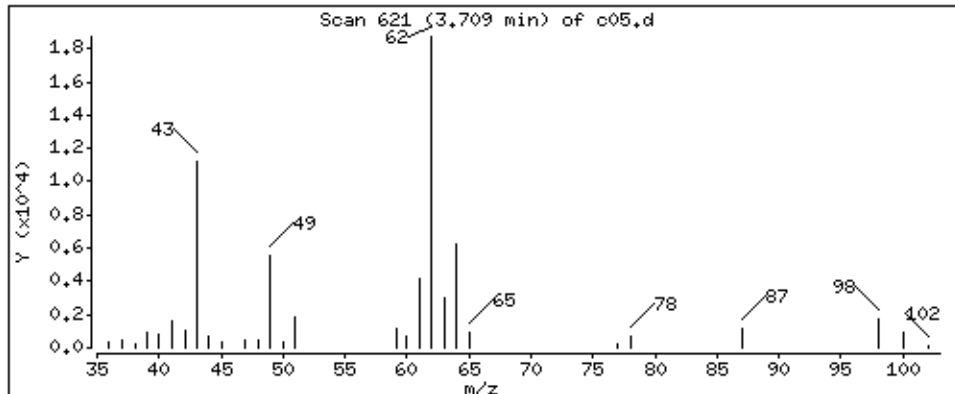
Operator: ala

Column phase: DB-624

Column diameter: 0,18

40 1,2-Dichloroethane

Concentration: 57,6 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

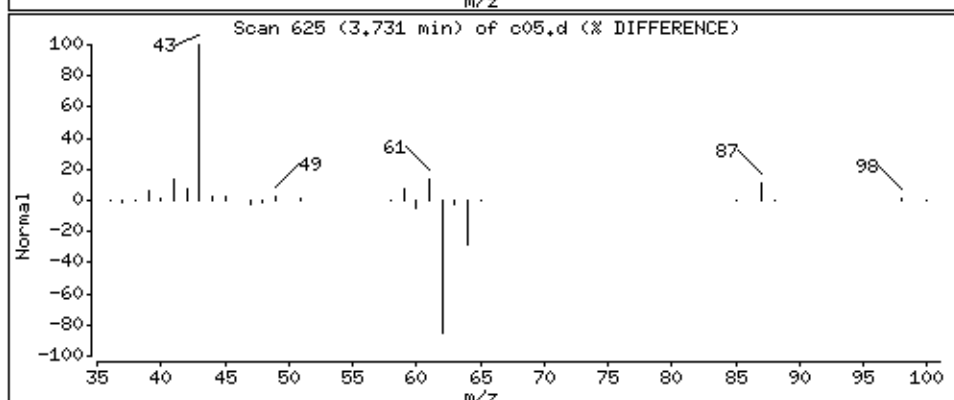
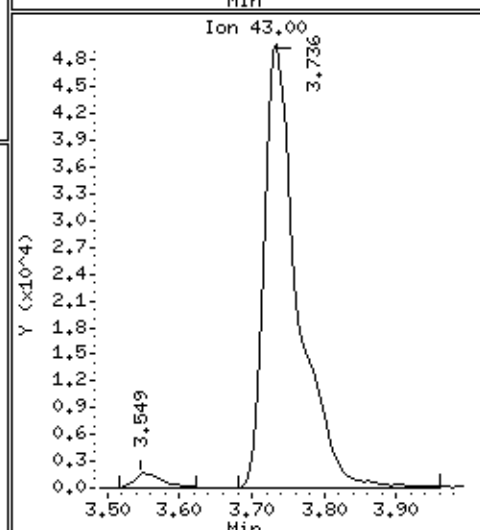
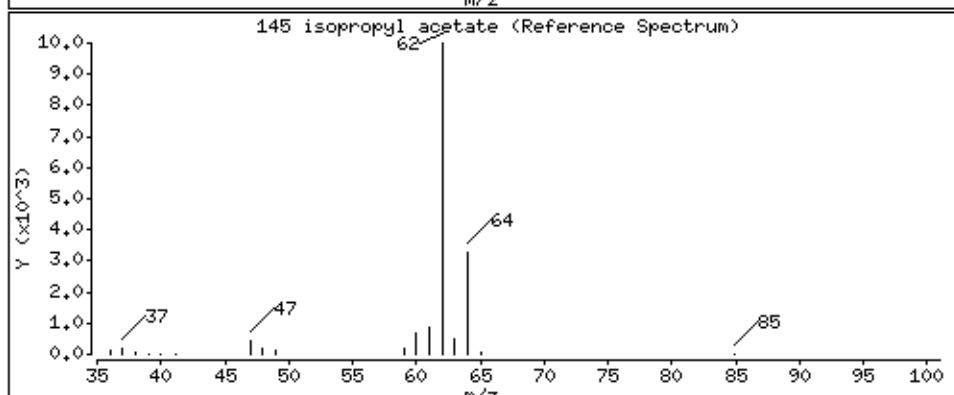
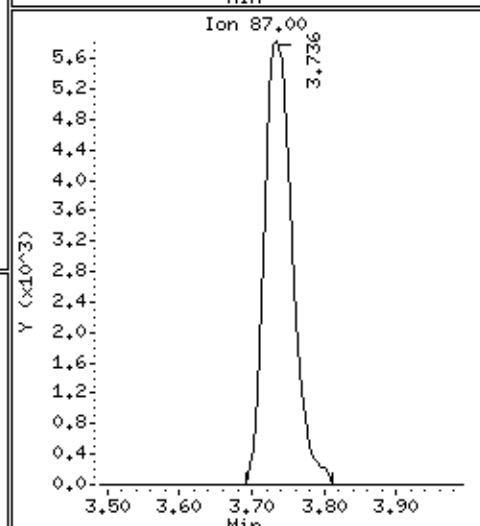
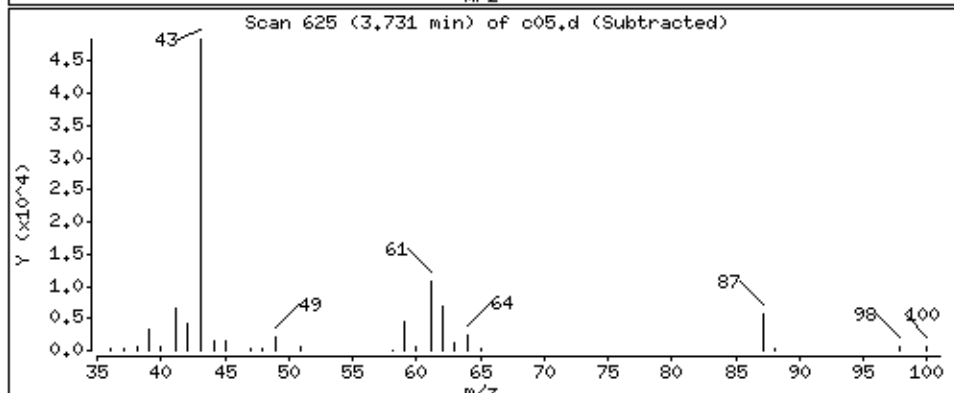
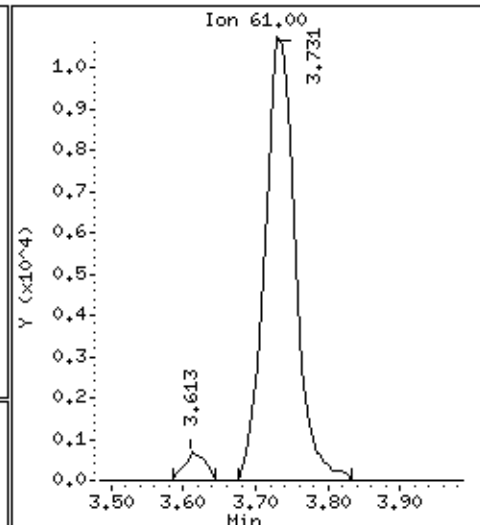
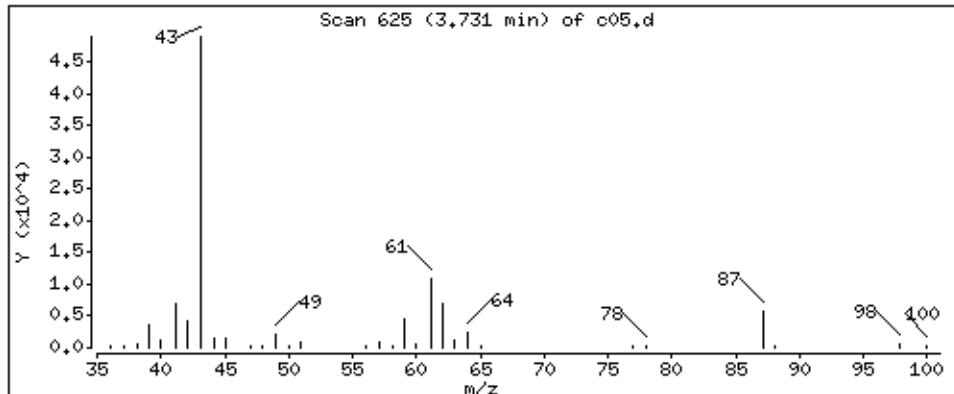
Operator: ala

Column phase: DB-624

Column diameter: 0,18

145 isopropyl acetate

Concentration: 161 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

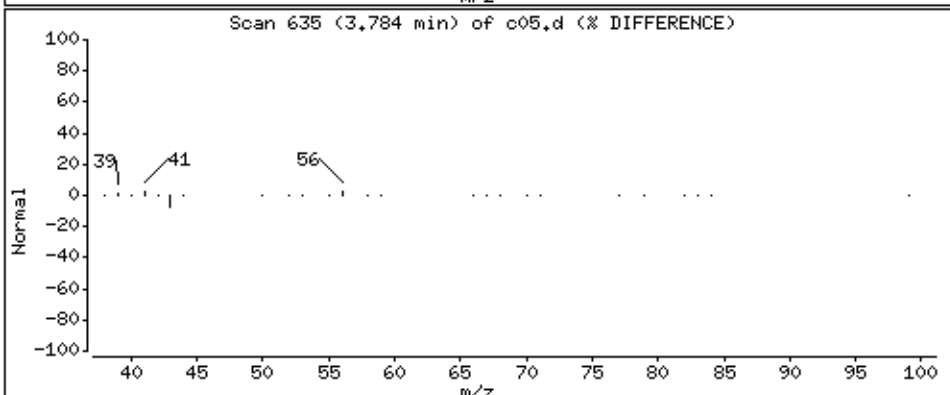
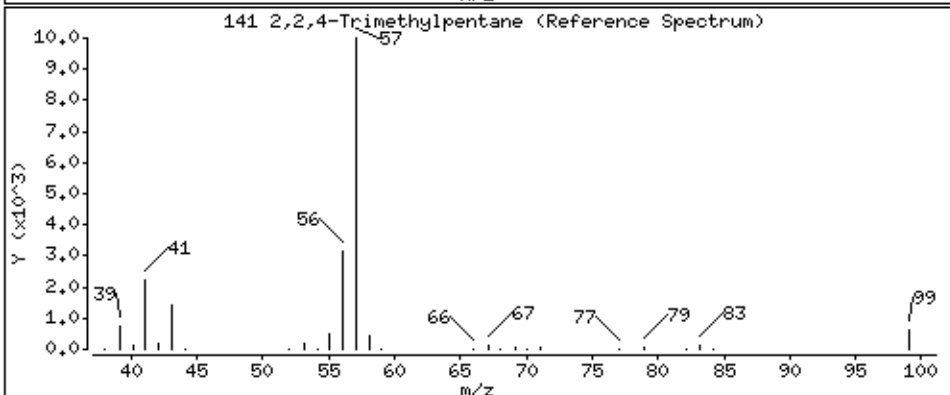
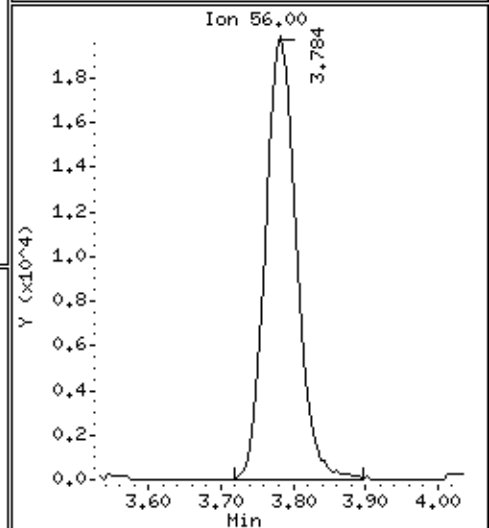
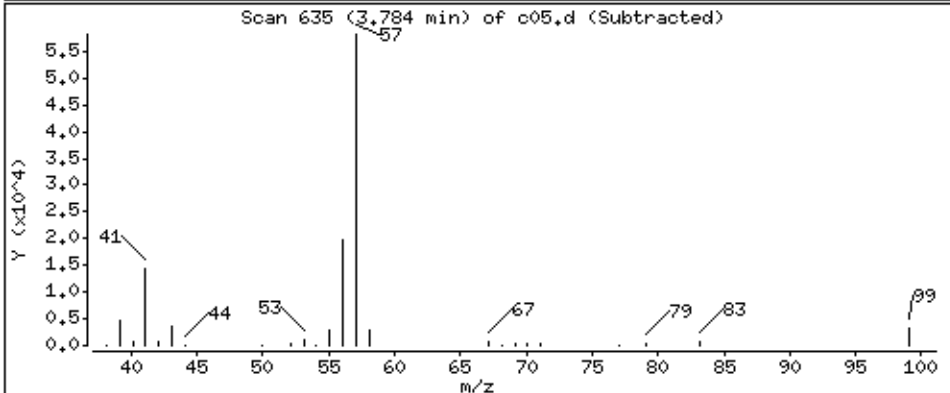
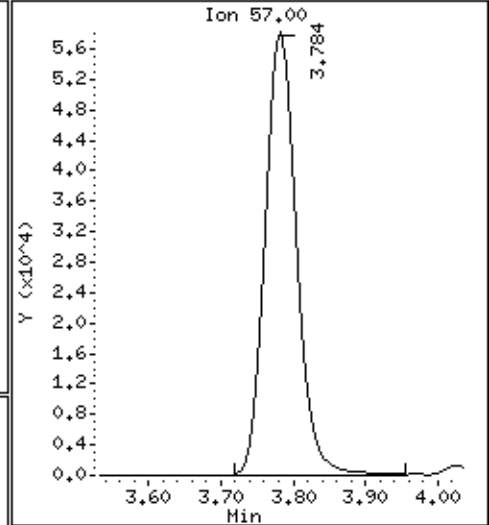
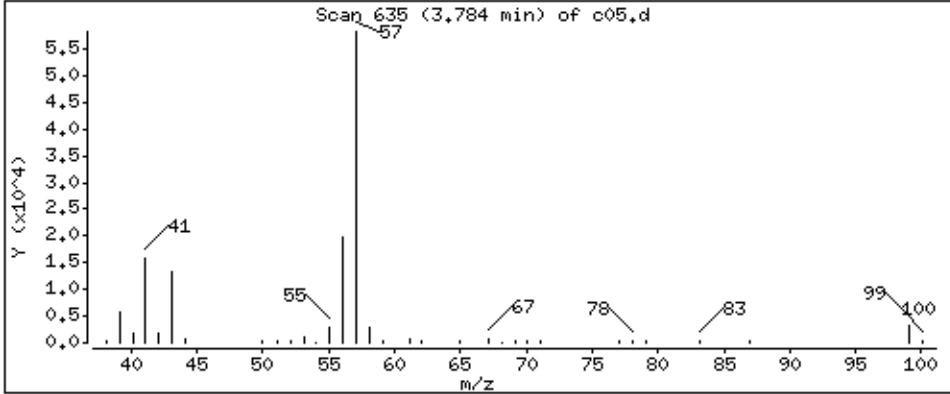
Operator: ala

Column phase: DB-624

Column diameter: 0,18

141 2,2,4-Trimethylpentane

Concentration: 76,5 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

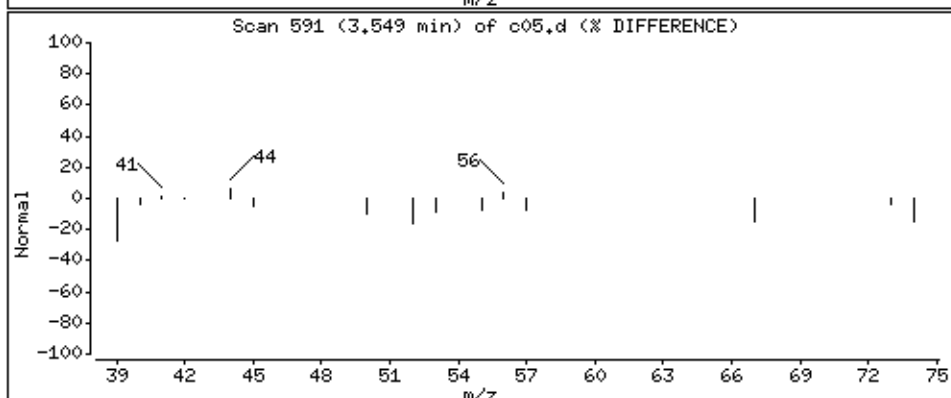
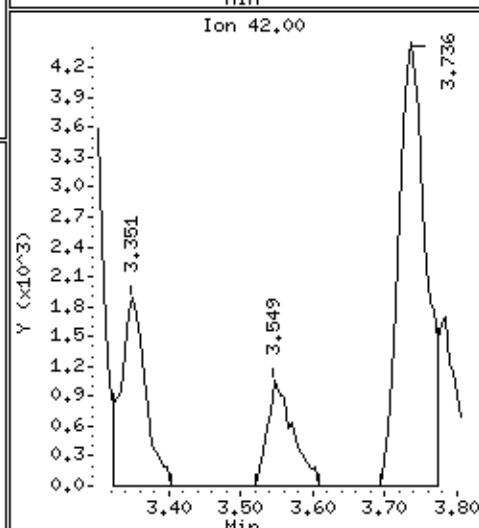
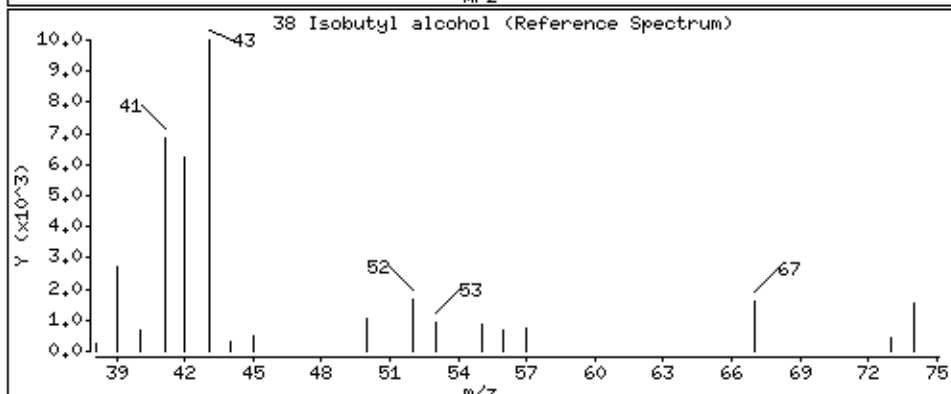
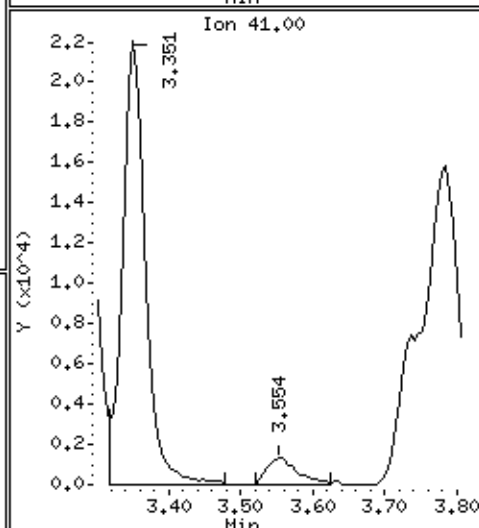
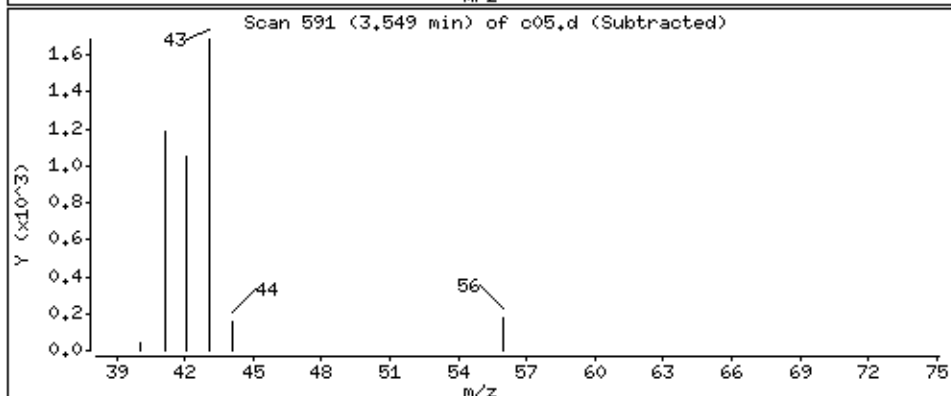
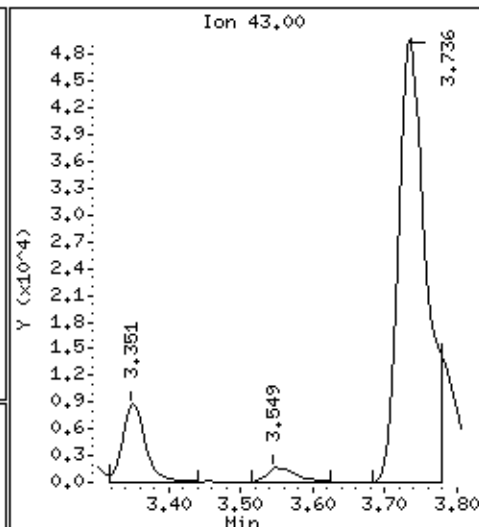
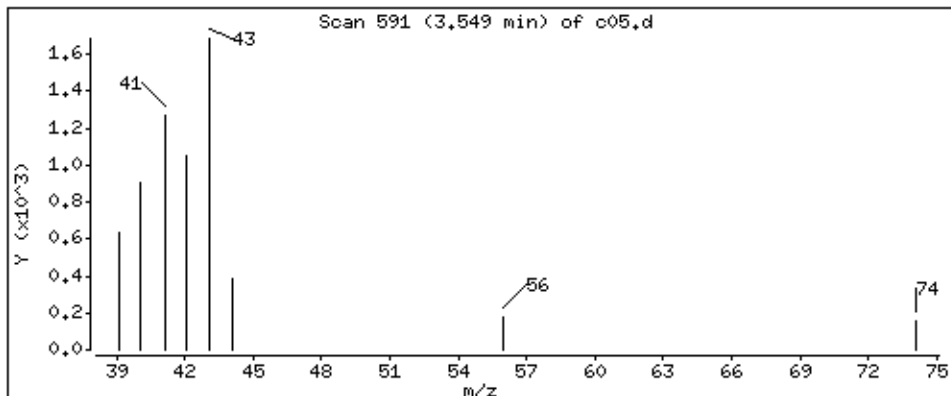
Operator: ala

Column phase: DB-624

Column diameter: 0,18

38 Isobutyl alcohol

Concentration: 156 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

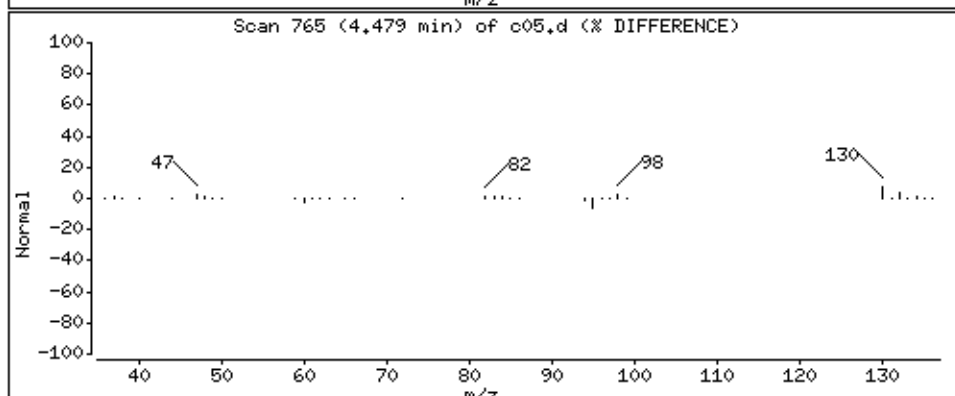
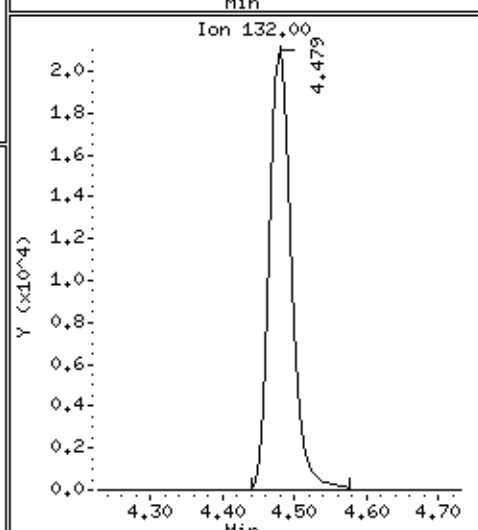
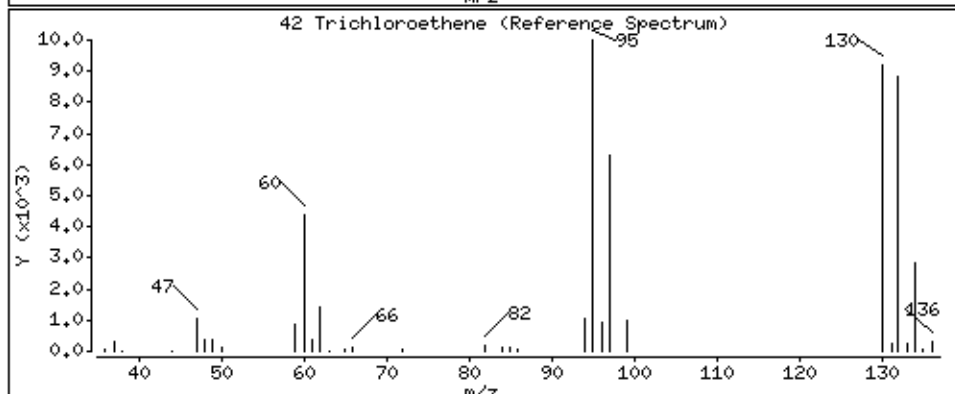
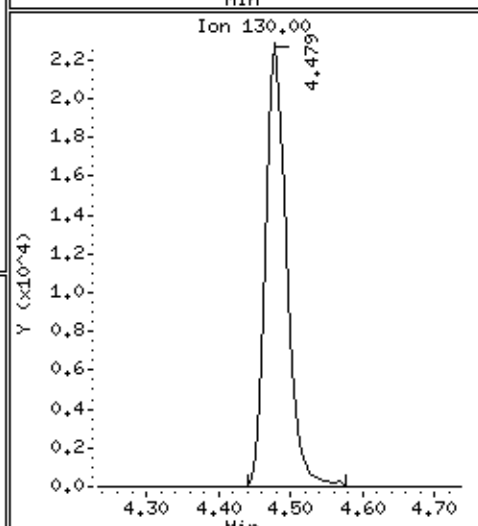
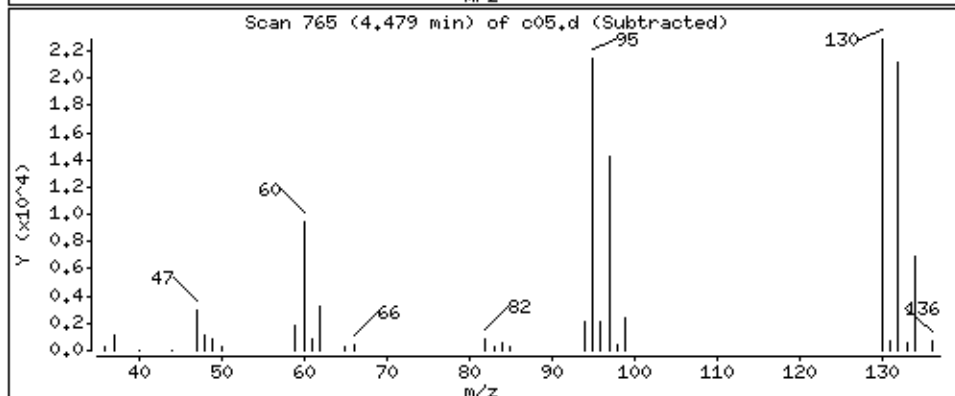
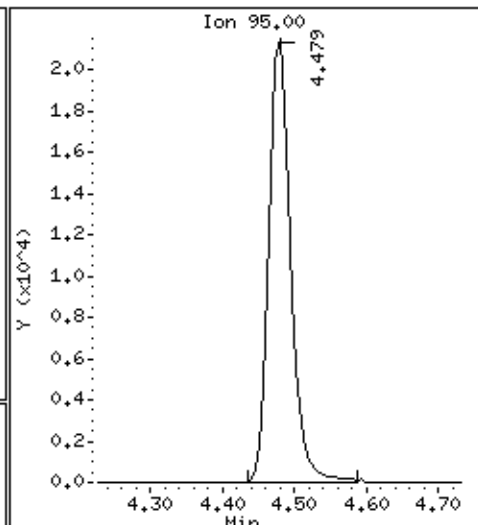
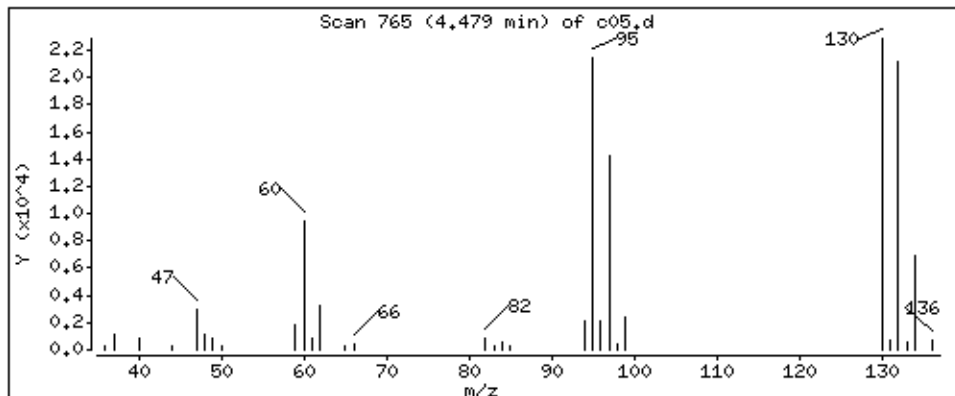
Operator: ala

Column phase: DB-624

Column diameter: 0,18

42 Trichloroethene

Concentration: 63,2 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

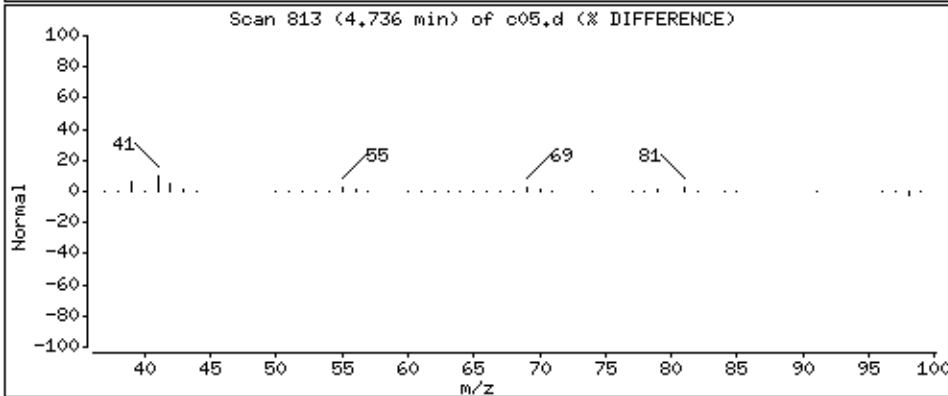
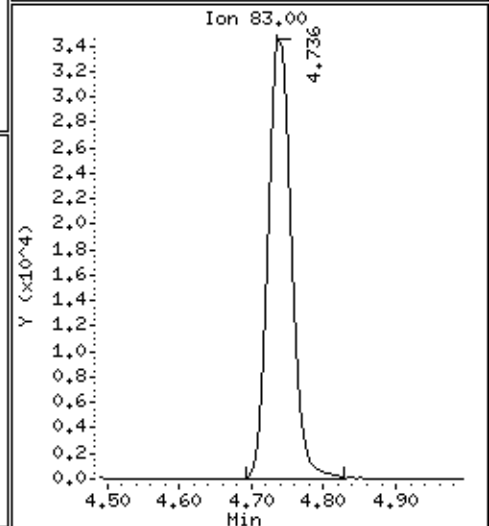
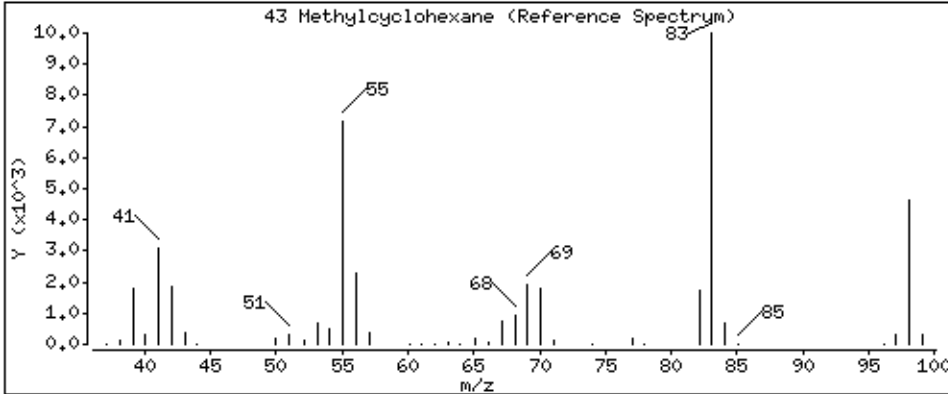
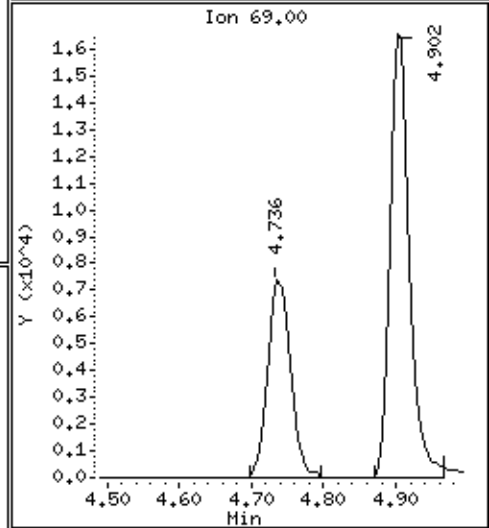
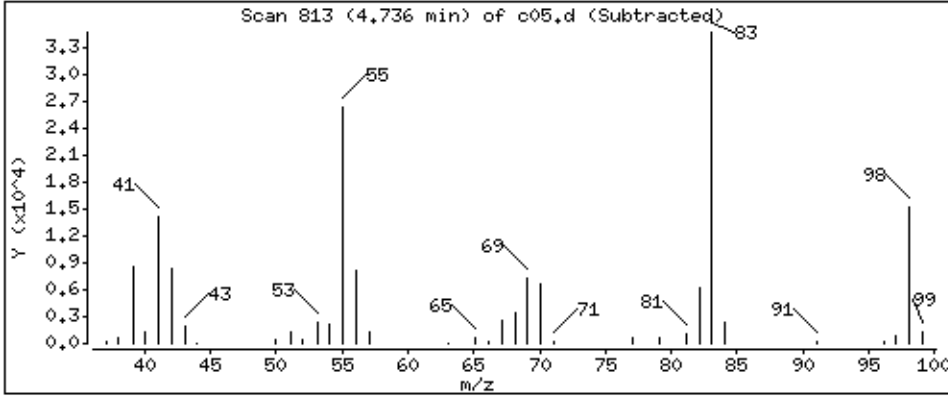
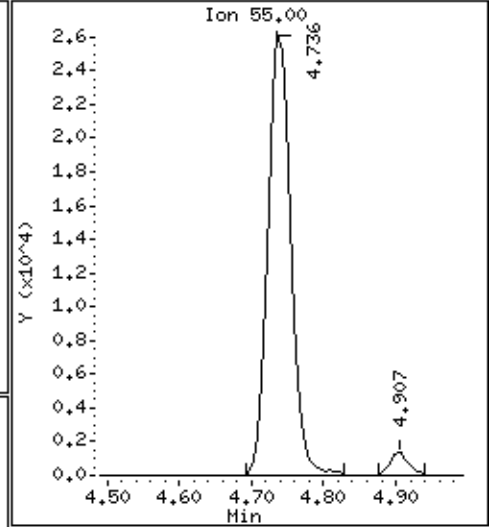
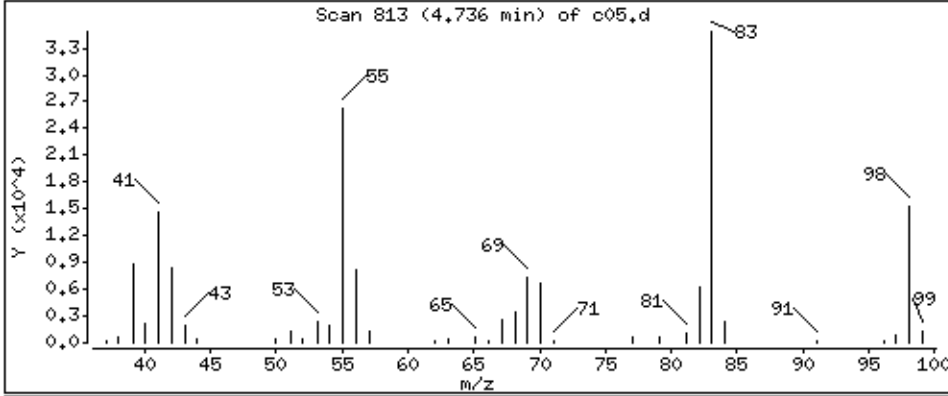
Operator: ala

Column phase: DB-624

Column diameter: 0,18

43 Methylcyclohexane

Concentration: 60,3 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

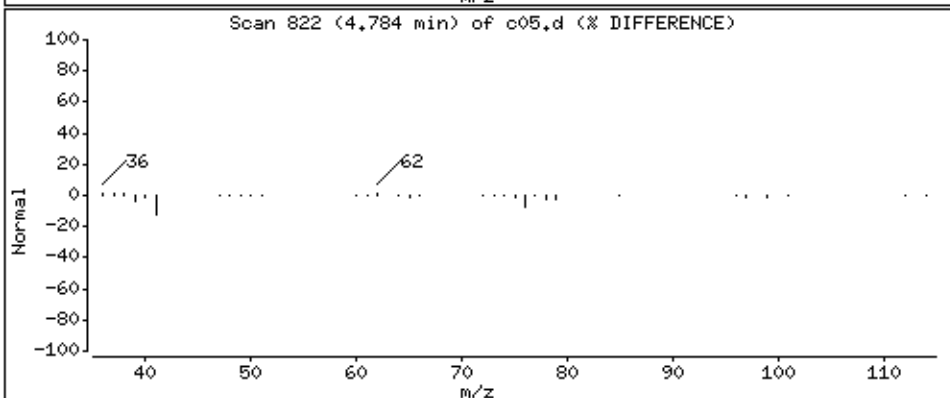
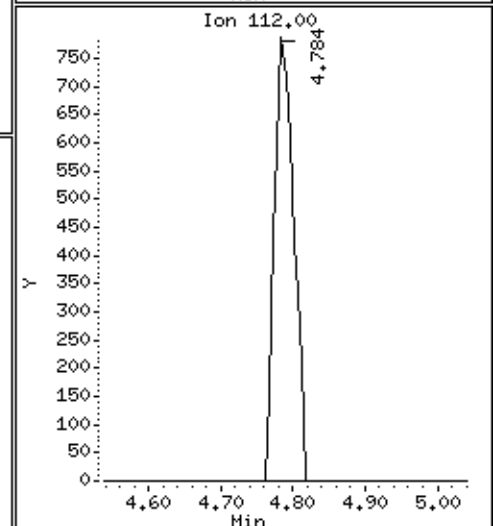
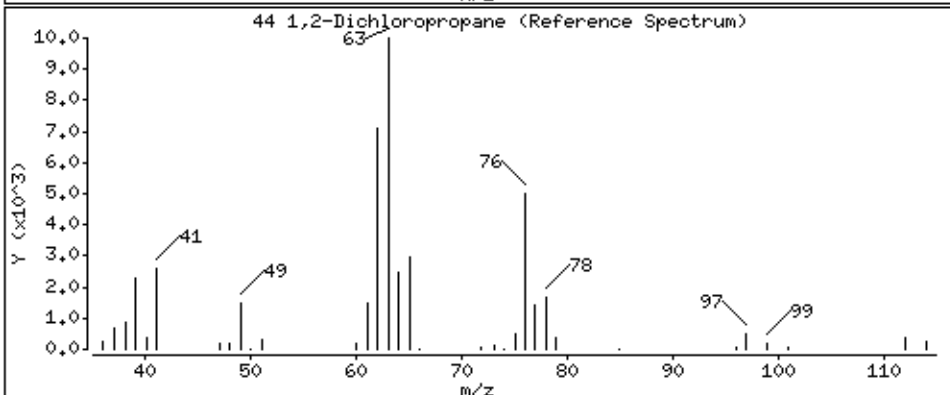
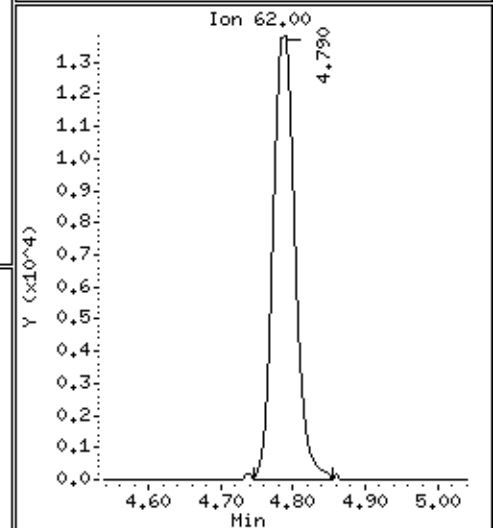
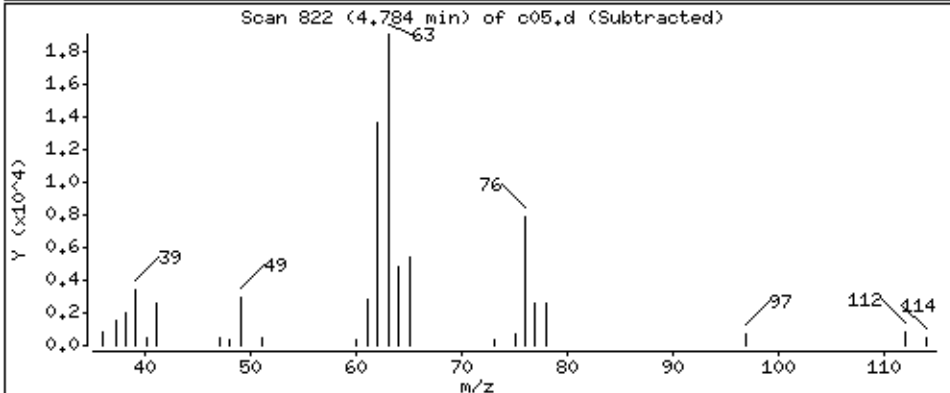
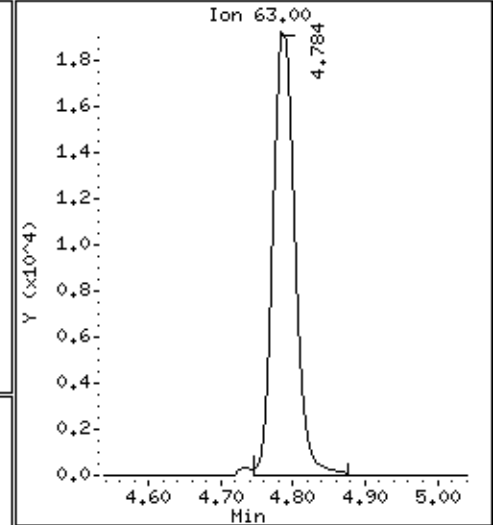
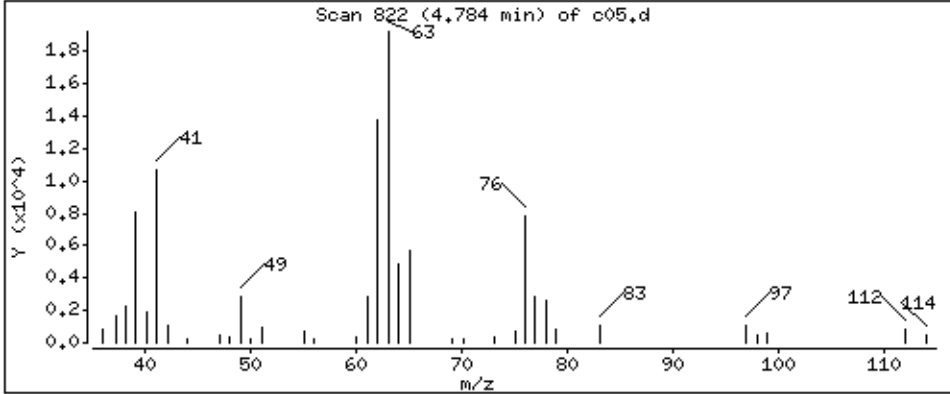
Operator: ala

Column phase: DB-624

Column diameter: 0,18

44 1,2-Dichloropropane

Concentration: 62.1 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

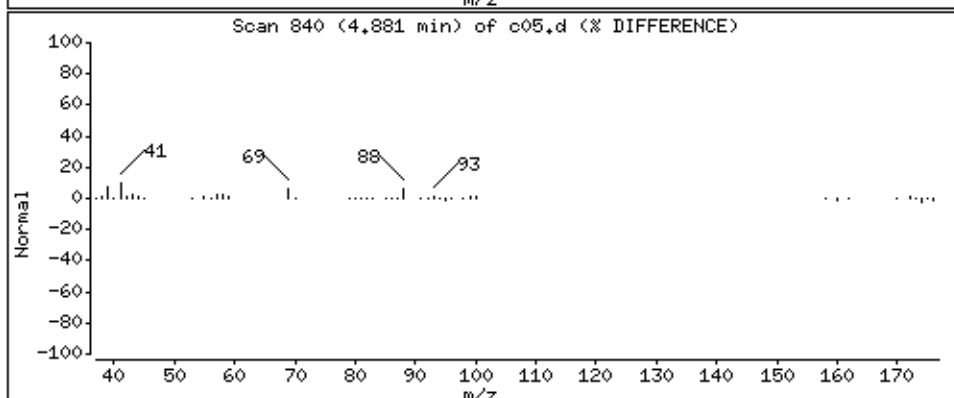
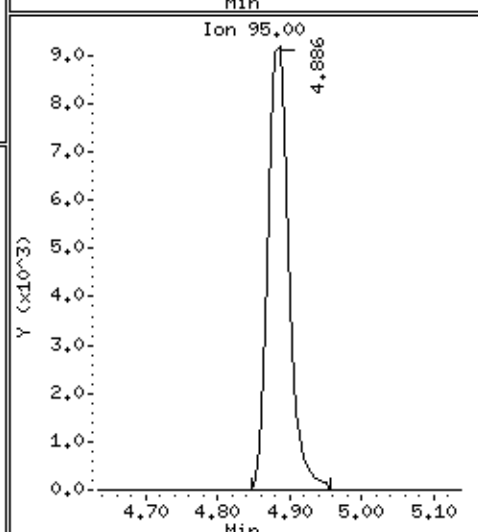
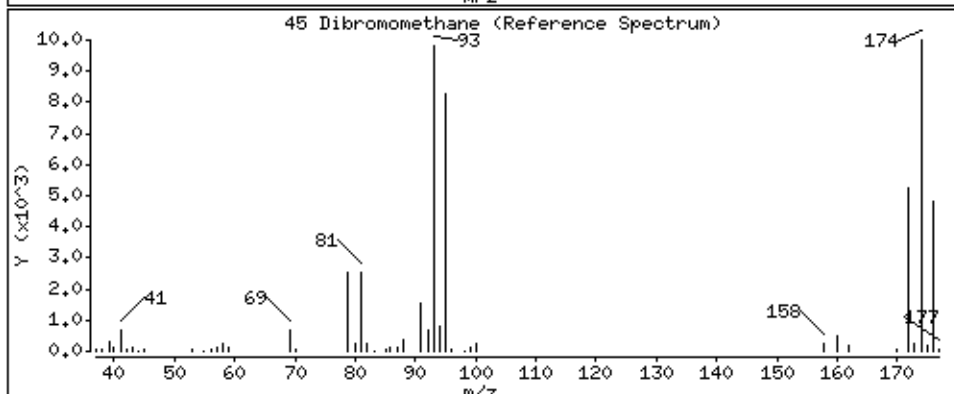
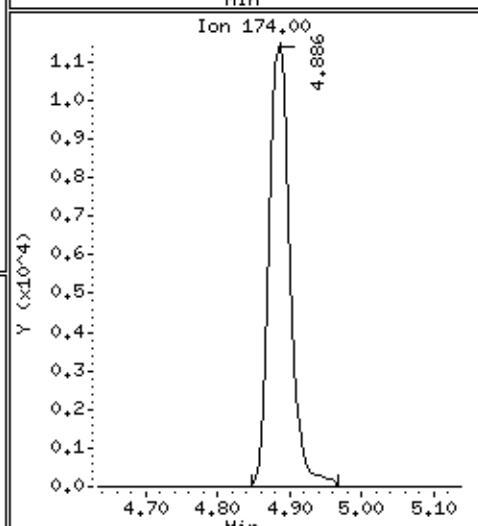
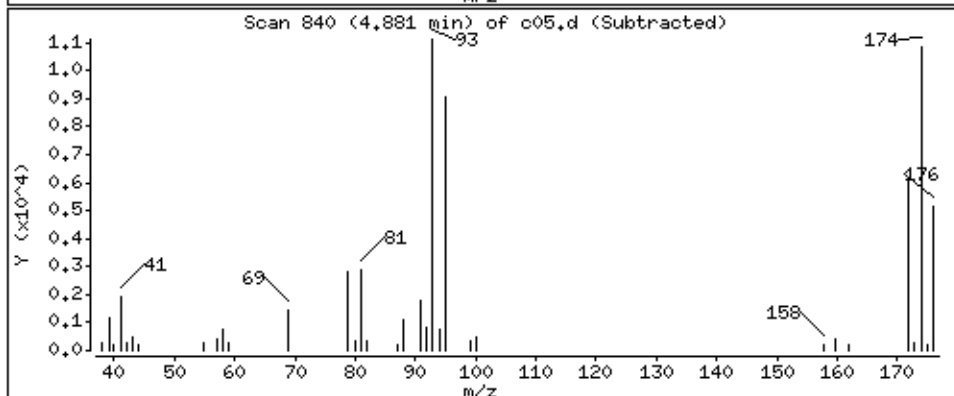
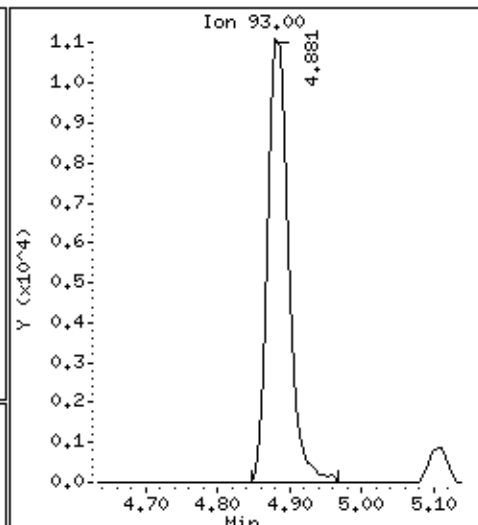
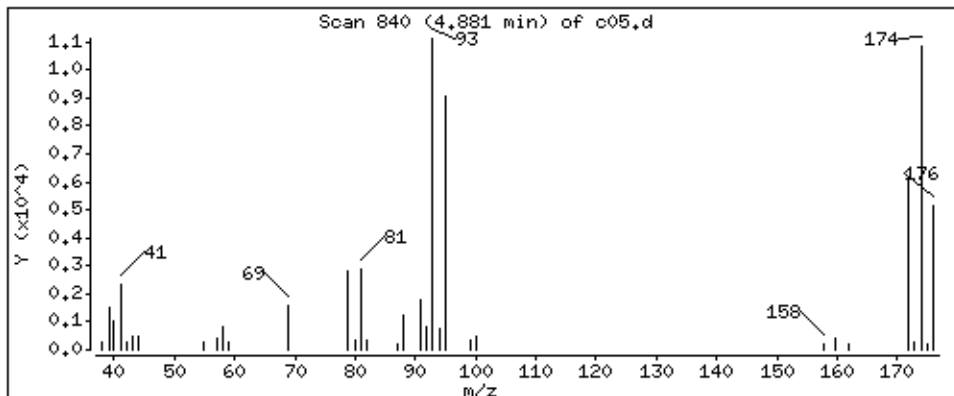
Operator: ala

Column phase: DB-624

Column diameter: 0,18

45 Dibromomethane

Concentration: 59,2 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

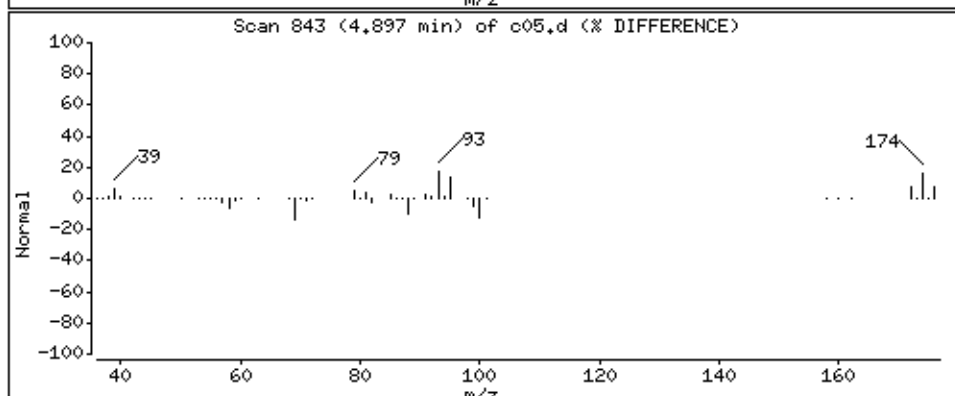
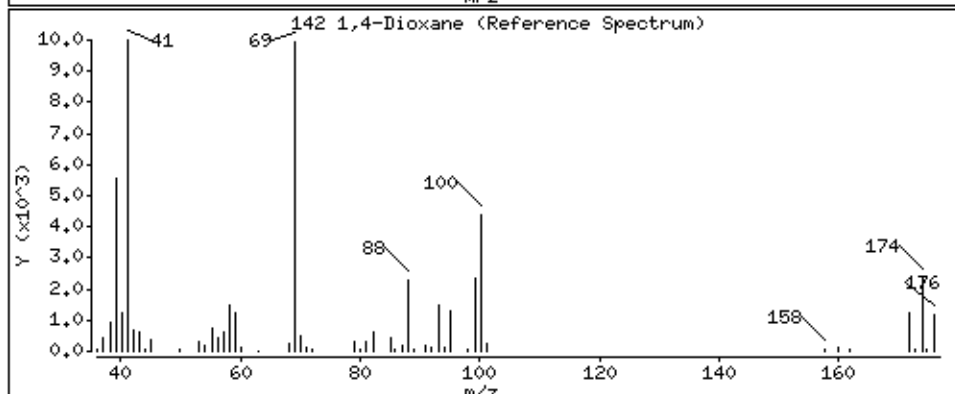
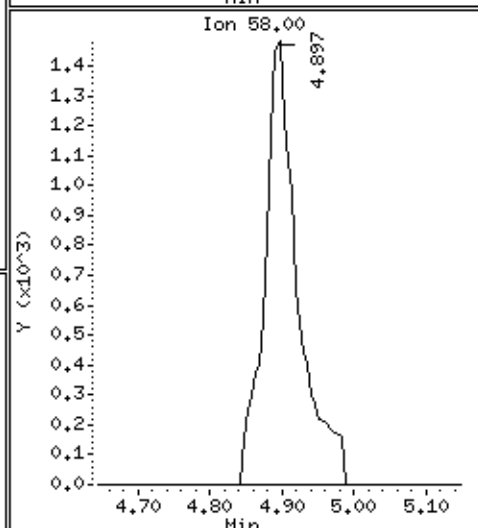
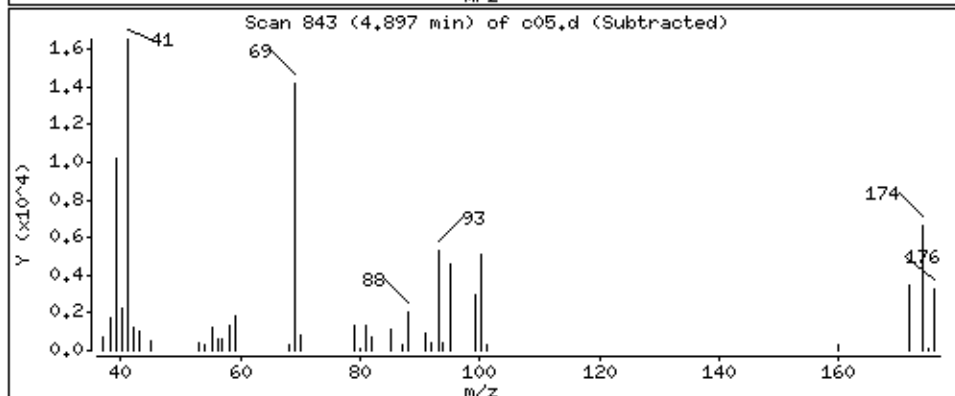
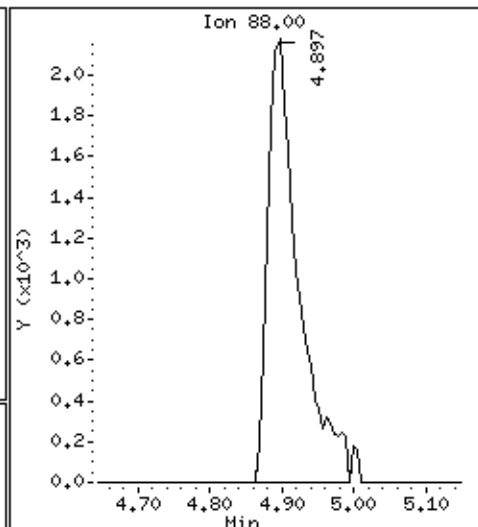
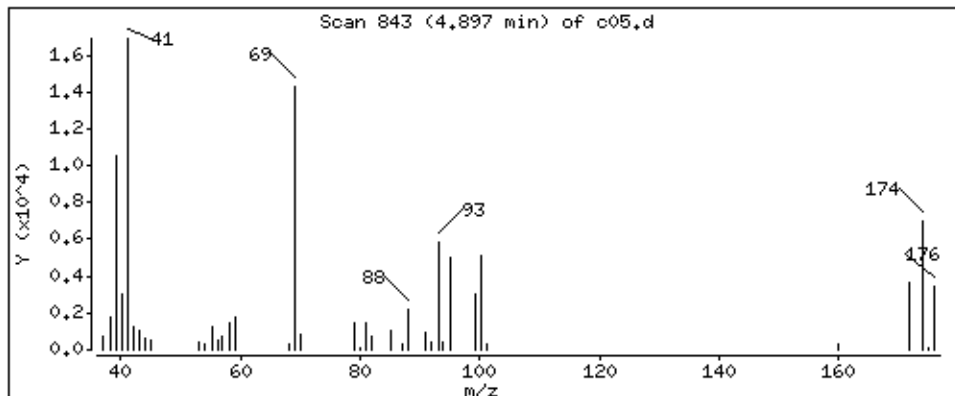
Operator: ala

Column phase: DB-624

Column diameter: 0,18

142 1,4-Dioxane

Concentration: 845 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

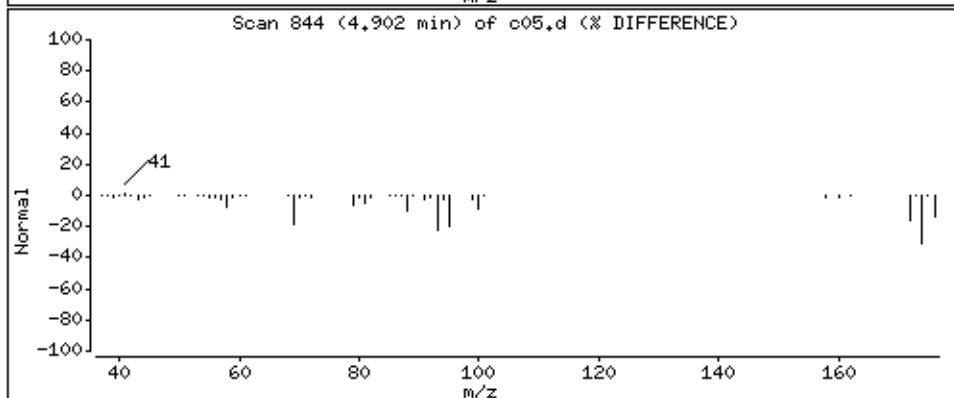
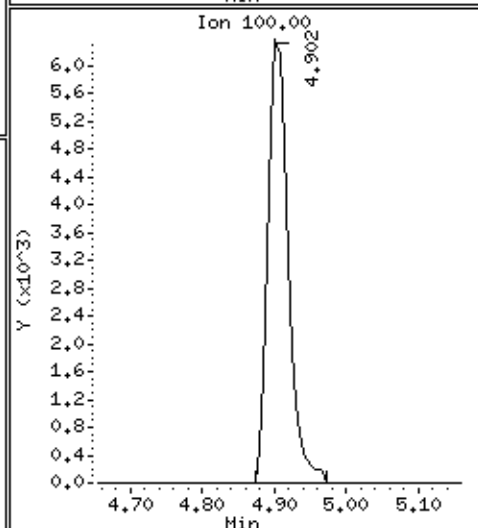
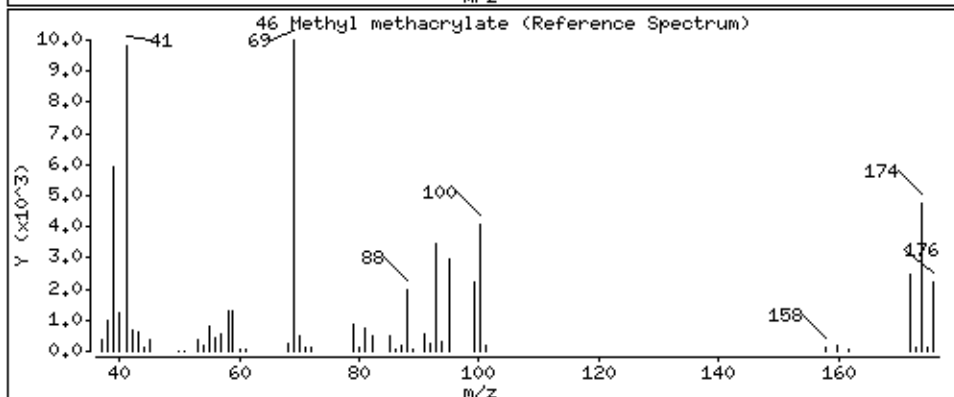
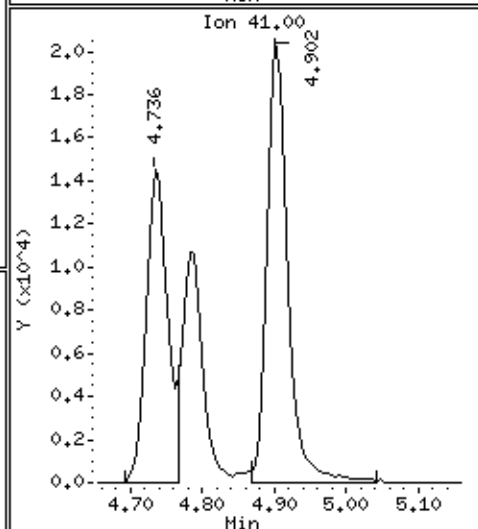
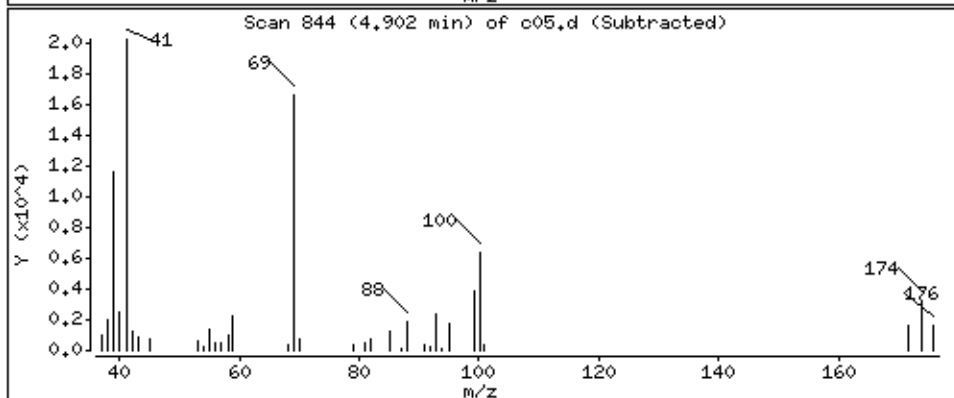
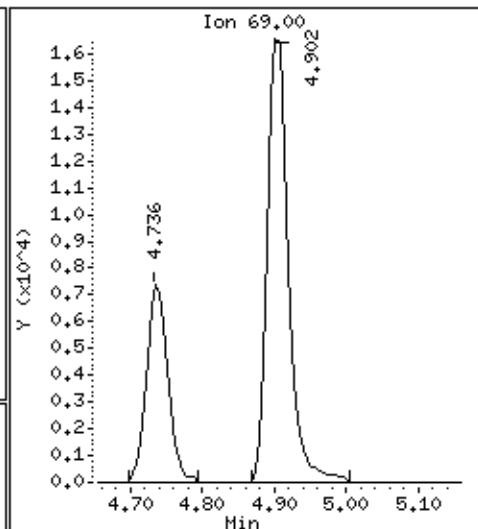
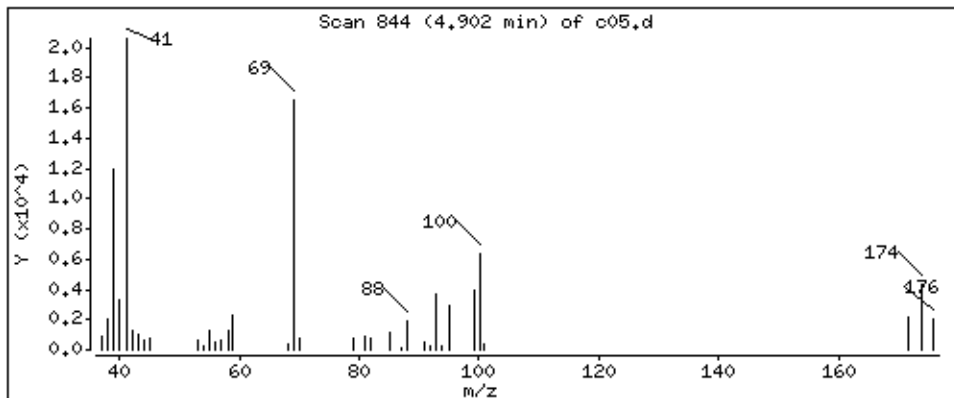
Operator: ala

Column phase: DB-624

Column diameter: 0,18

46 Methyl methacrylate

Concentration: 84,3 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

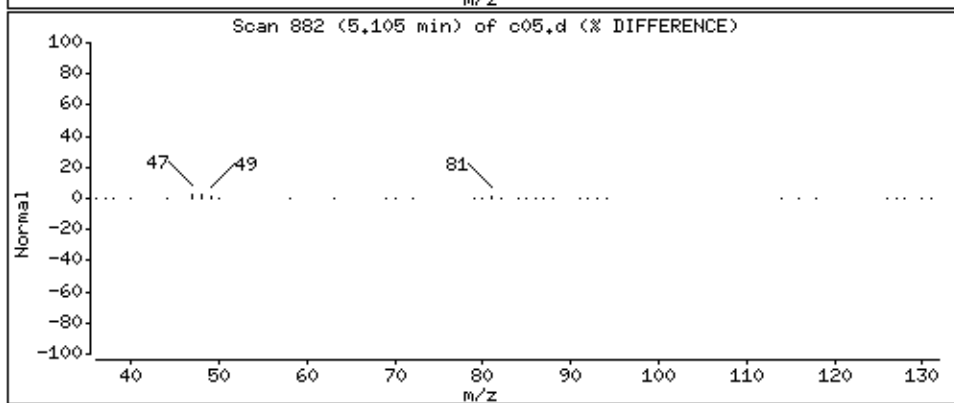
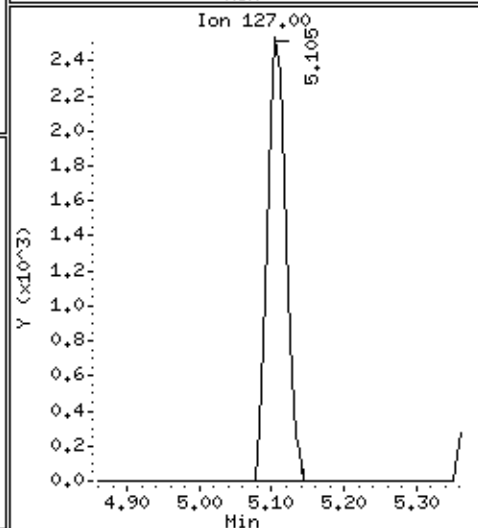
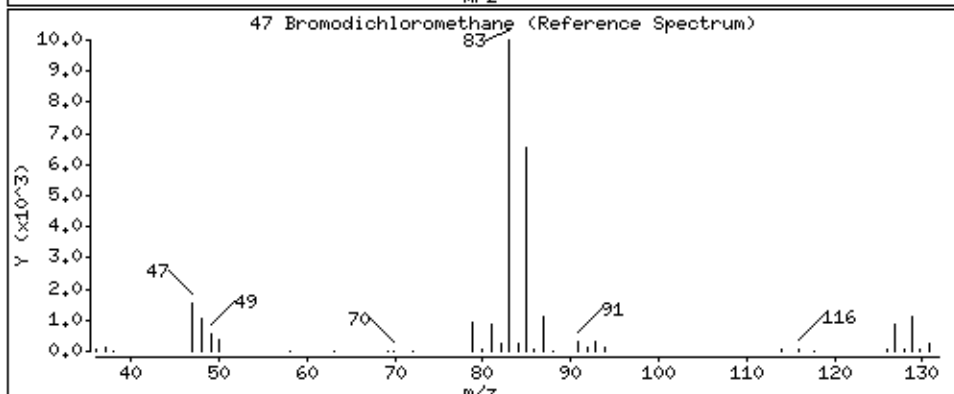
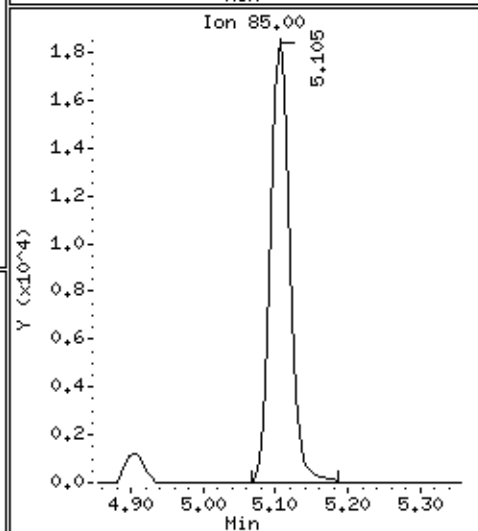
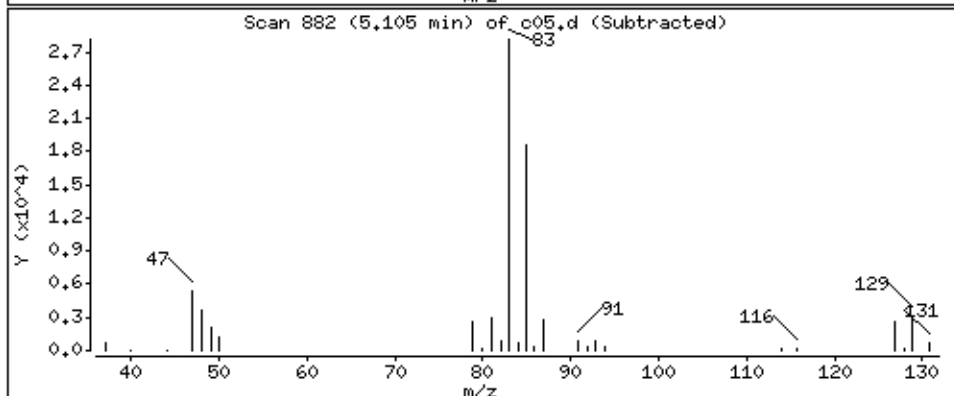
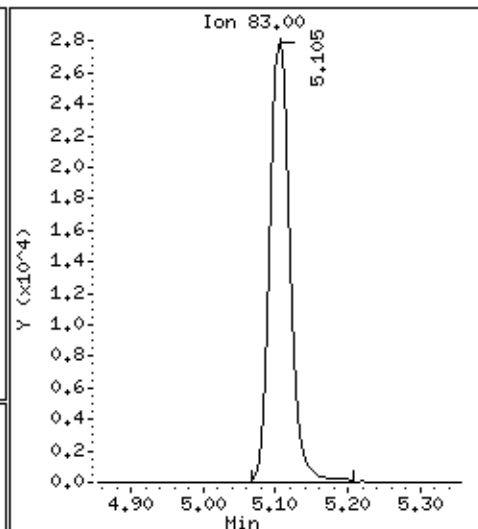
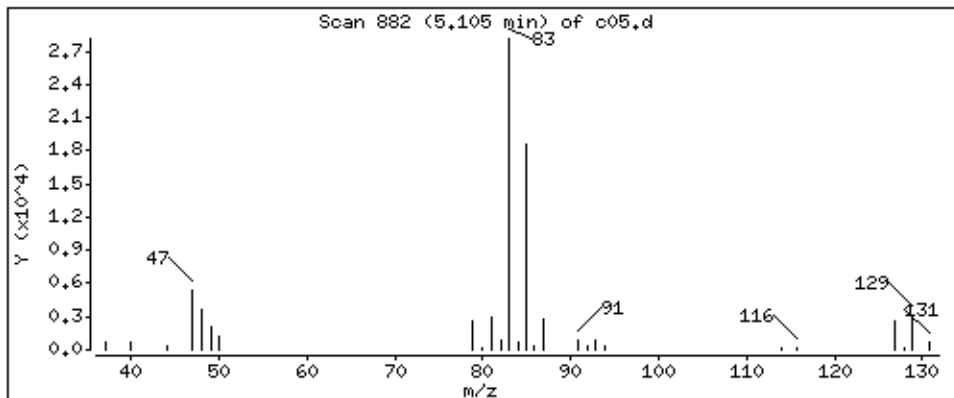
Operator: ala

Column phase: DB-624

Column diameter: 0,18

47 Bromodichloromethane

Concentration: 59,2 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

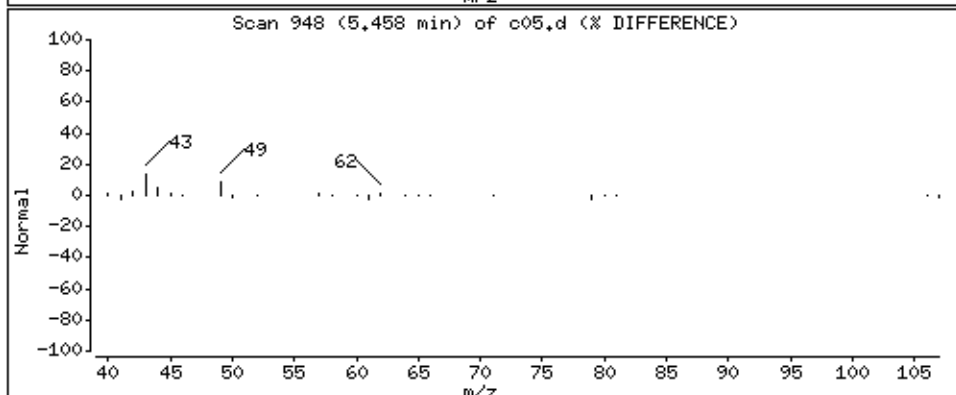
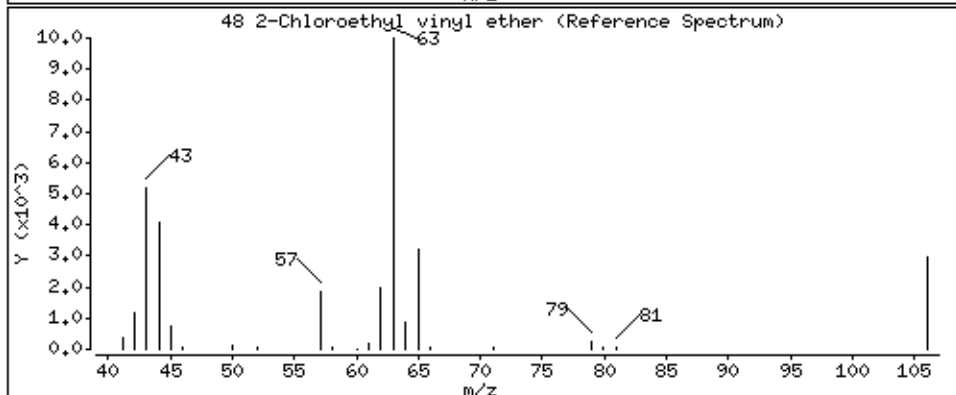
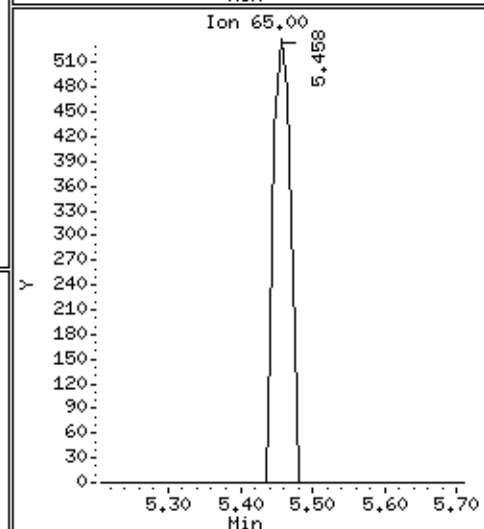
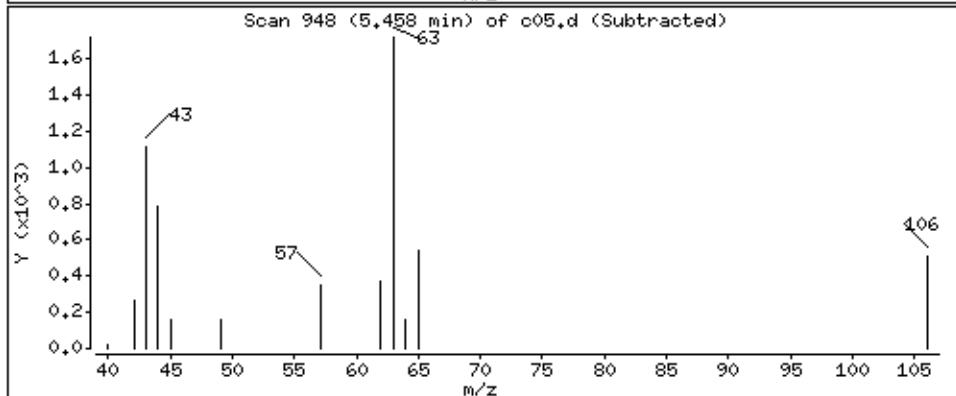
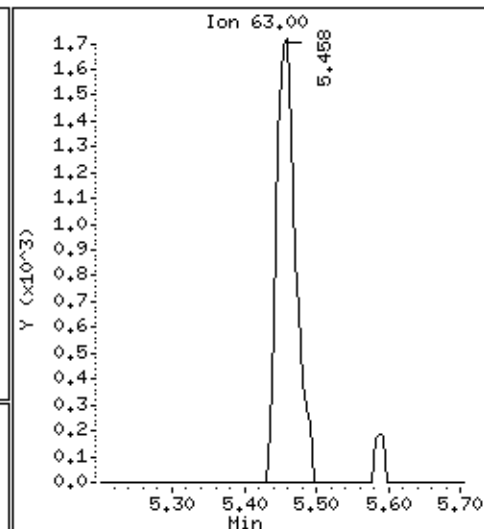
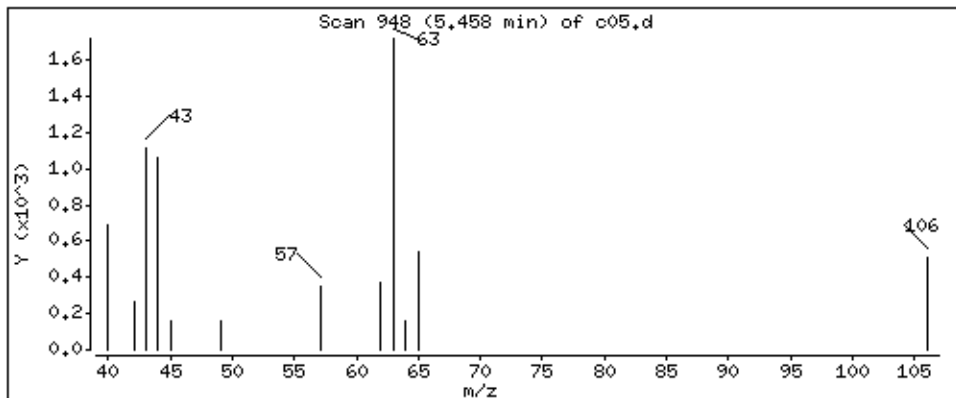
Operator: ala

Column phase: DB-624

Column diameter: 0,18

48 2-Chloroethyl vinyl ether

Concentration: 29,2 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

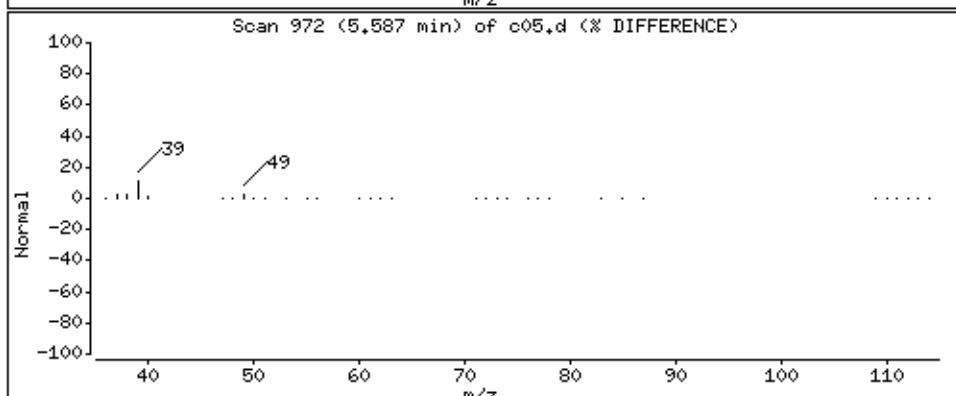
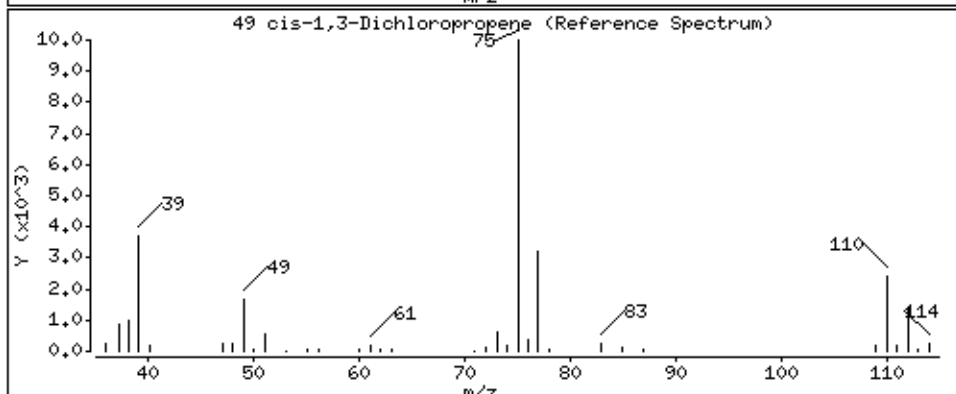
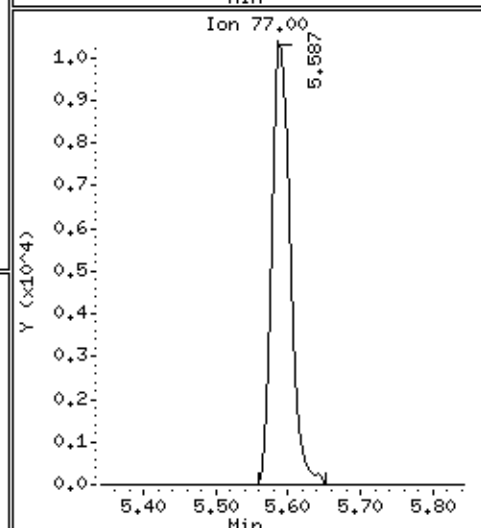
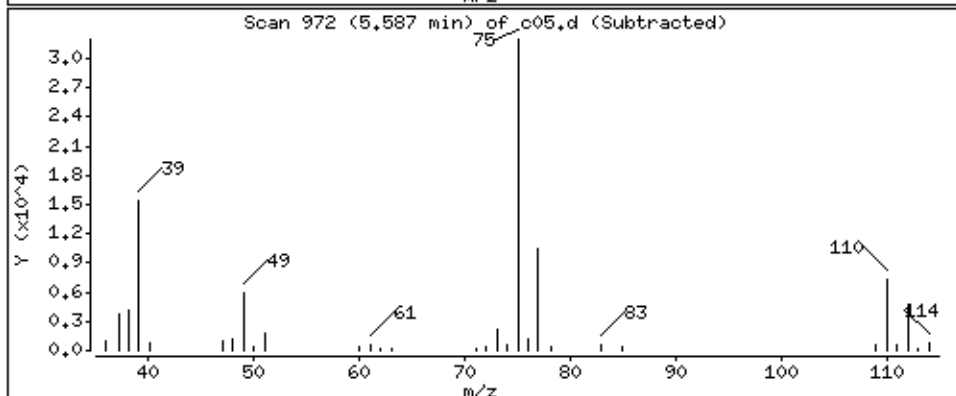
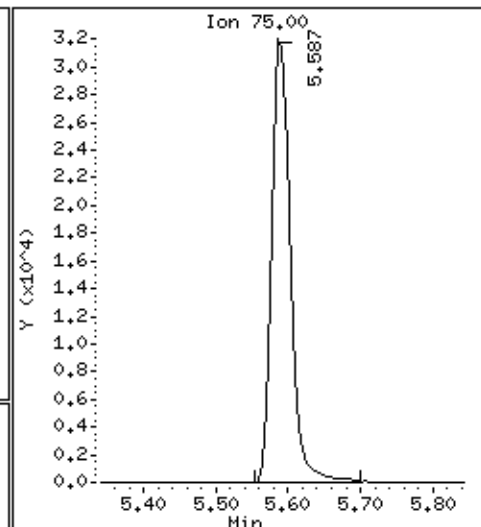
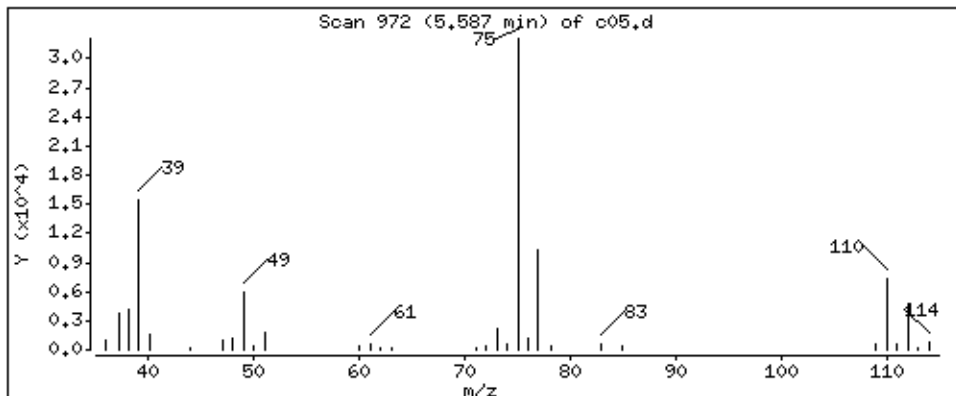
Operator: ala

Column phase: DB-624

Column diameter: 0,18

49 cis-1,3-Dichloropropene

Concentration: 58,8 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

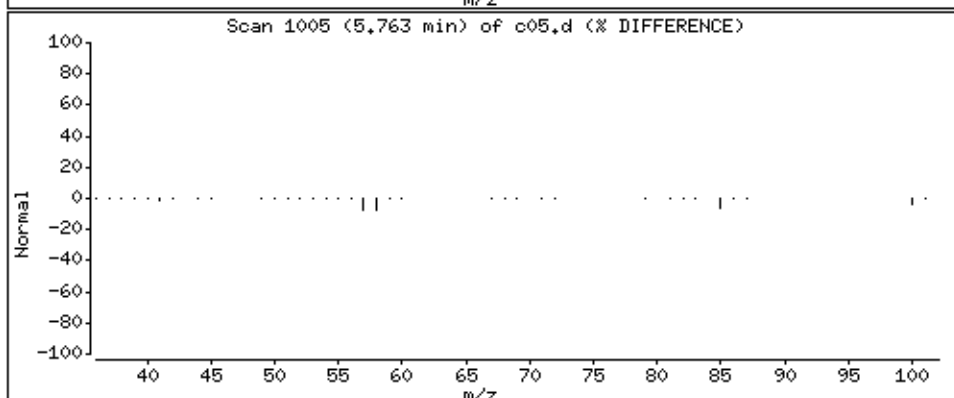
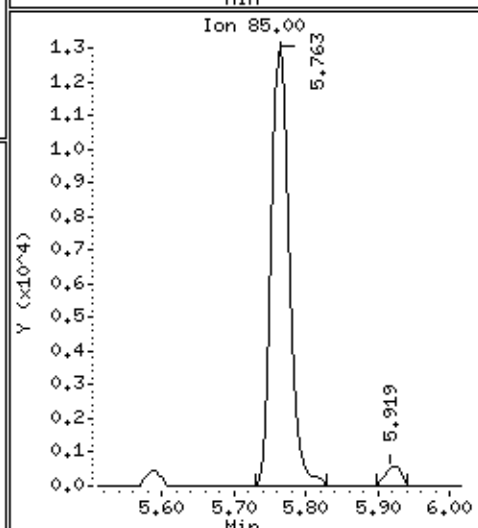
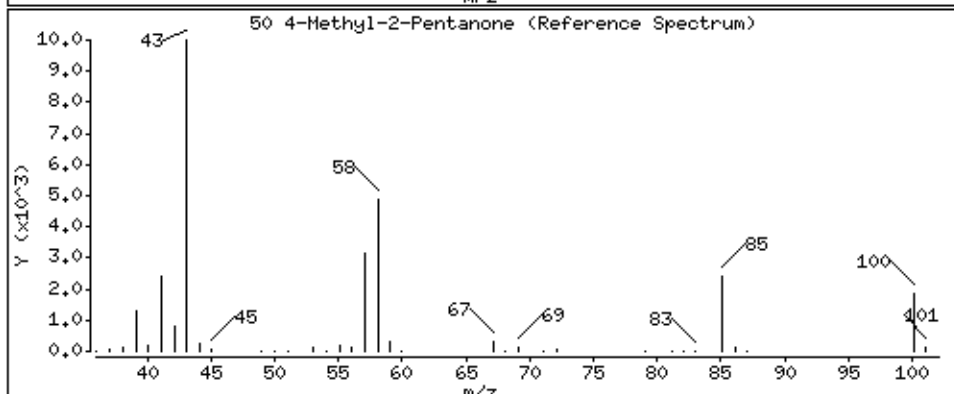
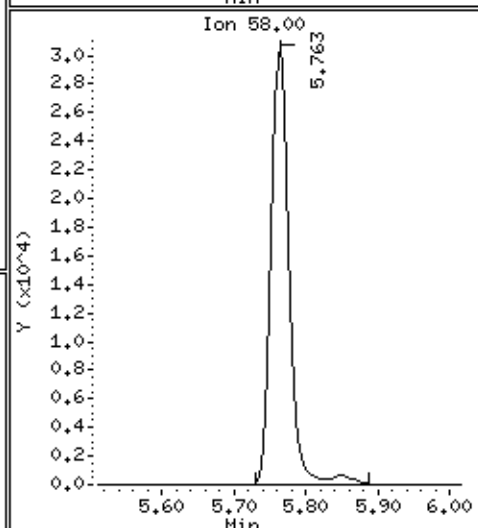
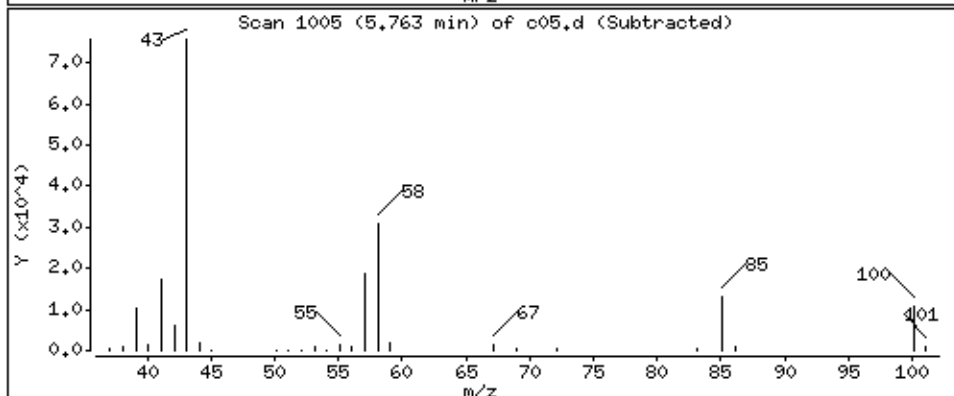
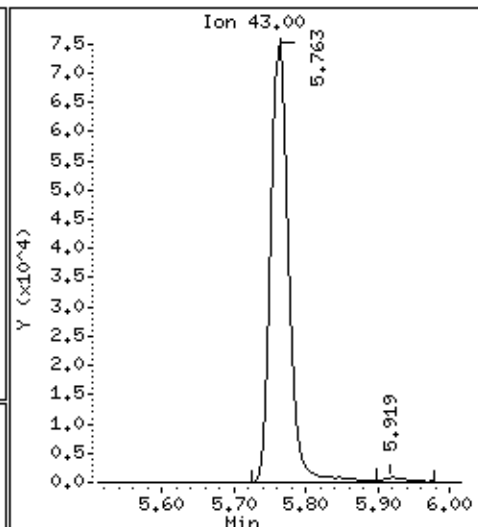
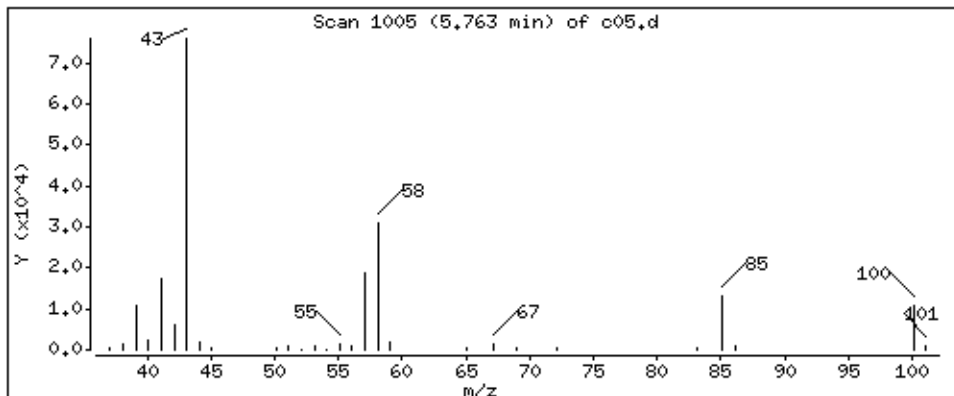
Operator: ala

Column phase: DB-624

Column diameter: 0,18

50 4-Methyl-2-Pentanone

Concentration: 249 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

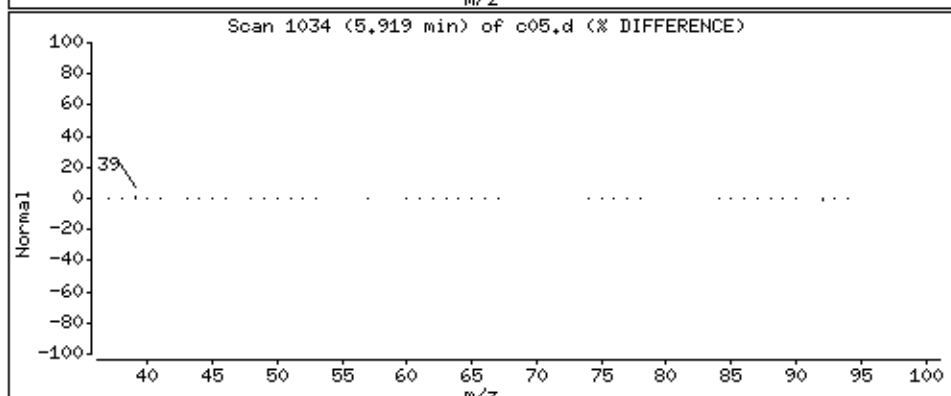
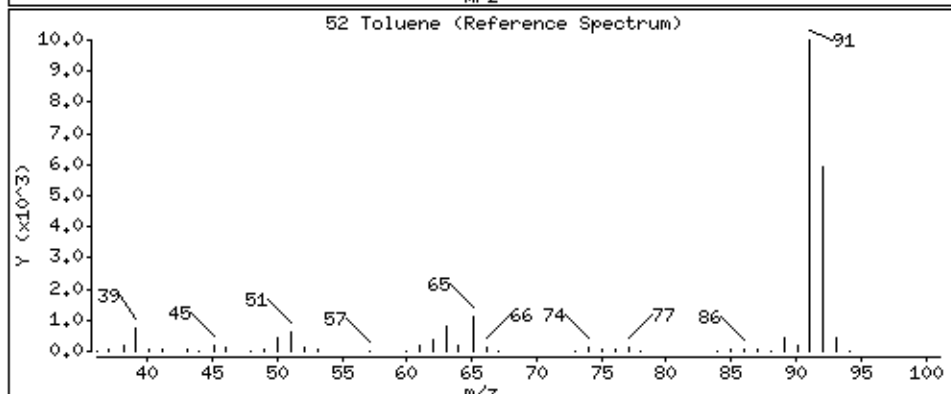
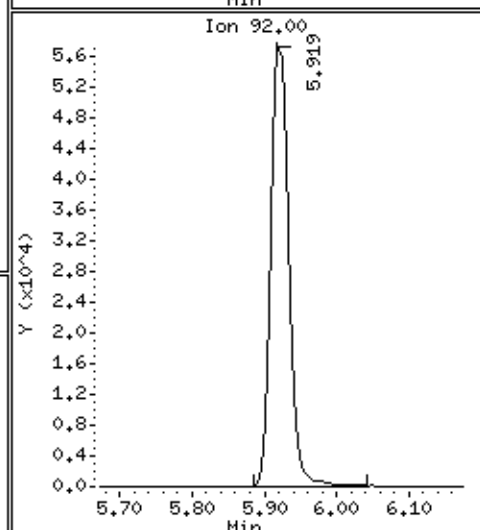
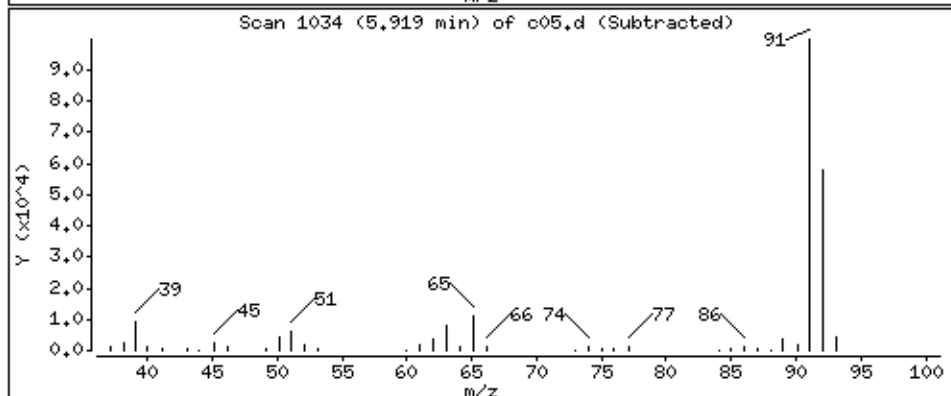
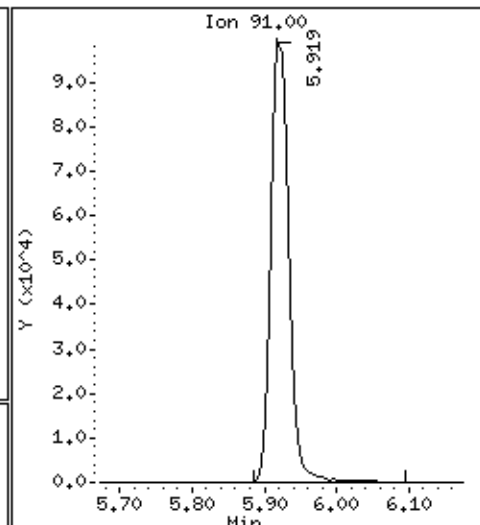
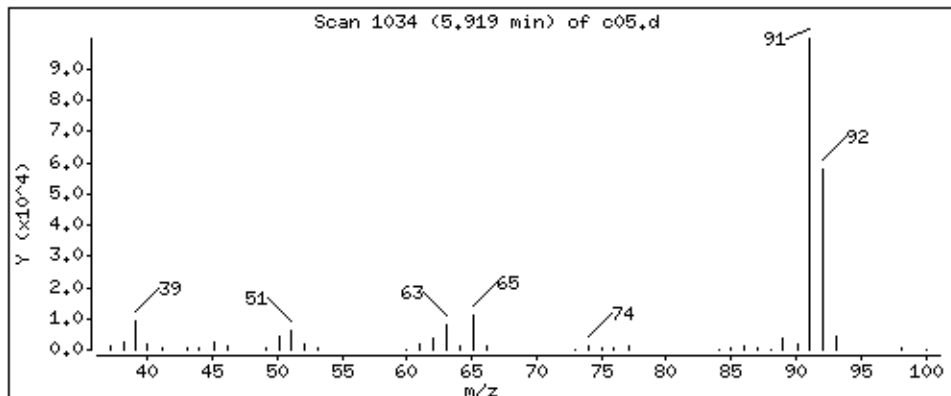
Operator: ala

Column phase: DB-624

Column diameter: 0,18

52 Toluene

Concentration: 62.2 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

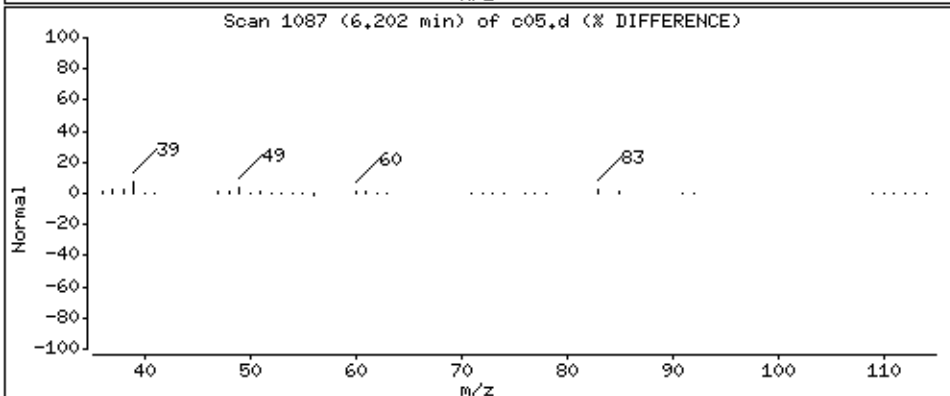
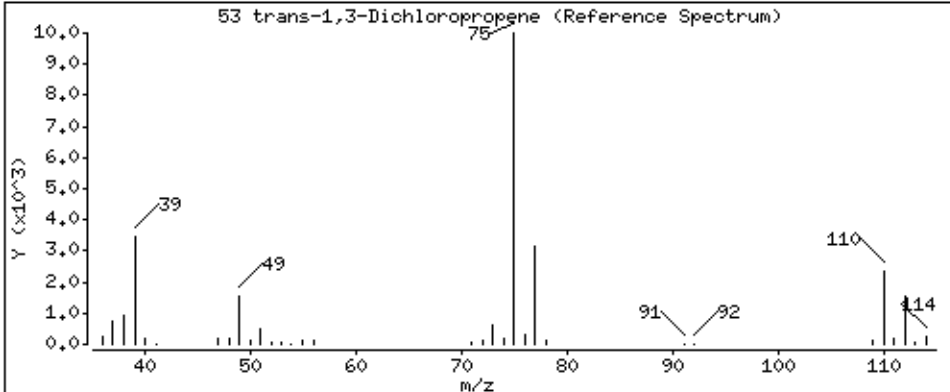
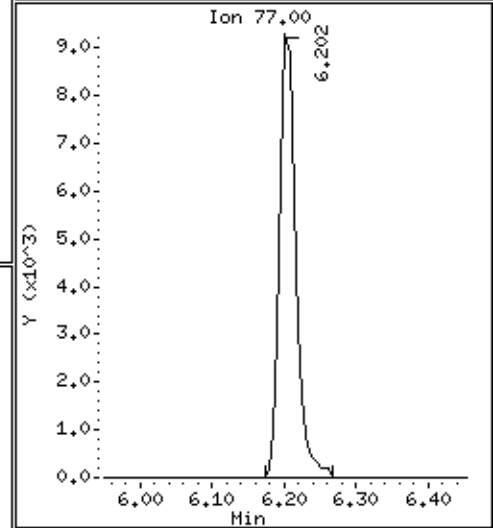
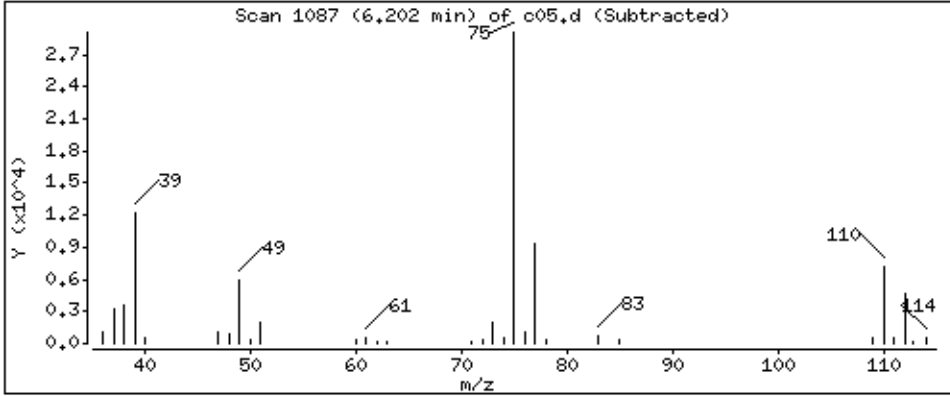
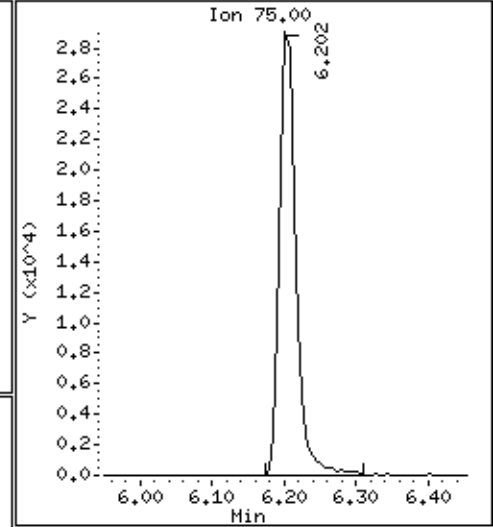
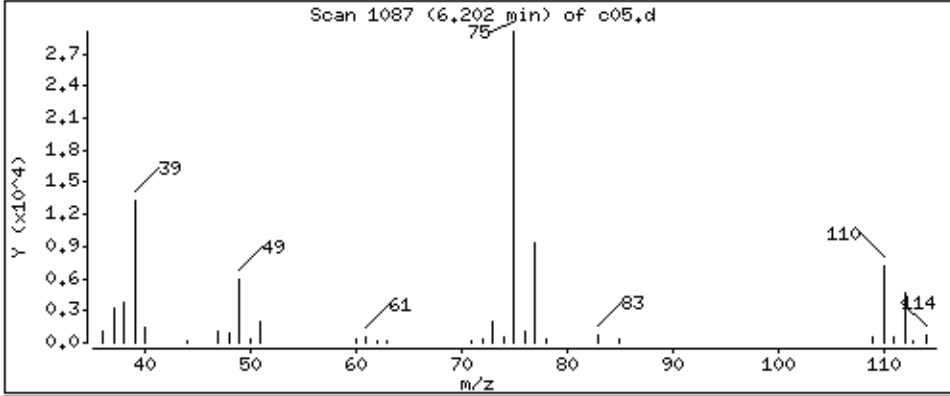
Operator: ala

Column phase: DB-624

Column diameter: 0,18

53 trans-1,3-Dichloropropene

Concentration: 48,1 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

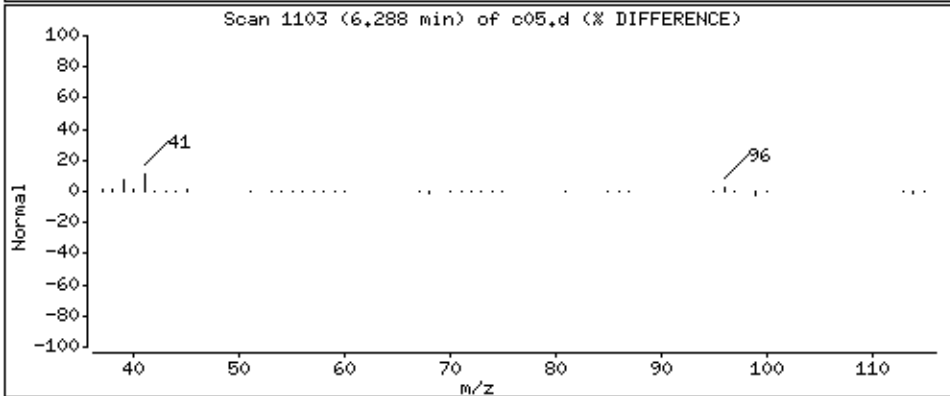
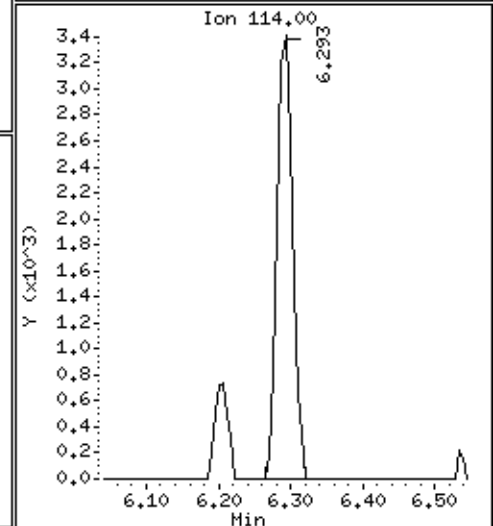
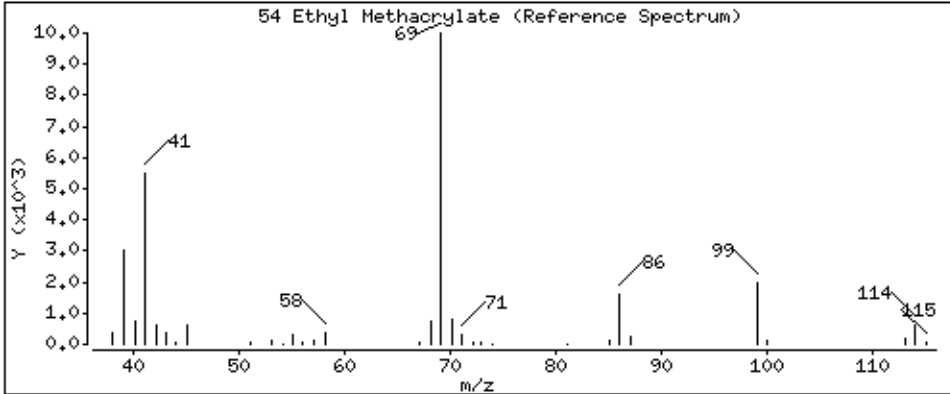
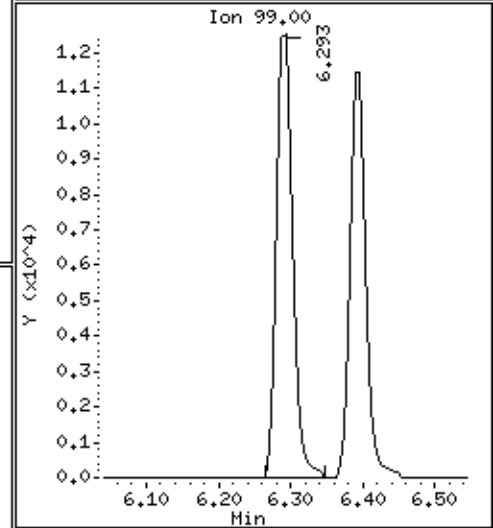
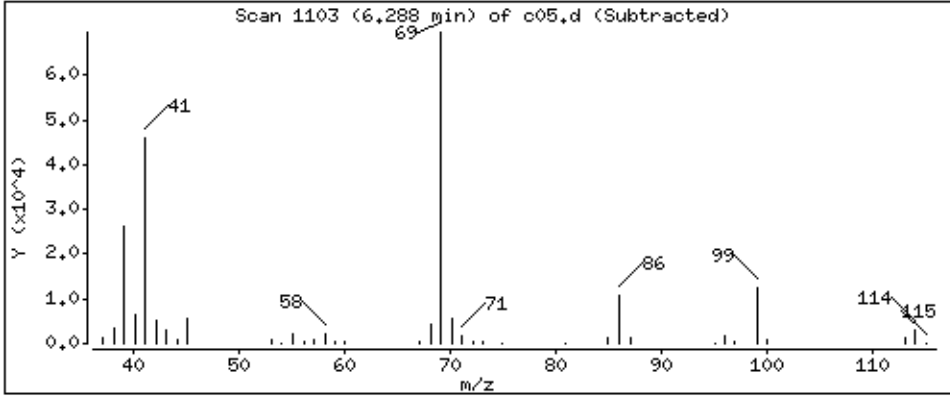
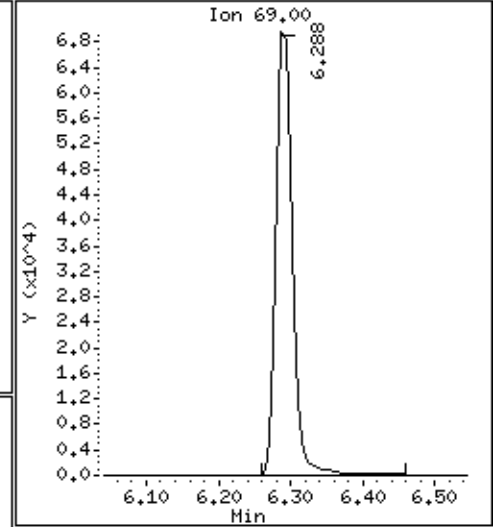
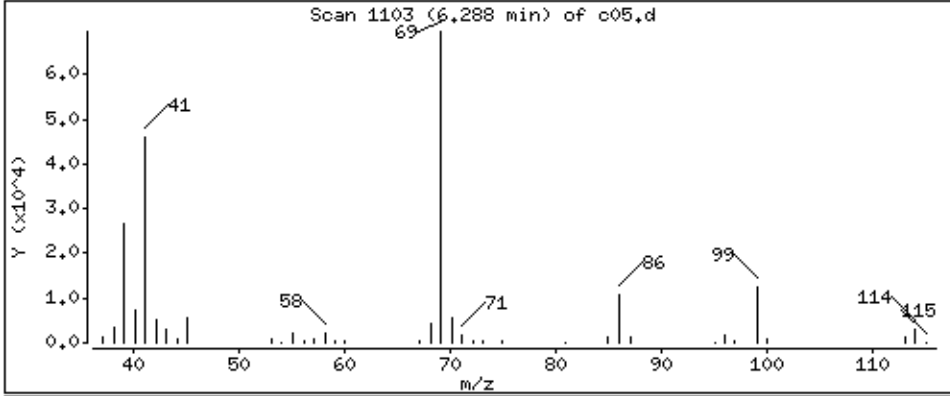
Operator: ala

Column phase: DB-624

Column diameter: 0,18

54 Ethyl Methacrylate

Concentration: 148 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

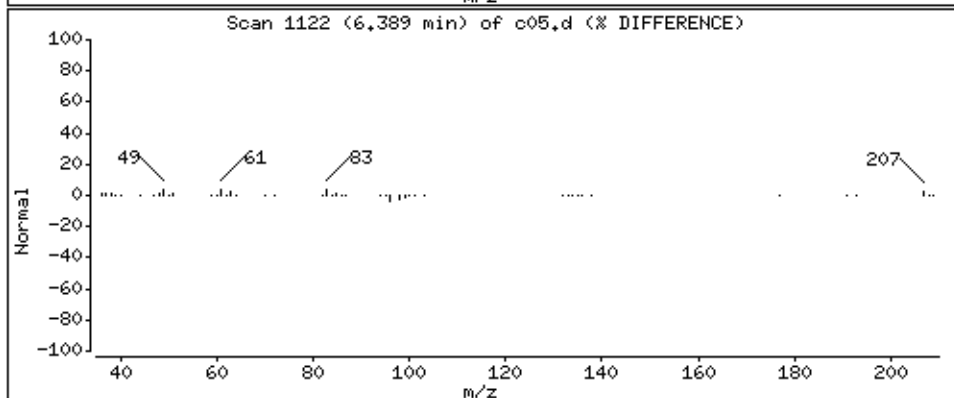
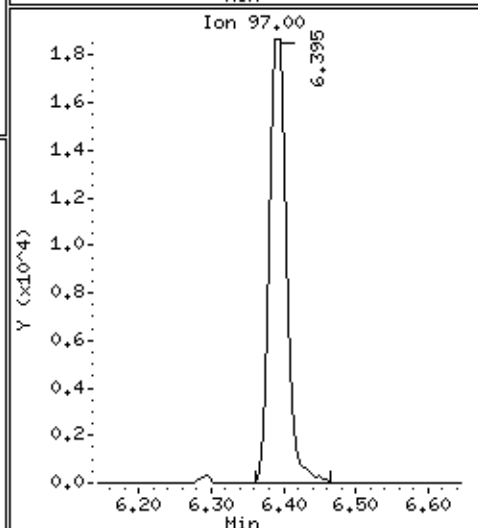
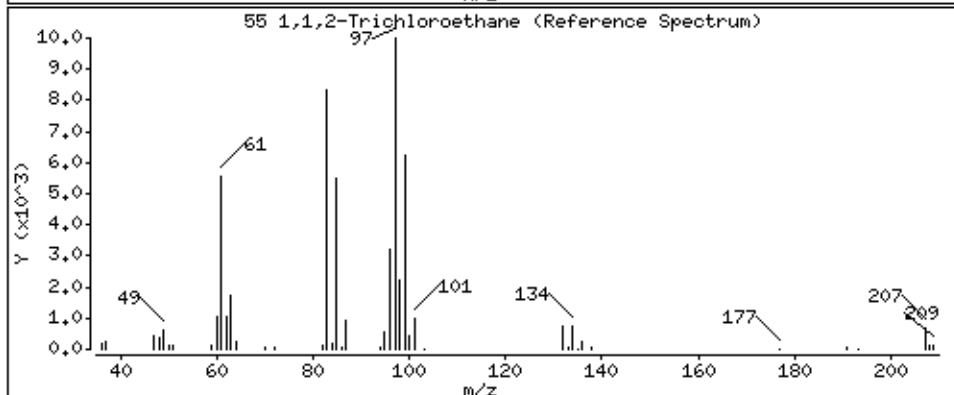
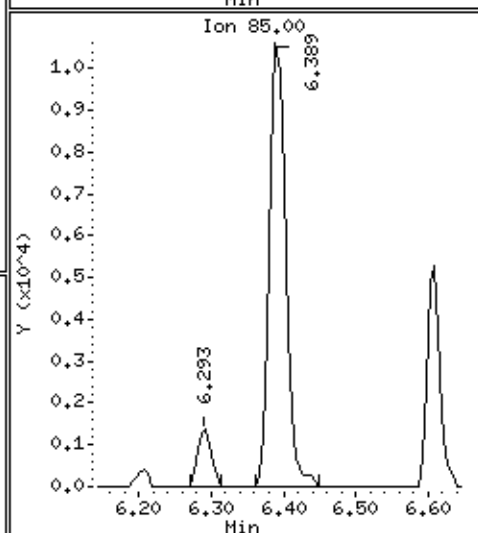
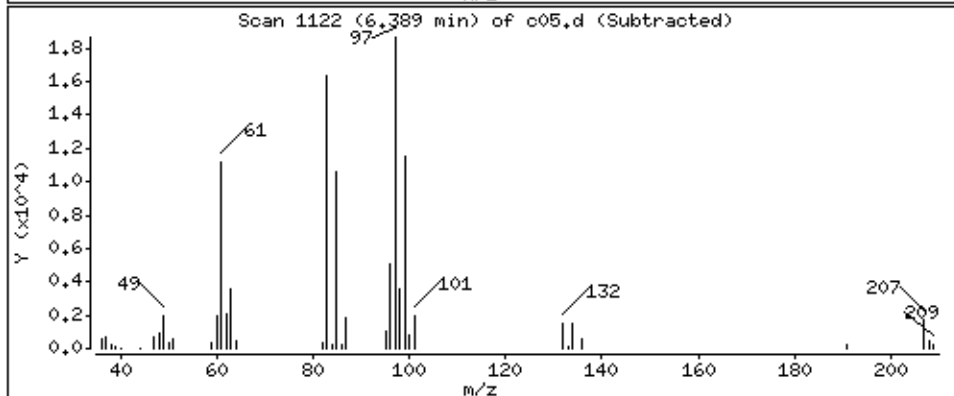
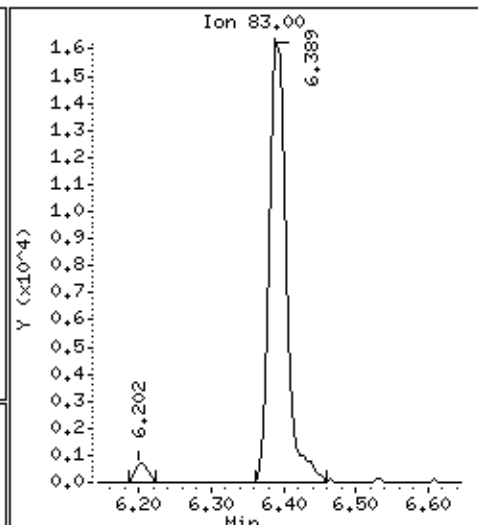
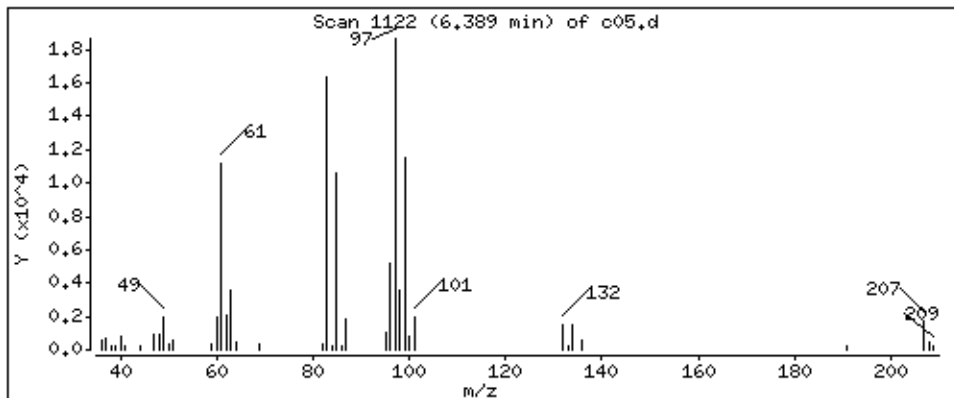
Operator: ala

Column phase: DB-624

Column diameter: 0,18

55 1,1,2-Trichloroethane

Concentration: 57,4 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

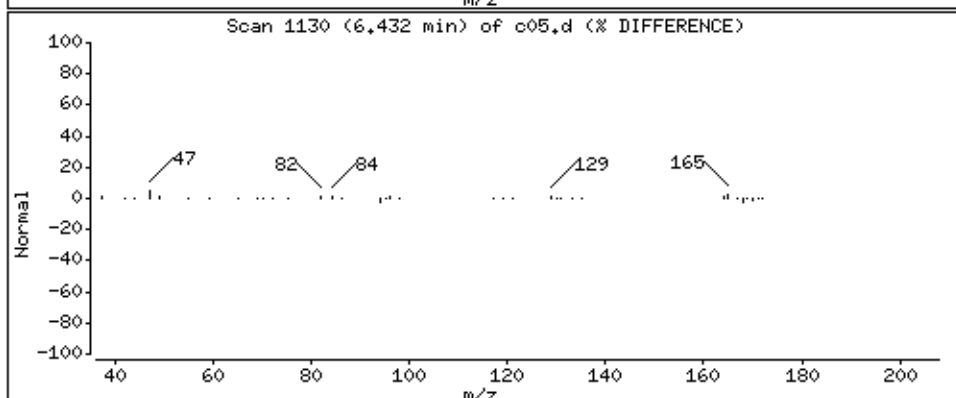
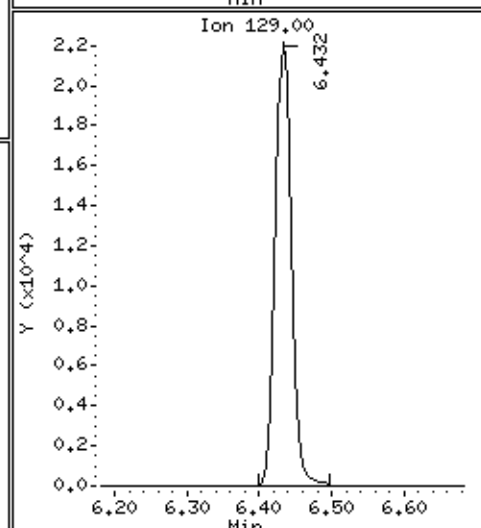
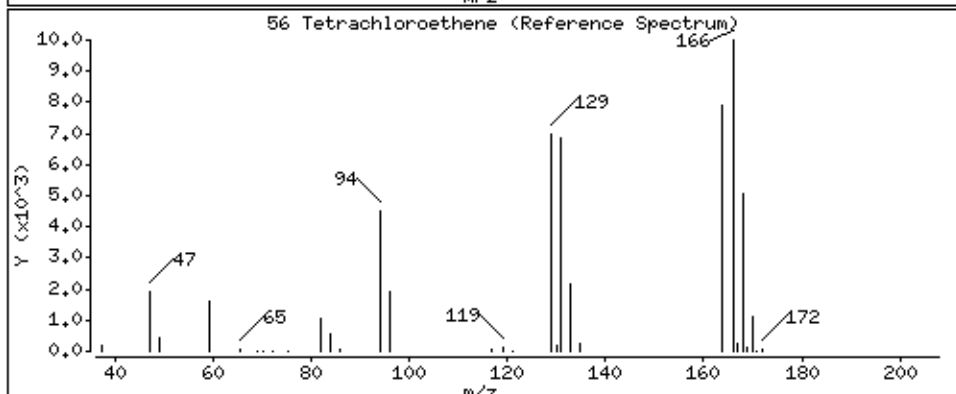
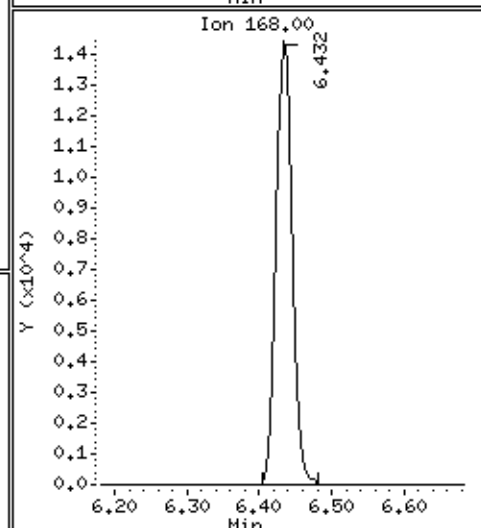
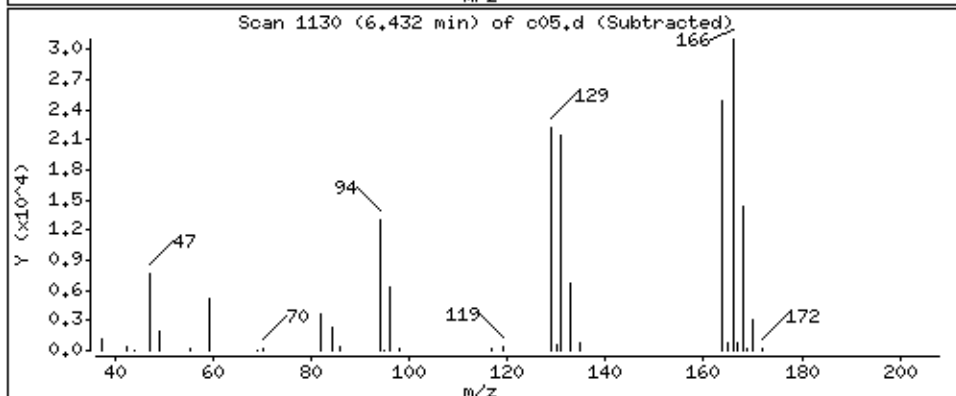
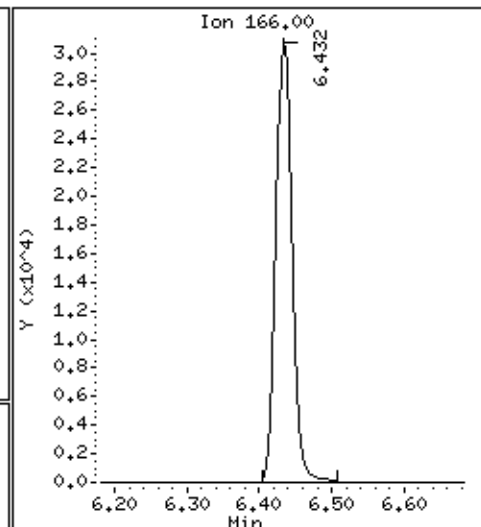
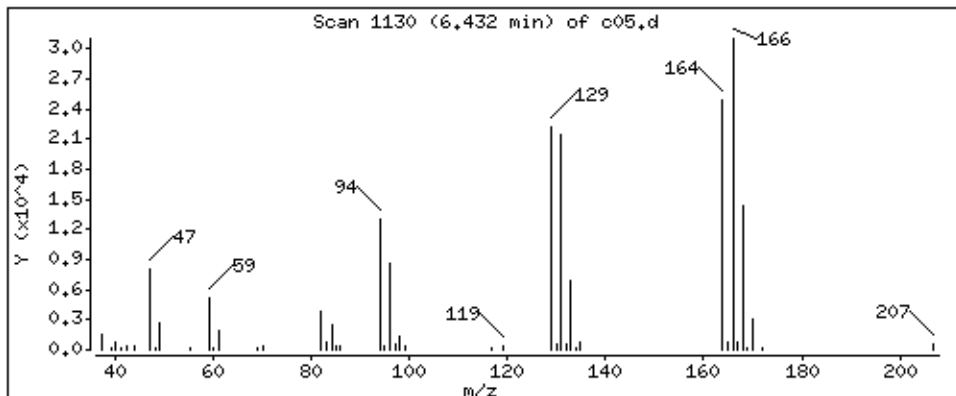
Operator: ala

Column phase: DB-624

Column diameter: 0,18

56 Tetrachloroethene

Concentration: 63,3 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

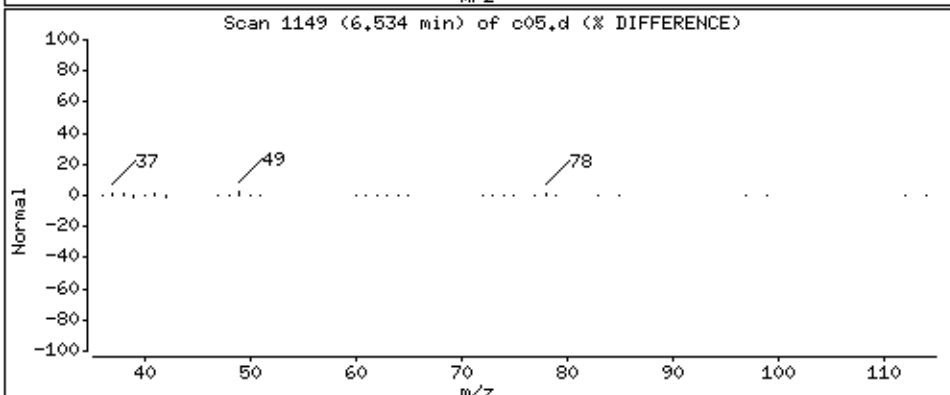
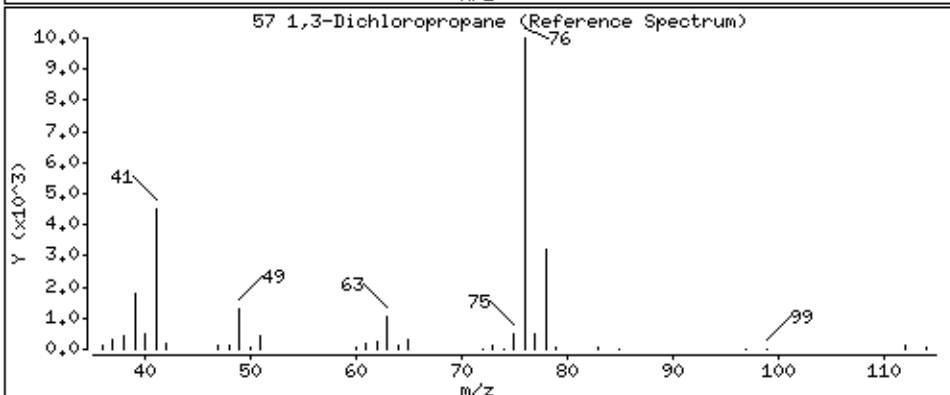
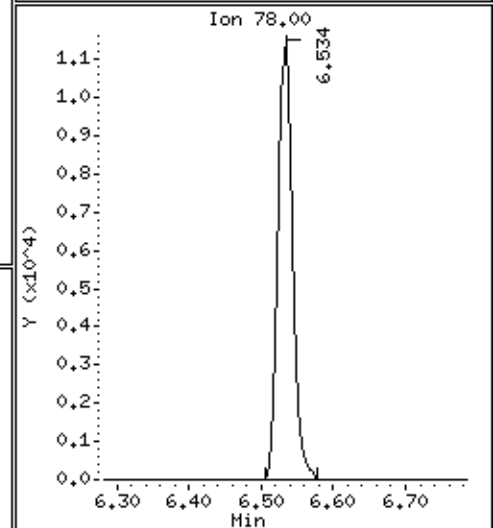
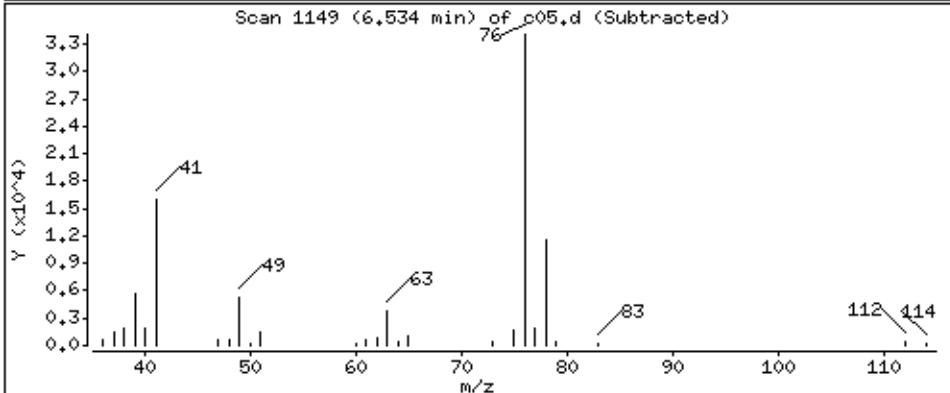
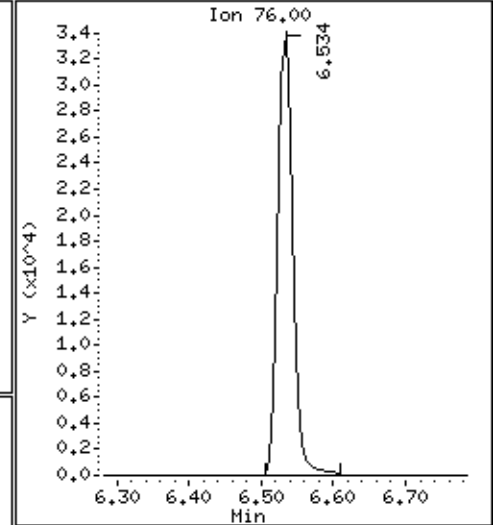
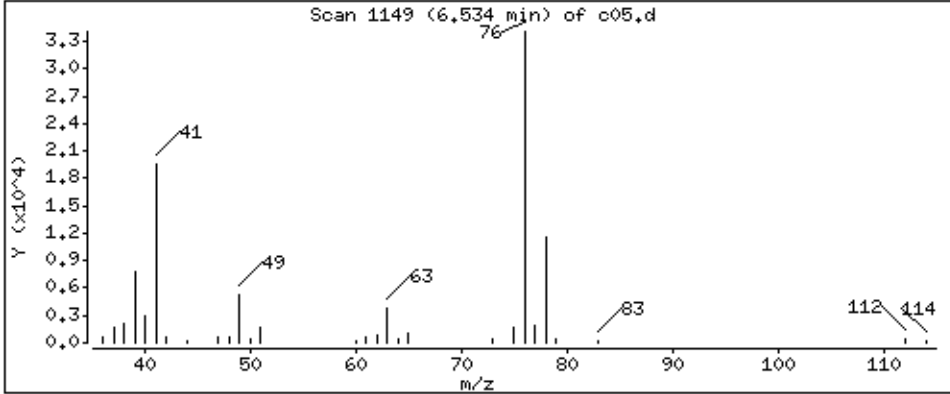
Operator: ala

Column phase: DB-624

Column diameter: 0,18

57 1,3-Dichloropropane

Concentration: 59,5 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

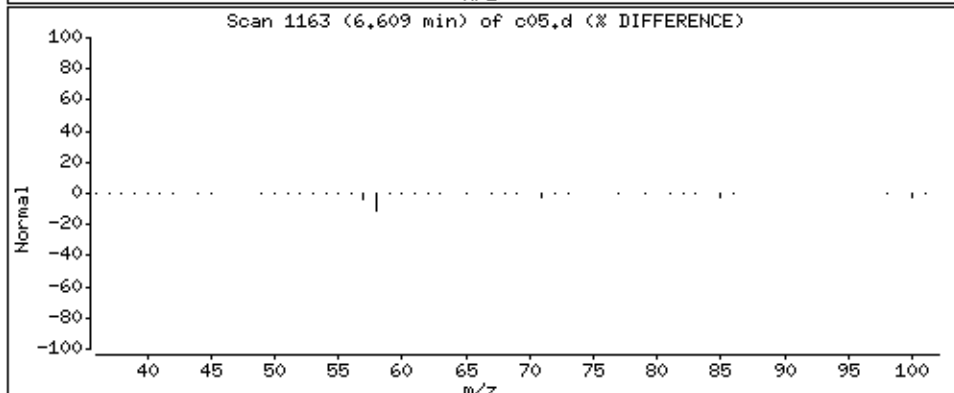
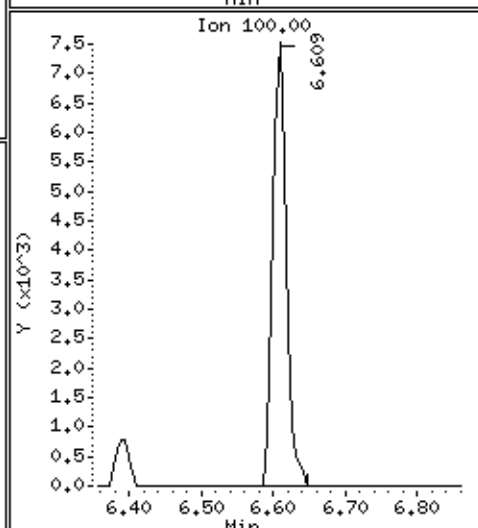
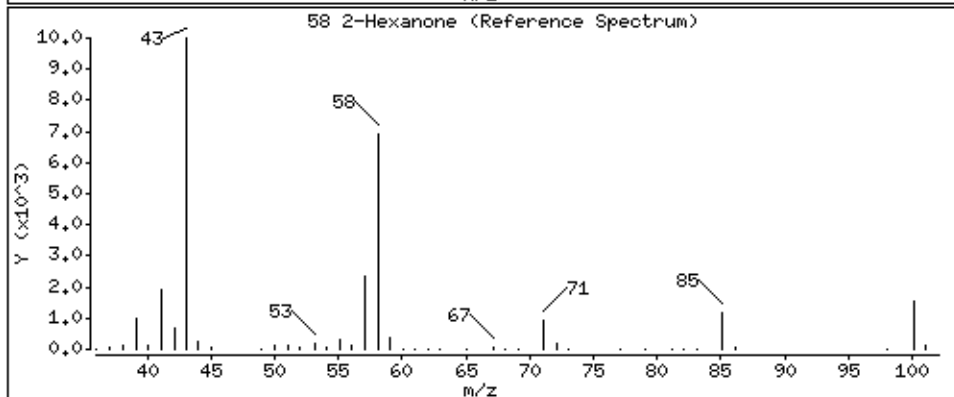
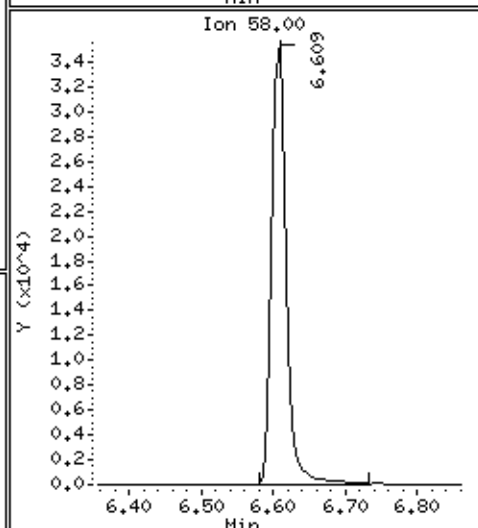
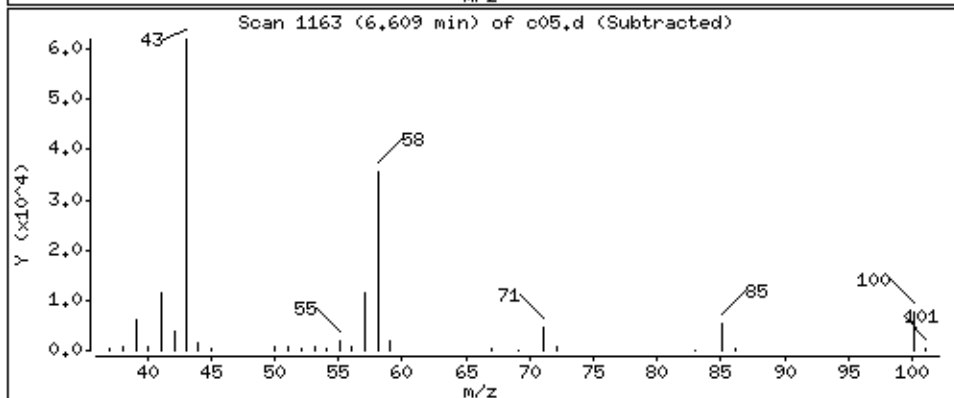
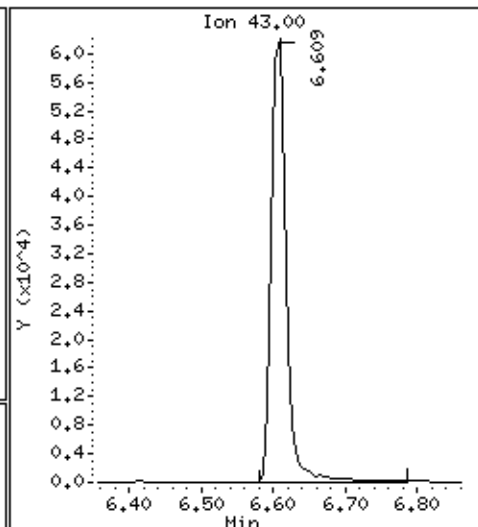
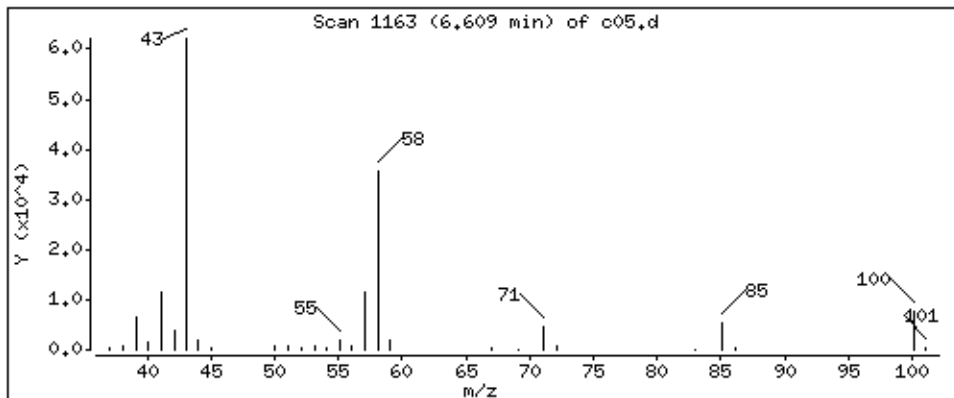
Operator: ala

Column phase: DB-624

Column diameter: 0,18

58 2-Hexanone

Concentration: 235 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

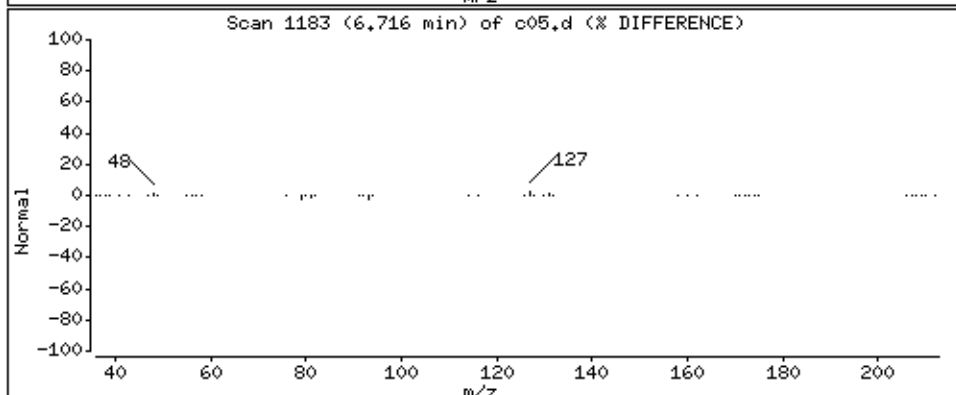
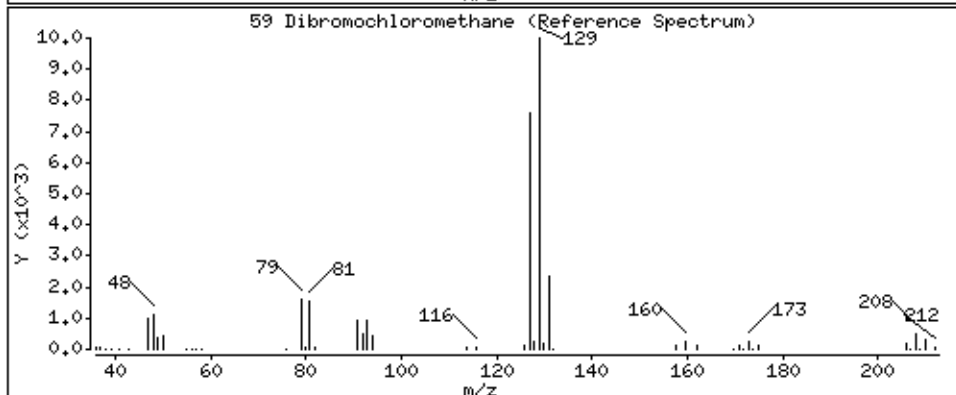
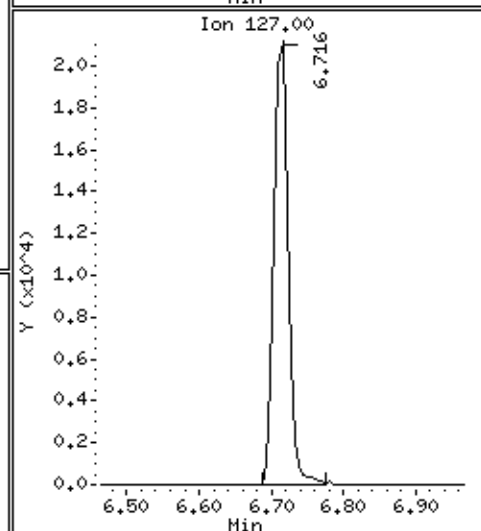
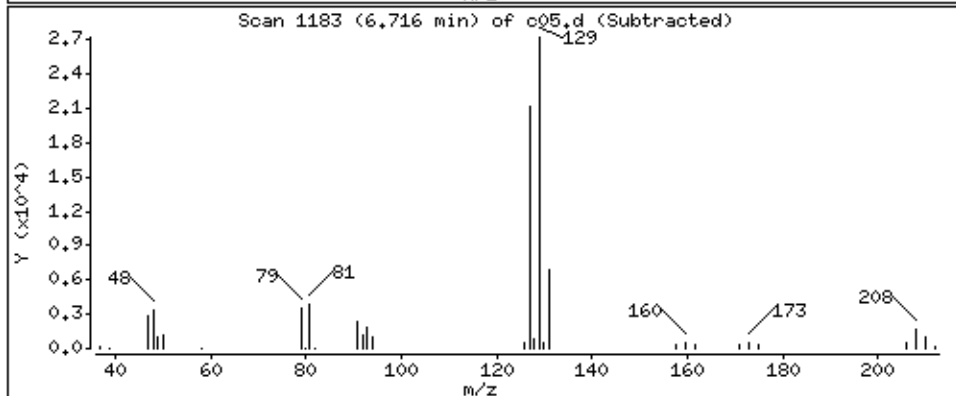
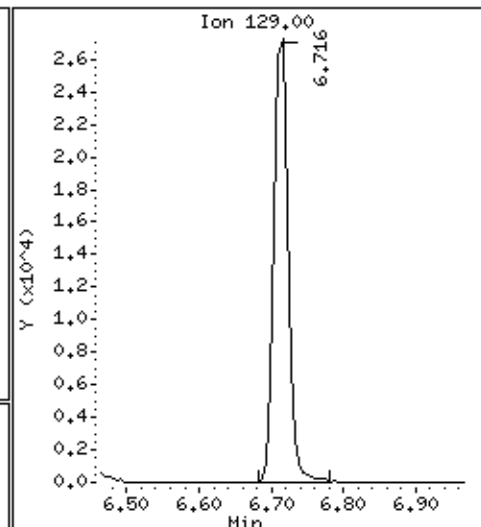
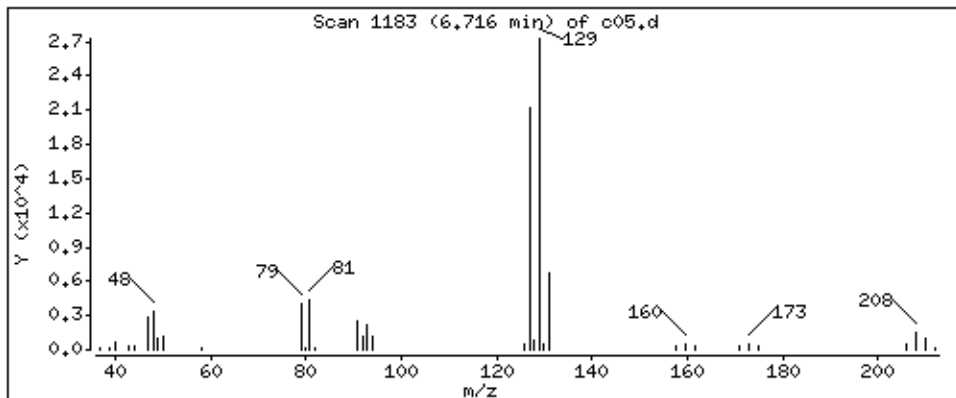
Operator: ala

Column phase: DB-624

Column diameter: 0,18

59 Dibromochloromethane

Concentration: 57,0 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

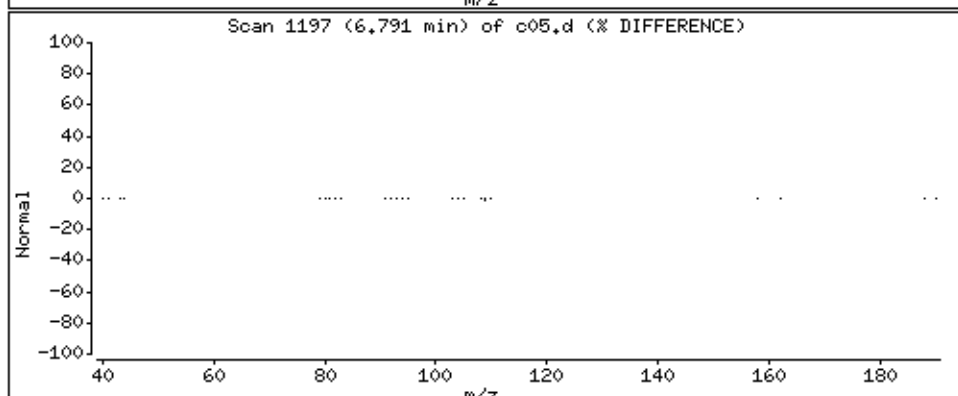
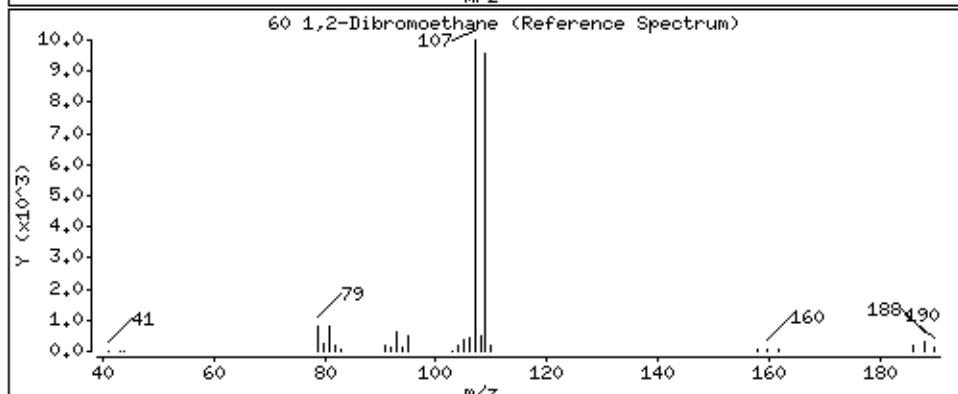
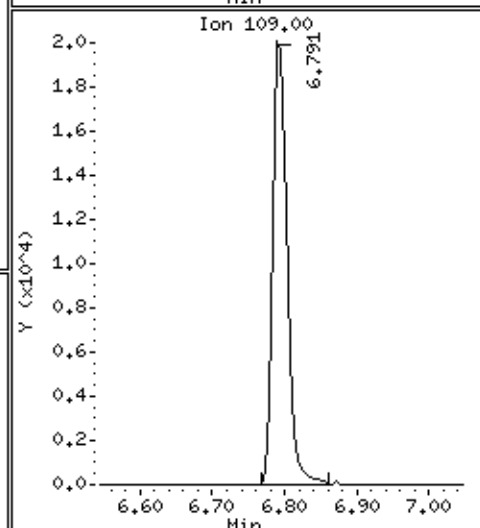
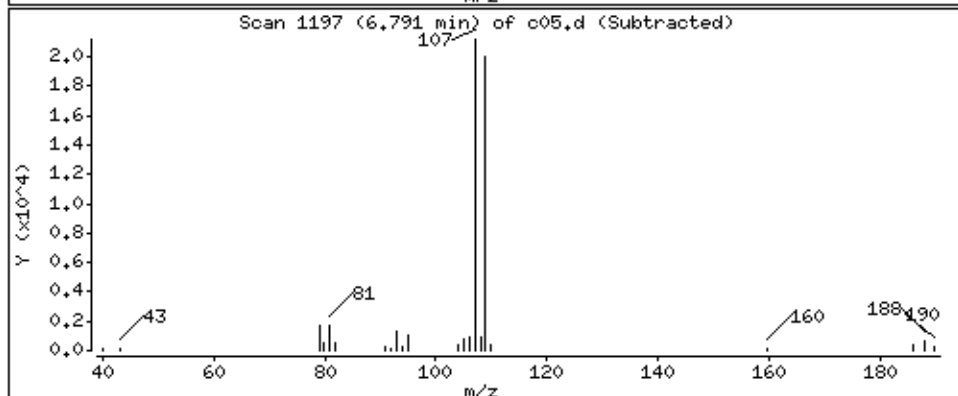
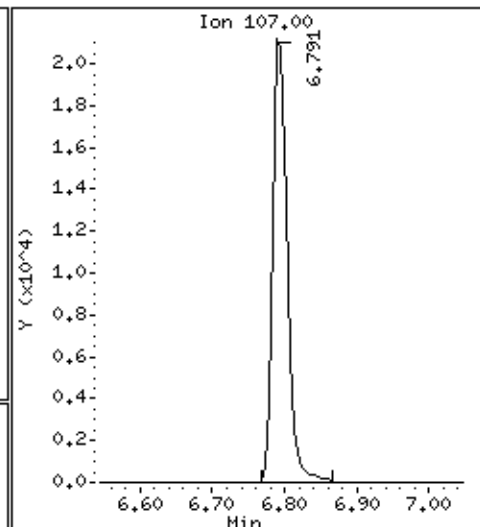
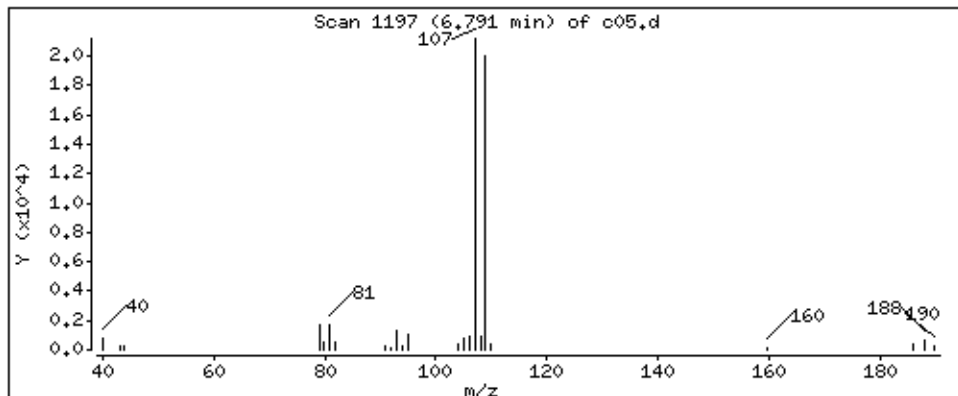
Operator: ala

Column phase: DB-624

Column diameter: 0,18

60 1,2-Dibromoethane

Concentration: 49,6 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

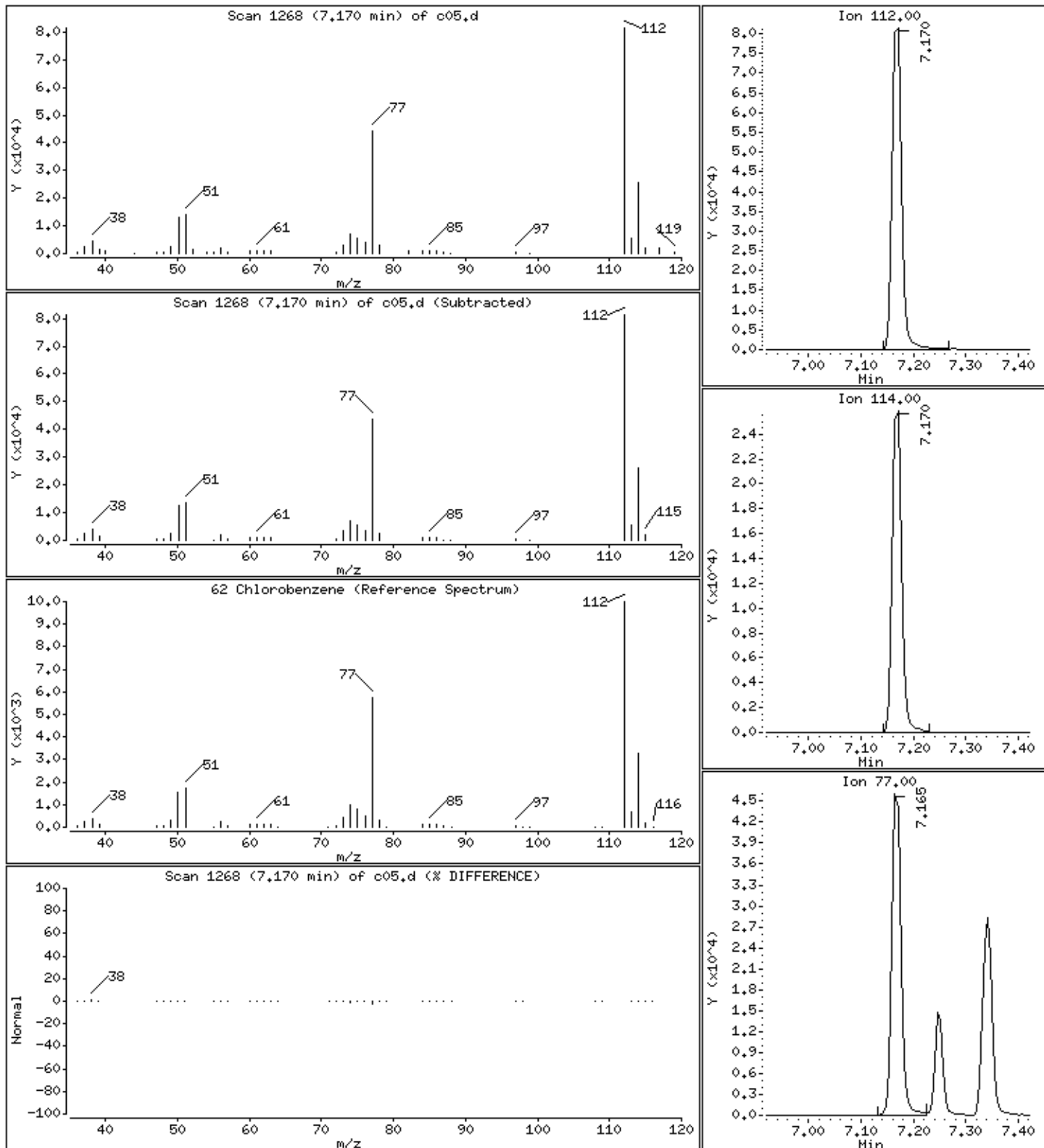
Operator: ala

Column phase: DB-624

Column diameter: 0,18

62 Chlorobenzene

Concentration: 57,6 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

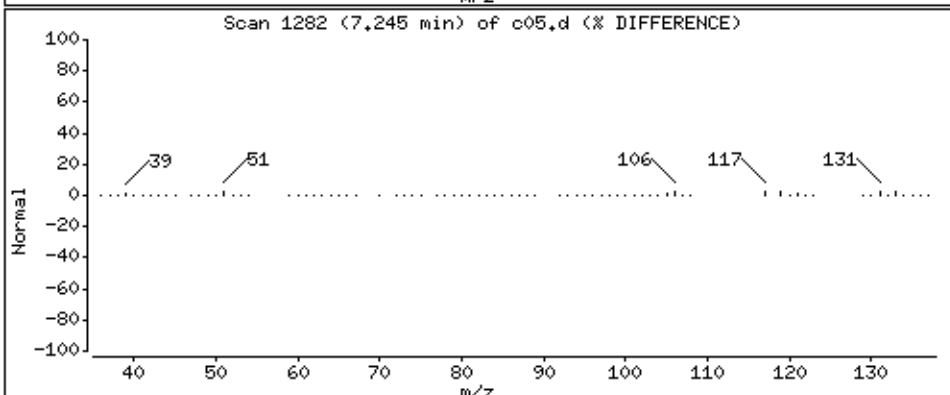
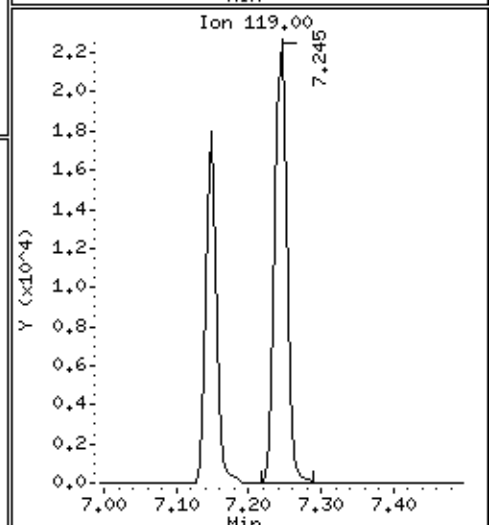
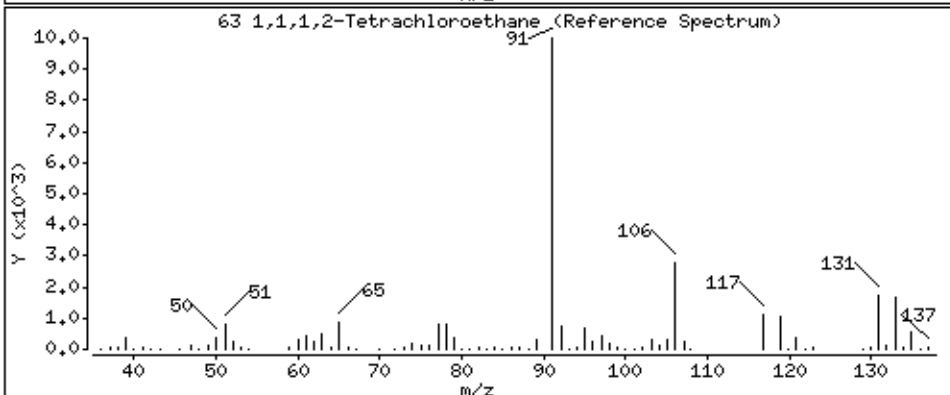
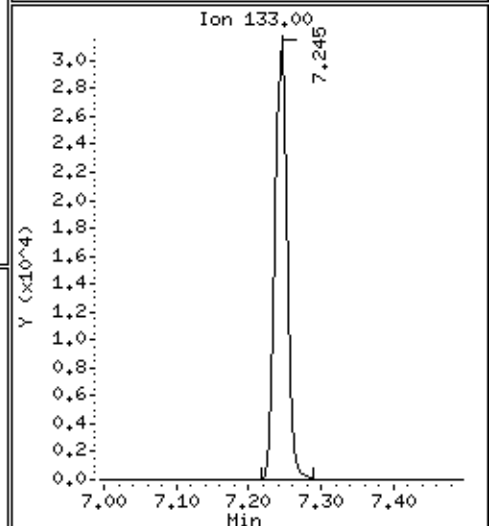
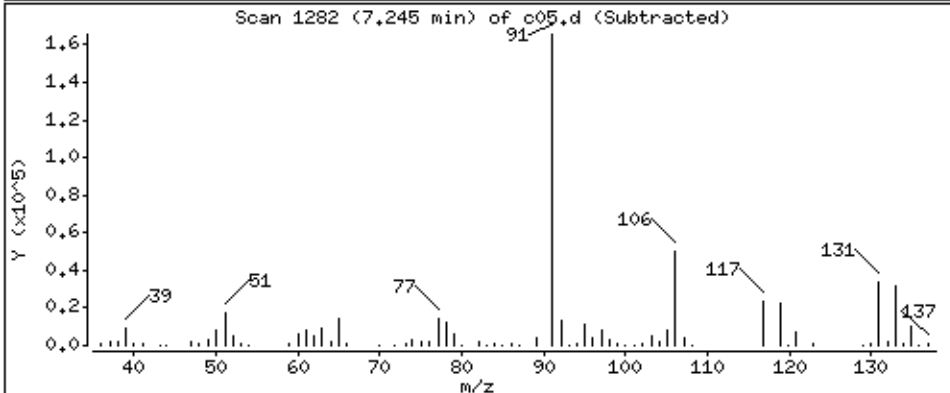
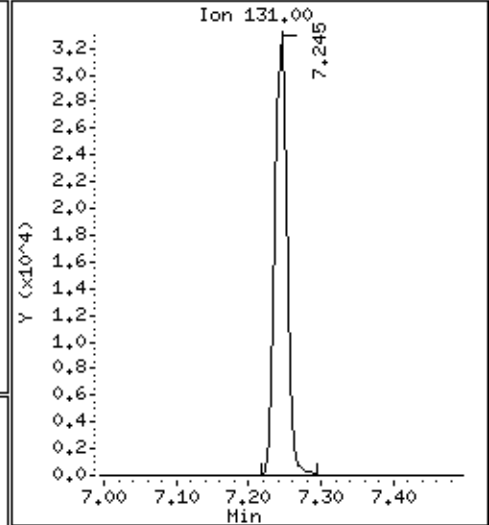
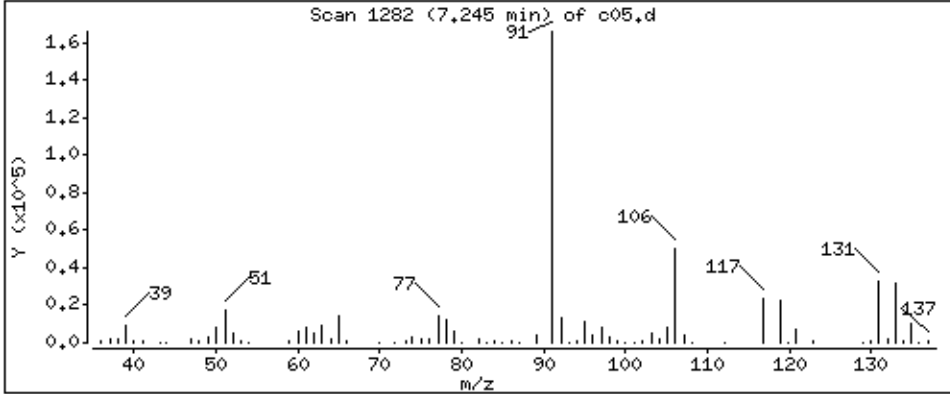
Operator: ala

Column phase: DB-624

Column diameter: 0,18

63 1,1,1,2-Tetrachloroethane

Concentration: 60,9 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

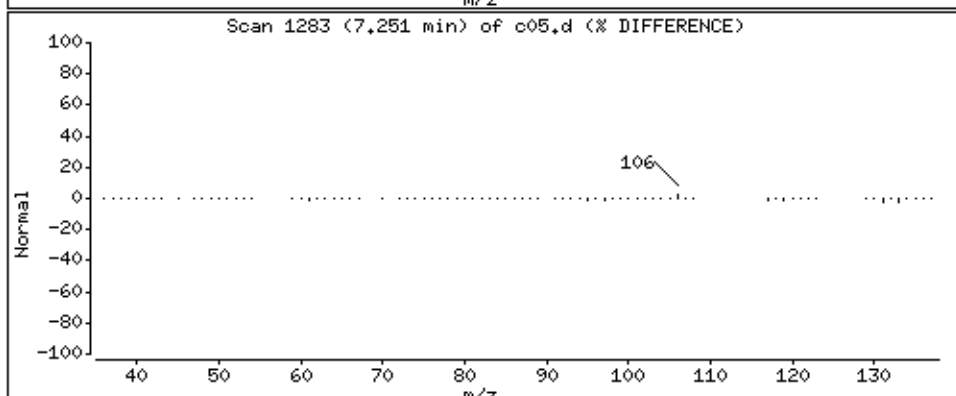
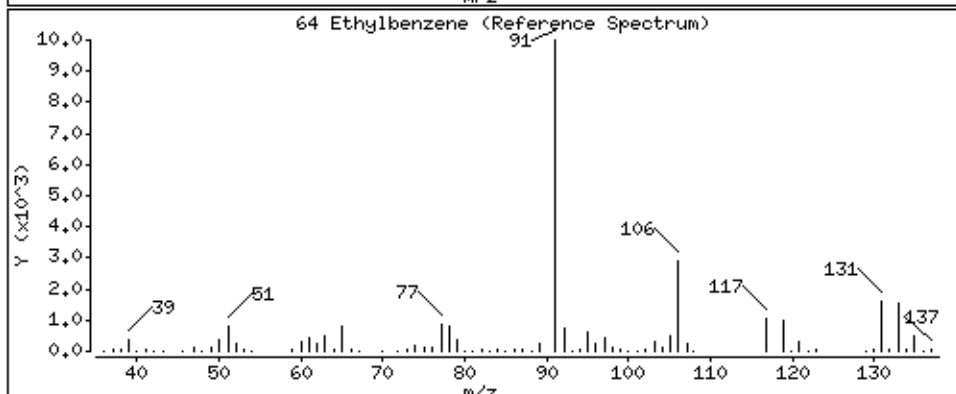
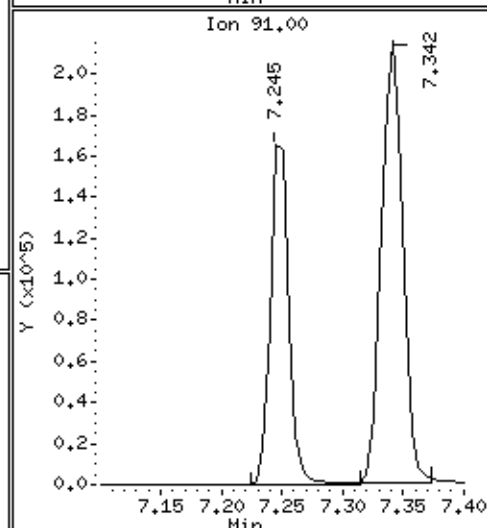
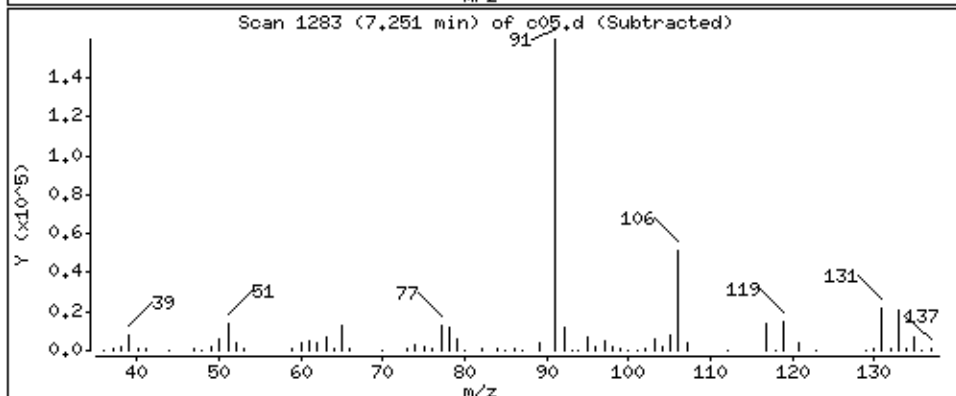
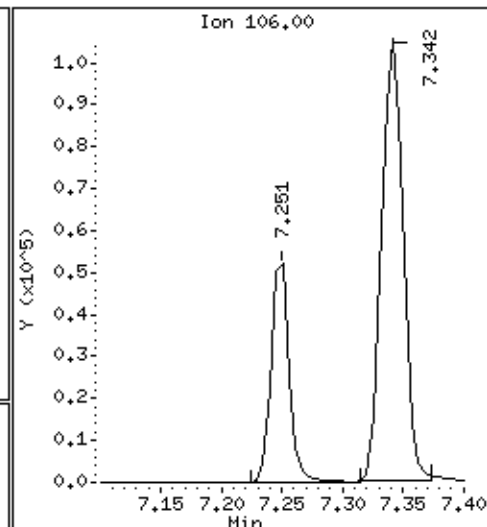
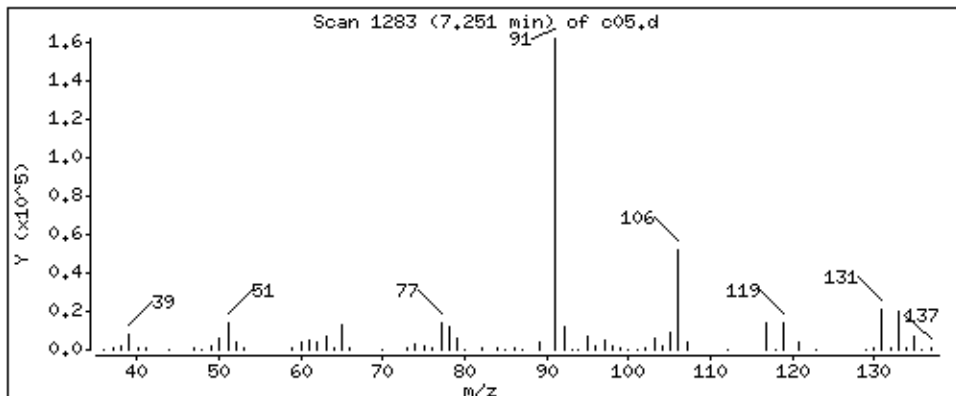
Operator: ala

Column phase: DB-624

Column diameter: 0,18

64 Ethylbenzene

Concentration: 62.9 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

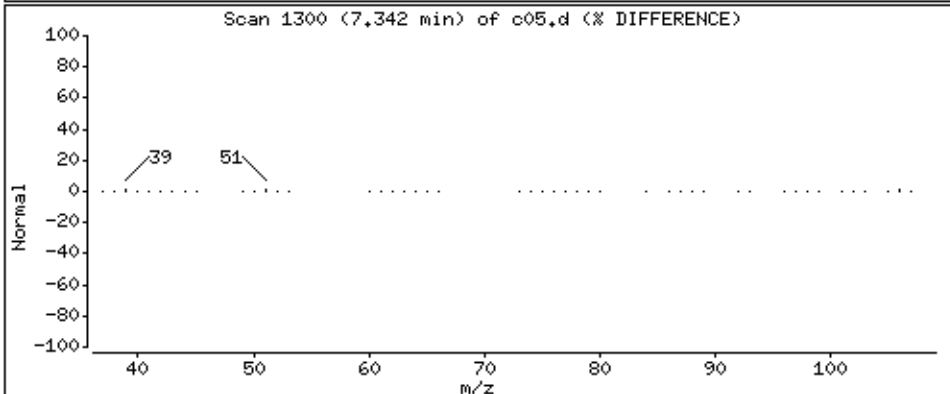
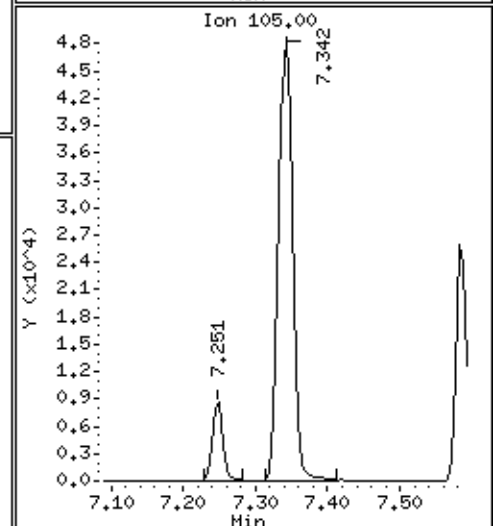
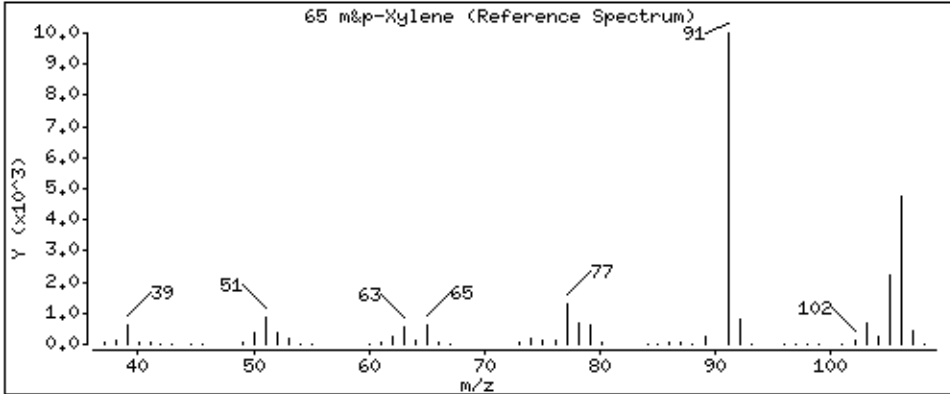
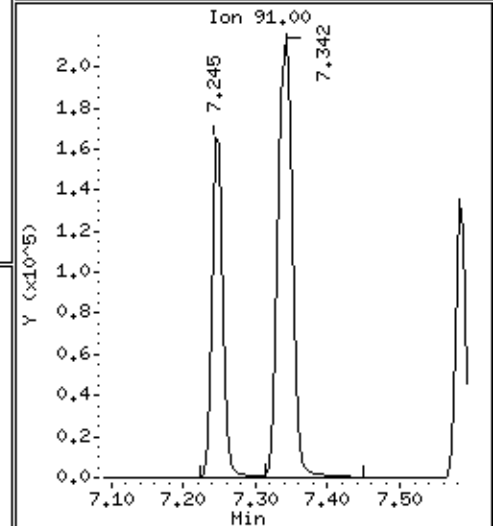
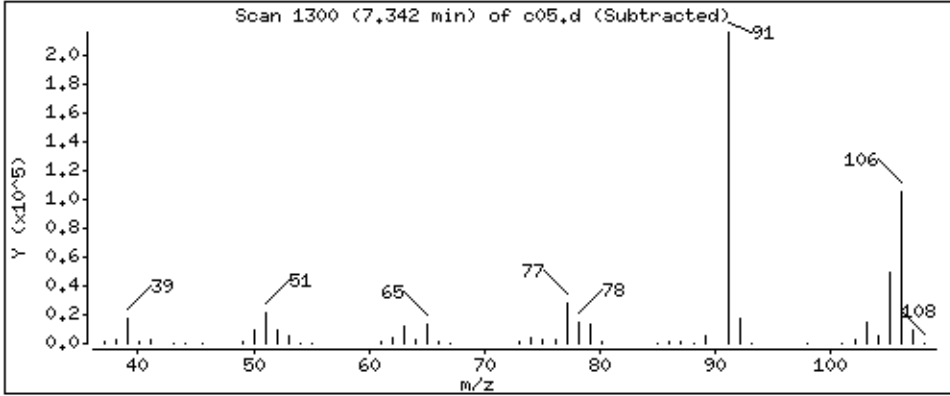
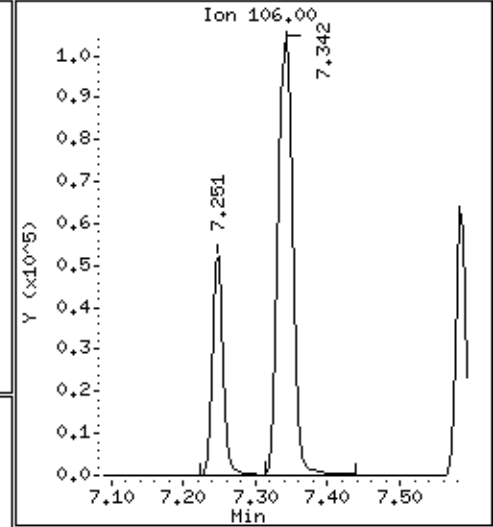
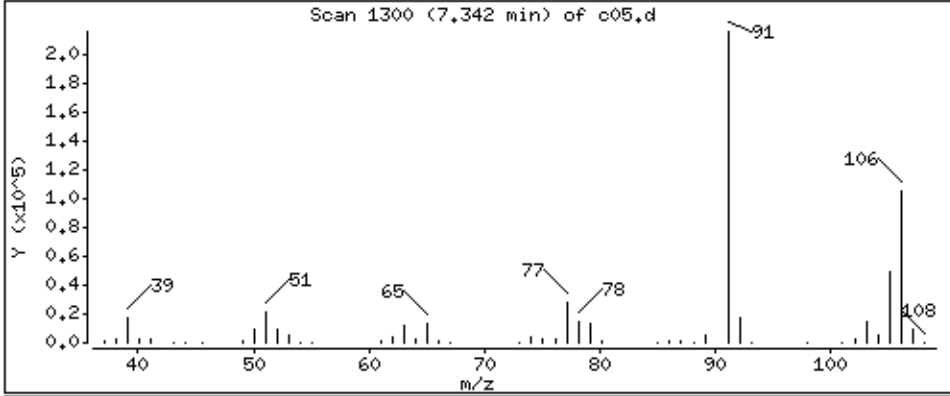
Operator: ala

Column phase: DB-624

Column diameter: 0,18

65 m&p-Xylene

Concentration: 126 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

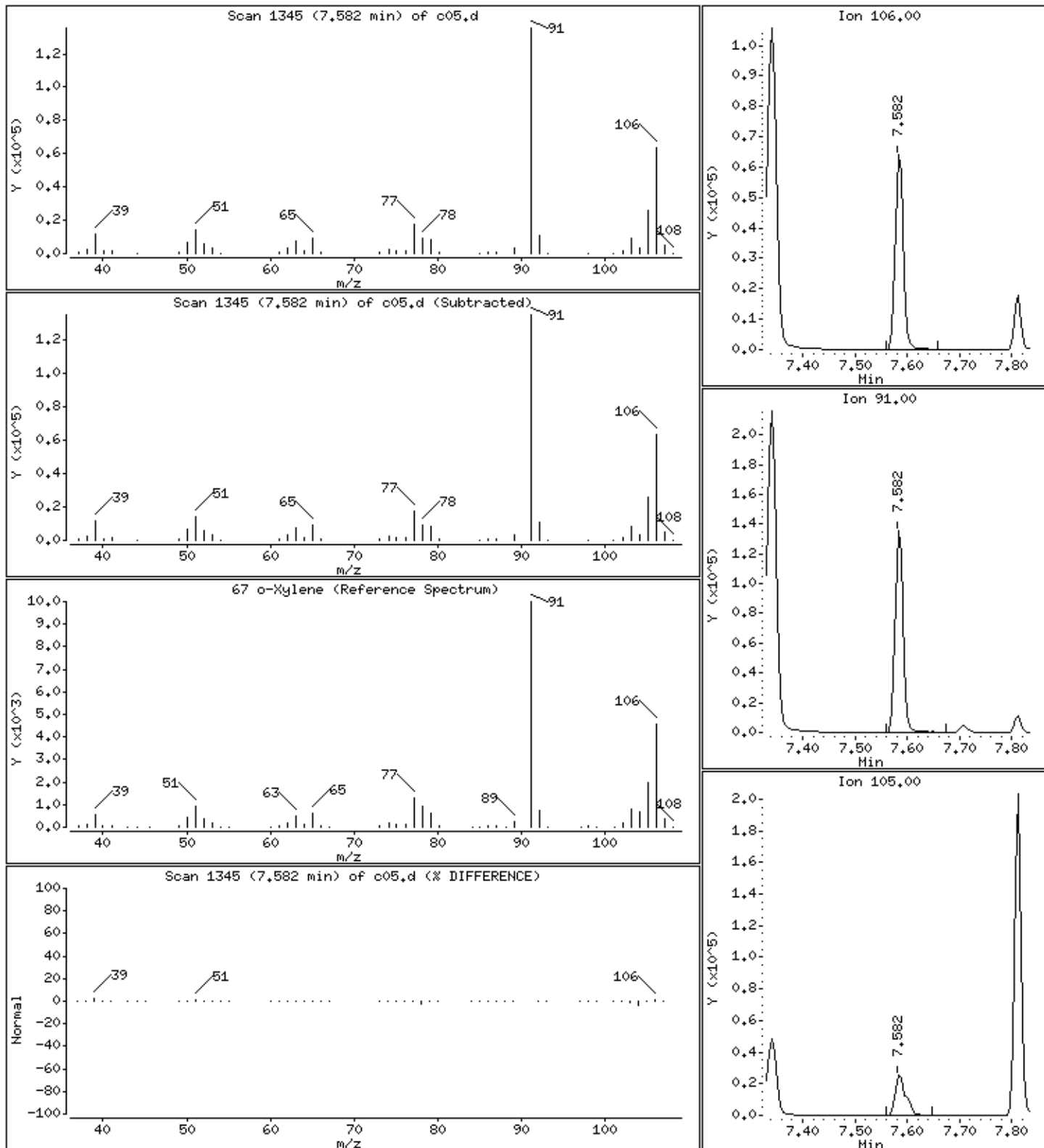
Operator: ala

Column phase: DB-624

Column diameter: 0,18

67 o-Xylene

Concentration: 63,9 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

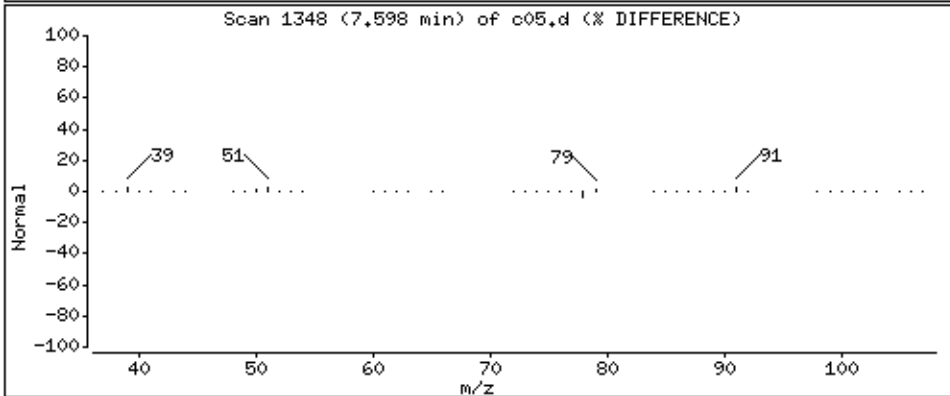
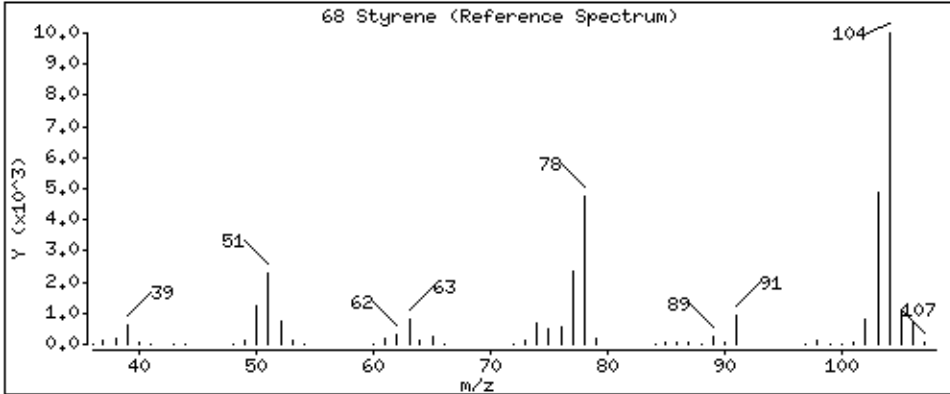
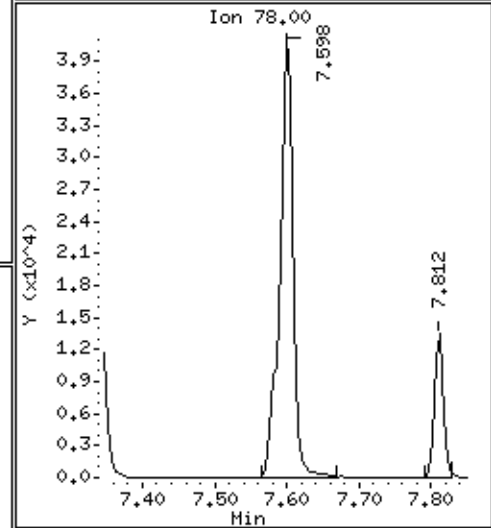
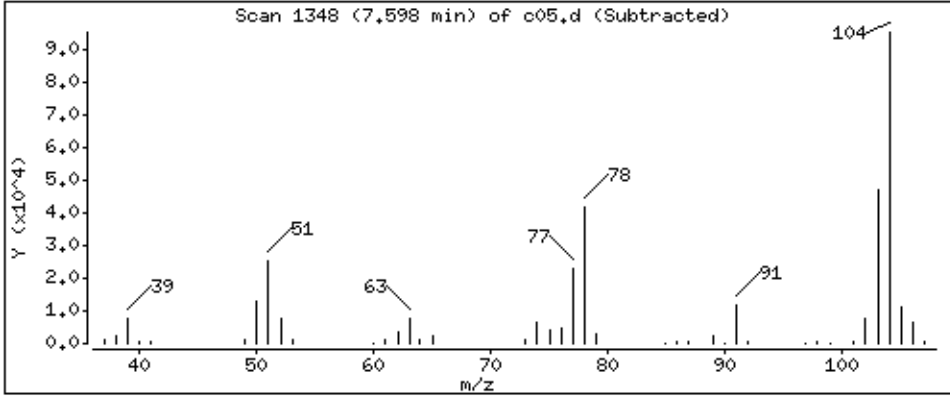
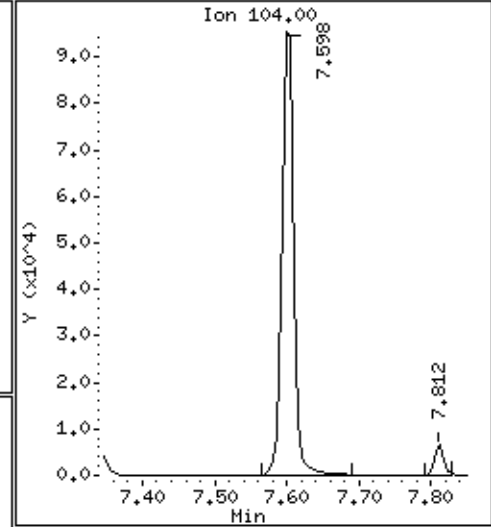
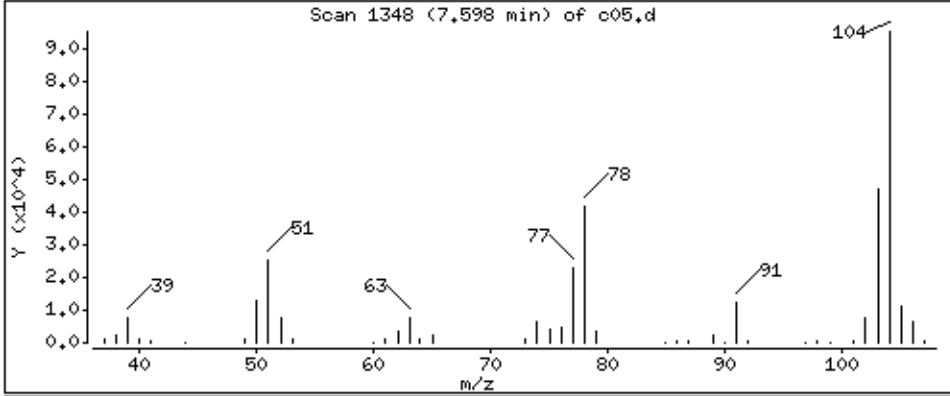
Operator: ala

Column phase: DB-624

Column diameter: 0,18

68 Styrene

Concentration: 58,7 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

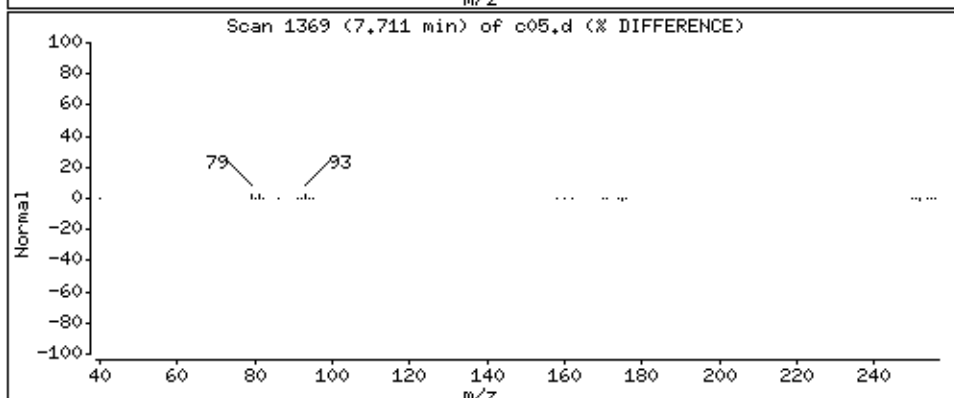
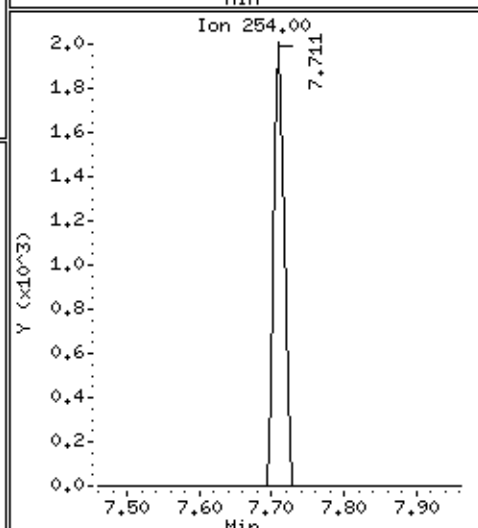
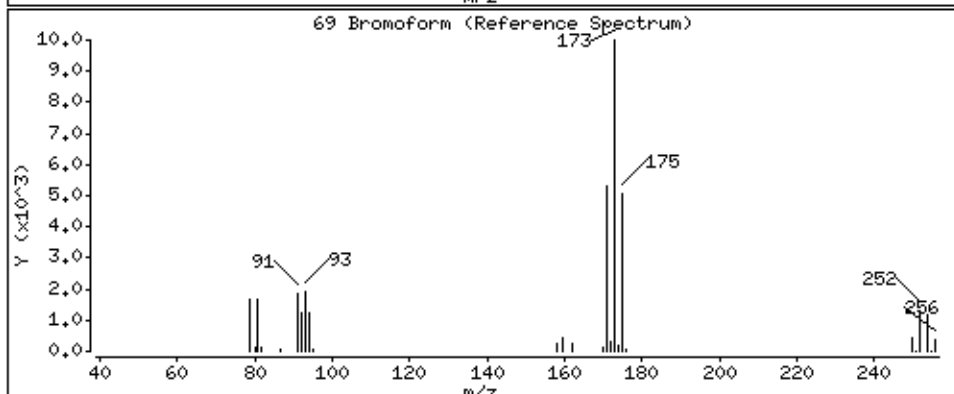
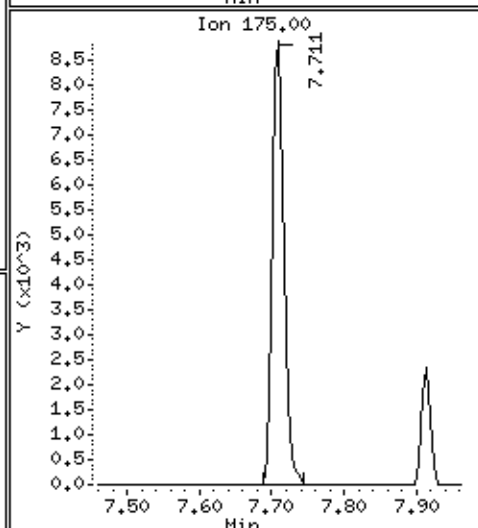
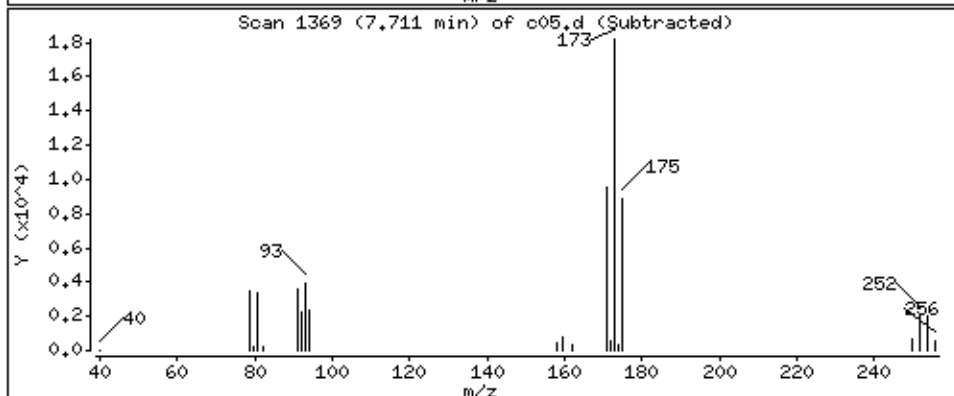
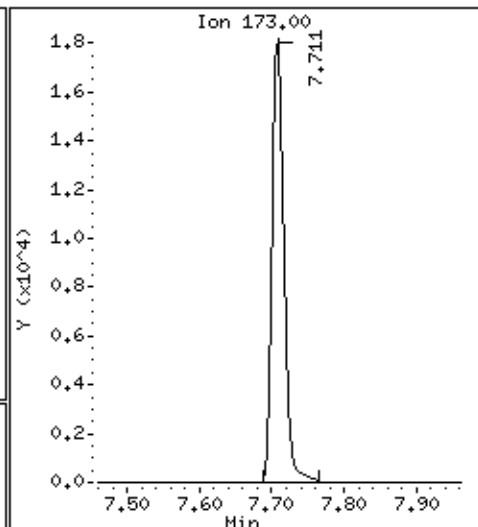
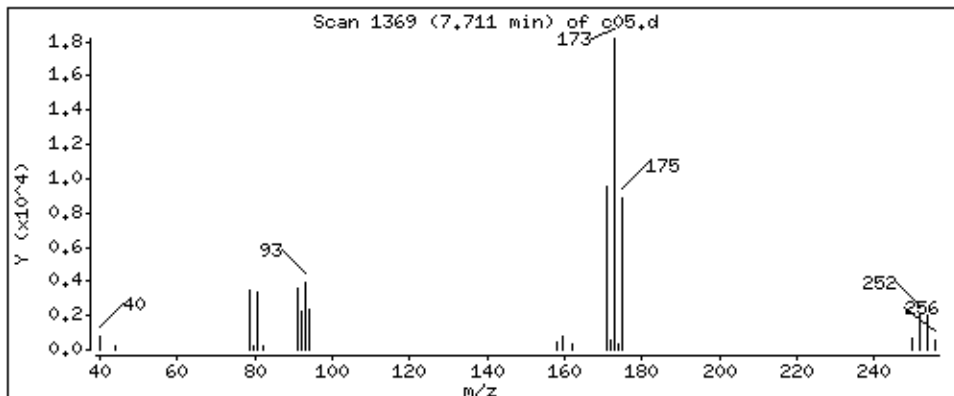
Operator: ala

Column phase: DB-624

Column diameter: 0,18

69 Bromoform

Concentration: 53,5 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

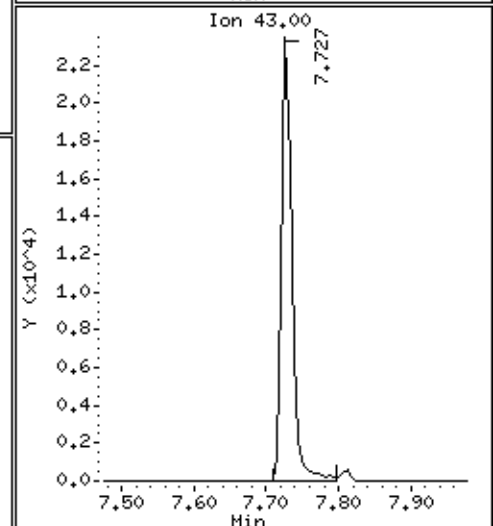
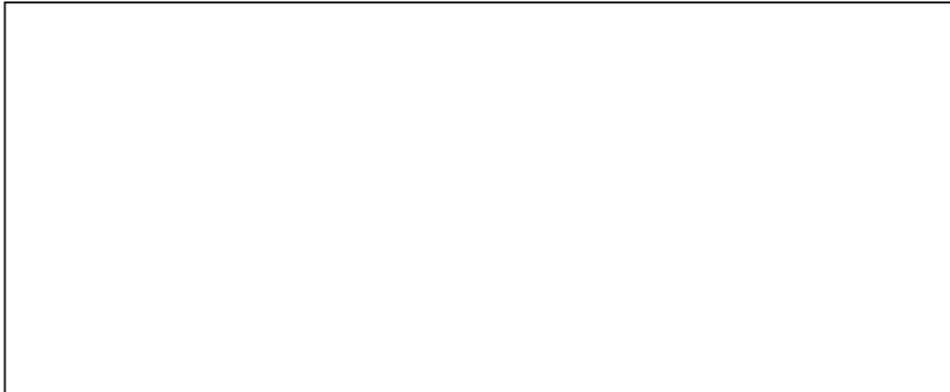
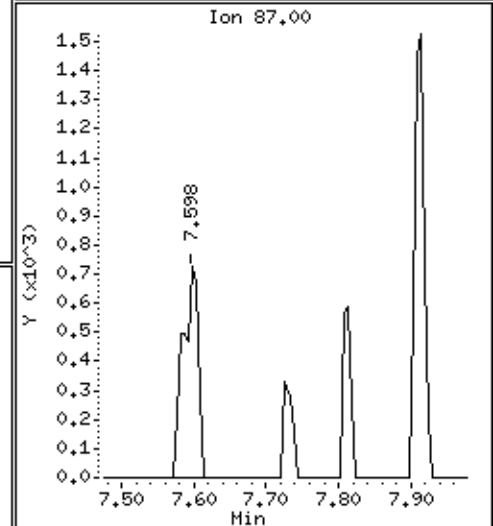
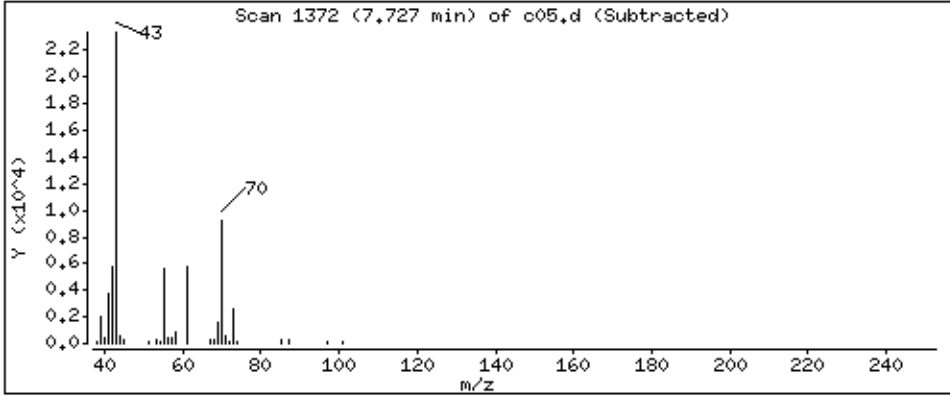
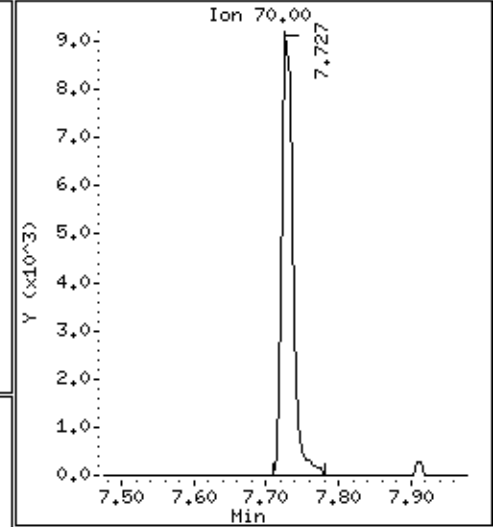
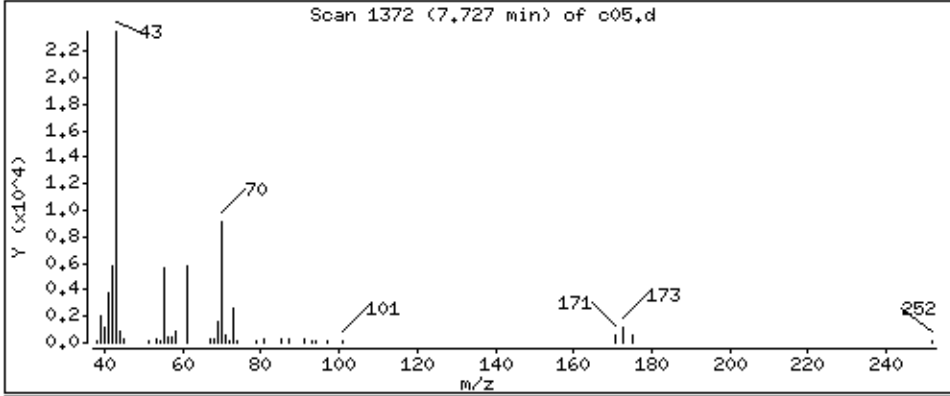
Operator: ala

Column phase: DB-624

Column diameter: 0,18

146 n-amyl acetate

Concentration: 23,5 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

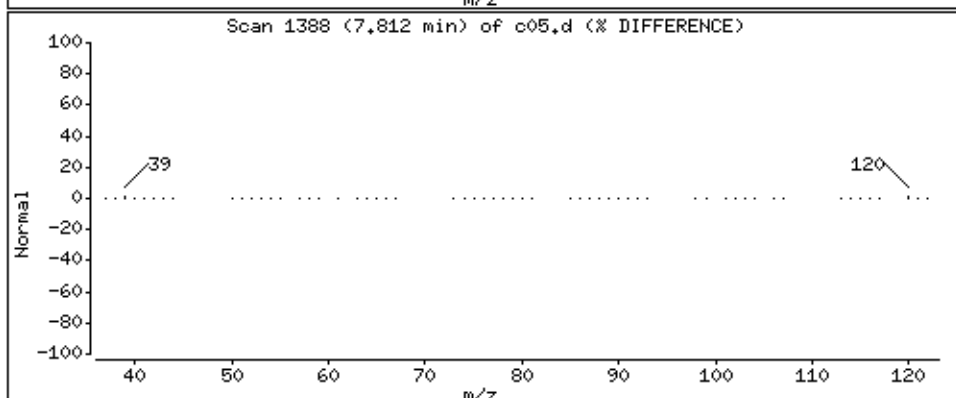
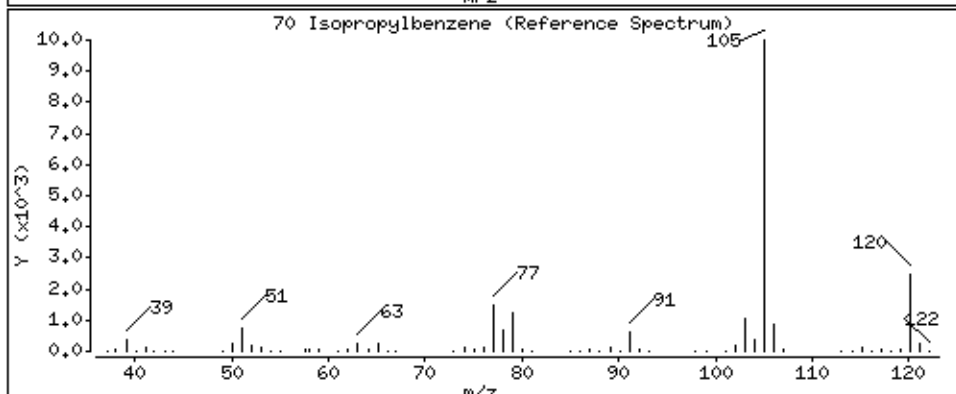
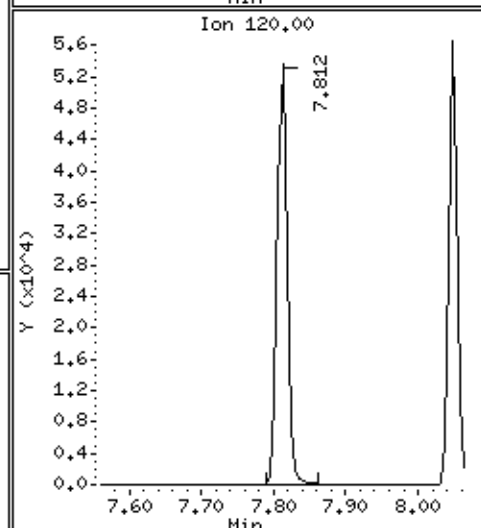
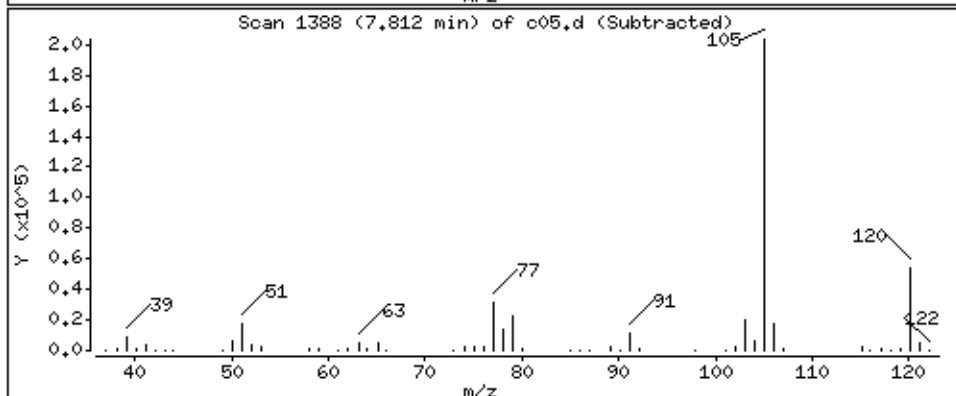
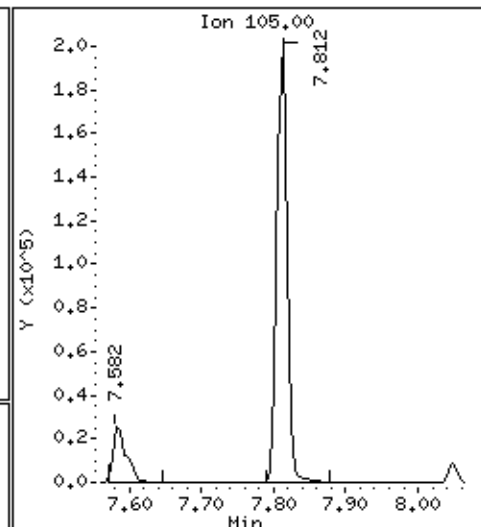
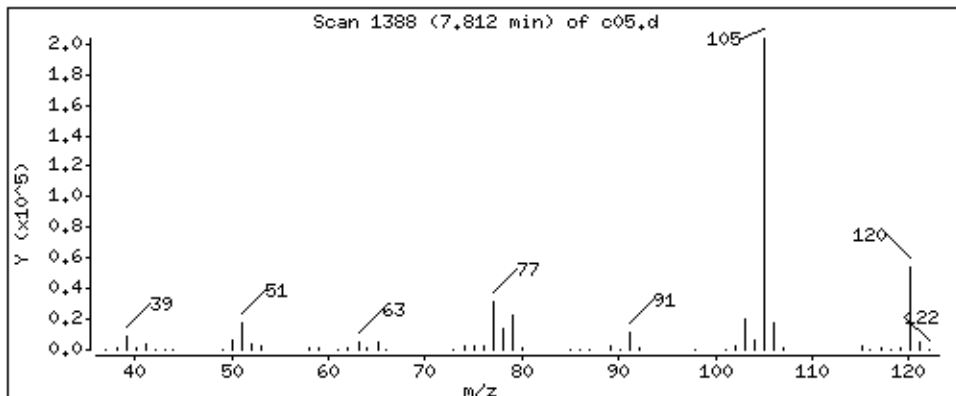
Operator: ala

Column phase: DB-624

Column diameter: 0,18

70 Isopropylbenzene

Concentration: 65,4 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

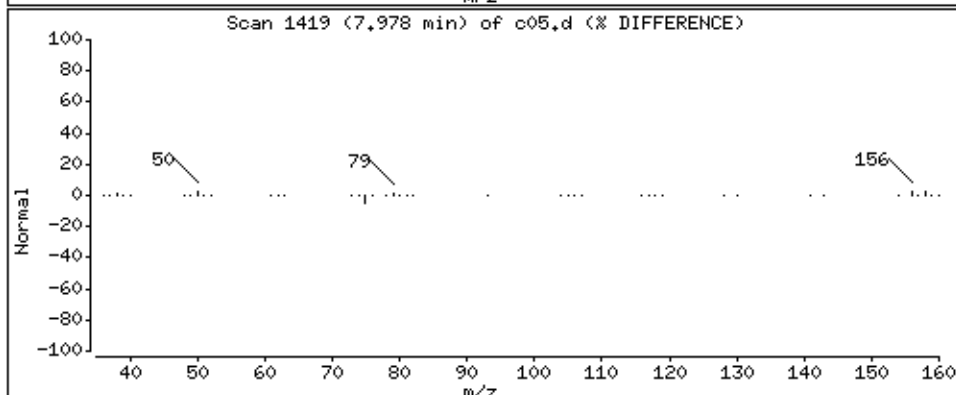
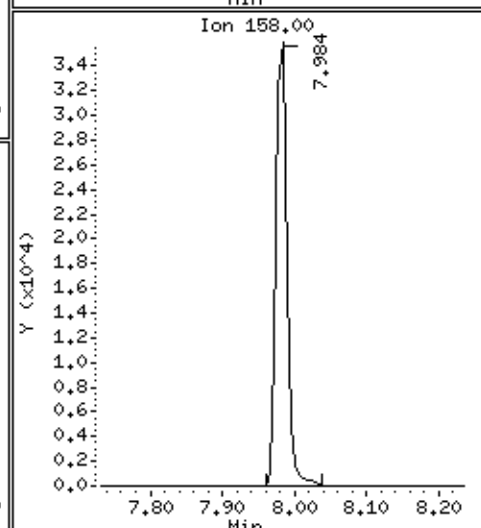
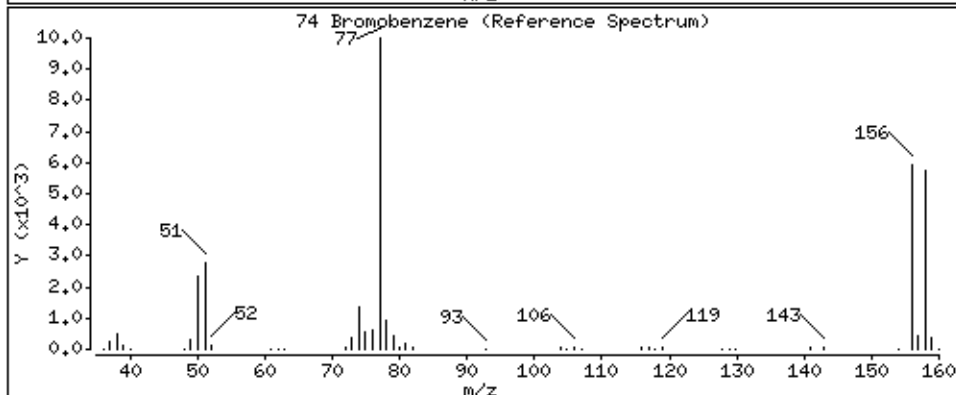
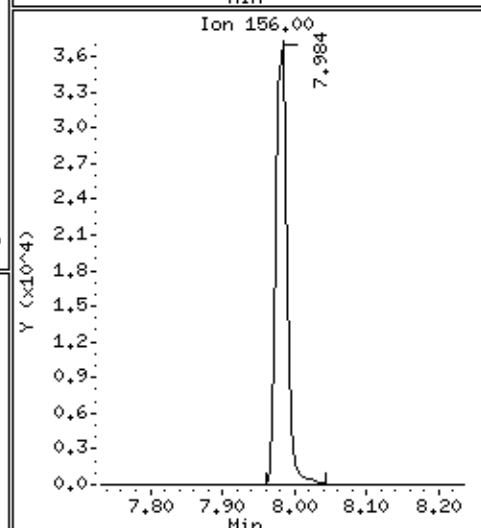
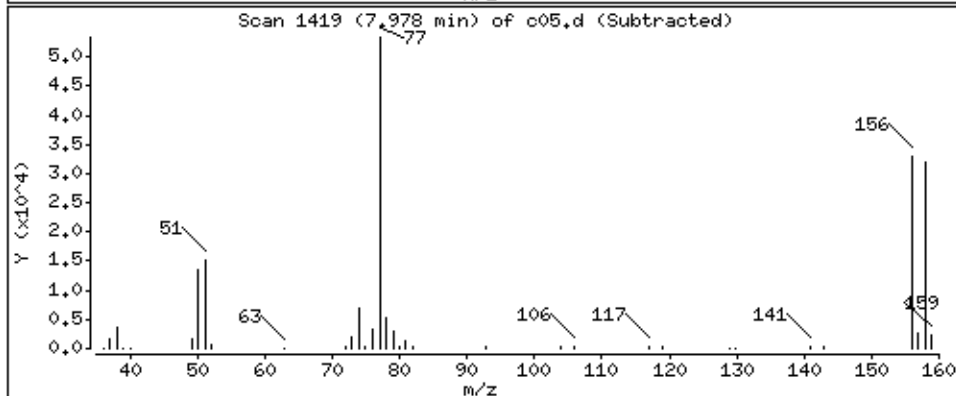
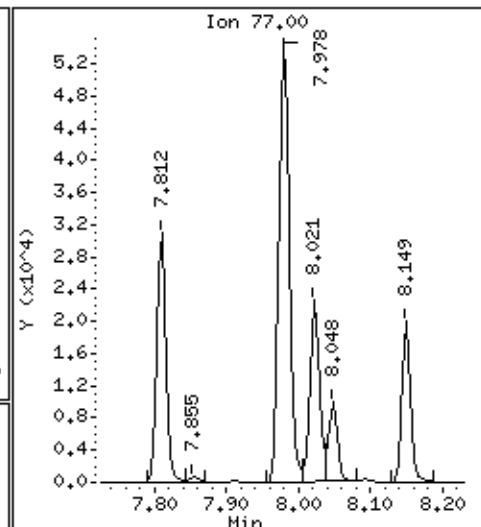
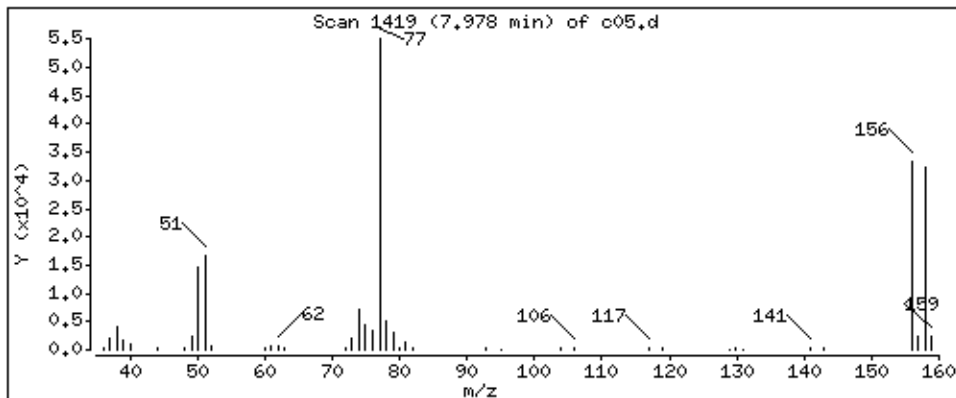
Operator: ala

Column phase: DB-624

Column diameter: 0,18

74 Bromobenzene

Concentration: 51.4 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

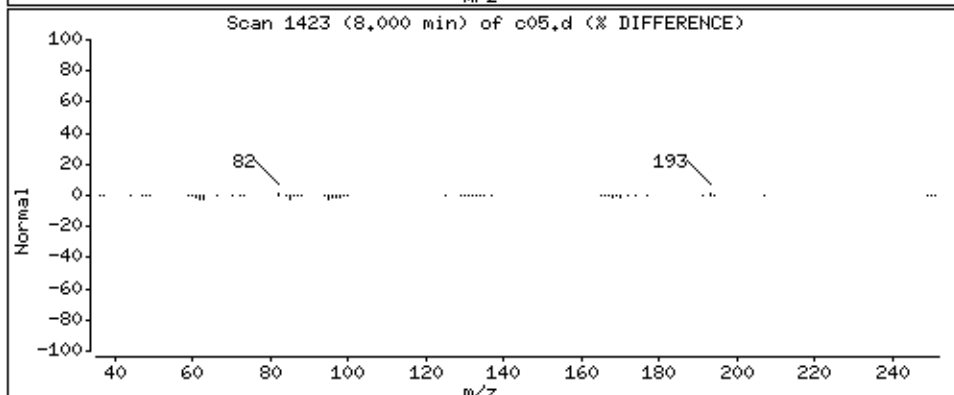
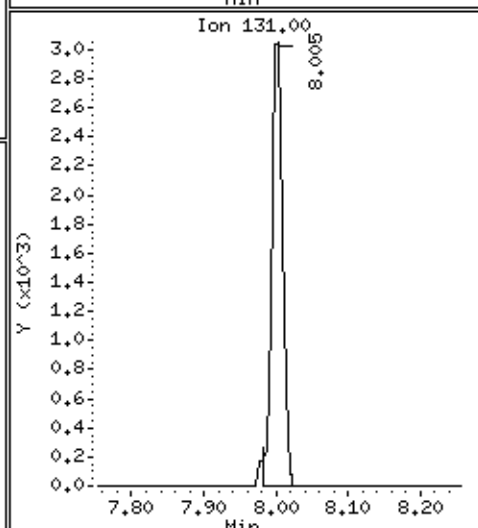
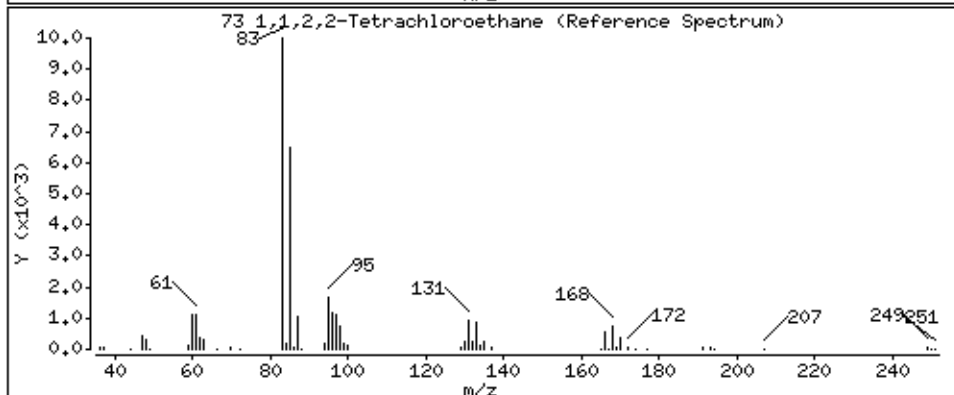
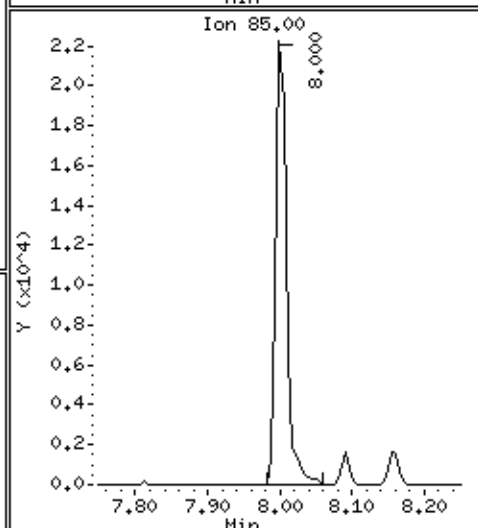
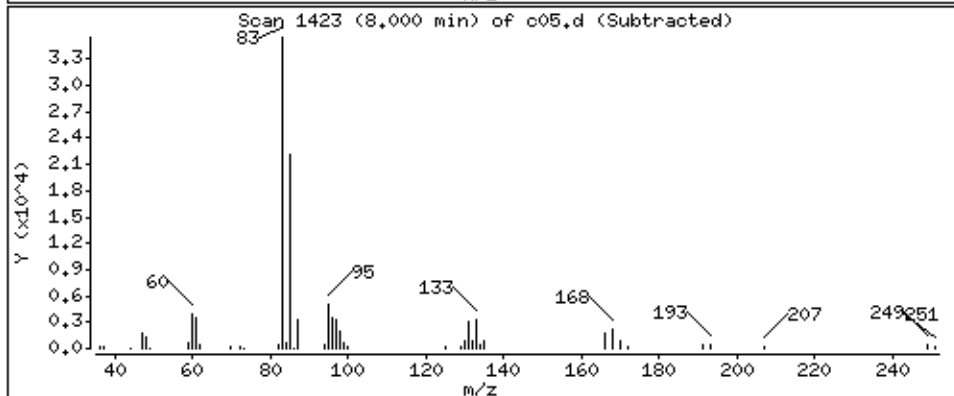
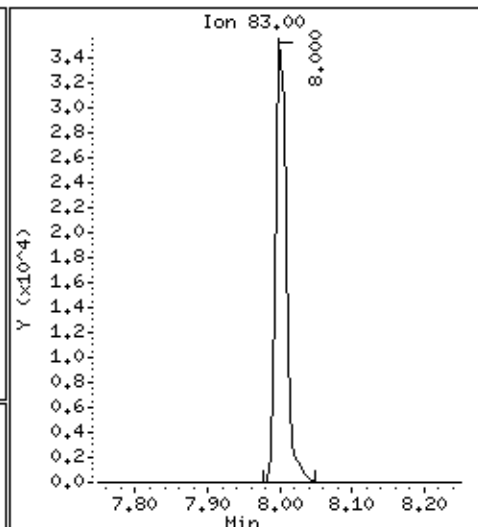
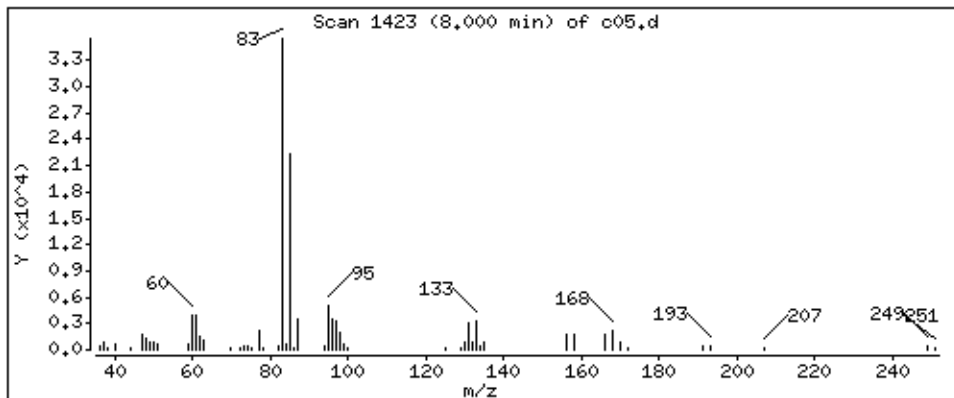
Operator: ala

Column phase: DB-624

Column diameter: 0,18

73 1,1,2,2-Tetrachloroethane

Concentration: 51,1 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

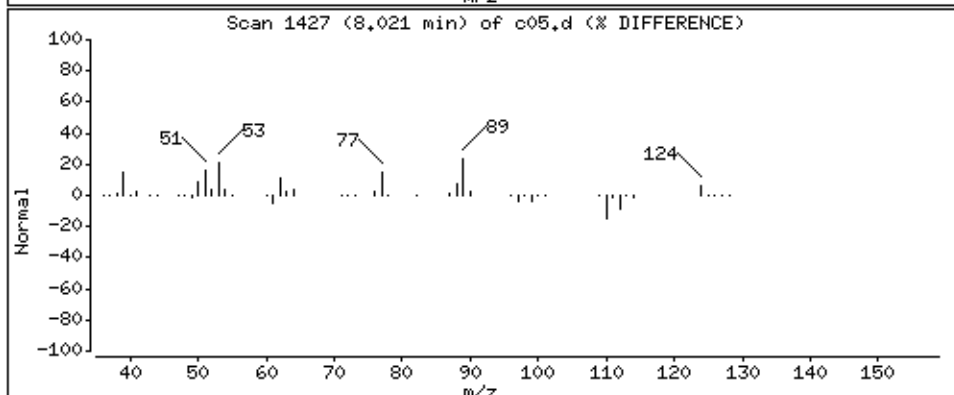
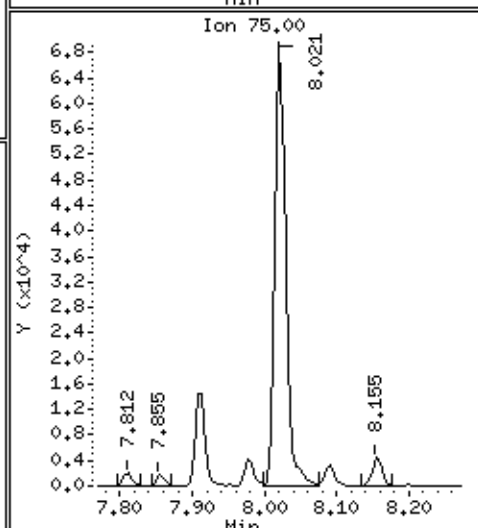
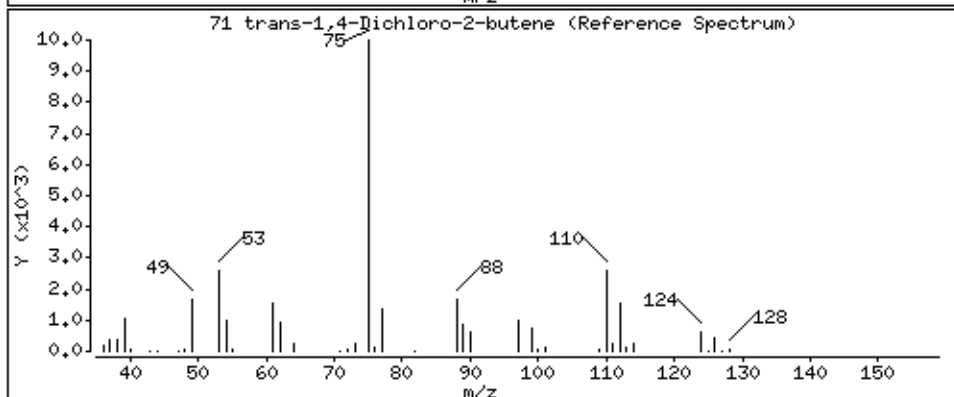
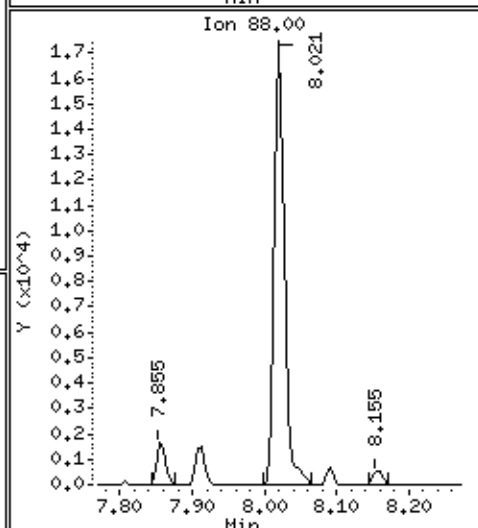
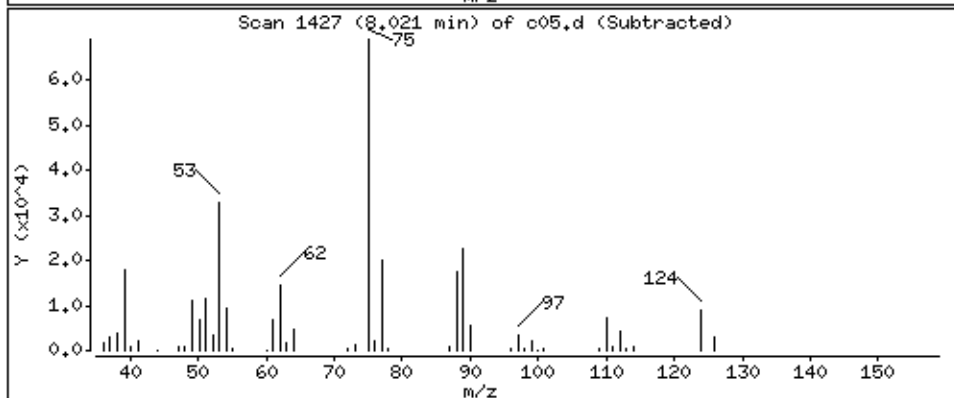
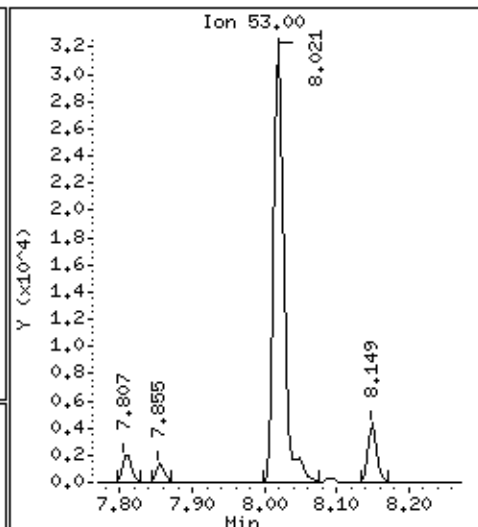
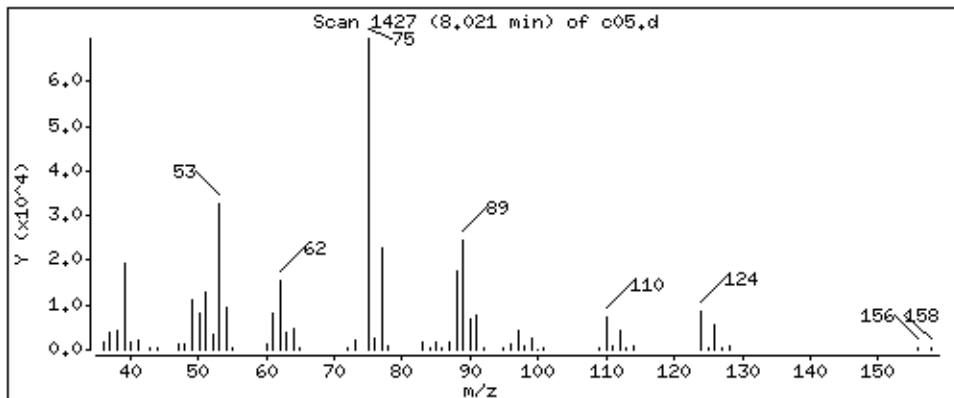
Operator: ala

Column phase: DB-624

Column diameter: 0,18

71 trans-1,4-Dichloro-2-butene

Concentration: 172 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

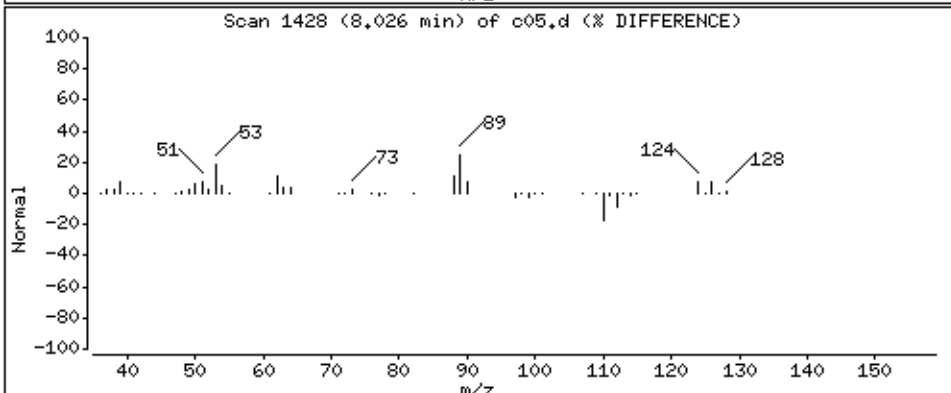
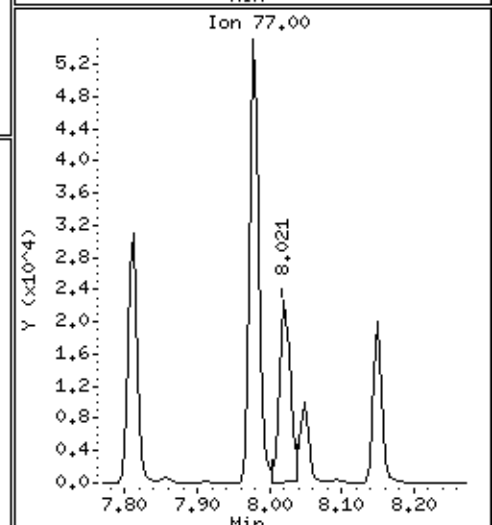
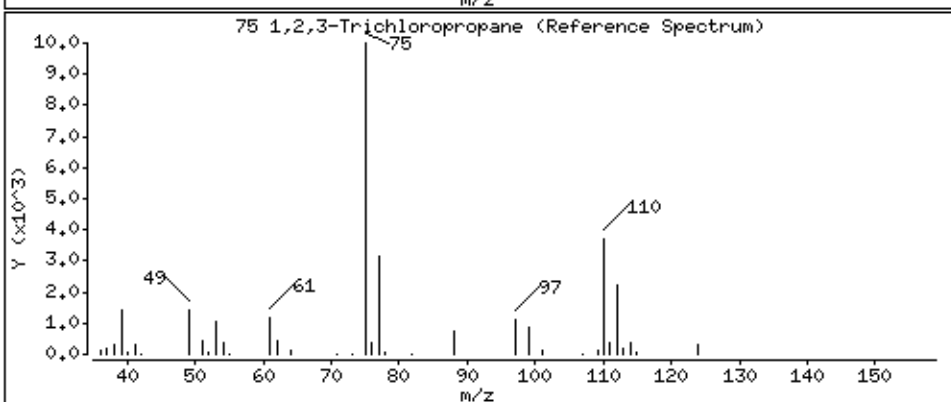
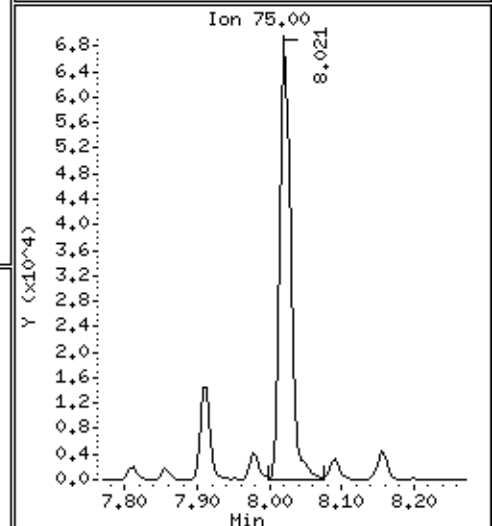
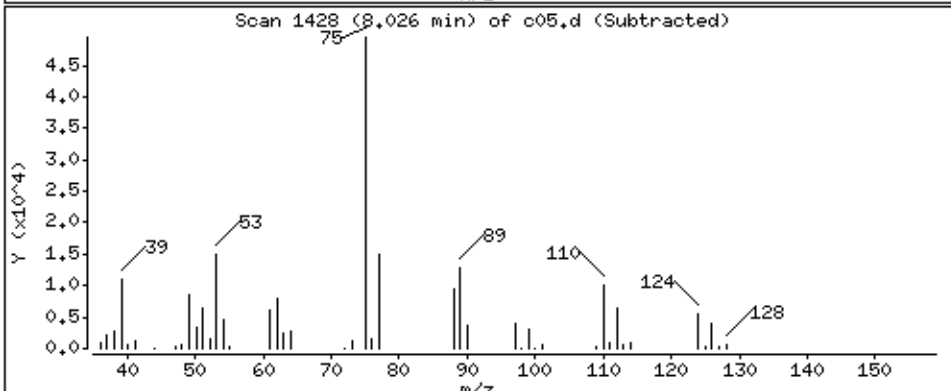
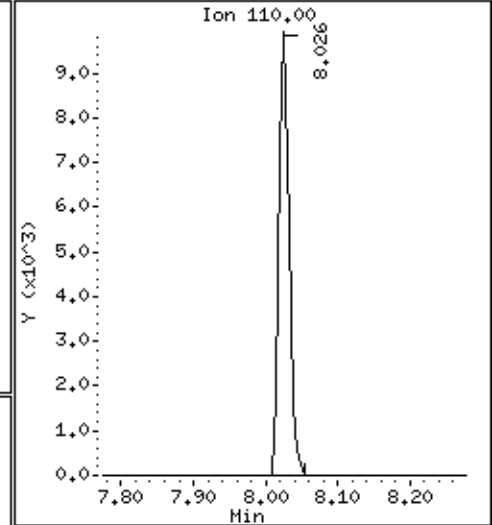
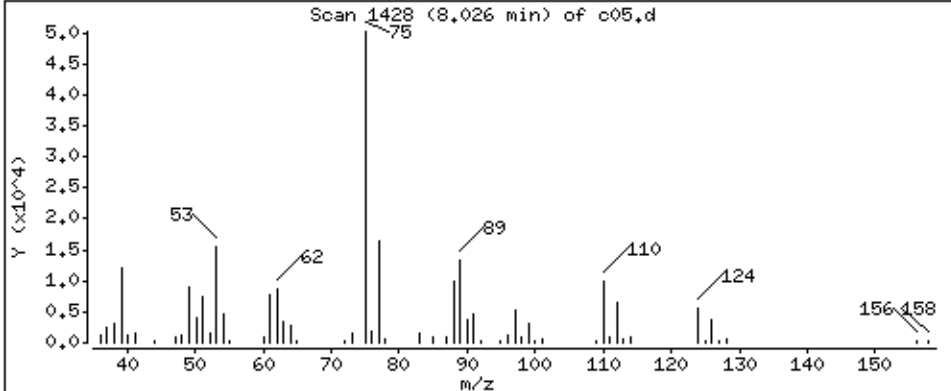
Operator: ala

Column phase: DB-624

Column diameter: 0,18

75 1,2,3-Trichloropropane

Concentration: 56,4 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

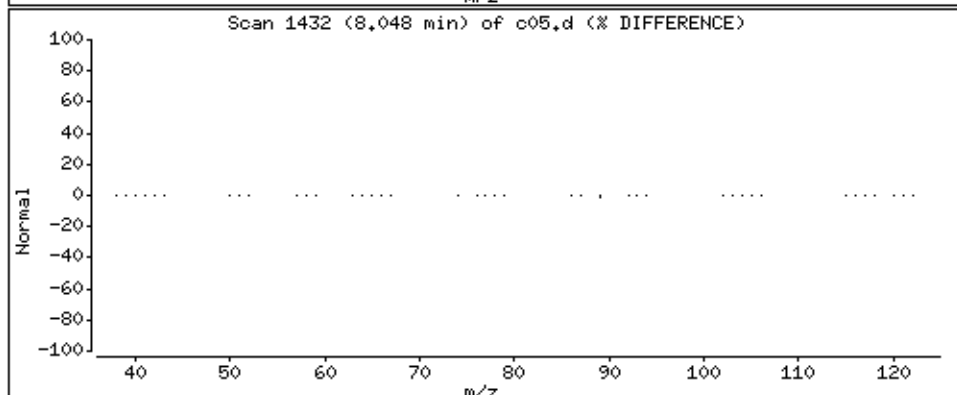
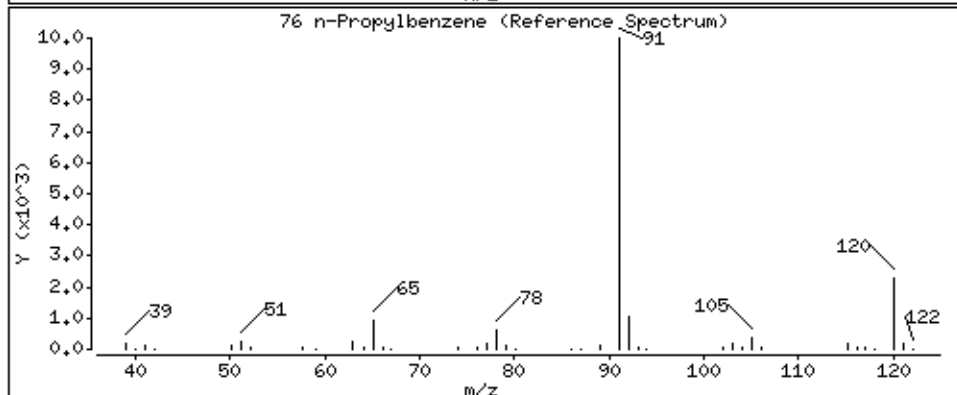
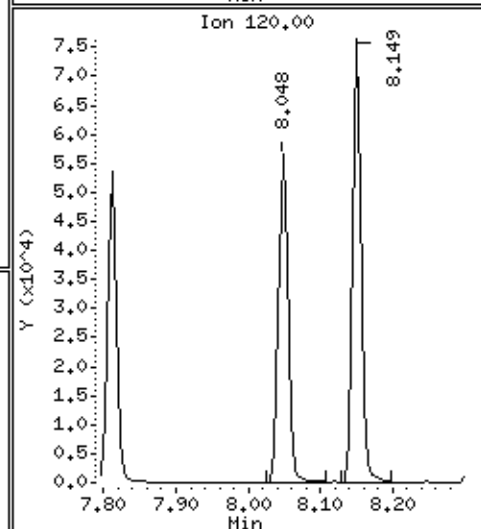
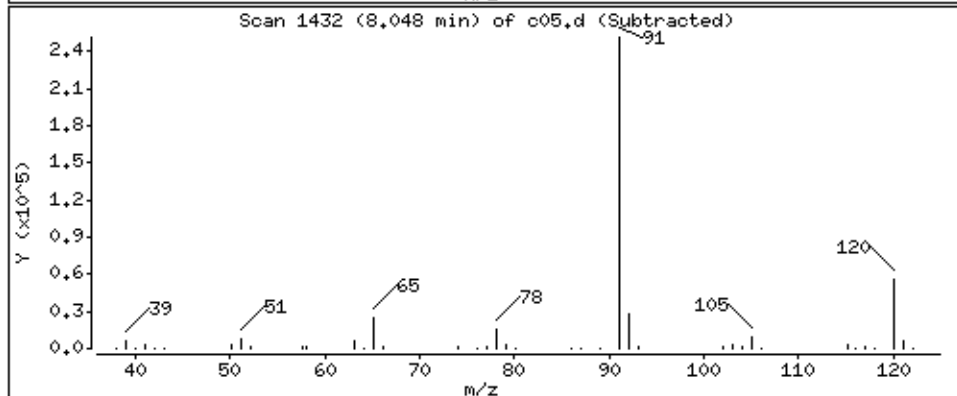
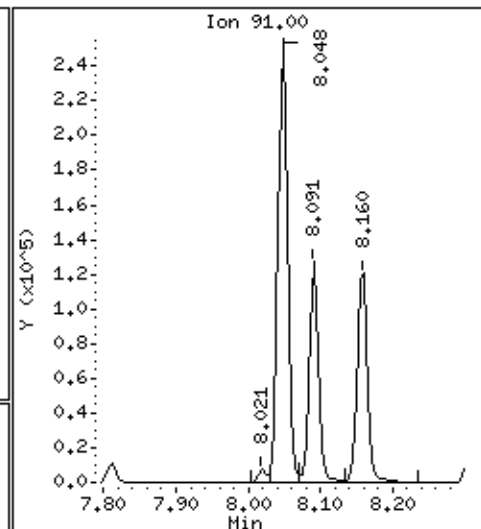
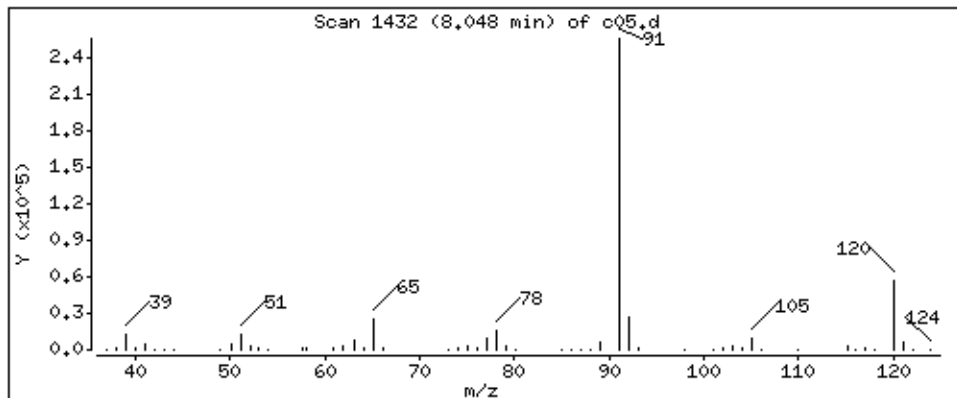
Operator: ala

Column phase: DB-624

Column diameter: 0,18

76 n-Propylbenzene

Concentration: 68,2 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

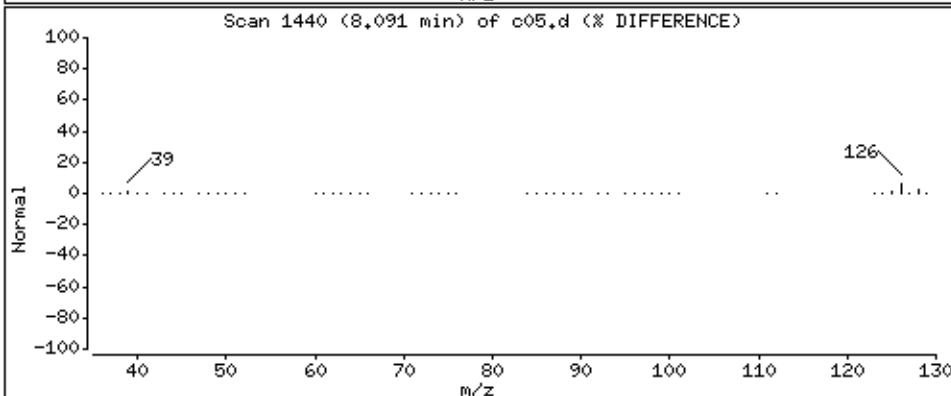
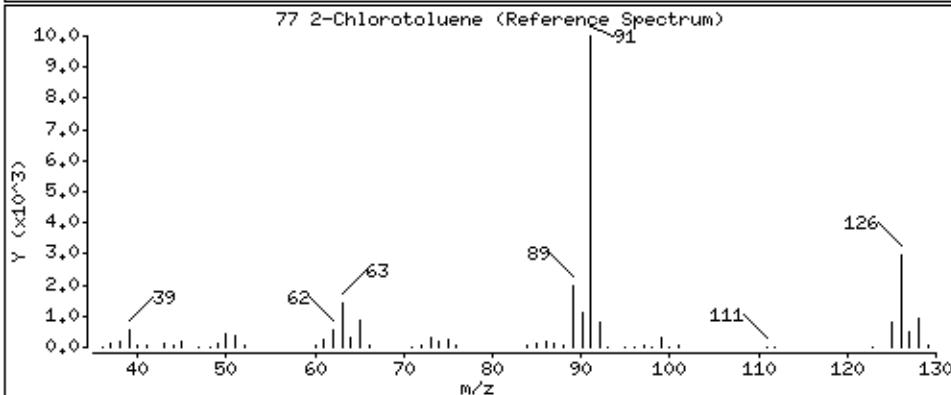
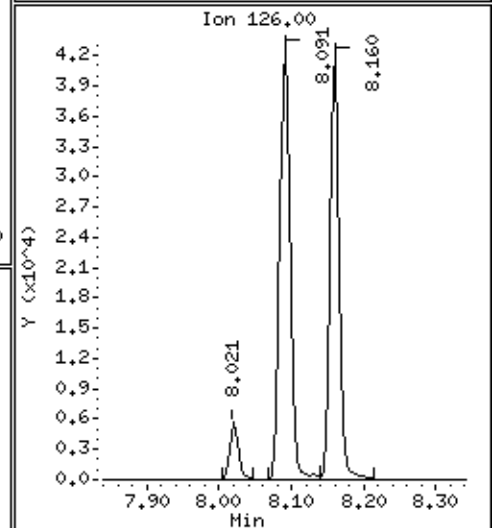
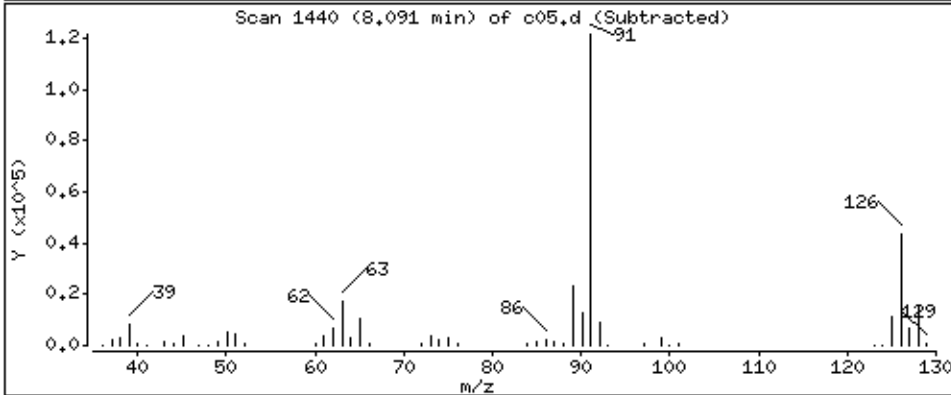
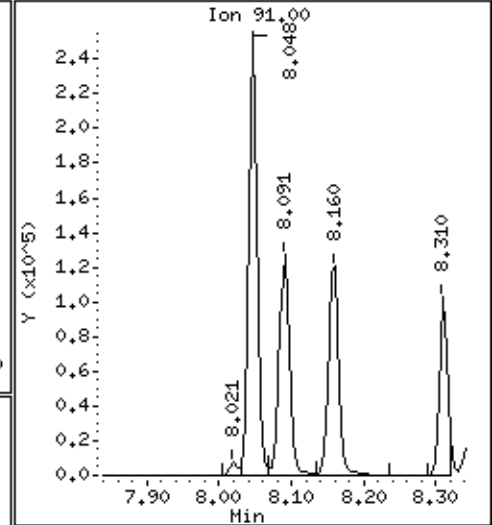
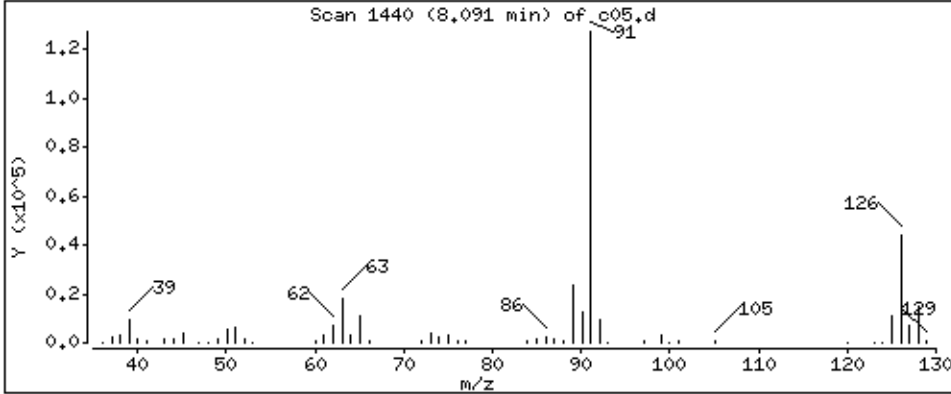
Operator: ala

Column phase: DB-624

Column diameter: 0,18

77 2-Chlorotoluene

Concentration: 65,7 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

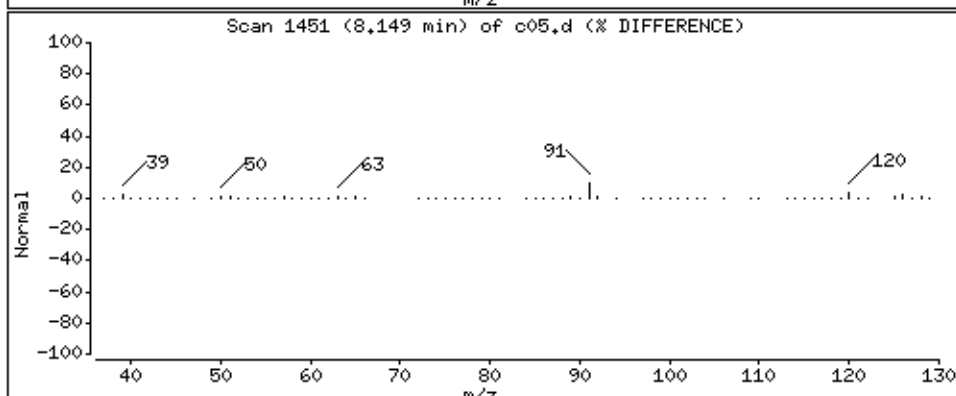
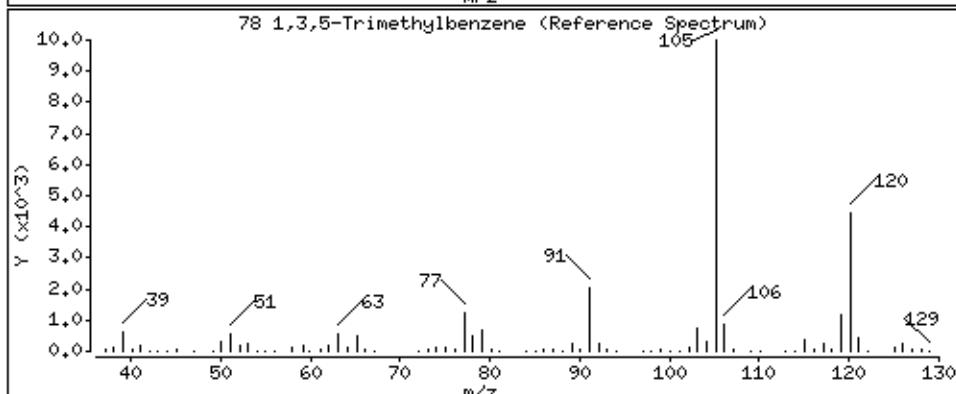
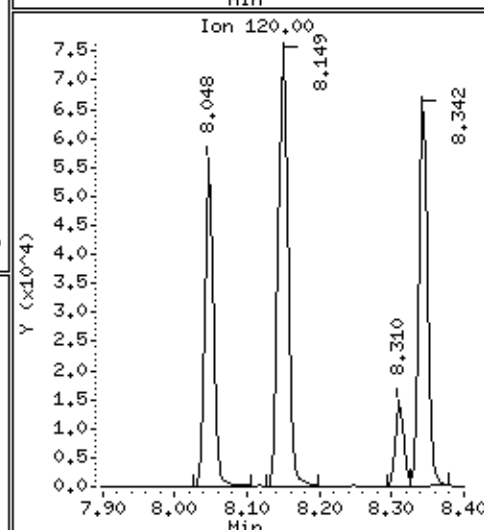
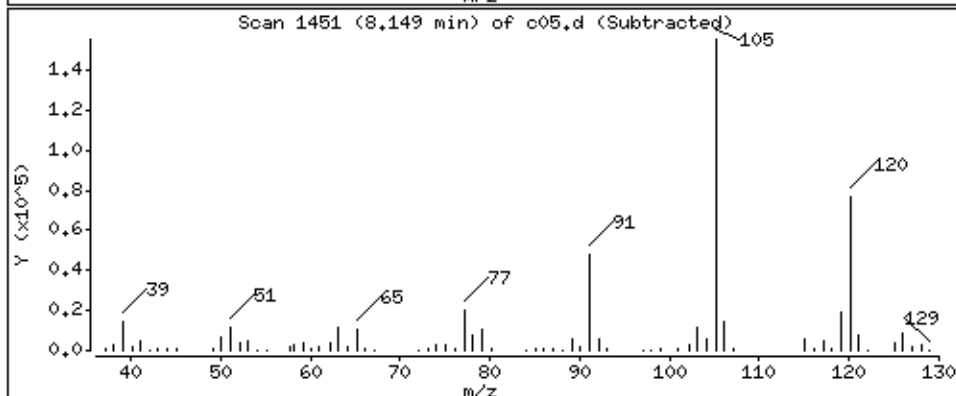
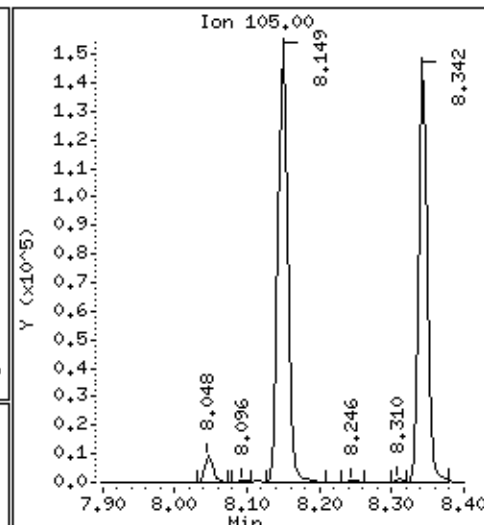
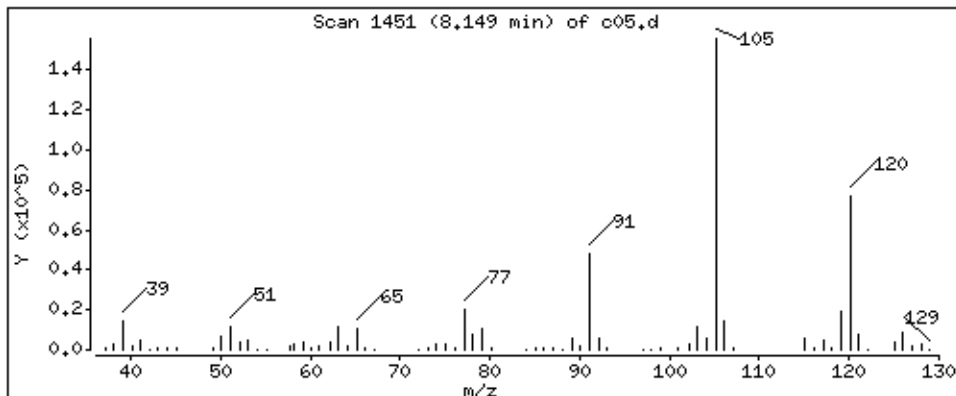
Operator: ala

Column phase: DB-624

Column diameter: 0,18

78 1,3,5-Trimethylbenzene

Concentration: 66,8 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

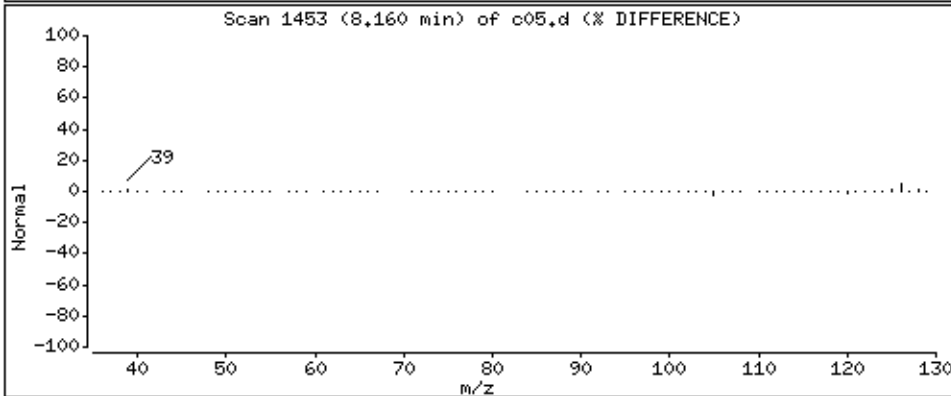
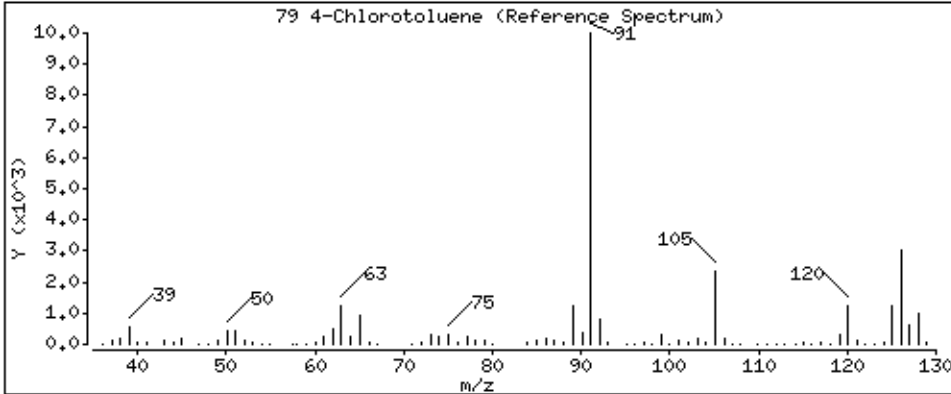
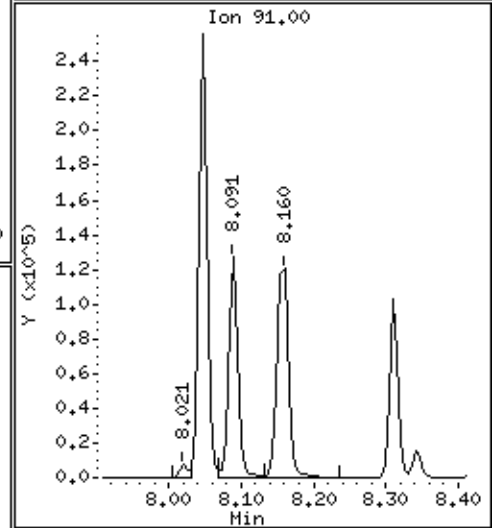
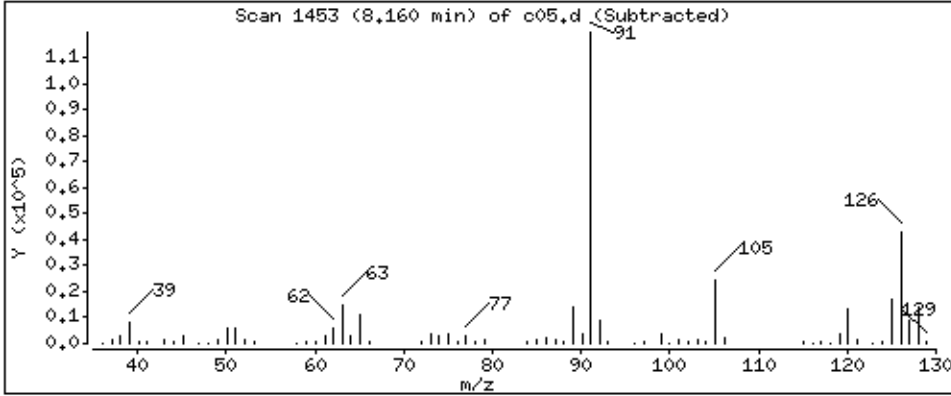
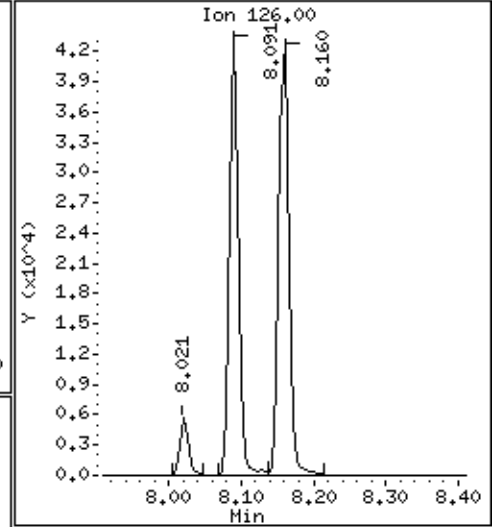
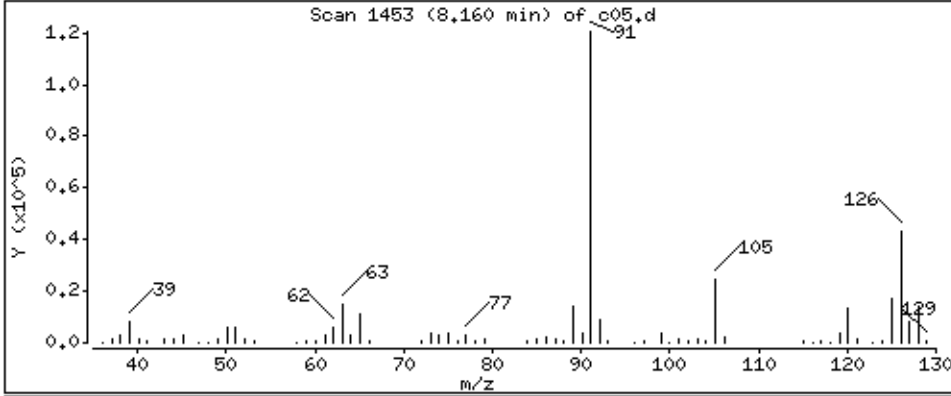
Operator: ala

Column phase: DB-624

Column diameter: 0,18

79 4-Chlorotoluene

Concentration: 63,0 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

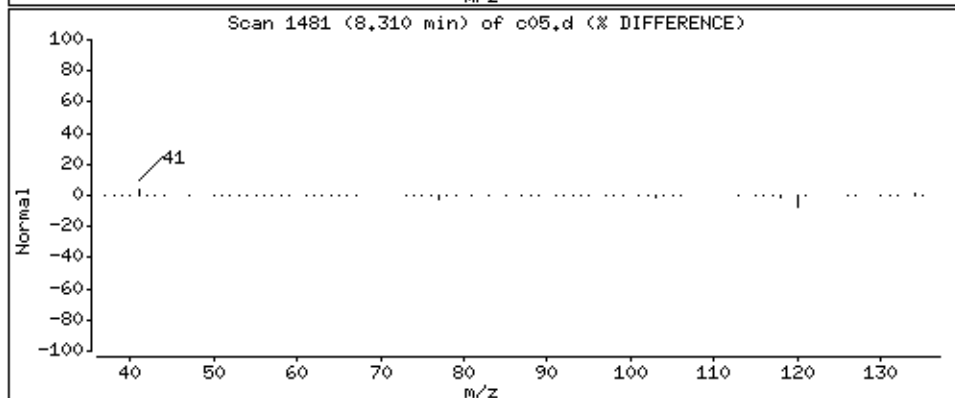
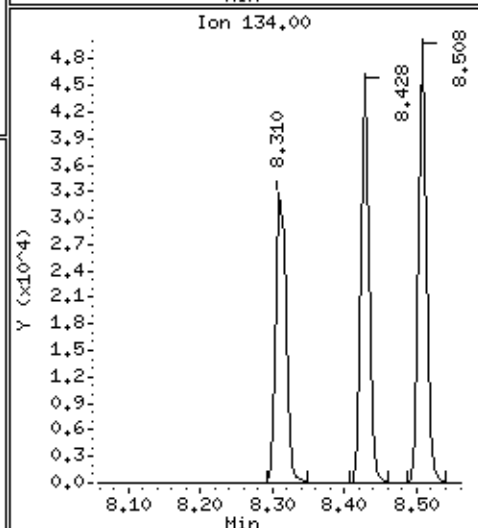
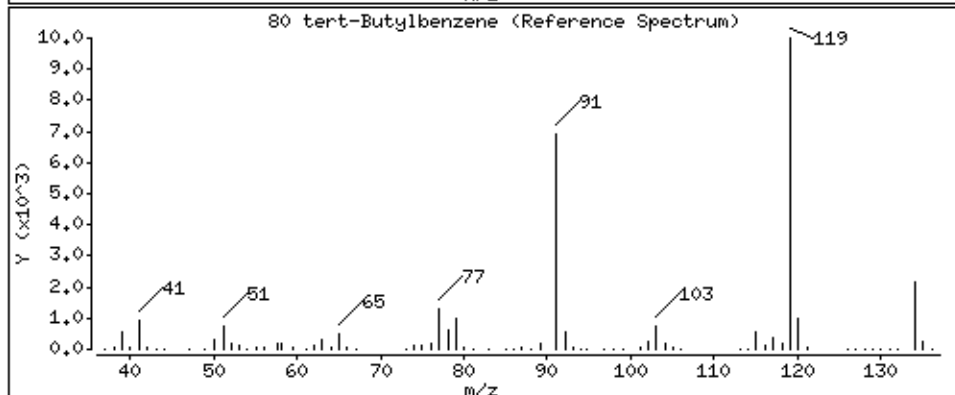
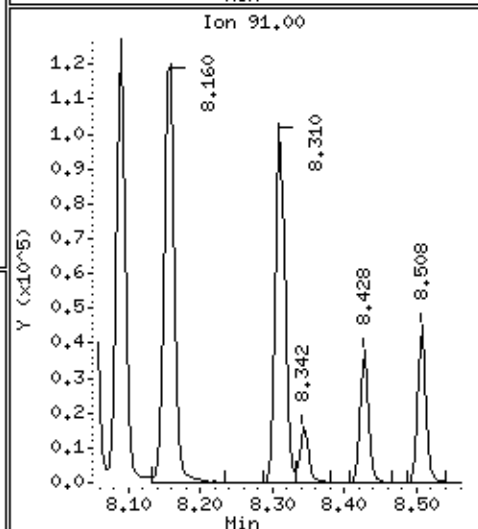
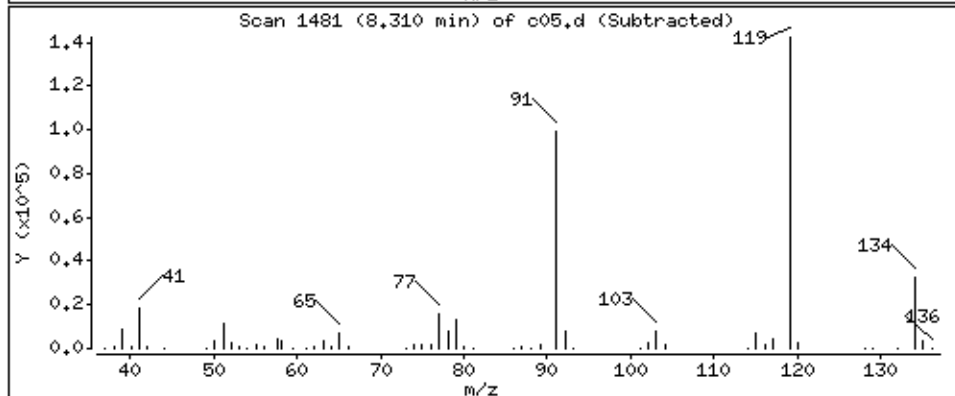
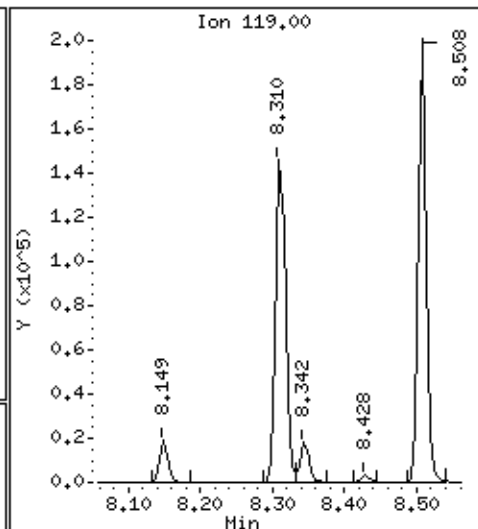
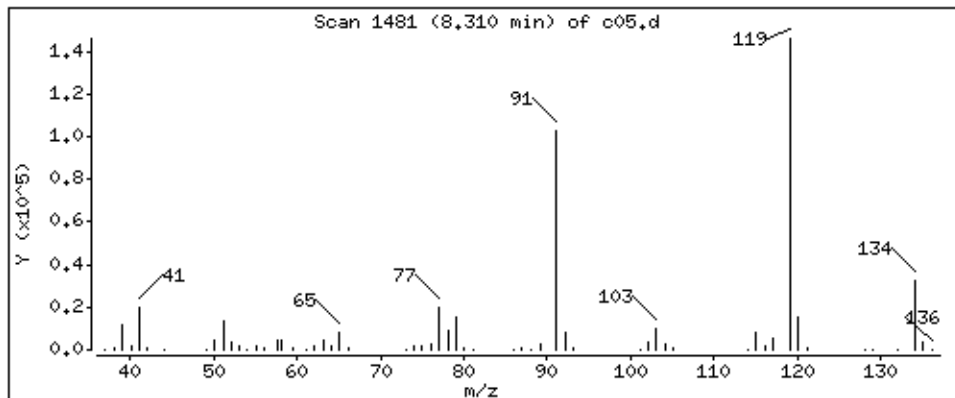
Operator: ala

Column phase: DB-624

Column diameter: 0,18

80 tert-Butylbenzene

Concentration: 54,1 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

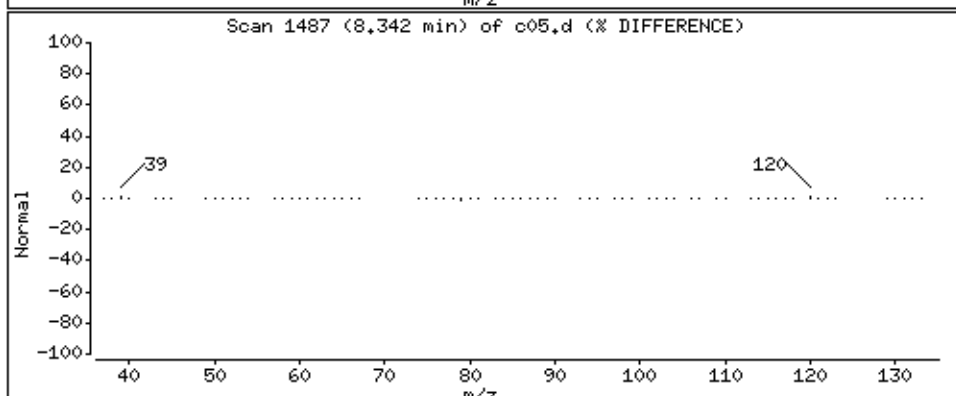
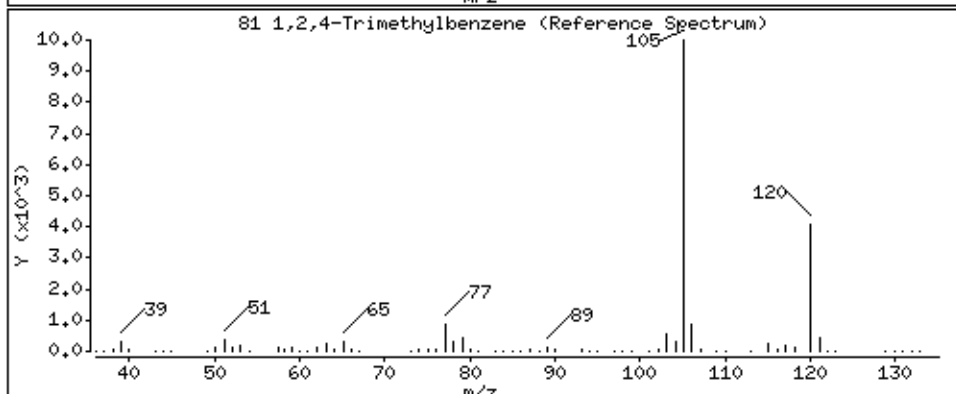
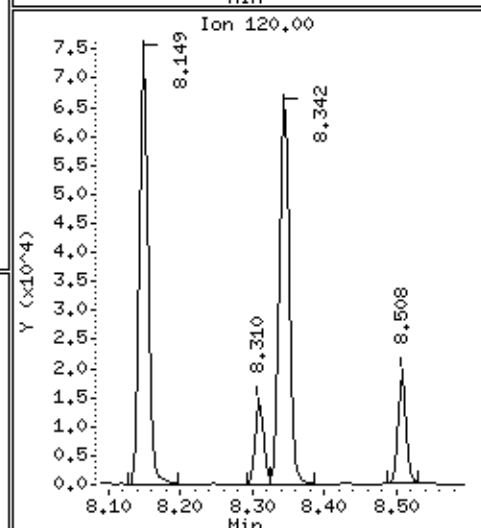
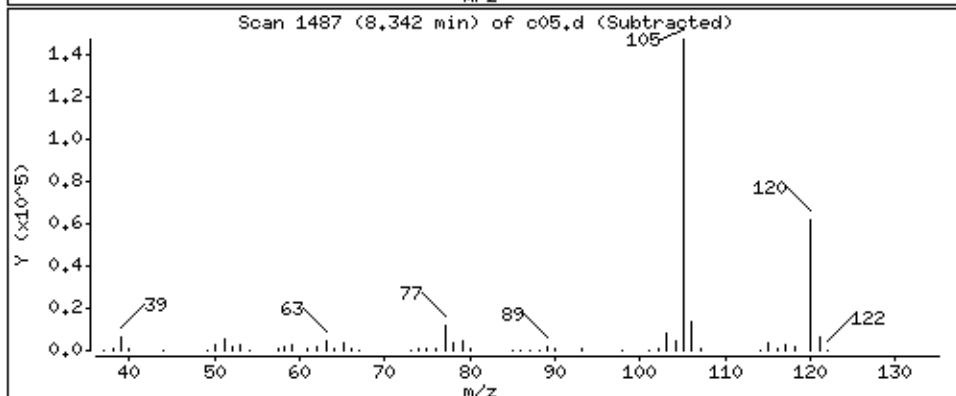
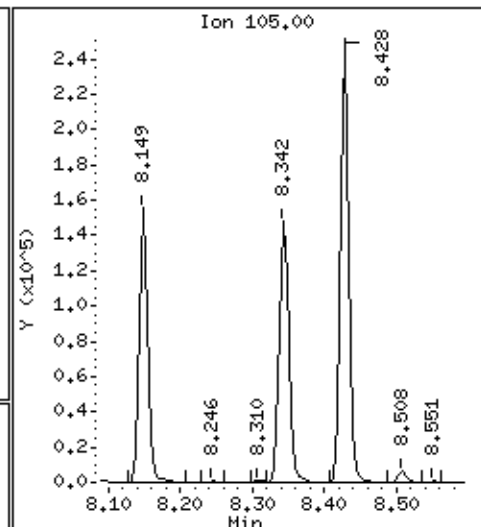
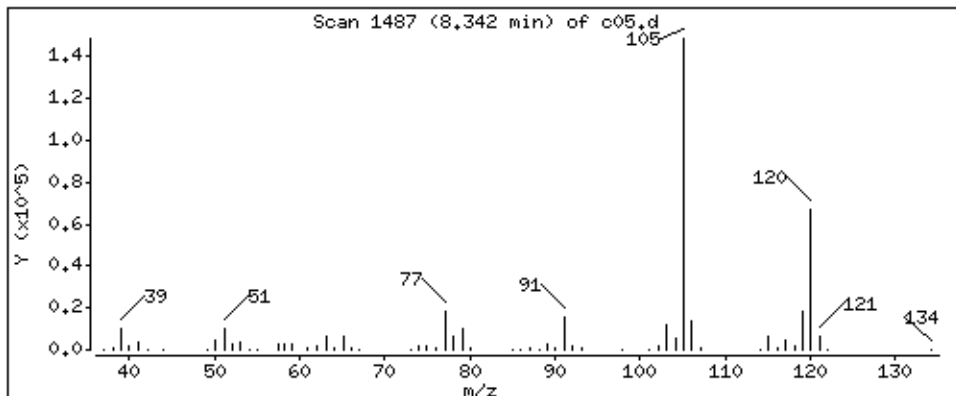
Operator: ala

Column phase: DB-624

Column diameter: 0,18

81 1,2,4-Trimethylbenzene

Concentration: 64,7 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

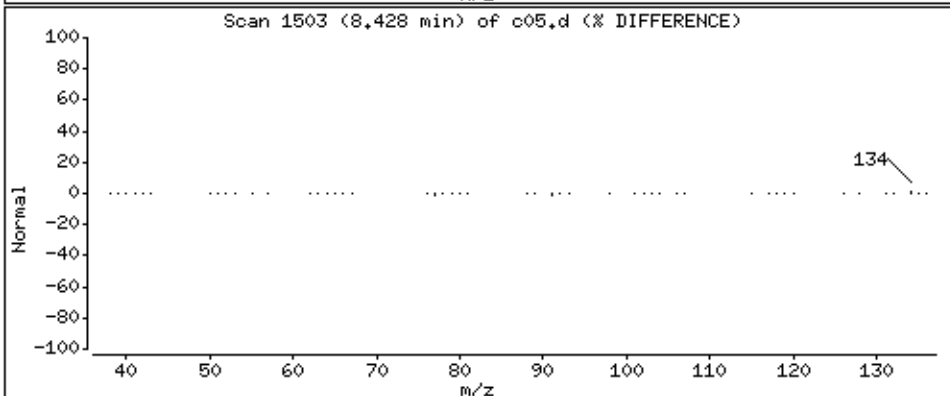
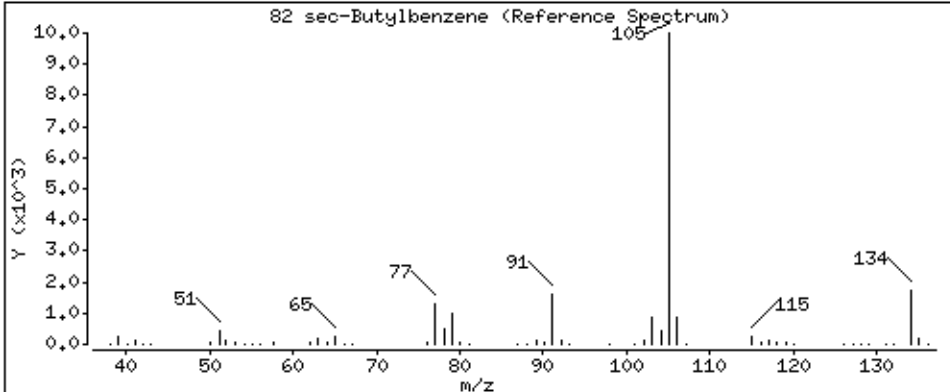
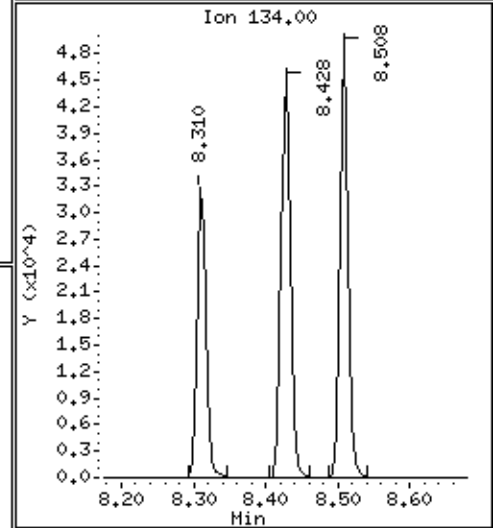
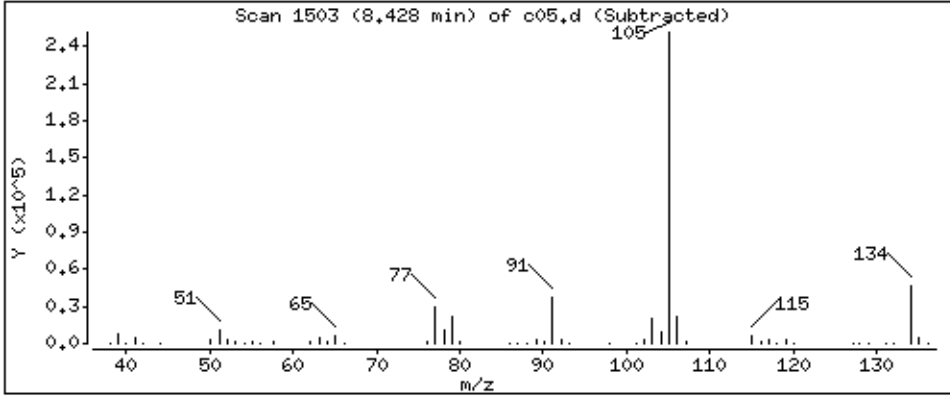
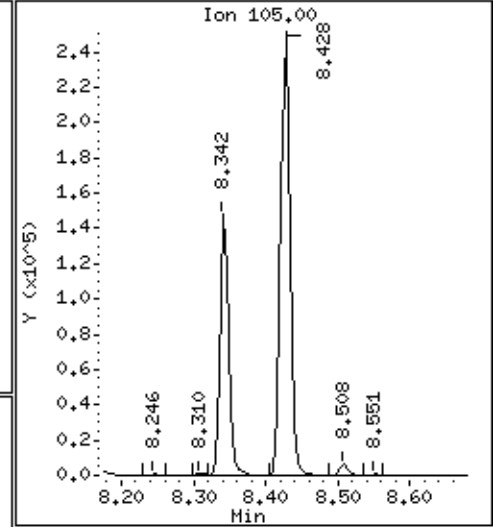
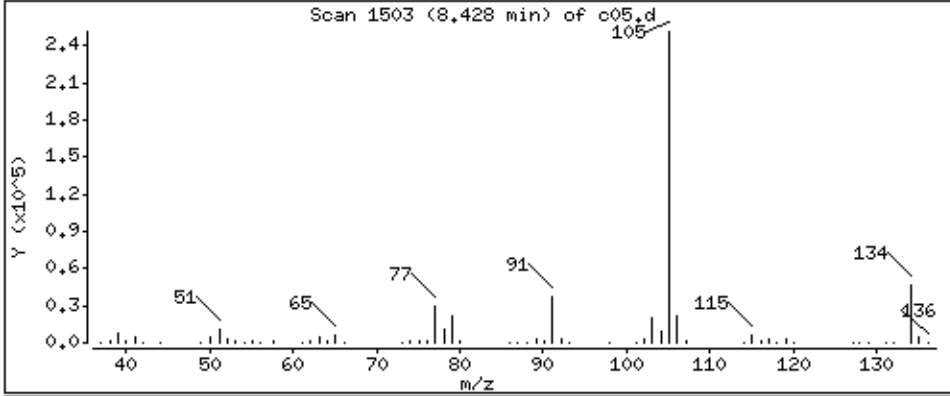
Operator: ala

Column phase: DB-624

Column diameter: 0,18

82 sec-Butylbenzene

Concentration: 72.9 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

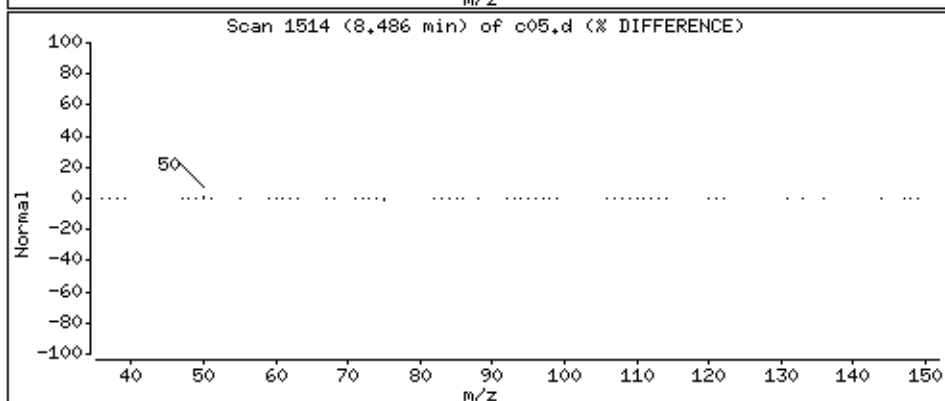
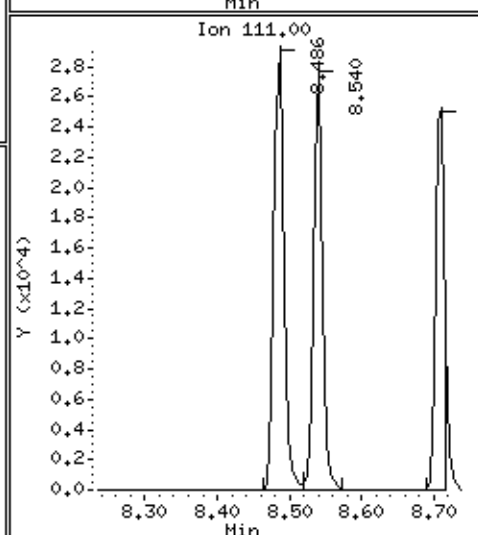
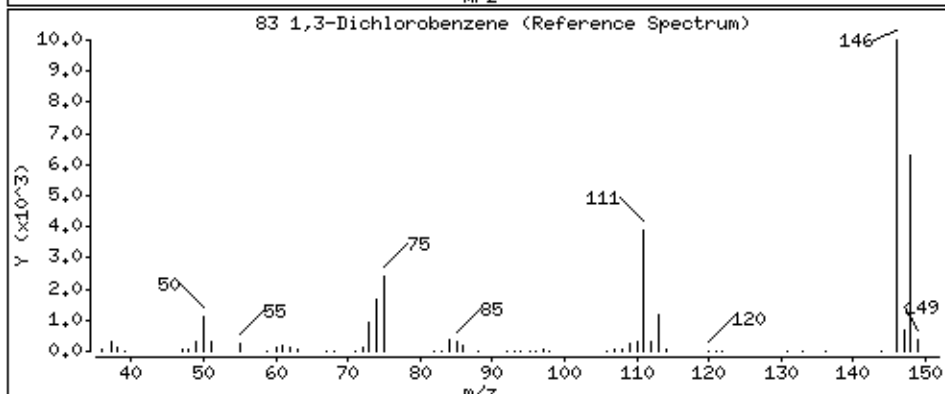
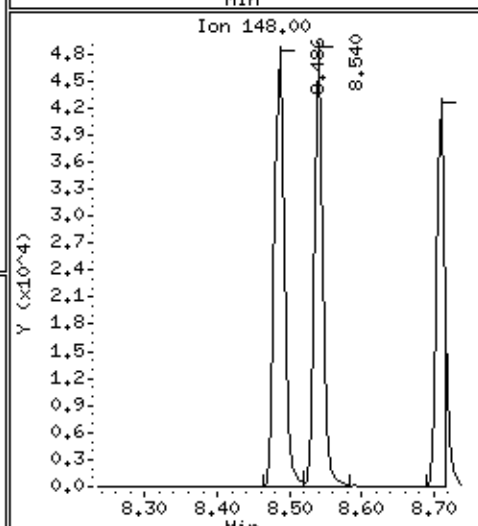
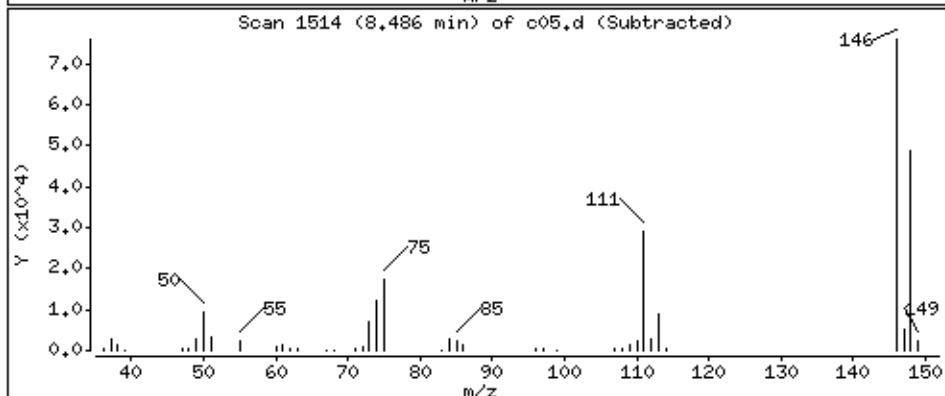
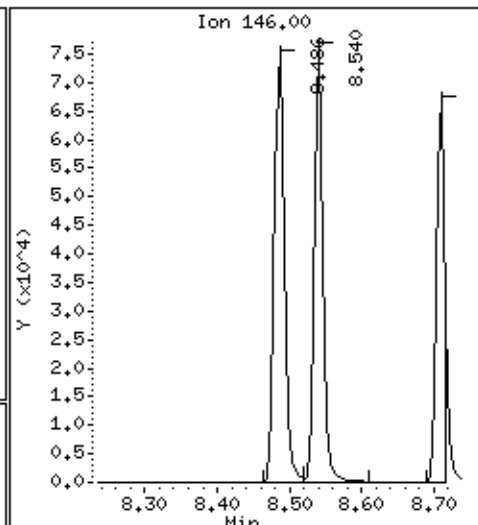
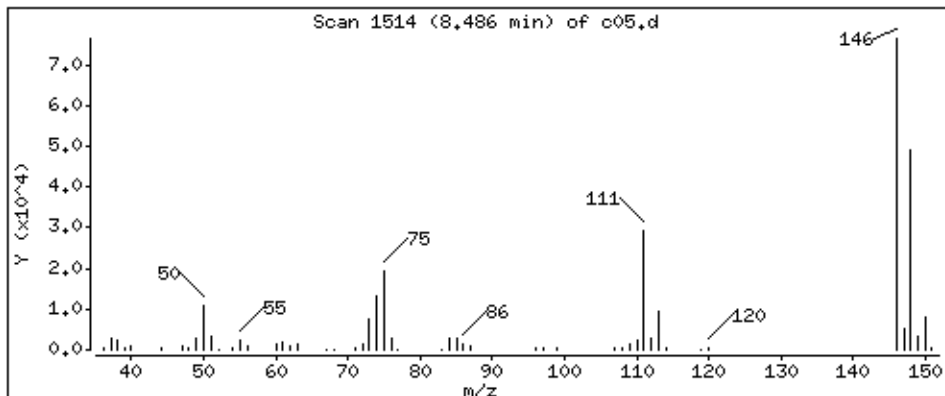
Operator: ala

Column phase: DB-624

Column diameter: 0,18

83 1,3-Dichlorobenzene

Concentration: 54,2 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

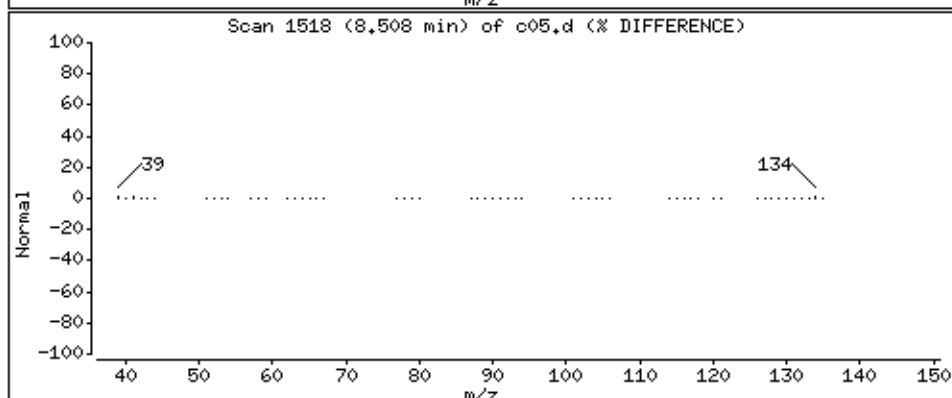
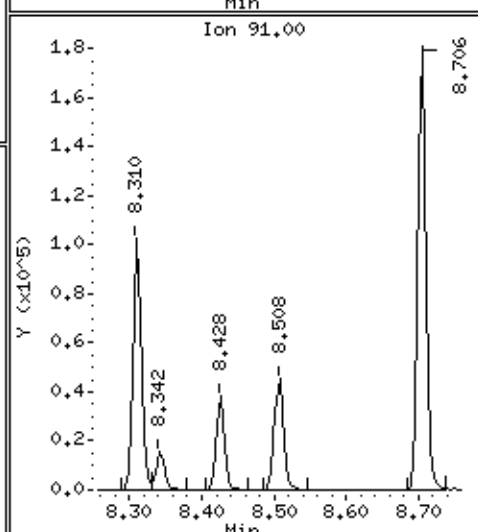
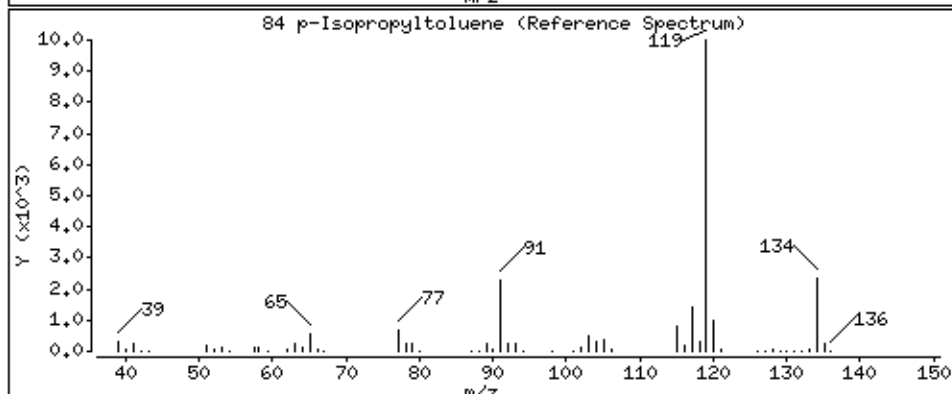
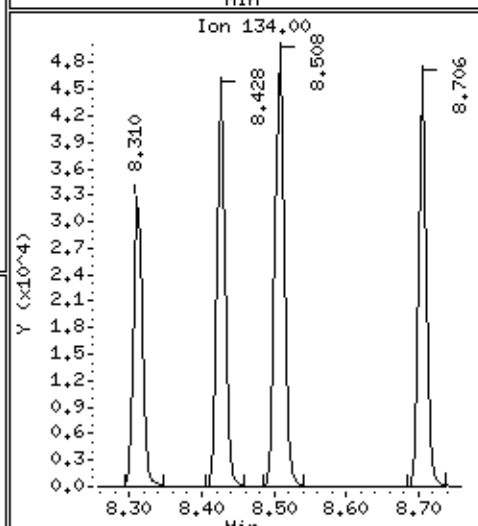
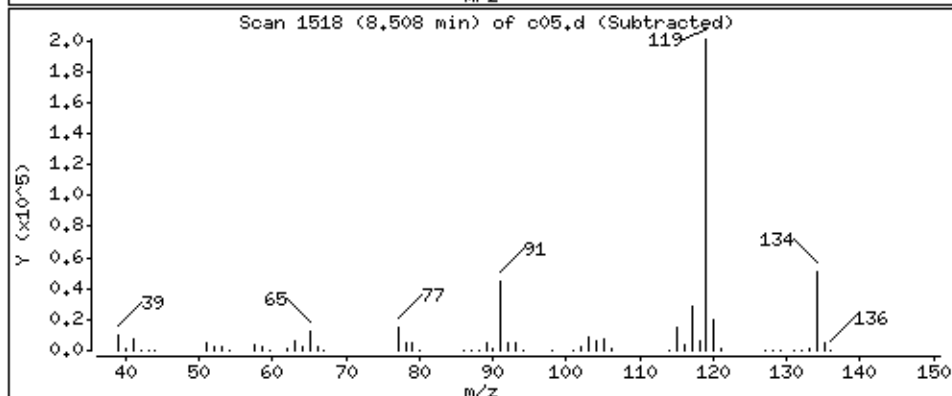
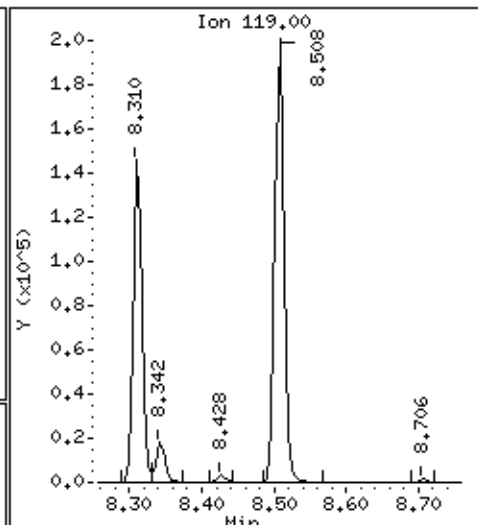
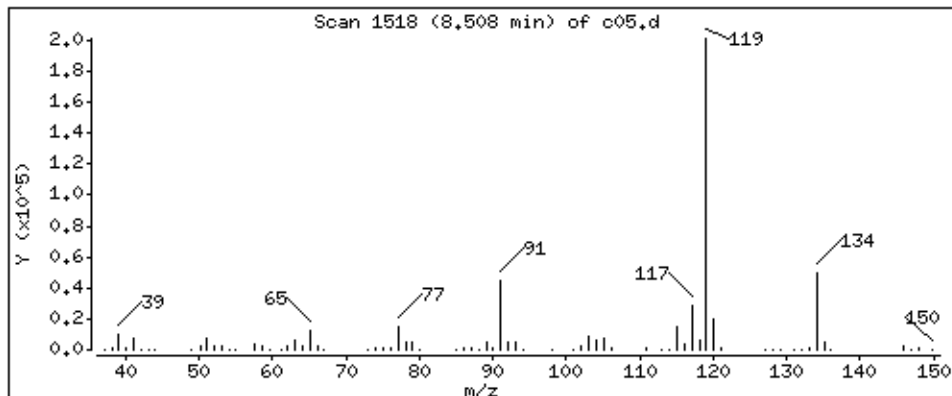
Operator: ala

Column phase: DB-624

Column diameter: 0,18

84 p-Isopropyltoluene

Concentration: 69,7 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

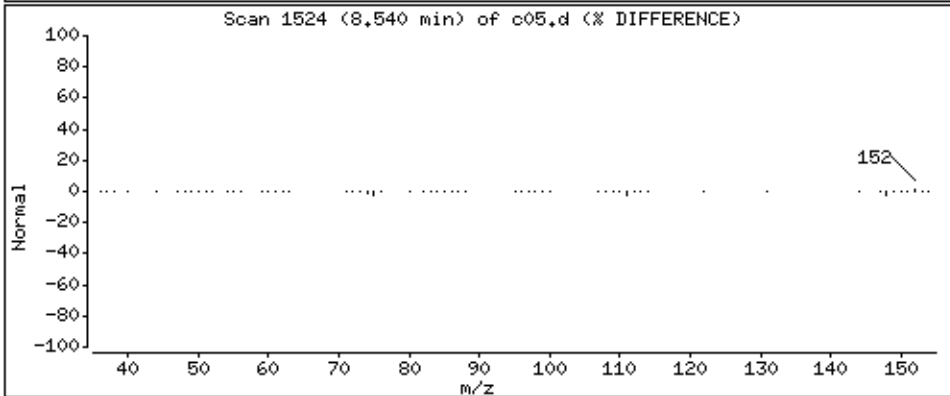
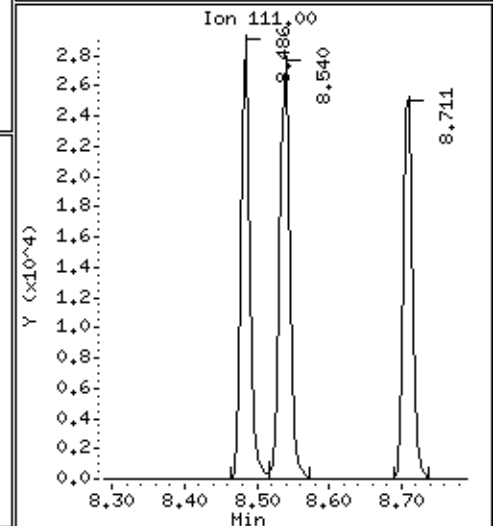
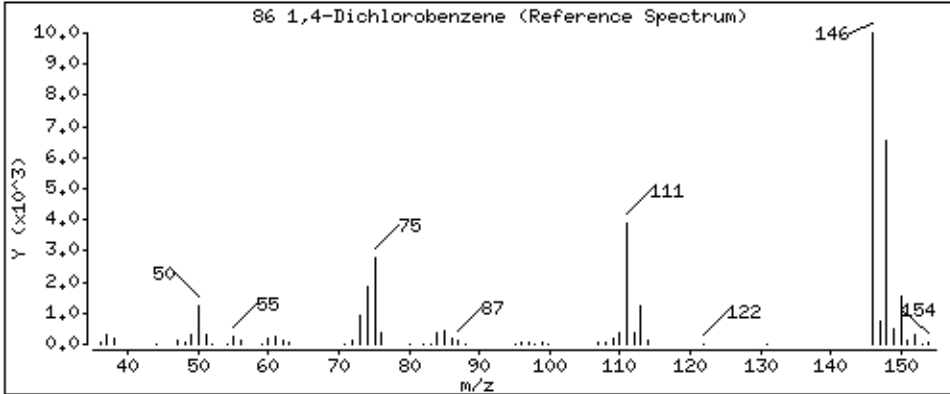
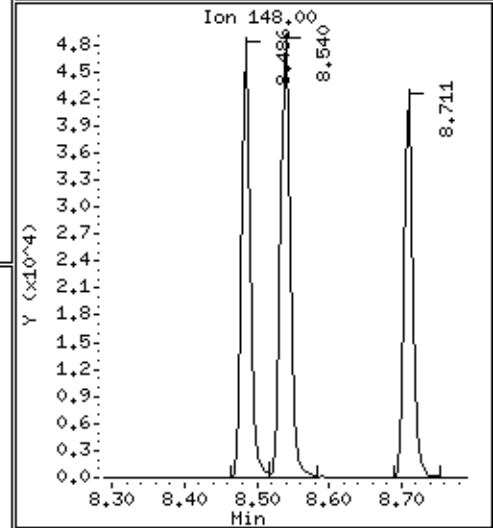
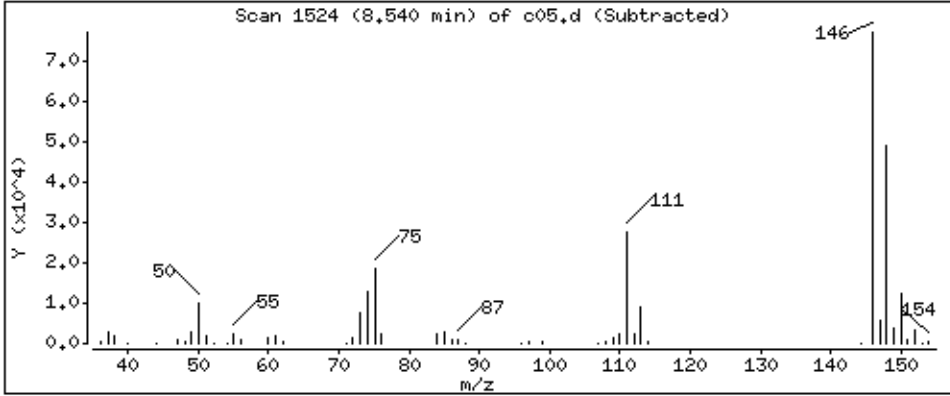
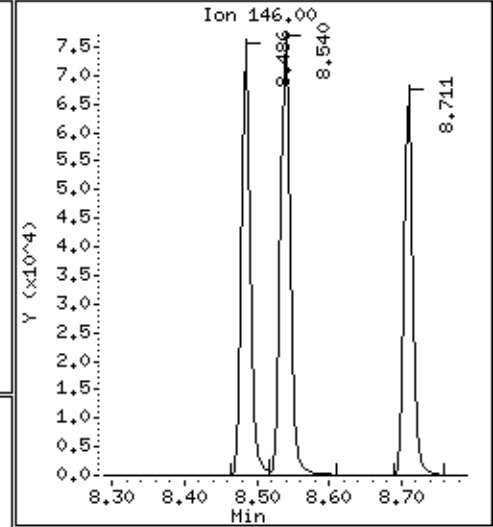
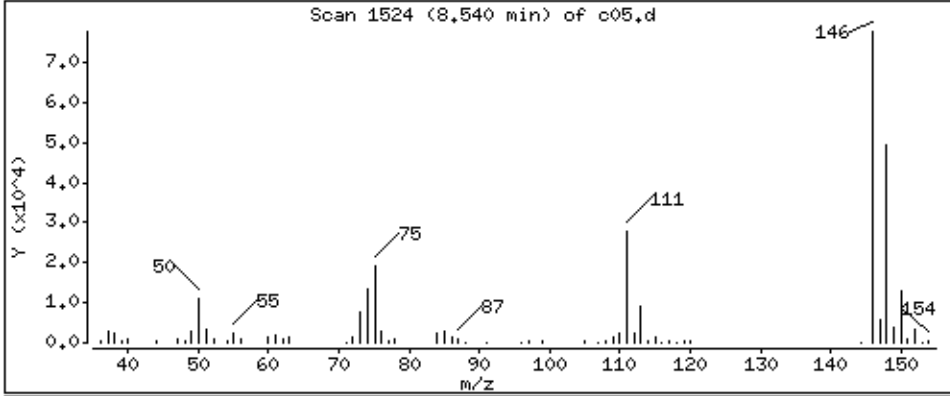
Operator: ala

Column phase: DB-624

Column diameter: 0,18

86 1,4-Dichlorobenzene

Concentration: 51.6 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

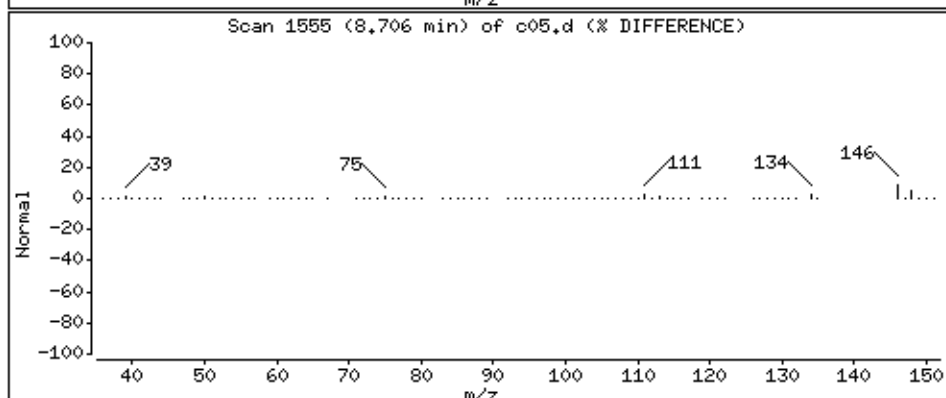
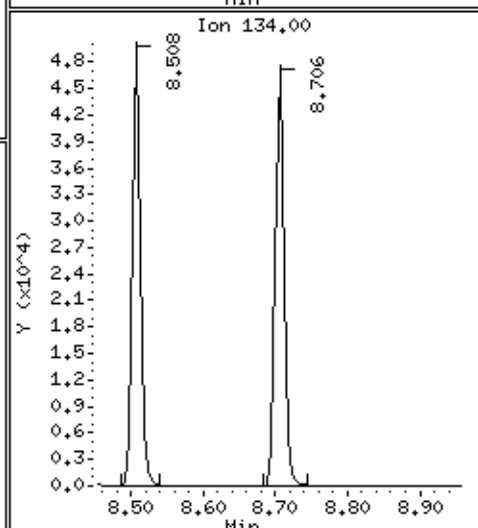
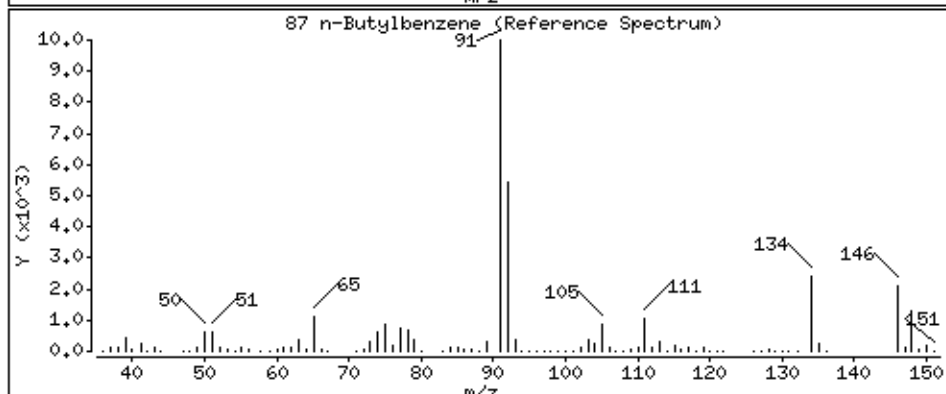
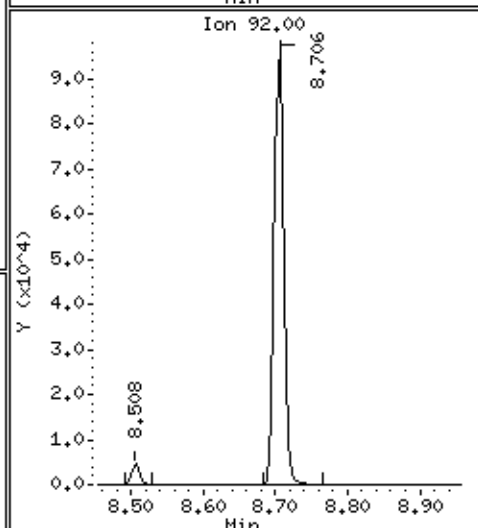
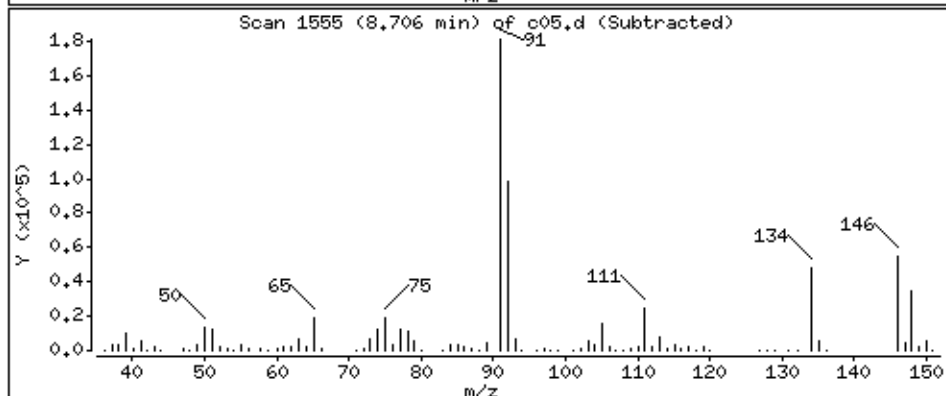
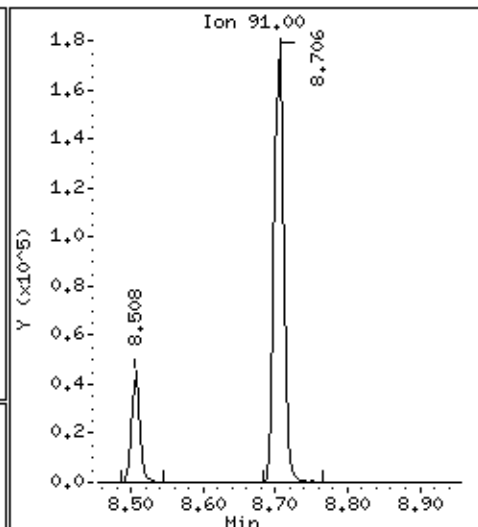
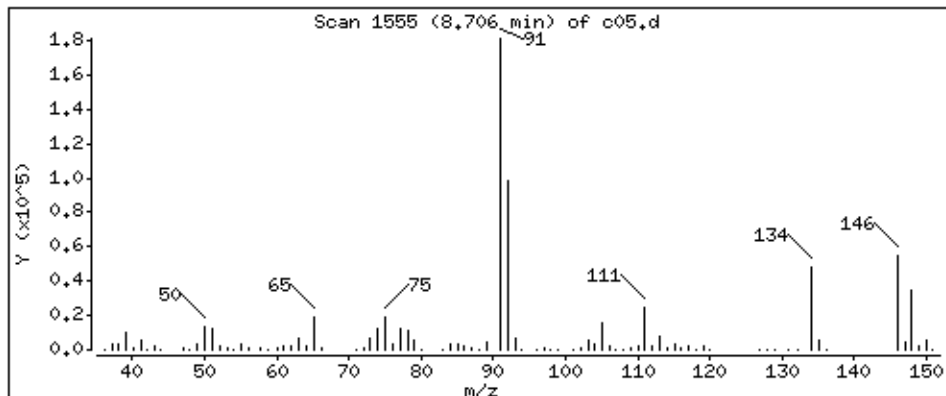
Operator: ala

Column phase: DB-624

Column diameter: 0,18

87 n-Butylbenzene

Concentration: 64,6 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

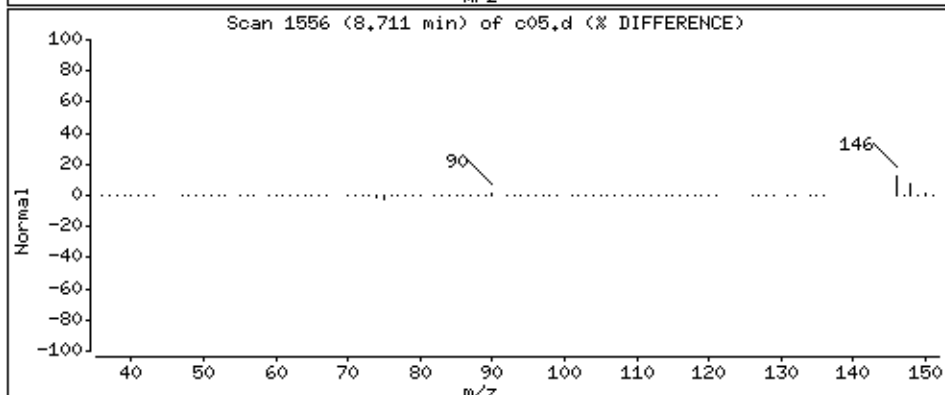
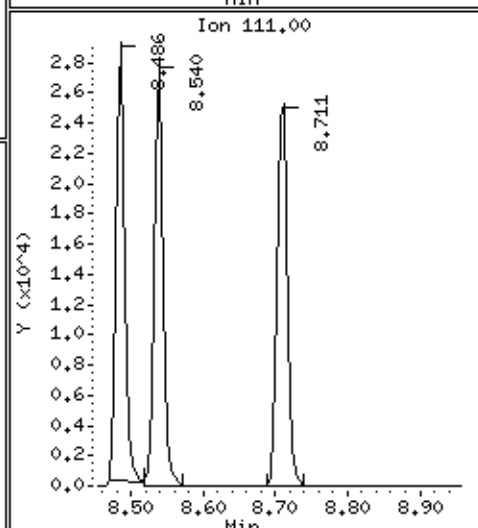
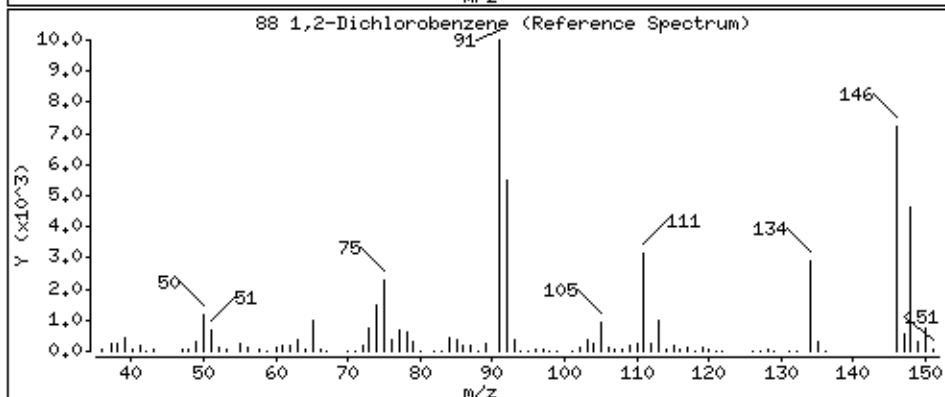
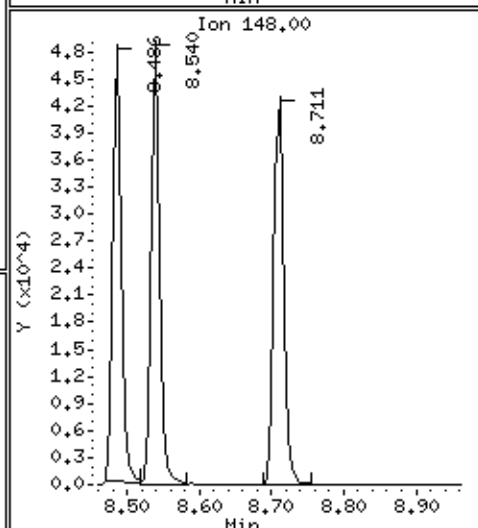
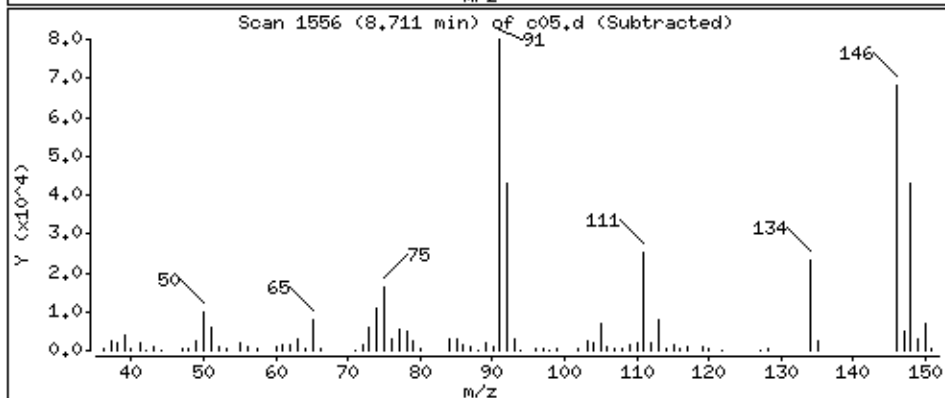
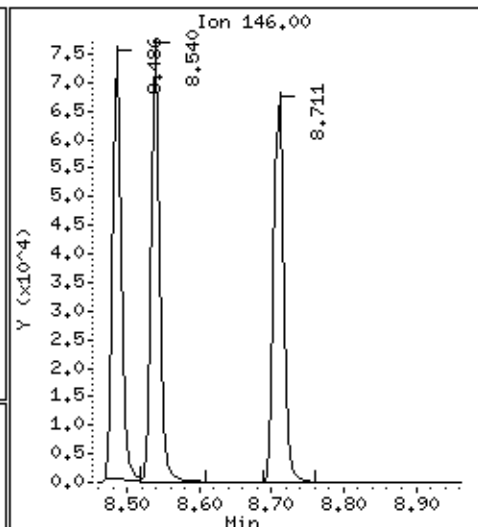
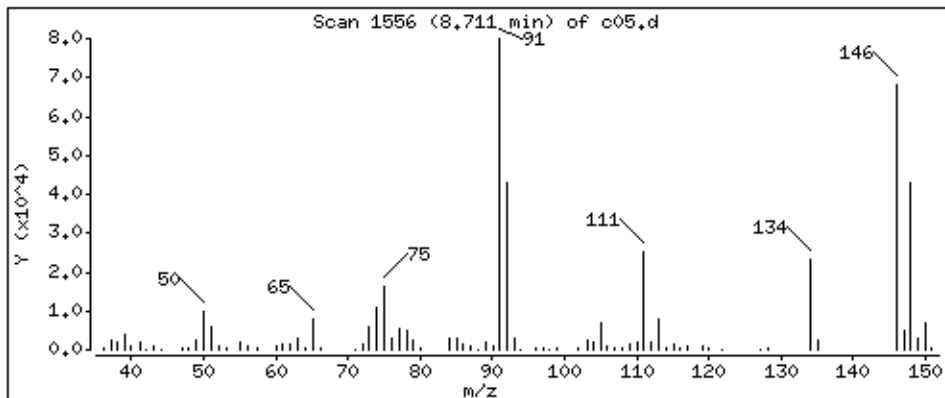
Operator: ala

Column phase: DB-624

Column diameter: 0,18

88 1,2-Dichlorobenzene

Concentration: 51.3 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

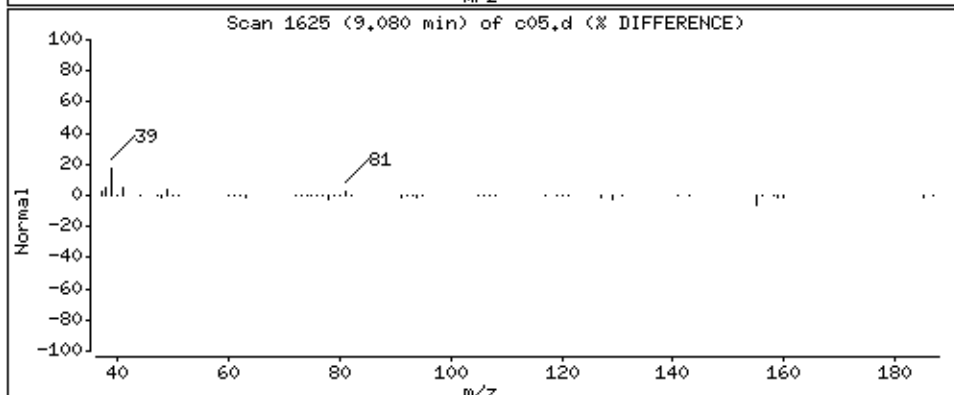
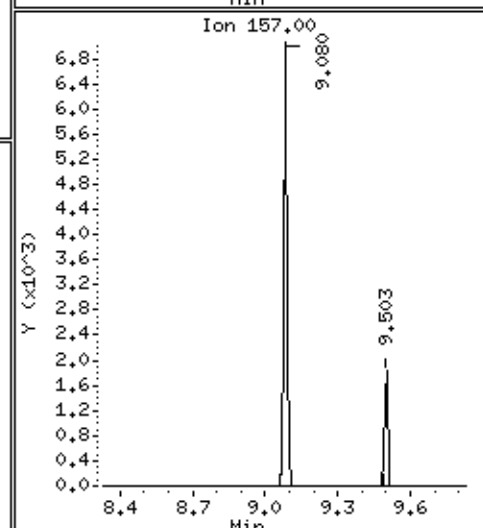
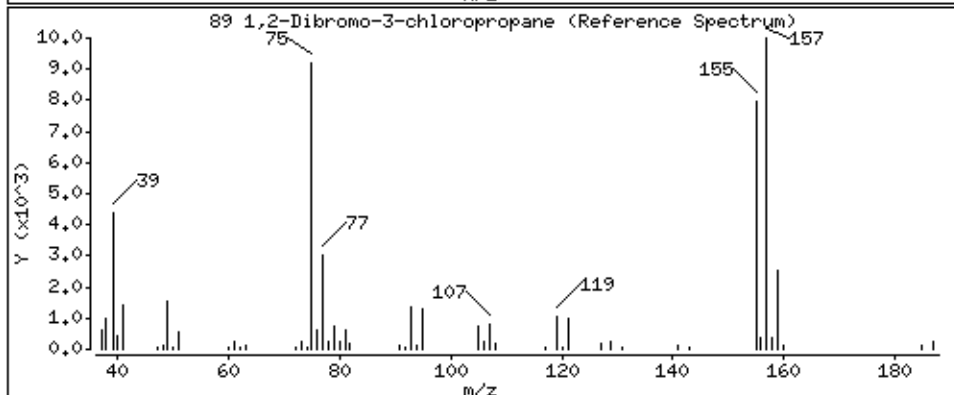
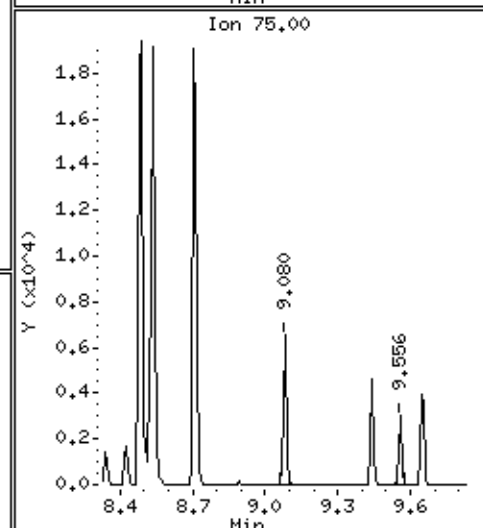
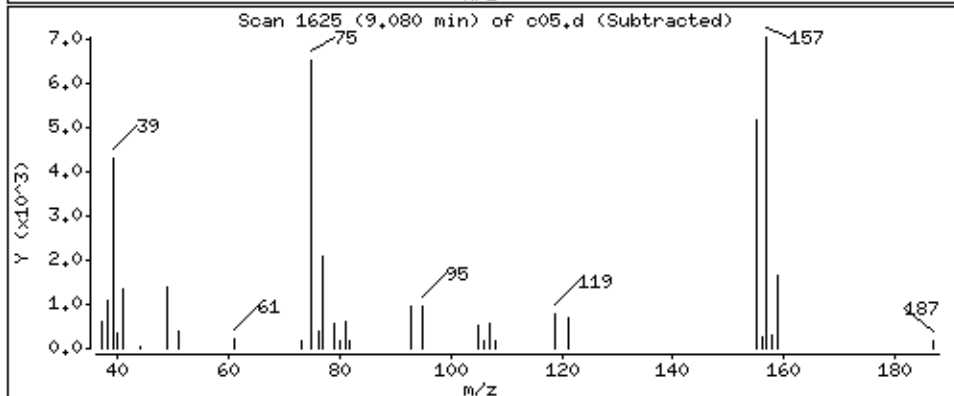
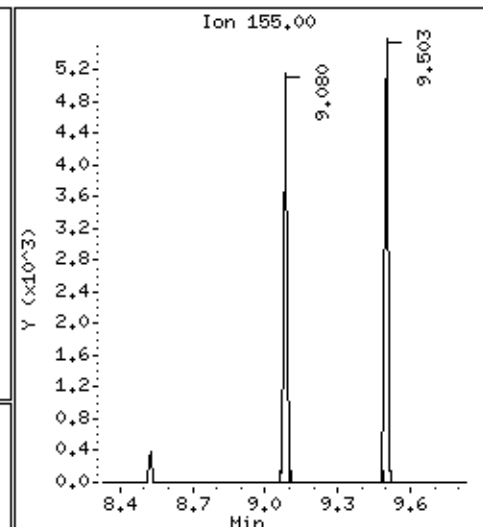
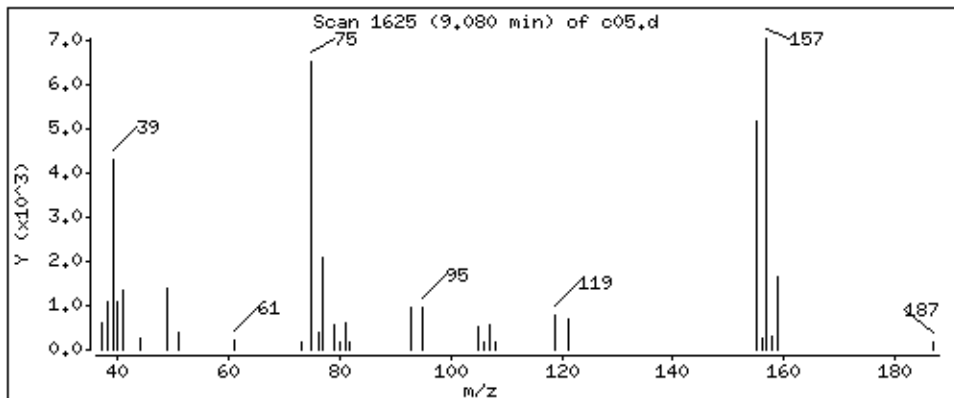
Operator: ala

Column phase: DB-624

Column diameter: 0,18

89 1,2-Dibromo-3-chloropropane

Concentration: 44,6 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730;5

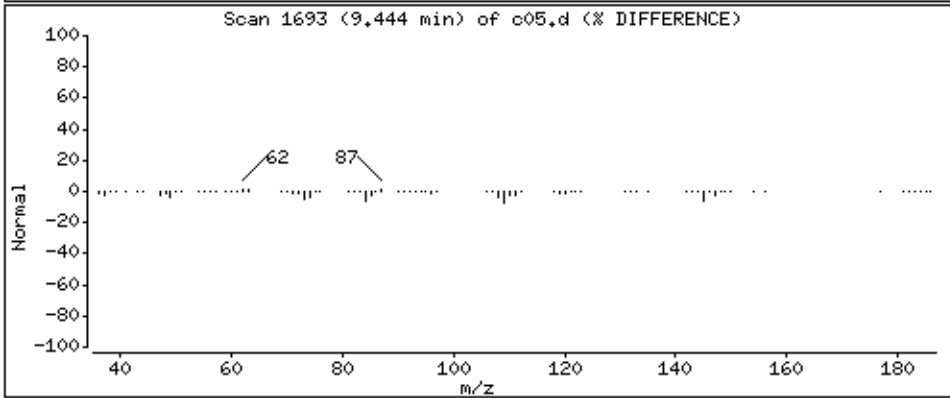
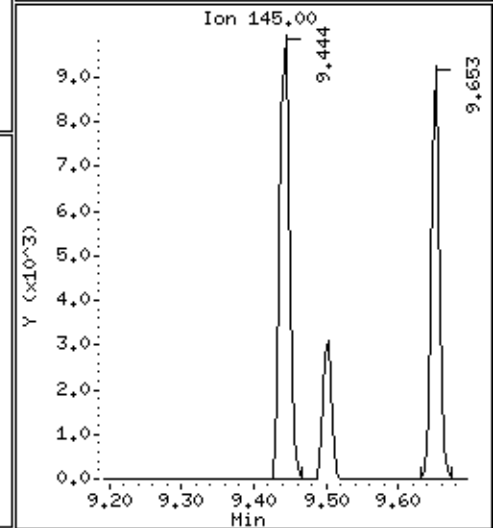
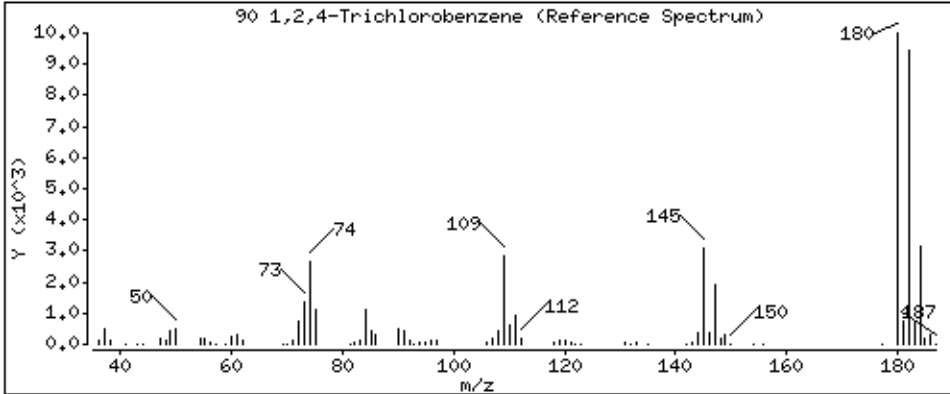
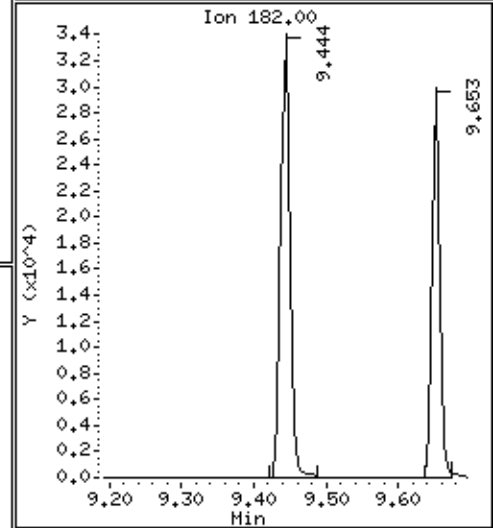
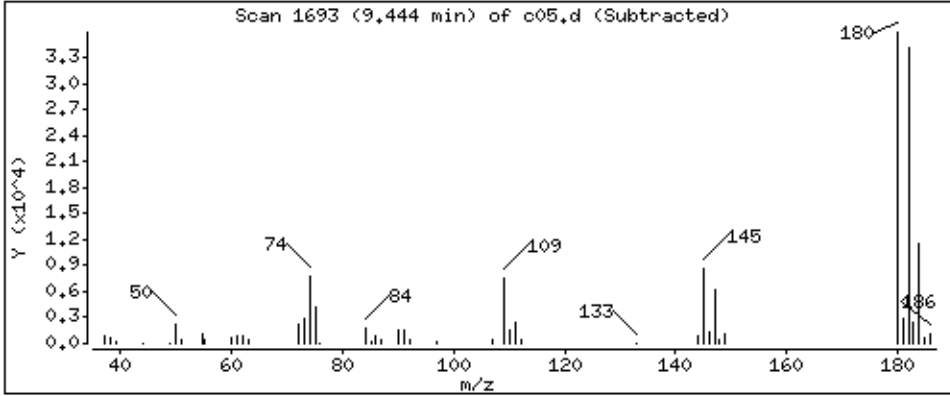
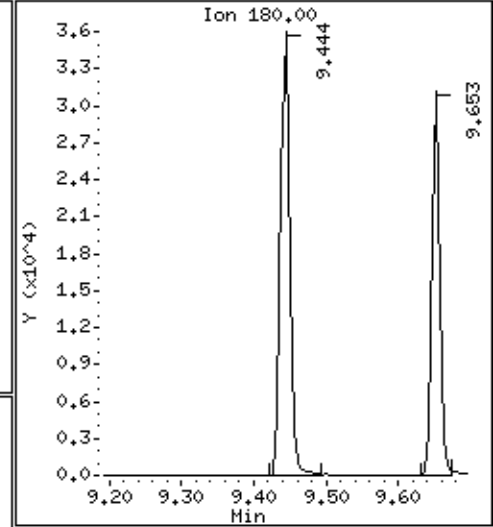
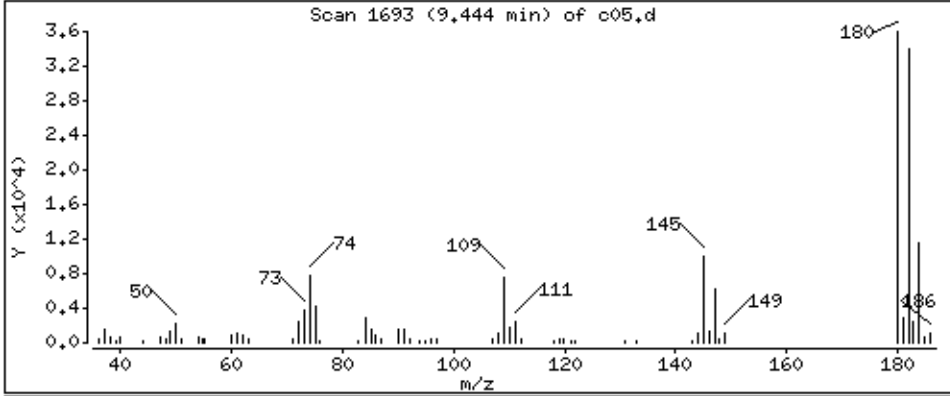
Operator: ala

Column phase: DB-624

Column diameter: 0,18

90 1,2,4-Trichlorobenzene

Concentration: 35,8 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

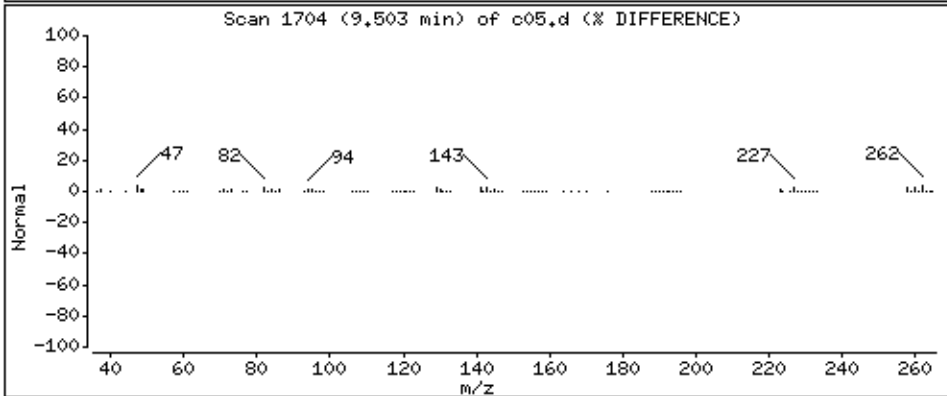
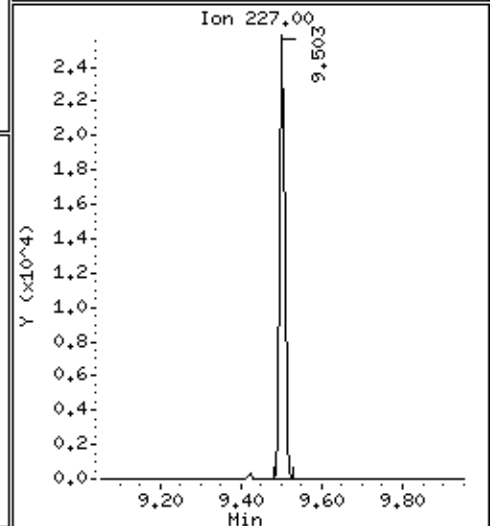
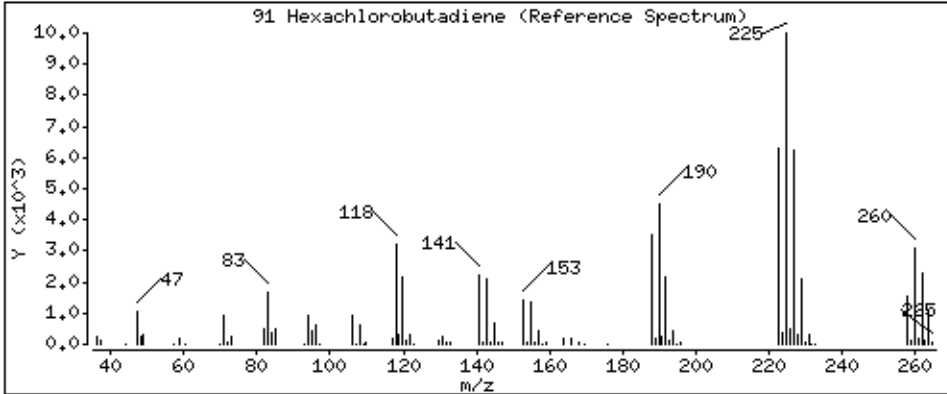
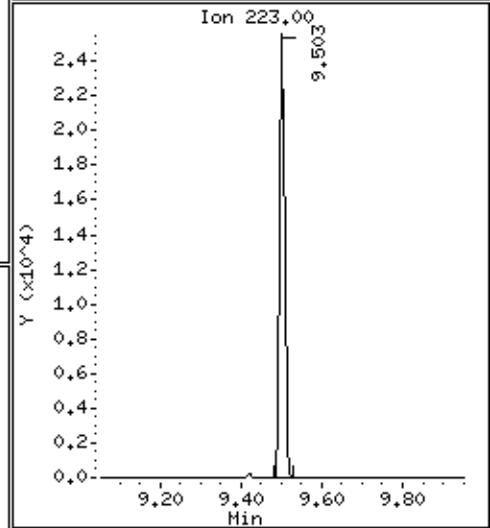
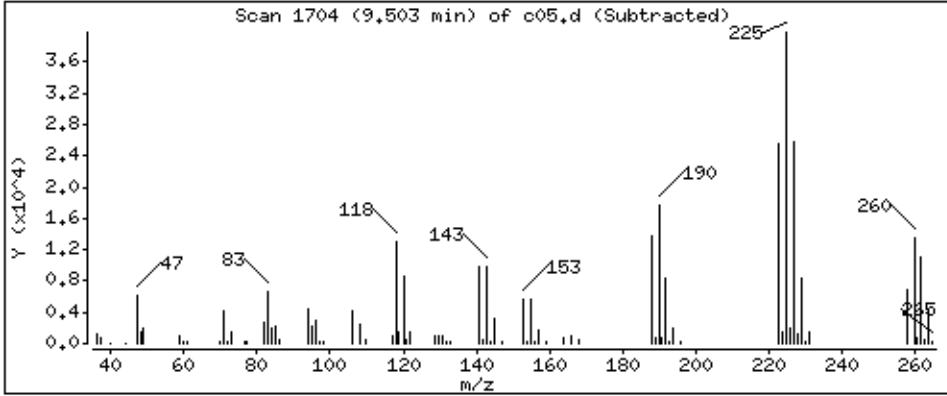
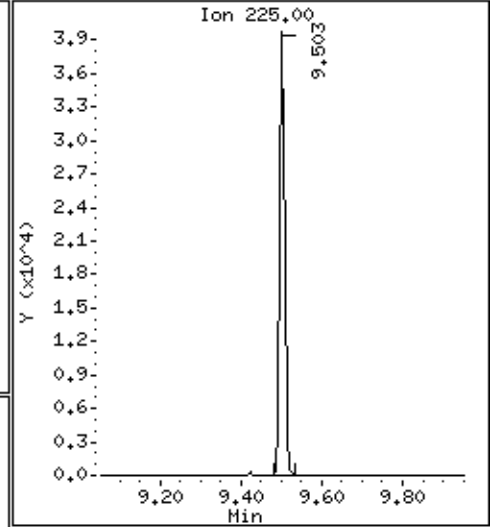
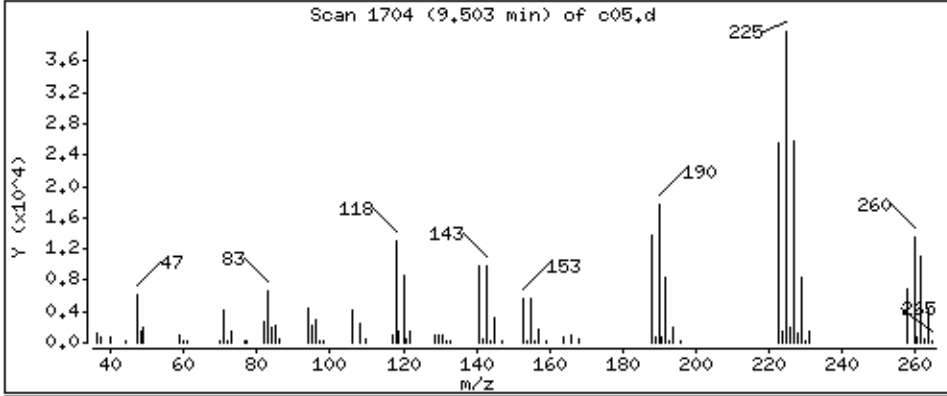
Operator: ala

Column phase: DB-624

Column diameter: 0,18

91 Hexachlorobutadiene

Concentration: 61,1 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

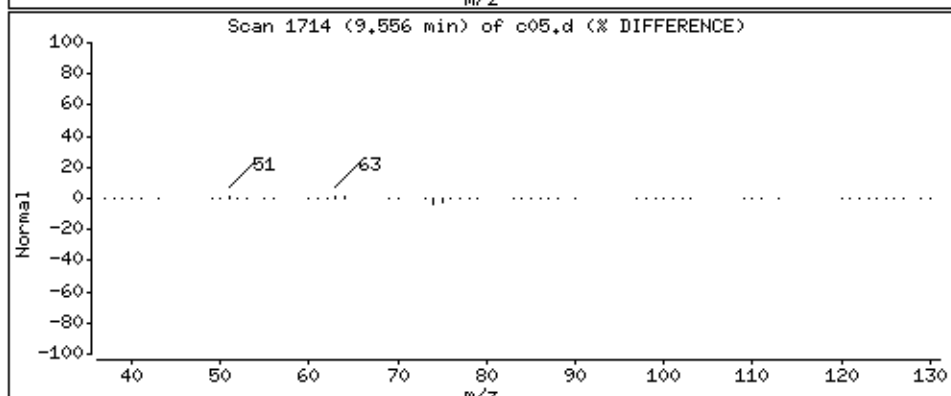
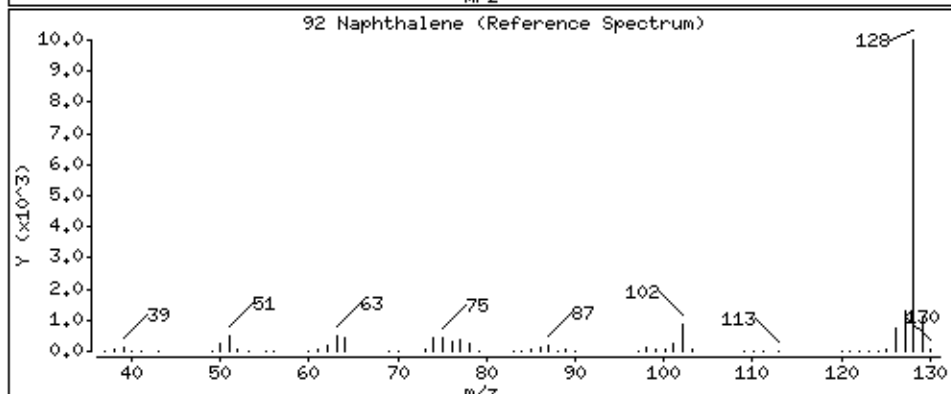
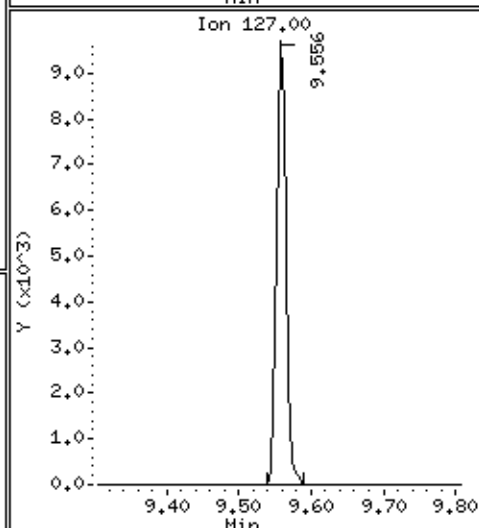
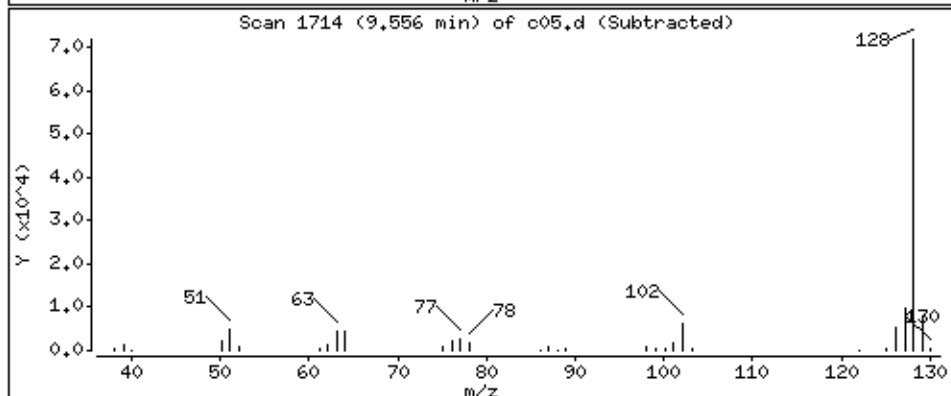
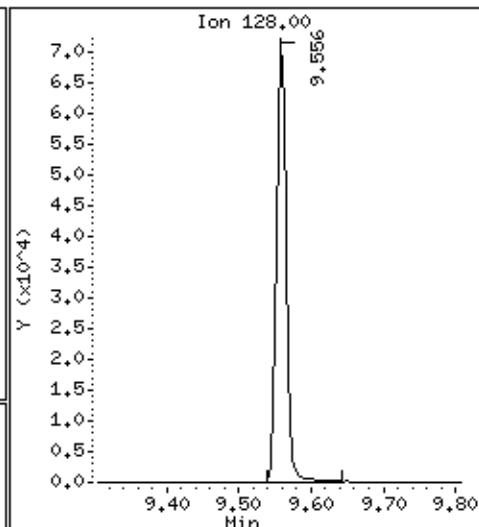
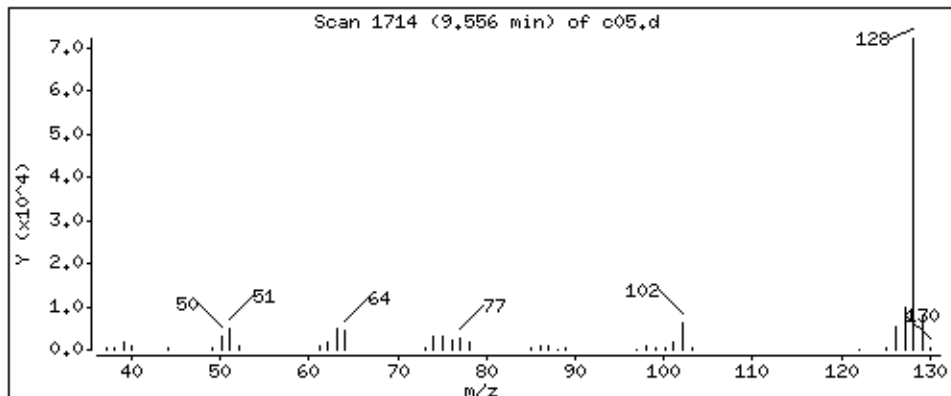
Operator: ala

Column phase: DB-624

Column diameter: 0,18

92 Naphthalene

Concentration: 31.6 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

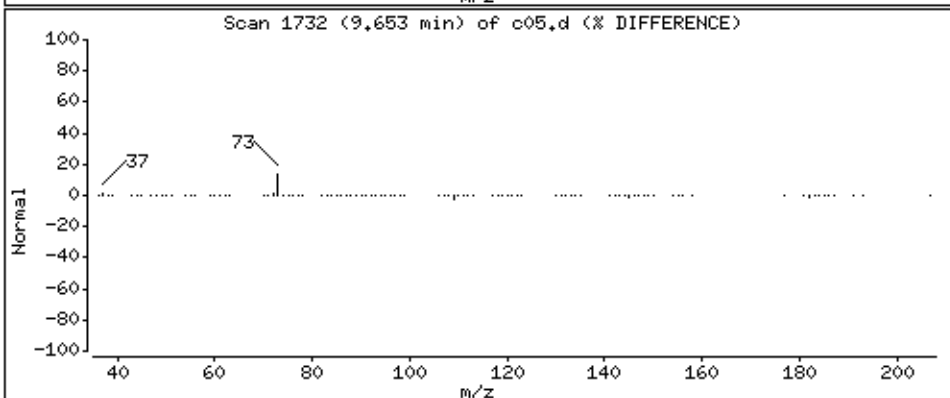
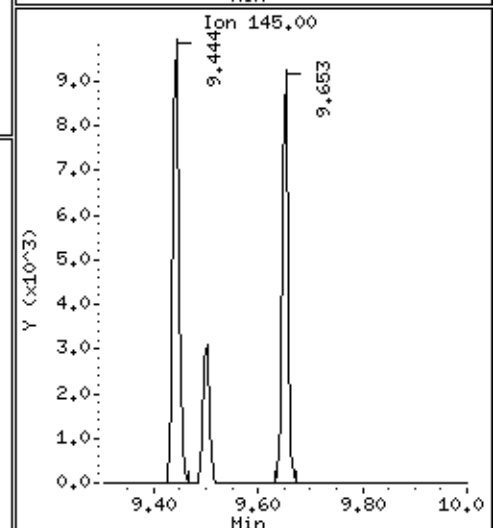
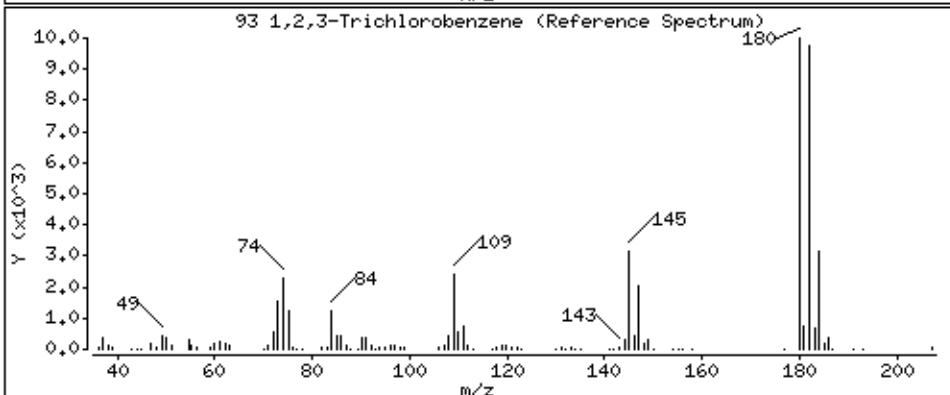
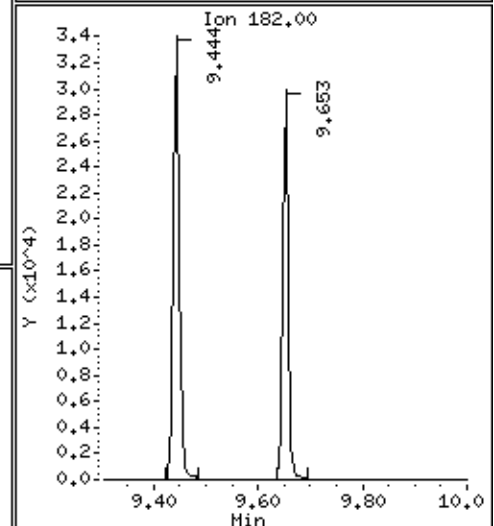
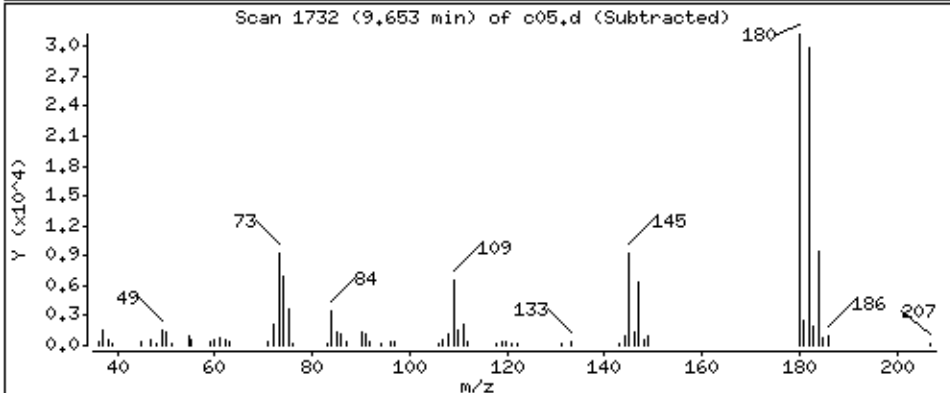
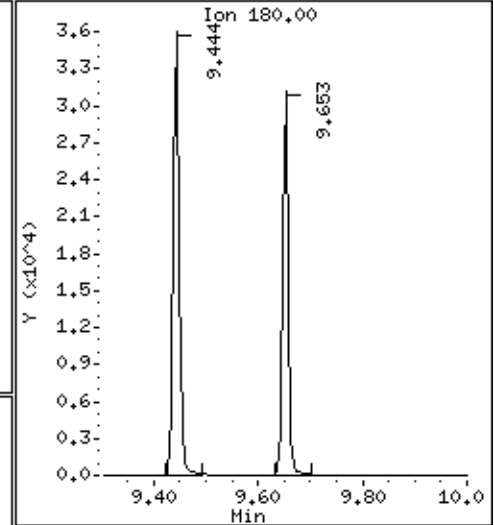
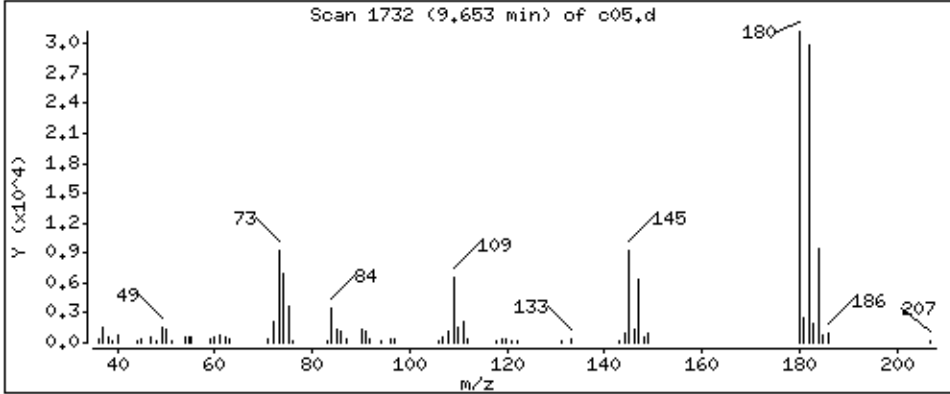
Operator: ala

Column phase: DB-624

Column diameter: 0,18

93 1,2,3-Trichlorobenzene

Concentration: 29,0 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

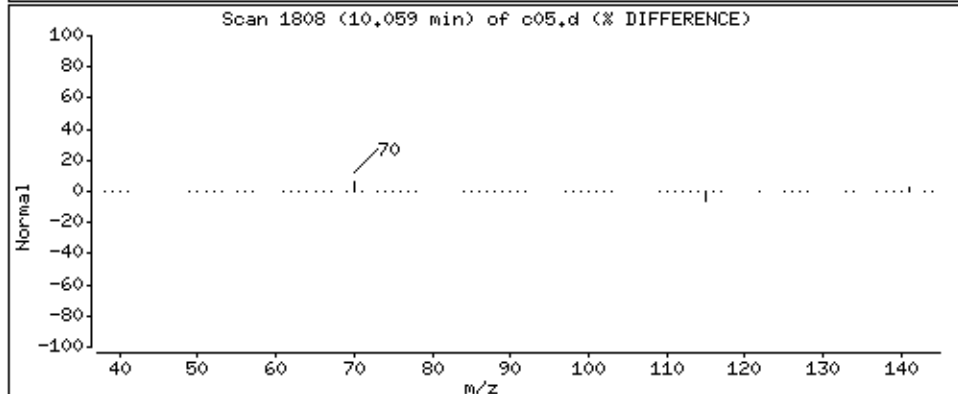
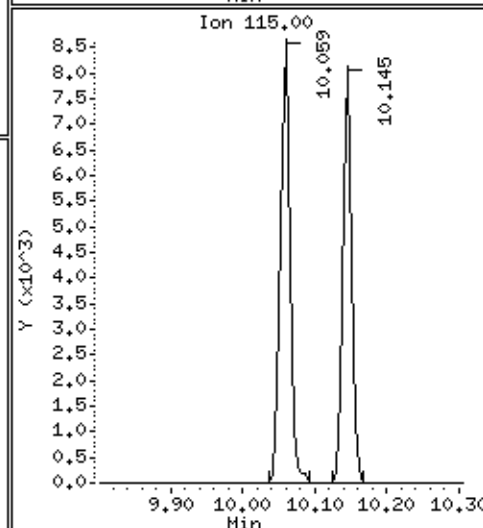
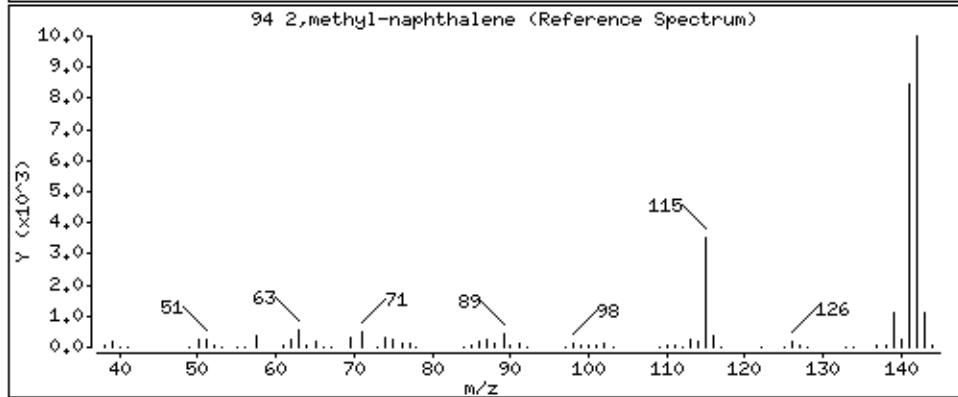
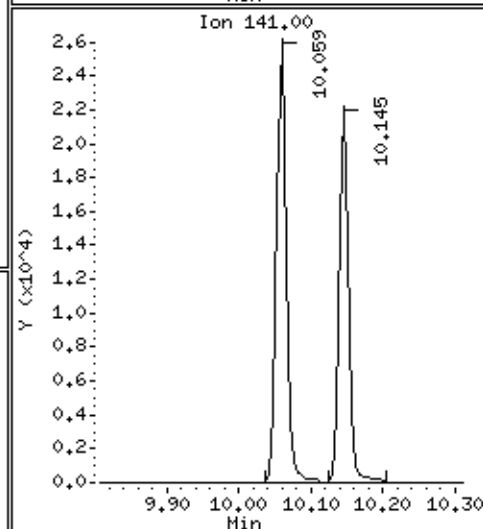
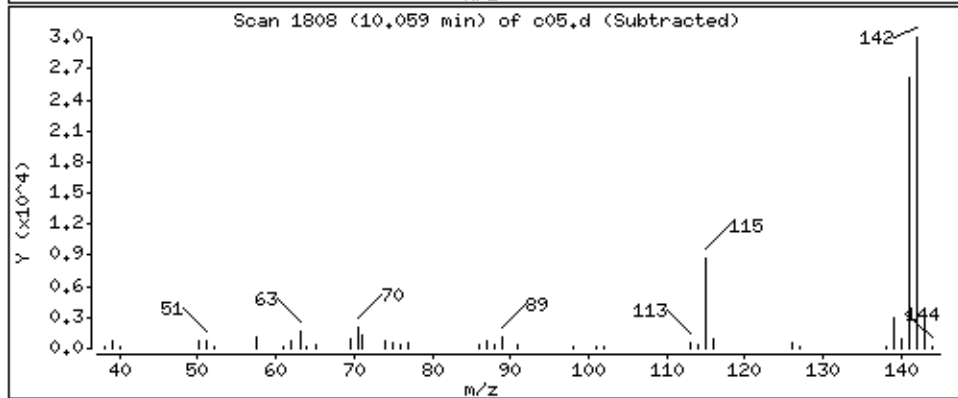
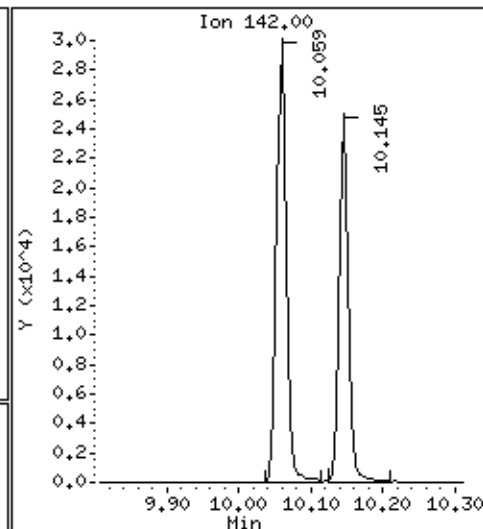
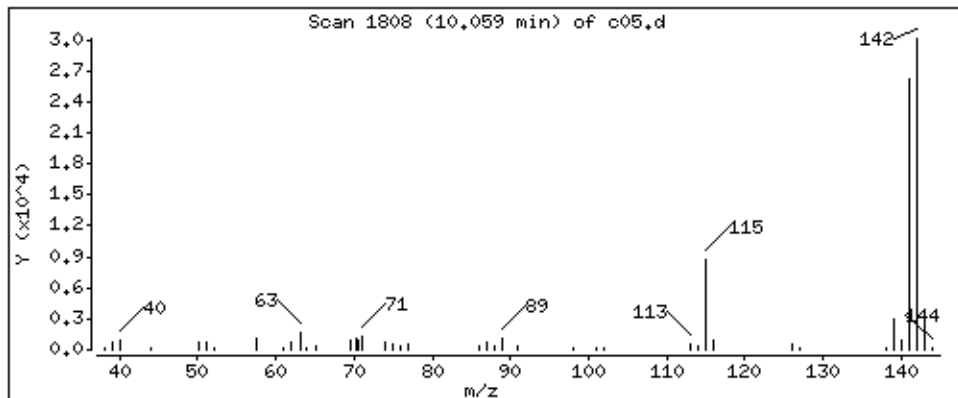
Operator: ala

Column phase: DB-624

Column diameter: 0,18

94 2,methyl-naphthalene

Concentration: 19,3 ppb



Date : 05-SEP-2018 01:10

Client ID: LA 312 (RUG-1S)MS

Instrument: 50mv6a.i

Sample Info: 2122400,184730:5

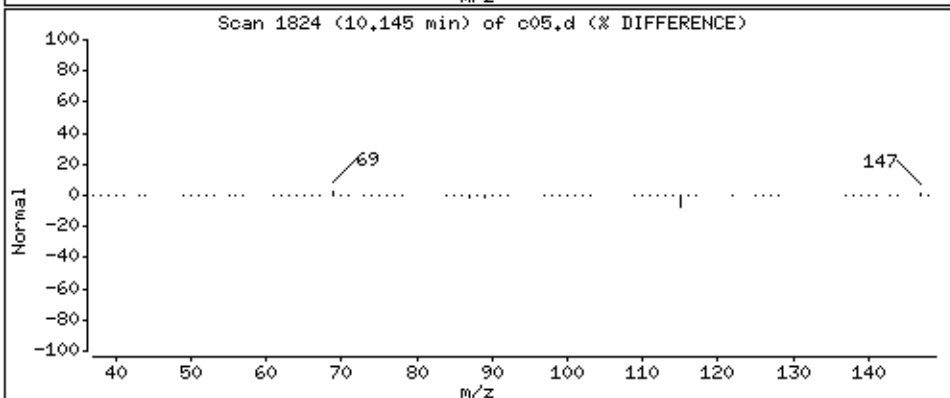
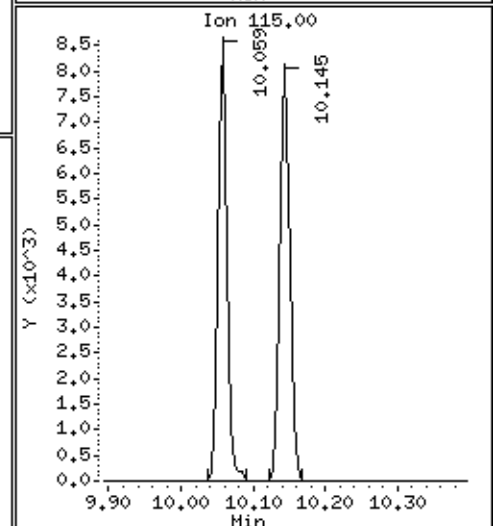
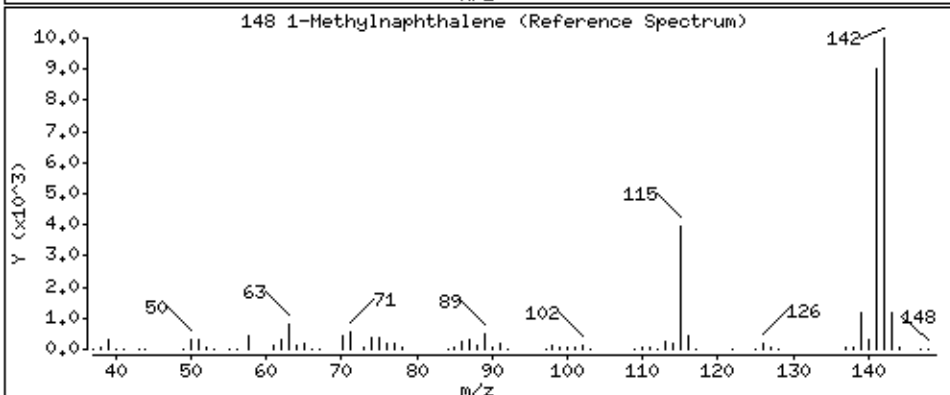
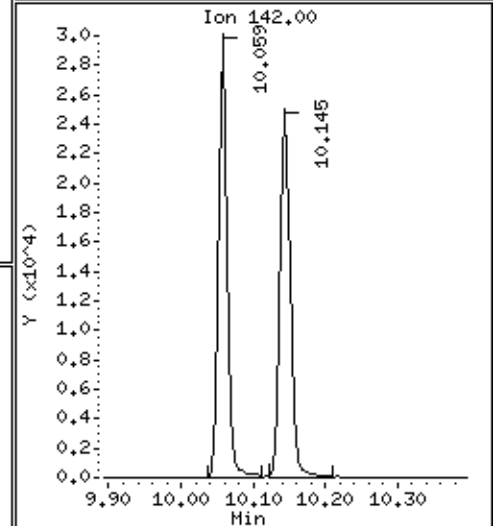
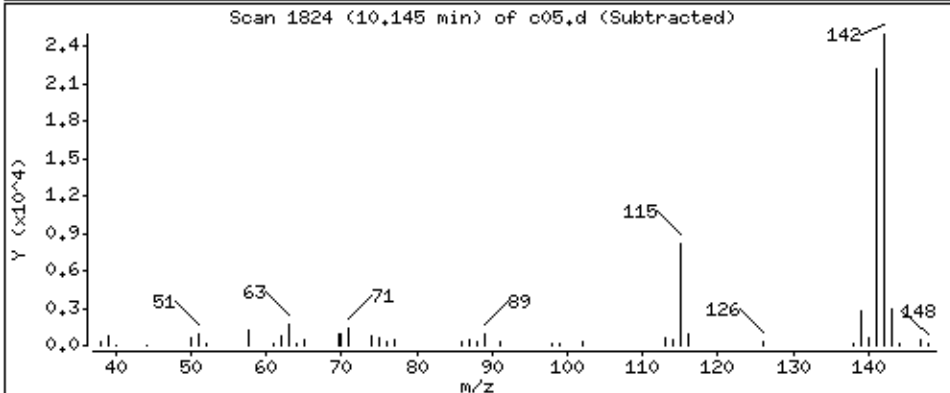
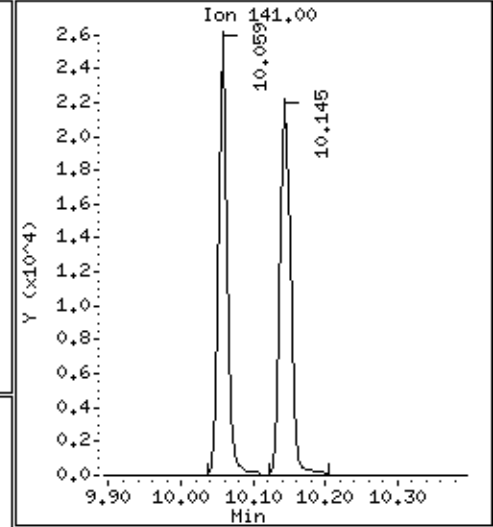
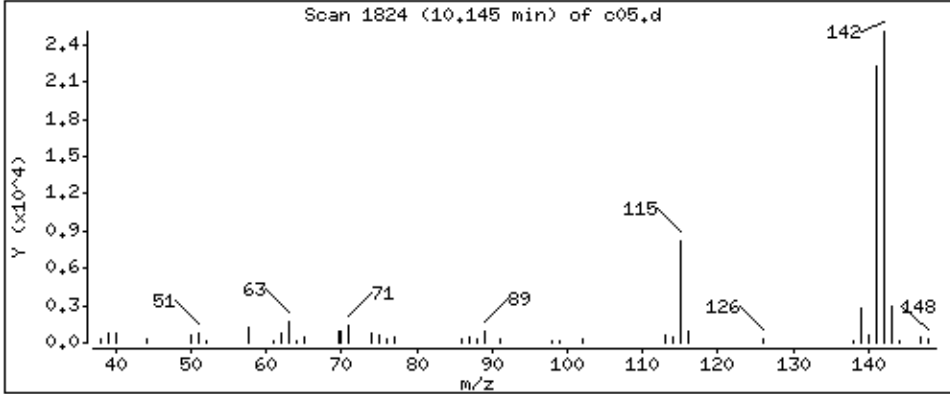
Operator: ala

Column phase: DB-624

Column diameter: 0,18

148 1-Methylnaphthalene

Concentration: 19,5 ppb



Data File: \\192.168.50.6\chem\50mv6a.i\a090418.b/c05.d
Injection Date: 05-SEP-2018 01:10
Instrument: 50mv6a.i
Lab Sample ID: 2122400
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MSD

Lab Name: Pace Analytical - Indiana

Contract: LA305-LA313

Date Received: 08/29/2018 09:15

Matrix: Solid SDG No.: 50204438

Date Extracted: 09/05/2018 01:47

Lab Sample ID: 2122401

Date Analyzed: 09/05/2018 01:47

Lab File ID: A090418.B\C06.D

Initial wt/vol: 6.293 g Final wt/vol: 5 mL Dilution: 1

Instrument: 50MV6A Percent Moisture: 17.5%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	207	
107-02-8	Acrolein	1080	
71-43-2	Benzene	47.5	
75-27-4	Bromodichloromethane	44.4	
75-25-2	Bromoform	43.8	
74-83-9	Bromomethane	44.1	
78-93-3	2-Butanone (MEK)	153	
104-51-8	n-Butylbenzene	51.0	
135-98-8	sec-Butylbenzene	57.8	
98-06-6	tert-Butylbenzene	43.1	
75-15-0	Carbon disulfide	47.6	
56-23-5	Carbon tetrachloride	50.7	
108-90-7	Chlorobenzene	43.3	
75-00-3	Chloroethane	53.6	
67-66-3	Chloroform	43.8	
74-87-3	Chloromethane	40.3	
106-93-4	1,2-Dibromoethane (EDB)	38.7	
74-95-3	Dibromomethane	45.1	
95-50-1	1,2-Dichlorobenzene	38.2	
541-73-1	1,3-Dichlorobenzene	41.6	
106-46-7	1,4-Dichlorobenzene	39.0	
75-71-8	Dichlorodifluoromethane	53.6	
75-34-3	1,1-Dichloroethane	44.3	
107-06-2	1,2-Dichloroethane	43.2	
75-35-4	1,1-Dichloroethene	53.7	
156-59-2	cis-1,2-Dichloroethene	47.2	
156-60-5	trans-1,2-Dichloroethene	51.6	
78-87-5	1,2-Dichloropropane	47.1	
10061-01-5	cis-1,3-Dichloropropene	46.1	
10061-02-6	trans-1,3-Dichloropropene	36.8	
100-41-4	Ethylbenzene	48.0	
591-78-6	2-Hexanone	186	
98-82-8	Isopropylbenzene (Cumene)	49.2	
99-87-6	p-Isopropyltoluene	53.7	
75-09-2	Methylene Chloride	49.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	197	
1634-04-4	Methyl-tert-butyl ether	50.2	

09/10/2018 6:14

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MSD

Lab Name: Pace Analytical - Indiana
Date Received: 08/29/2018 09:15
Date Extracted: 09/05/2018 01:47
Date Analyzed: 09/05/2018 01:47
Initial wt/vol: 6.293 g Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Solid SDG No.: 50204438
Lab Sample ID: 2122401
Lab File ID: A090418.B\C06.D
Instrument: 50MV6A Percent Moisture: 17.5%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
91-20-3	Naphthalene	22.8	
103-65-1	n-Propylbenzene	55.6	
100-42-5	Styrene	43.1	
630-20-6	1,1,1,2-Tetrachloroethane	45.7	
79-34-5	1,1,2,2-Tetrachloroethane	40.9	
127-18-4	Tetrachloroethene	48.7	
108-88-3	Toluene	48.6	
120-82-1	1,2,4-Trichlorobenzene	25.3	
71-55-6	1,1,1-Trichloroethane	51.3	
79-00-5	1,1,2-Trichloroethane	44.8	
79-01-6	Trichloroethene	49.1	
75-69-4	Trichlorofluoromethane	55.5	
95-63-6	1,2,4-Trimethylbenzene	50.8	
108-67-8	1,3,5-Trimethylbenzene	53.2	
108-05-4	Vinyl acetate	7.1	J
75-01-4	Vinyl chloride	53.8	
179601-23-1	m&p-Xylene	97.5	
95-47-6	o-Xylene	48.7	

09/10/2018 6:14

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6a.i\a090418.b\c06.d
 Lab Smp Id: 2122401 Client Smp ID: LA 312 (RUG-1S)MSD
 Inj Date : 05-SEP-2018 01:47
 Operator : ala Inst ID: 50mv6a.i
 Smp Info : 2122401,184730:5
 Misc Info : 117877
 Comment :
 Method : \\192.168.50.6\chem\50mv6a.i\a090418.b\ -a8260sl_a_c.m
 Meth Date : 05-Sep-2018 10:55 50mv6a.i Quant Type: ISTD
 Cal Date : 28-AUG-2018 14:20 Cal File: a01.d
 Als bottle: 27 QC Sample: MSD
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A
 Processing Host: 50-VOA-ALA1

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	17.486	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb)	FINAL (ppb)
1 Dichlorodifluoromethane	85		0.916	0.916	(0.228)	60734	55.6642	67.5	
2 Chloromethane	50		0.996	0.996	(0.248)	51877	41.8195	50.7	
3 Vinyl Chloride	62		1.039	1.039	(0.258)	63879	55.8766	67.7	
4 Bromomethane	94		1.178	1.178	(0.293)	46259	45.7716	55.5	
5 Chloroethane	64		1.221	1.221	(0.303)	42794	55.7098	67.5	
6 Trichlorofluoromethane	101		1.328	1.328	(0.330)	88749	57.5923	69.8	
8 Diethyl ether	74		1.446	1.445	(0.359)	23320	48.4660	58.7	
7 1,2-dichlorotrifluoroethane	67		1.462	1.462	(0.363)	69570	54.7757	66.4	
9 Acrolein	56		1.515	1.515	(0.377)	169183	1126.00	1360	
10 1,1,2trichlorotrifluoroethane	101		1.558	1.563	(0.387)	60115	61.4891	74.5	
11 1,1-Dichloroethene	96		1.569	1.569	(0.390)	51879	55.7217	67.5	
12 Acetone	43		1.579	1.579	(0.393)	50423	214.813	260	
13 Iodomethane	142		1.649	1.649	(0.410)	129171	115.340	140	
14 Carbon Disulfide	76		1.692	1.697	(0.420)	170520	49.4282	59.9	
16 Methyl Acetate	43		1.734	1.740	(0.431)	45883	77.8979	94.4	
143 Acetonitrile	39		1.751	1.750	(0.435)	91490	47.2436	57.2	
15 allyl chloride	41		1.751	1.750	(0.435)	137129	96.6168	117	
17 Methylene Chloride	84		1.825	1.825	(0.454)	48882	50.9300	61.7	
18 tert-Butyl Alcohol	59		1.863	1.863	(0.463)	7759	70.0970	85.0(Q)	
19 Acrylonitrile	53		1.954	1.954	(0.486)	36376	136.092	165	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb)	FINAL (ppb)
20 Methyl-tert-butyl ether	73	1.975	1.975	(0.491)	104624	52.1452	63.2
21 1,2-Dichloroethene (trans)	96	1.986	1.986	(0.494)	51974	53.6309	65.0
22 n-Hexane	57	2.152	2.152	(0.535)	59645	44.6874	54.2
24 Vinyl Acetate	43	2.264	2.264	(0.563)	9047	7.41847	8.99 (R)
23 1,1-Dichloroethane	63	2.275	2.275	(0.565)	66242	45.9646	55.7
147 chloroprene	53	2.323	2.323	(0.577)	57810	52.7259	63.9
28 2-Butanone	72	2.713	2.713	(0.674)	13248	158.659	192 (QR)
26 1,2-Dichloroethene (cis)	96	2.724	2.724	(0.677)	39508	49.0191	59.4 (Q)
27 2,2-Dichloropropane	77	2.730	2.729	(0.678)	55371	51.5939	62.5
144 Methacrylonitrile	41	2.906	2.911	(0.722)	47967	162.460	197
30 Bromochloromethane	49	2.943	2.943	(0.731)	26825	47.4759	57.5
31 Tetrahydrofuran	42	2.970	2.970	(0.738)	7020	37.4192	45.3
32 Chloroform	83	3.045	3.050	(0.757)	65122	45.5117	55.2
\$ 33 Dibromofluoromethane (S)	113	3.211	3.211	(0.798)	23207	47.3293	57.4
34 1,1,1-Trichloroethane	97	3.211	3.211	(0.798)	61945	53.2607	64.5
35 Cyclohexane	56	3.286	3.286	(0.817)	53239	44.8148	54.3
150 n-Butyl chloride	56	3.350	3.350	(0.833)	76403	54.4040	65.9
36 Carbon Tetrachloride	117	3.382	3.382	(0.840)	55496	52.6433	63.8
37 1,1-Dichloropropene	75	3.393	3.393	(0.843)	53199	52.8356	64.0
39 Benzene	78	3.618	3.623	(0.899)	137372	49.2806	59.7
40 1,2-Dichloroethane	62	3.709	3.708	(0.922)	36634	44.8453	54.3
145 isopropyl acetate	61	3.730	3.735	(0.927)	25201	123.382	150 (Q)
141 2,2,4-Trimethylpentane	57	3.783	3.783	(0.940)	141361	58.8629	71.3
38 Isobutyl alcohol	43	3.553	3.553	(0.883)	3210	102.807	124
* 41 Fluorobenzene	96	4.024	4.029	(1.000)	72706	50.0000	
42 Trichloroethene	95	4.479	4.479	(1.113)	37118	50.9963	61.8
43 Methylcyclohexane	55	4.736	4.741	(1.177)	46669	47.5392	57.6
44 1,2-Dichloropropane	63	4.789	4.789	(1.190)	32800	48.9618	59.3
45 Dibromomethane	93	4.885	4.885	(1.214)	18026	46.7883	56.7
142 1,4-Dioxane	88	4.891	4.896	(1.215)	5213	657.608	797
46 Methyl methacrylate	69	4.901	4.907	(1.218)	29102	71.5424	86.7 (R)
47 Bromodichloromethane	83	5.105	5.105	(1.269)	43028	46.0714	55.8
48 2-Chloroethyl vinyl ether	63	5.453	5.452	(0.763)	2468	23.3692	28.3
49 cis-1,3-Dichloropropene	75	5.592	5.591	(0.782)	45838	47.8775	58.0
50 4-Methyl-2-Pentanone	43	5.763	5.763	(0.806)	103921	204.847	248 (R)
\$ 51 Toluene-d8	98	5.848	5.854	(0.818)	79970	53.1777	64.4
52 Toluene	91	5.923	5.923	(0.829)	135913	50.5010	61.2
53 trans-1,3-Dichloropropene	75	6.201	6.201	(0.868)	35436	38.2178	46.3 (R)
54 Ethyl Methacrylate	69	6.292	6.292	(0.880)	72741	101.373	123 (R)
55 1,1,2-Trichloroethane	83	6.389	6.394	(0.894)	20905	46.4966	56.4
56 Tetrachloroethene	166	6.432	6.431	(0.900)	37418	50.6231	61.4
57 1,3-Dichloropropane	76	6.533	6.533	(0.914)	37759	47.3667	57.4
58 2-Hexanone	43	6.603	6.608	(0.924)	70486	193.292	234
59 Dibromochloromethane	129	6.715	6.715	(0.939)	28318	45.0362	54.6
60 1,2-Dibromoethane	107	6.795	6.795	(0.951)	23040	40.1929	48.7
* 61 Chlorobenzene-d5	117	7.148	7.148	(1.000)	49858	50.0000	
62 Chlorobenzene	112	7.170	7.170	(1.003)	75338	44.9372	54.5
63 1,1,1,2-Tetrachloroethane	131	7.245	7.245	(1.013)	28345	47.4291	57.5
64 Ethylbenzene	106	7.245	7.250	(1.013)	45275	49.8275	60.4
65 m&p-Xylene	106	7.341	7.341	(1.027)	113674	101.293	123
67 o-Xylene	106	7.582	7.582	(1.061)	51186	50.5678	61.3
68 Styrene	104	7.603	7.598	(1.064)	78706	44.7720	54.3
69 Bromoform	173	7.710	7.710	(0.904)	15497	45.5109	55.2
146 n-amyl acetate	70	7.726	7.726	(1.920)	5669	14.0857	17.1

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb)	FINAL (ppb)
70 Isopropylbenzene	105	7.812	7.812	(1.093)	144683	51.0841	61.9
\$ 72 4-Bromofluorobenzene	95	7.913	7.913	(1.107)	24303	47.4268	57.5
74 Bromobenzene	77	7.978	7.977	(1.116)	39554	39.2446	47.6
73 1,1,2,2-Tetrachloroethane	83	7.999	7.999	(0.938)	25835	42.5170	51.5
71 trans-1,4-Dichloro-2-butene	53	8.020	8.020	(1.122)	23379	132.775	161(Q)
75 1,2,3-Trichloropropane	110	8.026	8.026	(0.941)	6871	46.6653	56.6(Q)
76 n-Propylbenzene	91	8.047	8.047	(0.944)	169310	57.7312	70.0
77 2-Chlorotoluene	91	8.090	8.090	(0.949)	90351	54.3026	65.8
78 1,3,5-Trimethylbenzene	105	8.149	8.149	(0.955)	100873	55.2923	67.0
79 4-Chlorotoluene	126	8.159	8.159	(0.957)	29291	51.4573	62.4
80 tert-Butylbenzene	119	8.309	8.309	(0.974)	98275	44.8094	54.3
81 1,2,4-Trimethylbenzene	105	8.341	8.341	(0.978)	96908	52.7348	63.9
82 sec-Butylbenzene	105	8.427	8.427	(0.988)	158328	60.0227	72.7(R)
83 1,3-Dichlorobenzene	146	8.486	8.486	(0.995)	49624	43.2462	52.4
84 p-Isopropyltoluene	119	8.507	8.507	(0.997)	118533	55.7445	67.6
* 85 1,4-Dichlorobenzene-d4	152	8.529	8.528	(1.000)	23097	50.0000	
86 1,4-Dichlorobenzene	146	8.539	8.539	(1.001)	48370	40.5533	49.1
87 n-Butylbenzene	91	8.705	8.705	(1.021)	113384	52.9362	64.2
88 1,2-Dichlorobenzene	146	8.710	8.710	(1.021)	42851	39.6746	48.1
89 1,2-Dibromo-3-chloropropane	155	9.080	9.079	(1.065)	3604	35.5534	43.1(R)
90 1,2,4-Trichlorobenzene	180	9.443	9.443	(1.107)	19926	26.3062	31.9(R)
91 Hexachlorobutadiene	225	9.502	9.502	(1.114)	21965	47.1119	57.1
92 Naphthalene	128	9.556	9.556	(1.120)	43515	23.6967	28.7(R)
93 1,2,3-Trichlorobenzene	180	9.652	9.652	(1.132)	16808	21.2695	25.8(R)
94 2-methyl-naphthalene	142	10.059	10.058	(1.179)	17185	14.0088	17.0(R)
148 1-Methylnaphthalene	141	10.144	10.144	(1.189)	14653	14.8126	18.0(R)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
 R - Spike/Surrogate failed recovery limits.

Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUC-1S)MSD

Sample Info: 2122401,184730:5

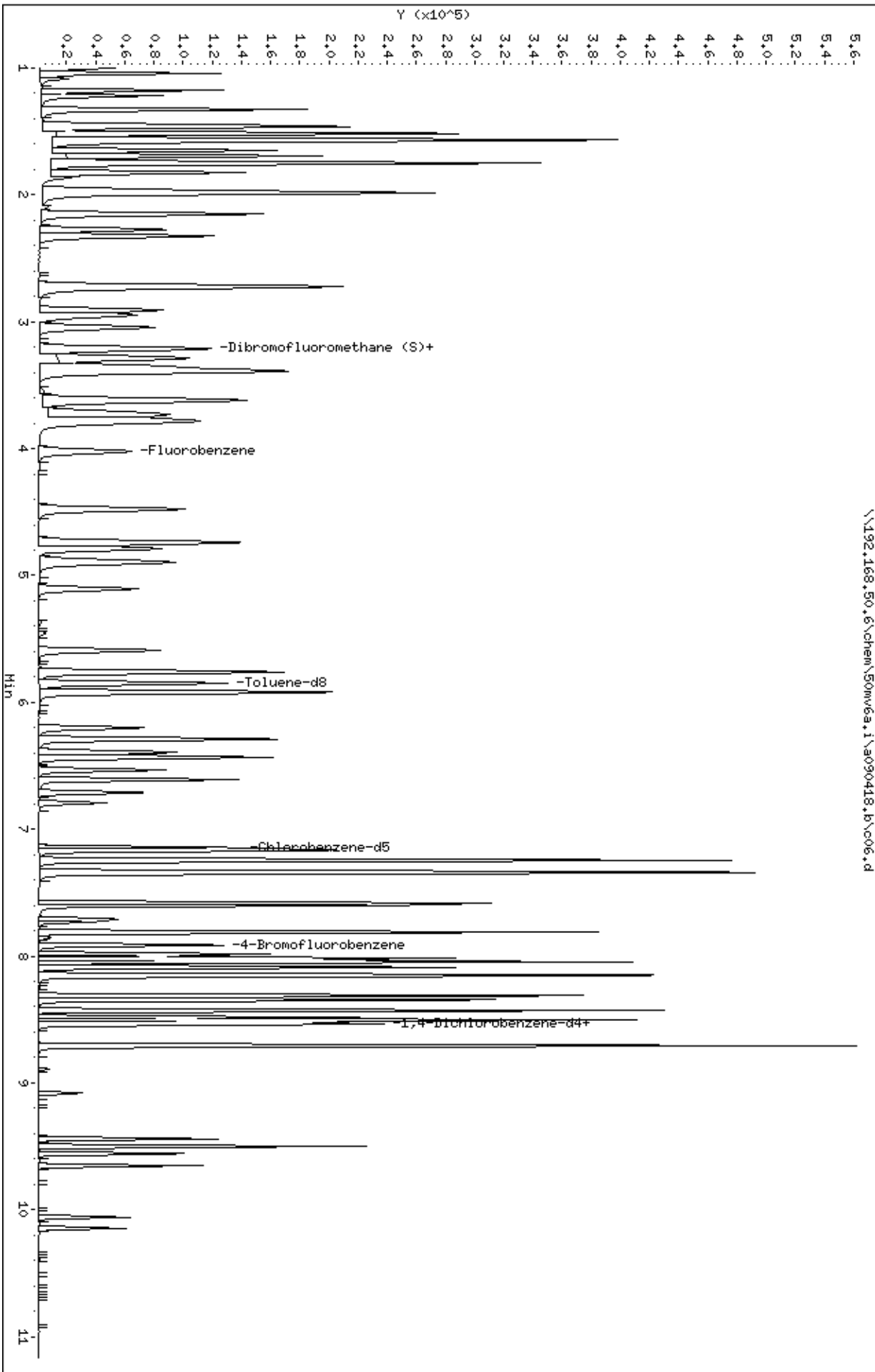
Instrument: 50mw6a.i

Operator: alia

Column diameter: 0.18

Column phase: DB-624

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Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730;5

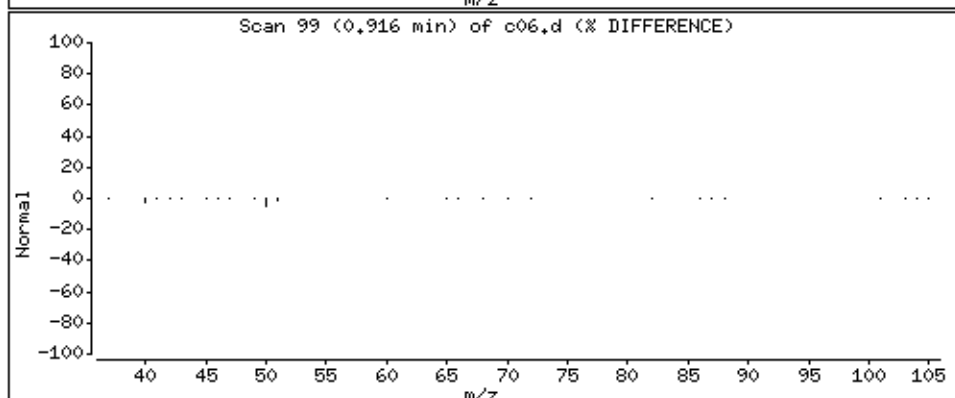
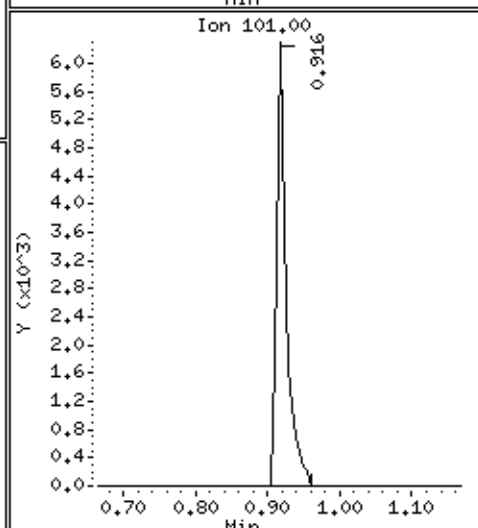
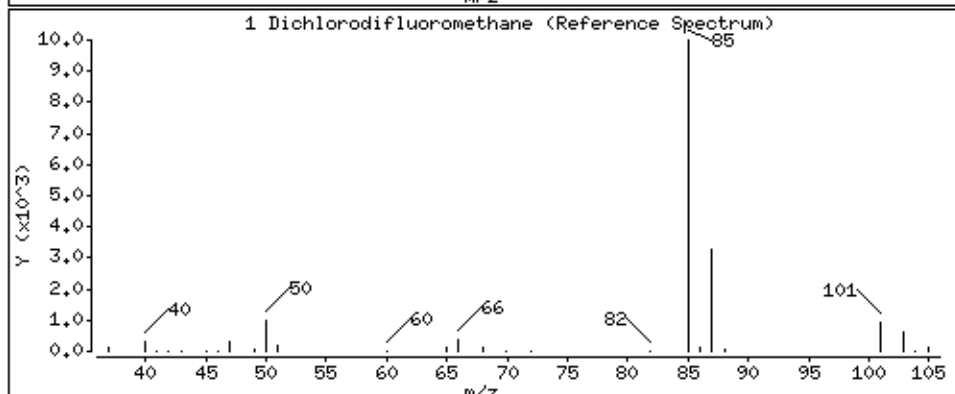
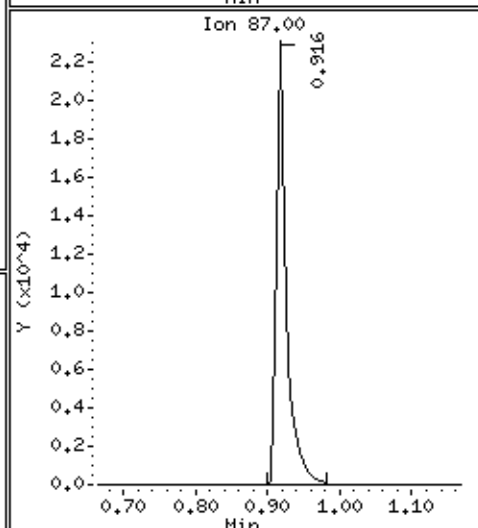
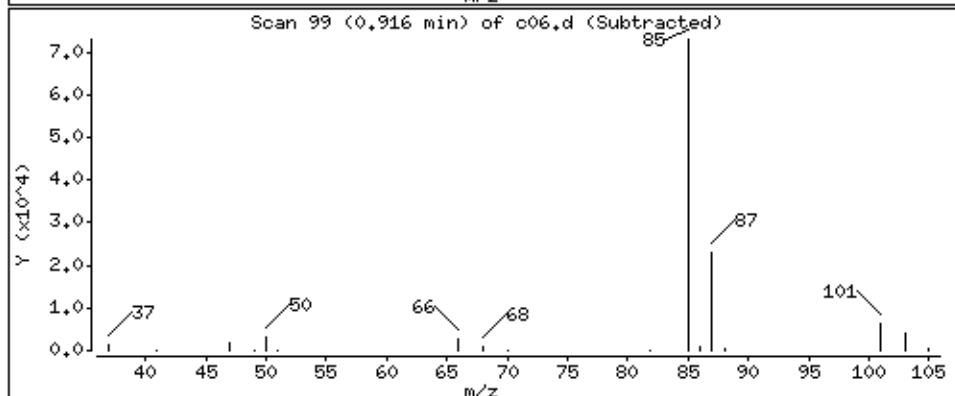
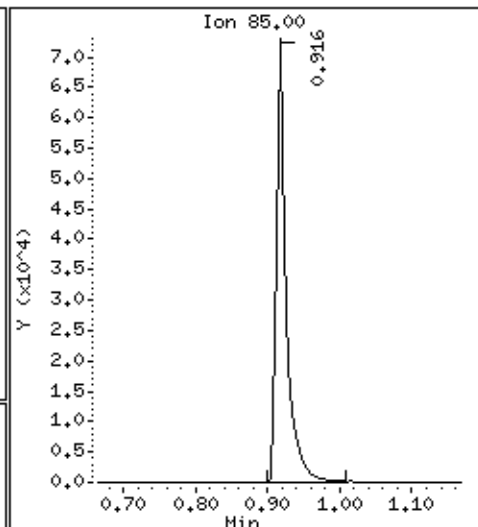
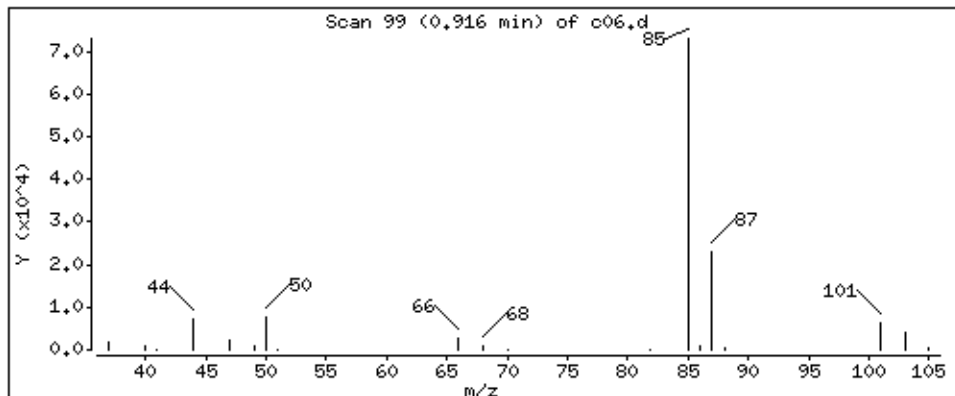
Operator: ala

Column phase: DB-624

Column diameter: 0,18

1 Dichlorodifluoromethane

Concentration: 67,5 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

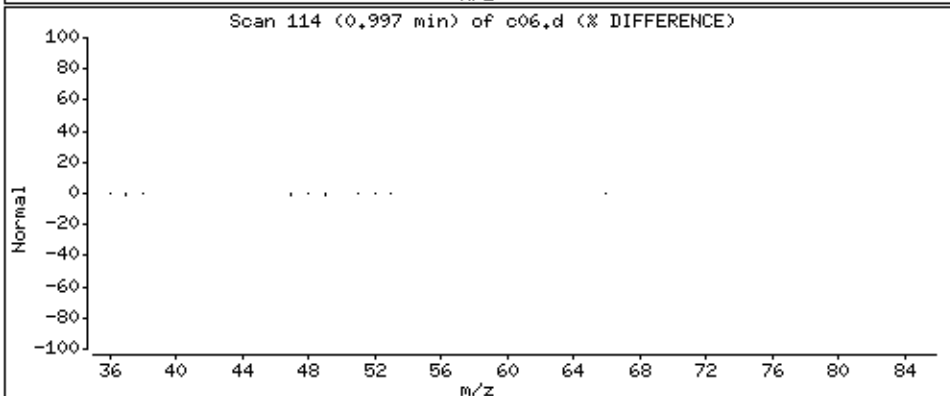
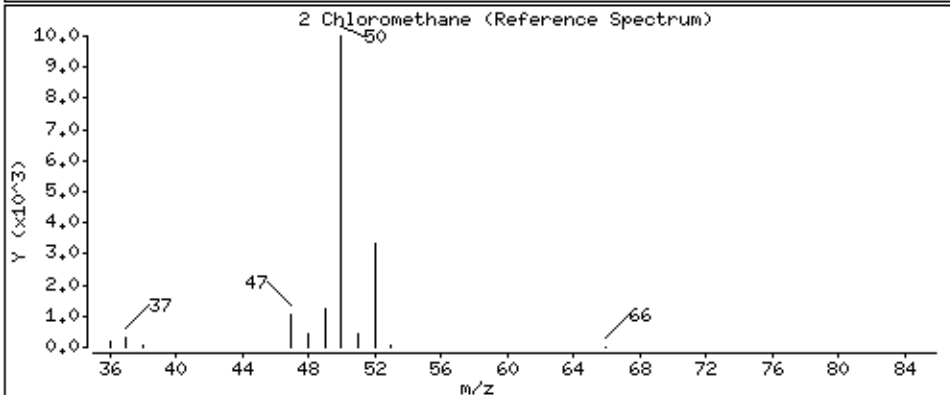
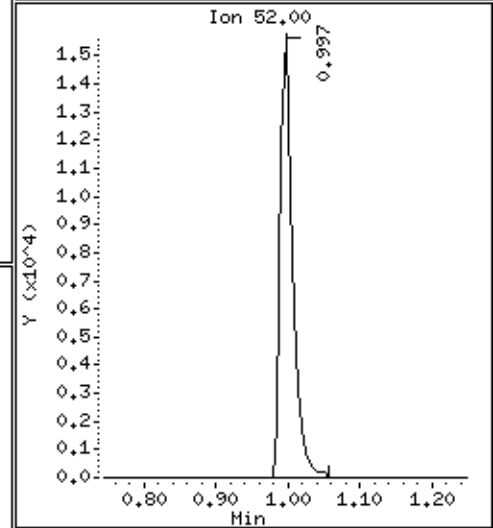
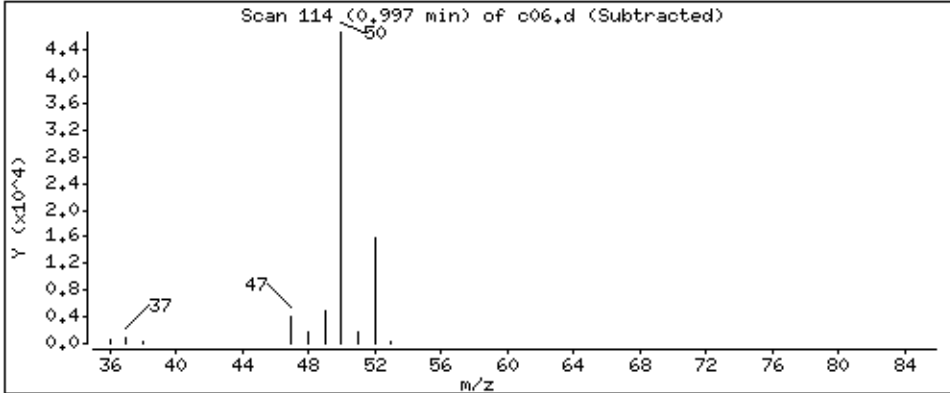
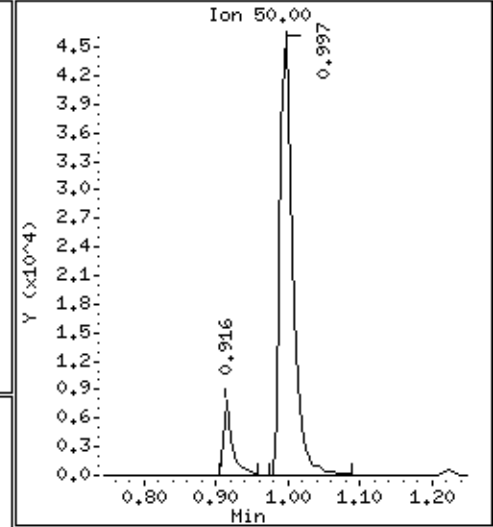
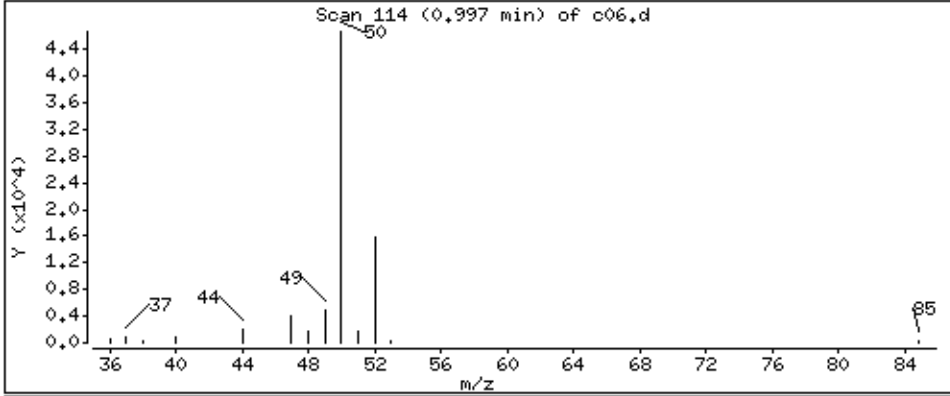
Operator: ala

Column phase: DB-624

Column diameter: 0,18

2 Chloromethane

Concentration: 50,7 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730;5

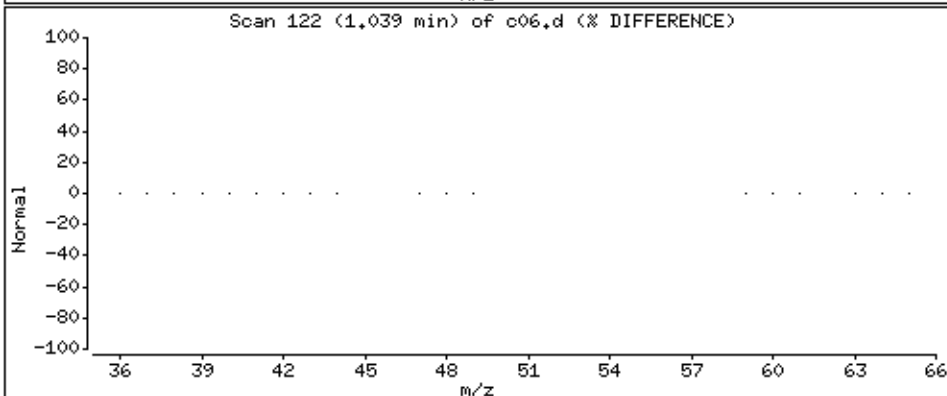
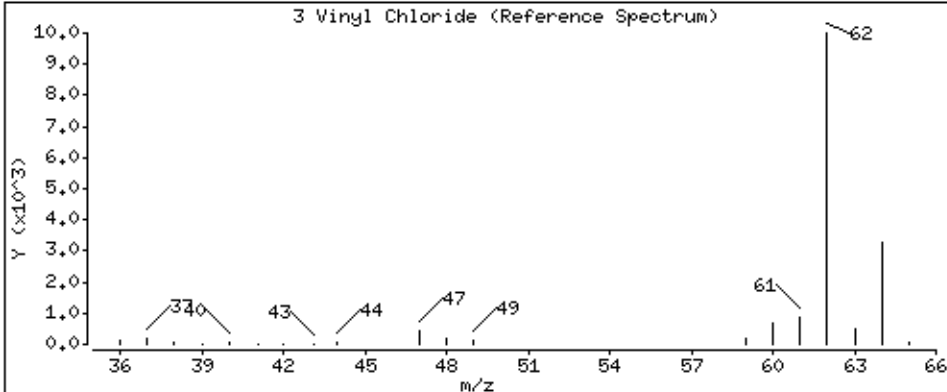
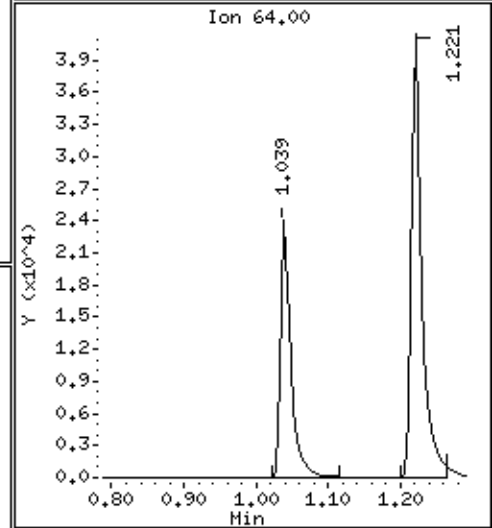
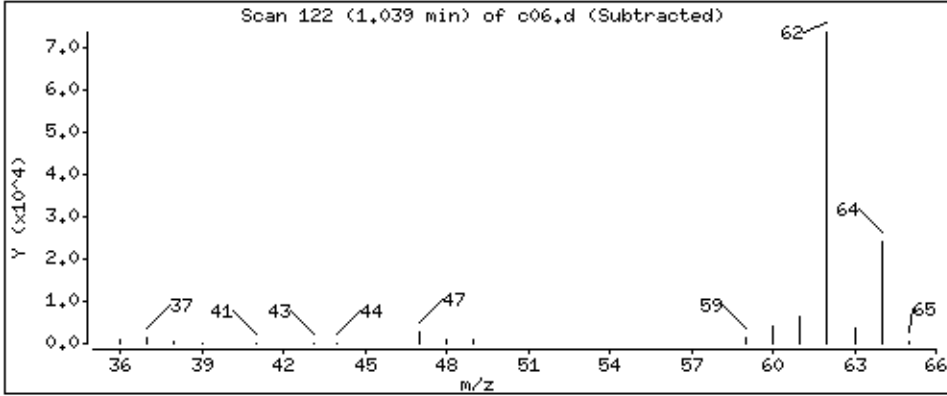
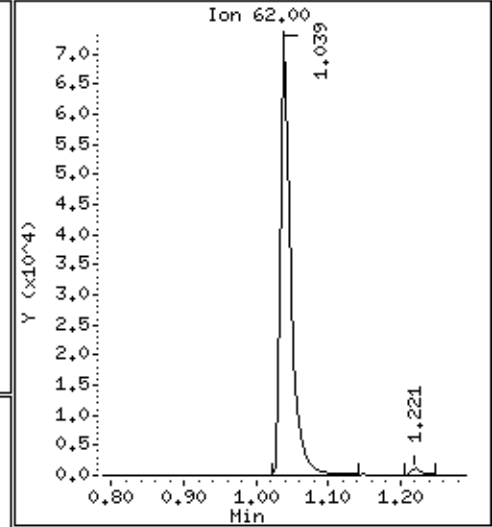
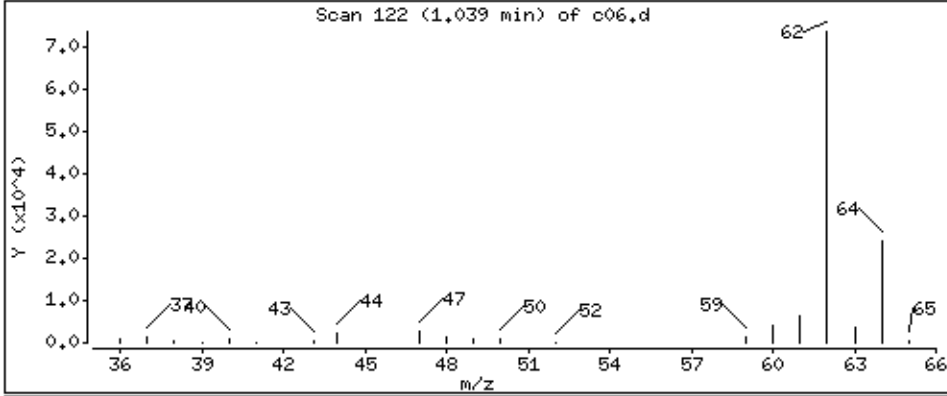
Operator: ala

Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 67,7 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

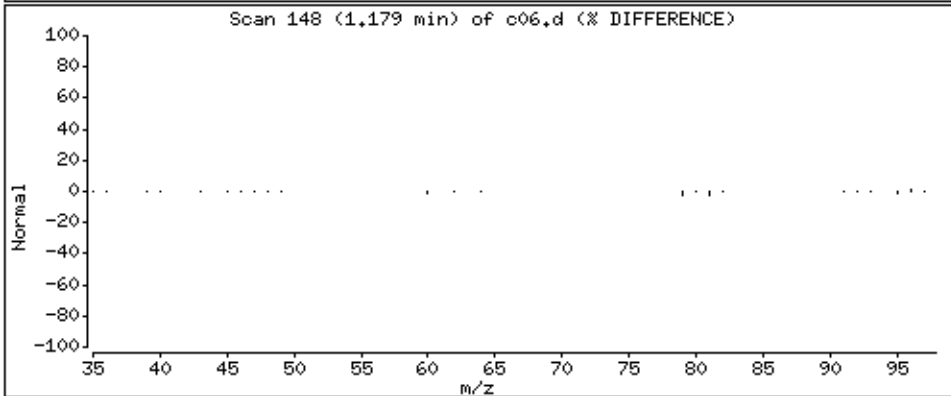
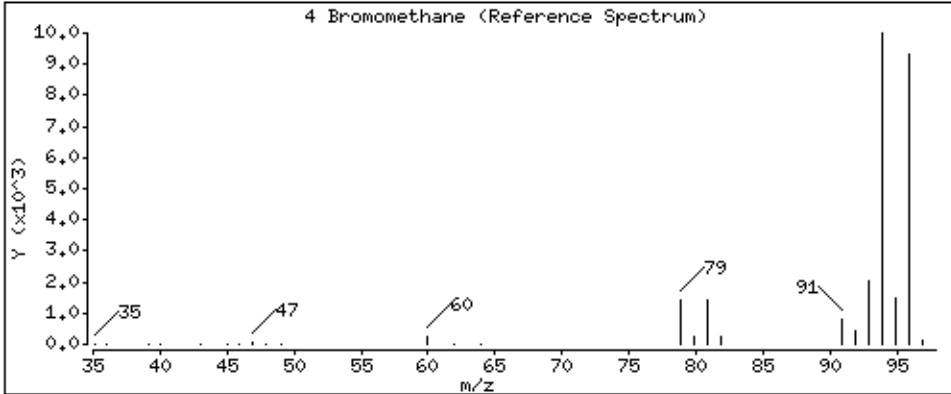
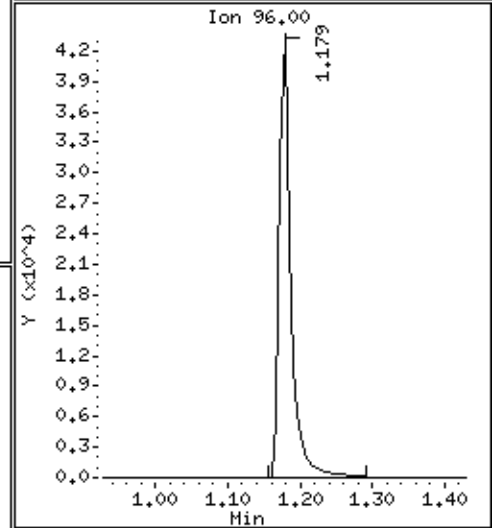
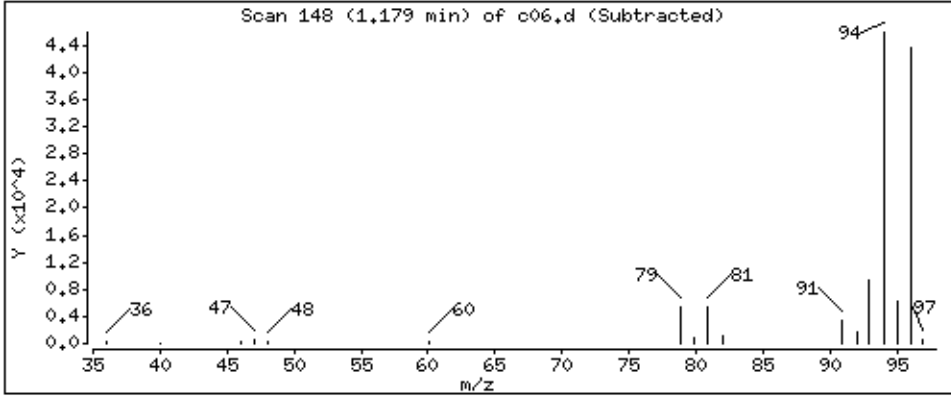
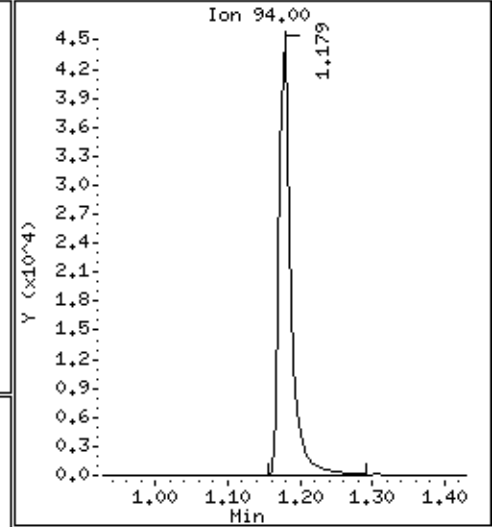
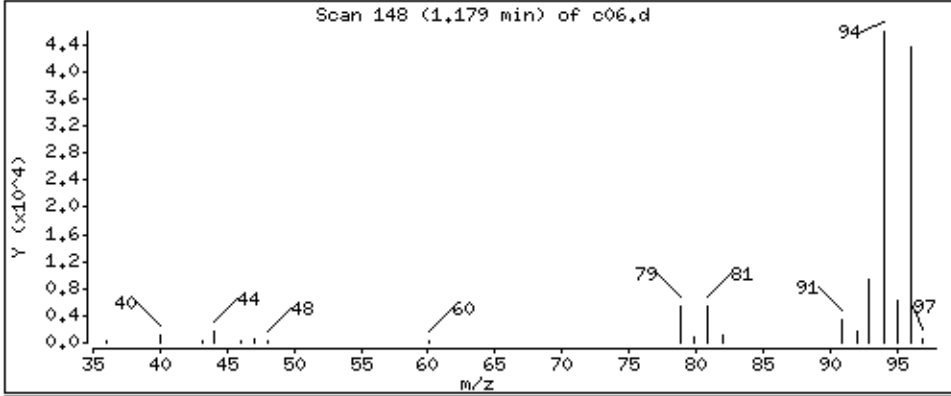
Operator: ala

Column phase: DB-624

Column diameter: 0,18

4 Bromomethane

Concentration: 55,5 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

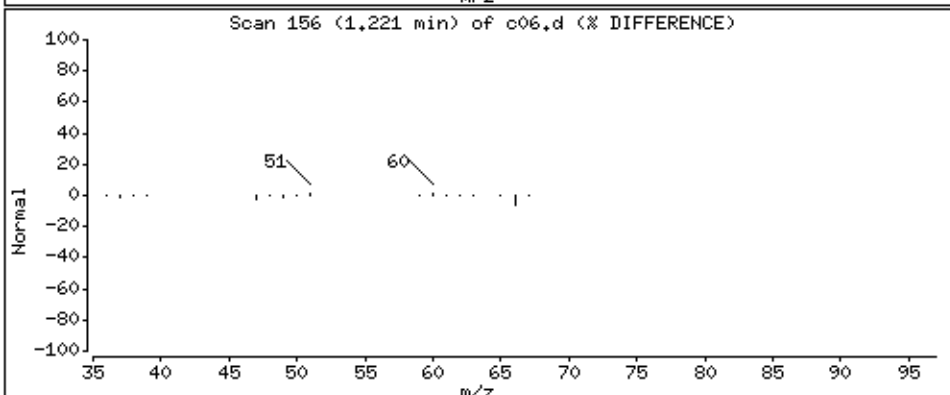
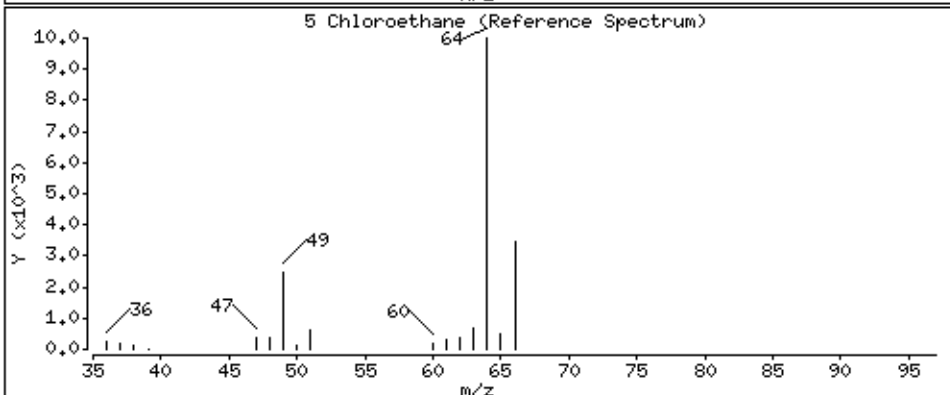
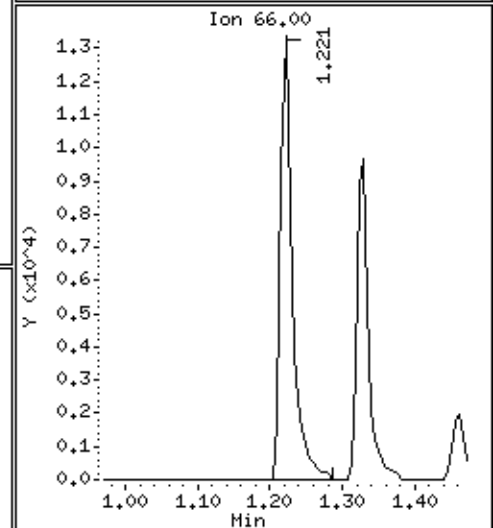
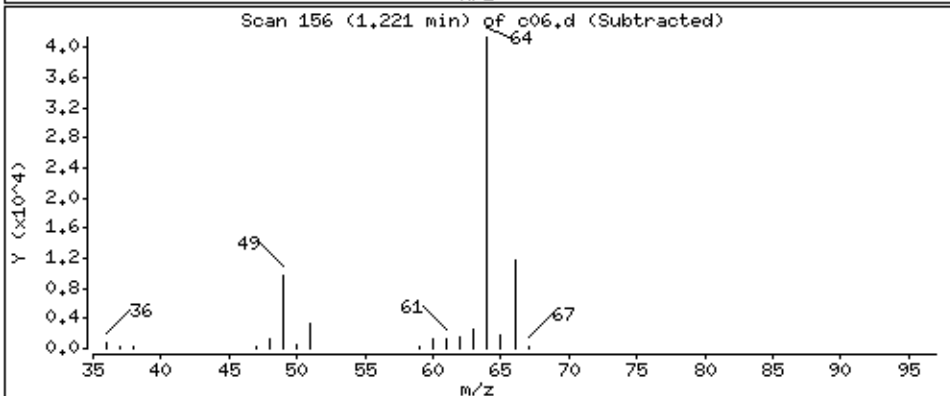
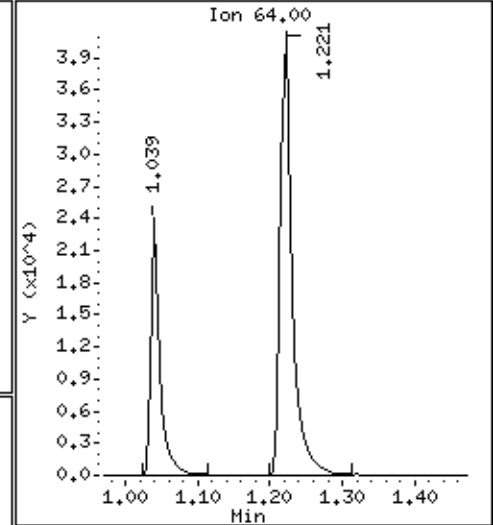
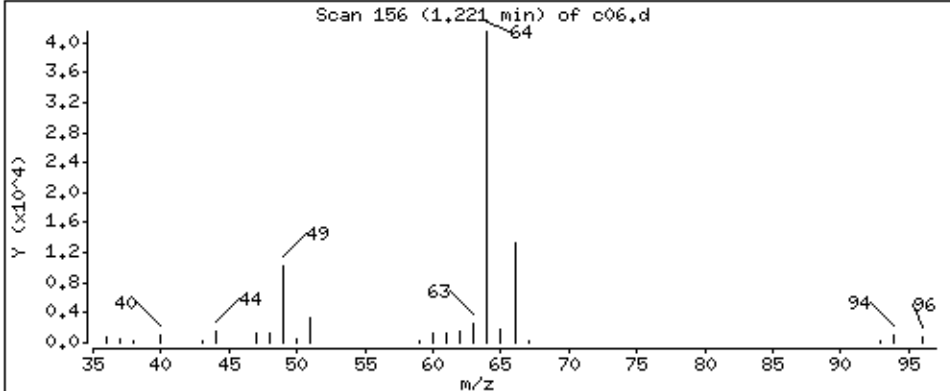
Operator: ala

Column phase: DB-624

Column diameter: 0,18

5 Chloroethane

Concentration: 67,5 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730;5

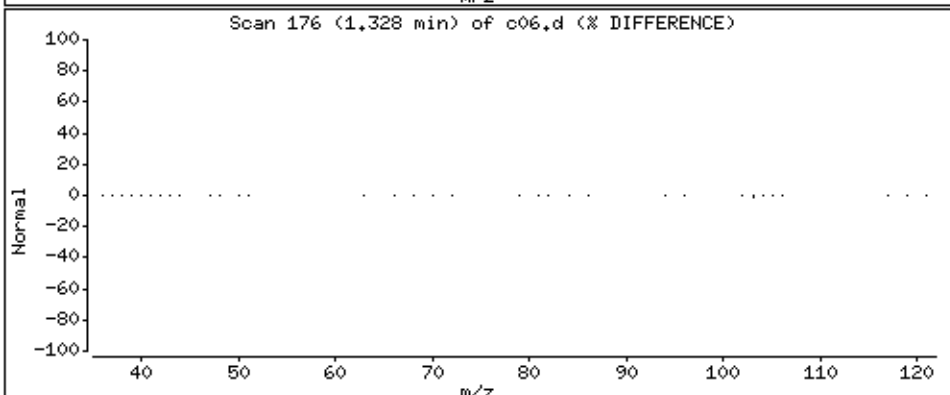
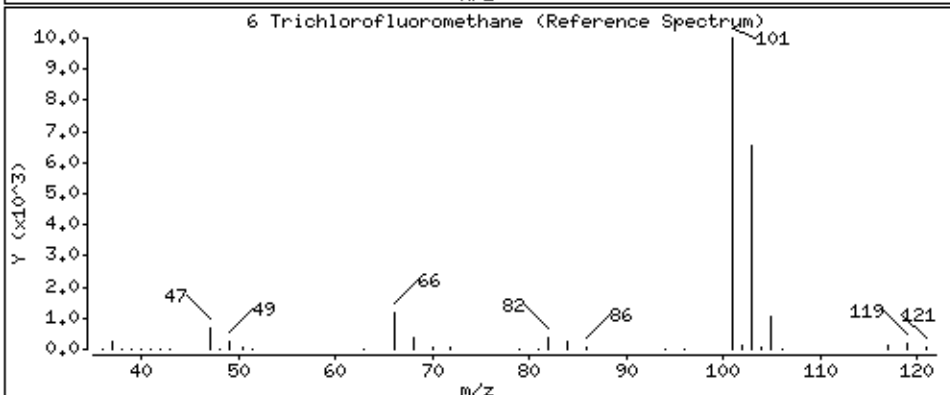
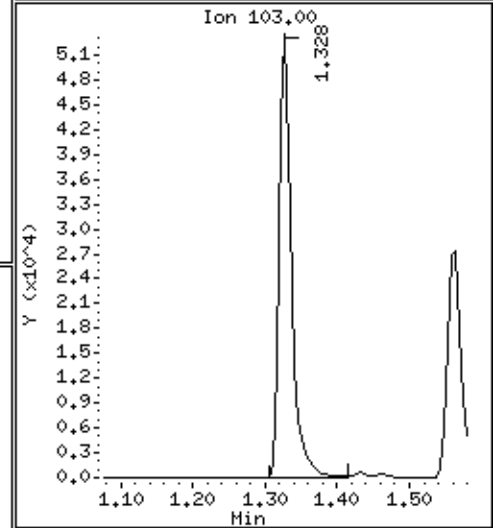
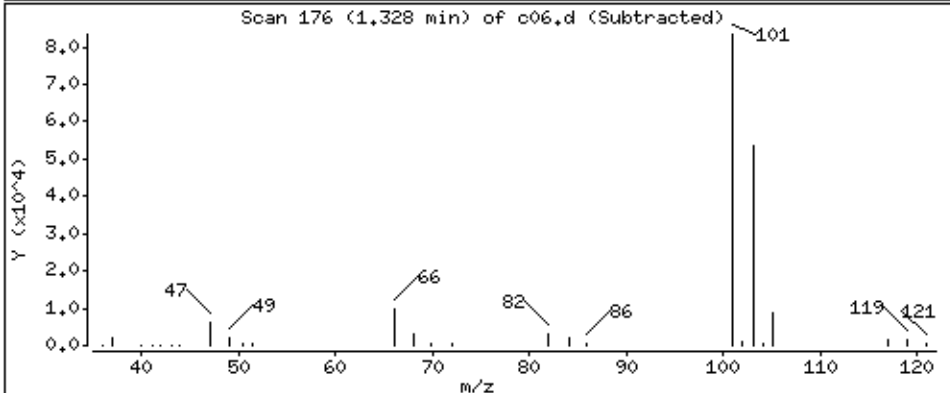
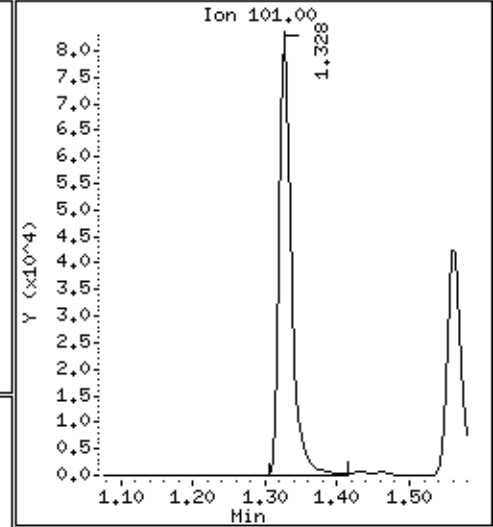
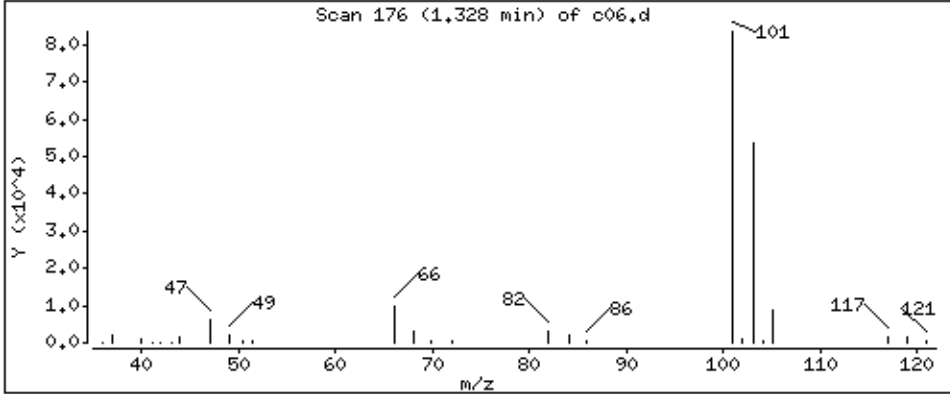
Operator: ala

Column phase: DB-624

Column diameter: 0,18

6 Trichlorofluoromethane

Concentration: 69,8 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

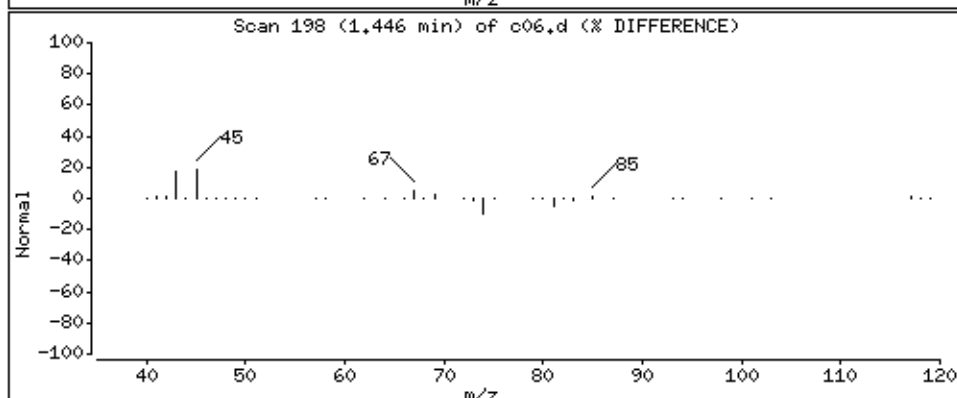
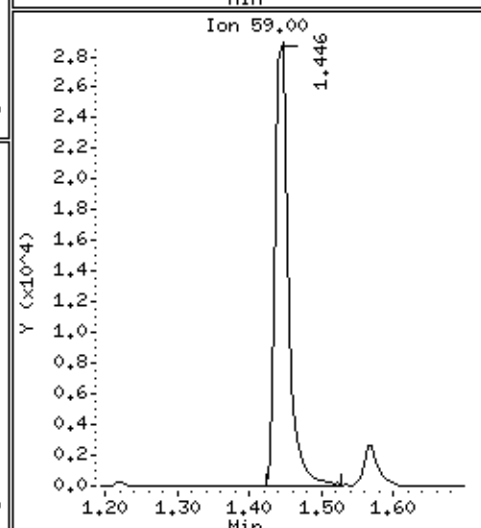
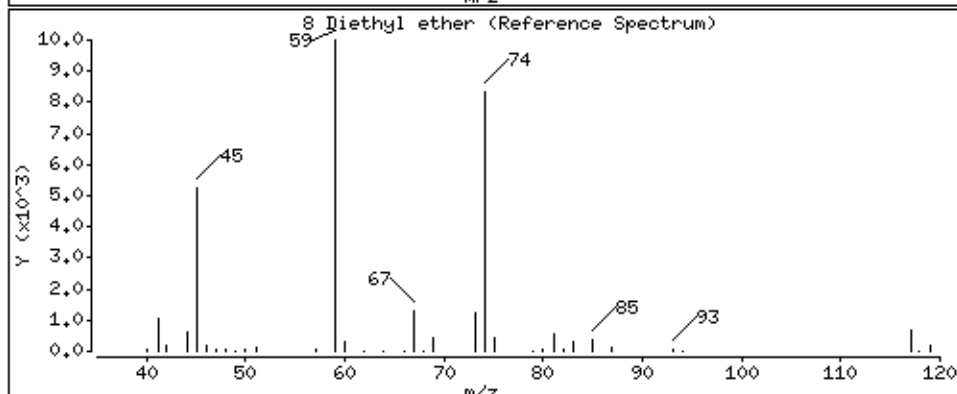
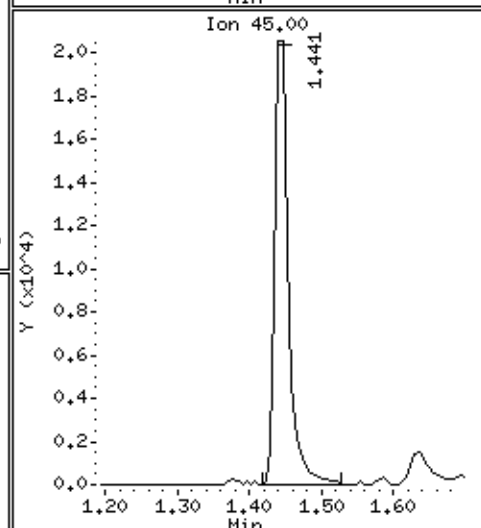
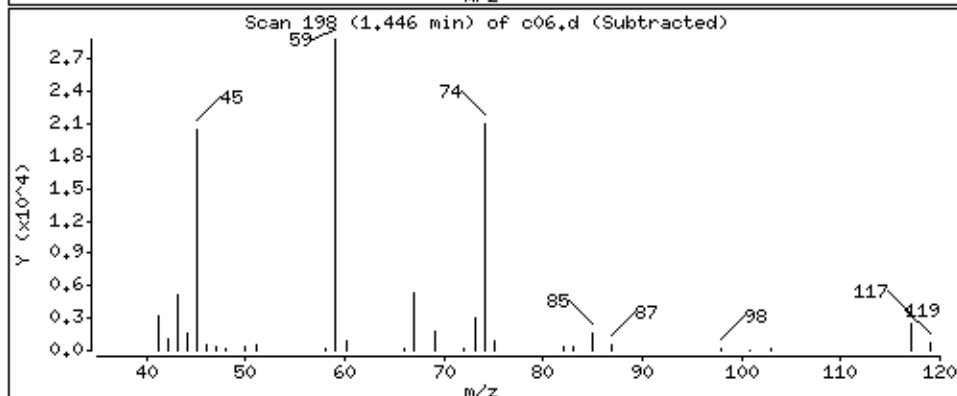
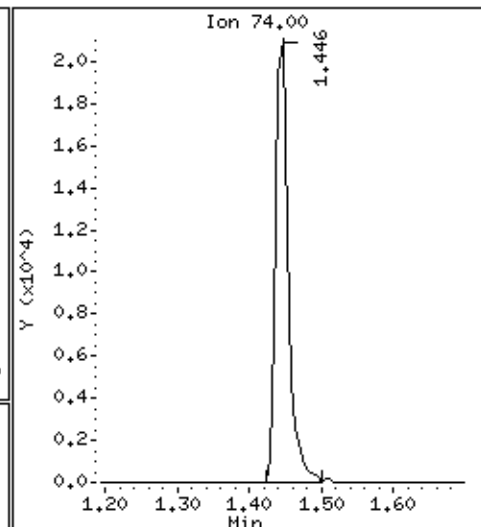
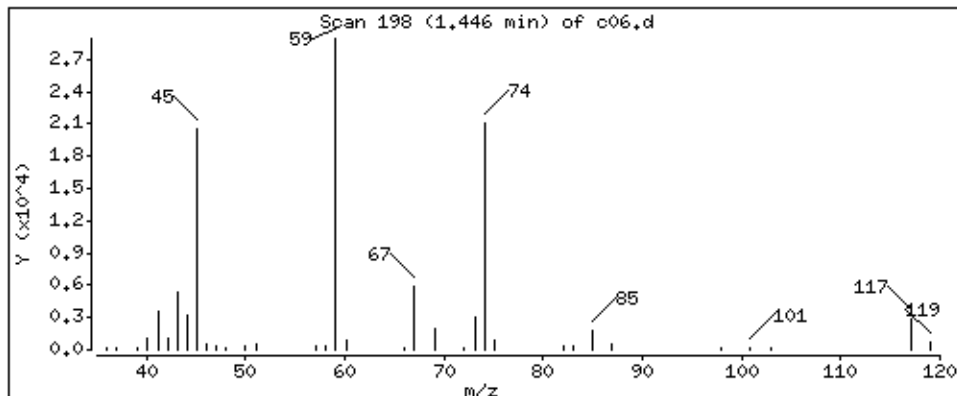
Operator: ala

Column phase: DB-624

Column diameter: 0,18

8 Diethyl ether

Concentration: 58,7 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730;5

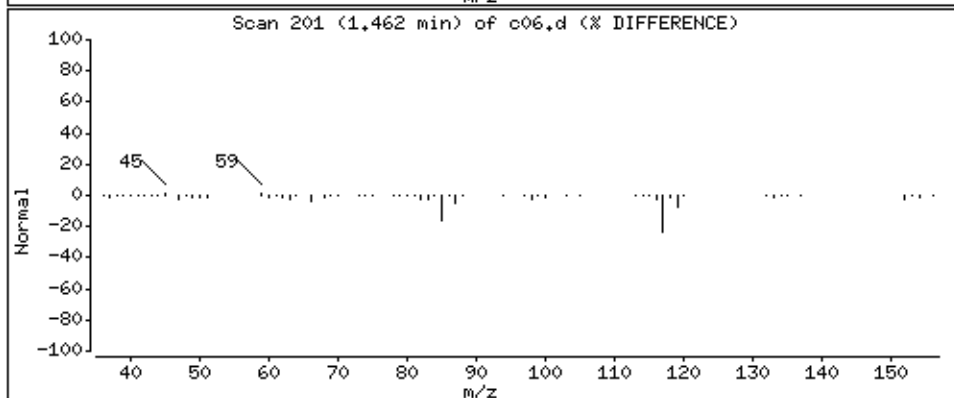
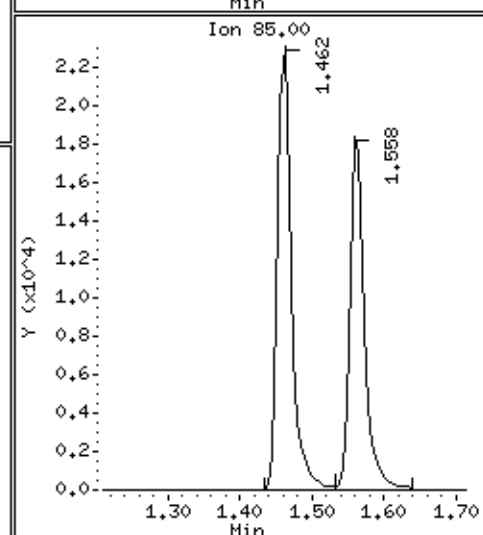
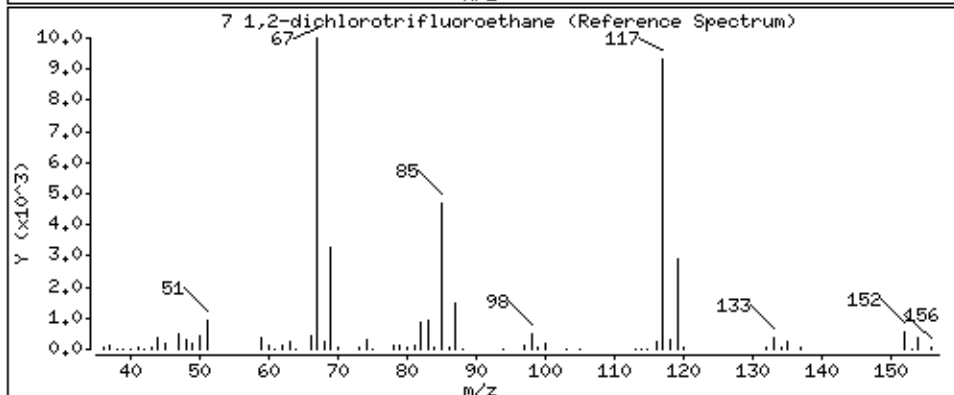
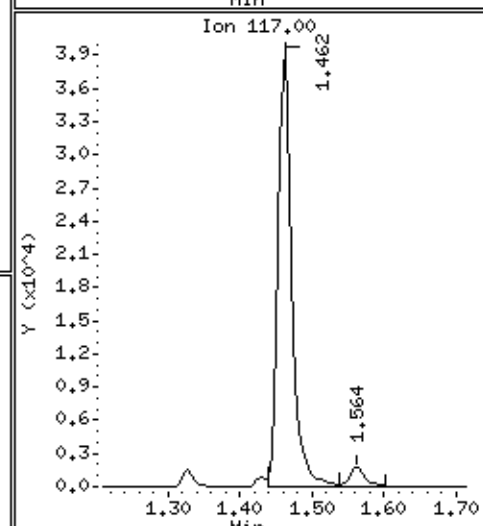
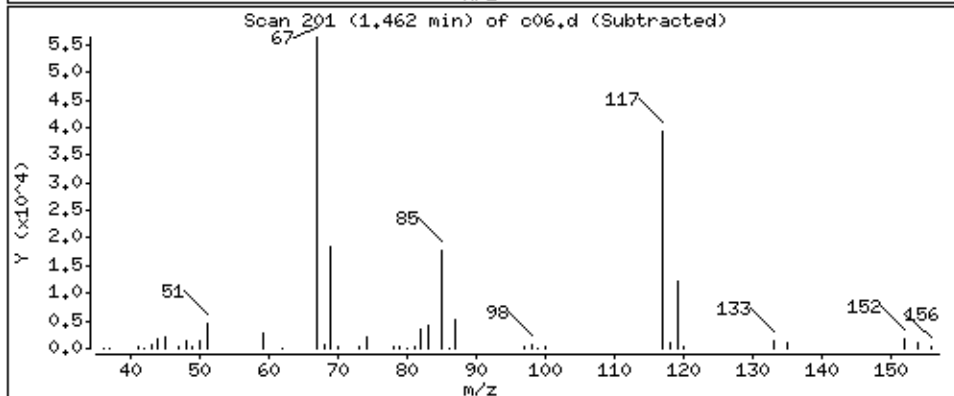
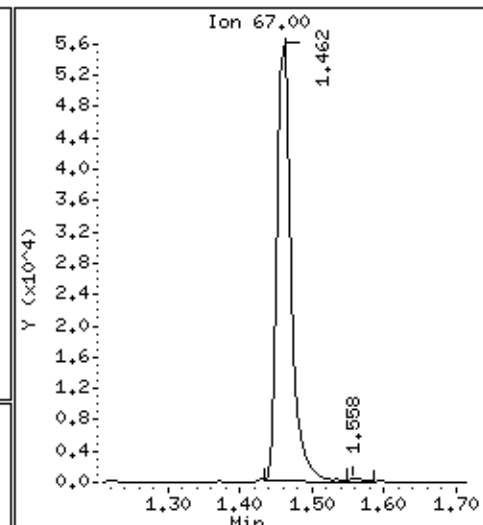
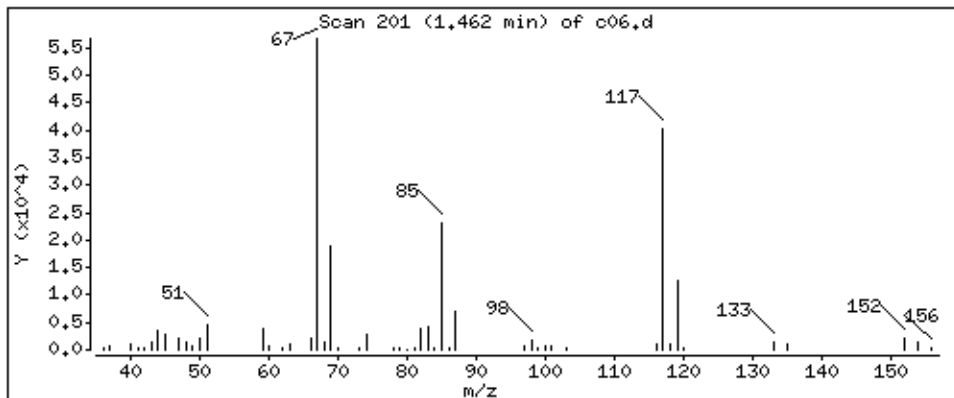
Operator: ala

Column phase: DB-624

Column diameter: 0,18

7 1,2-dichlorotrifluoroethane

Concentration: 66,4 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730;5

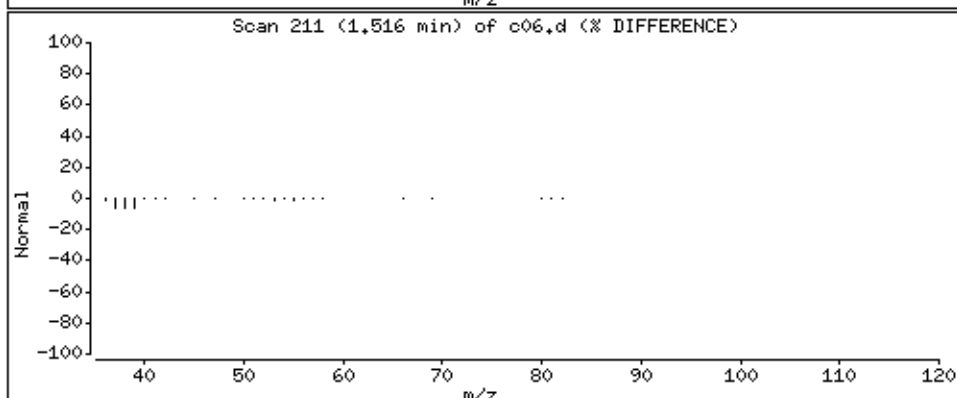
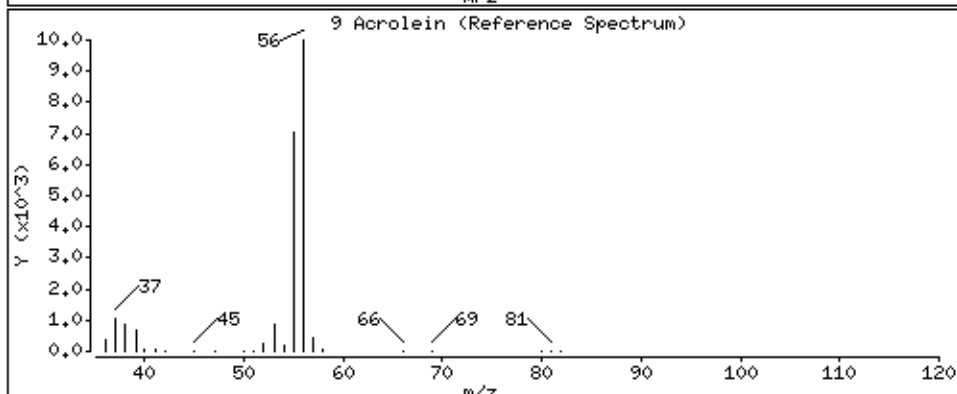
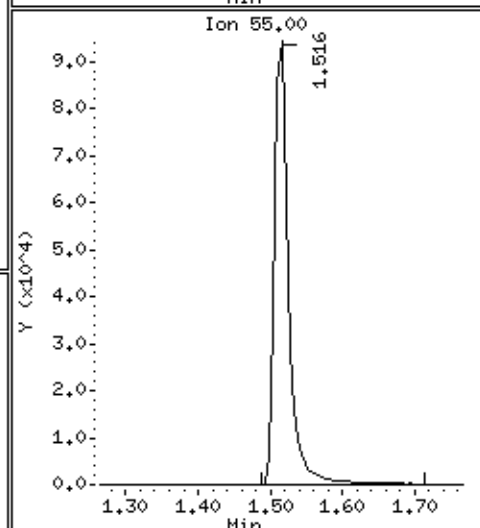
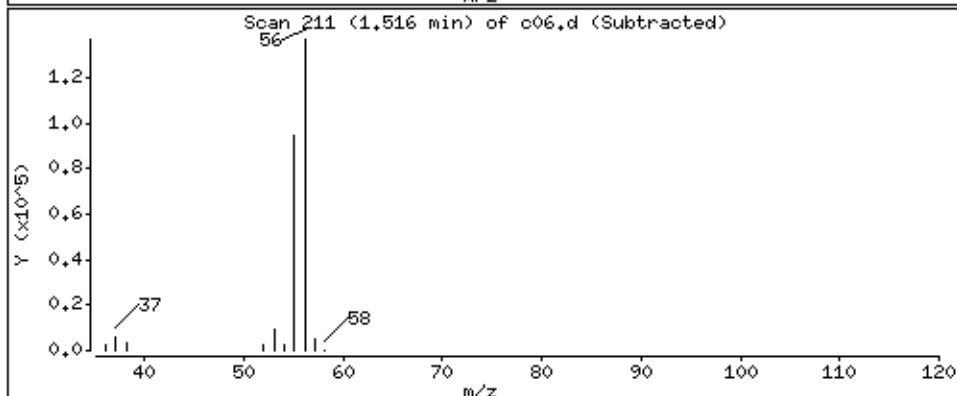
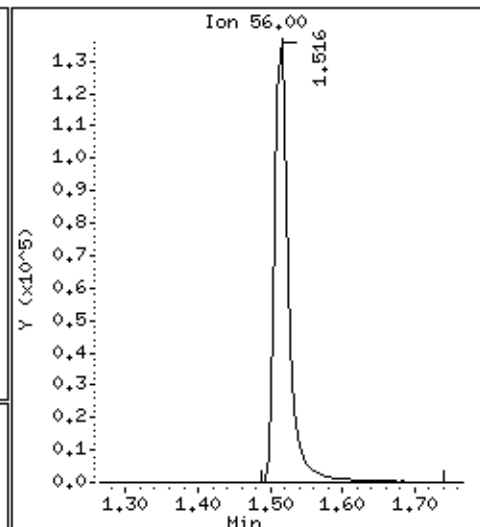
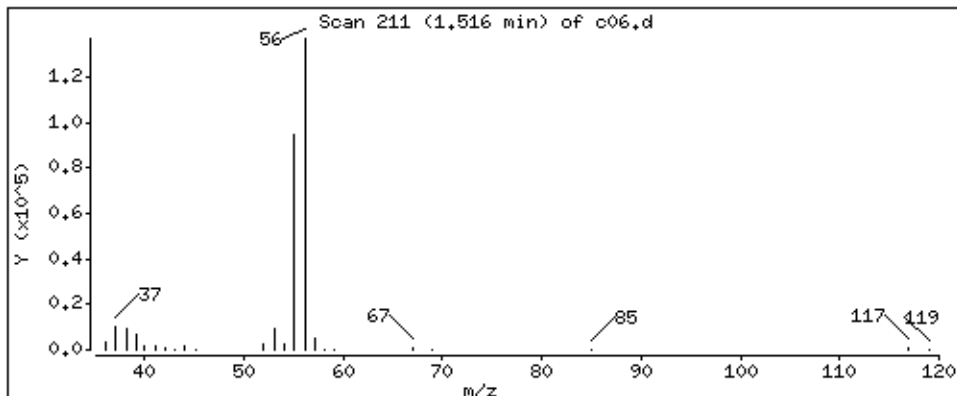
Operator: ala

Column phase: DB-624

Column diameter: 0,18

9 Acrolein

Concentration: 1360 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

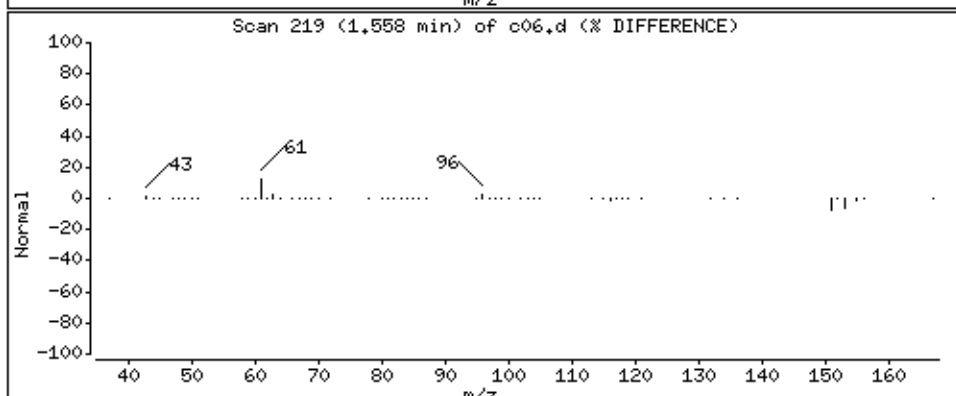
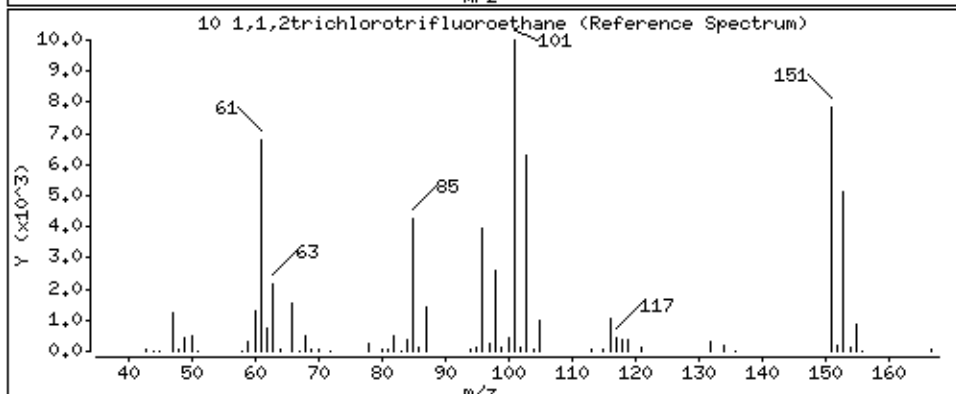
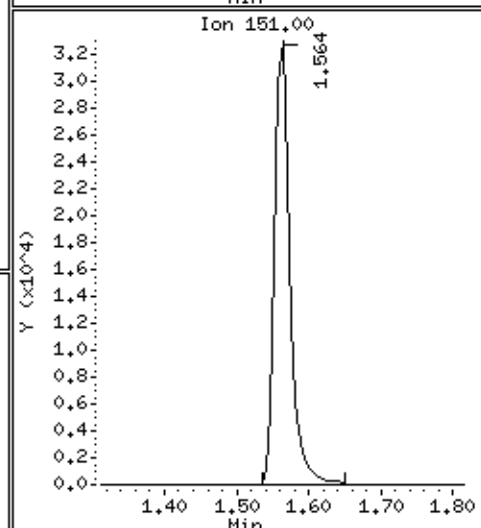
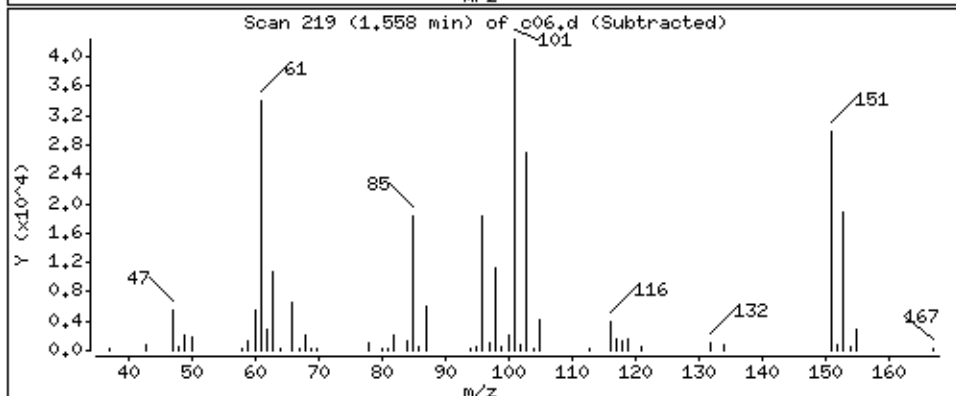
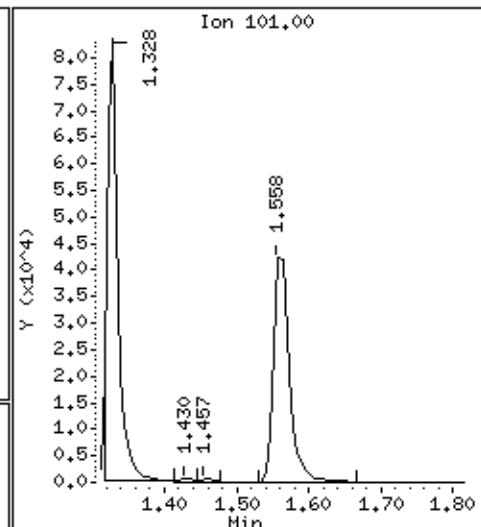
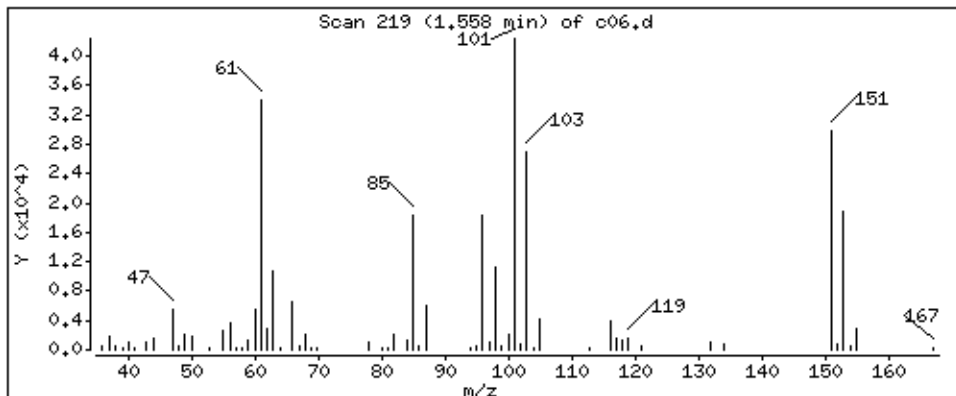
Operator: ala

Column phase: DB-624

Column diameter: 0,18

10 1,1,2trichlorotrifluoroethane

Concentration: 74,5 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

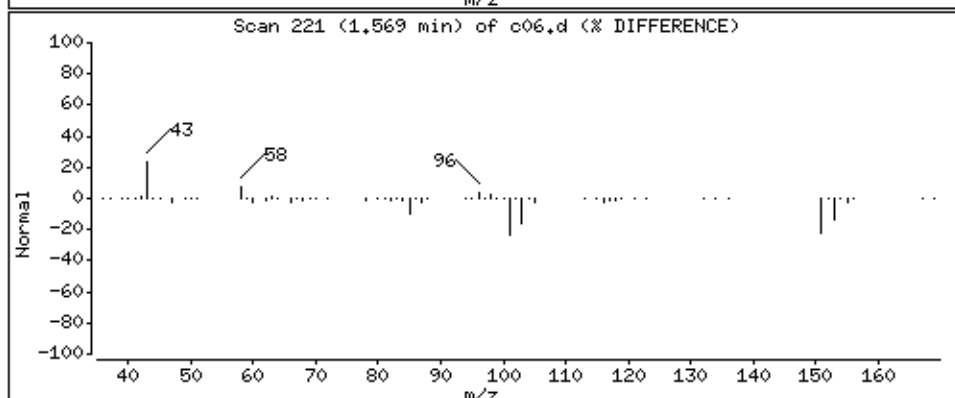
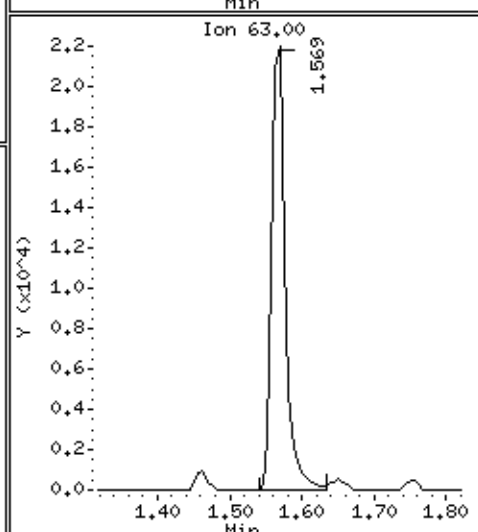
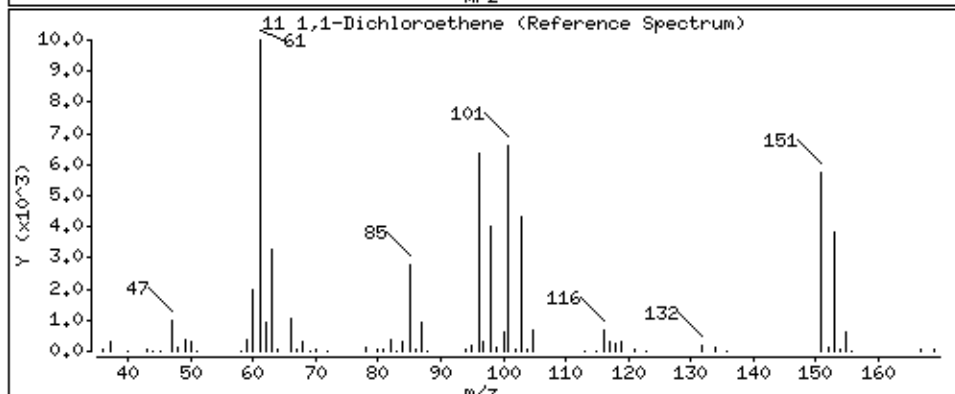
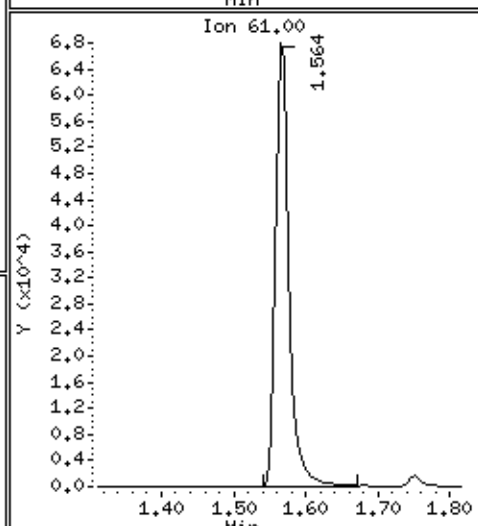
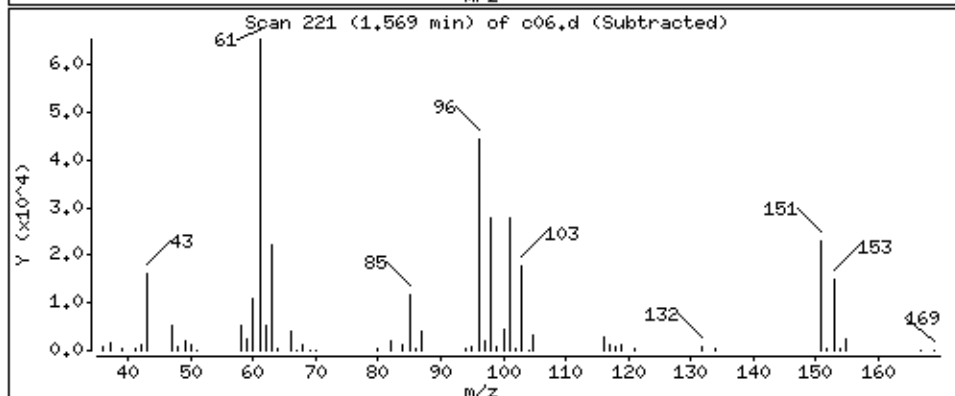
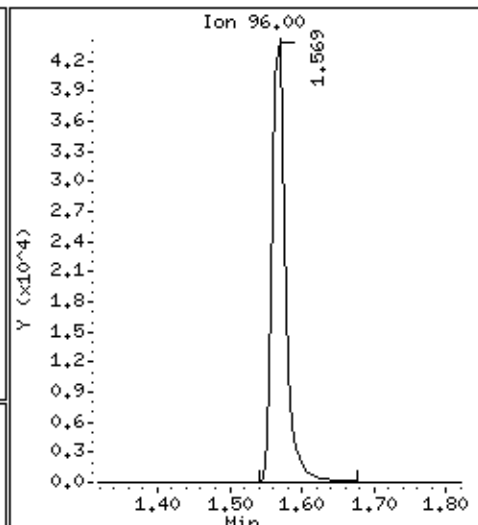
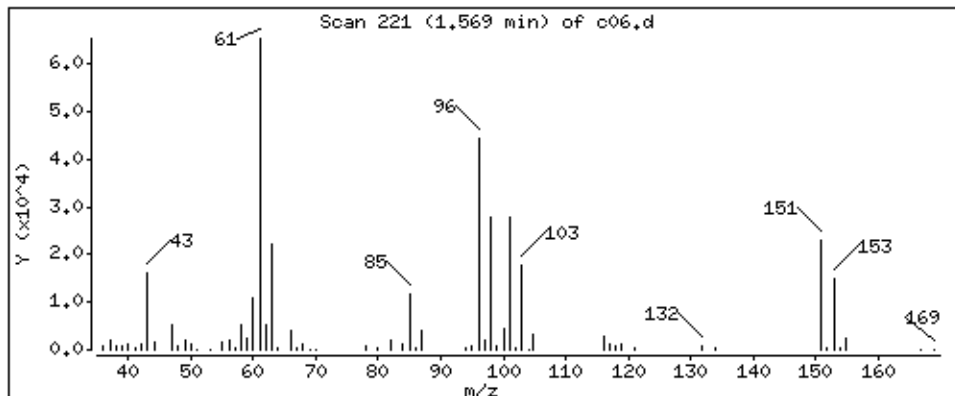
Operator: ala

Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 67,5 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

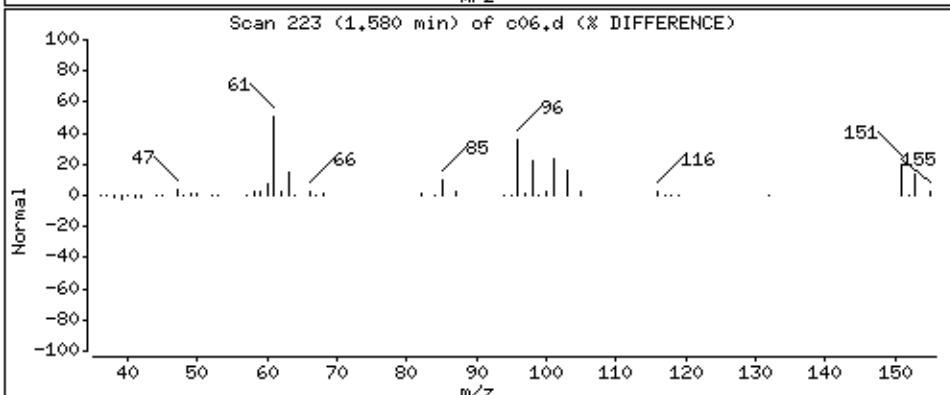
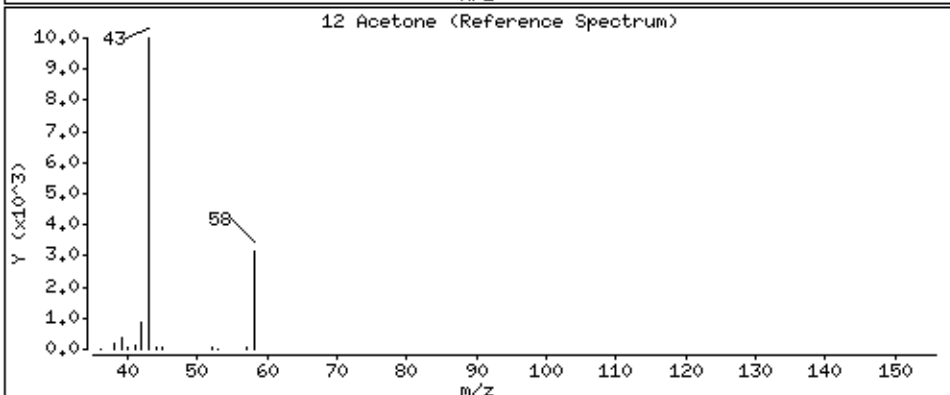
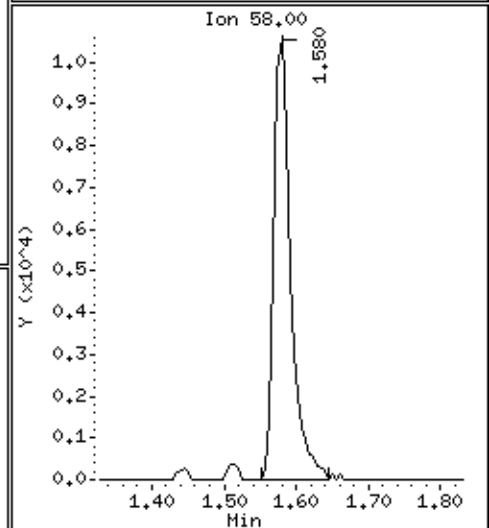
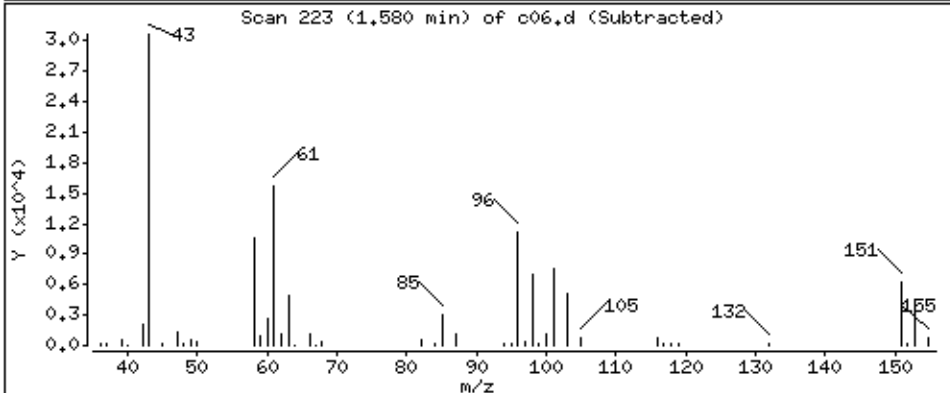
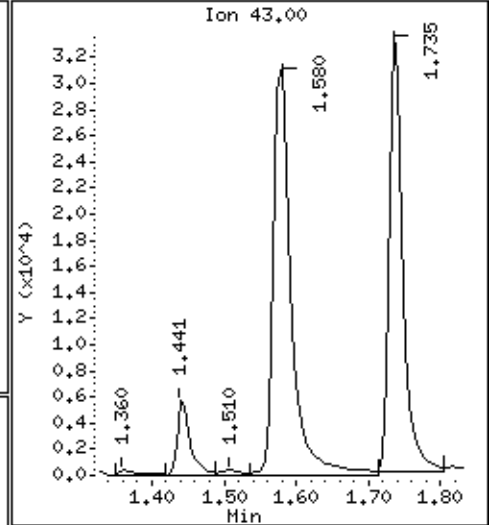
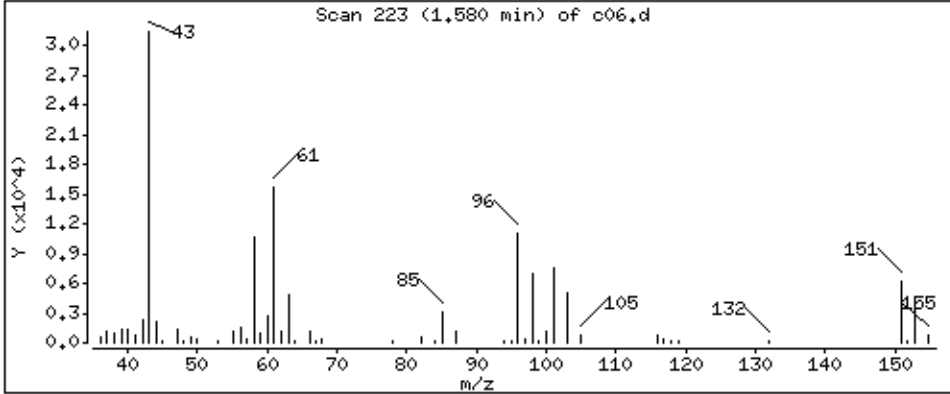
Operator: ala

Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 260 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730;5

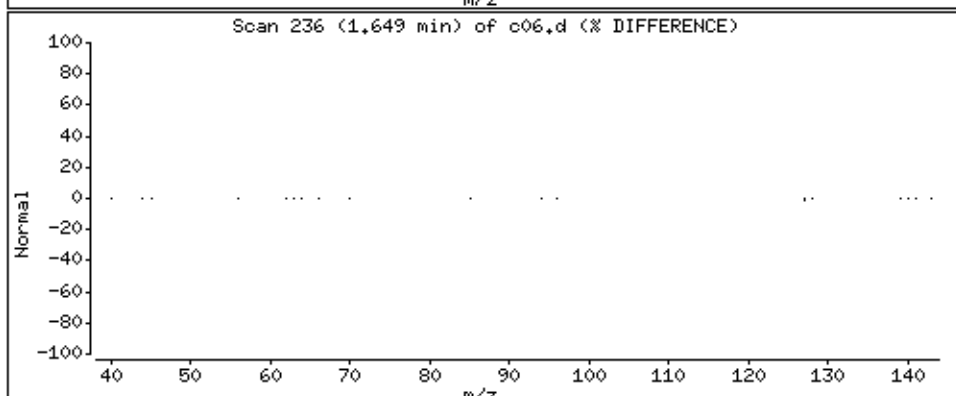
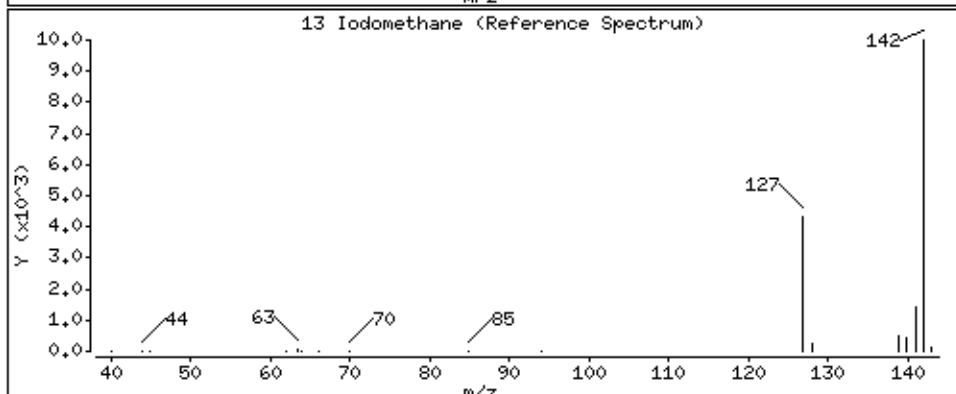
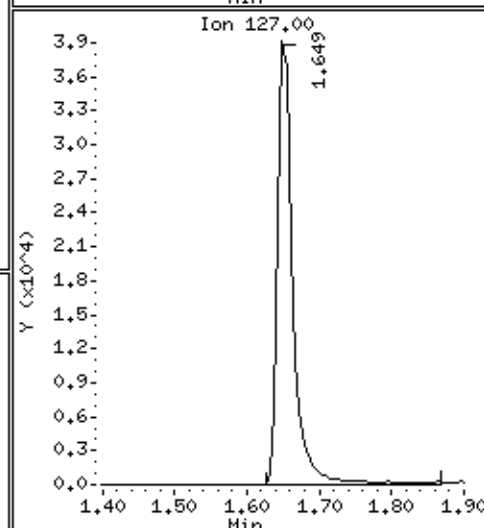
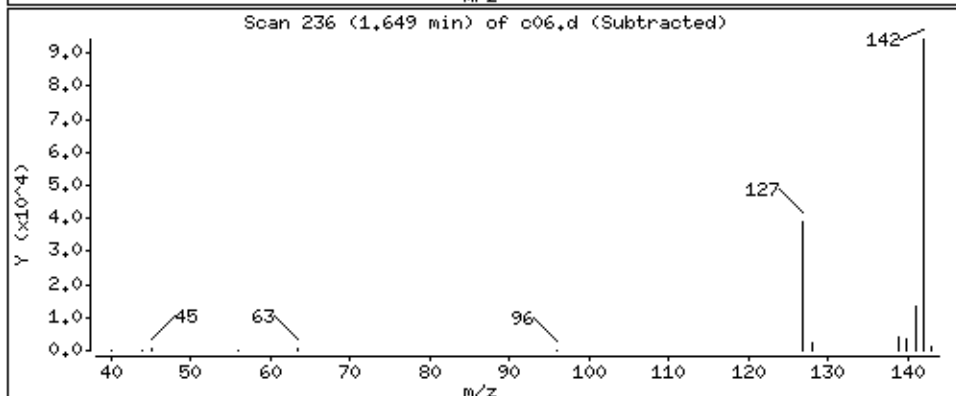
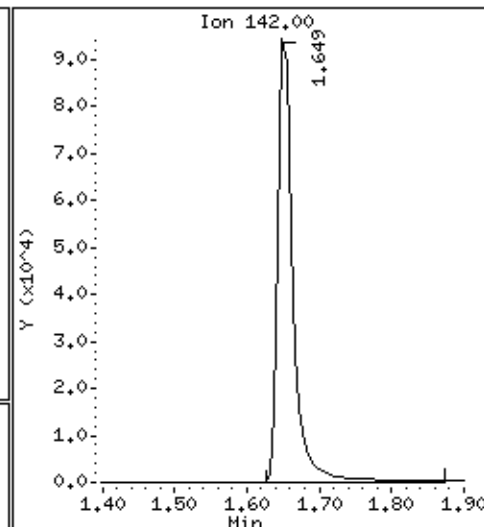
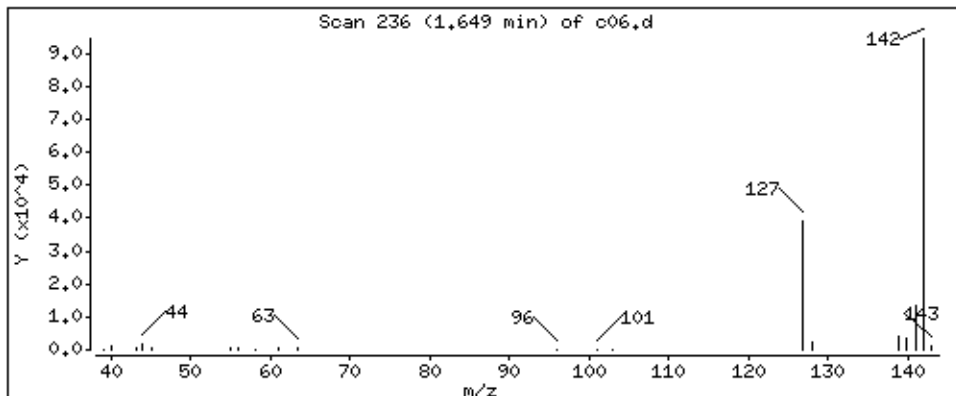
Operator: ala

Column phase: DB-624

Column diameter: 0,18

13 Iodomethane

Concentration: 140 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

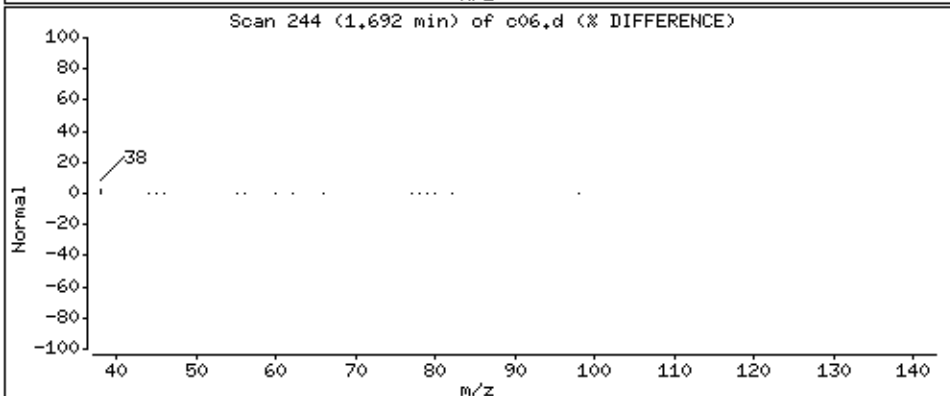
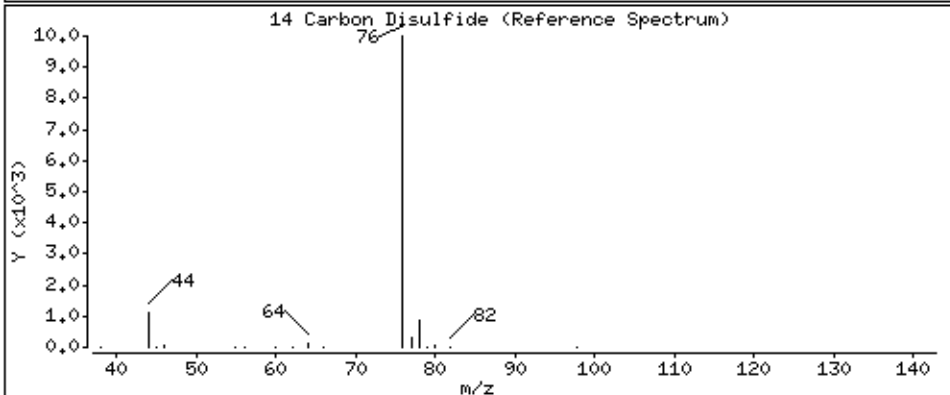
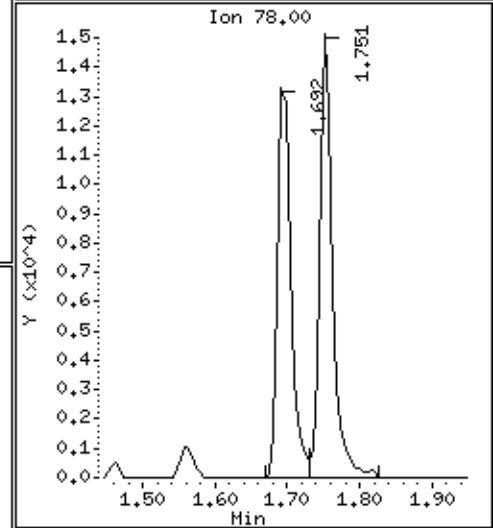
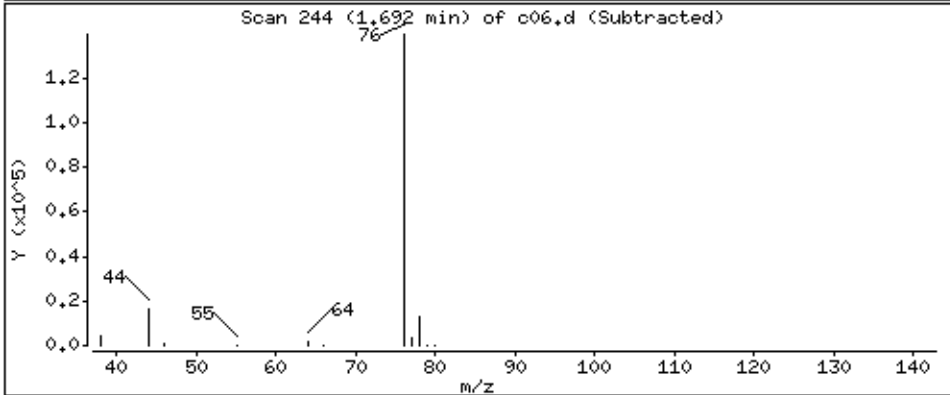
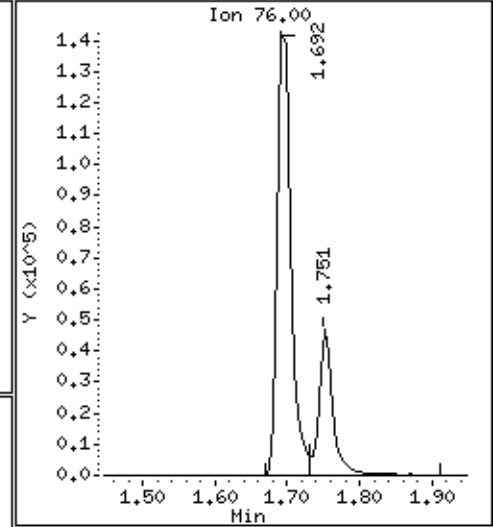
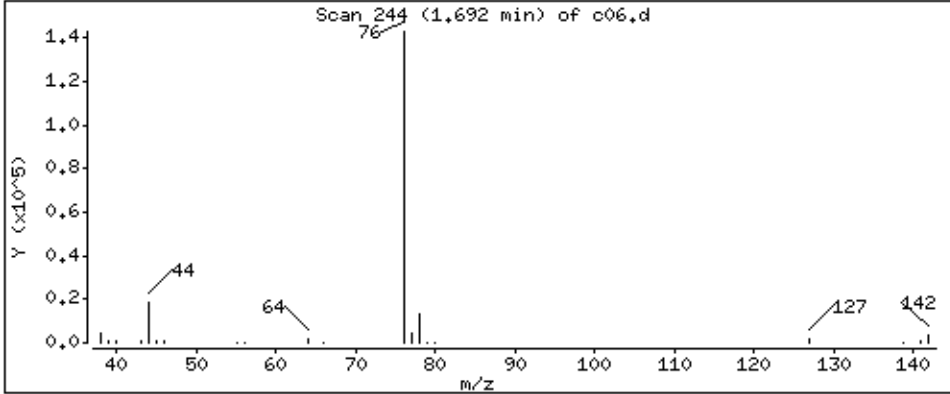
Operator: ala

Column phase: DB-624

Column diameter: 0,18

14 Carbon Disulfide

Concentration: 59,9 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

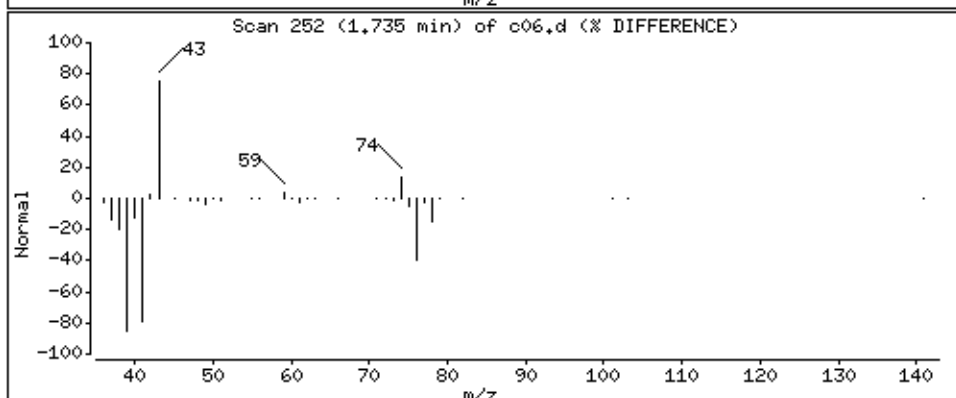
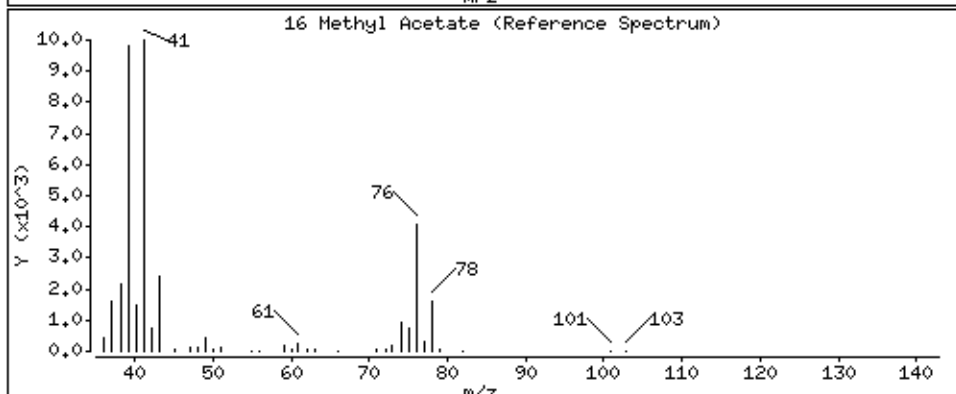
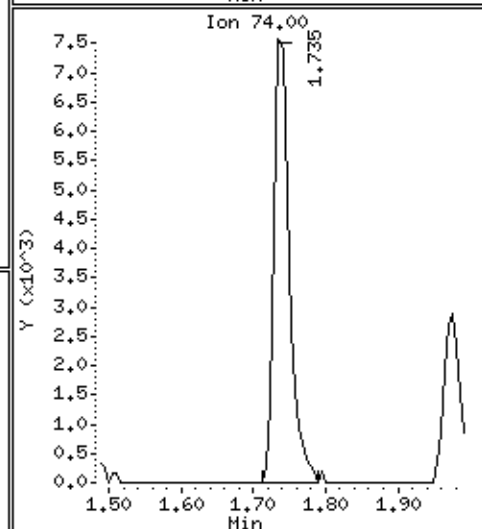
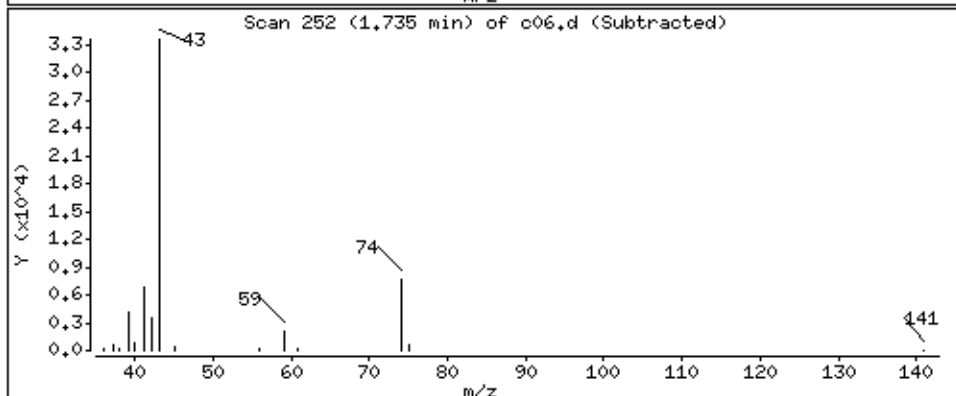
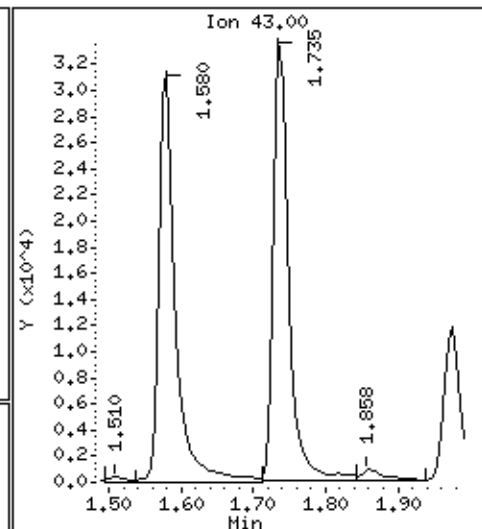
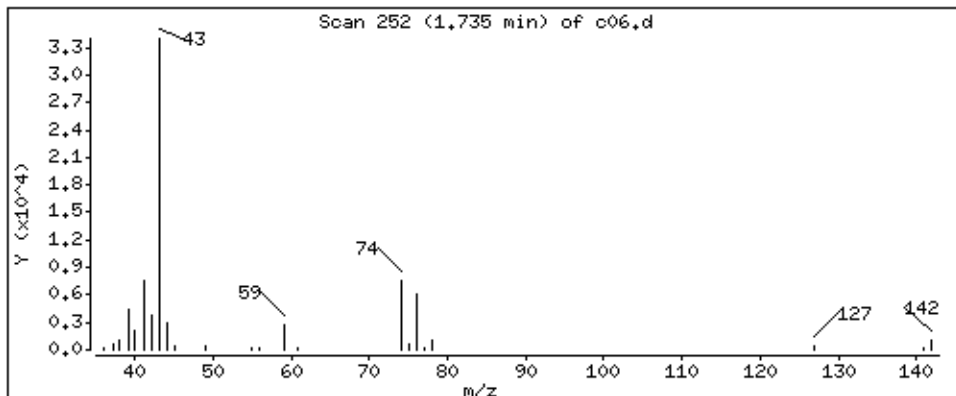
Operator: ala

Column phase: DB-624

Column diameter: 0,18

16 Methyl Acetate

Concentration: 94,4 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730;5

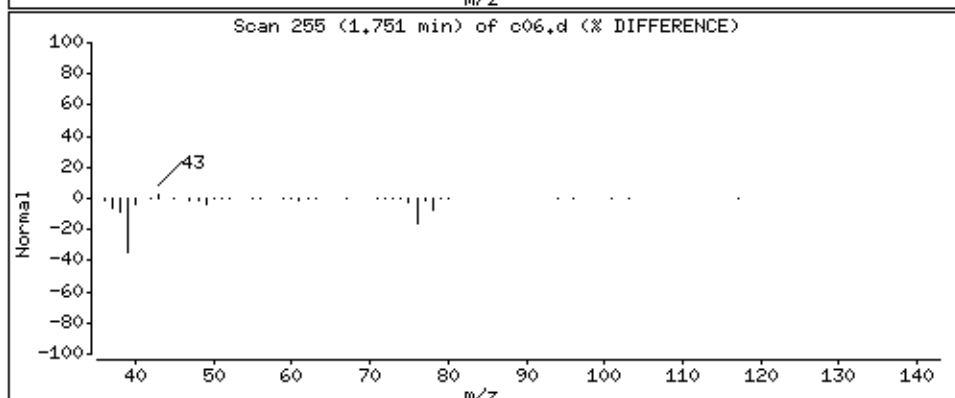
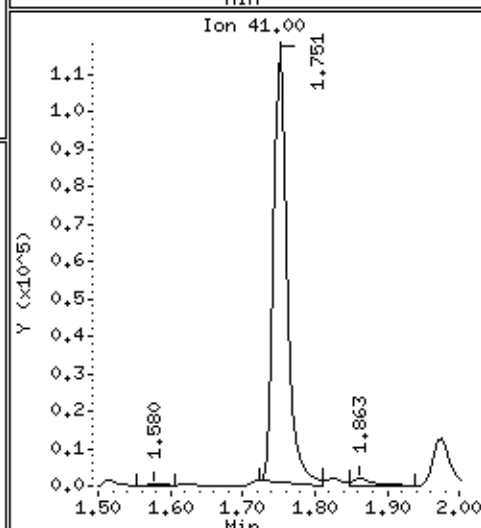
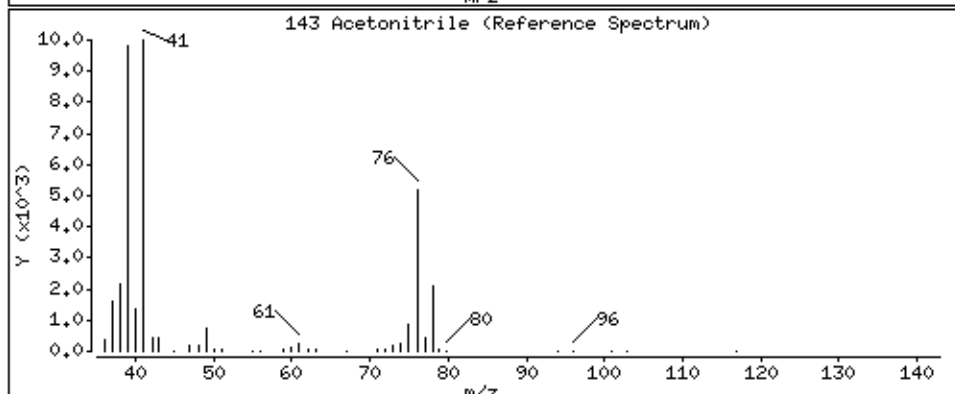
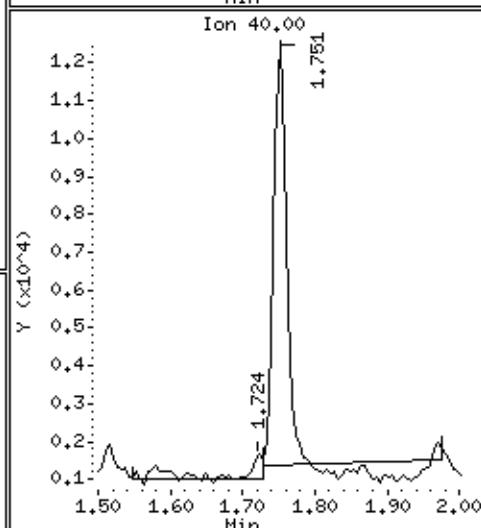
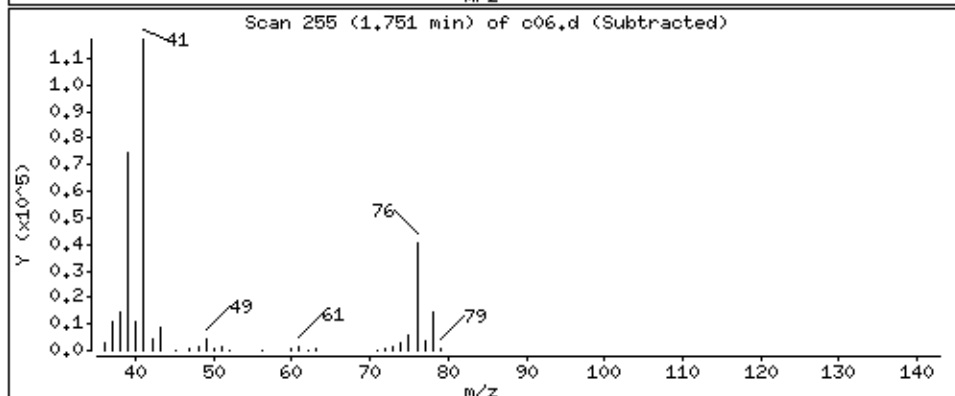
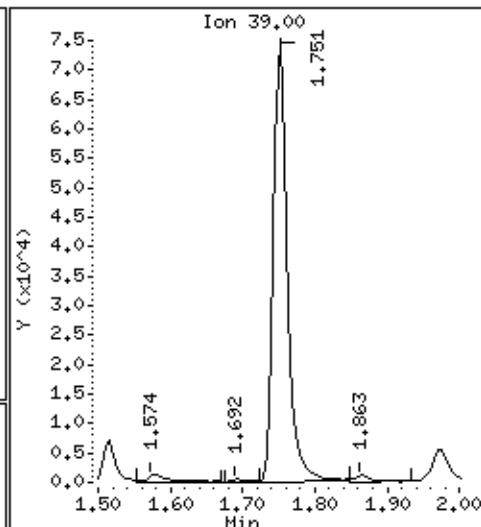
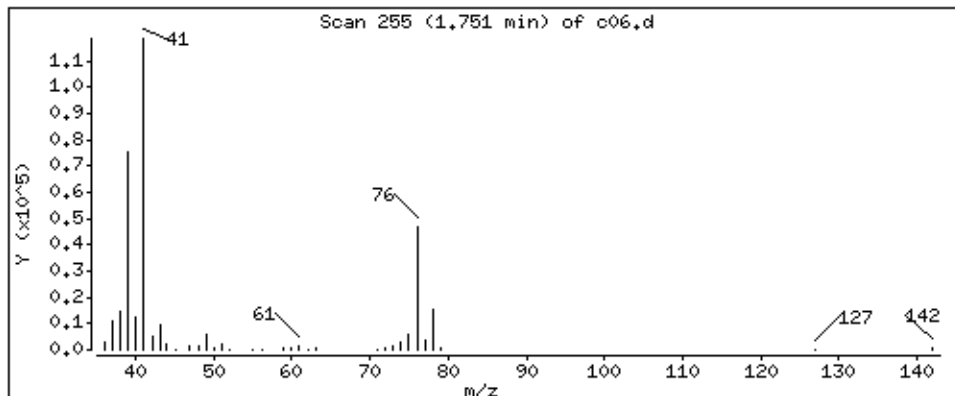
Operator: ala

Column phase: DB-624

Column diameter: 0,18

143 Acetonitrile

Concentration: 57,2 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

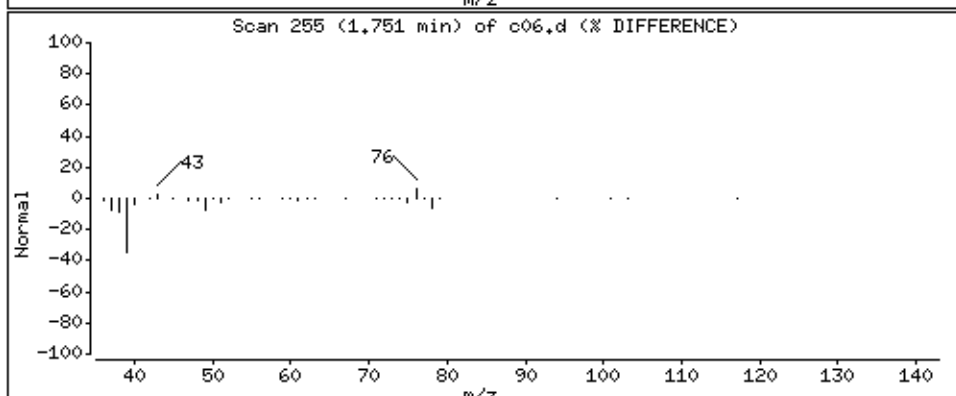
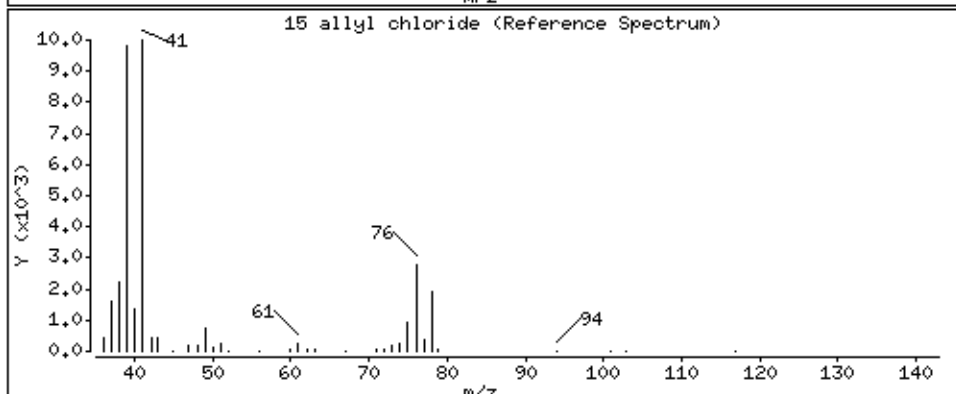
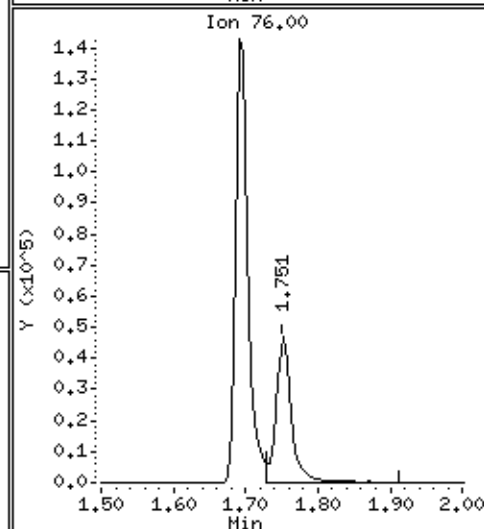
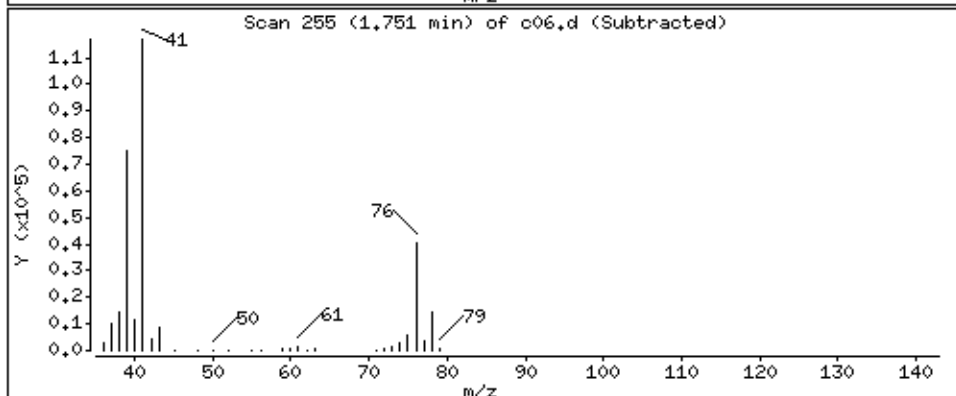
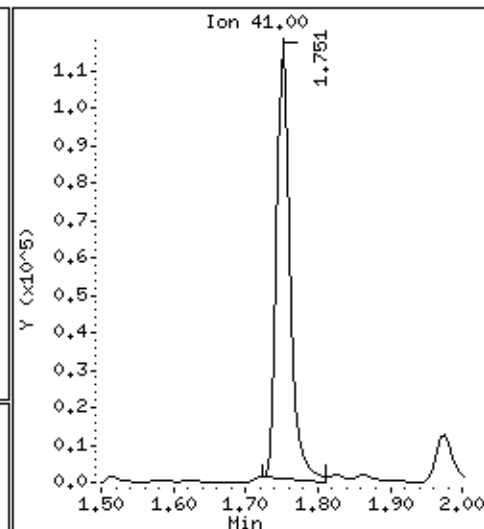
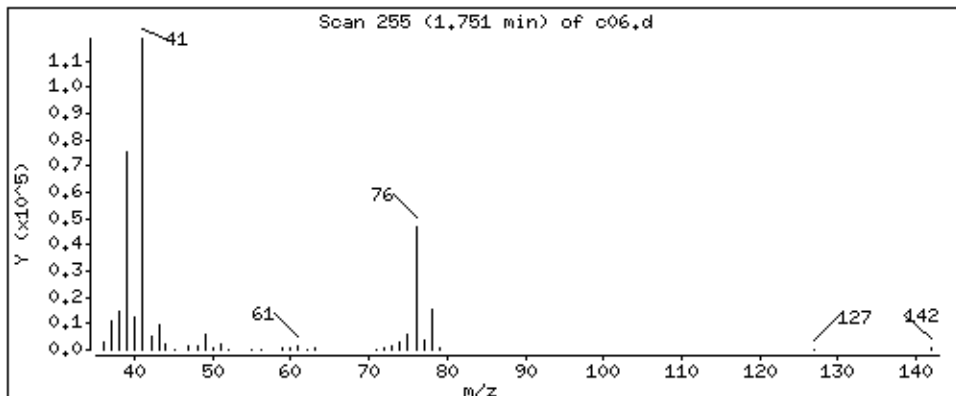
Operator: ala

Column phase: DB-624

Column diameter: 0,18

15 allyl chloride

Concentration: 117 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730;5

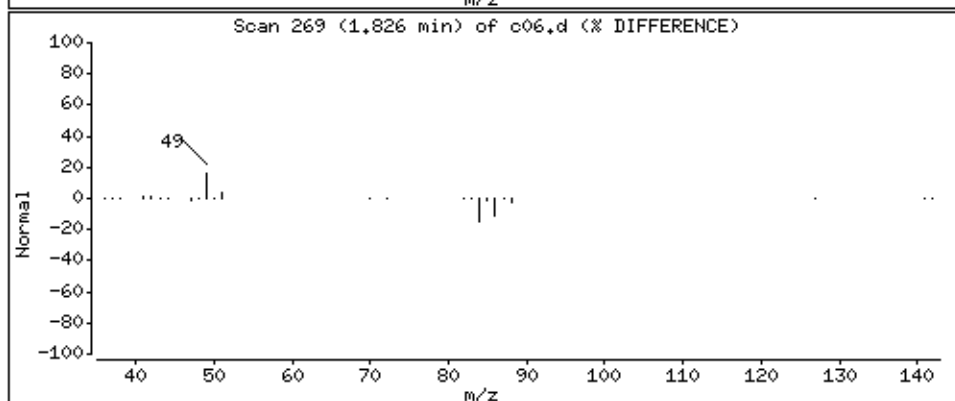
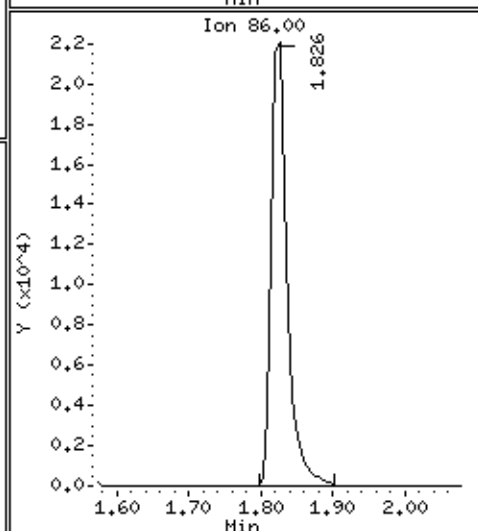
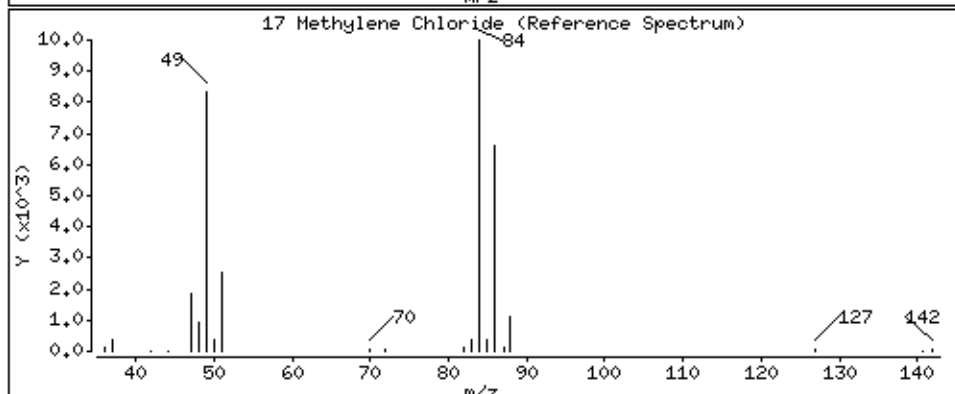
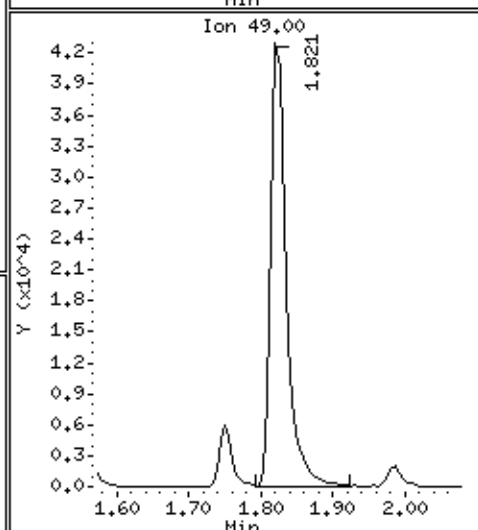
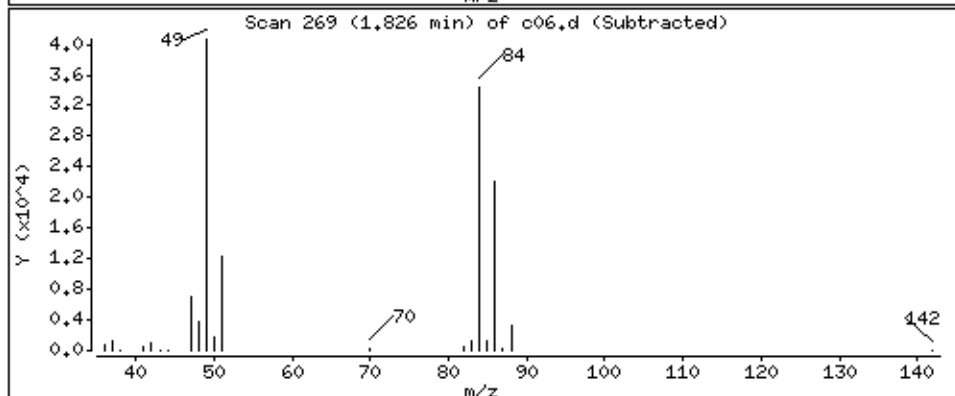
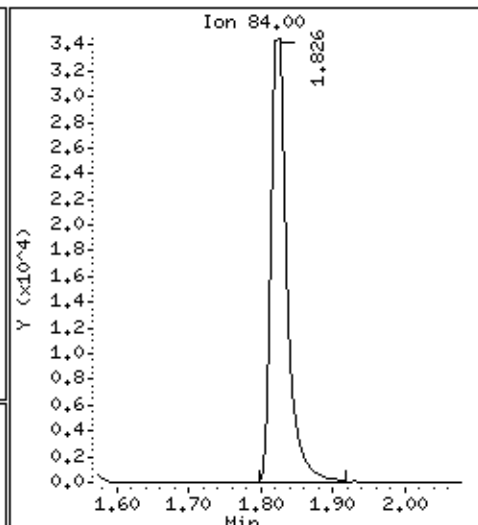
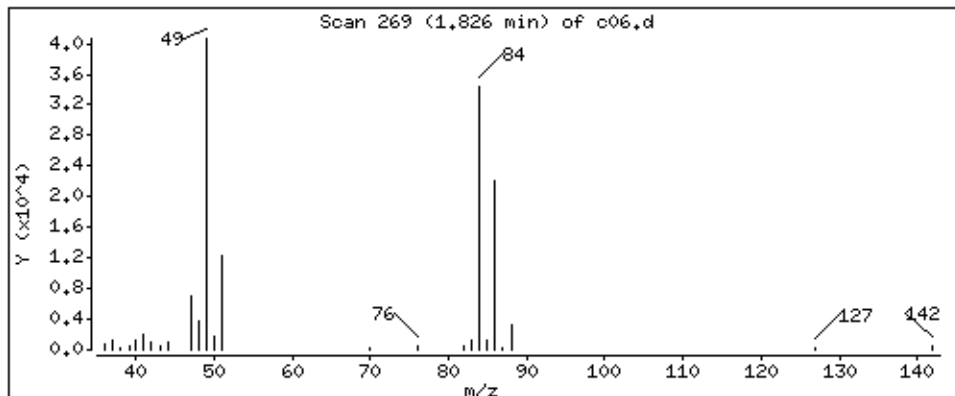
Operator: ala

Column phase: DB-624

Column diameter: 0,18

17 Methylene Chloride

Concentration: 61.7 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

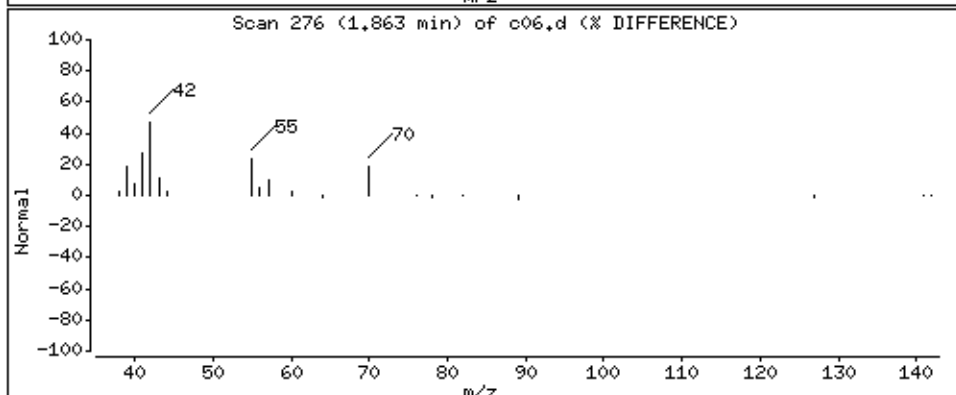
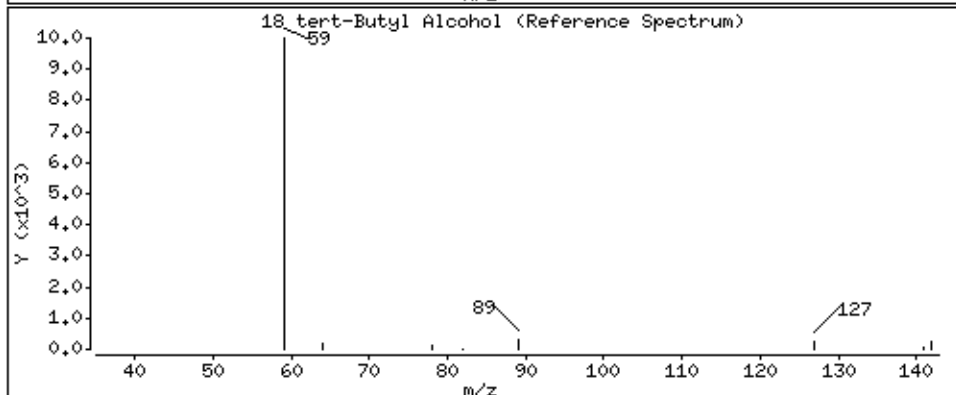
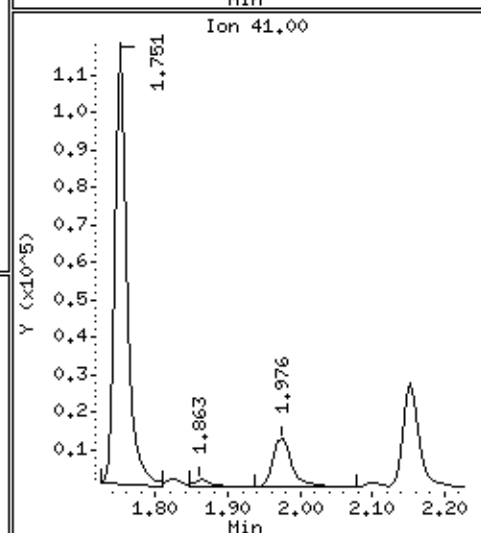
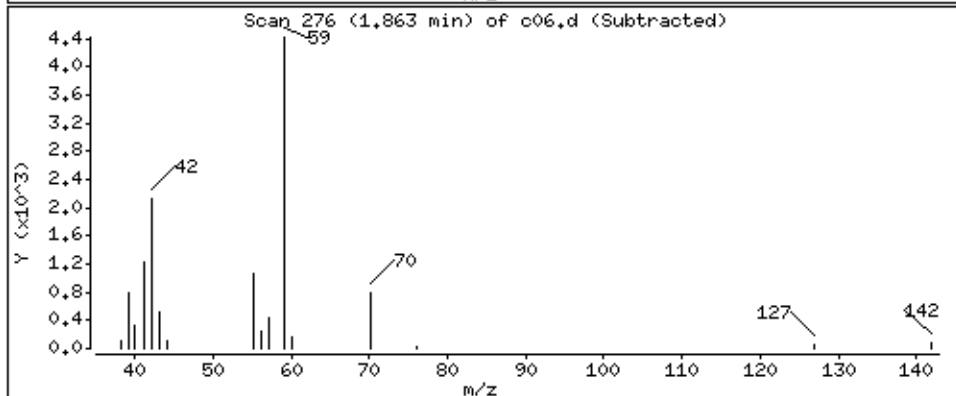
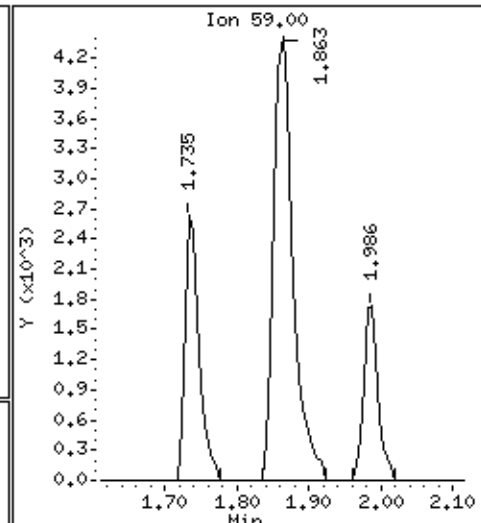
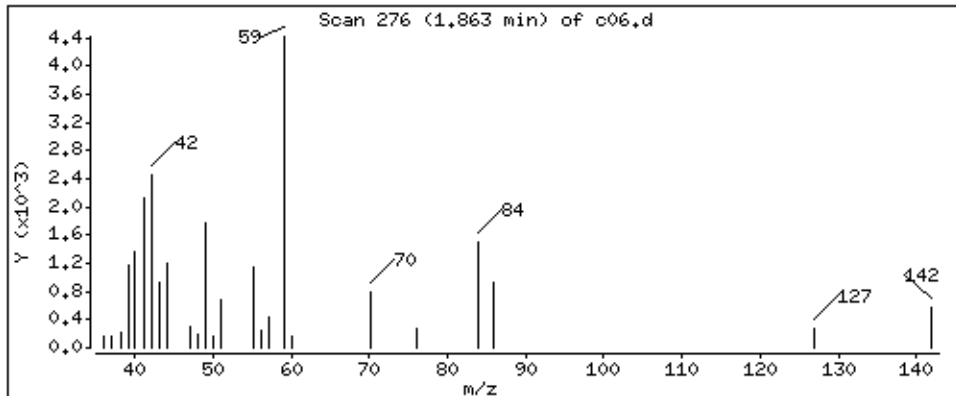
Operator: ala

Column phase: DB-624

Column diameter: 0,18

18 tert-Butyl Alcohol

Concentration: 85,0 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

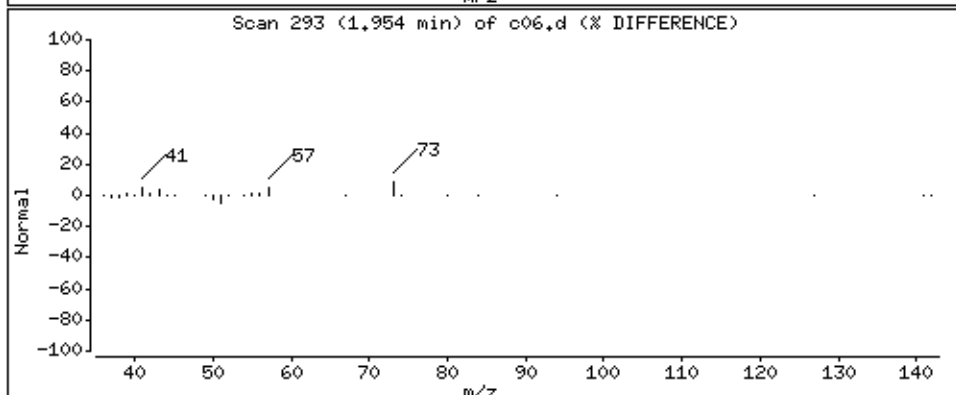
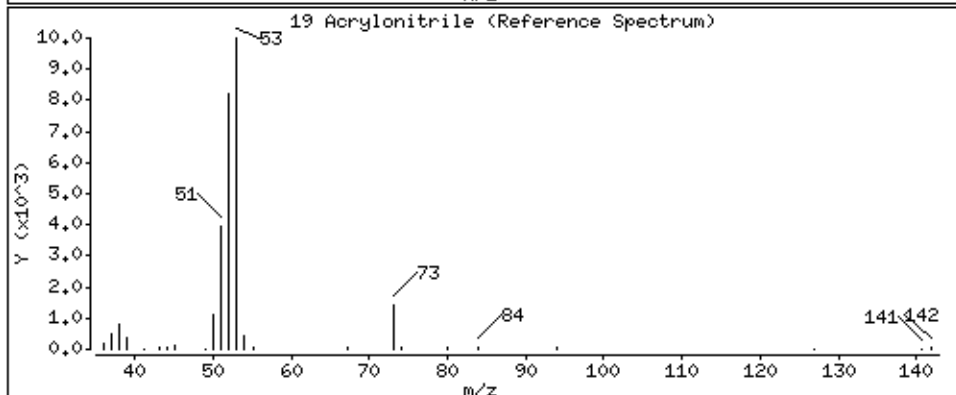
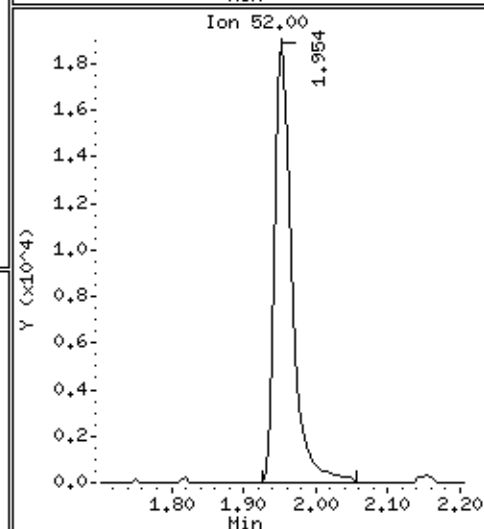
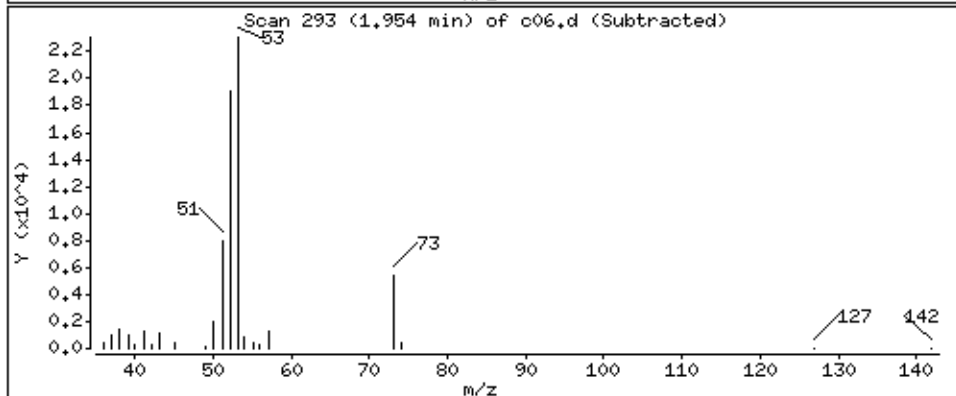
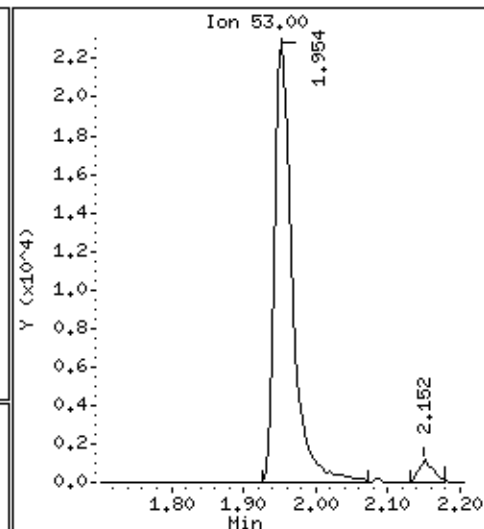
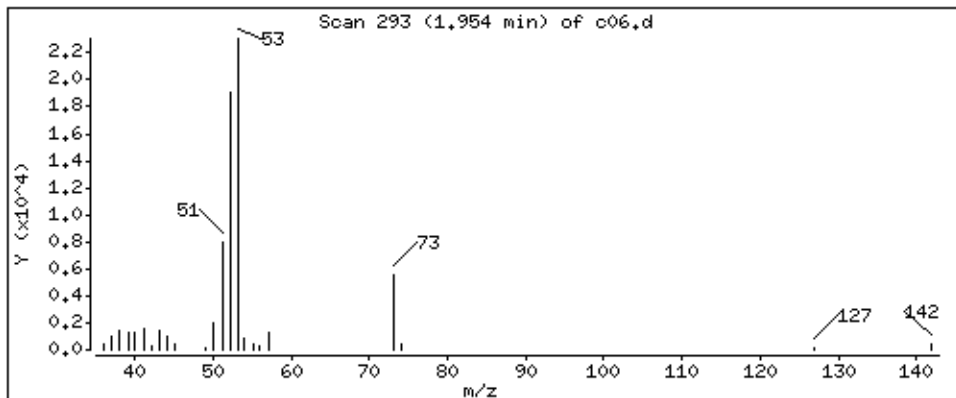
Operator: ala

Column phase: DB-624

Column diameter: 0,18

19 Acrylonitrile

Concentration: 165 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

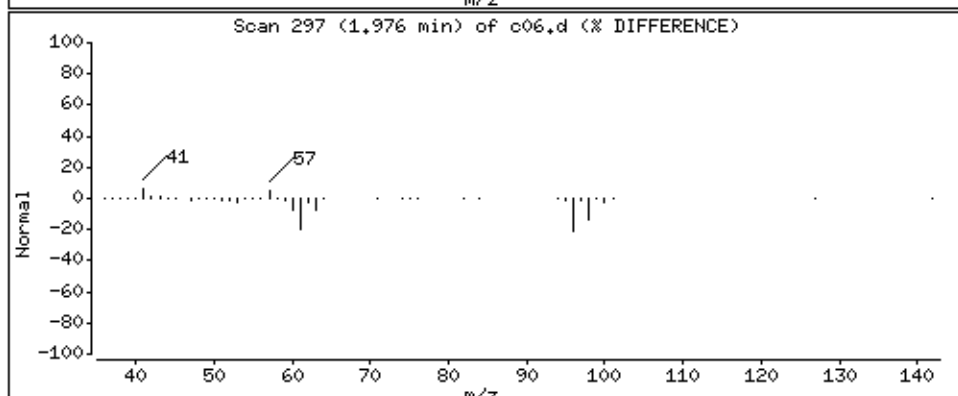
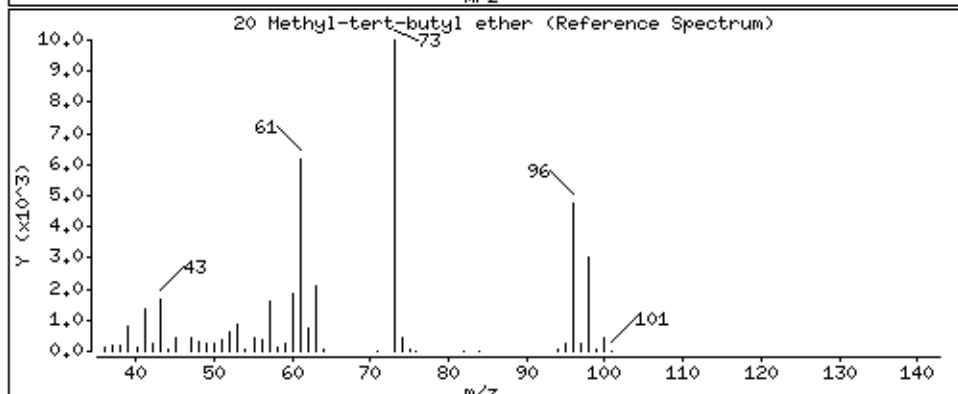
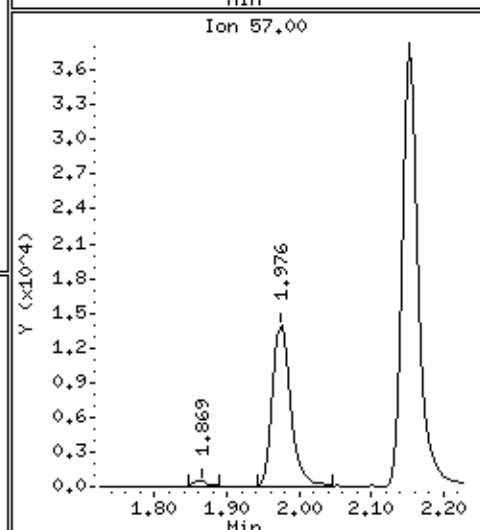
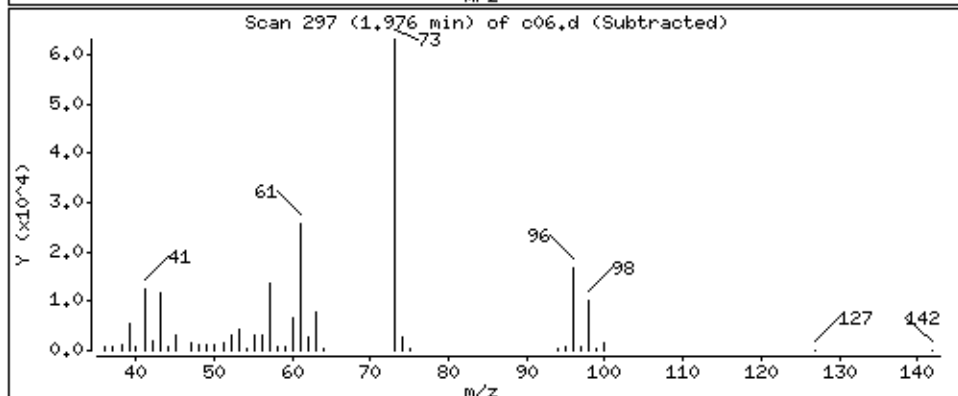
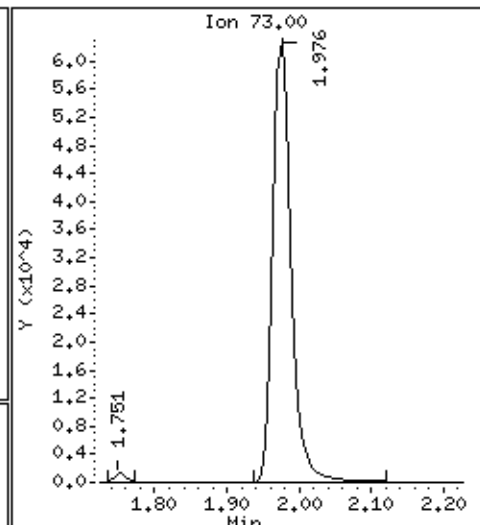
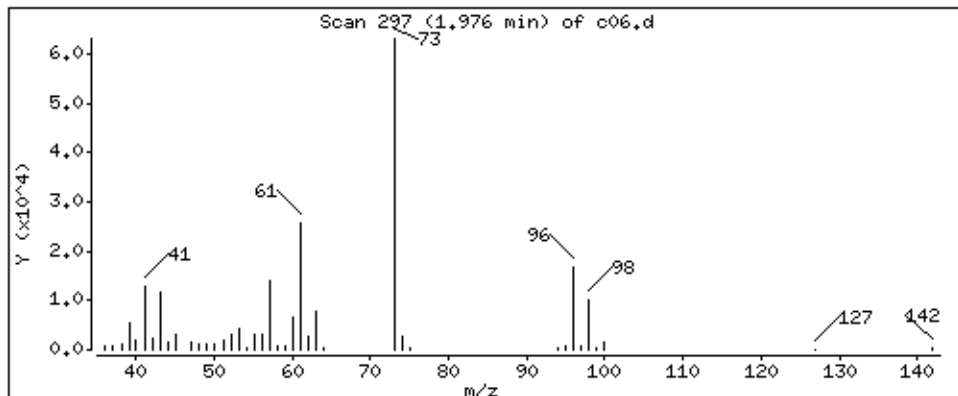
Operator: ala

Column phase: DB-624

Column diameter: 0,18

20 Methyl-tert-butyl ether

Concentration: 63,2 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730;5

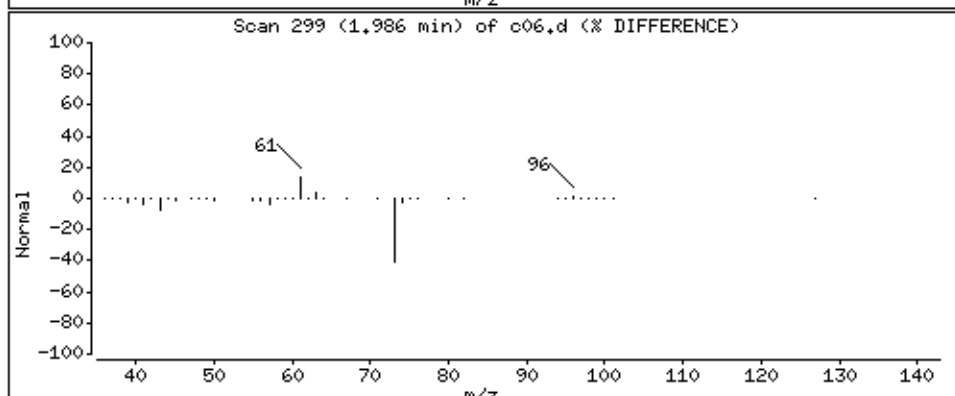
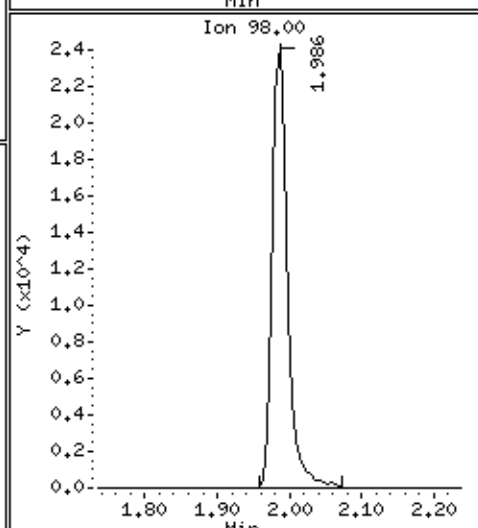
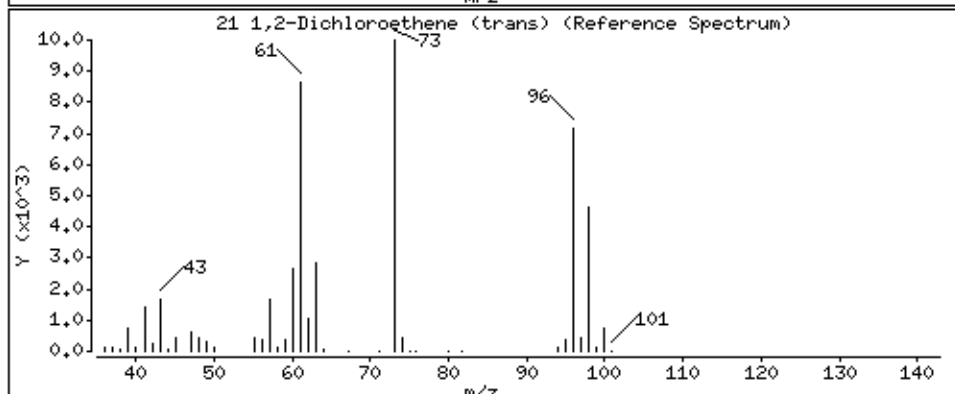
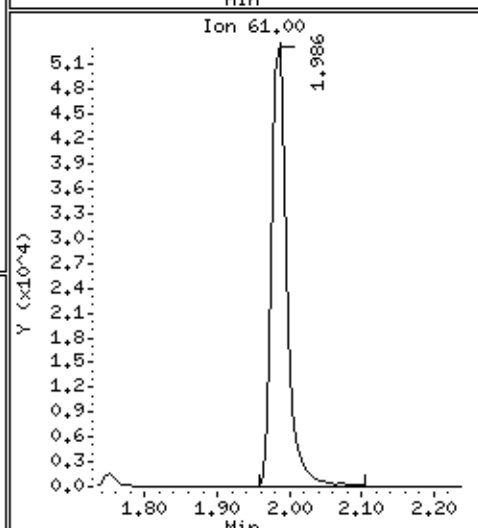
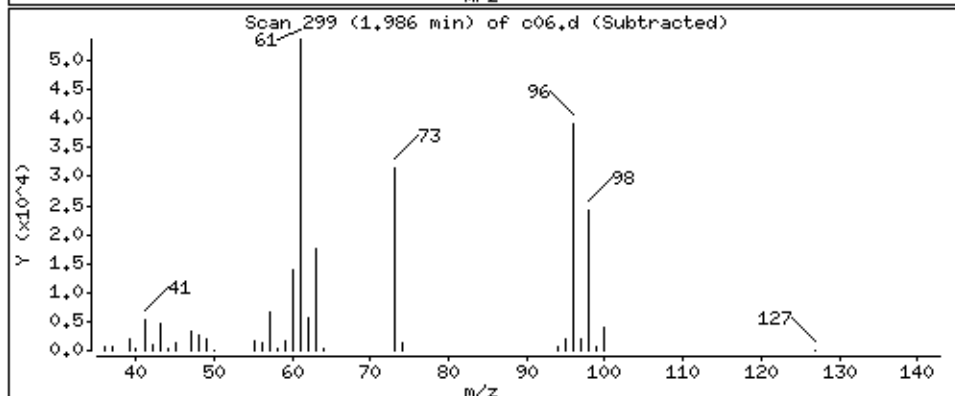
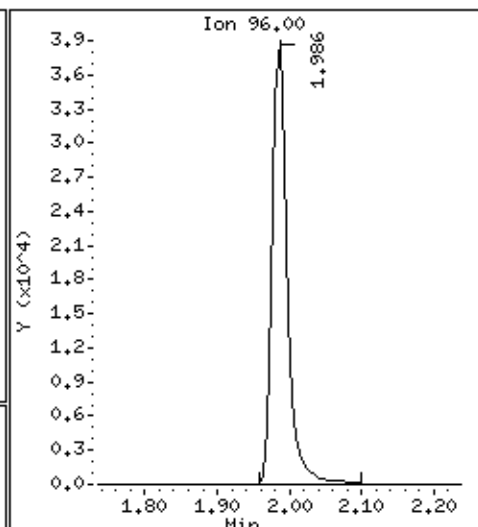
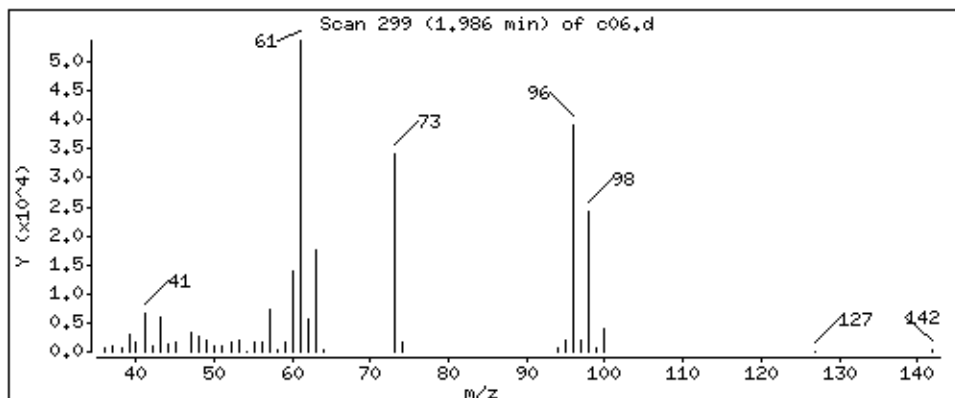
Operator: ala

Column phase: DB-624

Column diameter: 0,18

21 1,2-Dichloroethene (trans)

Concentration: 65,0 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730;5

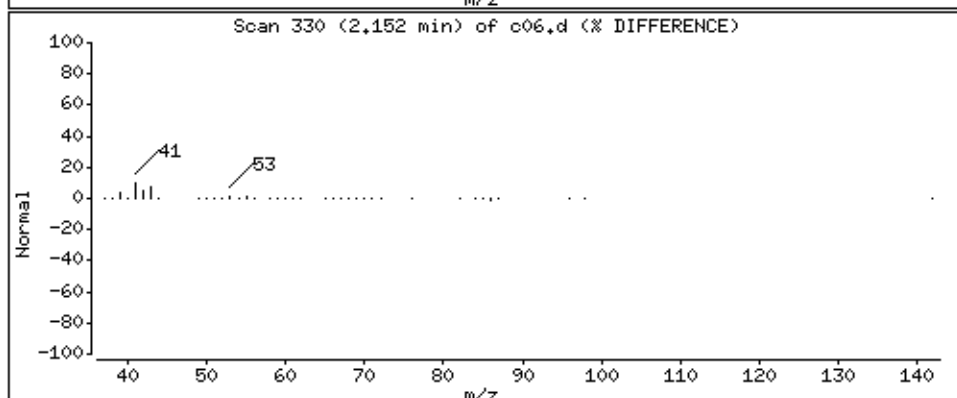
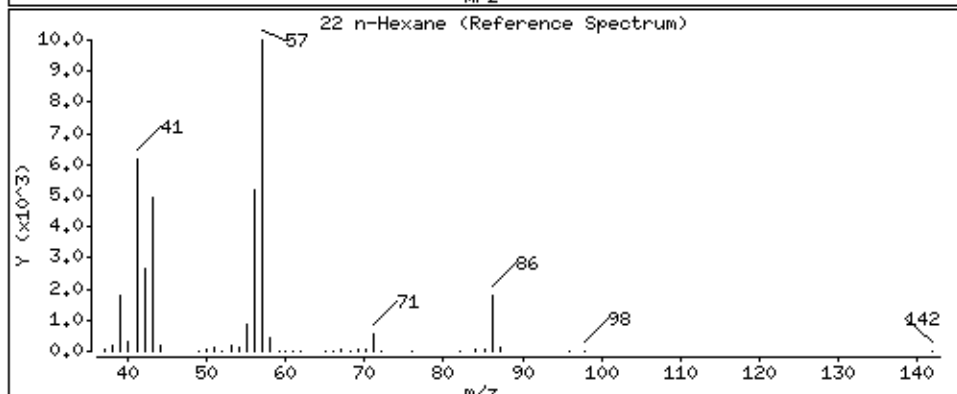
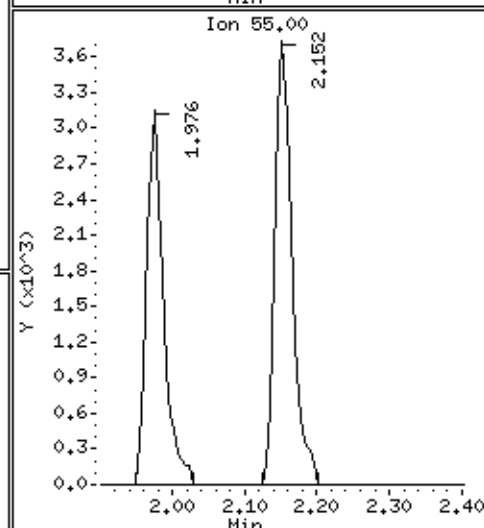
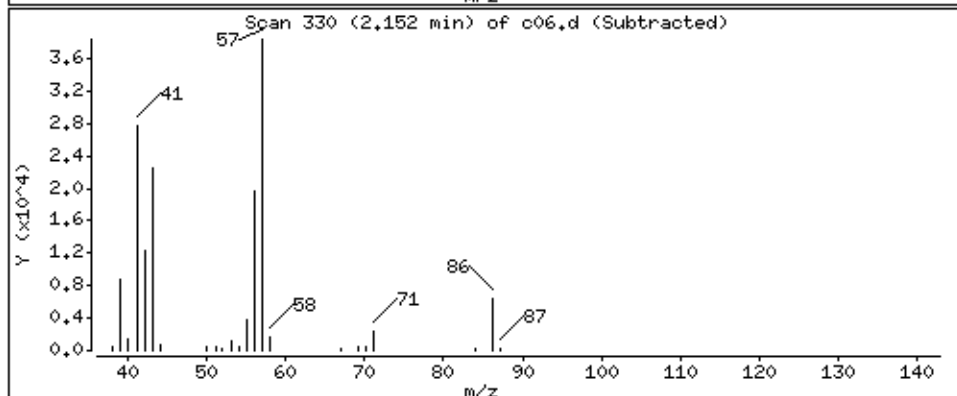
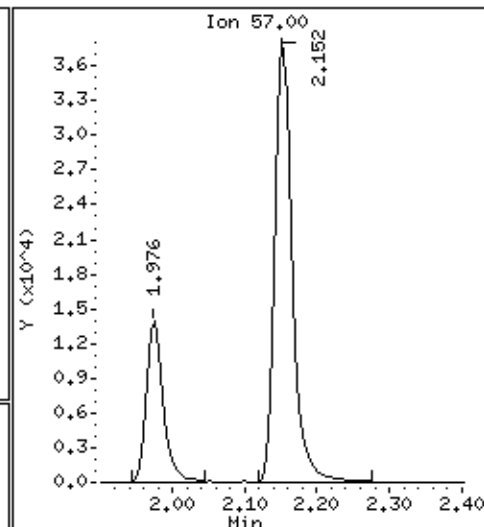
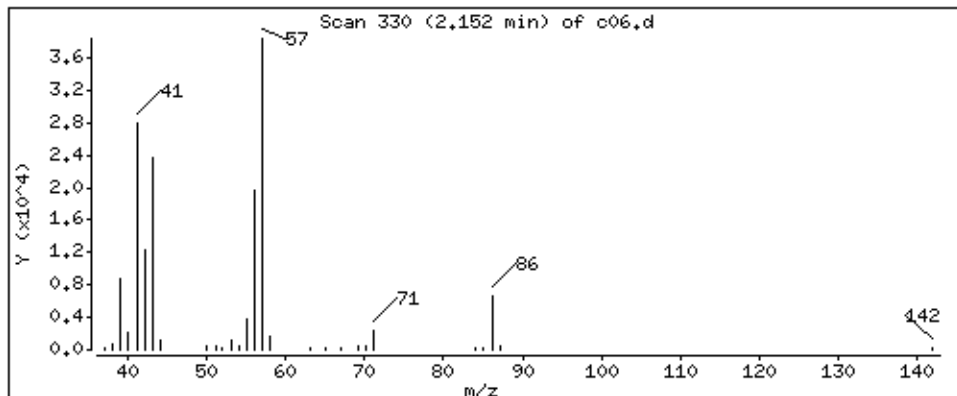
Operator: ala

Column phase: DB-624

Column diameter: 0,18

22 n-Hexane

Concentration: 54,2 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

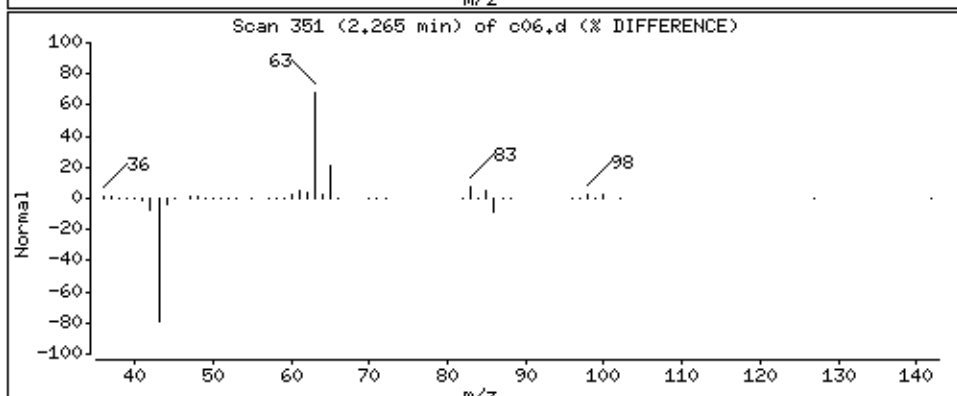
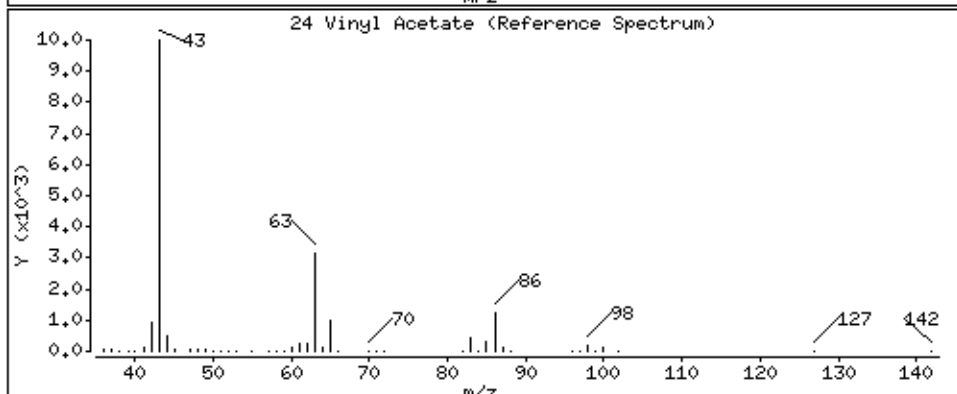
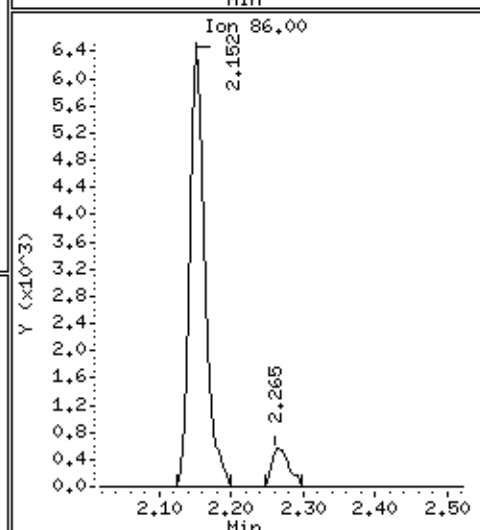
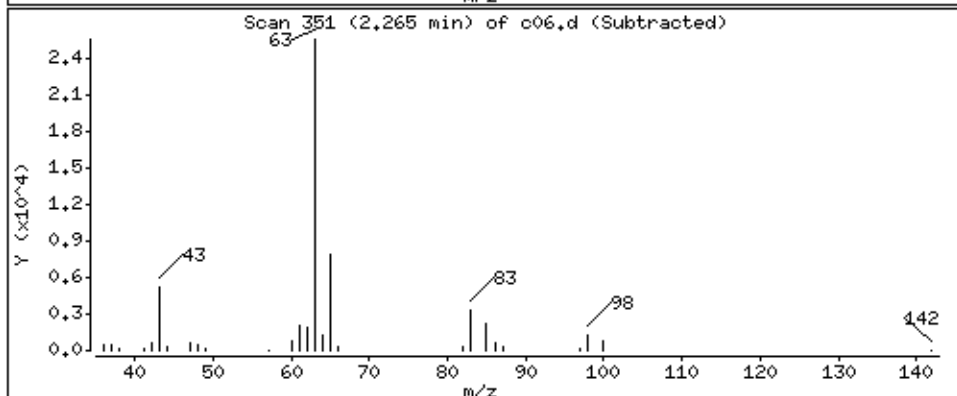
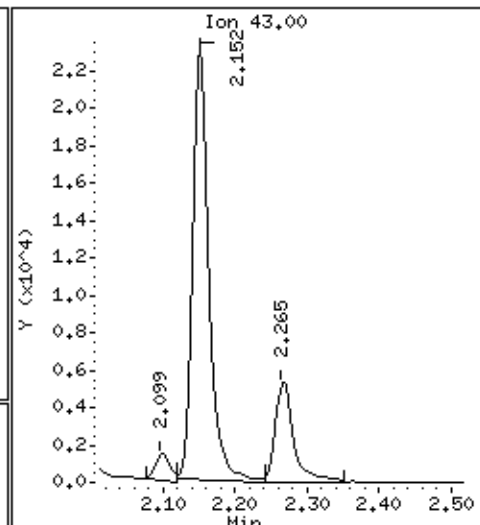
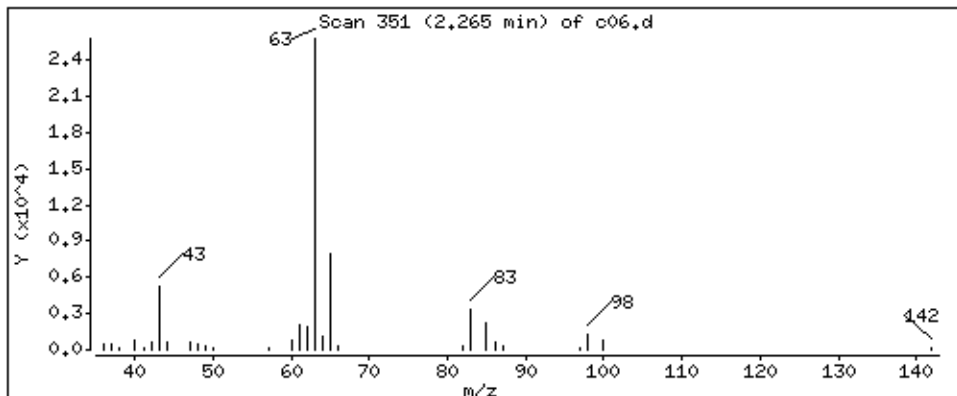
Operator: ala

Column phase: DB-624

Column diameter: 0,18

24 Vinyl Acetate

Concentration: 8,99 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

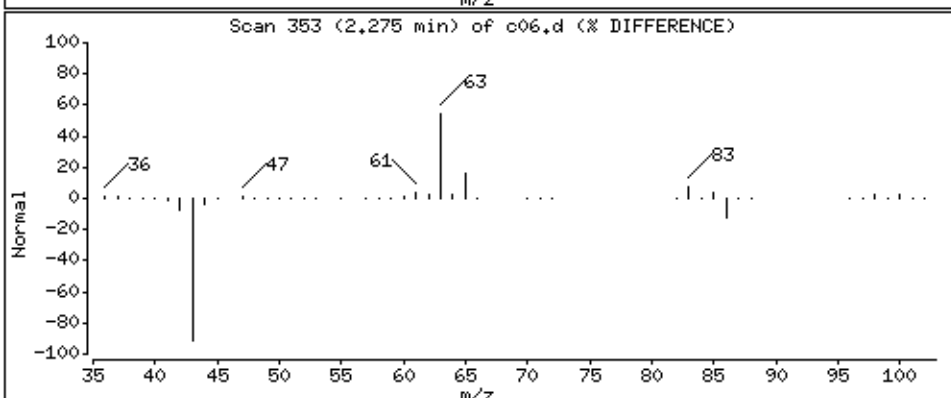
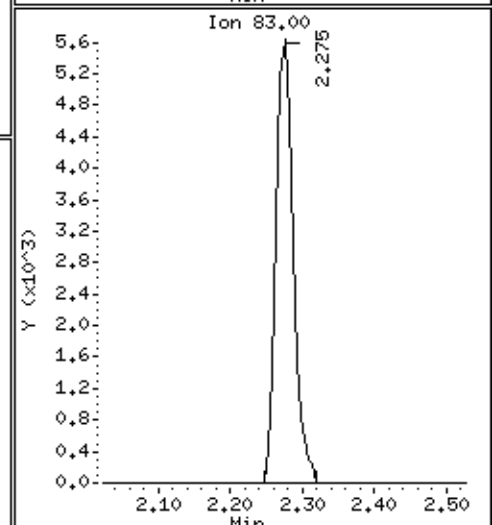
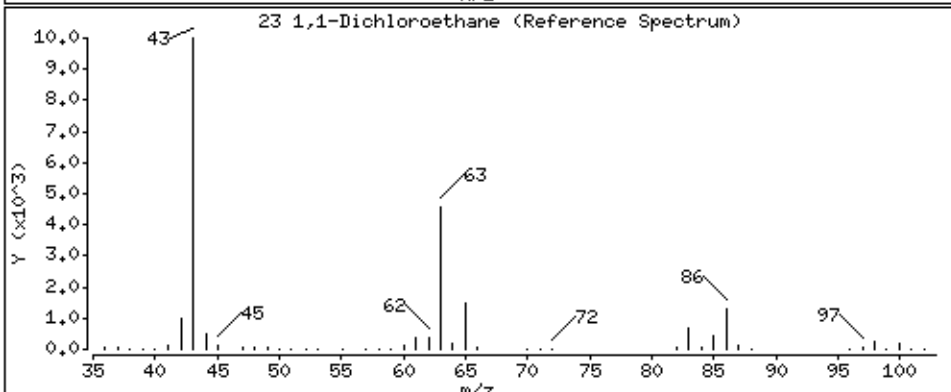
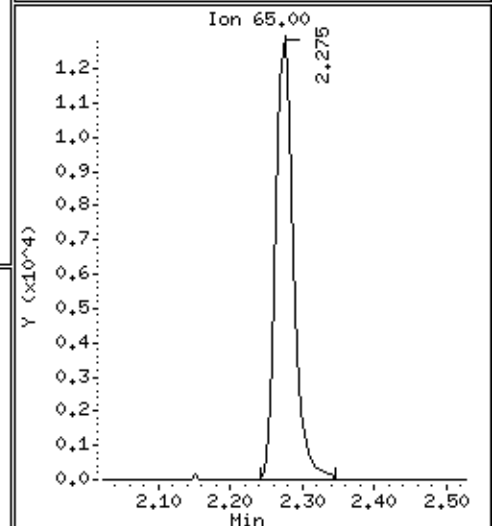
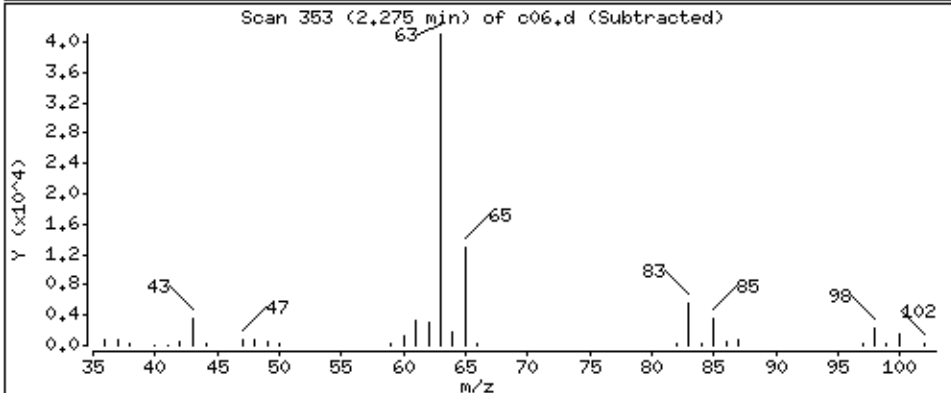
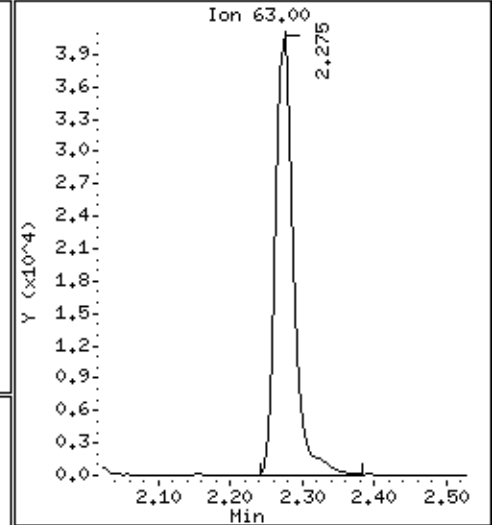
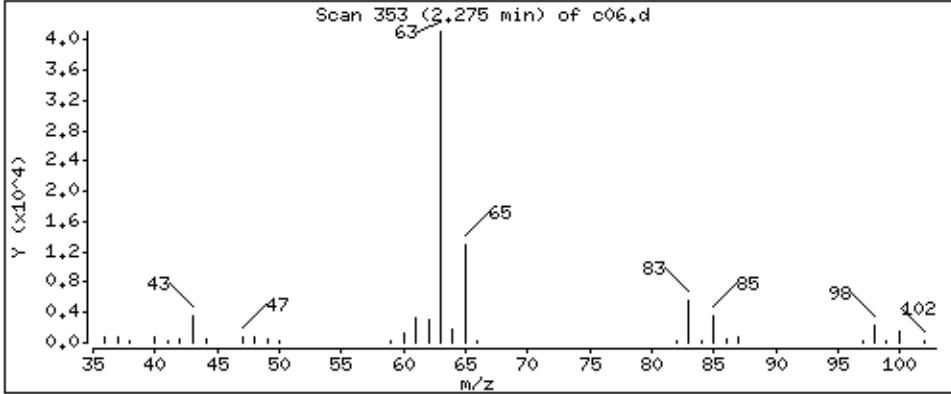
Operator: ala

Column phase: DB-624

Column diameter: 0,18

23 1,1-Dichloroethane

Concentration: 55,7 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

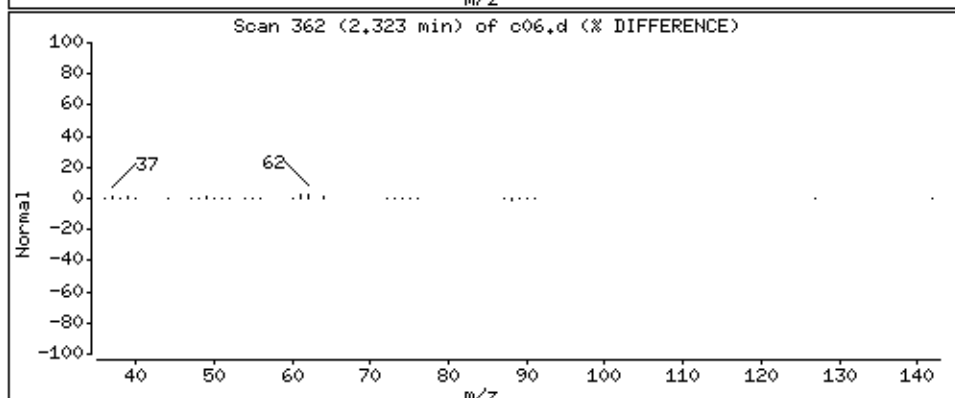
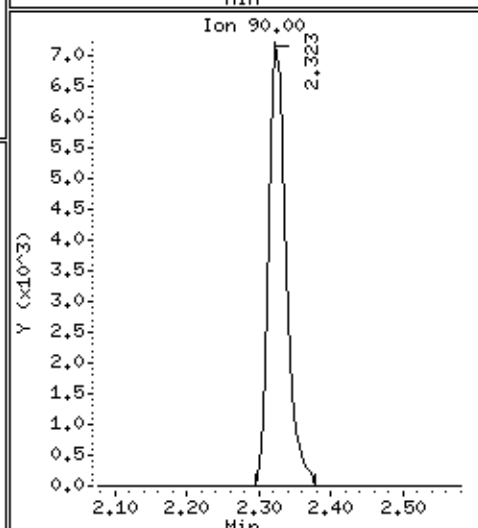
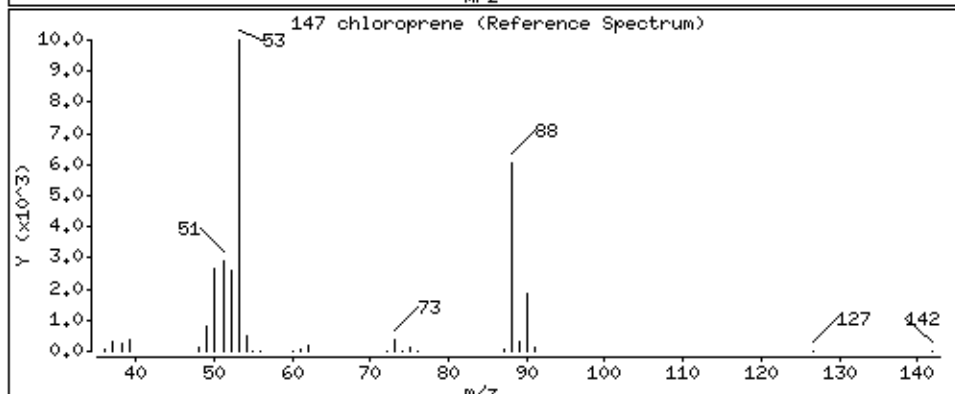
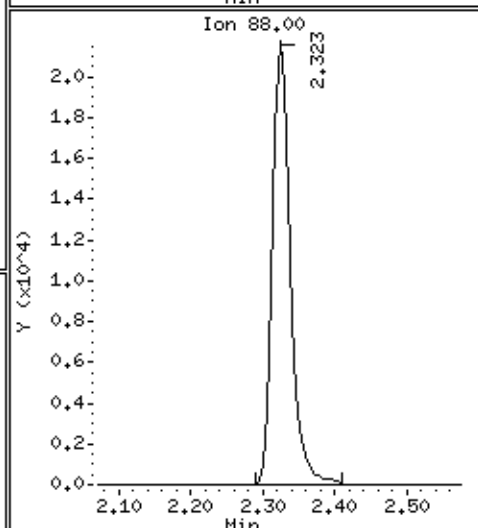
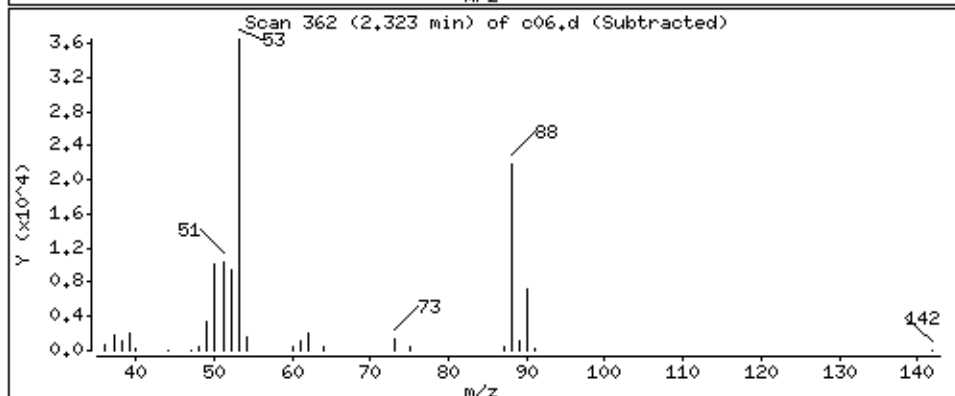
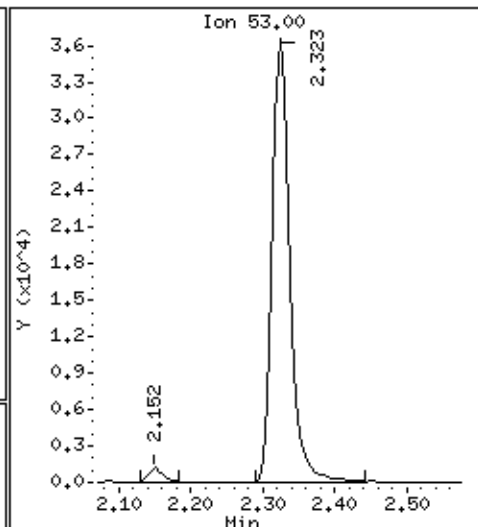
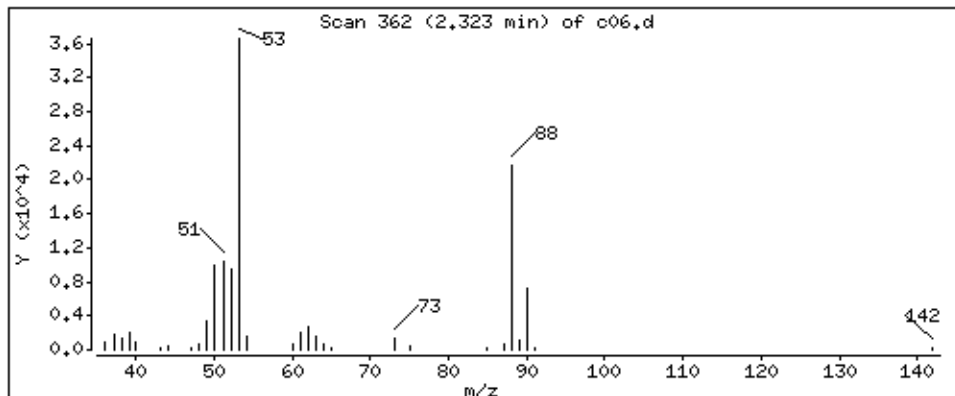
Operator: ala

Column phase: DB-624

Column diameter: 0,18

147 chloroprene

Concentration: 63,9 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

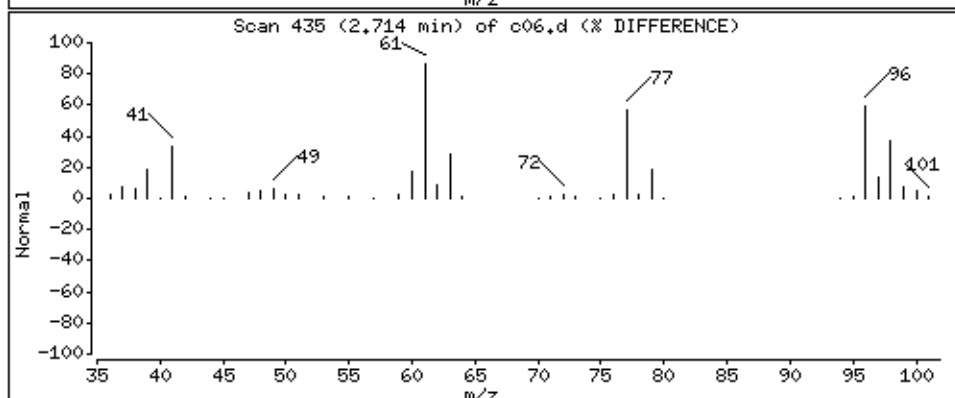
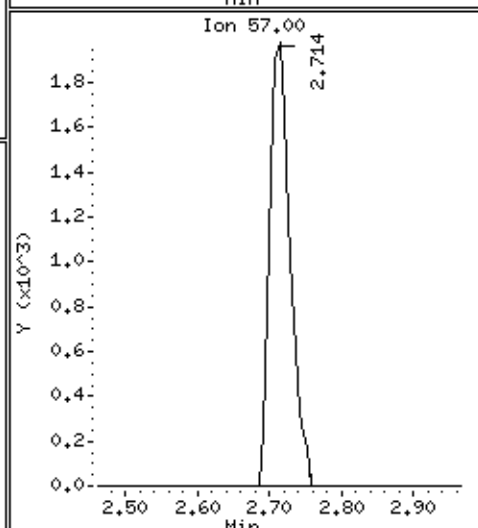
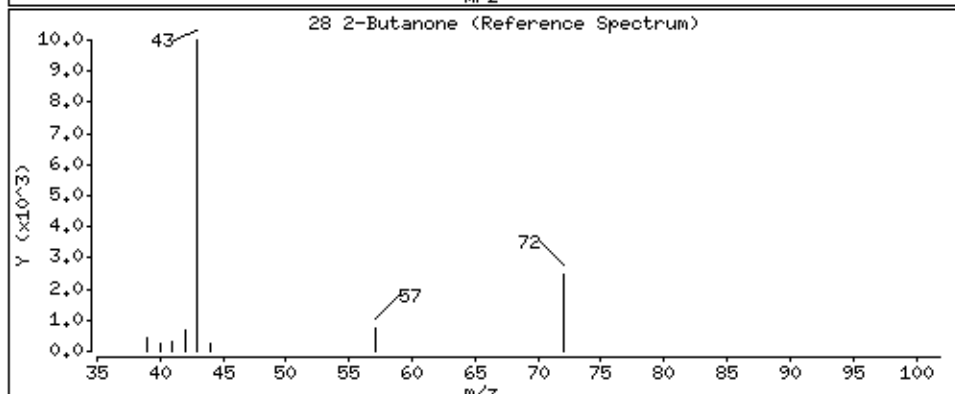
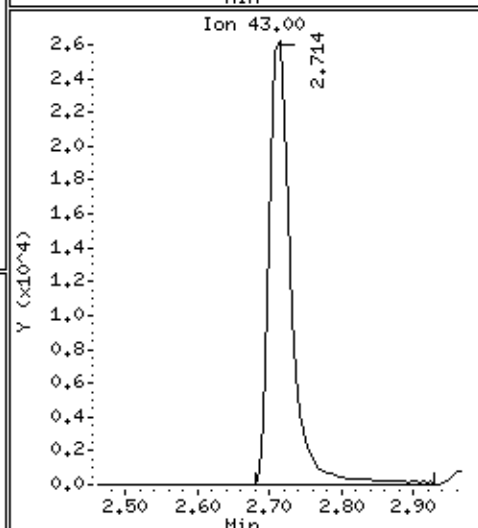
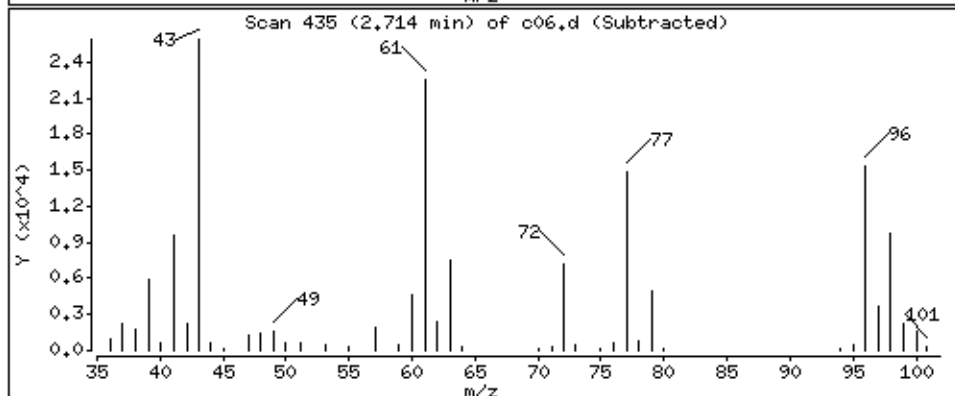
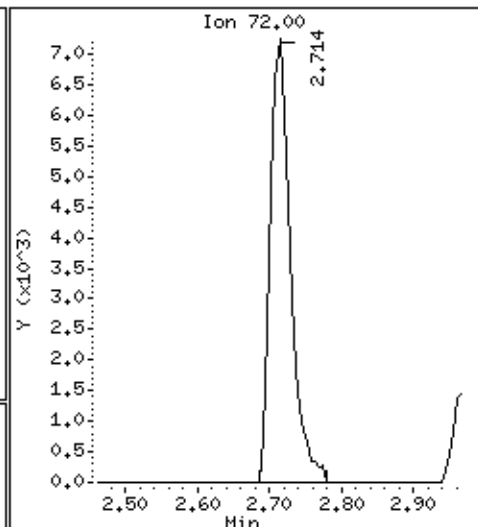
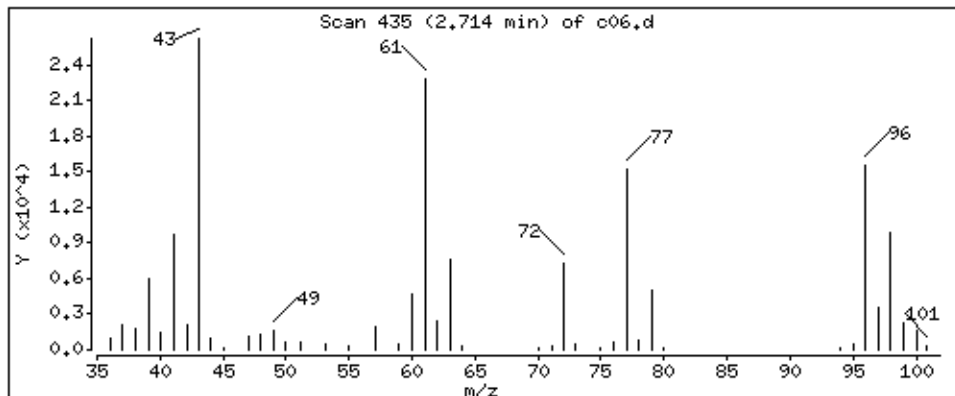
Operator: ala

Column phase: DB-624

Column diameter: 0,18

28 2-Butanone

Concentration: 192 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

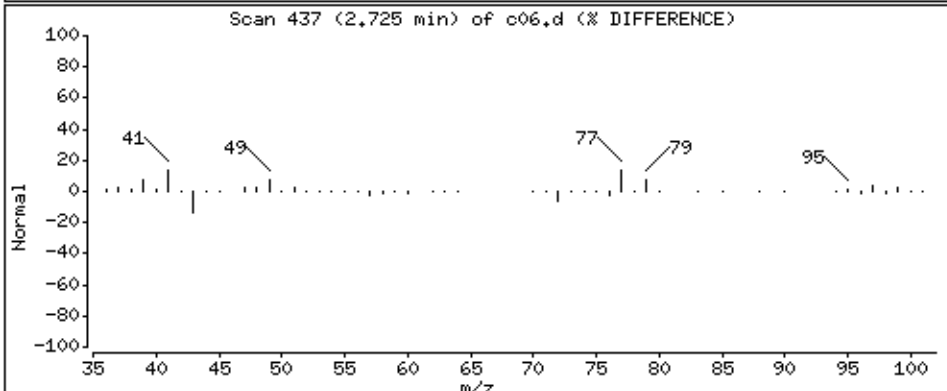
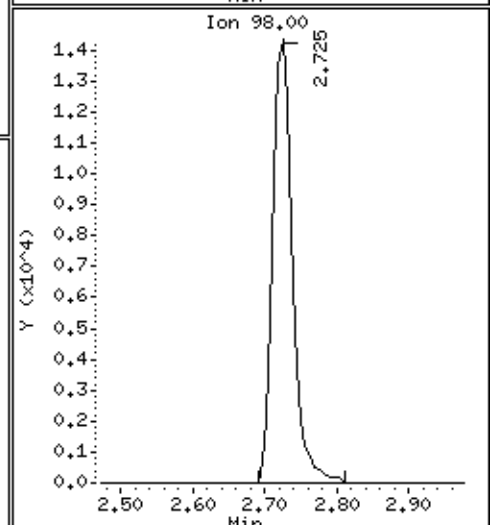
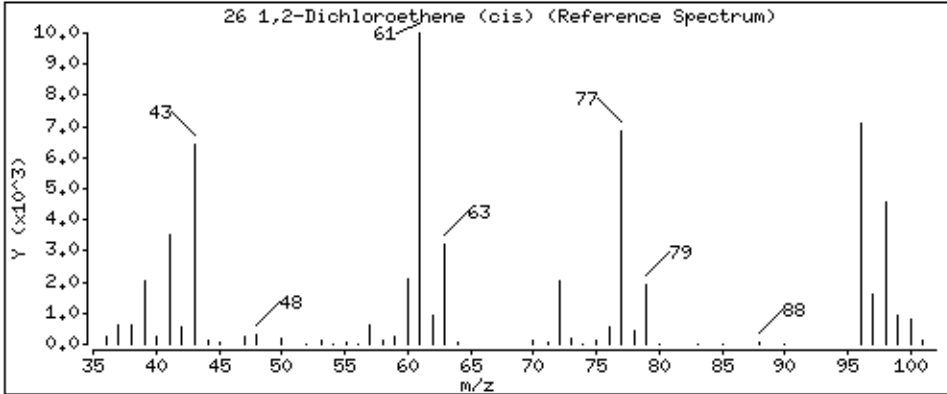
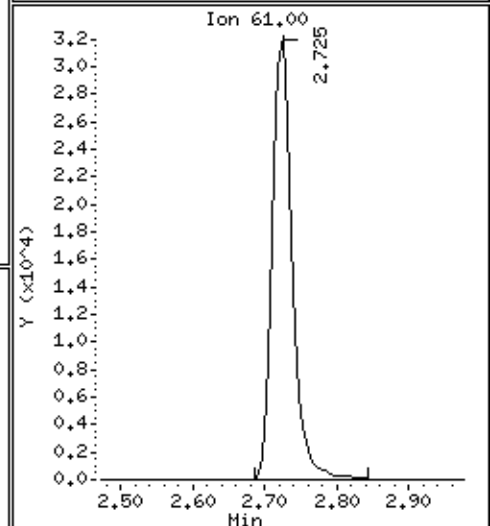
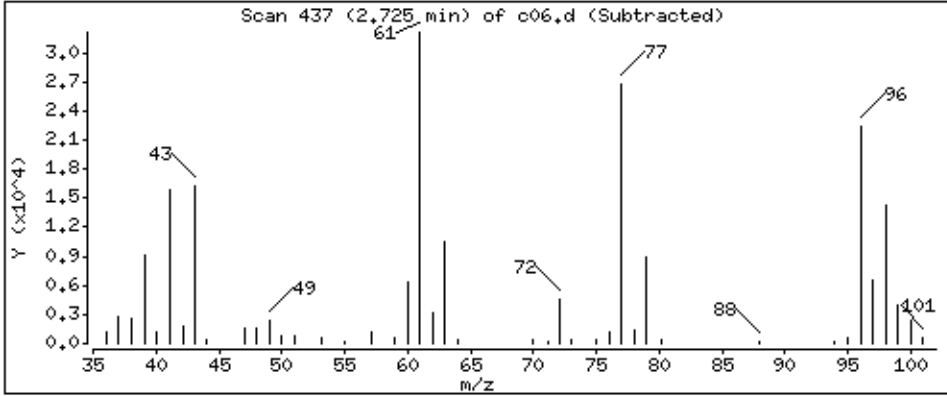
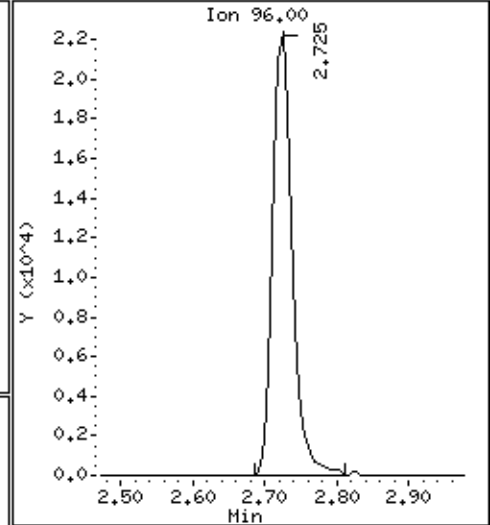
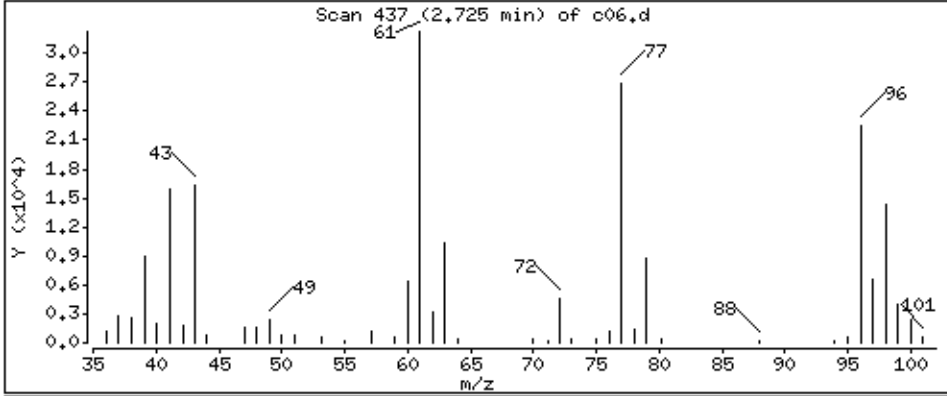
Operator: ala

Column phase: DB-624

Column diameter: 0,18

26 1,2-Dichloroethene (cis)

Concentration: 59,4 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

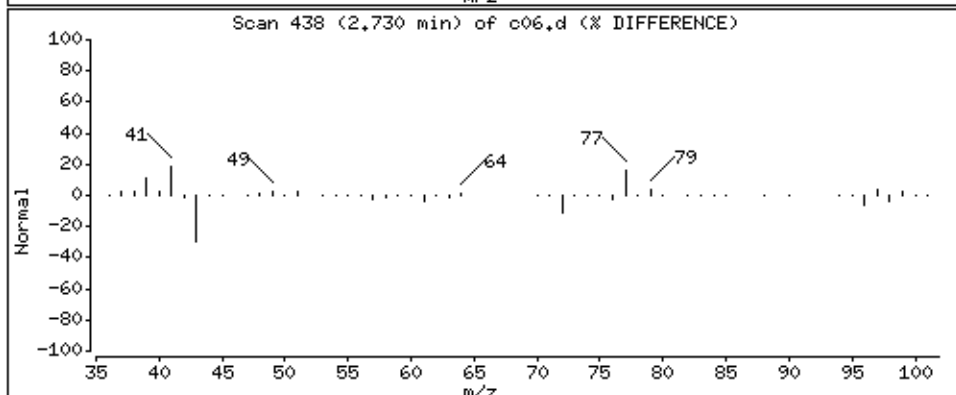
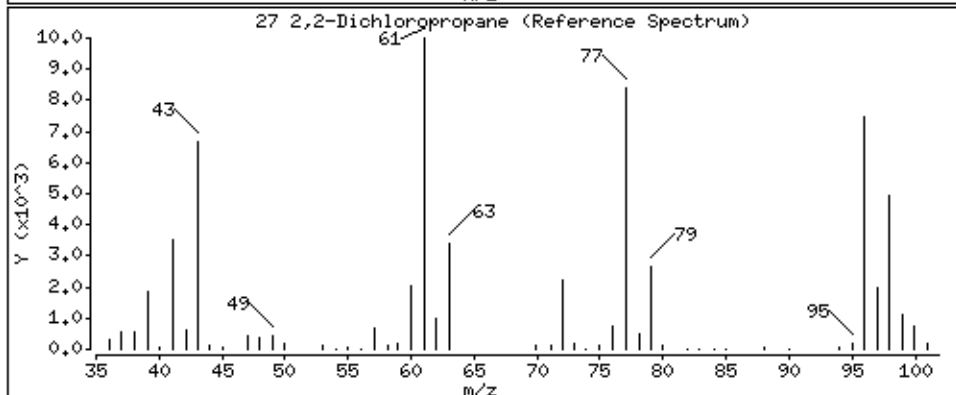
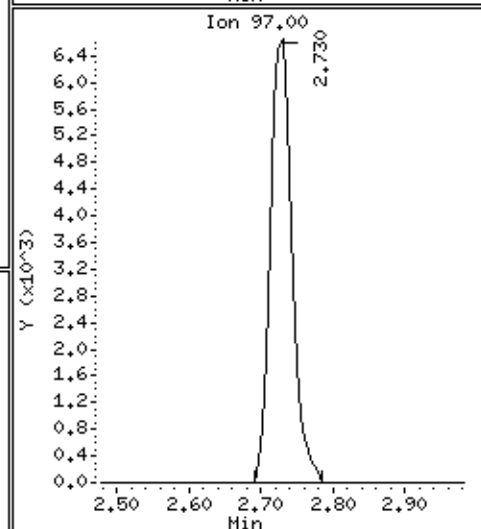
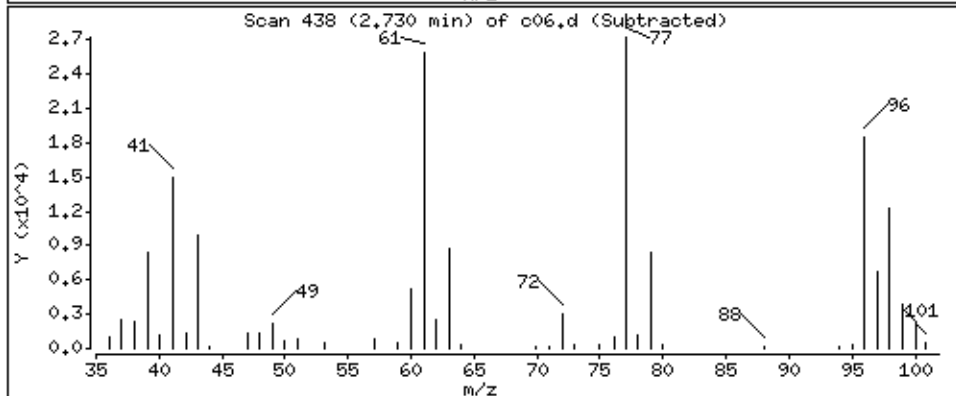
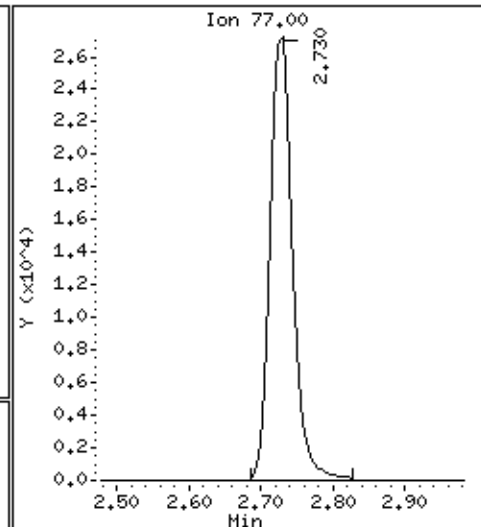
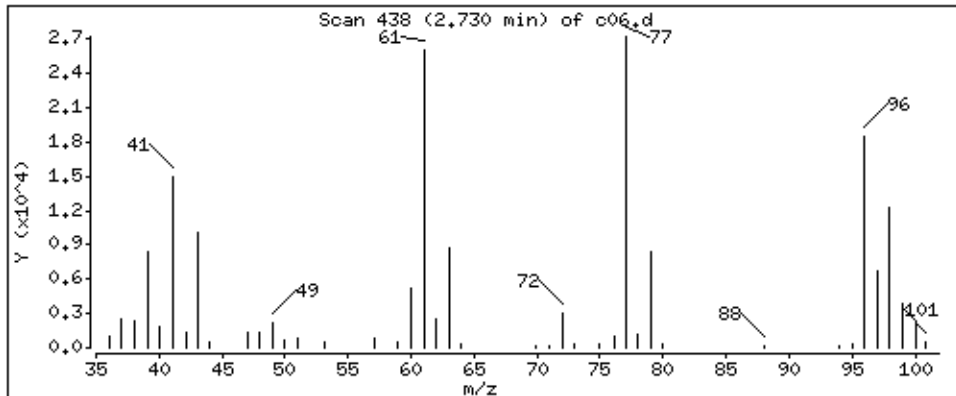
Operator: ala

Column phase: DB-624

Column diameter: 0,18

27 2,2-Dichloropropane

Concentration: 62,5 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

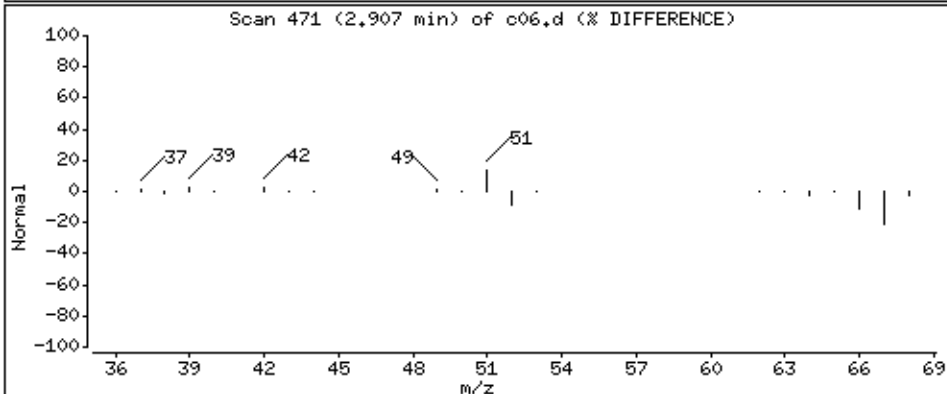
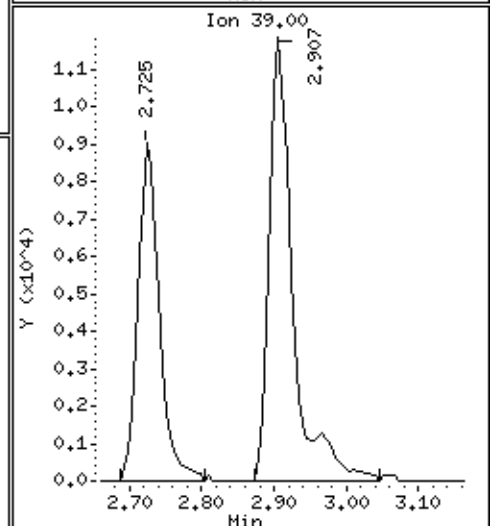
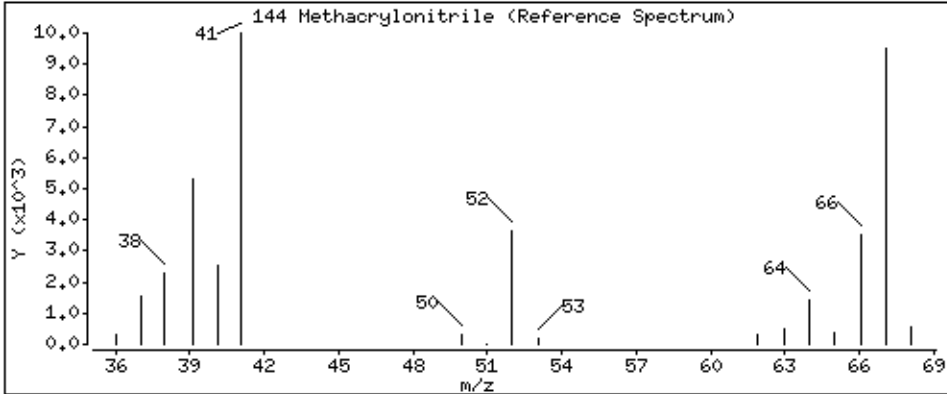
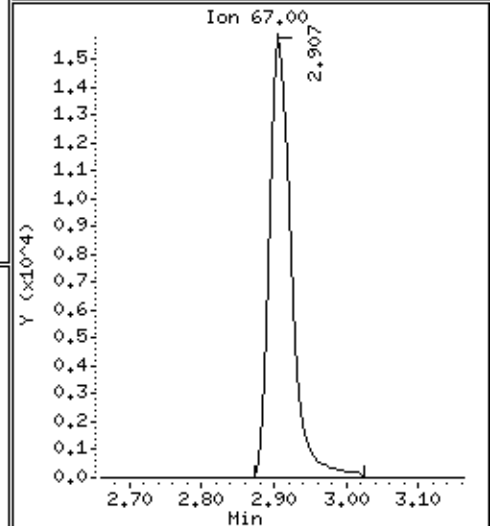
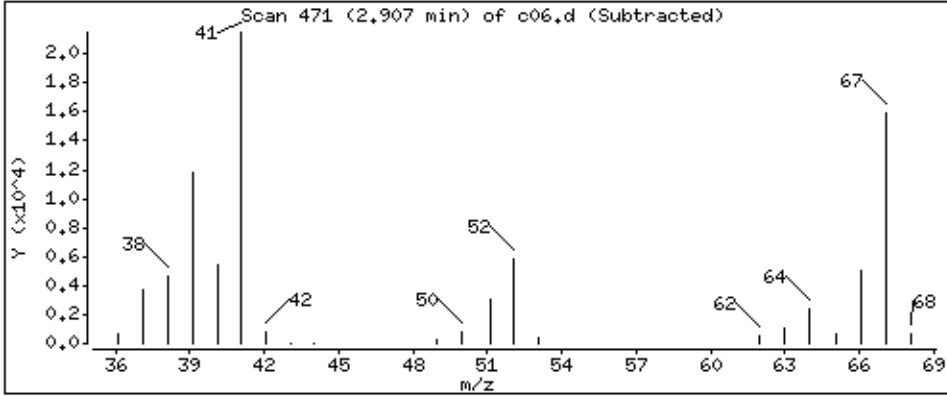
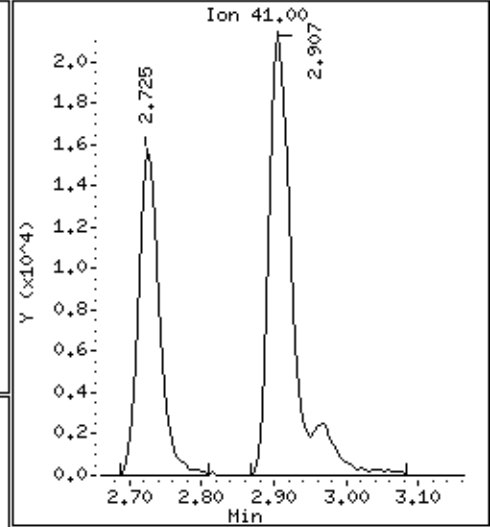
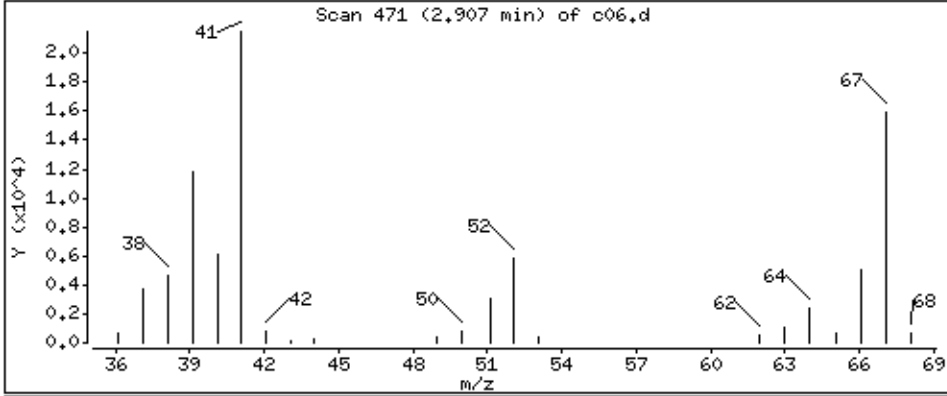
Operator: ala

Column phase: DB-624

Column diameter: 0,18

144 Methacrylonitrile

Concentration: 197 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730;5

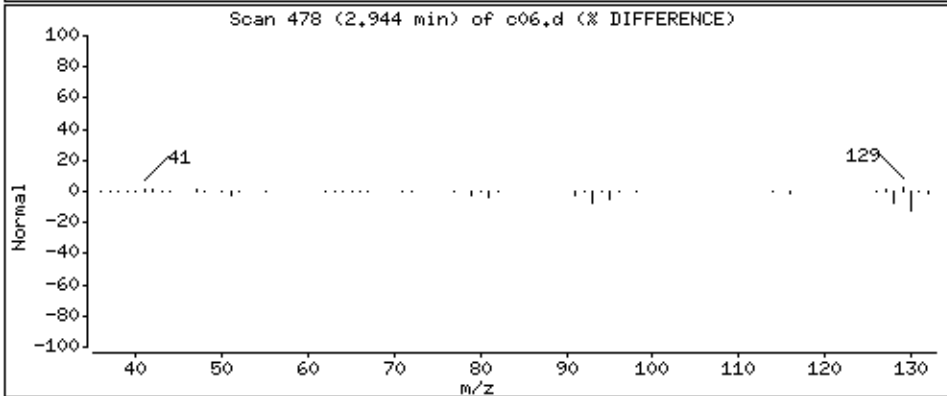
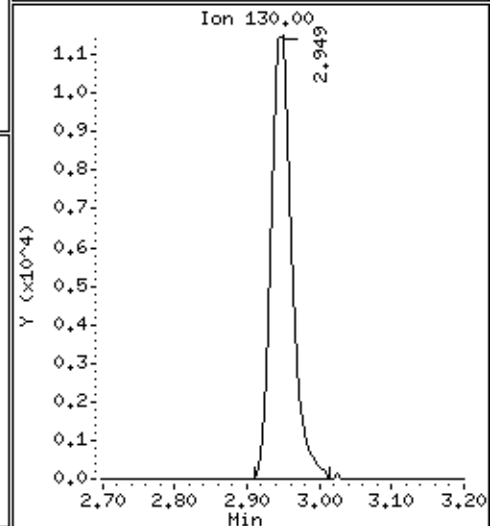
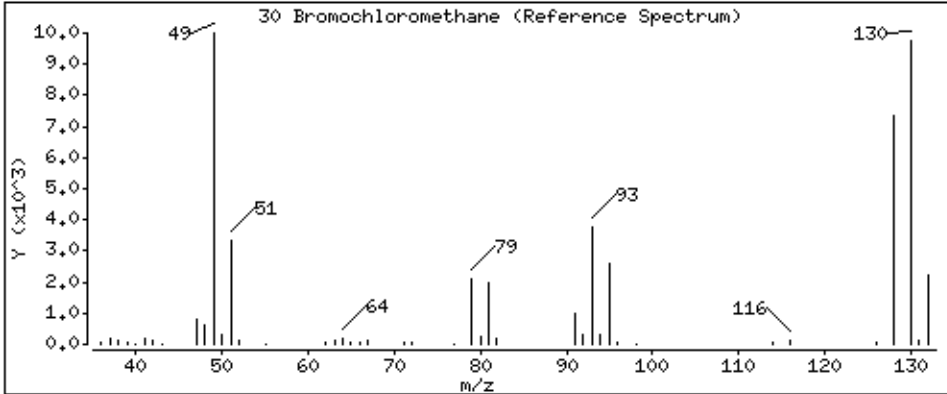
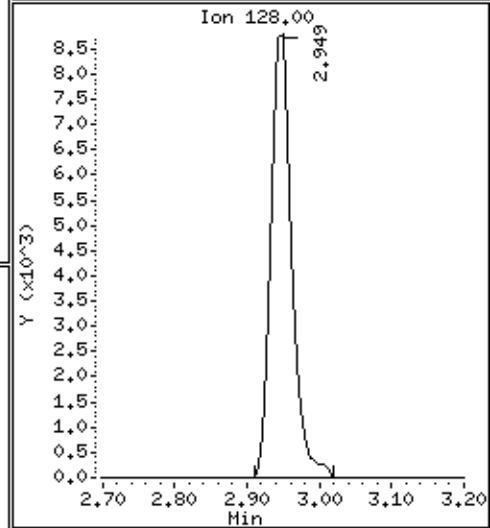
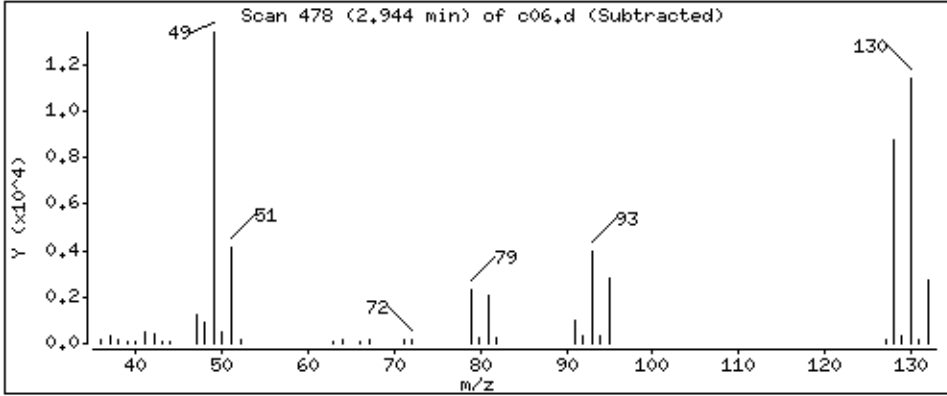
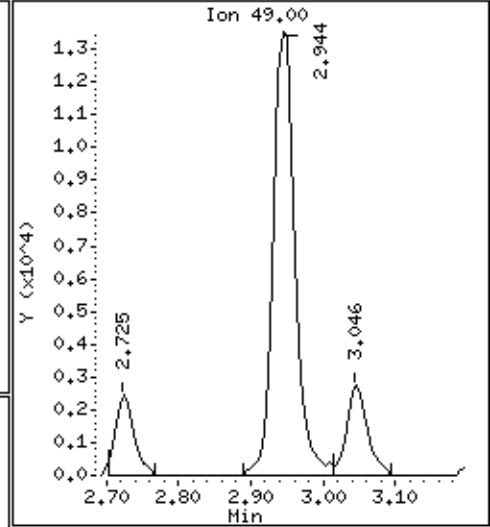
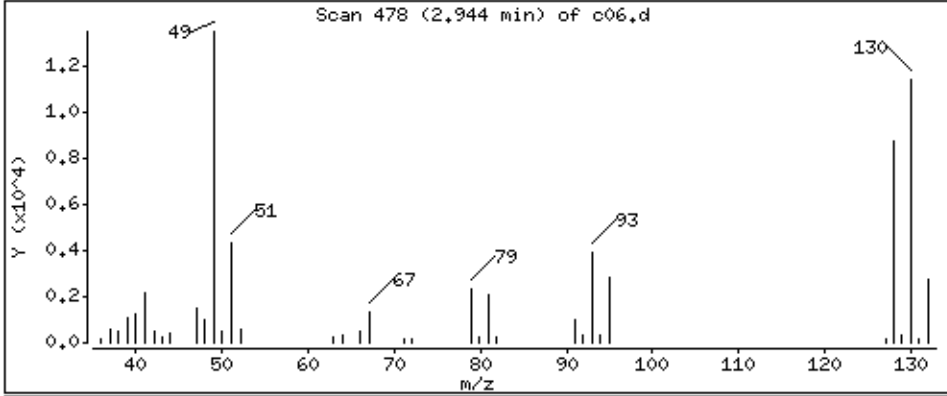
Operator: ala

Column phase: DB-624

Column diameter: 0,18

30 Bromochloromethane

Concentration: 57,5 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

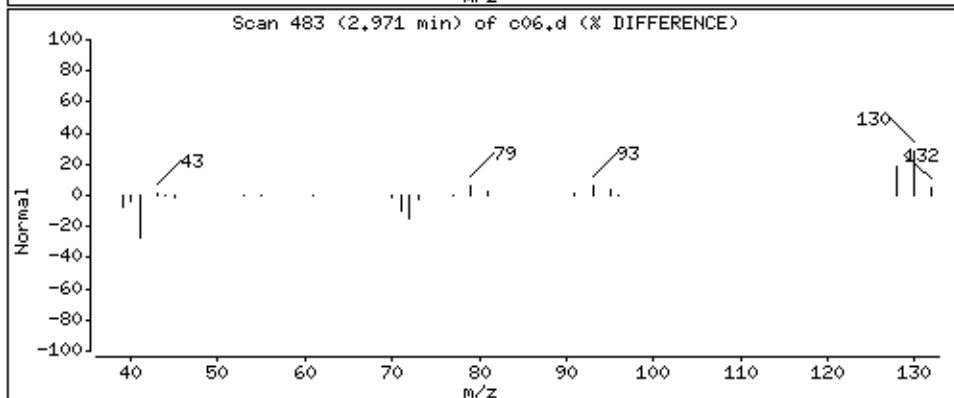
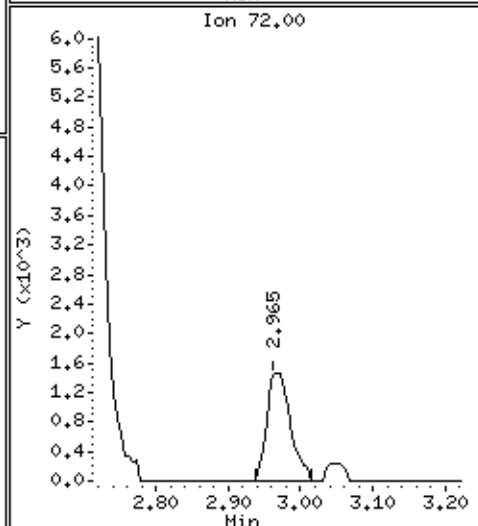
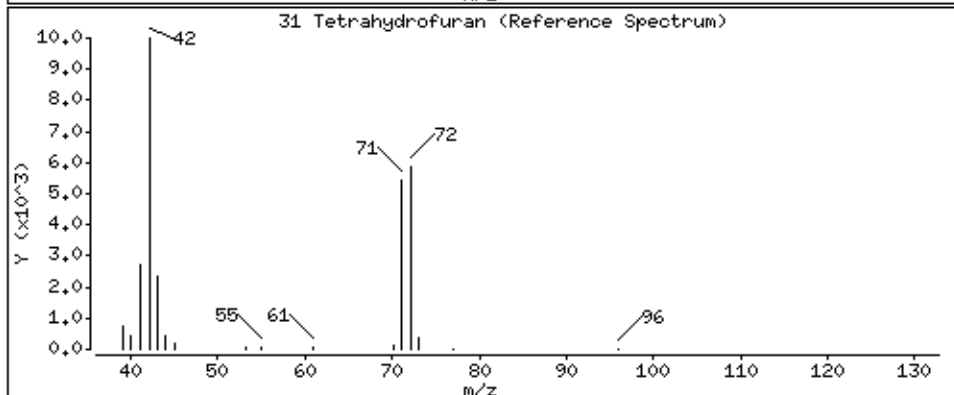
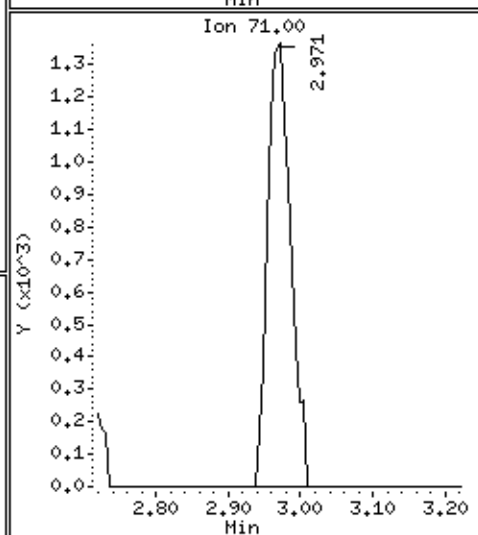
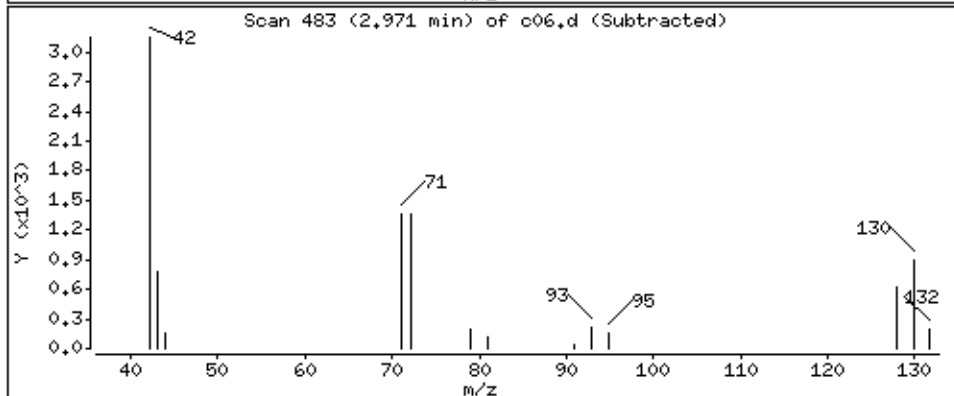
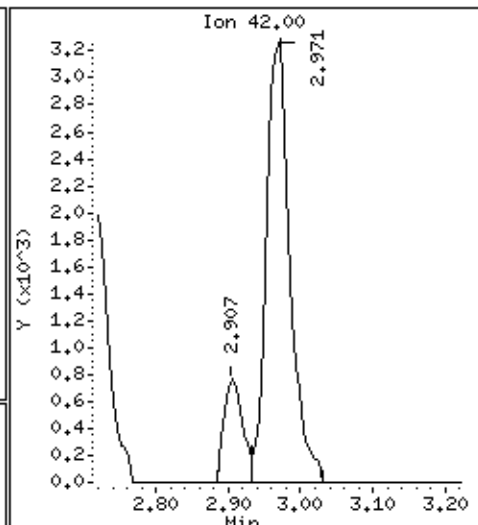
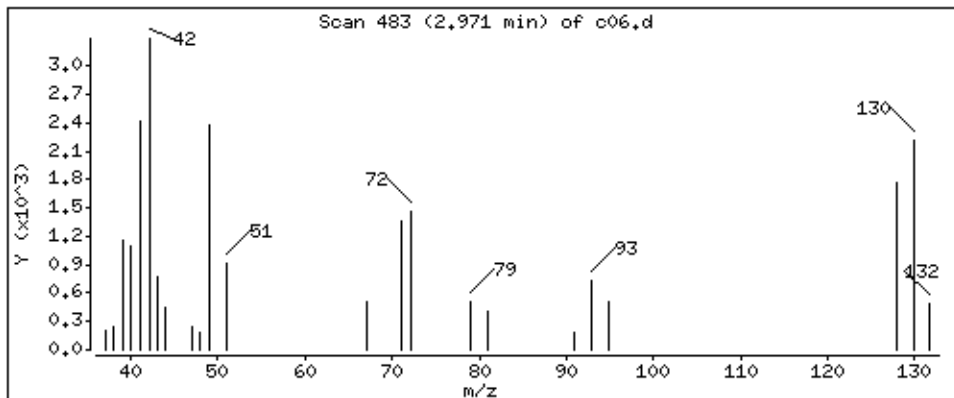
Operator: ala

Column phase: DB-624

Column diameter: 0,18

31 Tetrahydrofuran

Concentration: 45,3 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)HSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

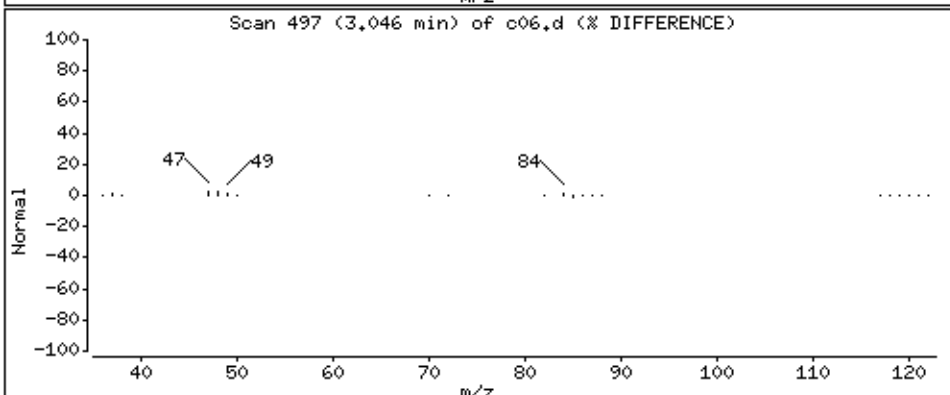
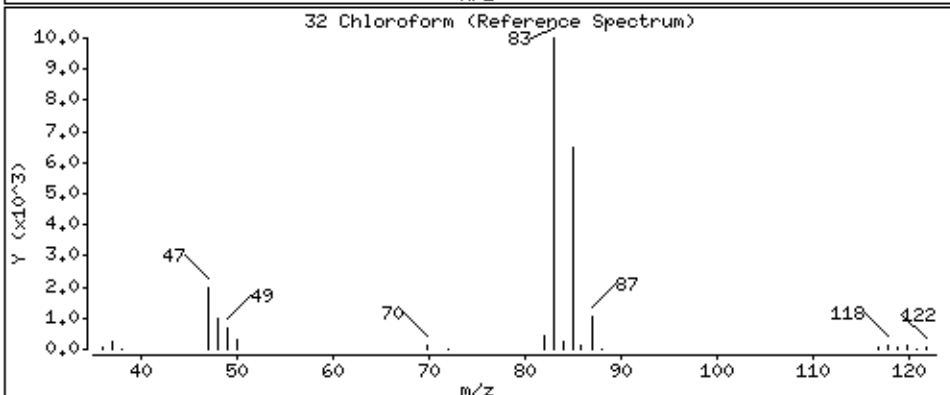
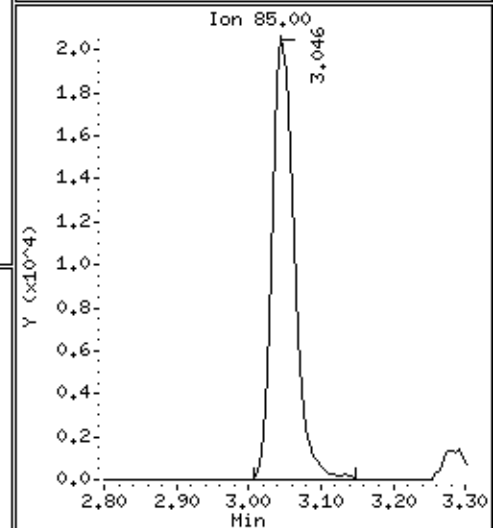
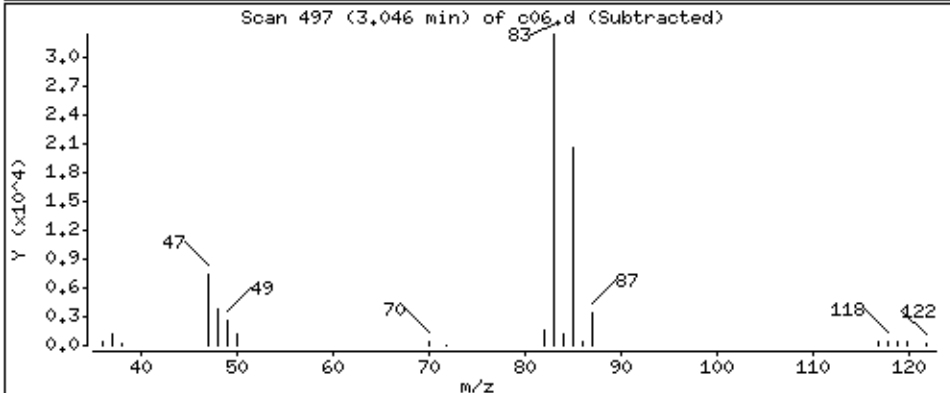
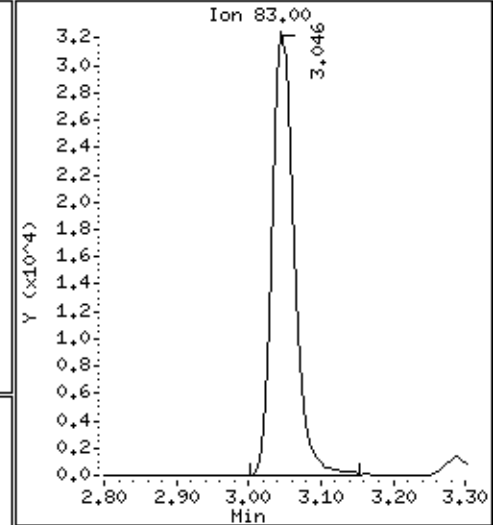
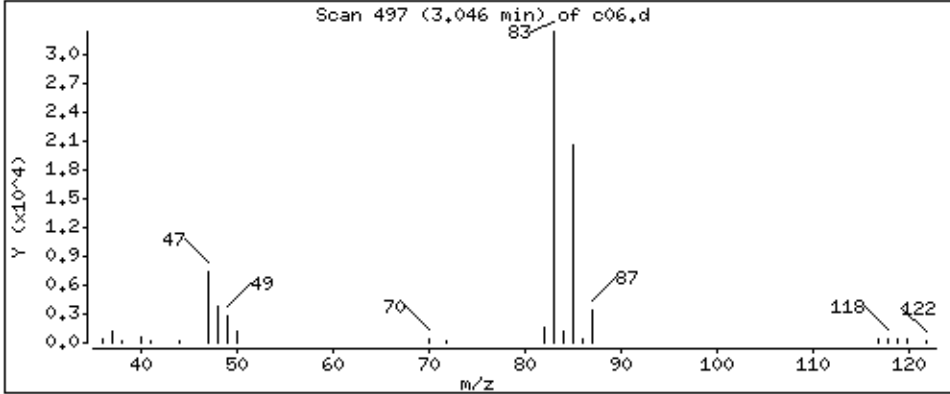
Operator: ala

Column phase: DB-624

Column diameter: 0,18

32 Chloroform

Concentration: 55,2 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

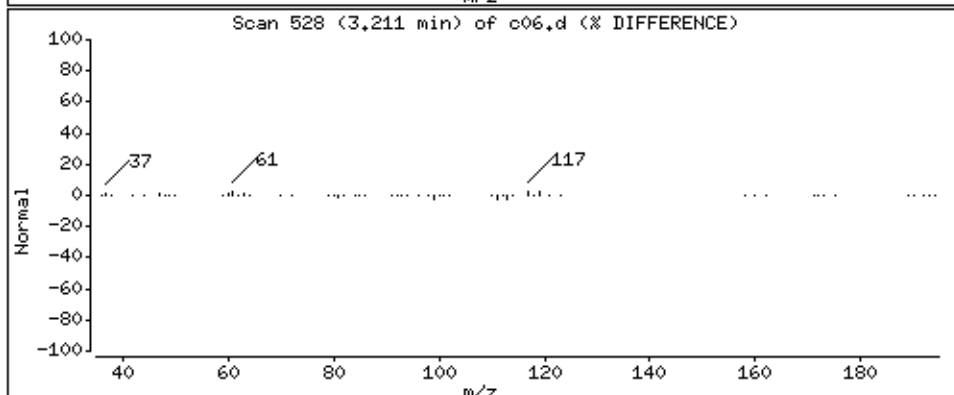
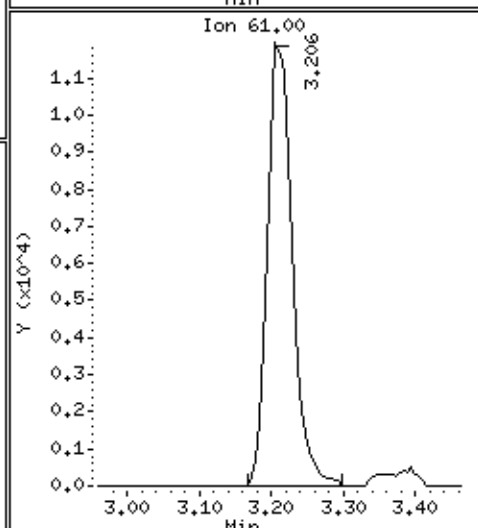
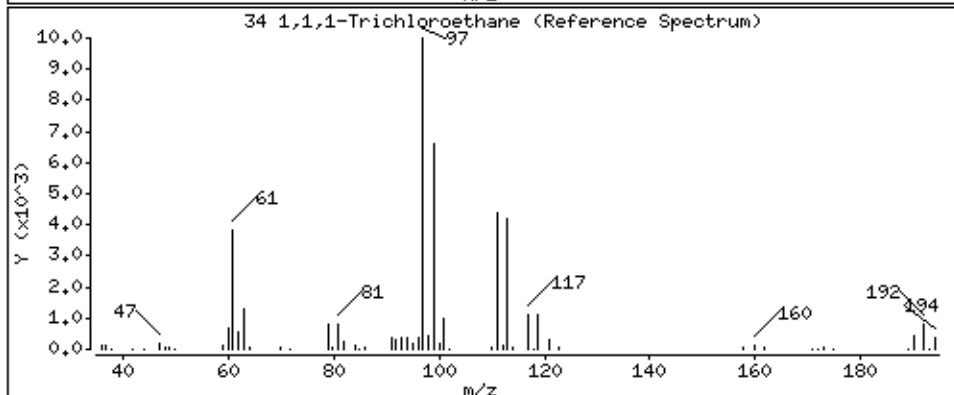
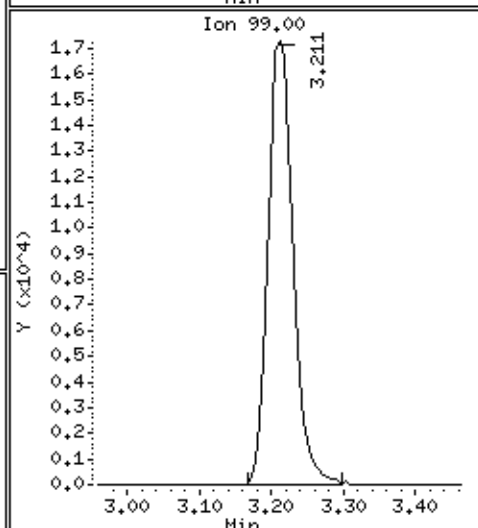
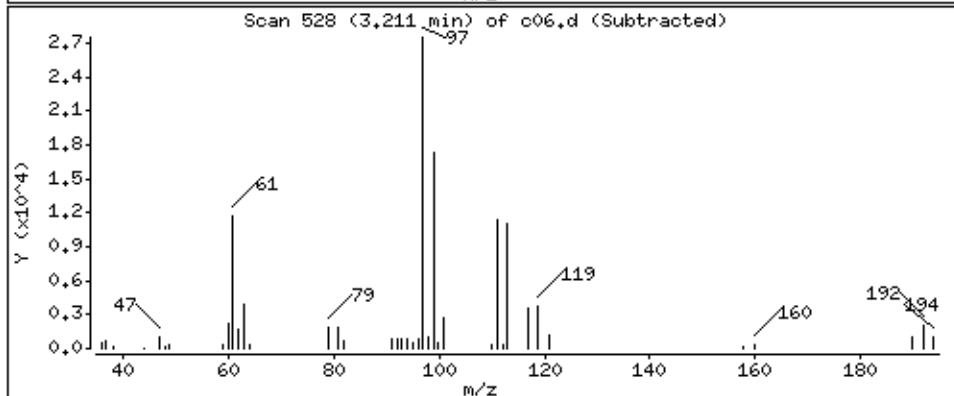
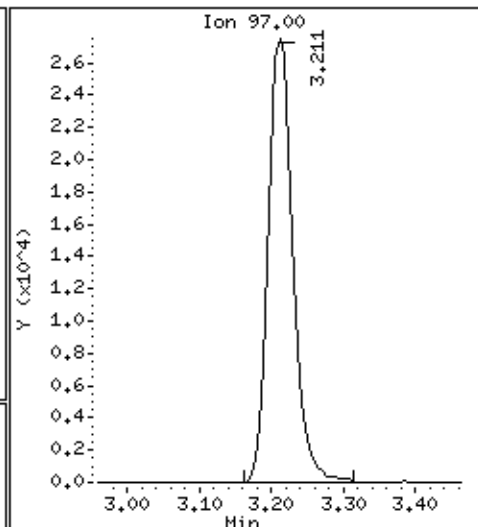
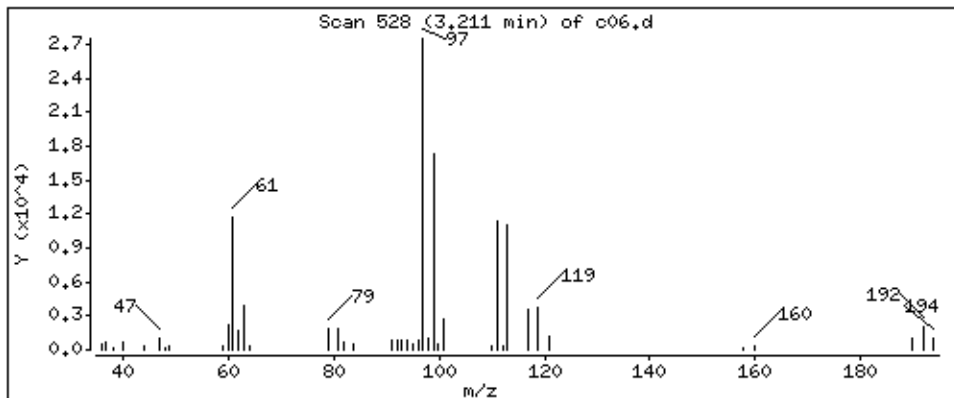
Operator: ala

Column phase: DB-624

Column diameter: 0,18

34 1,1,1-Trichloroethane

Concentration: 64,5 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

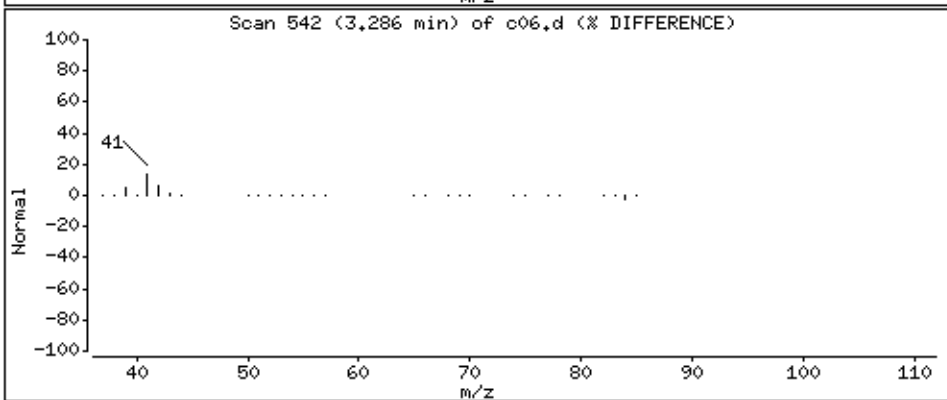
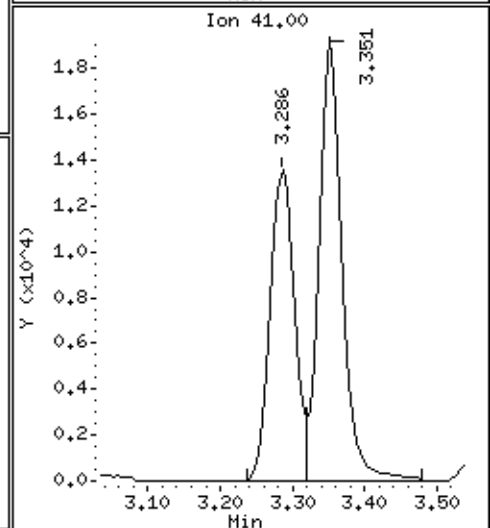
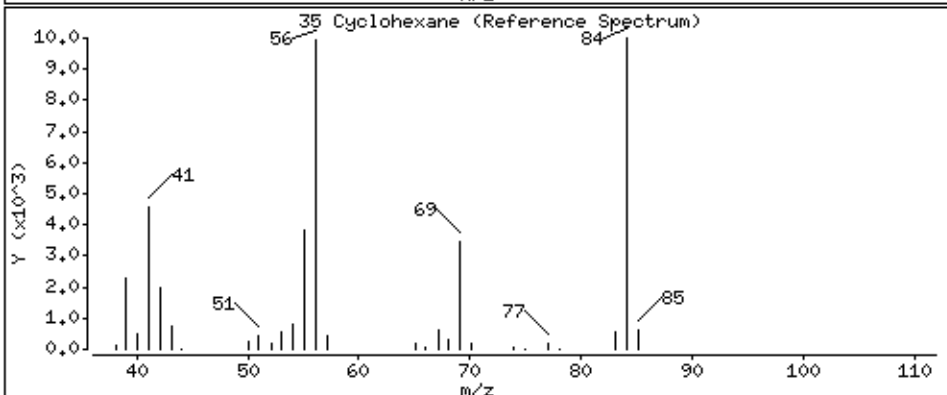
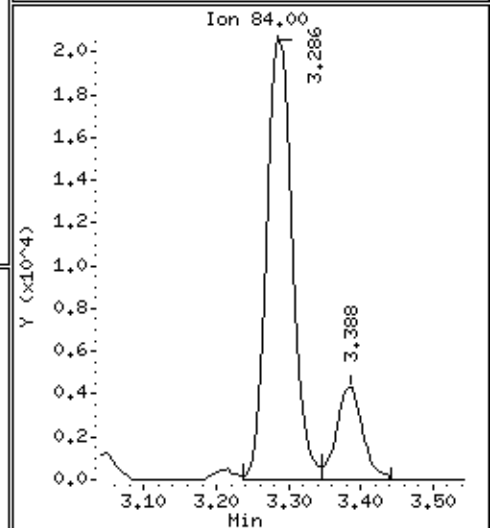
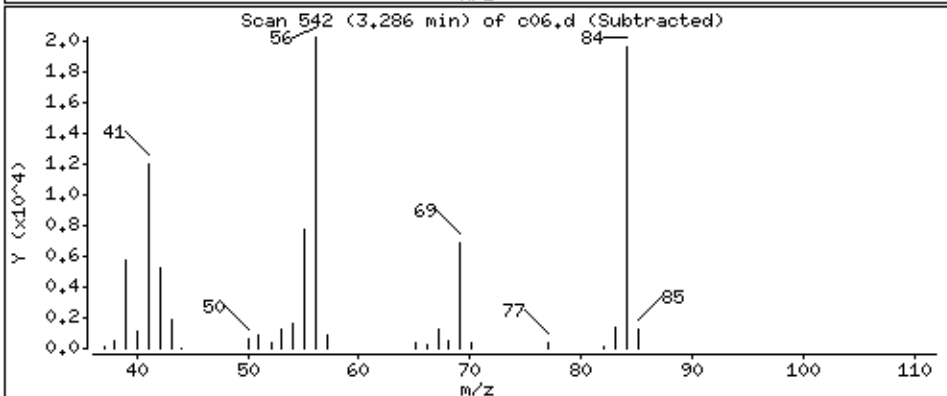
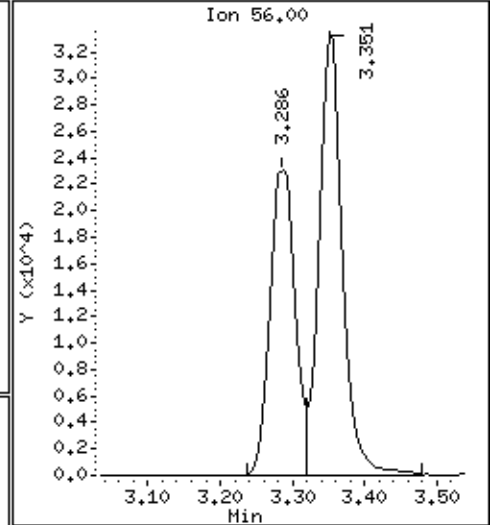
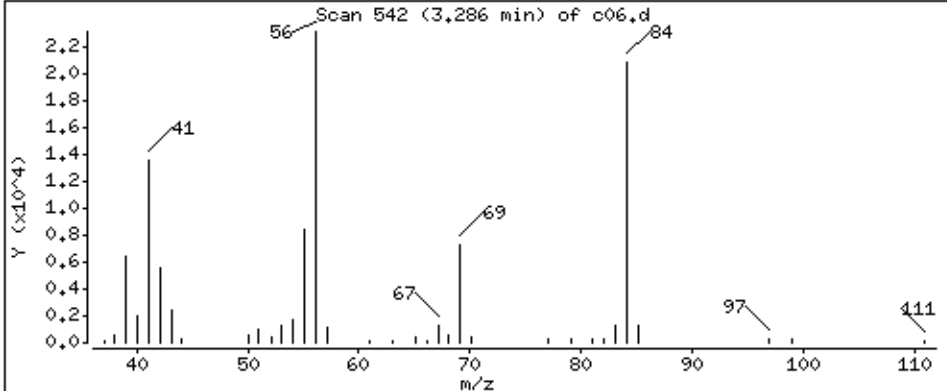
Operator: ala

Column phase: DB-624

Column diameter: 0,18

35 Cyclohexane

Concentration: 54,3 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

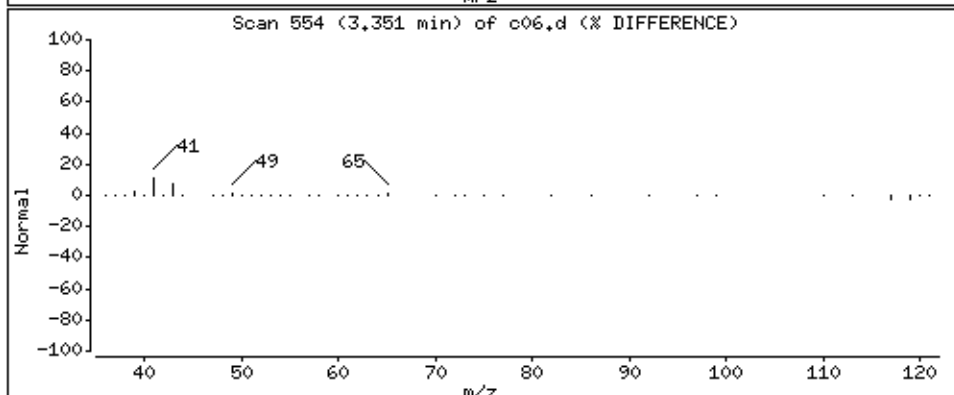
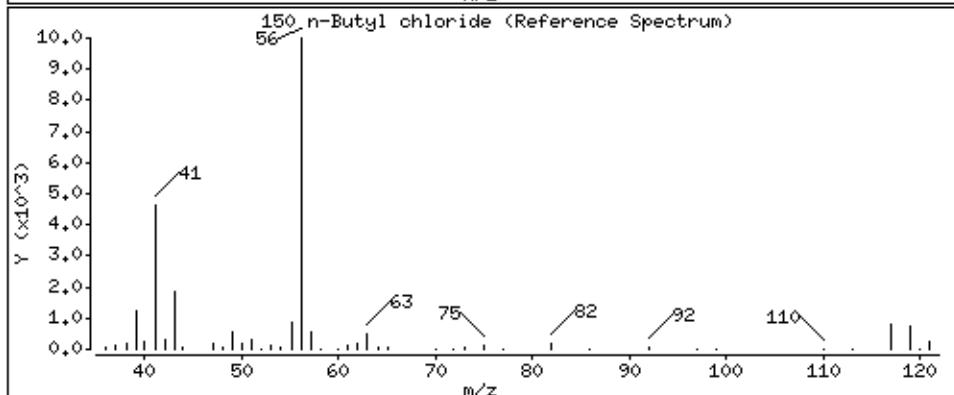
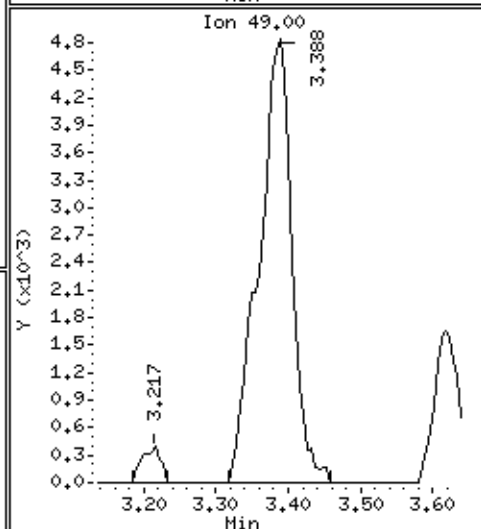
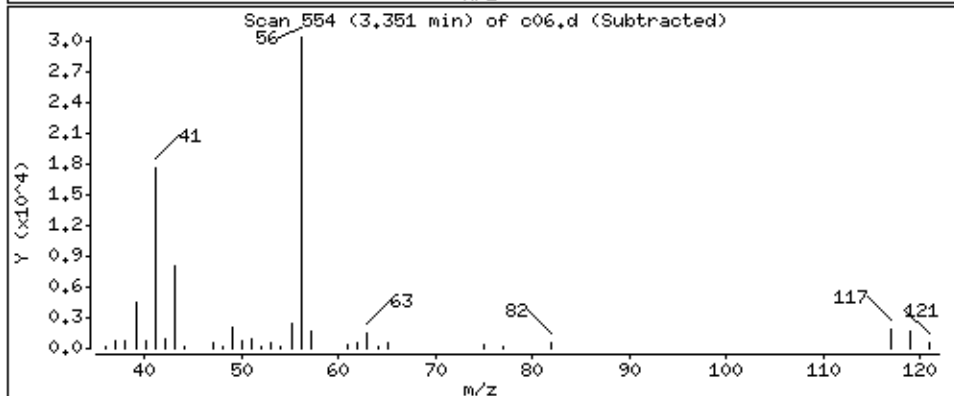
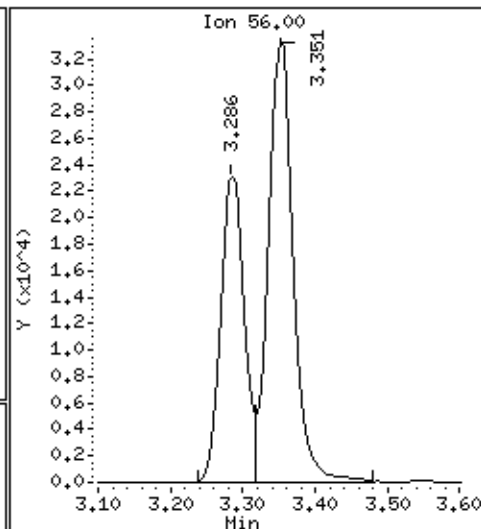
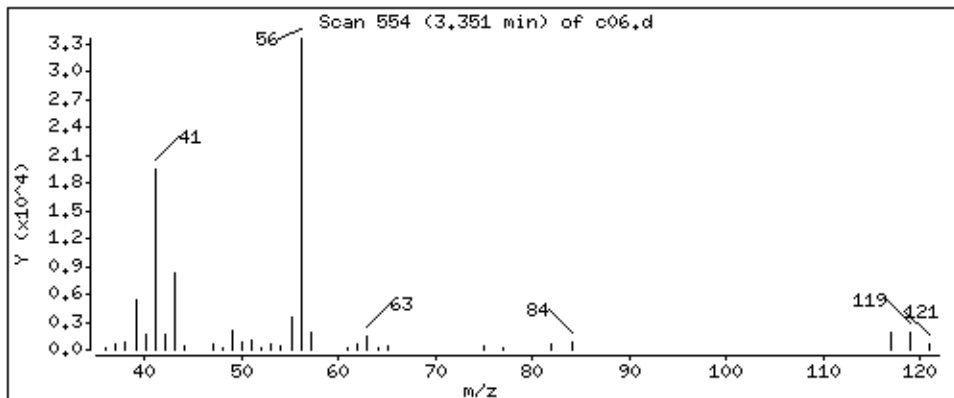
Operator: ala

Column phase: DB-624

Column diameter: 0,18

150 n-Butyl chloride

Concentration: 65,9 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

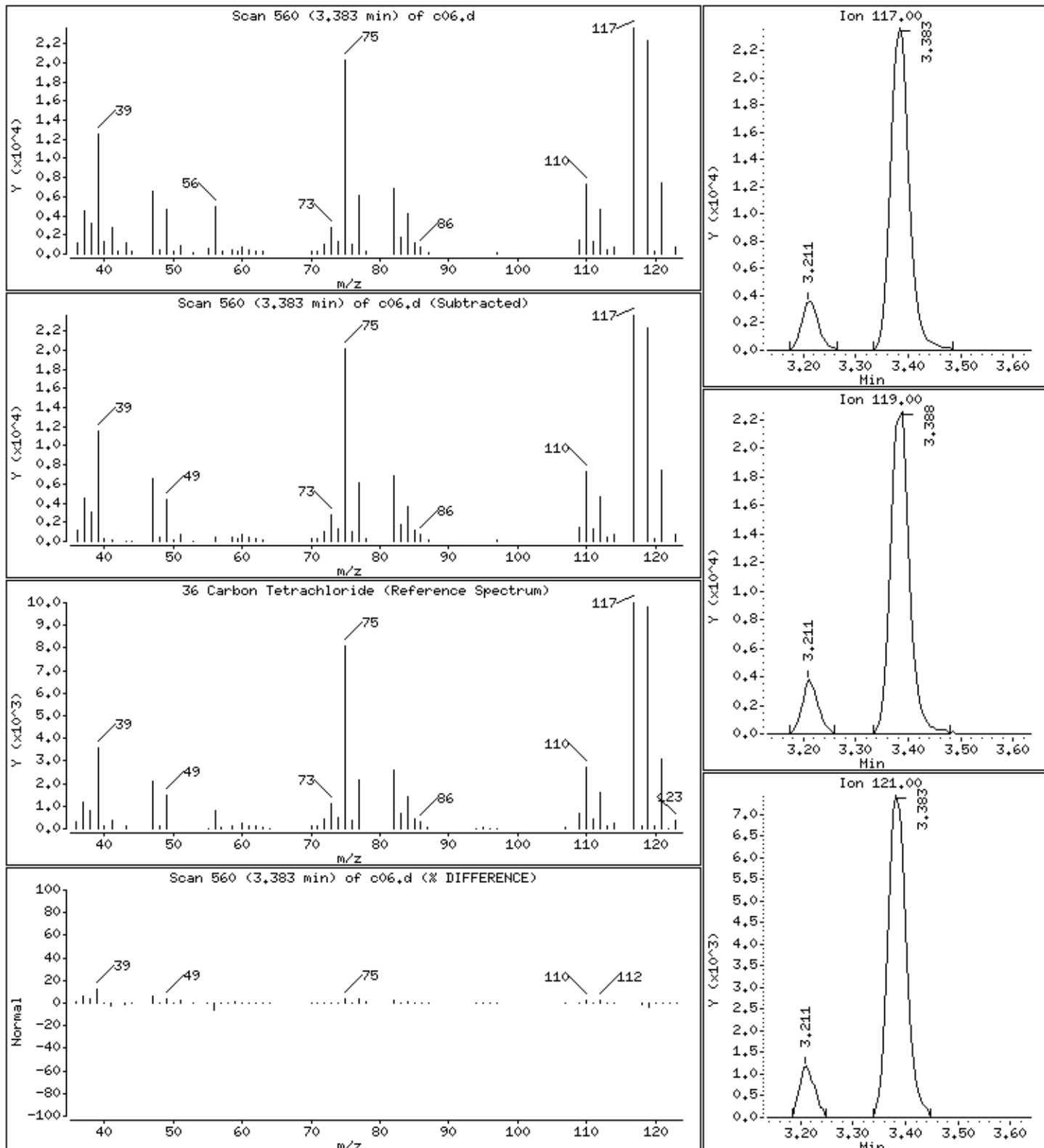
Operator: ala

Column phase: DB-624

Column diameter: 0,18

36 Carbon Tetrachloride

Concentration: 63,8 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

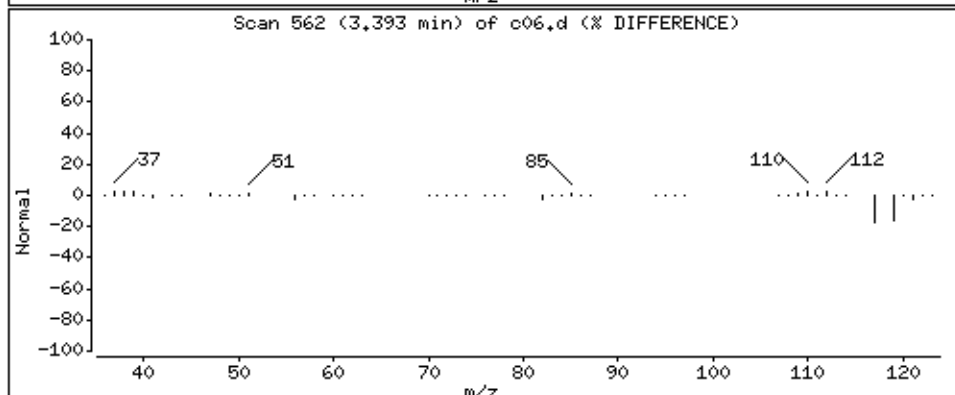
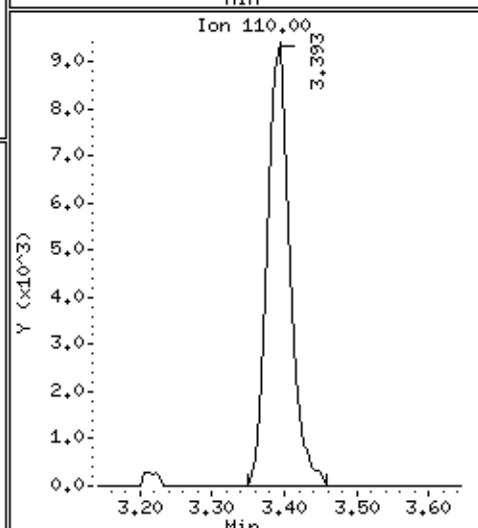
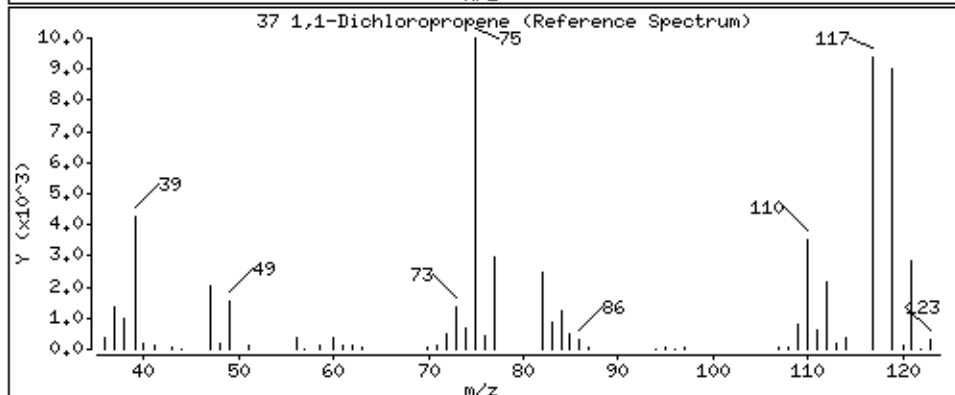
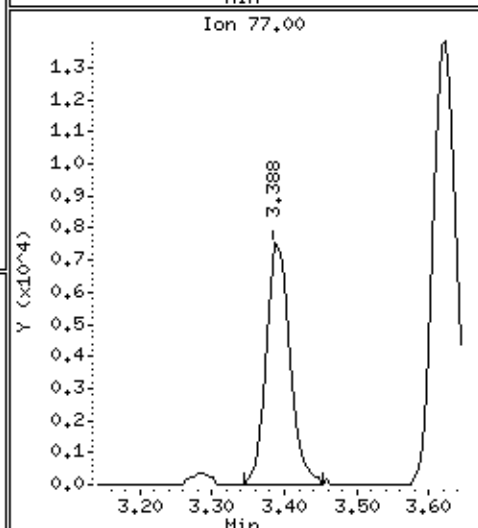
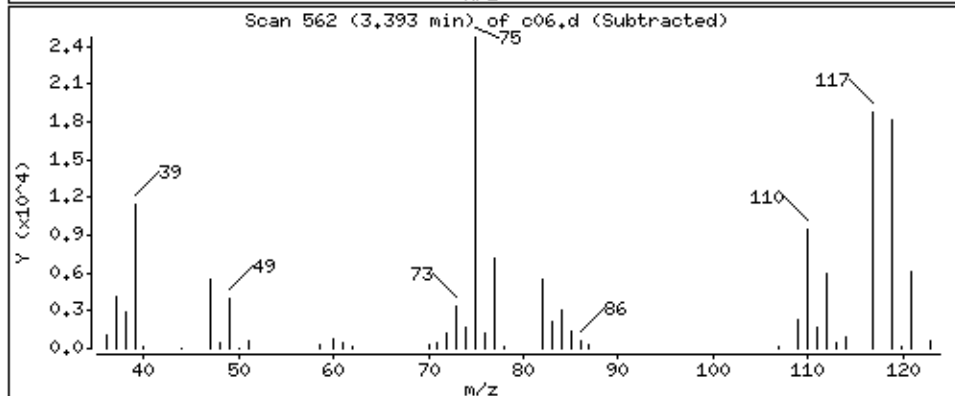
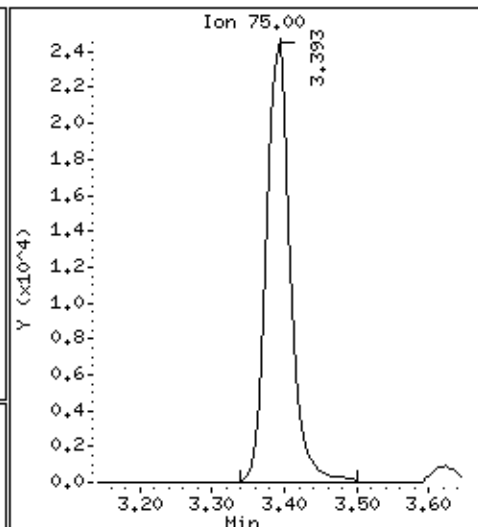
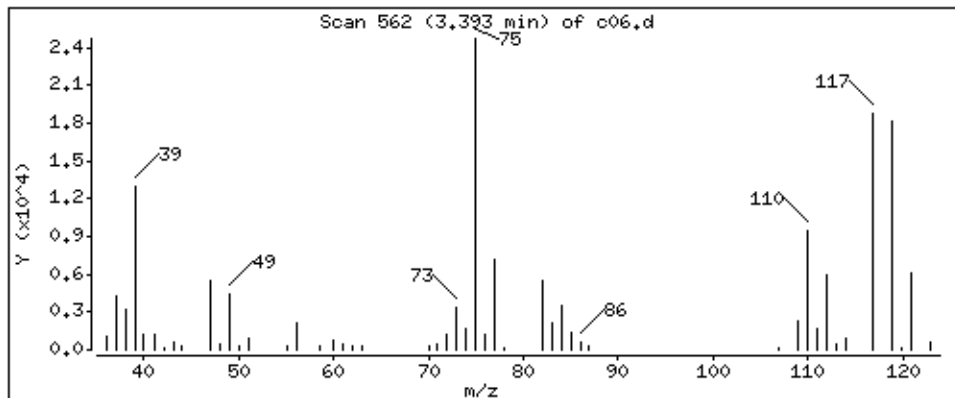
Operator: ala

Column phase: DB-624

Column diameter: 0,18

37 1,1-Dichloropropene

Concentration: 64,0 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730;5

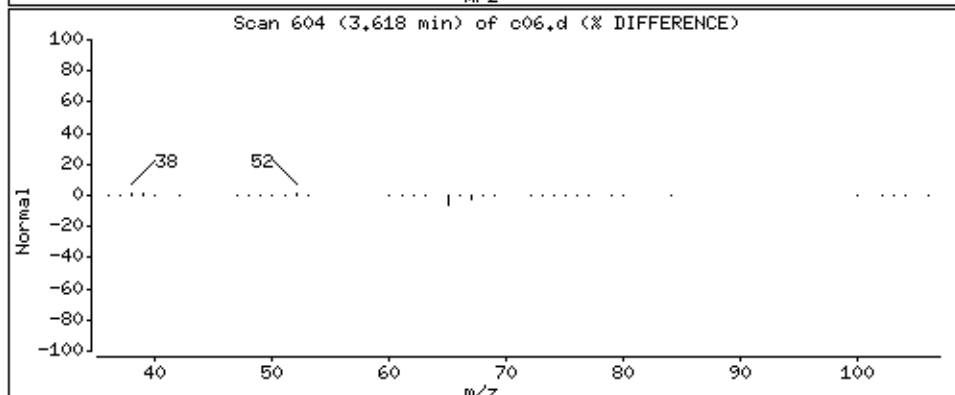
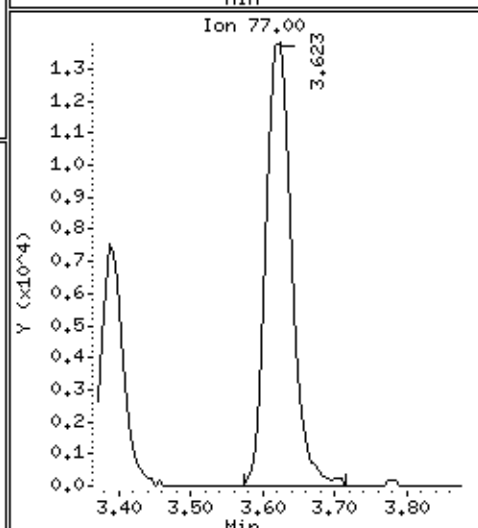
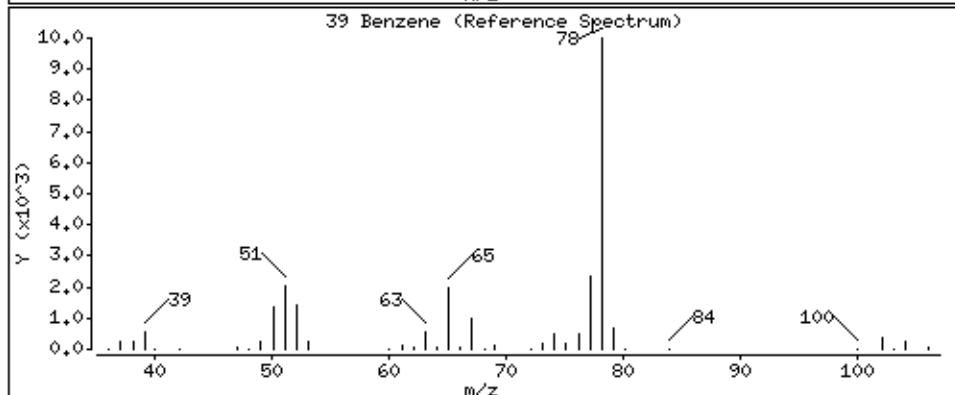
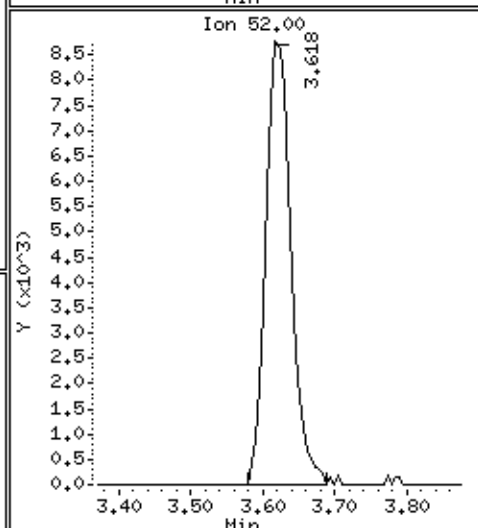
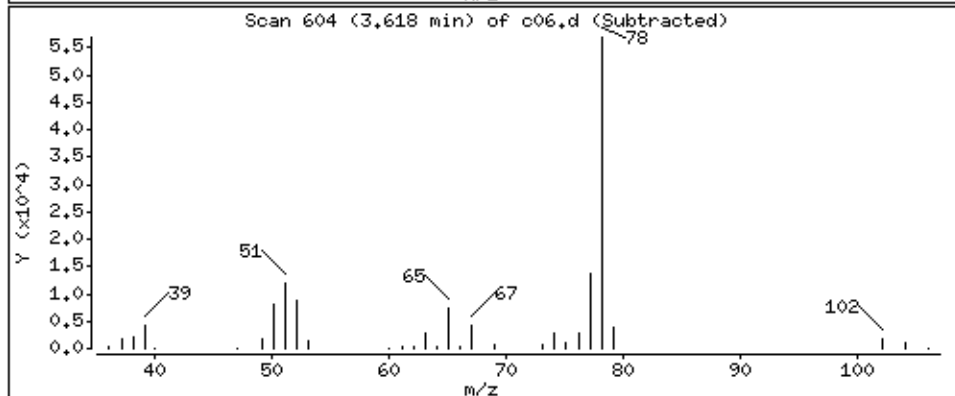
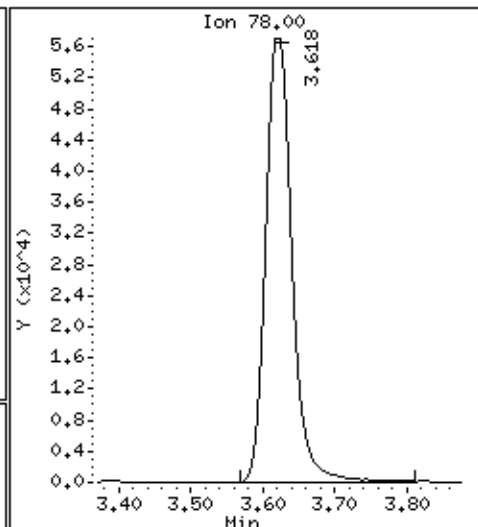
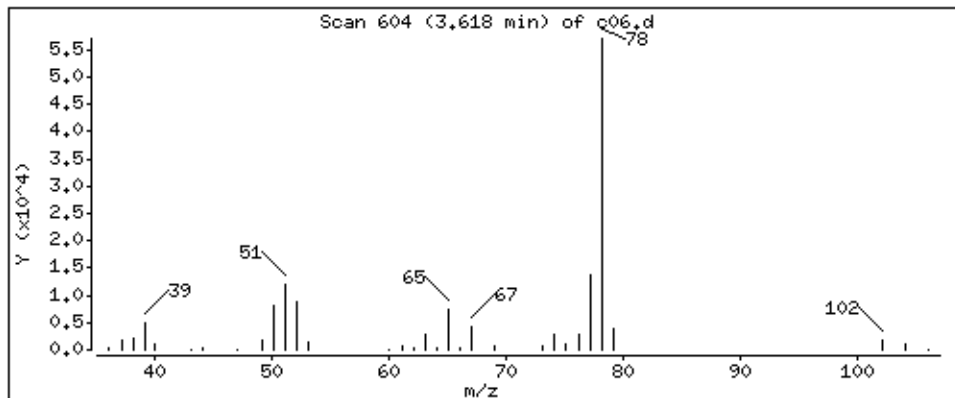
Operator: ala

Column phase: DB-624

Column diameter: 0,18

39 Benzene

Concentration: 59,7 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

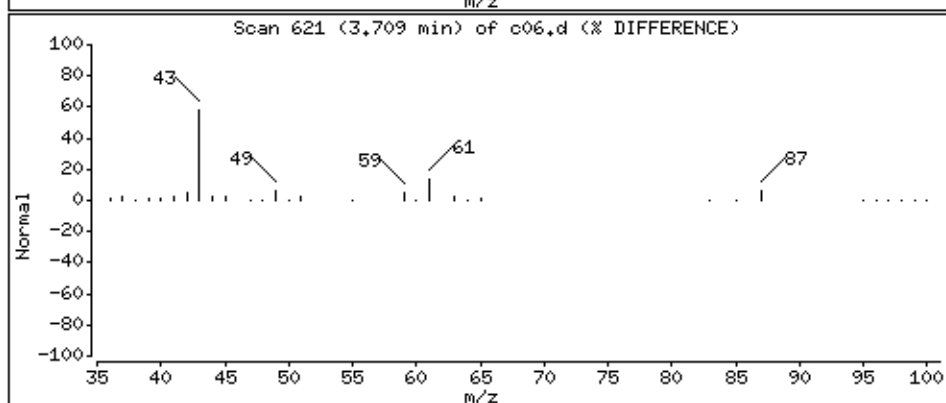
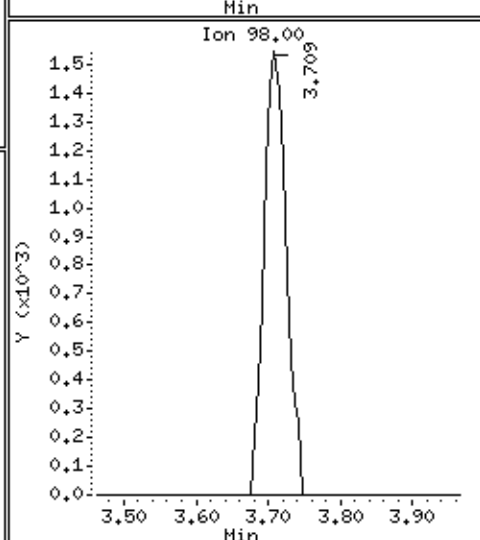
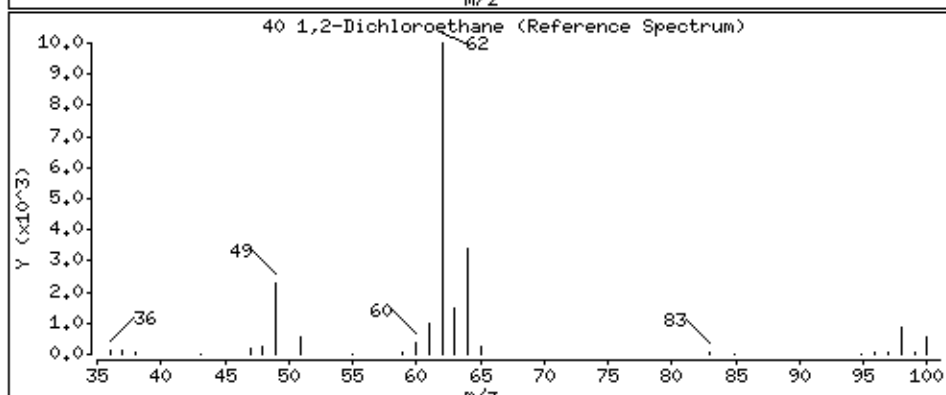
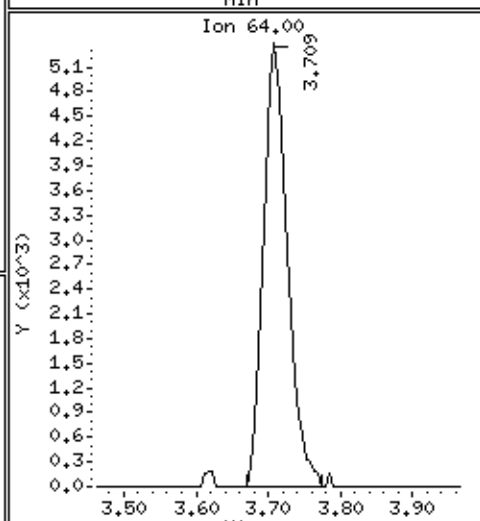
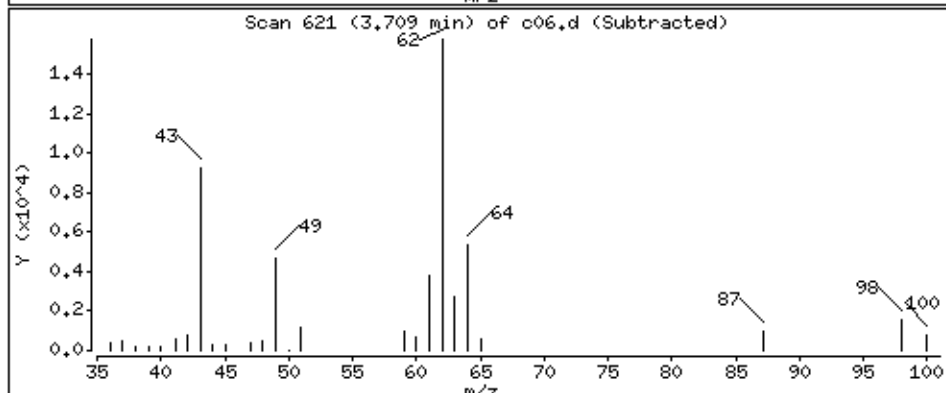
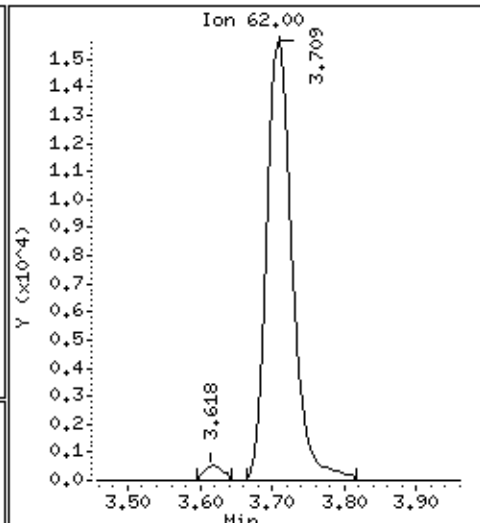
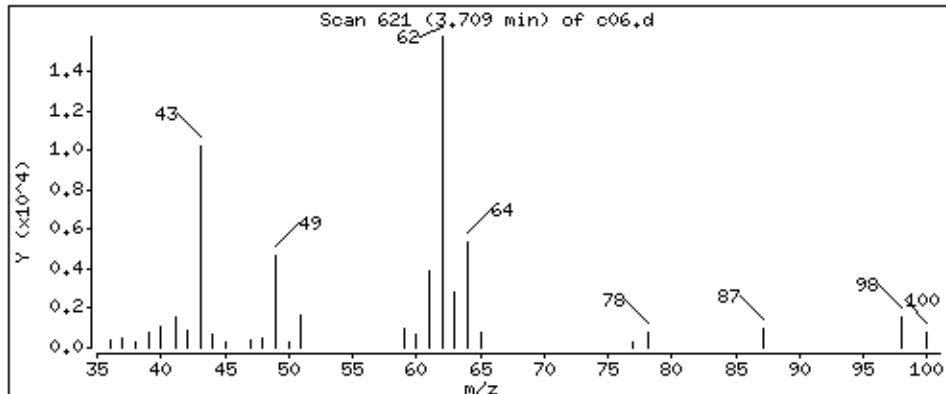
Operator: ala

Column phase: DB-624

Column diameter: 0,18

40 1,2-Dichloroethane

Concentration: 54,3 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

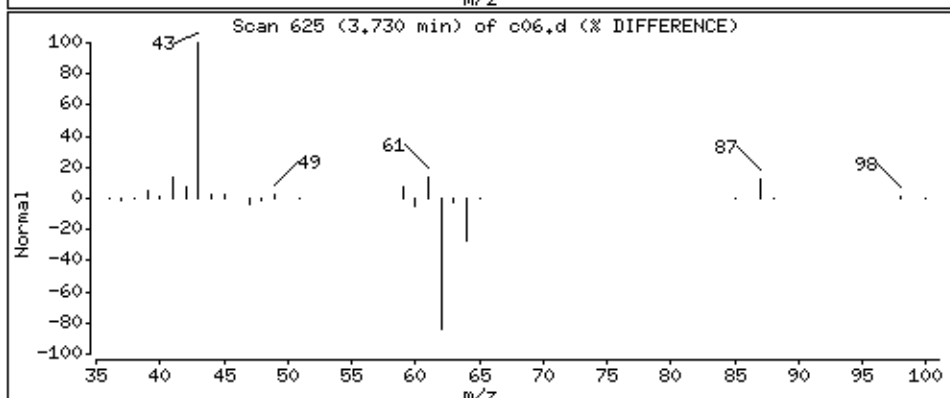
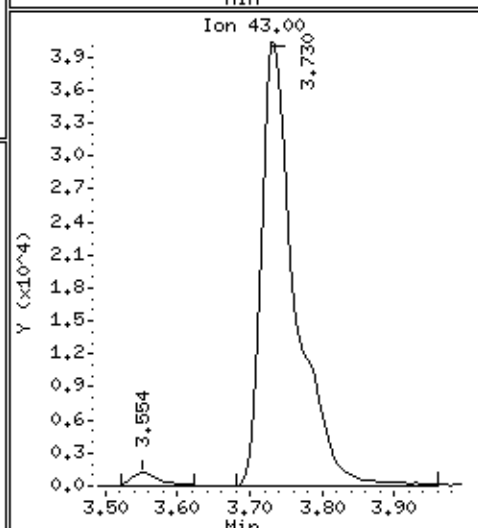
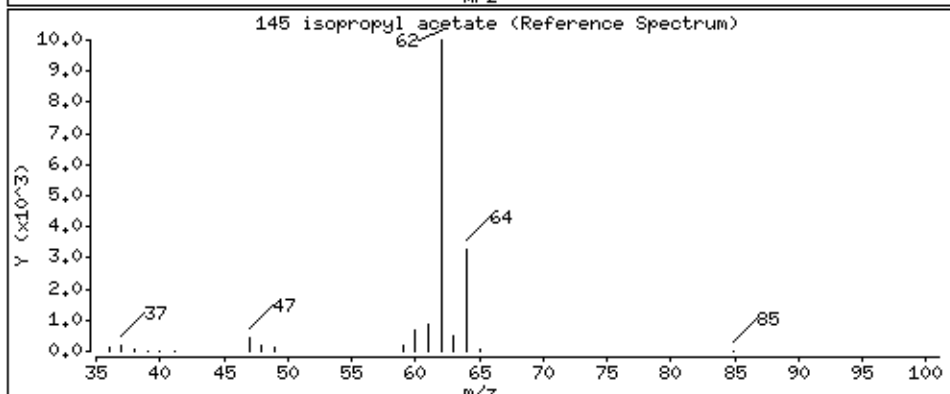
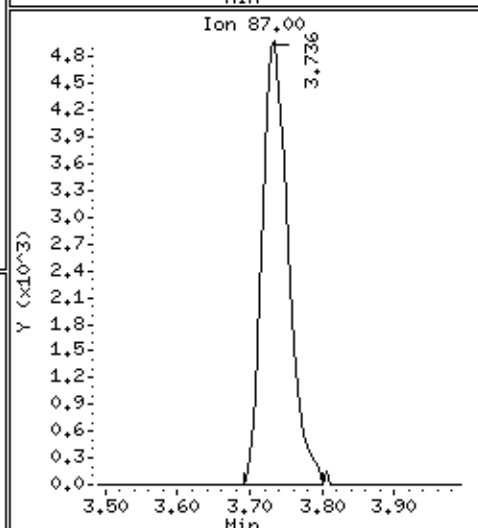
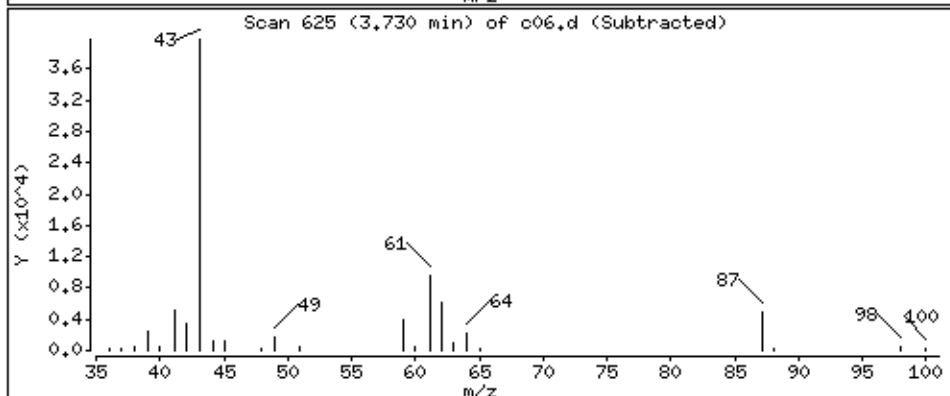
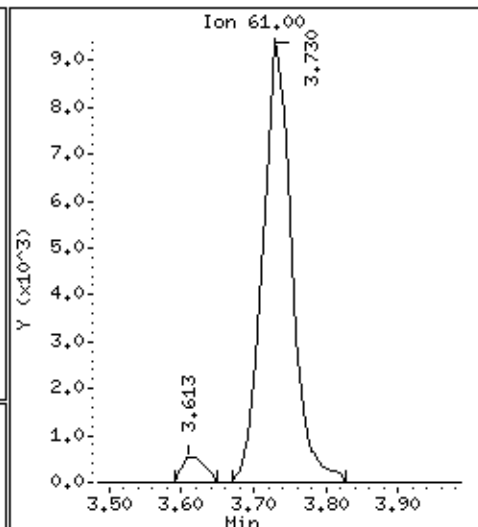
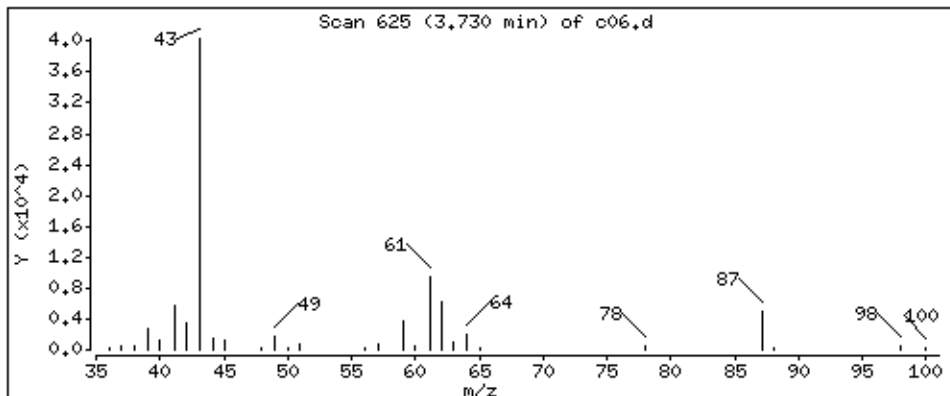
Operator: ala

Column phase: DB-624

Column diameter: 0,18

145 isopropyl acetate

Concentration: 150 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

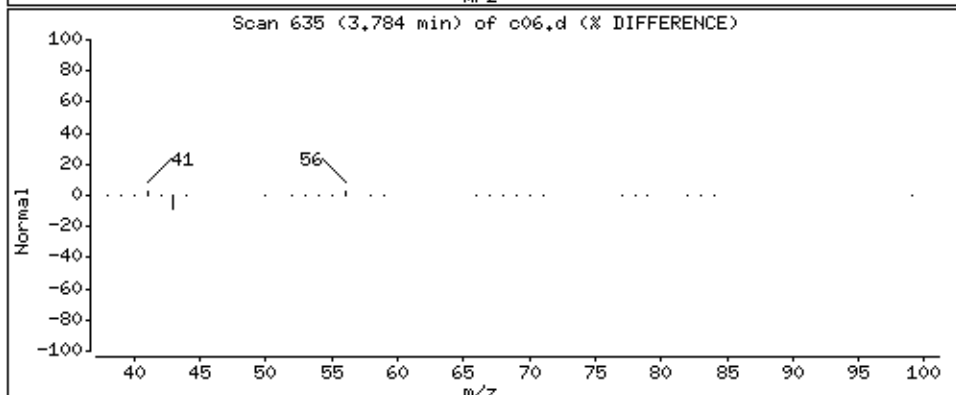
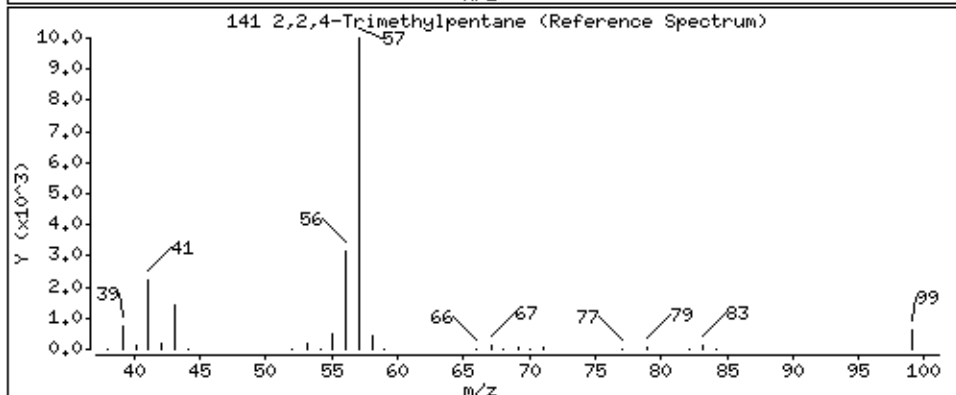
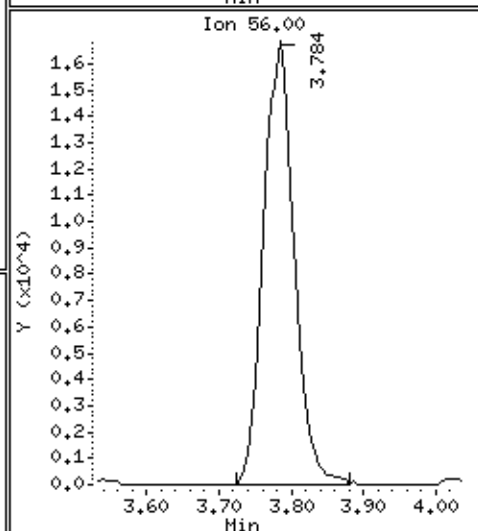
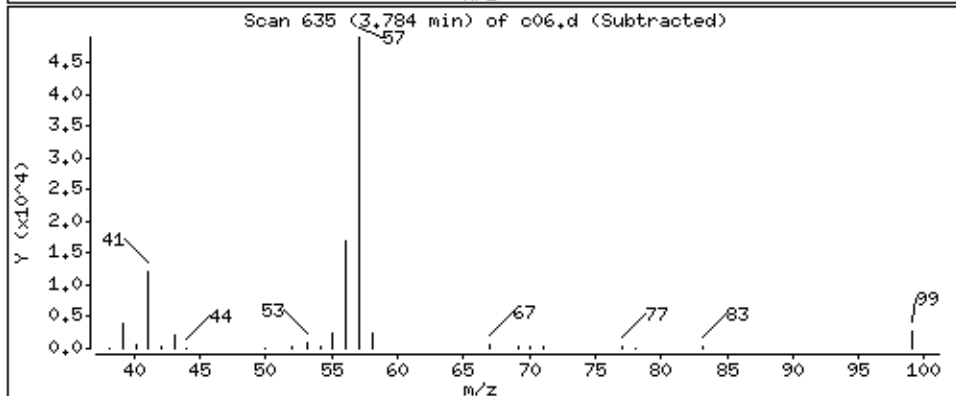
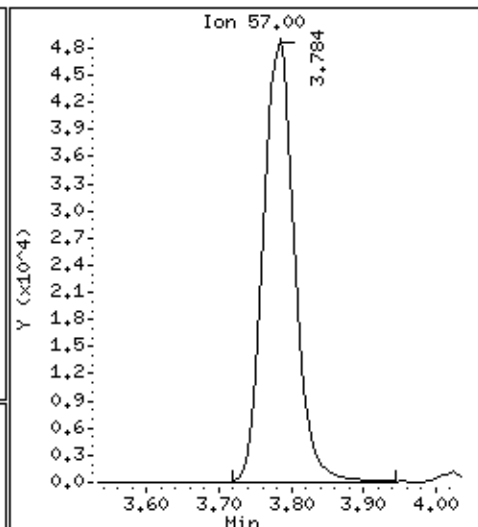
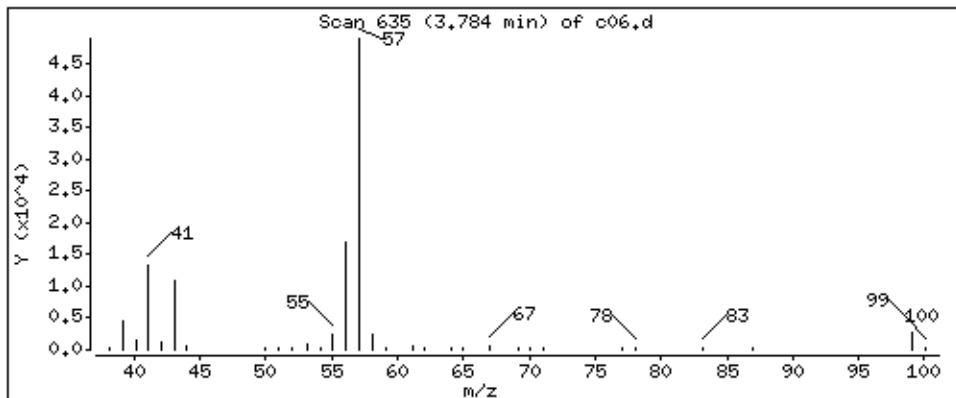
Operator: ala

Column phase: DB-624

Column diameter: 0,18

141 2,2,4-Trimethylpentane

Concentration: 71.3 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730;5

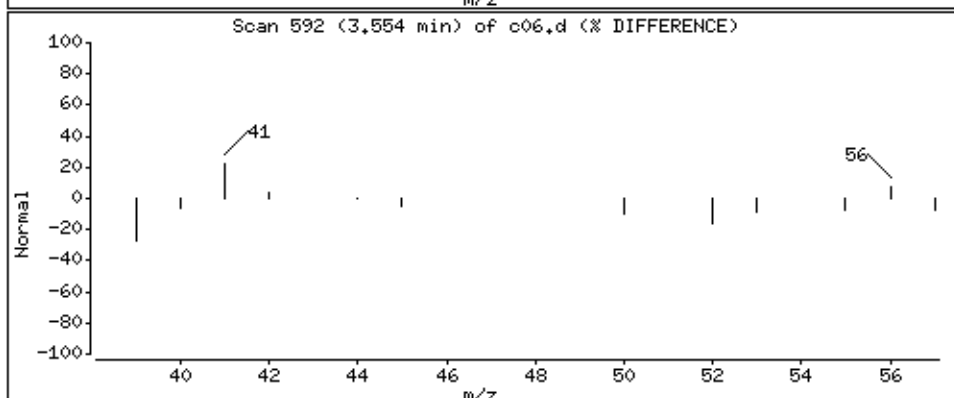
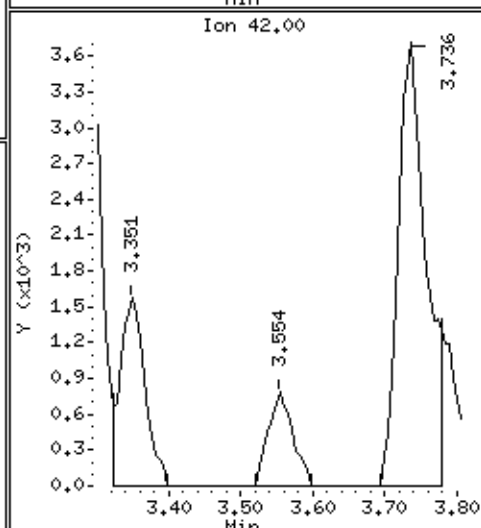
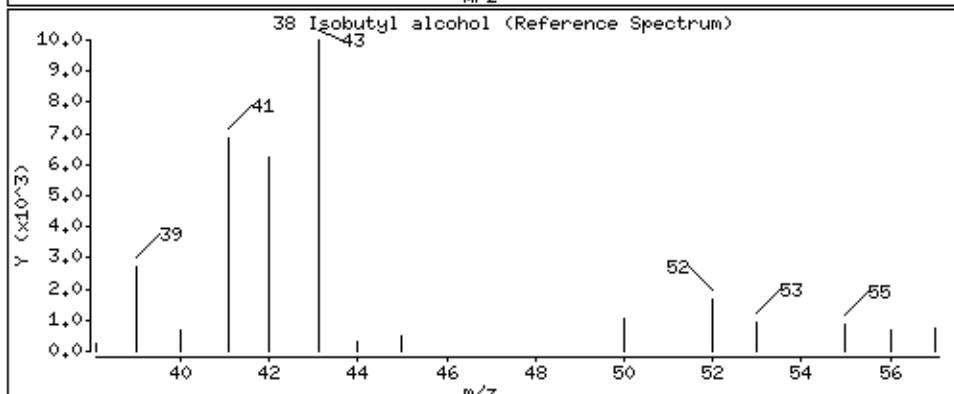
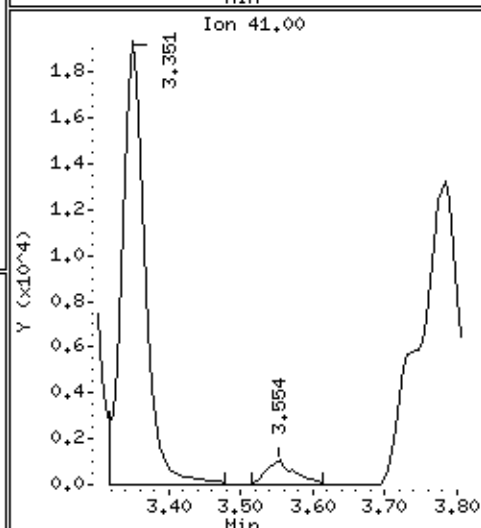
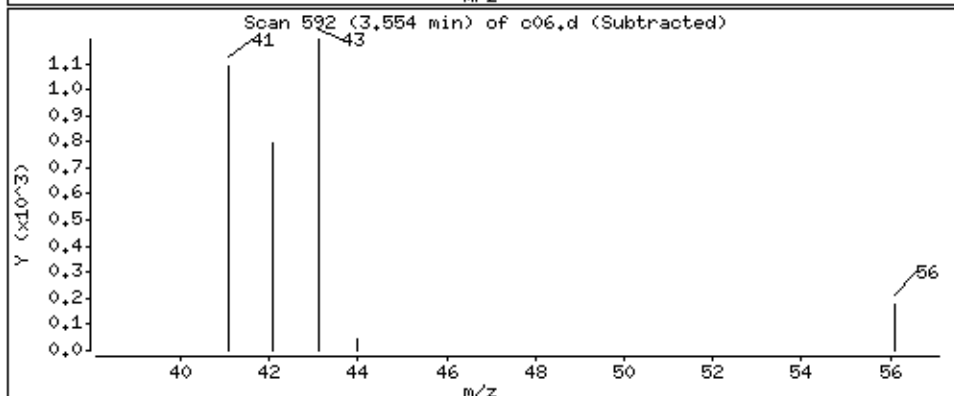
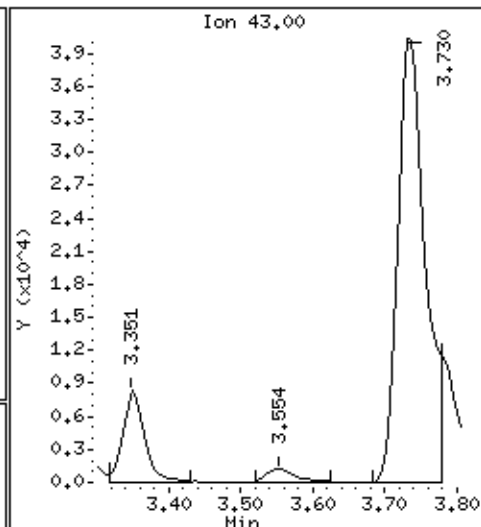
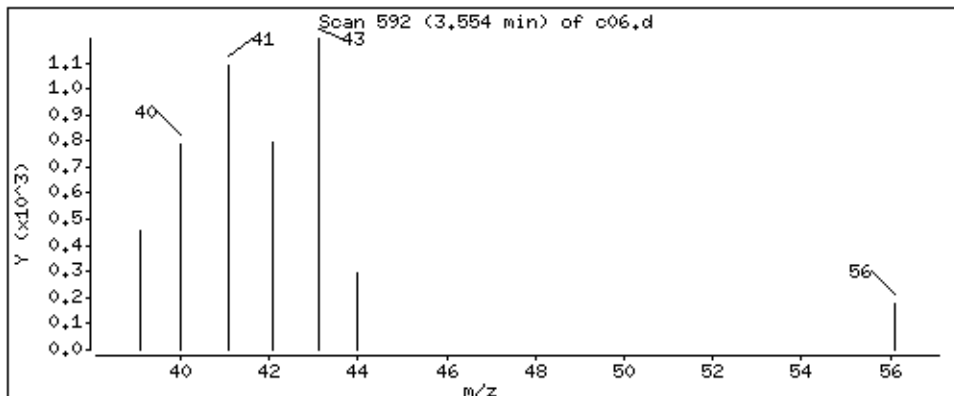
Operator: ala

Column phase: DB-624

Column diameter: 0,18

38 Isobutyl alcohol

Concentration: 124 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

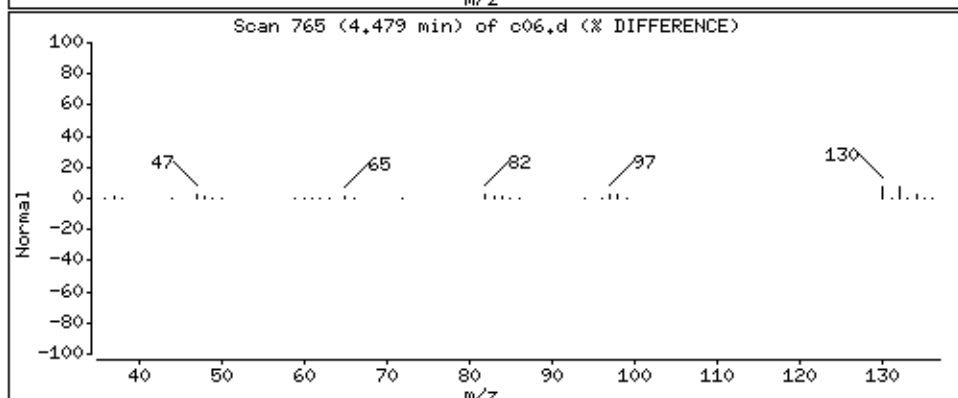
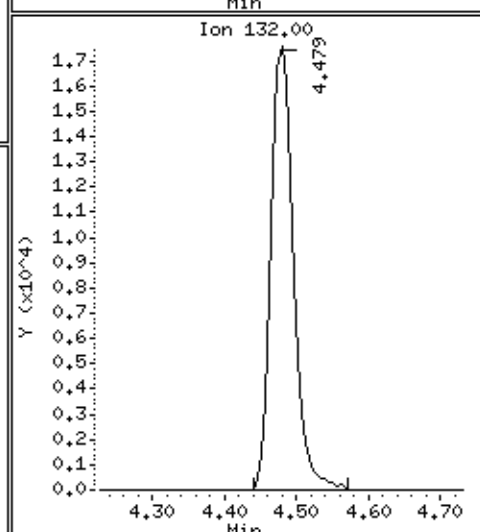
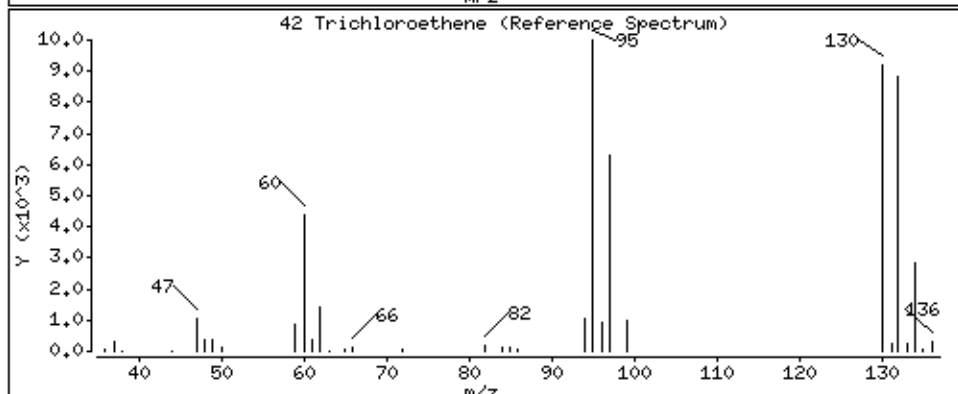
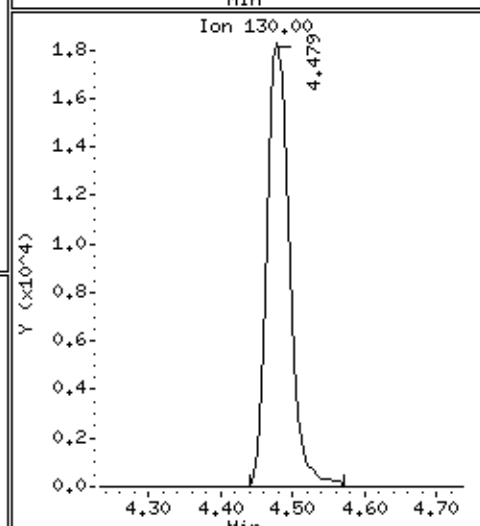
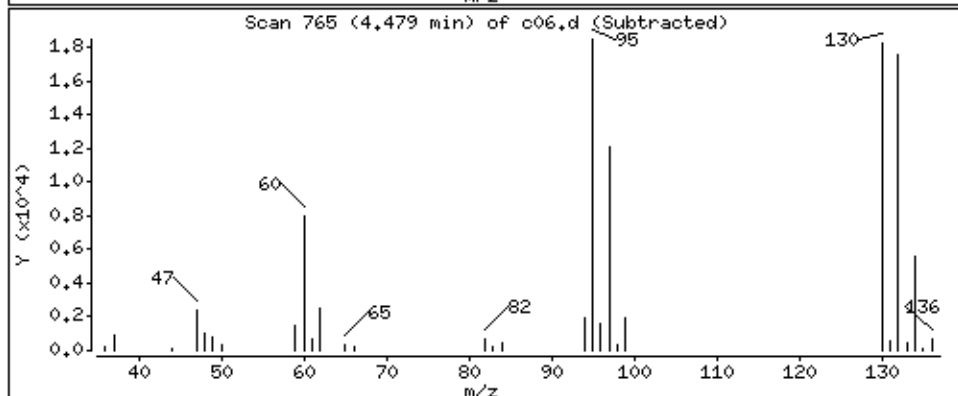
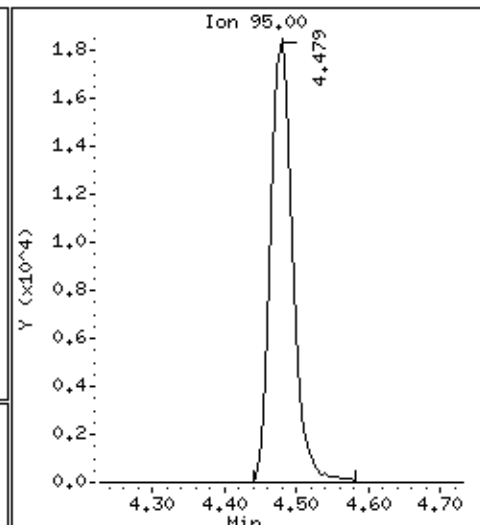
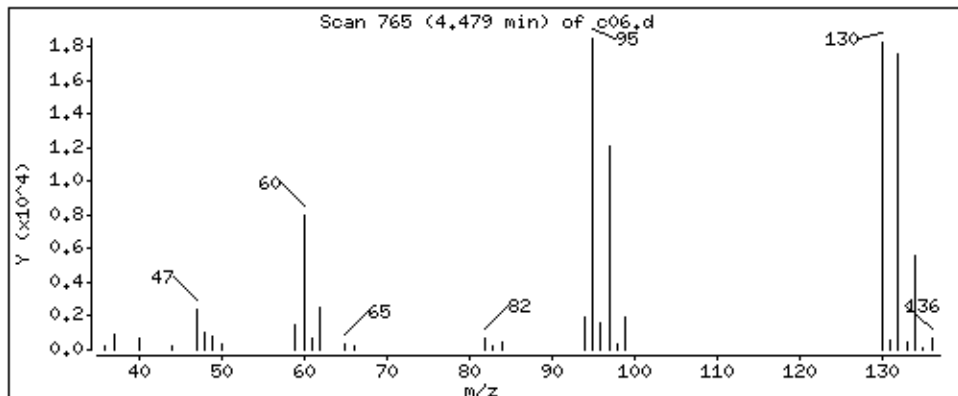
Operator: ala

Column phase: DB-624

Column diameter: 0,18

42 Trichloroethene

Concentration: 61.8 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

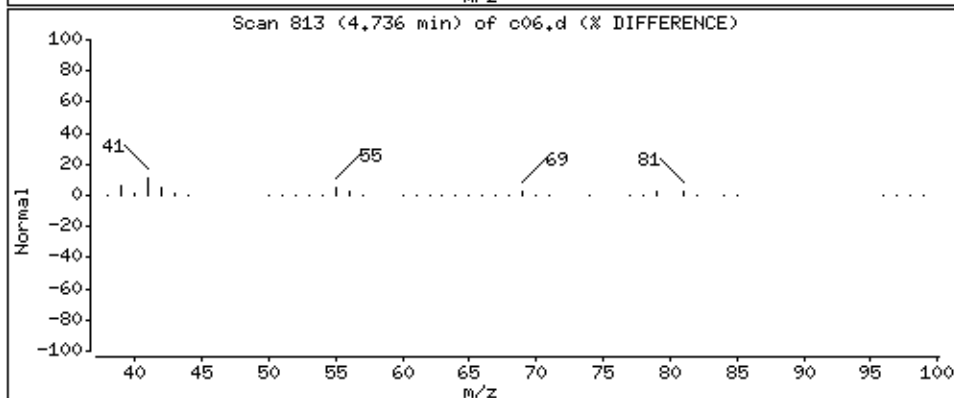
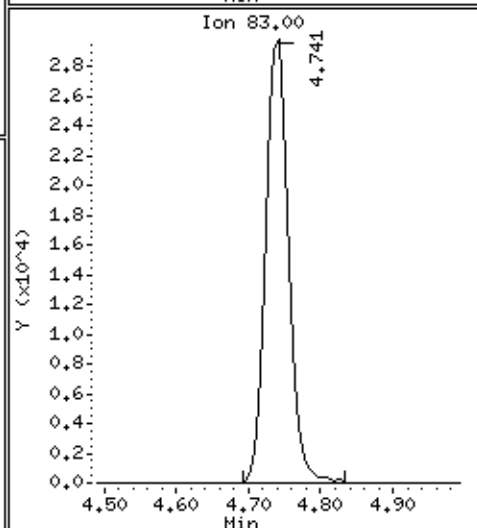
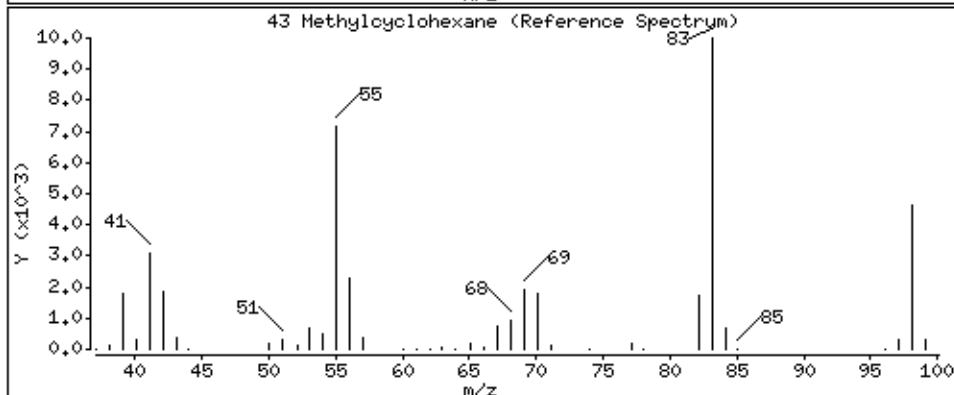
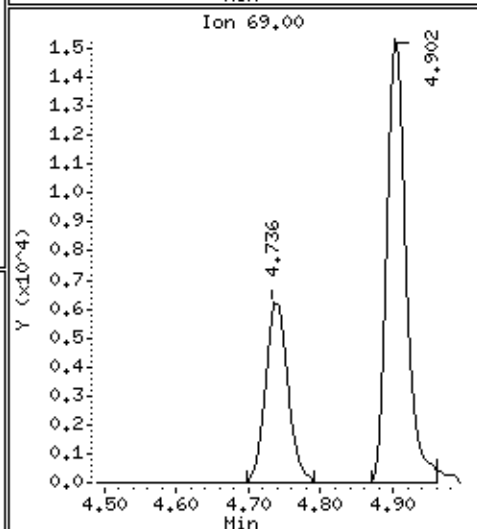
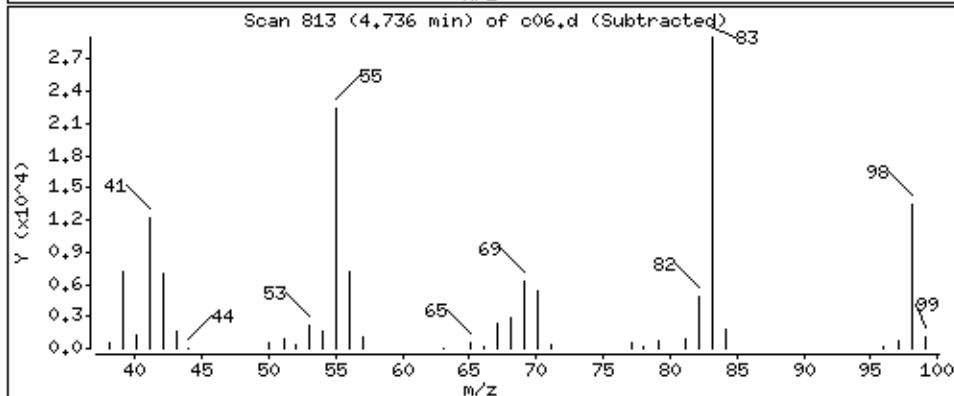
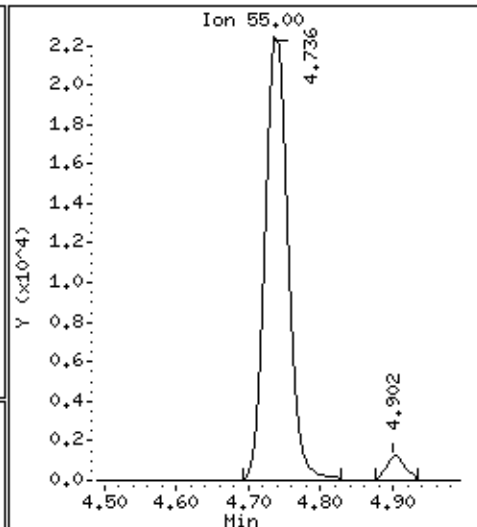
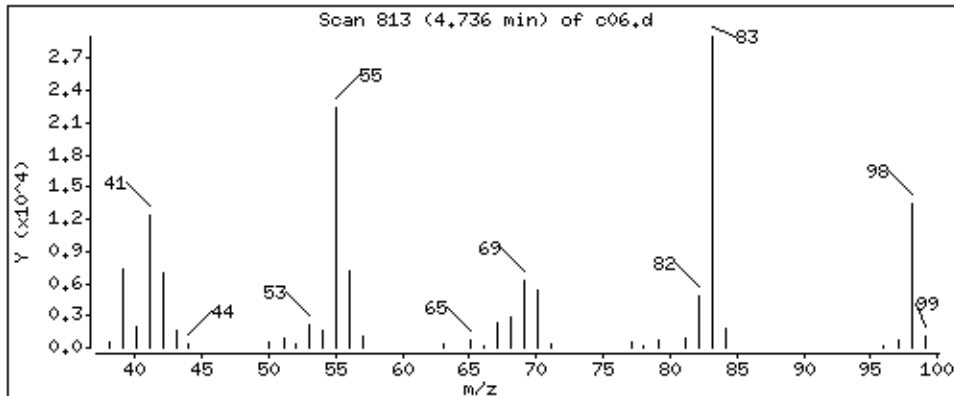
Operator: ala

Column phase: DB-624

Column diameter: 0,18

43 Methylcyclohexane

Concentration: 57,6 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

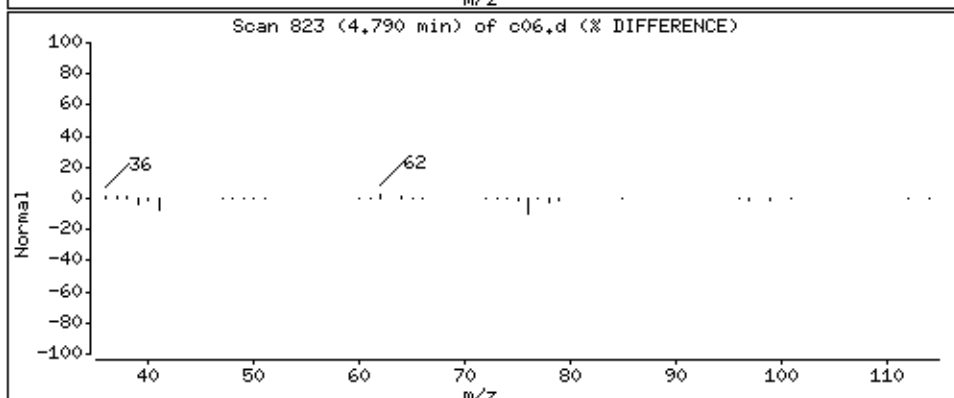
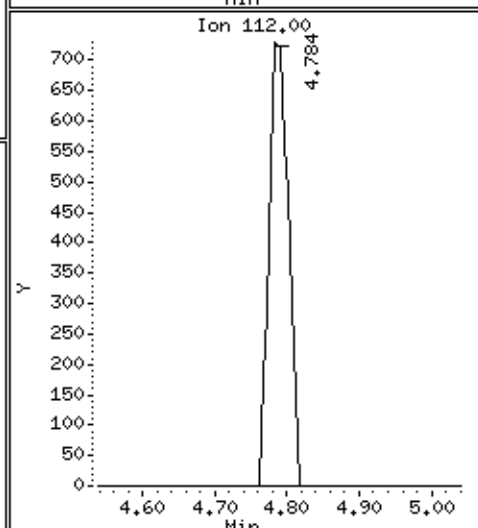
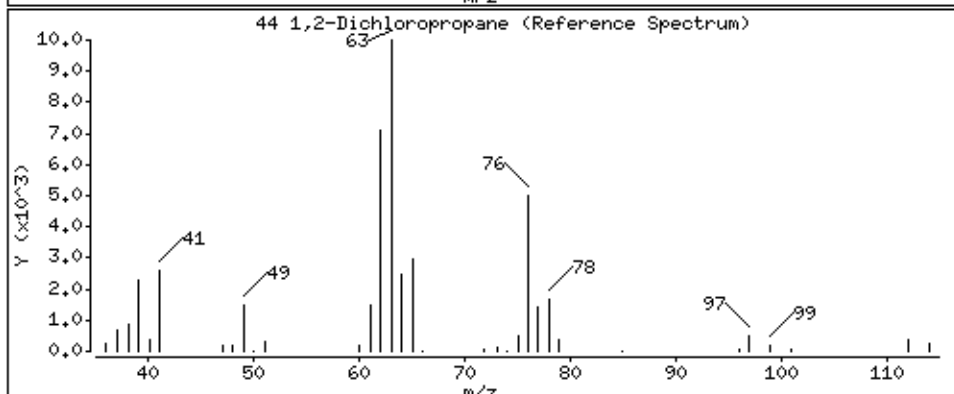
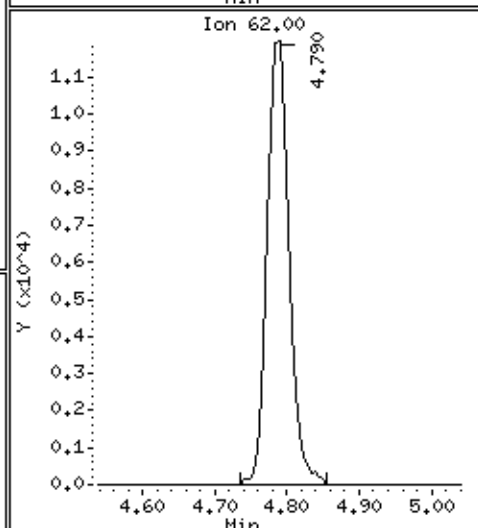
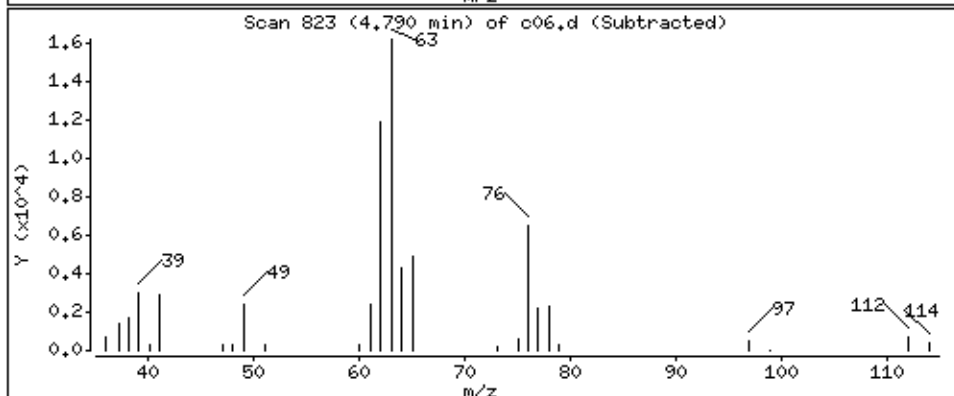
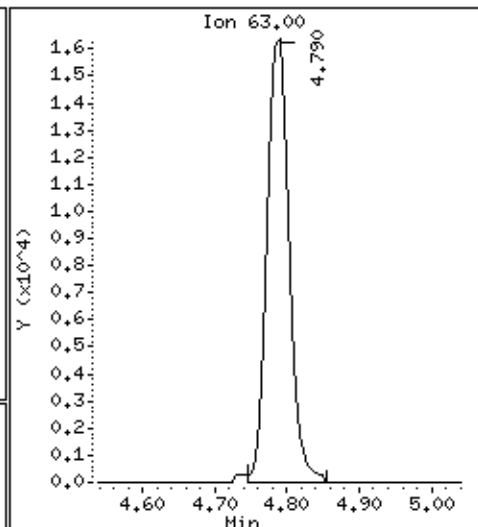
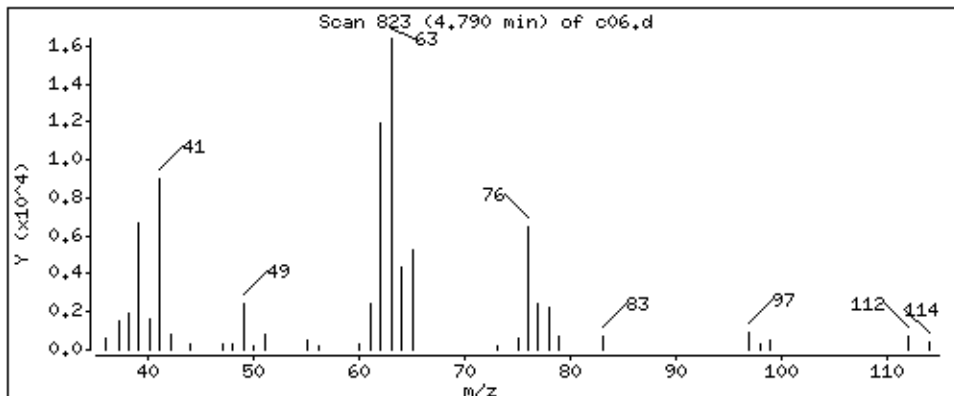
Operator: ala

Column phase: DB-624

Column diameter: 0,18

44 1,2-Dichloropropane

Concentration: 59,3 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

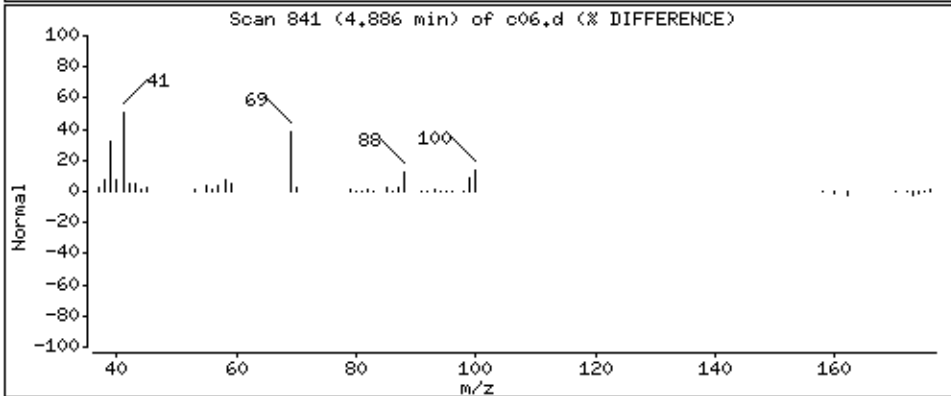
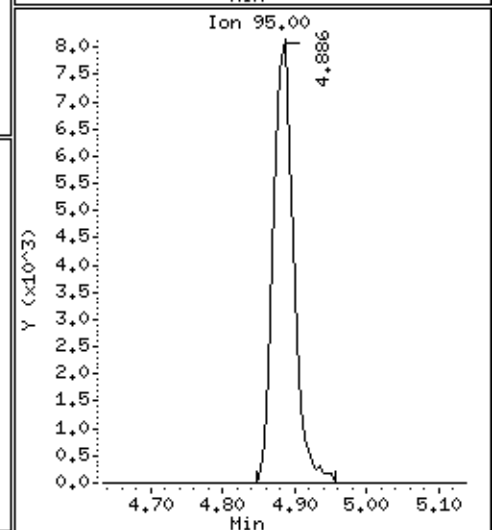
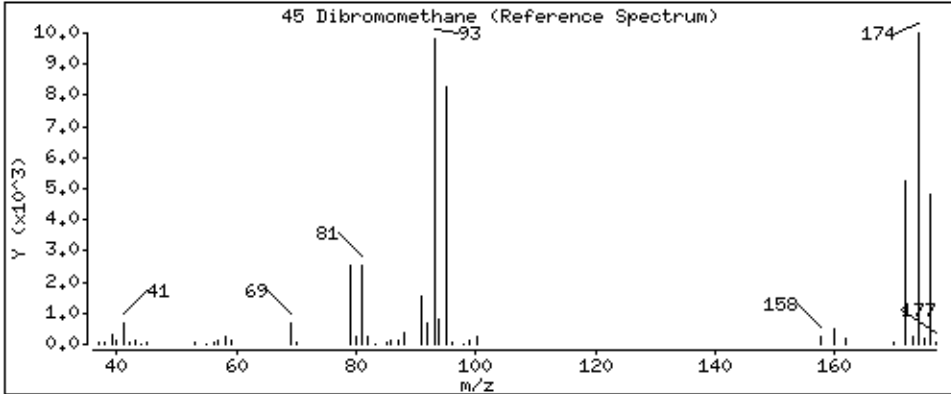
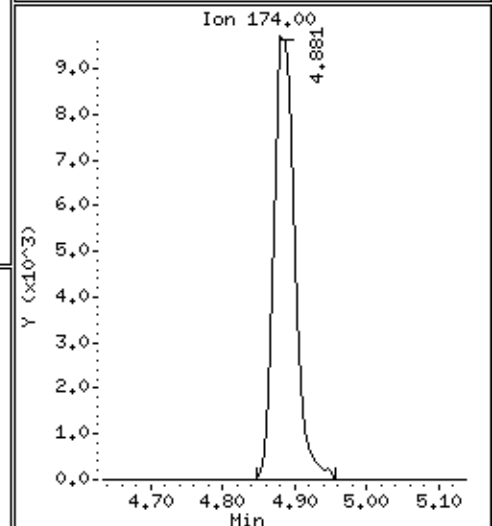
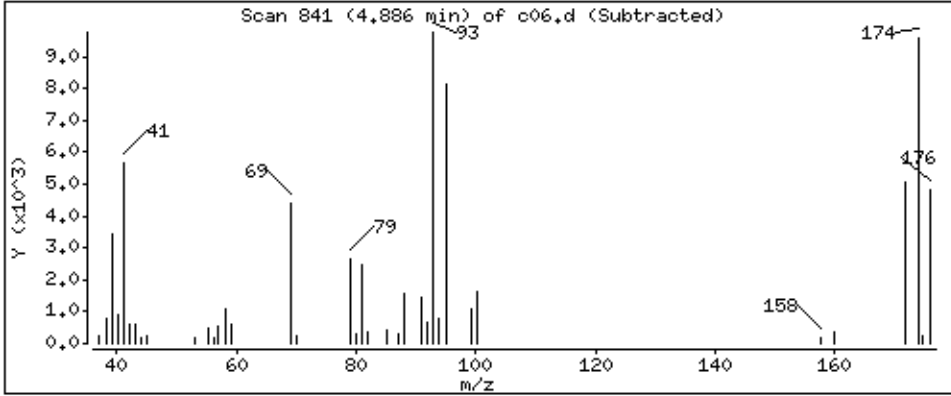
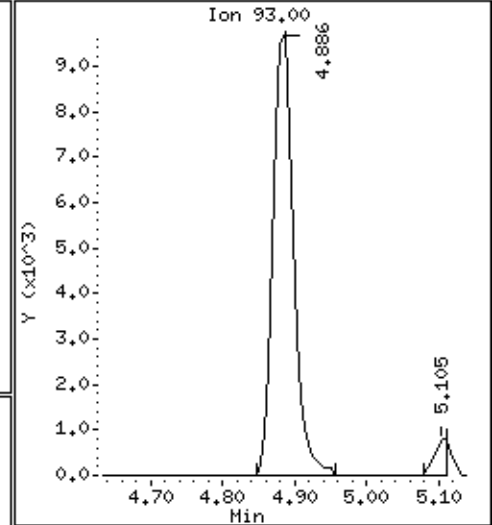
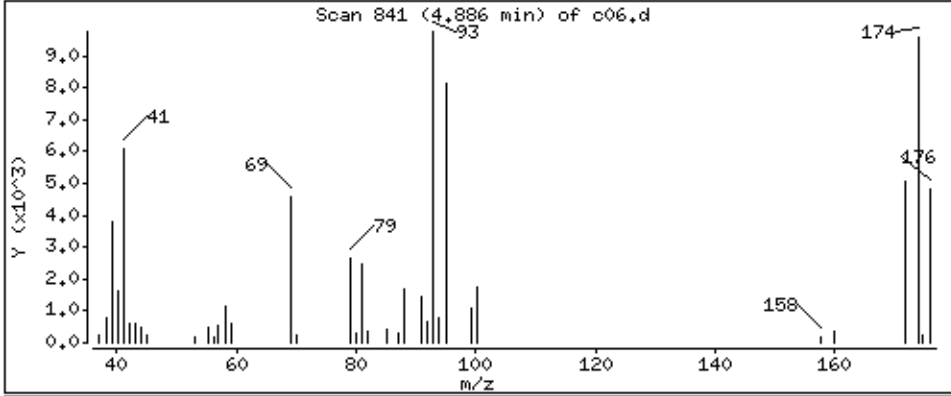
Operator: ala

Column phase: DB-624

Column diameter: 0,18

45 Dibromomethane

Concentration: 56,7 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

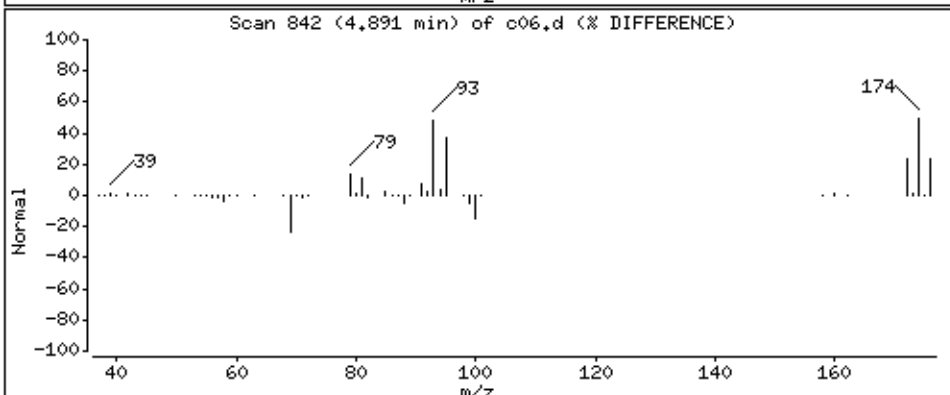
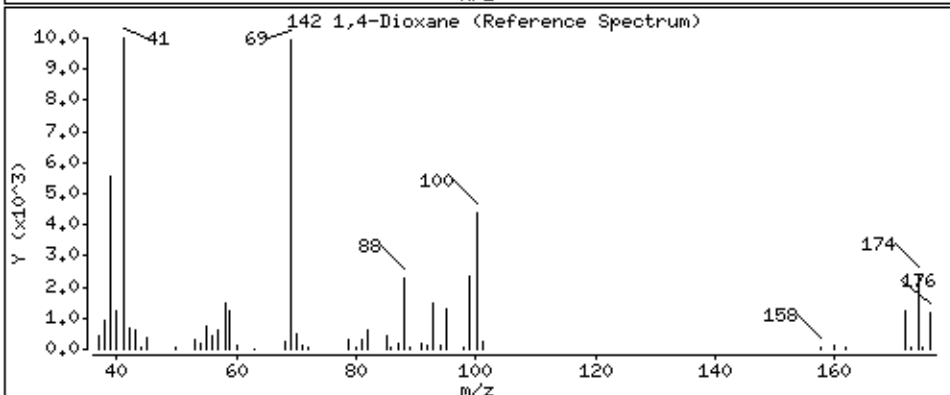
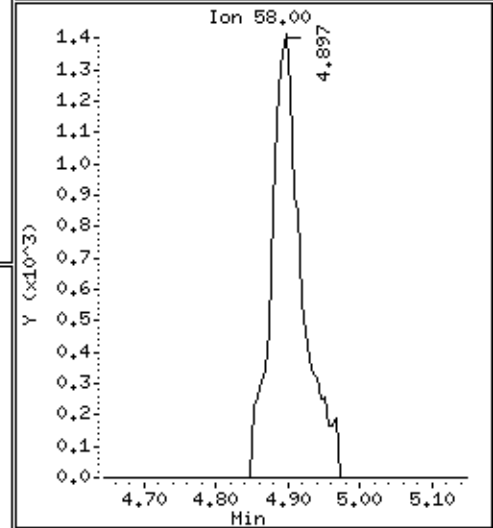
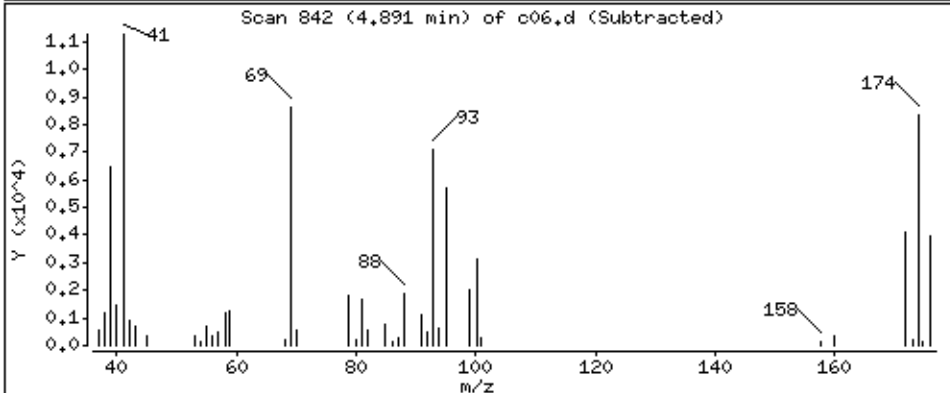
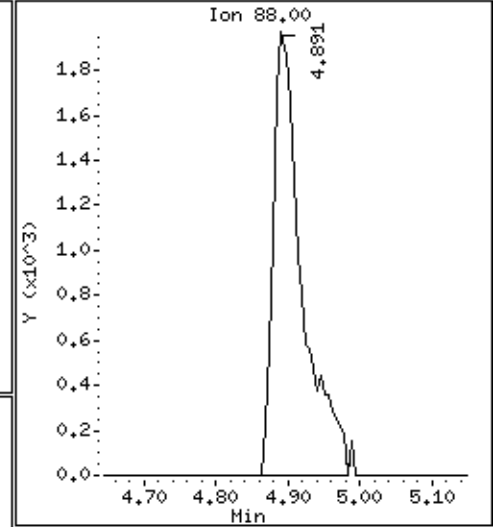
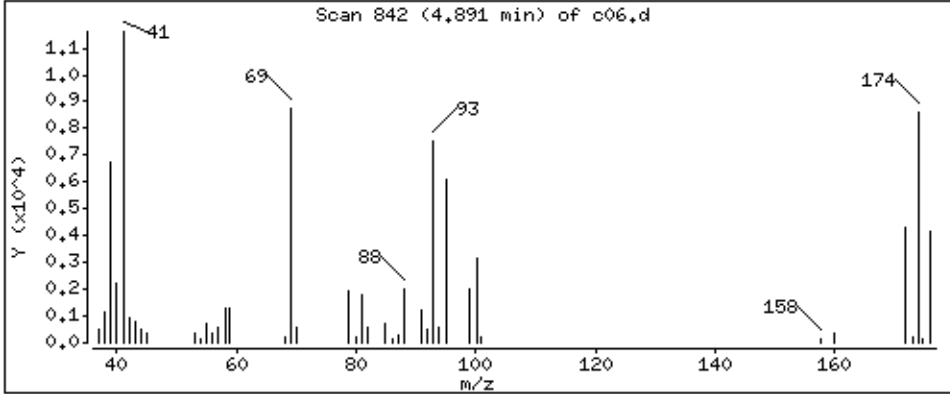
Operator: ala

Column phase: DB-624

Column diameter: 0,18

142 1,4-Dioxane

Concentration: 797 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

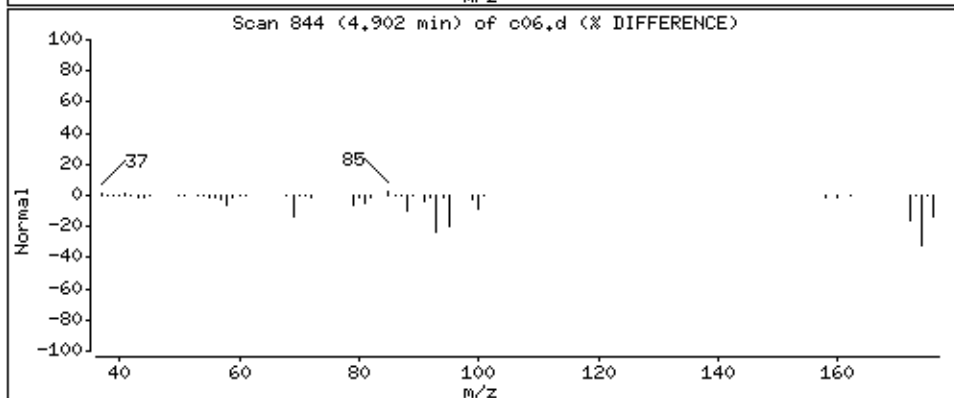
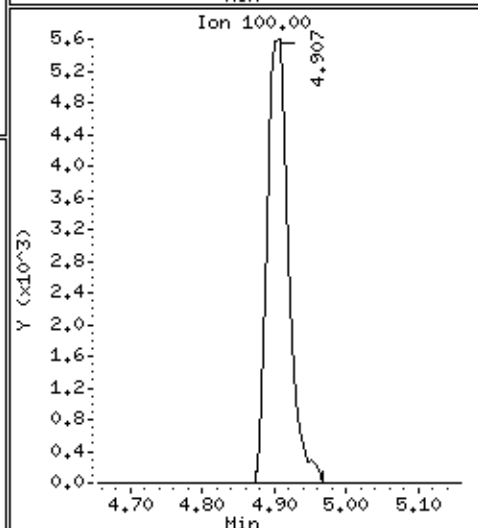
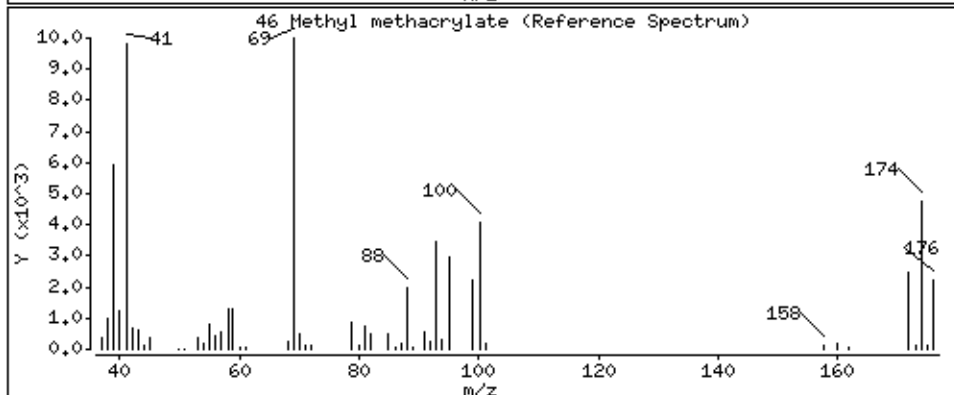
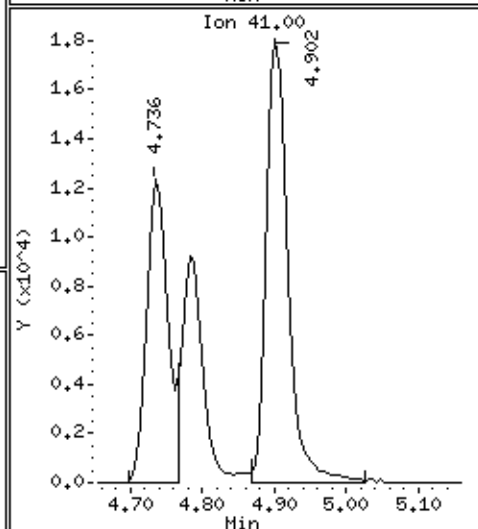
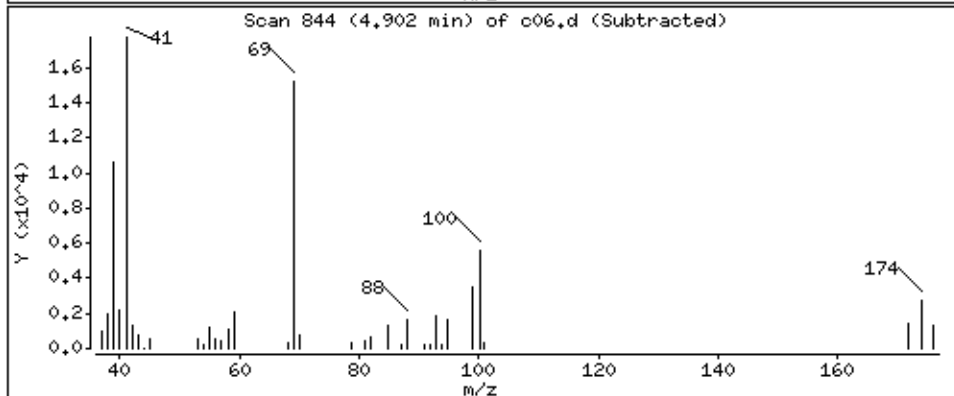
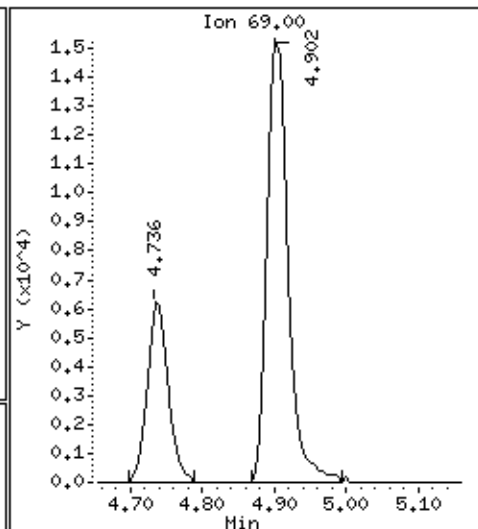
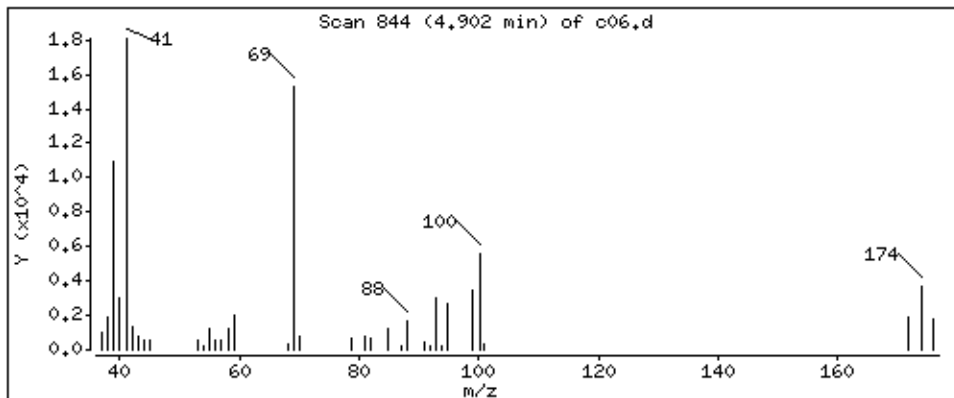
Operator: ala

Column phase: DB-624

Column diameter: 0,18

46 Methyl methacrylate

Concentration: 86,7 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

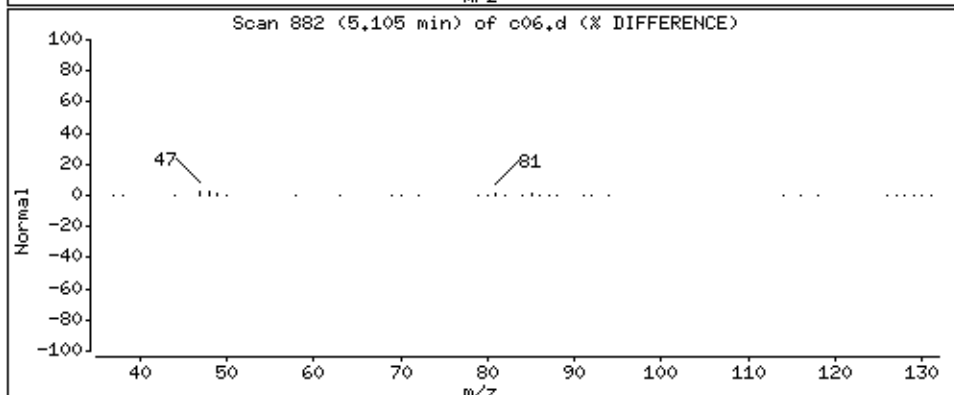
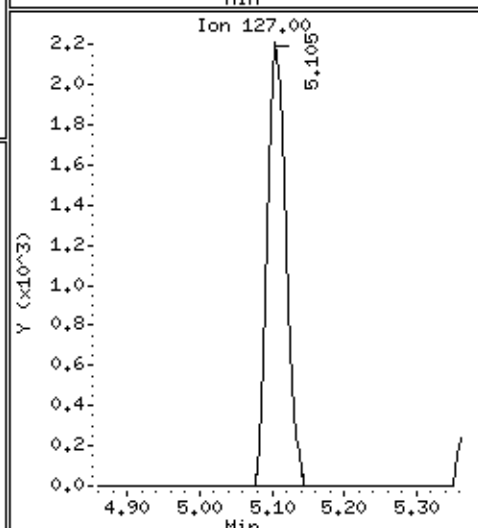
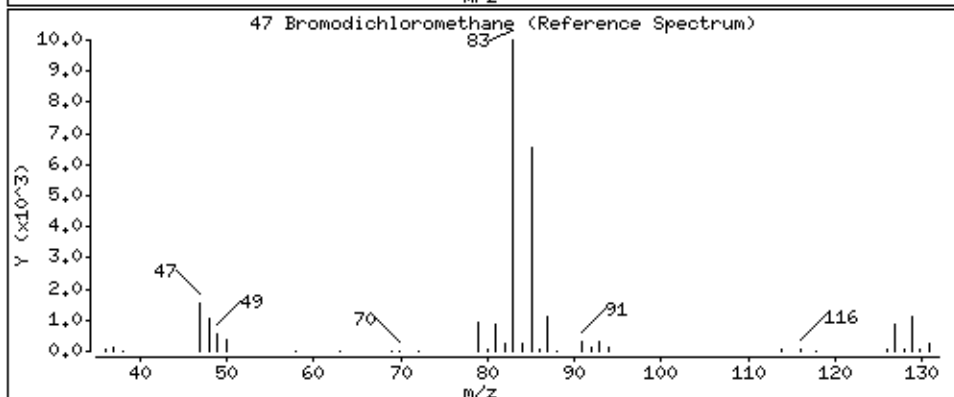
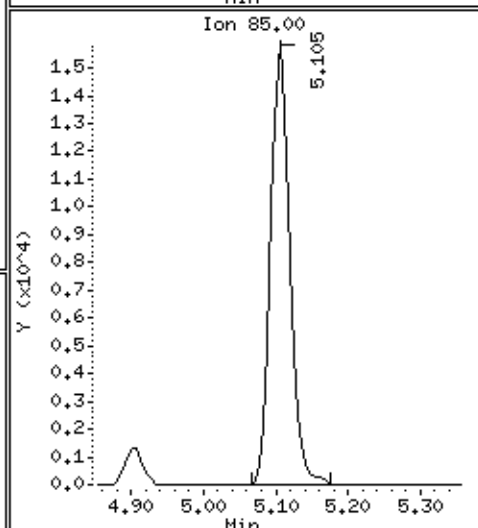
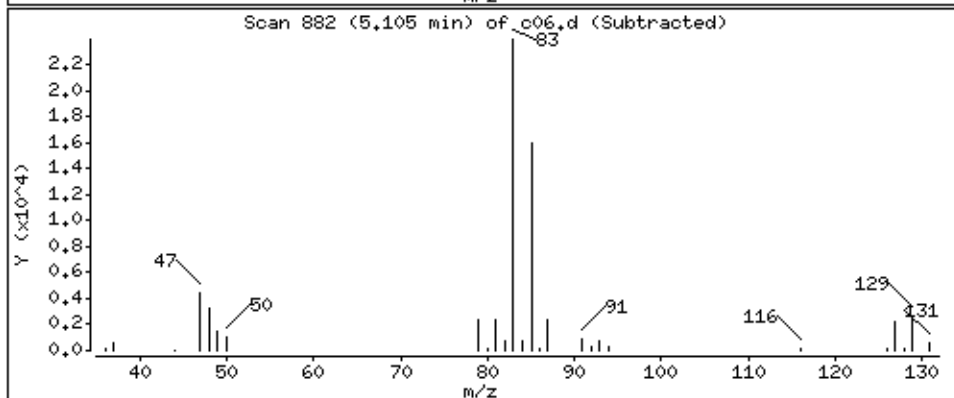
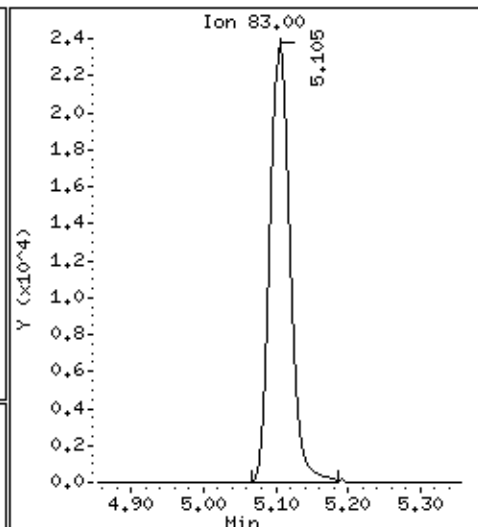
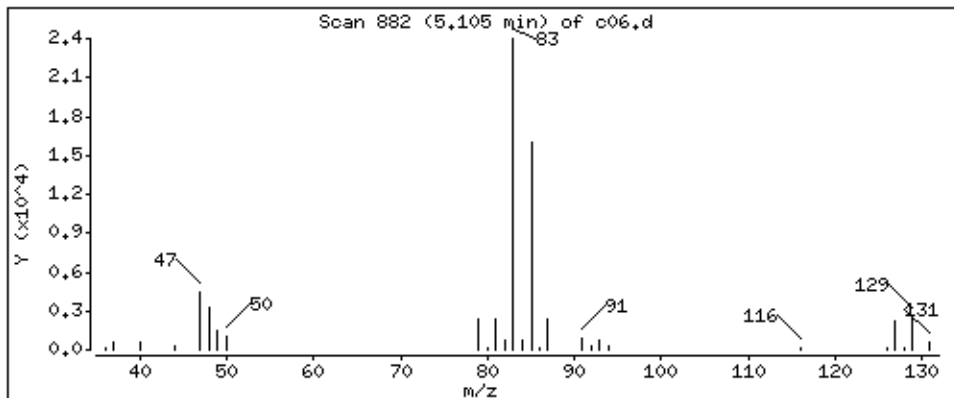
Operator: ala

Column phase: DB-624

Column diameter: 0,18

47 Bromodichloromethane

Concentration: 55,8 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

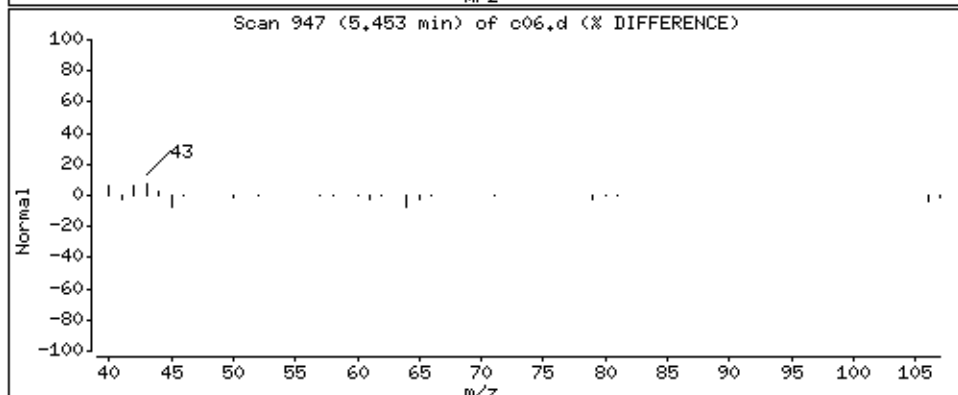
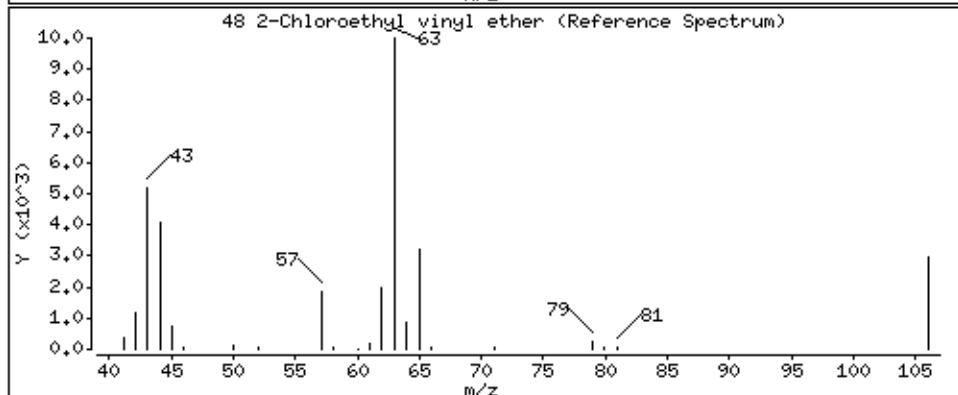
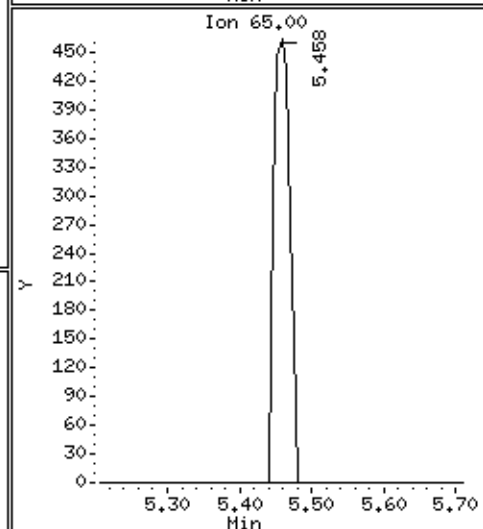
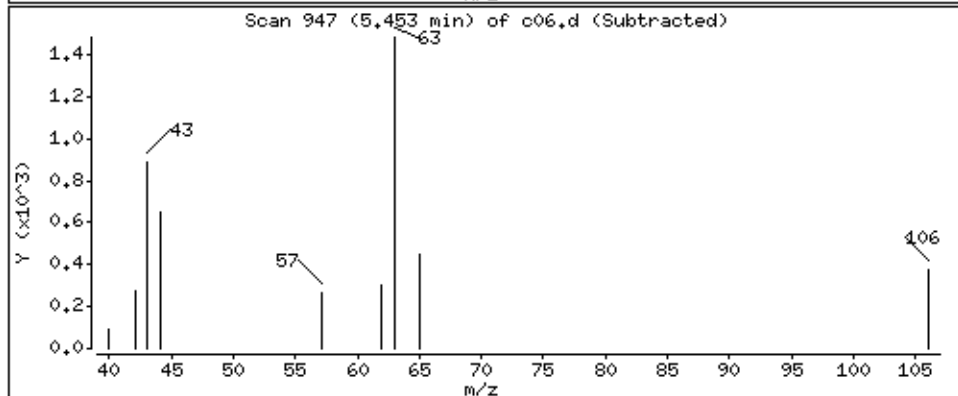
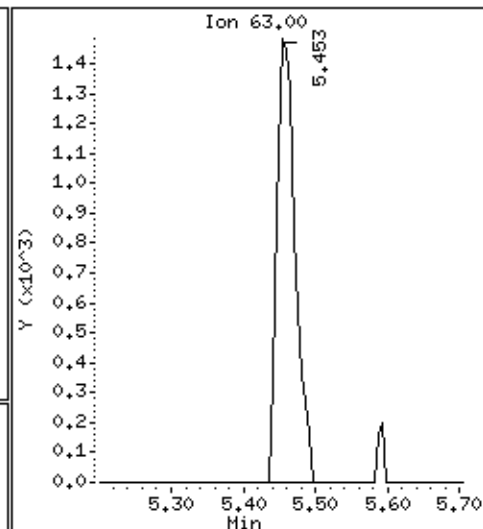
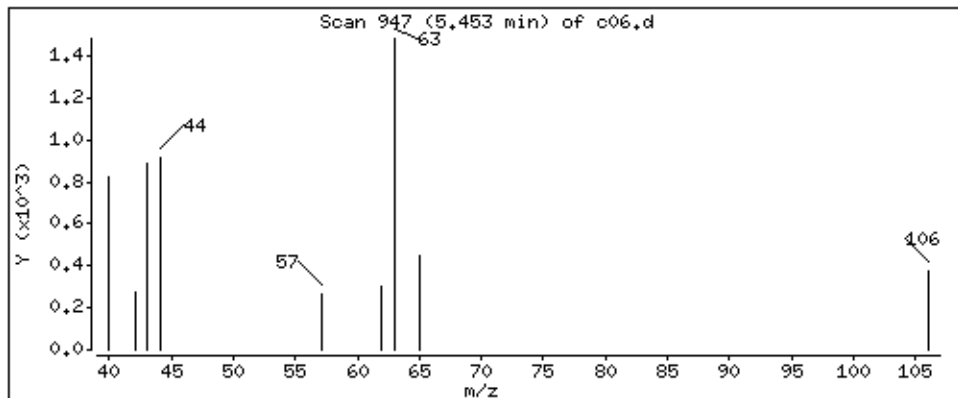
Operator: ala

Column phase: DB-624

Column diameter: 0,18

48 2-Chloroethyl vinyl ether

Concentration: 28,3 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

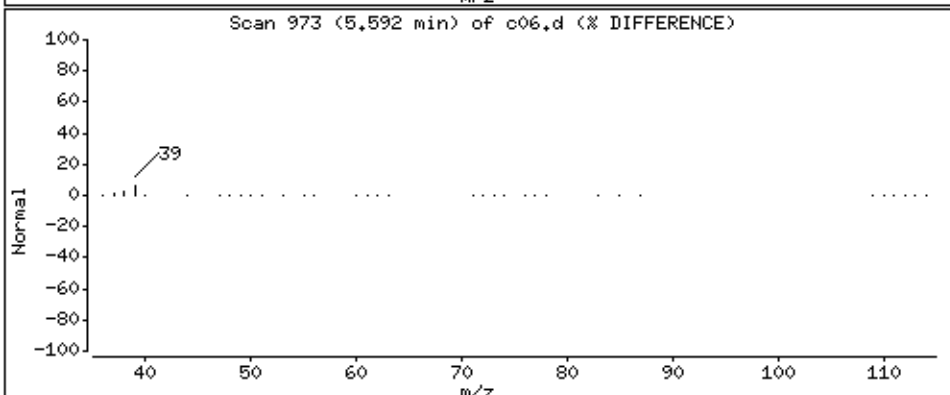
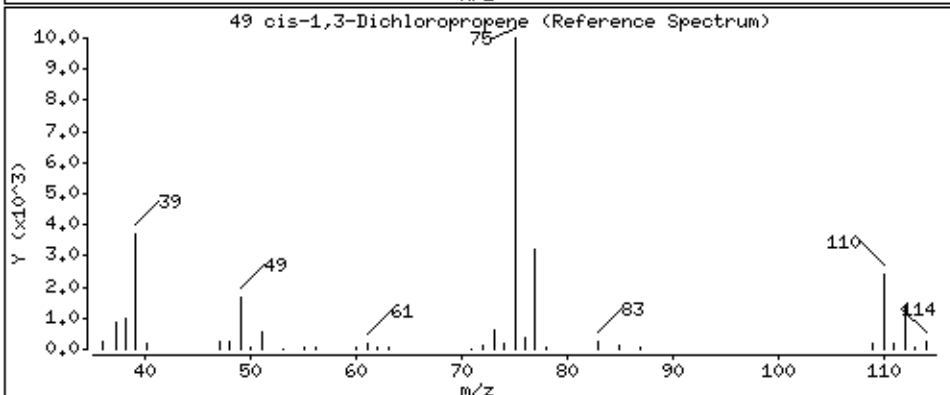
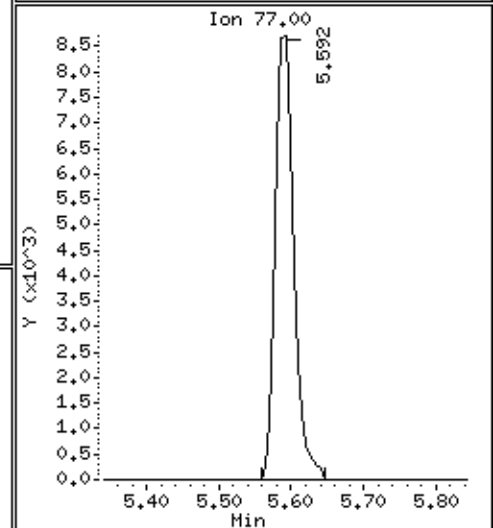
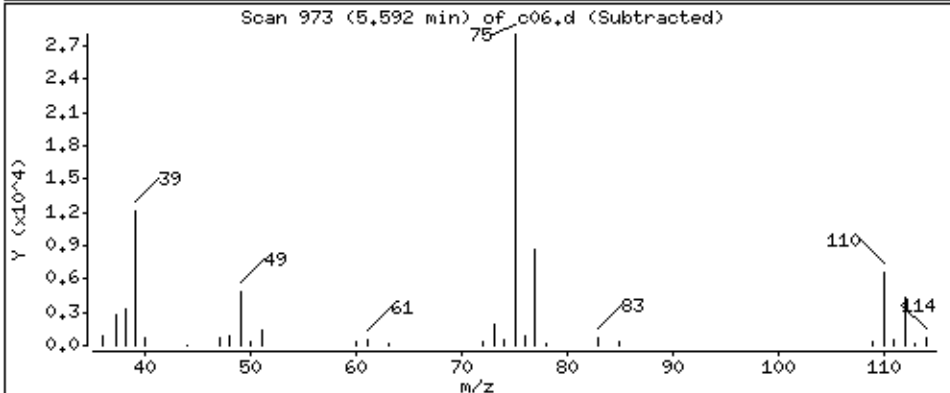
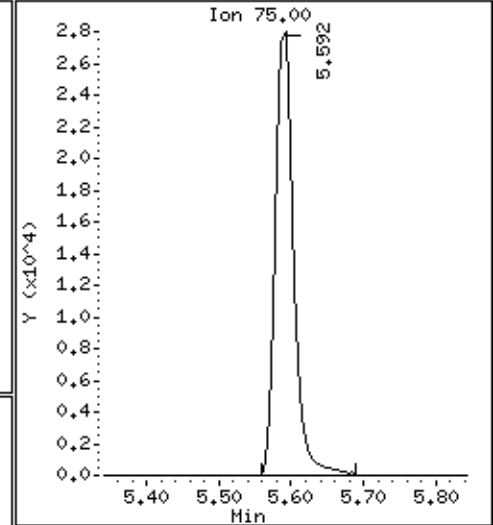
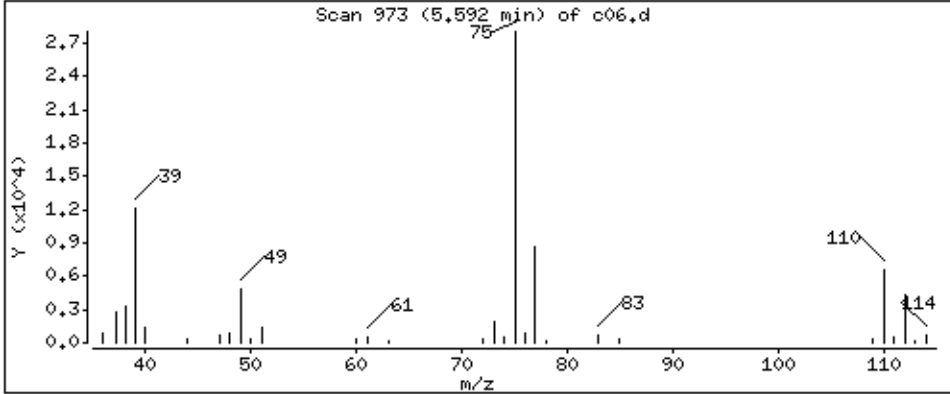
Operator: ala

Column phase: DB-624

Column diameter: 0,18

49 cis-1,3-Dichloropropene

Concentration: 58,0 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

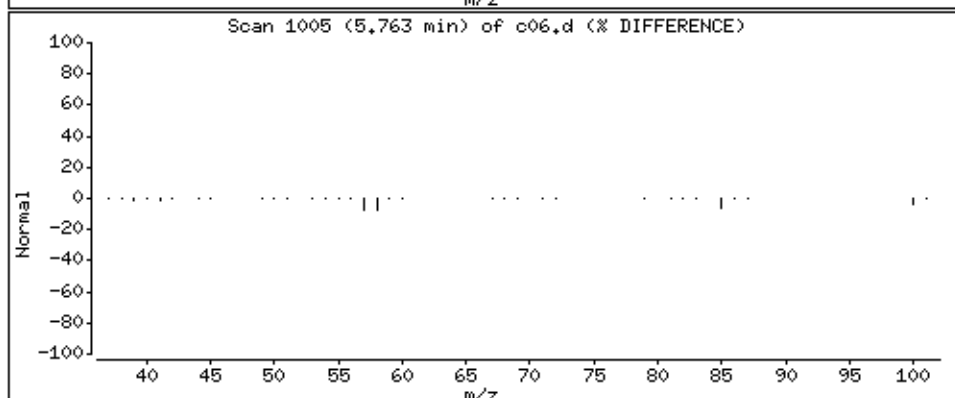
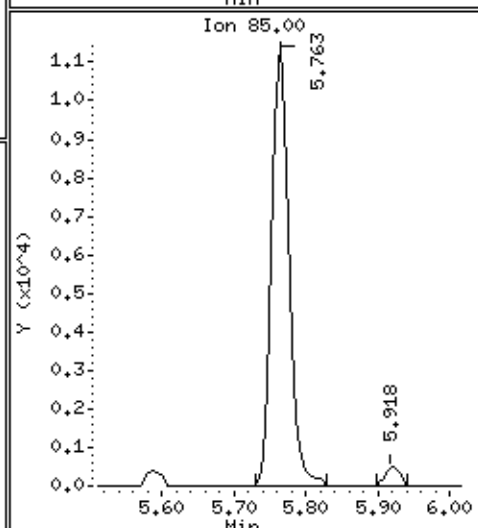
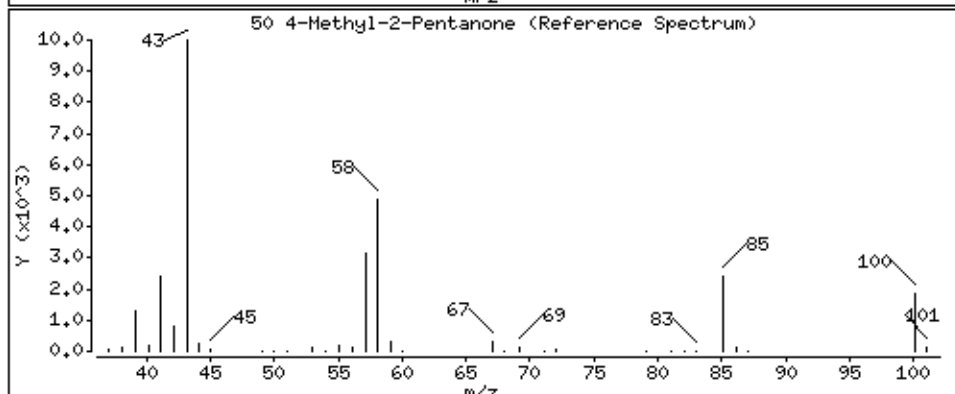
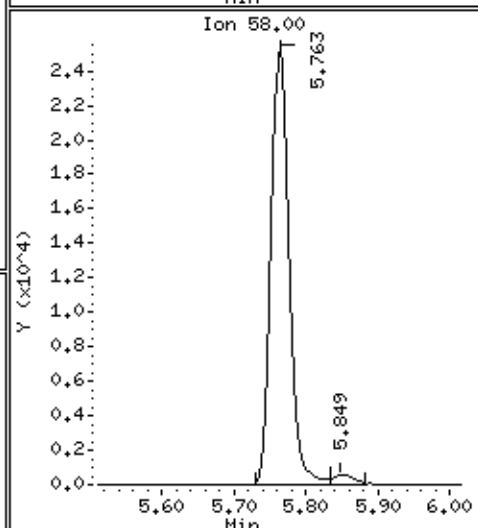
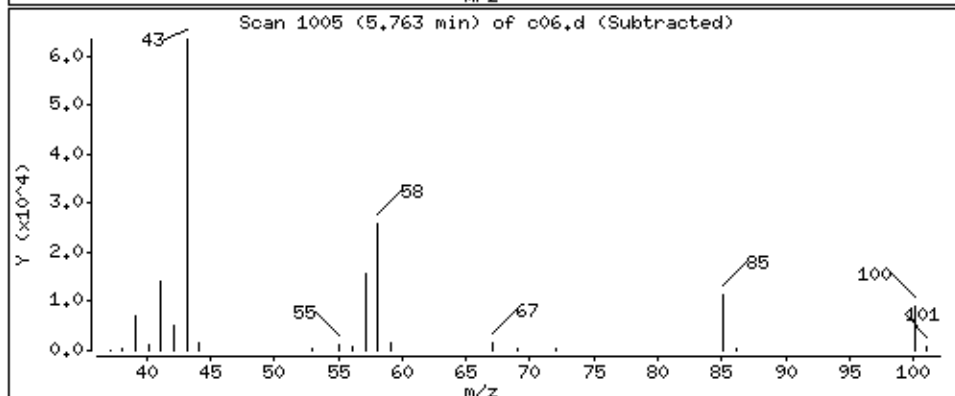
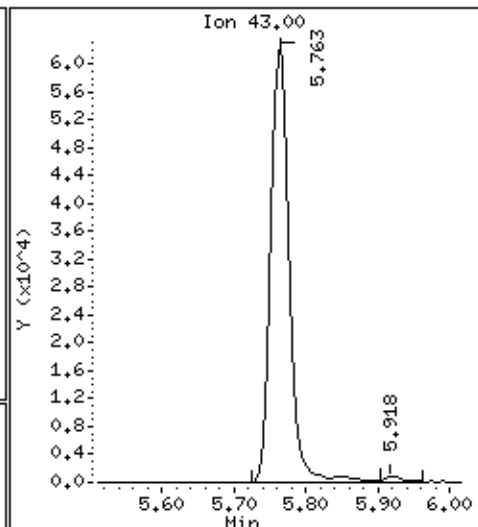
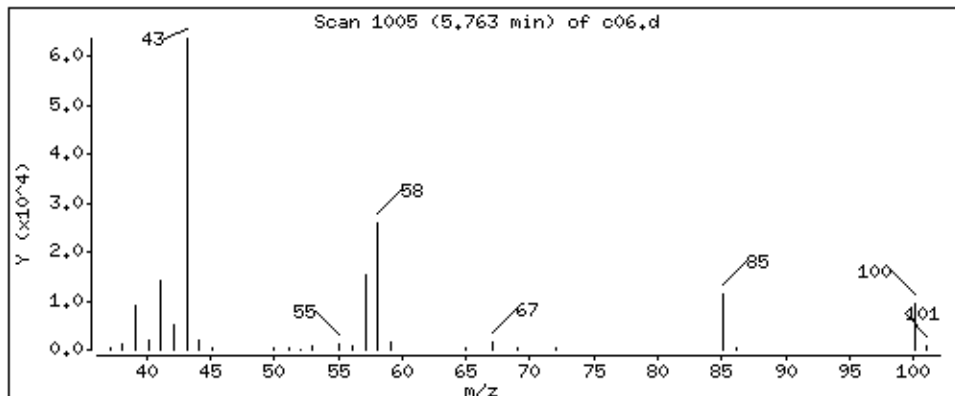
Operator: ala

Column phase: DB-624

Column diameter: 0,18

50 4-Methyl-2-Pentanone

Concentration: 248 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

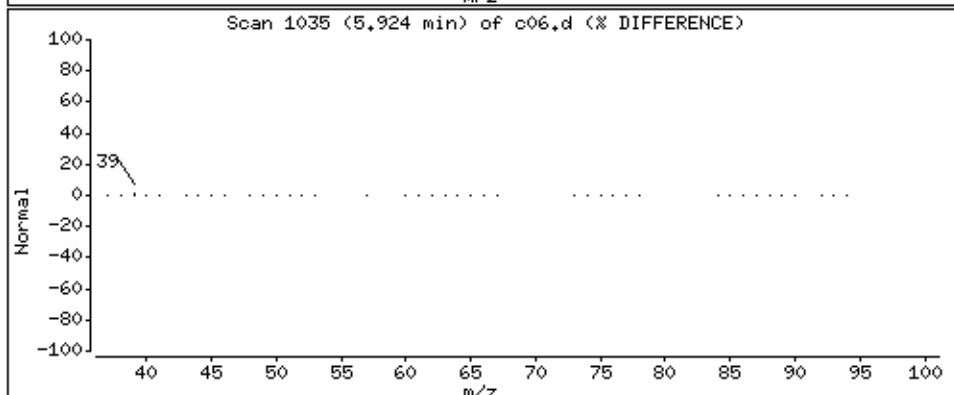
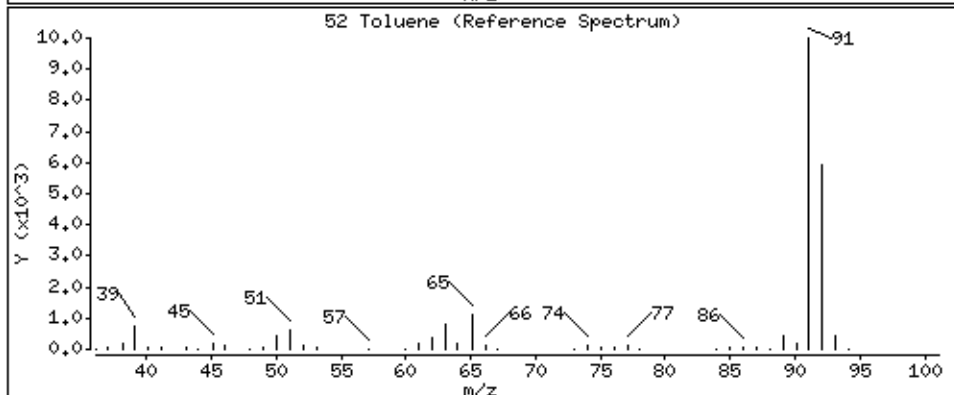
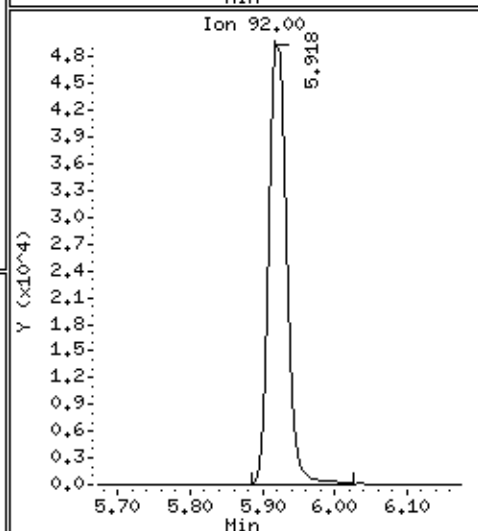
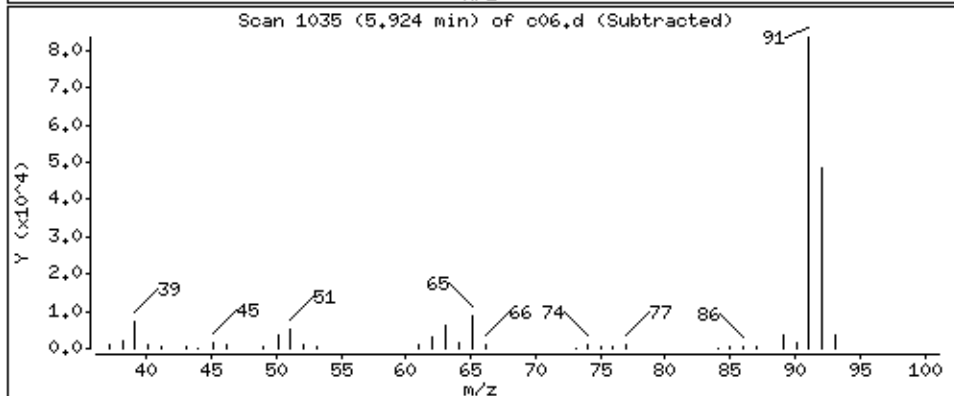
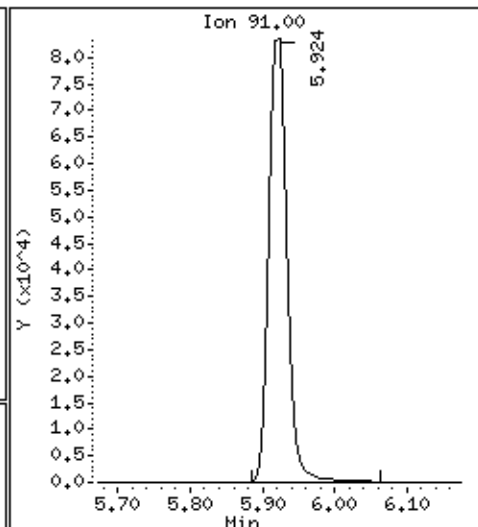
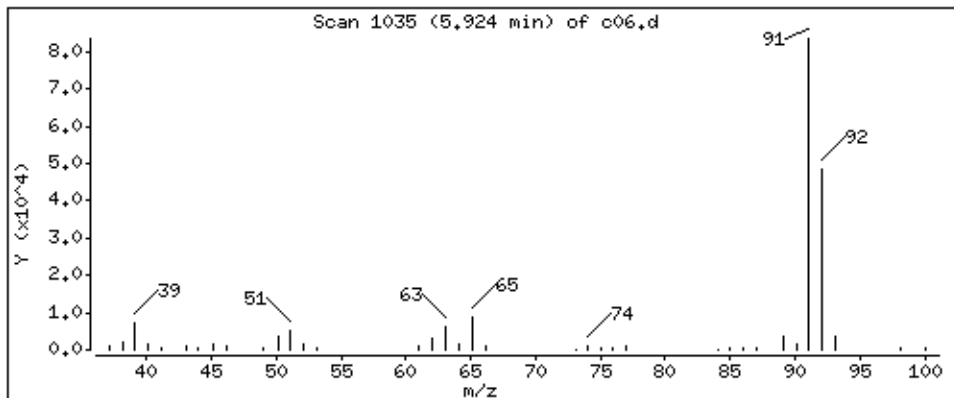
Operator: ala

Column phase: DB-624

Column diameter: 0,18

52 Toluene

Concentration: 61.2 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

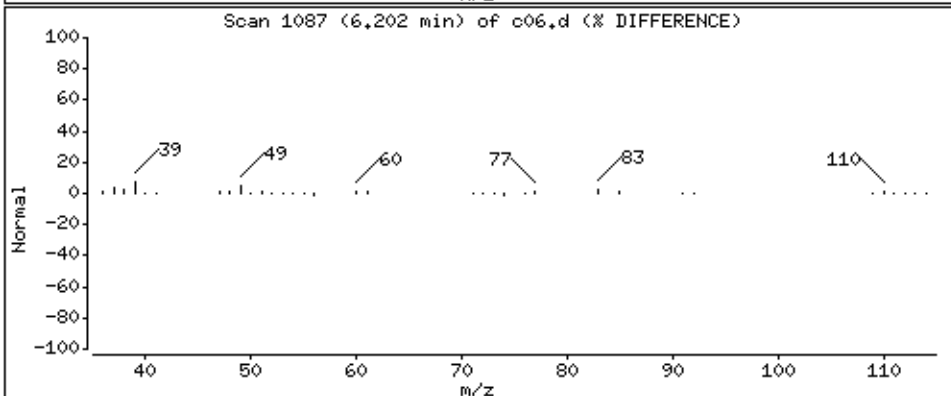
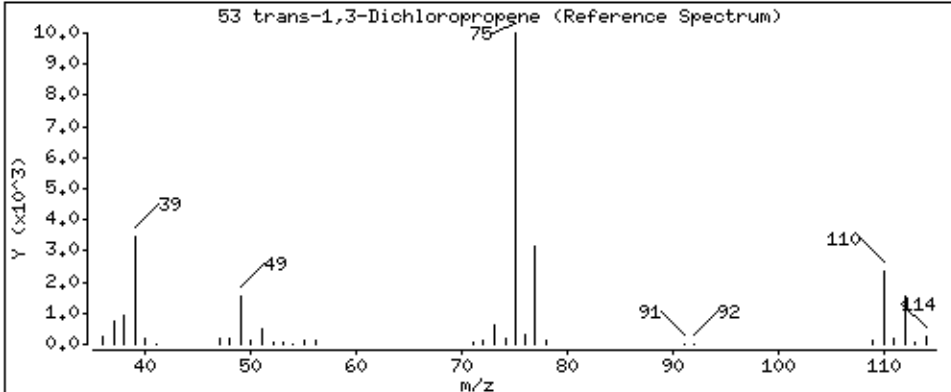
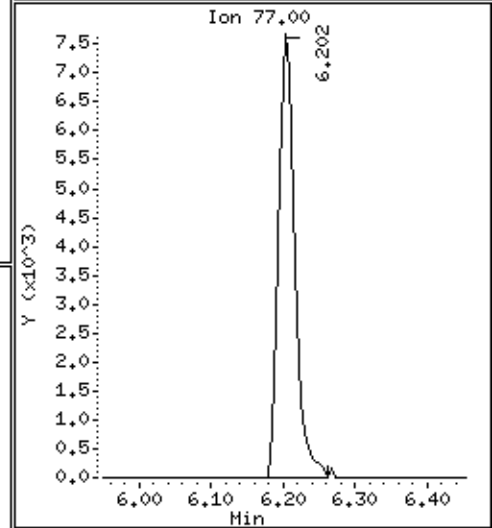
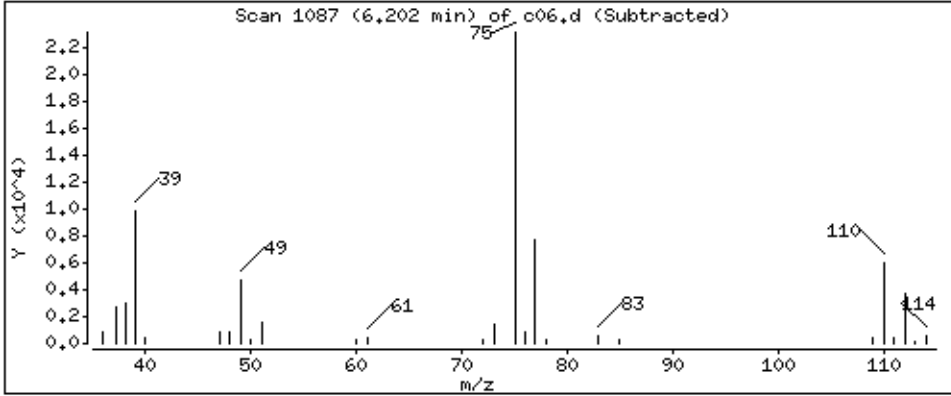
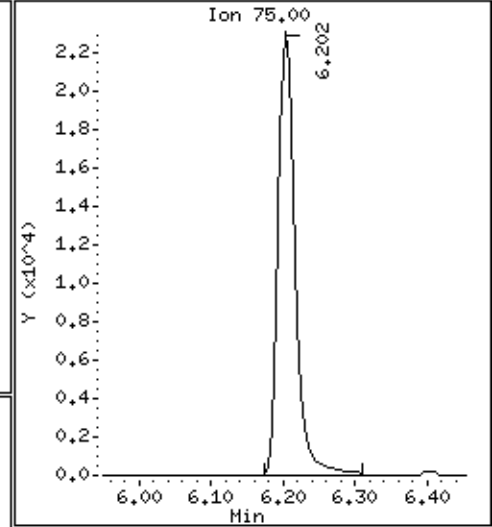
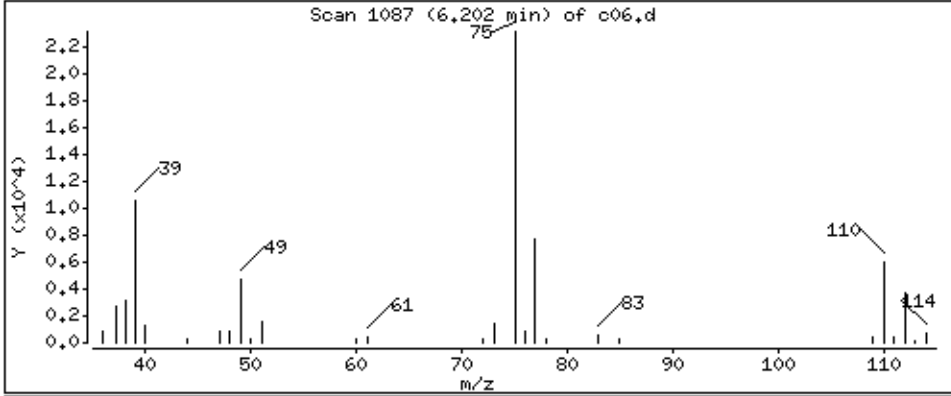
Operator: ala

Column phase: DB-624

Column diameter: 0,18

53 trans-1,3-Dichloropropene

Concentration: 46,3 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

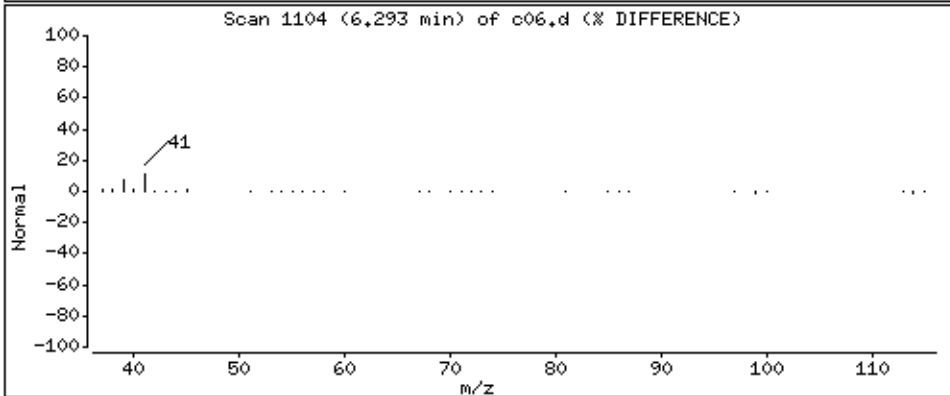
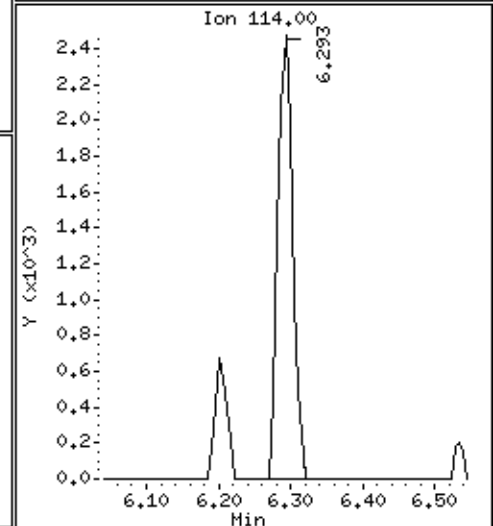
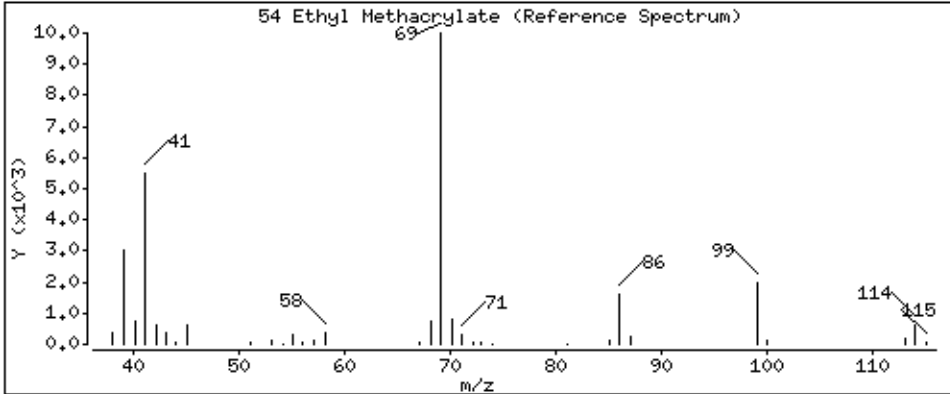
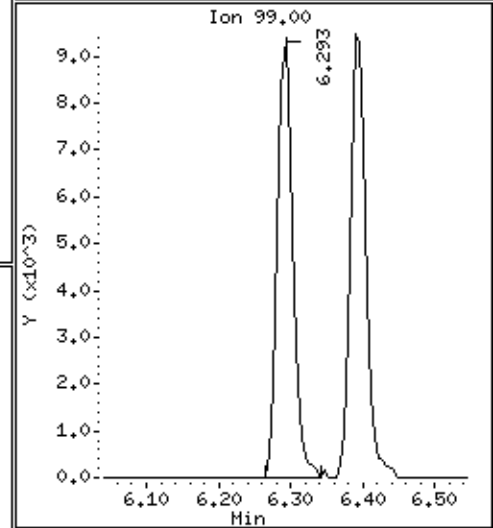
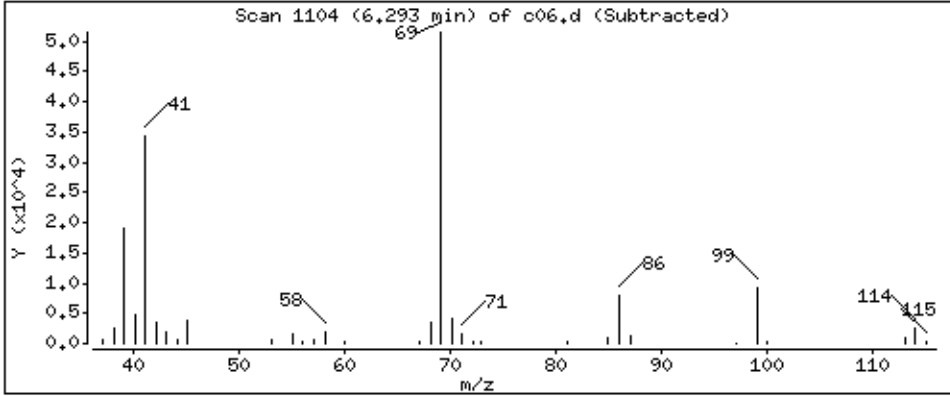
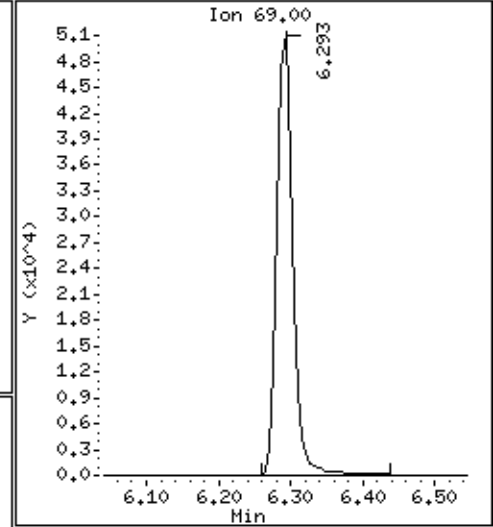
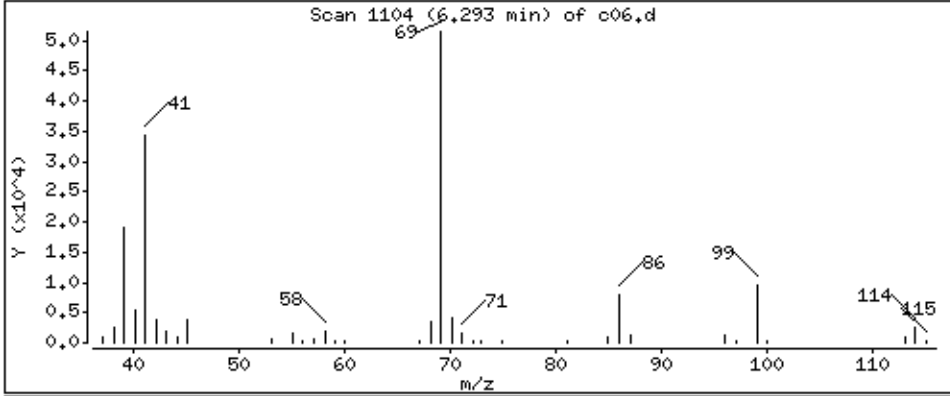
Operator: ala

Column phase: DB-624

Column diameter: 0,18

54 Ethyl Methacrylate

Concentration: 123 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

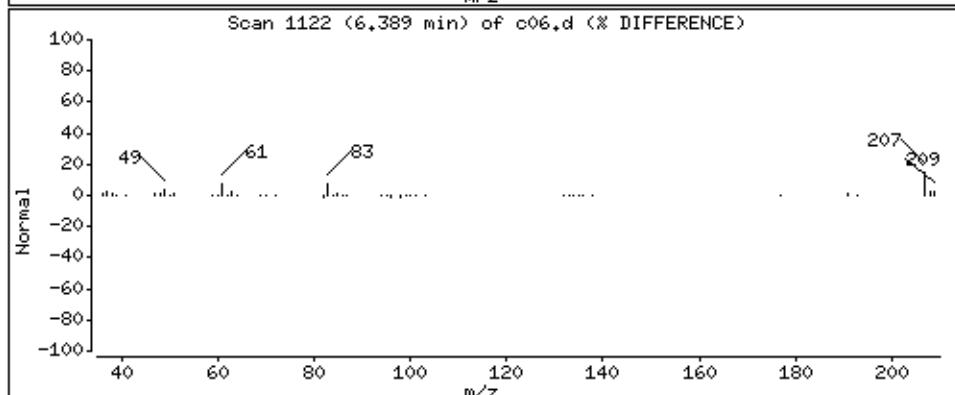
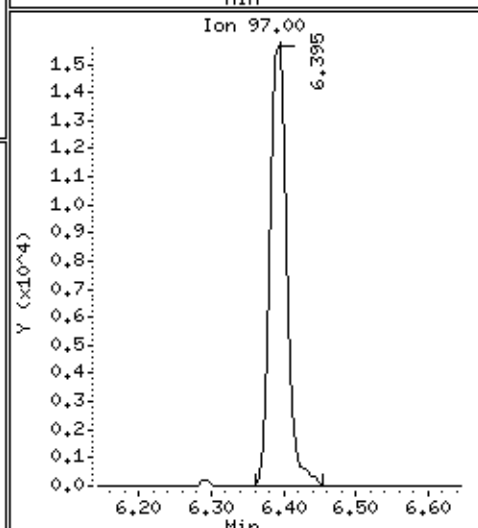
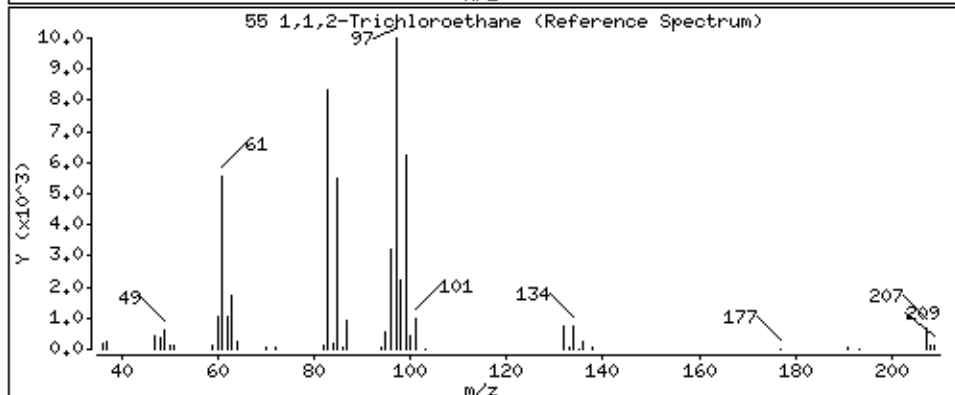
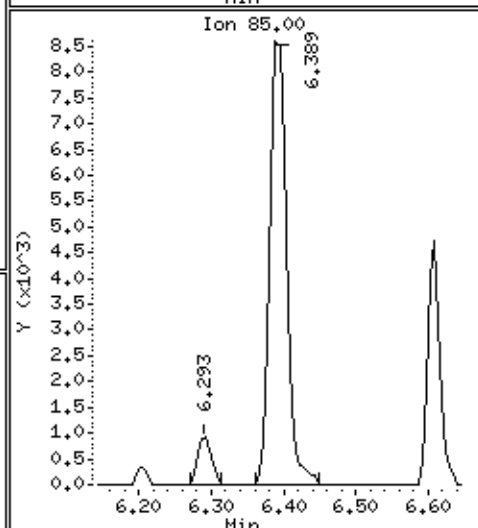
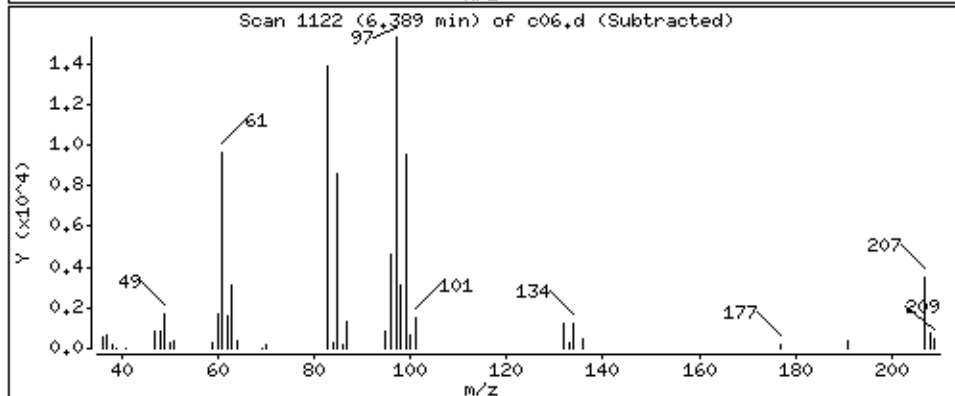
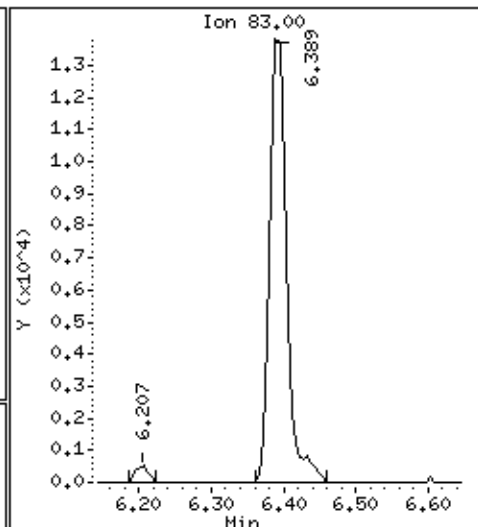
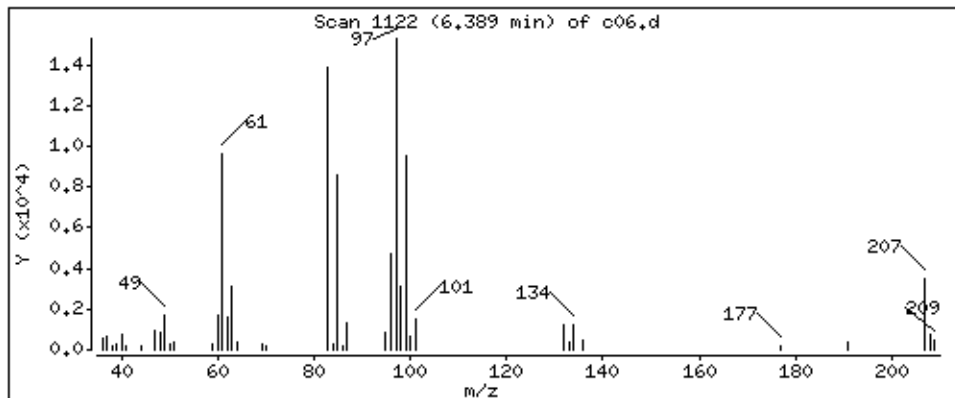
Operator: ala

Column phase: DB-624

Column diameter: 0,18

55 1,1,2-Trichloroethane

Concentration: 56,4 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)HSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

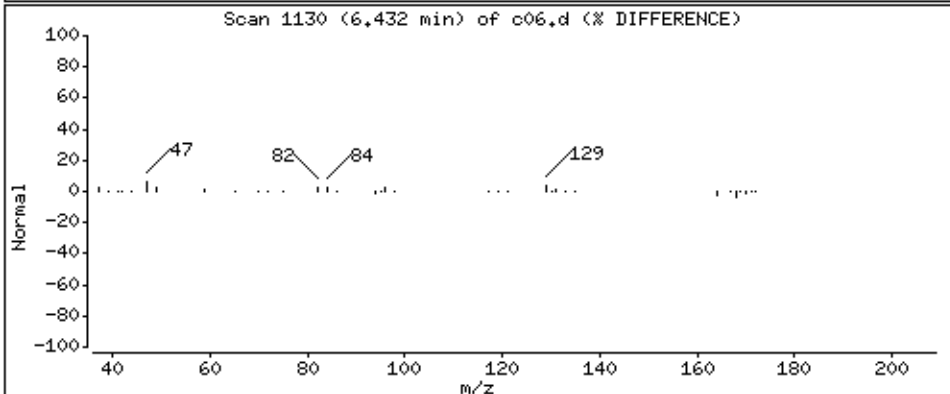
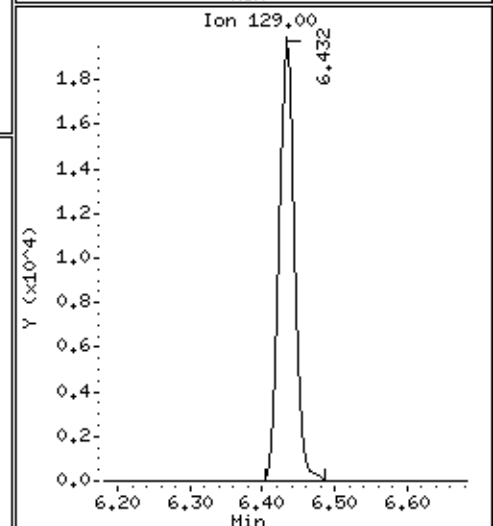
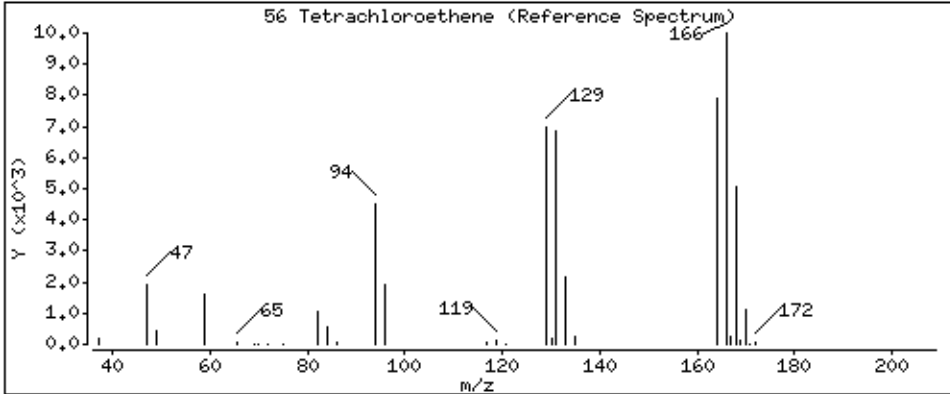
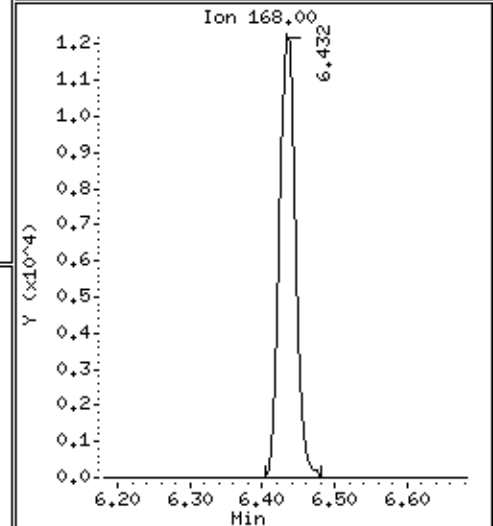
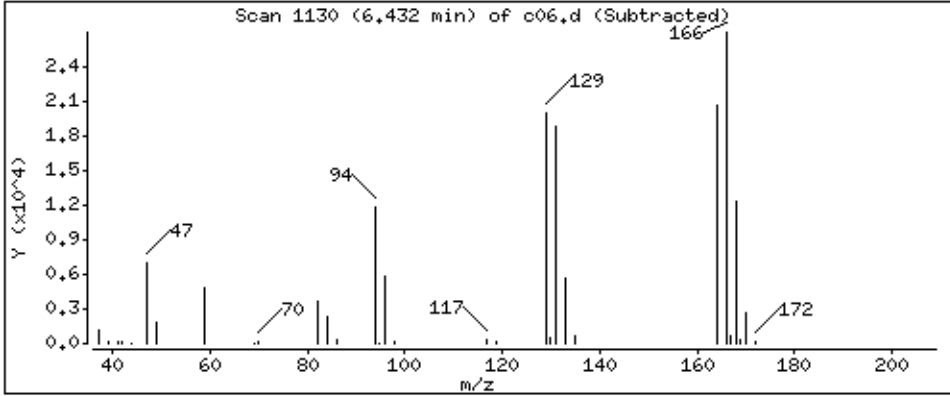
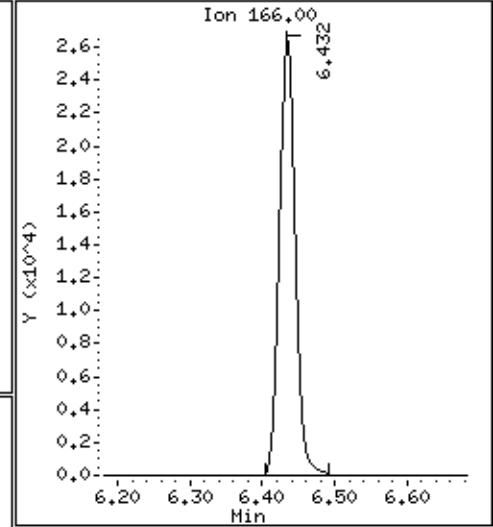
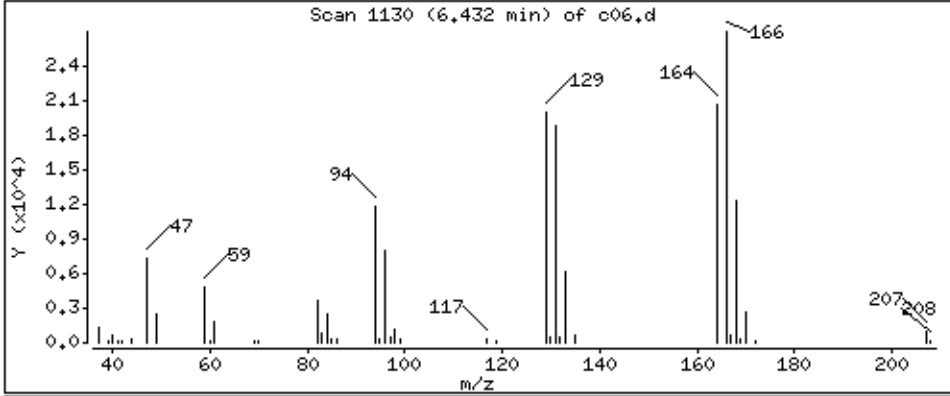
Operator: ala

Column phase: DB-624

Column diameter: 0,18

56 Tetrachloroethene

Concentration: 61.4 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

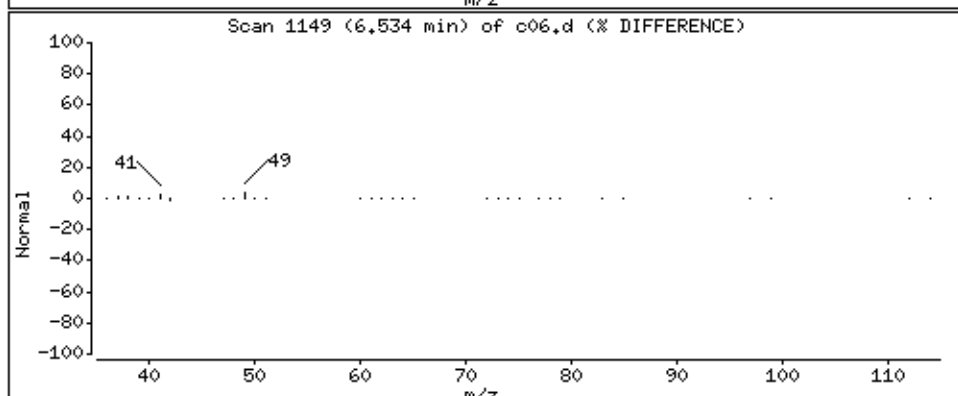
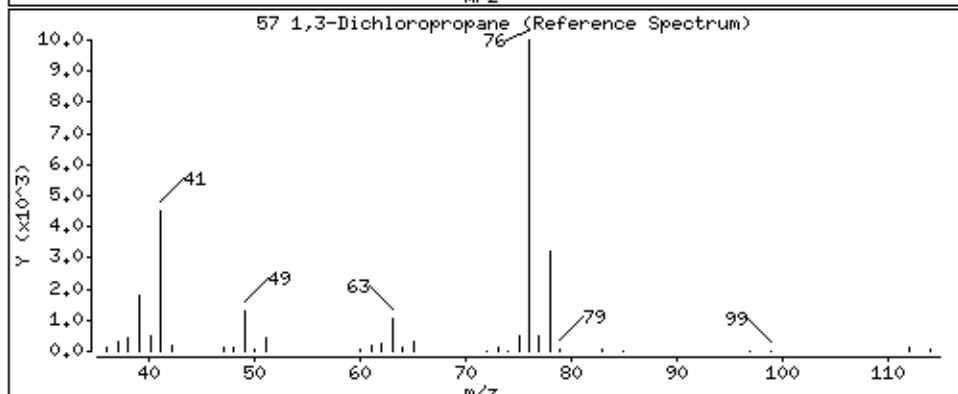
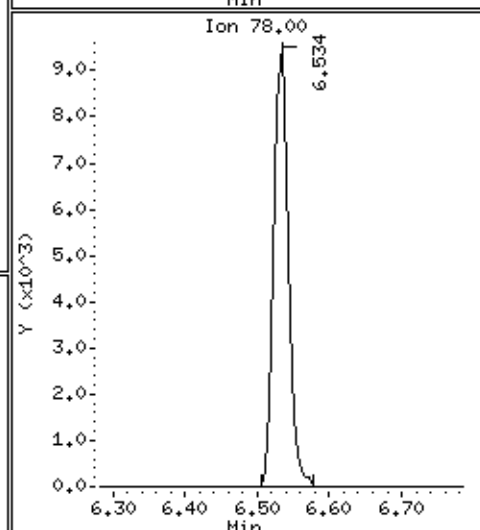
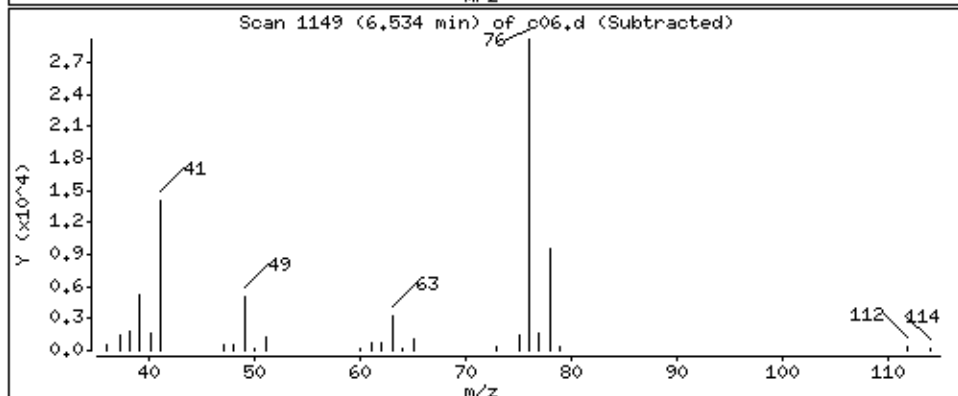
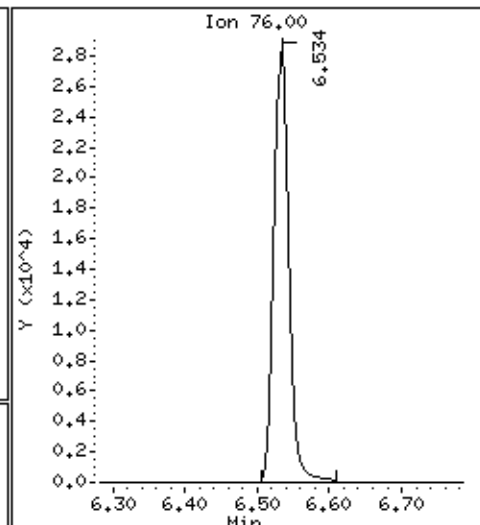
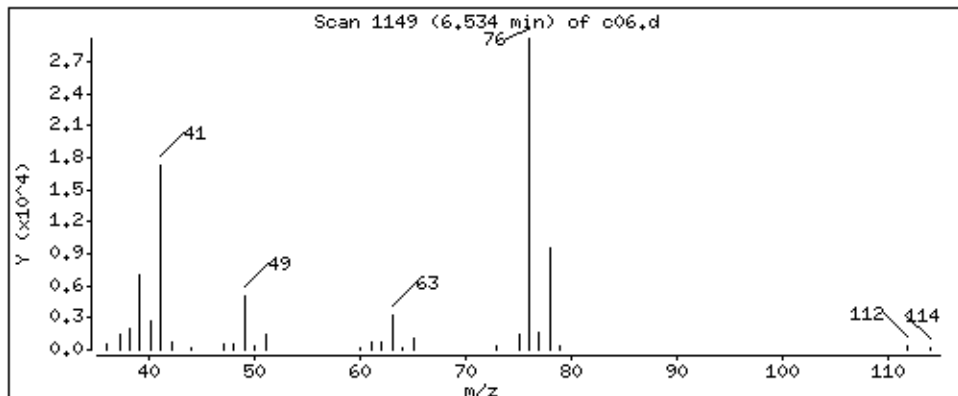
Operator: ala

Column phase: DB-624

Column diameter: 0,18

57 1,3-Dichloropropane

Concentration: 57,4 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

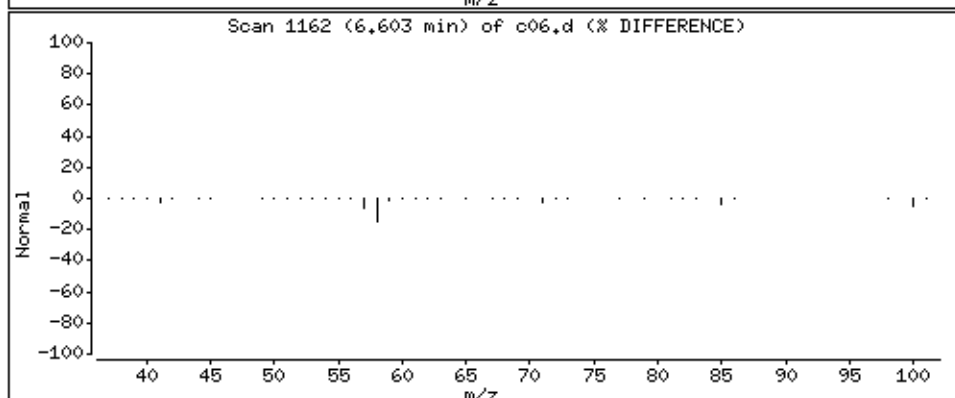
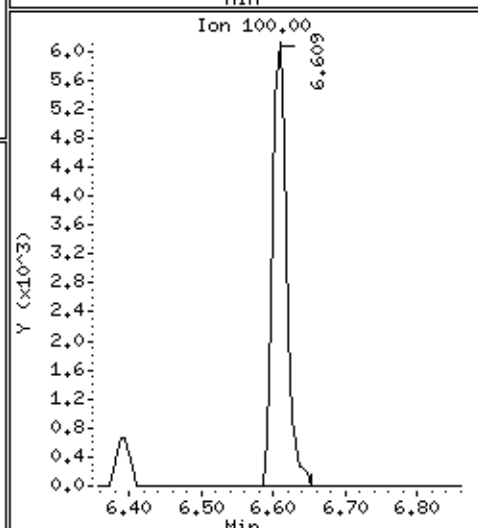
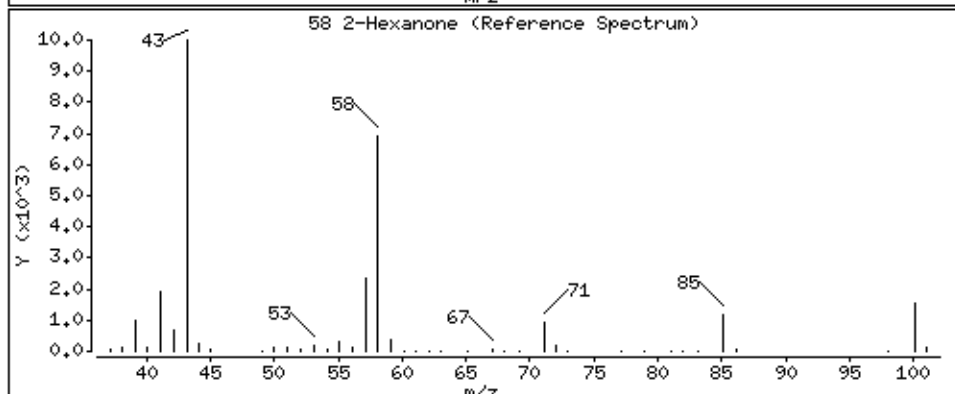
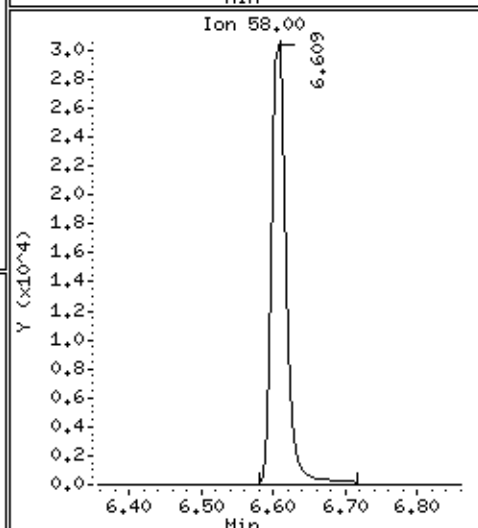
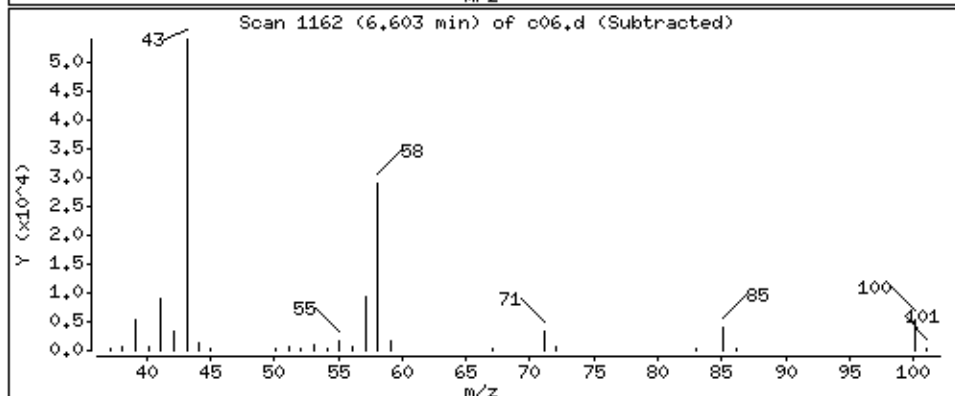
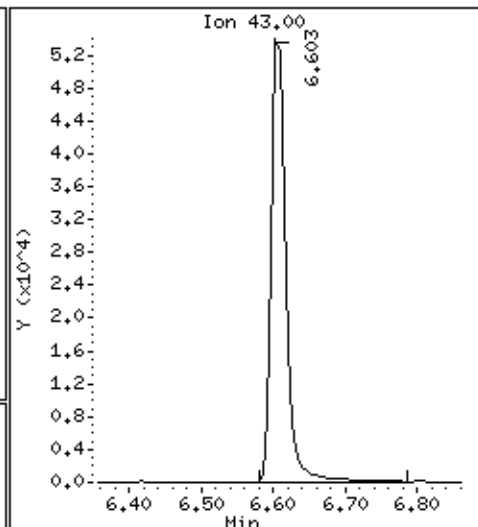
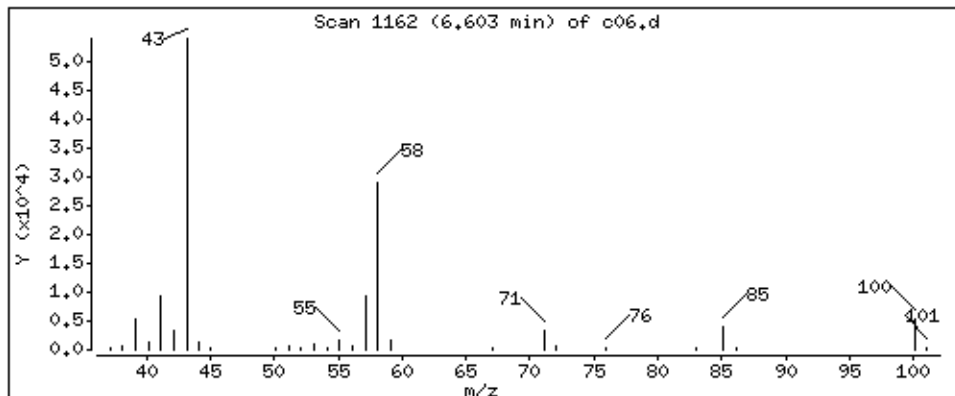
Operator: ala

Column phase: DB-624

Column diameter: 0,18

58 2-Hexanone

Concentration: 234 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730;5

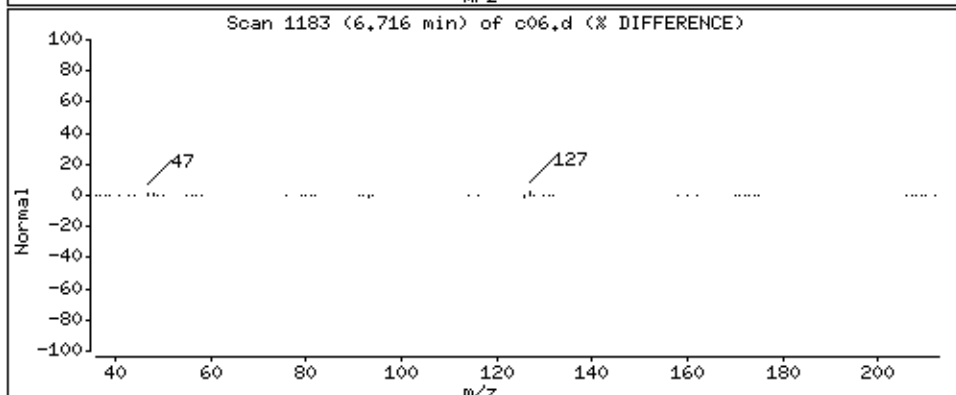
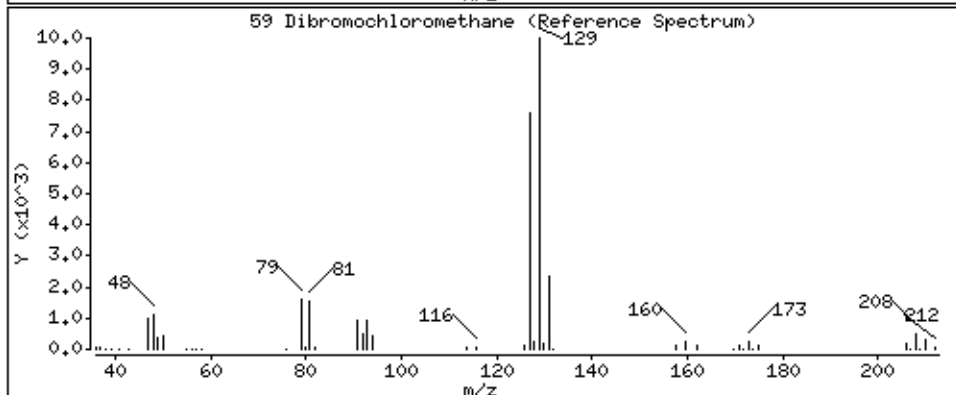
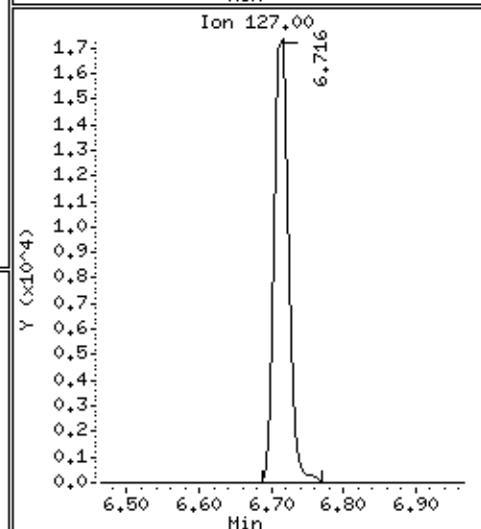
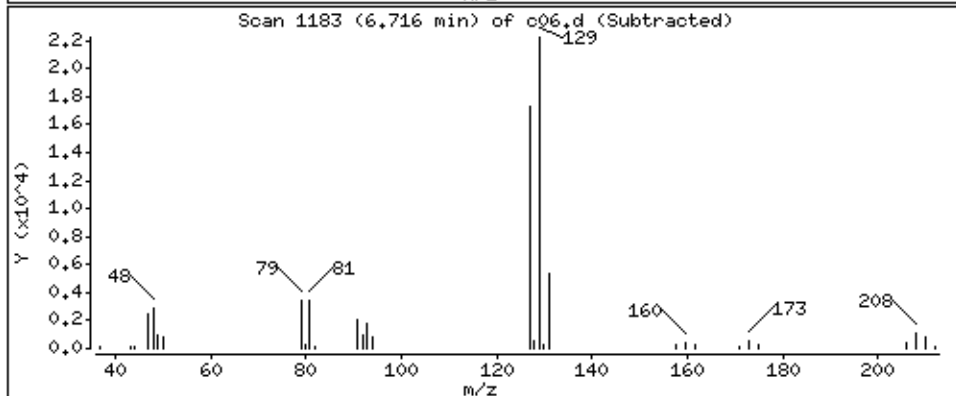
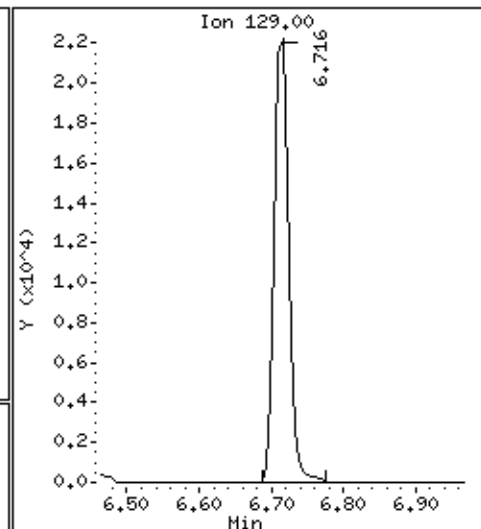
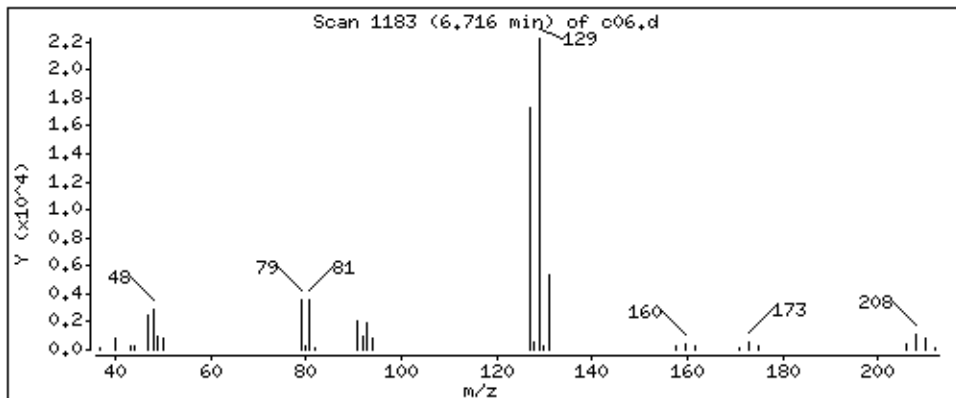
Operator: ala

Column phase: DB-624

Column diameter: 0,18

59 Dibromochloromethane

Concentration: 54,6 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

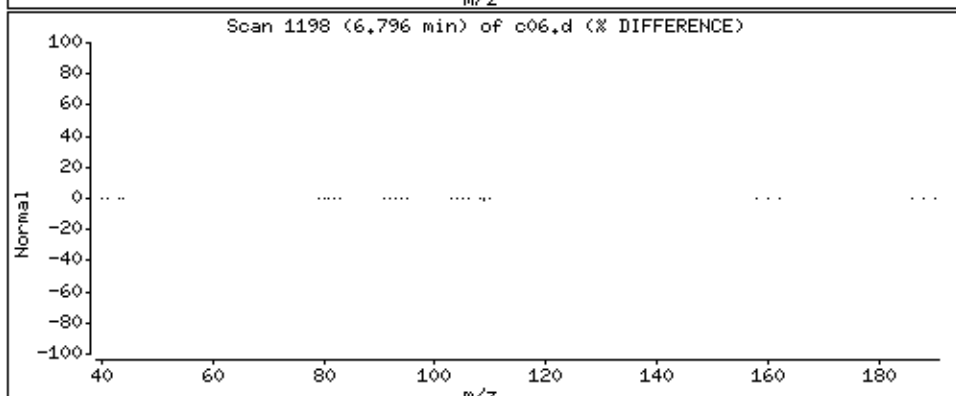
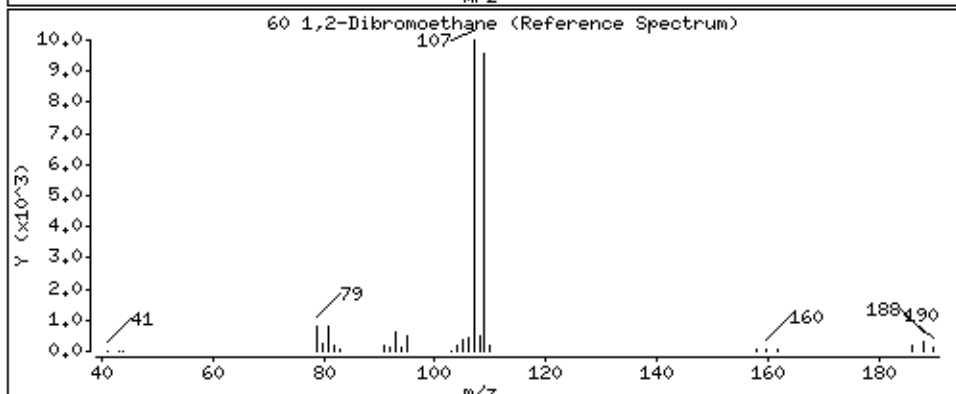
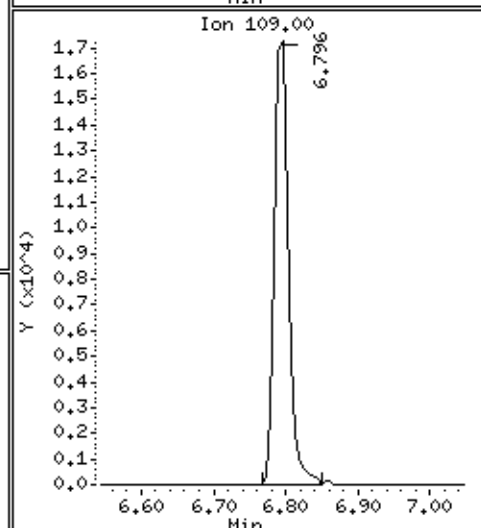
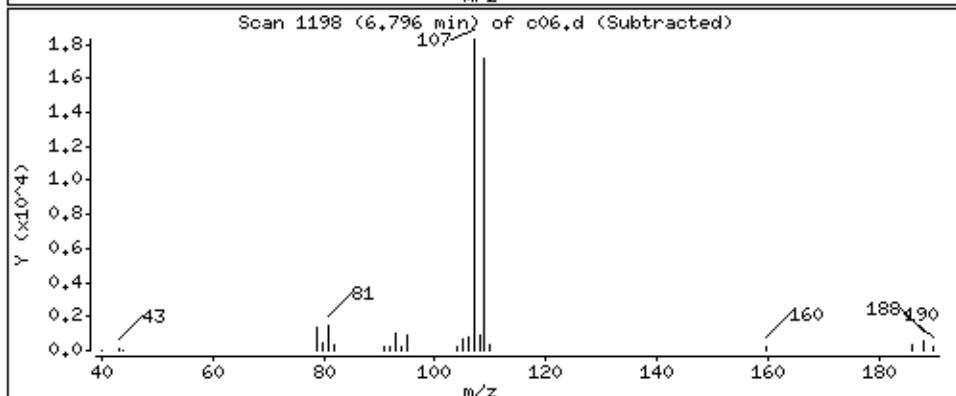
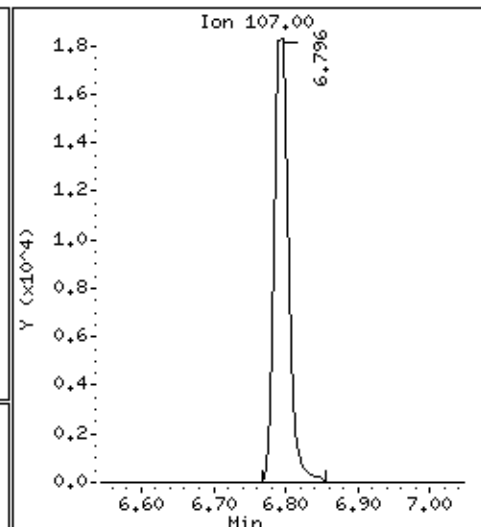
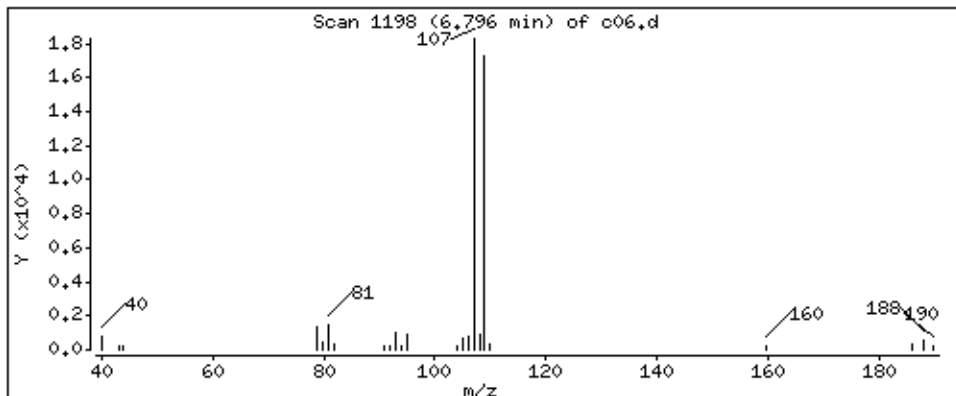
Operator: ala

Column phase: DB-624

Column diameter: 0,18

60 1,2-Dibromoethane

Concentration: 48,7 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

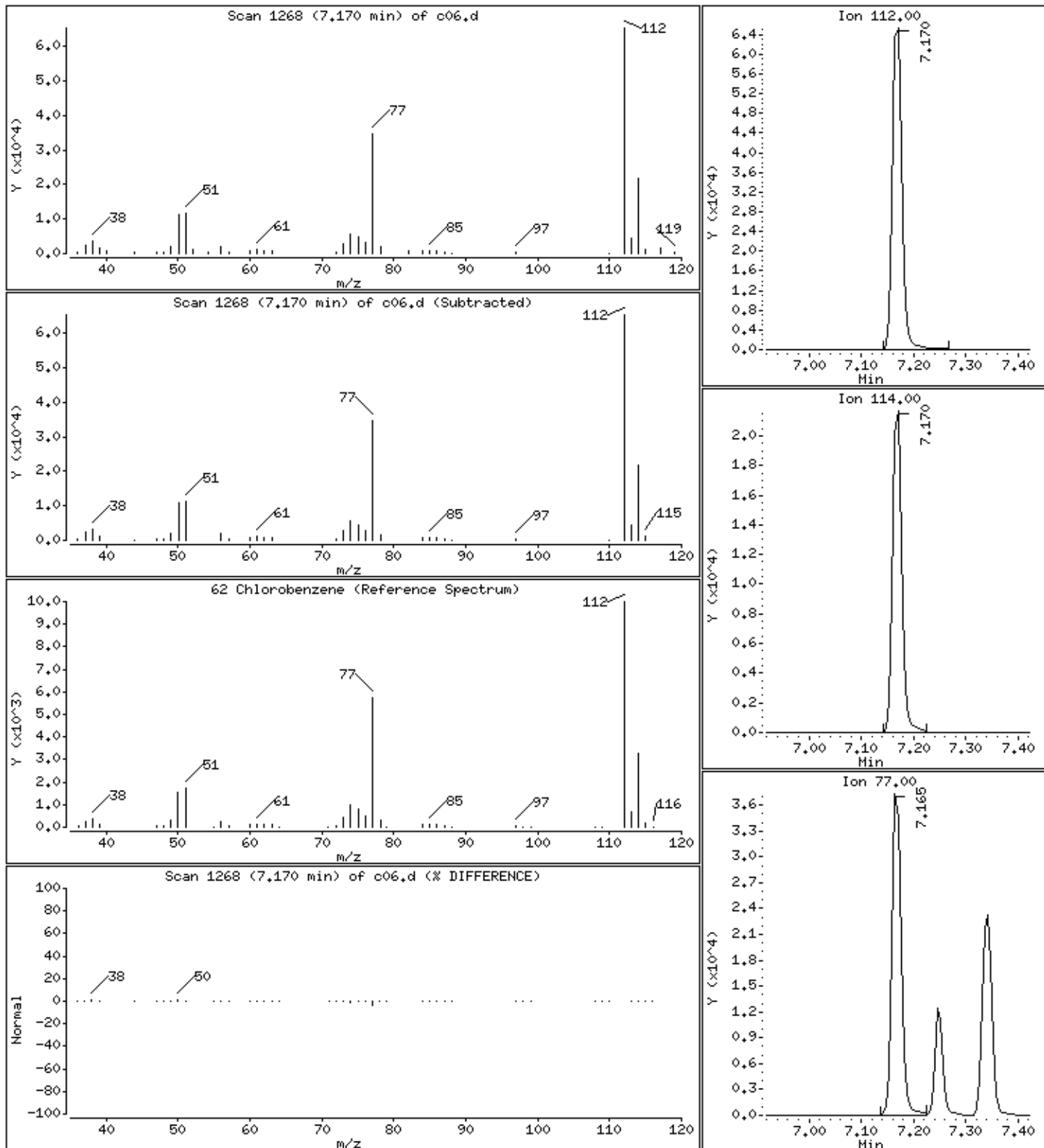
Operator: ala

Column phase: DB-624

Column diameter: 0,18

62 Chlorobenzene

Concentration: 54,5 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

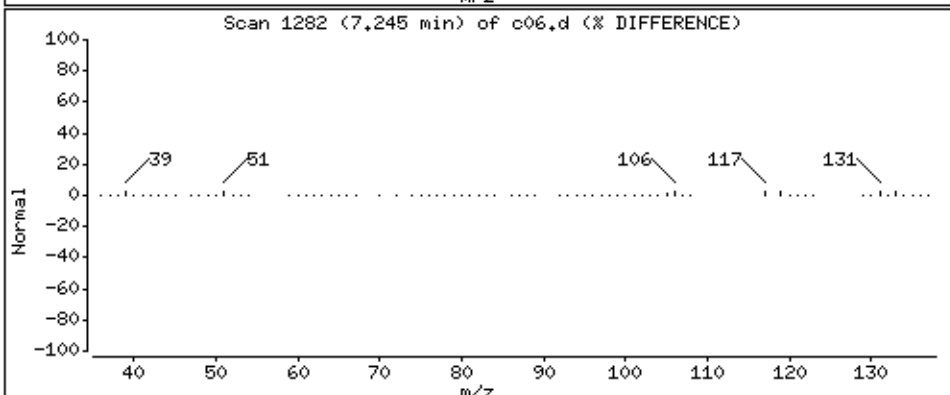
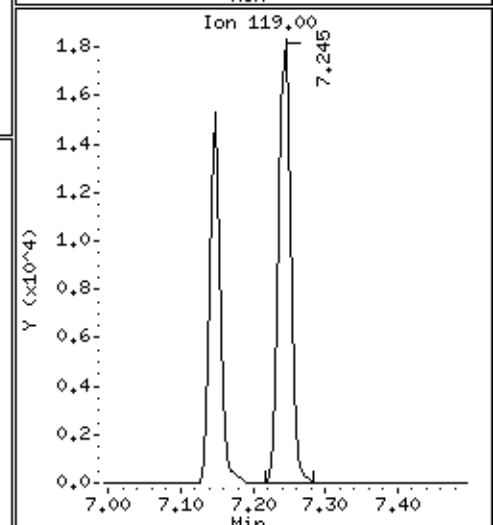
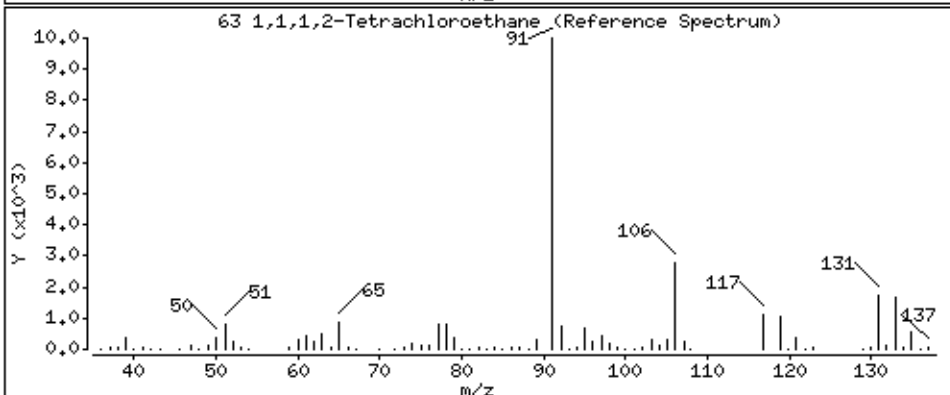
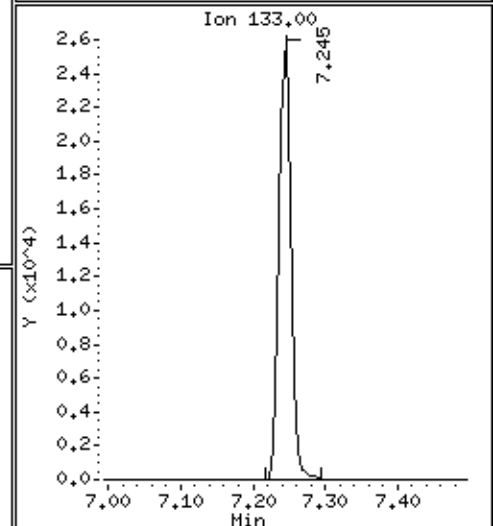
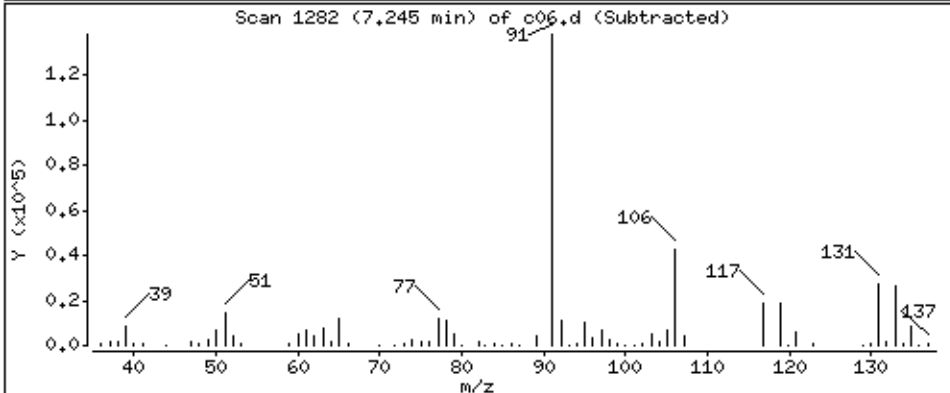
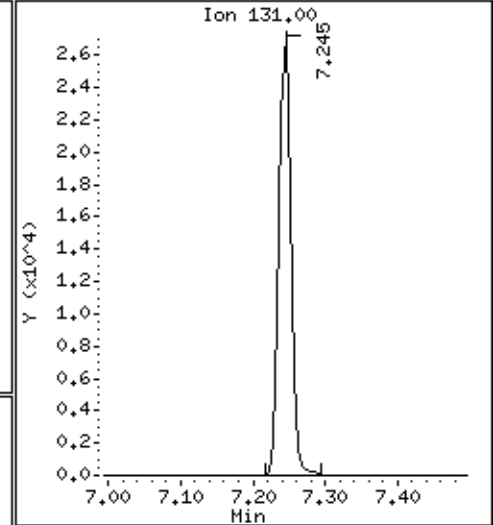
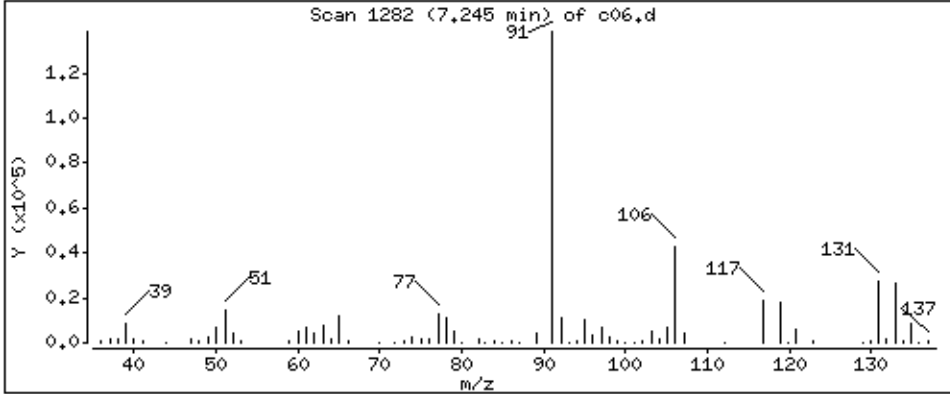
Operator: ala

Column phase: DB-624

Column diameter: 0,18

63 1,1,1,2-Tetrachloroethane

Concentration: 57,5 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730;5

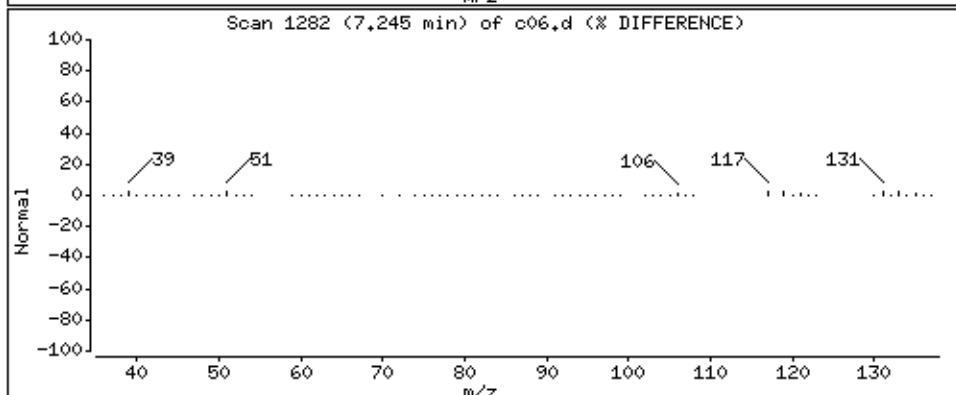
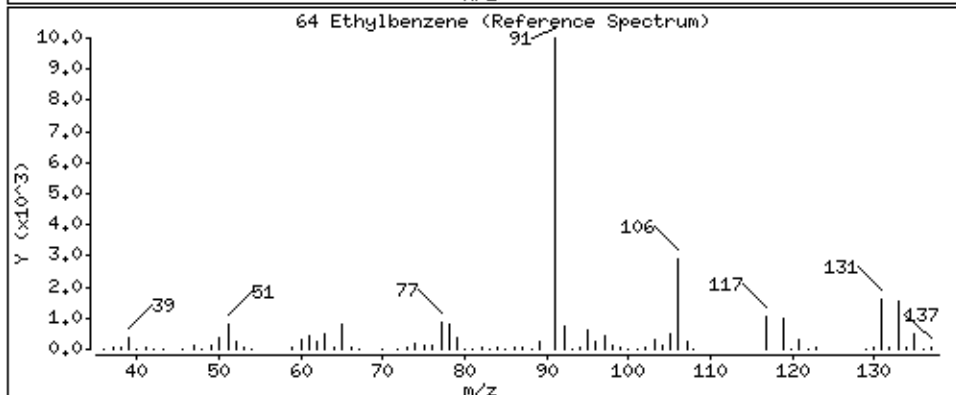
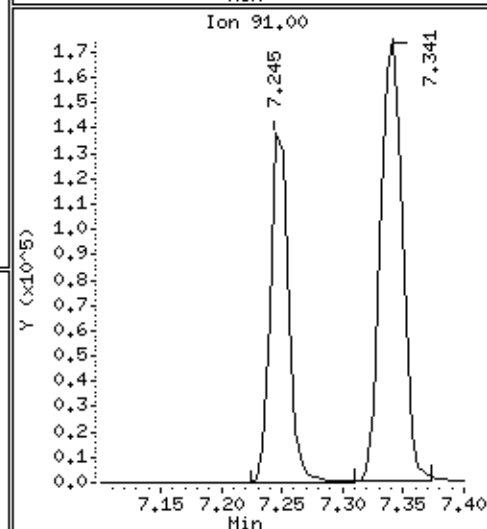
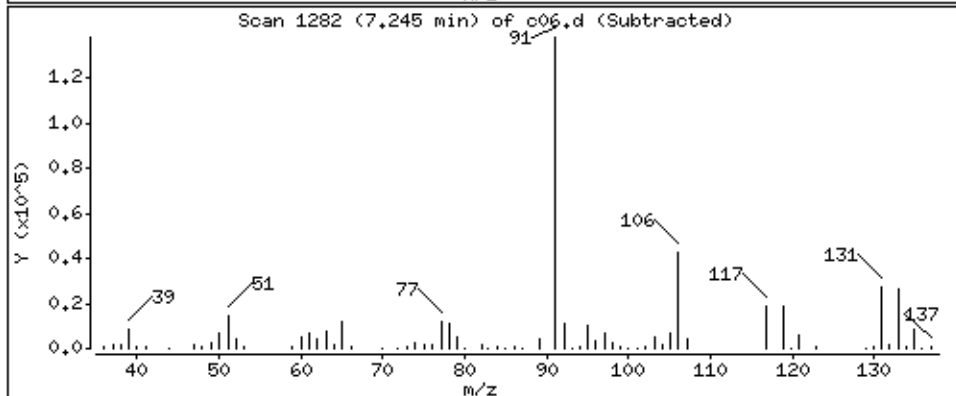
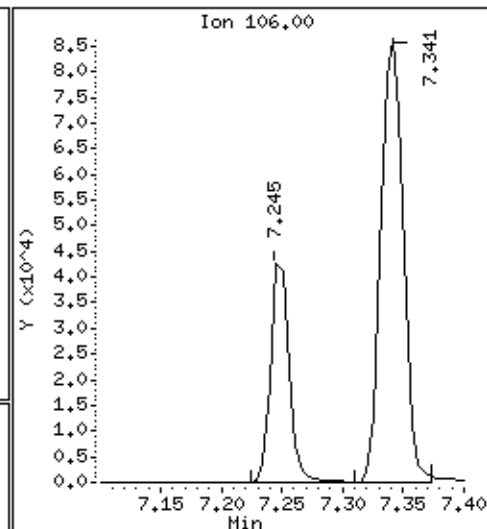
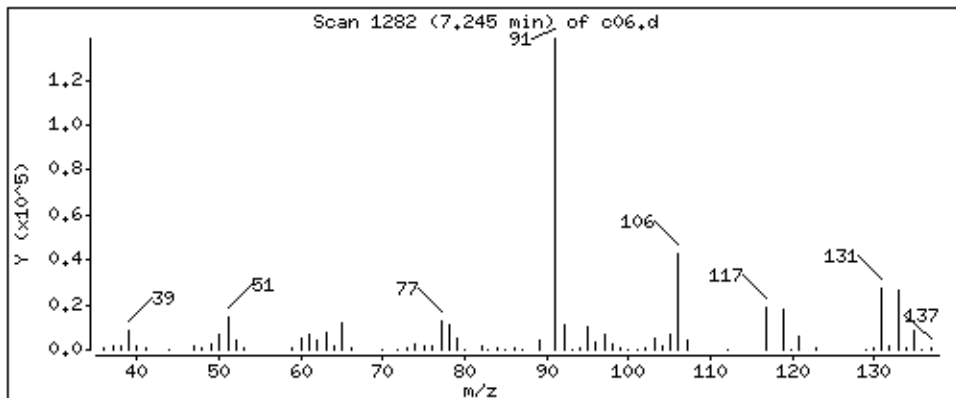
Operator: ala

Column phase: DB-624

Column diameter: 0,18

64 Ethylbenzene

Concentration: 60,4 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

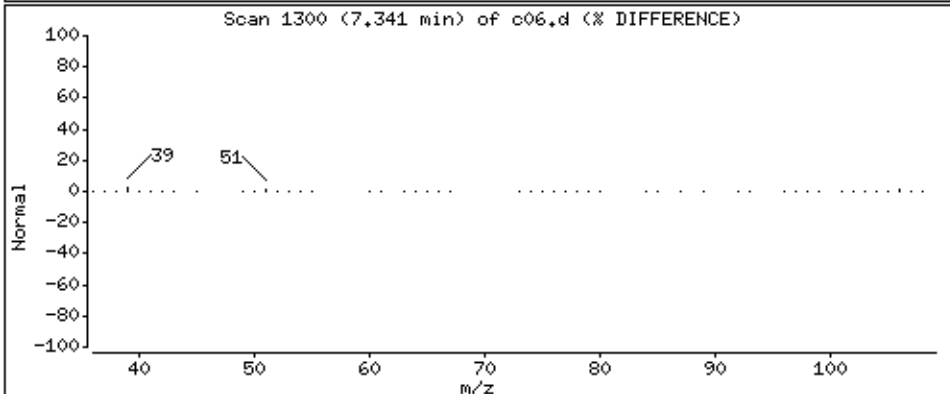
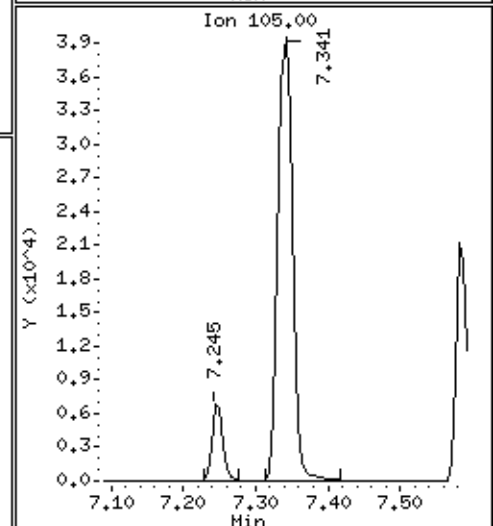
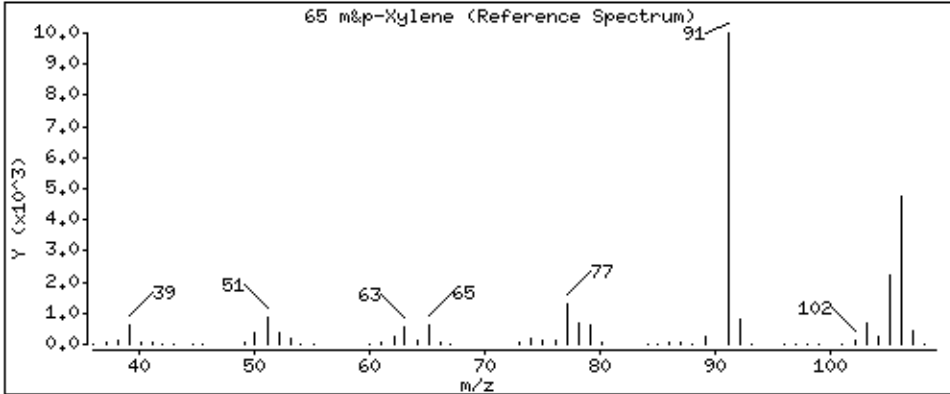
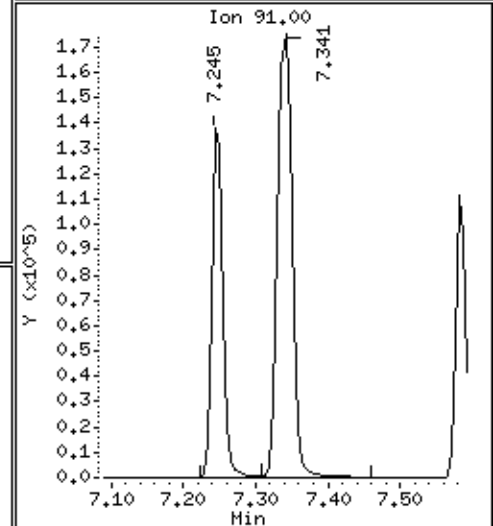
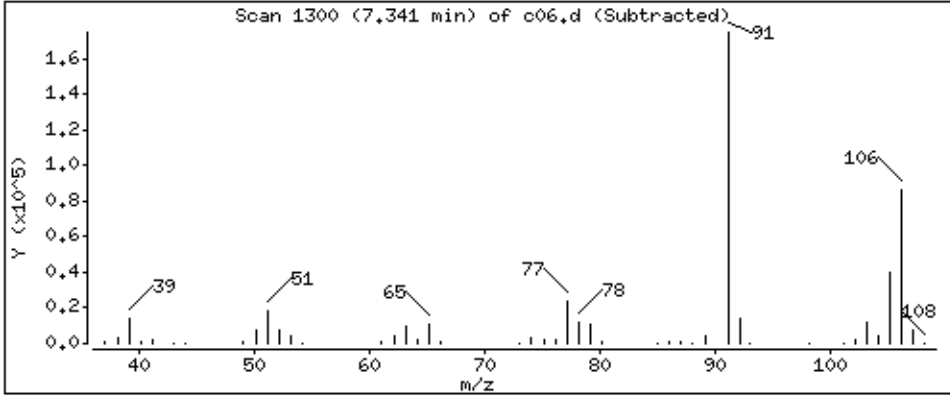
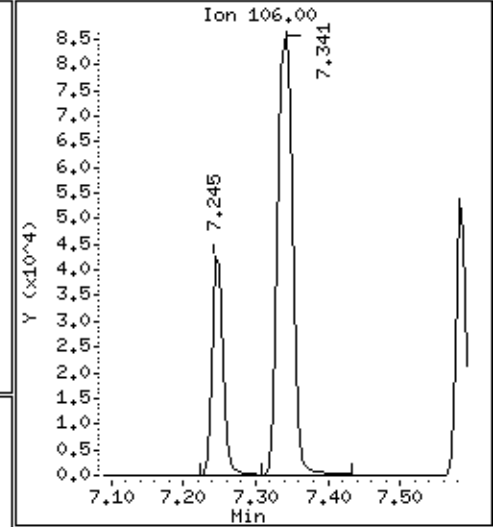
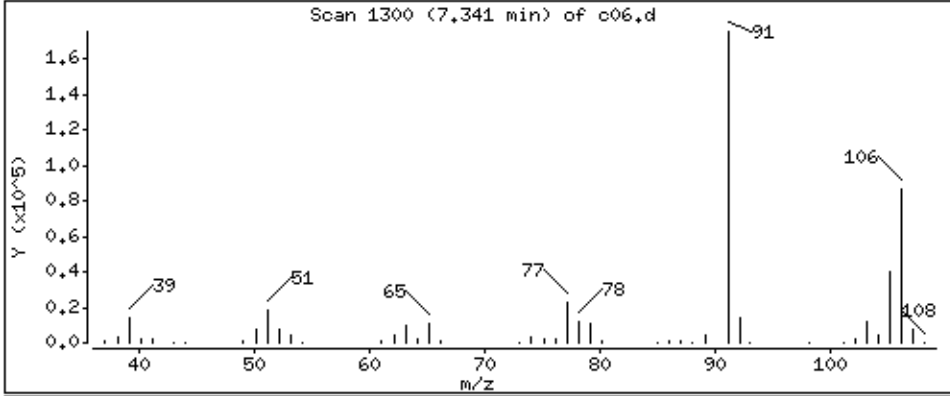
Operator: ala

Column phase: DB-624

Column diameter: 0,18

65 m&p-Xylene

Concentration: 123 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

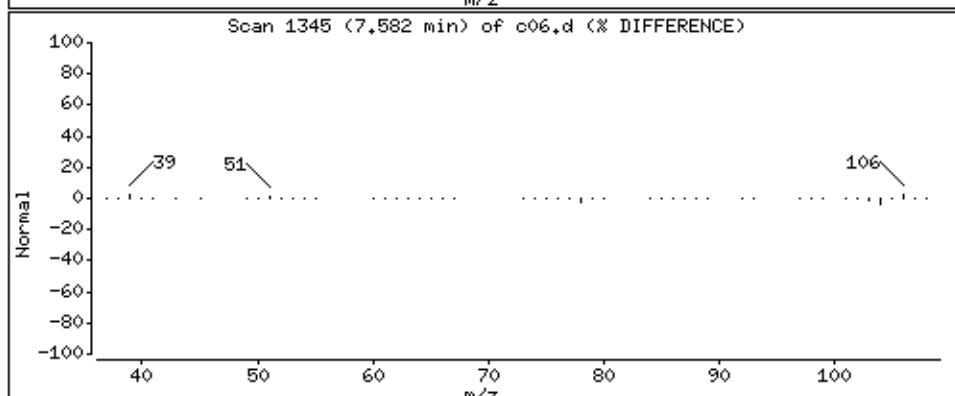
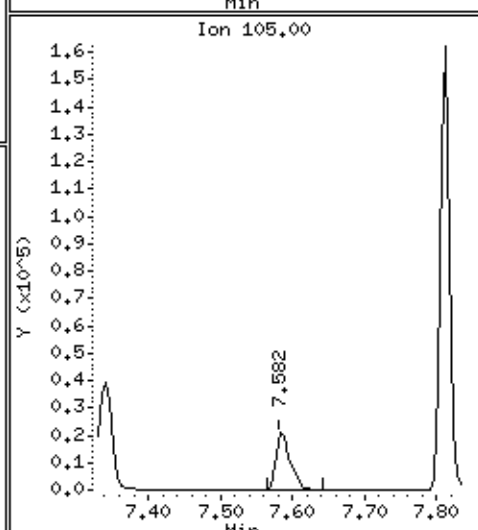
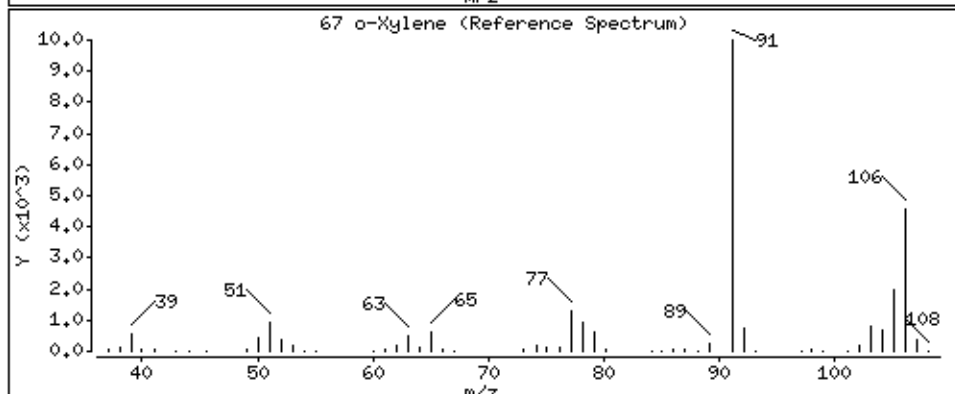
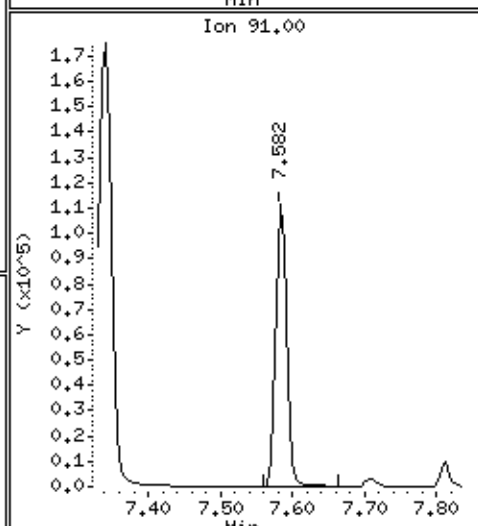
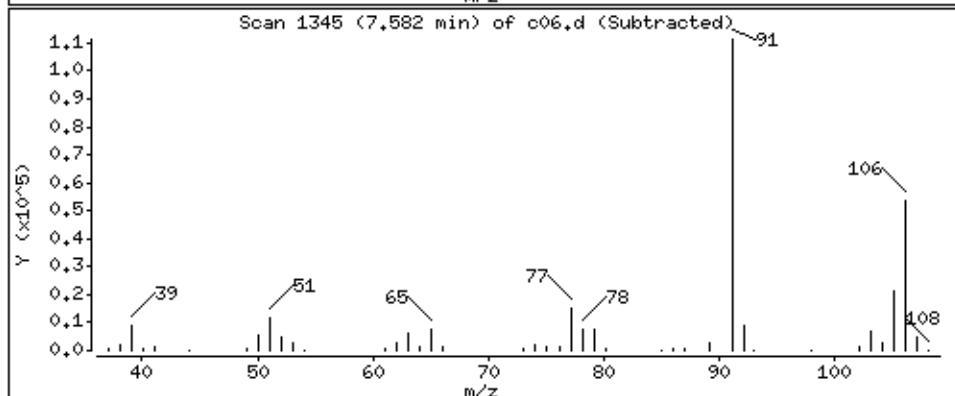
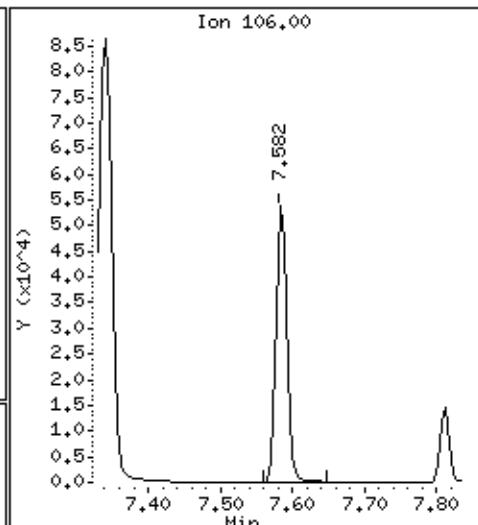
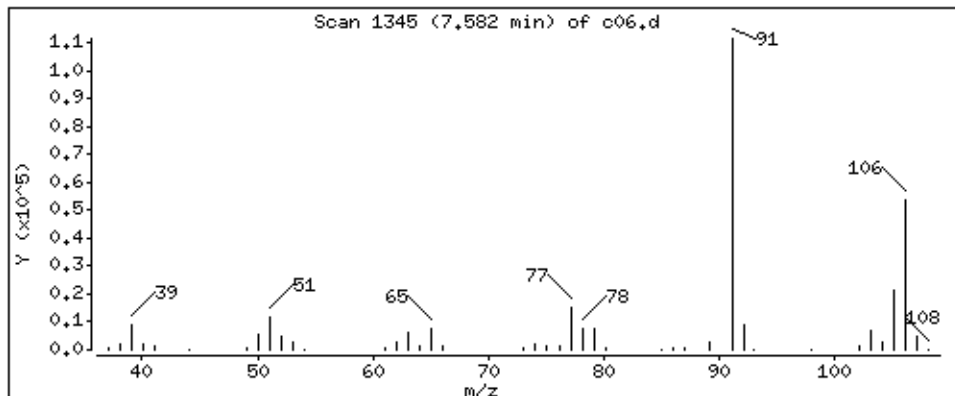
Operator: ala

Column phase: DB-624

Column diameter: 0,18

67 o-Xylene

Concentration: 61.3 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)HSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

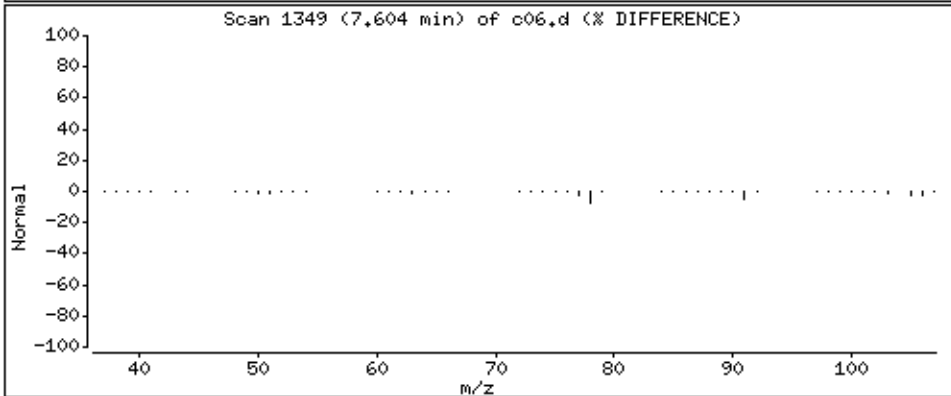
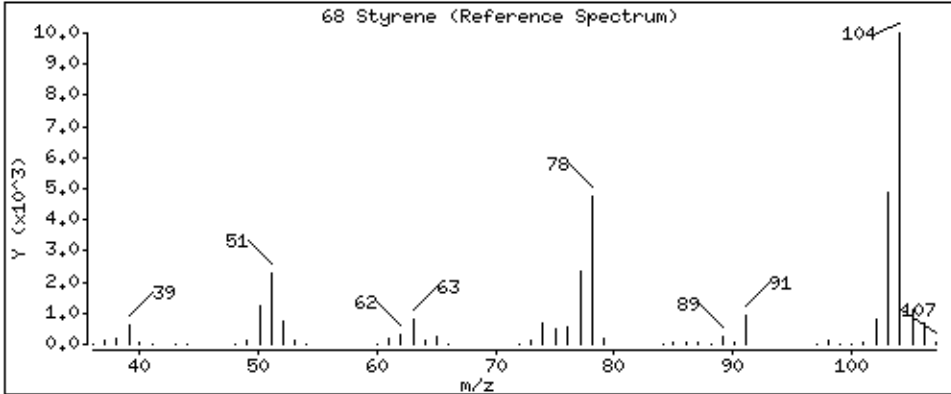
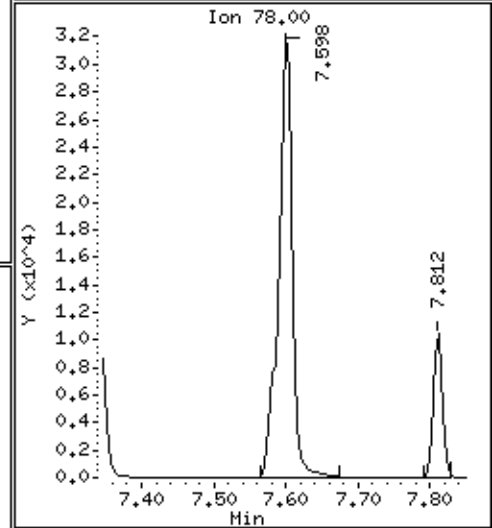
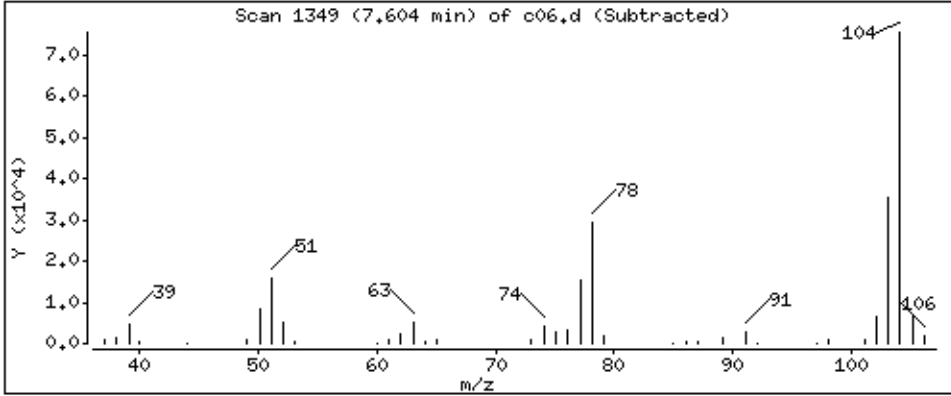
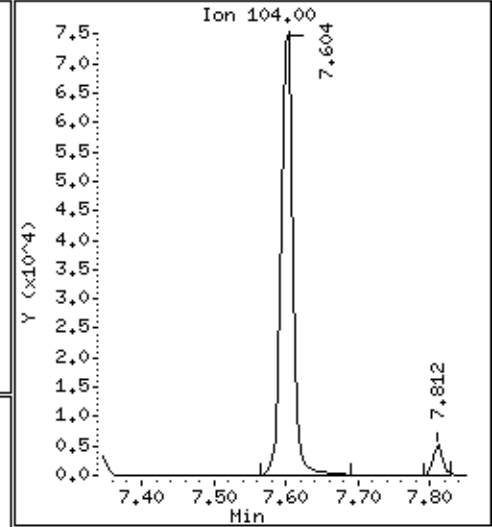
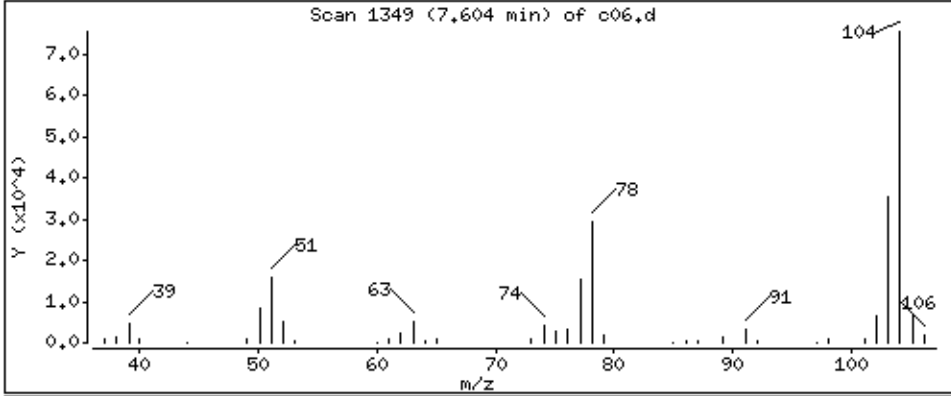
Operator: ala

Column phase: DB-624

Column diameter: 0,18

68 Styrene

Concentration: 54,3 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

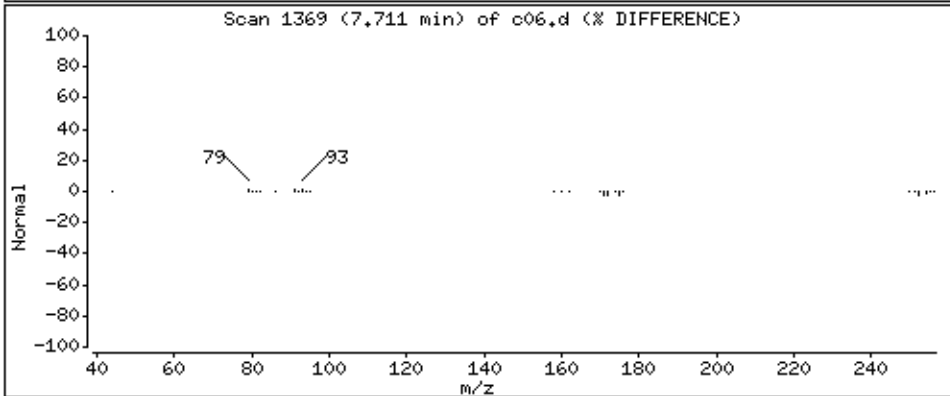
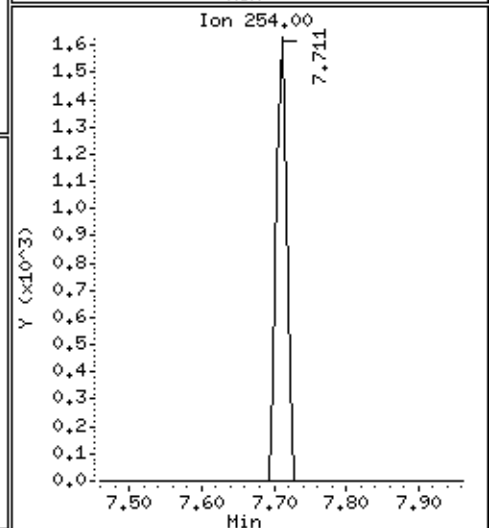
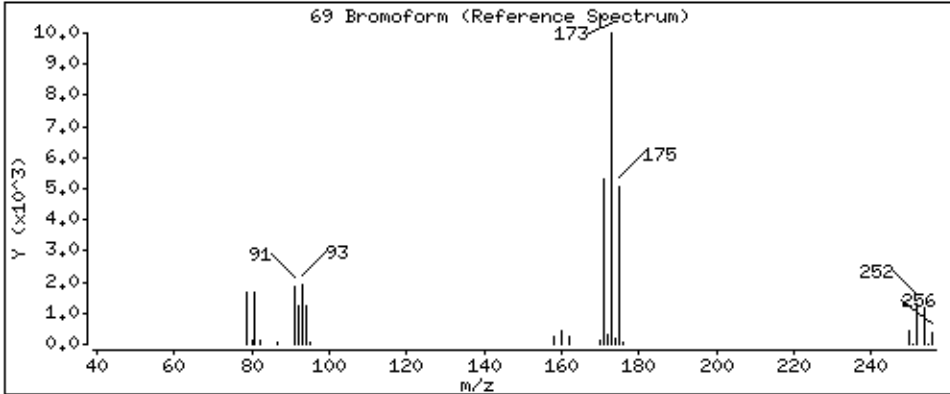
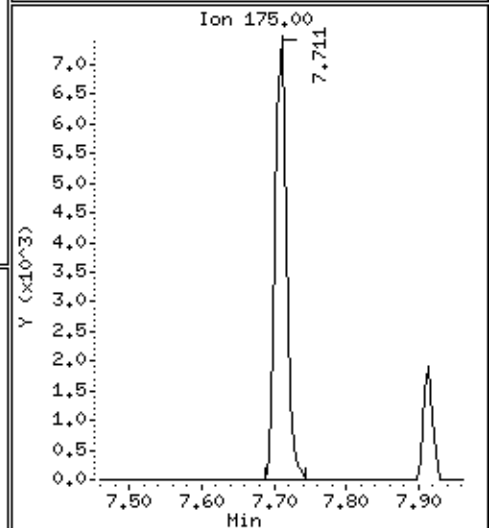
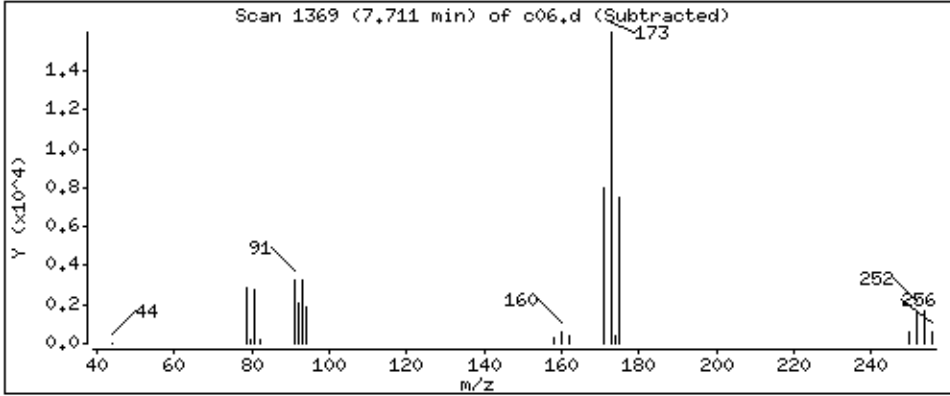
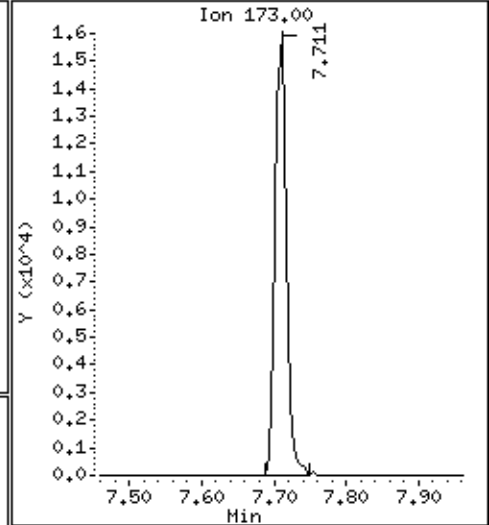
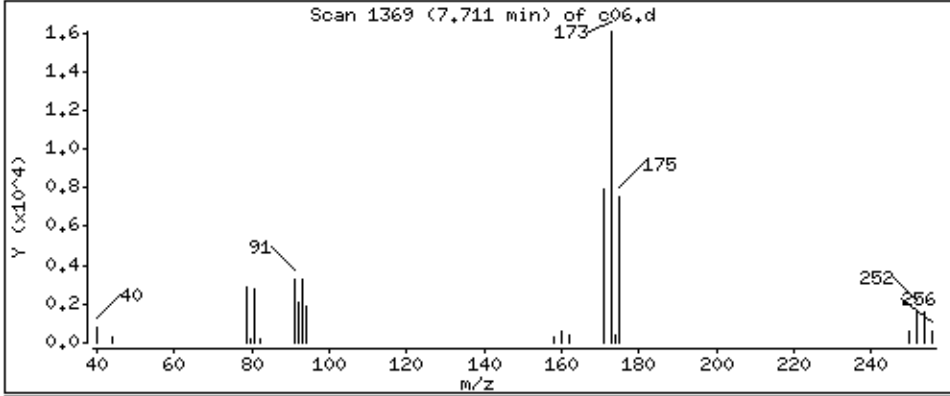
Operator: ala

Column phase: DB-624

Column diameter: 0,18

69 Bromoform

Concentration: 55,2 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

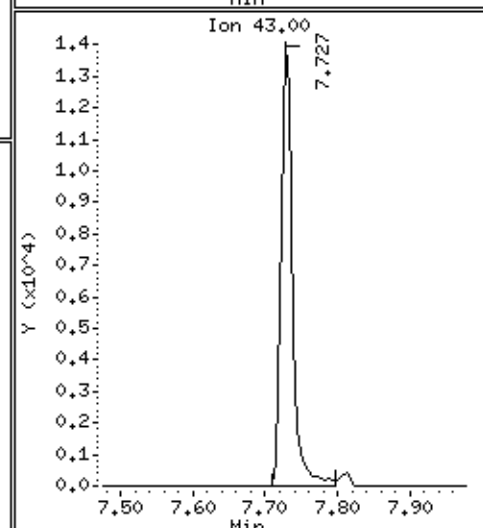
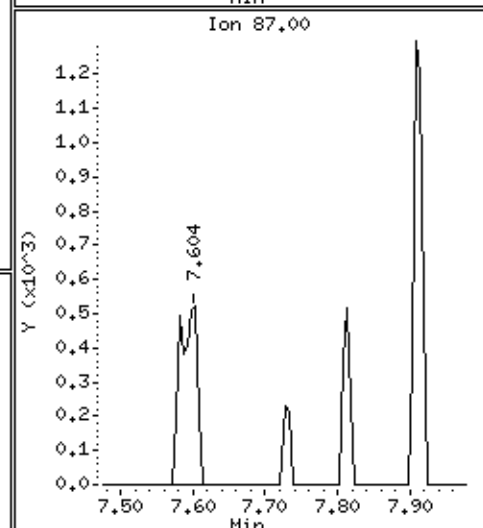
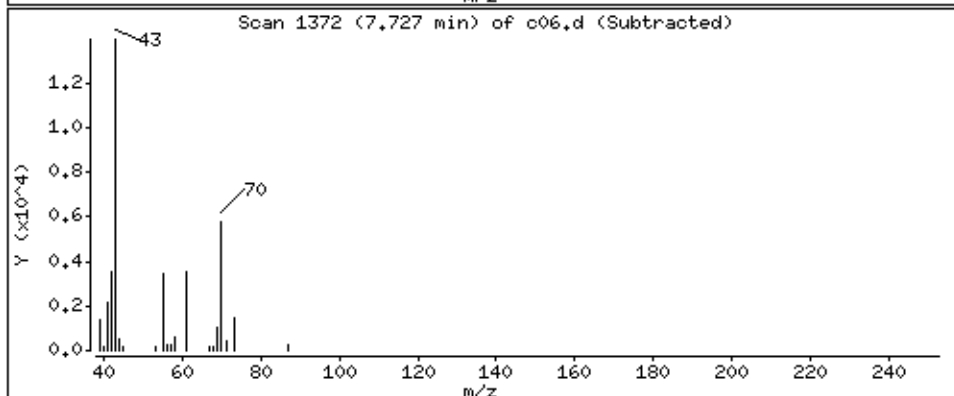
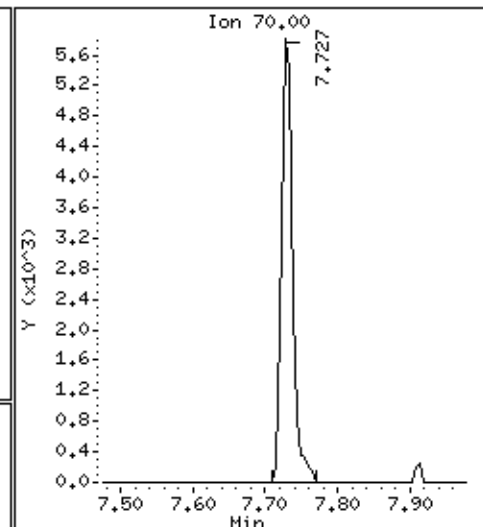
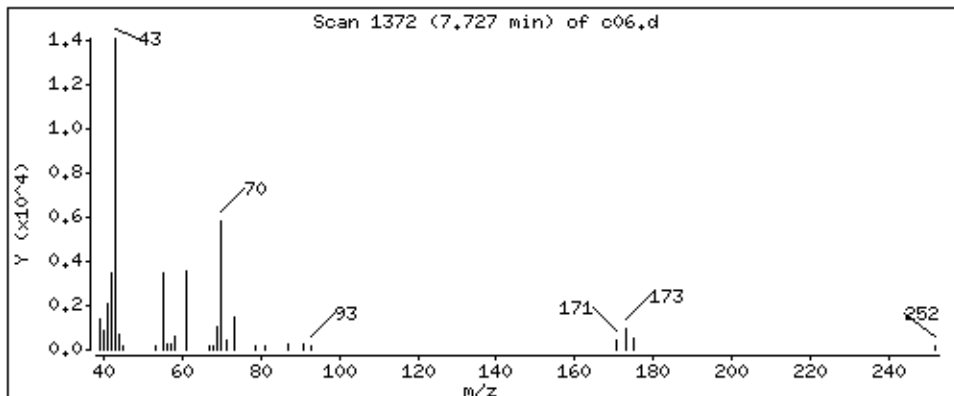
Operator: ala

Column phase: DB-624

Column diameter: 0,18

146 n-nyl acetate

Concentration: 17,1 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

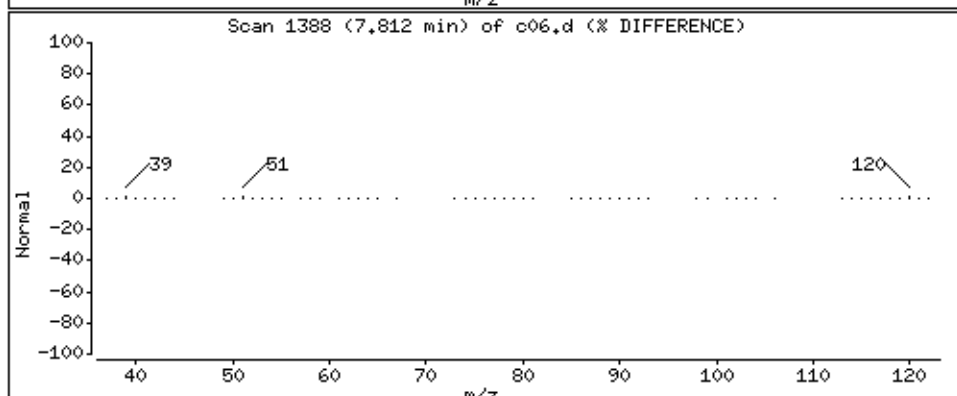
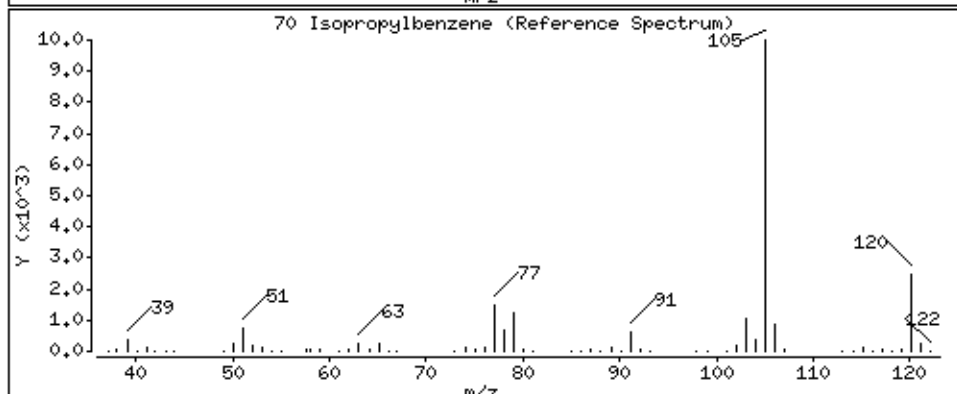
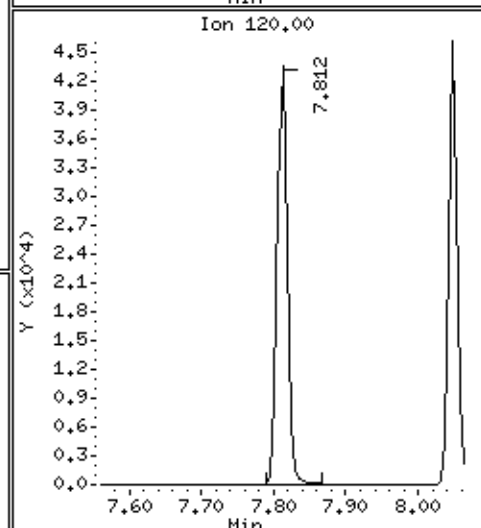
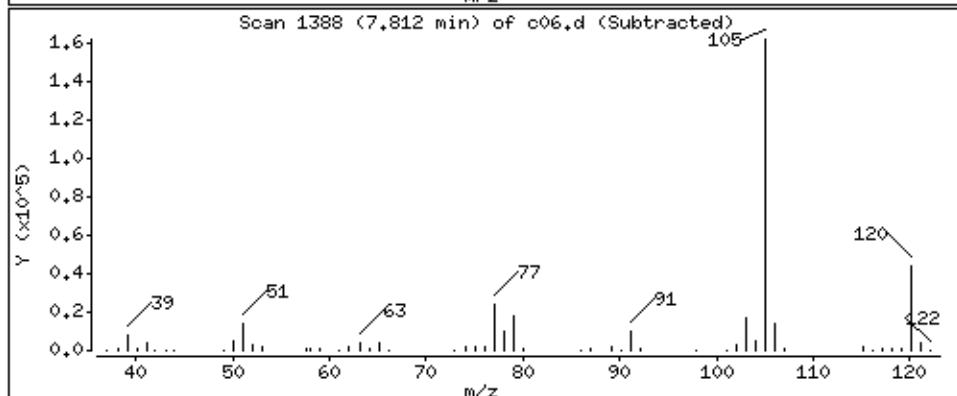
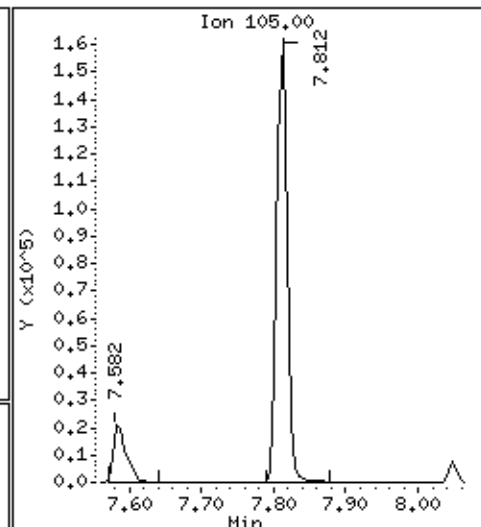
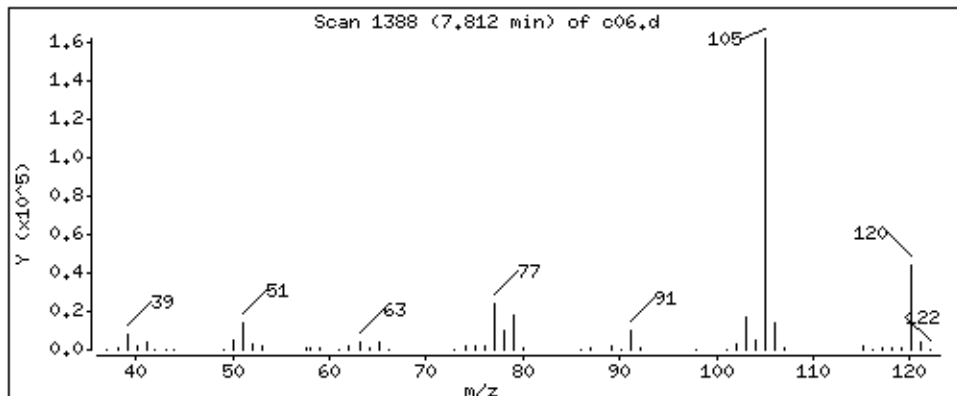
Operator: ala

Column phase: DB-624

Column diameter: 0,18

70 Isopropylbenzene

Concentration: 61.9 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

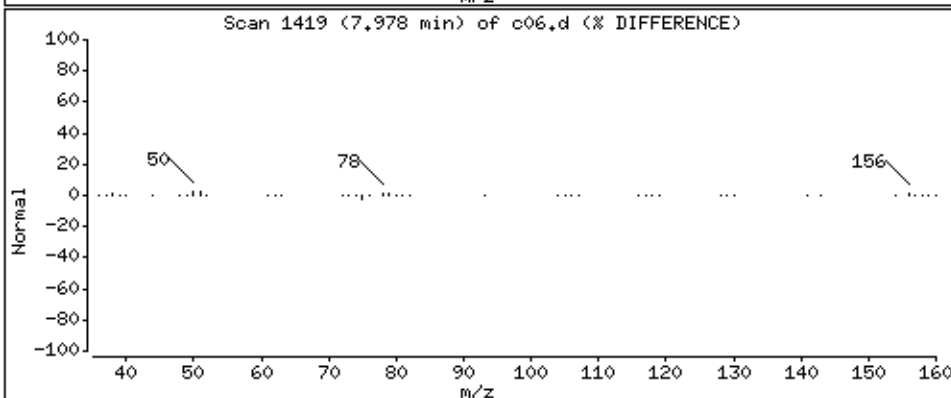
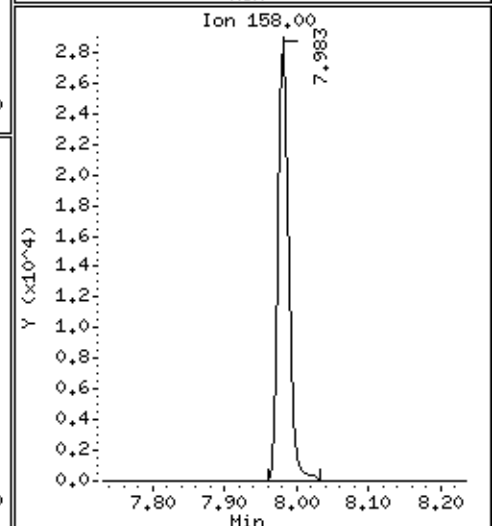
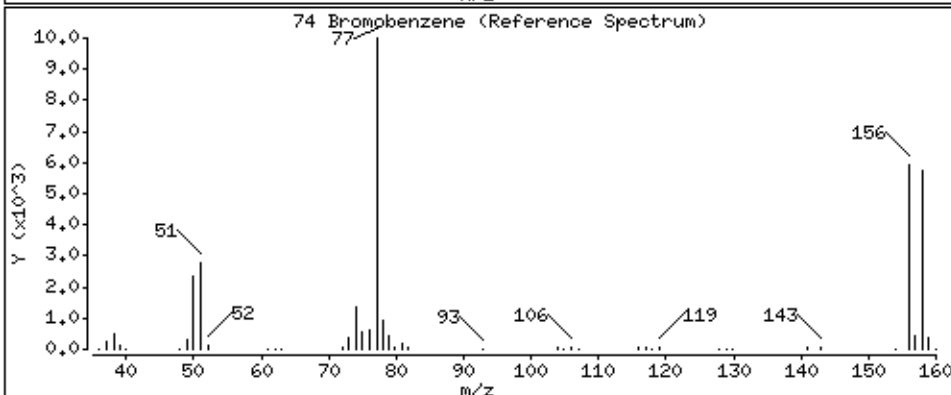
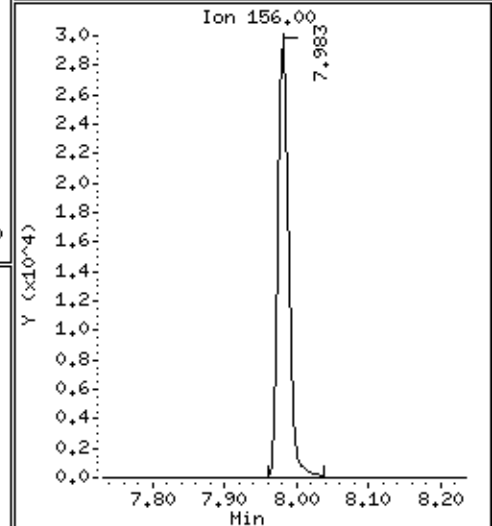
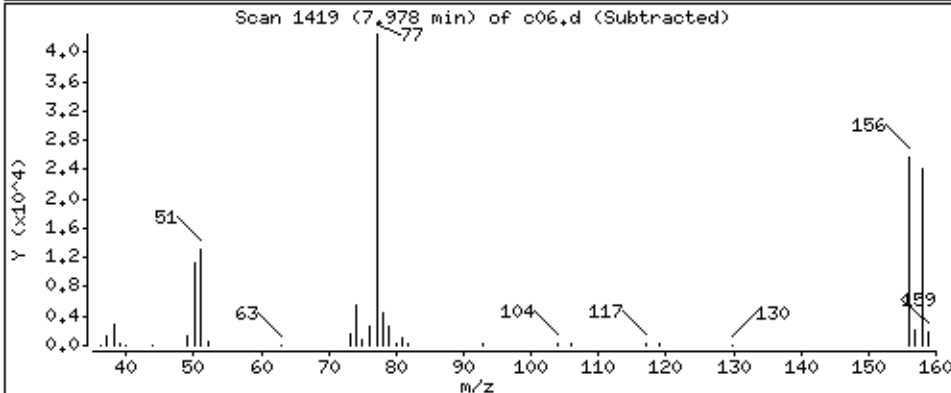
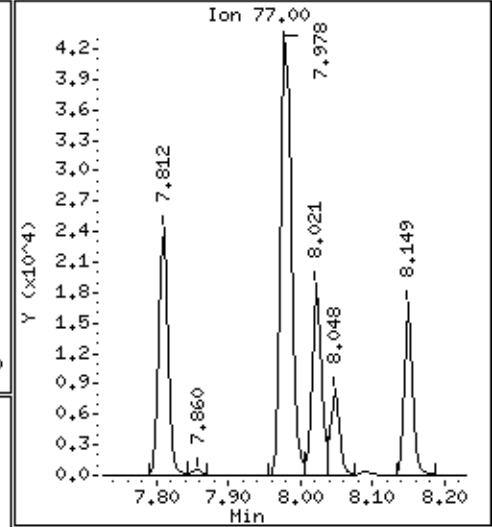
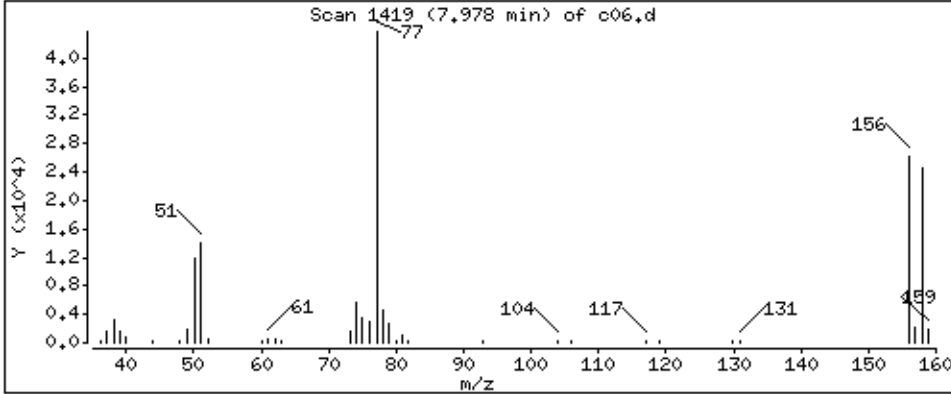
Operator: ala

Column phase: DB-624

Column diameter: 0,18

74 Bromobenzene

Concentration: 47,6 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

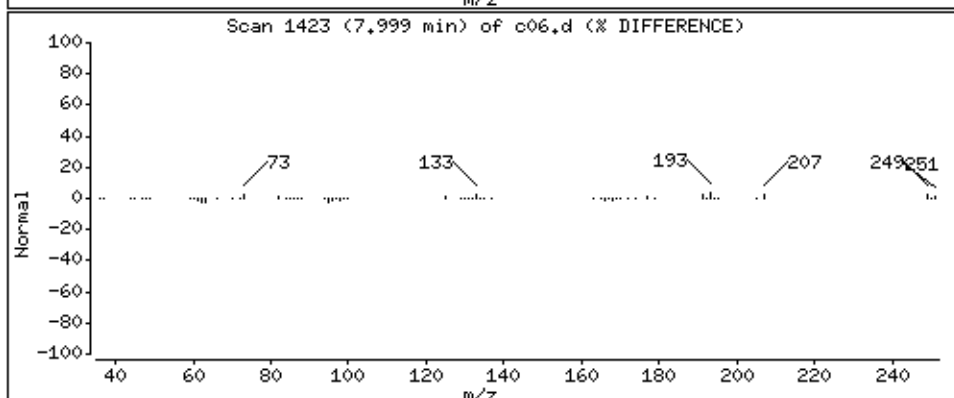
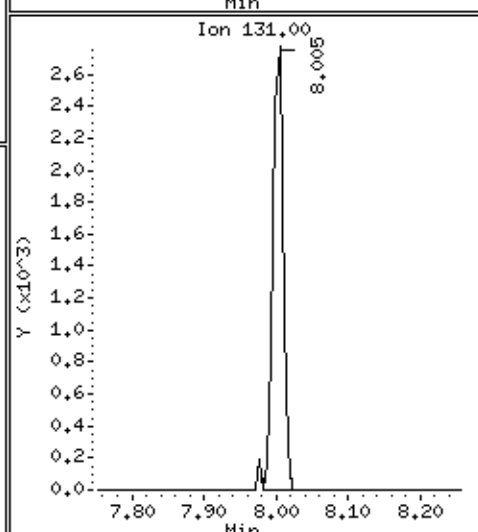
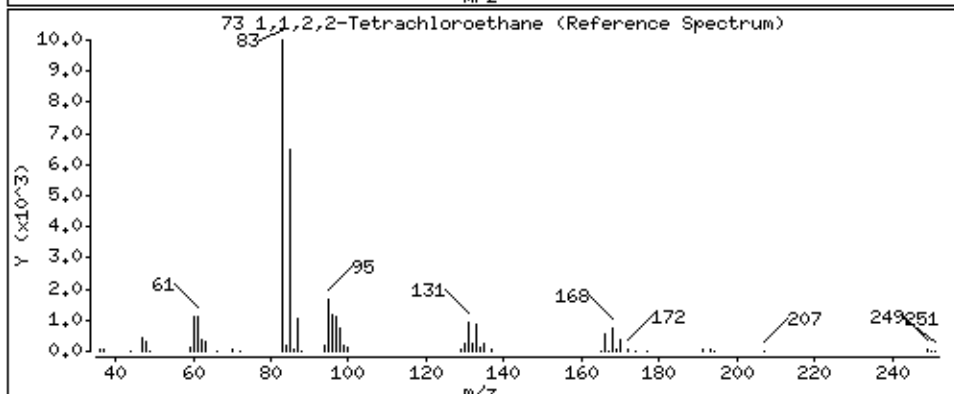
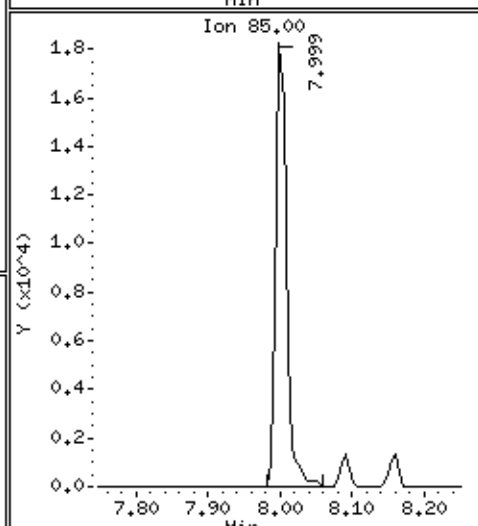
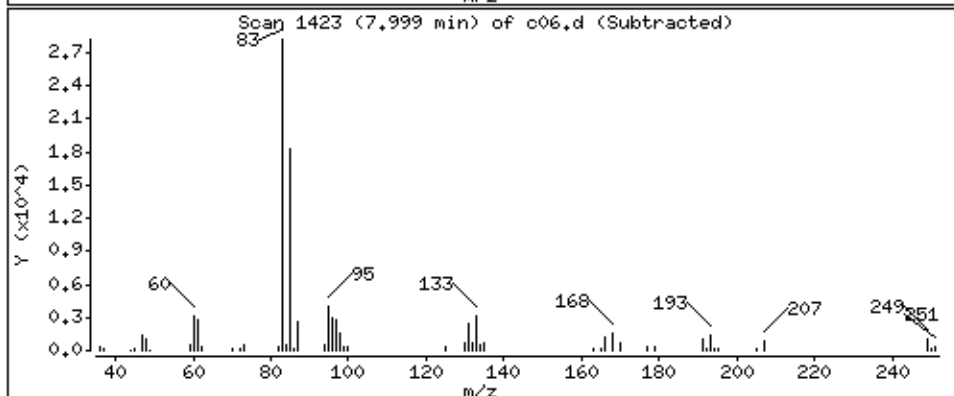
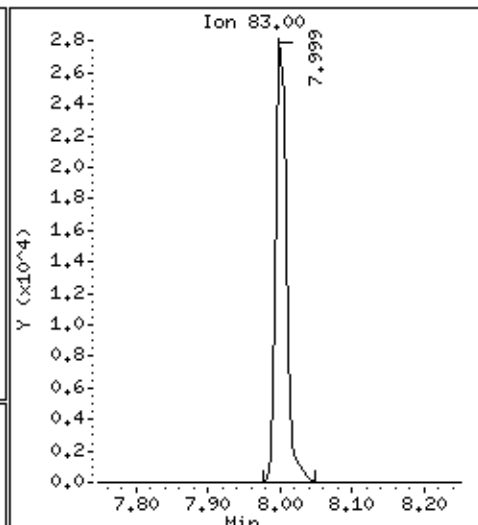
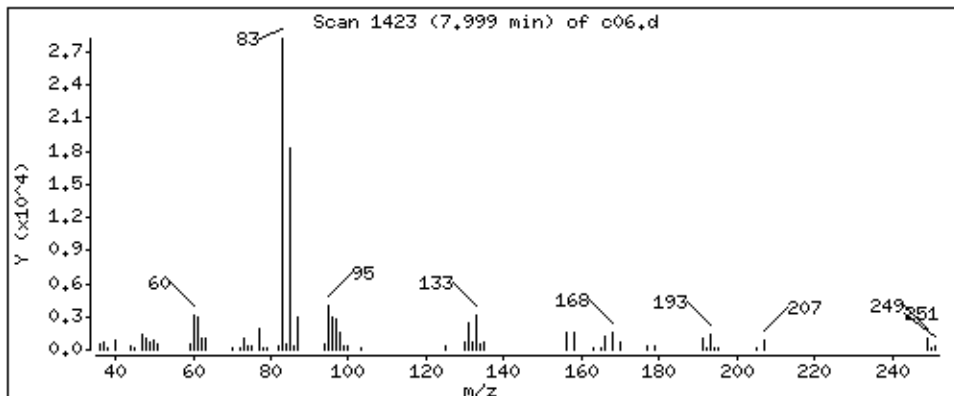
Operator: ala

Column phase: DB-624

Column diameter: 0,18

73 1,1,2,2-Tetrachloroethane

Concentration: 51,5 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

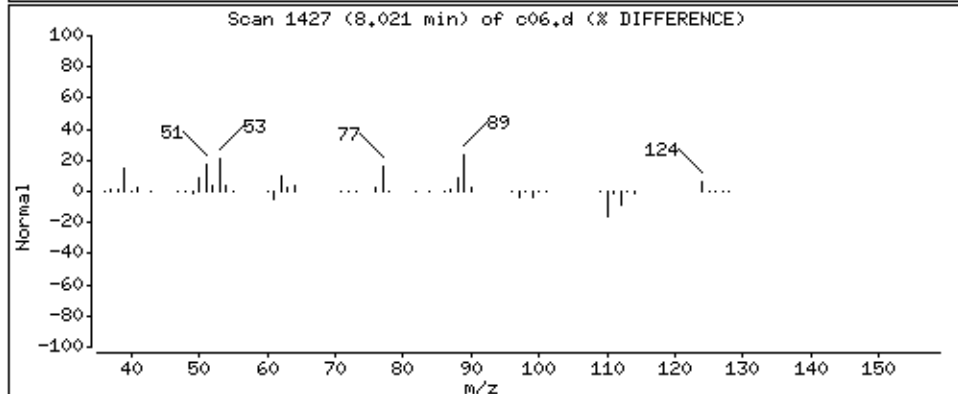
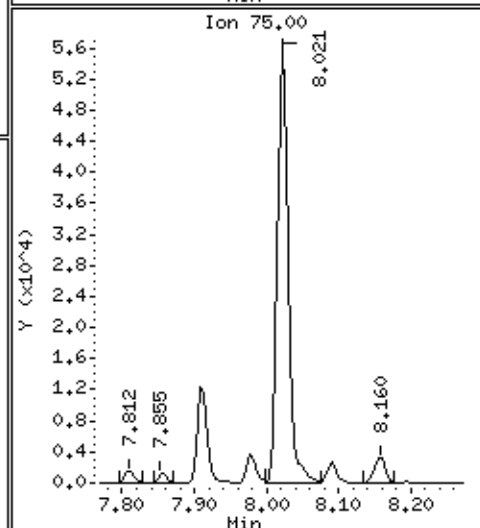
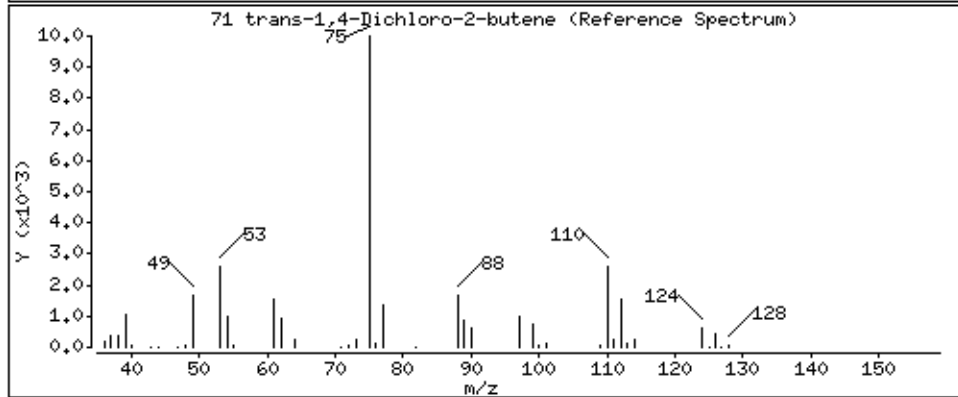
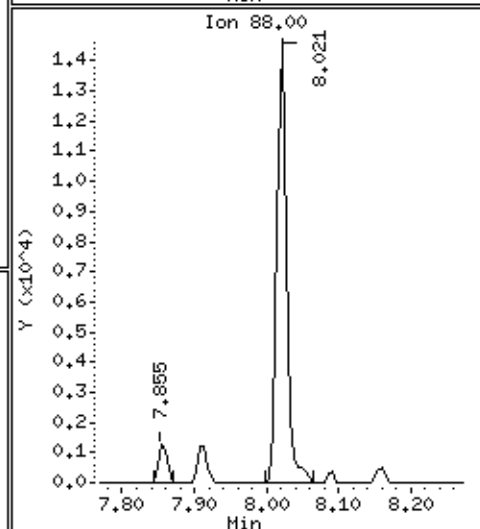
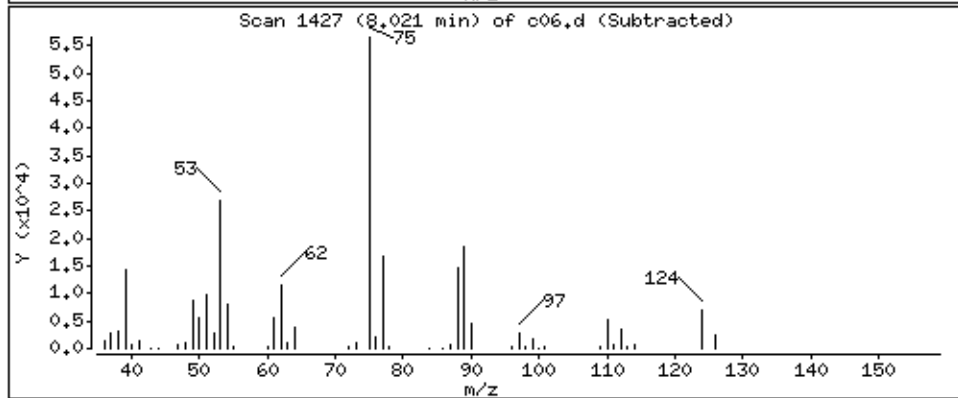
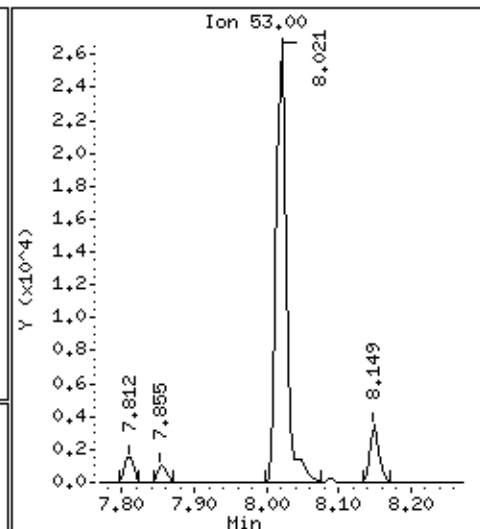
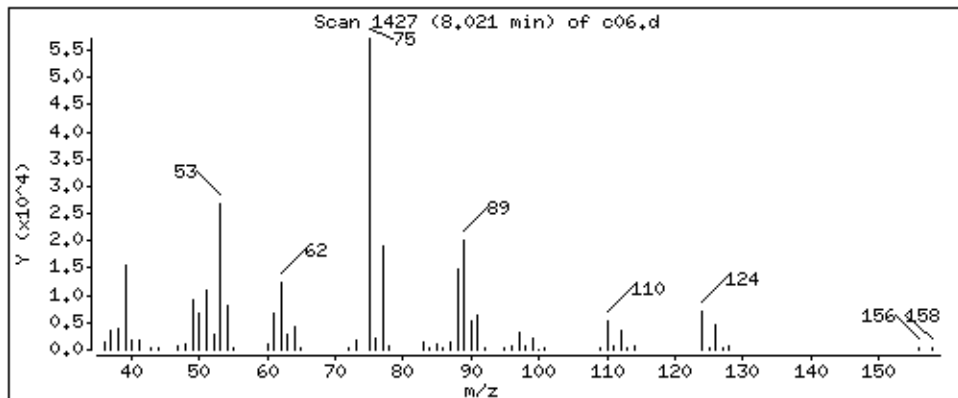
Operator: ala

Column phase: DB-624

Column diameter: 0,18

71 trans-1,4-Dichloro-2-butene

Concentration: 161 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

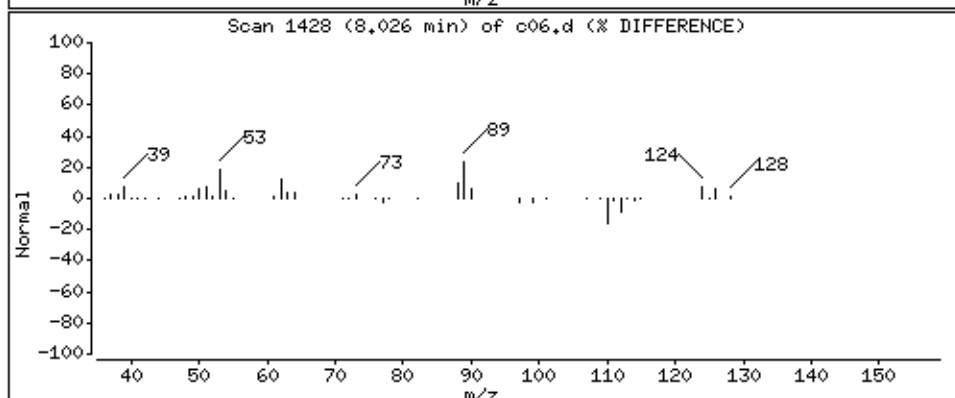
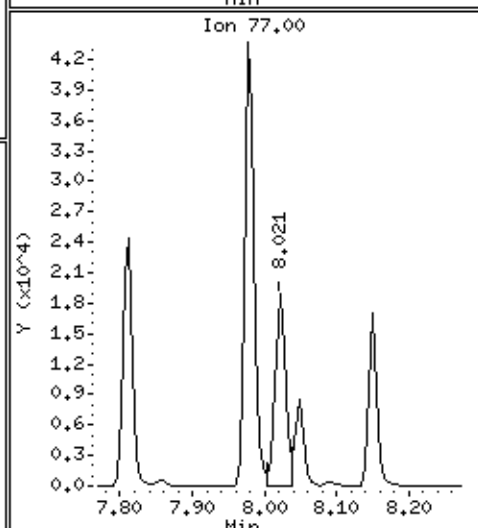
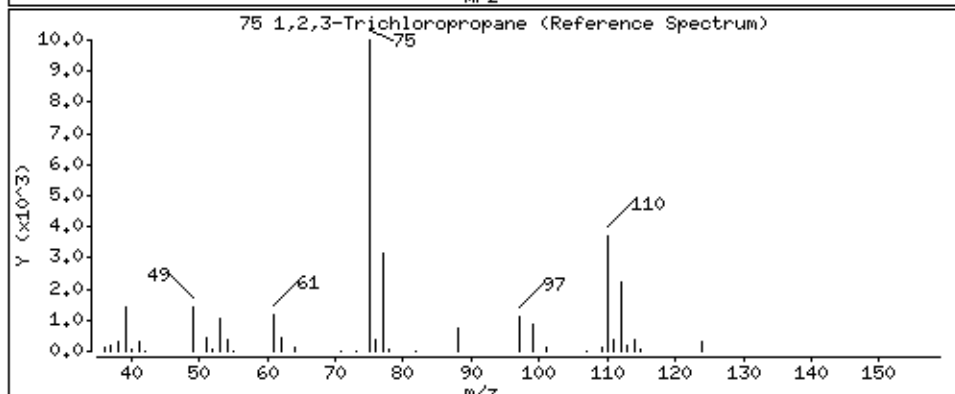
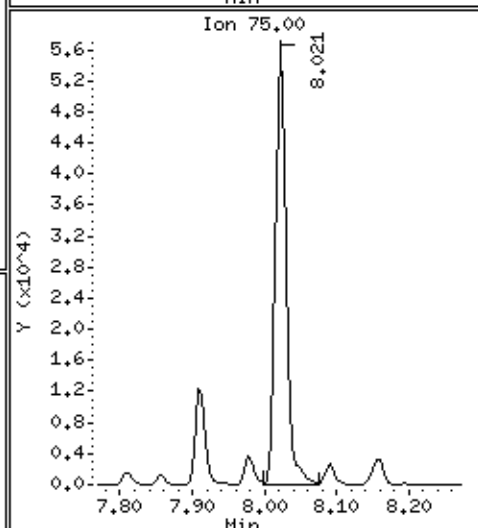
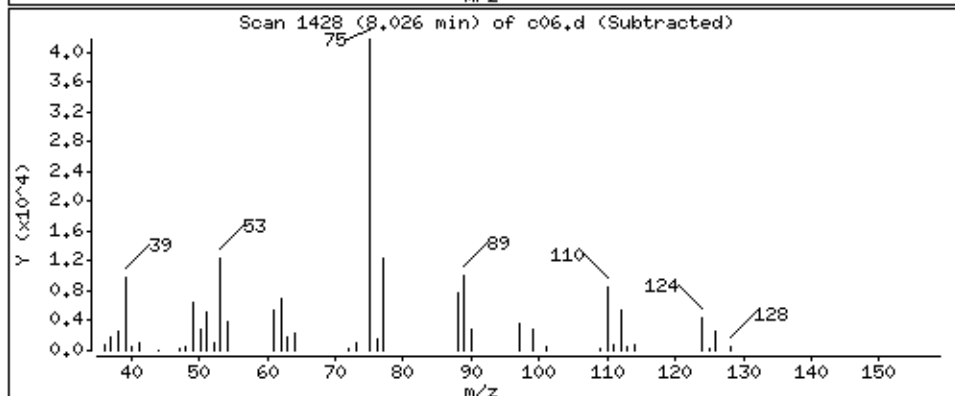
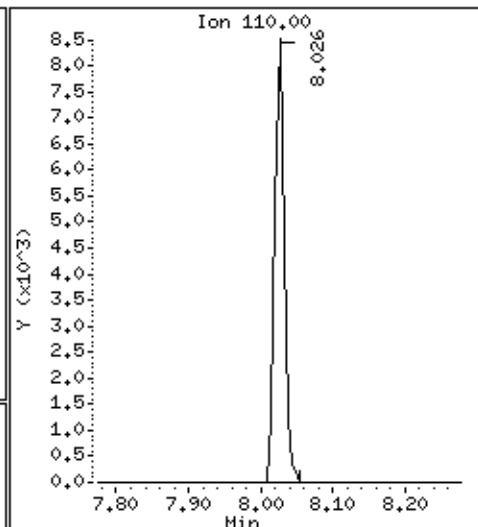
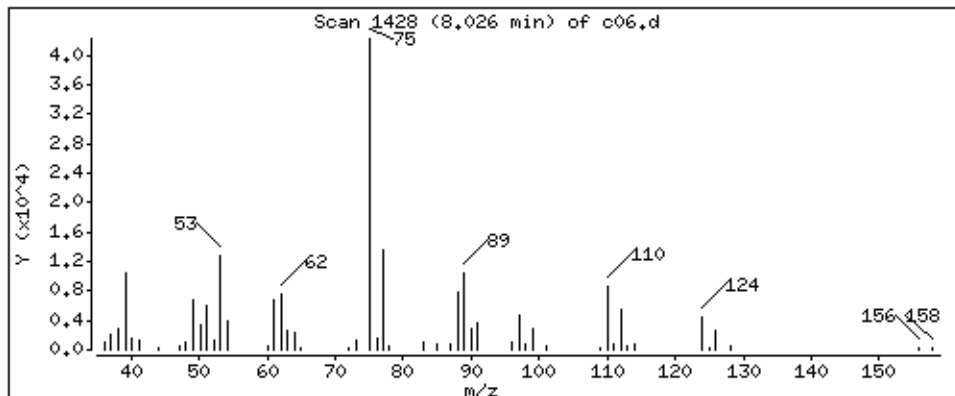
Operator: ala

Column phase: DB-624

Column diameter: 0,18

75 1,2,3-Trichloropropane

Concentration: 56,6 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730;5

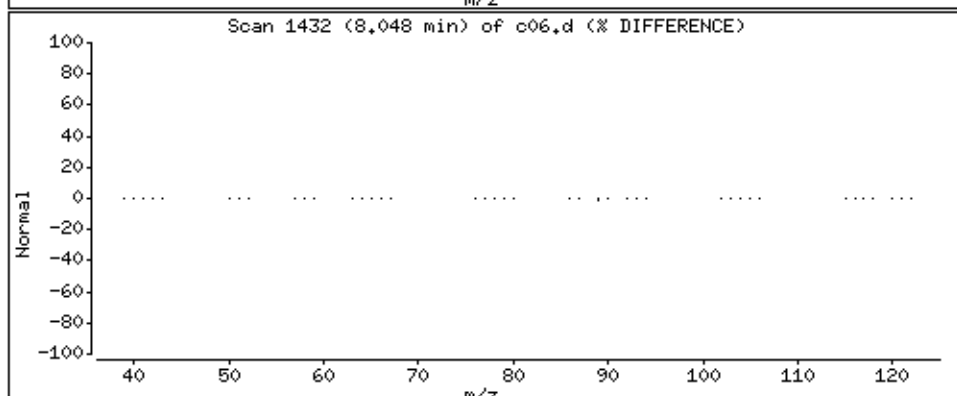
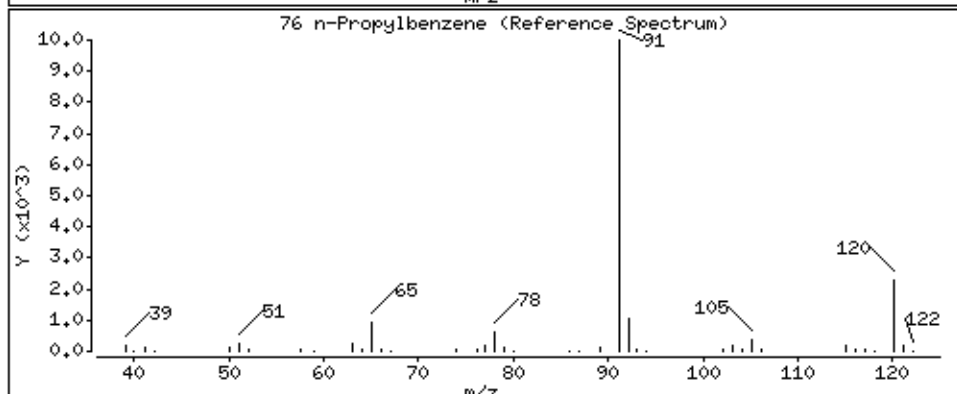
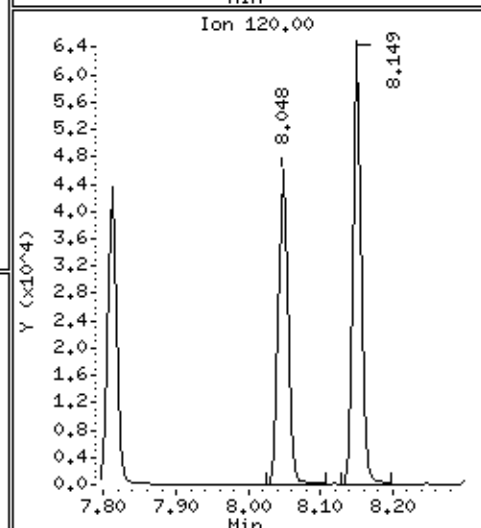
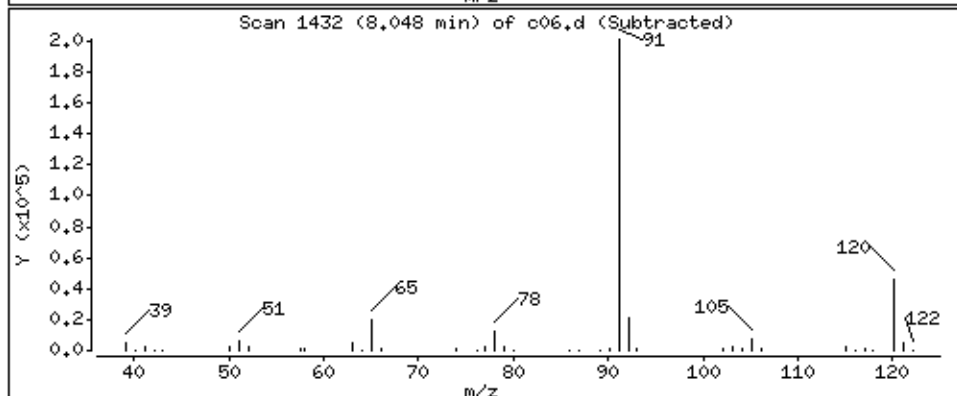
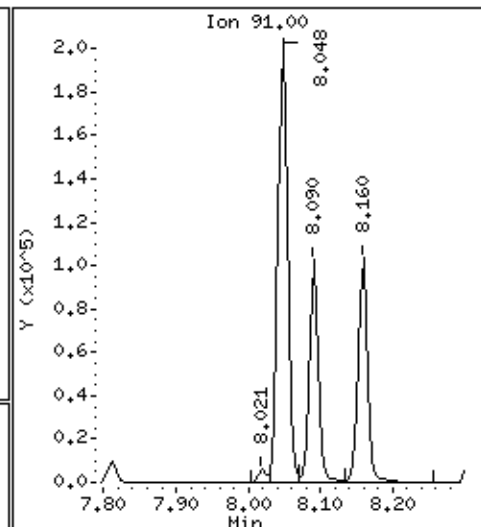
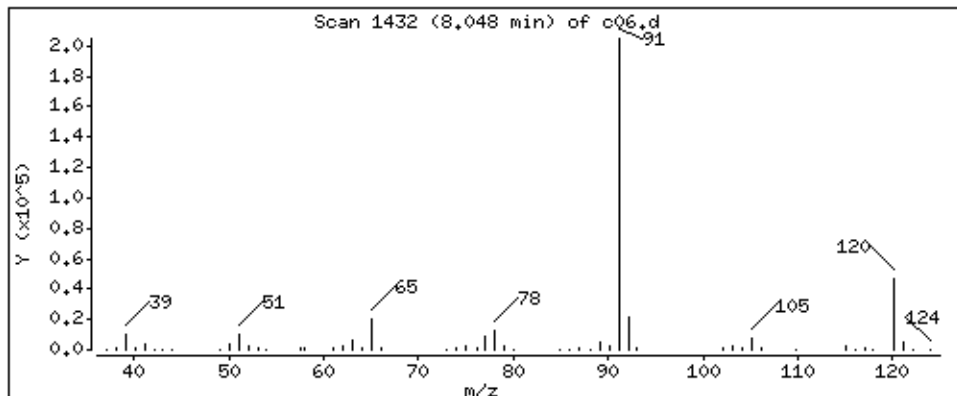
Operator: ala

Column phase: DB-624

Column diameter: 0,18

76 n-Propylbenzene

Concentration: 70,0 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

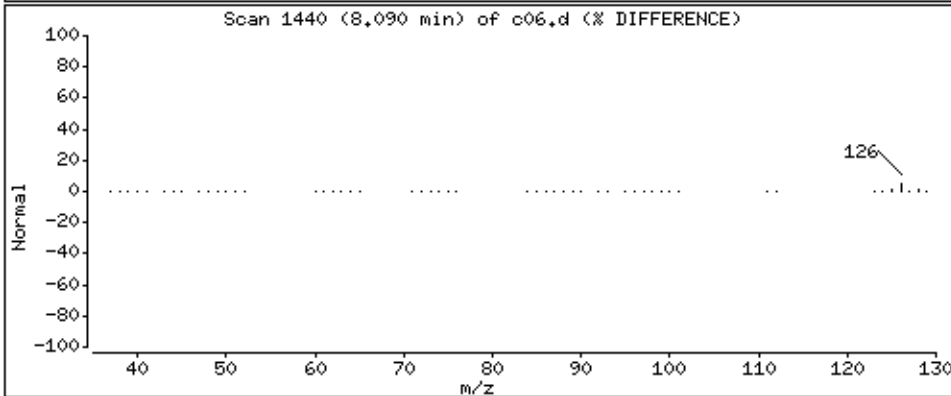
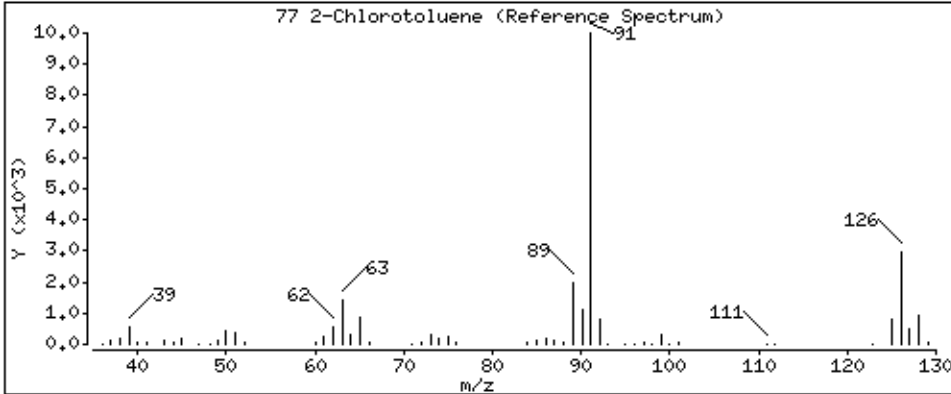
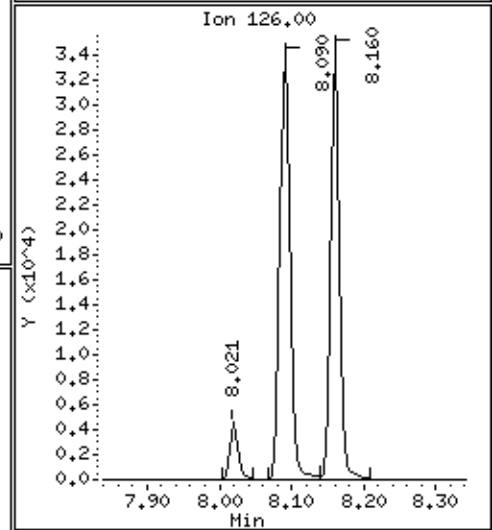
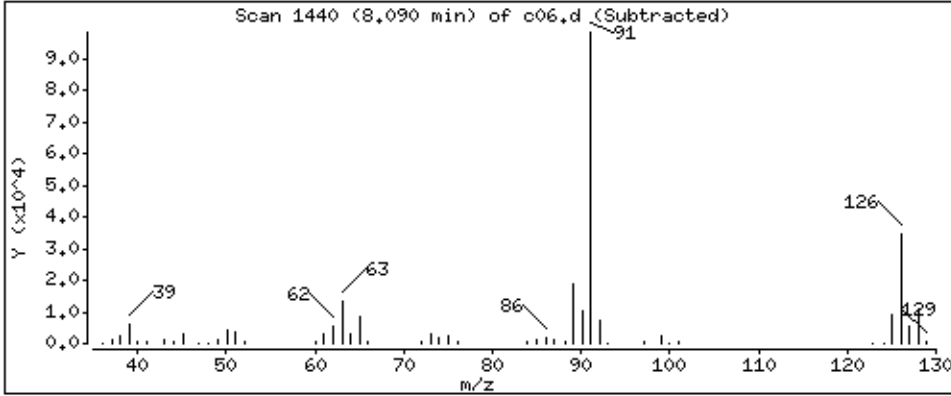
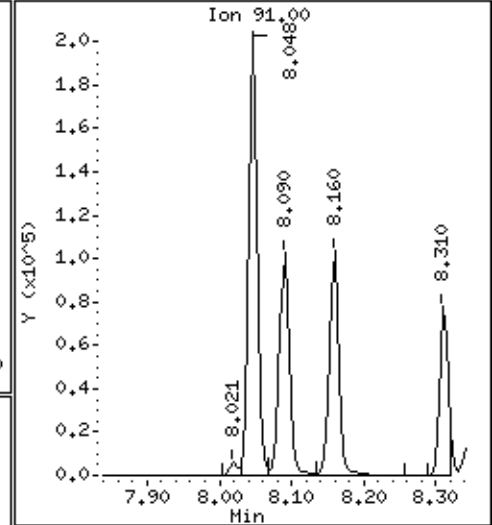
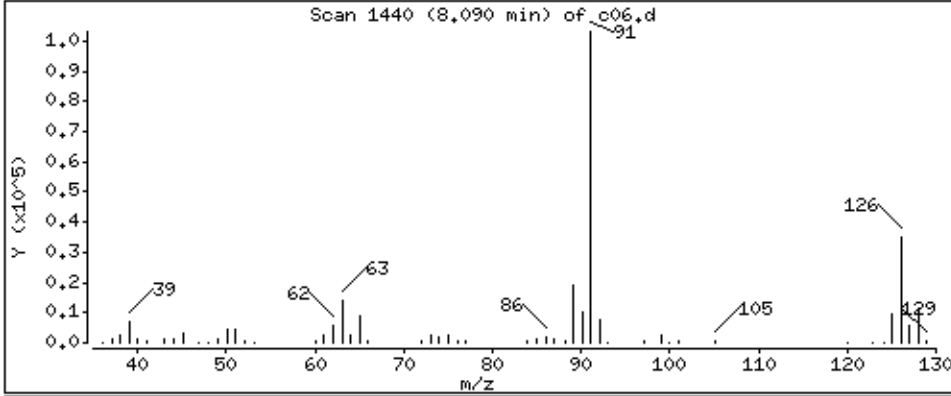
Operator: ala

Column phase: DB-624

Column diameter: 0,18

77 2-Chlorotoluene

Concentration: 65,8 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730;5

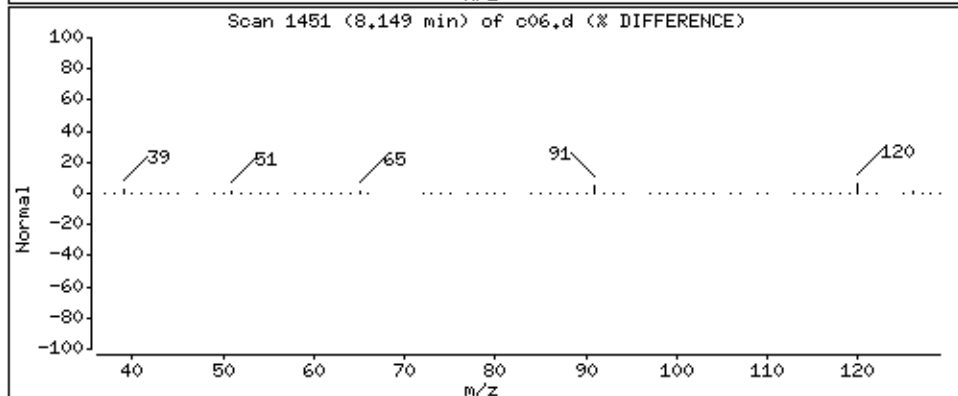
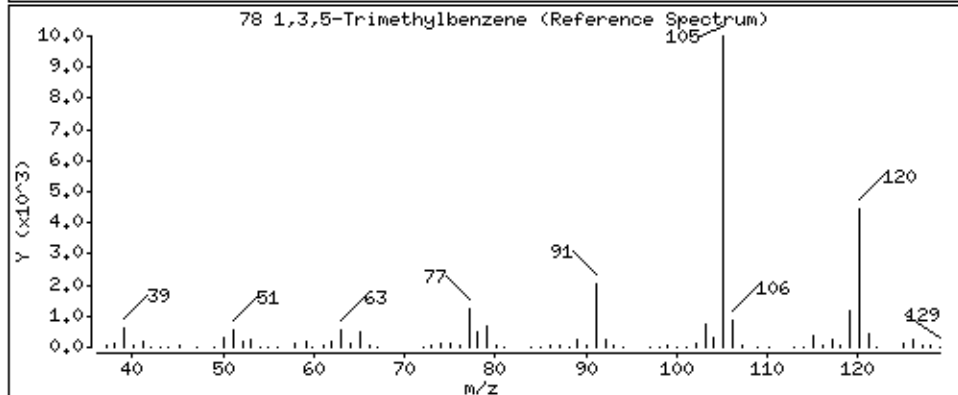
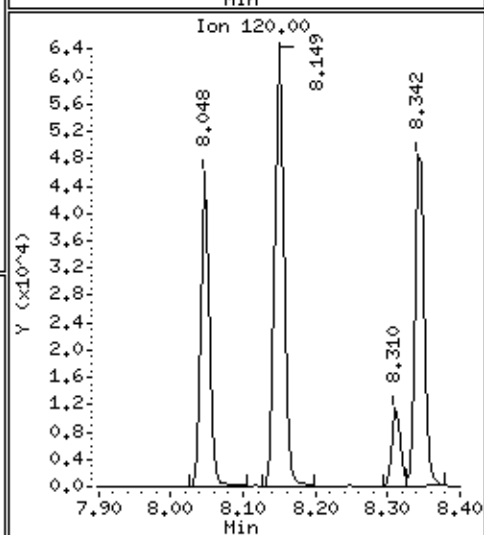
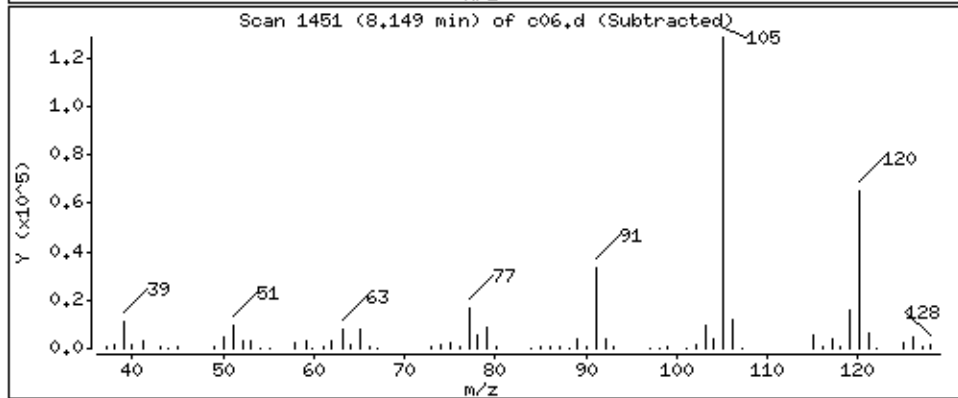
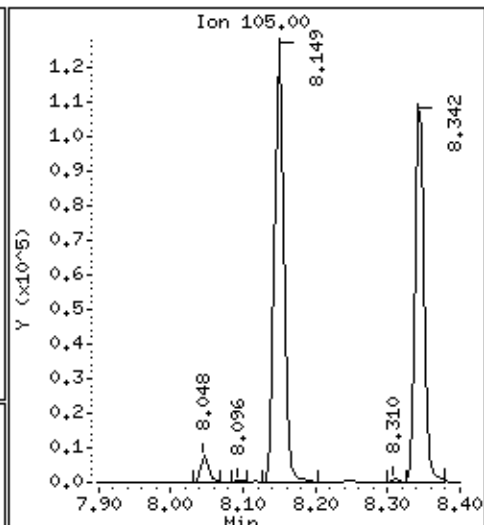
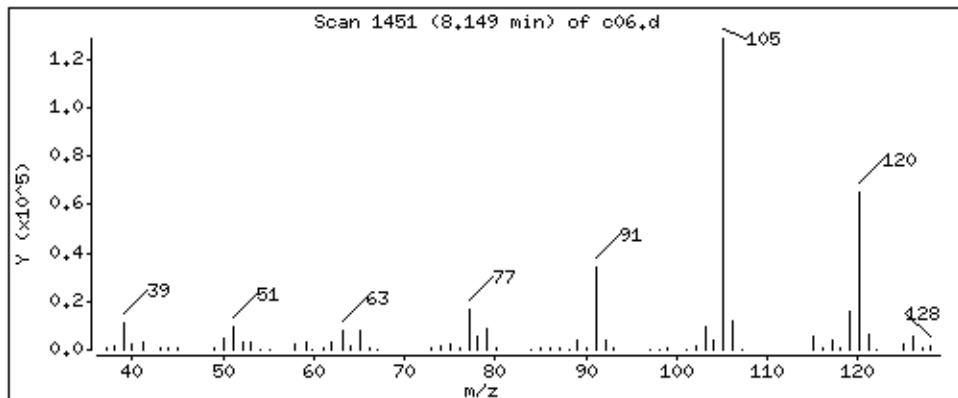
Operator: ala

Column phase: DB-624

Column diameter: 0,18

78 1,3,5-Trimethylbenzene

Concentration: 67,0 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

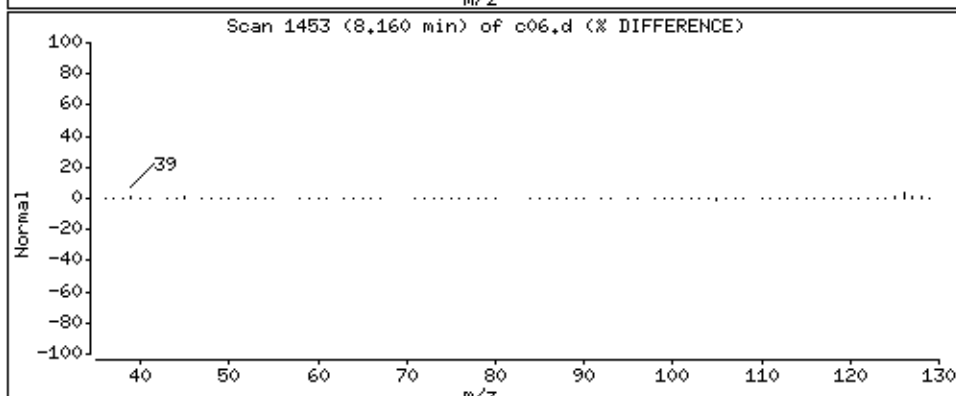
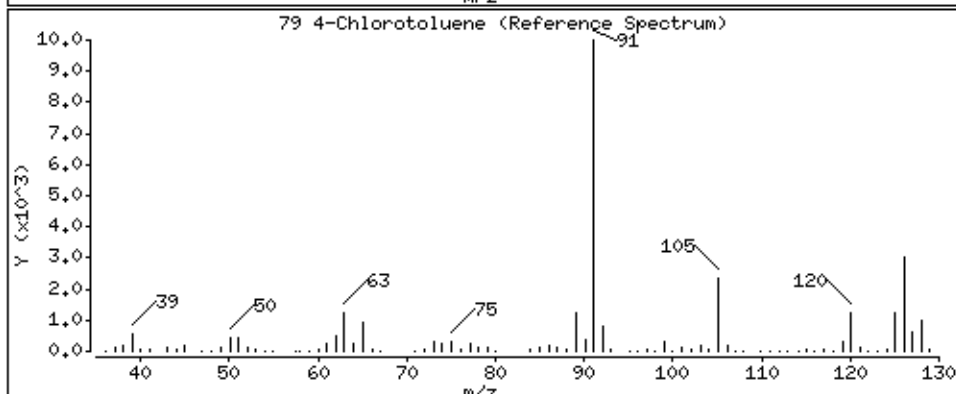
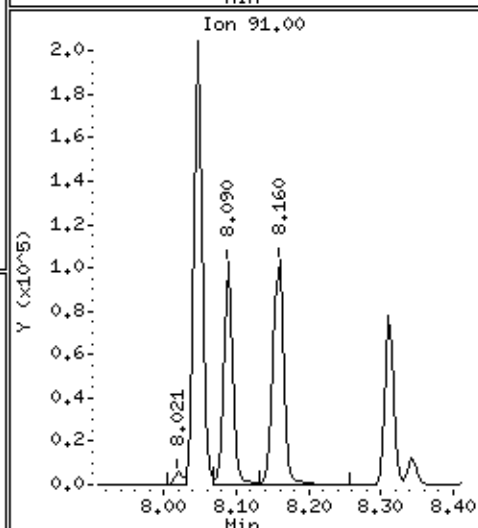
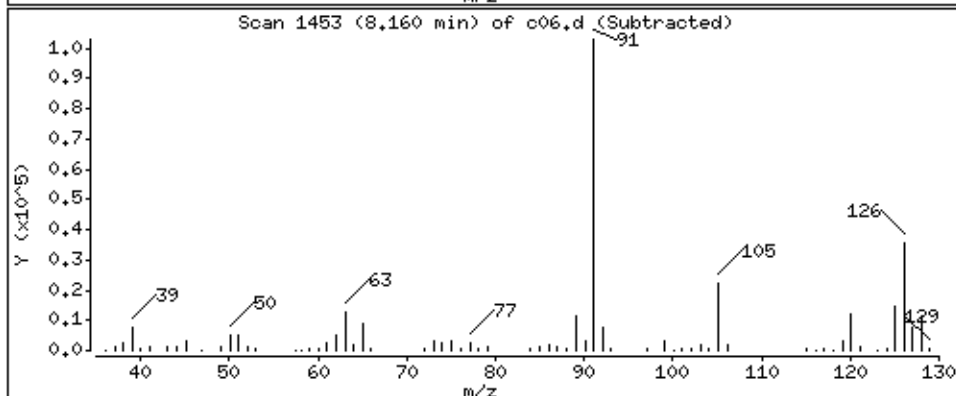
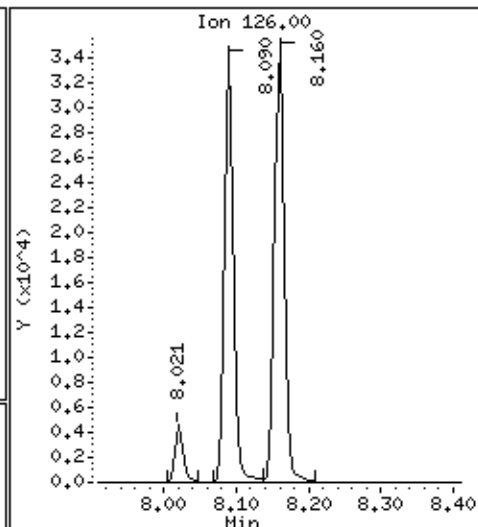
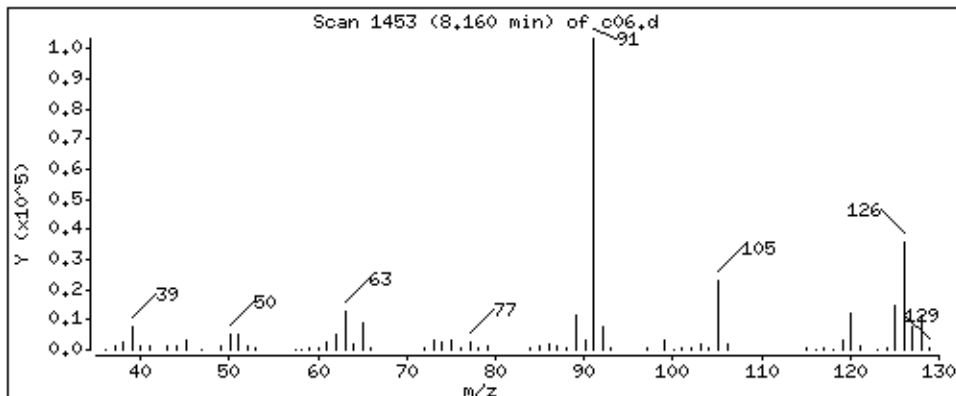
Operator: ala

Column phase: DB-624

Column diameter: 0,18

79 4-Chlorotoluene

Concentration: 62.4 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

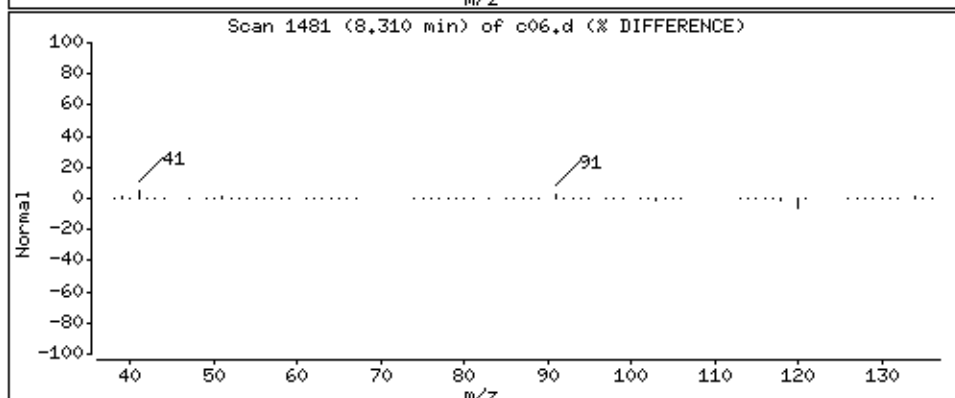
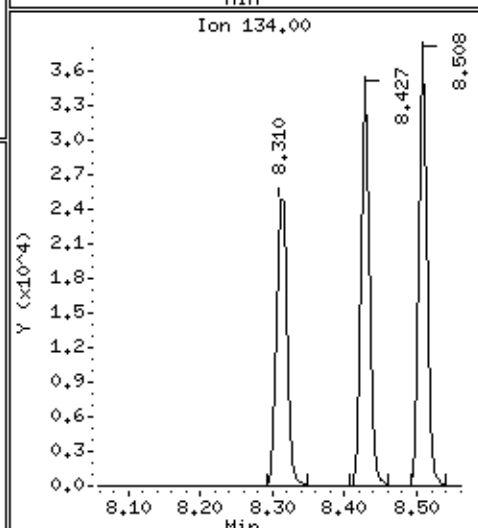
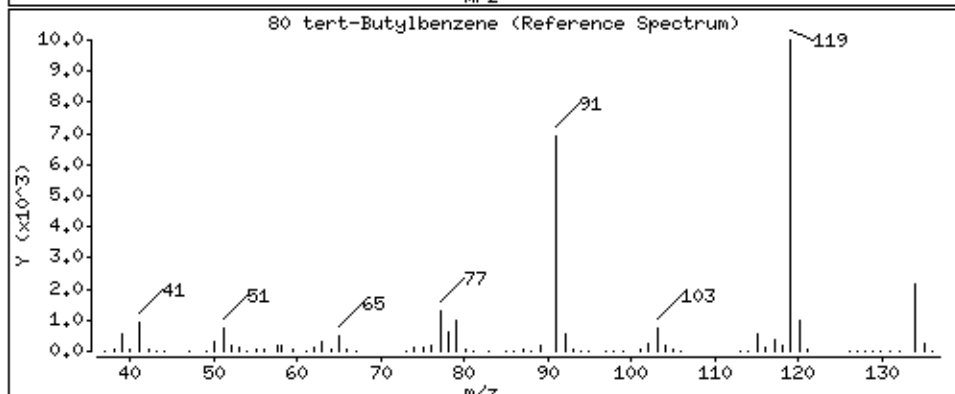
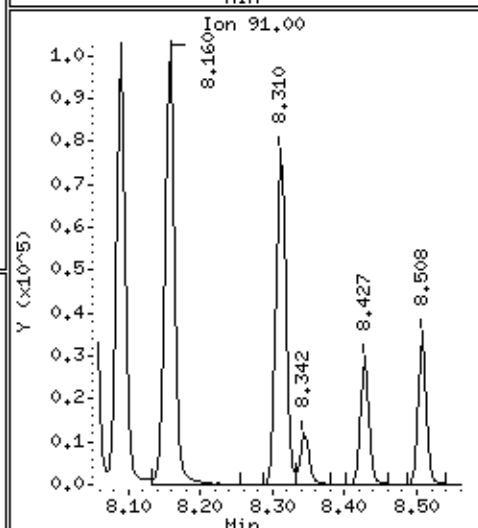
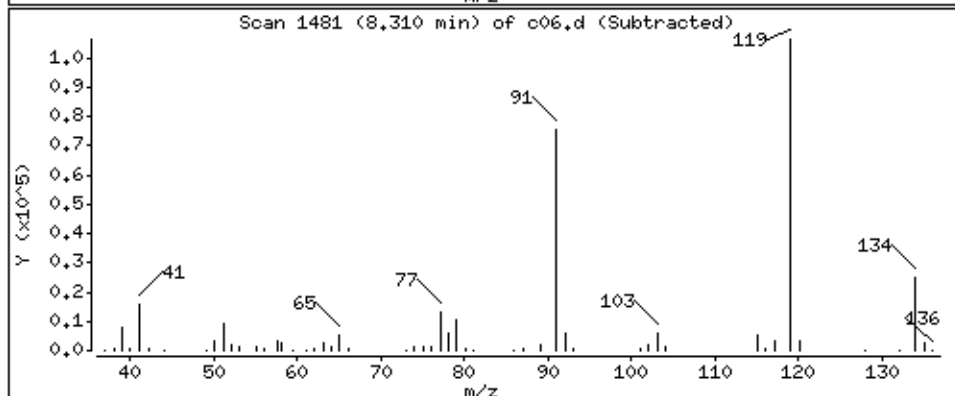
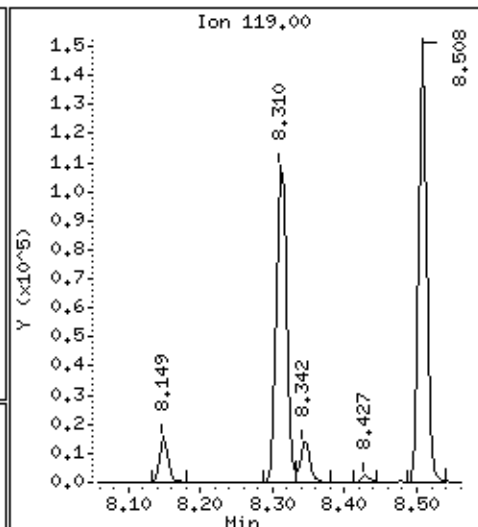
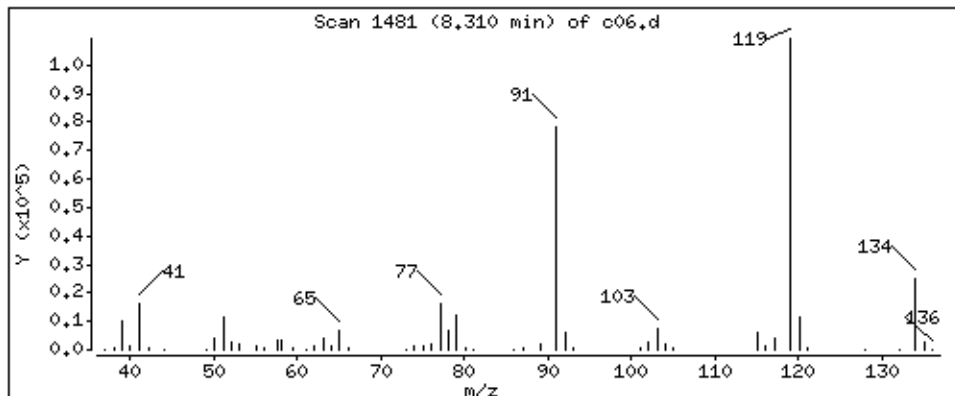
Operator: ala

Column phase: DB-624

Column diameter: 0,18

80 tert-Butylbenzene

Concentration: 54,3 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730;5

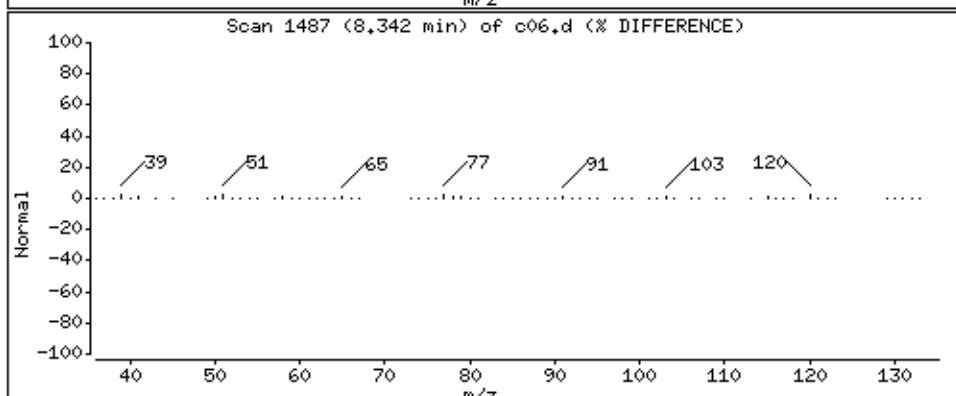
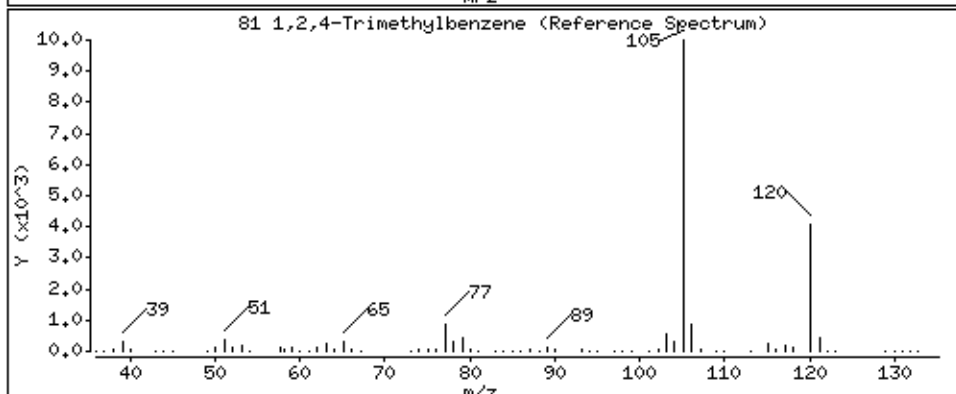
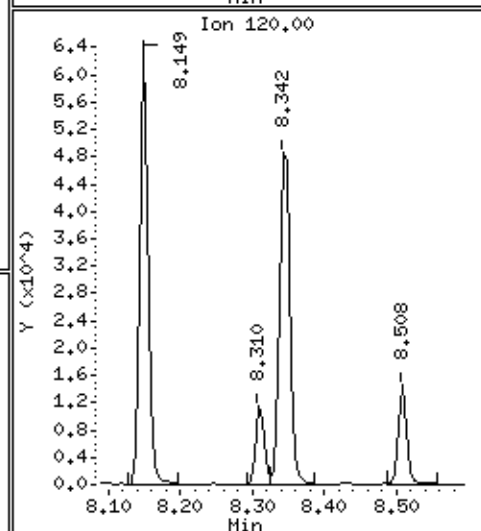
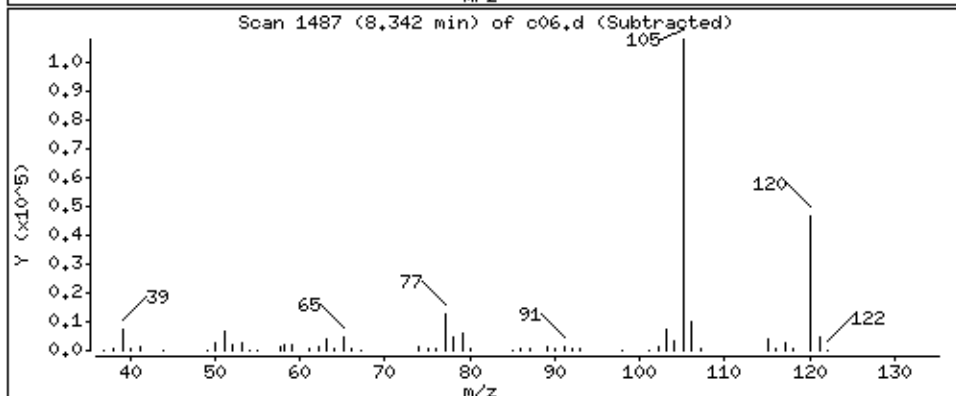
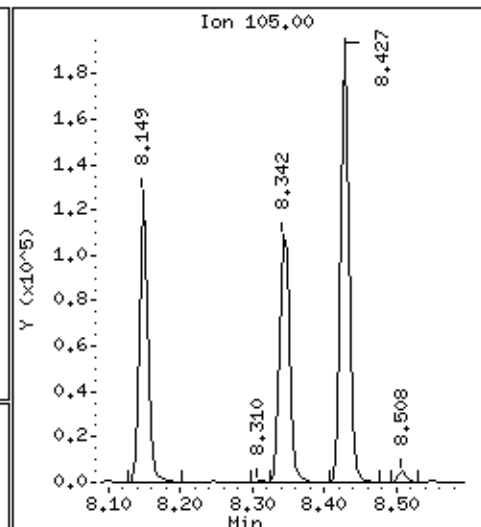
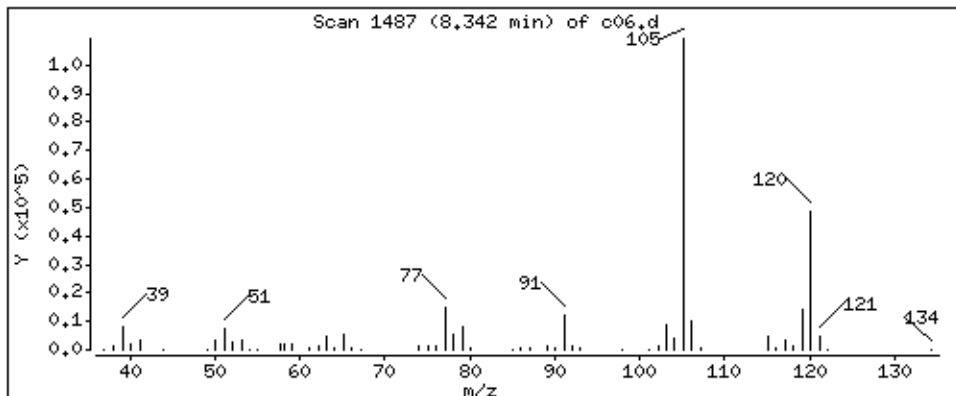
Operator: ala

Column phase: DB-624

Column diameter: 0,18

81 1,2,4-Trimethylbenzene

Concentration: 63,9 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

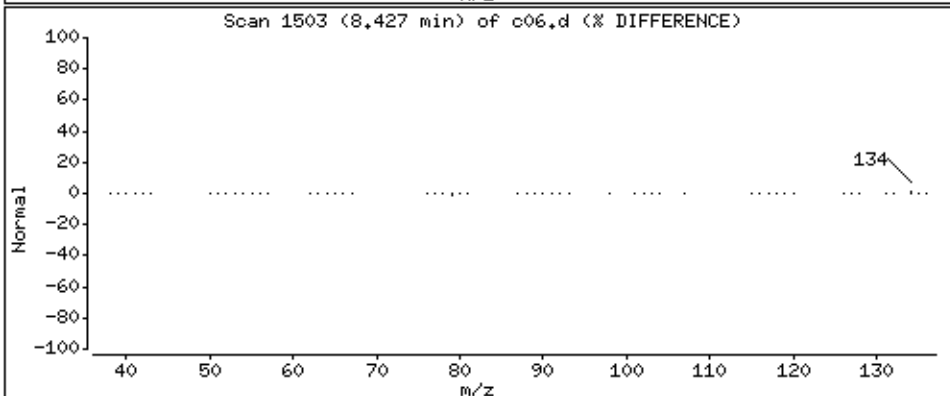
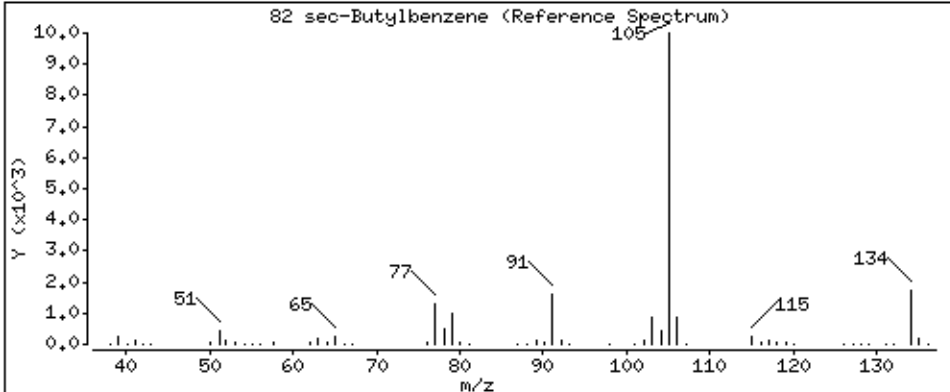
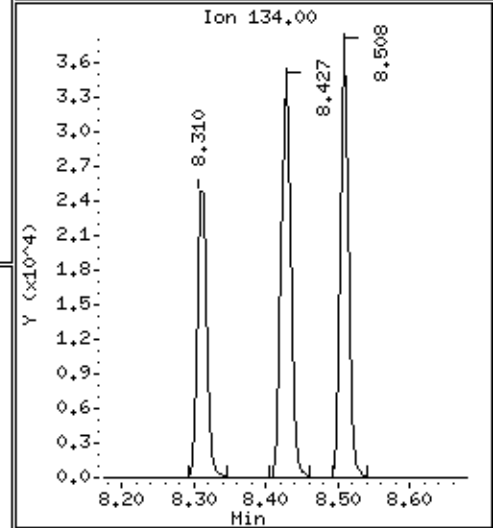
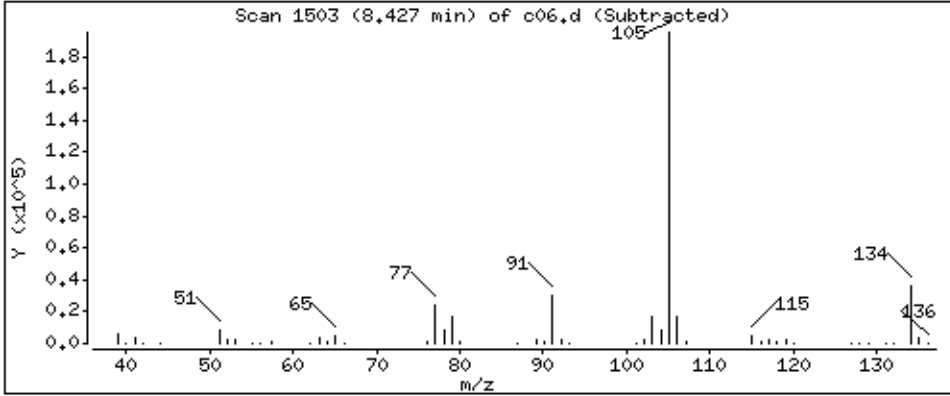
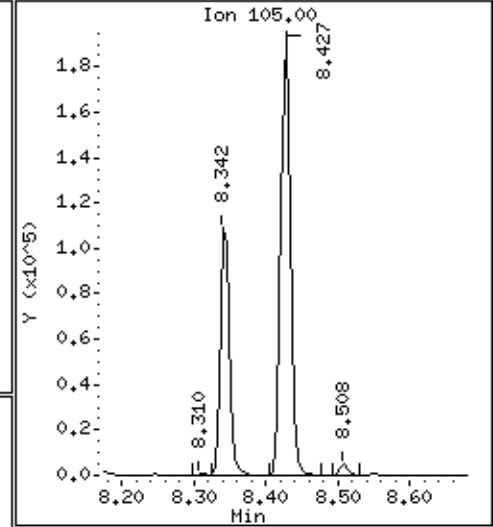
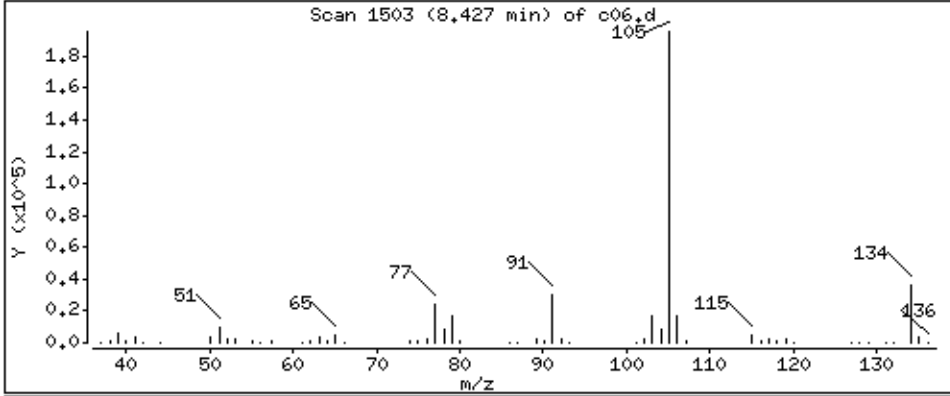
Operator: ala

Column phase: DB-624

Column diameter: 0,18

82 sec-Butylbenzene

Concentration: 72.7 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

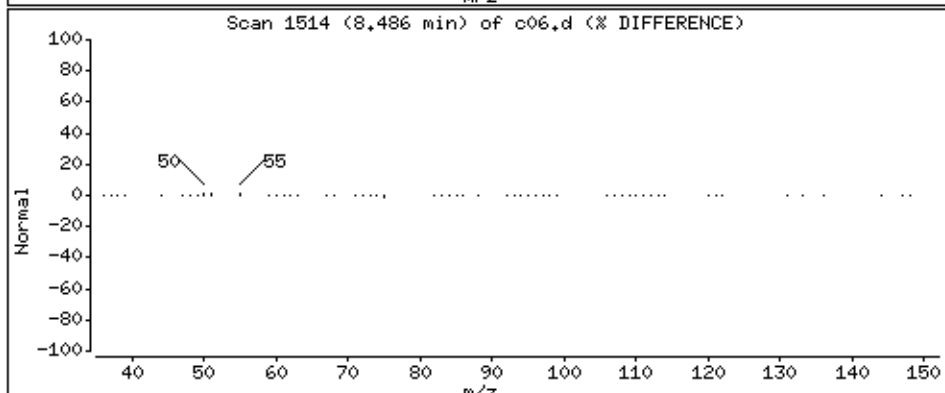
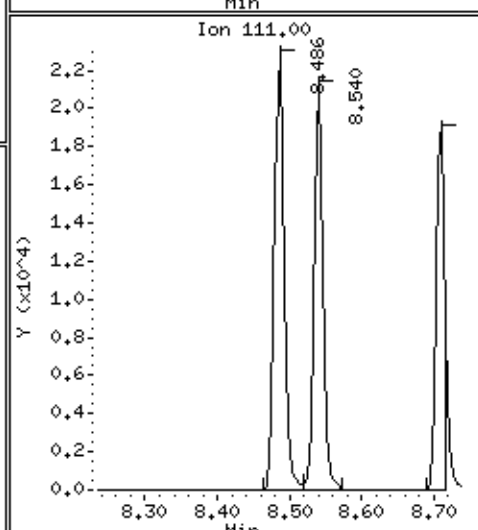
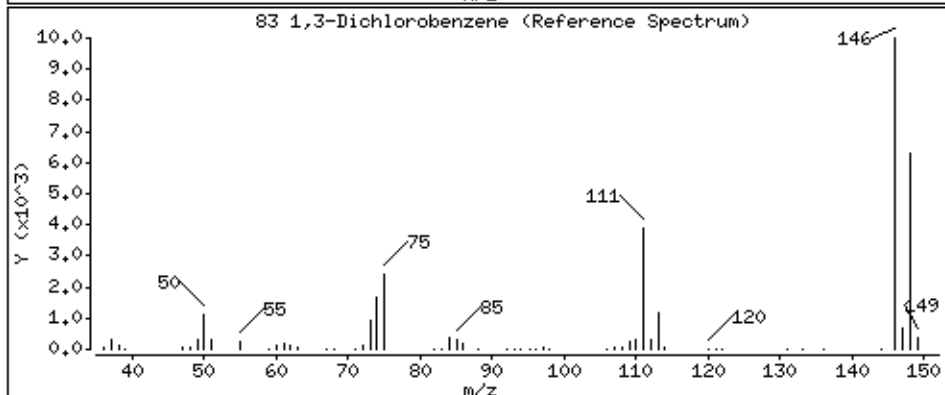
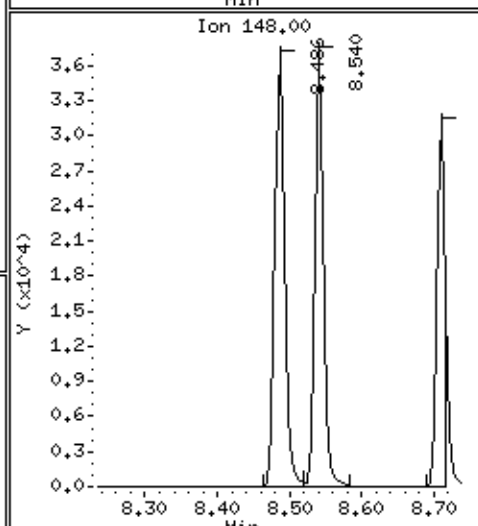
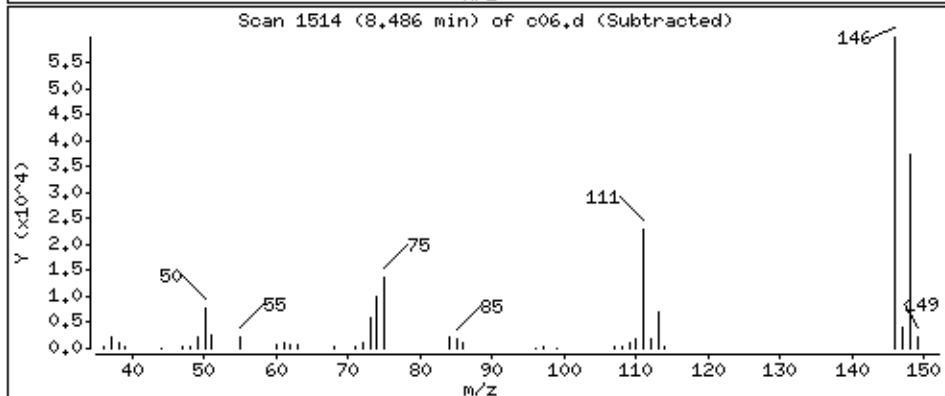
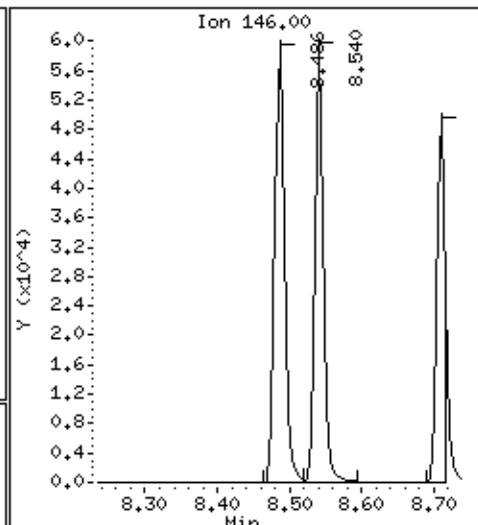
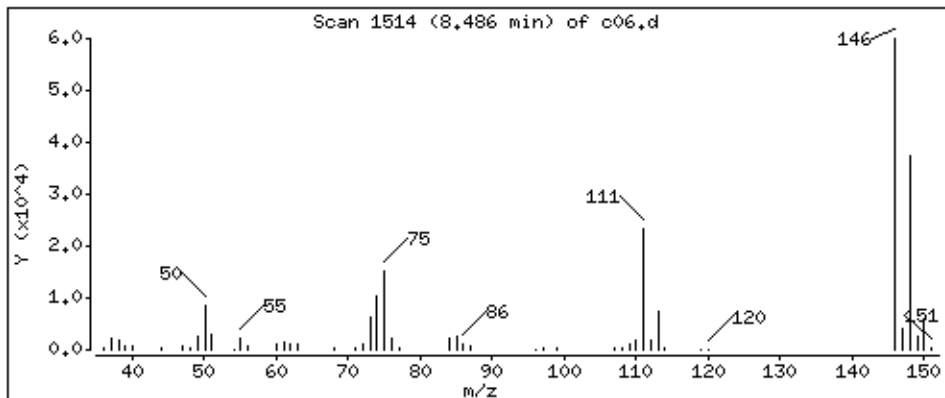
Operator: ala

Column phase: DB-624

Column diameter: 0,18

83 1,3-Dichlorobenzene

Concentration: 52,4 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

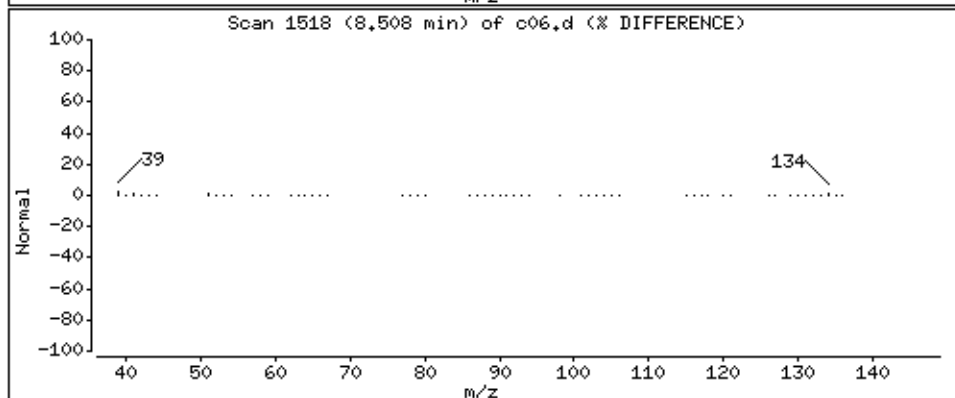
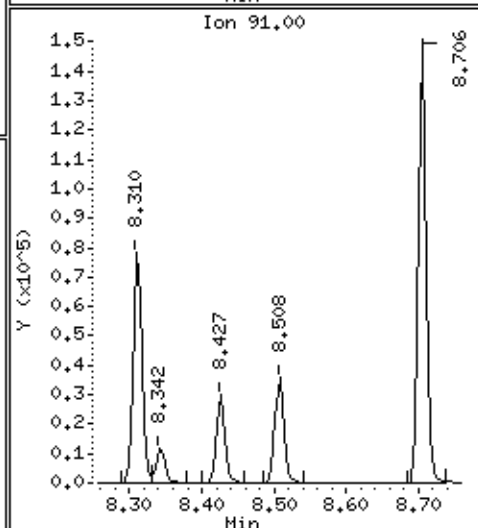
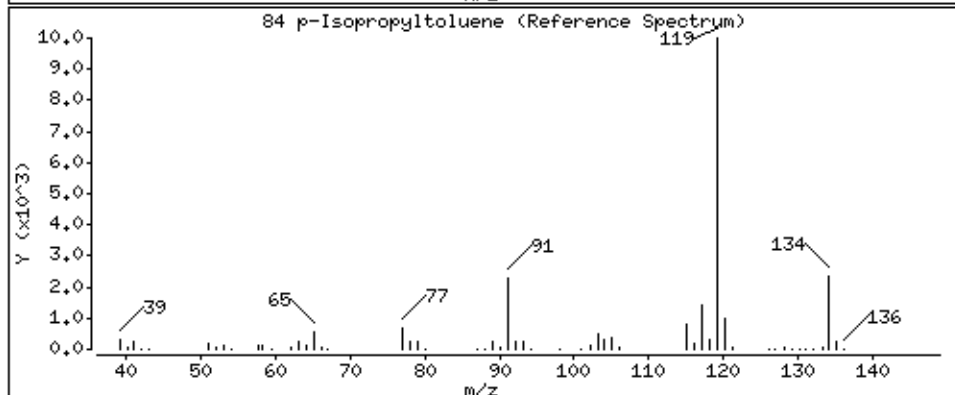
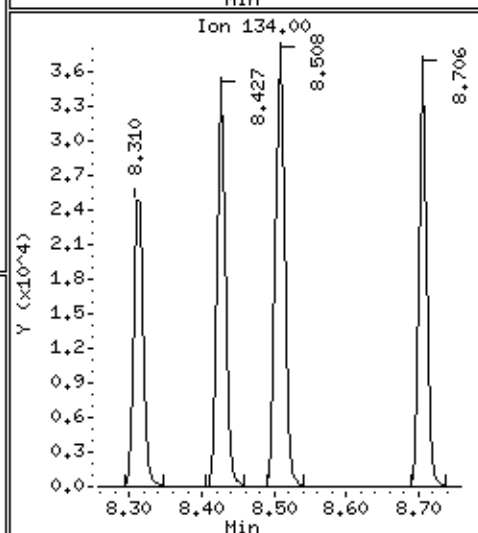
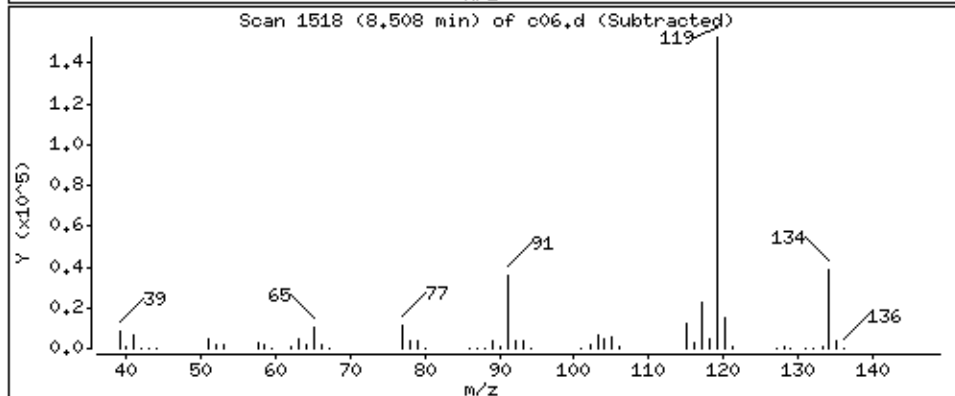
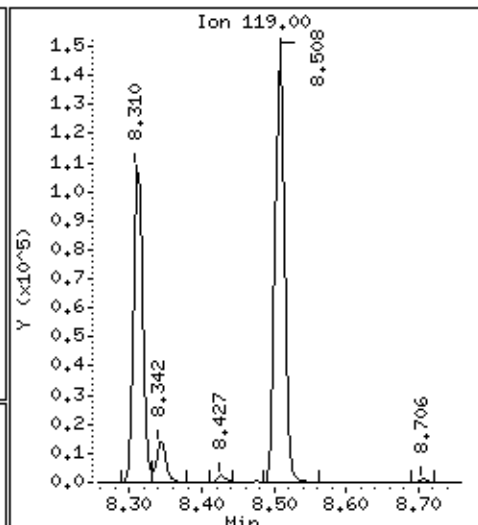
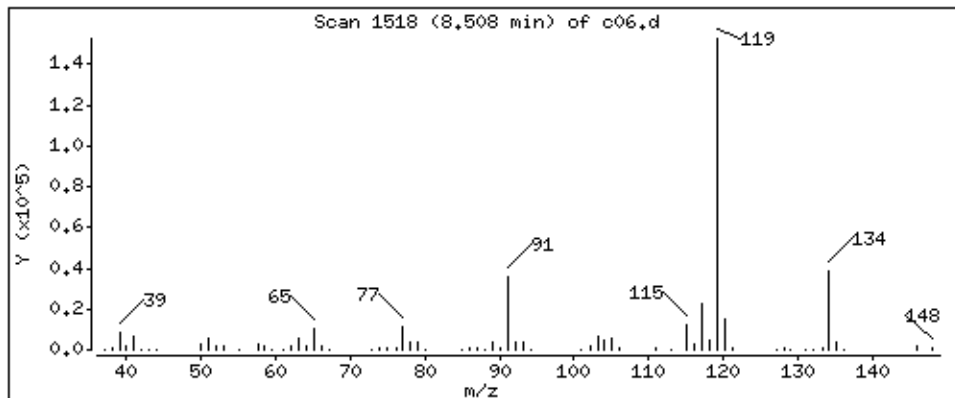
Operator: ala

Column phase: DB-624

Column diameter: 0,18

84 p-Isopropyltoluene

Concentration: 67,6 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

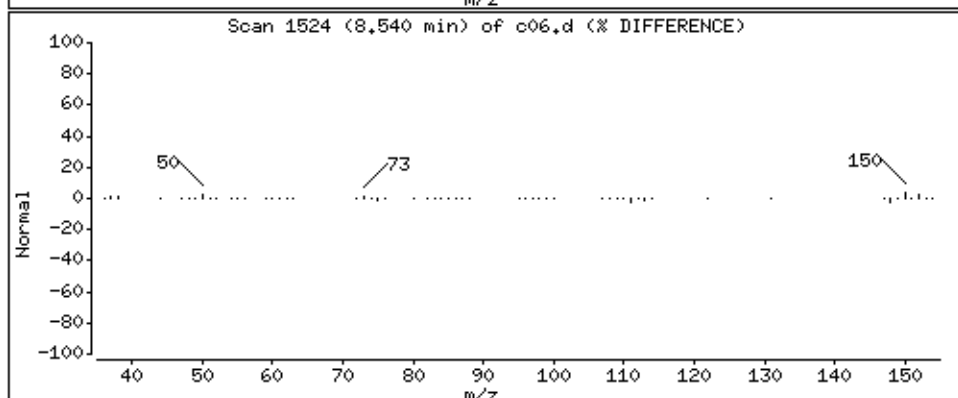
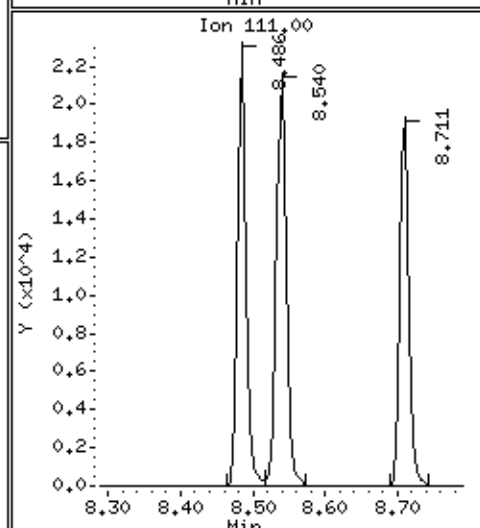
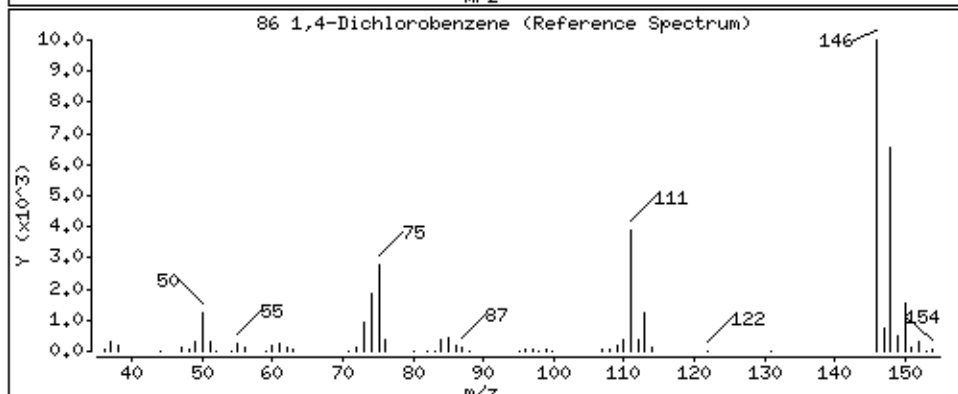
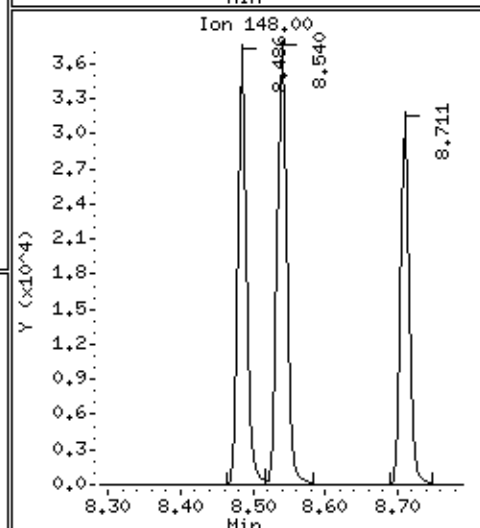
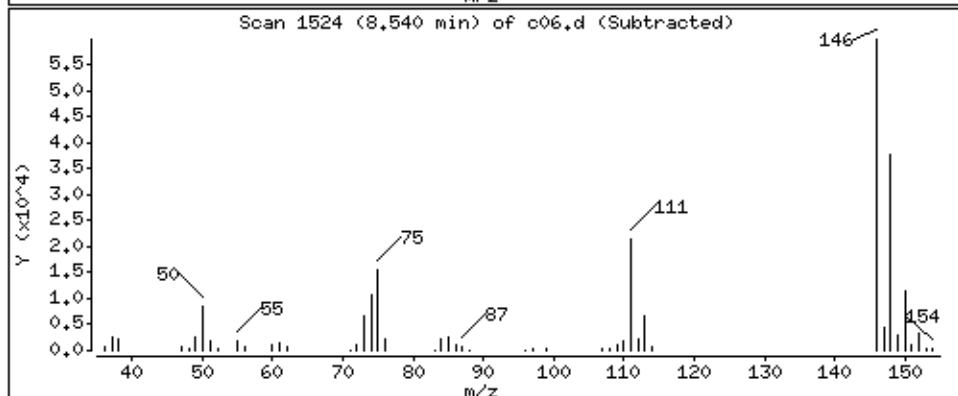
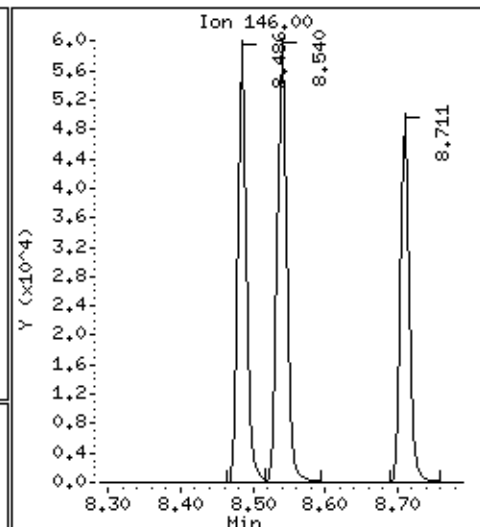
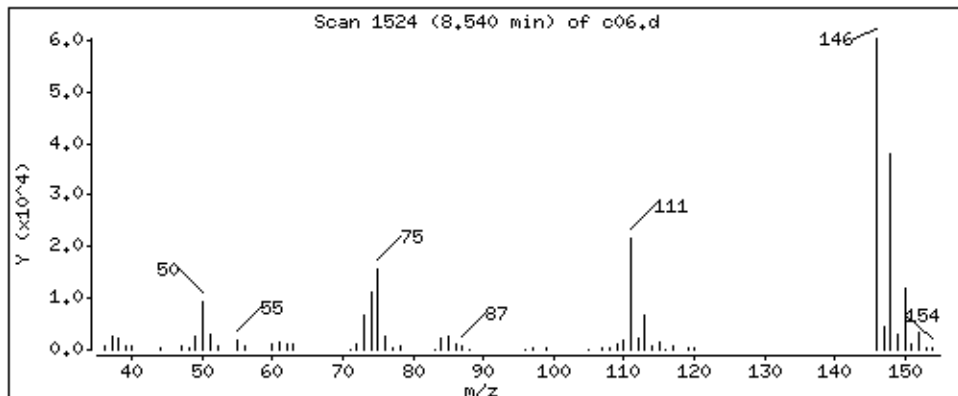
Operator: ala

Column phase: DB-624

Column diameter: 0,18

86 1,4-Dichlorobenzene

Concentration: 49,1 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

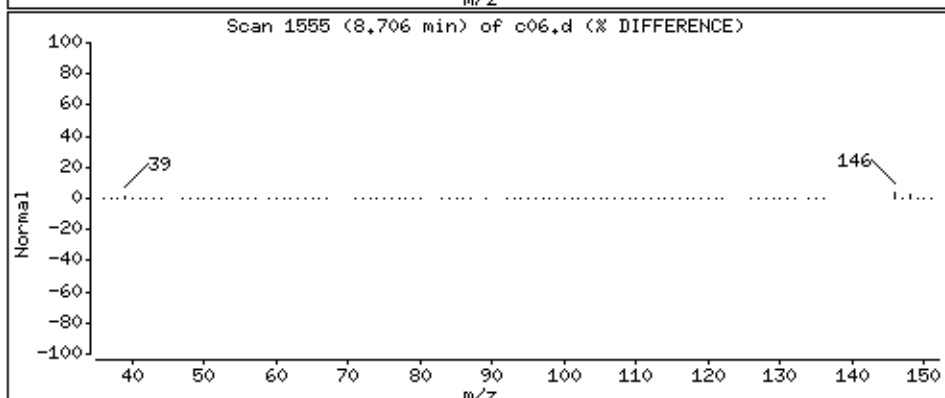
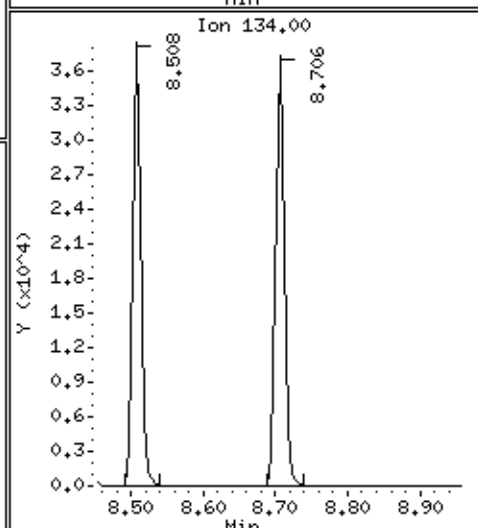
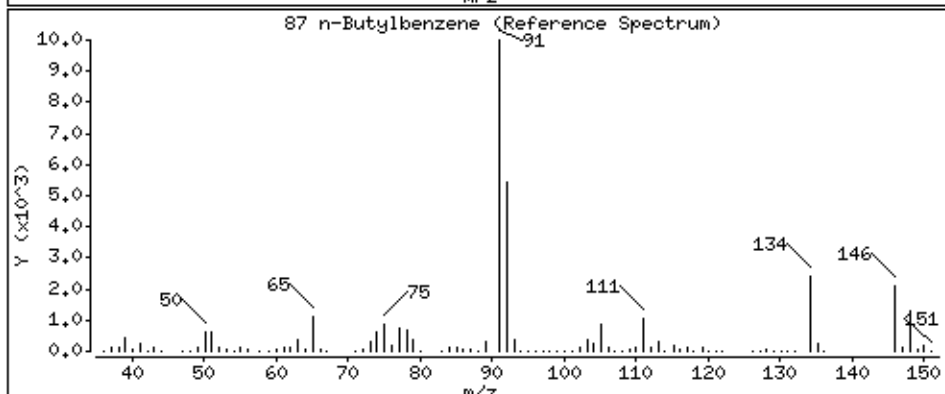
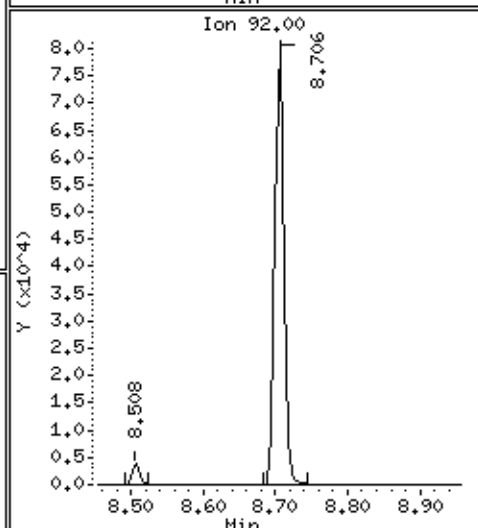
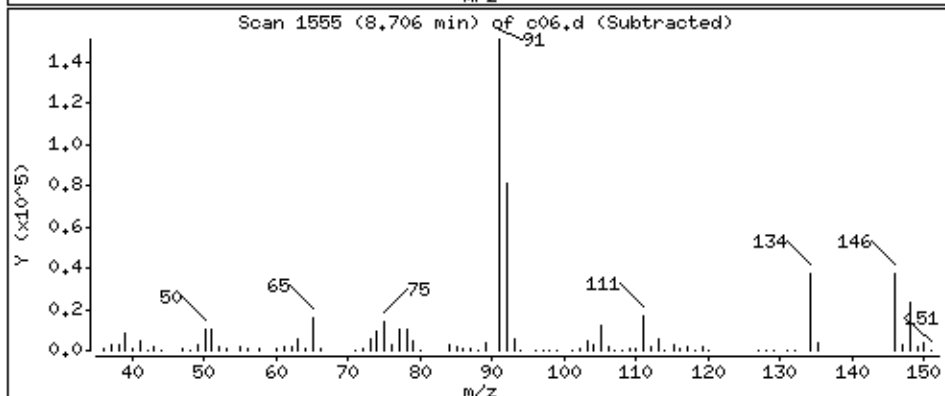
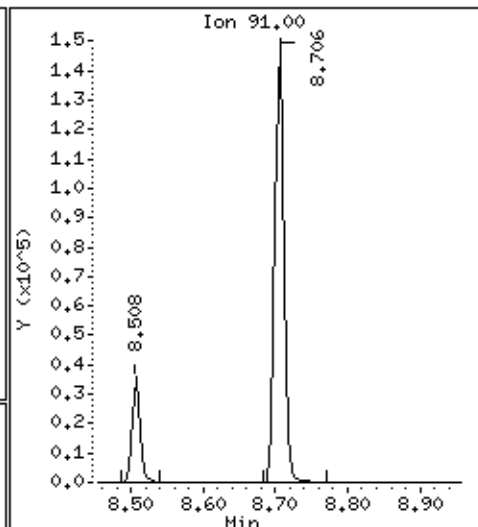
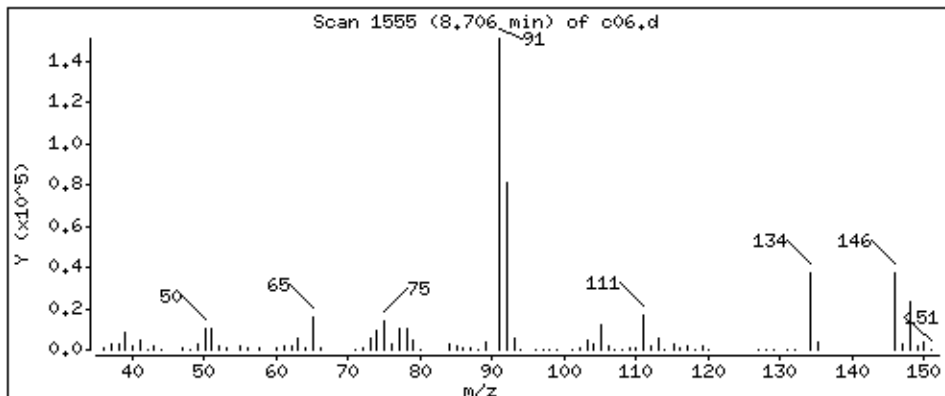
Operator: ala

Column phase: DB-624

Column diameter: 0,18

87 n-Butylbenzene

Concentration: 64,2 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

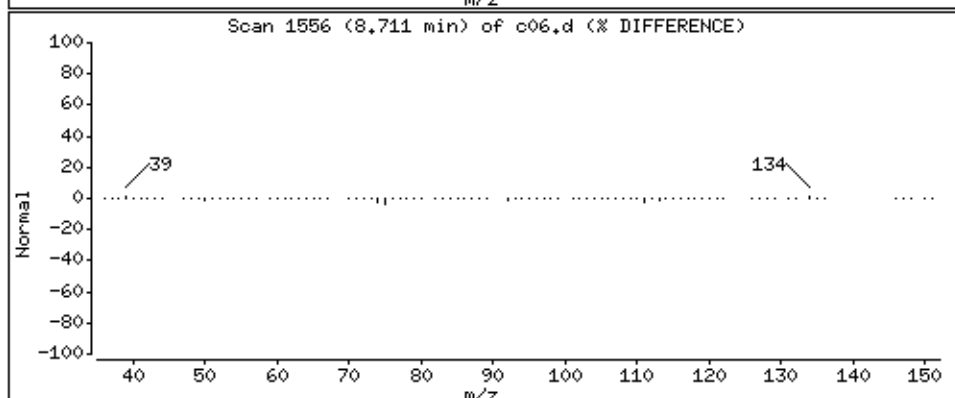
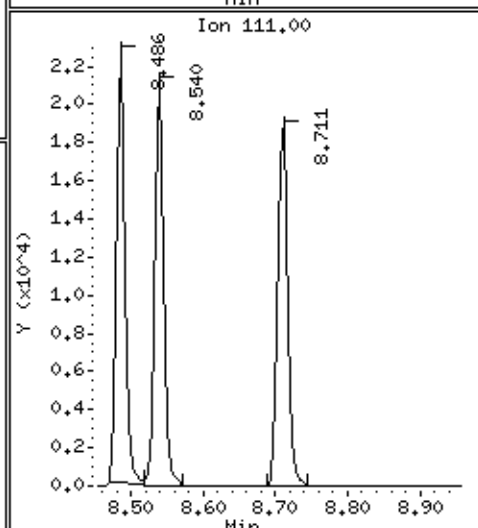
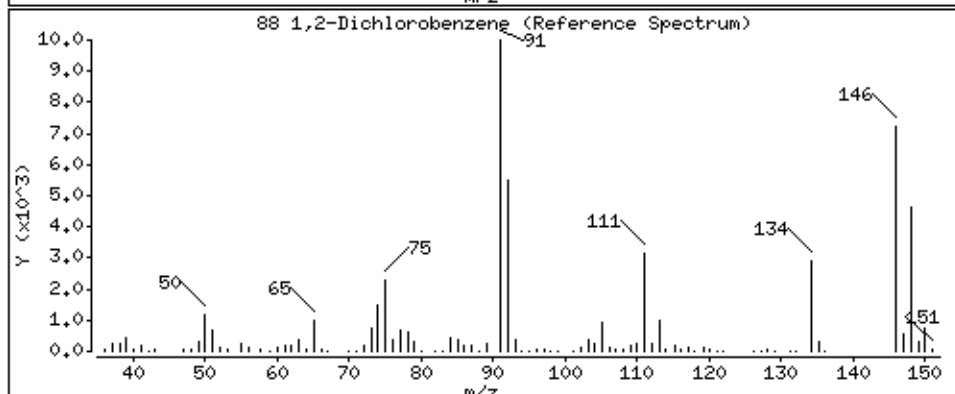
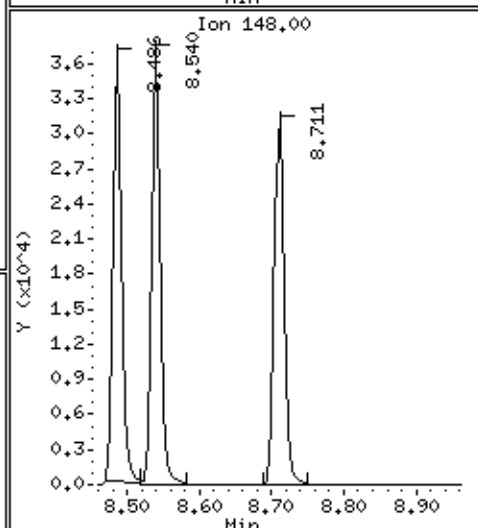
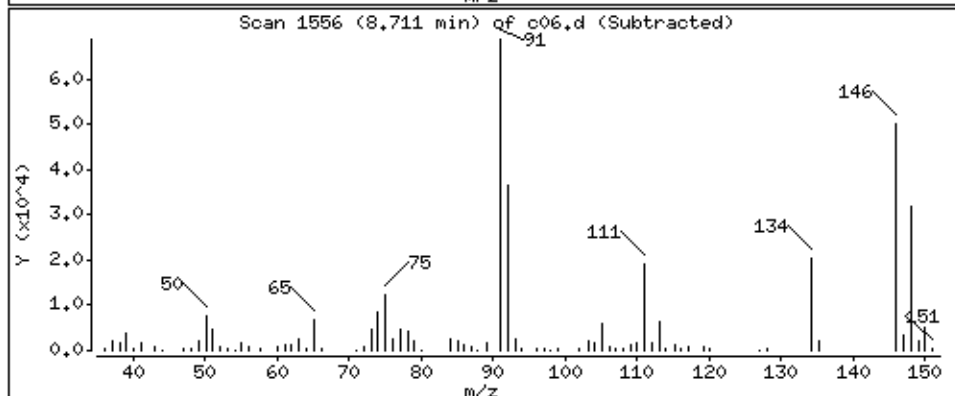
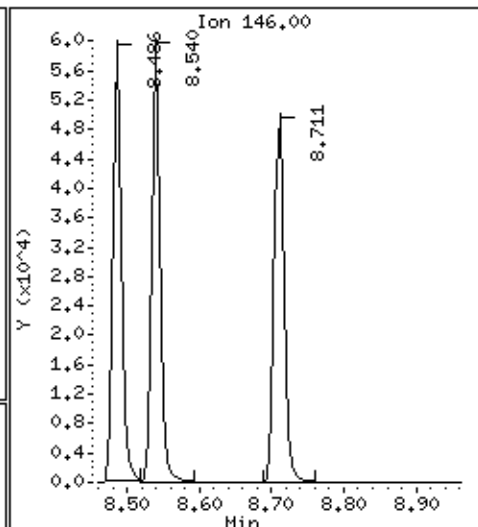
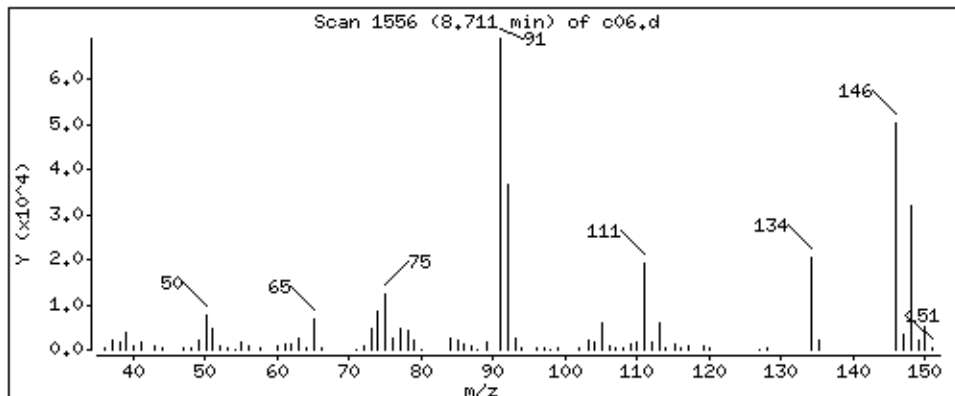
Operator: ala

Column phase: DB-624

Column diameter: 0,18

88 1,2-Dichlorobenzene

Concentration: 48,1 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

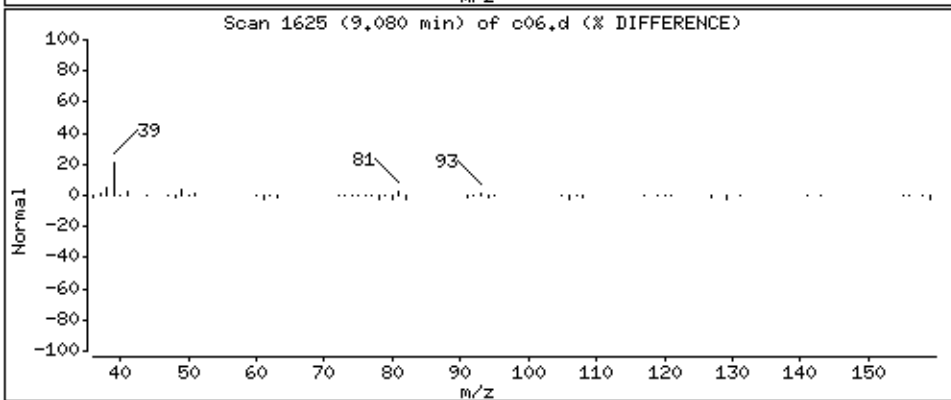
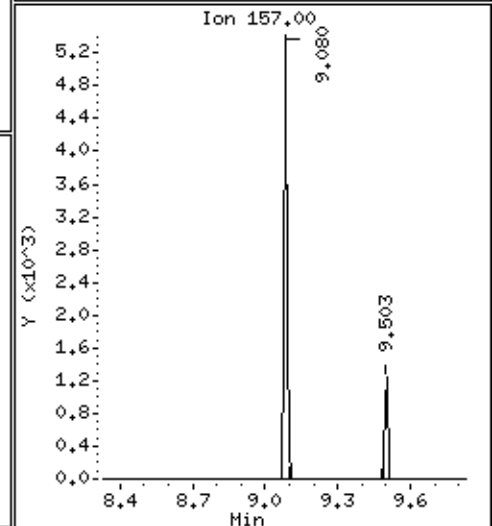
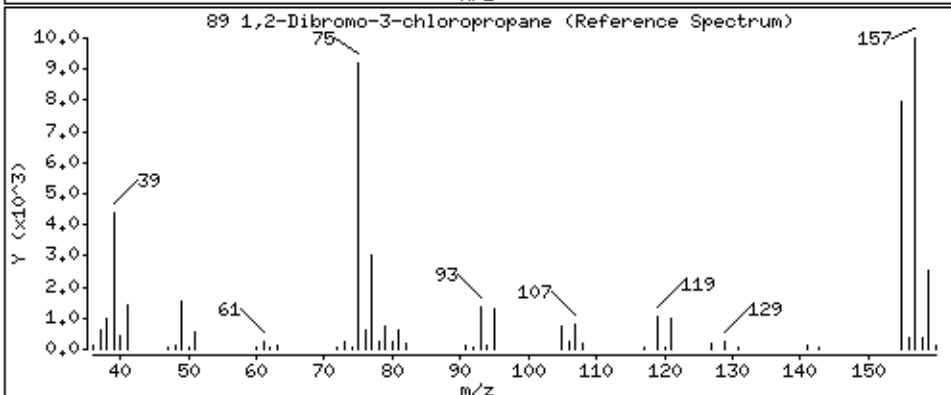
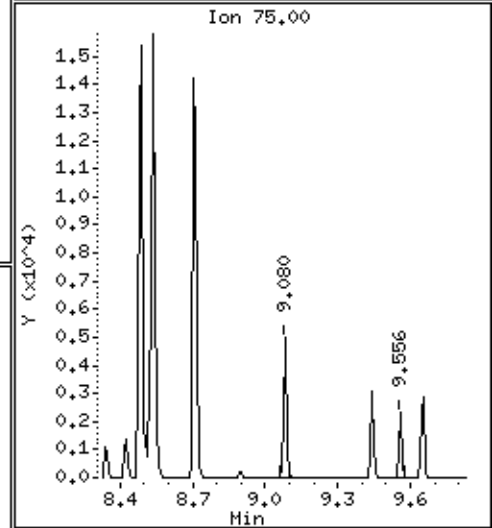
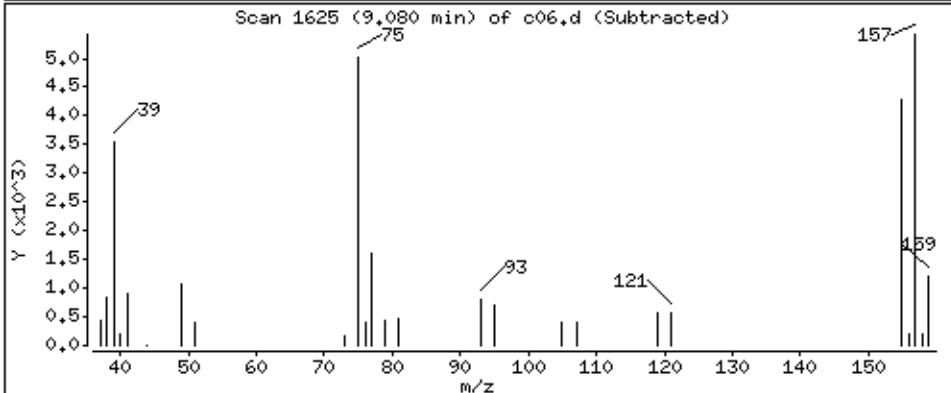
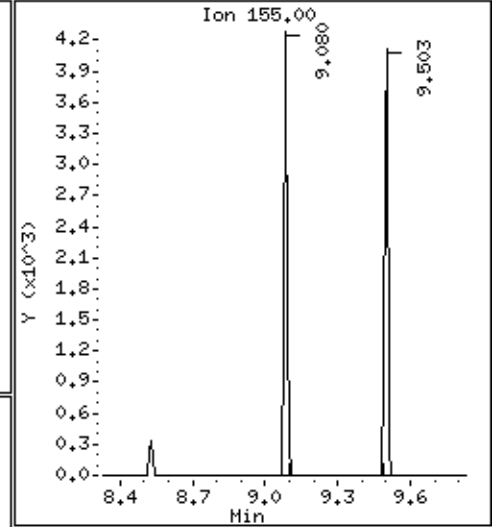
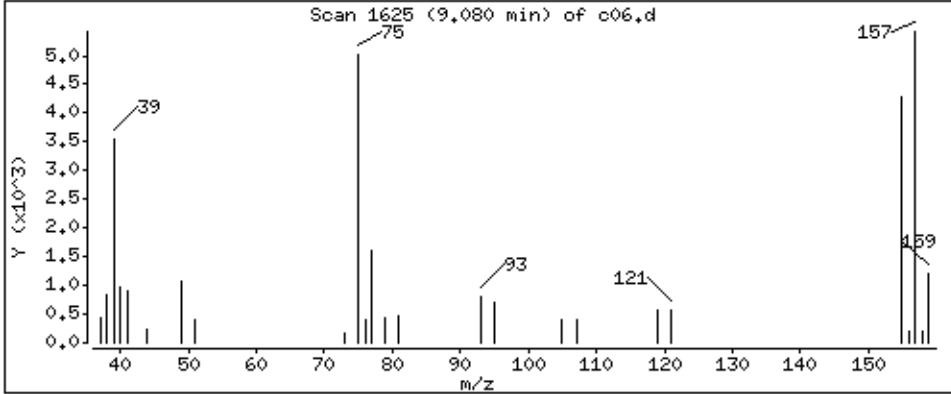
Operator: ala

Column phase: DB-624

Column diameter: 0,18

89 1,2-Dibromo-3-chloropropane

Concentration: 43,1 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

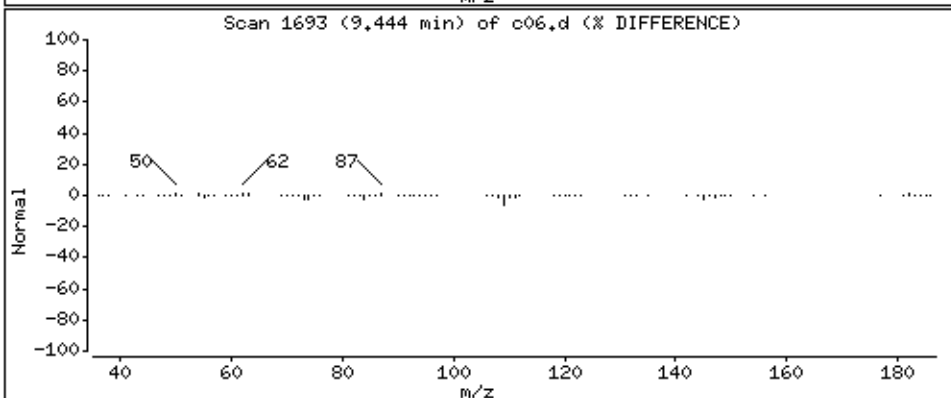
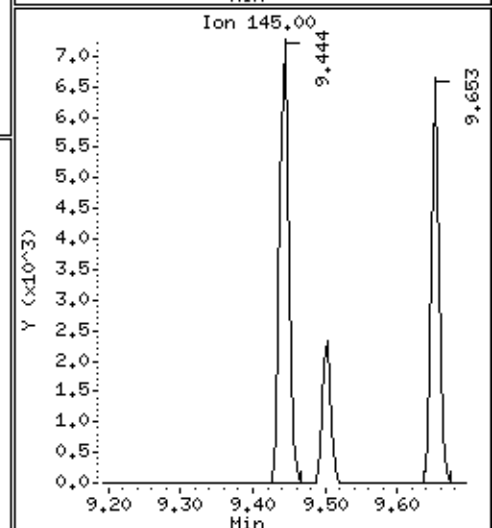
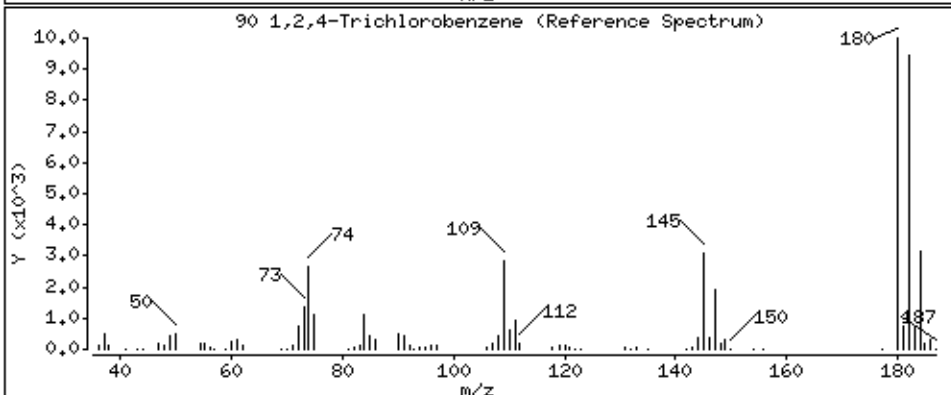
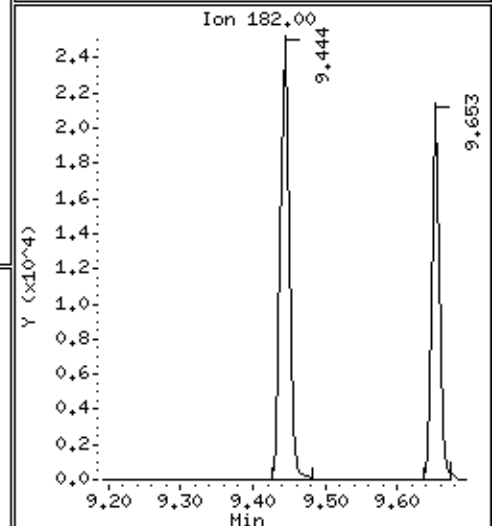
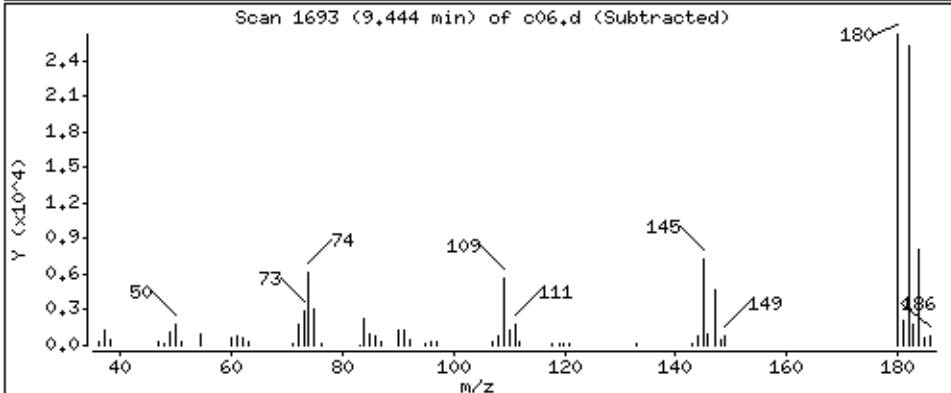
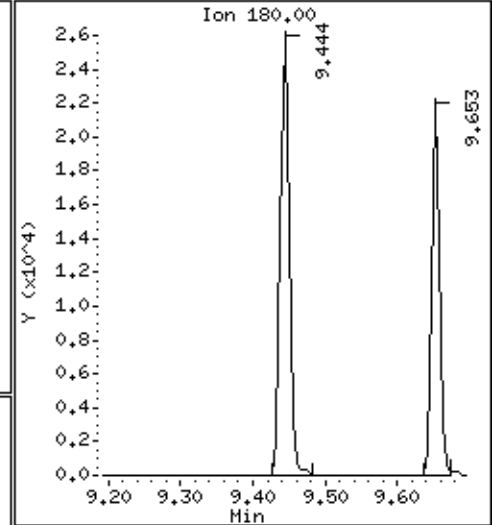
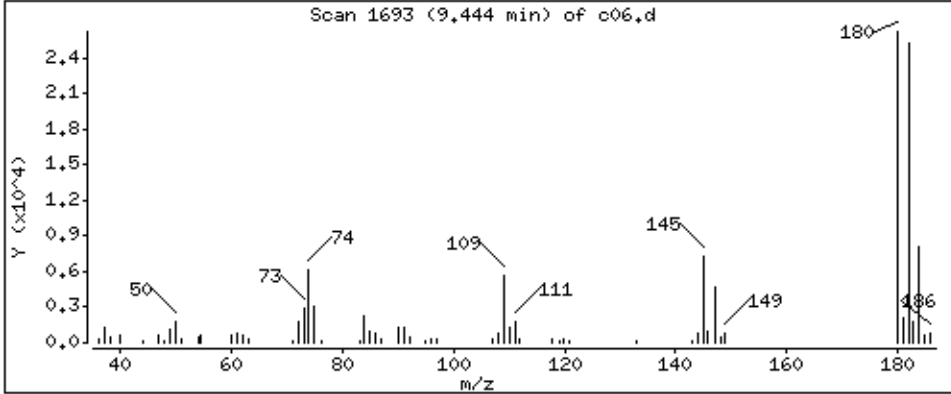
Operator: ala

Column phase: DB-624

Column diameter: 0,18

90 1,2,4-Trichlorobenzene

Concentration: 31,9 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)HSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

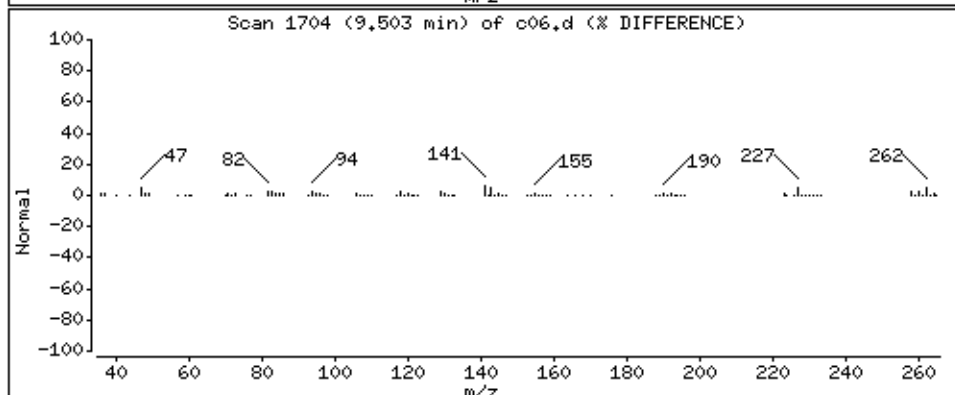
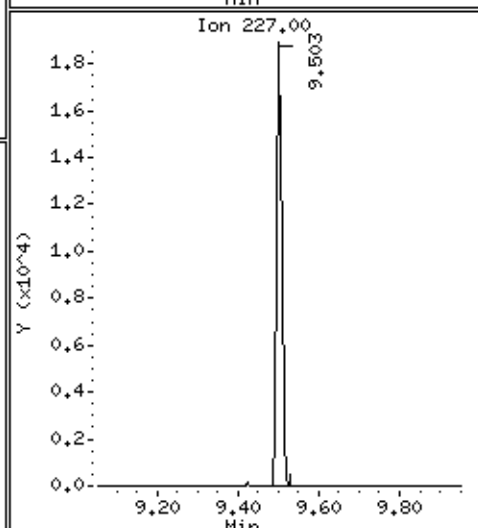
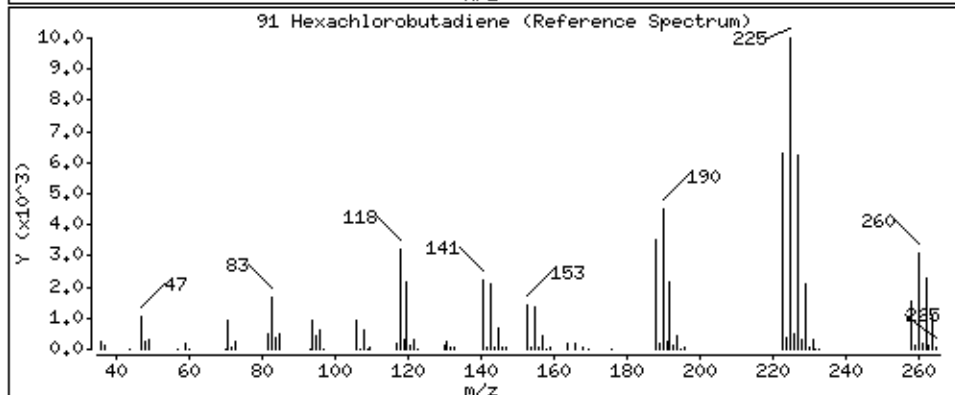
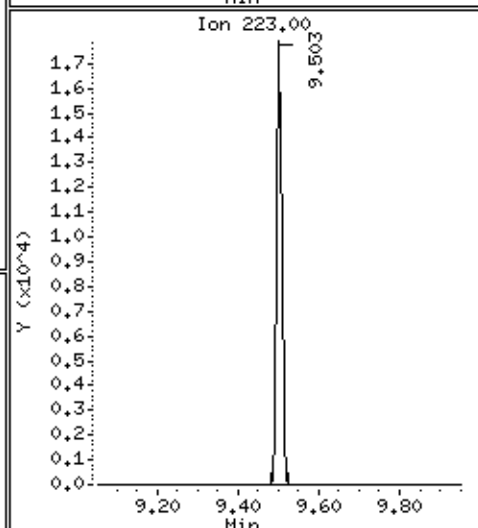
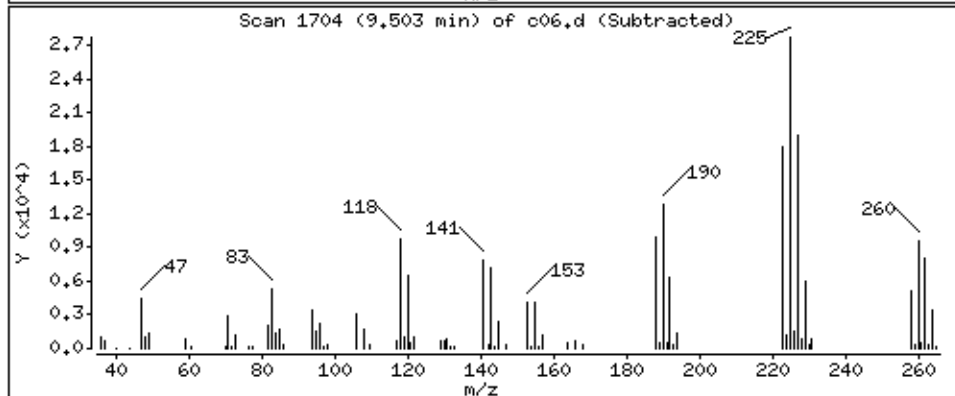
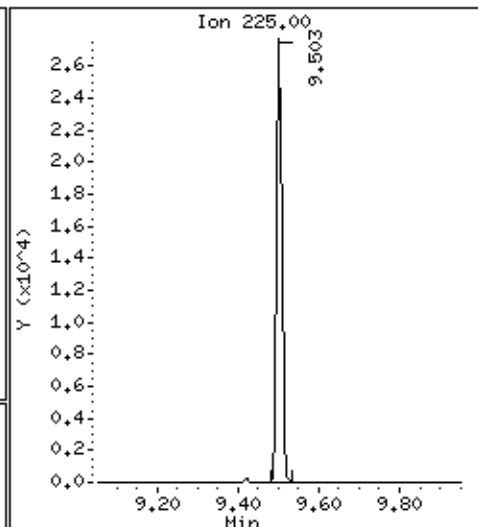
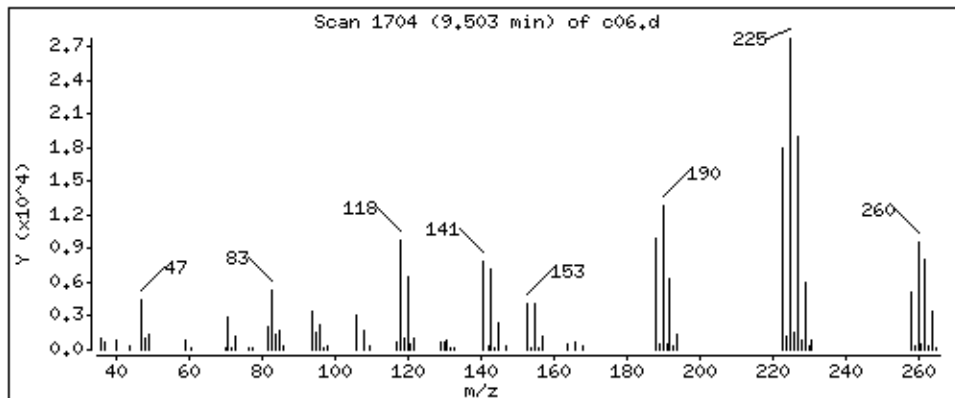
Operator: ala

Column phase: DB-624

Column diameter: 0,18

91 Hexachlorobutadiene

Concentration: 57,1 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730;5

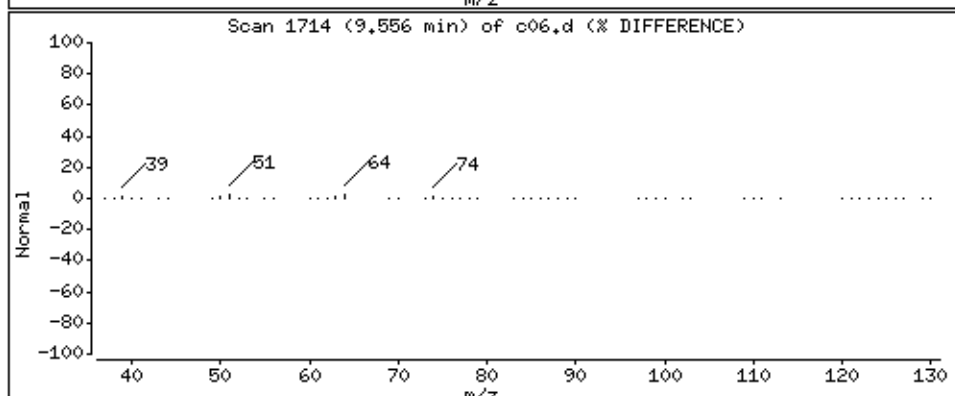
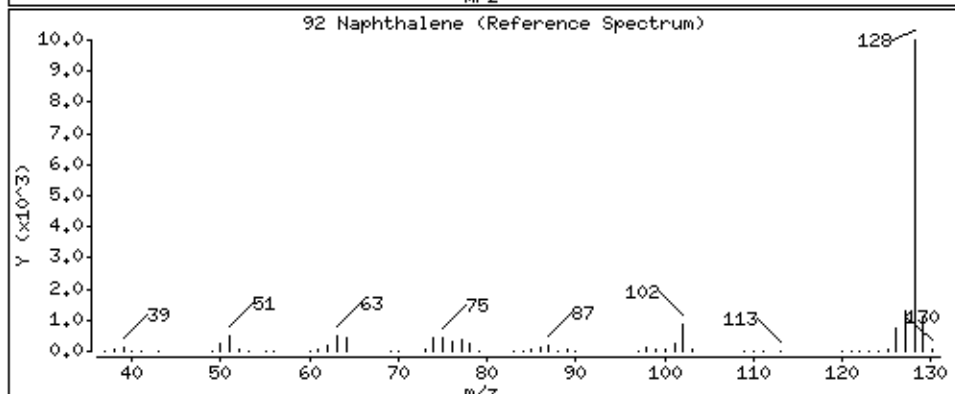
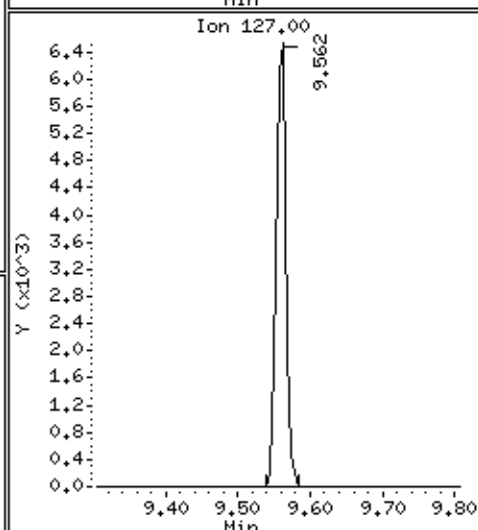
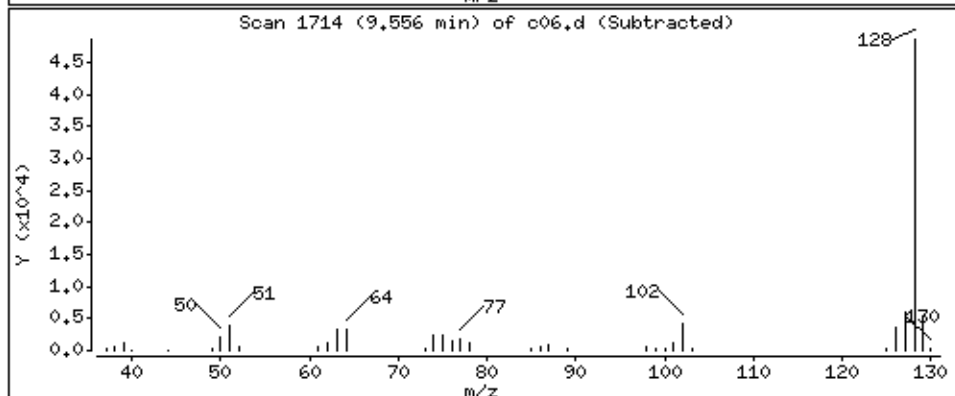
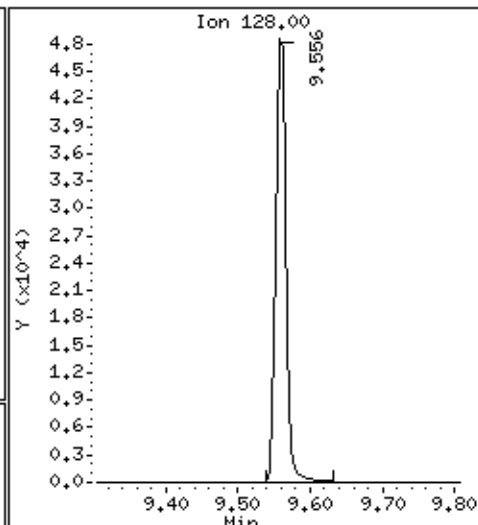
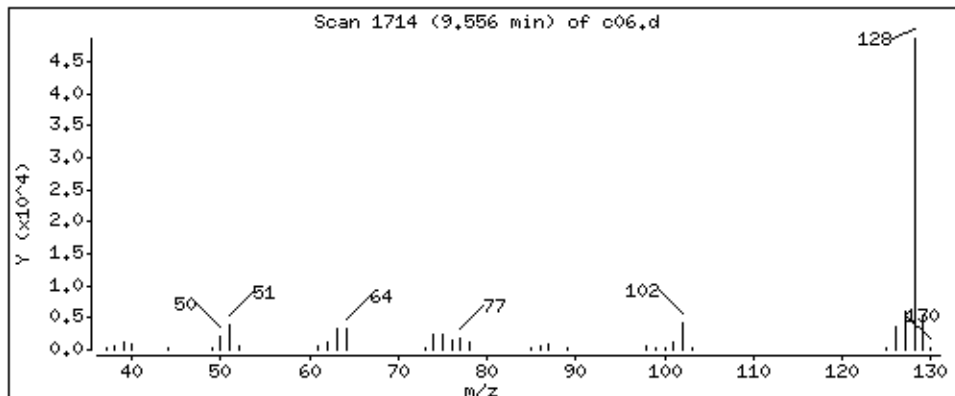
Operator: ala

Column phase: DB-624

Column diameter: 0,18

92 Naphthalene

Concentration: 28,7 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

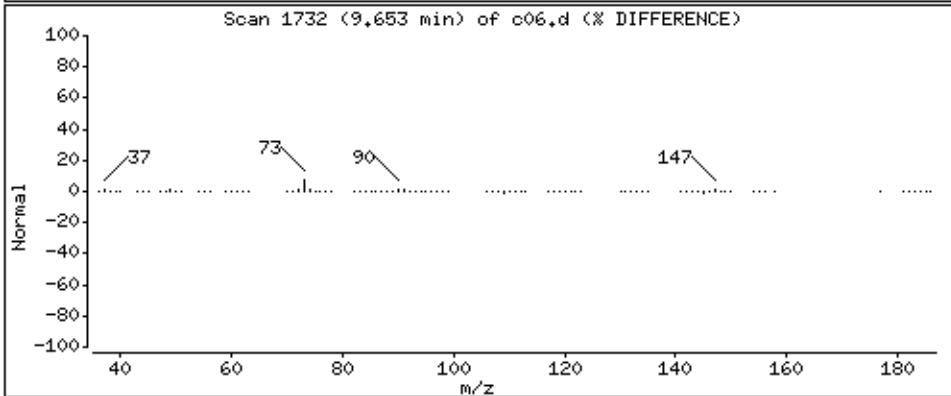
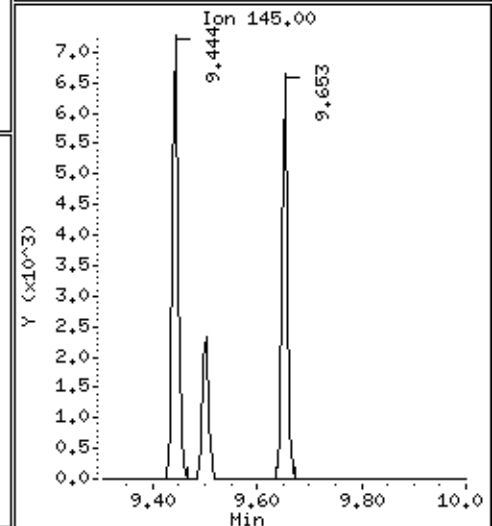
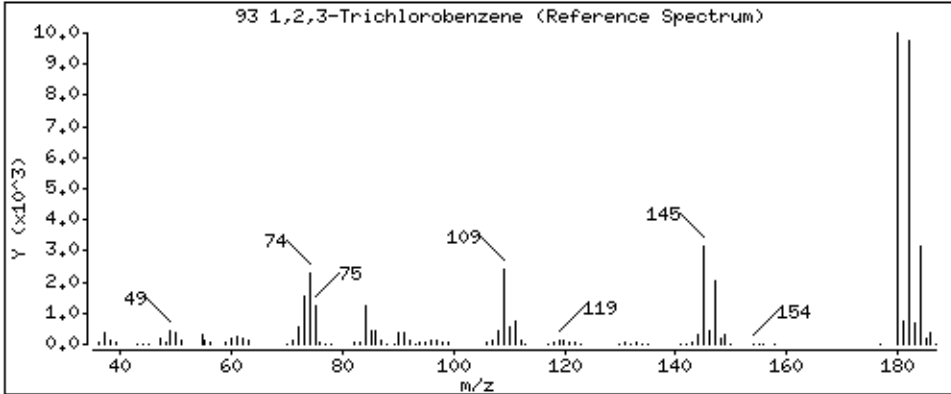
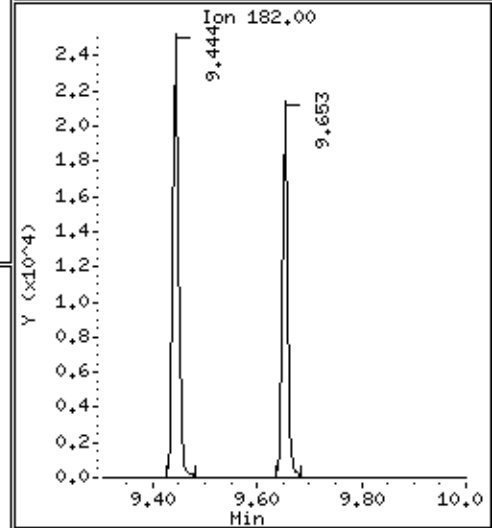
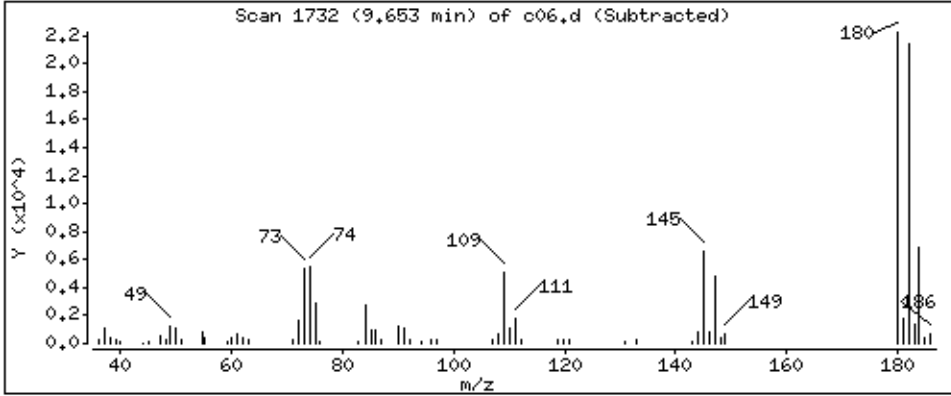
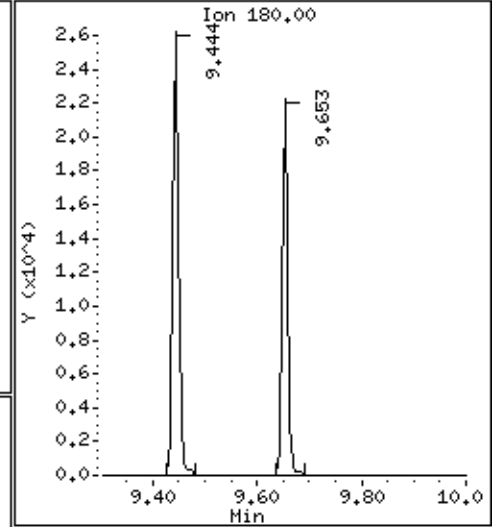
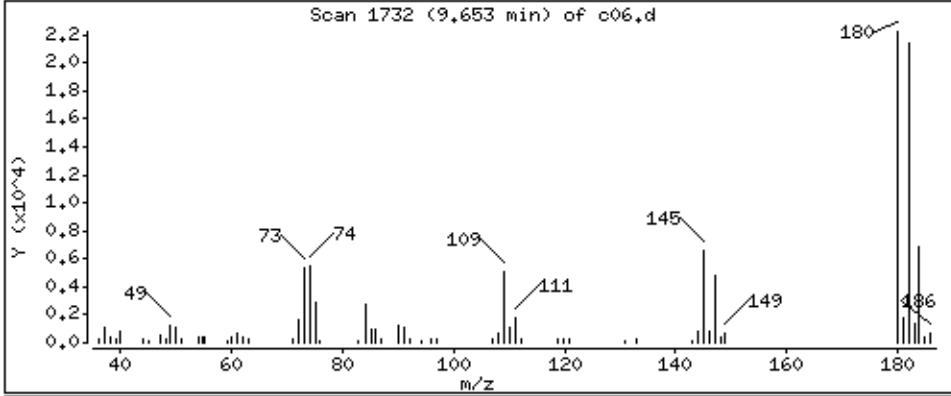
Operator: ala

Column phase: DB-624

Column diameter: 0,18

93 1,2,3-Trichlorobenzene

Concentration: 25,8 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

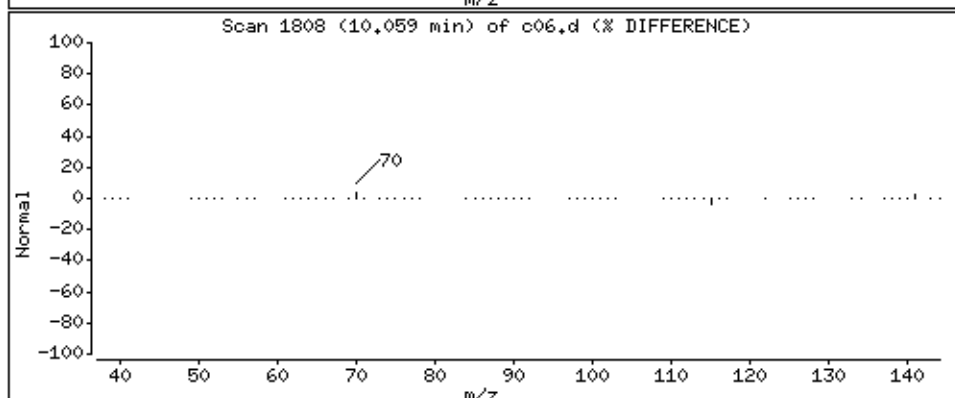
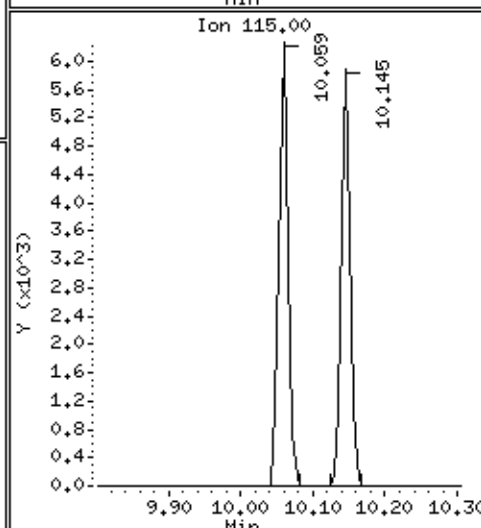
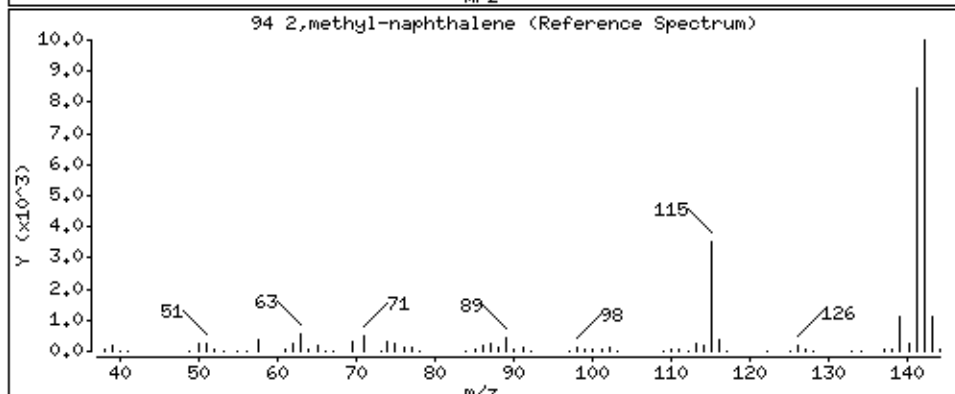
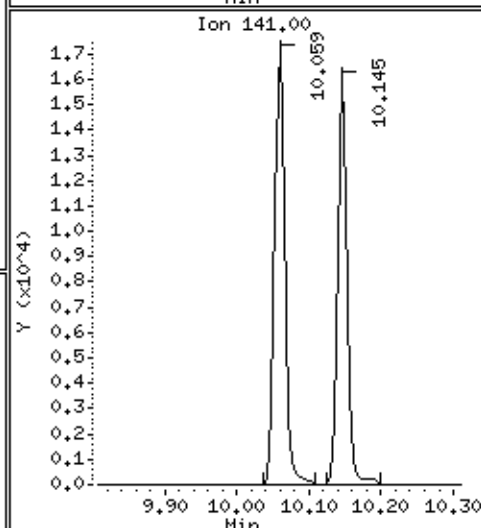
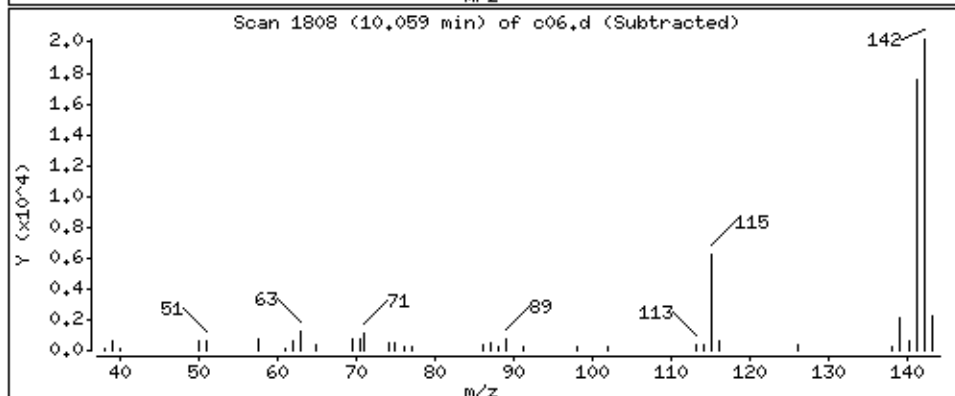
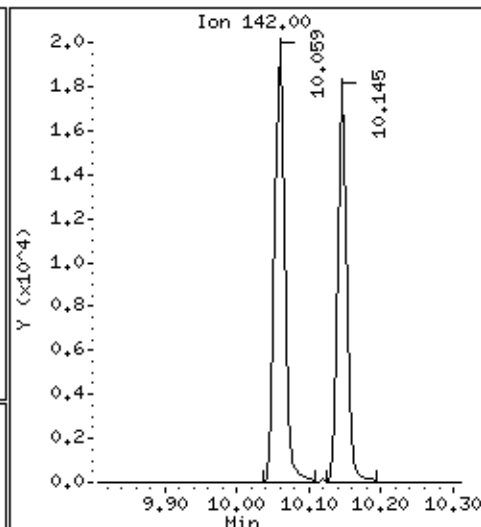
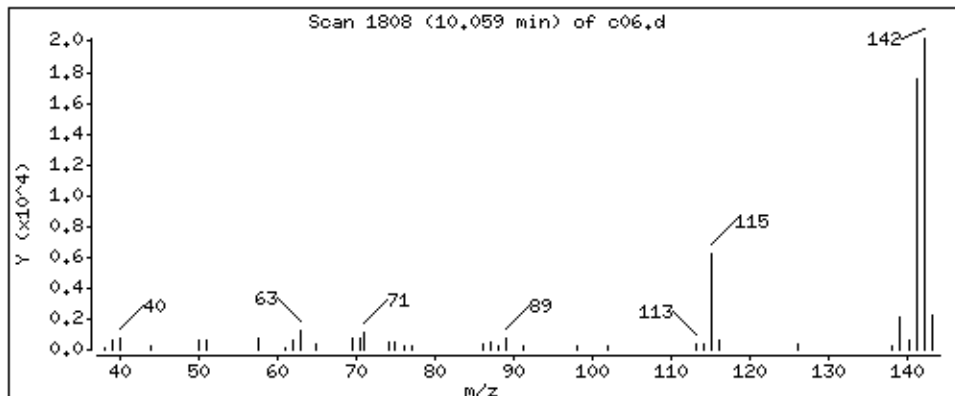
Operator: ala

Column phase: DB-624

Column diameter: 0,18

94 2,methyl-naphthalene

Concentration: 17,0 ppb



Date : 05-SEP-2018 01:47

Client ID: LA 312 (RUG-1S)MSD

Instrument: 50mv6a.i

Sample Info: 2122401,184730:5

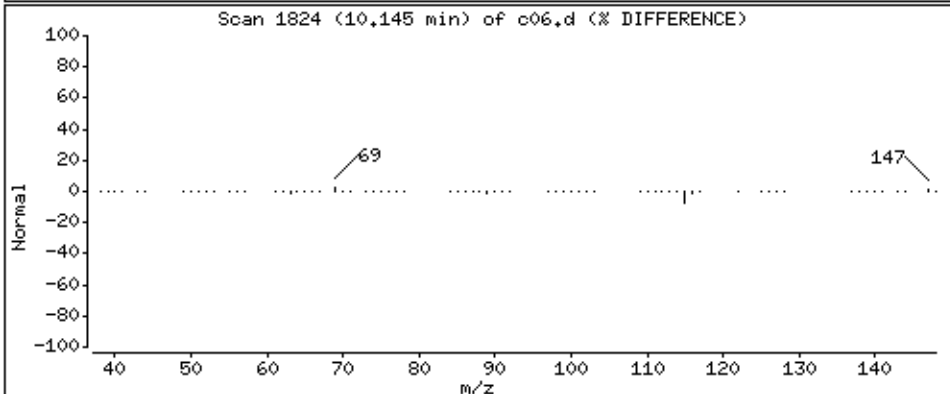
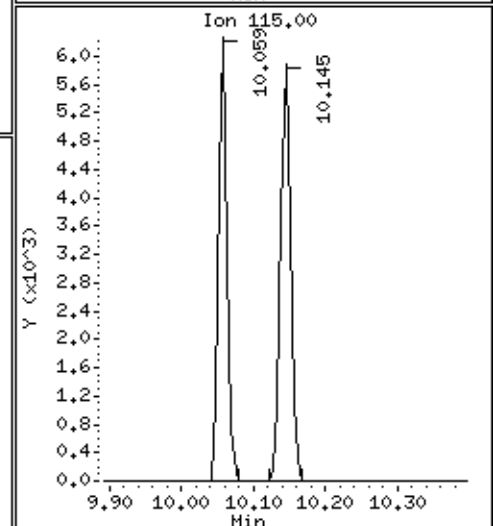
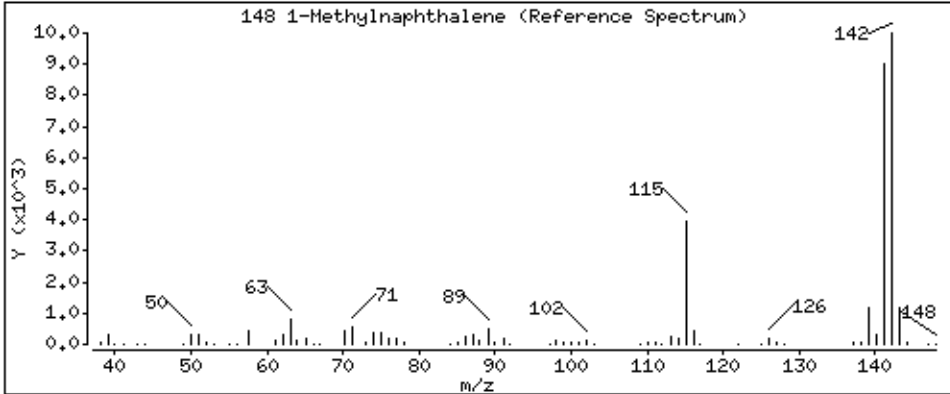
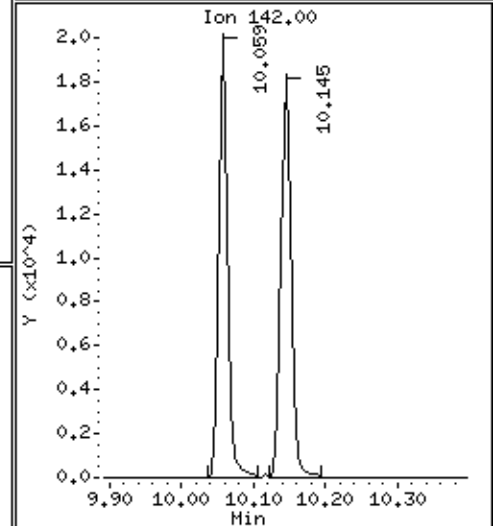
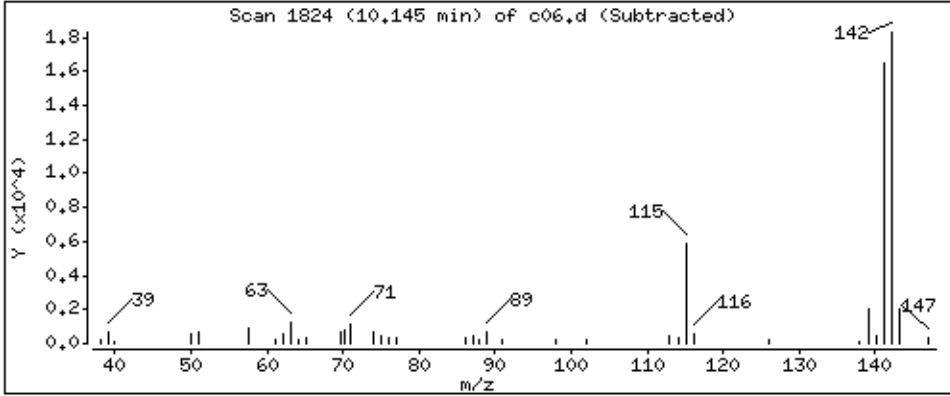
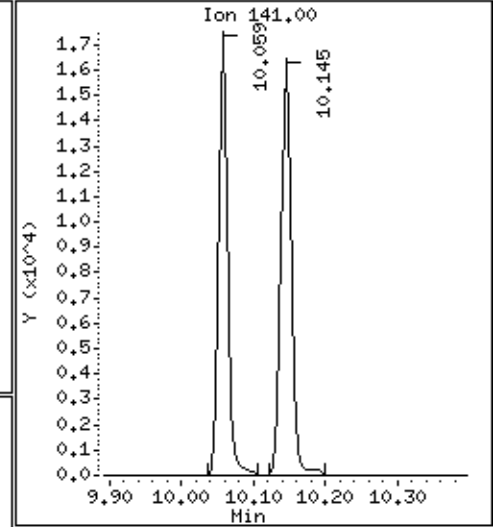
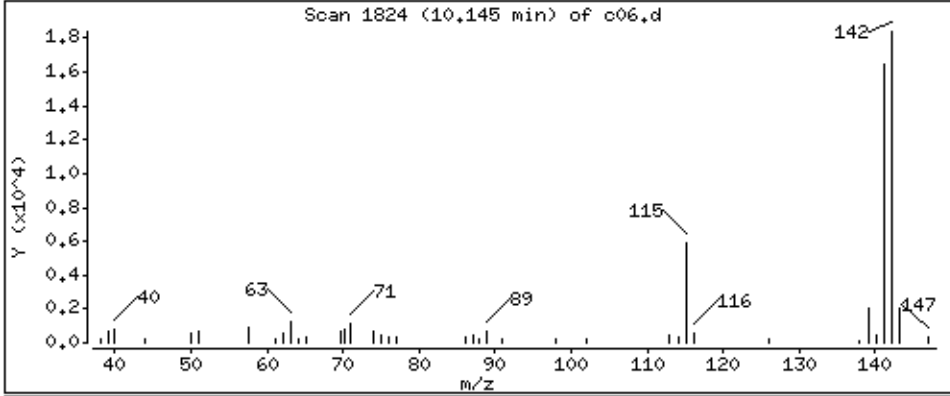
Operator: ala

Column phase: DB-624

Column diameter: 0,18

148 1-Methylnaphthalene

Concentration: 18,0 ppb



Data File: \\192.168.50.6\chem\50mv6a.i\a090418.b/c06.d
Injection Date: 05-SEP-2018 01:47
Instrument: 50mv6a.i
Lab Sample ID: 2122401
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 09/05/2018 12:26
Date Analyzed: 09/05/2018 12:26
Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Solid SDG No.: 50204438
Lab Sample ID: 2122926
Lab File ID: A090518.BVA03MB.D
Instrument: 50MV6A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U

09/10/2018 6:14

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
 Date Received: _____
 Date Extracted: 09/05/2018 12:26
 Date Analyzed: 09/05/2018 12:26
 Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
 Matrix: Solid SDG No.: 50204438
 Lab Sample ID: 2122926
 Lab File ID: A090518.BVA03MB.D
 Instrument: 50MV6A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
179601-23-1	m&p-Xylene	ND	U
95-47-6	o-Xylene	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6a.i\090518.b\03mb.d
 Lab Smp Id: 2122926 Client Smp ID: MB
 Inj Date : 05-SEP-2018 12:26
 Operator : ala Inst ID: 50mv6a.i
 Smp Info : 2122926
 Misc Info : 117899
 Comment :
 Method : \\192.168.50.6\chem\50mv6a.i\090518.b\08260sl_a_c.m
 Meth Date : 06-Sep-2018 15:30 50mv6a.i Quant Type: ISTD
 Cal Date : 28-AUG-2018 14:20 Cal File: a01.d
 Als bottle: 4 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf / (Ws * (100 - M) / 100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

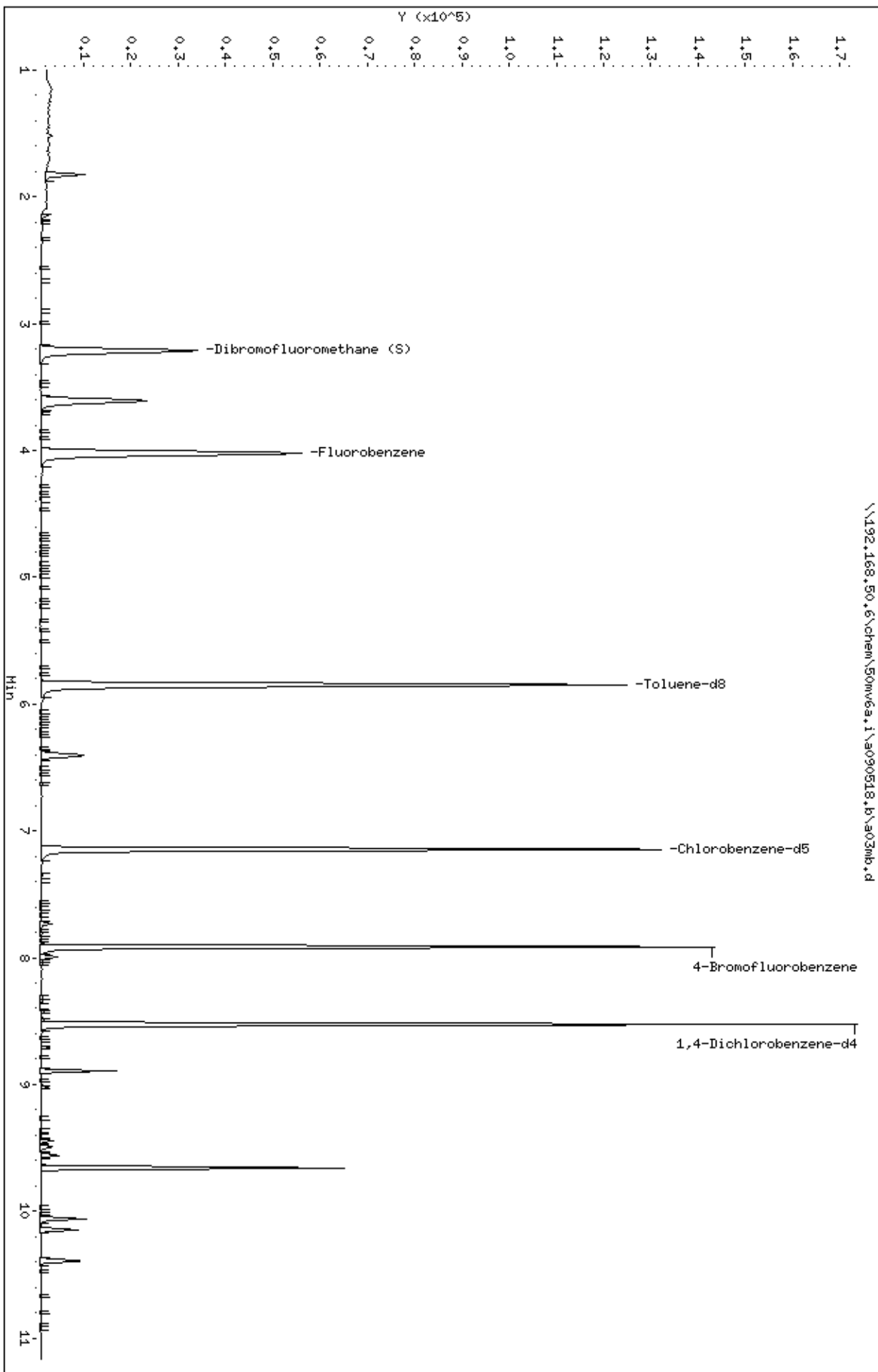
Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ppb)	FINAL (ppb)
\$ 33 Dibromofluoromethane (S)	113		3.211	3.211	(0.798)	22103	52.1285	52.1
* 41 Fluorobenzene	96		4.024	4.024	(1.000)	62872	50.0000	
\$ 51 Toluene-d8	98		5.848	5.848	(0.818)	74622	48.1468	48.1
* 61 Chlorobenzene-d5	117		7.148	7.148	(1.000)	51385	50.0000	
\$ 72 4-Bromofluorobenzene	95		7.913	7.913	(1.107)	26094	49.4086	49.4
* 85 1,4-Dichlorobenzene-d4	152		8.529	8.529	(1.000)	26664	50.0000	
94 2,methyl-naphthalene	142		10.059	10.059	(1.179)	3109	3.49339	3.49
148 1-Methylnaphthalene	141		10.144	10.144	(1.189)	2396	3.32290	3.32

Data File: \\192.168.50.6\chem\50mw6a.i\9090518.b\903mb.d
Date: 05-SEP-2018 12:26
Client ID: HB
Sample Info: 2122926

Column phase: DB-624

Instrument: 50mw6a.i
Operator: alia
Column diameter: 0.18

\\192.168.50.6\chem\50mw6a.i\9090518.b\903mb.d



Date : 05-SEP-2018 12:26

Client ID: MB

Instrument: 50mv6a.i

Sample Info: 2122926

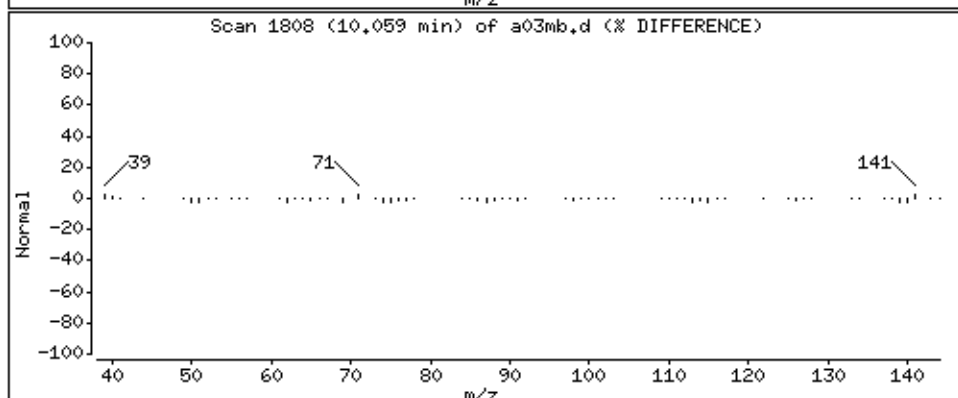
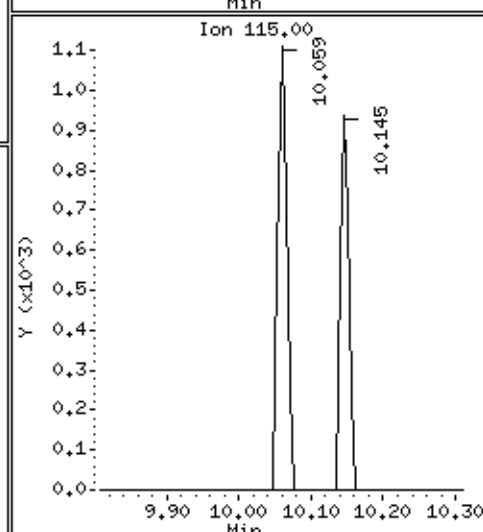
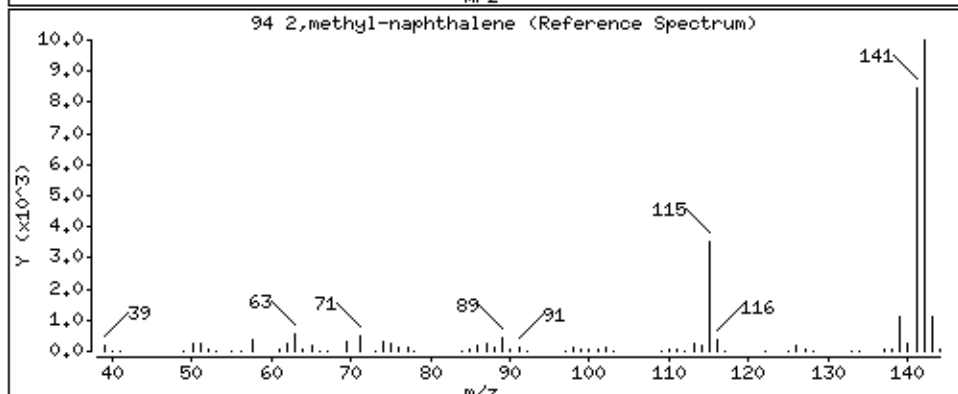
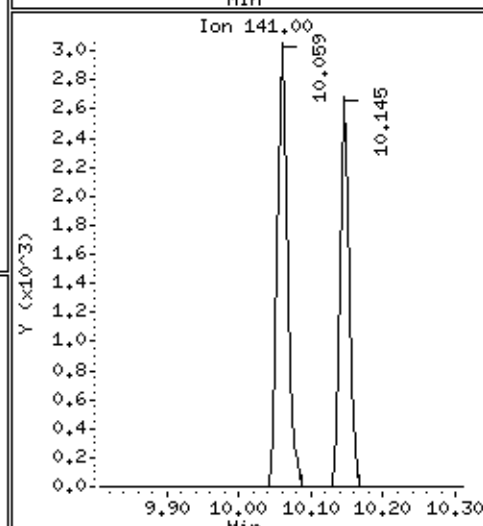
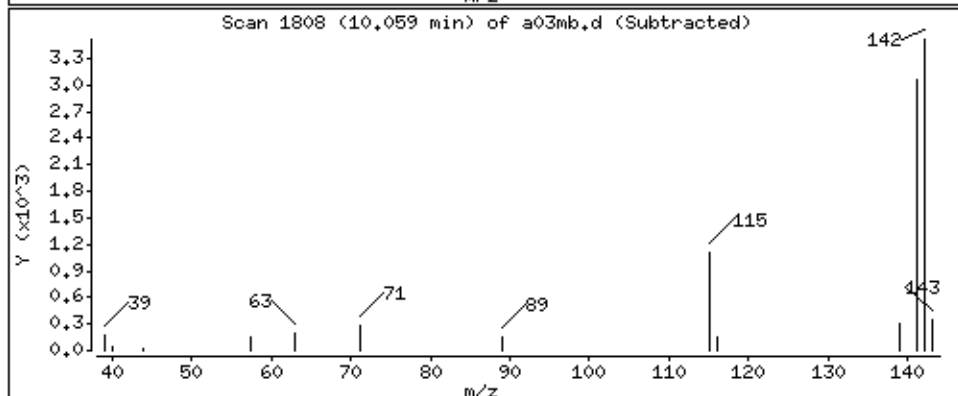
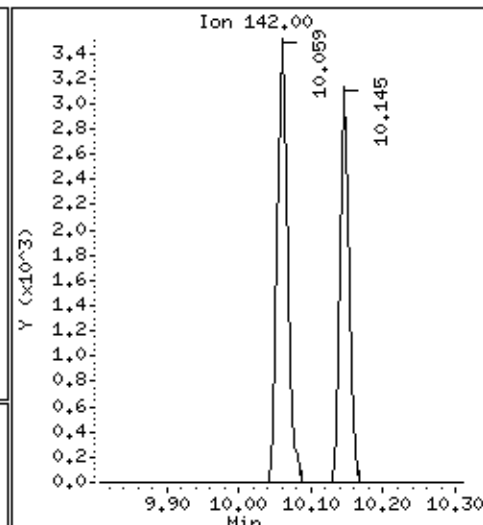
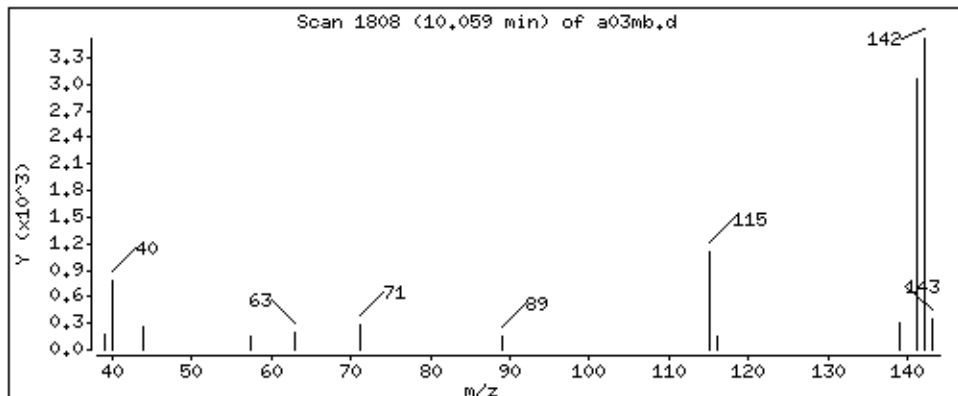
Operator: ala

Column phase: DB-624

Column diameter: 0,18

94 2,methyl-naphthalene

Concentration: 3,49 ppb



Date : 05-SEP-2018 12:26

Client ID: MB

Instrument: 50mv6a.i

Sample Info: 2122926

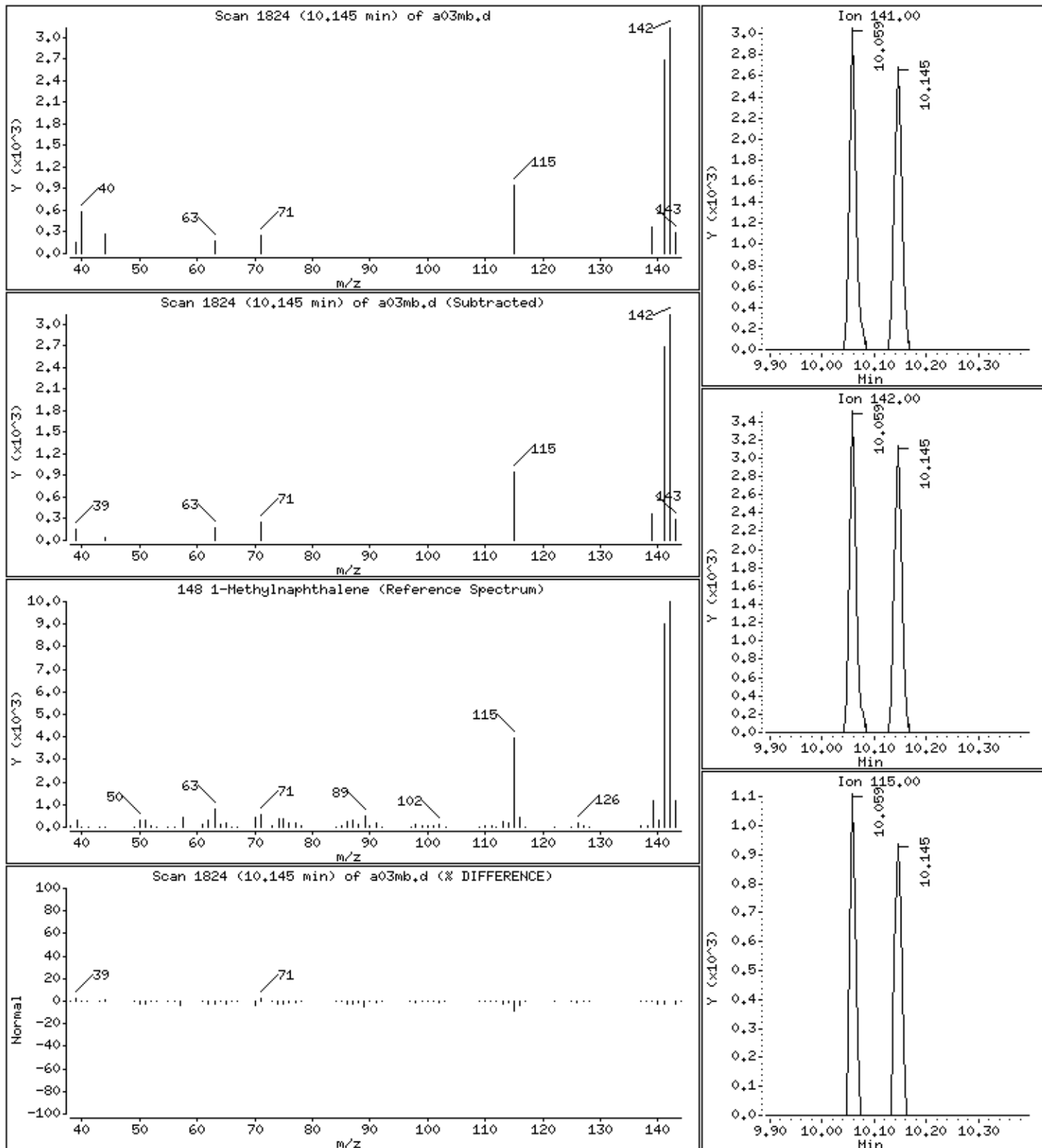
Operator: ala

Column phase: DB-624

Column diameter: 0,18

148 1-Methylnaphthalene

Concentration: 3,32 ppb



Data File: \\192.168.50.6\chem\50mv6a.i\a090518.b/a03mb.d
Injection Date: 05-SEP-2018 12:26
Instrument: 50mv6a.i
Lab Sample ID: 2122926
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 09/05/2018 11:48
Date Analyzed: 09/05/2018 11:48
Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Solid SDG No.: 50204438
Lab Sample ID: 2122927
Lab File ID: A090518.BVA02LCS.D
Instrument: 50MV6A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	345	
107-02-8	Acrolein	1300	
71-43-2	Benzene	48.0	
75-27-4	Bromodichloromethane	47.8	
75-25-2	Bromoform	41.8	
74-83-9	Bromomethane	38.7	
78-93-3	2-Butanone (MEK)	230	
104-51-8	n-Butylbenzene	46.5	
135-98-8	sec-Butylbenzene	46.1	
98-06-6	tert-Butylbenzene	34.3	
75-15-0	Carbon disulfide	47.0	
56-23-5	Carbon tetrachloride	47.6	
108-90-7	Chlorobenzene	44.7	
75-00-3	Chloroethane	49.7	
67-66-3	Chloroform	43.1	
74-87-3	Chloromethane	37.4	
106-93-4	1,2-Dibromoethane (EDB)	40.7	
74-95-3	Dibromomethane	49.5	
95-50-1	1,2-Dichlorobenzene	43.8	
541-73-1	1,3-Dichlorobenzene	43.8	
106-46-7	1,4-Dichlorobenzene	42.6	
75-71-8	Dichlorodifluoromethane	46.7	
75-34-3	1,1-Dichloroethane	45.7	
107-06-2	1,2-Dichloroethane	48.4	
75-35-4	1,1-Dichloroethene	49.2	
156-59-2	cis-1,2-Dichloroethene	46.8	
156-60-5	trans-1,2-Dichloroethene	47.8	
78-87-5	1,2-Dichloropropane	51.2	
10061-01-5	cis-1,3-Dichloropropene	46.9	
10061-02-6	trans-1,3-Dichloropropene	40.0	
100-41-4	Ethylbenzene	45.7	
591-78-6	2-Hexanone	247	
98-82-8	Isopropylbenzene (Cumene)	48.1	
99-87-6	p-Isopropyltoluene	45.8	
75-09-2	Methylene Chloride	48.3	
108-10-1	4-Methyl-2-pentanone (MIBK)	223	
1634-04-4	Methyl-tert-butyl ether	51.6	

09/10/2018 6:14

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 09/05/2018 11:48
Date Analyzed: 09/05/2018 11:48
Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: LA305-LA313
Matrix: Solid SDG No.: 50204438
Lab Sample ID: 2122927
Lab File ID: A090518.BVA02LCS.D
Instrument: 50MV6A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
91-20-3	Naphthalene	40.3	
103-65-1	n-Propylbenzene	45.7	
100-42-5	Styrene	46.8	
630-20-6	1,1,1,2-Tetrachloroethane	46.1	
79-34-5	1,1,2,2-Tetrachloroethane	42.4	
127-18-4	Tetrachloroethene	43.3	
108-88-3	Toluene	44.4	
120-82-1	1,2,4-Trichlorobenzene	43.4	
71-55-6	1,1,1-Trichloroethane	48.0	
79-00-5	1,1,2-Trichloroethane	47.8	
79-01-6	Trichloroethene	46.9	
75-69-4	Trichlorofluoromethane	48.3	
95-63-6	1,2,4-Trimethylbenzene	46.1	
108-67-8	1,3,5-Trimethylbenzene	46.7	
108-05-4	Vinyl acetate	197	
75-01-4	Vinyl chloride	50.7	
179601-23-1	m&p-Xylene	93.1	
95-47-6	o-Xylene	48.2	

09/10/2018 6:14

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6a.i\090518.b\021cs.d
 Lab Smp Id: 2122927 Client Smp ID: MBLCS
 Inj Date : 05-SEP-2018 11:48
 Operator : ala Inst ID: 50mv6a.i
 Smp Info : 2122927,184730:5
 Misc Info : 117899
 Comment :
 Method : \\192.168.50.6\chem\50mv6a.i\090518.b\021cs.d
 Meth Date : 06-Sep-2018 15:30 50mv6a.i Quant Type: ISTD
 Cal Date : 28-AUG-2018 14:20 Cal File: a01.d
 Als bottle: 3 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				ON-COLUMN (ppb)	FINAL (ppb)
			MASS	RT	EXP RT	REL RT		
1 Dichlorodifluoromethane	85		0.916	0.916	(0.228)	49953	46.6991	46.7
2 Chloromethane	50		0.996	0.996	(0.248)	45514	37.4241	37.4
3 Vinyl Chloride	62		1.039	1.039	(0.258)	56787	50.6506	50.6
4 Bromomethane	94		1.178	1.173	(0.293)	38384	38.7394	38.7
5 Chloroethane	64		1.221	1.215	(0.303)	37397	49.6579	49.6
6 Trichlorofluoromethane	101		1.328	1.322	(0.330)	73755	48.2936	48.3
8 Diethyl ether	74		1.446	1.446	(0.359)	22988	48.7318	48.7
7 1,2-dichlorotrifluoroethane	67		1.462	1.456	(0.363)	63118	50.6900	50.7
9 Acrolein	56		1.515	1.515	(0.377)	191896	1302.71	1300
10 1,1,2trichlorotrifluoroethane	101		1.558	1.558	(0.387)	50811	53.0122	53.0
11 1,1-Dichloroethene	96		1.569	1.563	(0.390)	44941	49.2355	49.2
12 Acetone	43		1.579	1.579	(0.393)	79399	345.025	345
13 Iodomethane	142		1.649	1.649	(0.410)	113474	103.351	103
14 Carbon Disulfide	76		1.692	1.692	(0.420)	159077	47.0337	47.0
16 Methyl Acetate	43		1.735	1.734	(0.431)	44230	76.5937	76.6 (R)
143 Acetonitrile	39		1.751	1.750	(0.435)	87304	45.9839	46.0
15 allyl chloride	41		1.751	1.750	(0.435)	131082	94.2040	94.2
17 Methylene Chloride	84		1.820	1.820	(0.452)	45623	48.3038	48.3
18 tert-Butyl Alcohol	59		1.863	1.863	(0.463)	9157	84.3819	84.4 (Q)
19 Acrylonitrile	53		1.954	1.954	(0.486)	48384	184.638	185
20 Methyl-tert-butyl ether	73		1.975	1.975	(0.491)	101510	51.6054	51.6

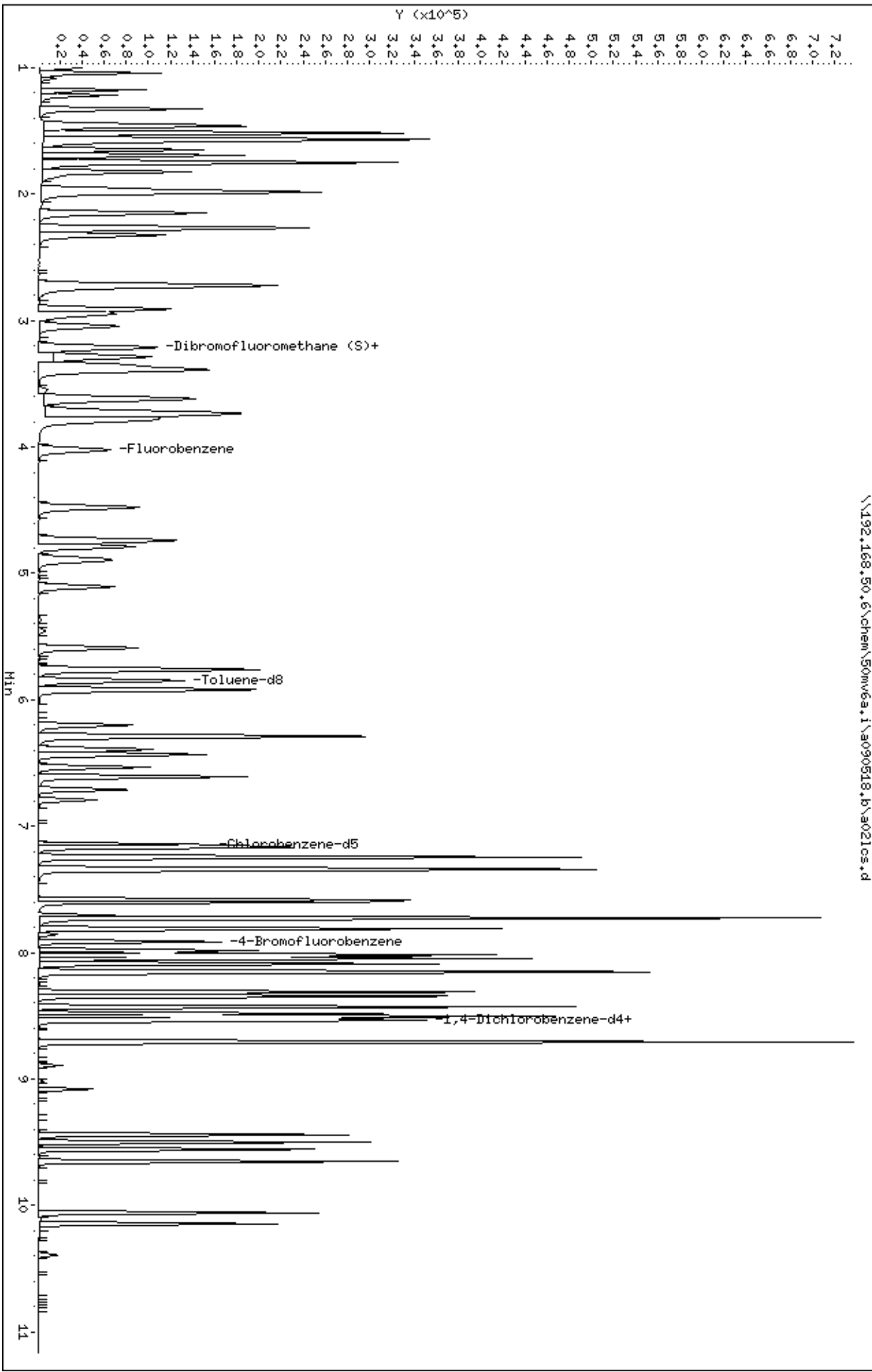
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb)	FINAL (ppb)
21 1,2-Dichloroethene (trans)	96	1.986	1.986	(0.494)	45380	47.7635	47.8
22 n-Hexane	57	2.152	2.152	(0.535)	58927	45.0117	45.0
24 Vinyl Acetate	43	2.264	2.264	(0.563)	235444	196.925	197
23 1,1-Dichloroethane	63	2.275	2.275	(0.565)	64611	45.7297	45.7
147 chloroprene	53	2.323	2.323	(0.577)	54900	51.0735	51.1
28 2-Butanone	72	2.714	2.713	(0.674)	19195	230.432	230 (Q)
26 1,2-Dichloroethene (cis)	96	2.724	2.724	(0.677)	36973	46.7916	46.8 (Q)
27 2,2-Dichloropropane	77	2.724	2.724	(0.677)	51470	48.9184	48.9
149 Propionitrile	54	2.772	2.772	(0.689)	3254	36.5075	36.5 (Q)
151 Ethyl Acetate	88	2.751	2.751	(0.684)	626	40.2343	40.2 (Q)
144 Methacrylonitrile	41	2.906	2.906	(0.722)	65286	225.542	226
30 Bromochloromethane	49	2.944	2.943	(0.731)	28500	51.4495	51.4
31 Tetrahydrofuran	42	2.965	2.970	(0.737)	8567	46.5789	46.6
32 Chloroform	83	3.045	3.045	(0.757)	60422	43.0718	43.1
\$ 33 Dibromofluoromethane (S)	113	3.211	3.211	(0.798)	23606	49.1062	49.1
34 1,1,1-Trichloroethane	97	3.211	3.211	(0.798)	54757	48.0223	48.0
35 Cyclohexane	56	3.286	3.280	(0.817)	49481	42.4847	42.5
150 n-Butyl chloride	56	3.350	3.350	(0.833)	72478	52.6416	52.6
36 Carbon Tetrachloride	117	3.382	3.382	(0.840)	49157	47.5631	47.6
37 1,1-Dichloropropene	75	3.393	3.387	(0.843)	48214	48.8426	48.8
39 Benzene	78	3.623	3.617	(0.900)	131130	47.9825	48.0
40 1,2-Dichloroethane	62	3.709	3.708	(0.922)	38730	48.3596	48.4
145 isopropyl acetate	61	3.735	3.730	(0.928)	50307	251.226	251
141 2,2,4-Trimethylpentane	57	3.783	3.778	(0.940)	129237	54.8910	54.9
38 Isobutyl alcohol	43	3.548	3.553	(0.882)	6826	209.289	209
* 41 Fluorobenzene	96	4.024	4.024	(1.000)	71280	50.0000	
42 Trichloroethene	95	4.479	4.479	(1.113)	33481	46.9196	46.9
43 Methylcyclohexane	55	4.736	4.741	(1.177)	42114	43.7575	43.8
44 1,2-Dichloropropane	63	4.784	4.784	(1.189)	33646	51.2295	51.2
45 Dibromomethane	93	4.885	4.880	(1.214)	18692	49.4876	49.5
142 1,4-Dioxane	88	4.896	4.896	(1.217)	5799	735.023	735
46 Methyl methacrylate	69	4.902	4.901	(1.218)	16586	42.3012	42.3
47 Bromodichloromethane	83	5.105	5.105	(1.269)	43778	47.8122	47.8
48 2-Chloroethyl vinyl ether	63	5.458	5.452	(0.764)	2911	24.4612	24.5
49 cis-1,3-Dichloropropene	75	5.592	5.586	(0.782)	49108	46.9061	46.9
50 4-Methyl-2-Pentanone	43	5.763	5.763	(0.806)	123750	223.070	223
\$ 51 Toluene-d8	98	5.848	5.848	(0.818)	81643	49.6469	49.6
52 Toluene	91	5.918	5.918	(0.828)	130618	44.3826	44.4
53 trans-1,3-Dichloropropene	75	6.202	6.201	(0.868)	40610	39.9752	40.0
54 Ethyl Methacrylate	69	6.292	6.287	(0.880)	131002	166.080	166
55 1,1,2-Trichloroethane	83	6.389	6.389	(0.894)	23503	47.8041	47.8
56 Tetrachloroethene	166	6.432	6.431	(0.900)	34992	43.2920	43.3
57 1,3-Dichloropropane	76	6.533	6.533	(0.914)	42427	48.6705	48.7
58 2-Hexanone	43	6.608	6.608	(0.924)	98317	246.554	246
59 Dibromochloromethane	129	6.715	6.715	(0.939)	31631	46.0026	46.0
60 1,2-Dibromoethane	107	6.795	6.790	(0.951)	25550	40.7492	40.7 (R)
* 61 Chlorobenzene-d5	117	7.148	7.148	(1.000)	54521	50.0000	
62 Chlorobenzene	112	7.170	7.170	(1.003)	81918	44.6830	44.7
63 1,1,1,2-Tetrachloroethane	131	7.245	7.245	(1.013)	30114	46.0795	46.1
64 Ethylbenzene	106	7.245	7.245	(1.013)	45392	45.6836	45.7
65 m&p-Xylene	106	7.341	7.341	(1.027)	114191	93.0508	93.0
67 o-Xylene	106	7.582	7.582	(1.061)	53327	48.1771	48.2
68 Styrene	104	7.598	7.603	(1.063)	89933	46.7831	46.8
69 Bromoform	173	7.710	7.710	(0.904)	19634	41.8154	41.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb)	FINAL (ppb)
146 n-amyl acetate	70	7.726	7.726	(1.920)	82950	210.228	210
70 Isopropylbenzene	105	7.812	7.812	(1.093)	148850	48.0605	48.1
\$ 72 4-Bromofluorobenzene	95	7.913	7.913	(1.107)	29654	52.9198	52.9
74 Bromobenzene	77	7.978	7.977	(1.116)	50886	46.1699	46.2
73 1,1,2,2-Tetrachloroethane	83	8.004	7.999	(0.939)	35490	42.3565	42.4
71 trans-1,4-Dichloro-2-butene	53	8.020	8.020	(1.122)	35153	182.231	182 (Q)
75 1,2,3-Trichloropropane	110	8.026	8.026	(0.941)	8747	43.0817	43.1 (Q)
76 n-Propylbenzene	91	8.047	8.047	(0.944)	184956	45.7358	45.7
77 2-Chlorotoluene	91	8.090	8.090	(0.949)	105910	46.1620	46.2
78 1,3,5-Trimethylbenzene	105	8.149	8.149	(0.955)	117508	46.7108	46.7
79 4-Chlorotoluene	126	8.160	8.159	(0.957)	36054	45.9331	45.9
80 tert-Butylbenzene	119	8.309	8.315	(0.974)	103749	34.3060	34.3
81 1,2,4-Trimethylbenzene	105	8.341	8.341	(0.978)	116765	46.0797	46.1
82 sec-Butylbenzene	105	8.427	8.427	(0.988)	167541	46.0615	46.1
83 1,3-Dichlorobenzene	146	8.486	8.486	(0.995)	69290	43.7912	43.8
84 p-Isopropyltoluene	119	8.507	8.507	(0.997)	134201	45.7697	45.8
* 85 1,4-Dichlorobenzene-d4	152	8.529	8.529	(1.000)	31849	50.0000	
86 1,4-Dichlorobenzene	146	8.539	8.539	(1.001)	70033	42.5806	42.6
87 n-Butylbenzene	91	8.705	8.705	(1.021)	137454	46.5391	46.5
88 1,2-Dichlorobenzene	146	8.711	8.710	(1.021)	65262	43.8200	43.8
89 1,2-Dibromo-3-chloropropane	155	9.085	9.085	(1.065)	5676	40.6068	40.6
90 1,2,4-Trichlorobenzene	180	9.443	9.443	(1.107)	45334	43.4032	43.4
91 Hexachlorobutadiene	225	9.502	9.502	(1.114)	27459	42.7114	42.7
92 Naphthalene	128	9.556	9.556	(1.120)	101960	40.2661	40.3
93 1,2,3-Trichlorobenzene	180	9.652	9.652	(1.132)	44017	40.3944	40.4
94 2-methyl-naphthalene	142	10.059	10.059	(1.179)	61906	34.1148	34.1 (R)
148 1-Methylnaphthalene	141	10.144	10.144	(1.189)	51652	35.6453	35.6 (R)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
 R - Spike/Surrogate failed recovery limits.

\\192.168.50.6\chem\50mw6a.i\A090518.b\A021cs.d



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

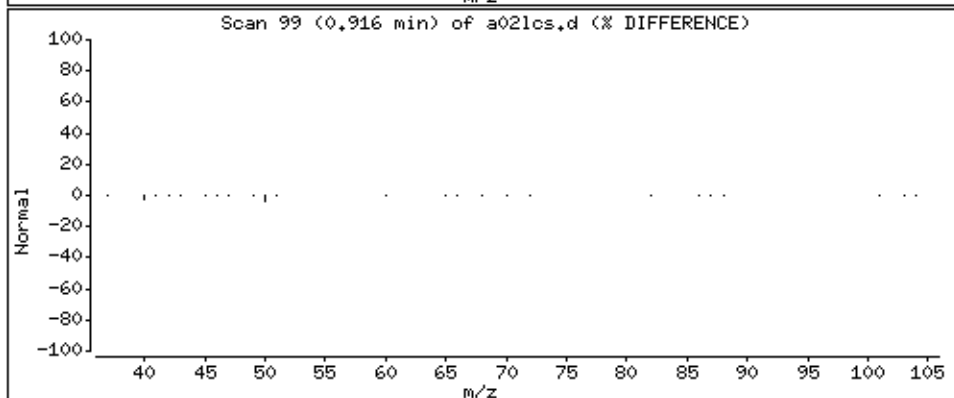
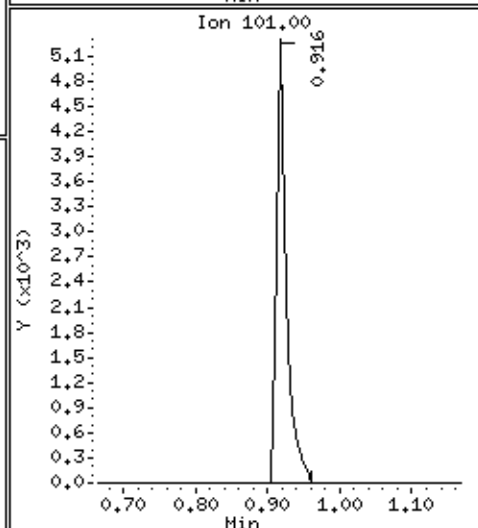
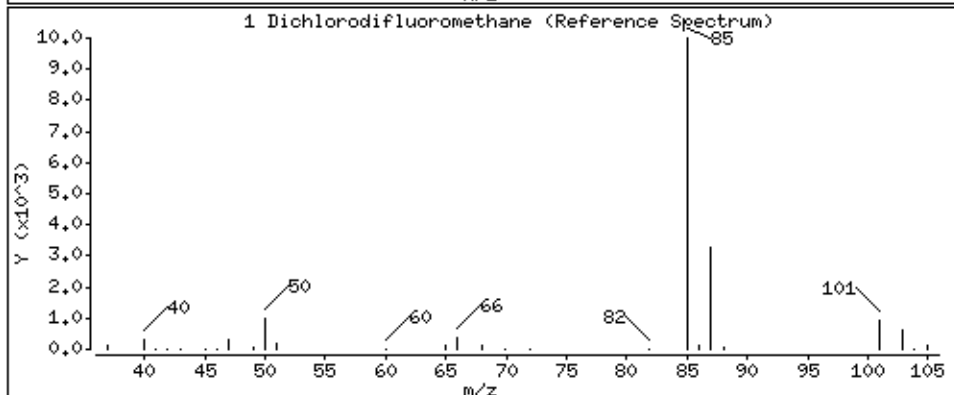
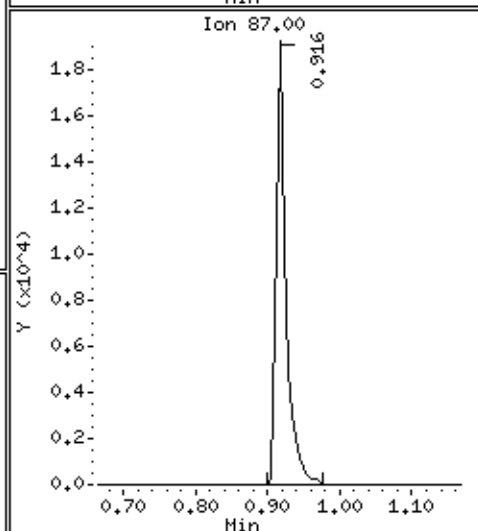
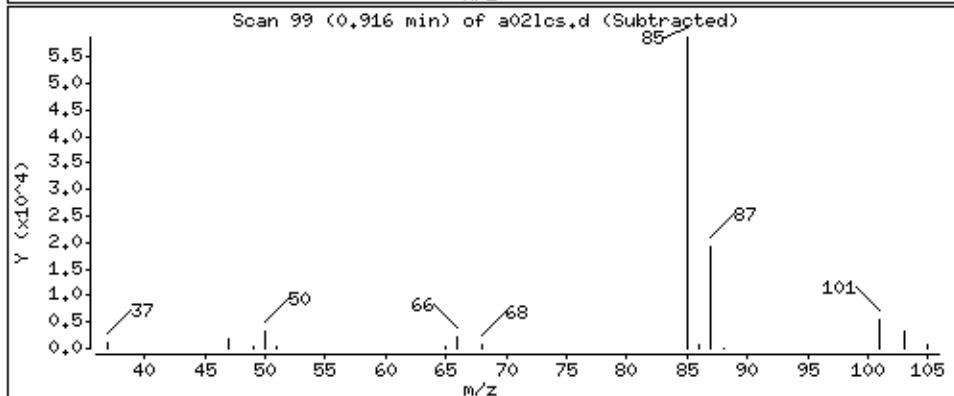
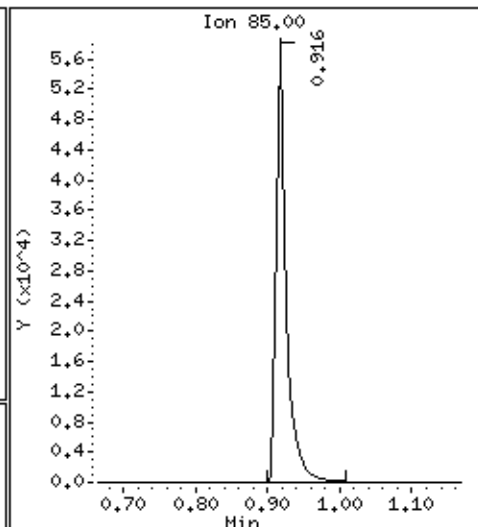
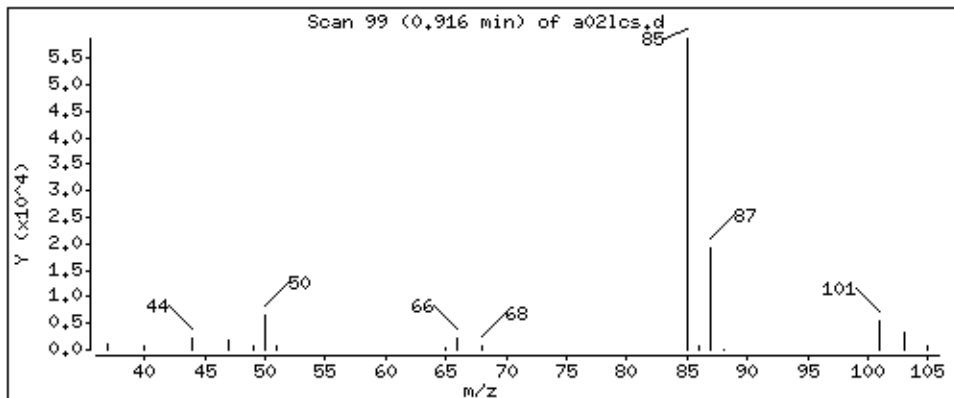
Operator: ala

Column phase: DB-624

Column diameter: 0,18

1 Dichlorodifluoromethane

Concentration: 46,7 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

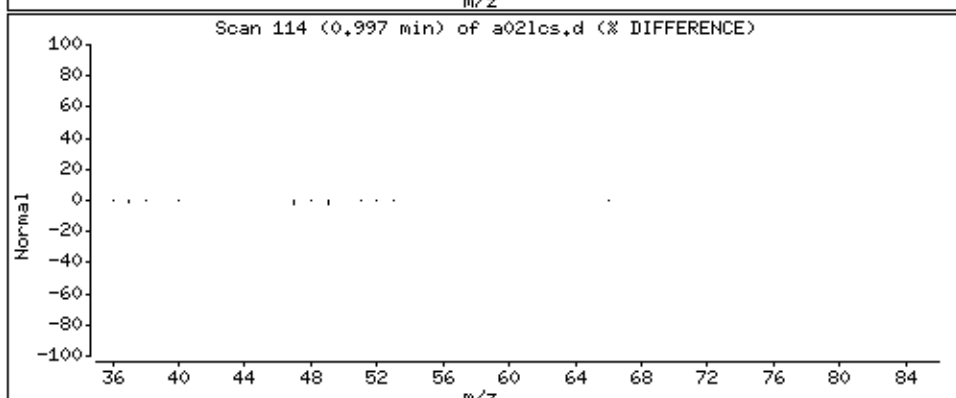
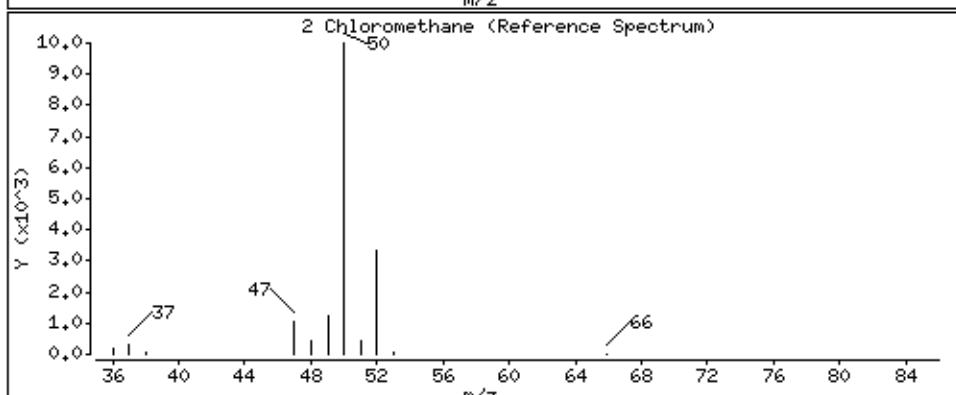
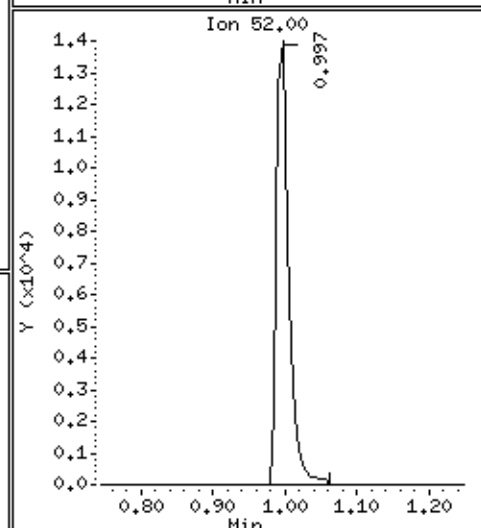
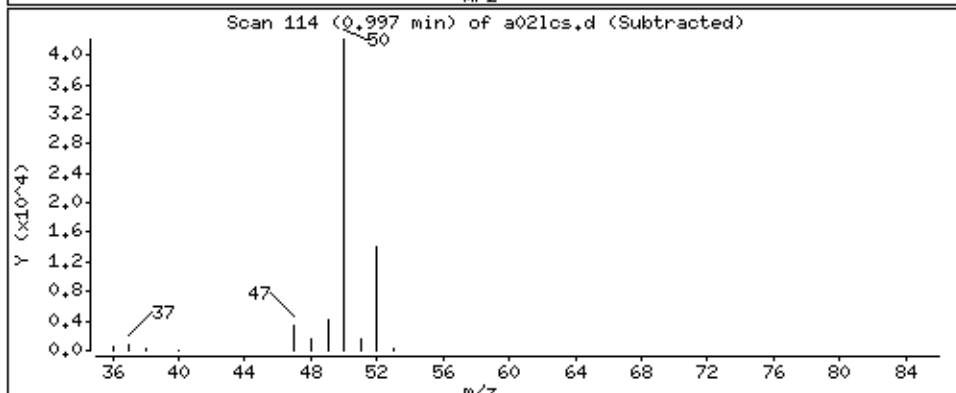
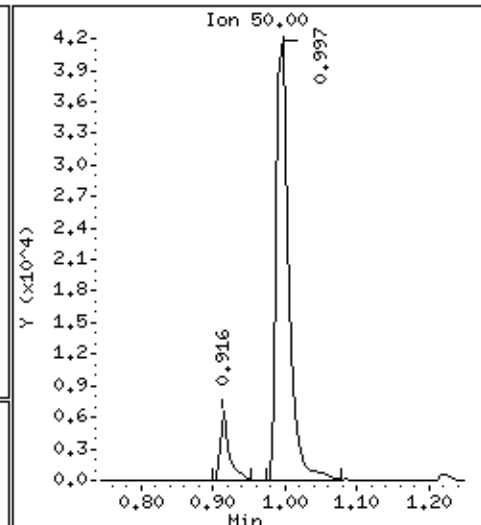
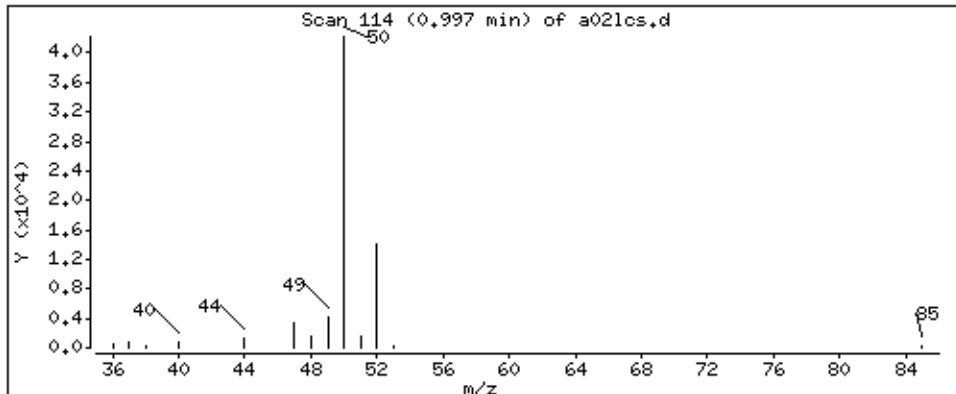
Operator: ala

Column phase: DB-624

Column diameter: 0,18

2 Chloromethane

Concentration: 37,4 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730;5

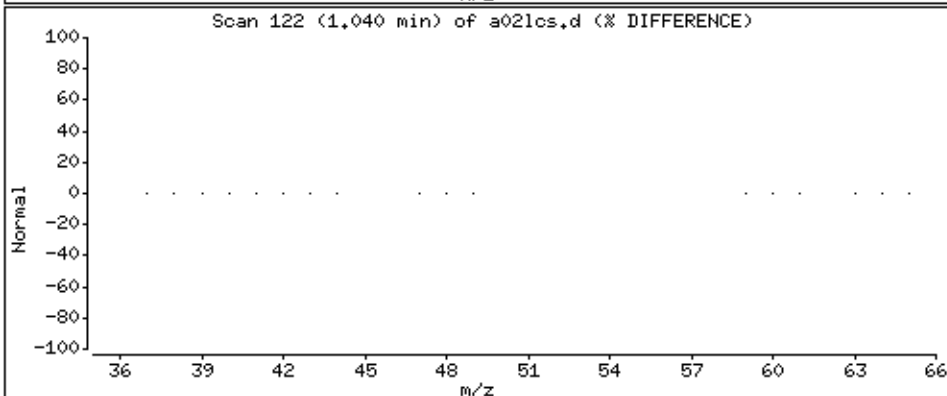
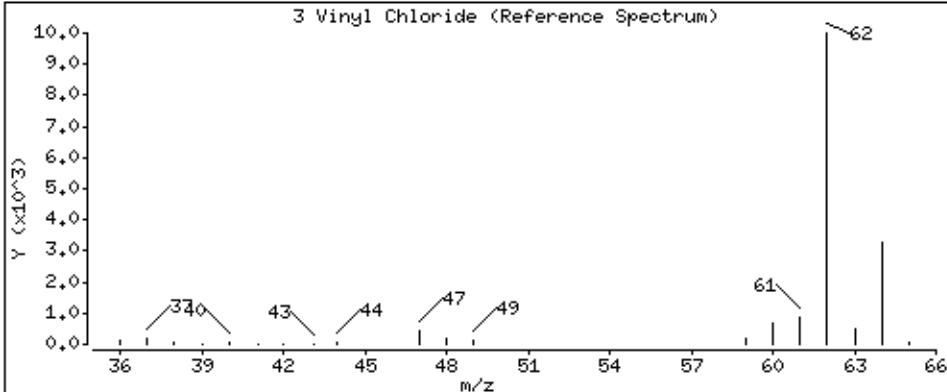
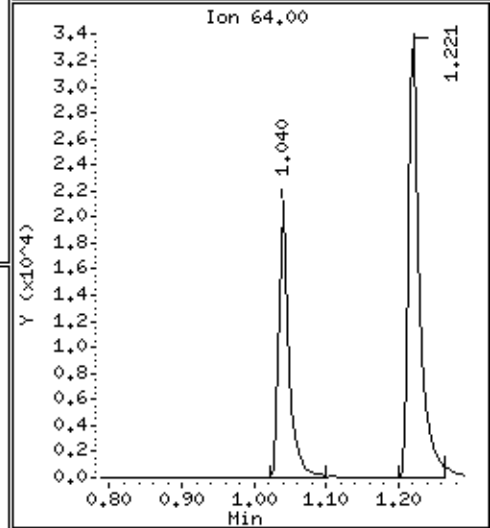
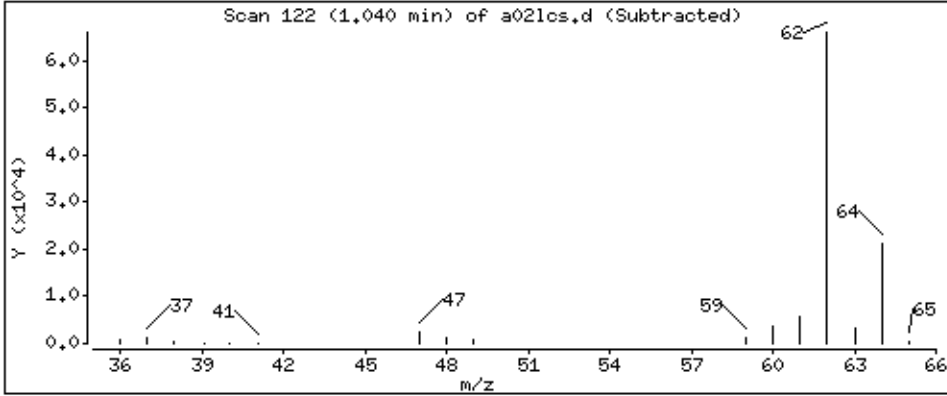
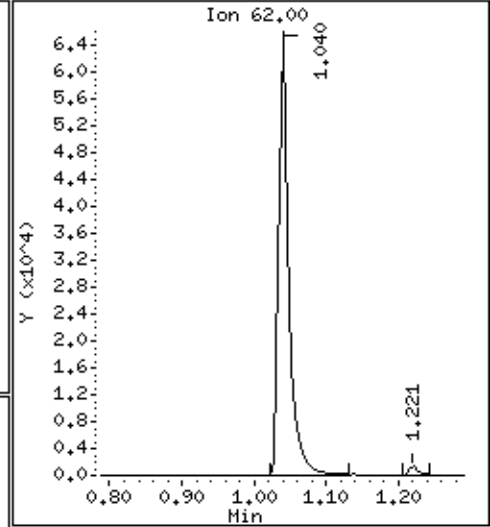
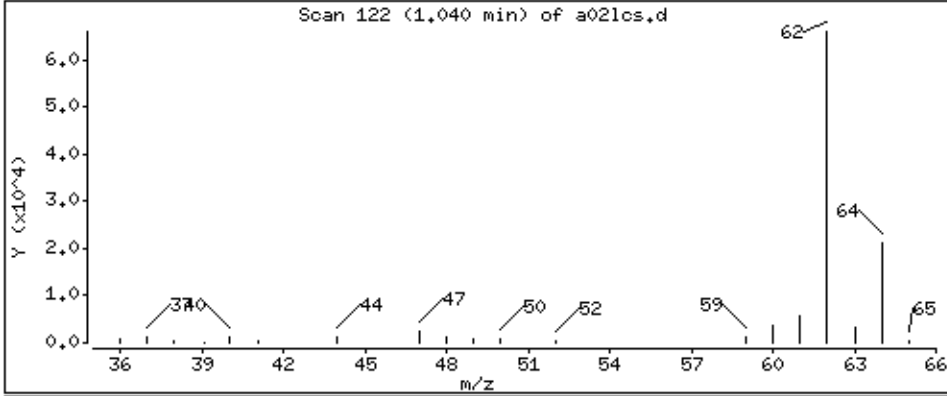
Operator: ala

Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 50,6 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

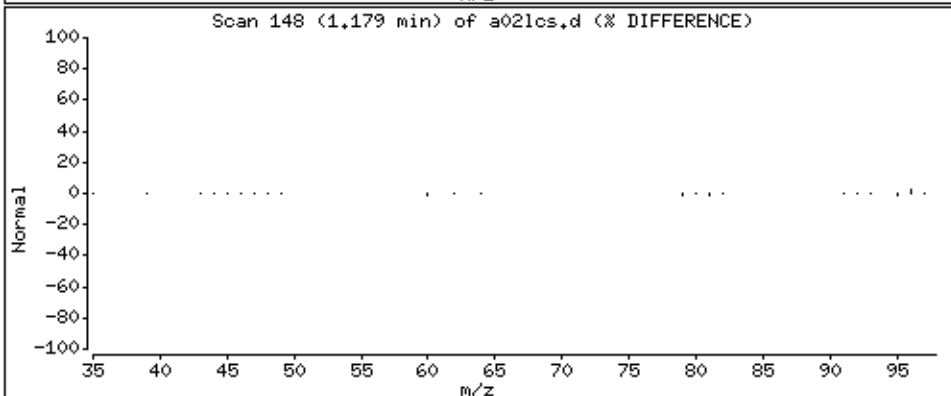
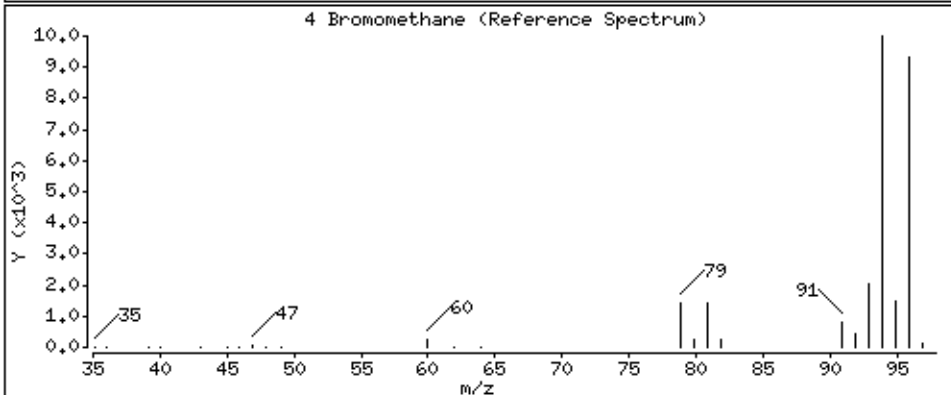
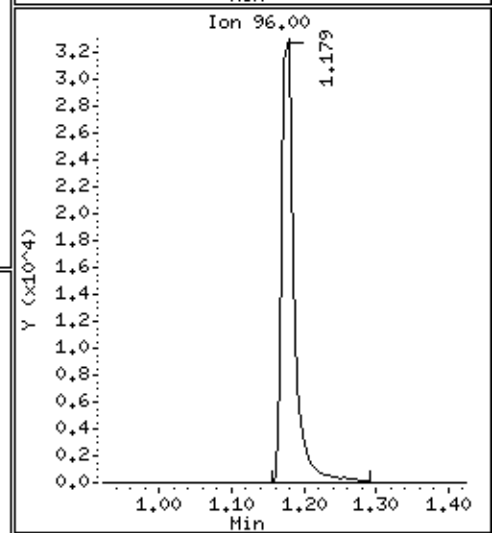
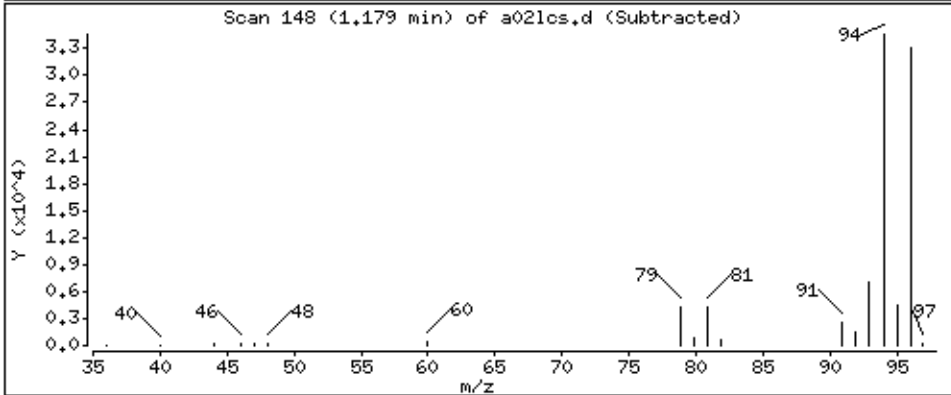
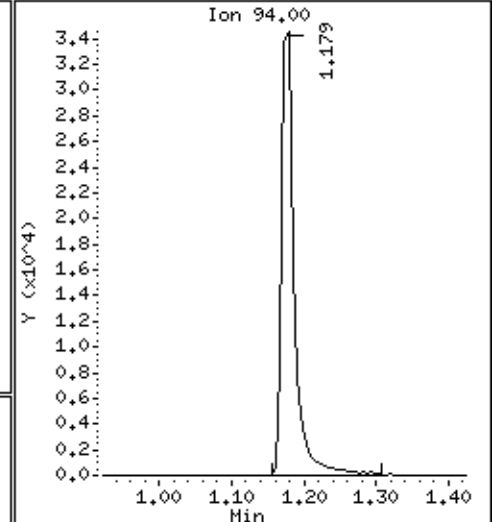
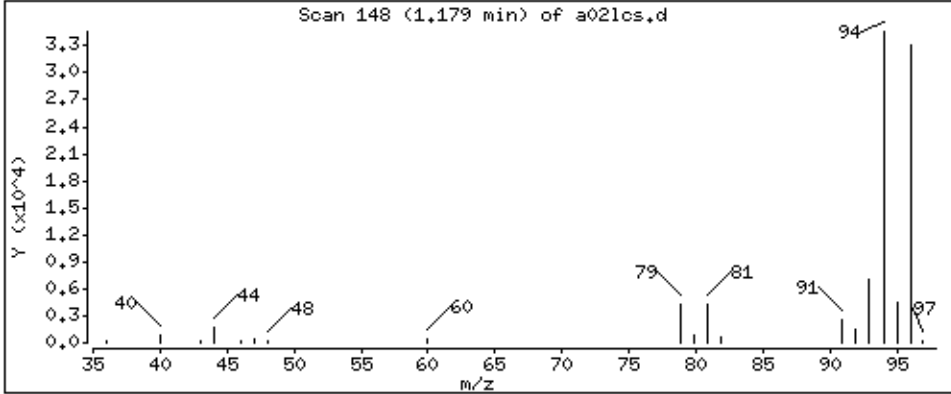
Operator: ala

Column phase: DB-624

Column diameter: 0,18

4 Bromomethane

Concentration: 38,7 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

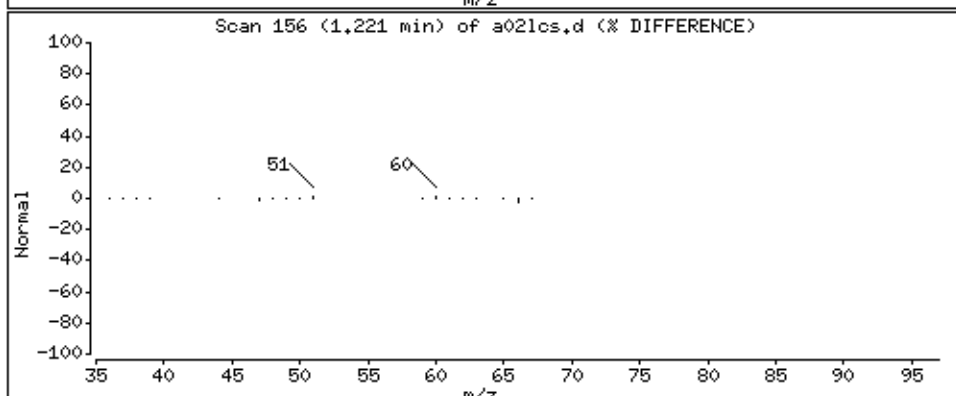
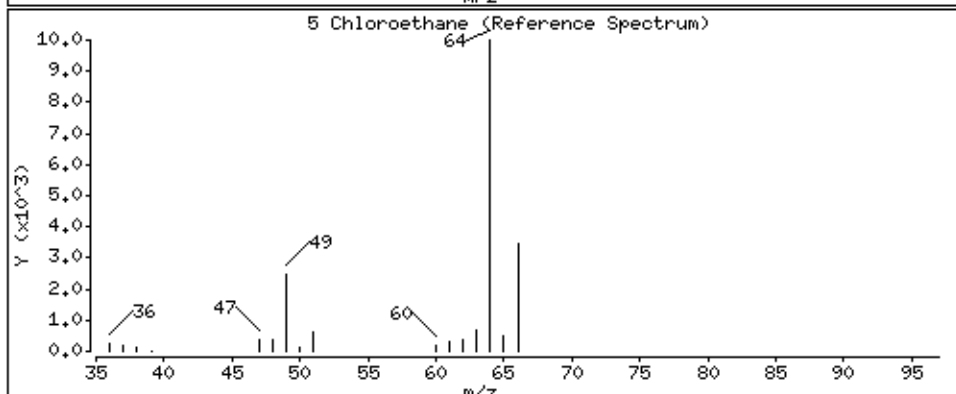
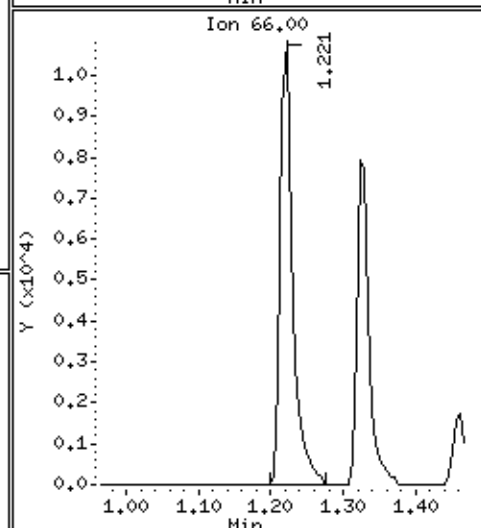
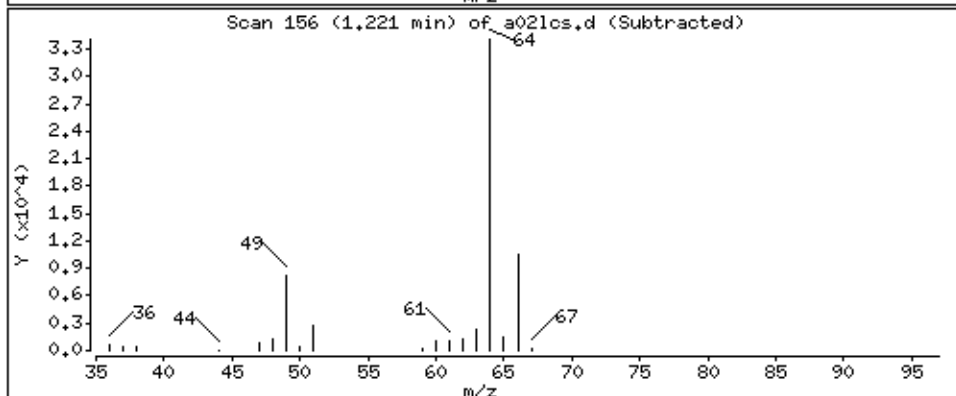
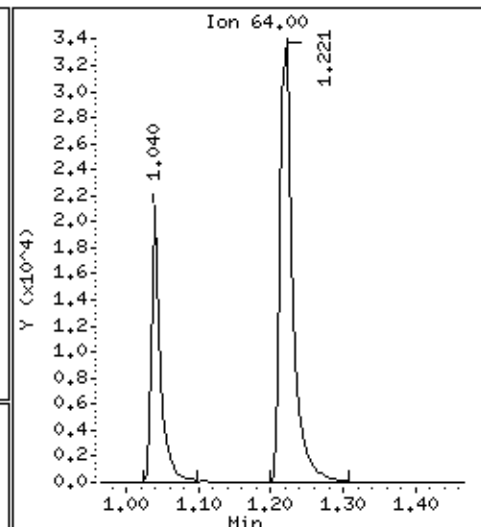
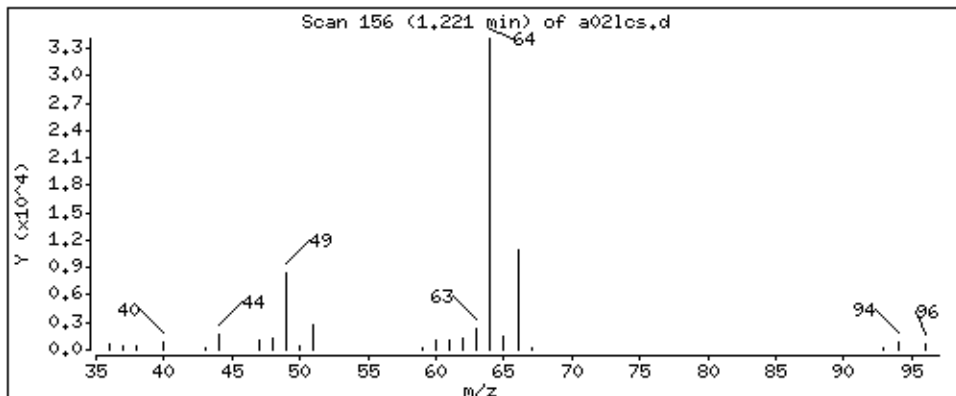
Operator: ala

Column phase: DB-624

Column diameter: 0,18

5 Chloroethane

Concentration: 49,6 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

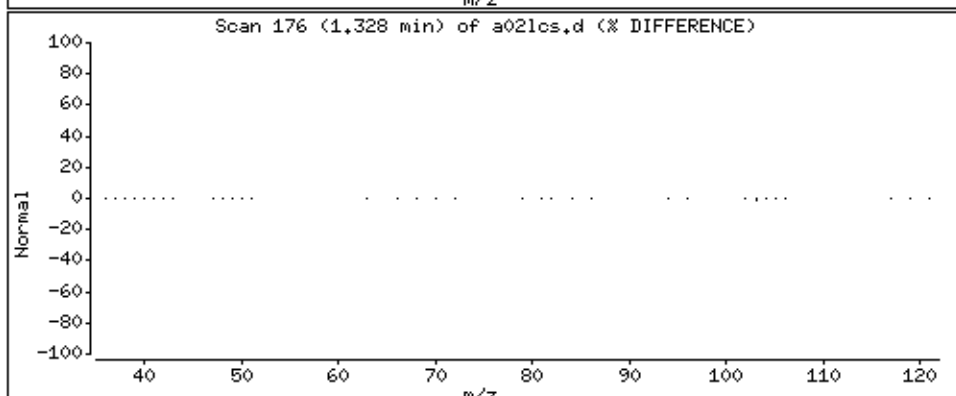
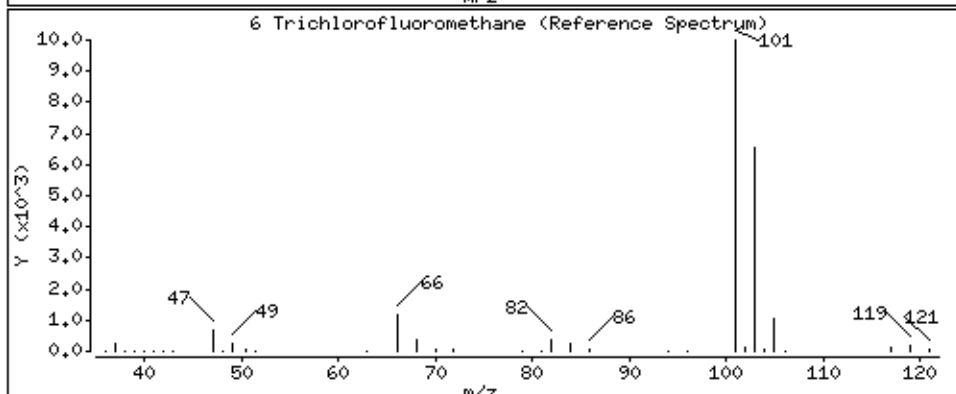
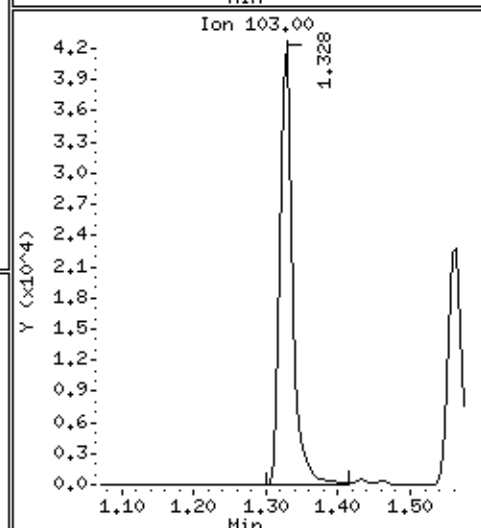
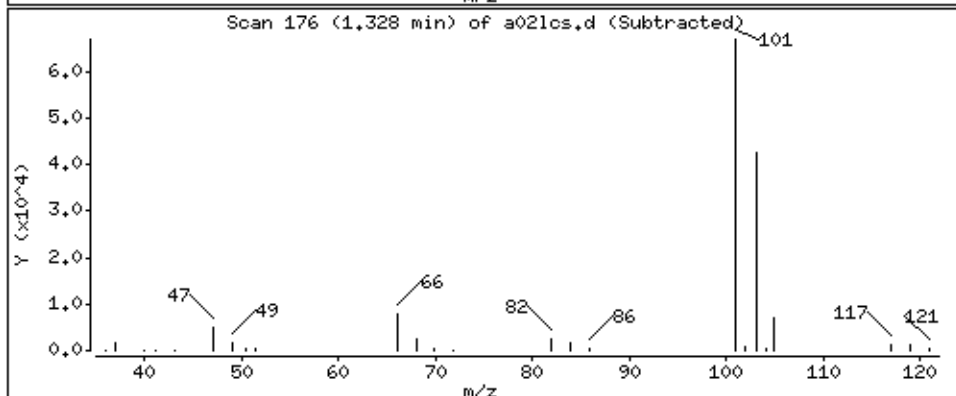
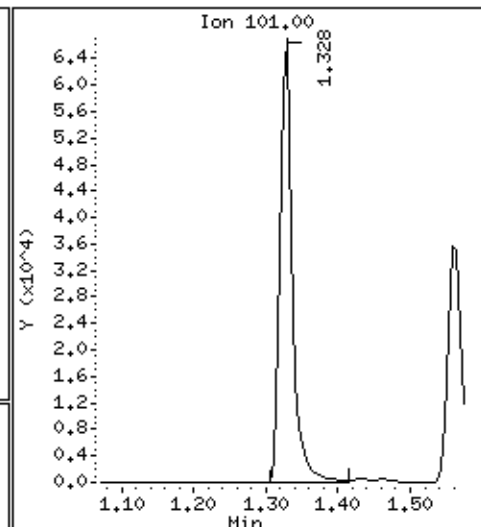
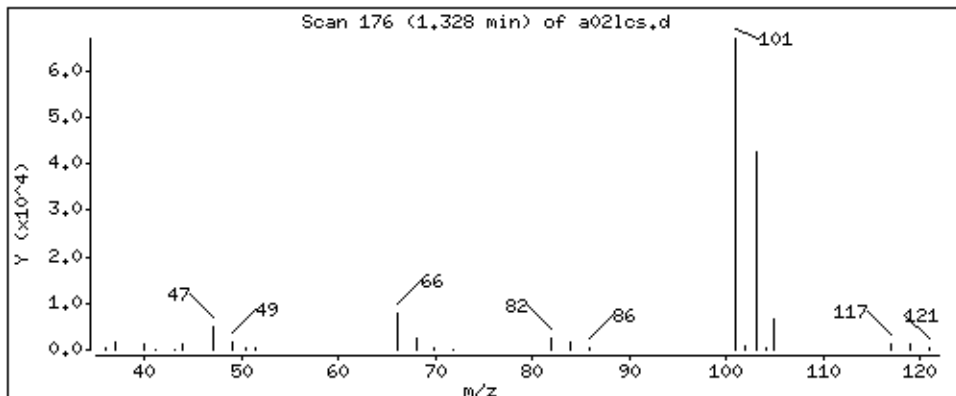
Operator: ala

Column phase: DB-624

Column diameter: 0,18

6 Trichlorofluoromethane

Concentration: 48,3 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

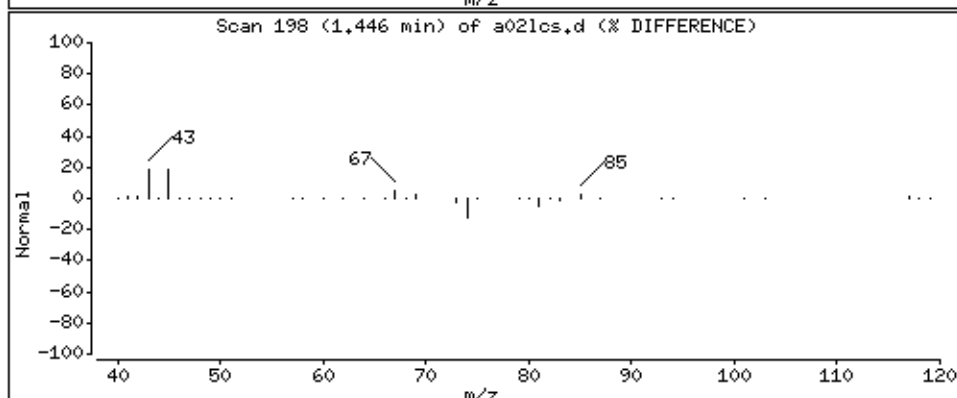
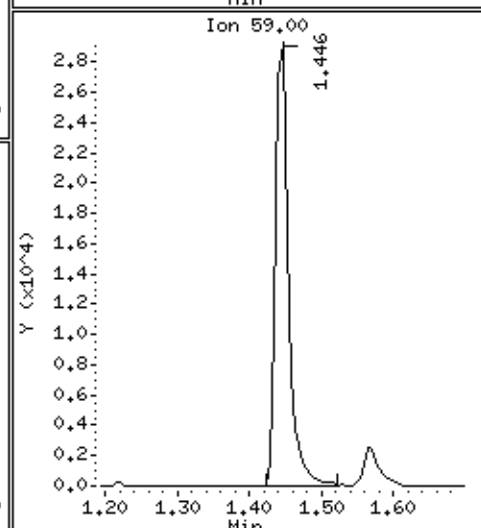
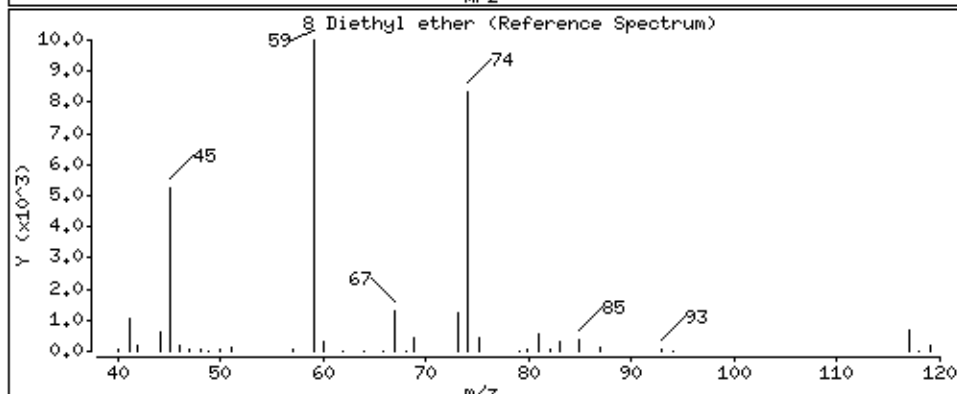
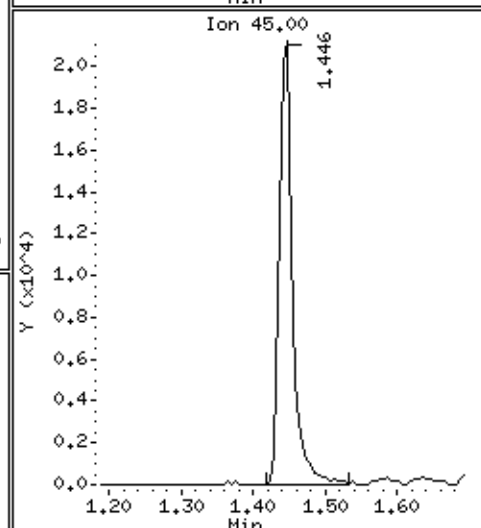
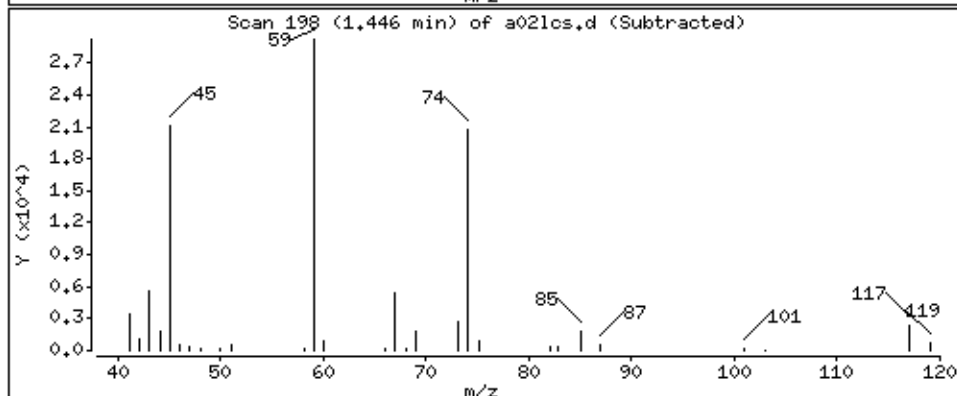
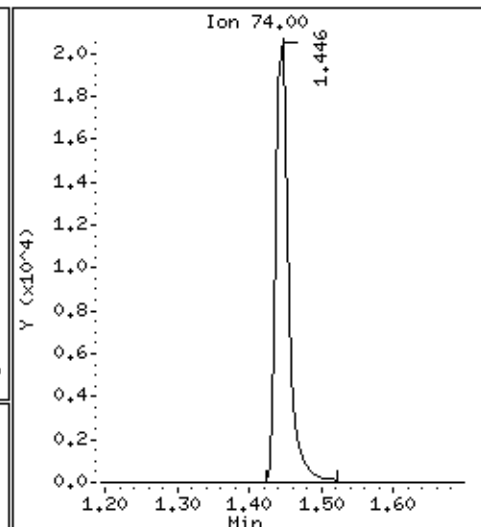
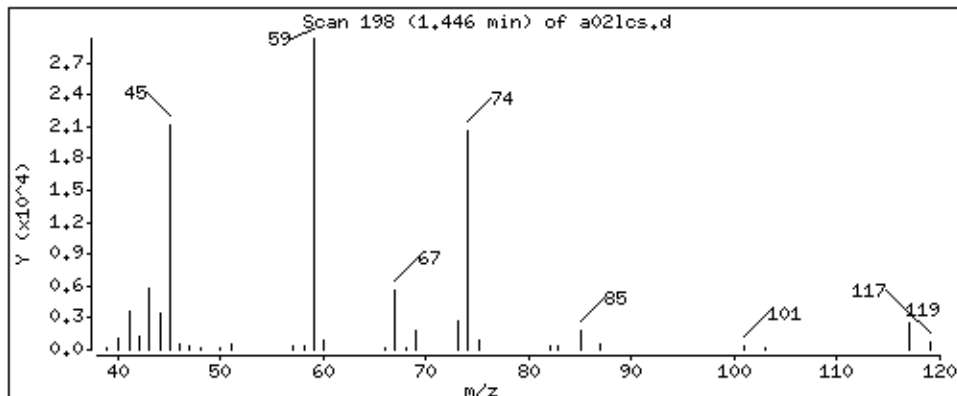
Operator: ala

Column phase: DB-624

Column diameter: 0,18

8 Diethyl ether

Concentration: 48,7 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

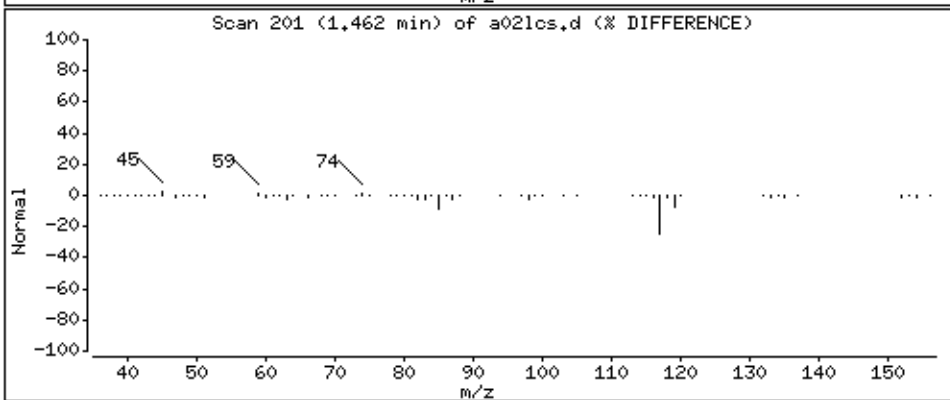
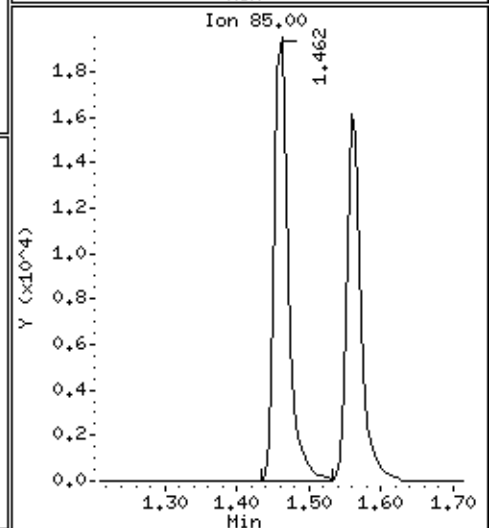
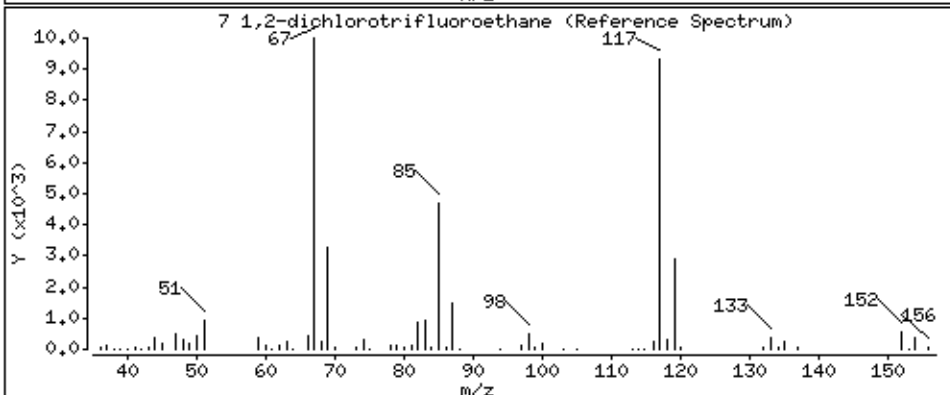
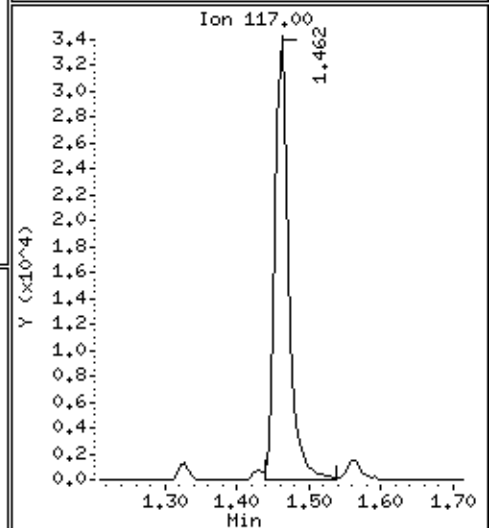
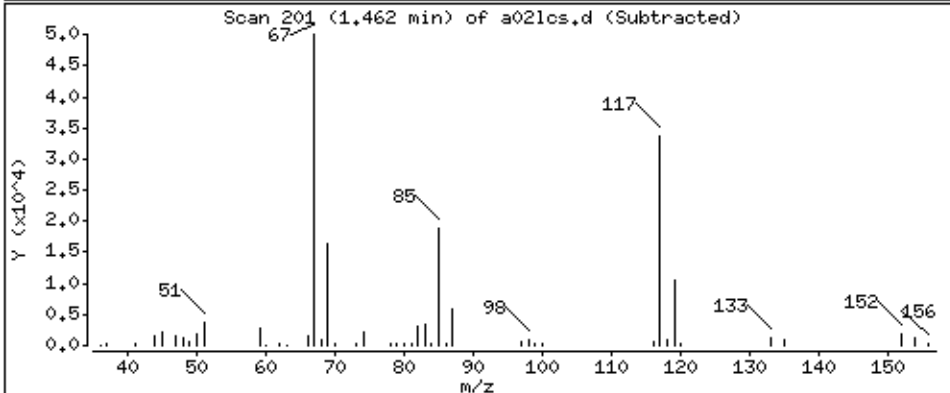
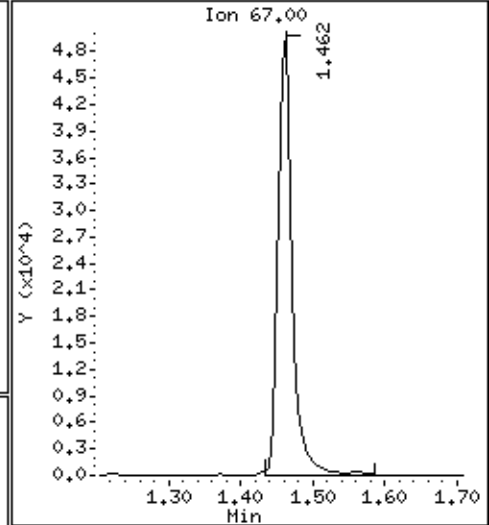
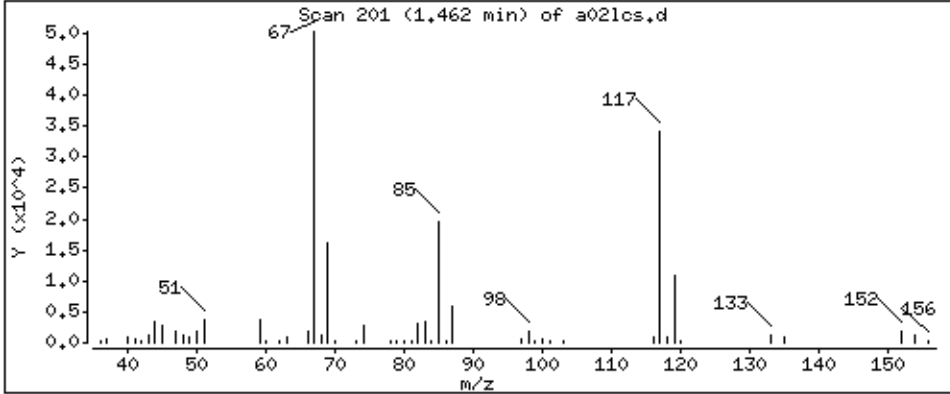
Operator: ala

Column phase: DB-624

Column diameter: 0,18

7 1,2-dichlorotrifluoroethane

Concentration: 50,7 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

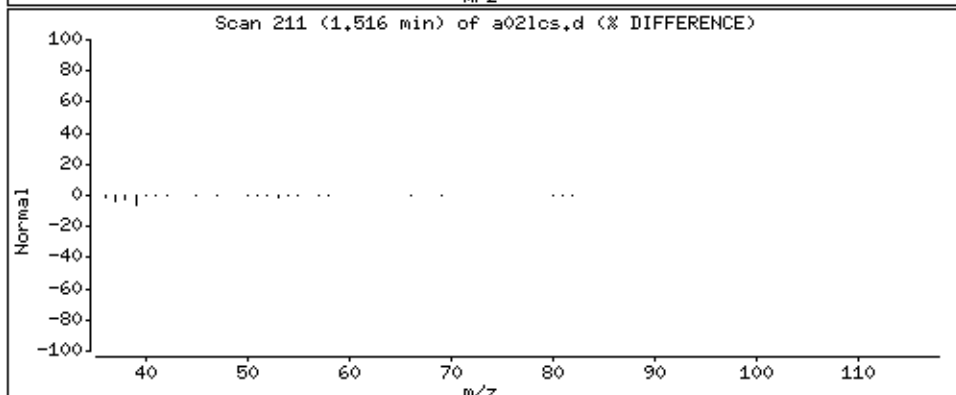
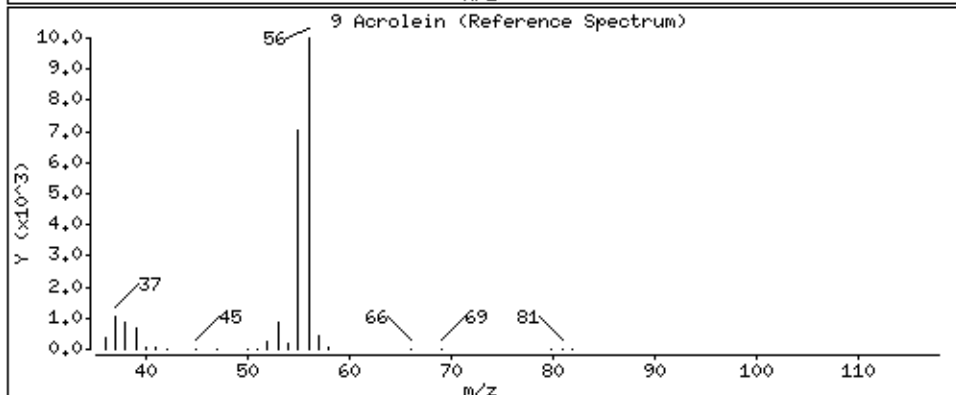
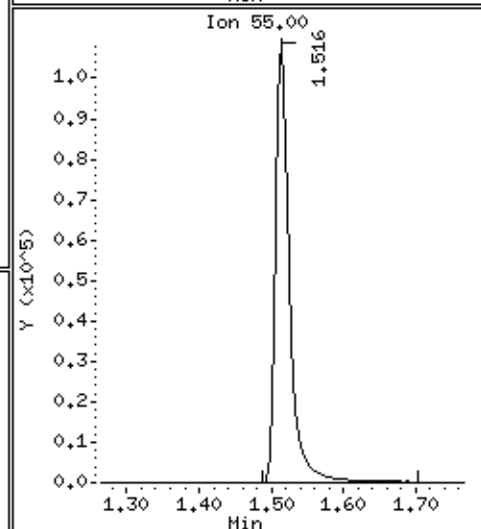
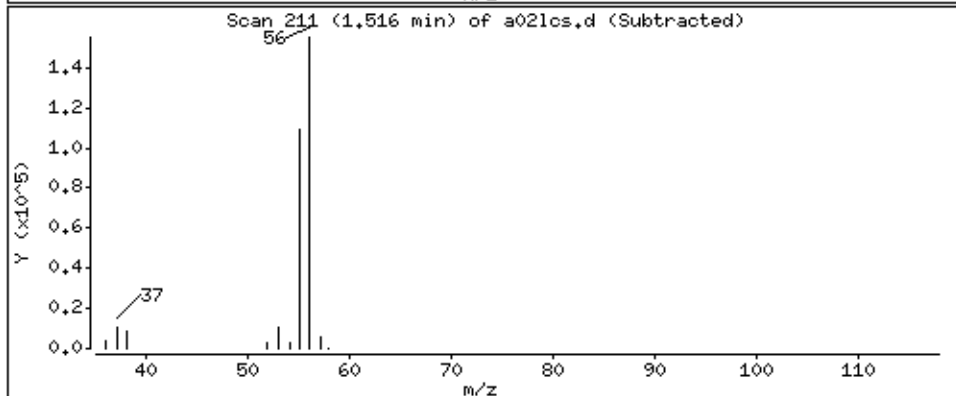
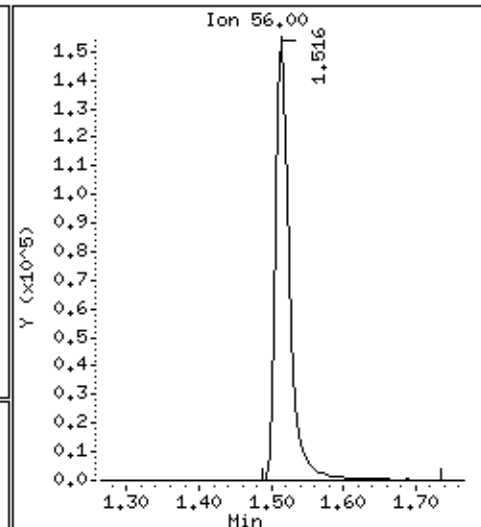
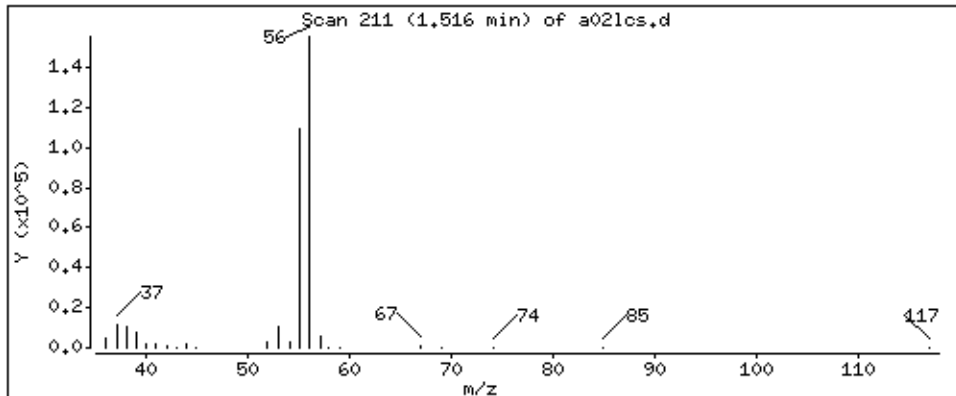
Operator: ala

Column phase: DB-624

Column diameter: 0,18

9 Acrolein

Concentration: 1300 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

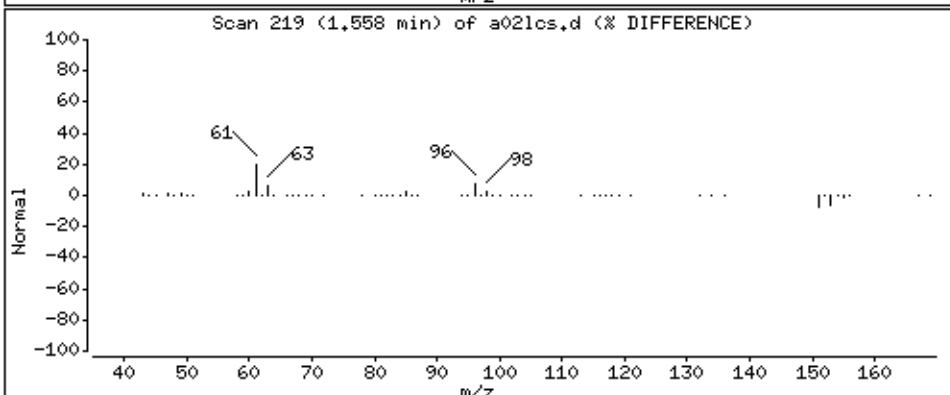
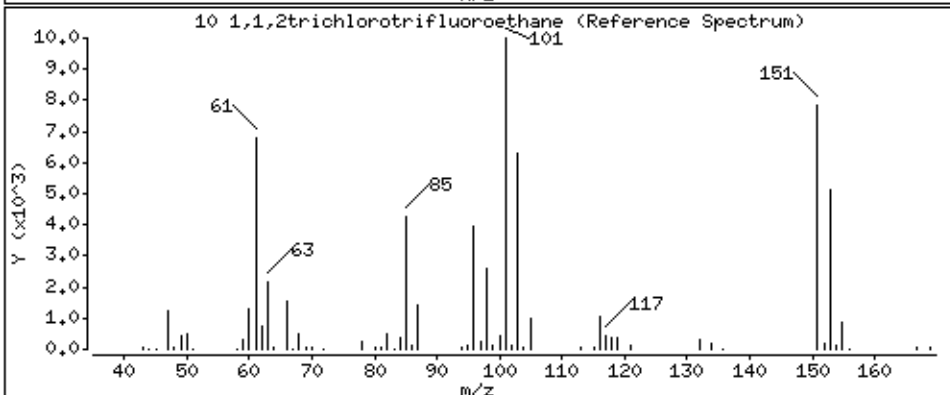
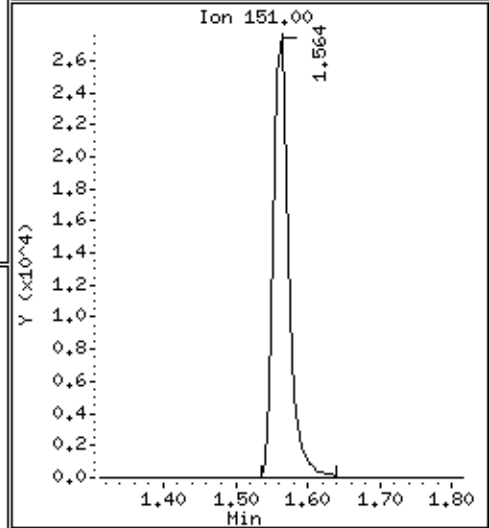
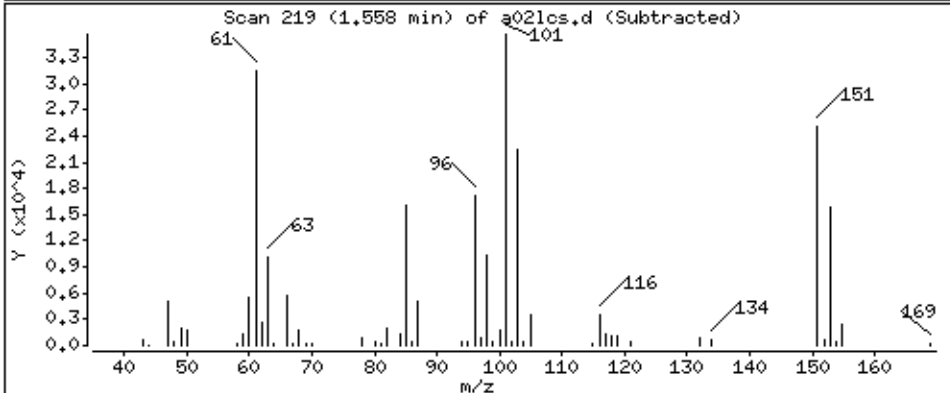
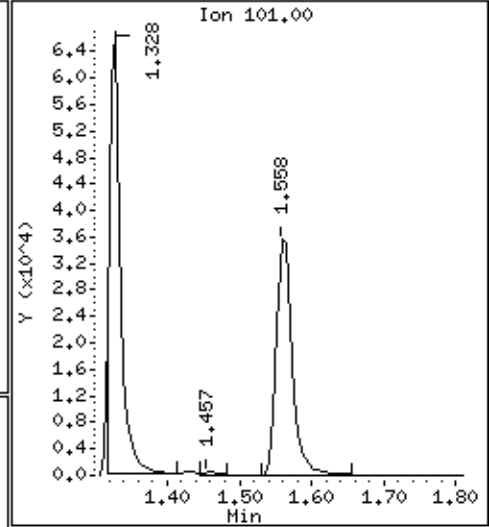
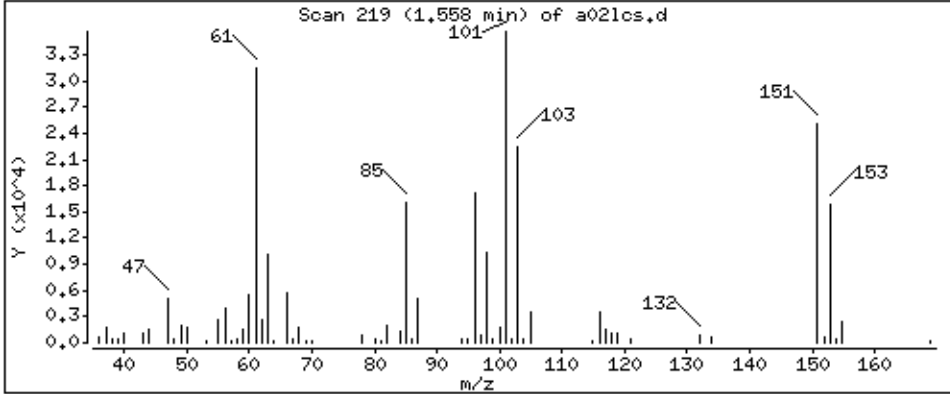
Operator: ala

Column phase: DB-624

Column diameter: 0,18

10 1,1,2trichlorotrifluoroethane

Concentration: 53,0 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

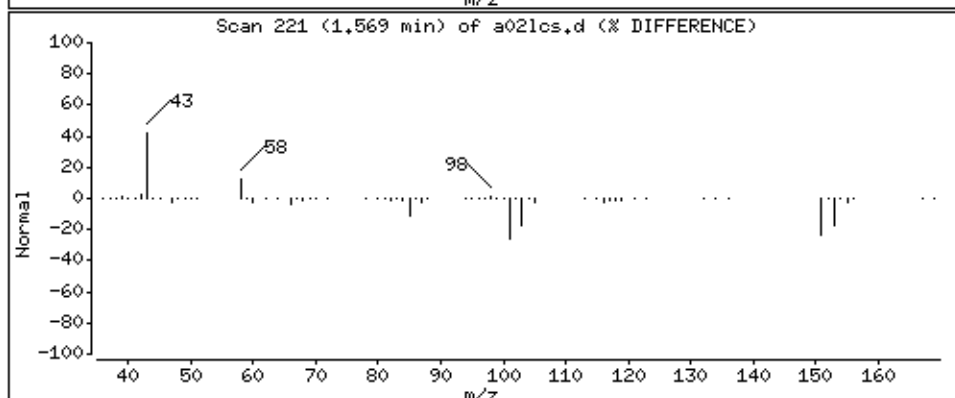
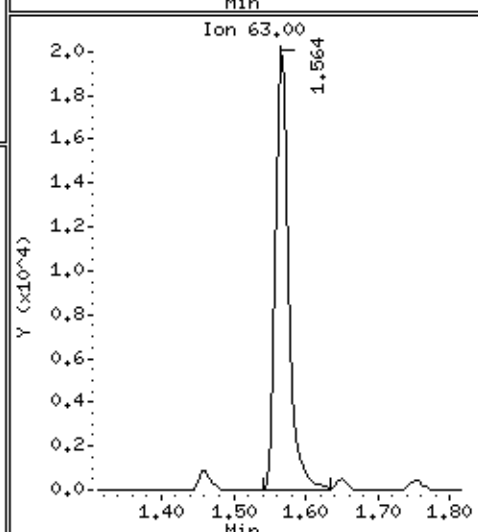
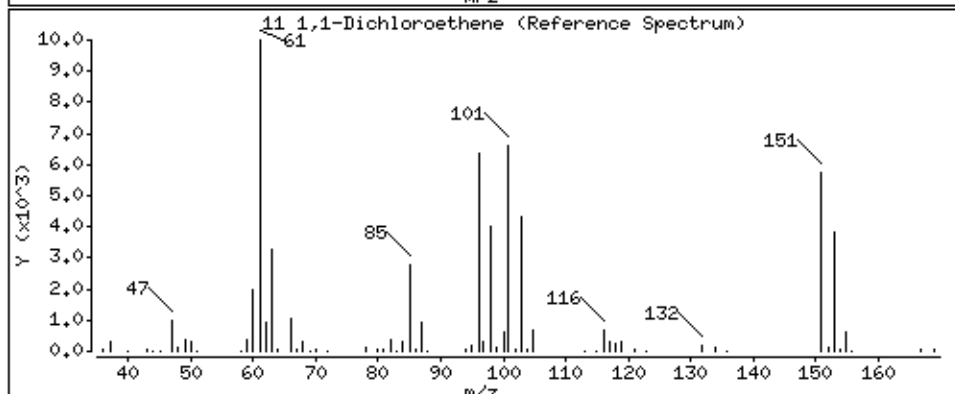
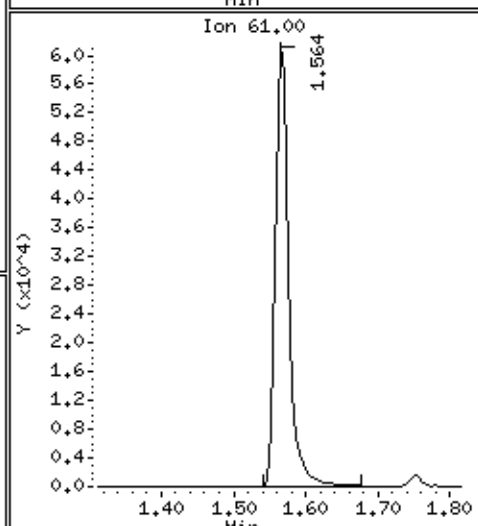
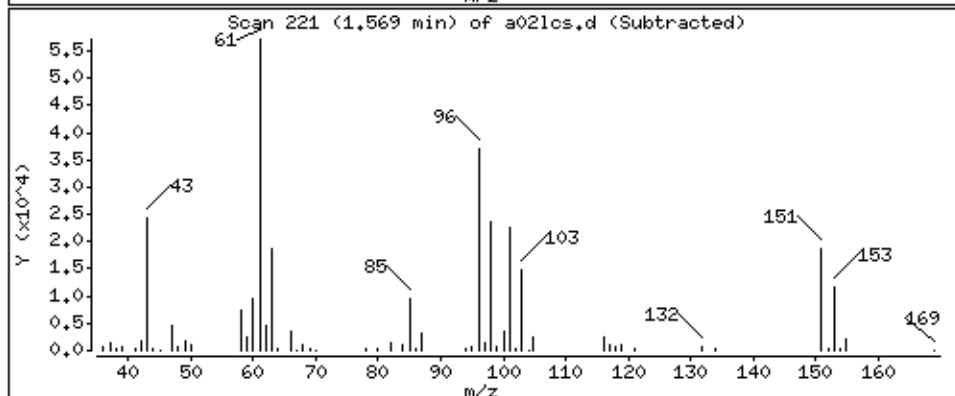
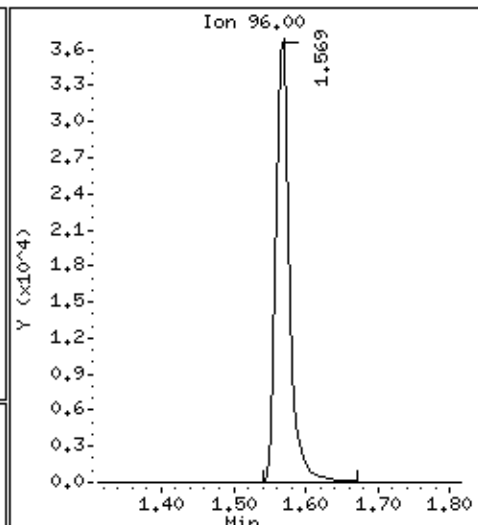
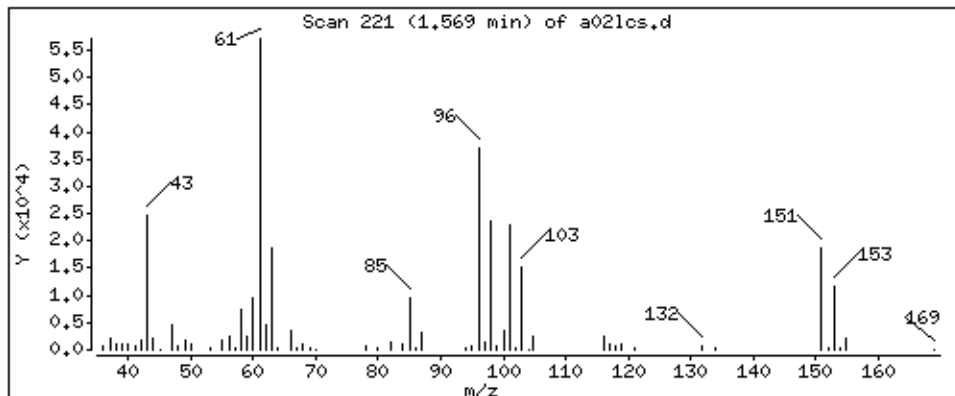
Operator: ala

Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 49.2 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730;5

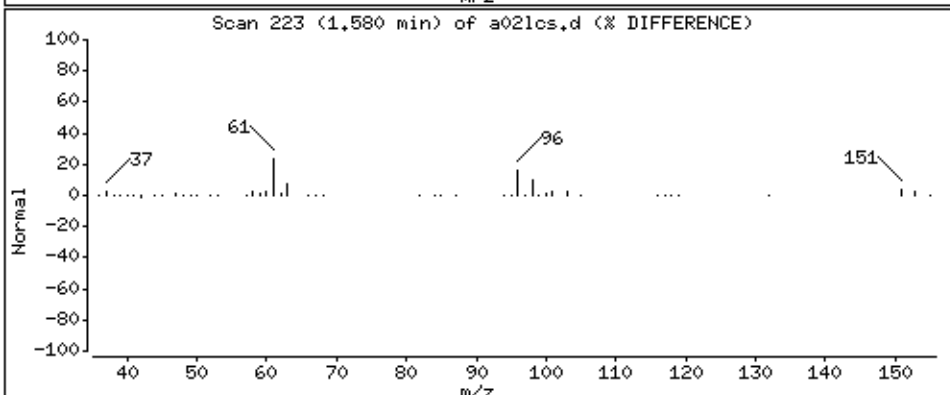
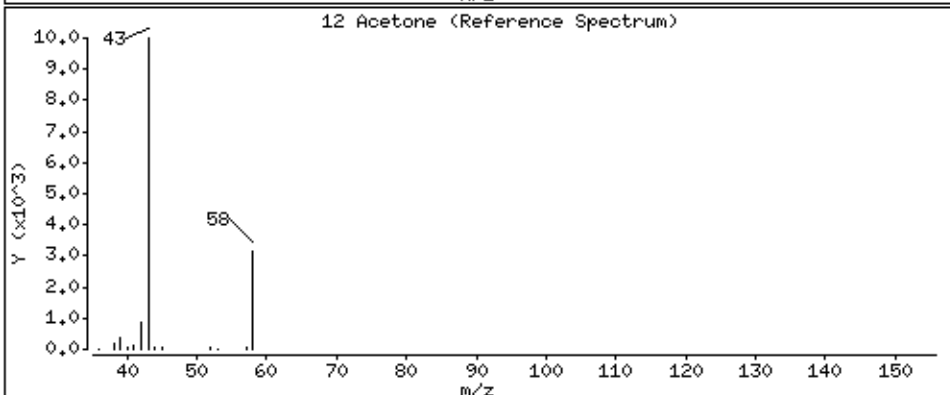
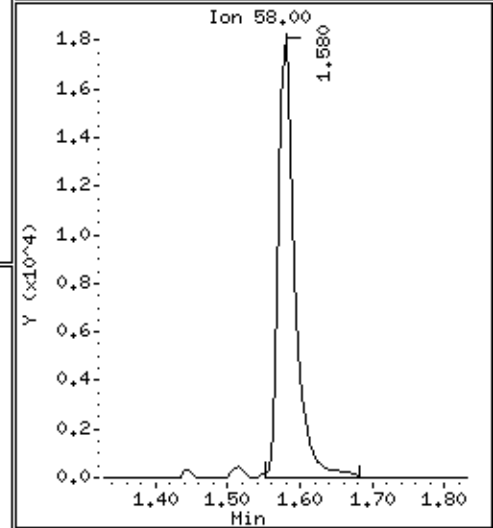
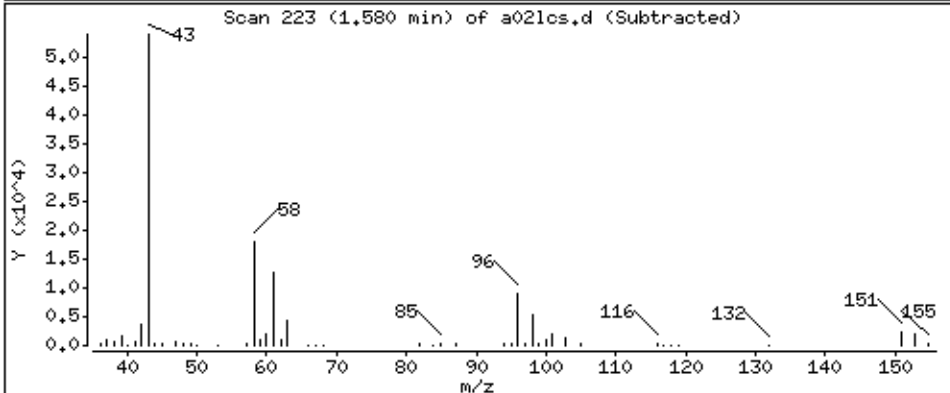
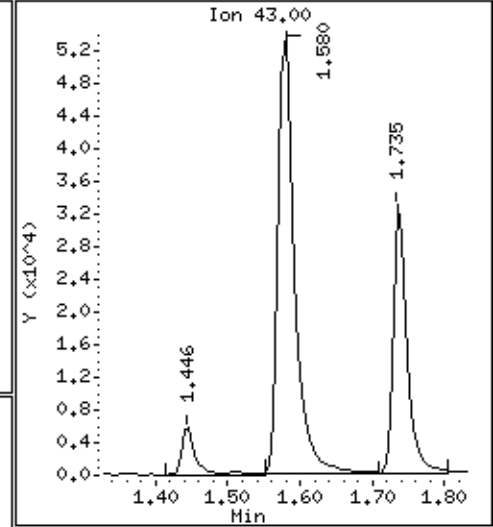
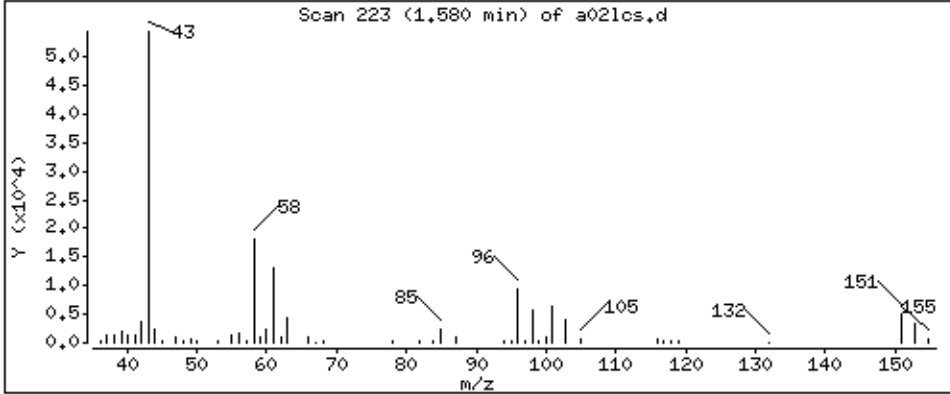
Operator: ala

Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 345 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

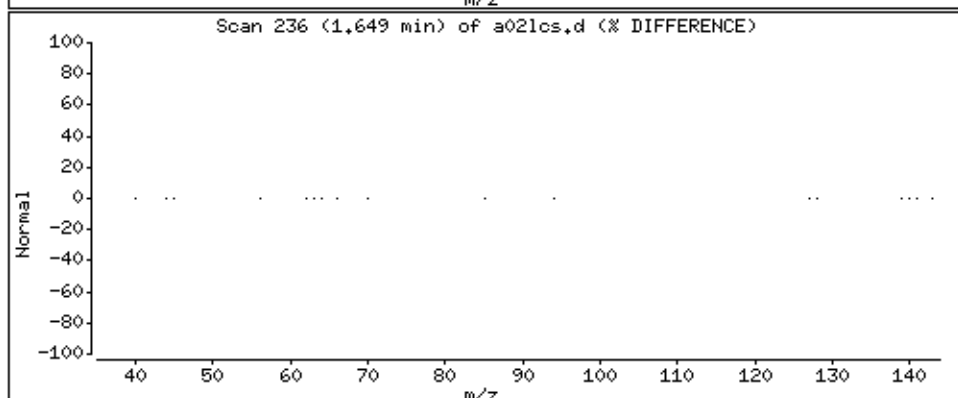
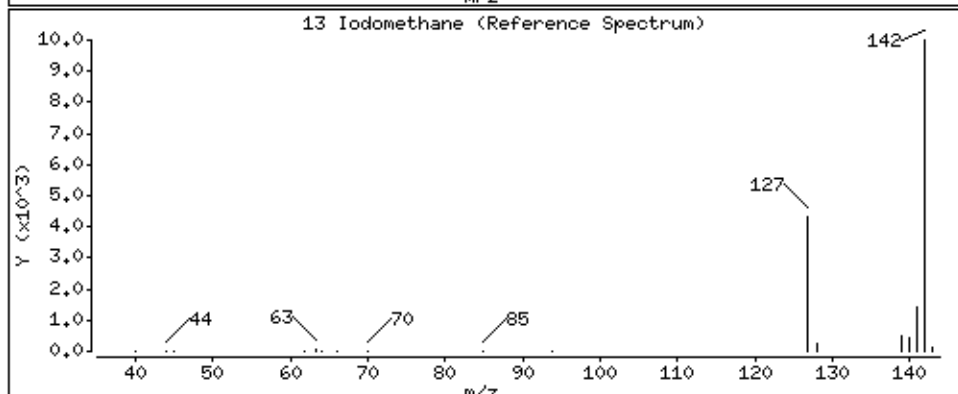
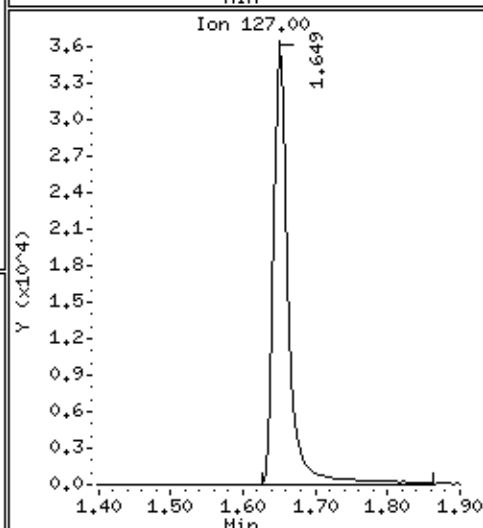
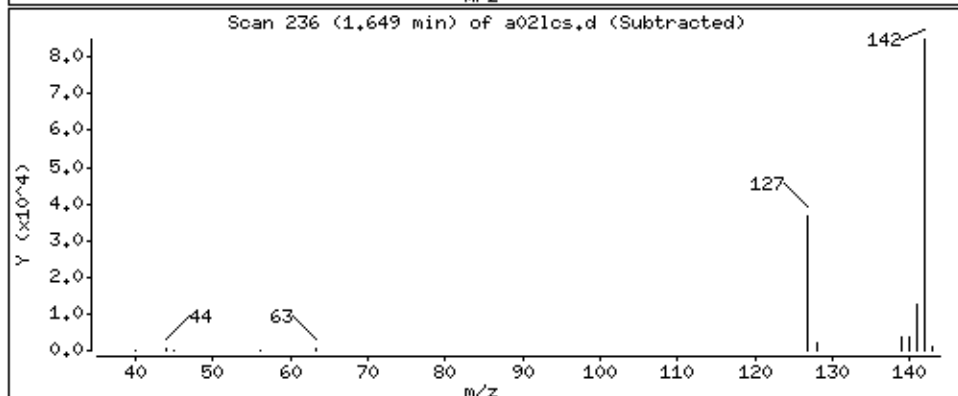
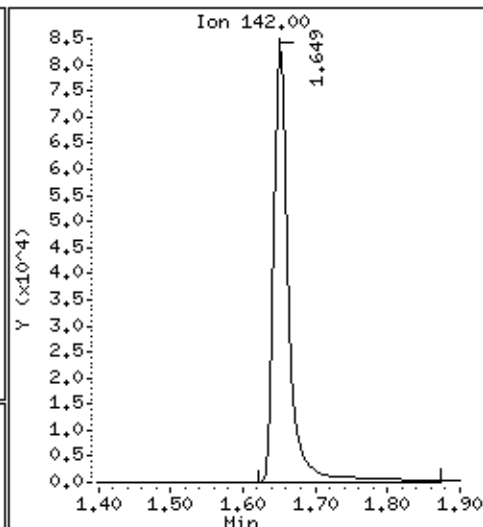
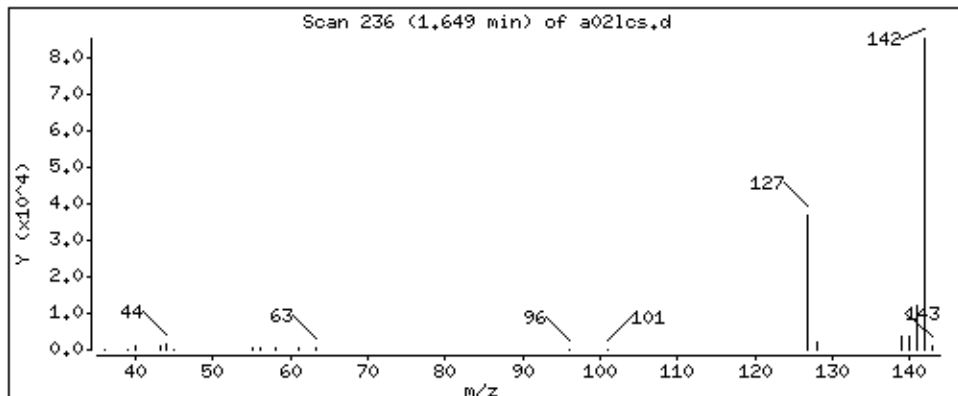
Operator: ala

Column phase: DB-624

Column diameter: 0,18

13 Iodomethane

Concentration: 103 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

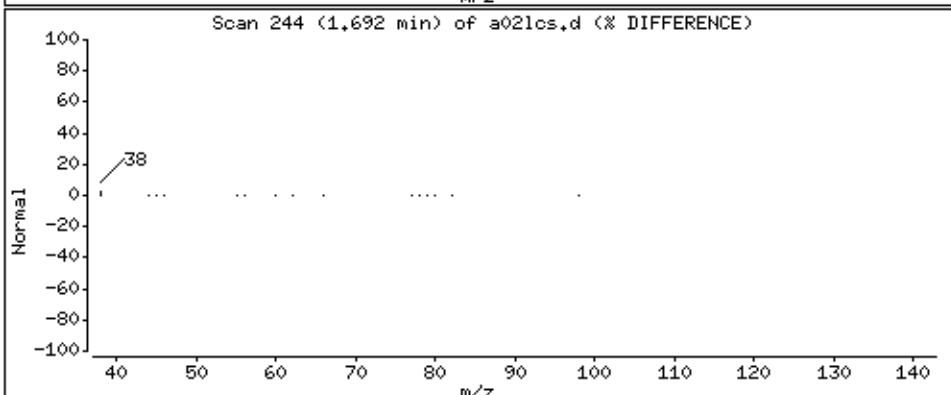
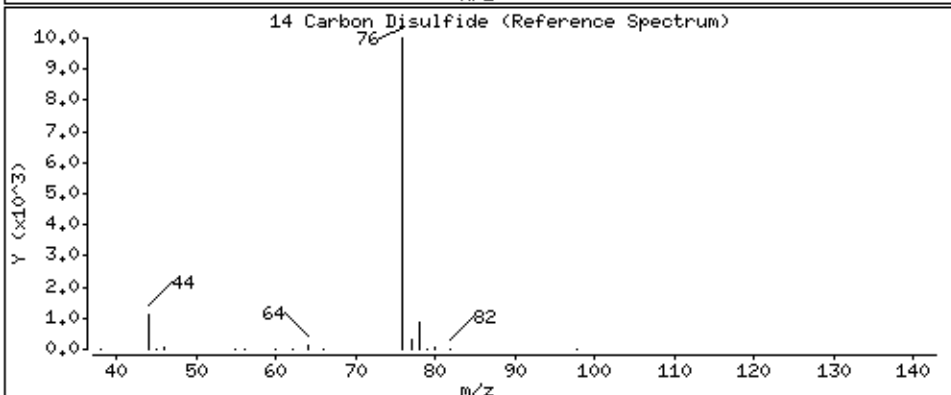
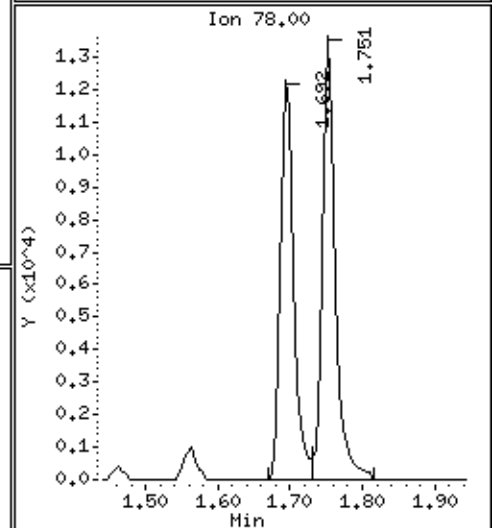
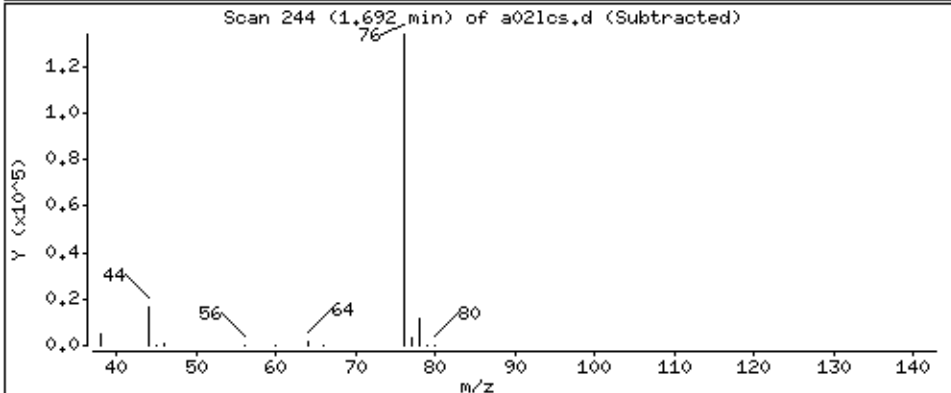
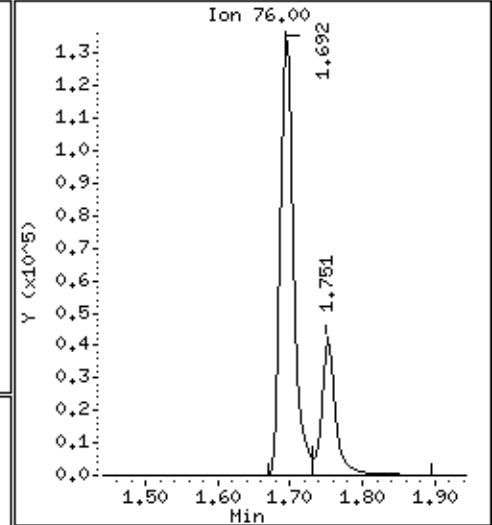
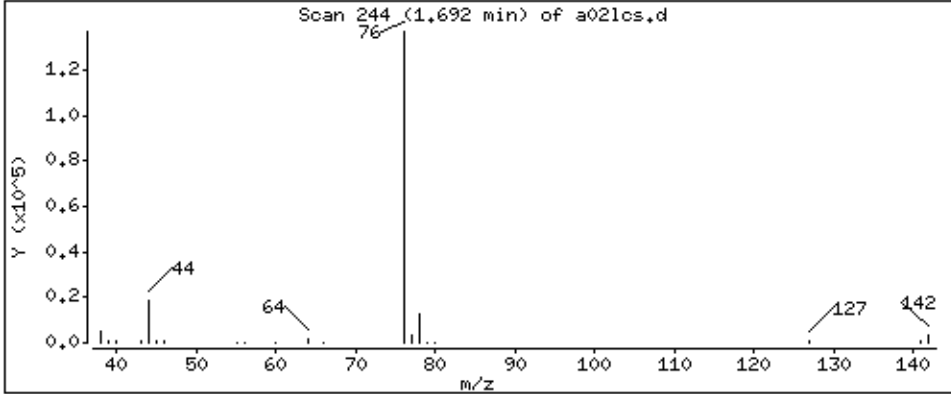
Operator: ala

Column phase: DB-624

Column diameter: 0,18

14 Carbon Disulfide

Concentration: 47,0 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

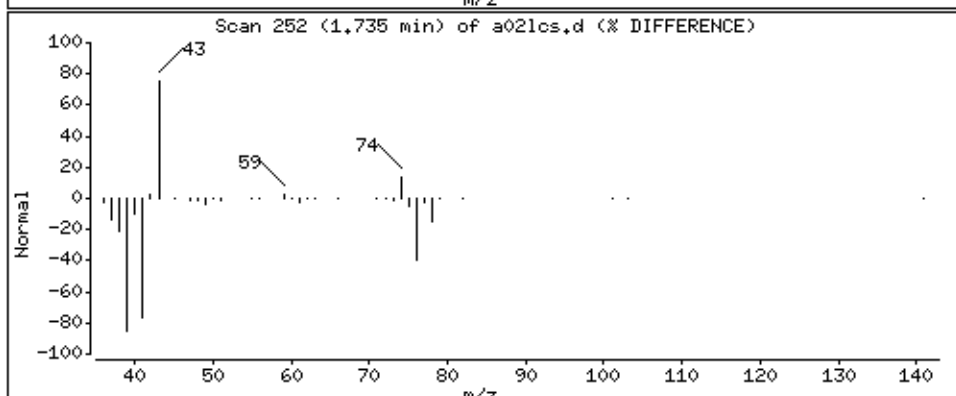
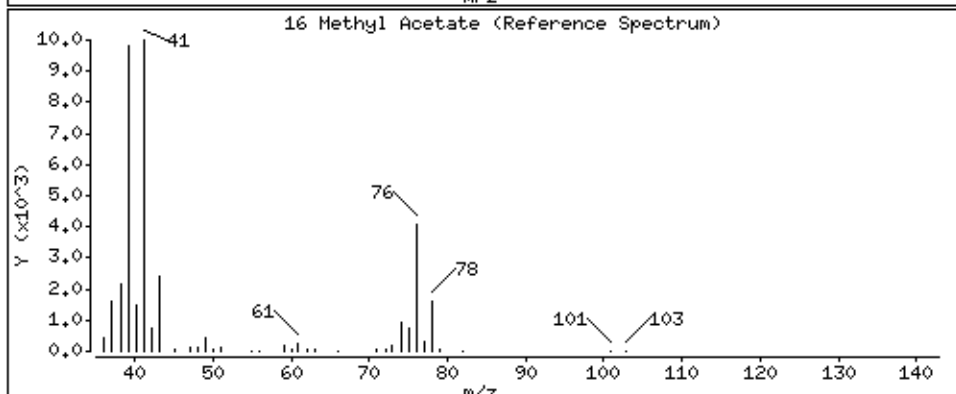
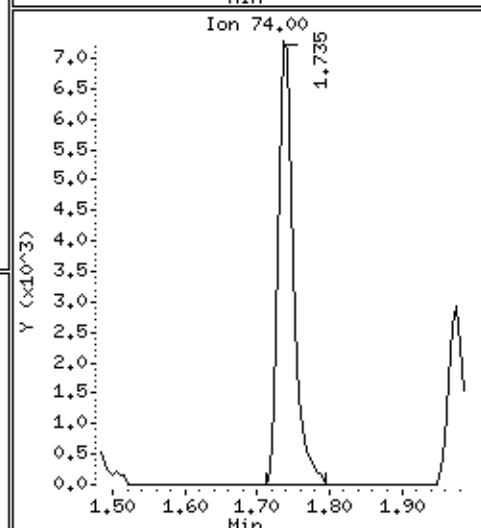
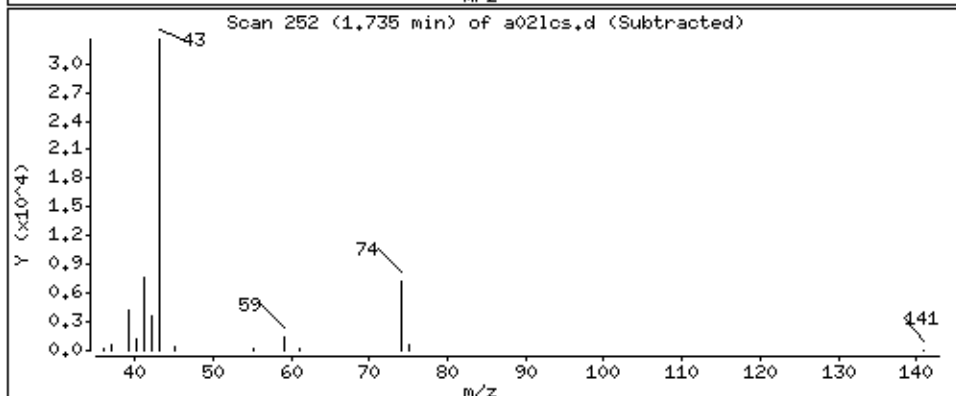
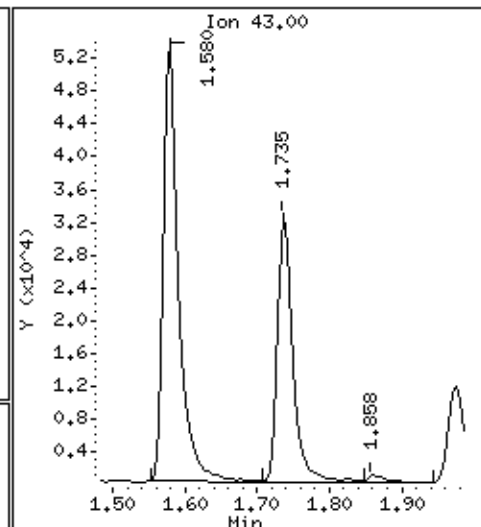
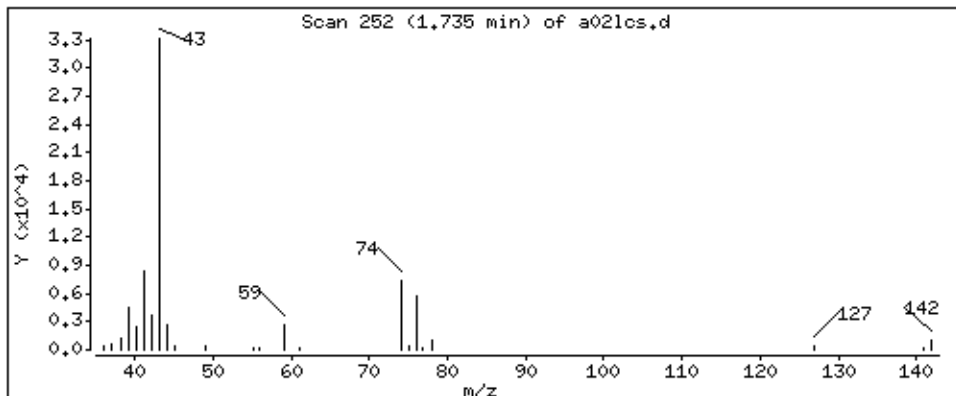
Operator: ala

Column phase: DB-624

Column diameter: 0,18

16 Methyl Acetate

Concentration: 76,6 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

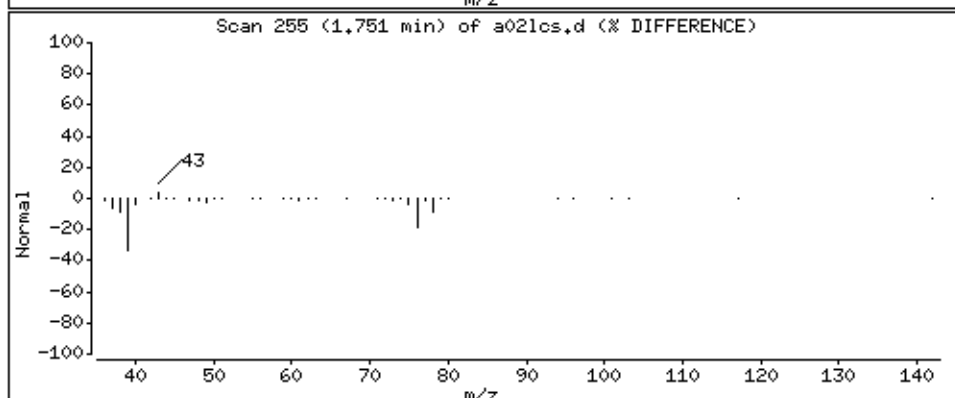
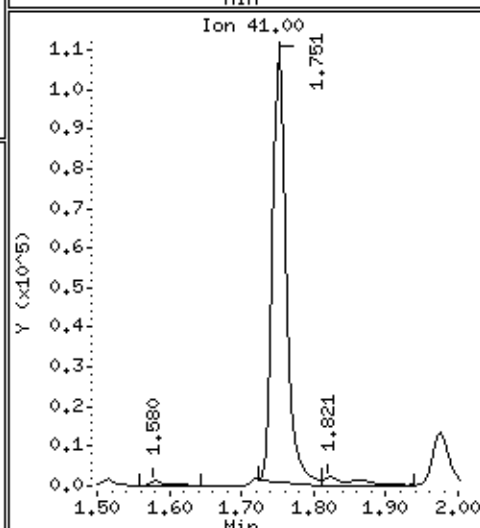
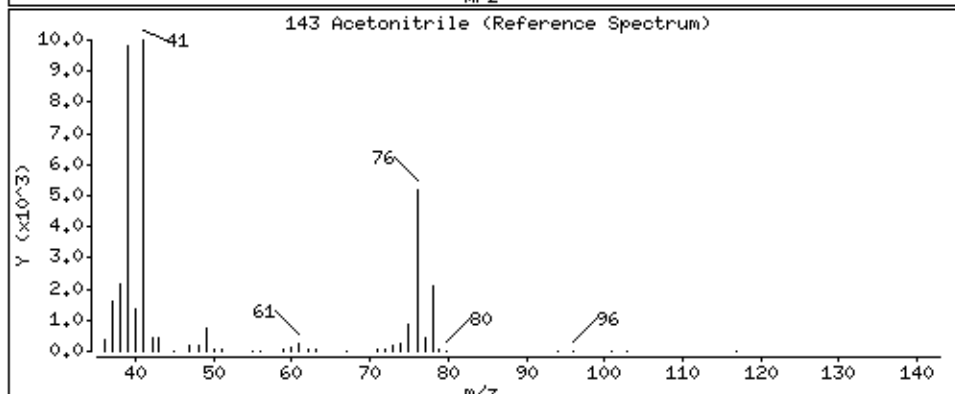
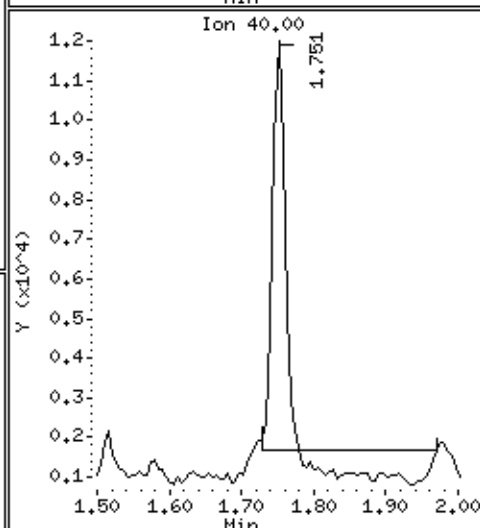
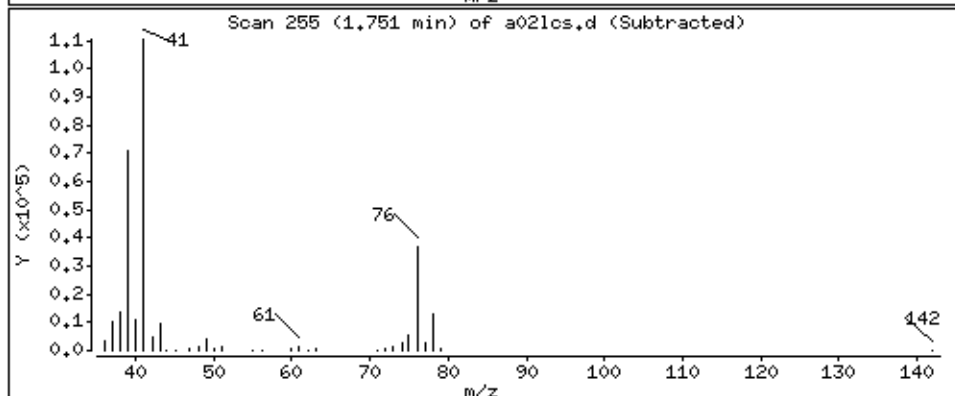
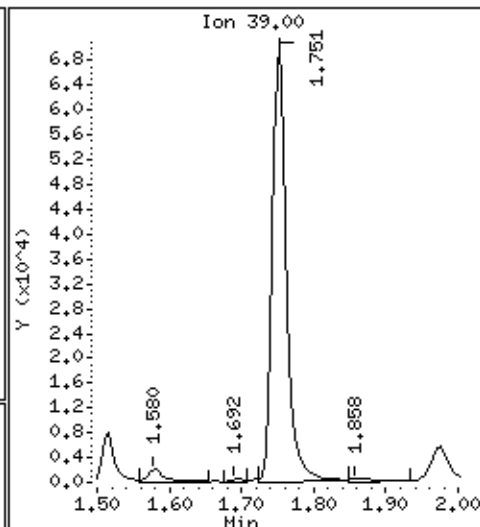
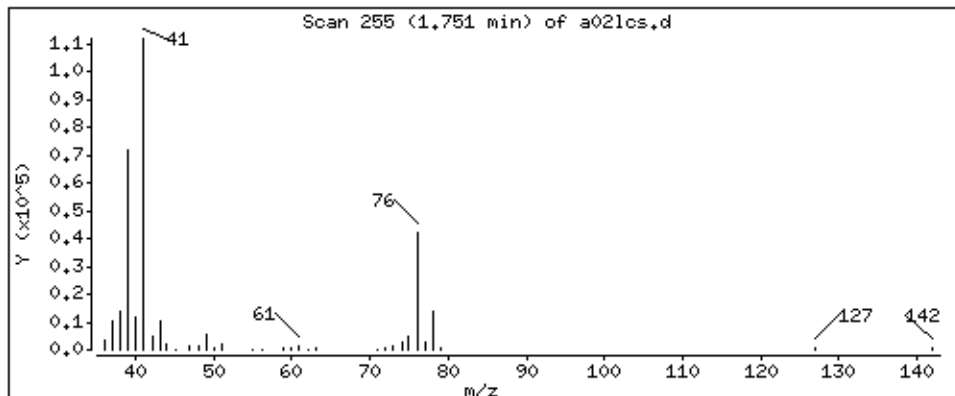
Operator: ala

Column phase: DB-624

Column diameter: 0,18

143 Acetonitrile

Concentration: 46,0 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

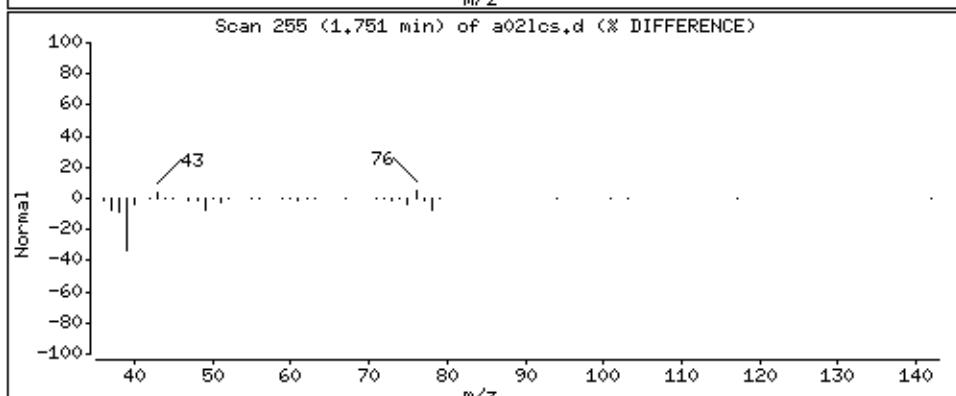
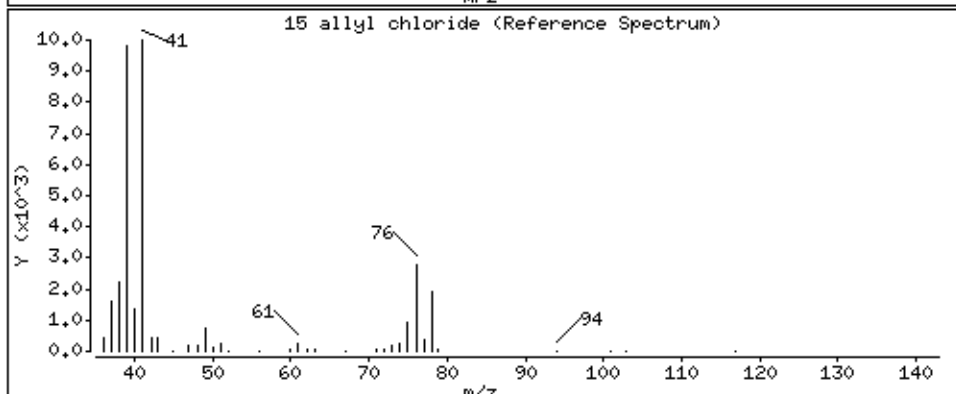
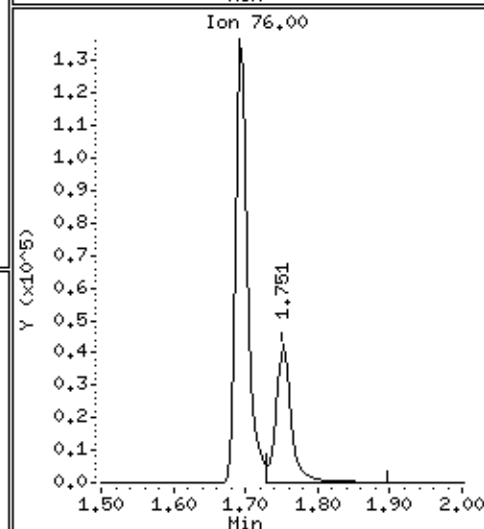
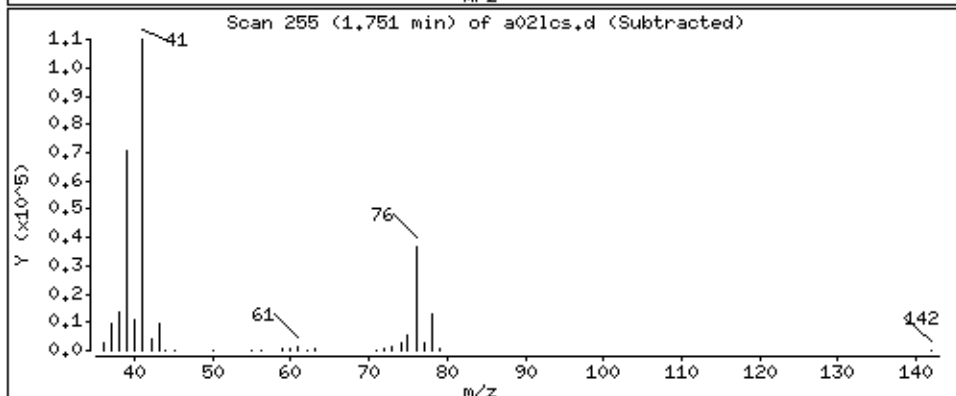
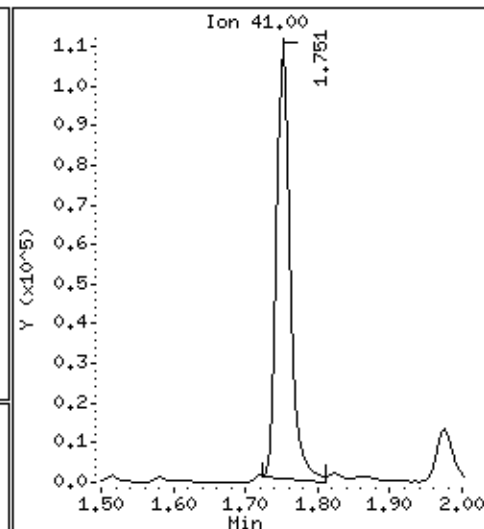
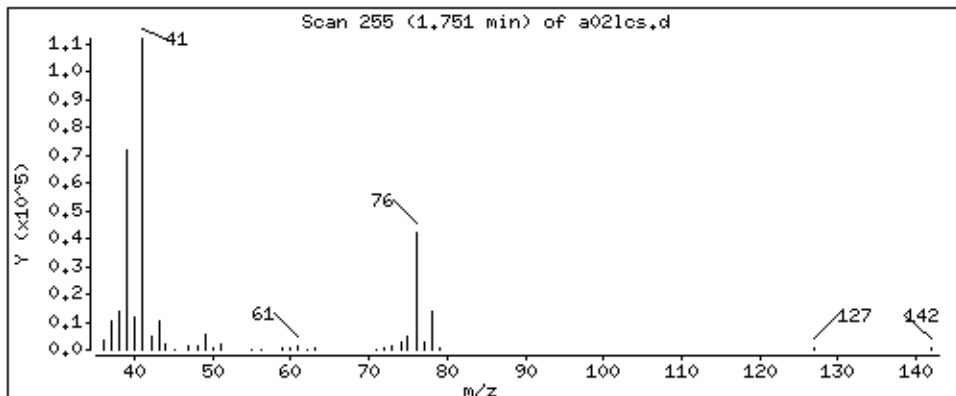
Operator: ala

Column phase: DB-624

Column diameter: 0,18

15 allyl chloride

Concentration: 94,2 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730;5

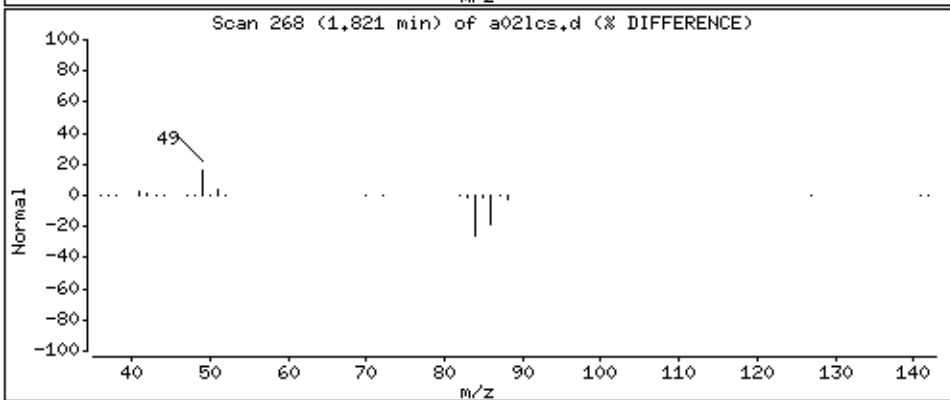
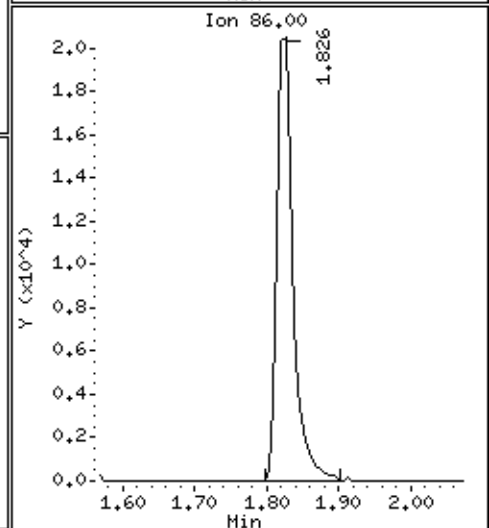
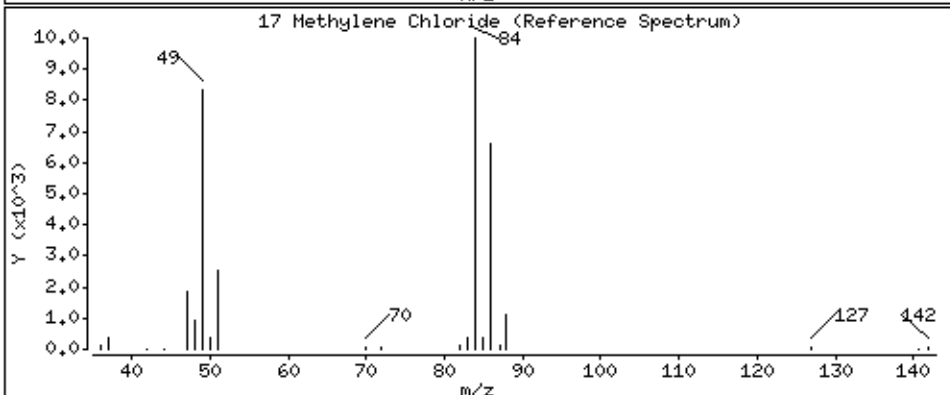
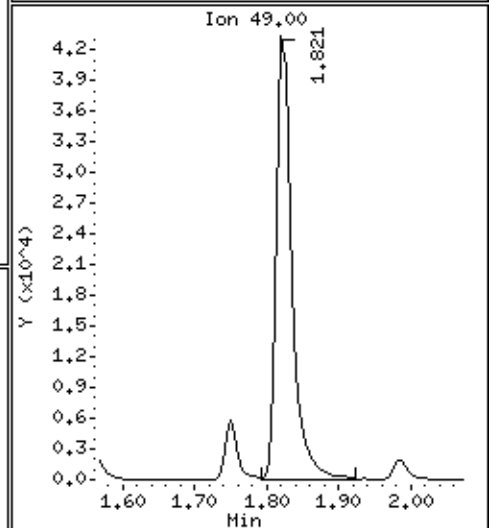
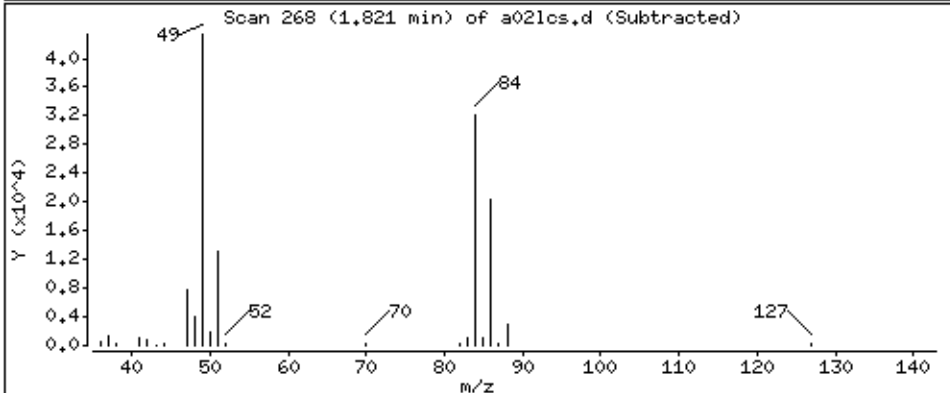
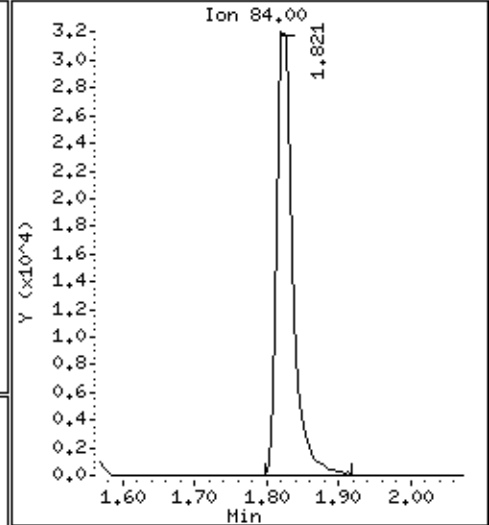
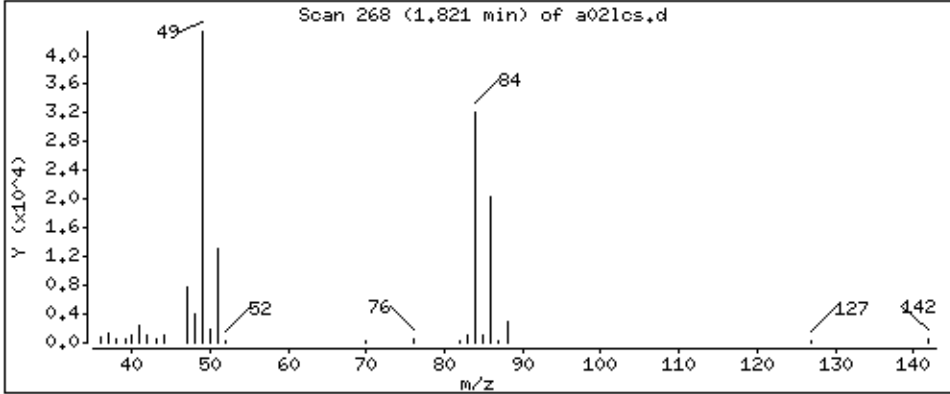
Operator: ala

Column phase: DB-624

Column diameter: 0,18

17 Methylene Chloride

Concentration: 48,3 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

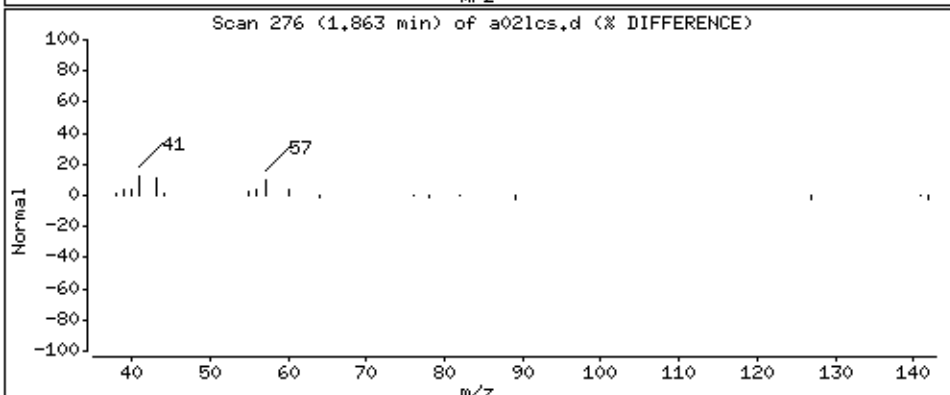
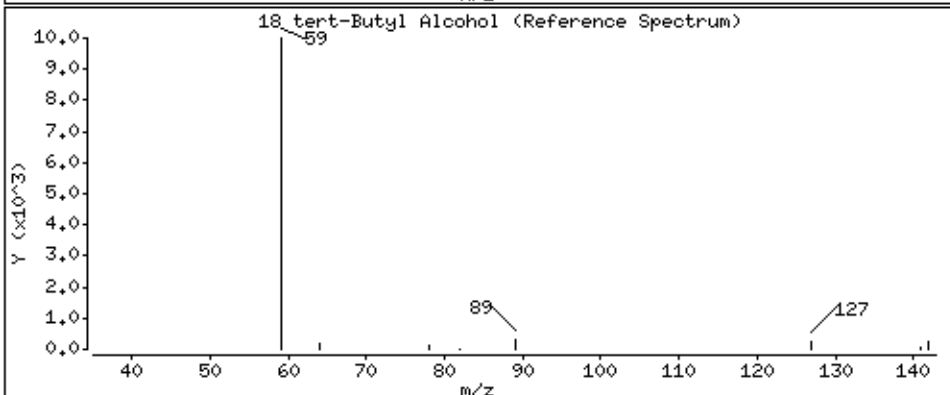
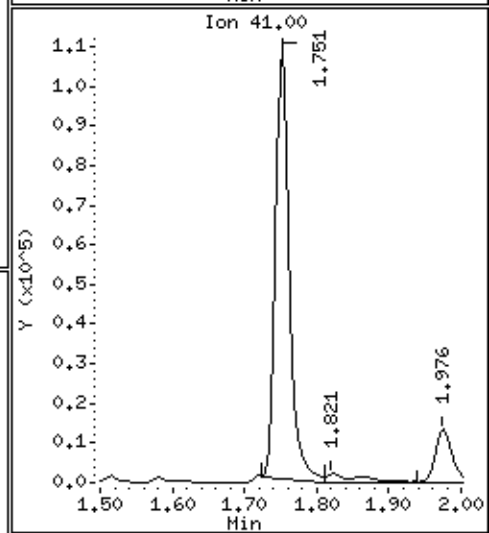
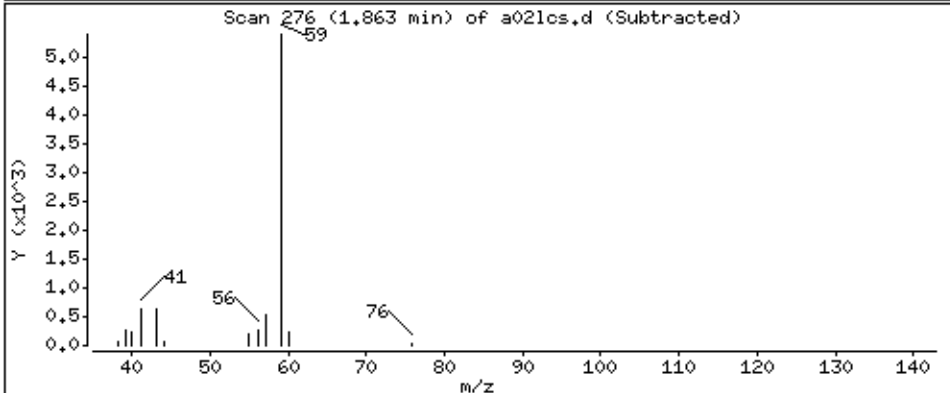
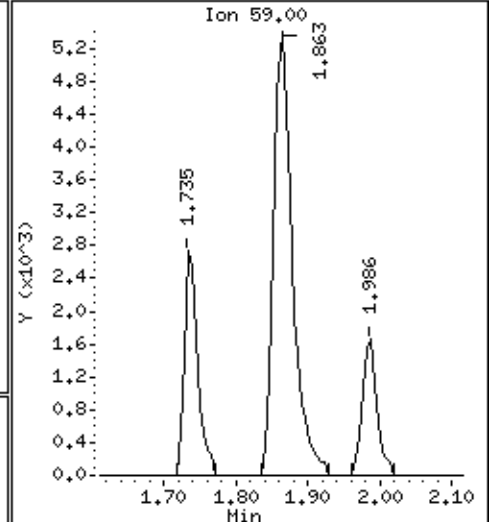
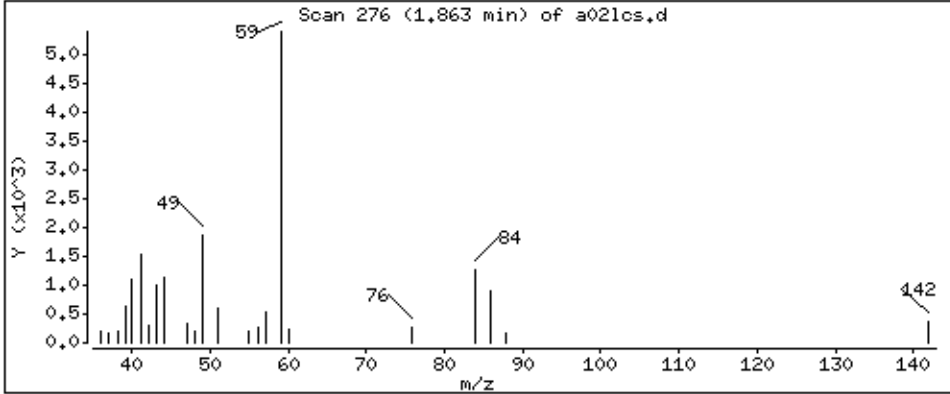
Operator: ala

Column phase: DB-624

Column diameter: 0,18

18 tert-Butyl Alcohol

Concentration: 84,4 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

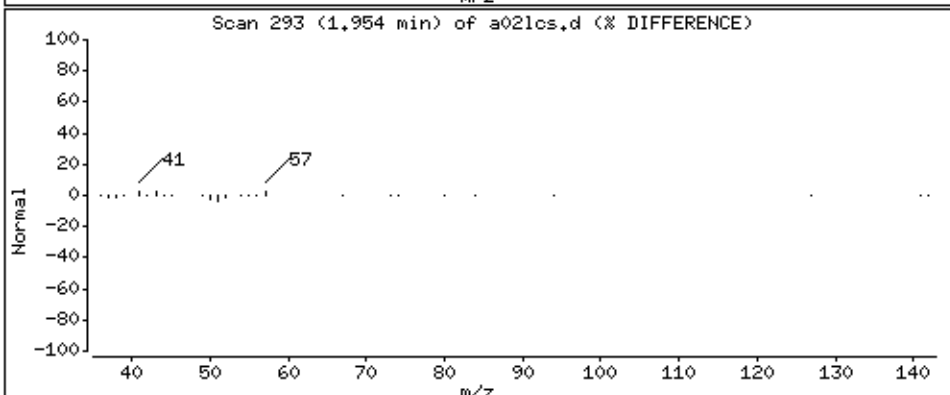
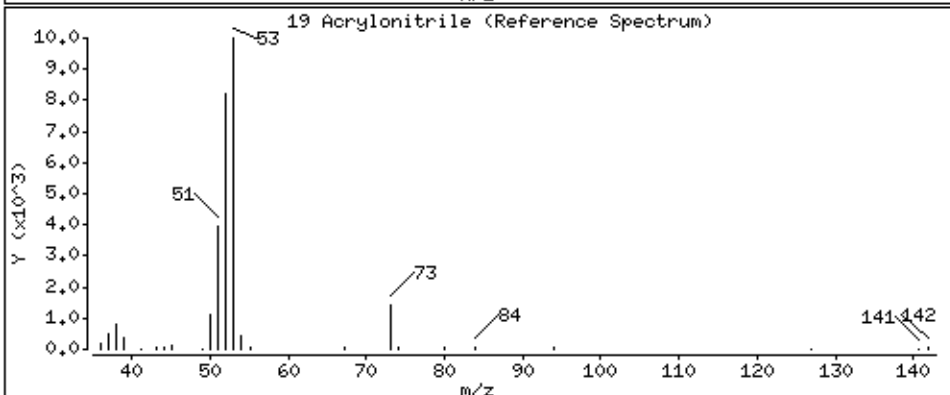
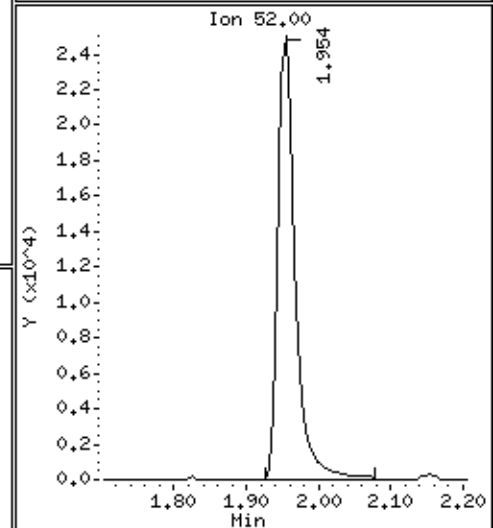
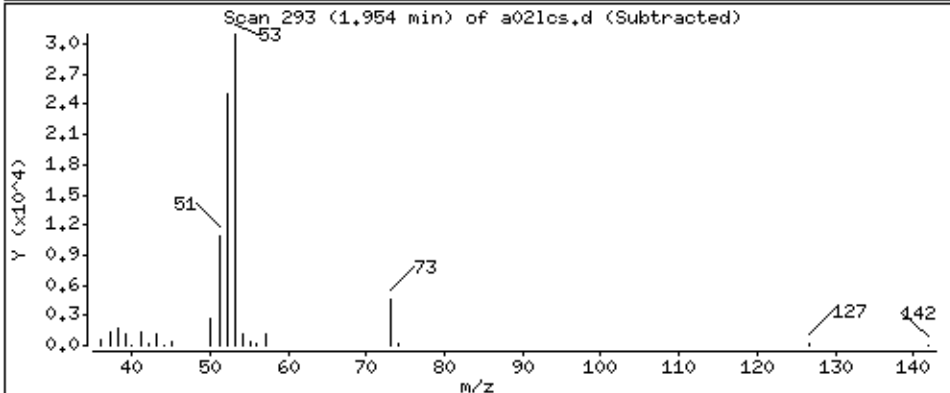
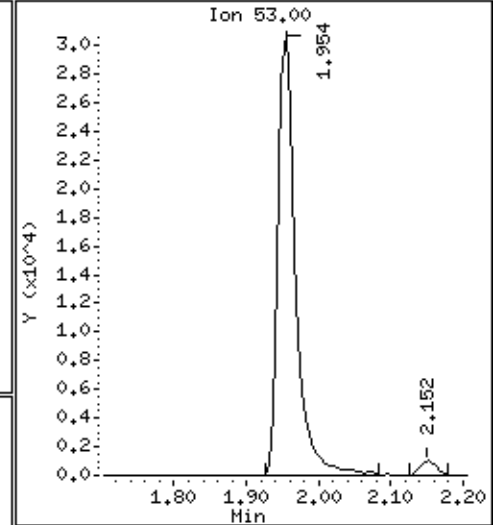
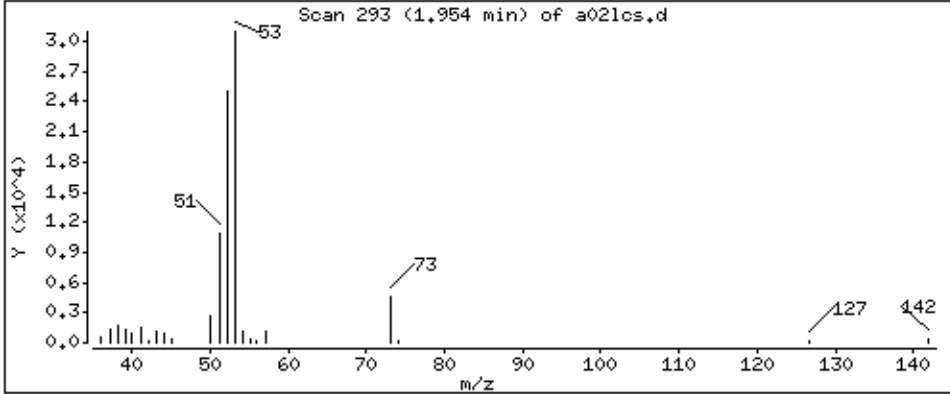
Operator: ala

Column phase: DB-624

Column diameter: 0,18

19 Acrylonitrile

Concentration: 185 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

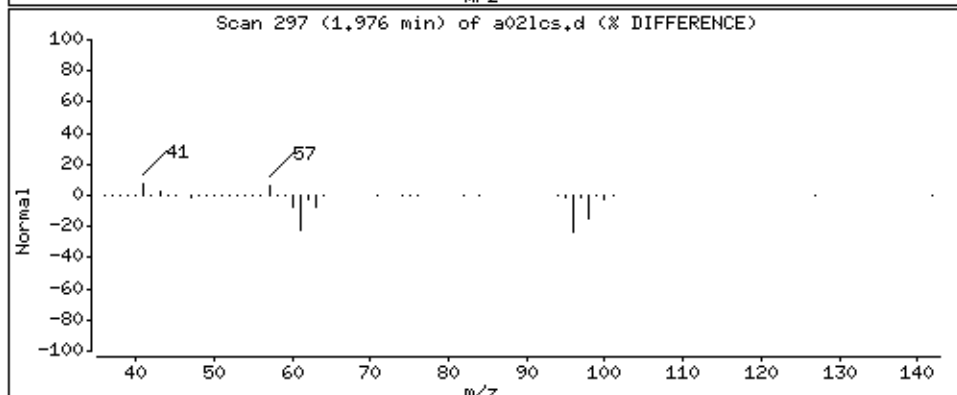
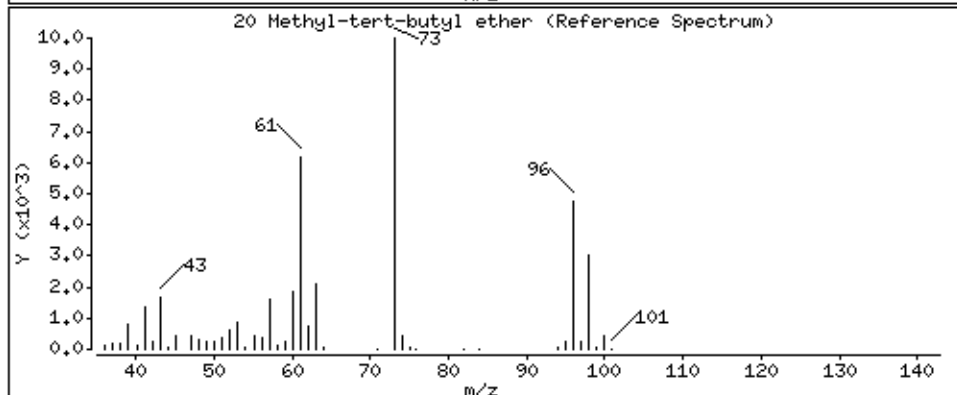
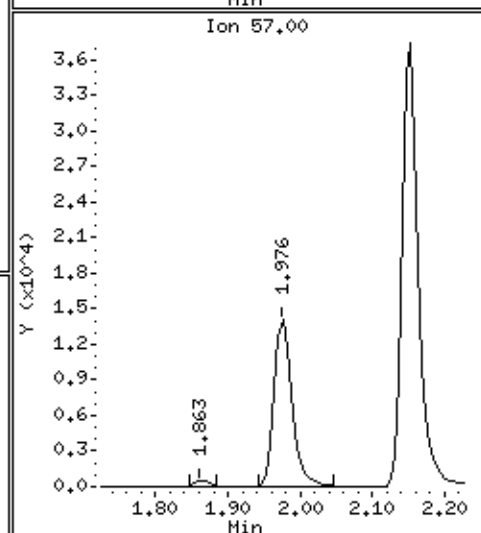
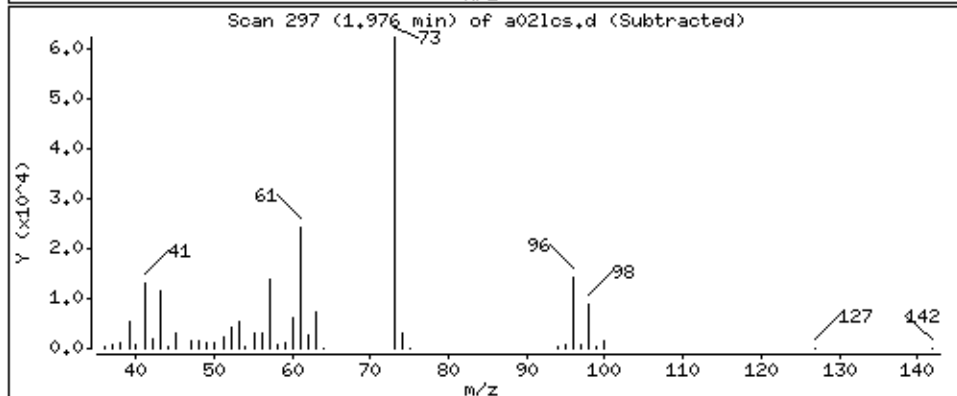
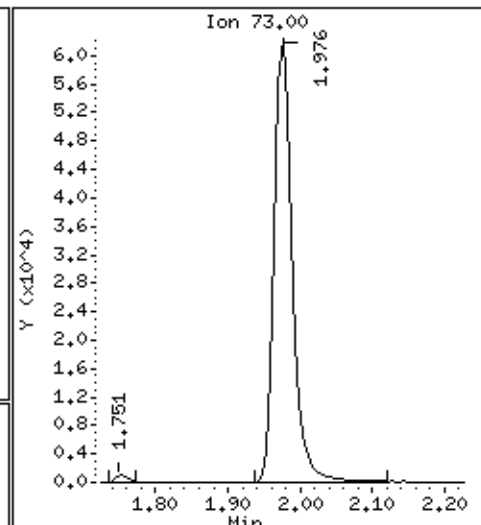
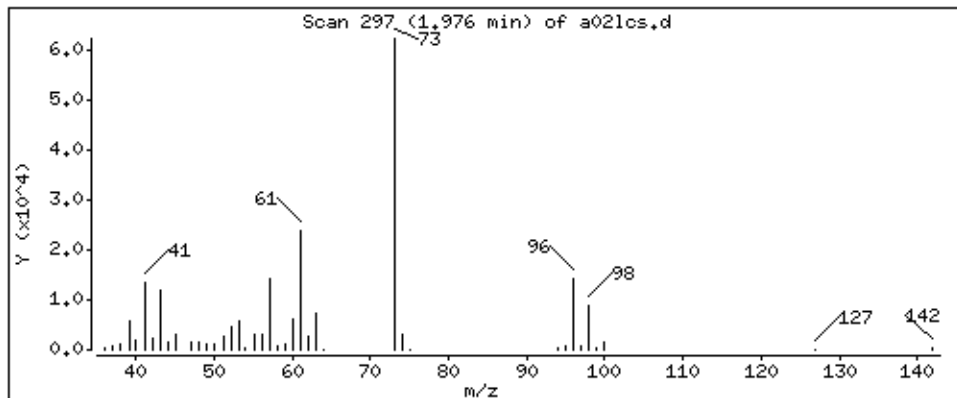
Operator: ala

Column phase: DB-624

Column diameter: 0,18

20 Methyl-tert-butyl ether

Concentration: 51.6 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730;5

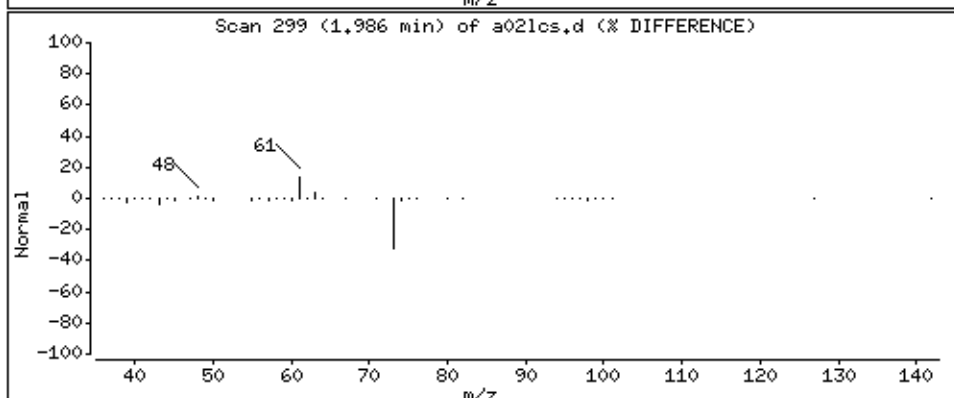
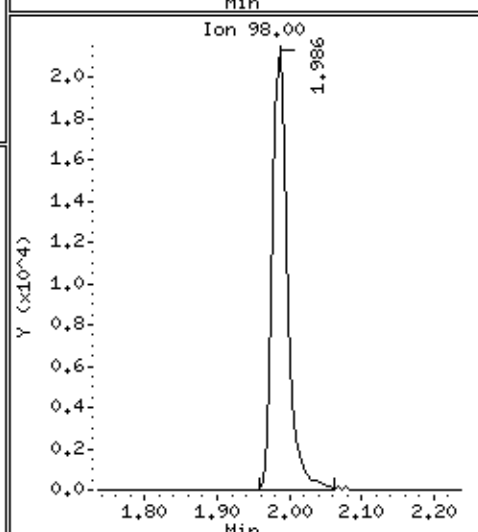
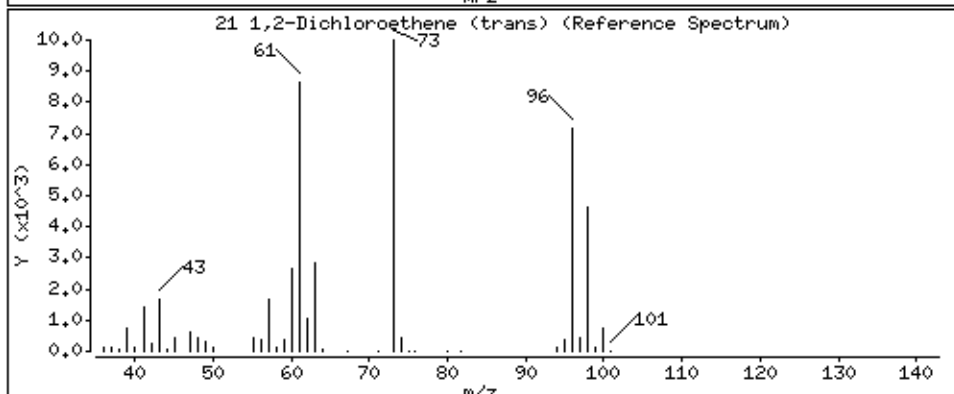
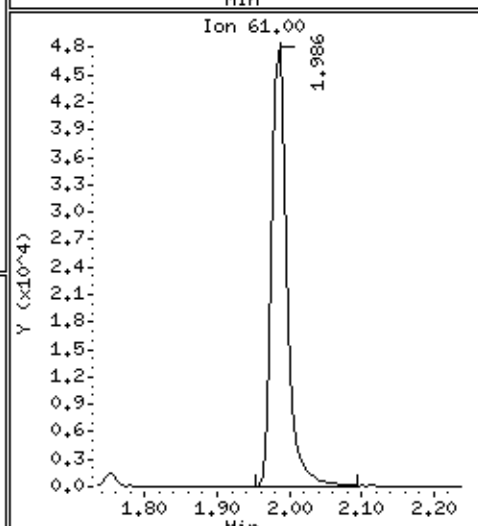
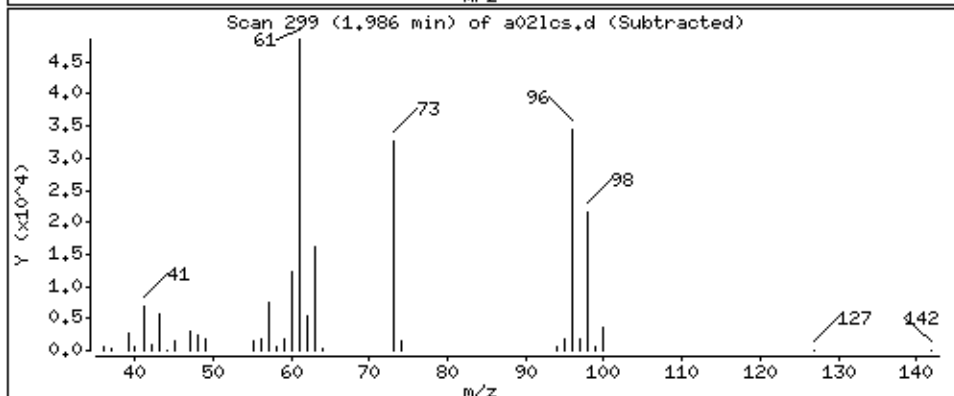
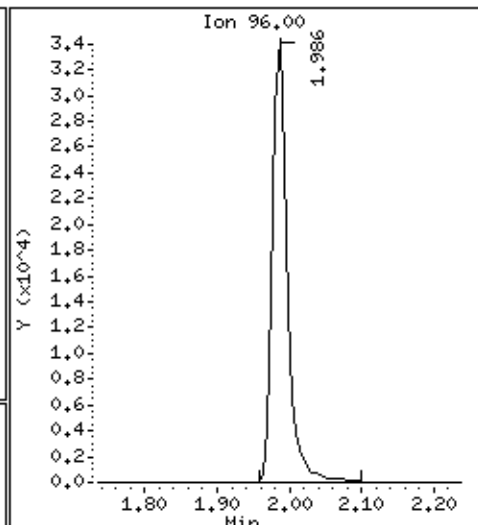
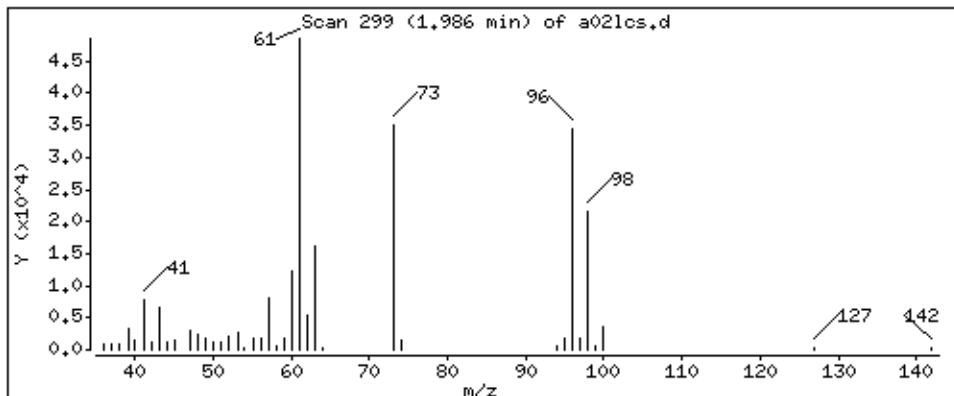
Operator: ala

Column phase: DB-624

Column diameter: 0,18

21 1,2-Dichloroethene (trans)

Concentration: 47,8 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

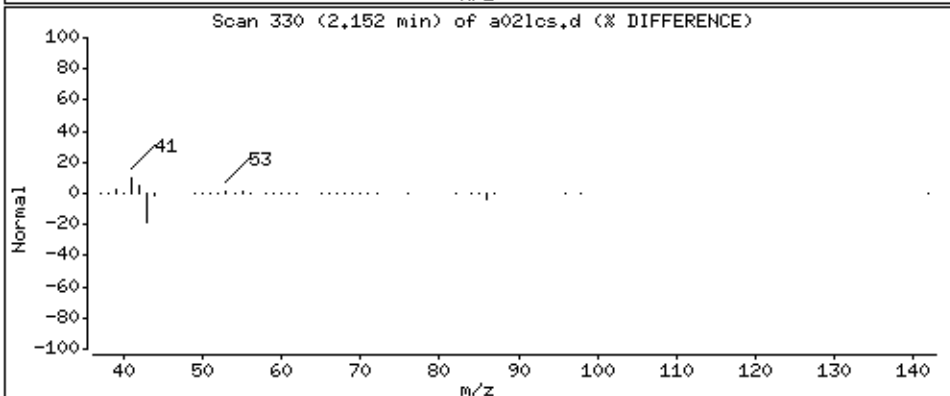
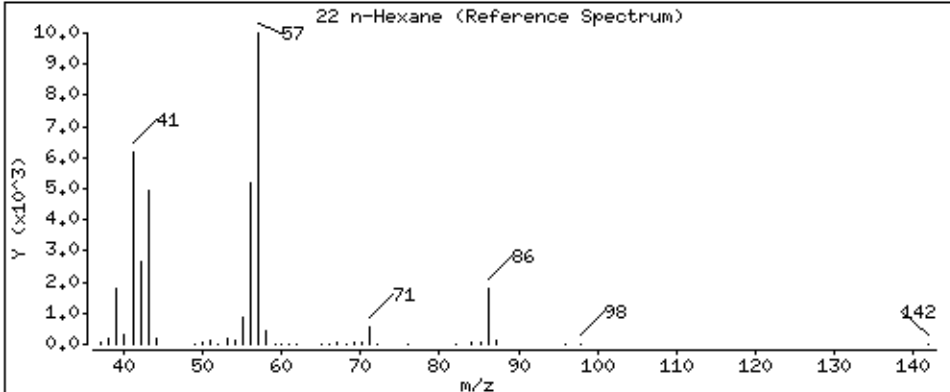
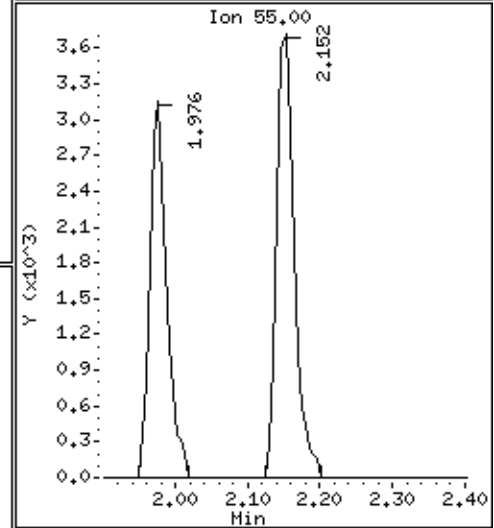
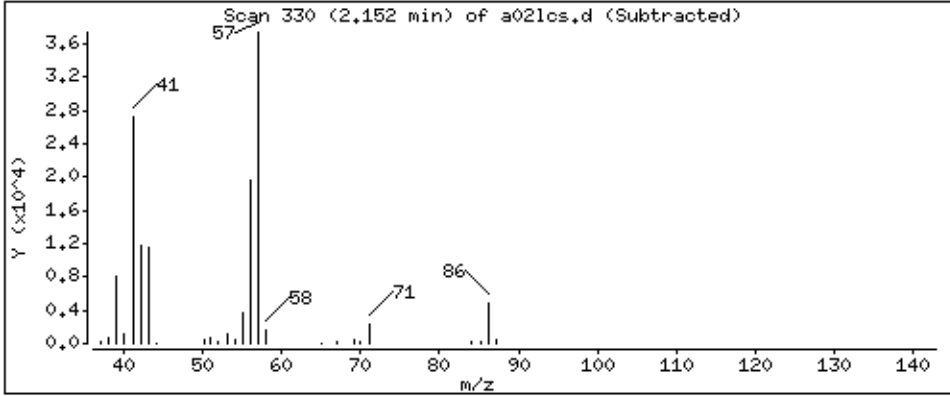
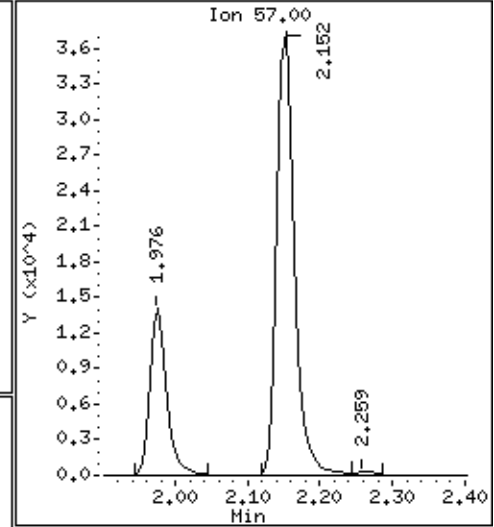
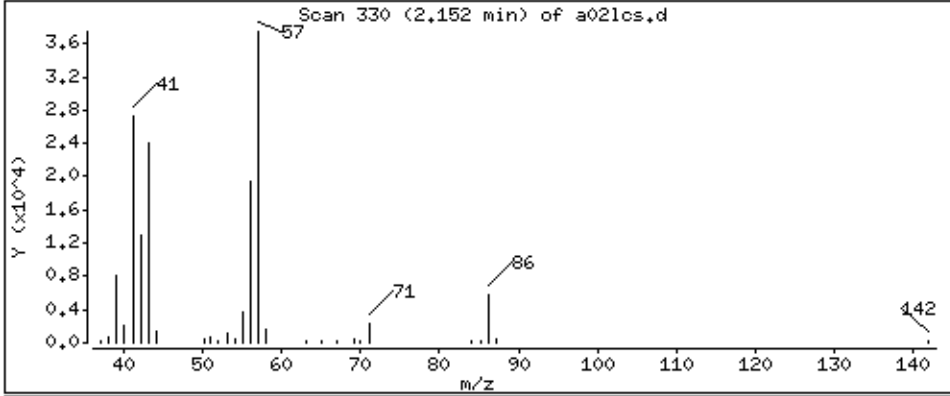
Operator: ala

Column phase: DB-624

Column diameter: 0,18

22 n-Hexane

Concentration: 45,0 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

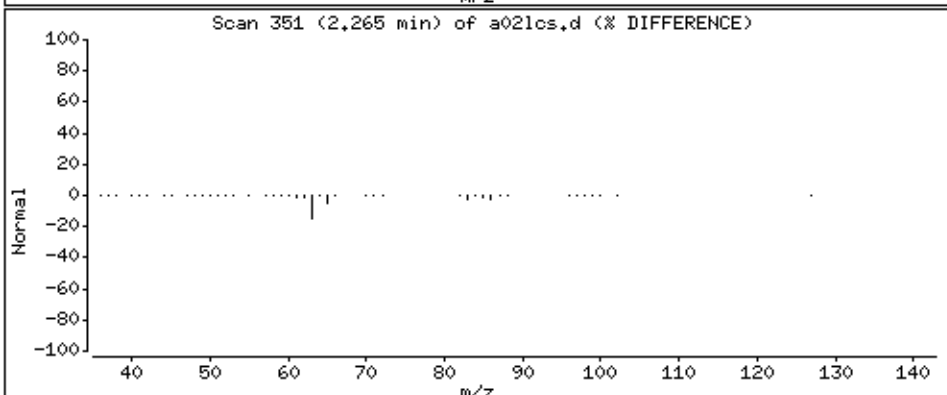
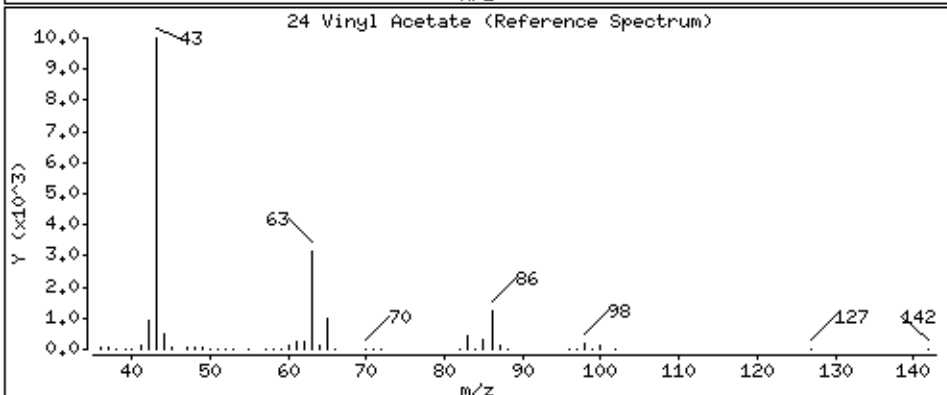
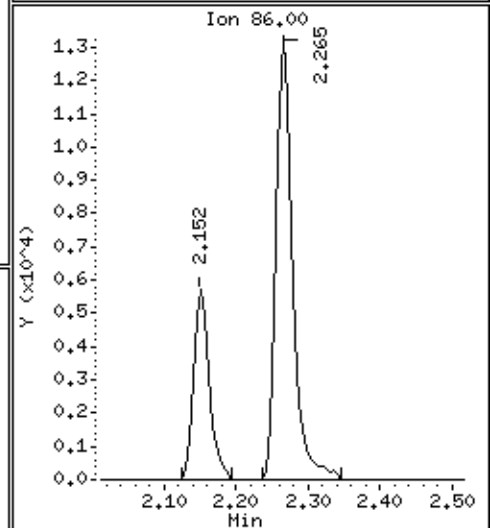
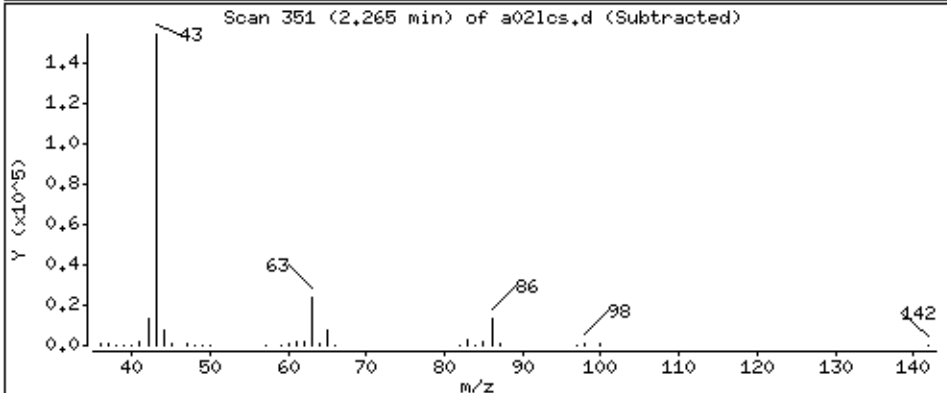
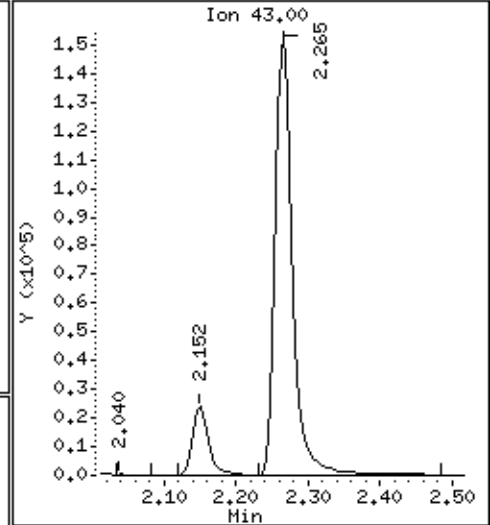
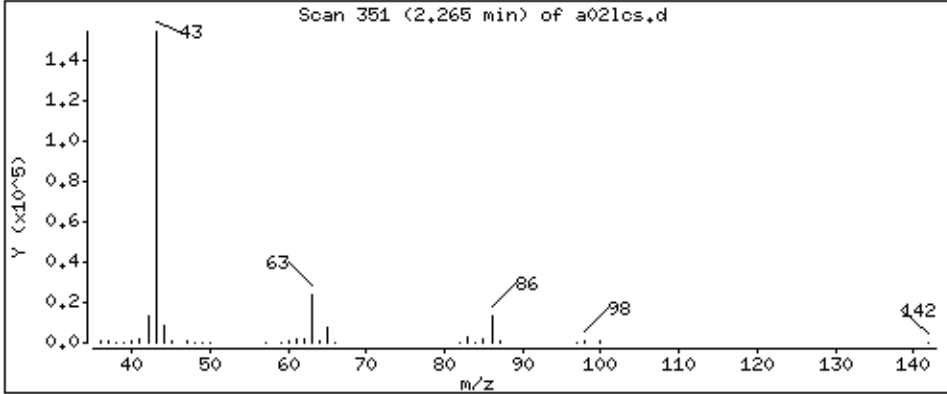
Operator: ala

Column phase: DB-624

Column diameter: 0,18

24 Vinyl Acetate

Concentration: 197 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

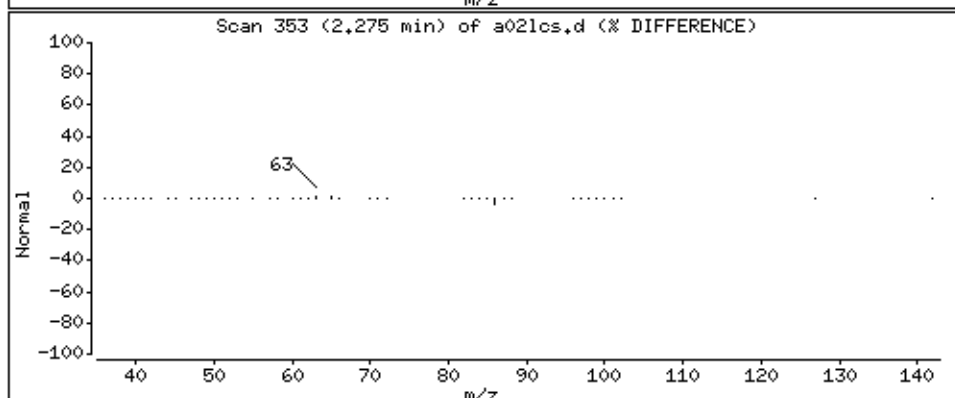
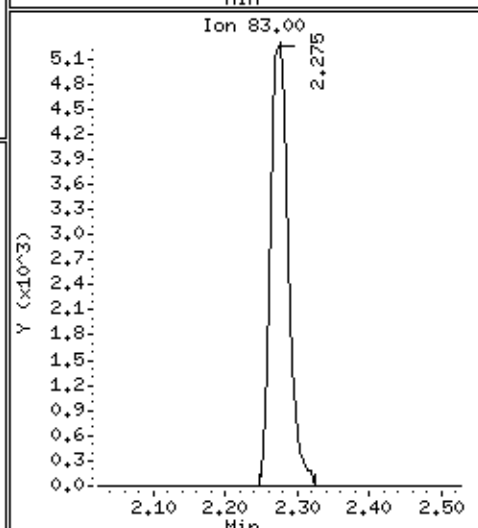
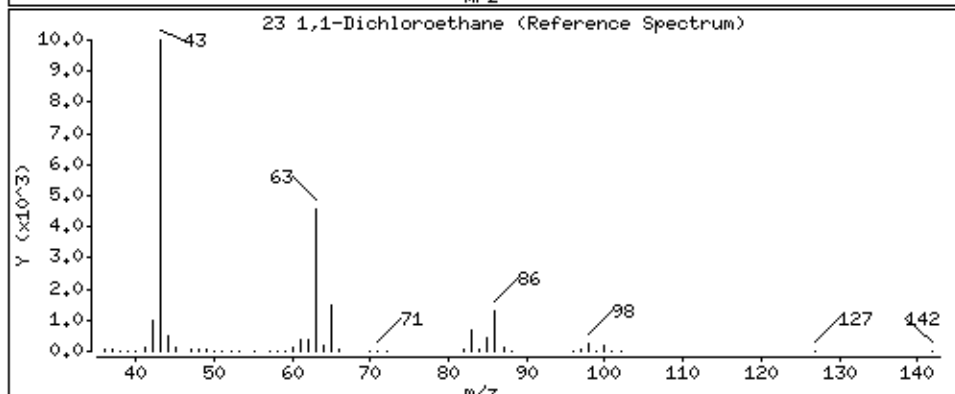
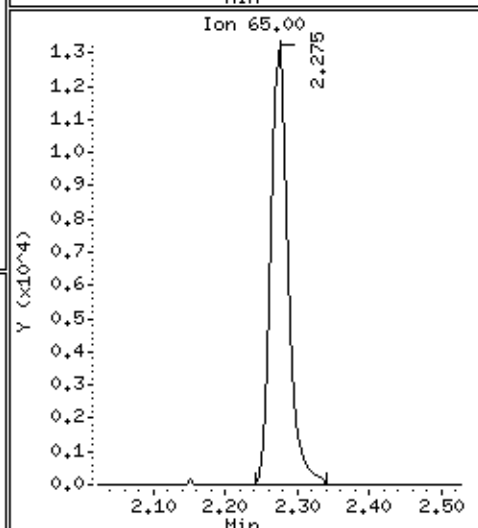
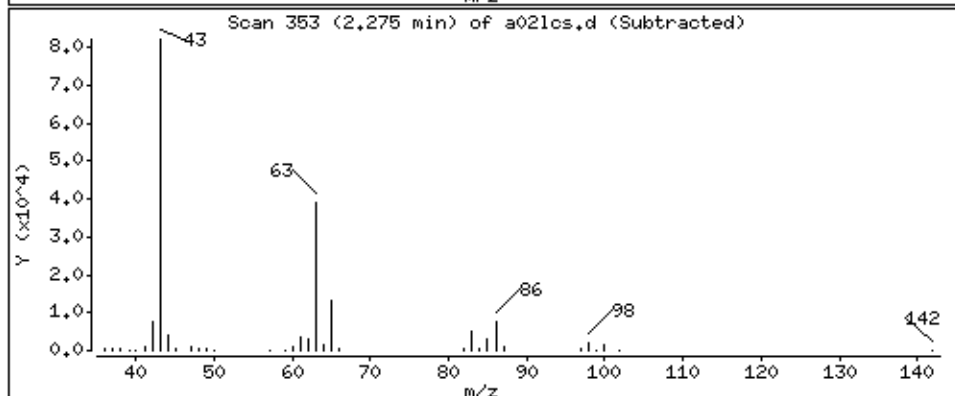
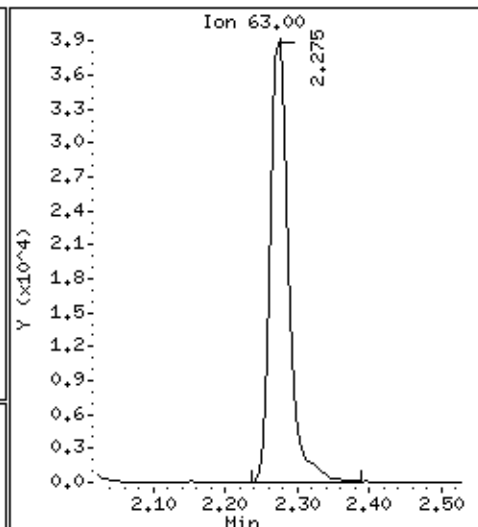
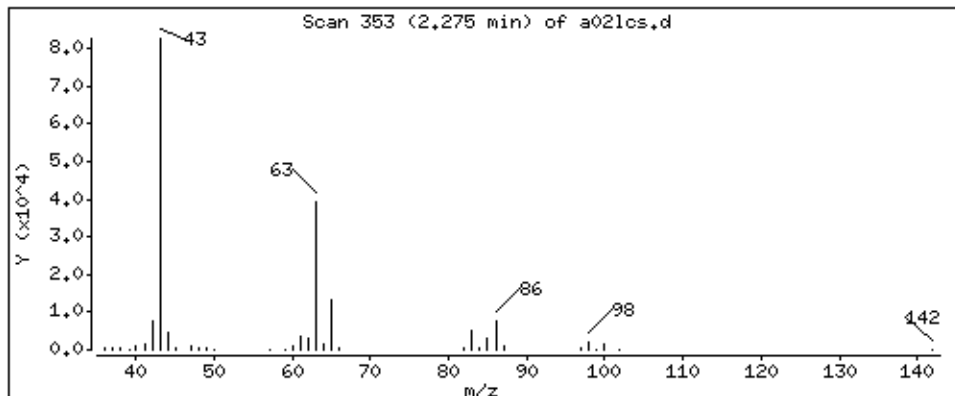
Operator: ala

Column phase: DB-624

Column diameter: 0,18

23 1,1-Dichloroethane

Concentration: 45,7 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730;5

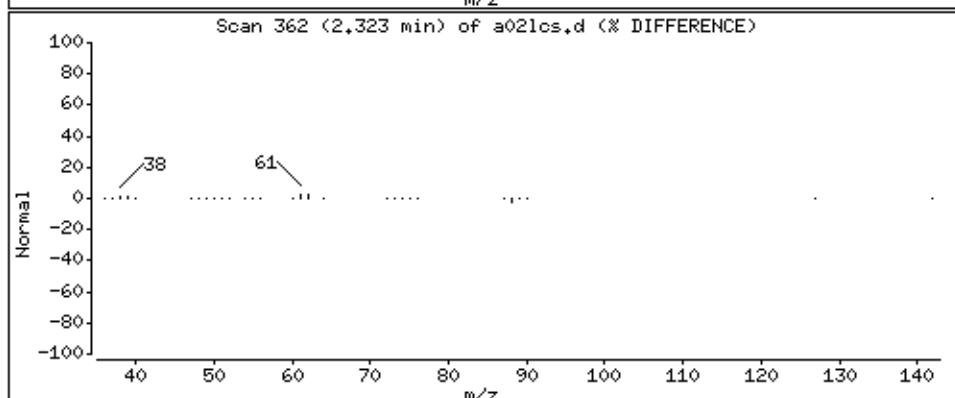
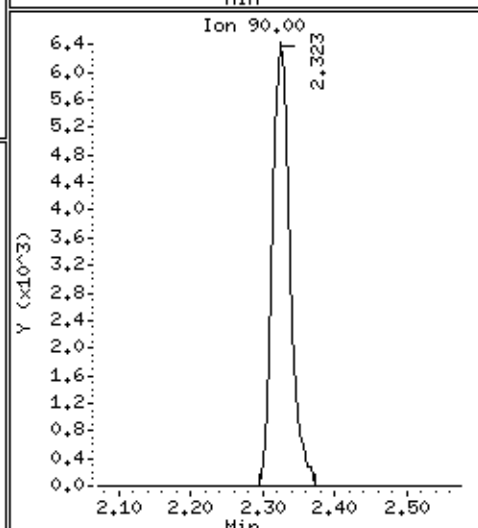
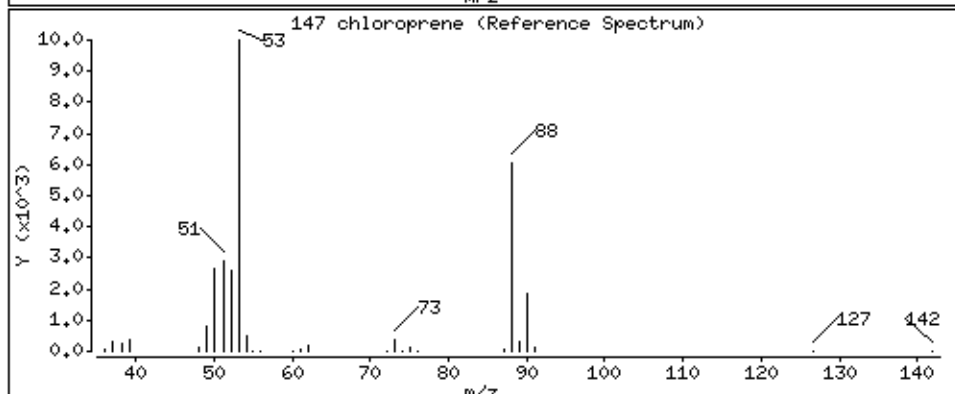
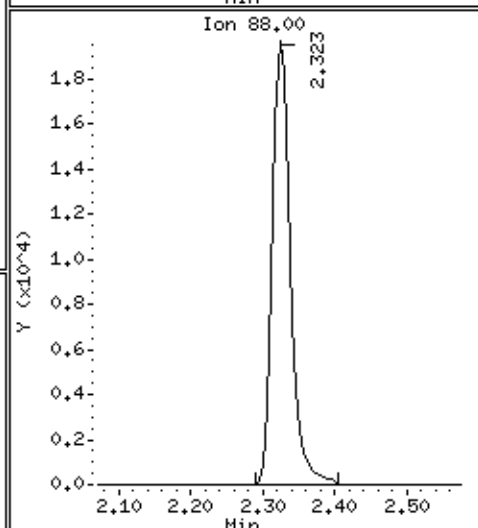
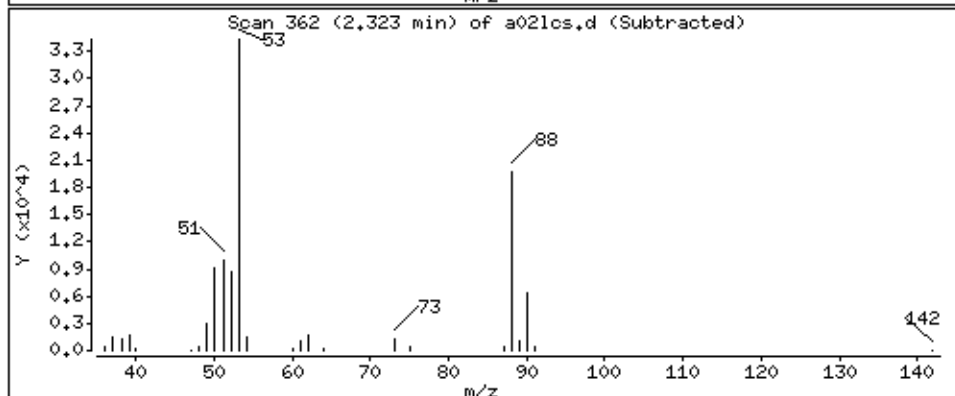
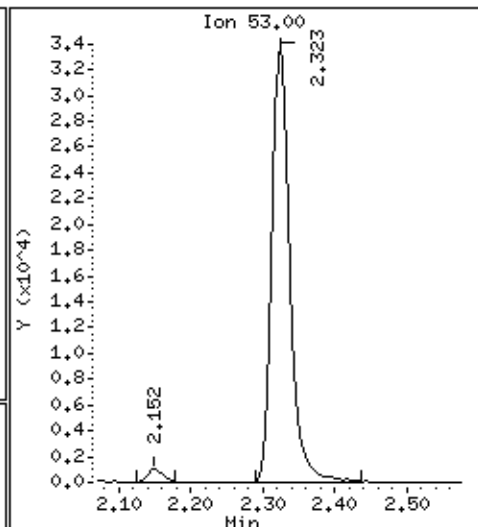
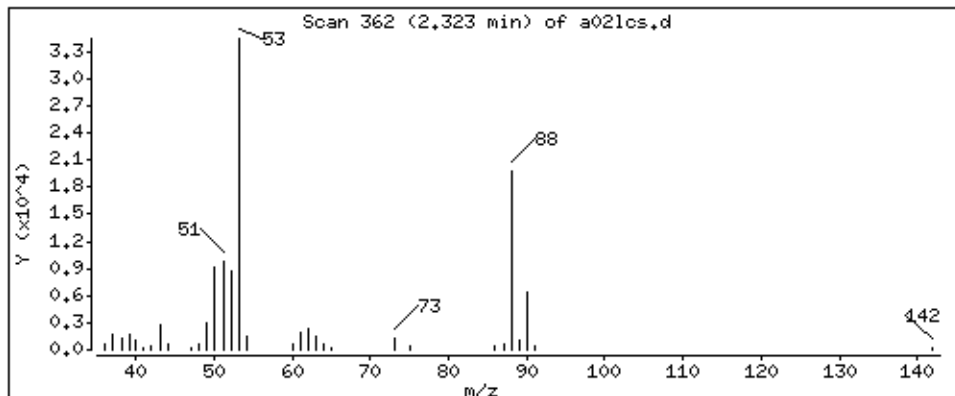
Operator: ala

Column phase: DB-624

Column diameter: 0,18

147 chloroprene

Concentration: 51,1 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

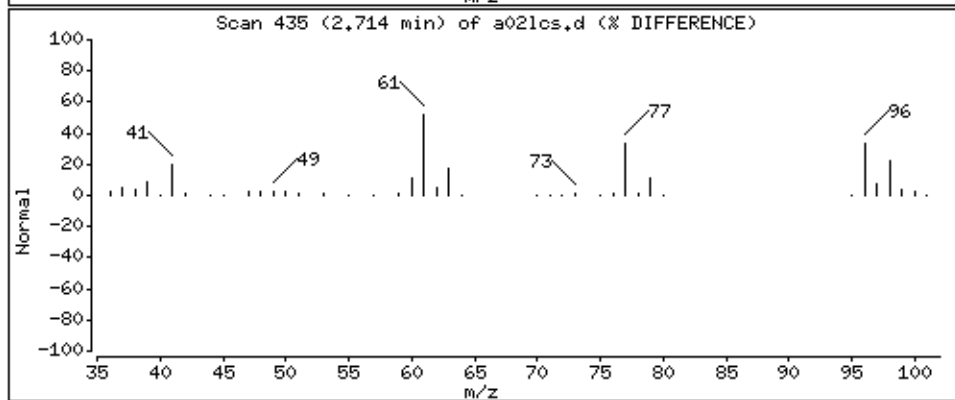
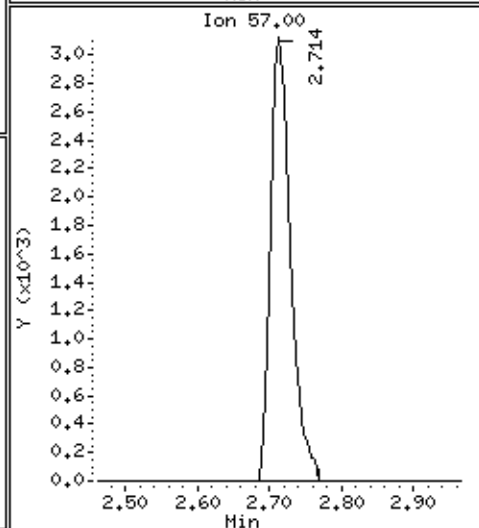
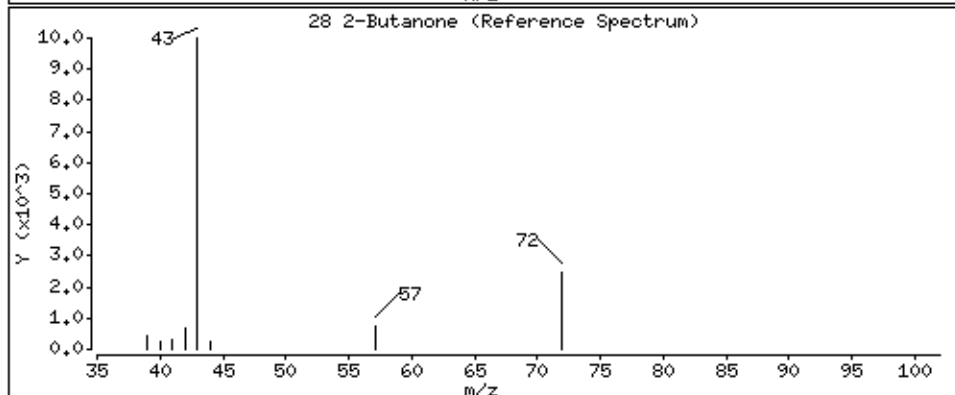
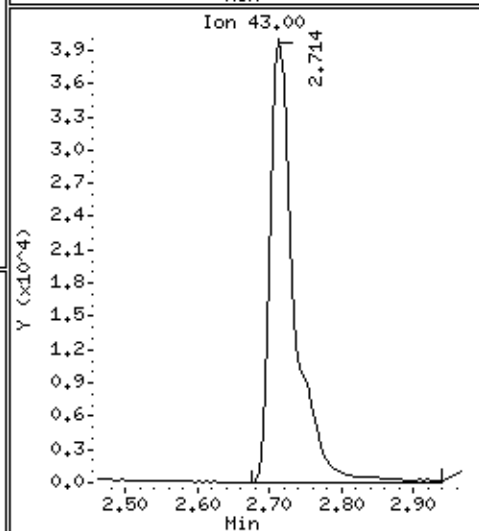
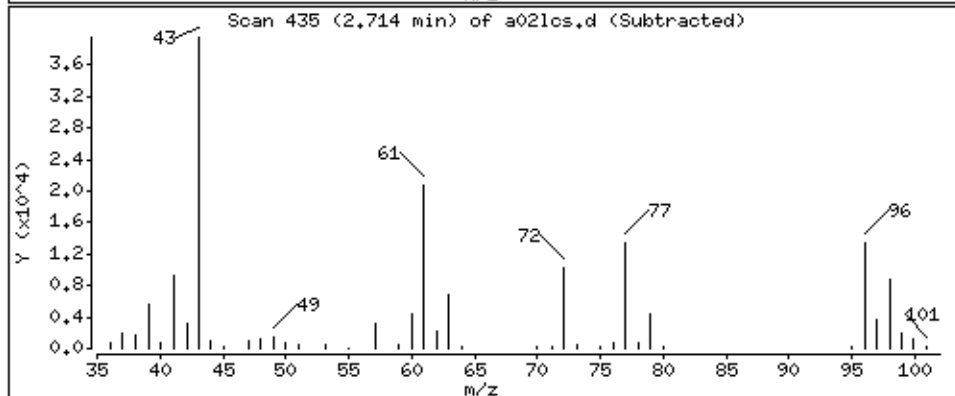
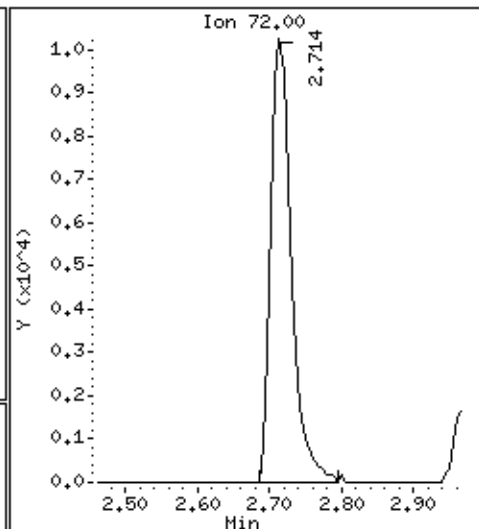
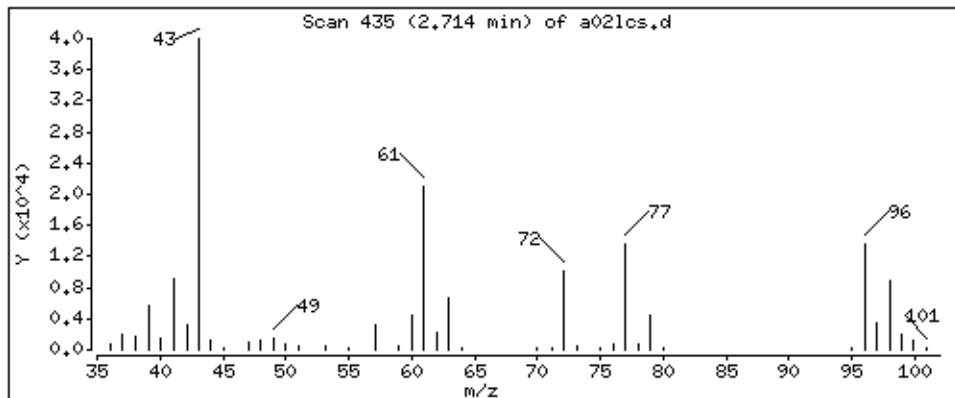
Operator: ala

Column phase: DB-624

Column diameter: 0,18

28 2-Butanone

Concentration: 230 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730;5

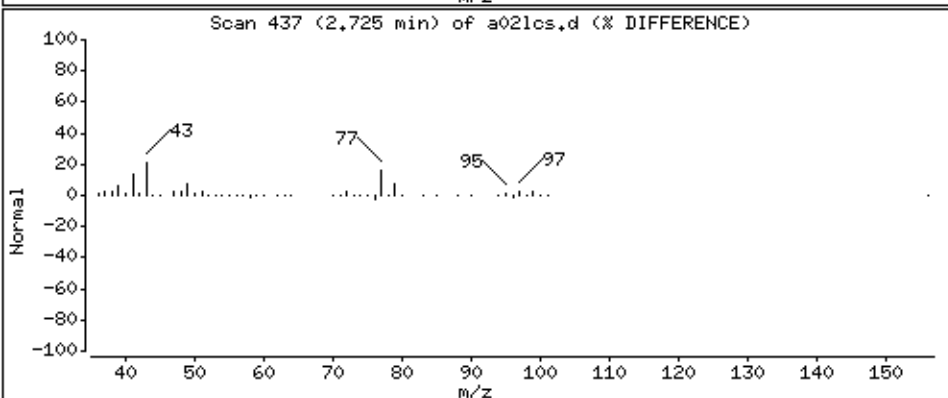
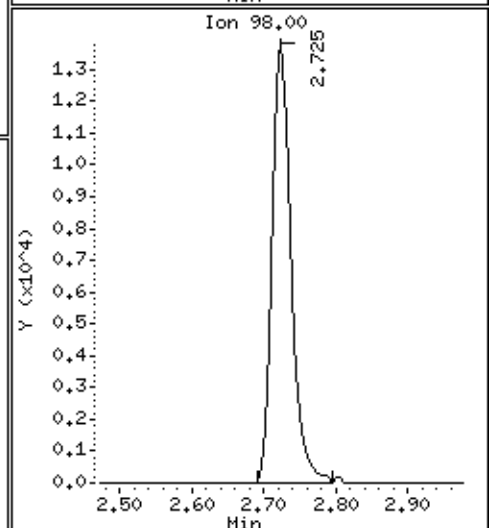
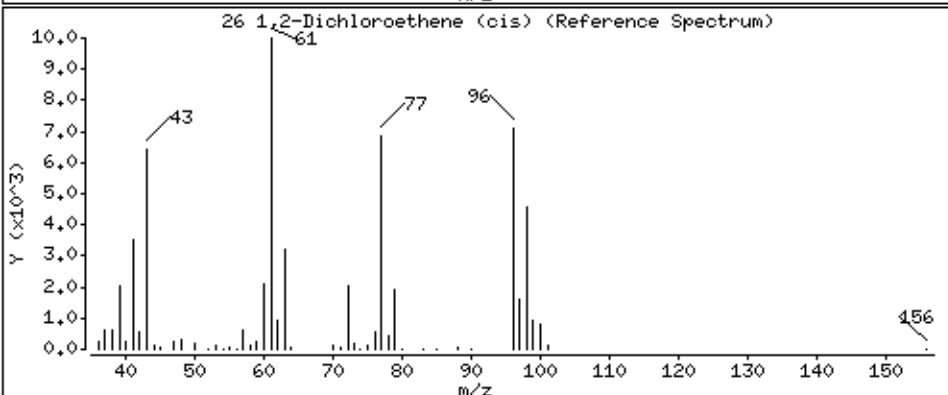
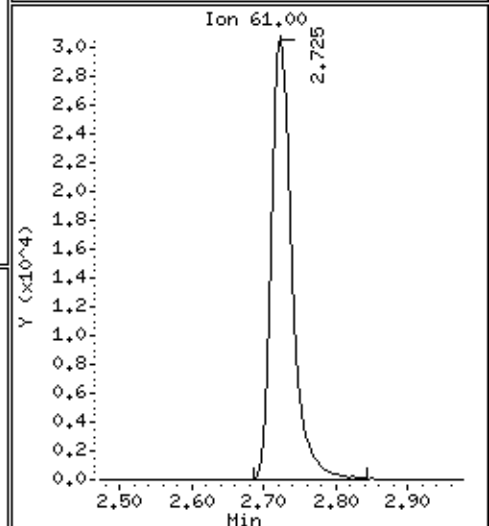
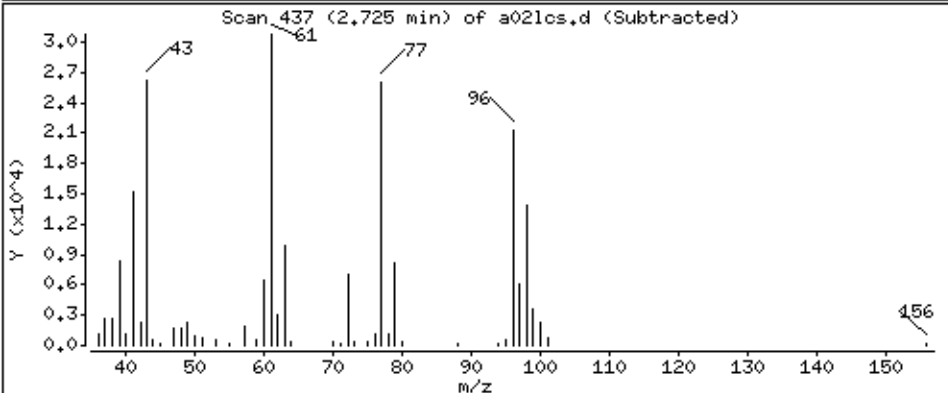
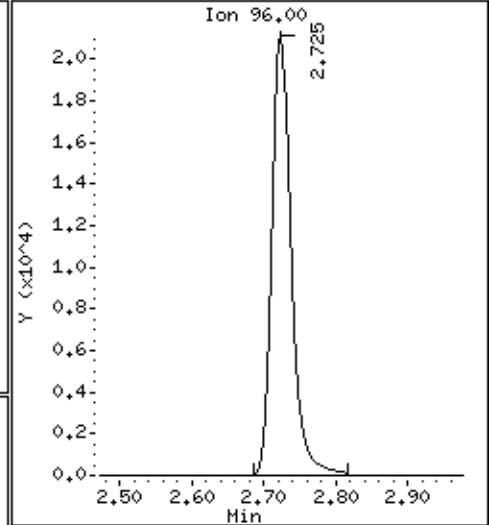
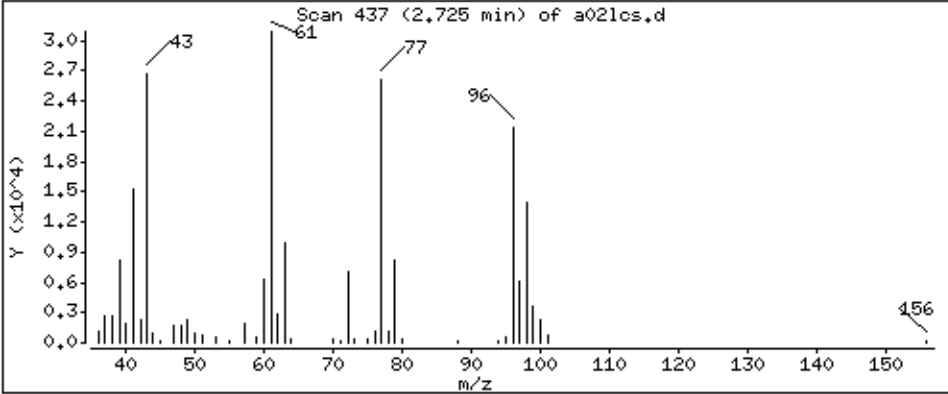
Operator: ala

Column phase: DB-624

Column diameter: 0,18

26 1,2-Dichloroethene (cis)

Concentration: 46,8 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

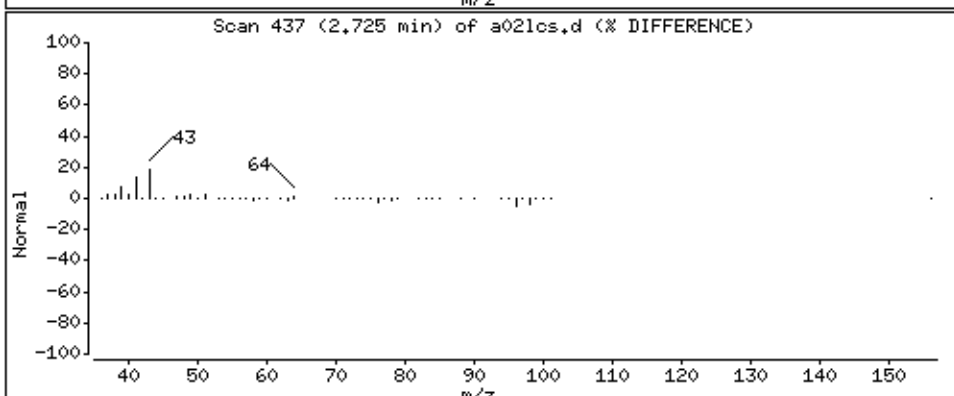
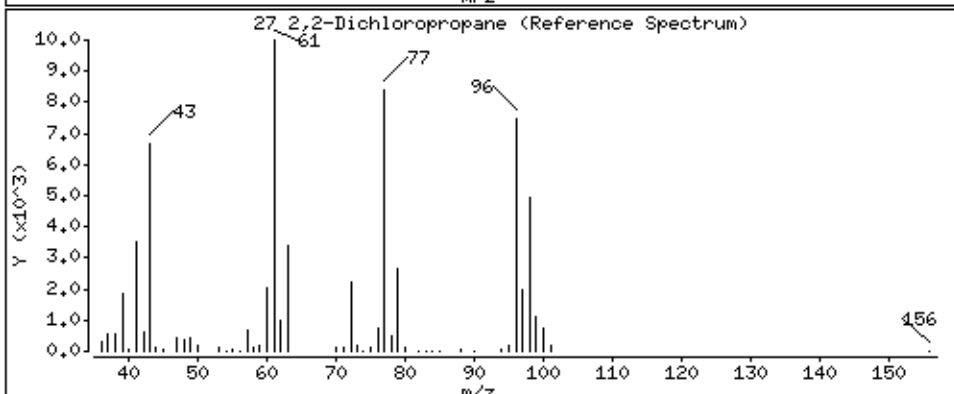
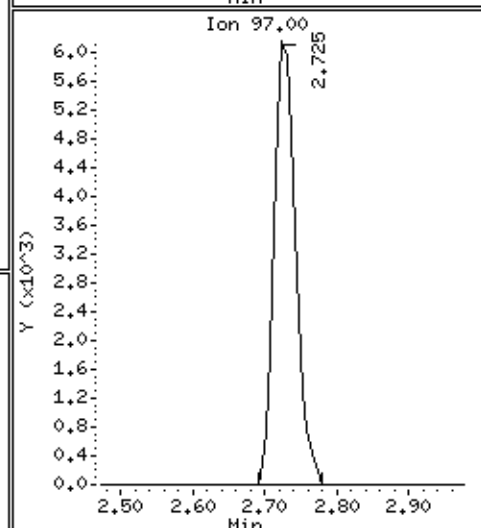
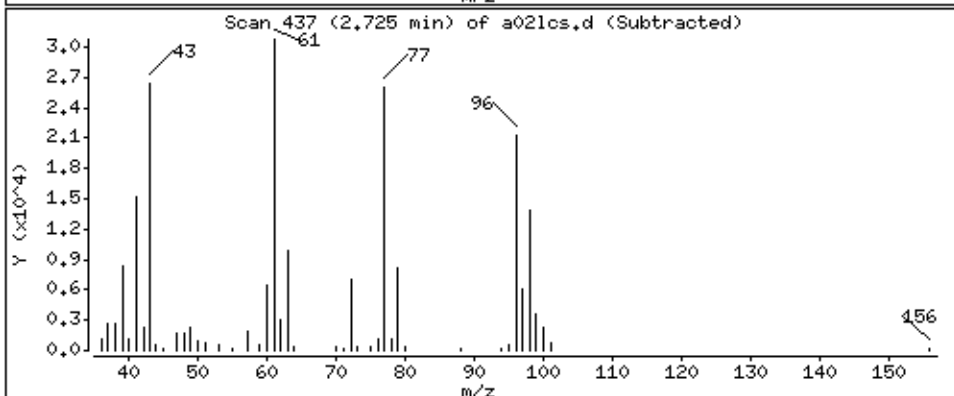
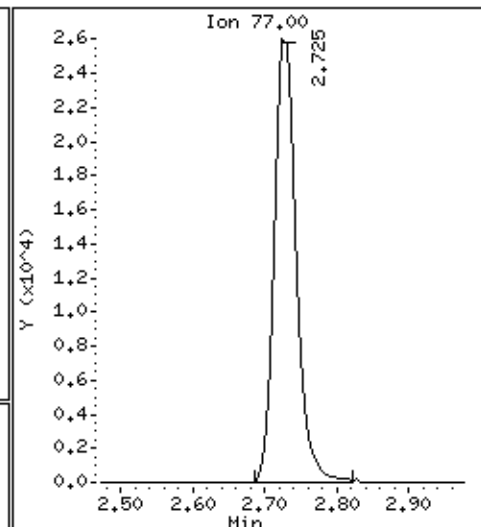
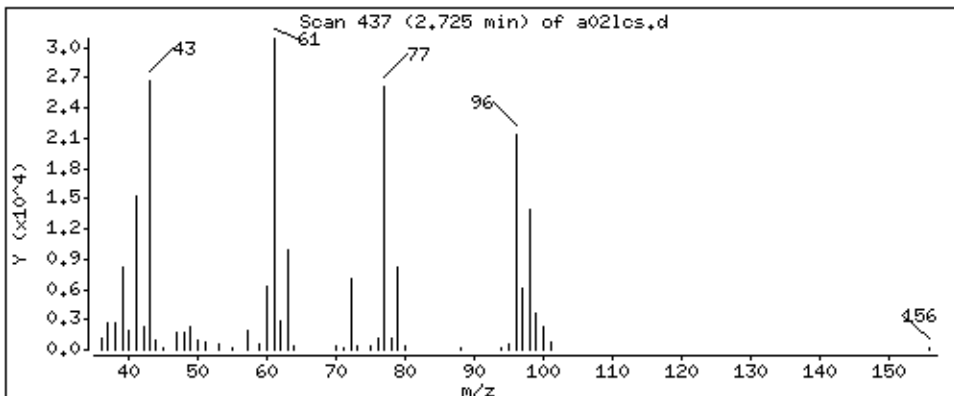
Operator: ala

Column phase: DB-624

Column diameter: 0,18

27 2,2-Dichloropropane

Concentration: 48,9 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

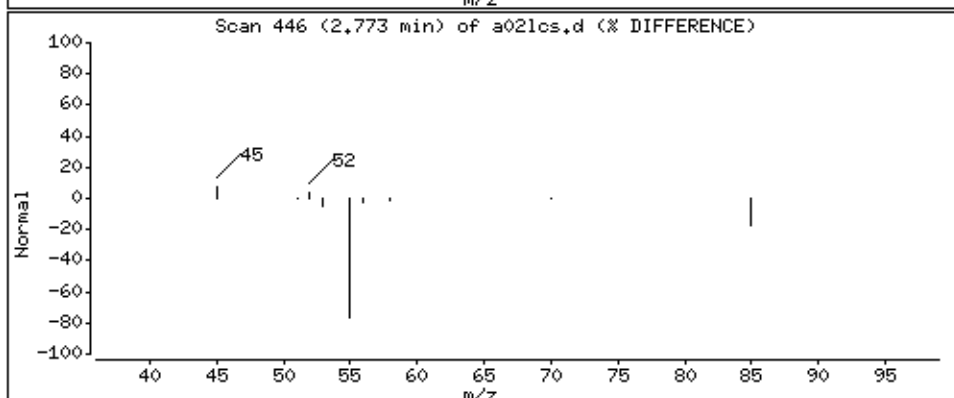
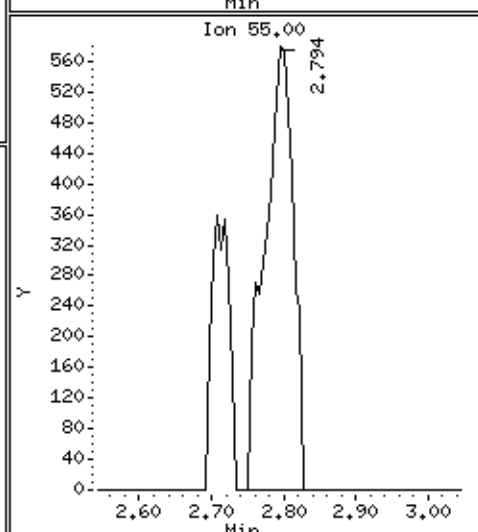
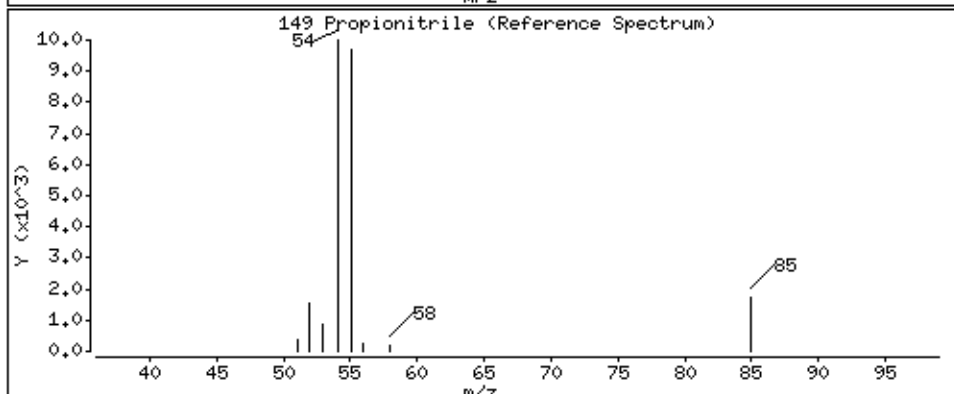
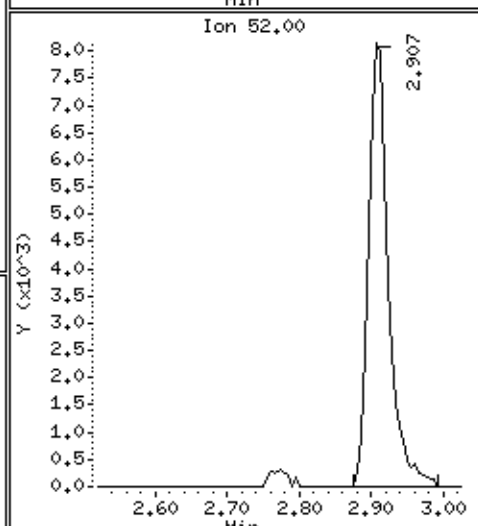
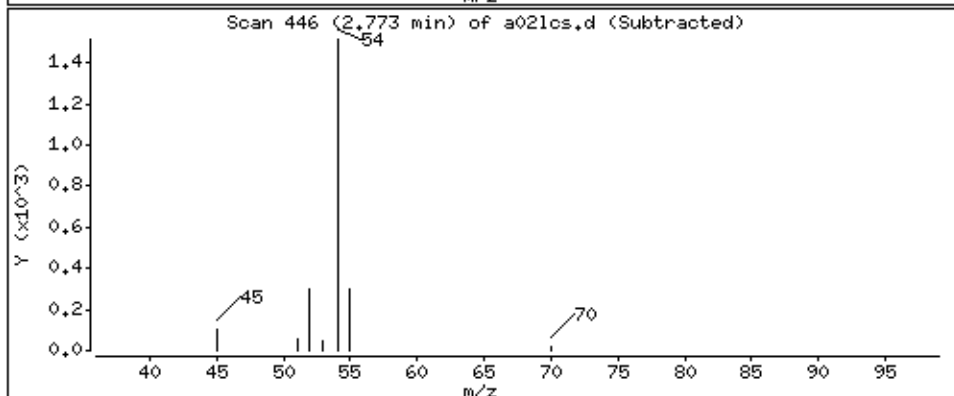
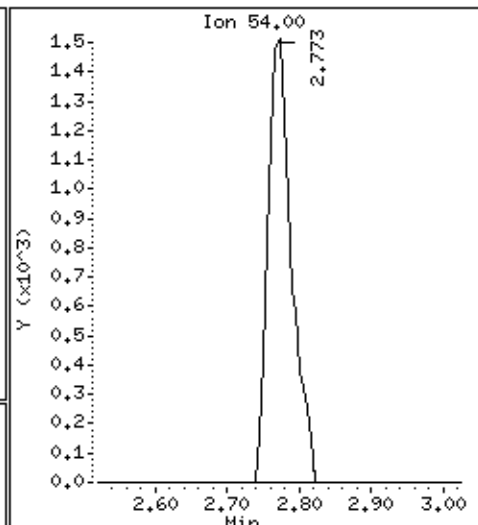
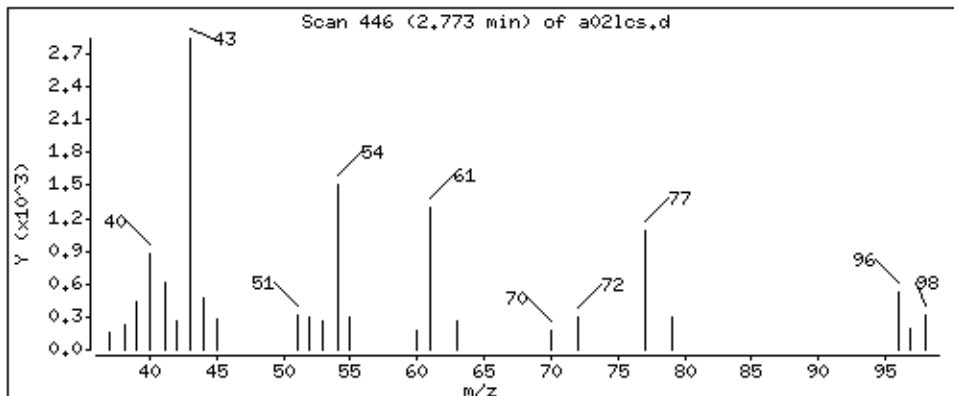
Operator: ala

Column phase: DB-624

Column diameter: 0,18

149 Propionitrile

Concentration: 36,5 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

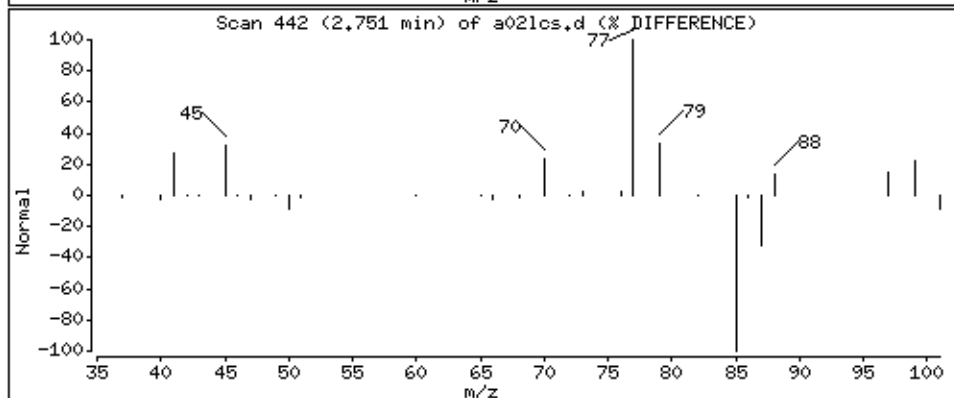
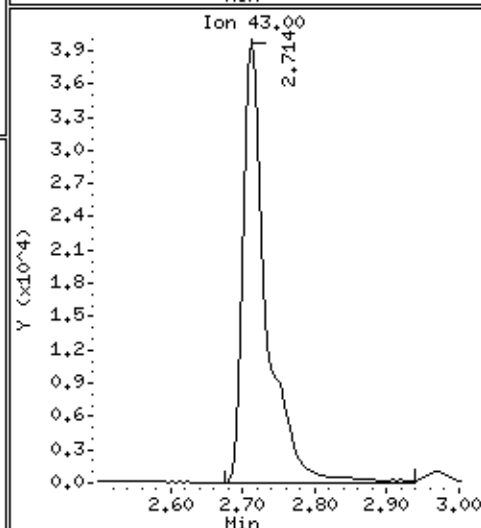
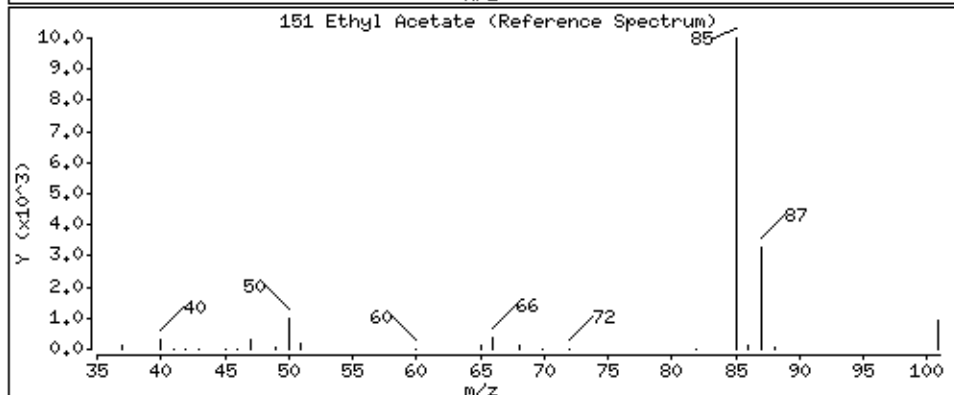
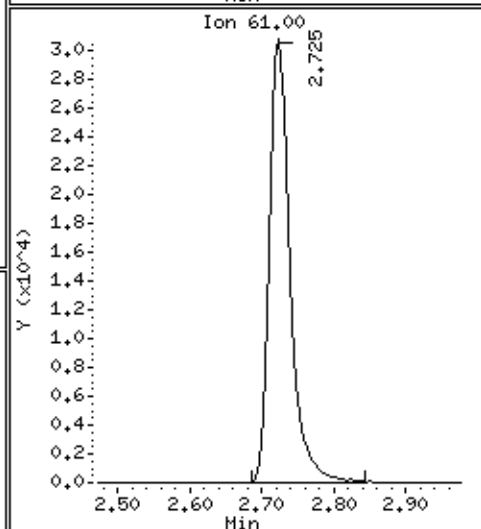
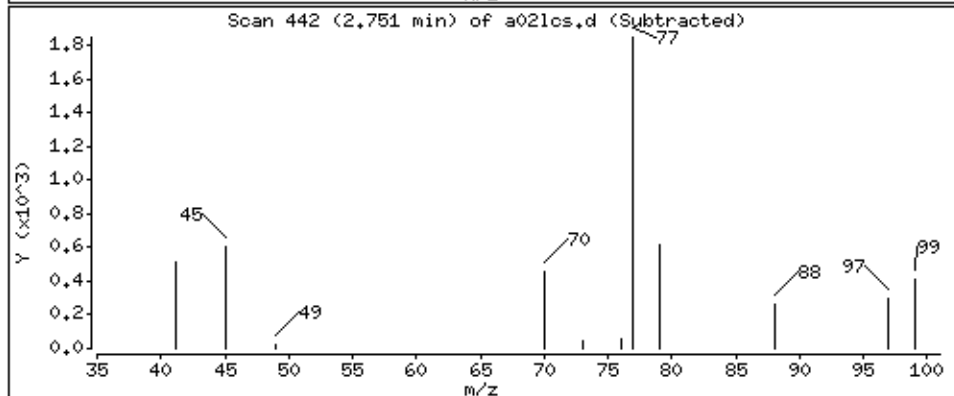
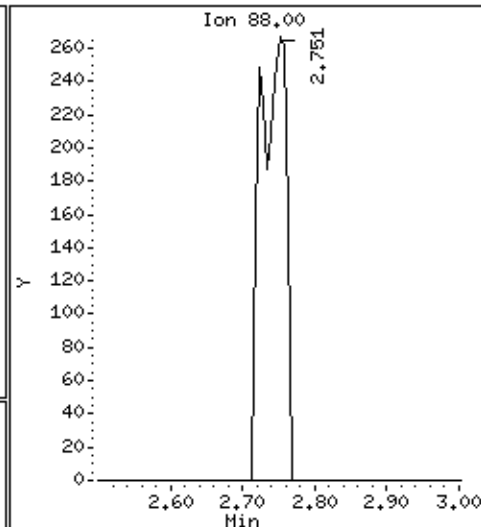
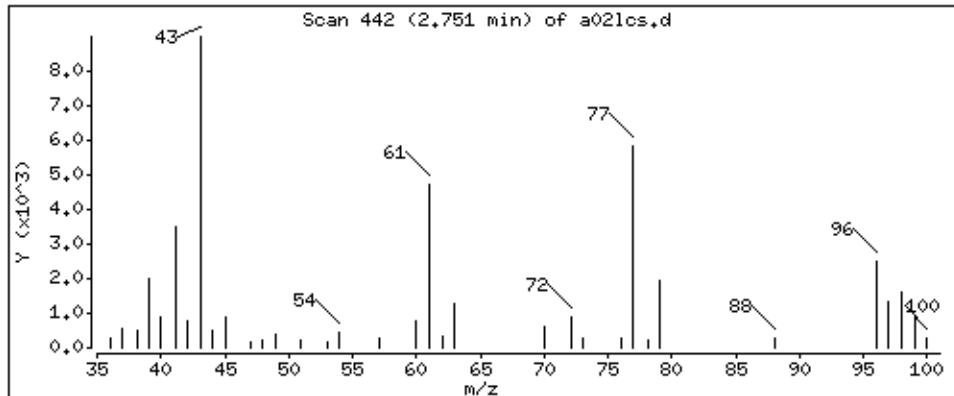
Operator: ala

Column phase: DB-624

Column diameter: 0,18

151 Ethyl Acetate

Concentration: 40,2 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730;5

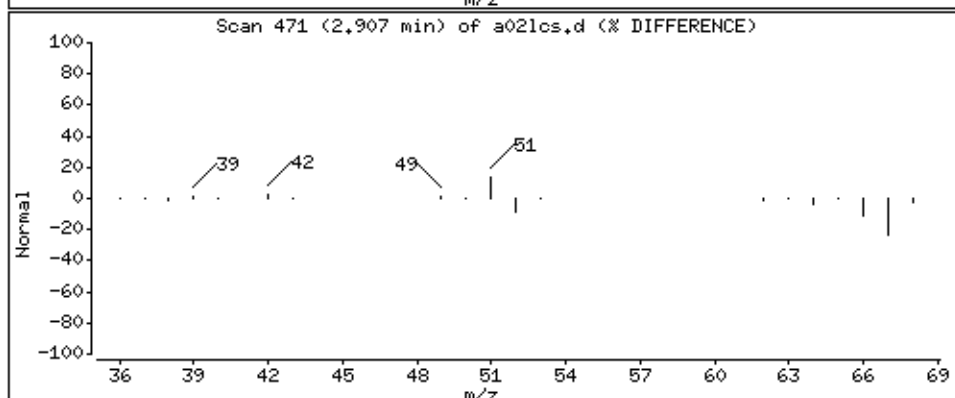
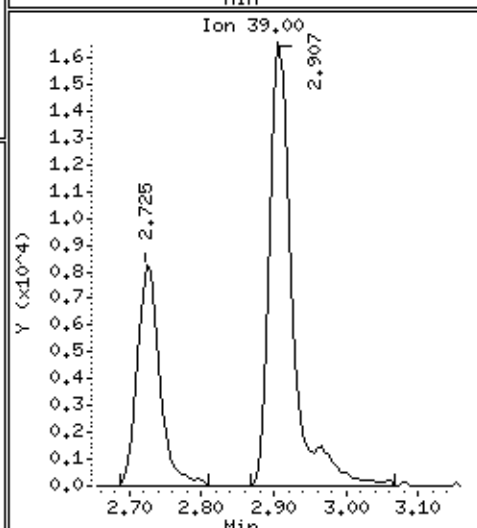
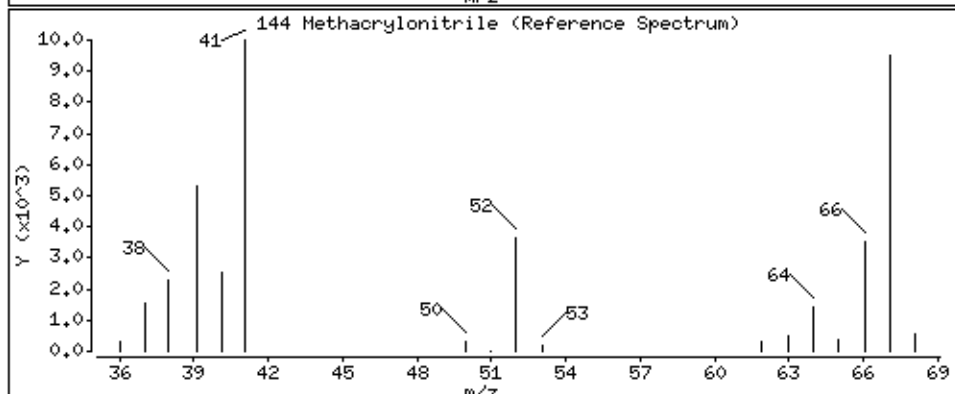
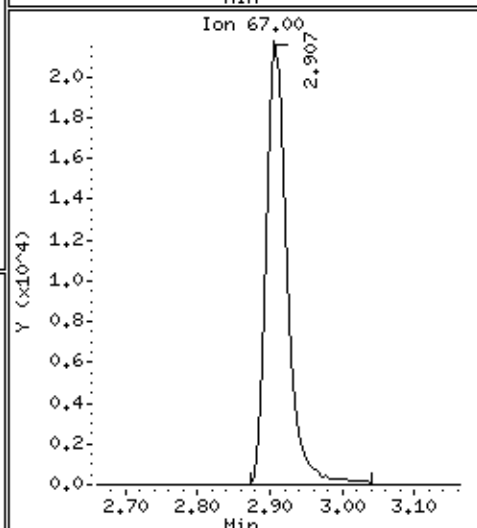
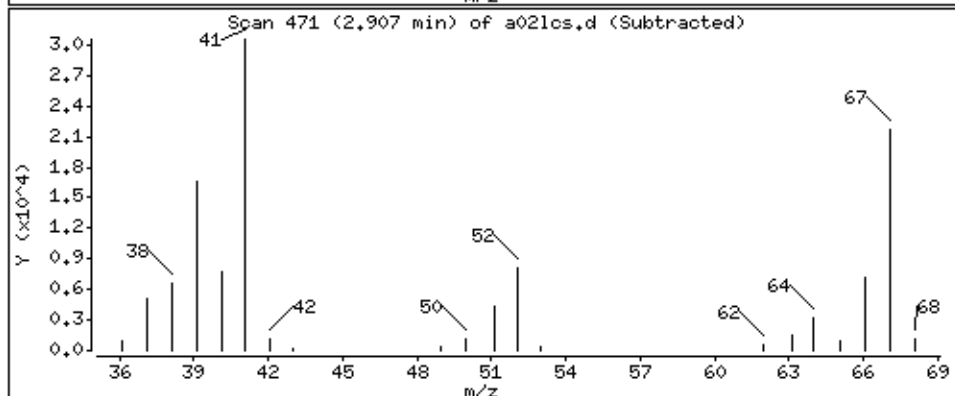
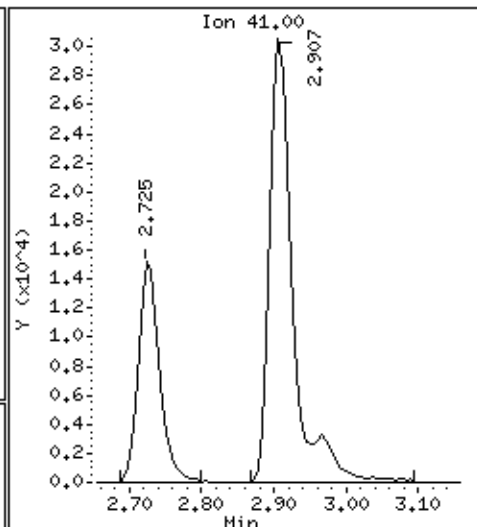
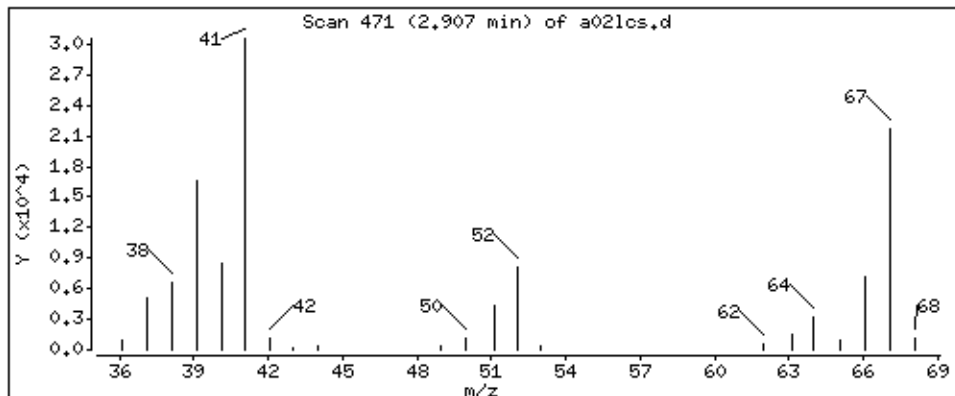
Operator: ala

Column phase: DB-624

Column diameter: 0,18

144 Methacrylonitrile

Concentration: 226 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

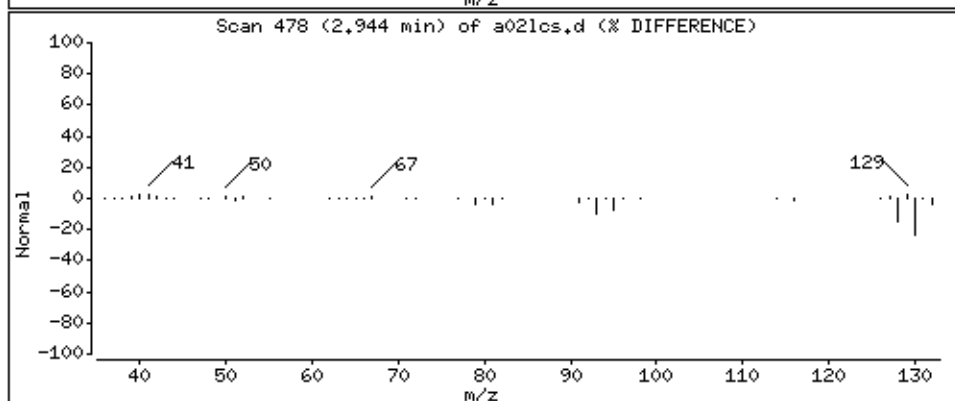
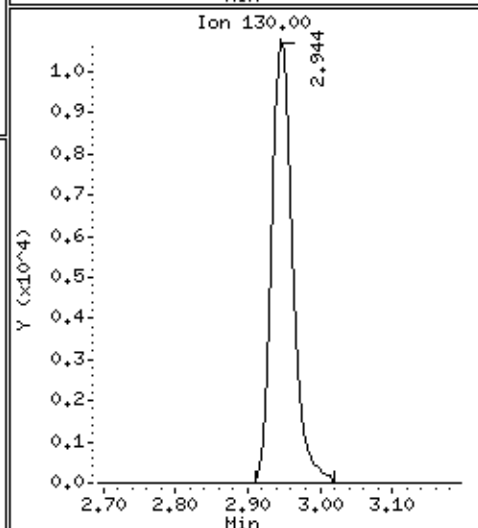
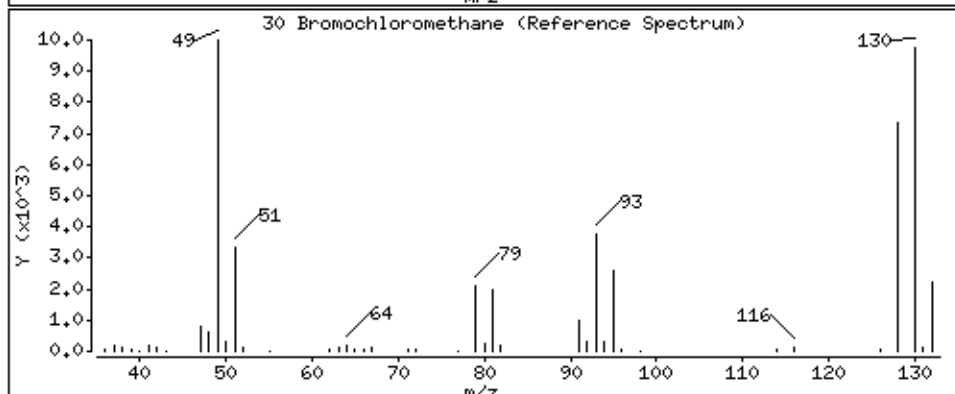
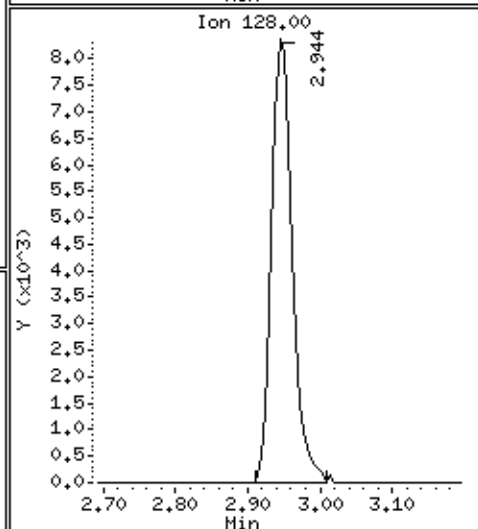
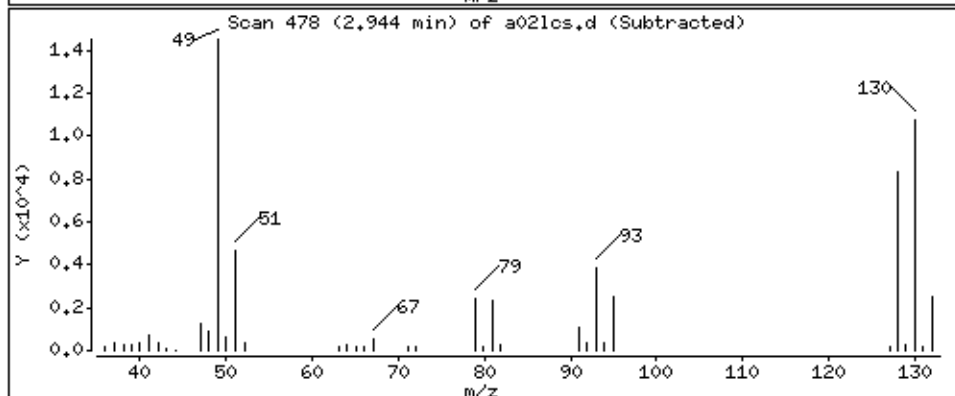
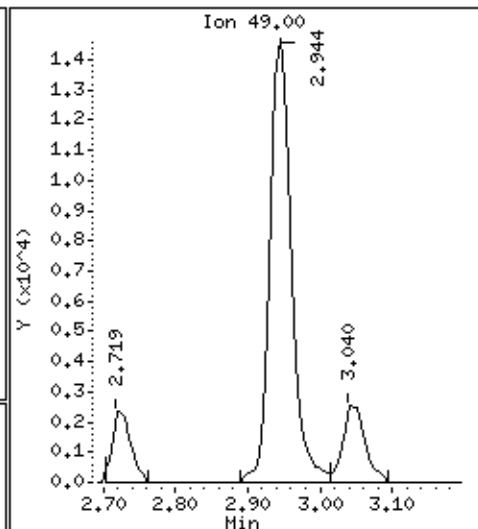
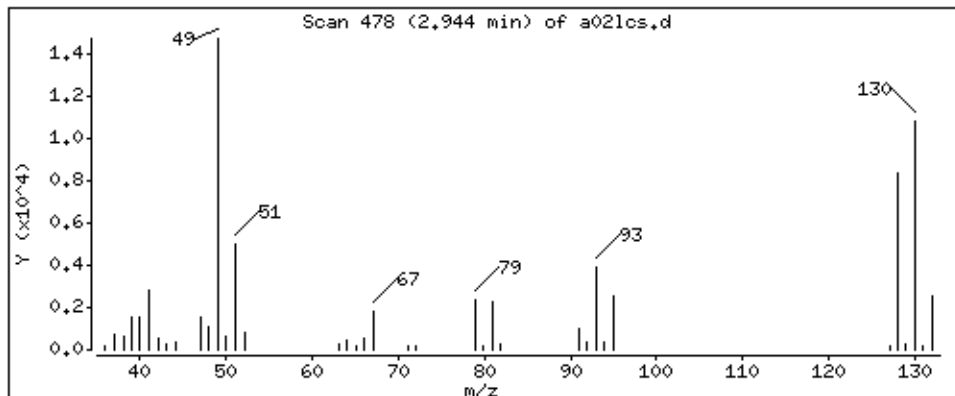
Operator: ala

Column phase: DB-624

Column diameter: 0,18

30 Bromochloromethane

Concentration: 51.4 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

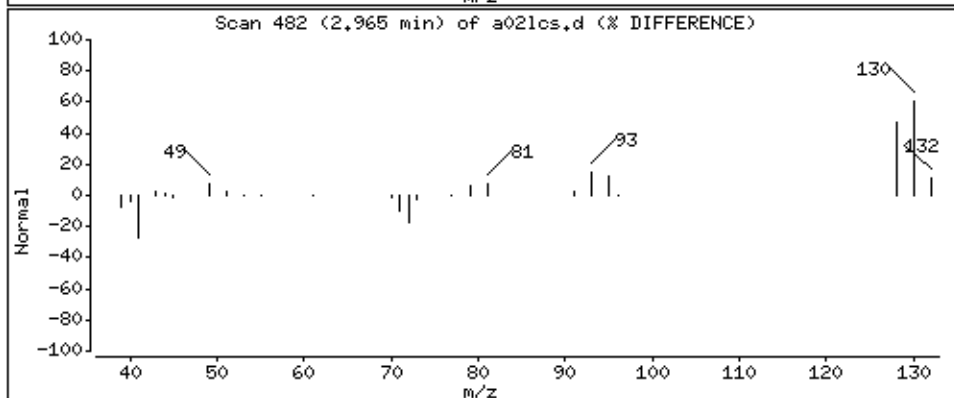
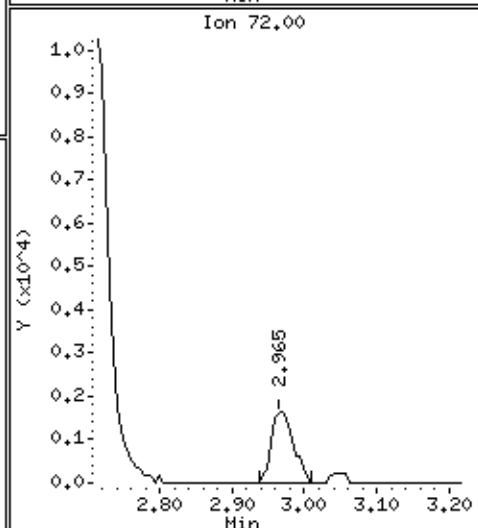
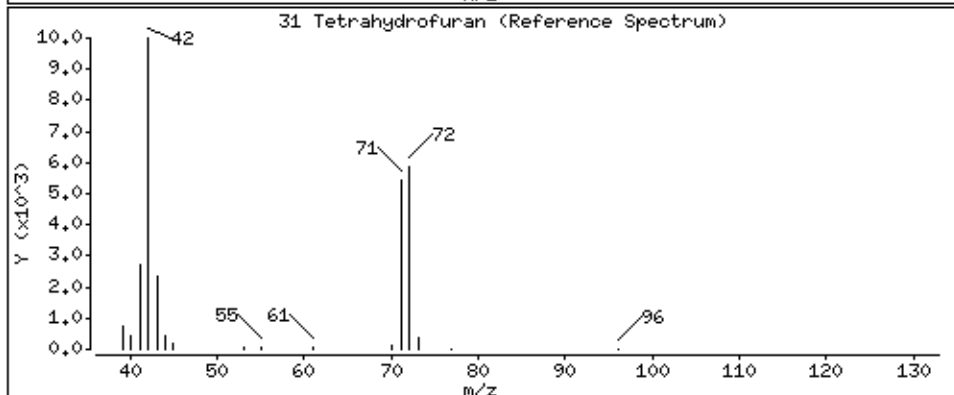
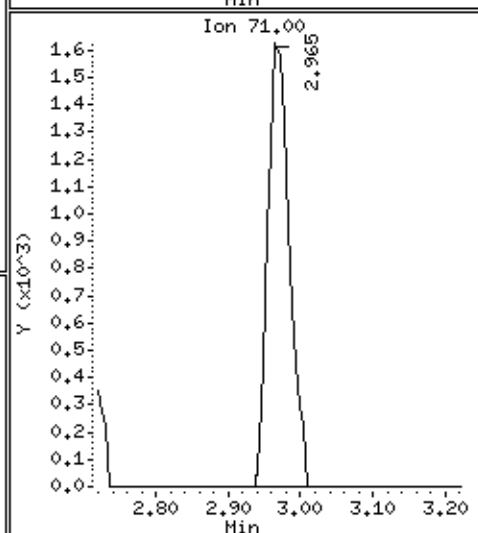
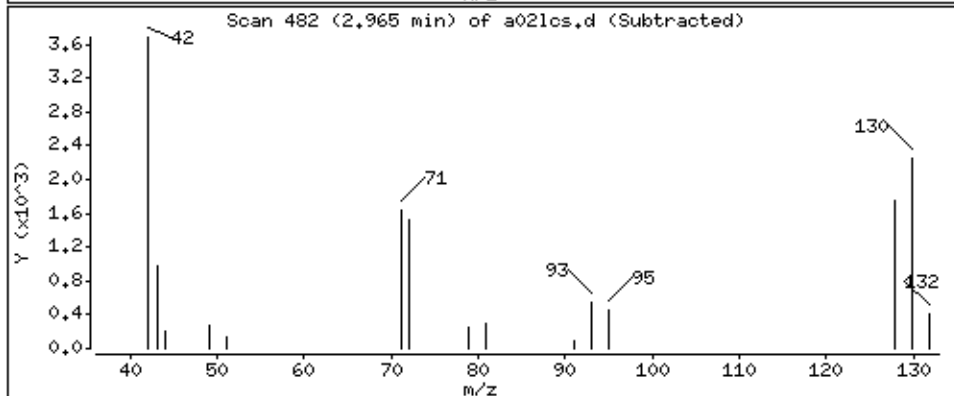
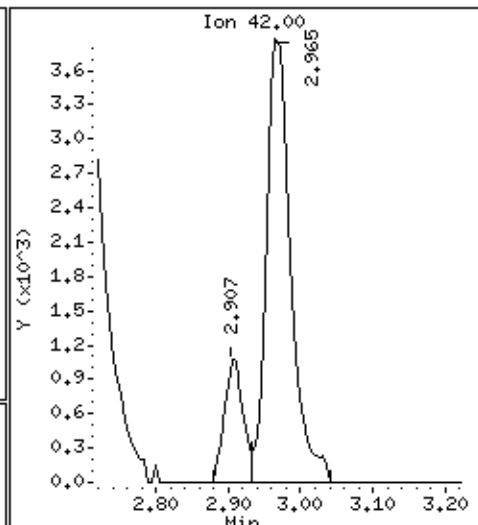
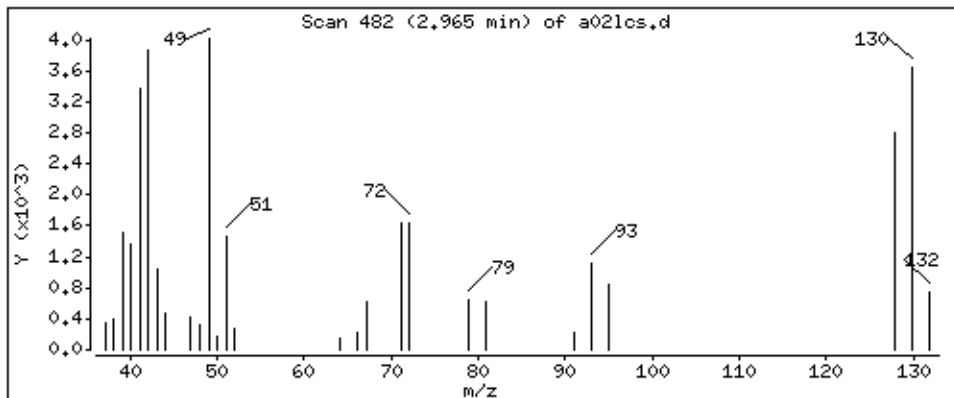
Operator: ala

Column phase: DB-624

Column diameter: 0,18

31 Tetrahydrofuran

Concentration: 46,6 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

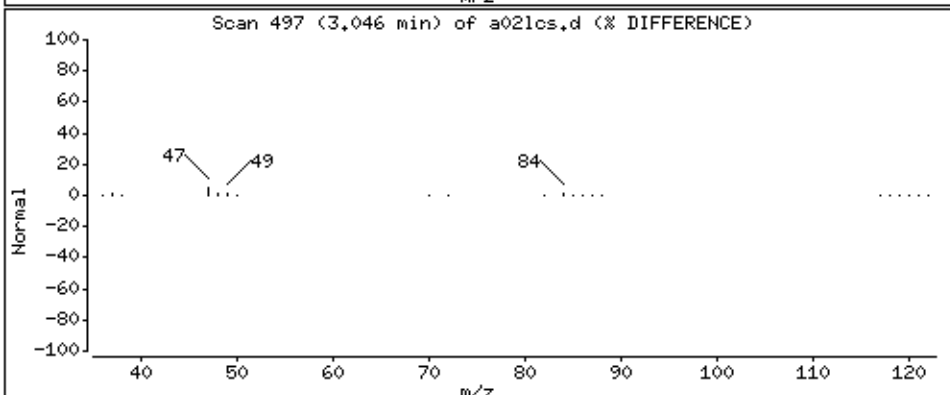
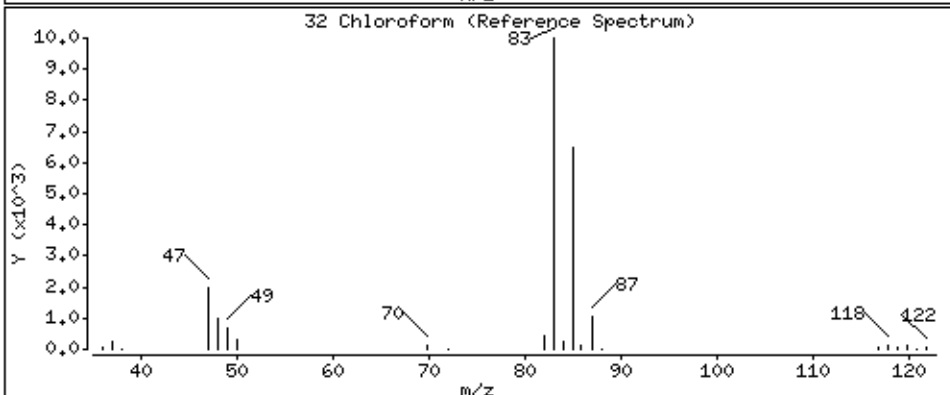
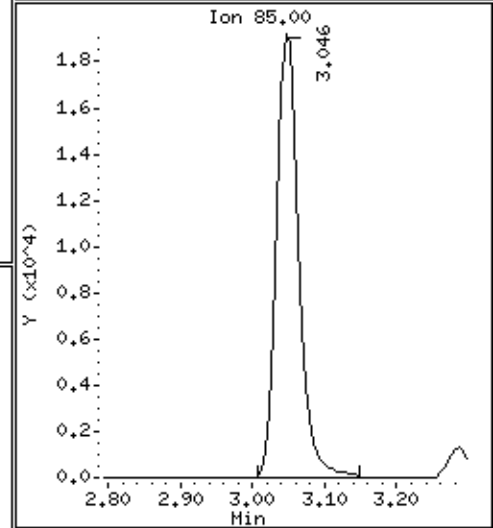
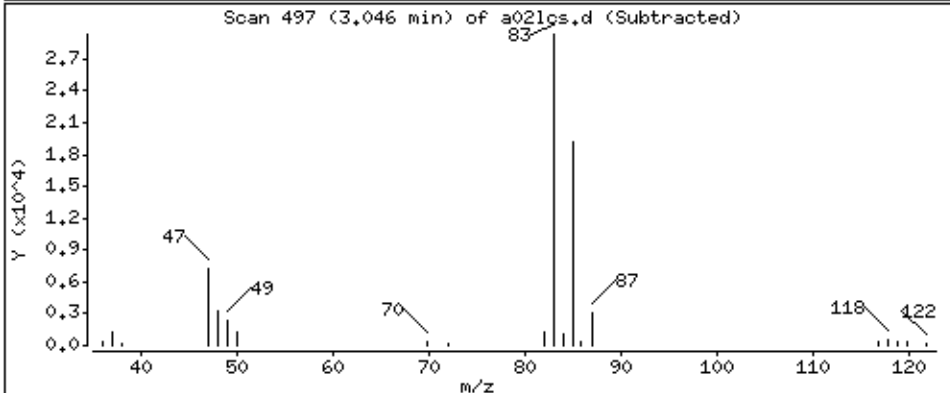
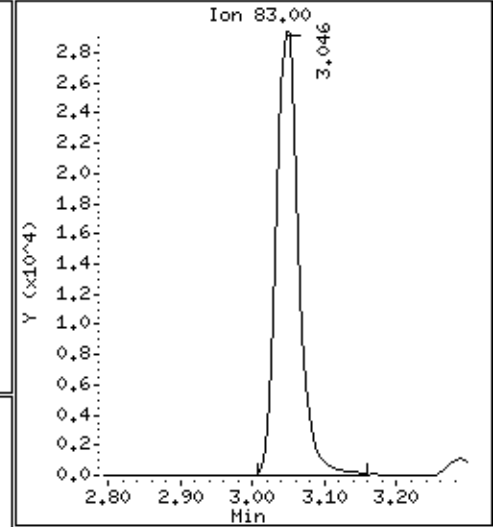
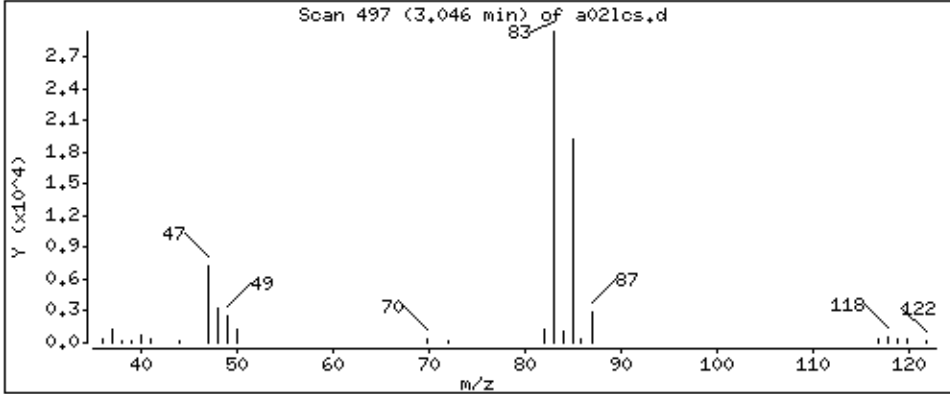
Operator: ala

Column phase: DB-624

Column diameter: 0,18

32 Chloroform

Concentration: 43,1 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

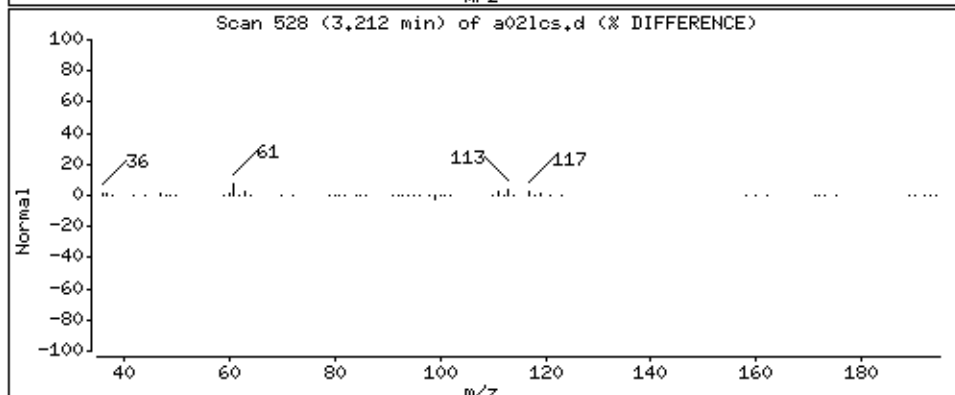
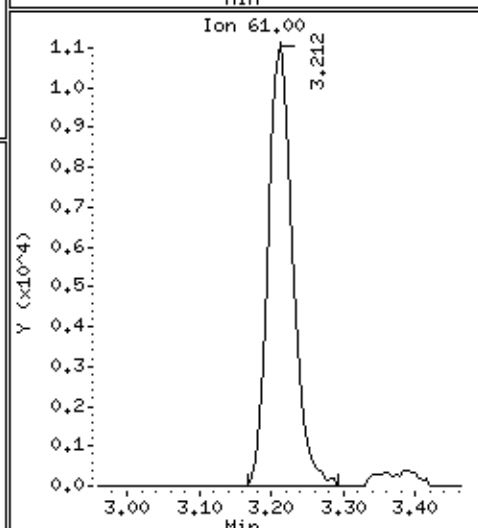
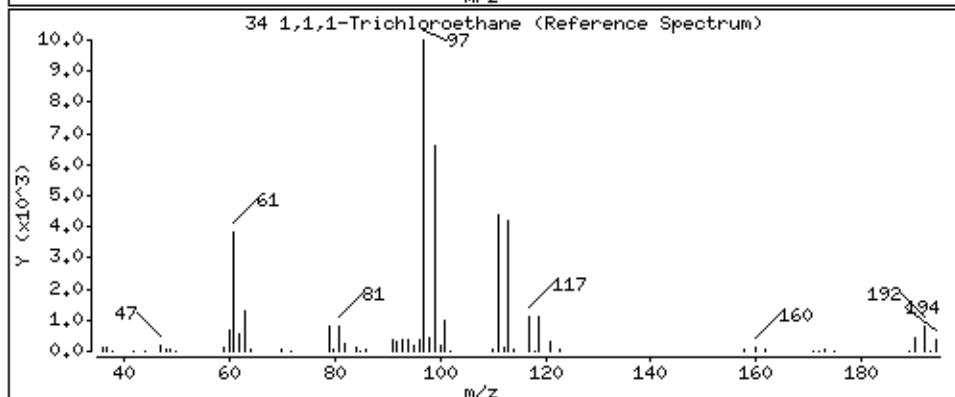
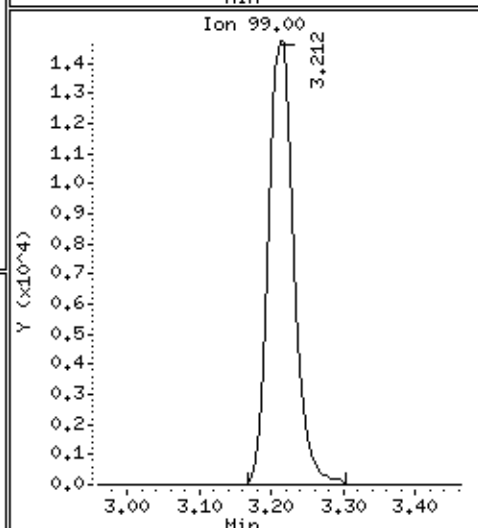
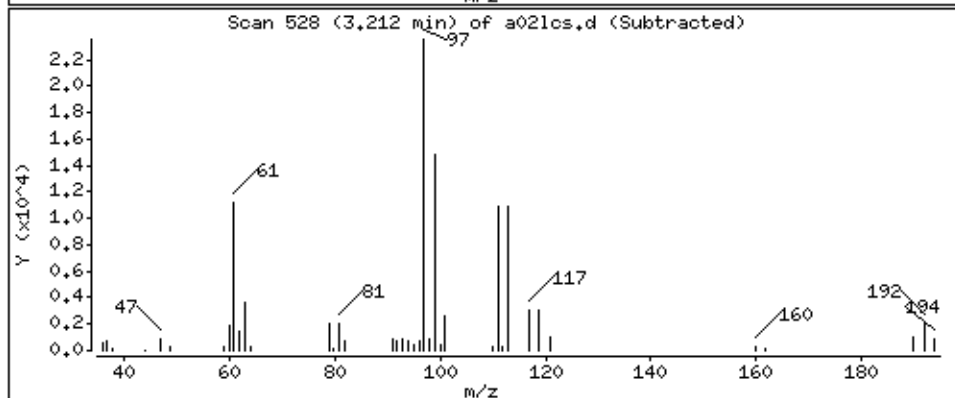
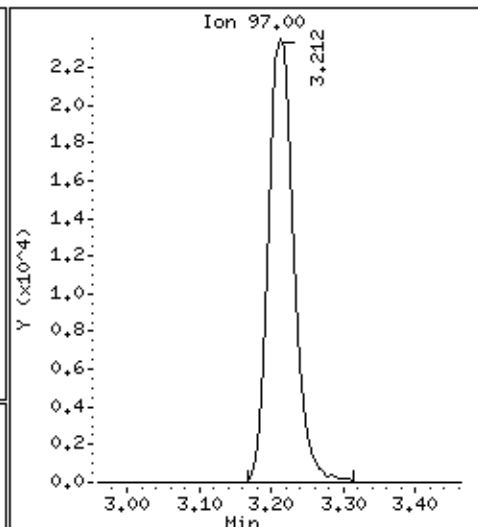
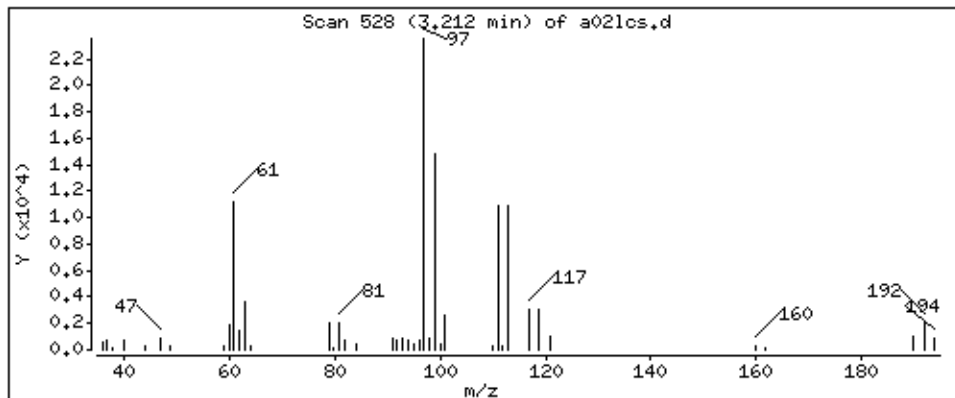
Operator: ala

Column phase: DB-624

Column diameter: 0,18

34 1,1,1-Trichloroethane

Concentration: 48,0 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730;5

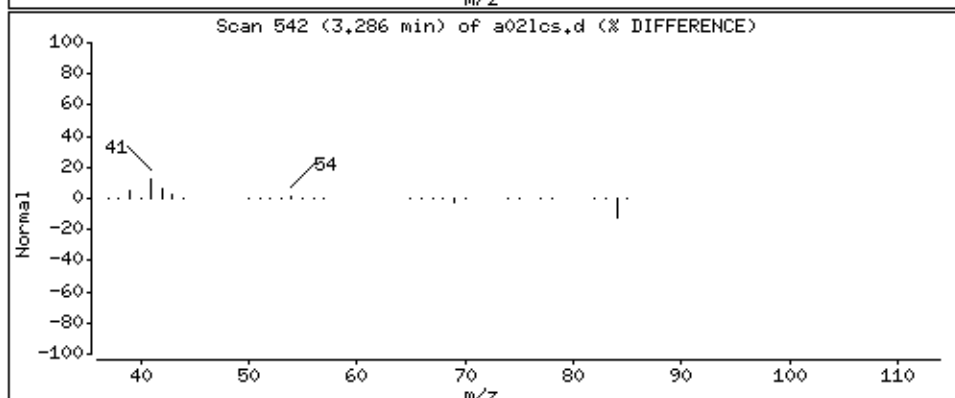
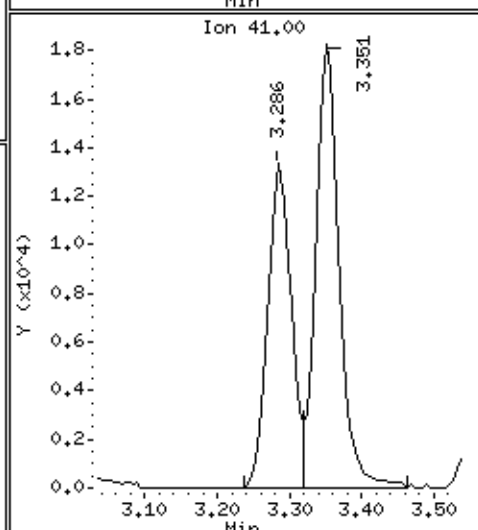
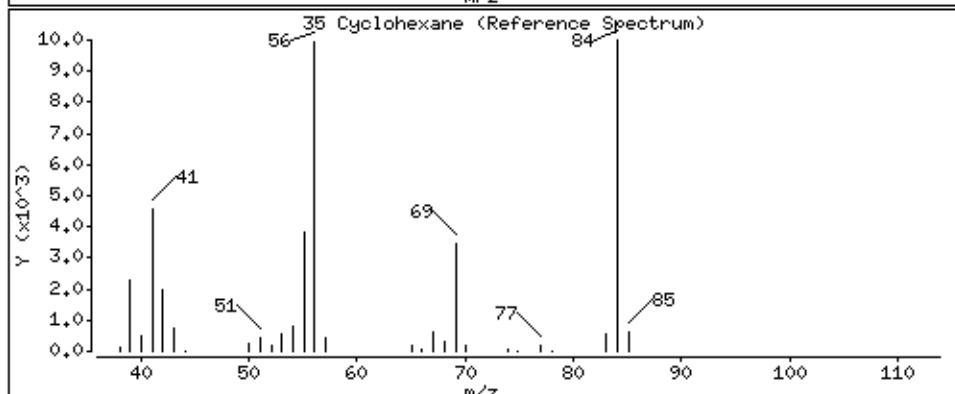
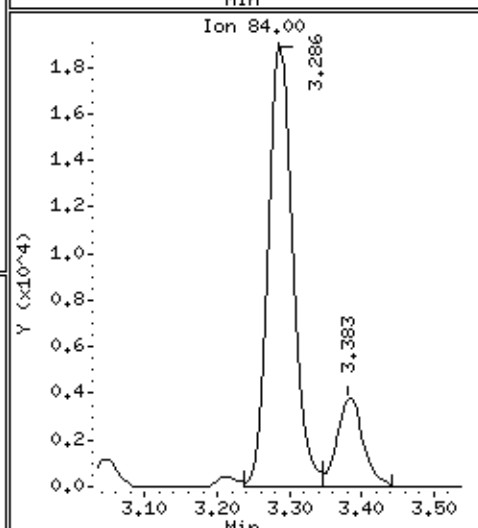
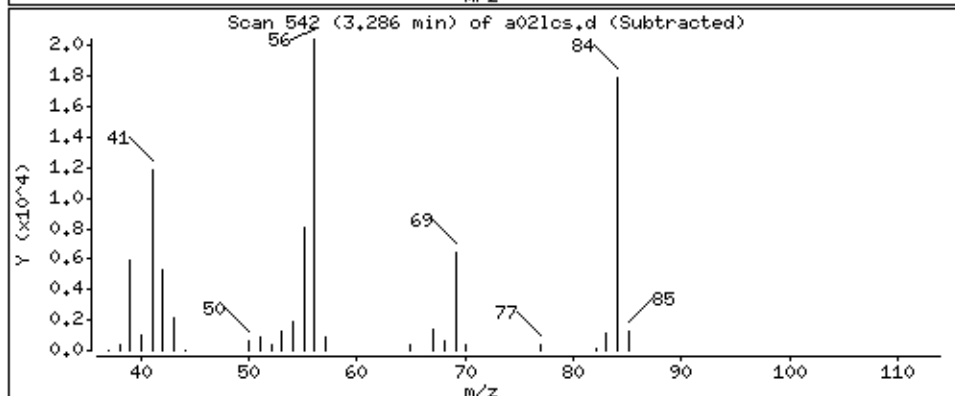
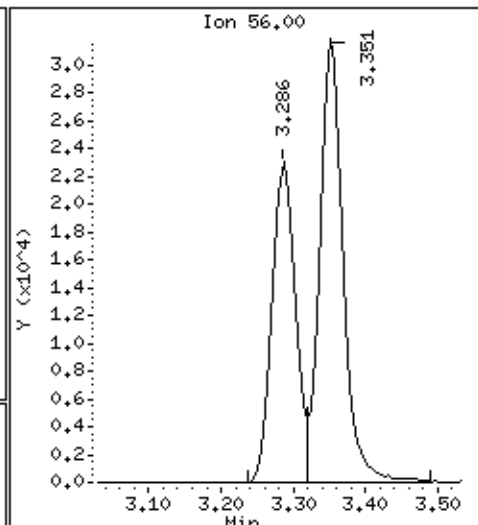
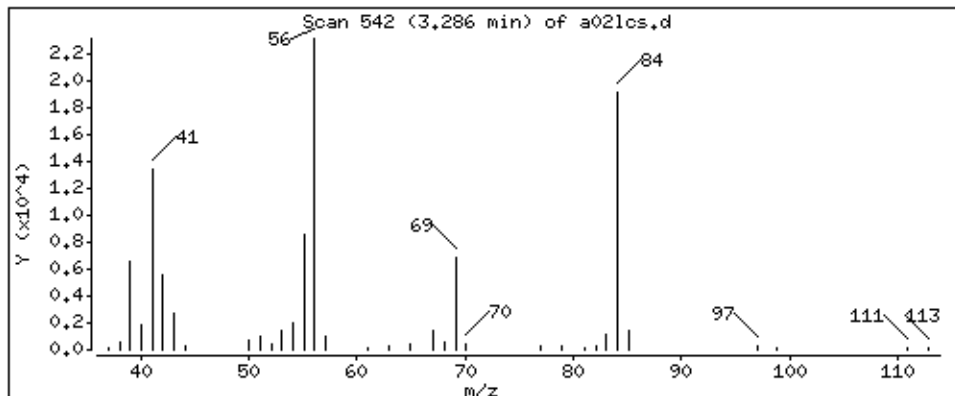
Operator: ala

Column phase: DB-624

Column diameter: 0,18

35 Cyclohexane

Concentration: 42,5 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730;5

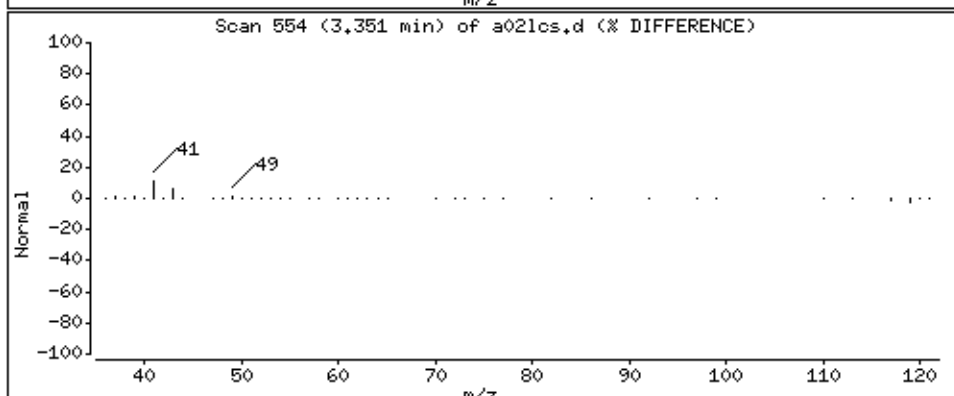
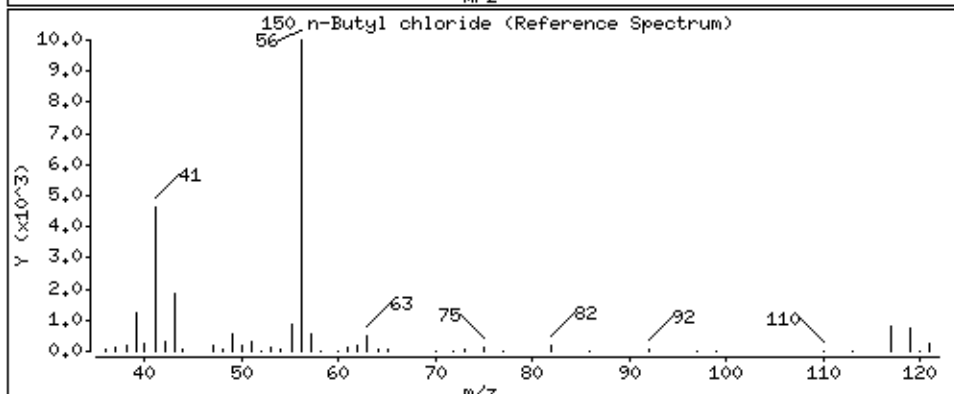
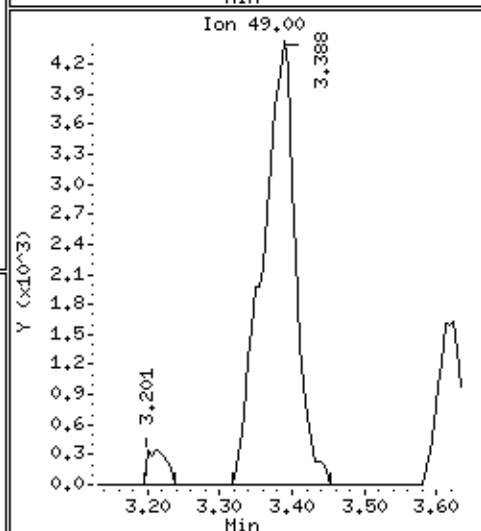
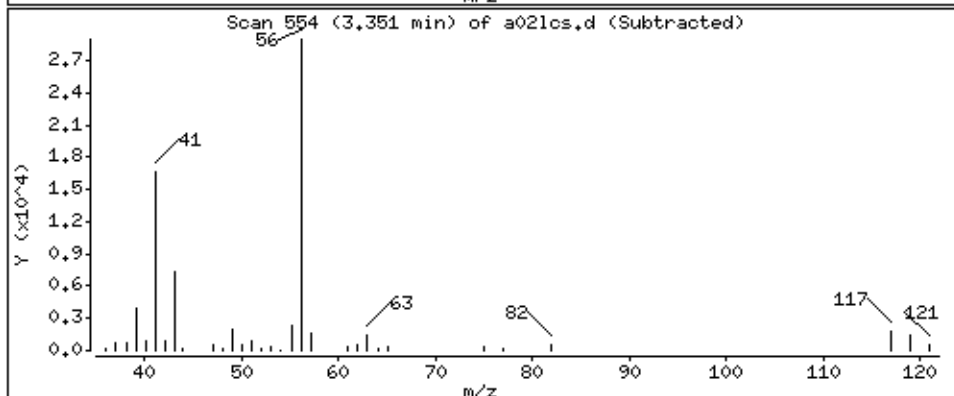
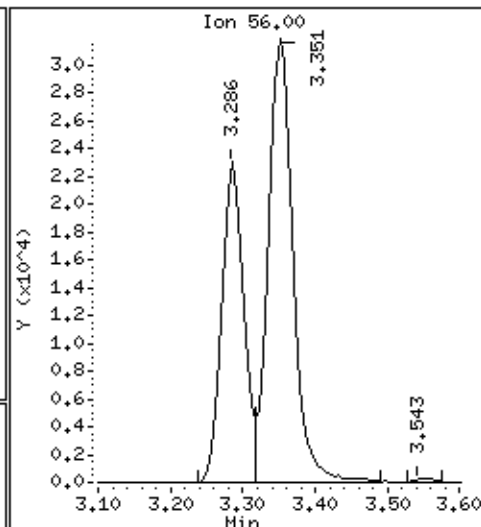
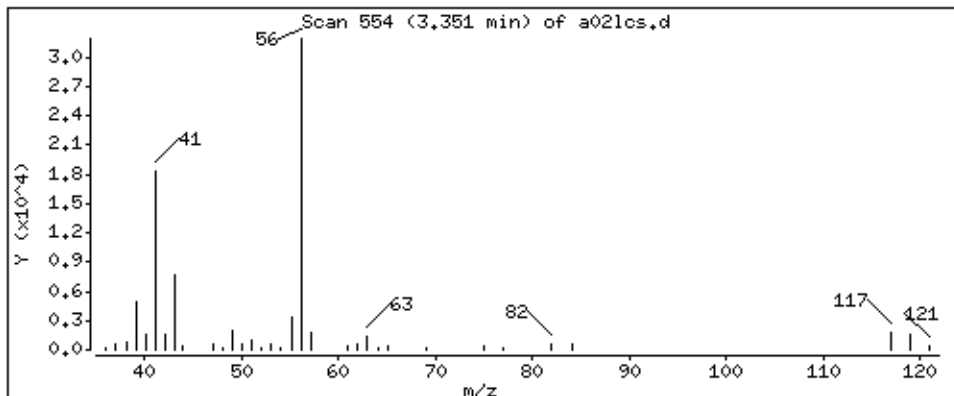
Operator: ala

Column phase: DB-624

Column diameter: 0,18

150 n-Butyl chloride

Concentration: 52,6 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

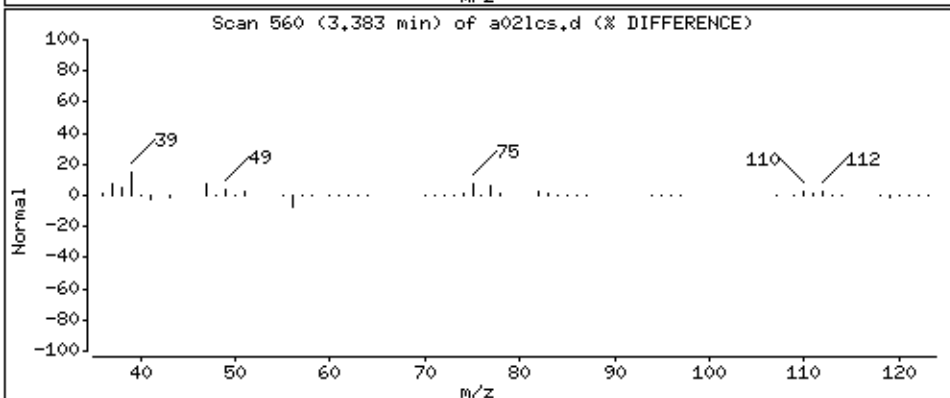
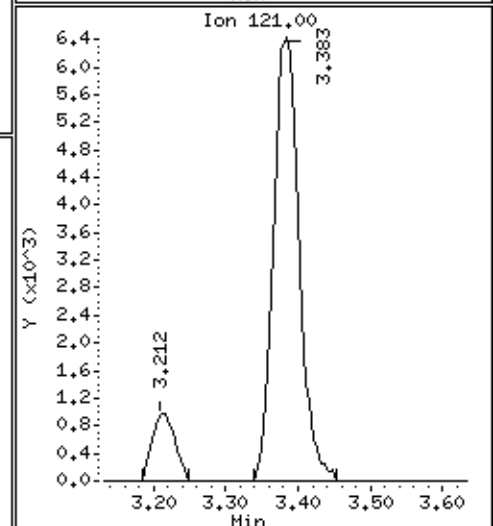
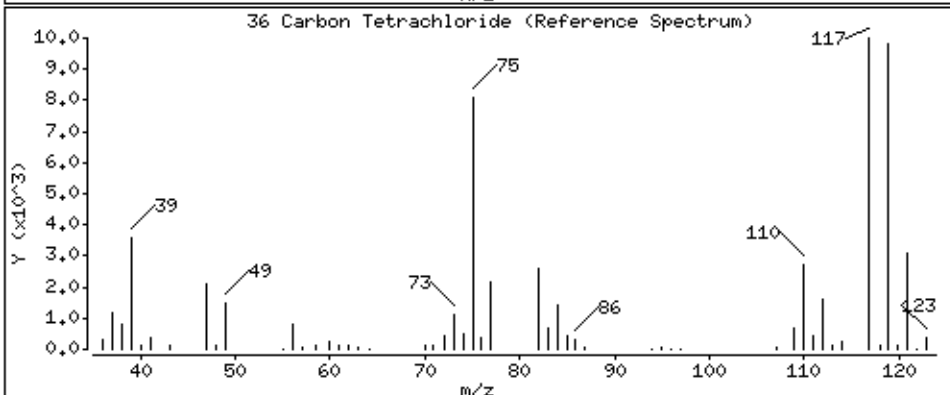
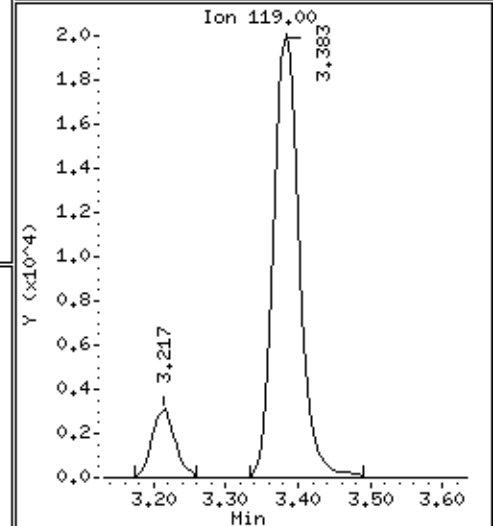
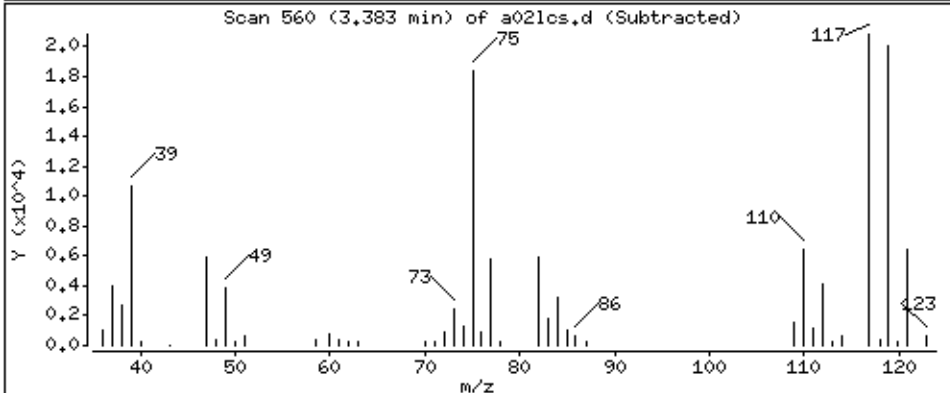
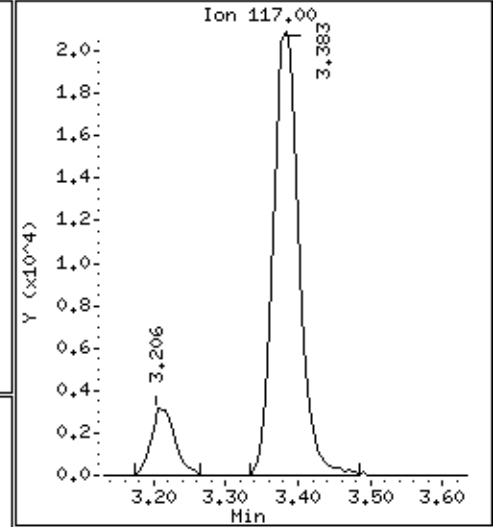
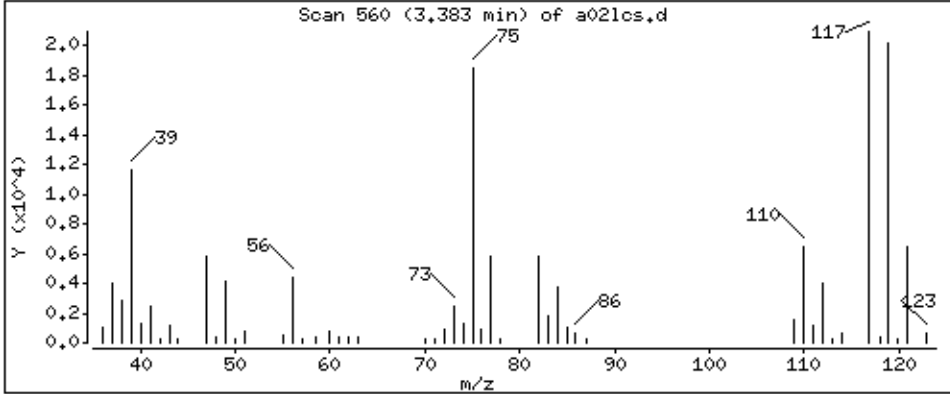
Operator: ala

Column phase: DB-624

Column diameter: 0,18

36 Carbon Tetrachloride

Concentration: 47,6 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730;5

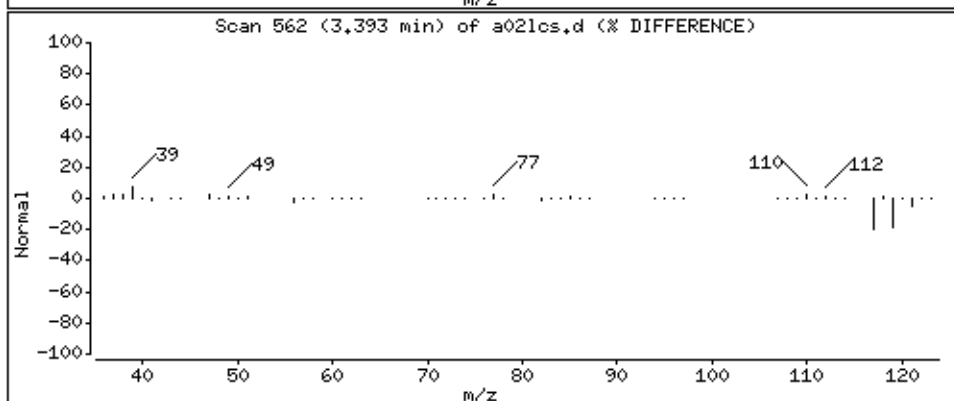
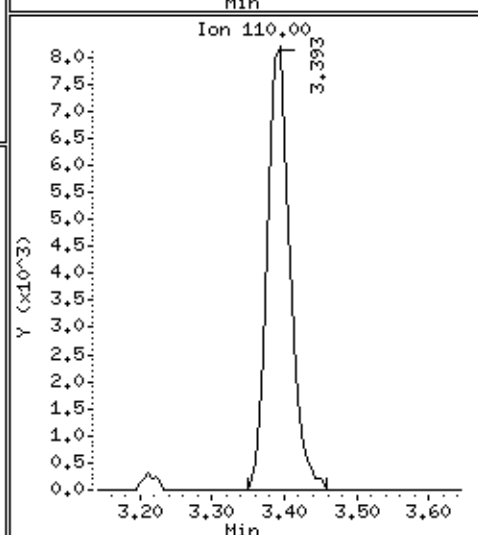
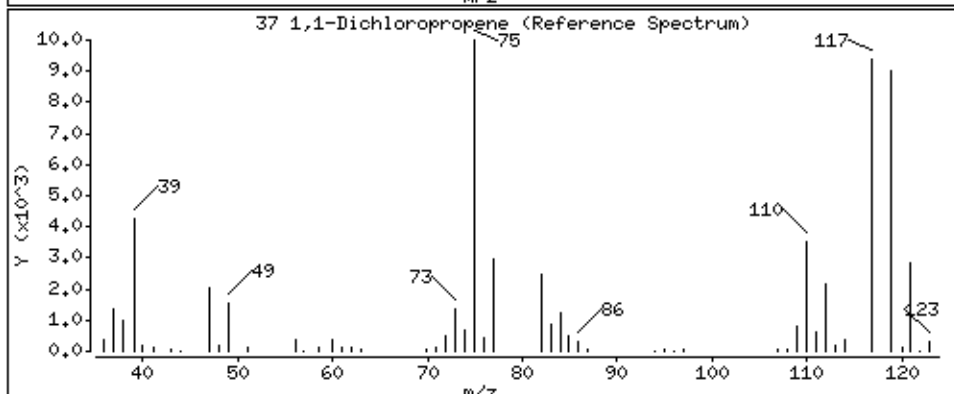
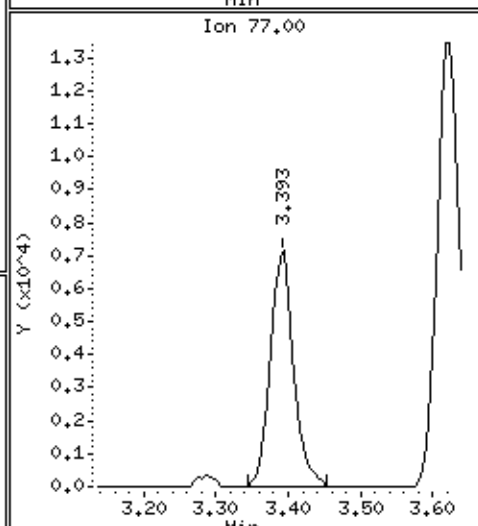
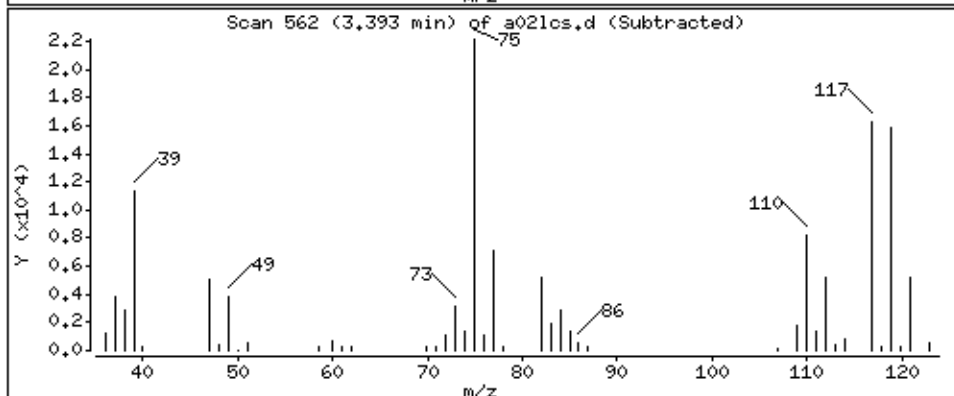
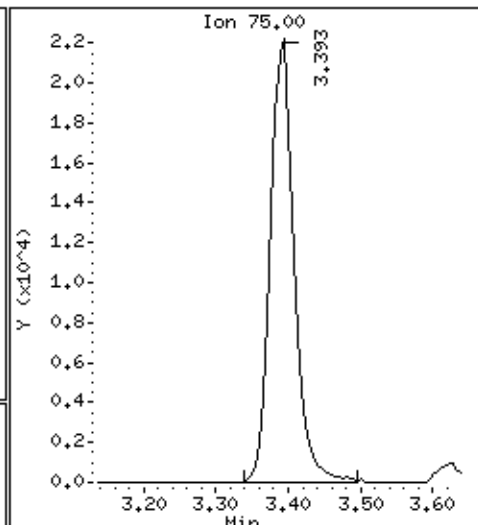
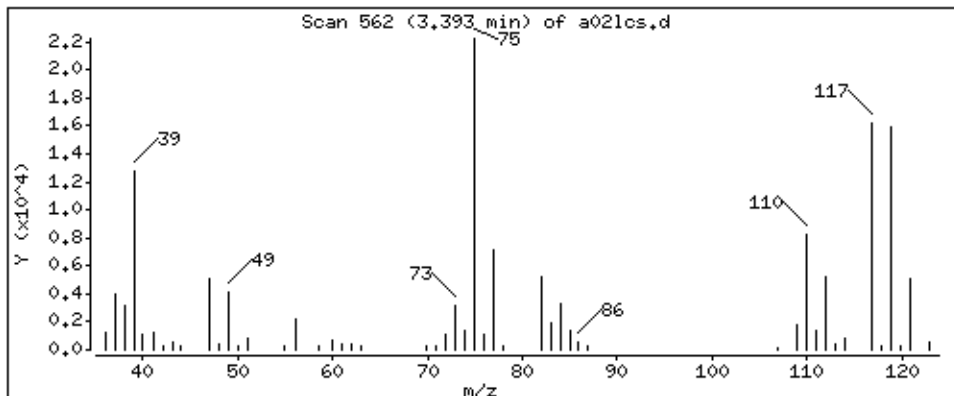
Operator: ala

Column phase: DB-624

Column diameter: 0,18

37 1,1-Dichloropropene

Concentration: 48,8 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

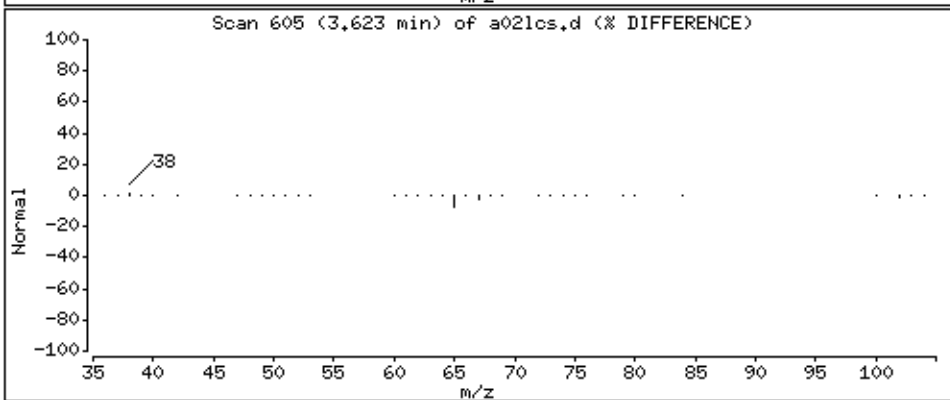
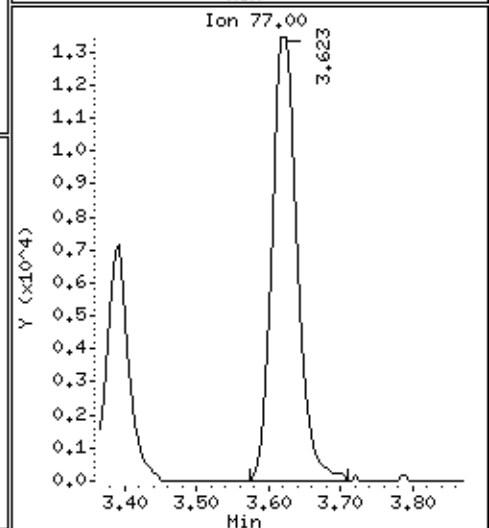
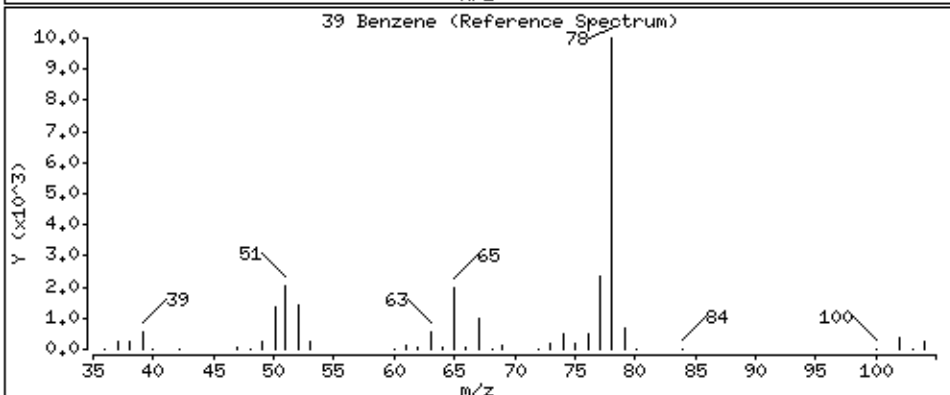
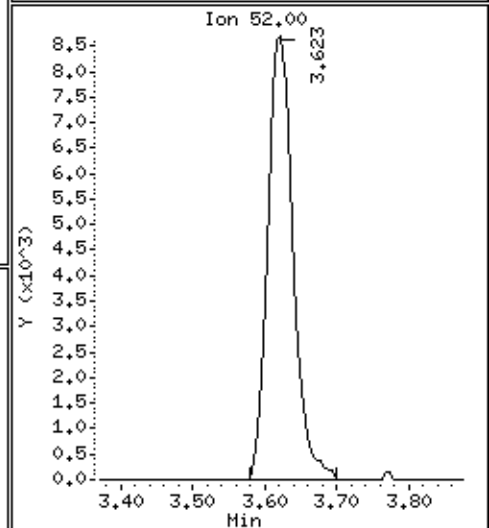
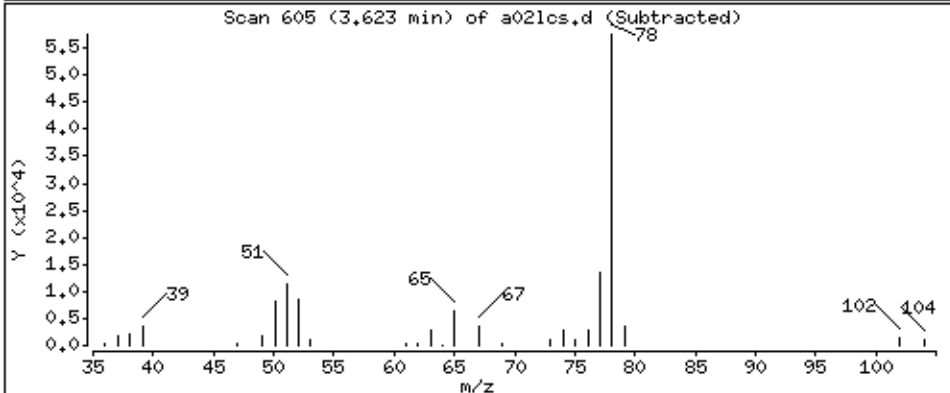
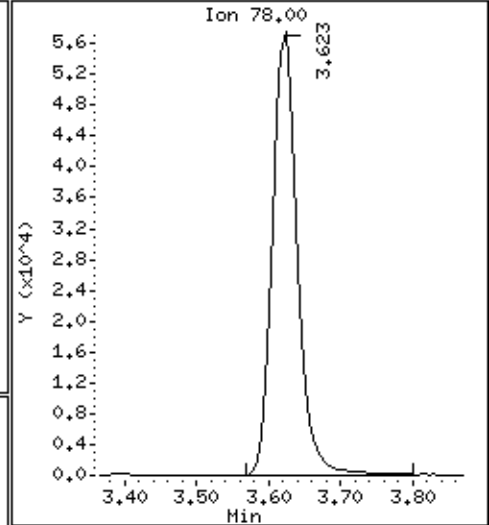
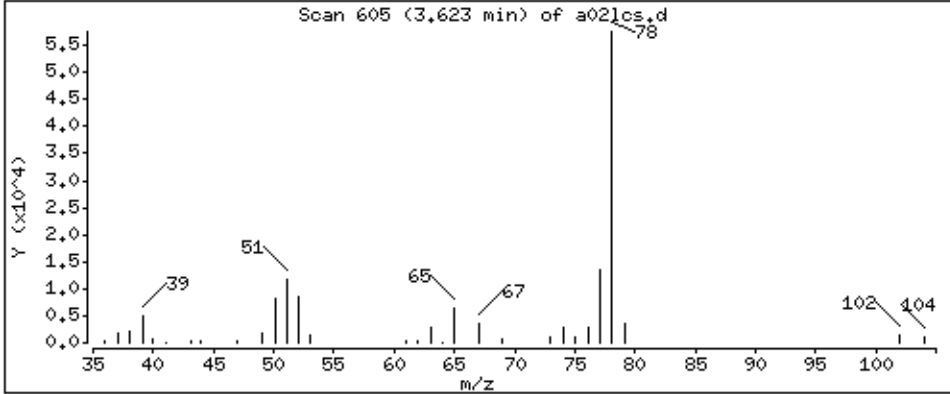
Operator: ala

Column phase: DB-624

Column diameter: 0,18

39 Benzene

Concentration: 48,0 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

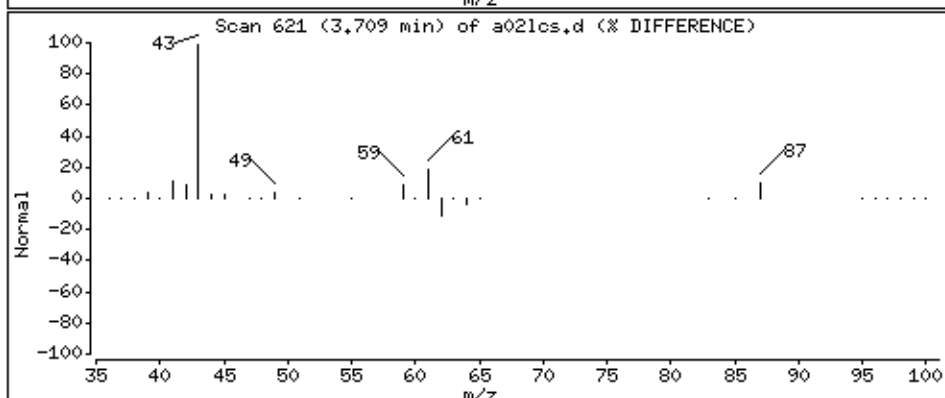
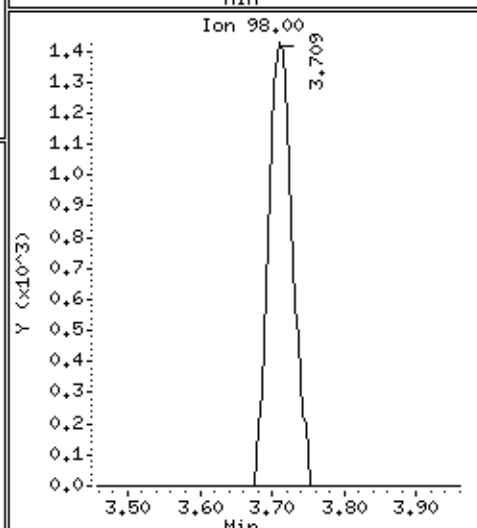
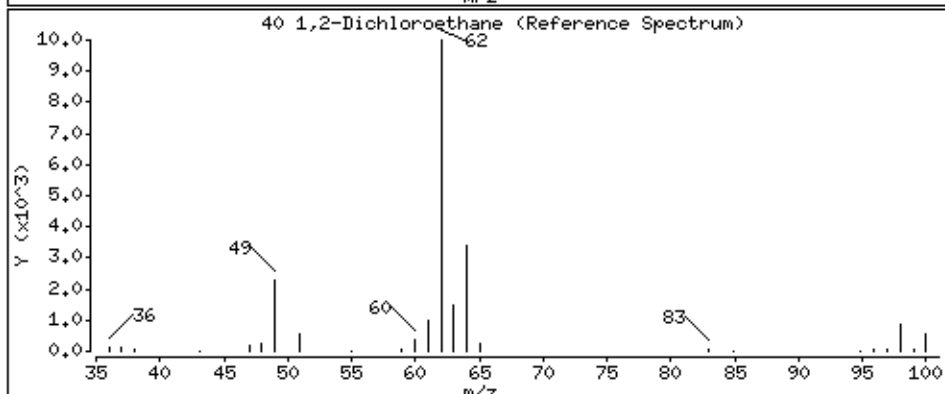
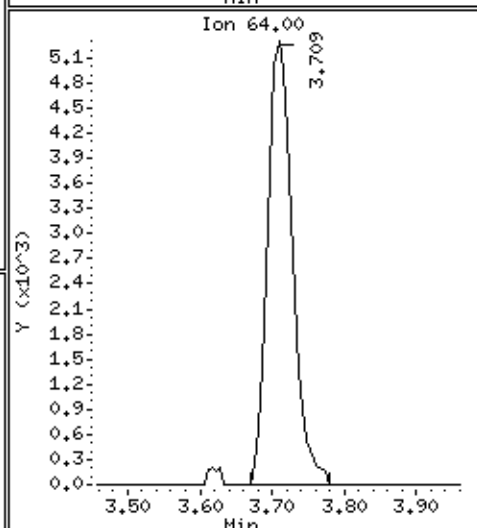
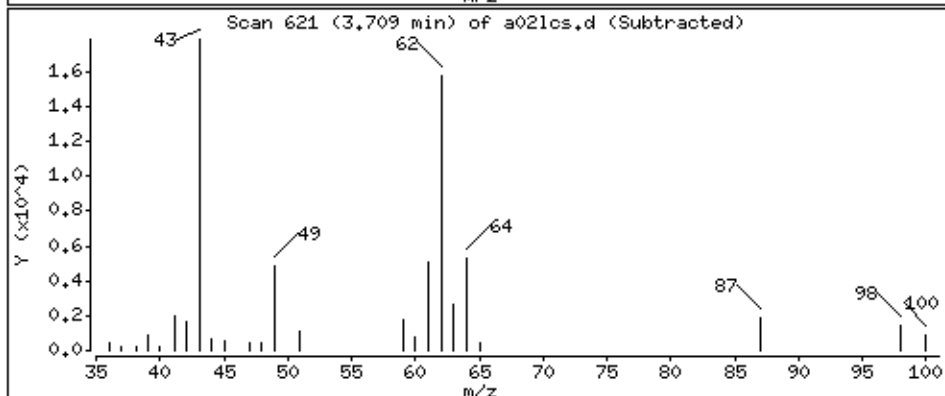
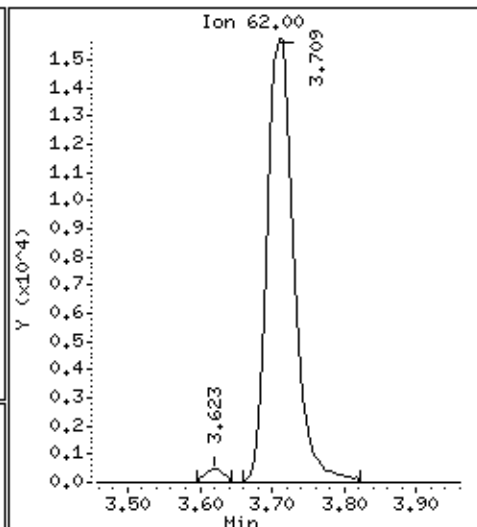
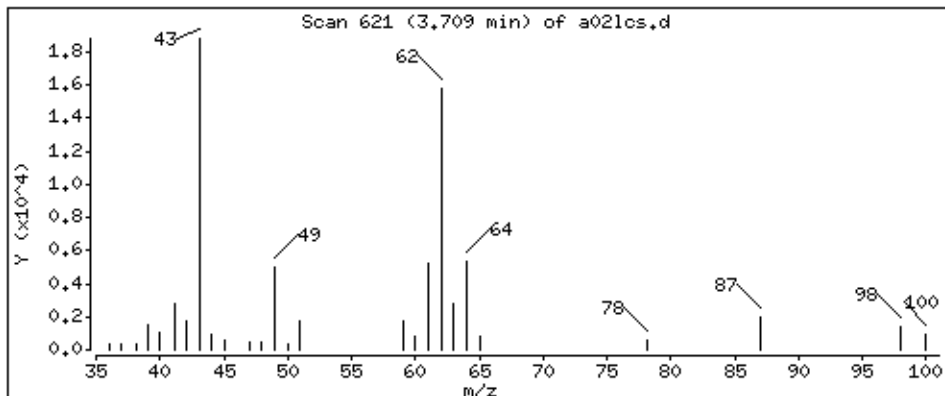
Operator: ala

Column phase: DB-624

Column diameter: 0,18

40 1,2-Dichloroethane

Concentration: 48,4 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730;5

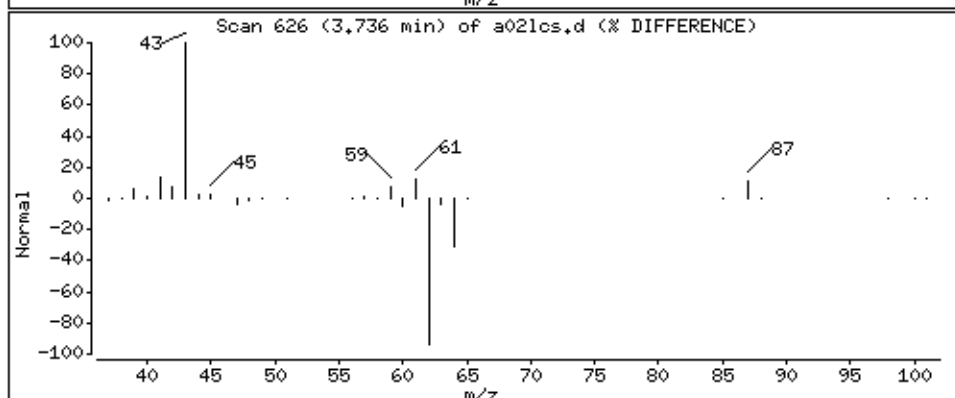
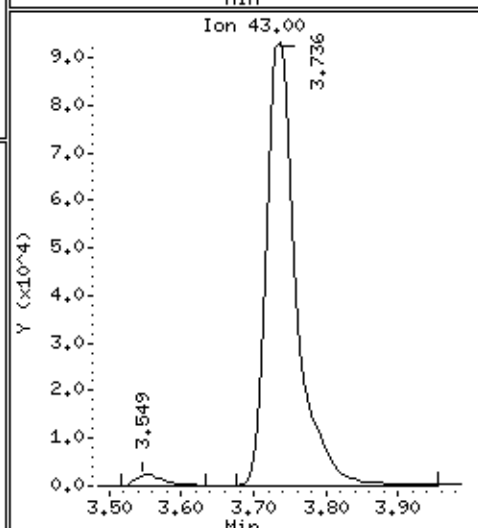
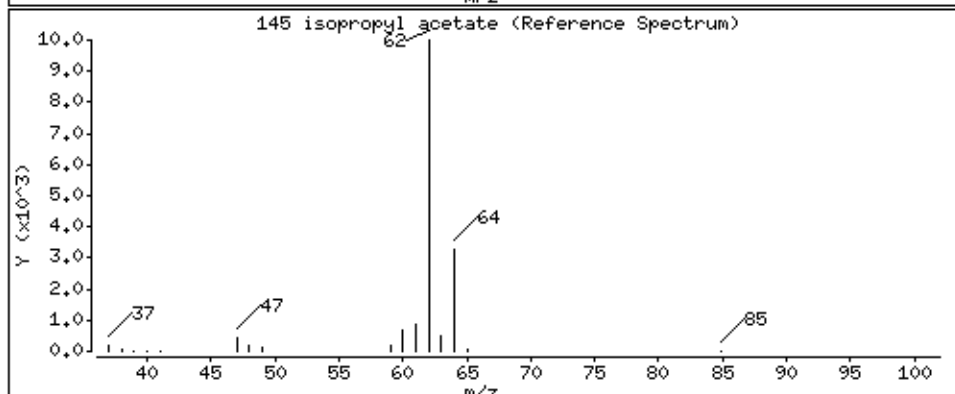
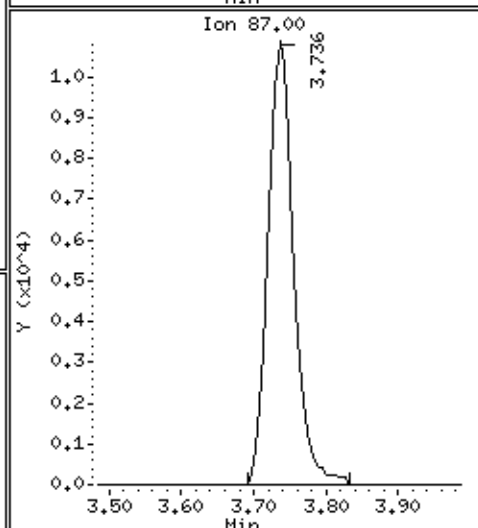
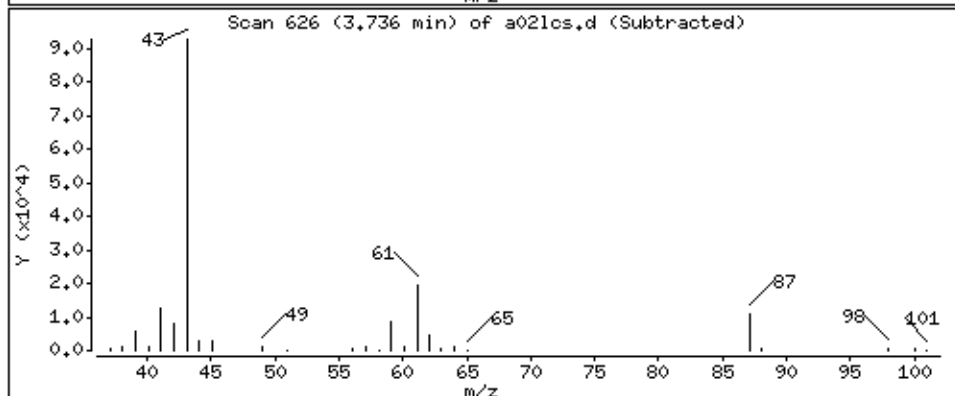
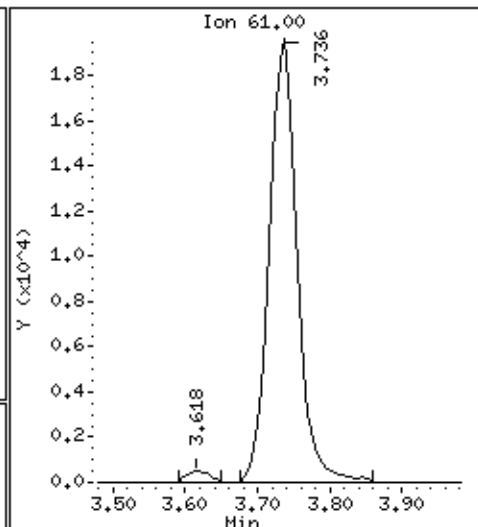
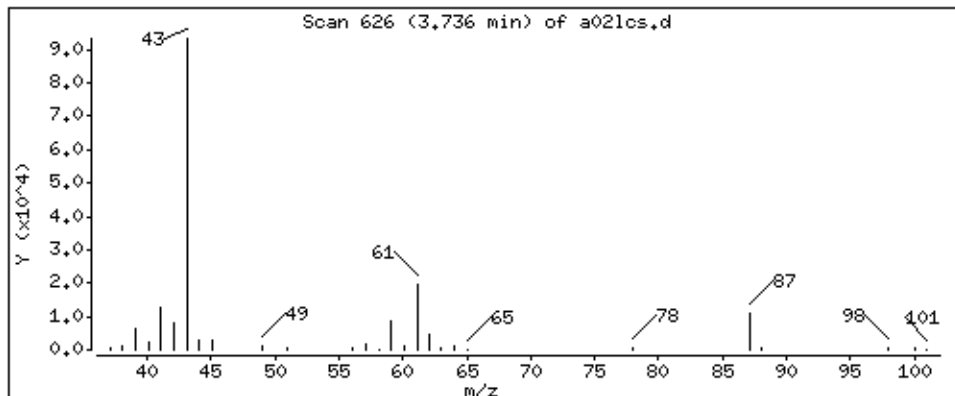
Operator: ala

Column phase: DB-624

Column diameter: 0,18

145 isopropyl acetate

Concentration: 251 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

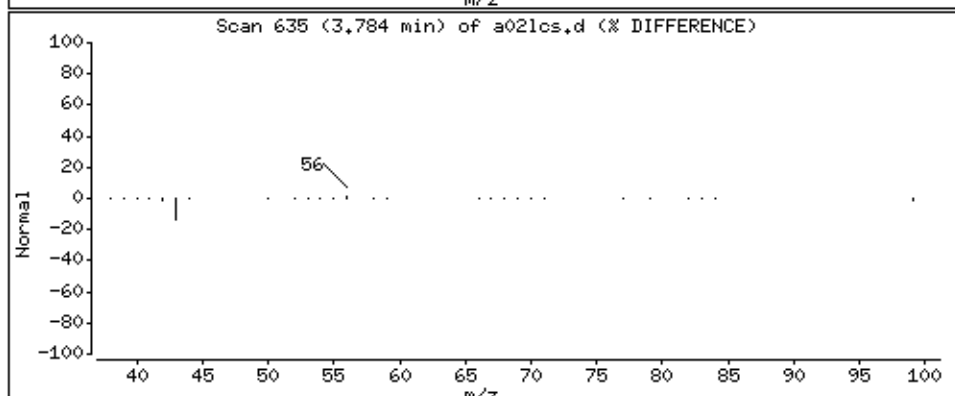
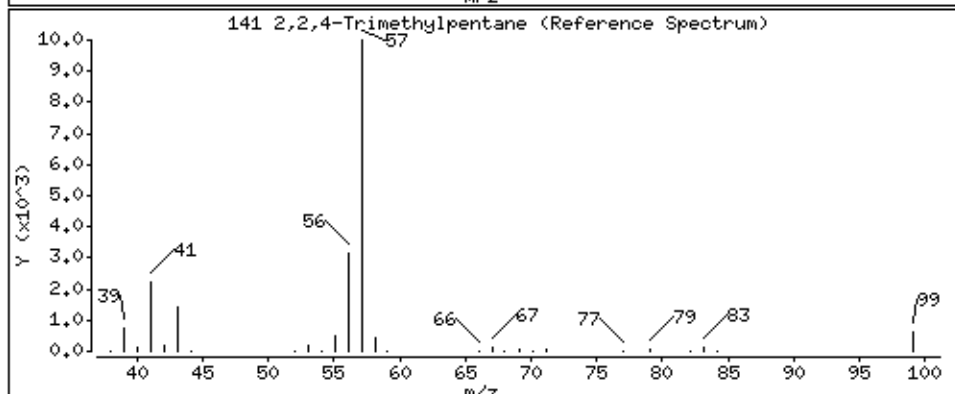
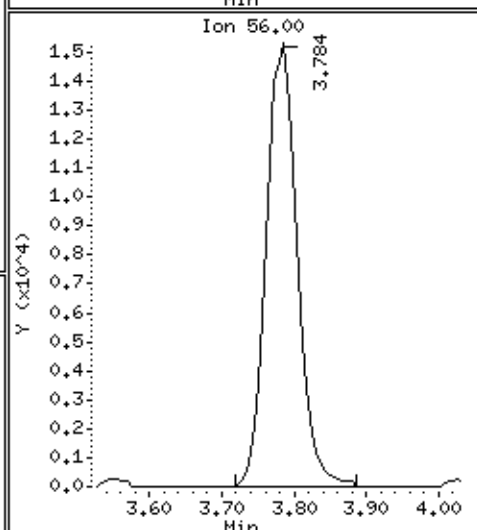
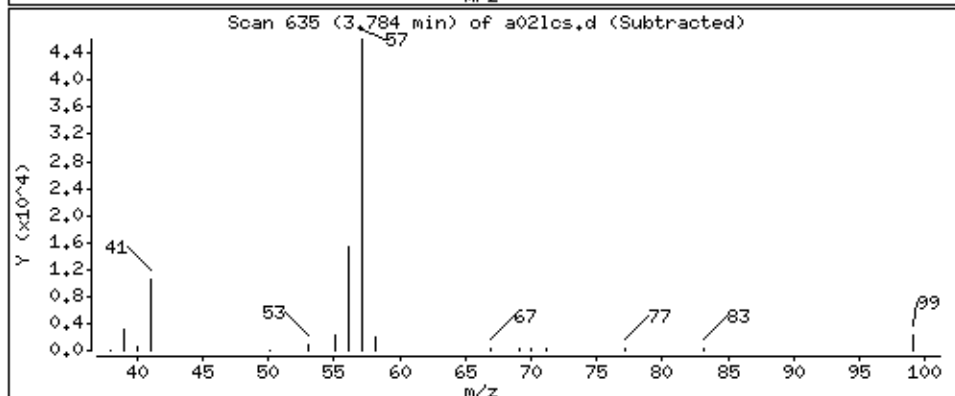
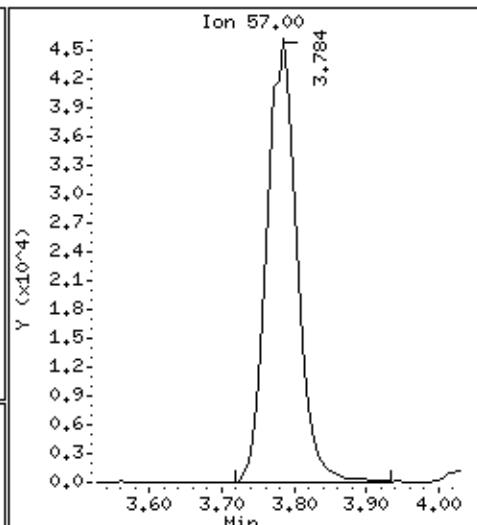
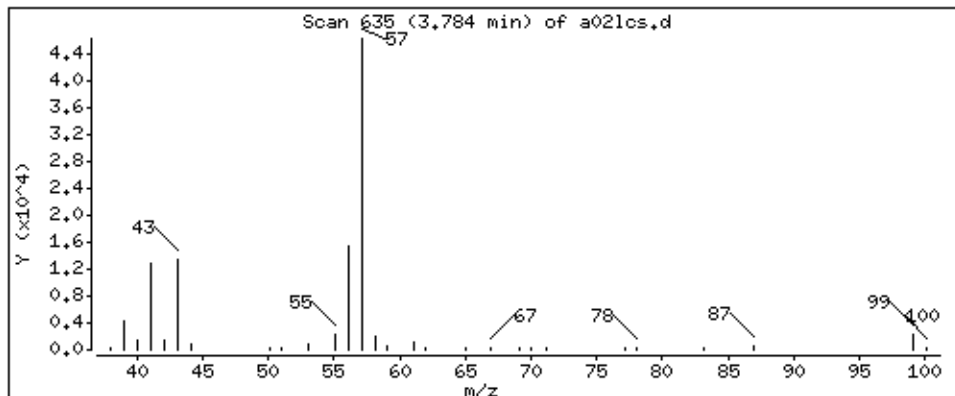
Operator: ala

Column phase: DB-624

Column diameter: 0,18

141 2,2,4-Trimethylpentane

Concentration: 54,9 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

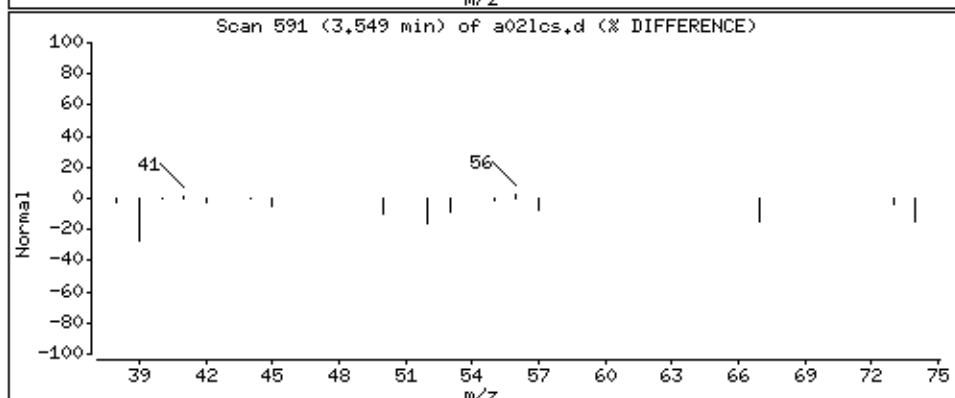
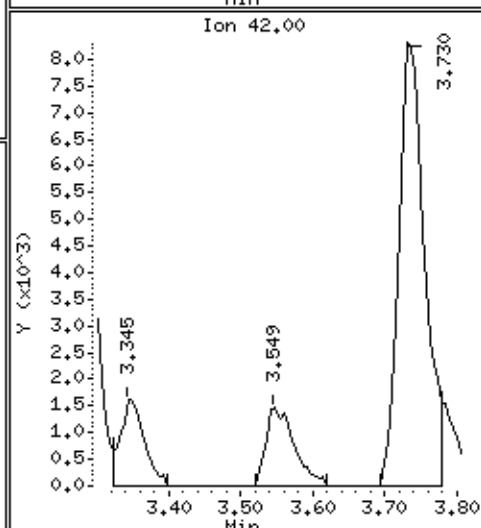
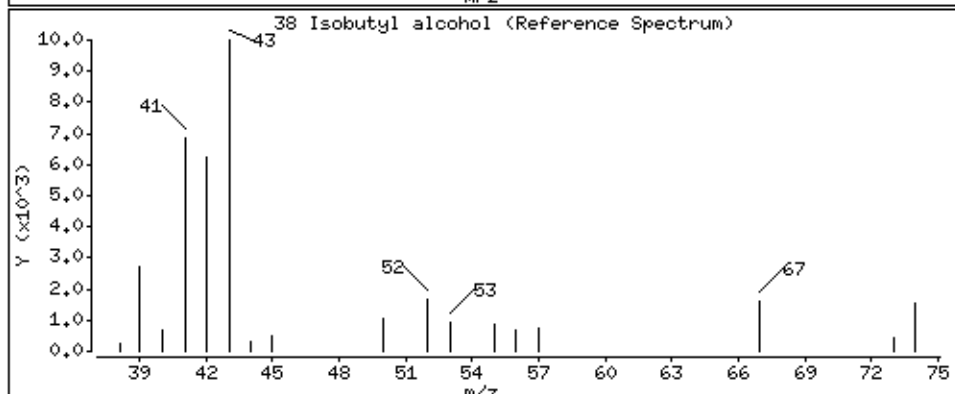
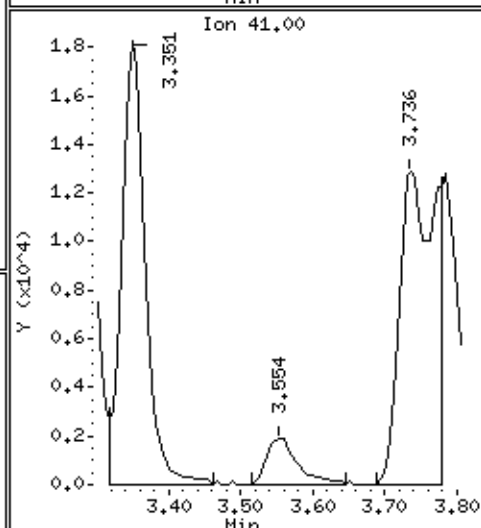
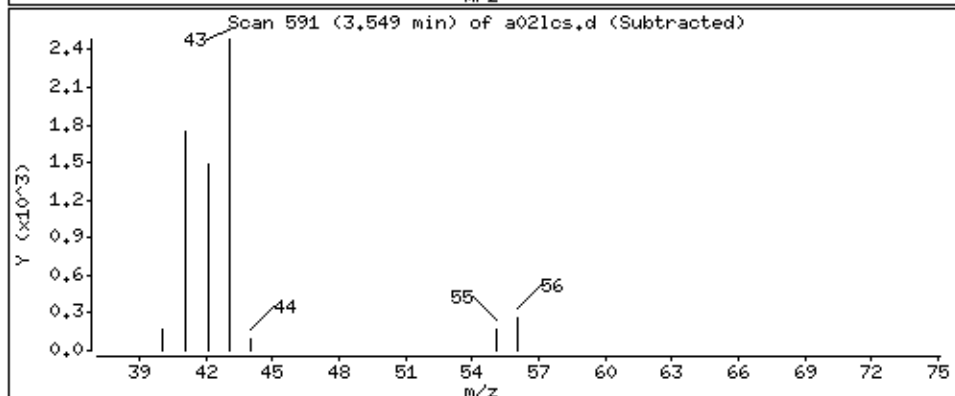
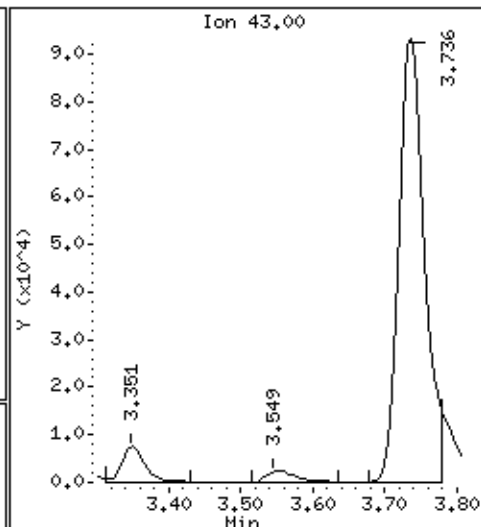
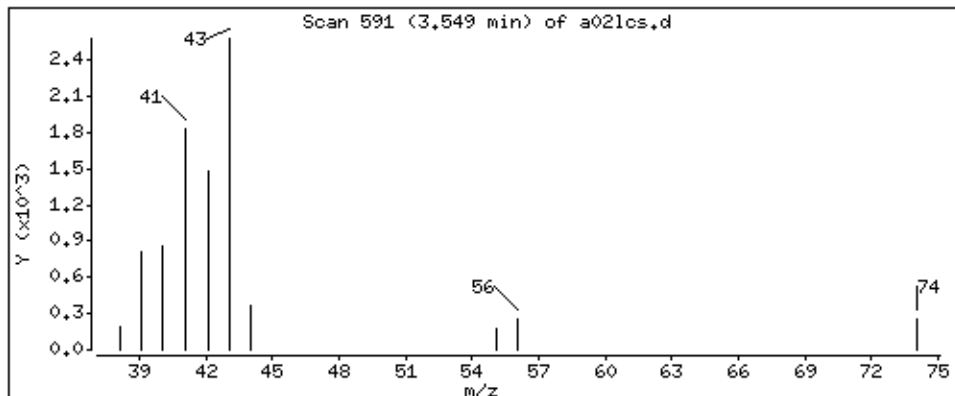
Operator: ala

Column phase: DB-624

Column diameter: 0,18

38 Isobutyl alcohol

Concentration: 209 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

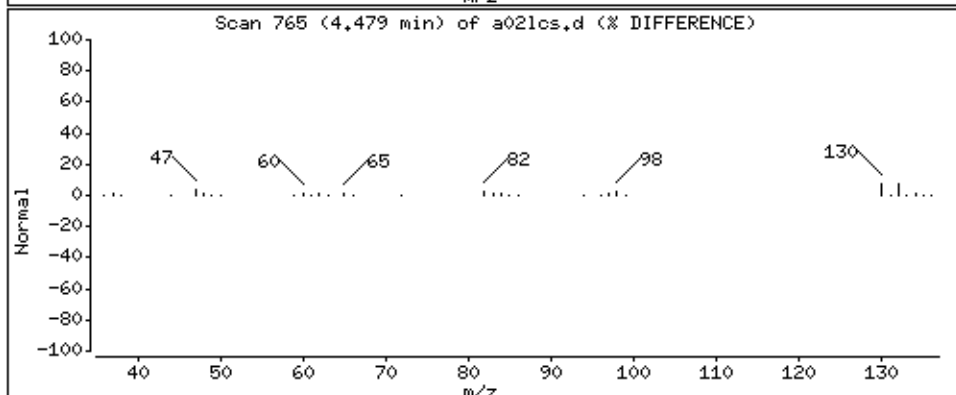
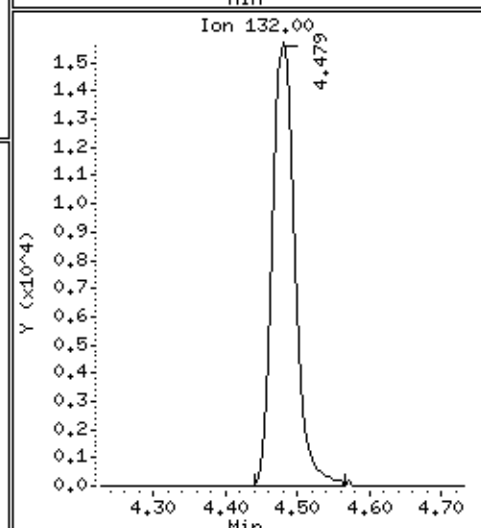
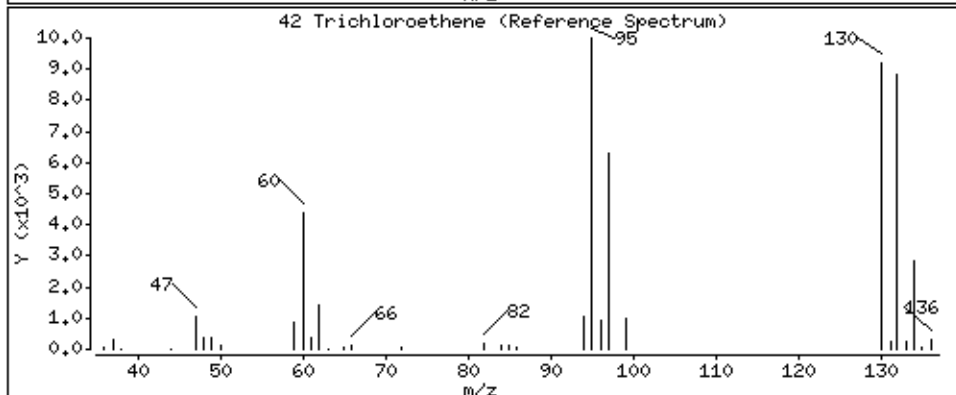
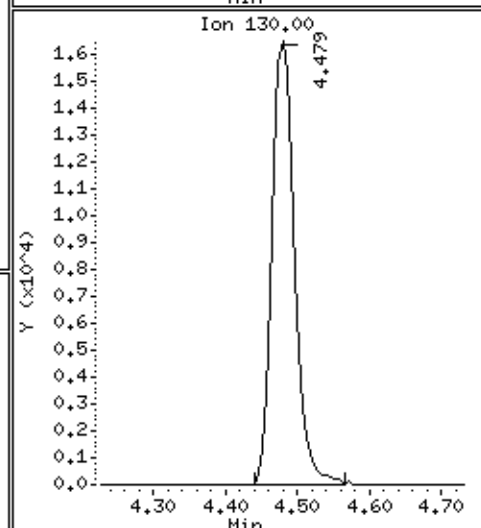
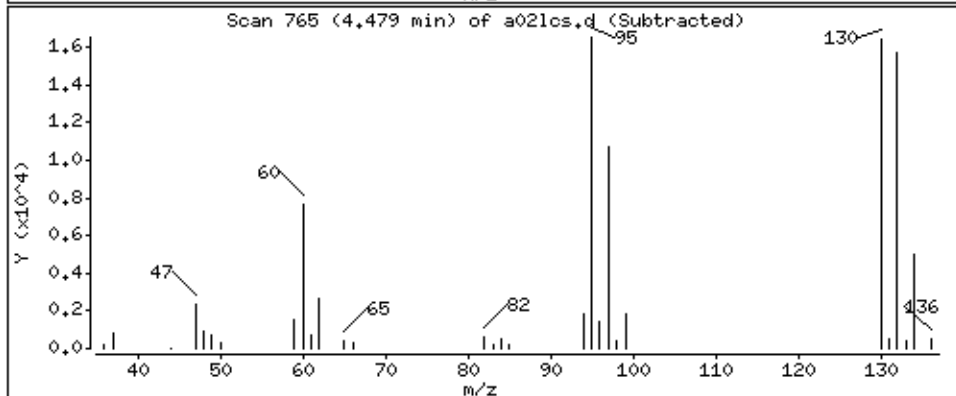
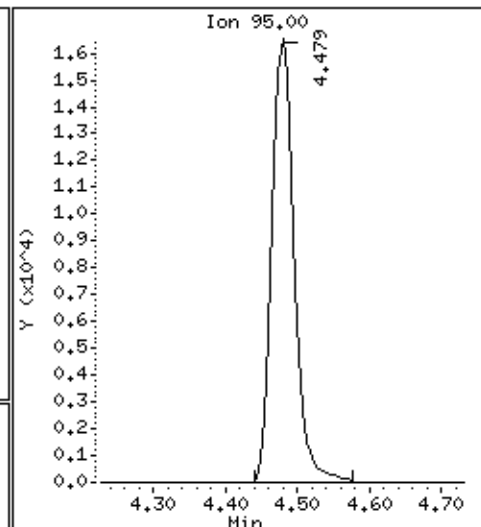
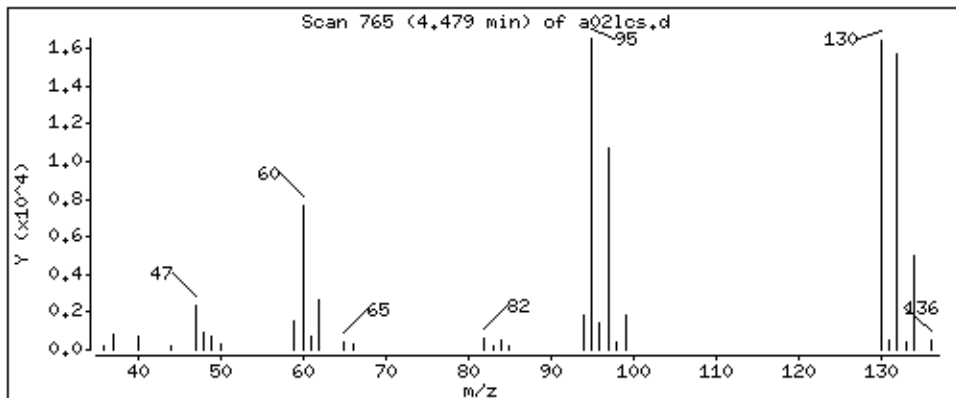
Operator: ala

Column phase: DB-624

Column diameter: 0,18

42 Trichloroethene

Concentration: 46,9 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

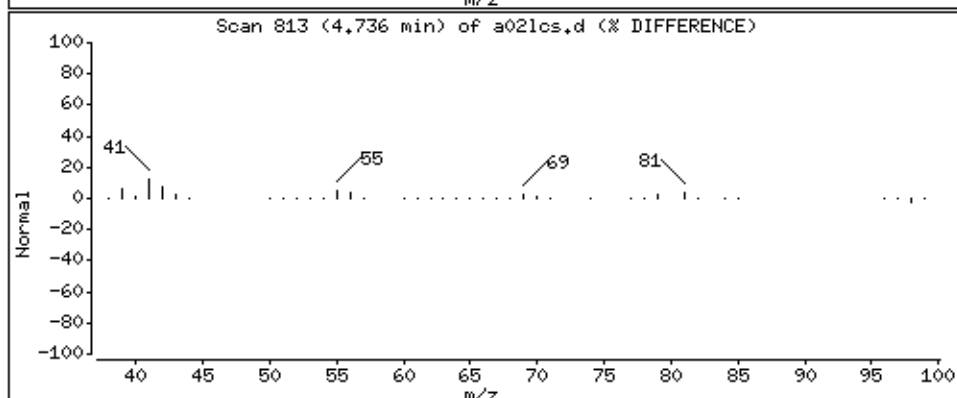
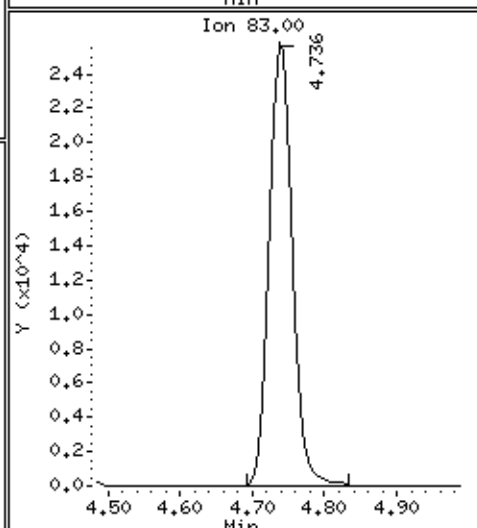
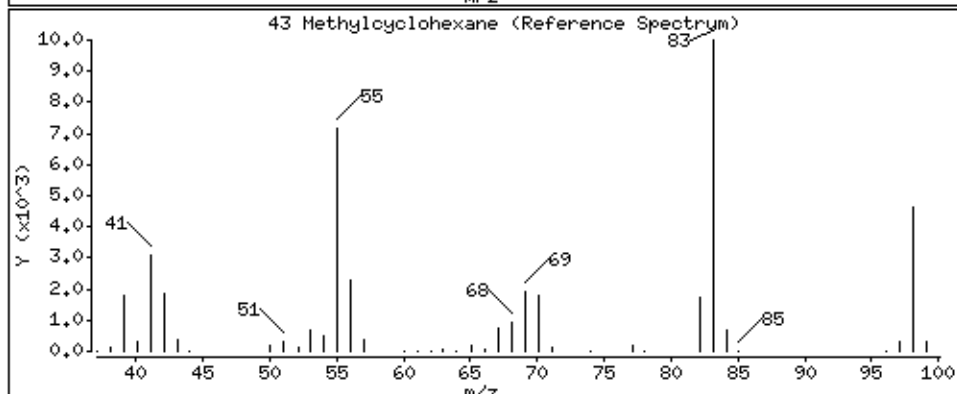
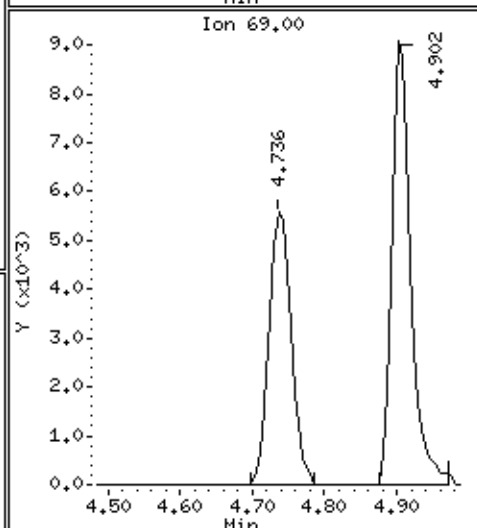
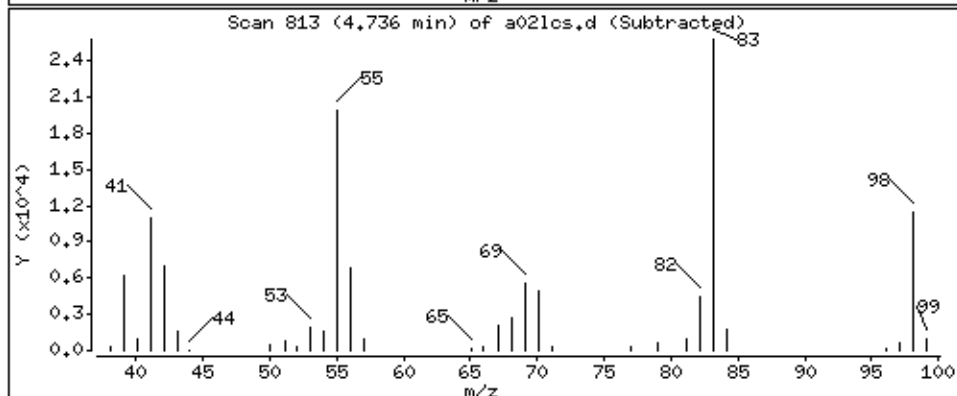
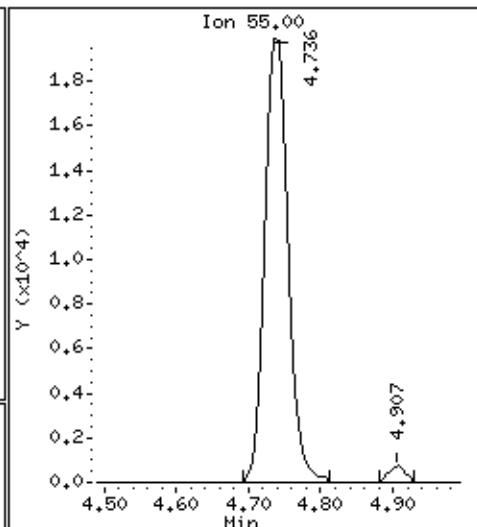
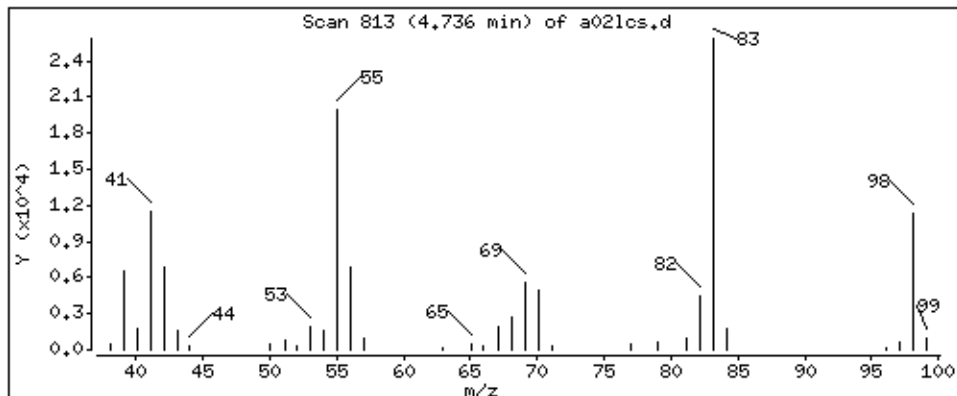
Operator: ala

Column phase: DB-624

Column diameter: 0,18

43 Methylcyclohexane

Concentration: 43,8 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730;5

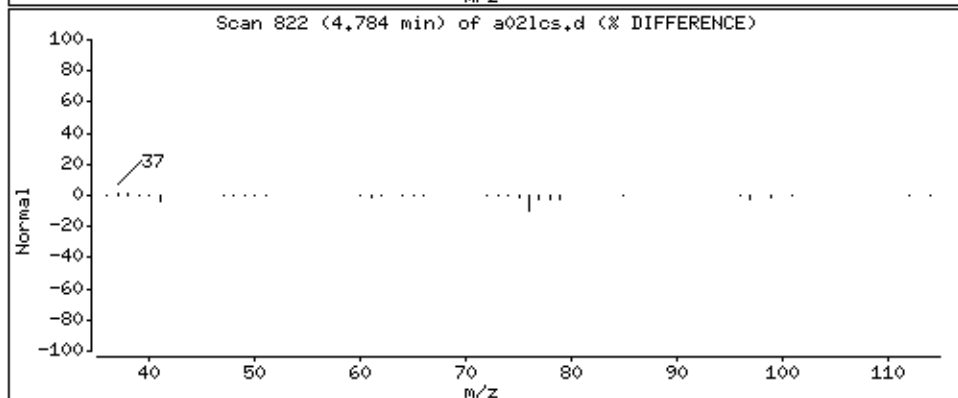
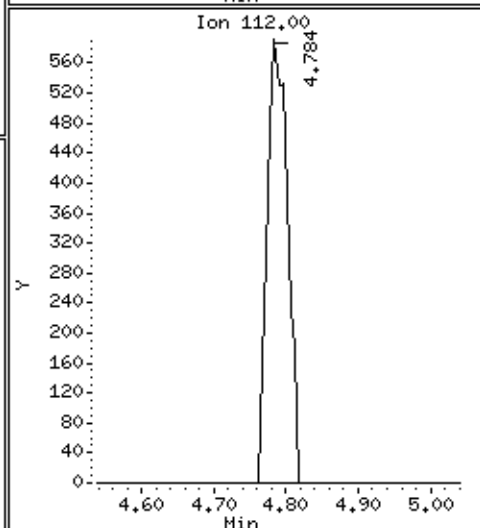
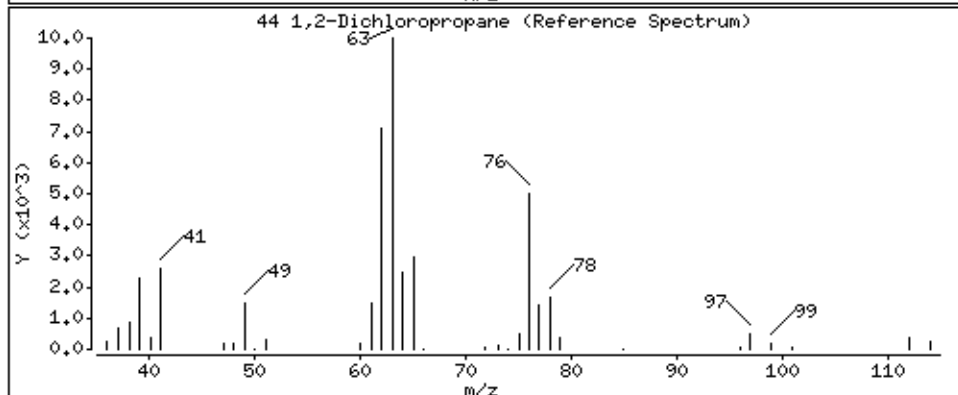
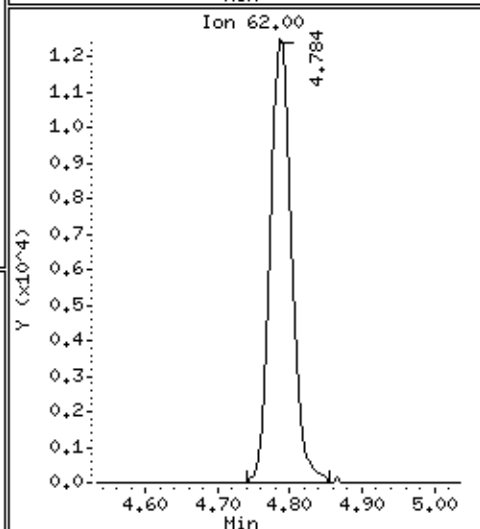
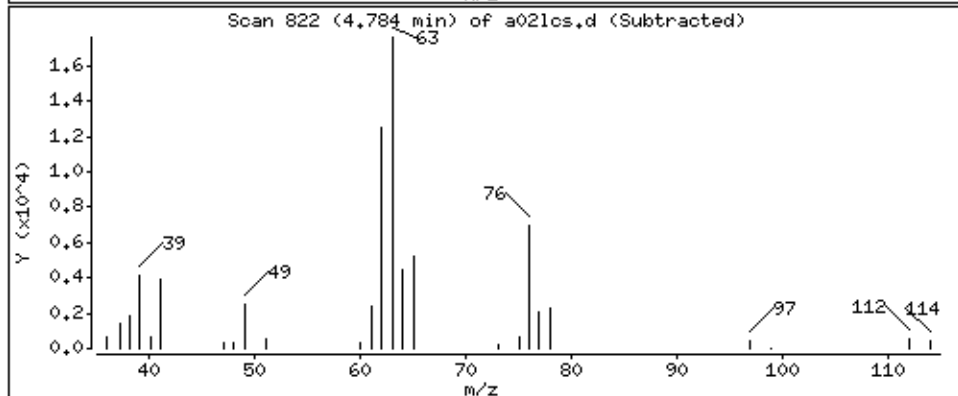
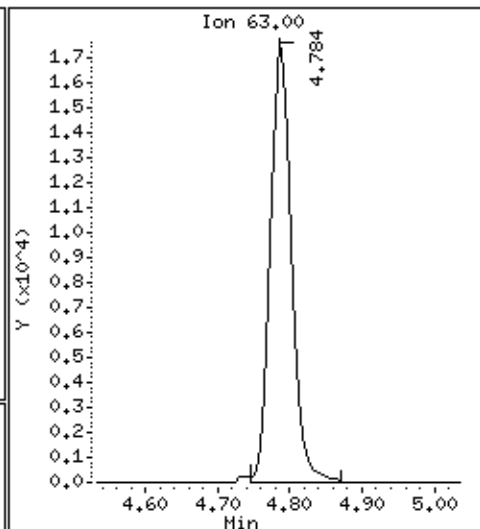
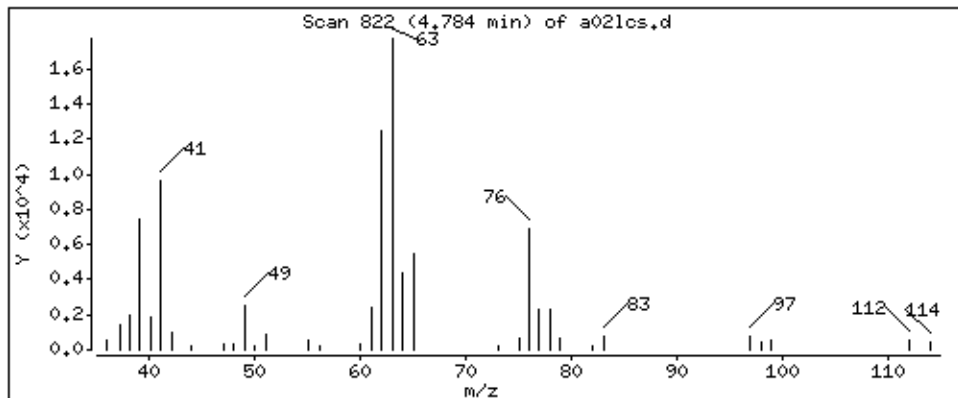
Operator: ala

Column phase: DB-624

Column diameter: 0,18

44 1,2-Dichloropropane

Concentration: 51.2 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730;5

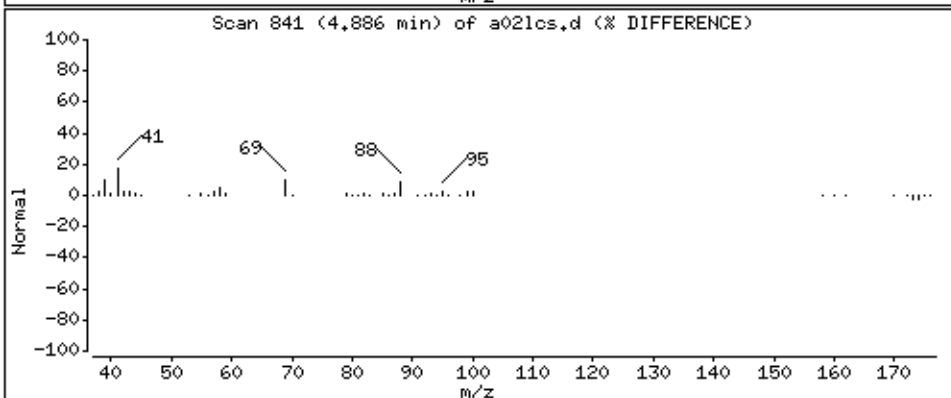
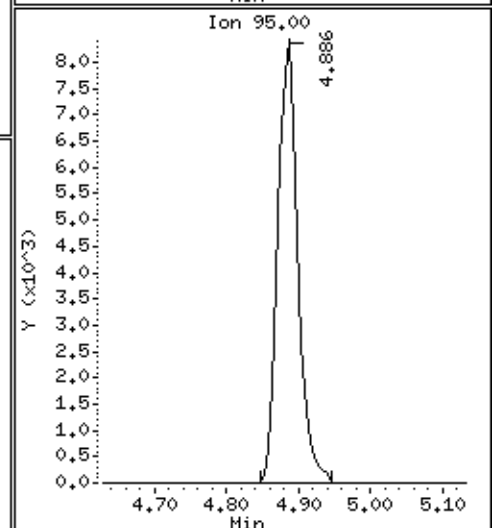
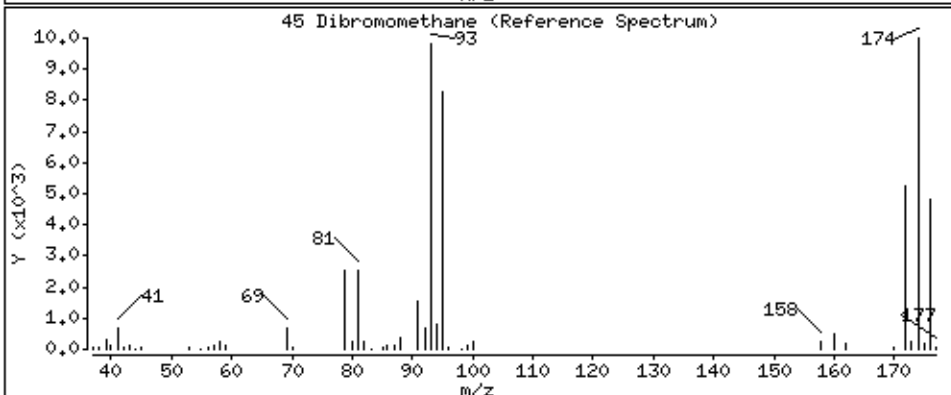
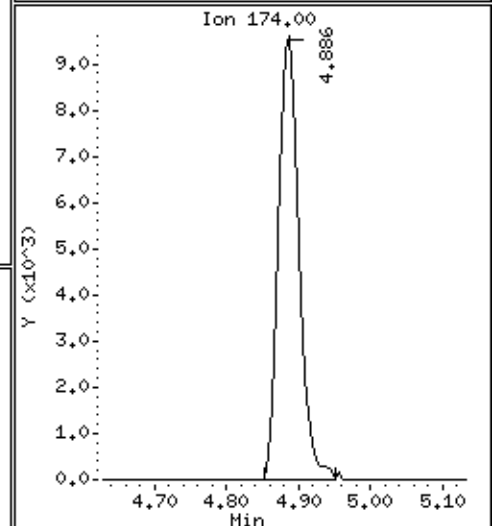
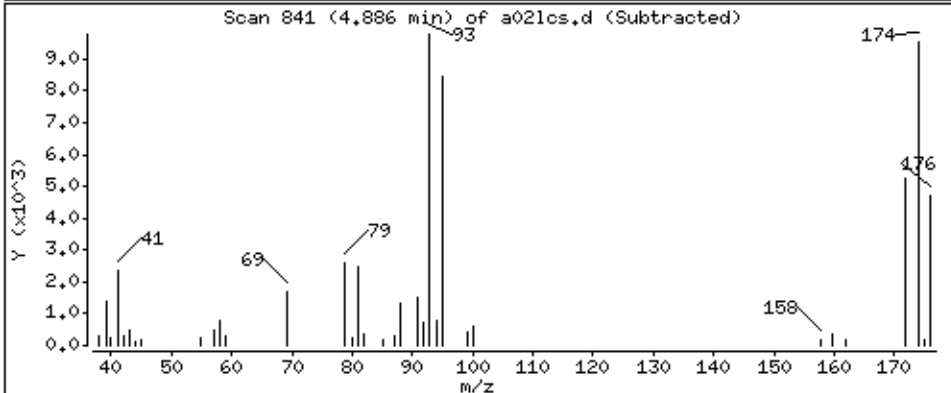
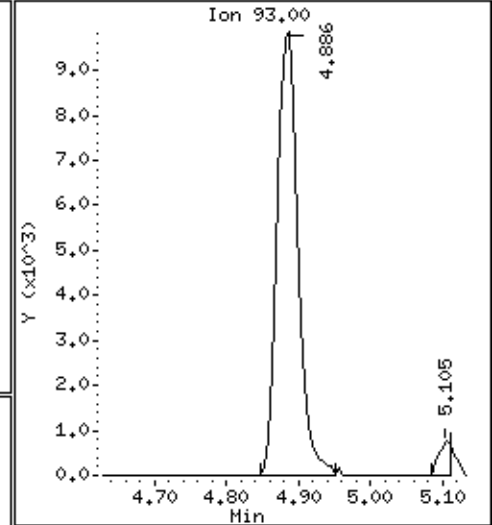
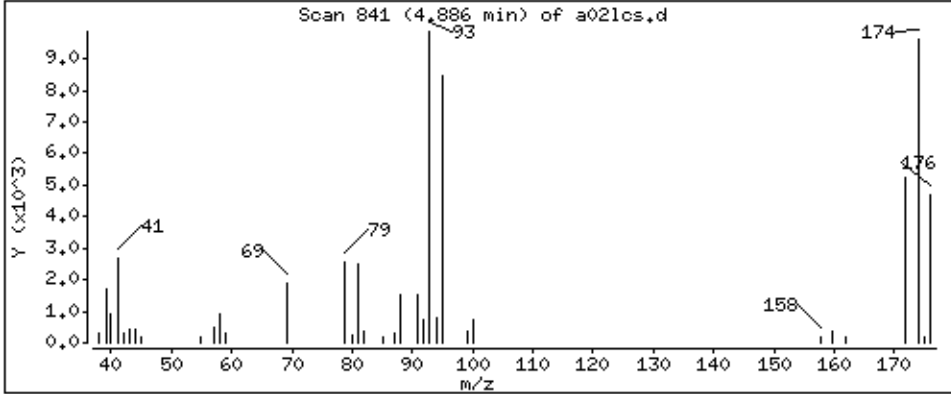
Operator: ala

Column phase: DB-624

Column diameter: 0,18

45 Dibromomethane

Concentration: 49,5 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

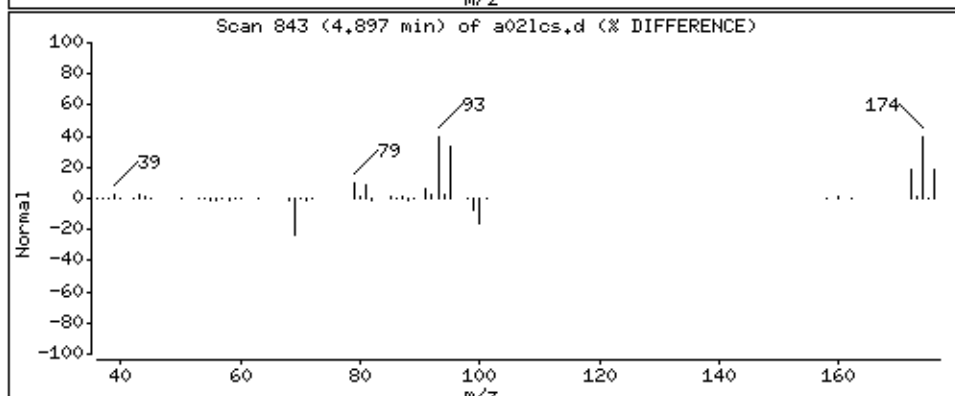
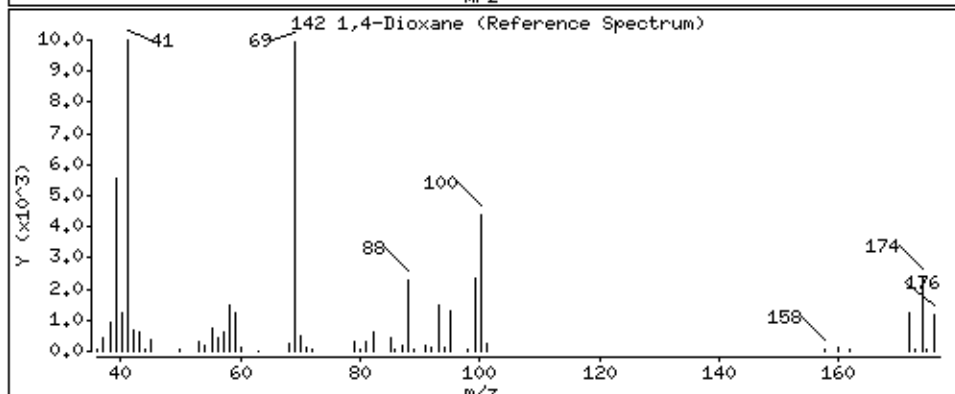
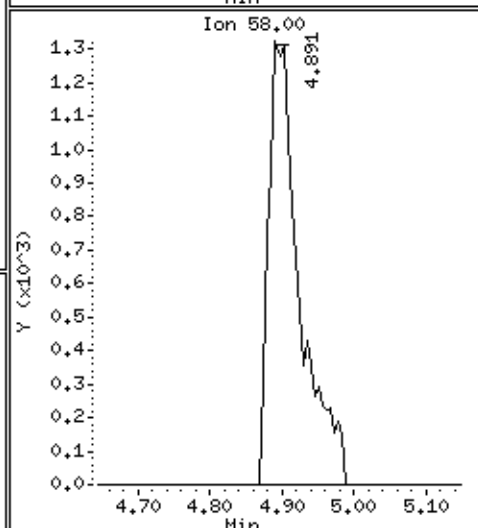
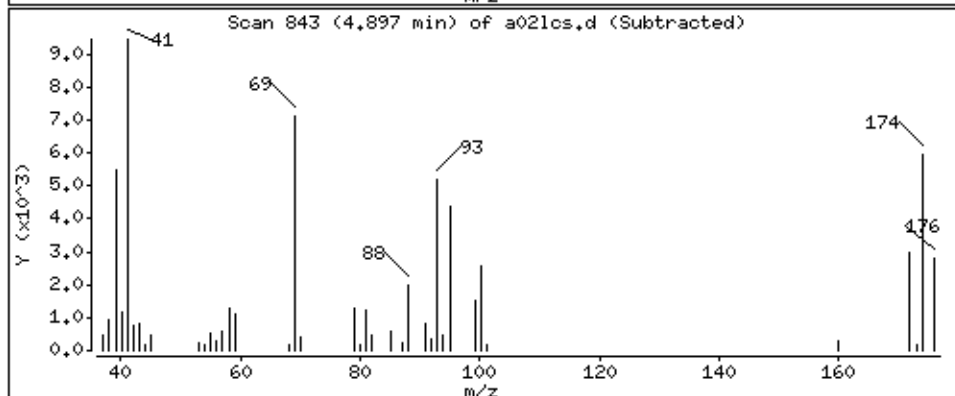
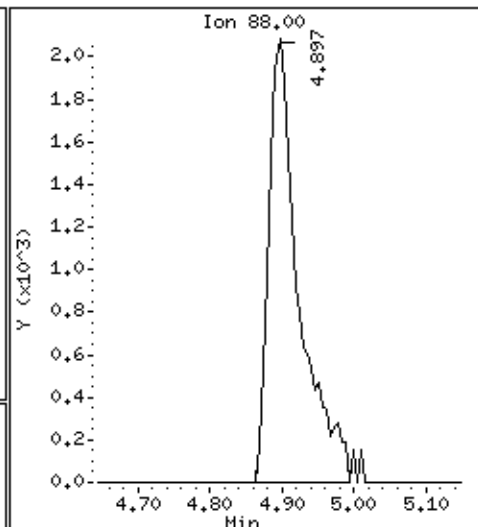
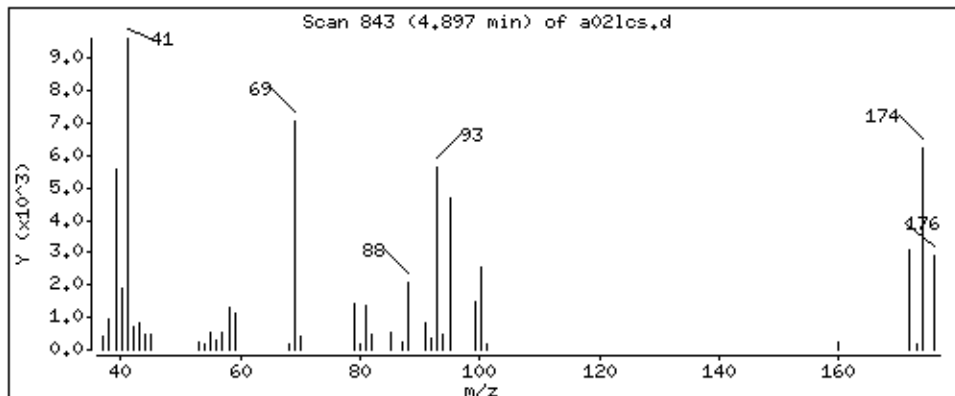
Operator: ala

Column phase: DB-624

Column diameter: 0,18

142 1,4-Dioxane

Concentration: 735 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

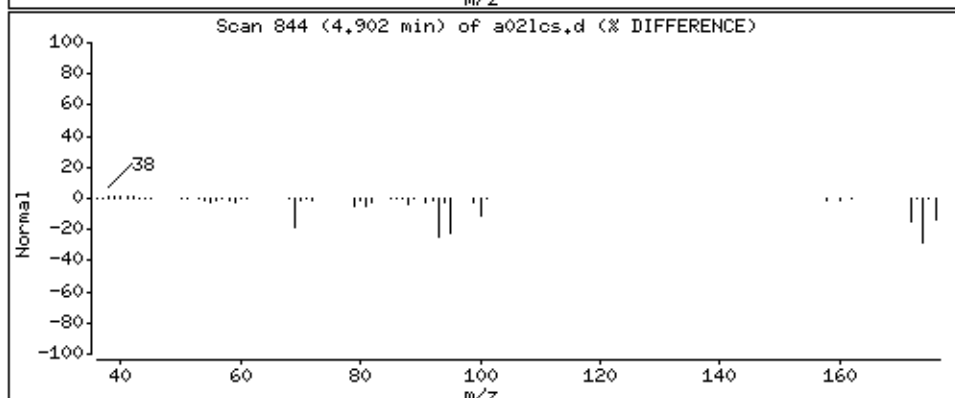
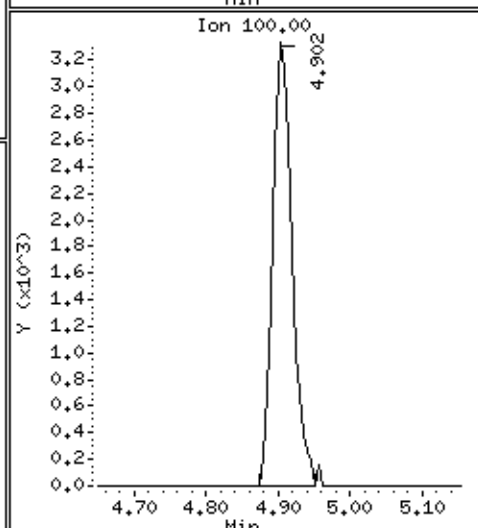
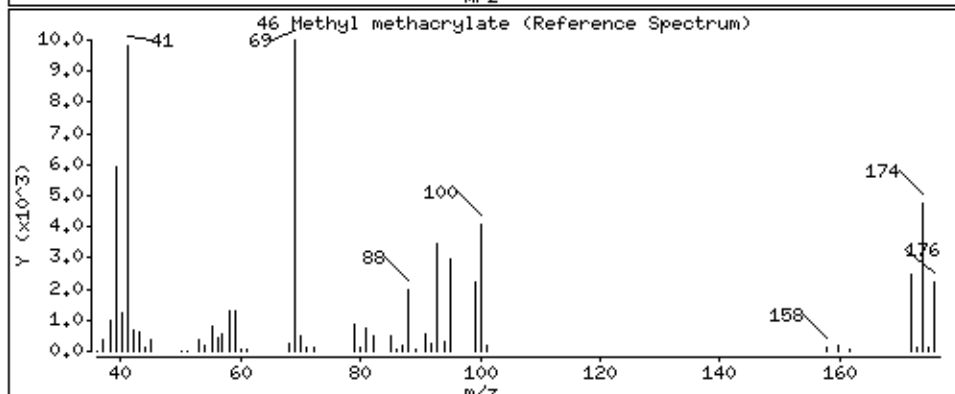
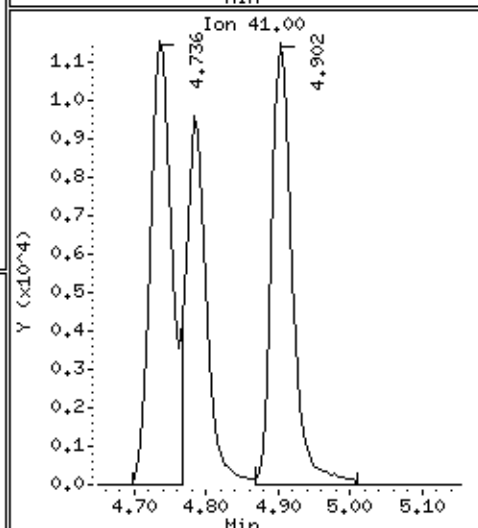
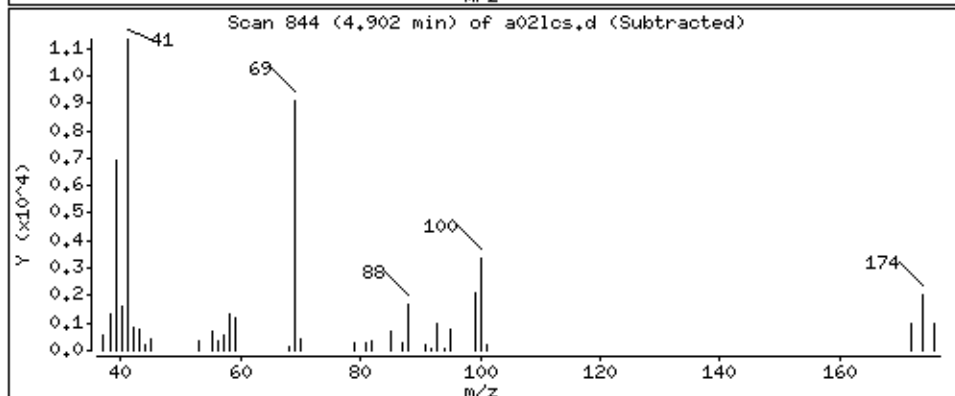
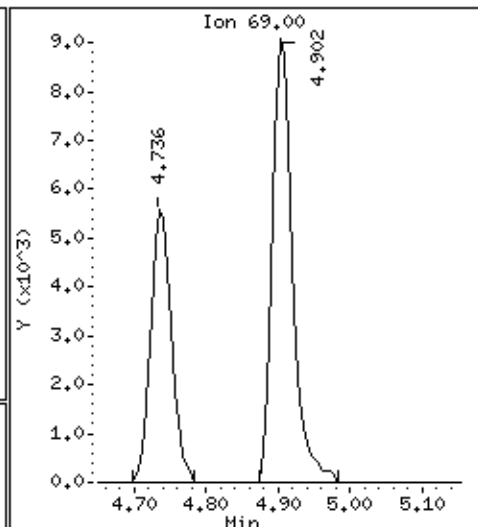
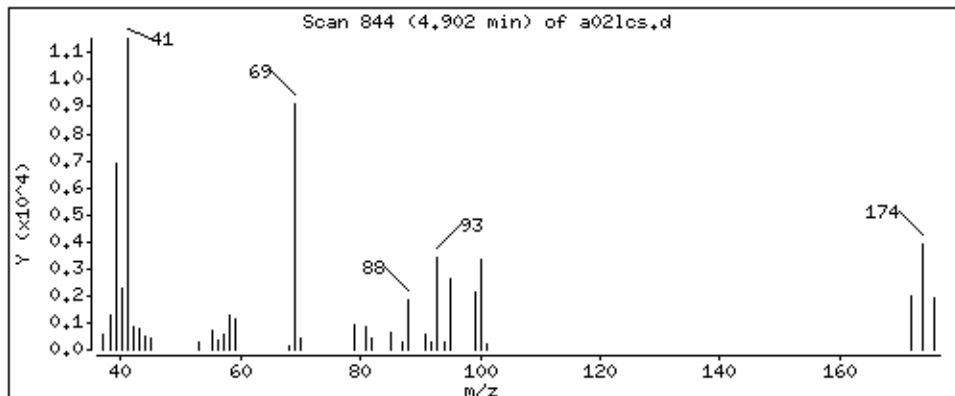
Operator: ala

Column phase: DB-624

Column diameter: 0,18

46 Methyl methacrylate

Concentration: 42.3 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

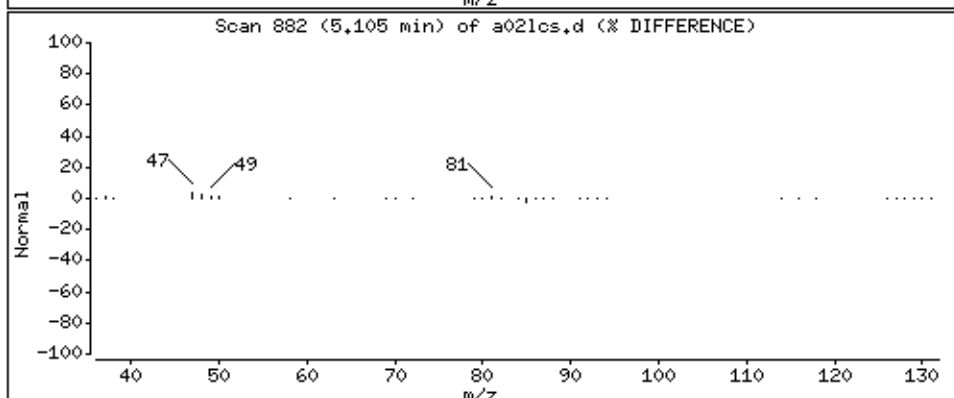
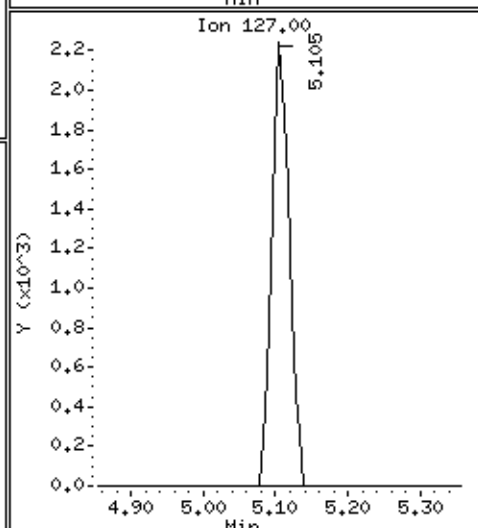
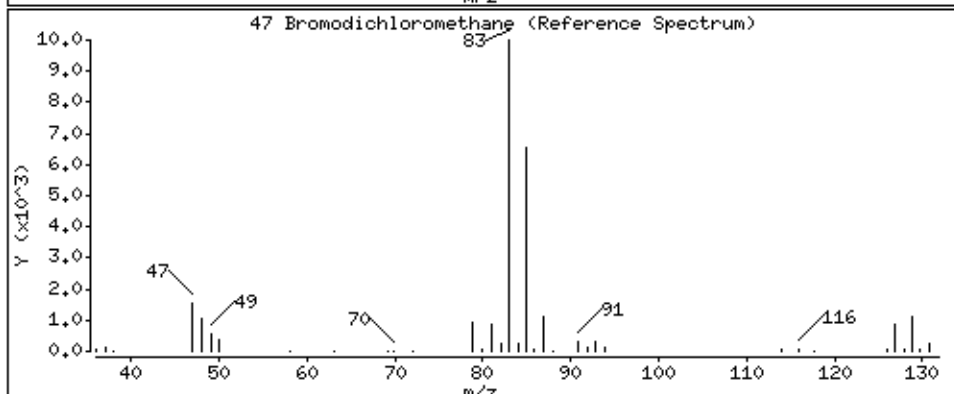
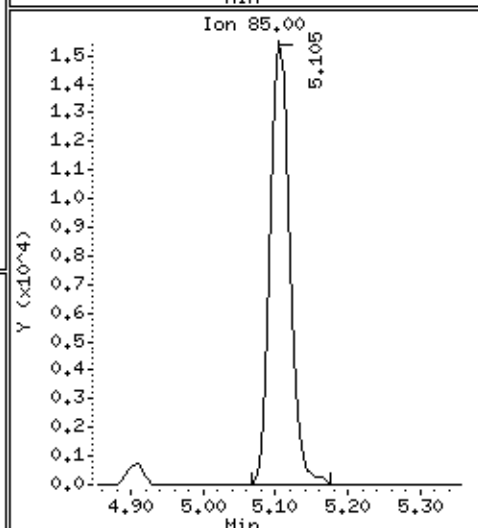
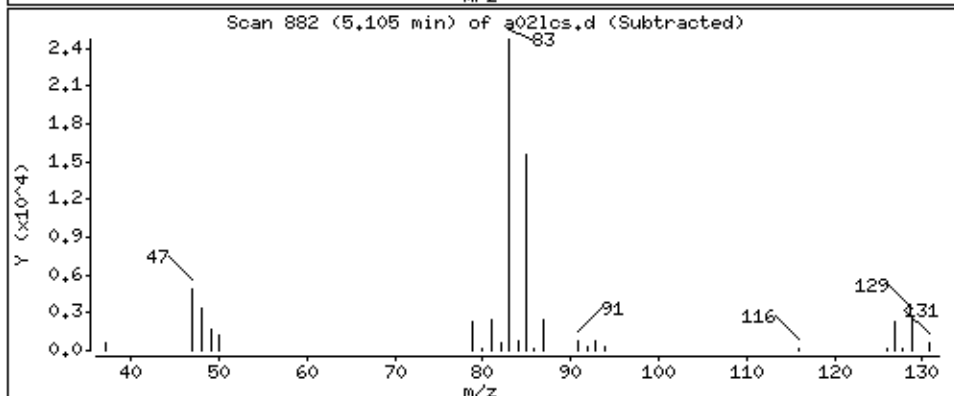
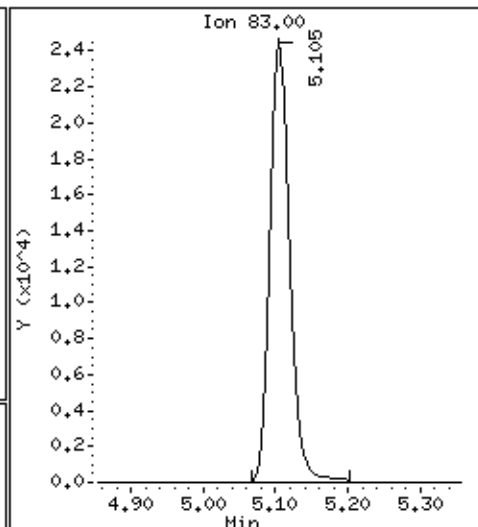
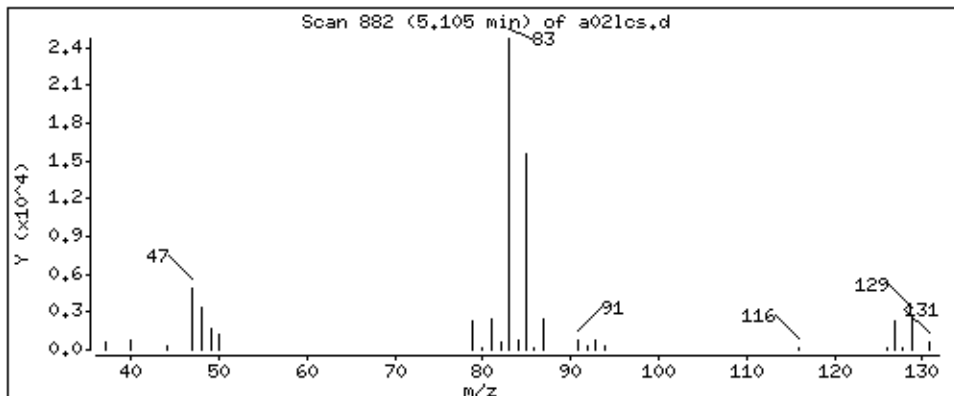
Operator: ala

Column phase: DB-624

Column diameter: 0,18

47 Bromodichloromethane

Concentration: 47,8 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

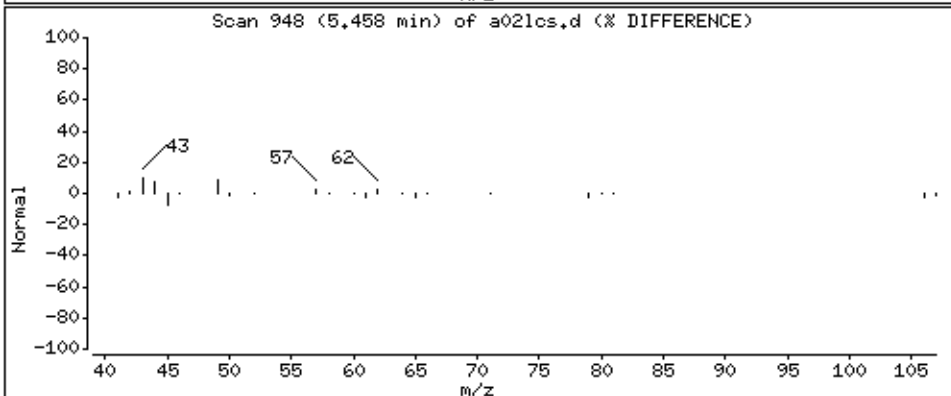
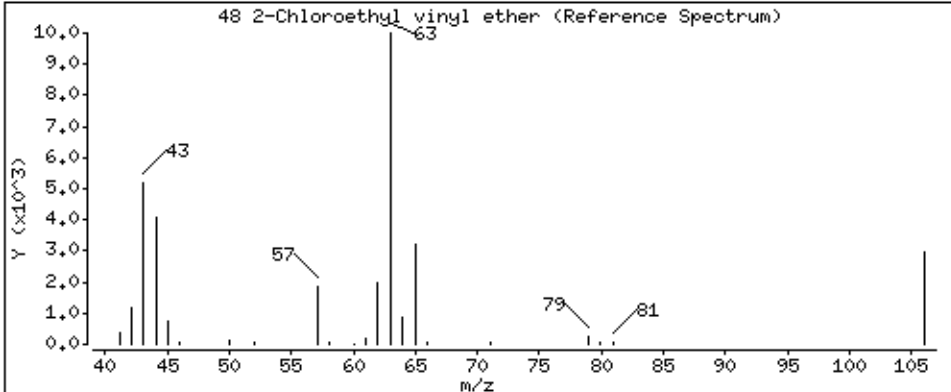
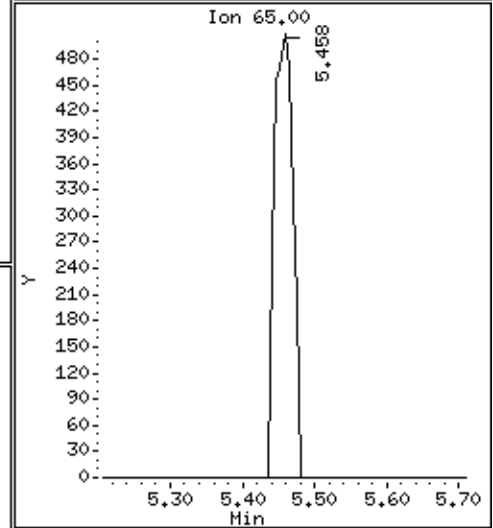
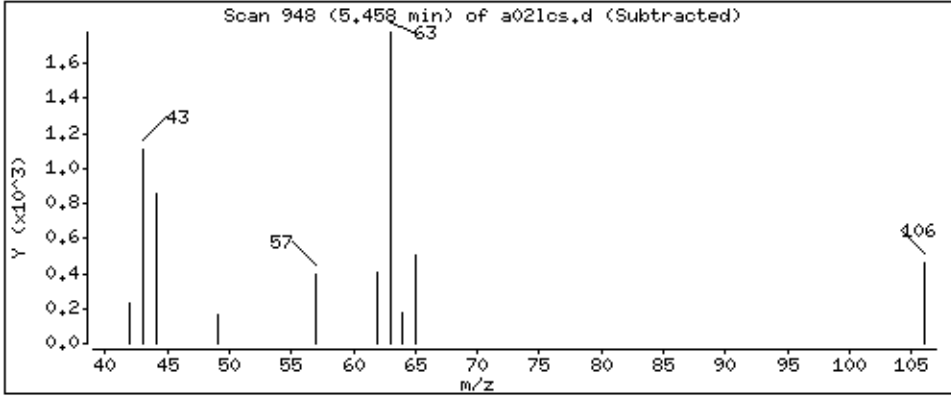
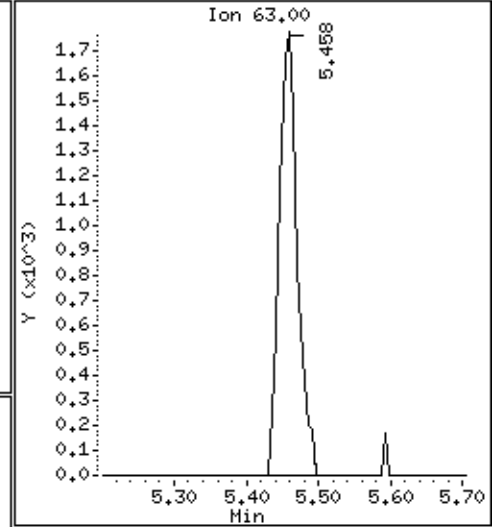
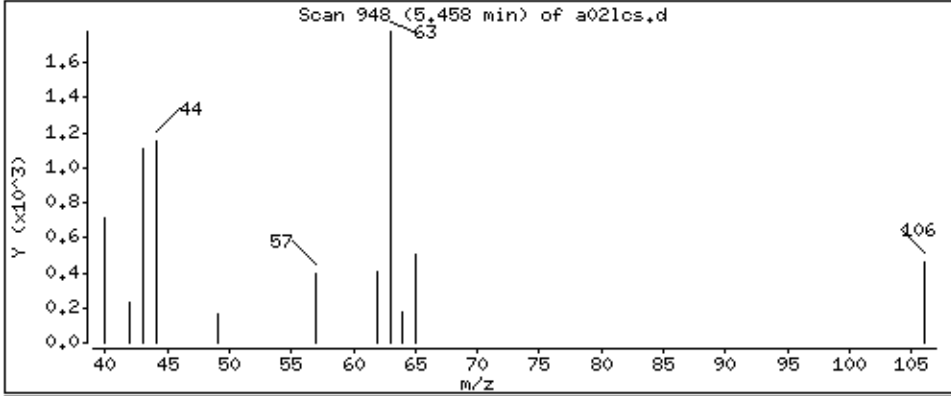
Operator: ala

Column phase: DB-624

Column diameter: 0,18

48 2-Chloroethyl vinyl ether

Concentration: 24,5 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

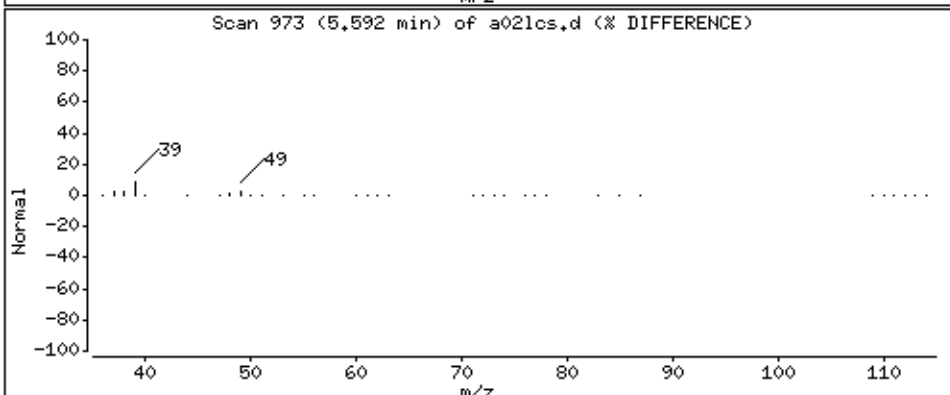
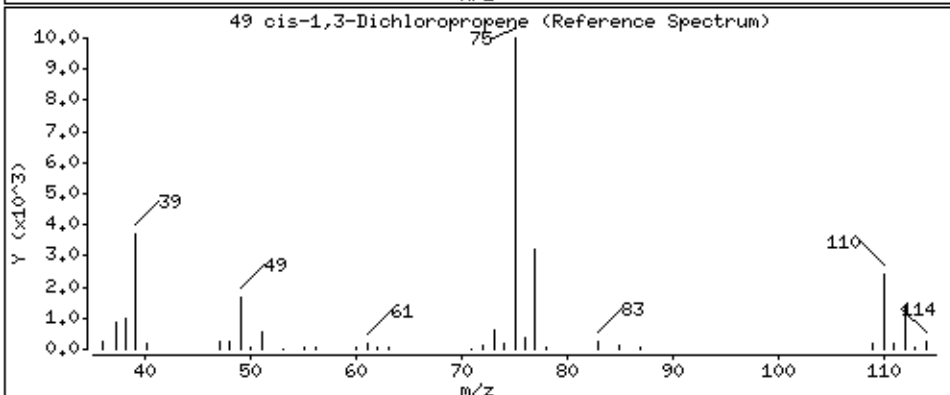
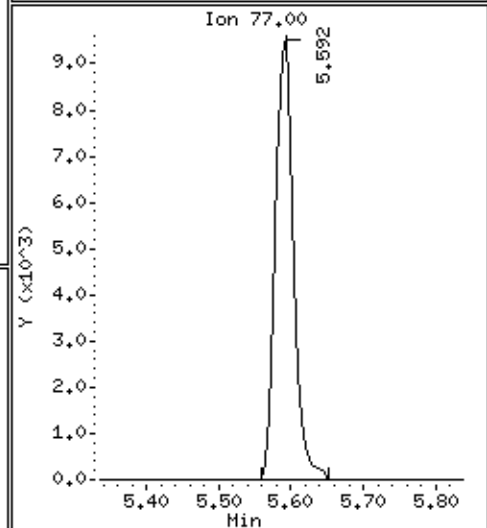
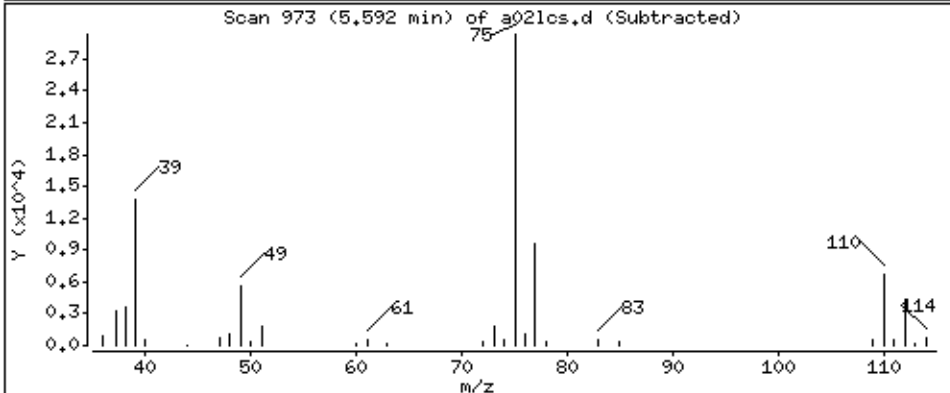
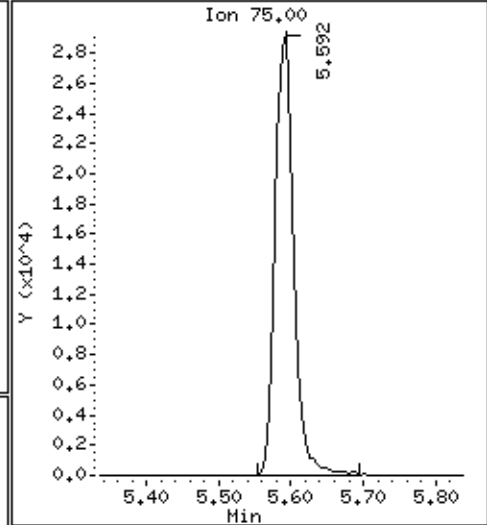
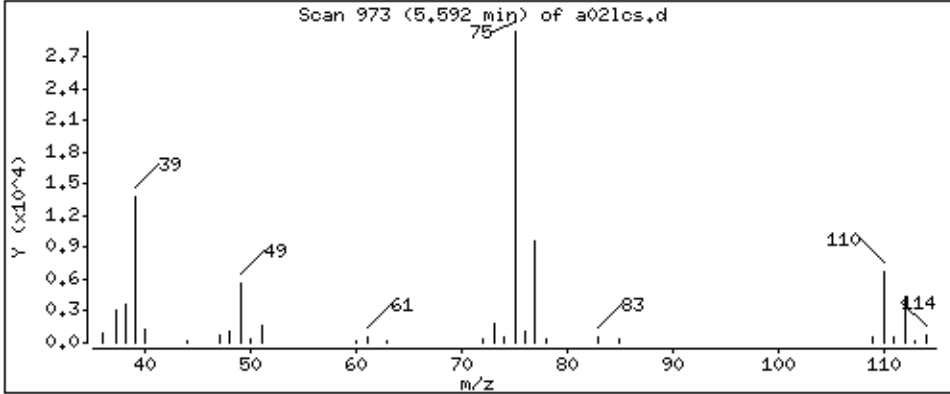
Operator: ala

Column phase: DB-624

Column diameter: 0,18

49 cis-1,3-Dichloropropene

Concentration: 46,9 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

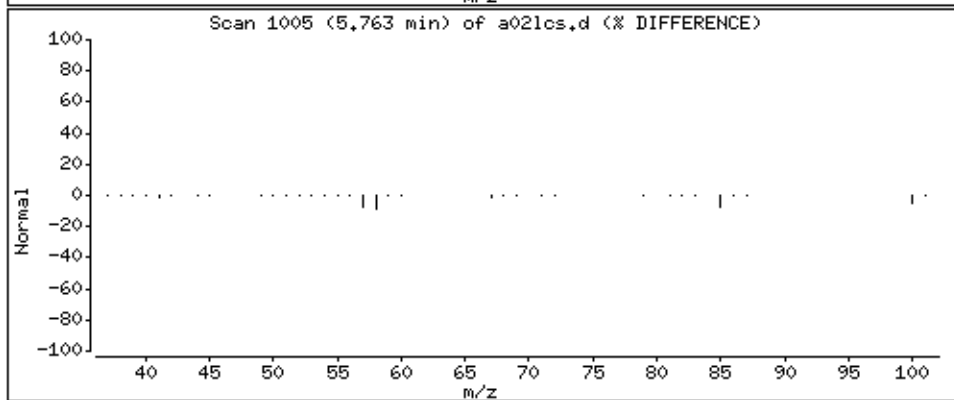
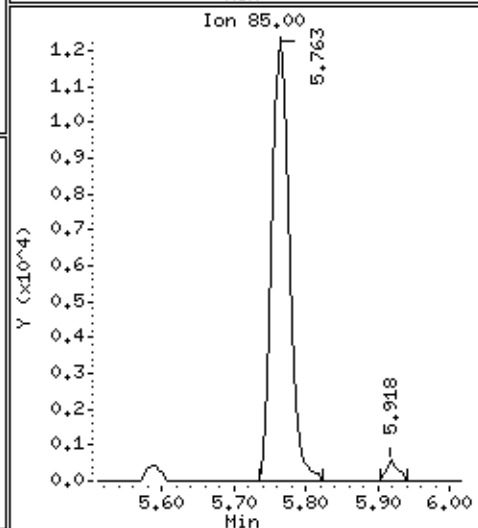
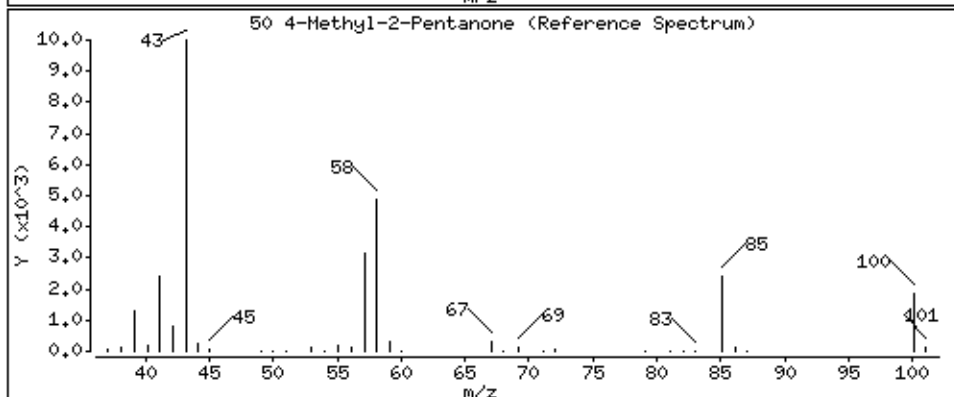
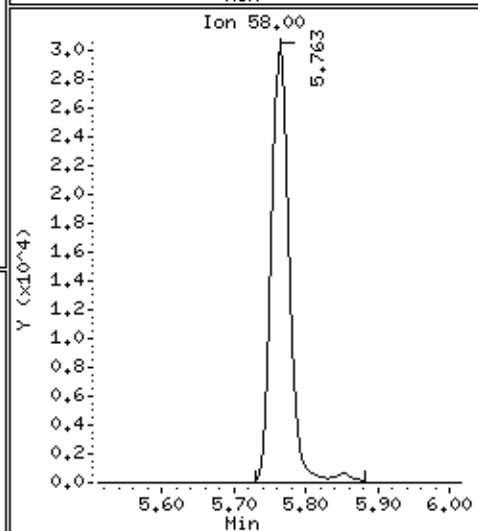
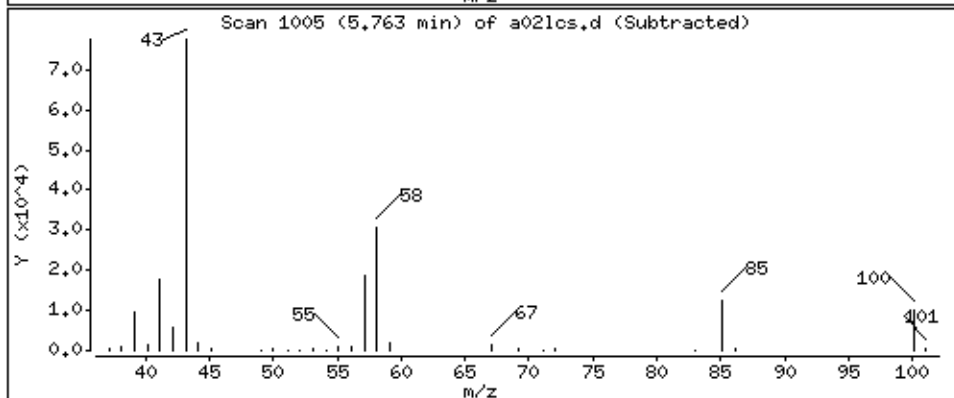
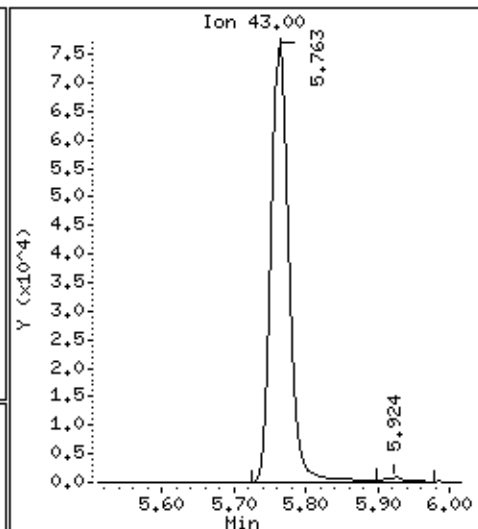
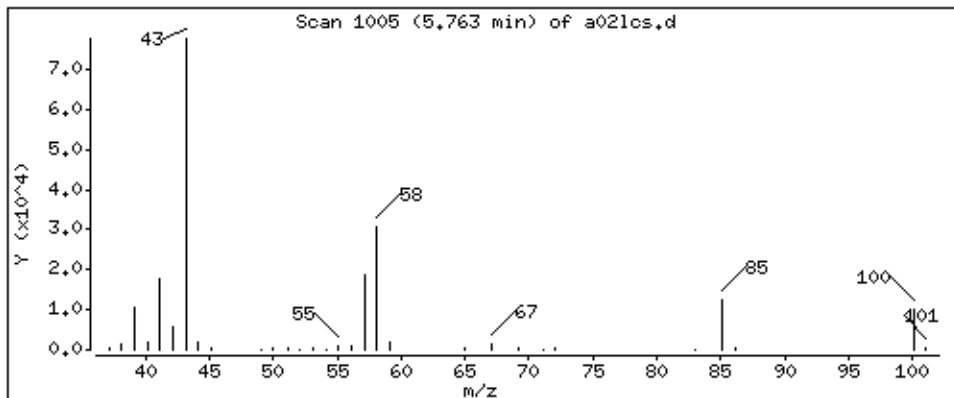
Operator: ala

Column phase: DB-624

Column diameter: 0,18

50 4-Methyl-2-Pentanone

Concentration: 223 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730;5

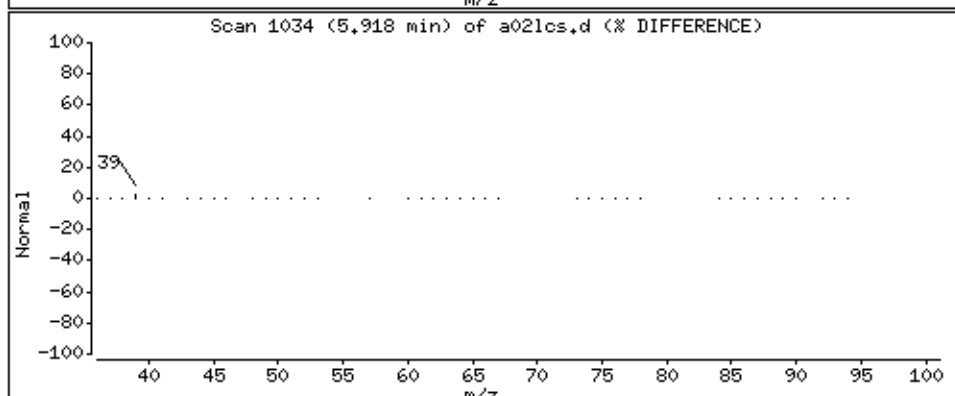
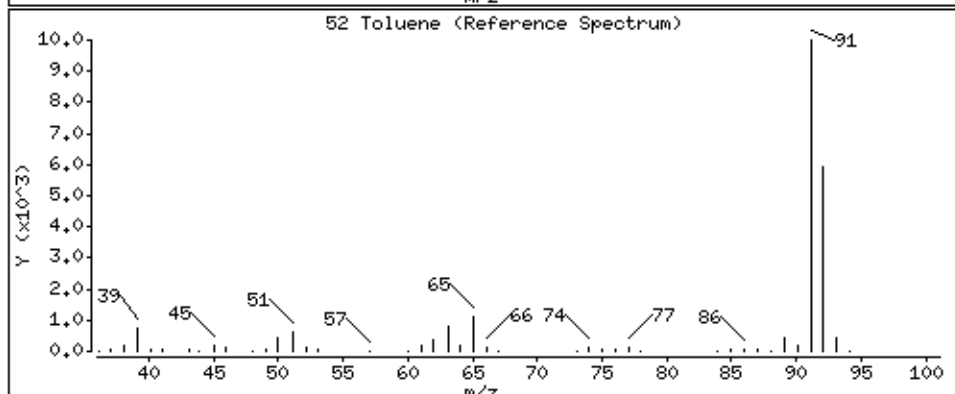
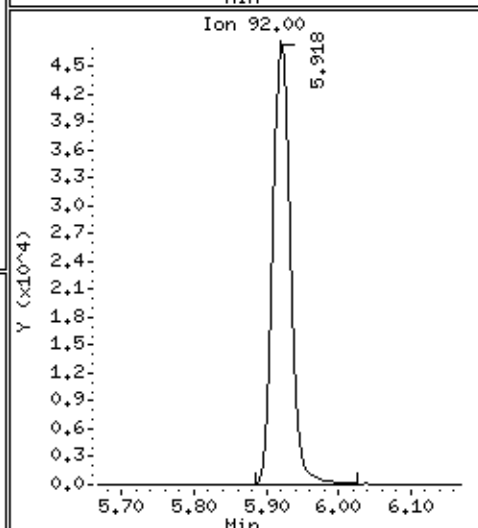
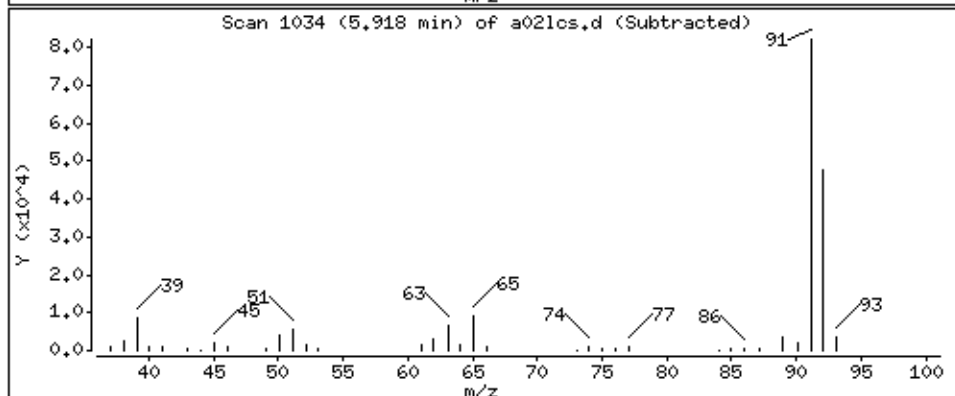
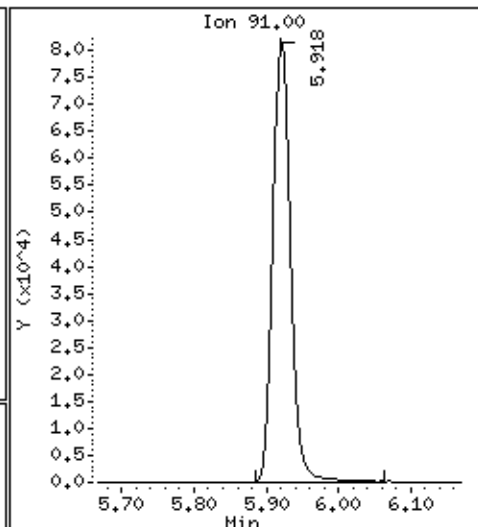
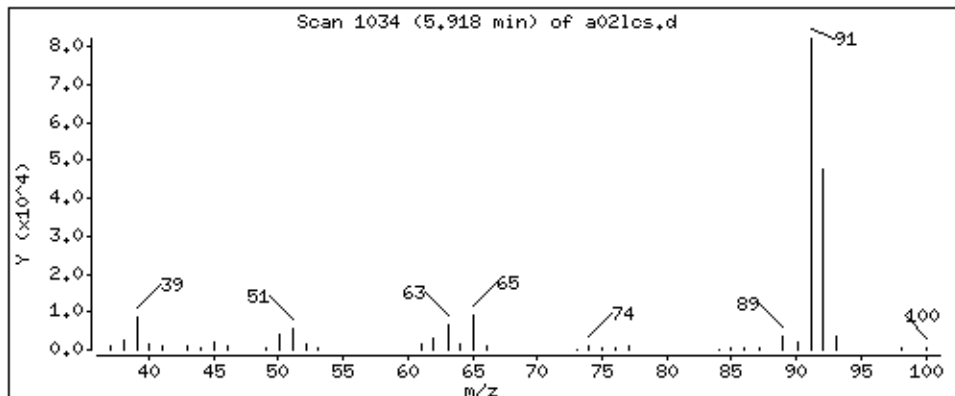
Operator: ala

Column phase: DB-624

Column diameter: 0,18

52 Toluene

Concentration: 44,4 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

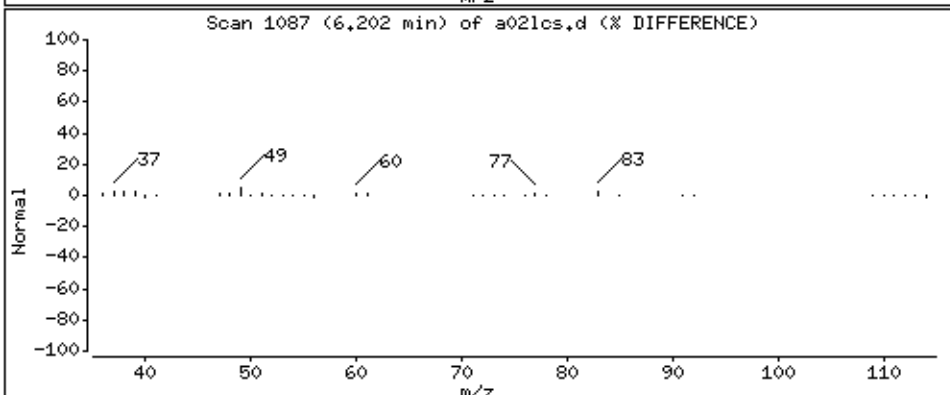
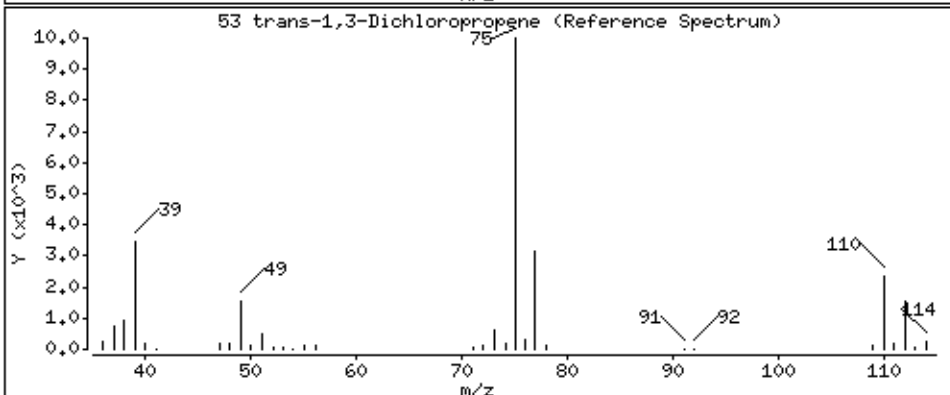
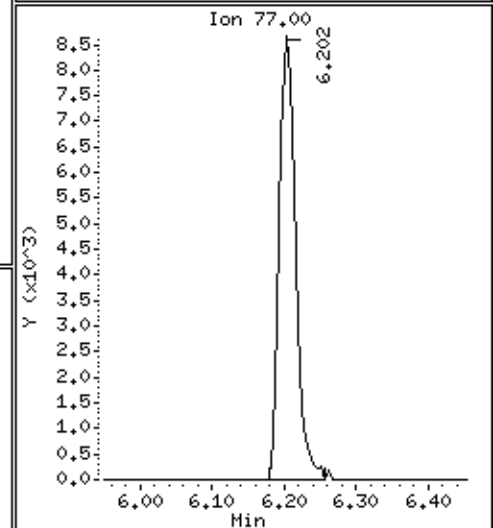
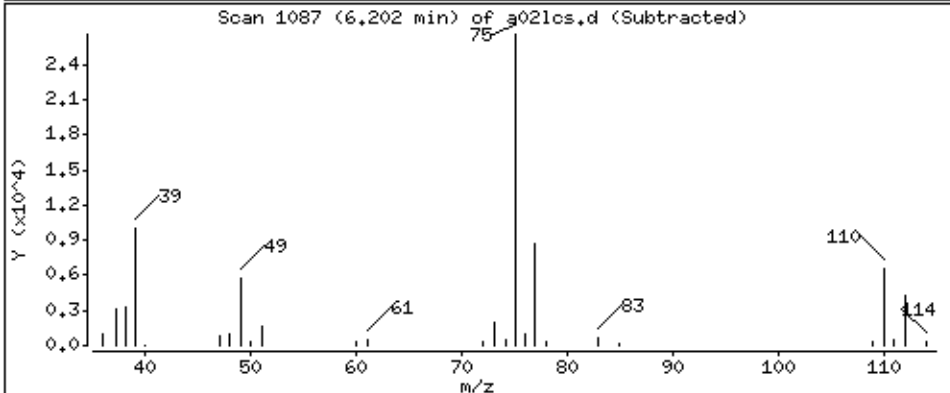
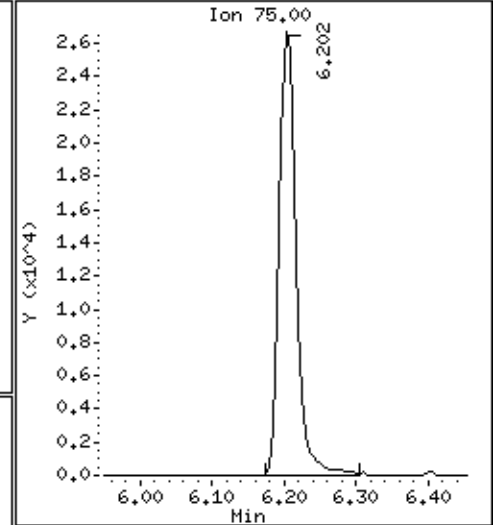
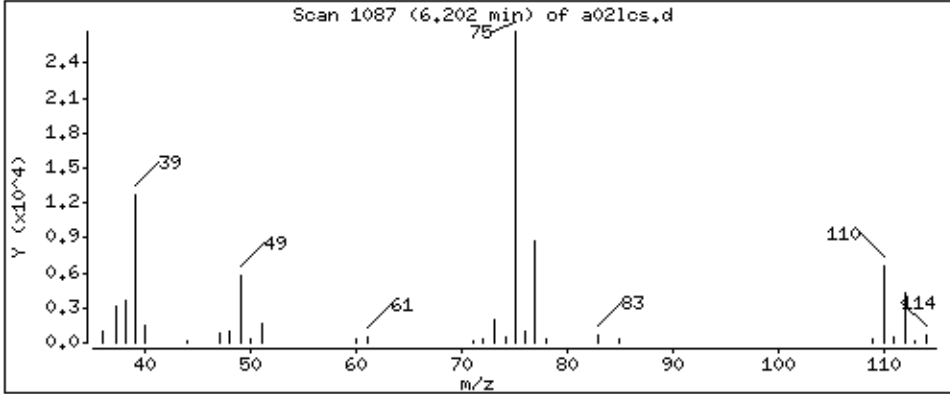
Operator: ala

Column phase: DB-624

Column diameter: 0,18

53 trans-1,3-Dichloropropene

Concentration: 40,0 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

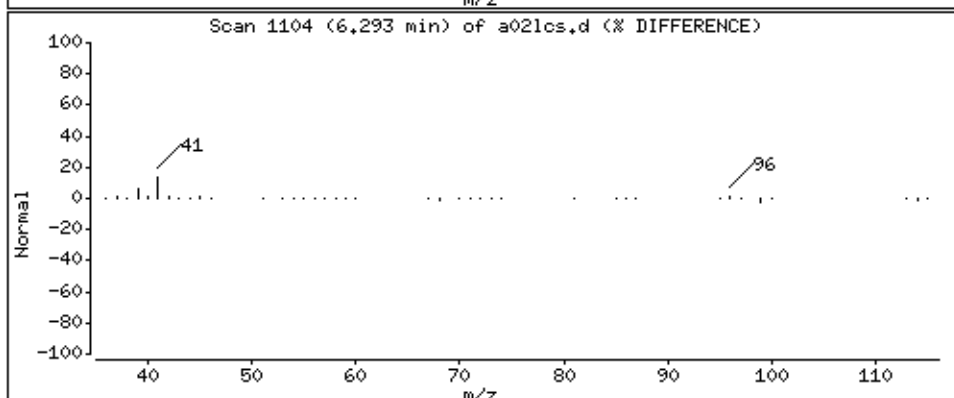
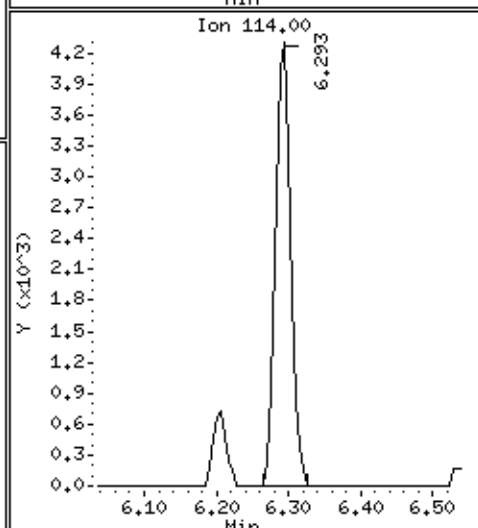
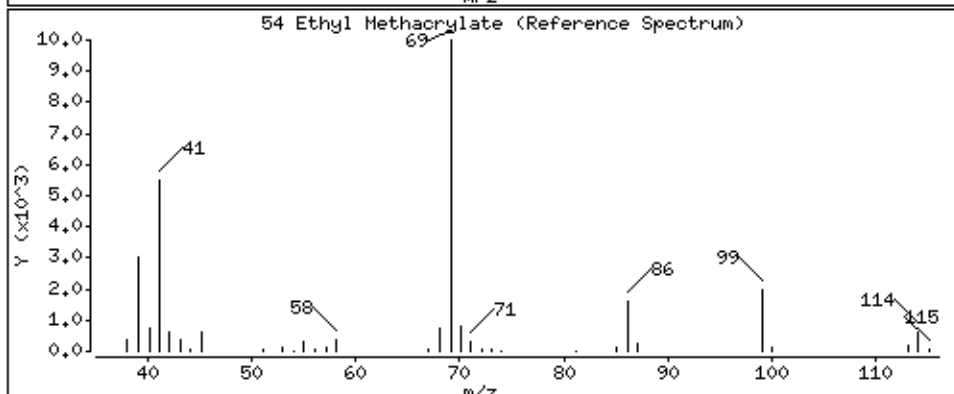
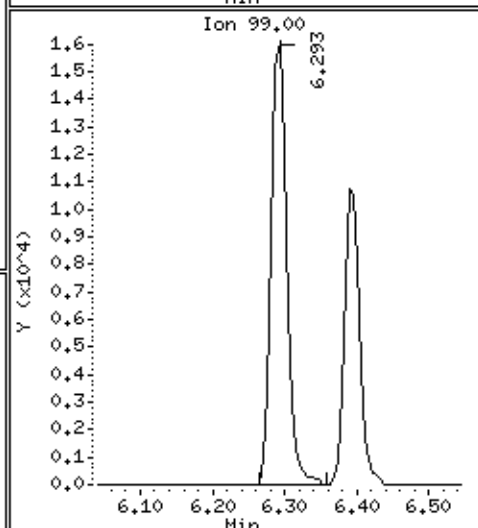
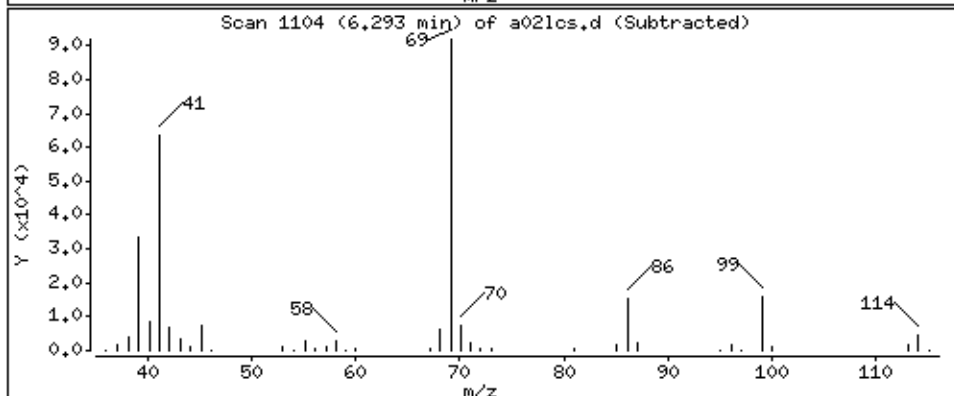
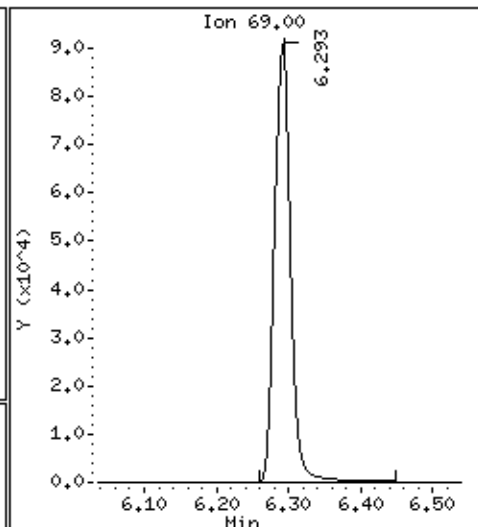
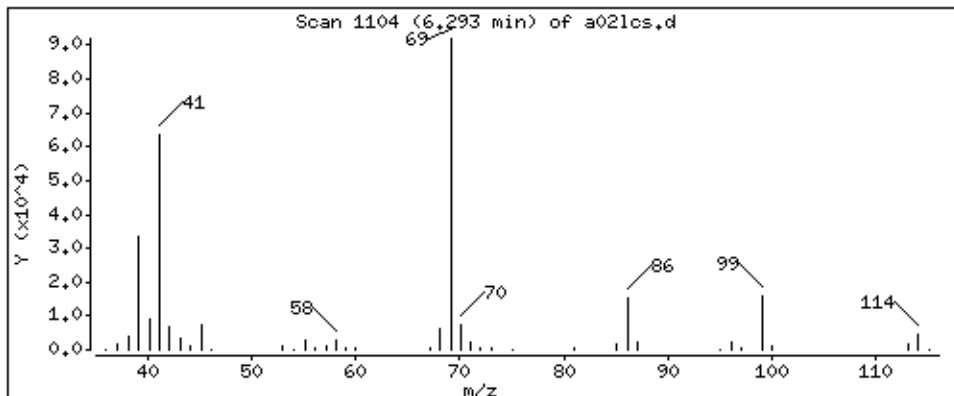
Operator: ala

Column phase: DB-624

Column diameter: 0,18

54 Ethyl Methacrylate

Concentration: 166 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

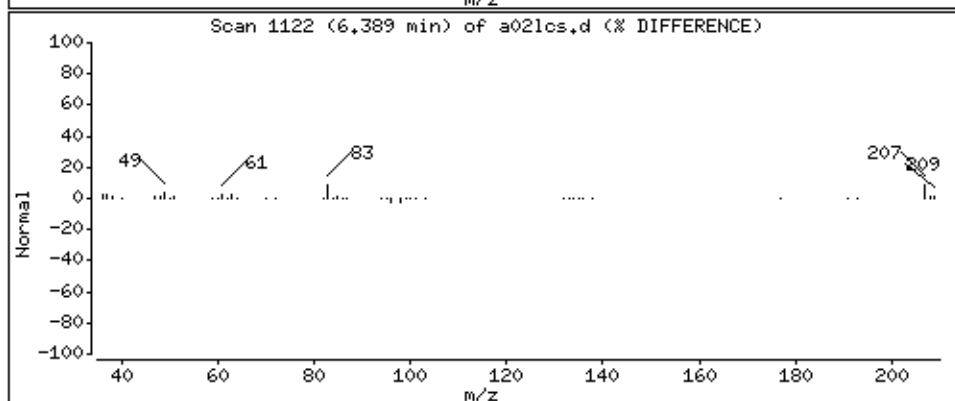
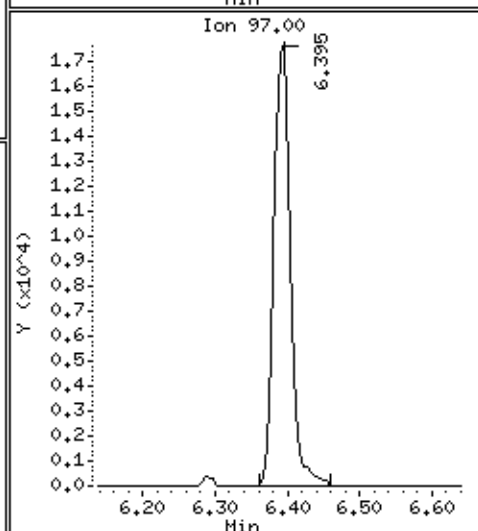
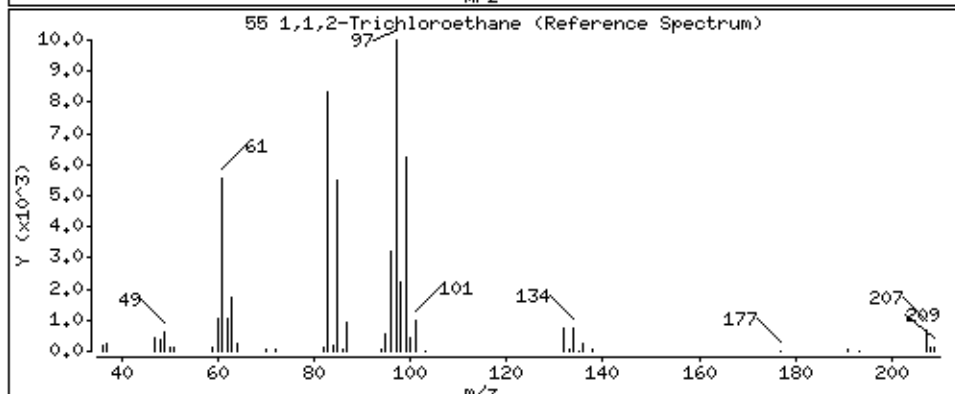
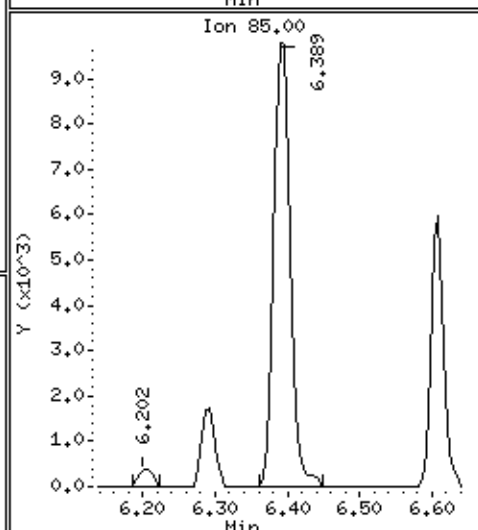
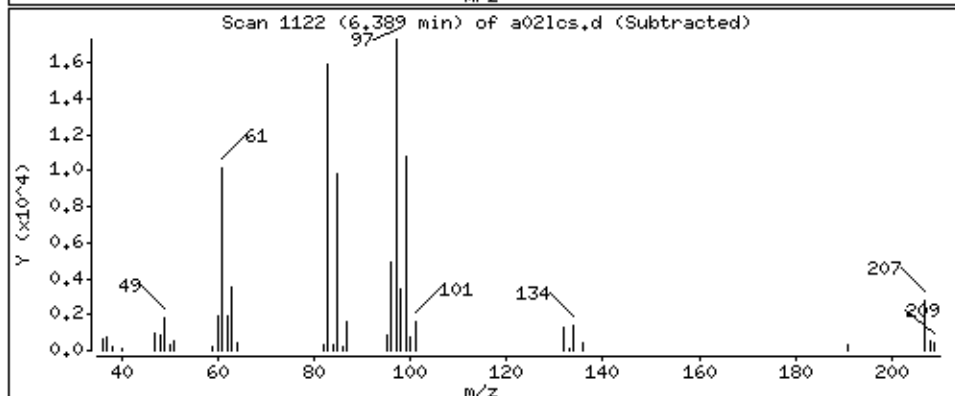
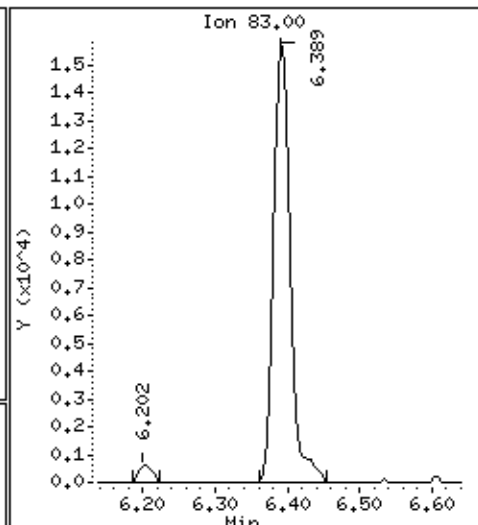
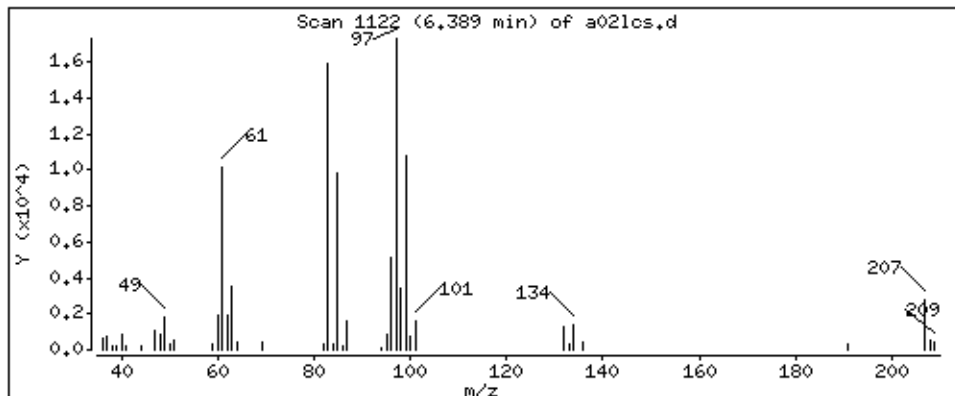
Operator: ala

Column phase: DB-624

Column diameter: 0,18

55 1,1,2-Trichloroethane

Concentration: 47,8 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730;5

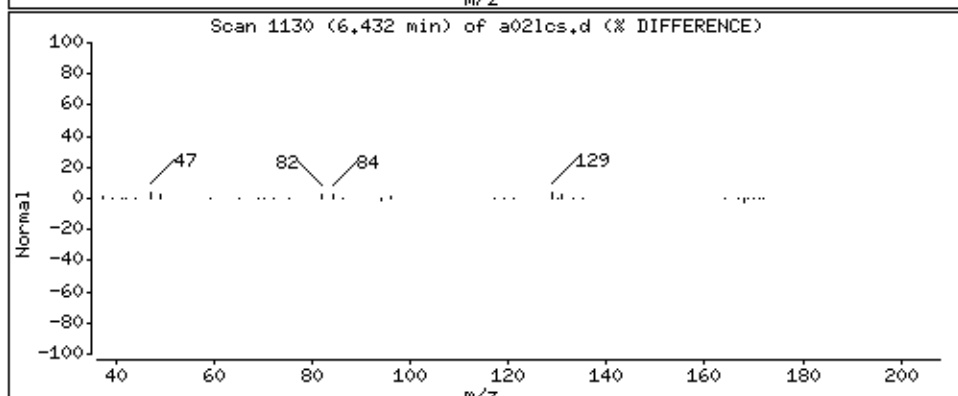
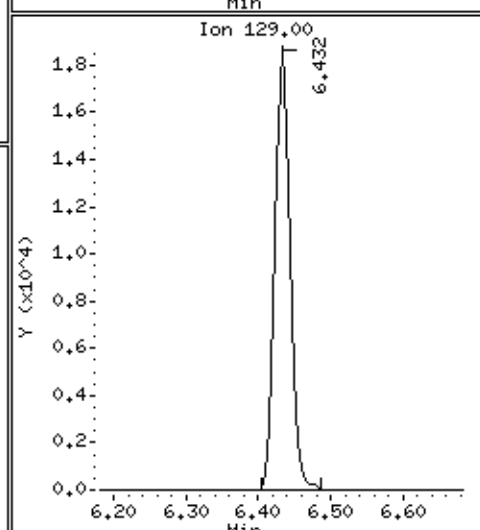
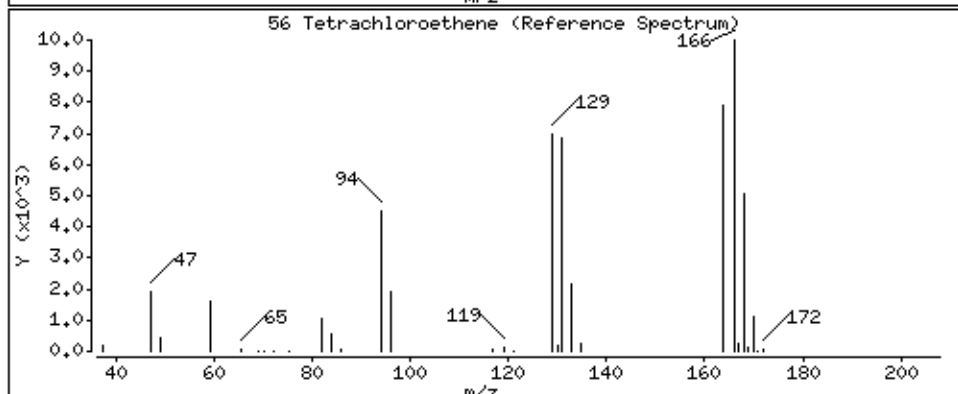
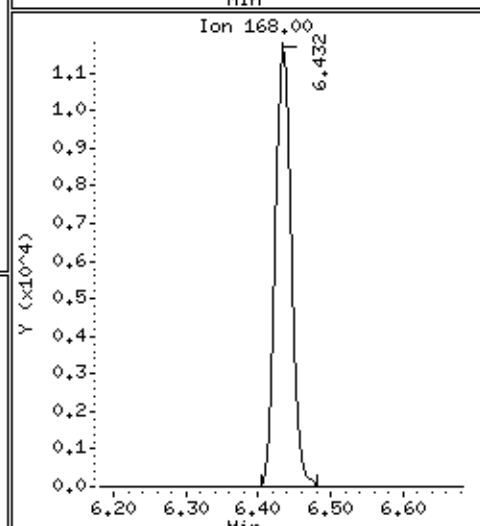
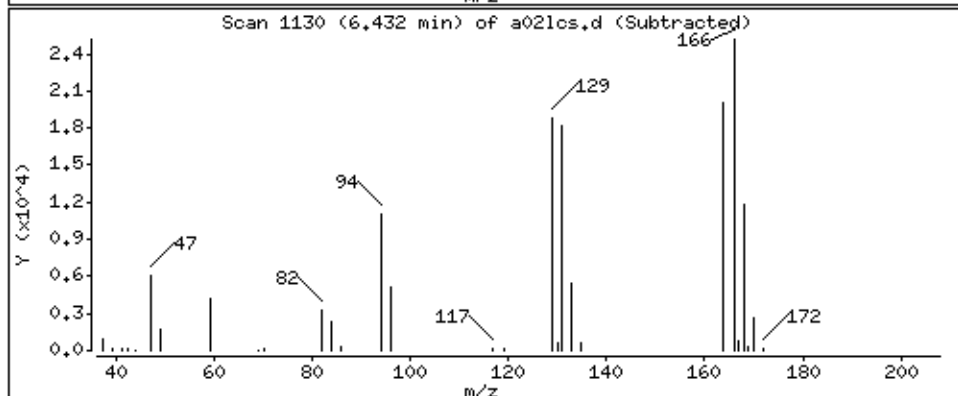
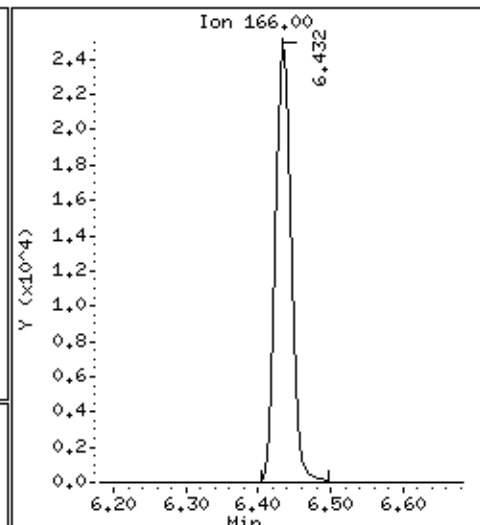
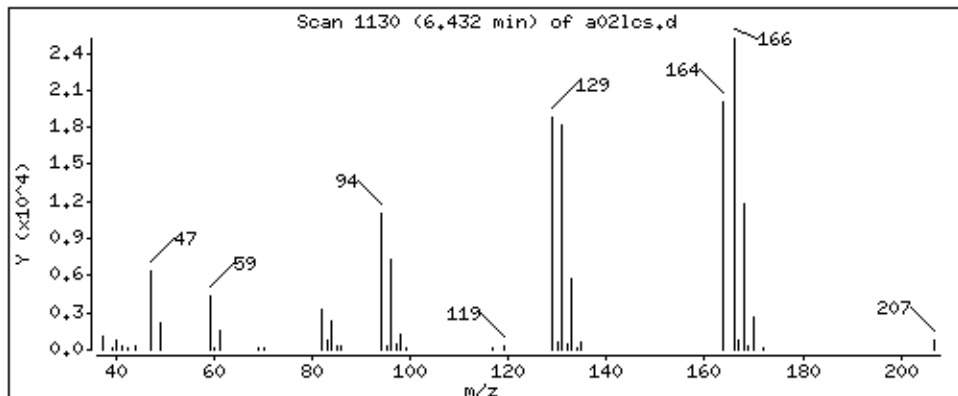
Operator: ala

Column phase: DB-624

Column diameter: 0,18

56 Tetrachloroethene

Concentration: 43.3 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

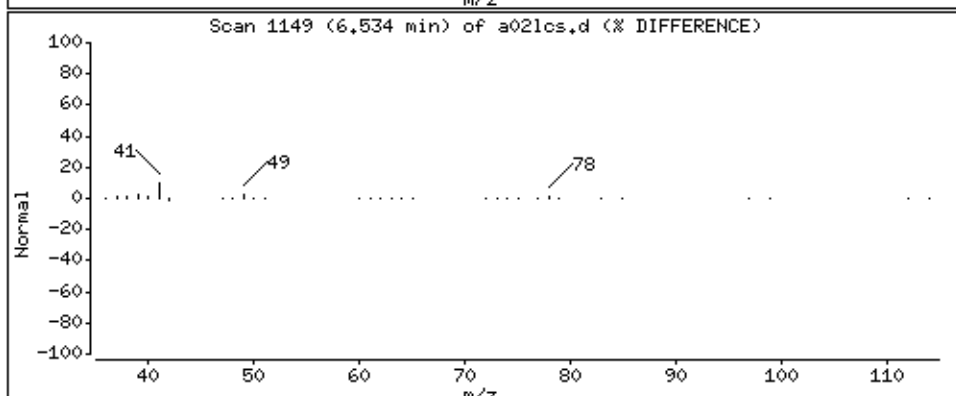
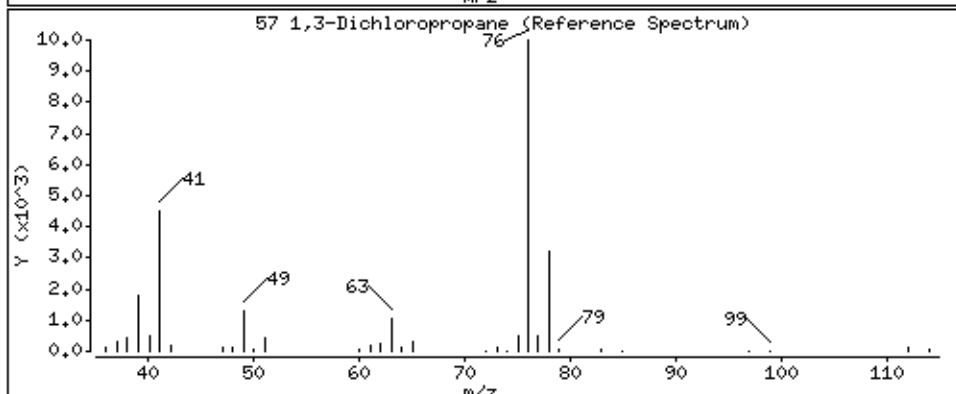
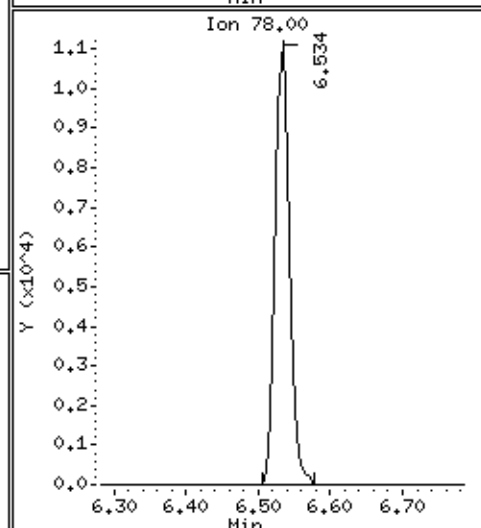
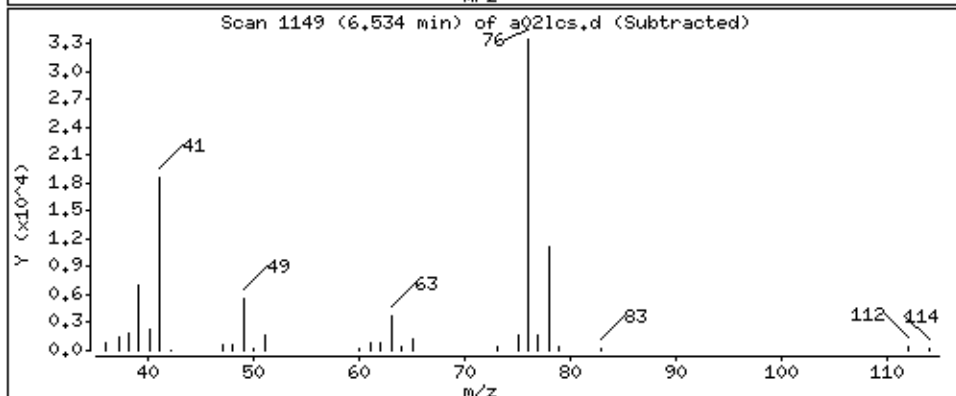
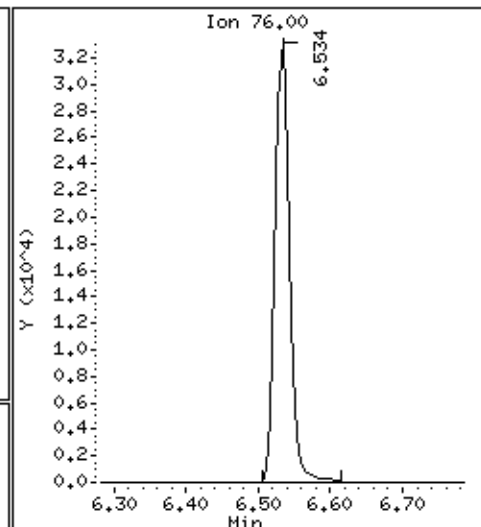
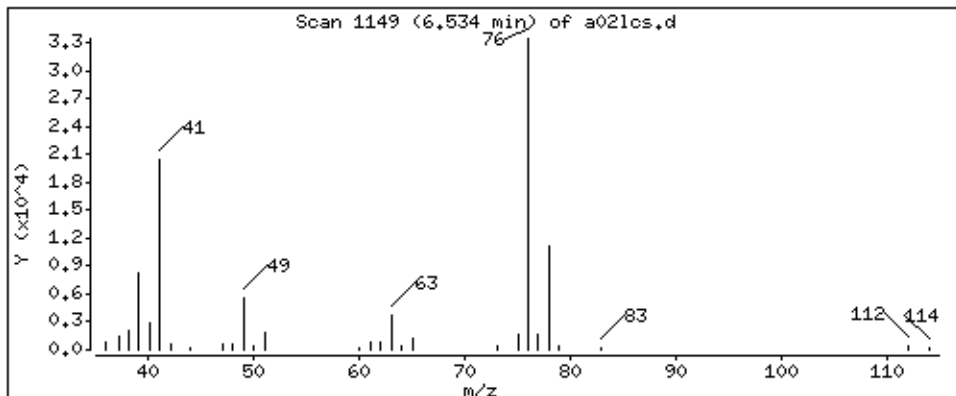
Operator: ala

Column phase: DB-624

Column diameter: 0,18

57 1,3-Dichloropropane

Concentration: 48,7 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

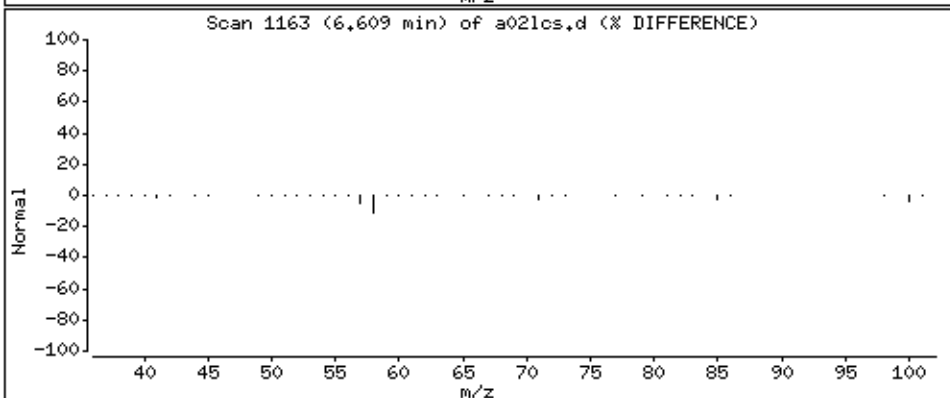
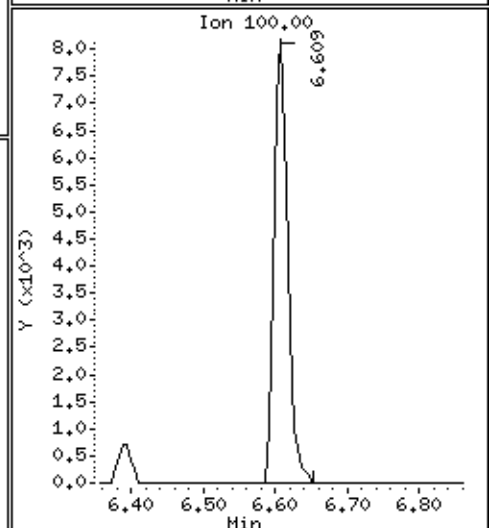
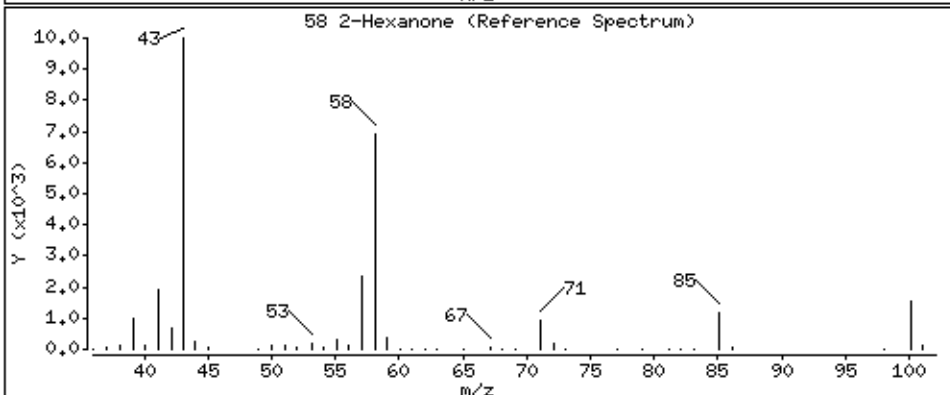
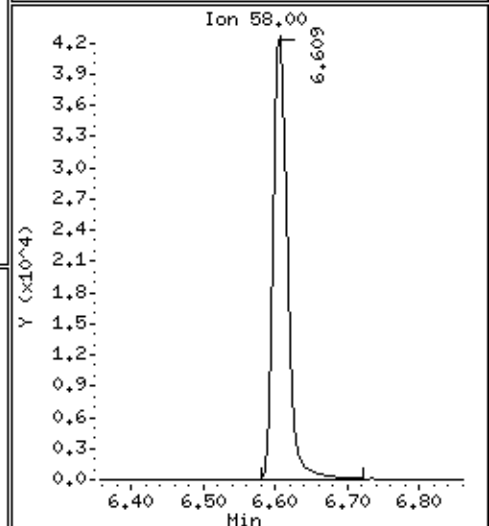
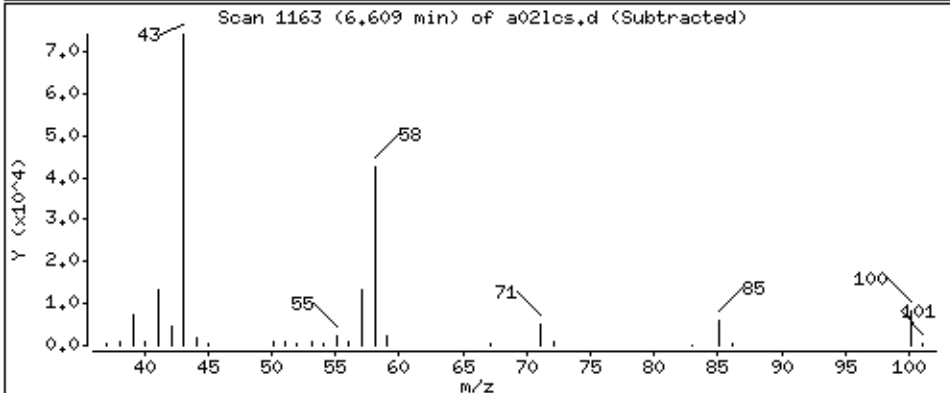
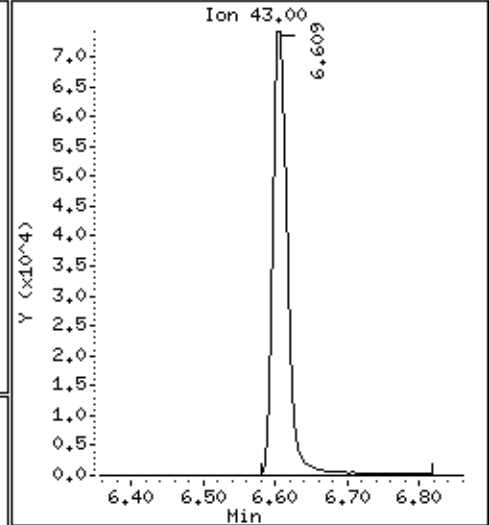
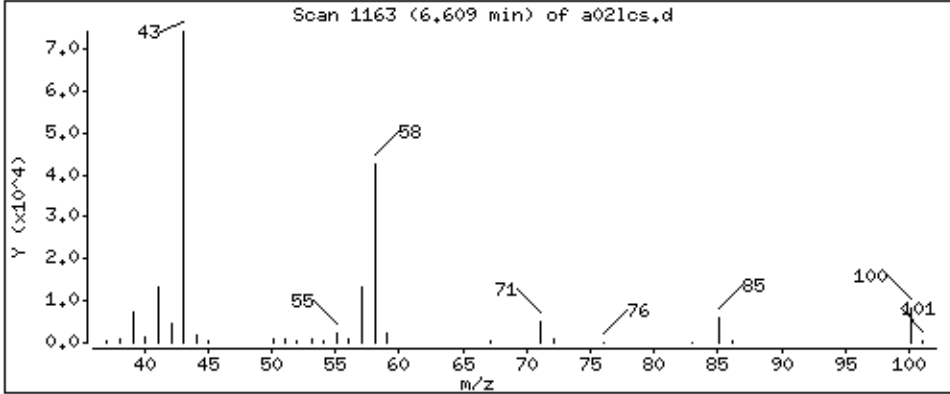
Operator: ala

Column phase: DB-624

Column diameter: 0,18

58 2-Hexanone

Concentration: 246 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

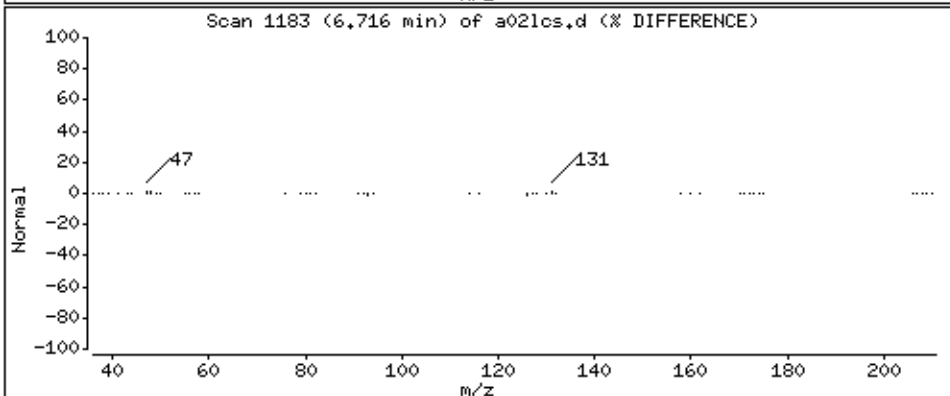
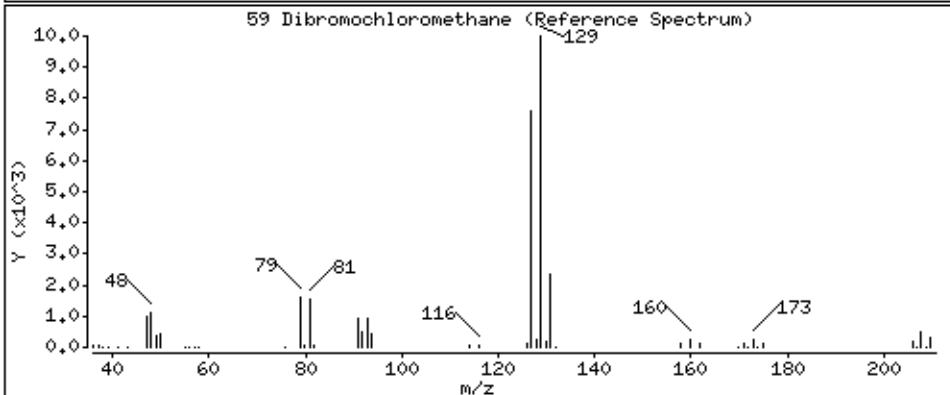
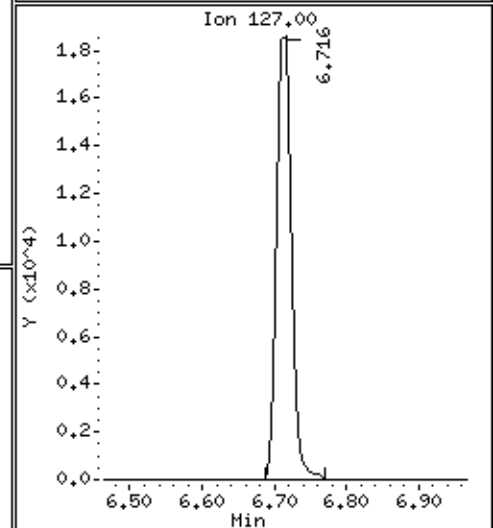
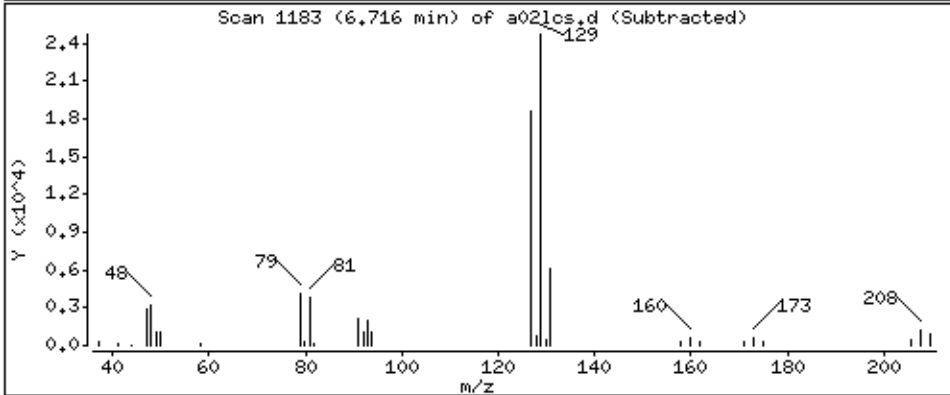
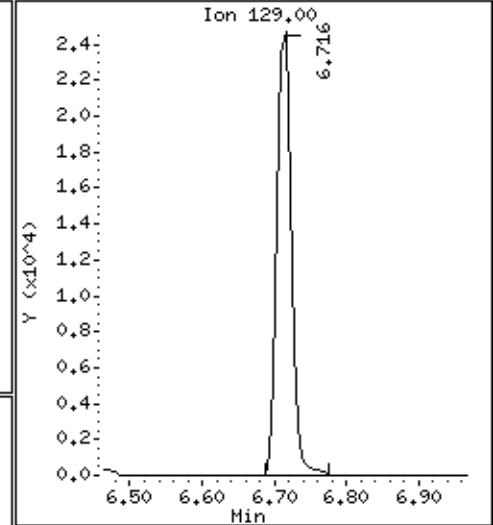
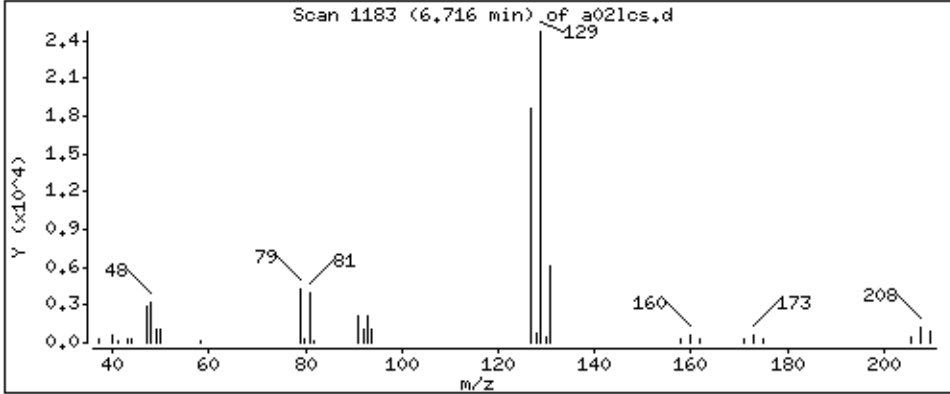
Operator: ala

Column phase: DB-624

Column diameter: 0,18

59 Dibromochloromethane

Concentration: 46,0 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

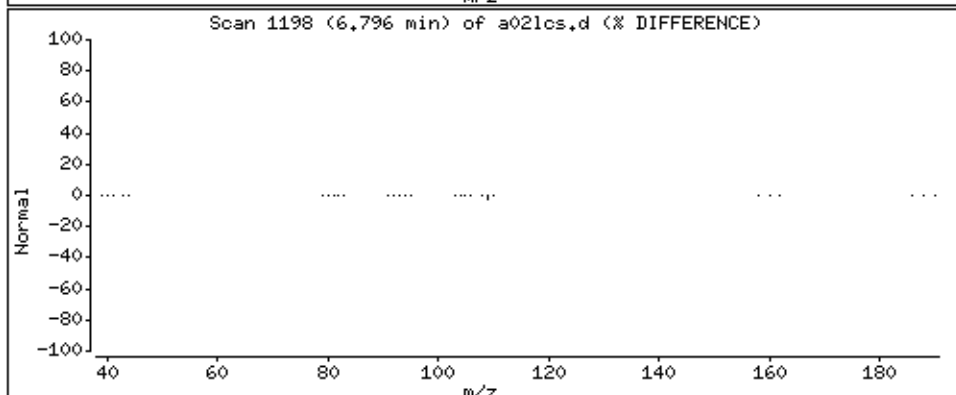
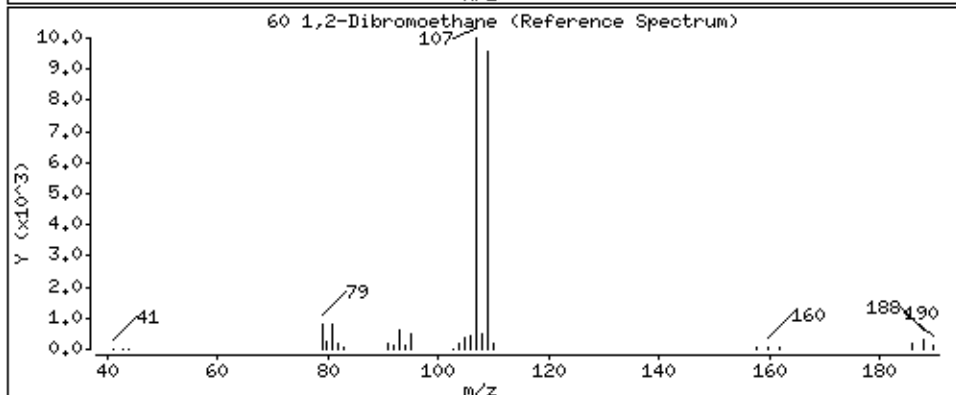
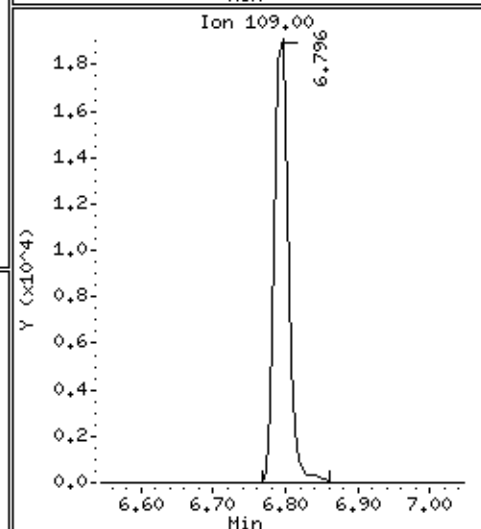
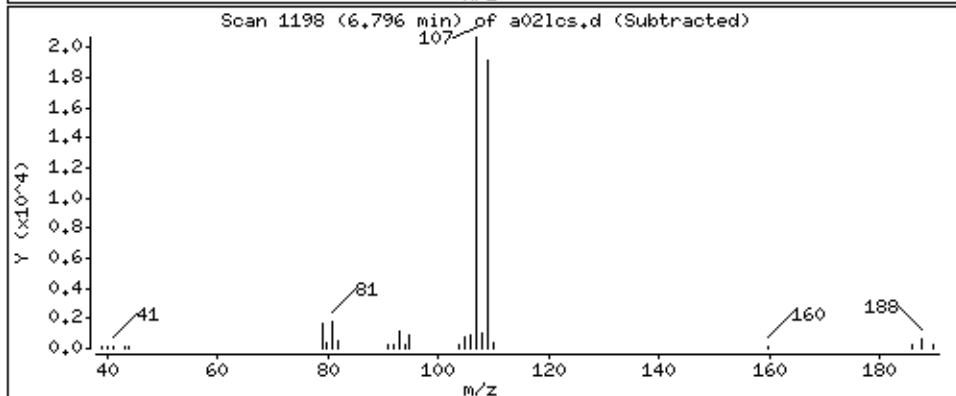
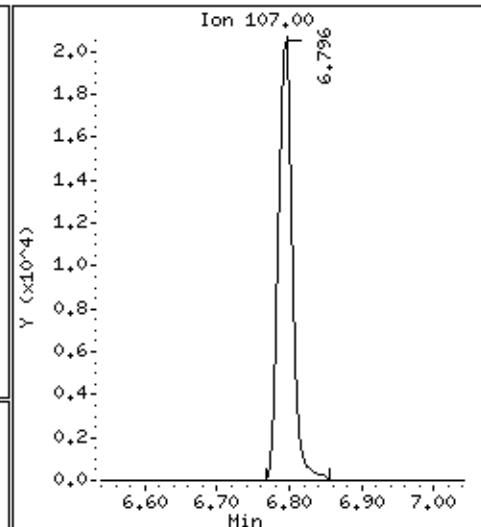
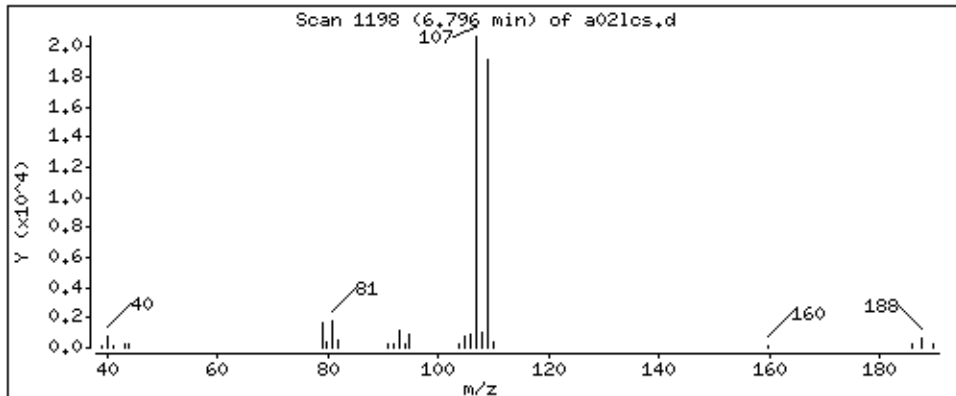
Operator: ala

Column phase: DB-624

Column diameter: 0,18

60 1,2-Dibromoethane

Concentration: 40,7 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

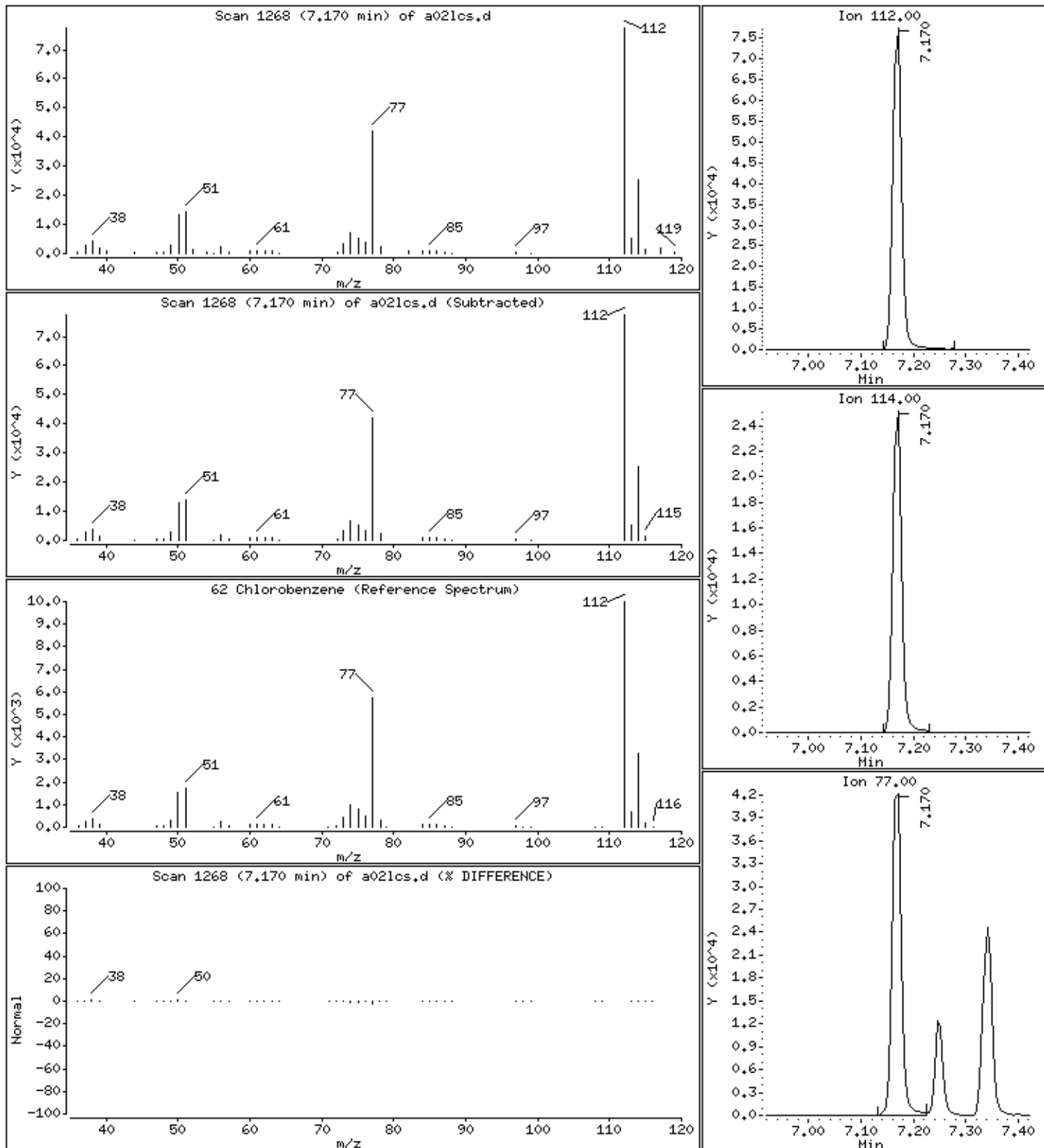
Operator: ala

Column phase: DB-624

Column diameter: 0,18

62 Chlorobenzene

Concentration: 44,7 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730;5

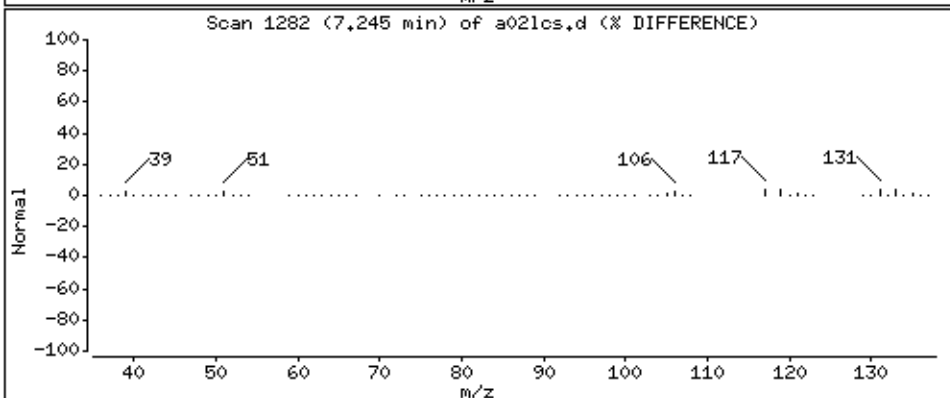
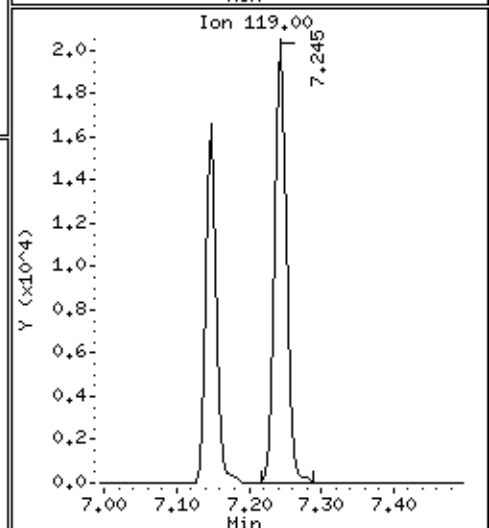
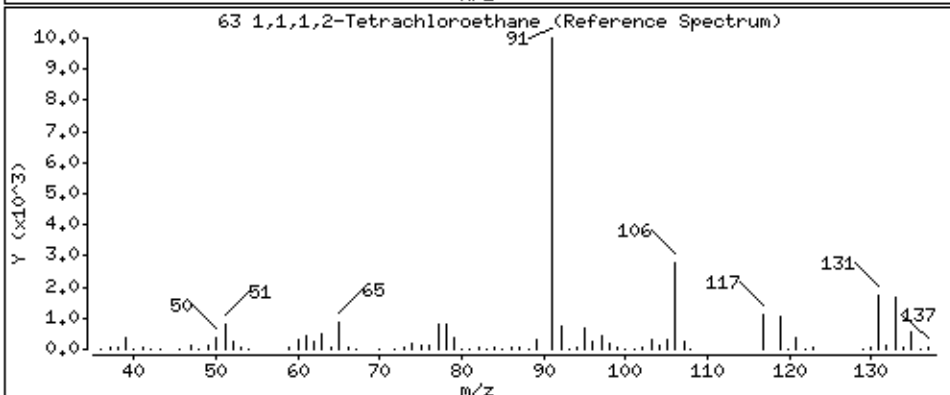
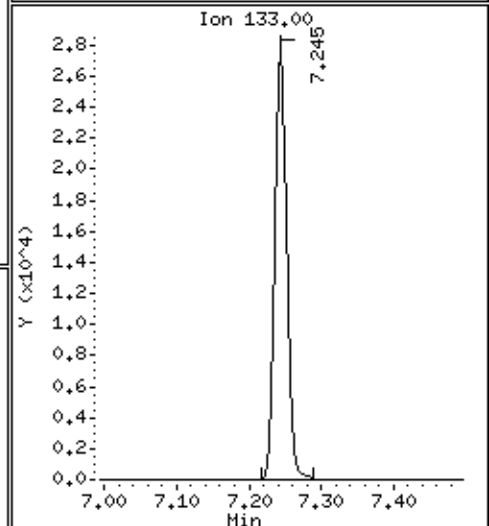
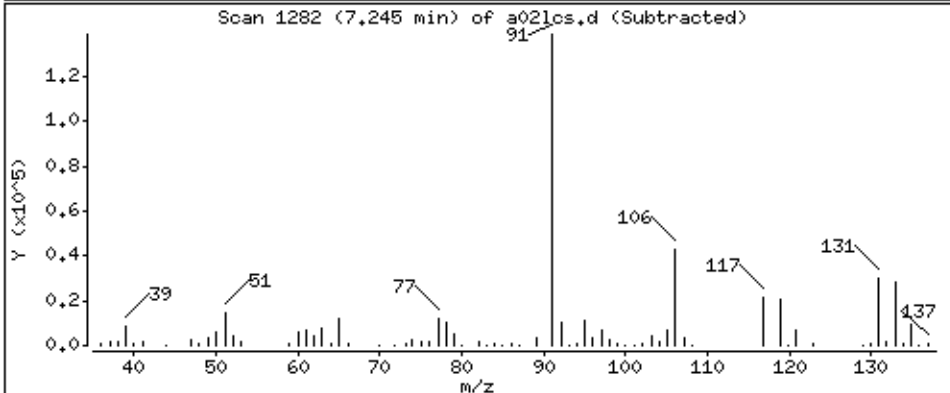
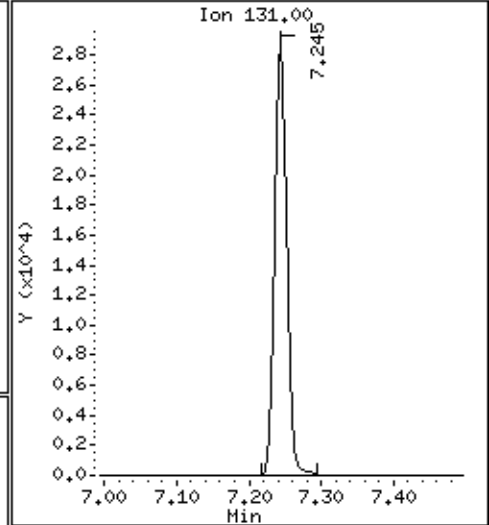
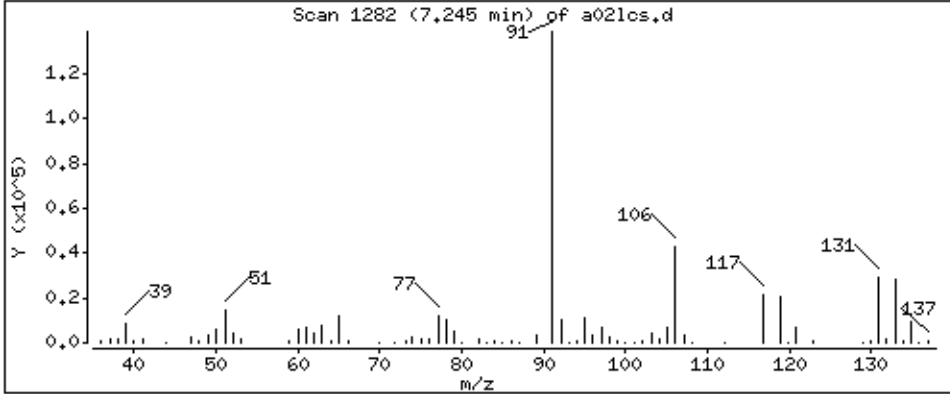
Operator: ala

Column phase: DB-624

Column diameter: 0,18

63 1,1,1,2-Tetrachloroethane

Concentration: 46,1 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730;5

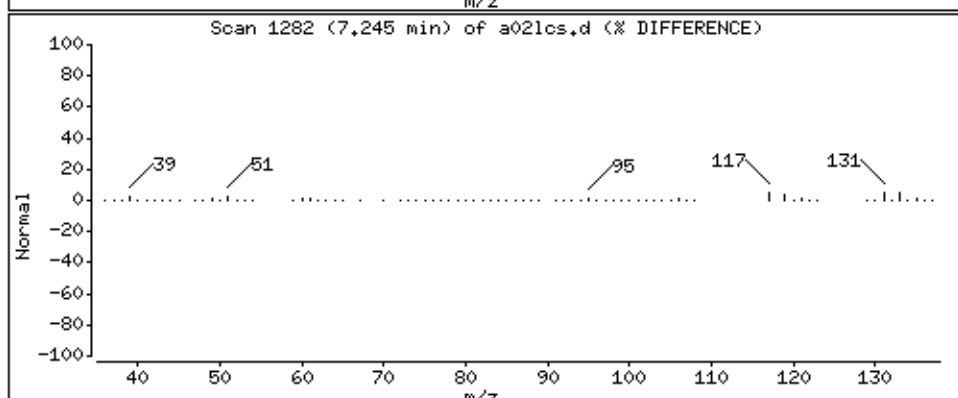
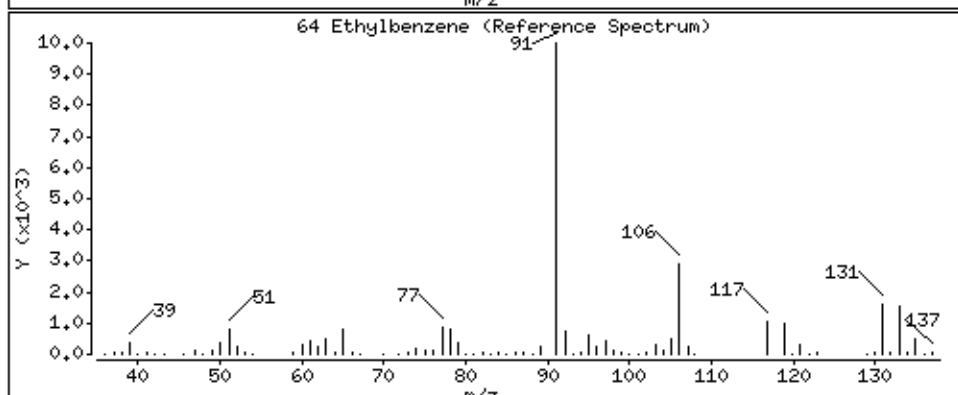
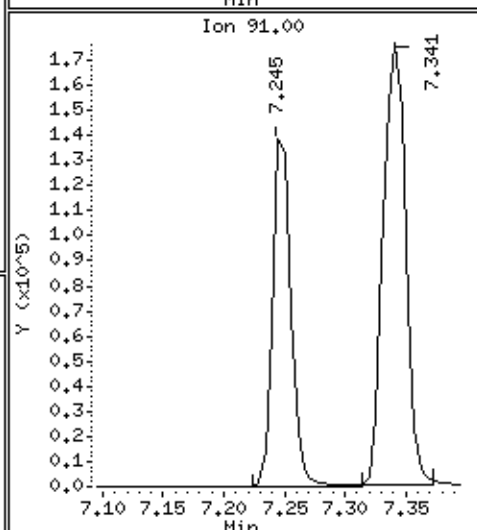
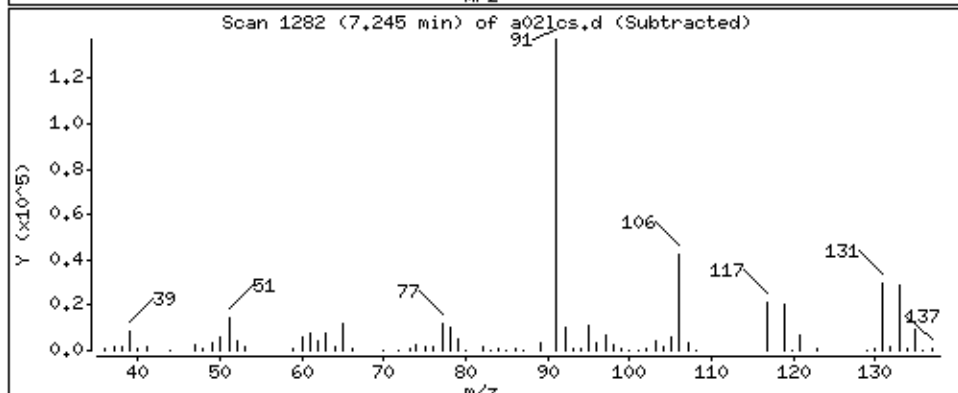
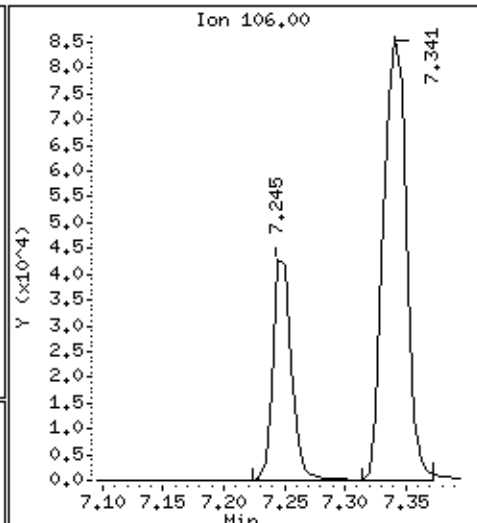
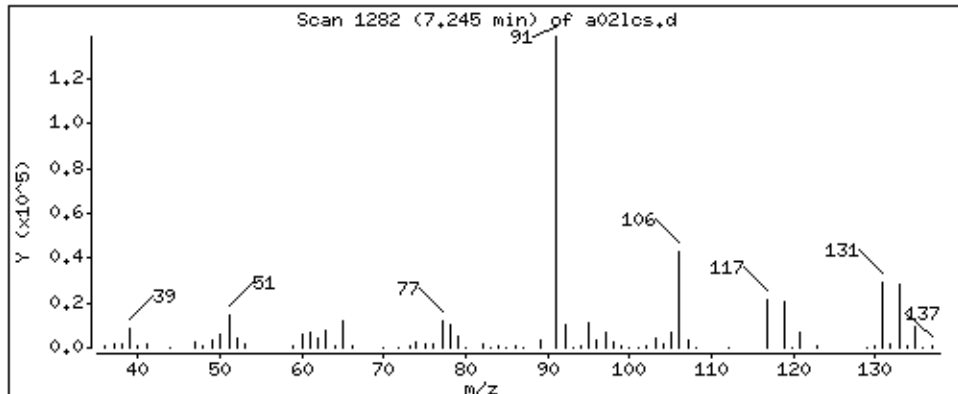
Operator: ala

Column phase: DB-624

Column diameter: 0,18

64 Ethylbenzene

Concentration: 45,7 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

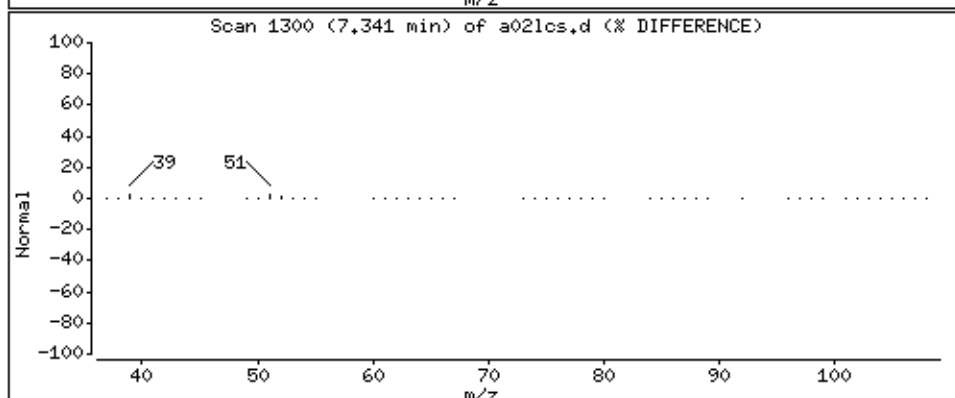
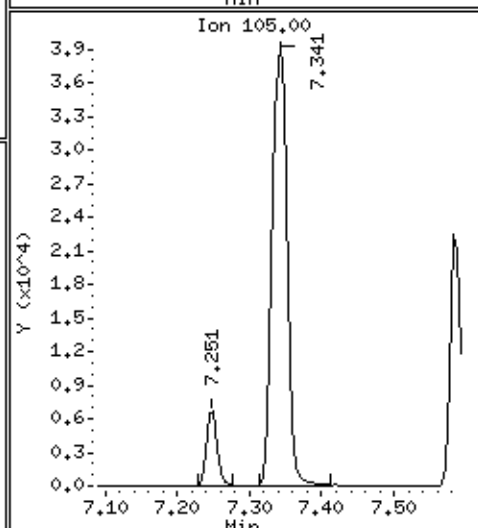
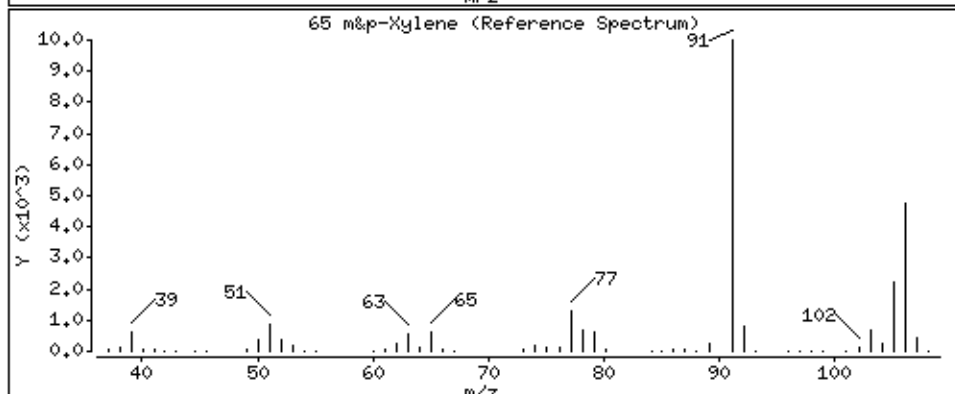
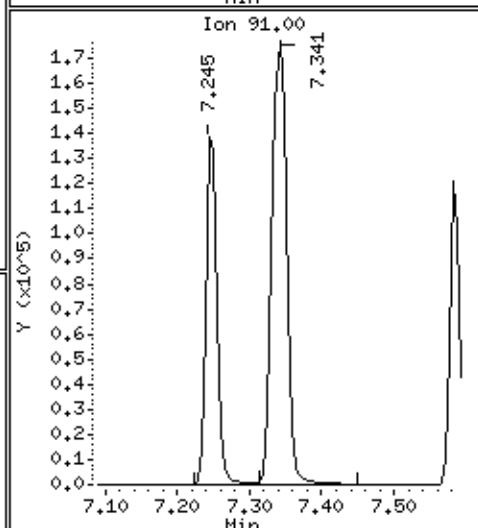
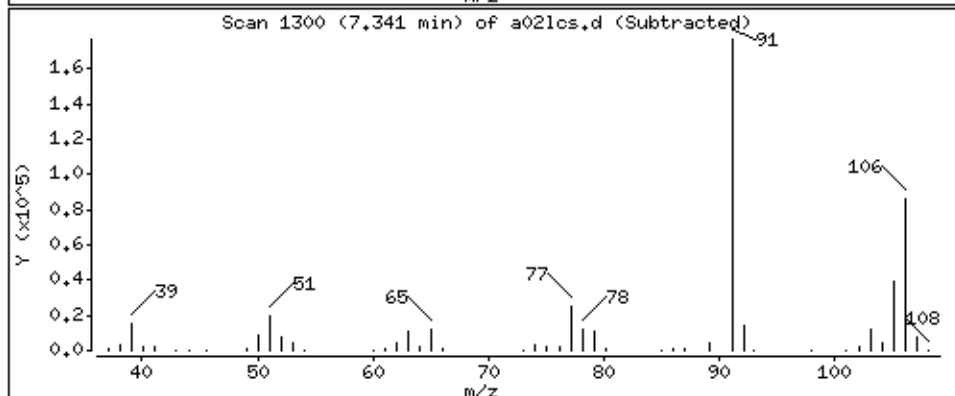
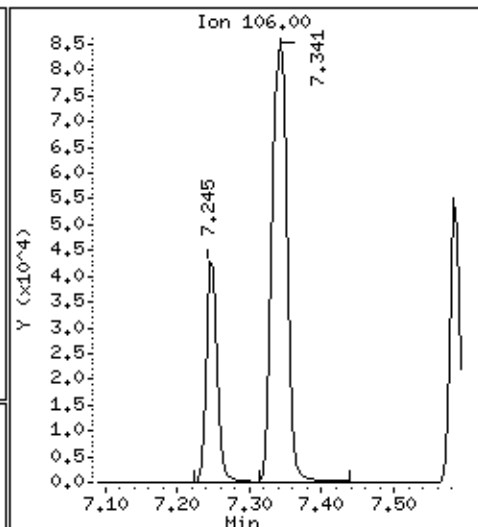
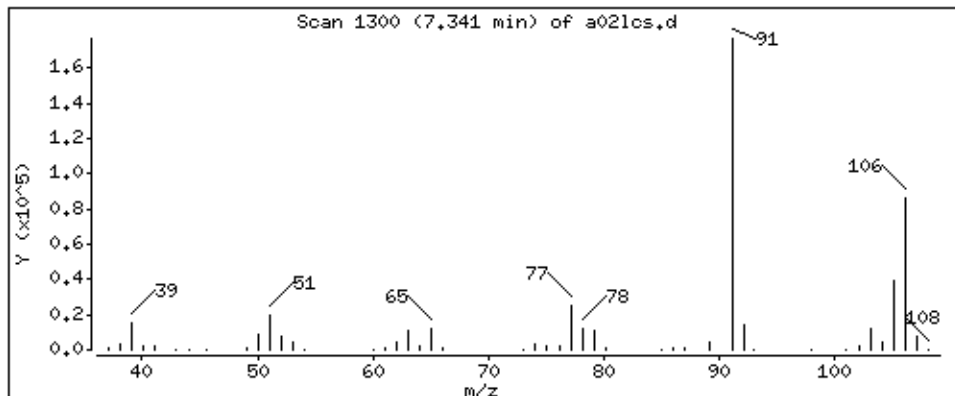
Operator: ala

Column phase: DB-624

Column diameter: 0,18

65 m&p-Xylene

Concentration: 93,0 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

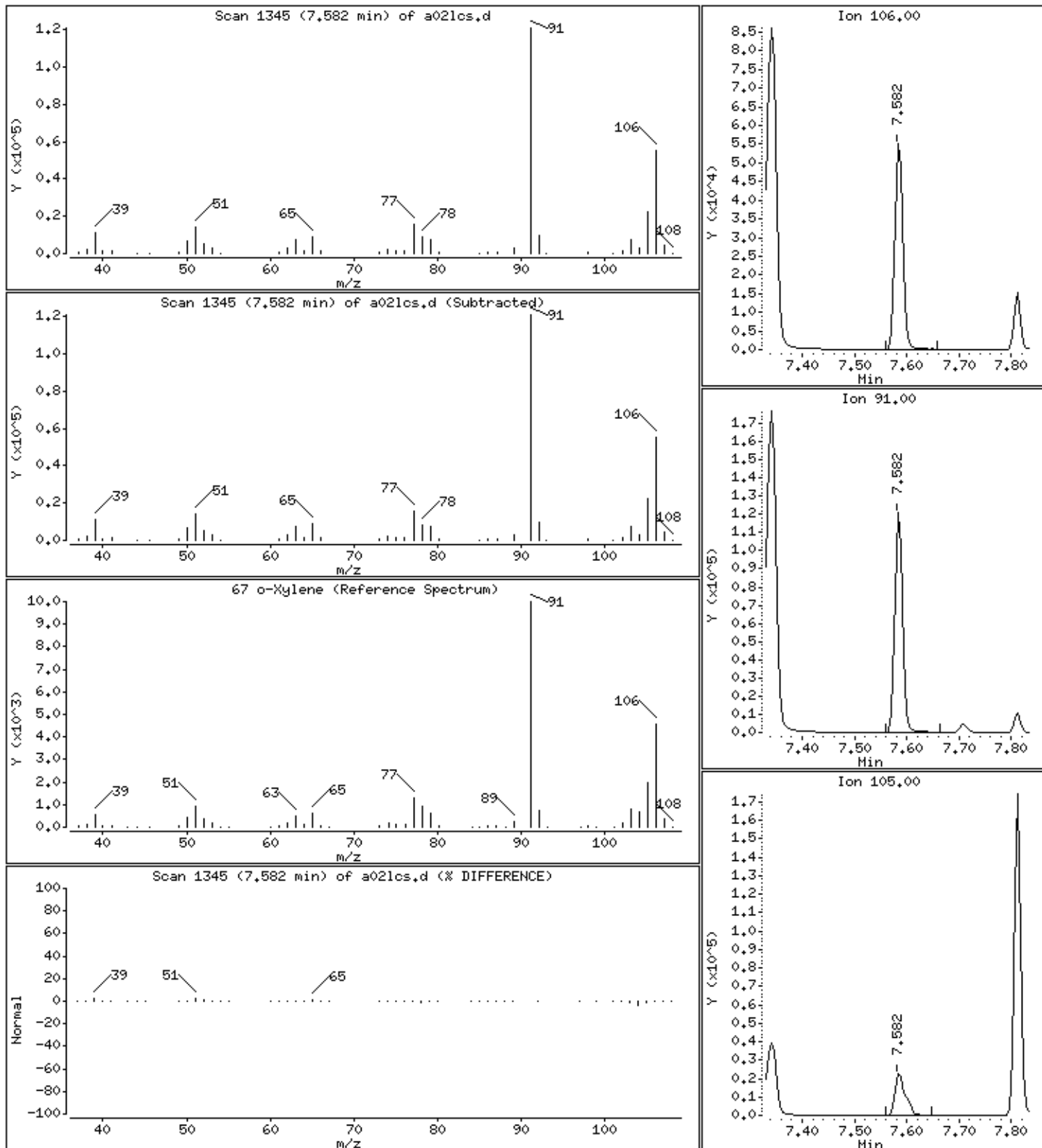
Operator: ala

Column phase: DB-624

Column diameter: 0,18

67 o-Xylene

Concentration: 48,2 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

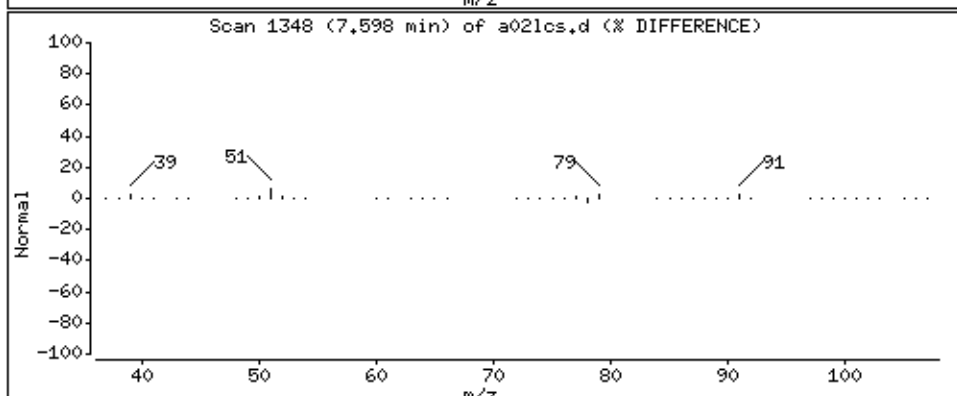
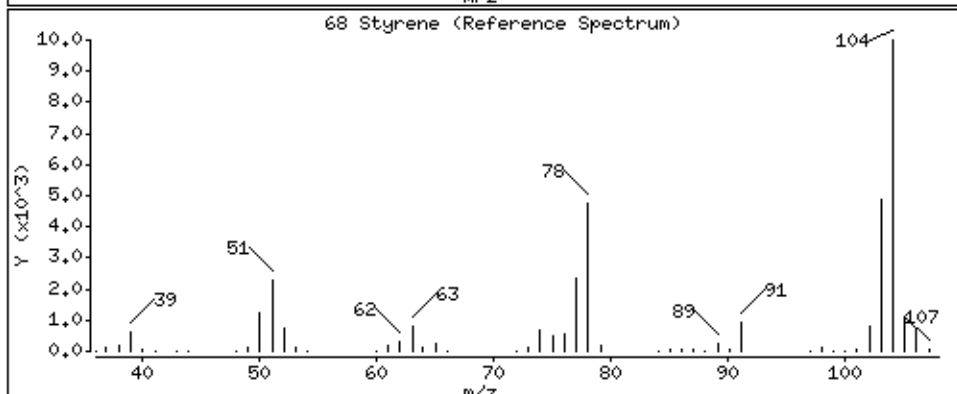
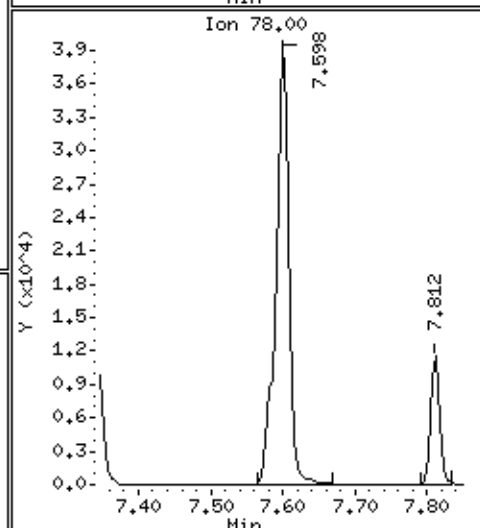
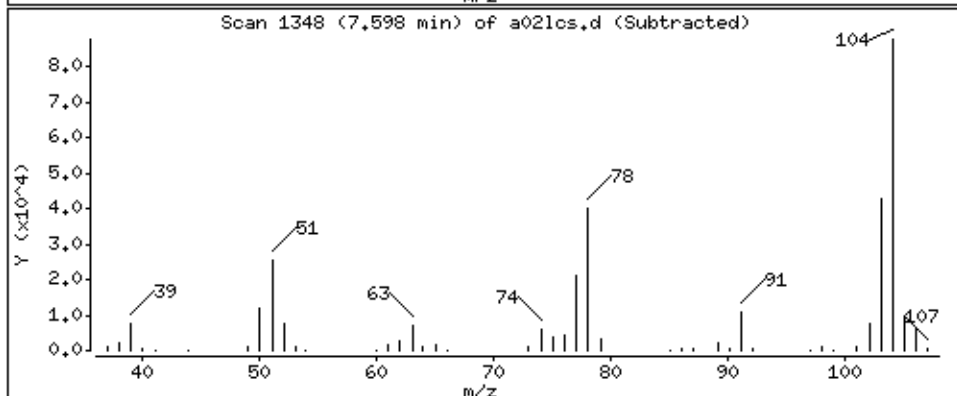
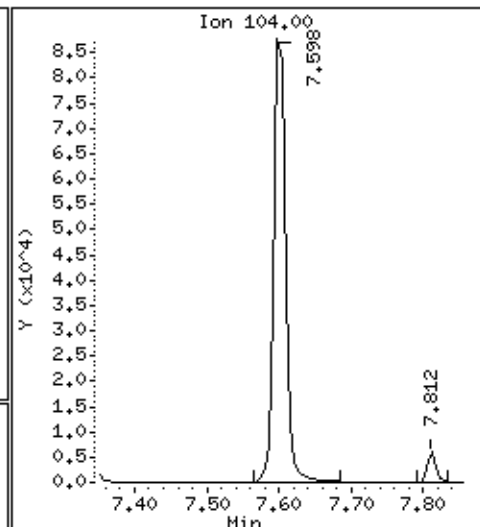
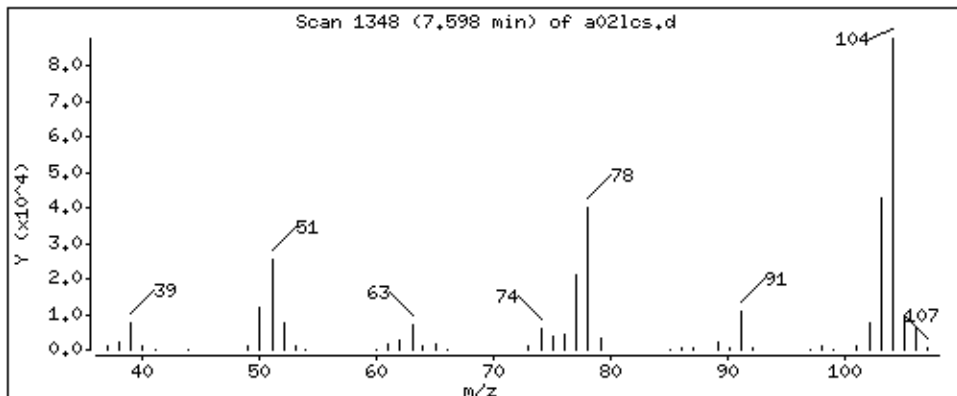
Operator: ala

Column phase: DB-624

Column diameter: 0,18

68 Styrene

Concentration: 46,8 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

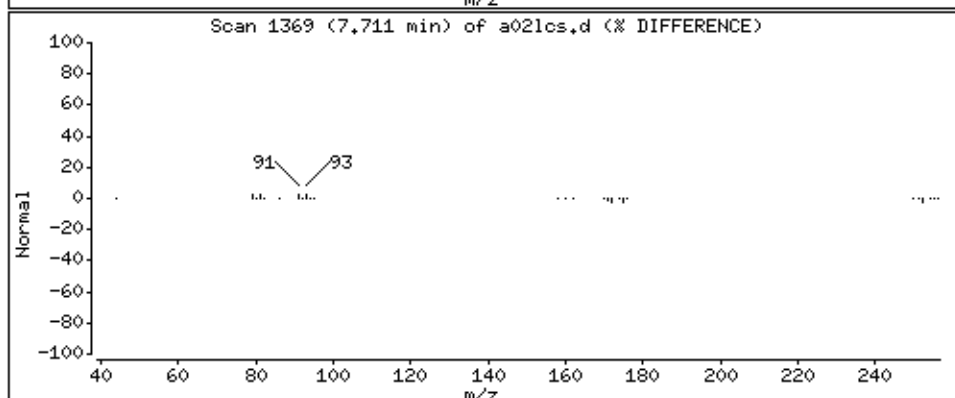
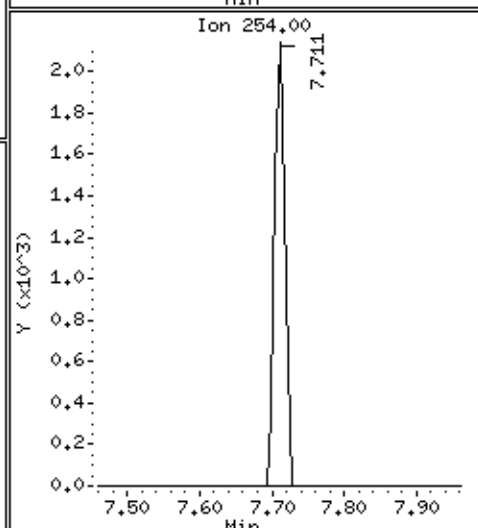
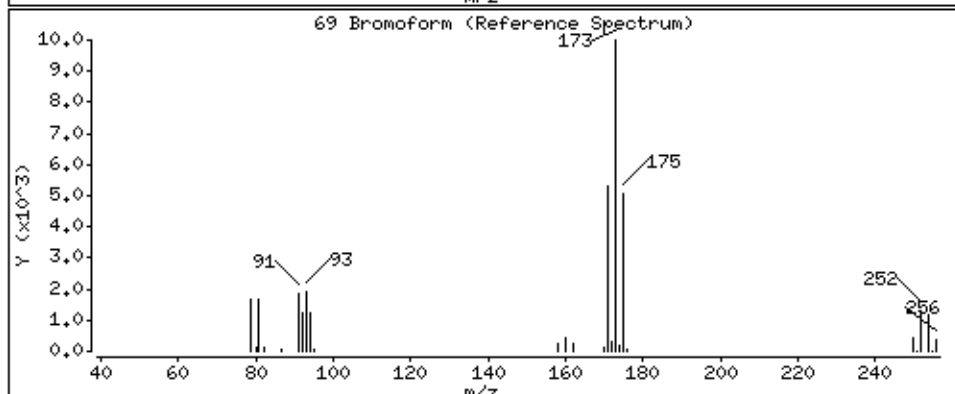
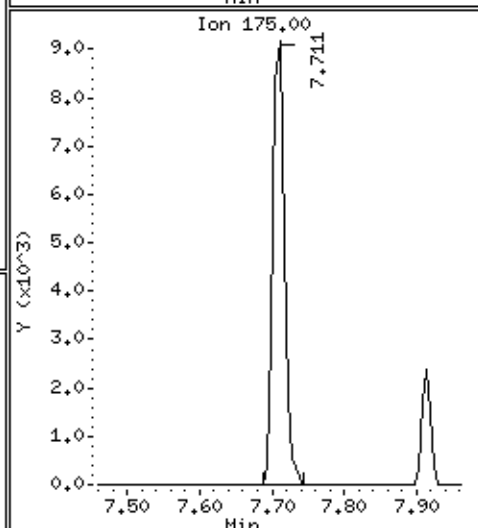
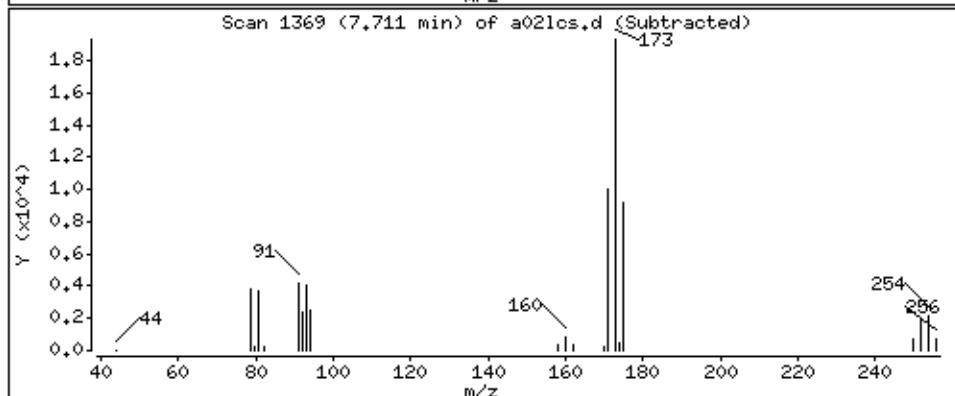
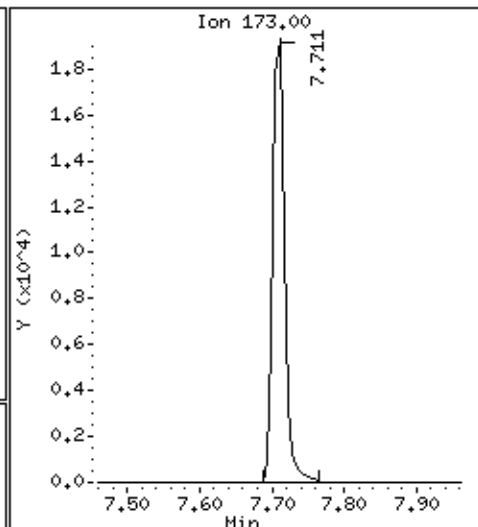
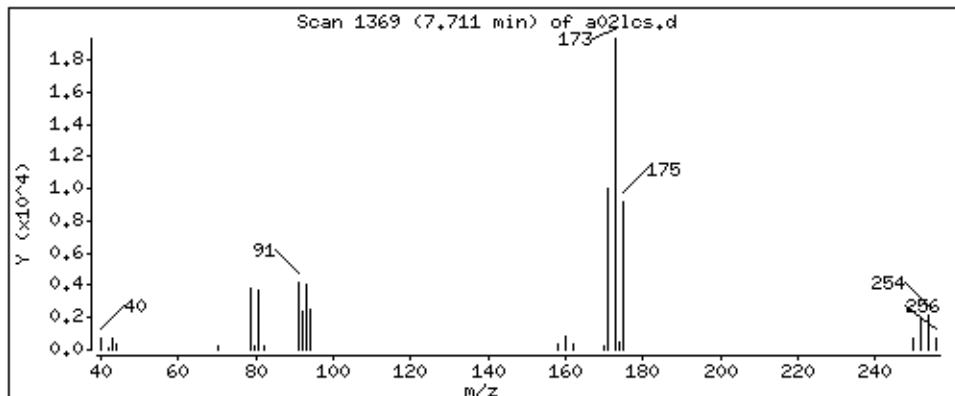
Operator: ala

Column phase: DB-624

Column diameter: 0,18

69 Bromoform

Concentration: 41.8 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

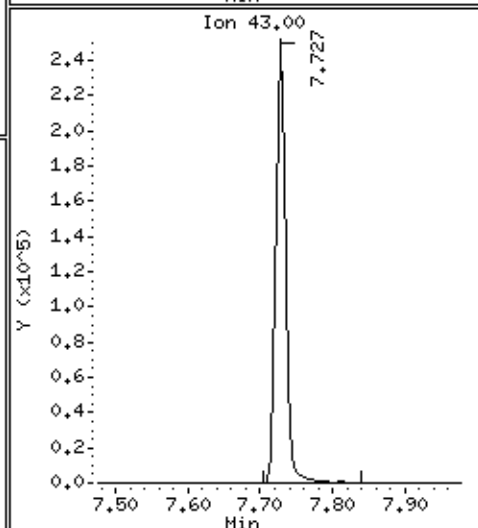
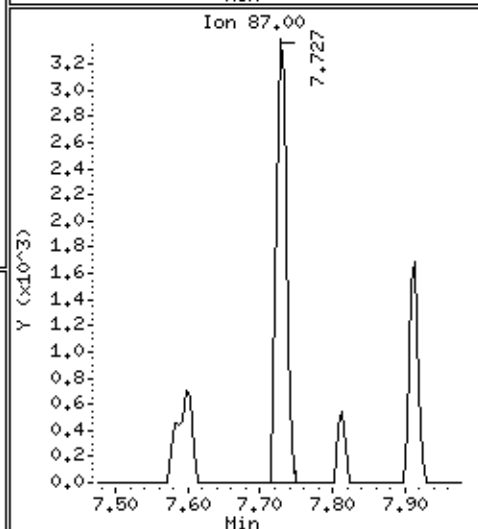
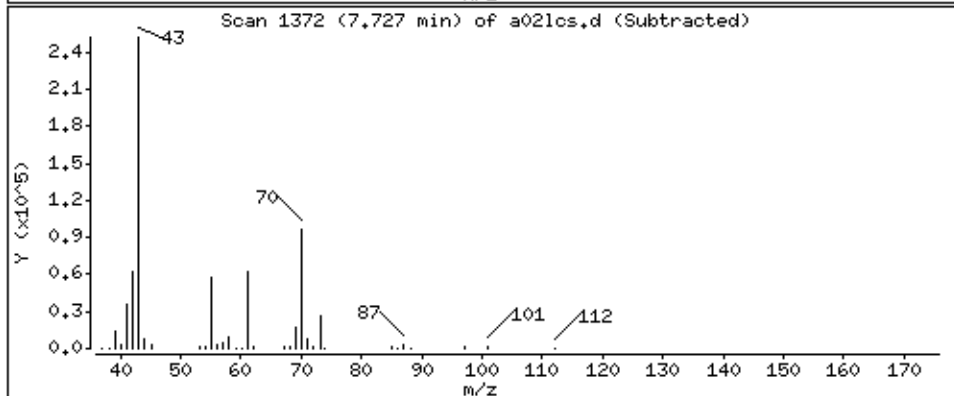
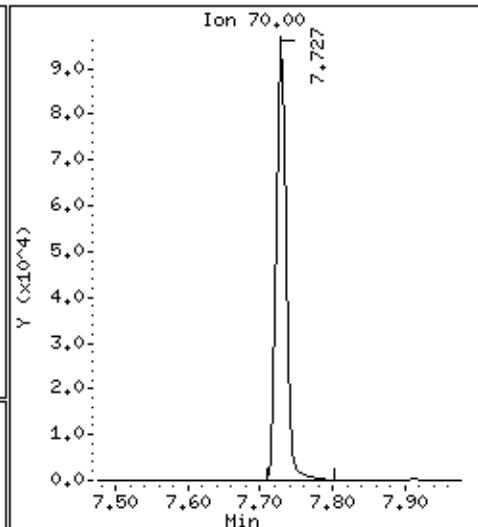
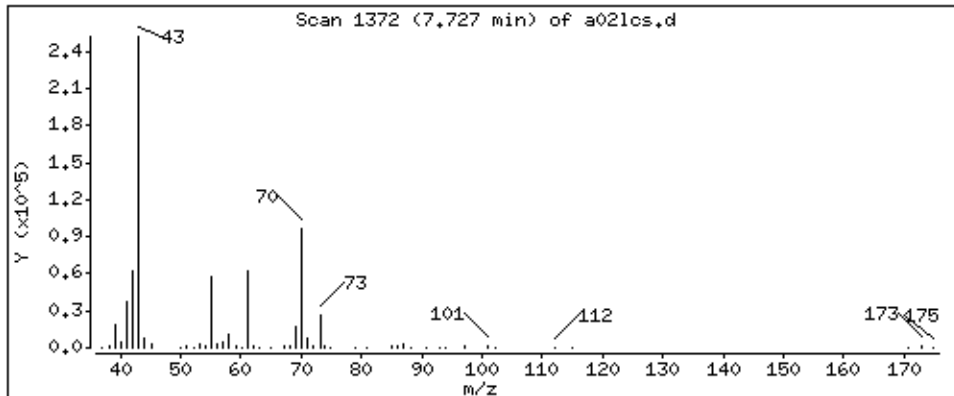
Operator: ala

Column phase: DB-624

Column diameter: 0,18

146 n-nyl acetate

Concentration: 210 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

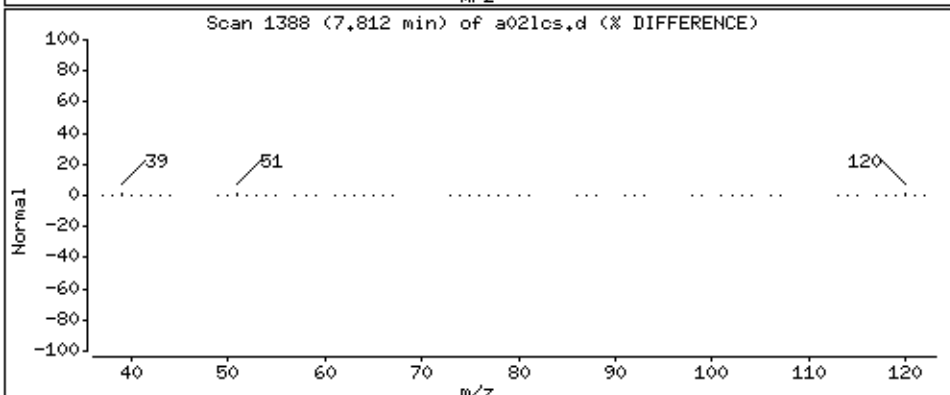
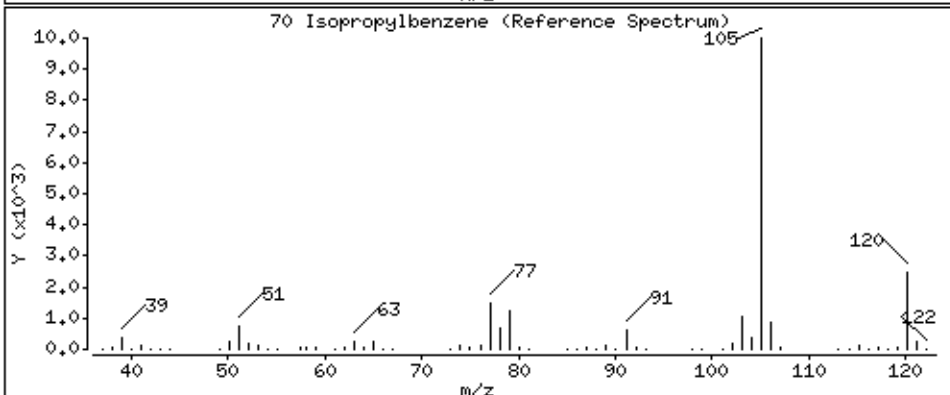
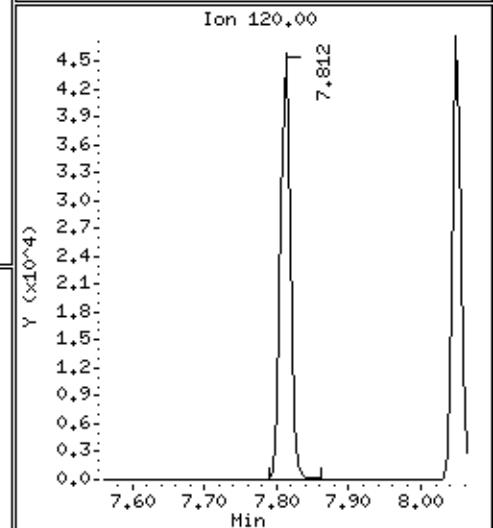
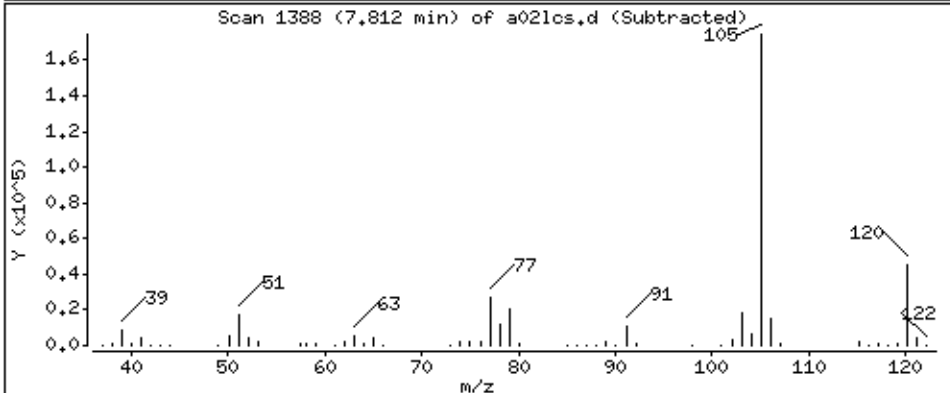
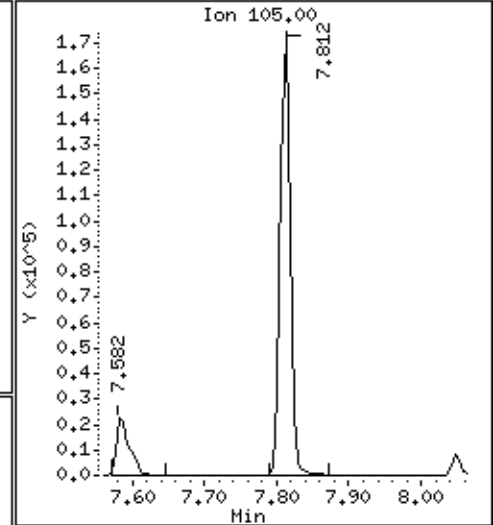
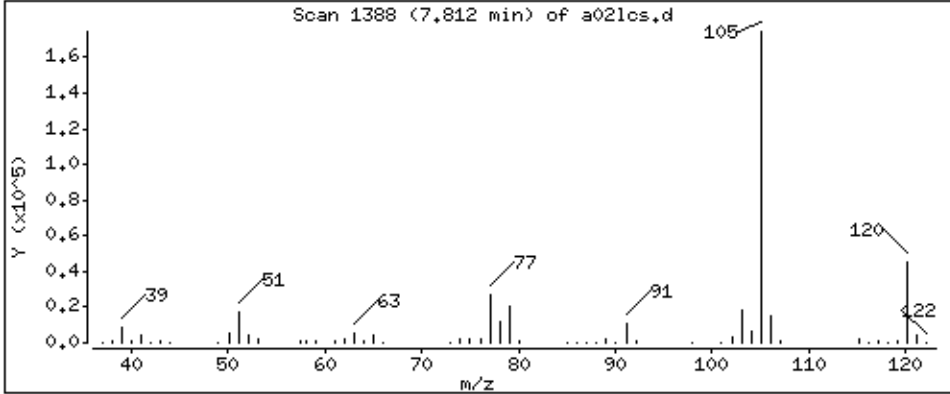
Operator: ala

Column phase: DB-624

Column diameter: 0,18

70 Isopropylbenzene

Concentration: 48,1 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

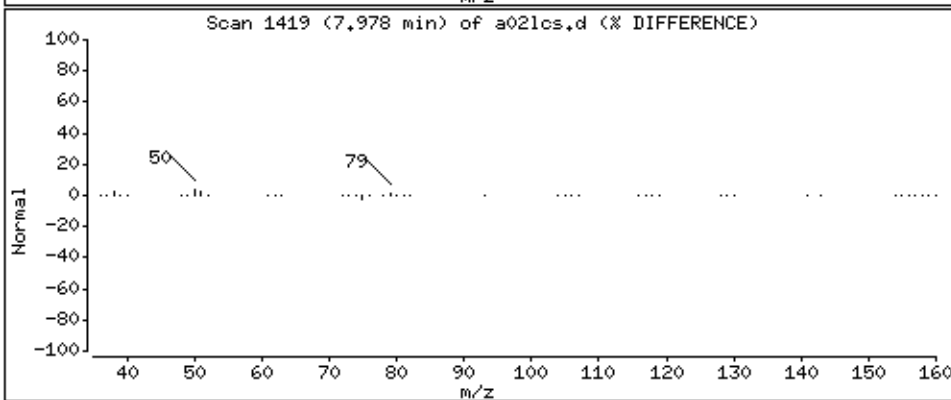
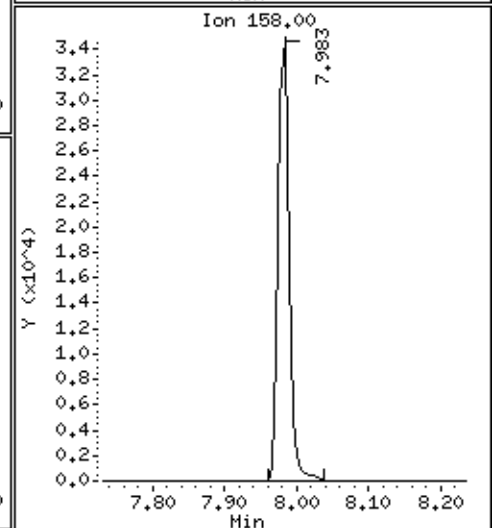
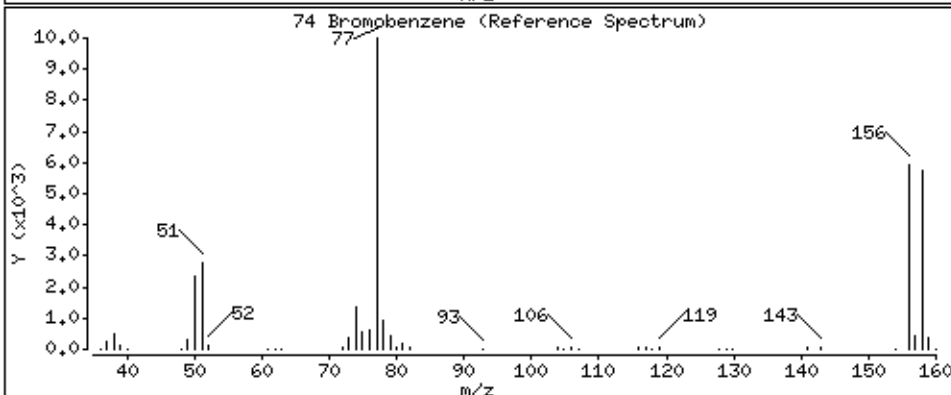
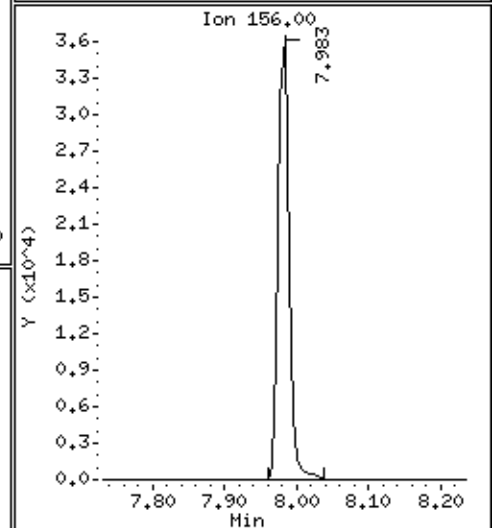
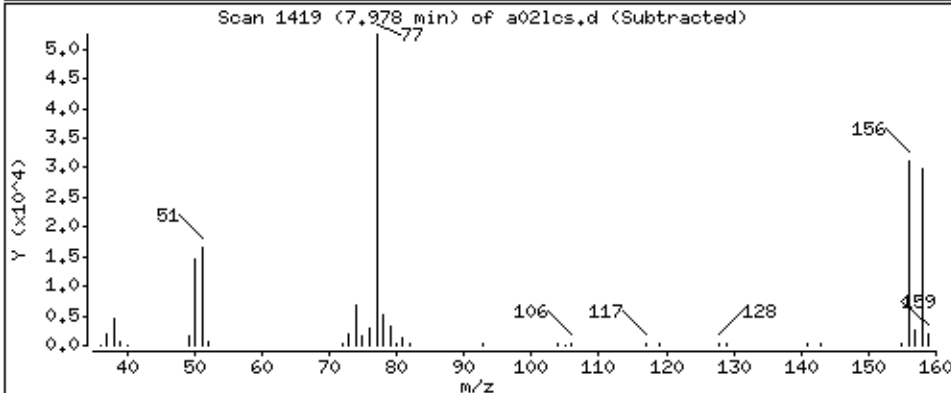
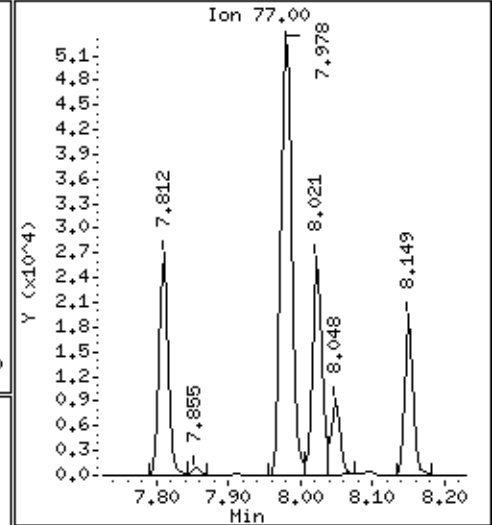
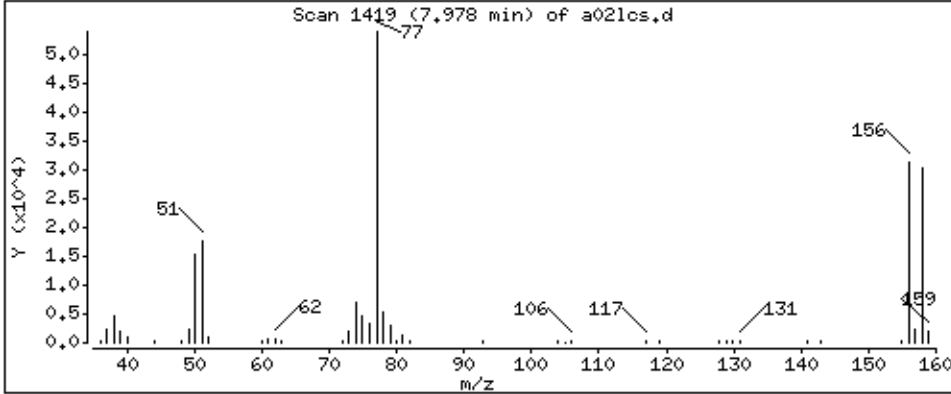
Operator: ala

Column phase: DB-624

Column diameter: 0,18

74 Bromobenzene

Concentration: 46,2 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730;5

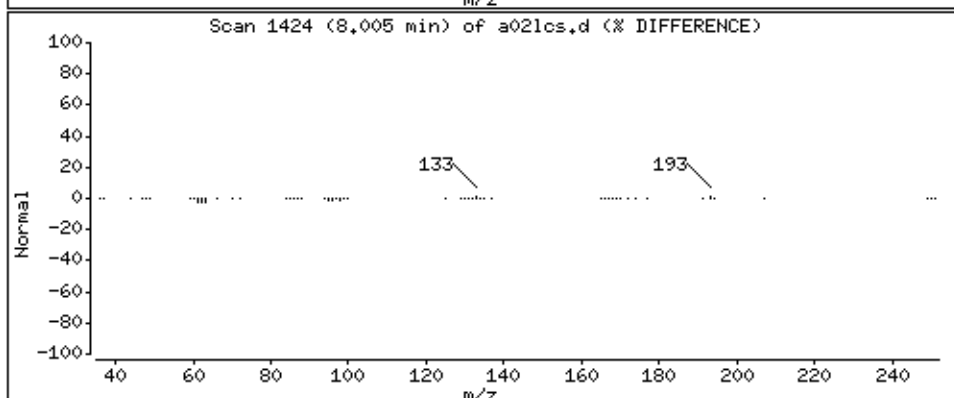
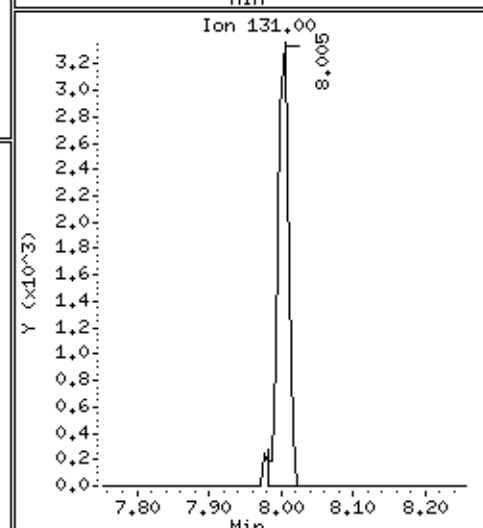
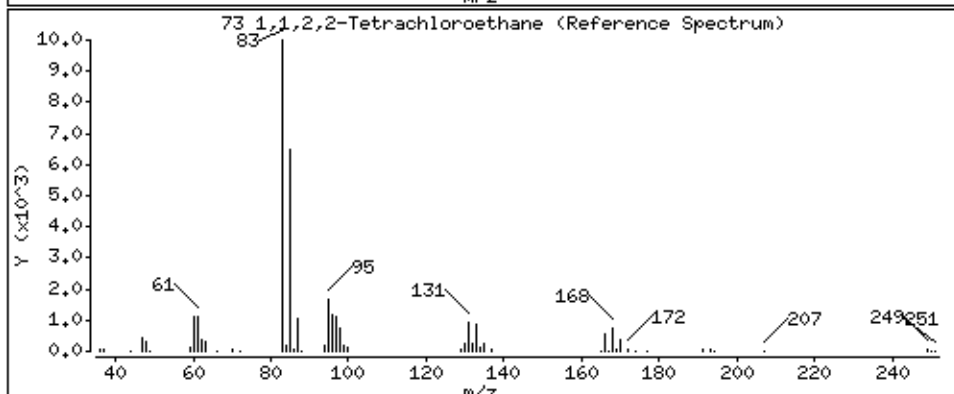
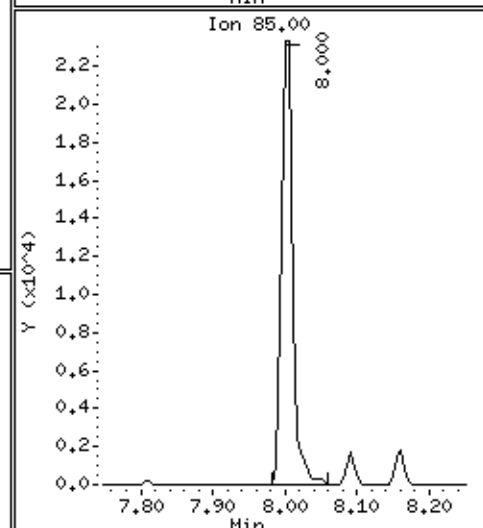
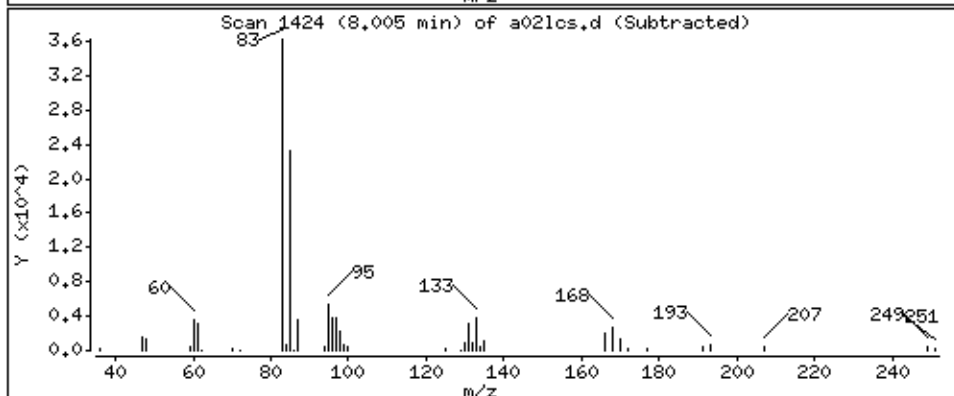
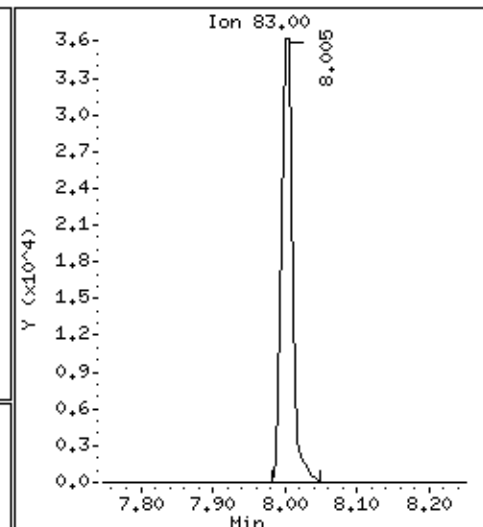
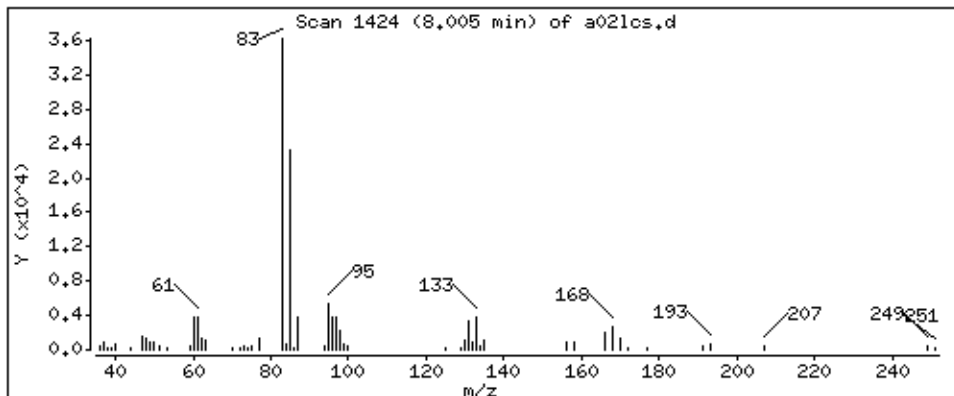
Operator: ala

Column phase: DB-624

Column diameter: 0,18

73 1,1,2,2-Tetrachloroethane

Concentration: 42.4 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

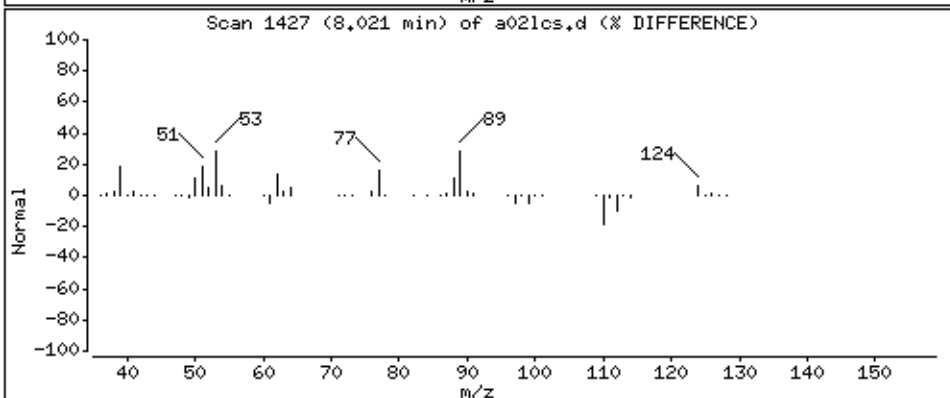
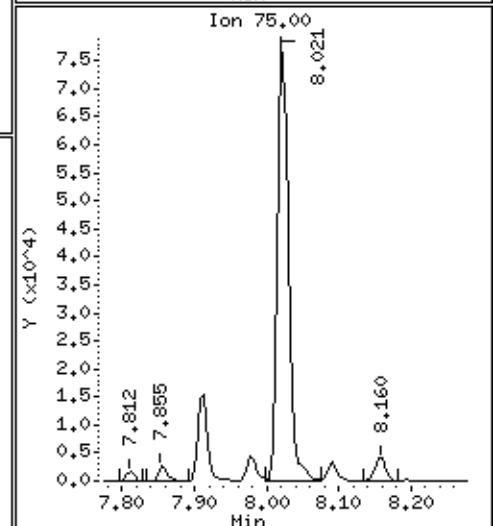
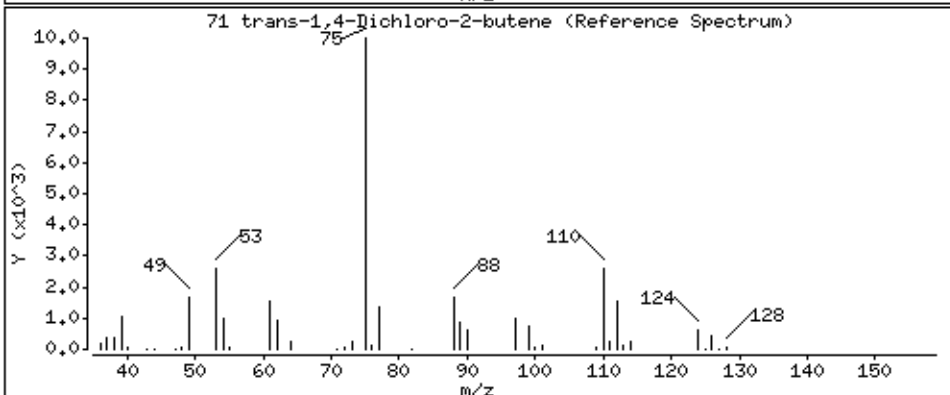
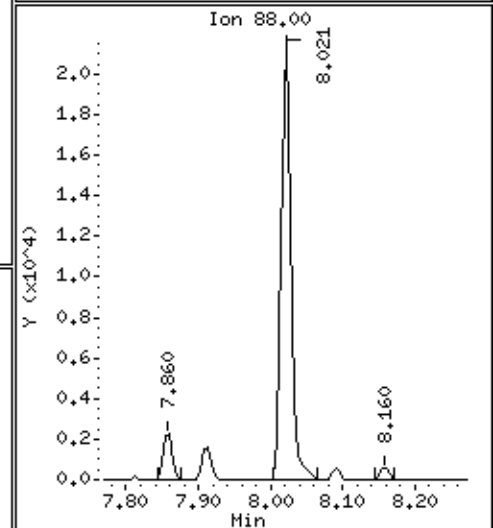
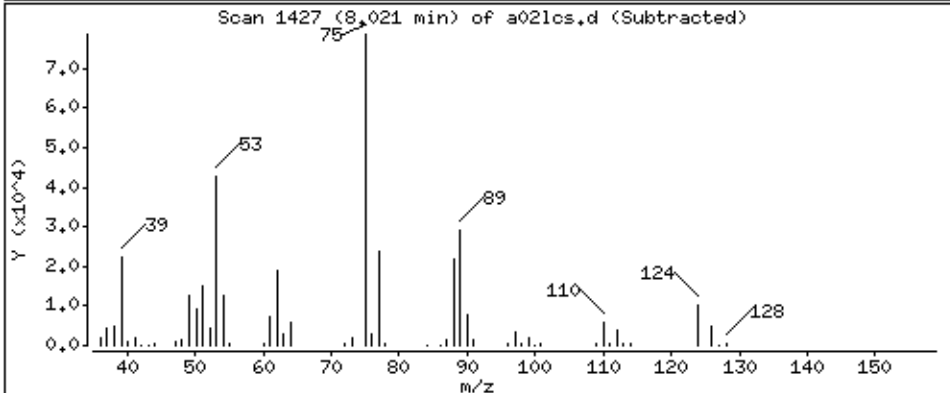
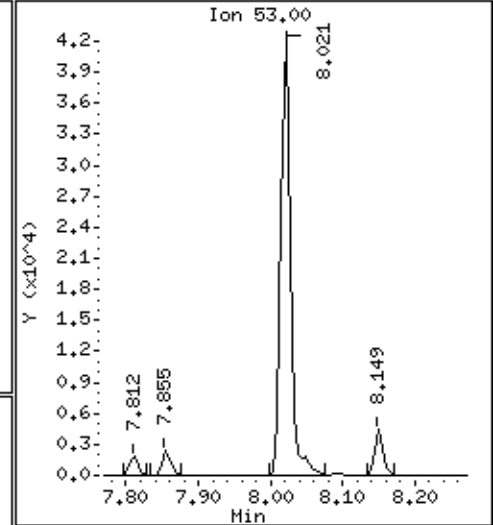
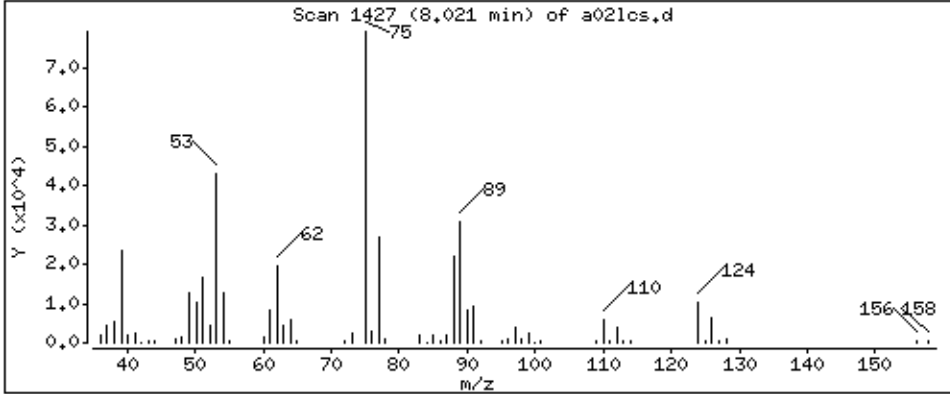
Operator: ala

Column phase: DB-624

Column diameter: 0,18

71 trans-1,4-Dichloro-2-butene

Concentration: 182 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

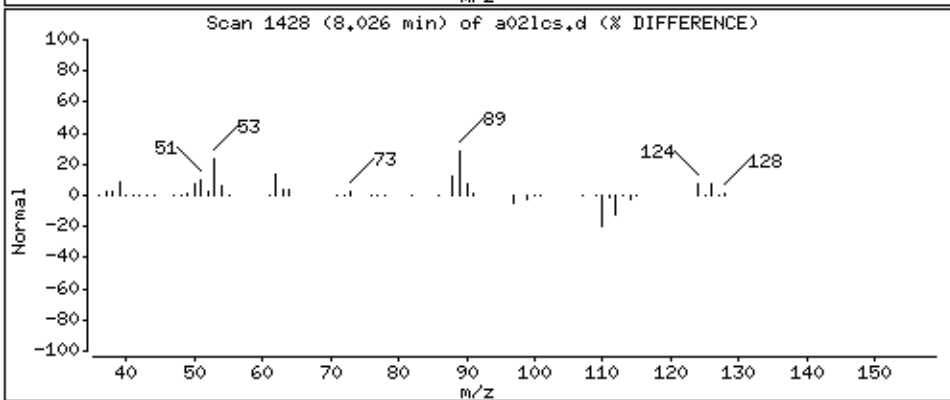
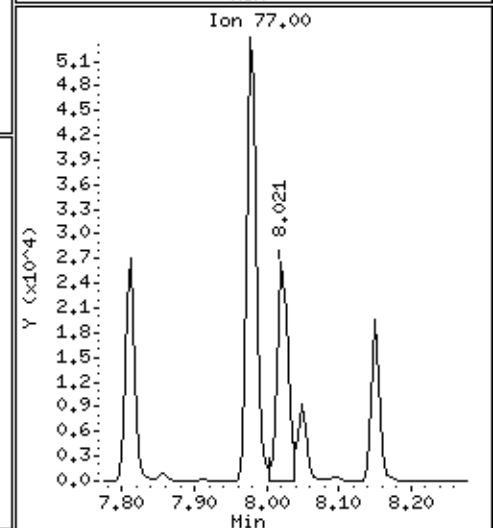
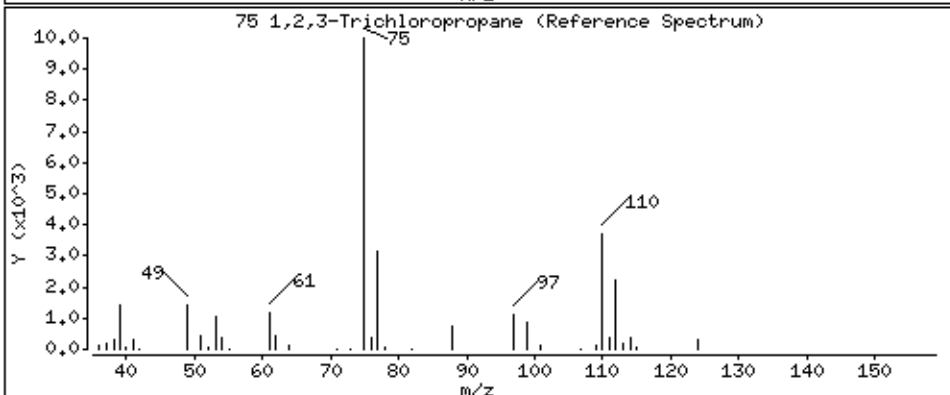
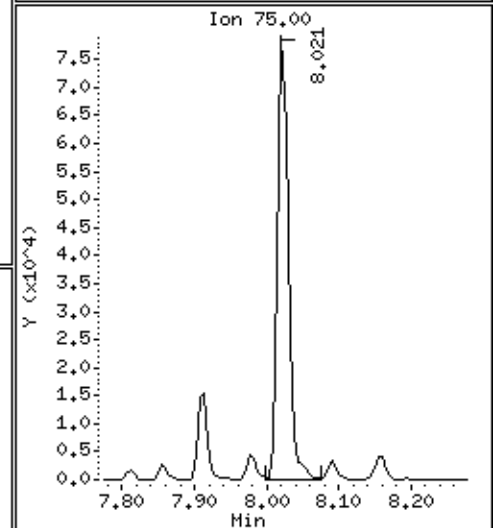
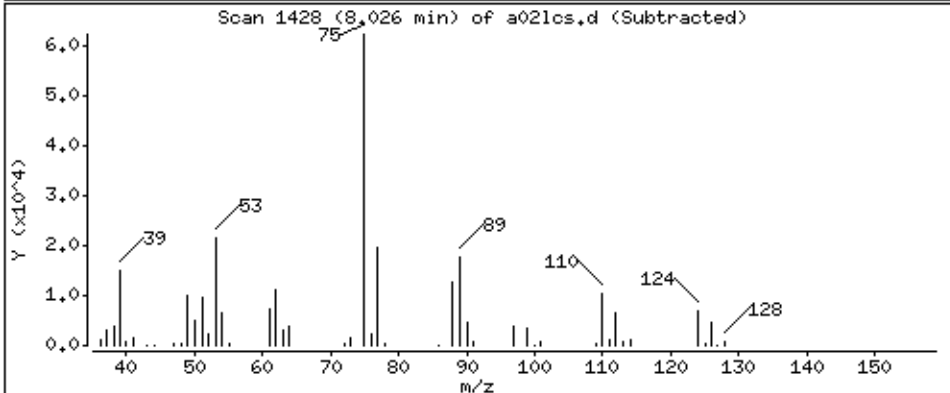
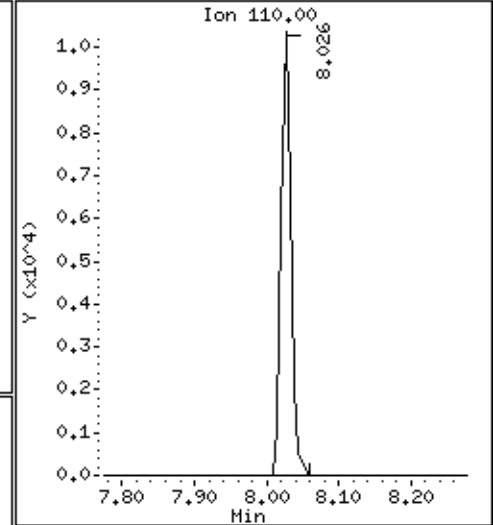
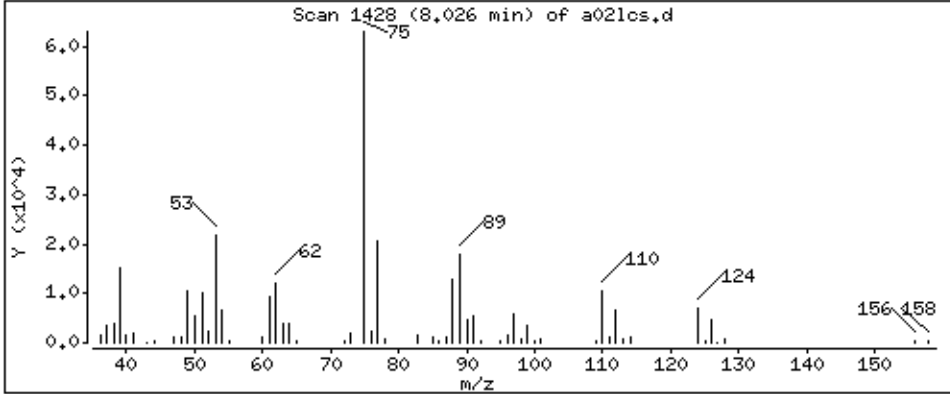
Operator: ala

Column phase: DB-624

Column diameter: 0,18

75 1,2,3-Trichloropropane

Concentration: 43,1 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

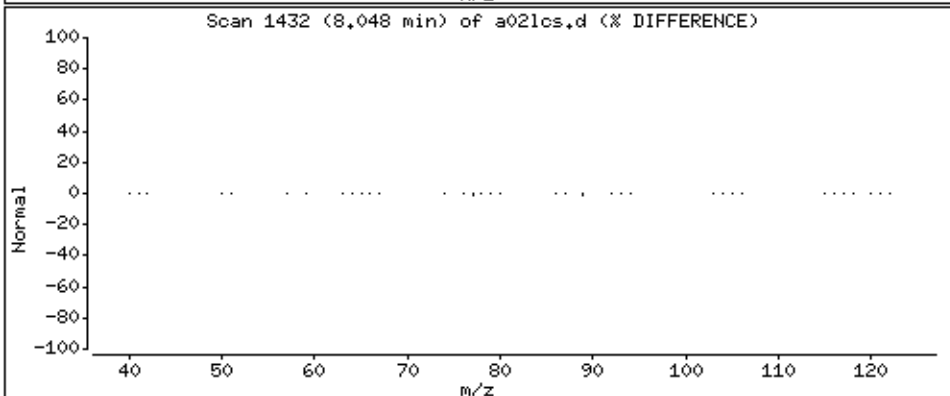
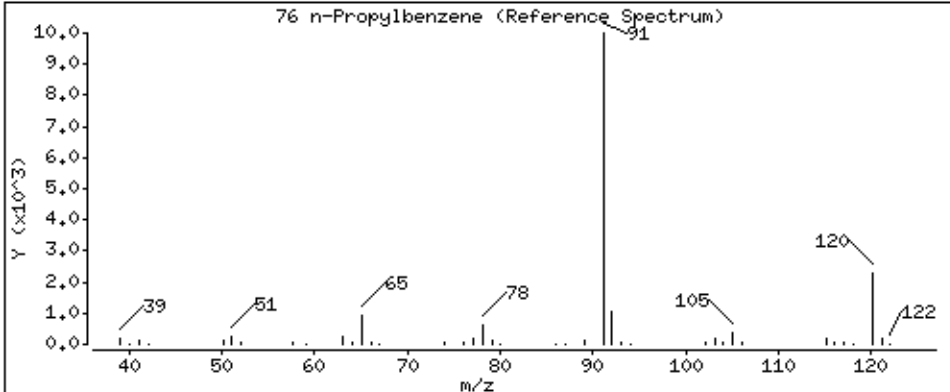
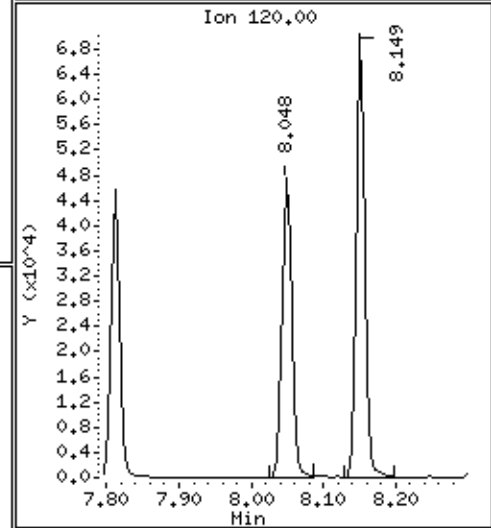
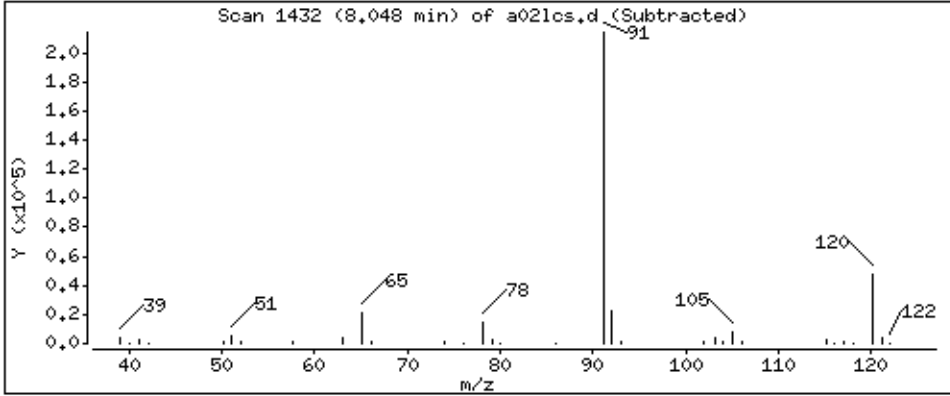
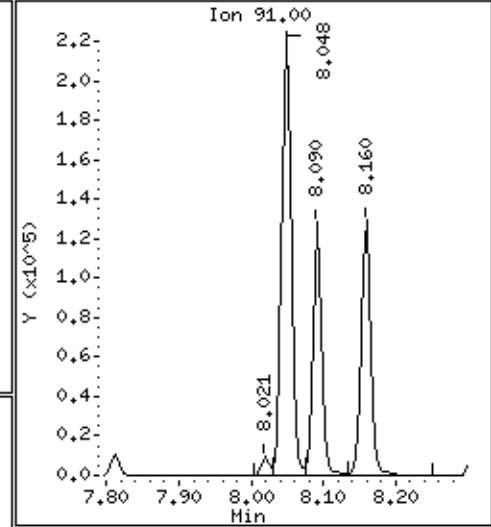
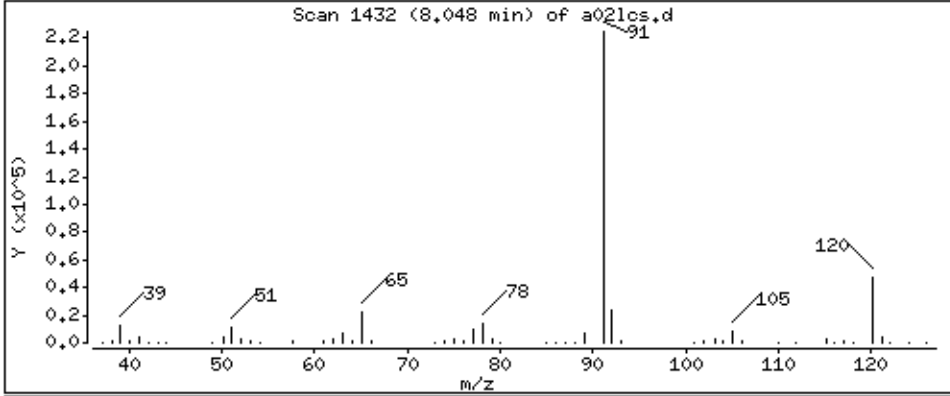
Operator: ala

Column phase: DB-624

Column diameter: 0,18

76 n-Propylbenzene

Concentration: 45,7 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

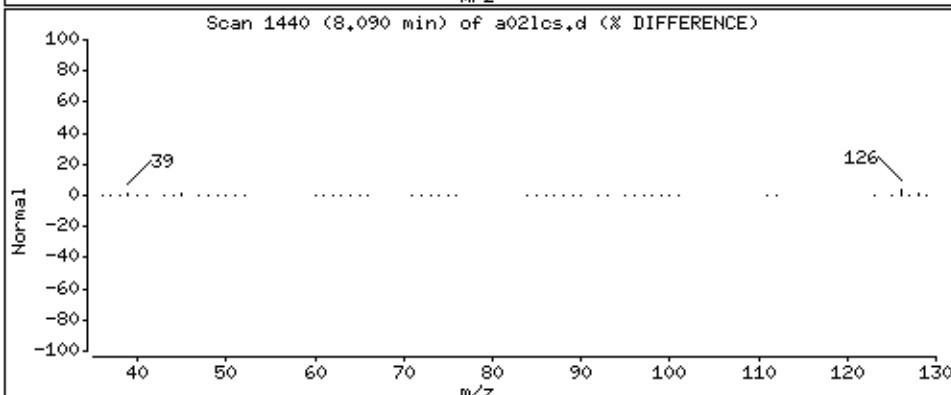
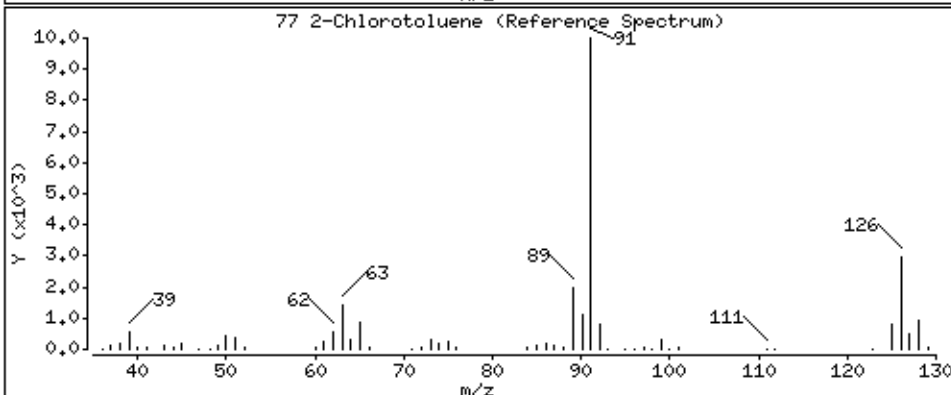
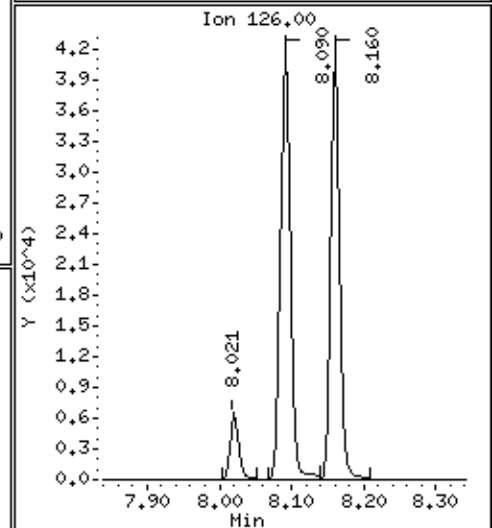
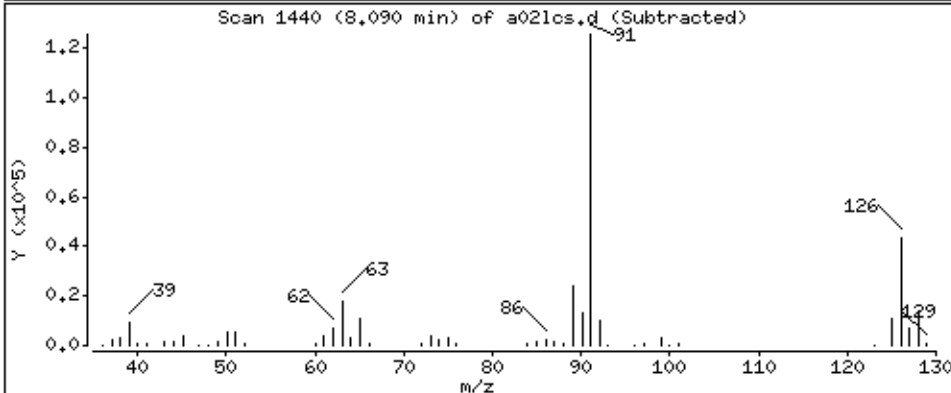
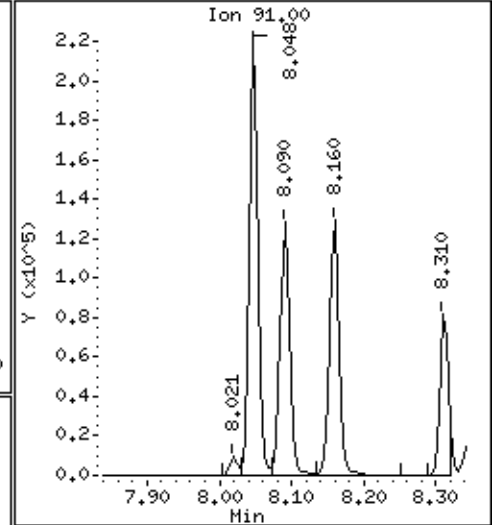
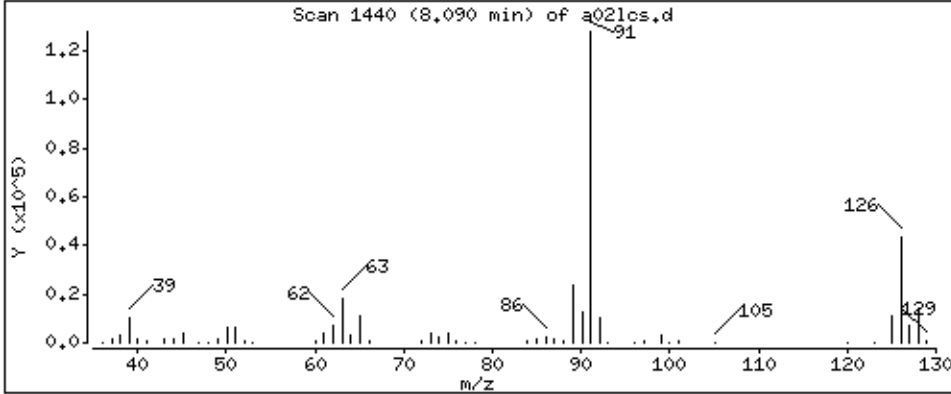
Operator: ala

Column phase: DB-624

Column diameter: 0,18

77 2-Chlorotoluene

Concentration: 46,2 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730;5

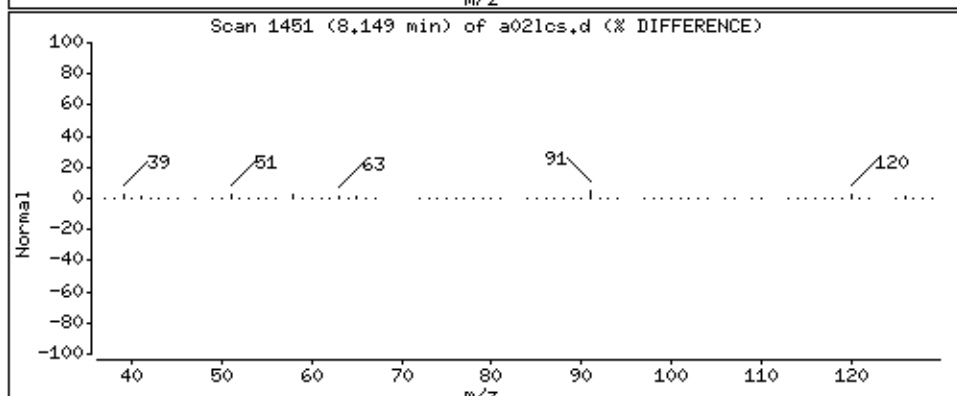
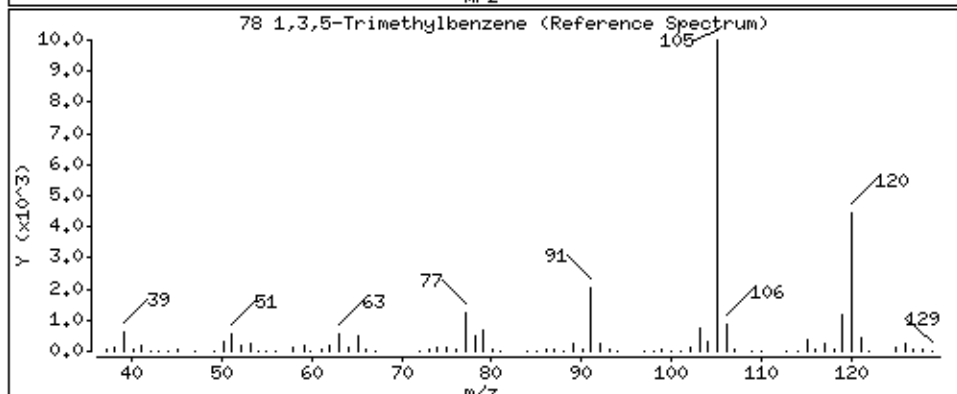
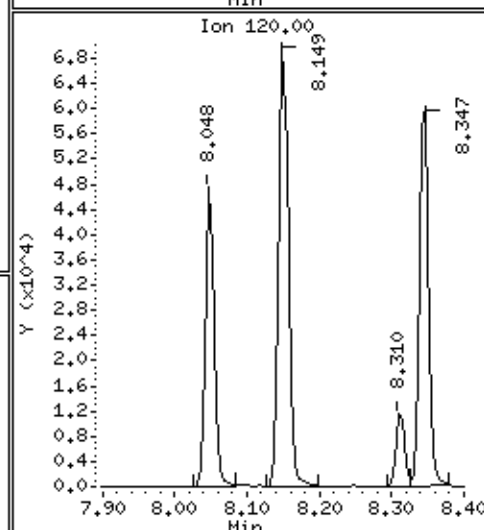
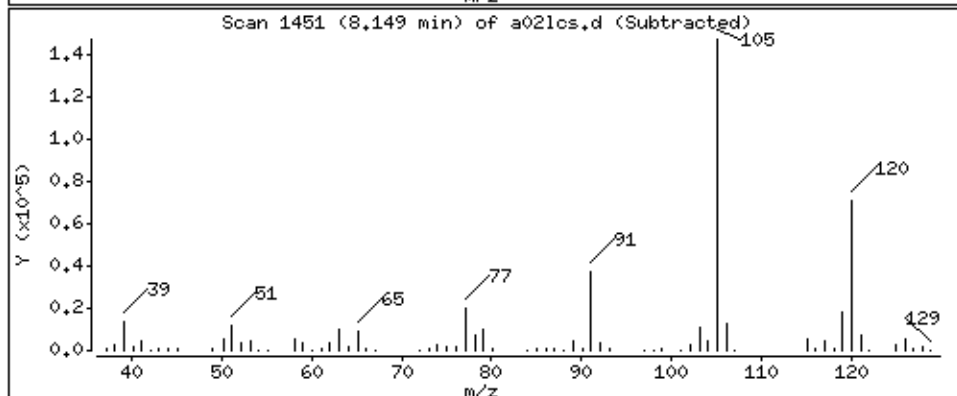
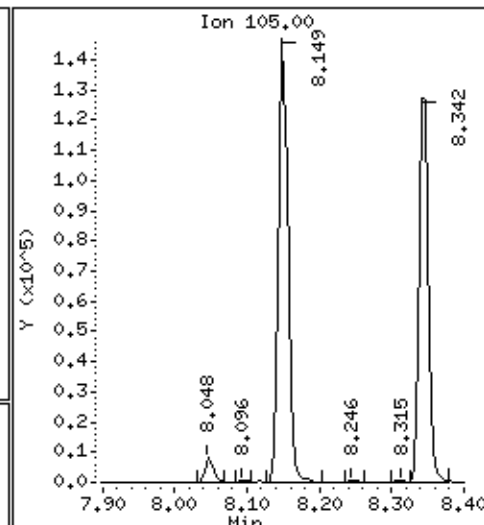
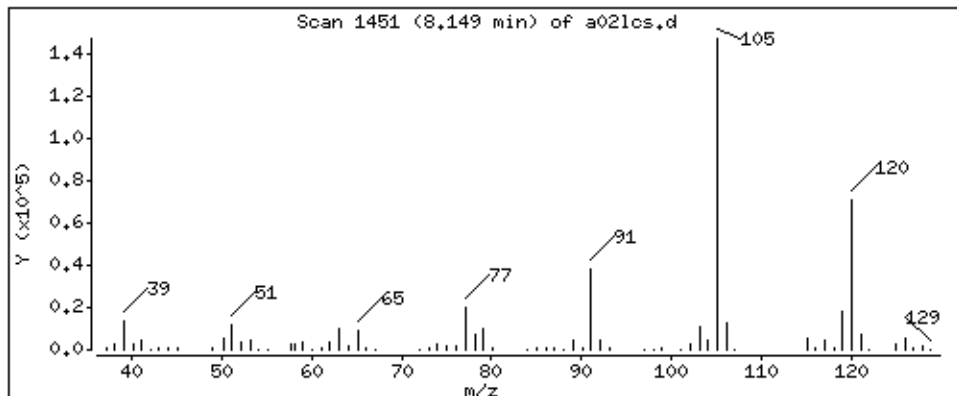
Operator: ala

Column phase: DB-624

Column diameter: 0,18

78 1,3,5-Trimethylbenzene

Concentration: 46,7 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

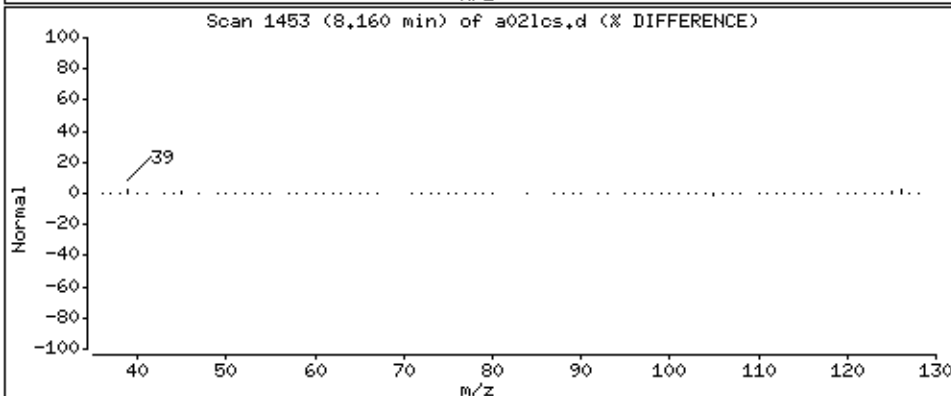
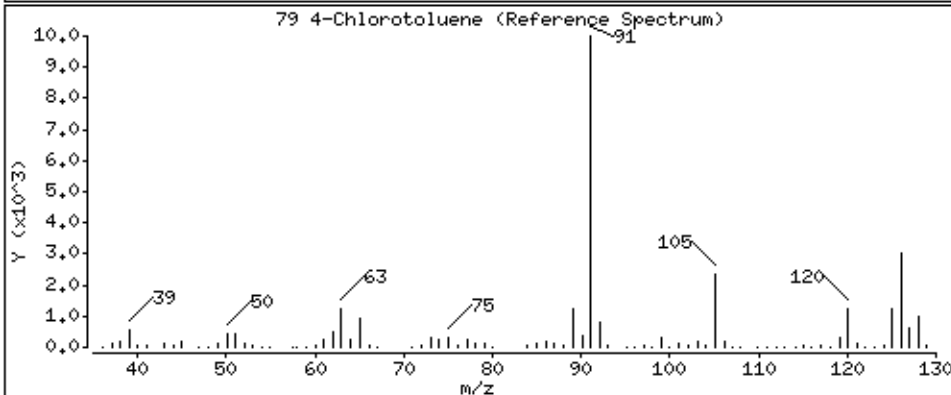
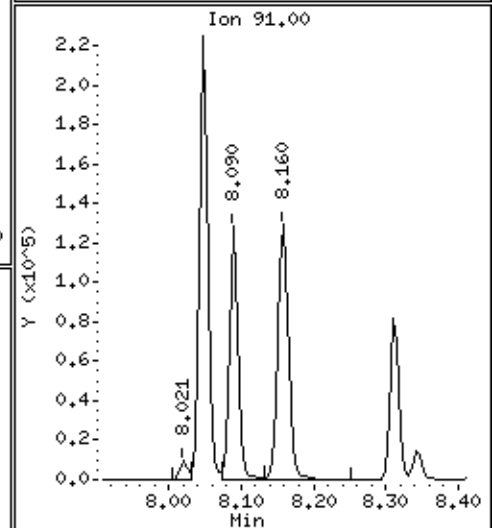
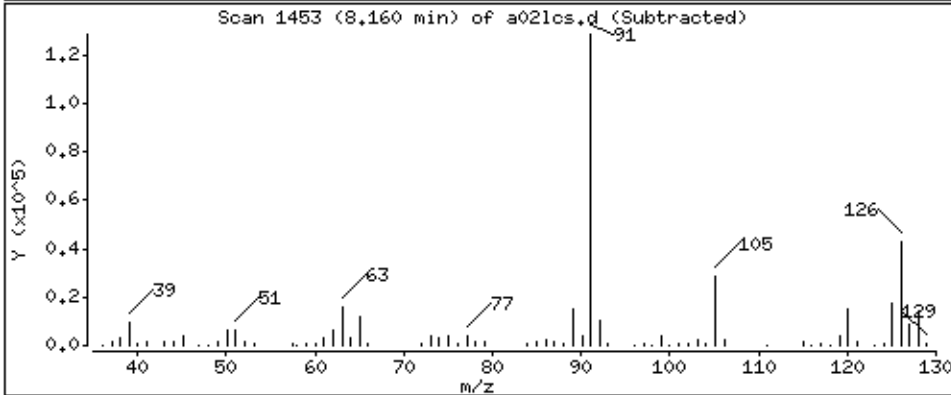
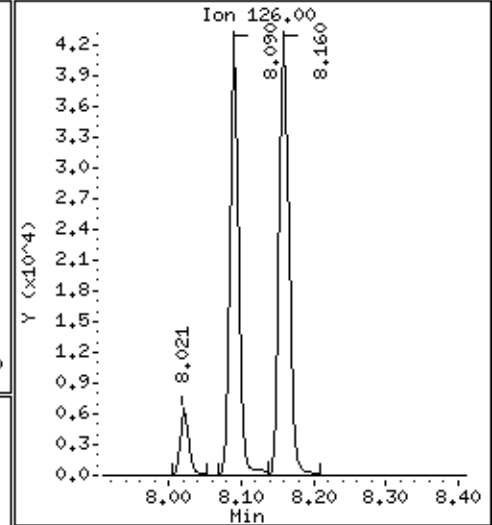
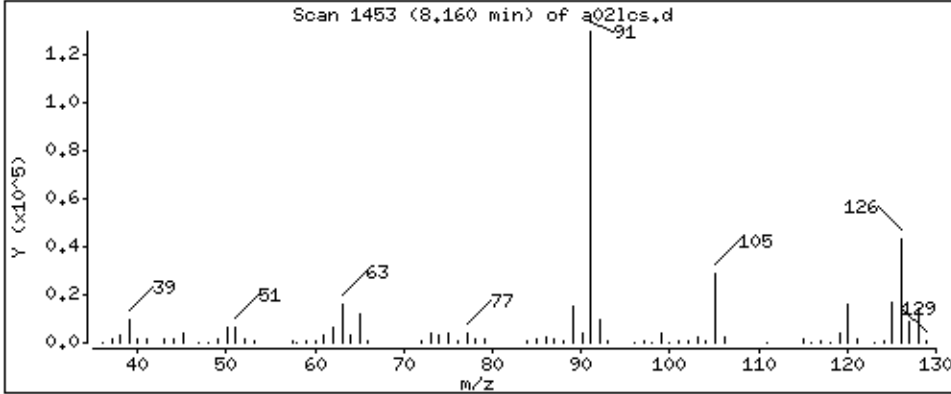
Operator: ala

Column phase: DB-624

Column diameter: 0,18

79 4-Chlorotoluene

Concentration: 45,9 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

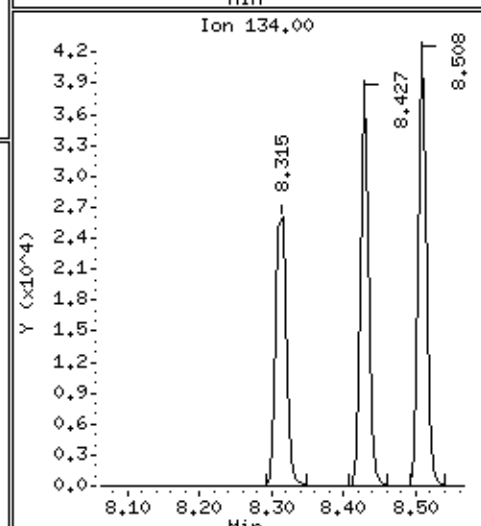
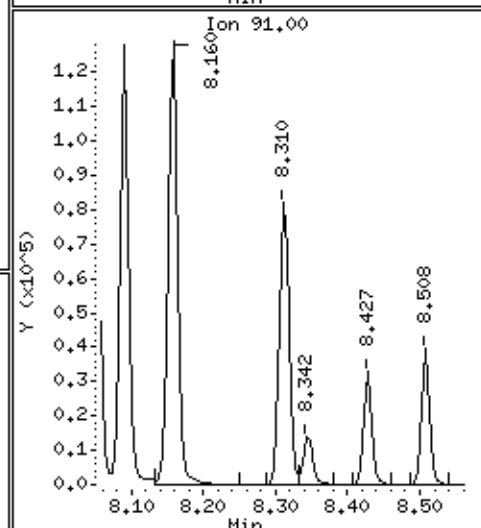
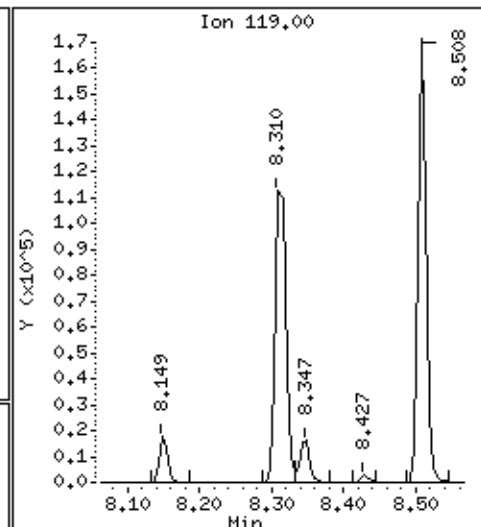
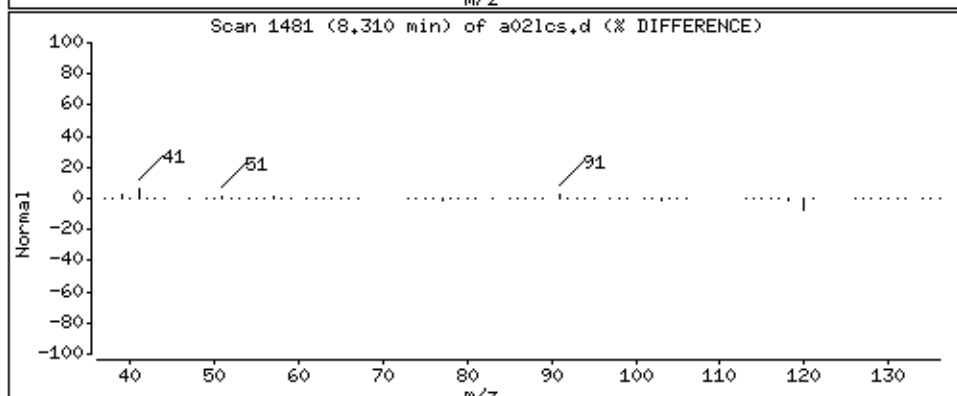
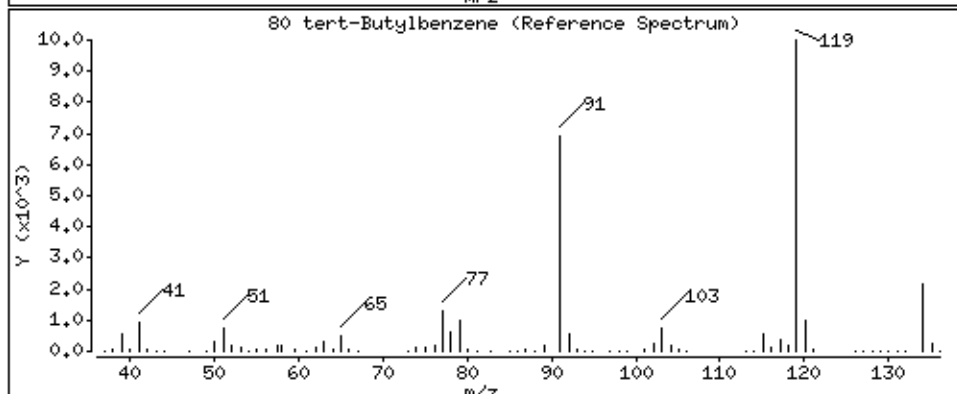
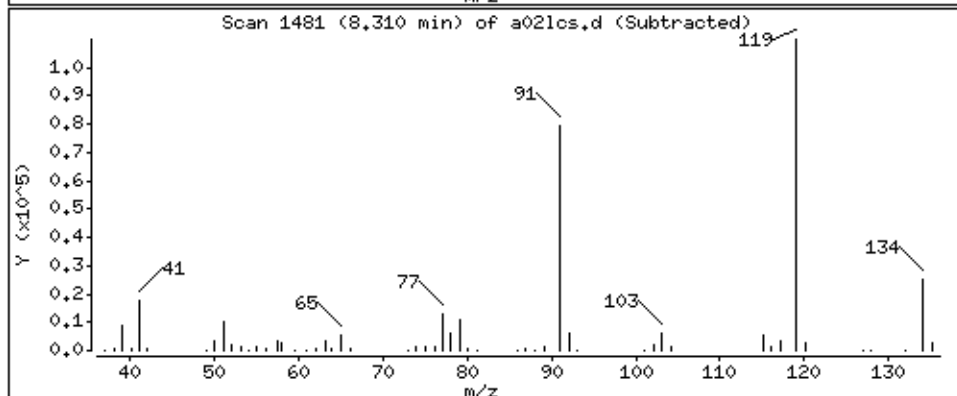
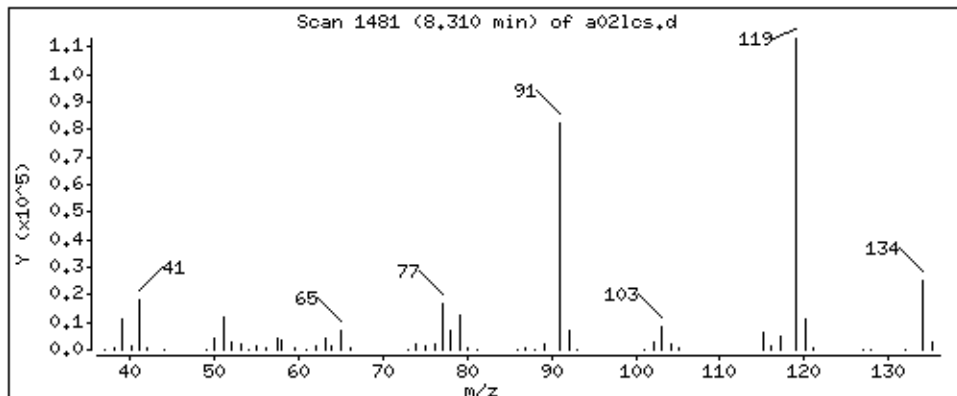
Operator: ala

Column phase: DB-624

Column diameter: 0,18

80 tert-Butylbenzene

Concentration: 34,3 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730;5

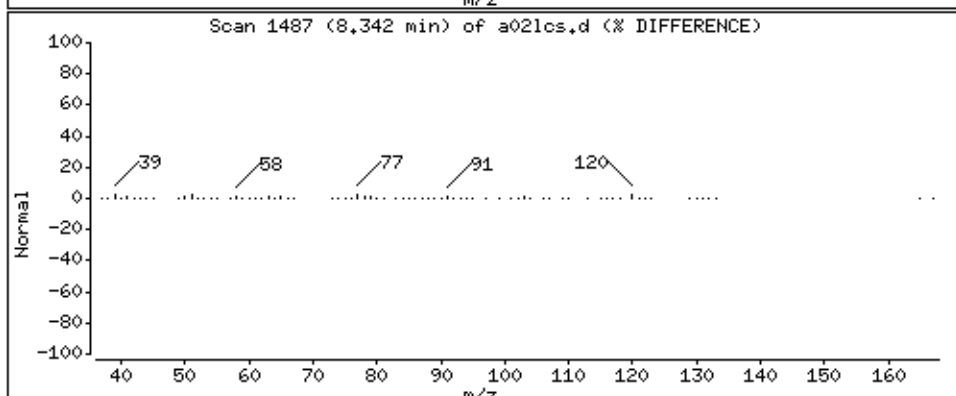
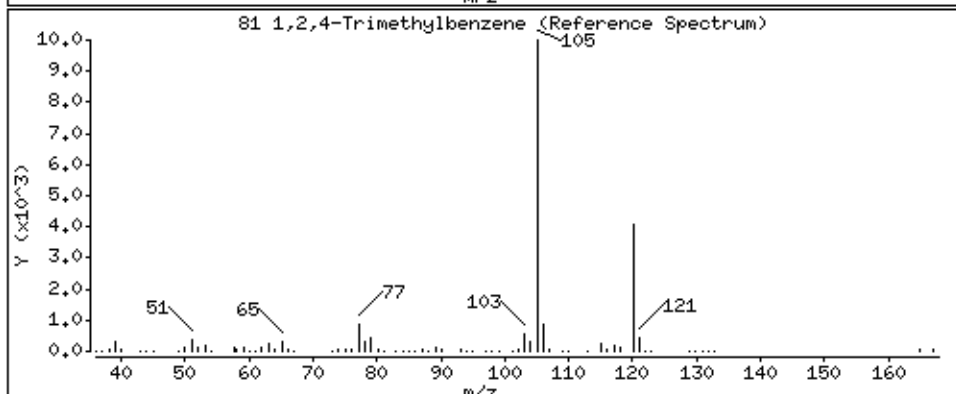
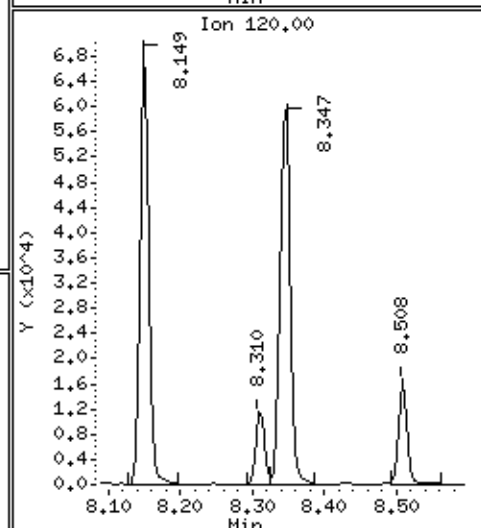
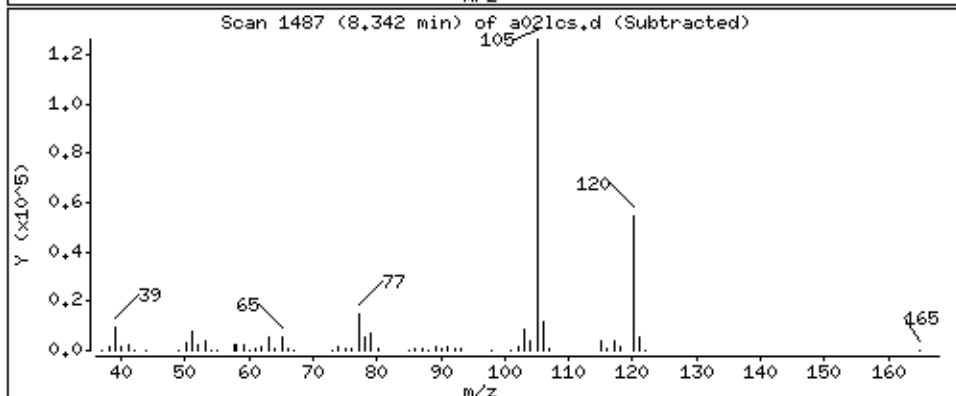
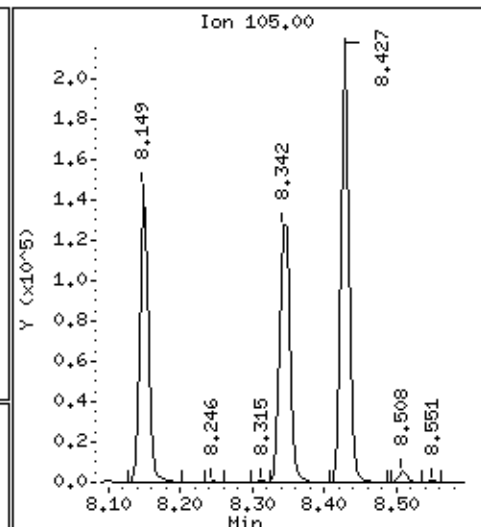
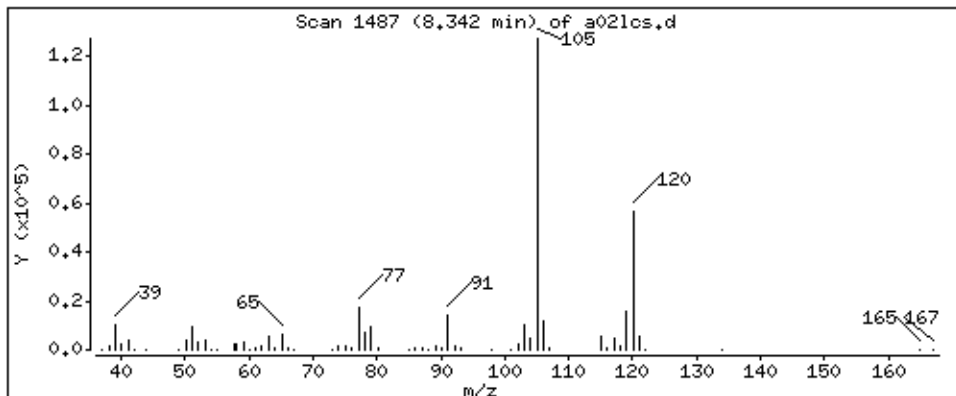
Operator: ala

Column phase: DB-624

Column diameter: 0,18

81 1,2,4-Trimethylbenzene

Concentration: 46,1 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

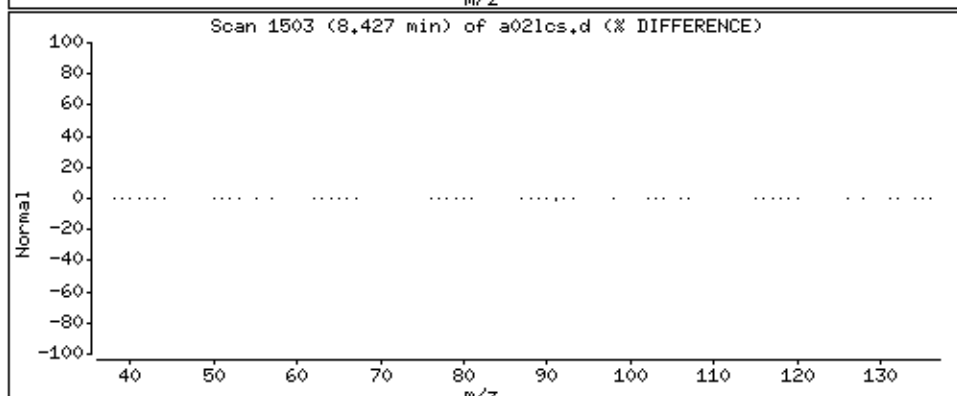
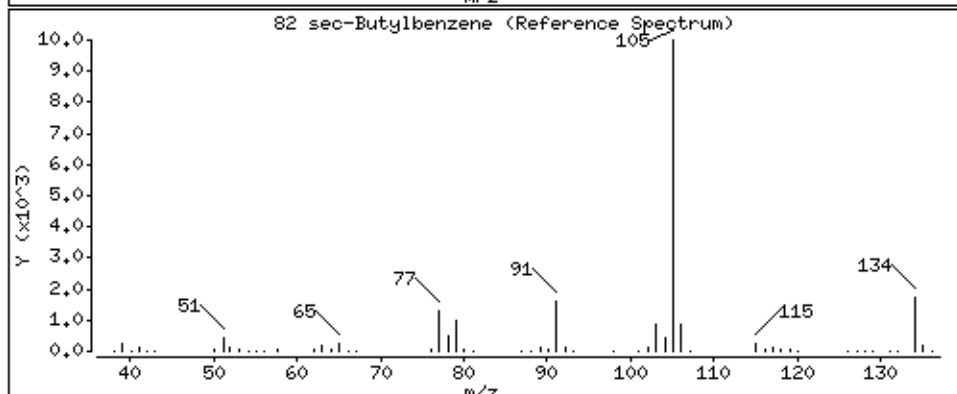
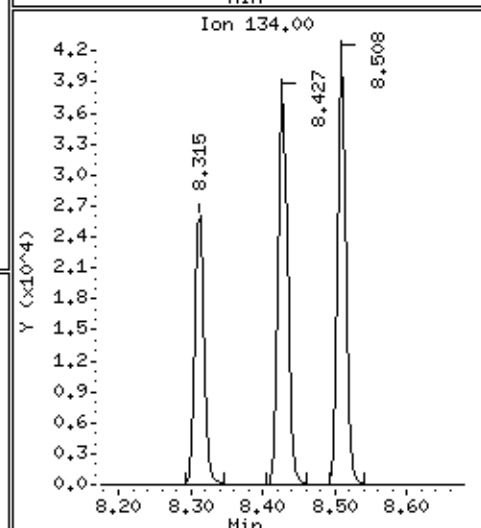
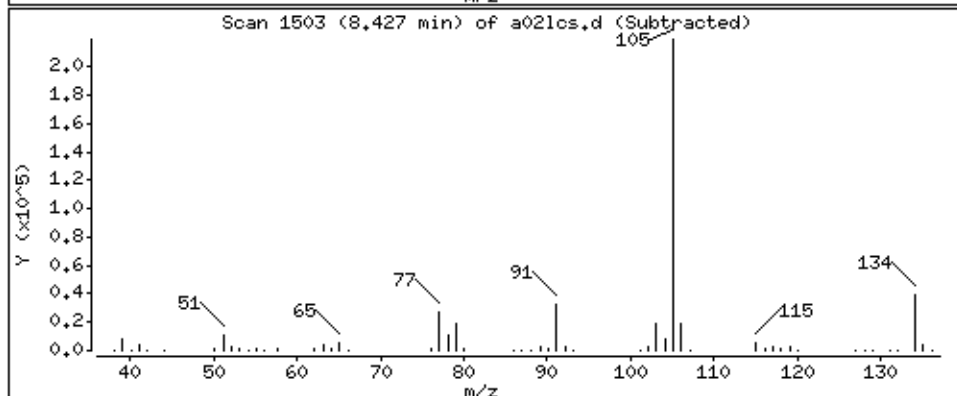
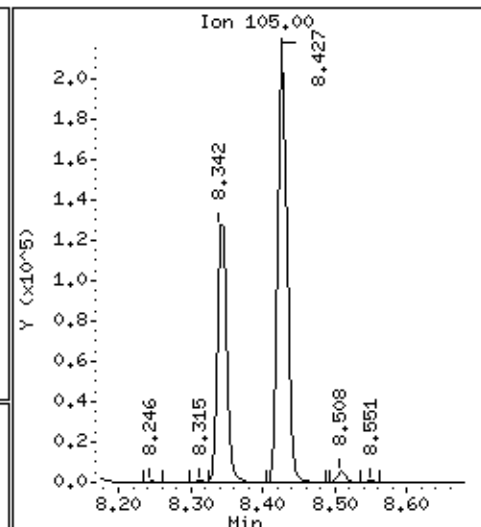
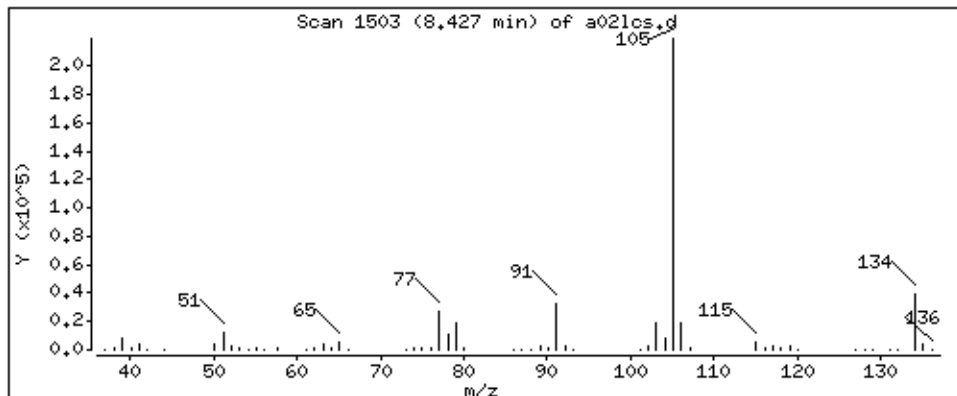
Operator: ala

Column phase: DB-624

Column diameter: 0,18

82 sec-Butylbenzene

Concentration: 46,1 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

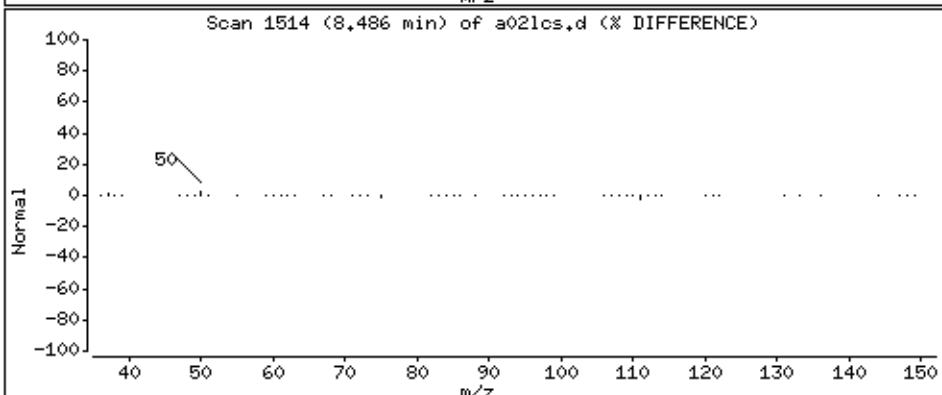
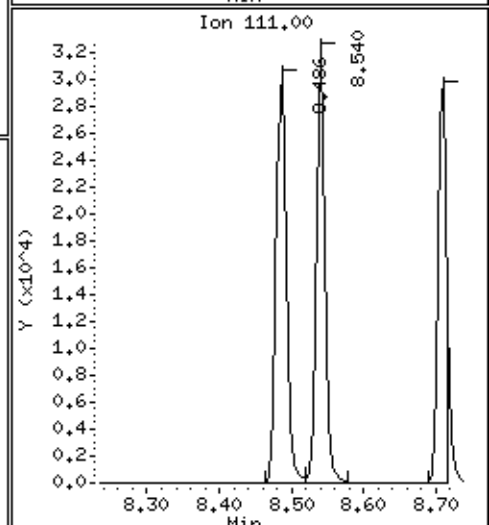
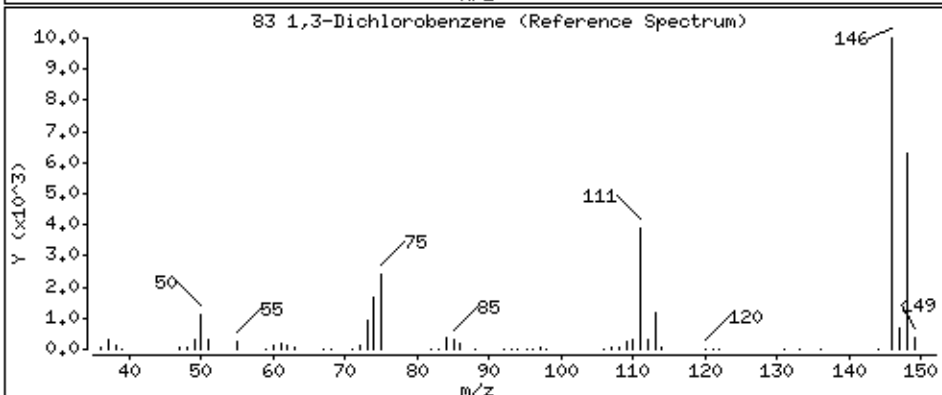
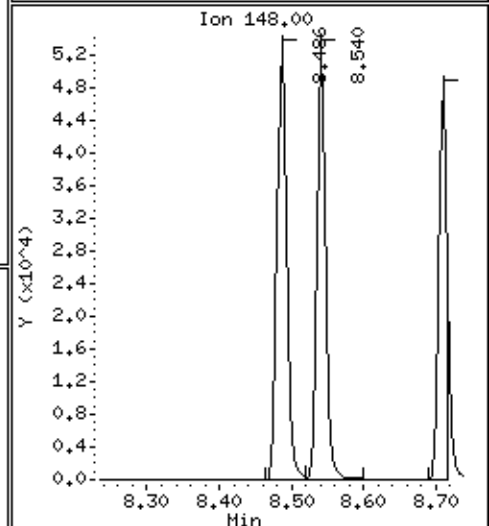
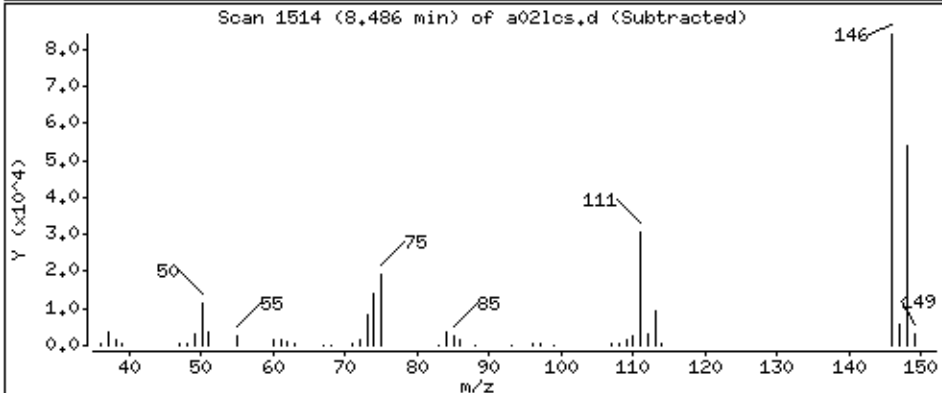
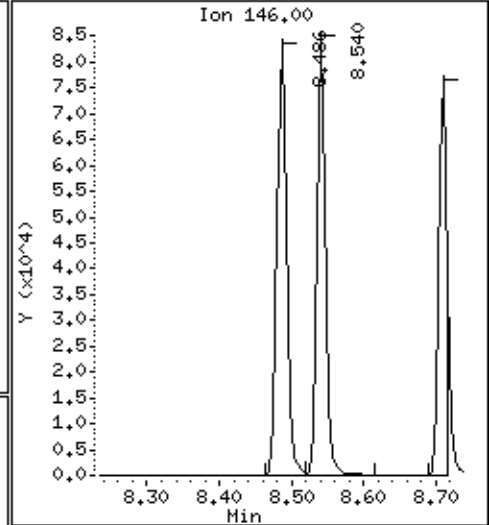
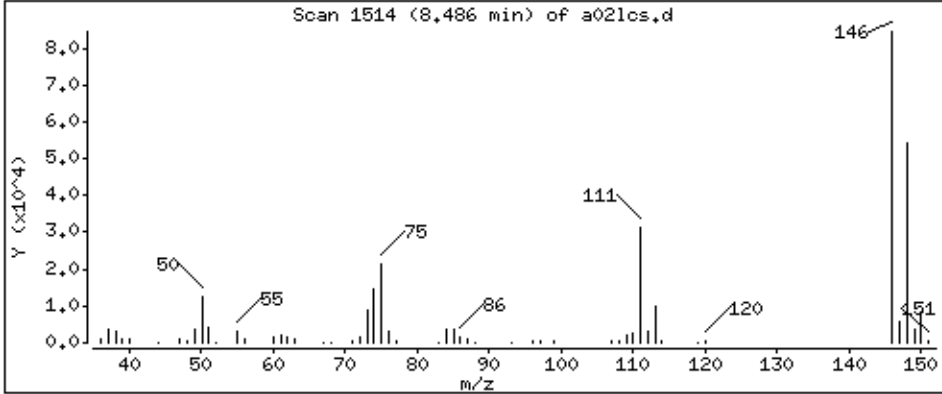
Operator: ala

Column phase: DB-624

Column diameter: 0,18

83 1,3-Dichlorobenzene

Concentration: 43,8 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

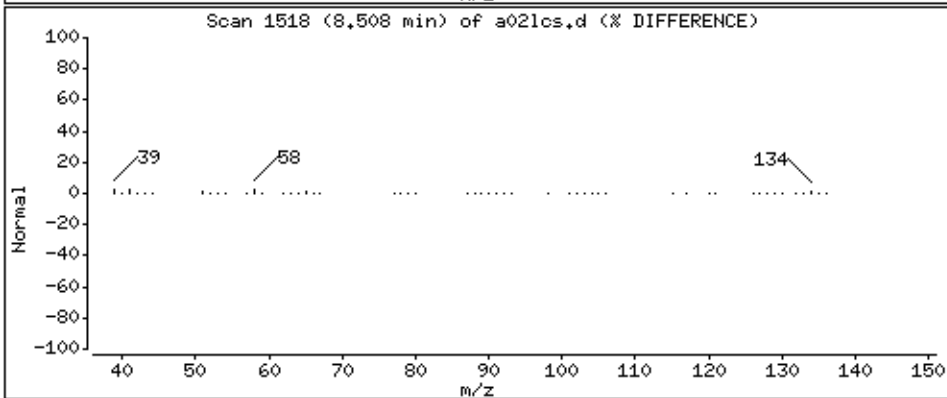
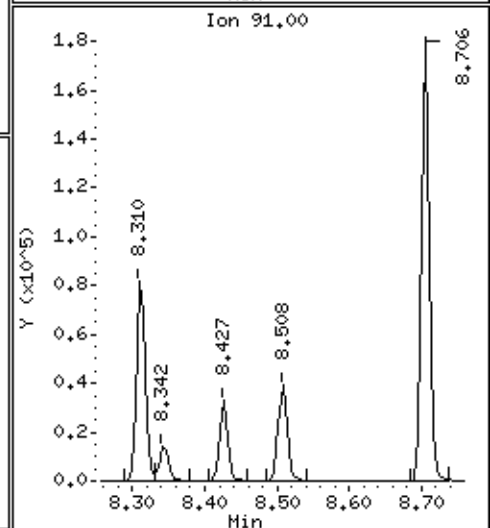
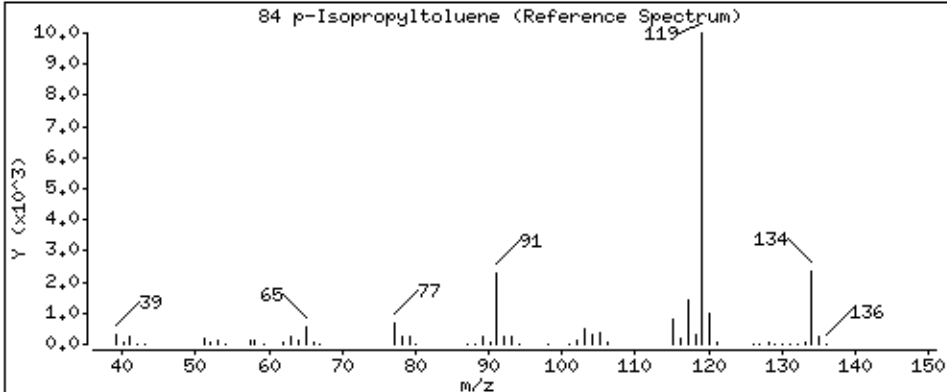
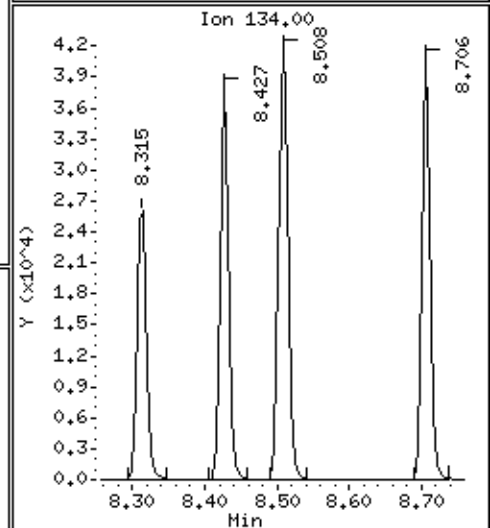
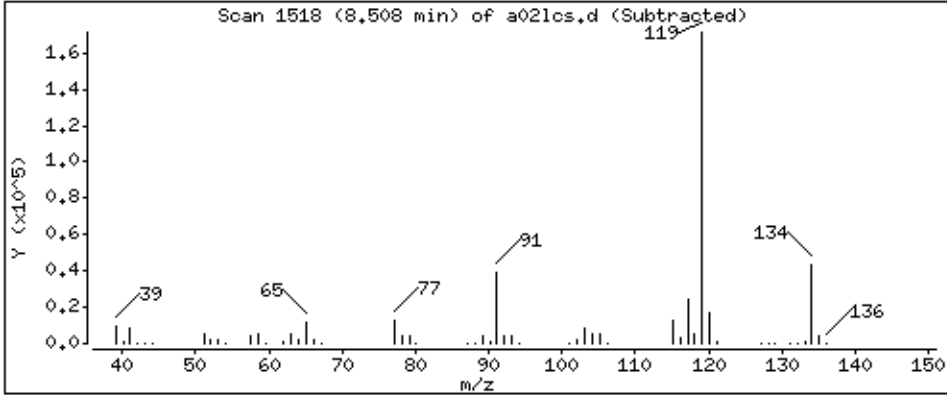
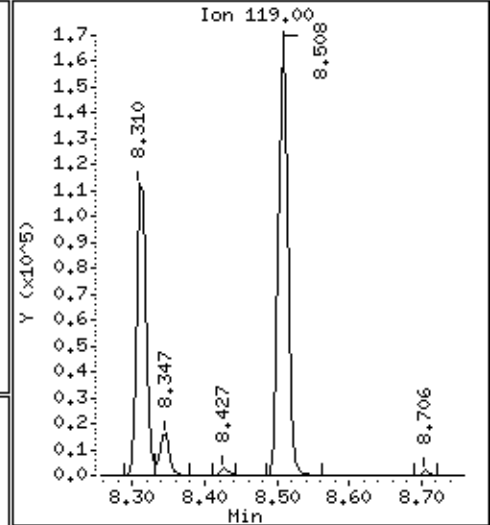
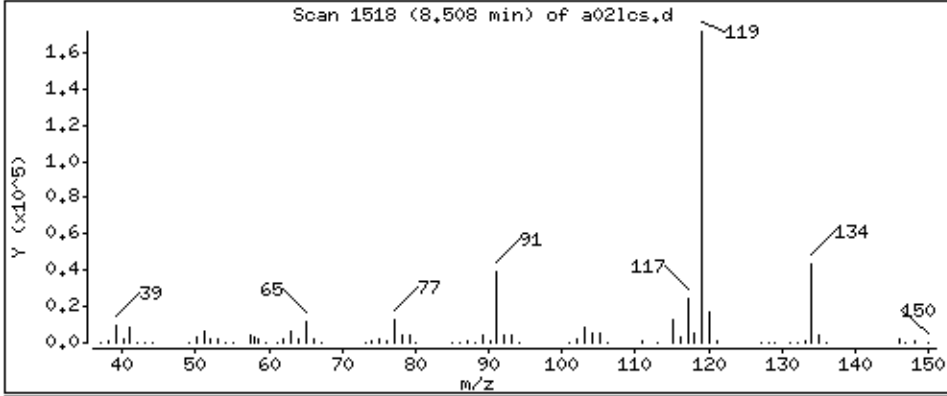
Operator: ala

Column phase: DB-624

Column diameter: 0,18

84 p-Isopropyltoluene

Concentration: 45,8 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

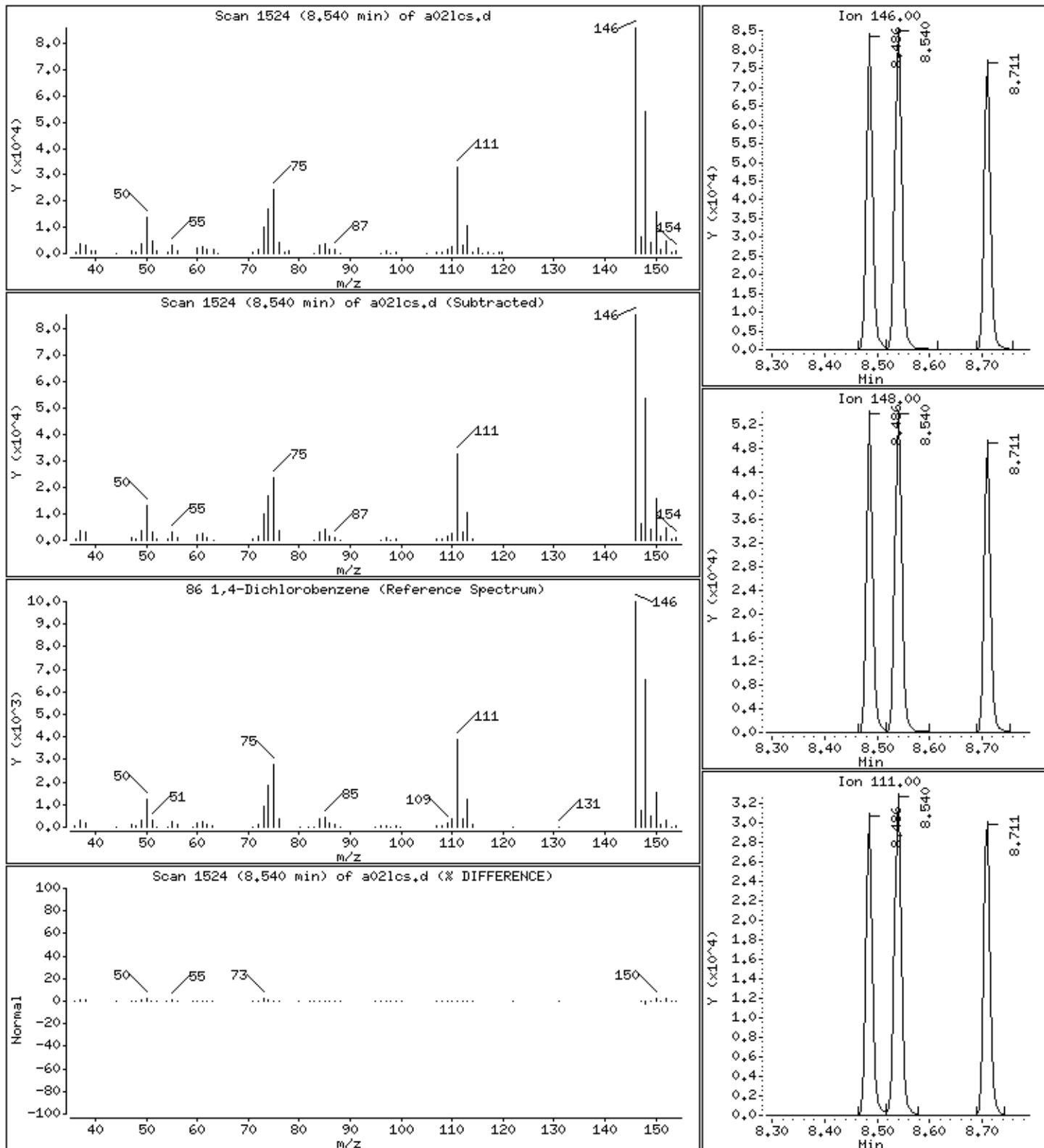
Operator: ala

Column phase: DB-624

Column diameter: 0,18

86 1,4-Dichlorobenzene

Concentration: 42.6 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

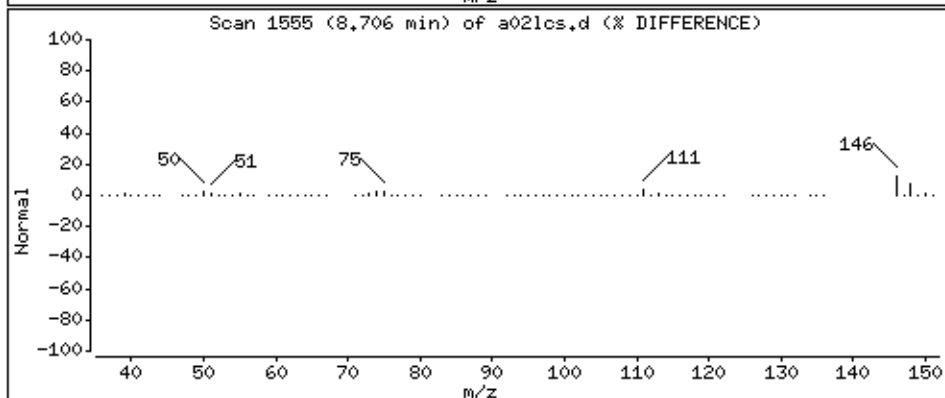
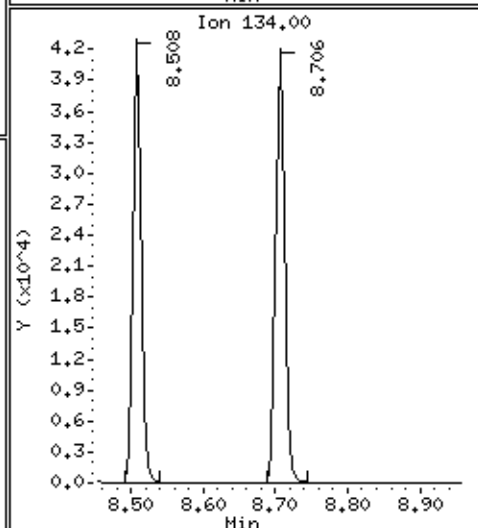
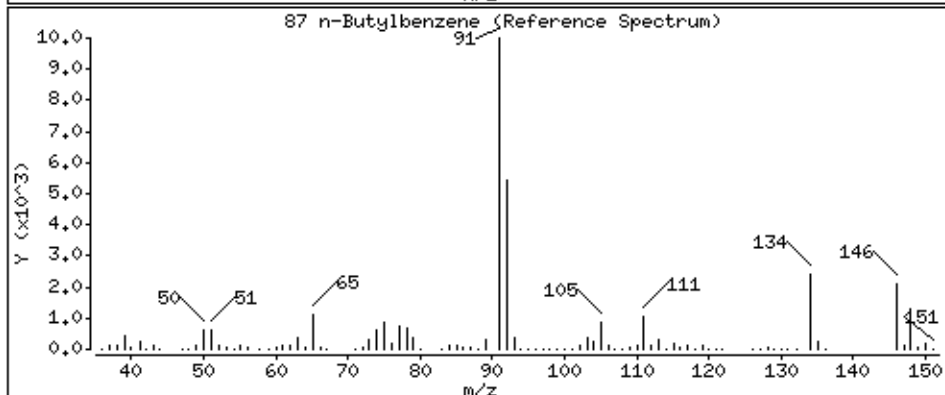
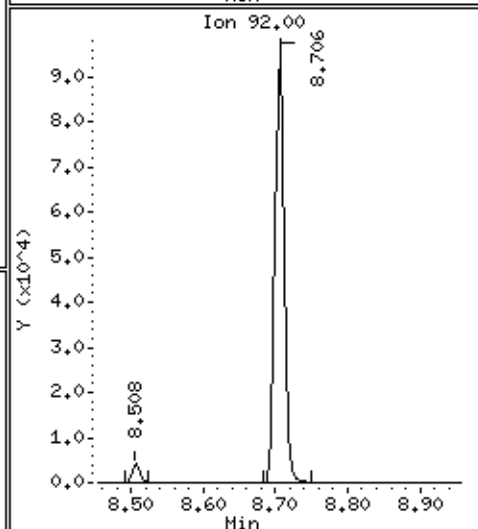
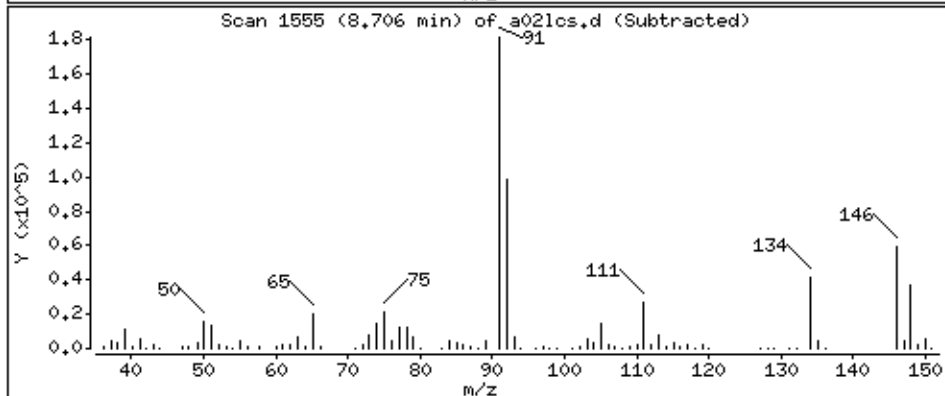
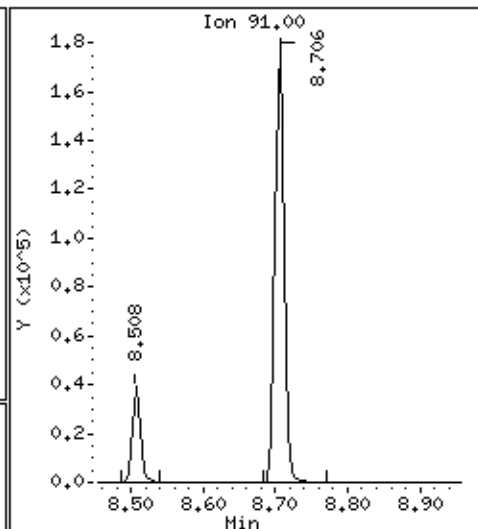
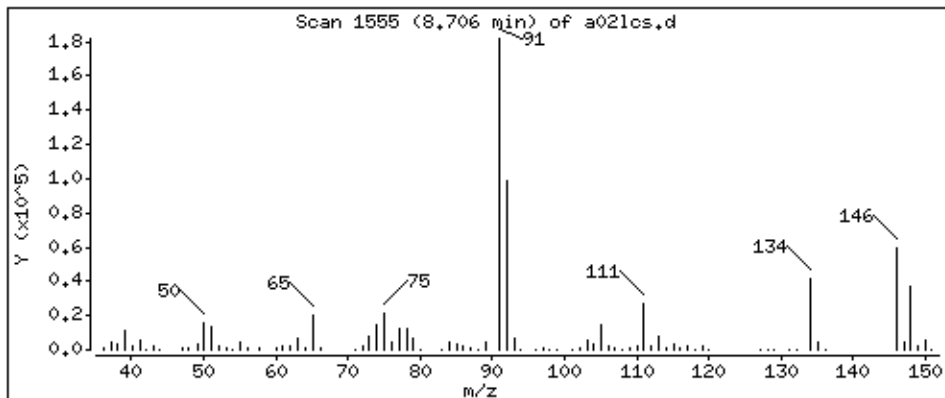
Operator: ala

Column phase: DB-624

Column diameter: 0,18

87 n-Butylbenzene

Concentration: 46,5 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

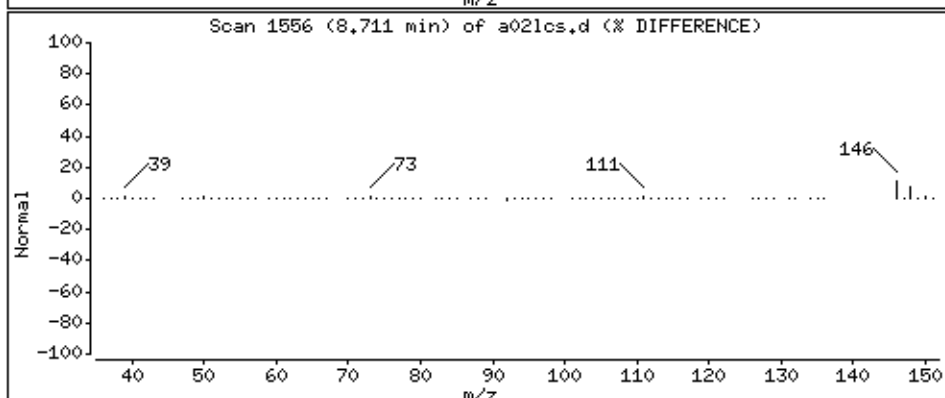
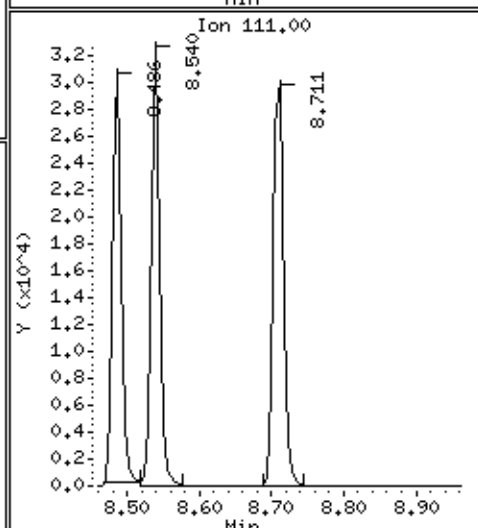
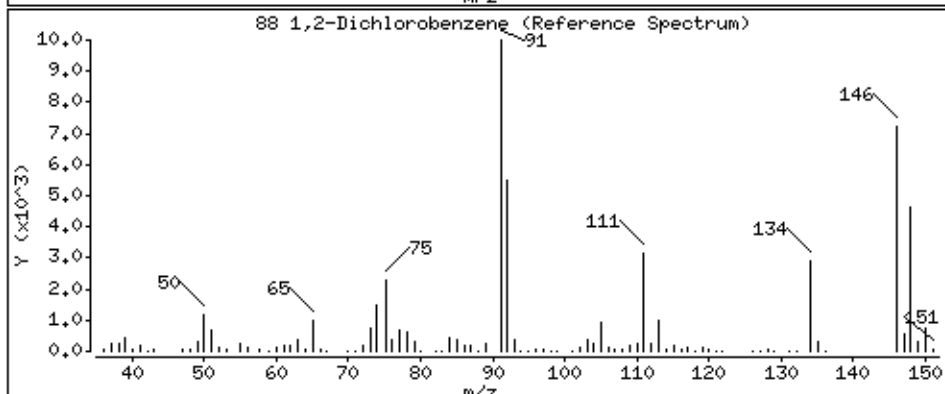
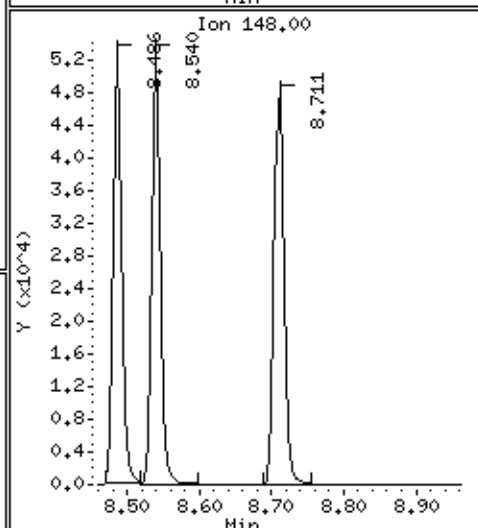
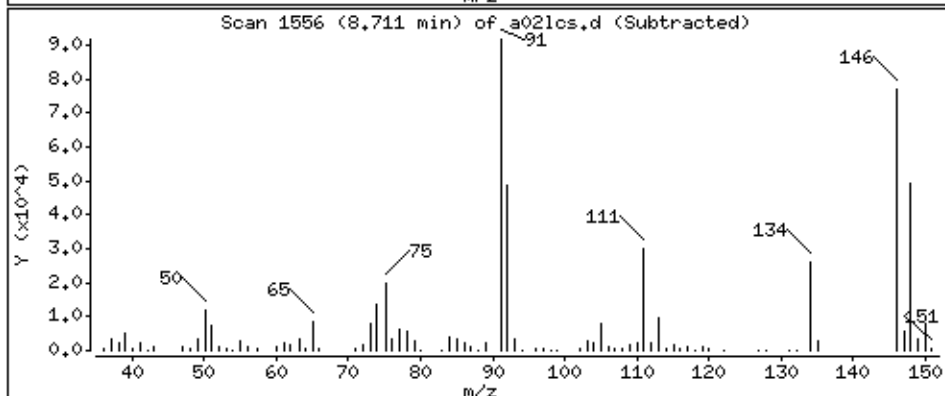
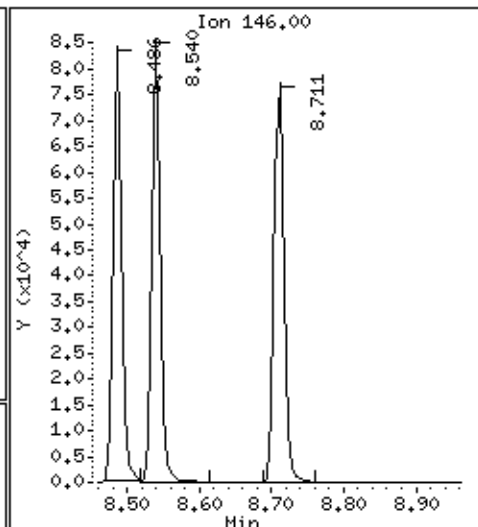
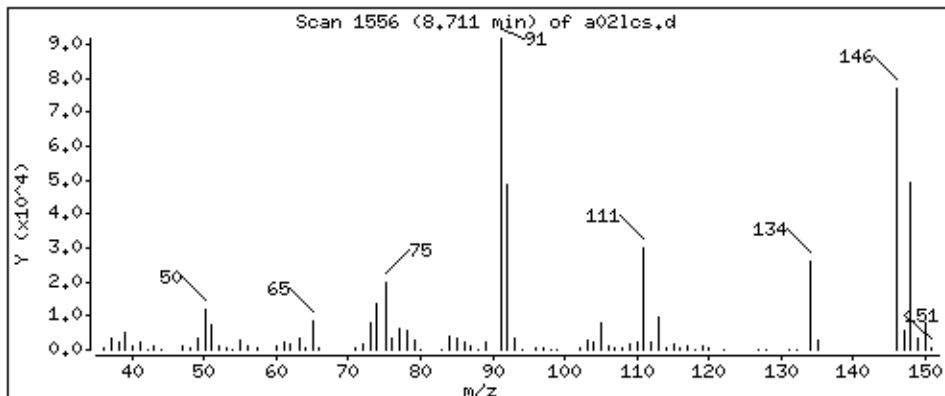
Operator: ala

Column phase: DB-624

Column diameter: 0,18

88 1,2-Dichlorobenzene

Concentration: 43,8 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730;5

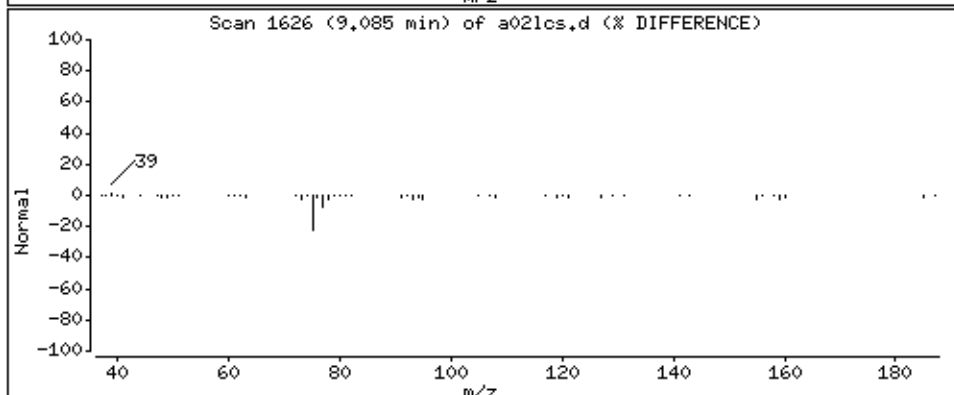
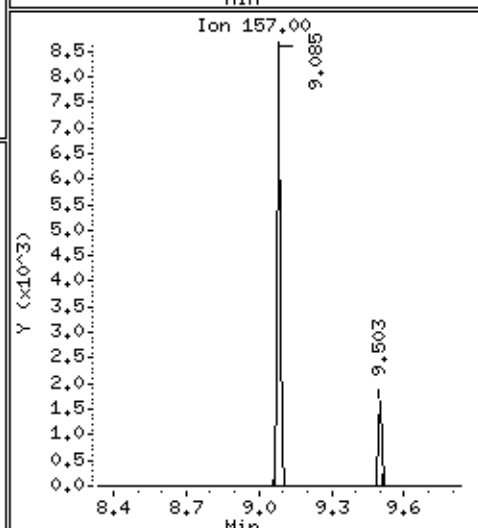
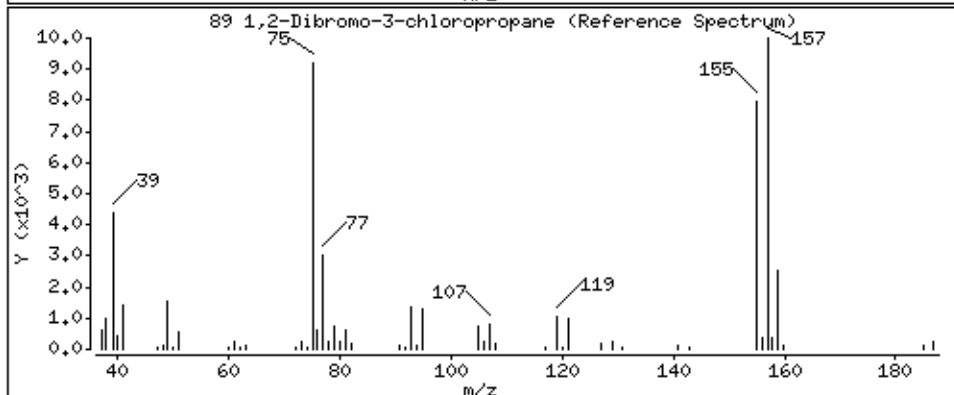
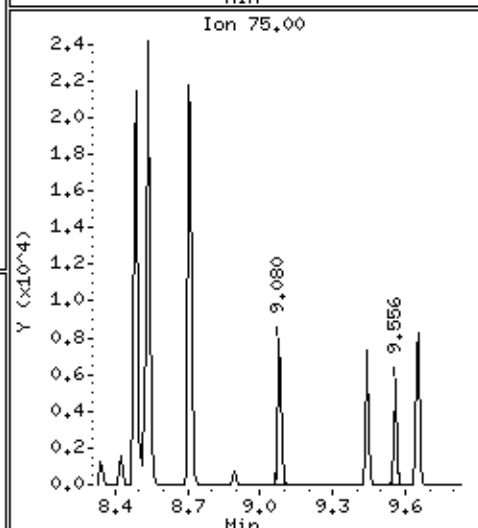
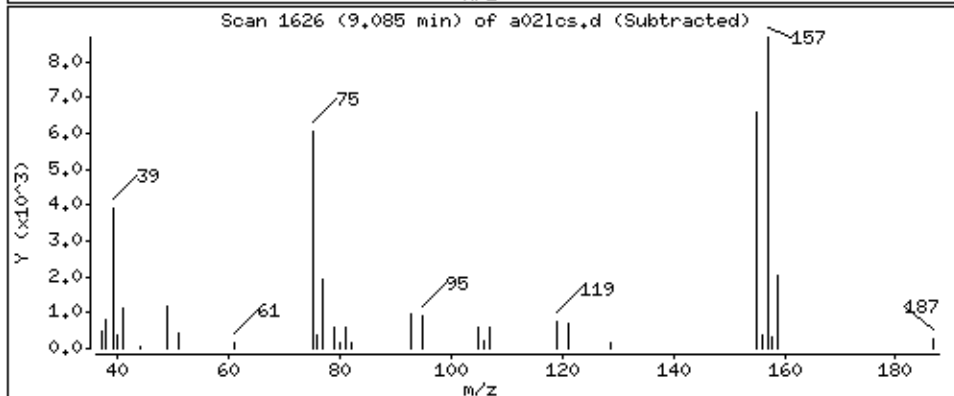
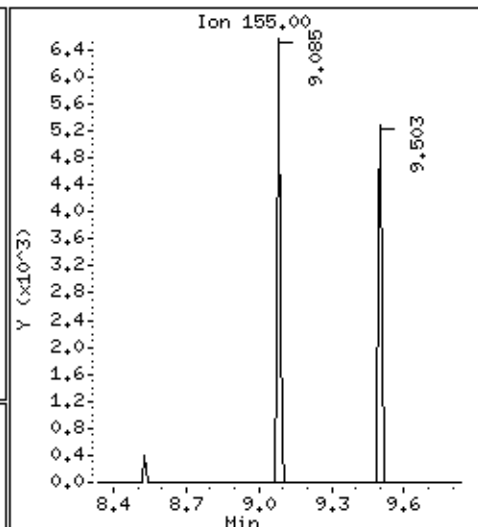
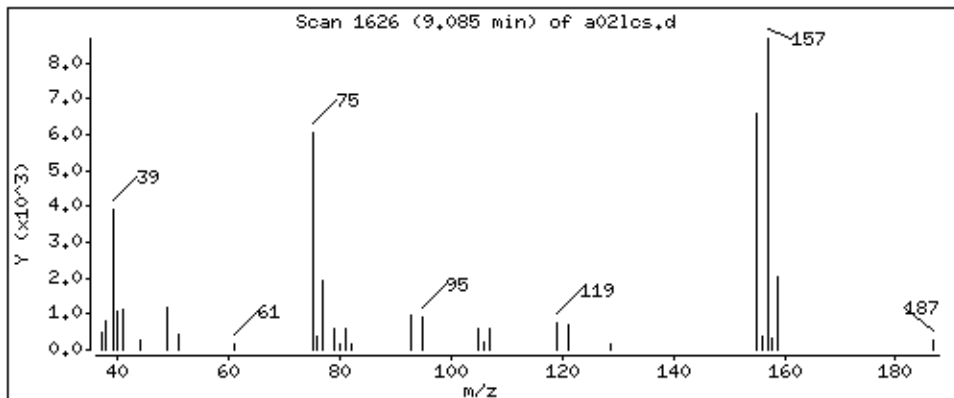
Operator: ala

Column phase: DB-624

Column diameter: 0,18

89 1,2-Dibromo-3-chloropropane

Concentration: 40,6 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

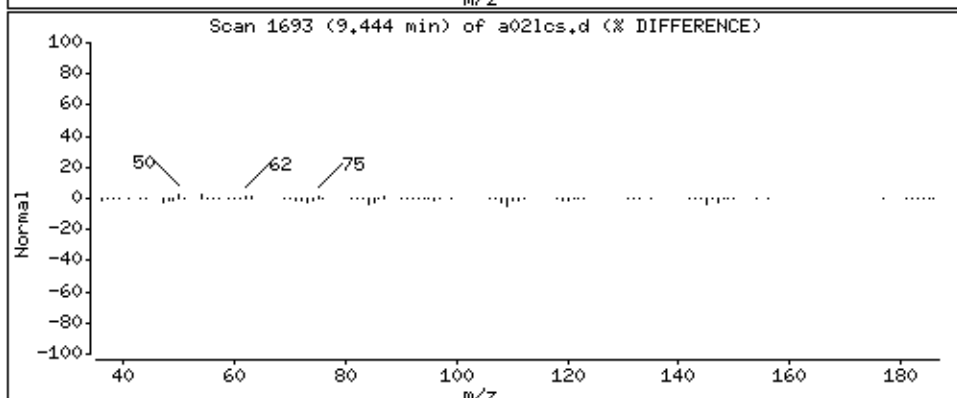
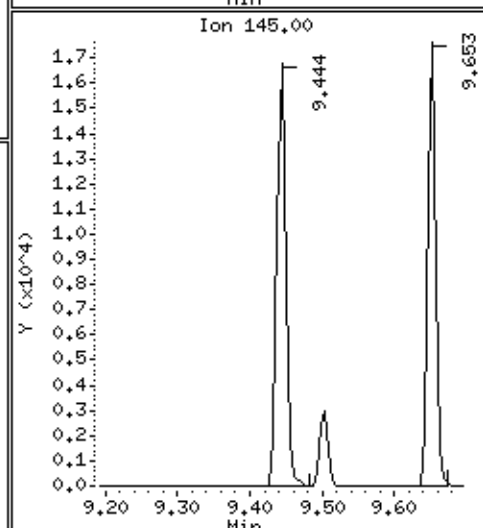
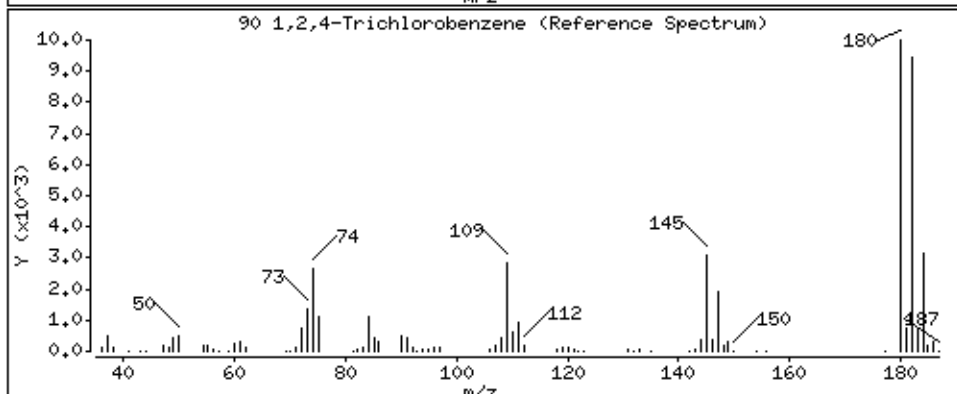
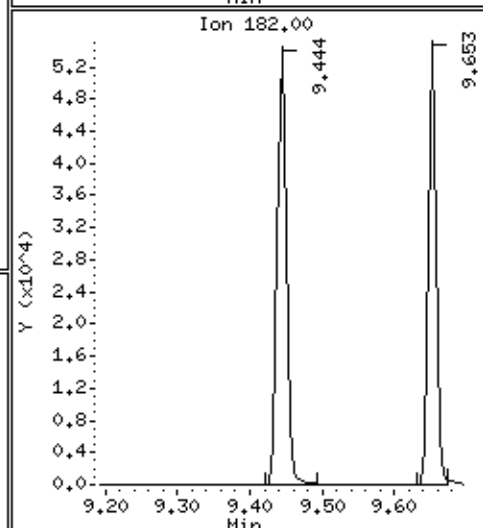
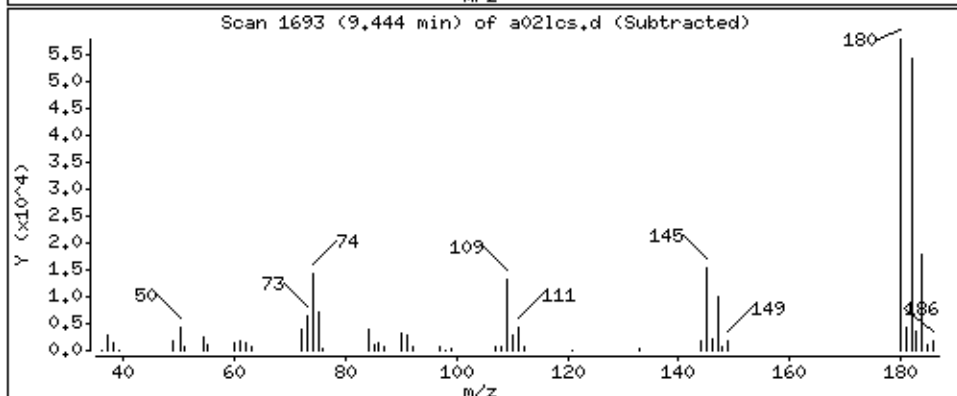
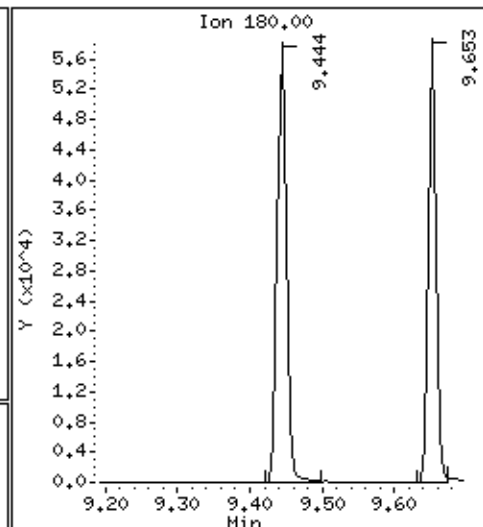
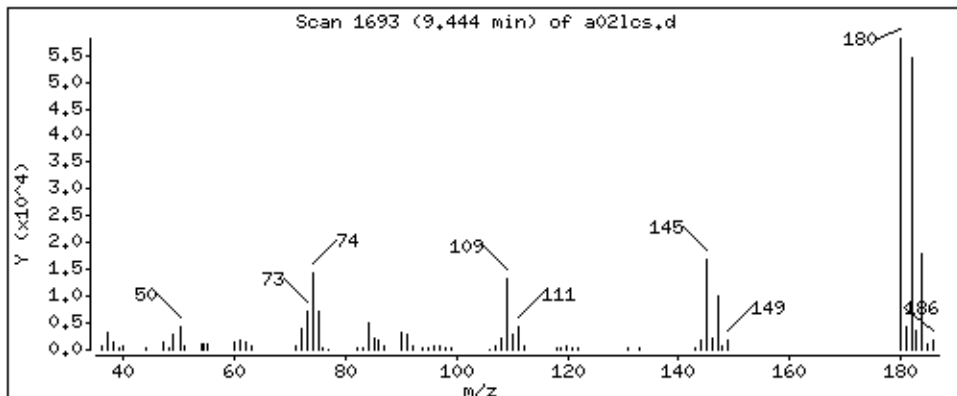
Operator: ala

Column phase: DB-624

Column diameter: 0,18

90 1,2,4-Trichlorobenzene

Concentration: 43,4 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

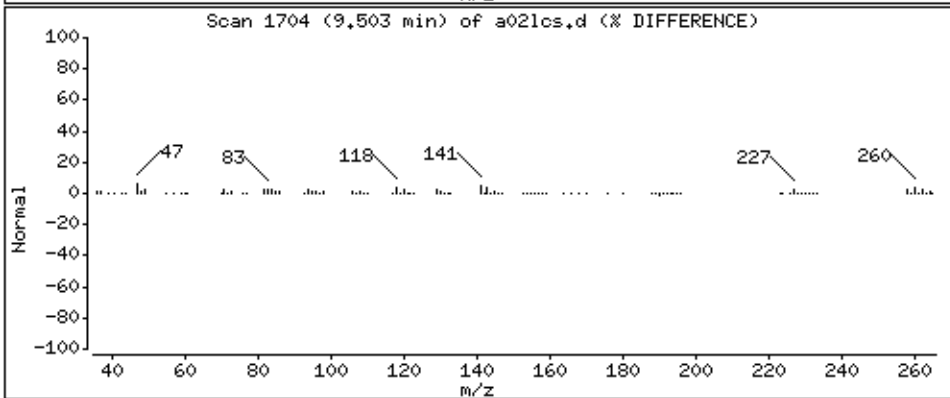
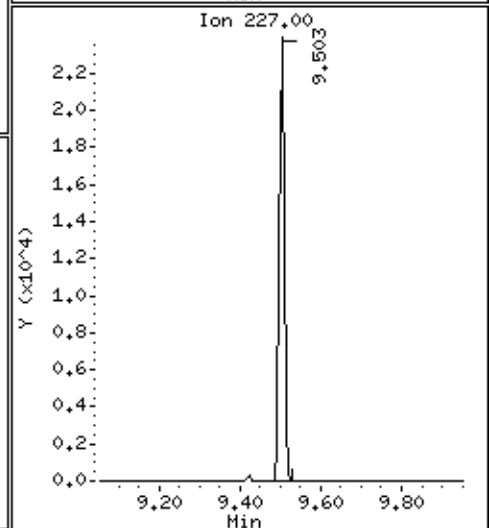
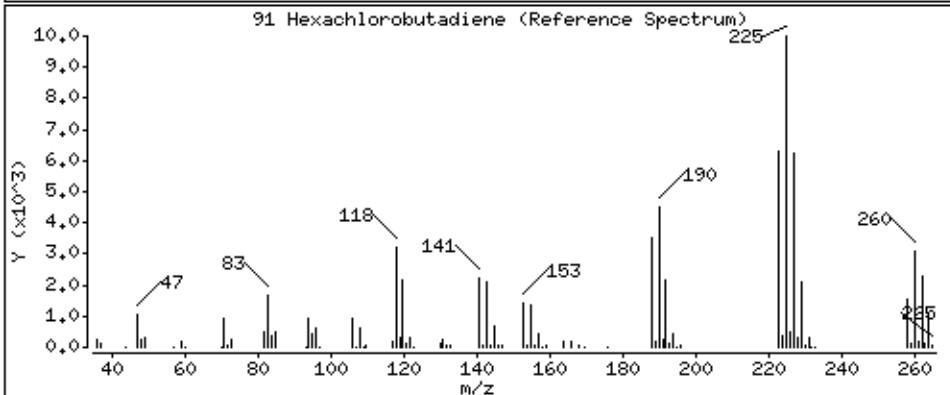
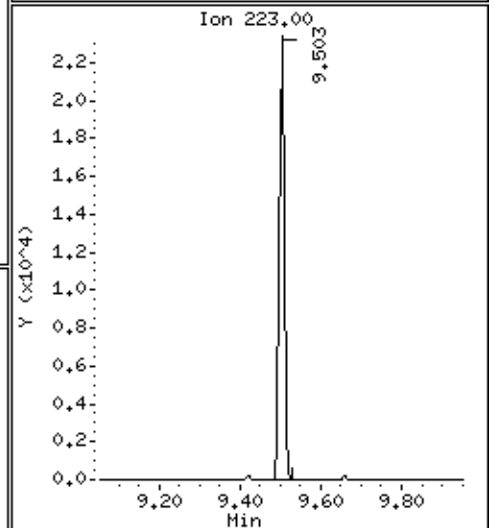
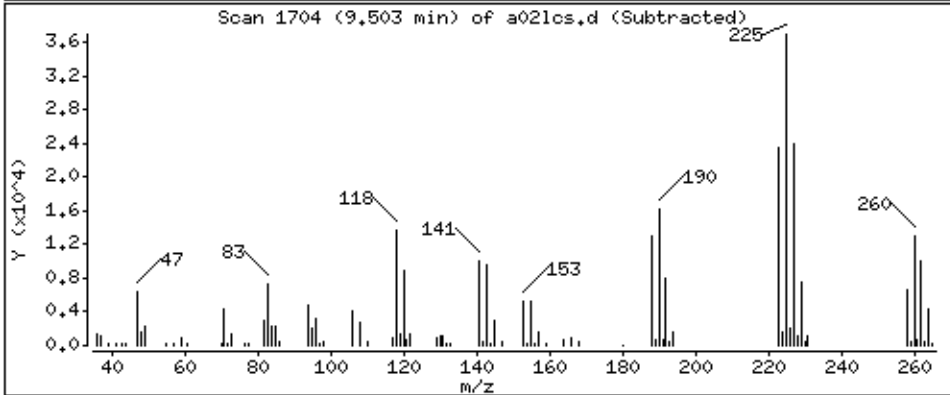
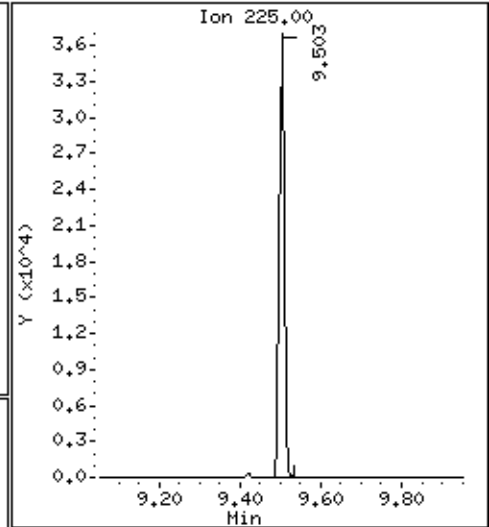
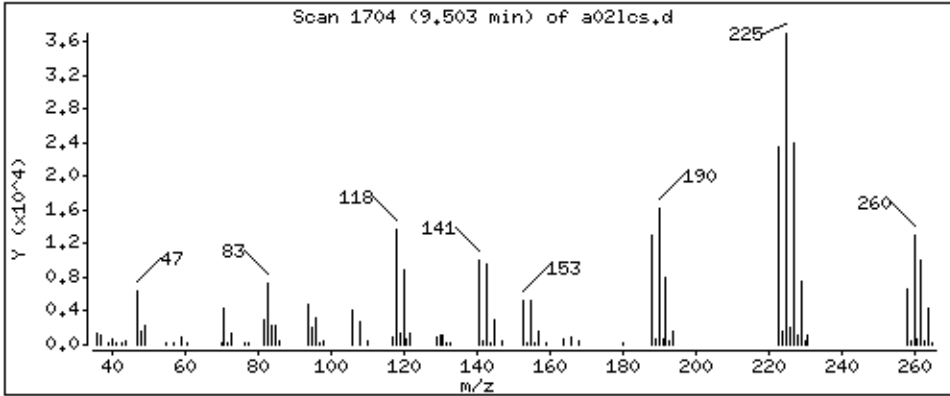
Operator: ala

Column phase: DB-624

Column diameter: 0,18

91 Hexachlorobutadiene

Concentration: 42.7 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

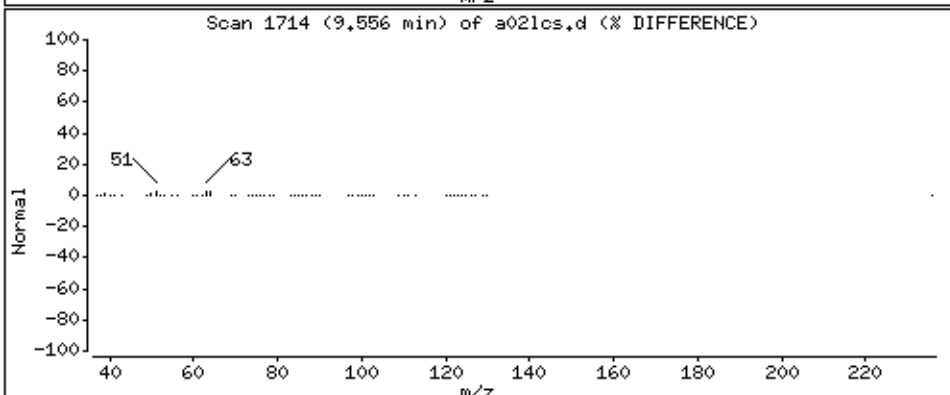
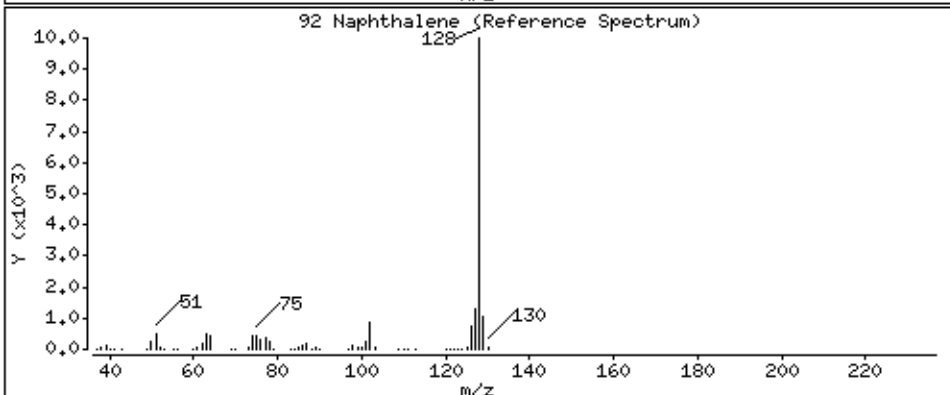
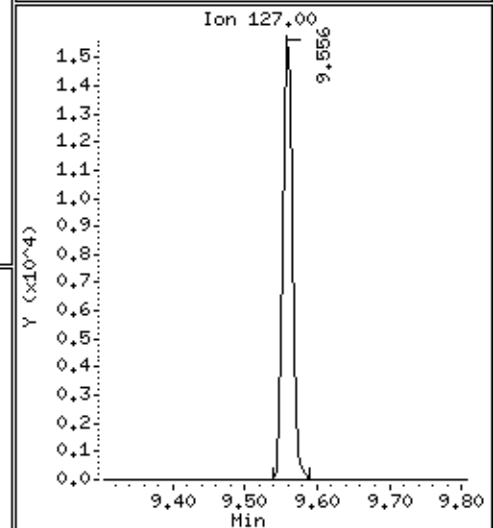
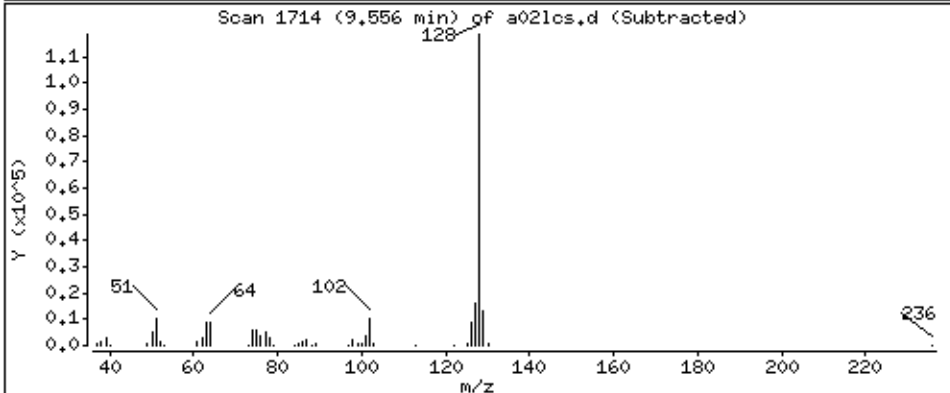
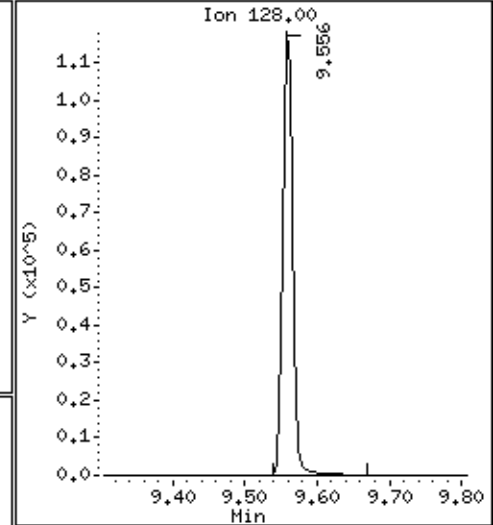
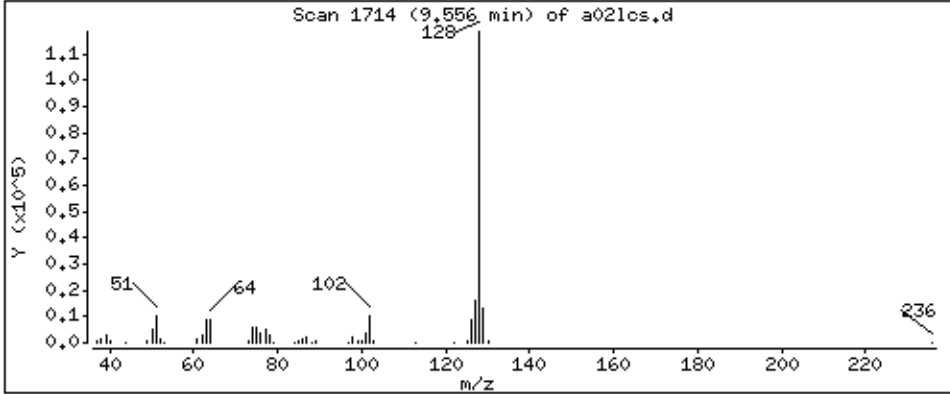
Operator: ala

Column phase: DB-624

Column diameter: 0,18

92 Naphthalene

Concentration: 40,3 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

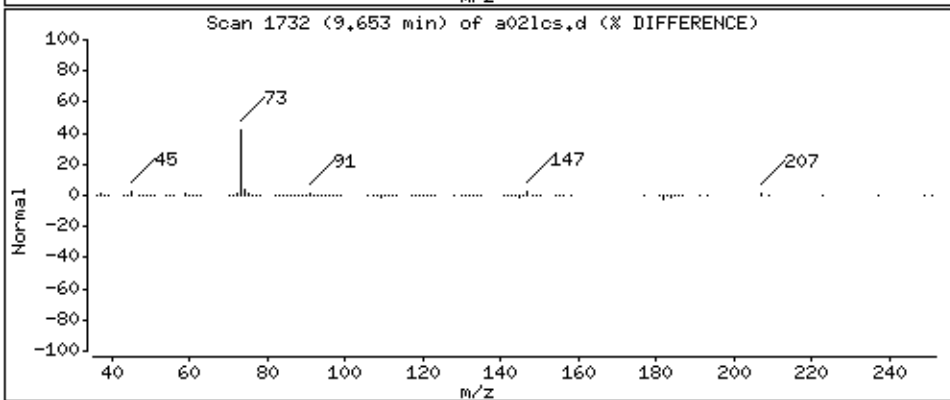
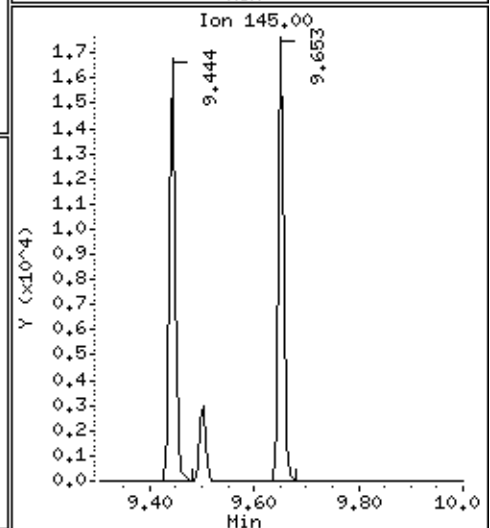
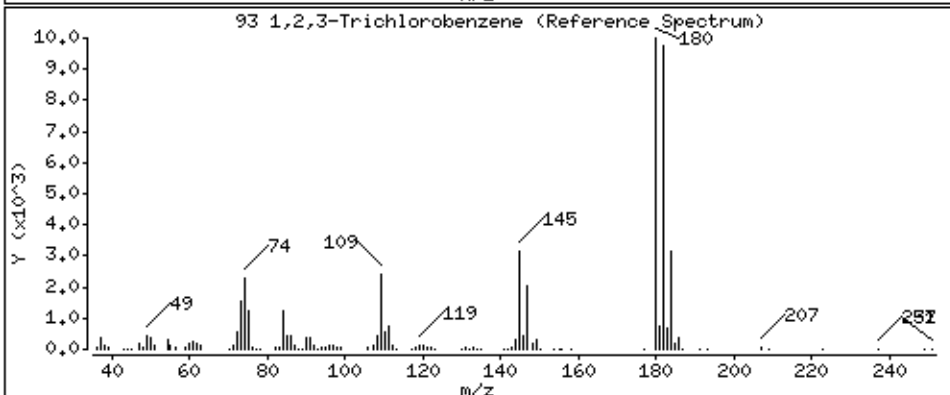
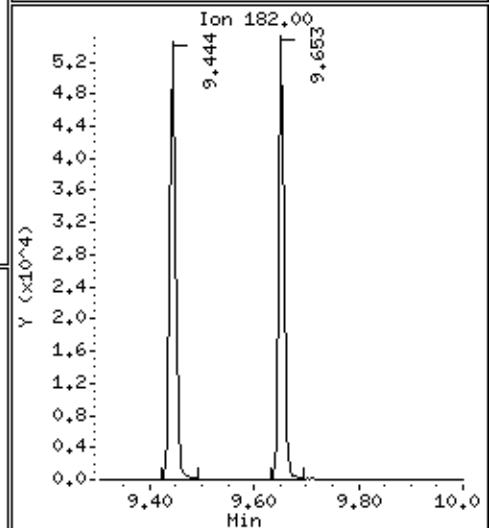
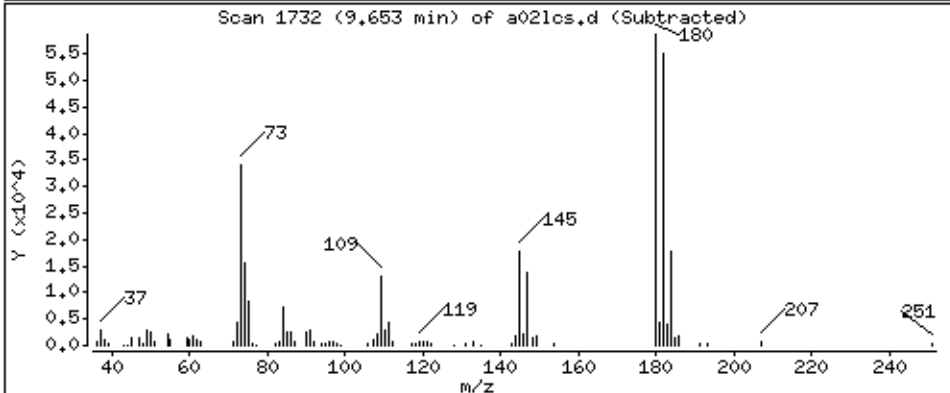
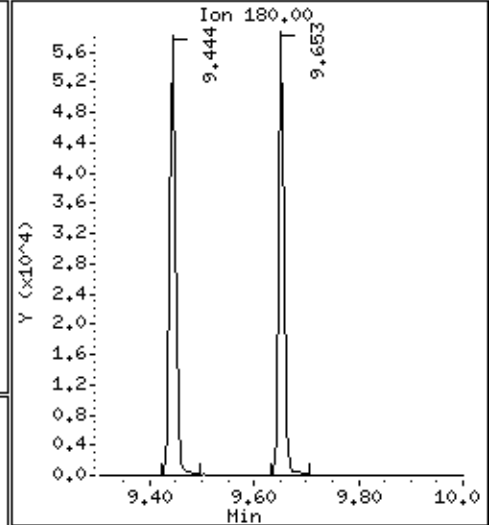
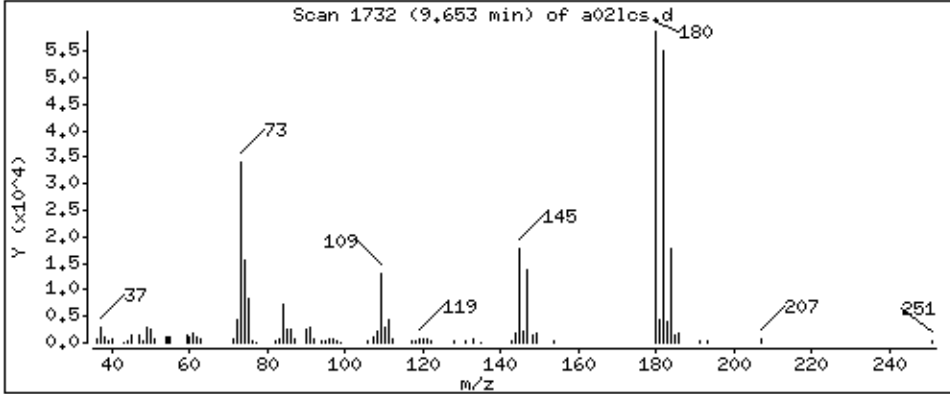
Operator: ala

Column phase: DB-624

Column diameter: 0,18

93 1,2,3-Trichlorobenzene

Concentration: 40,4 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730;5

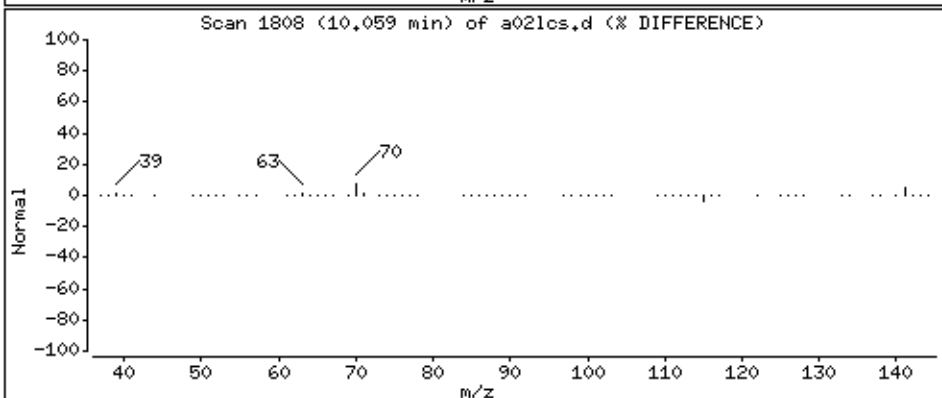
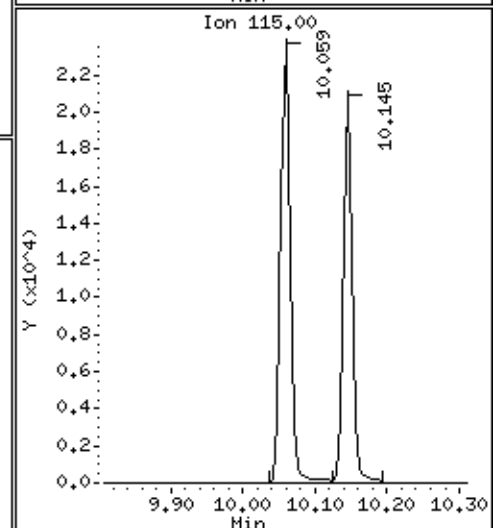
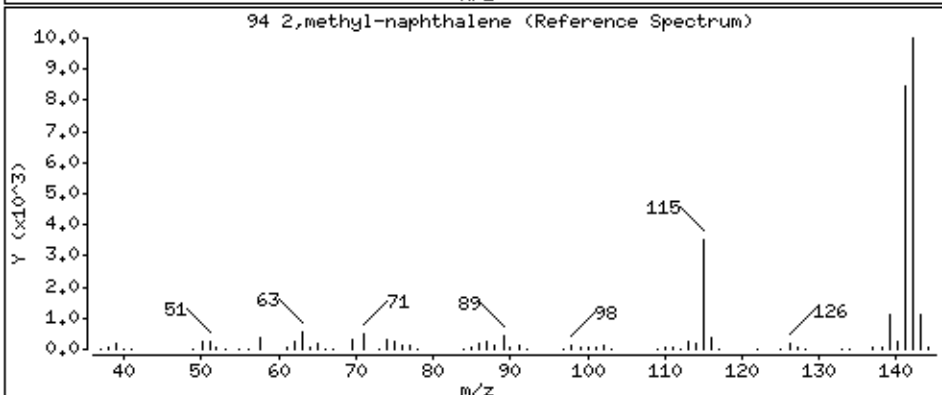
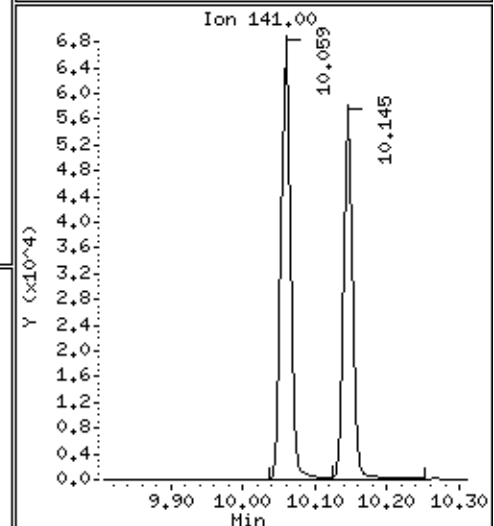
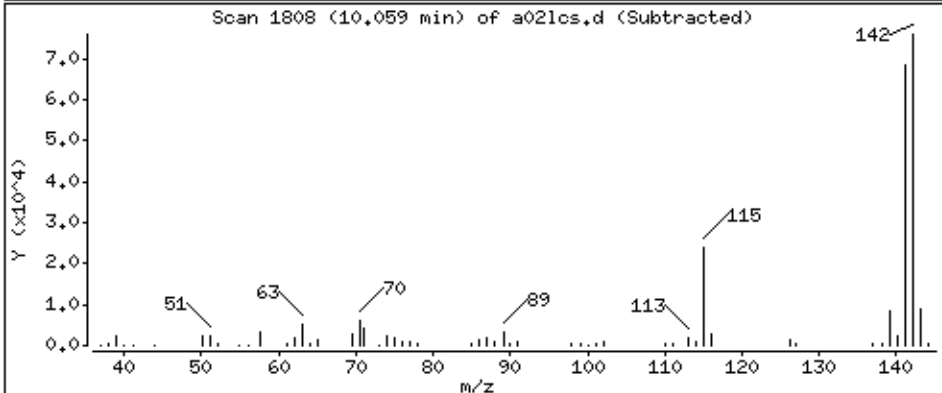
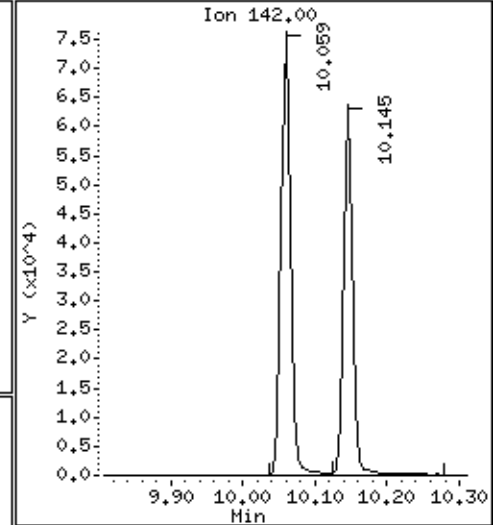
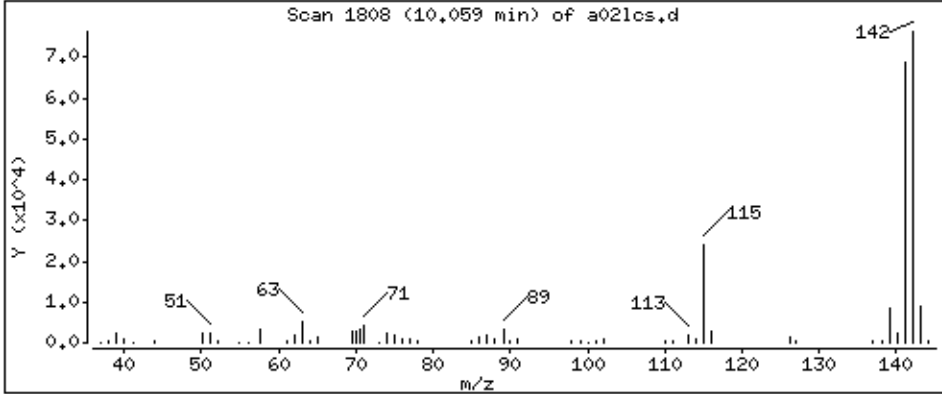
Operator: ala

Column phase: DB-624

Column diameter: 0,18

94 2,methyl-naphthalene

Concentration: 34,1 ppb



Date : 05-SEP-2018 11:48

Client ID: MBLCS

Instrument: 50mv6a.i

Sample Info: 2122927,184730:5

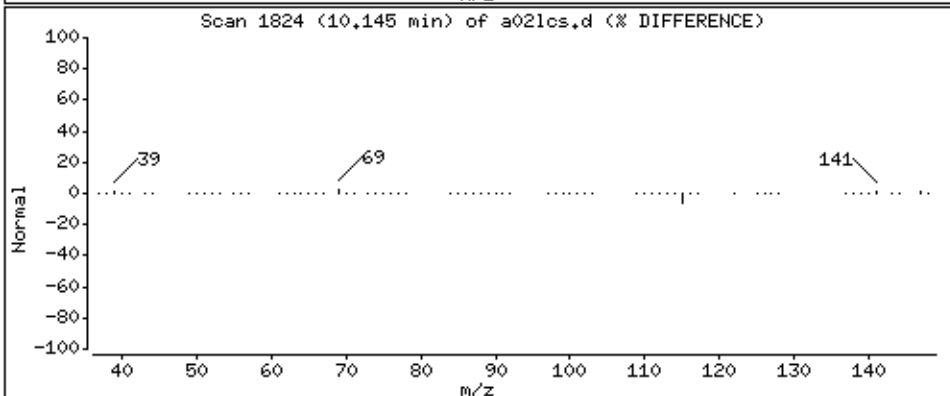
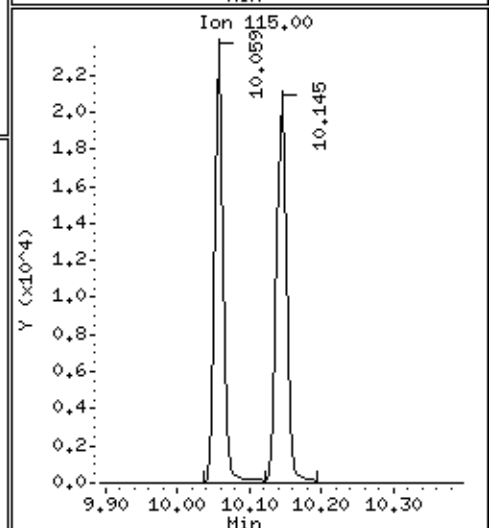
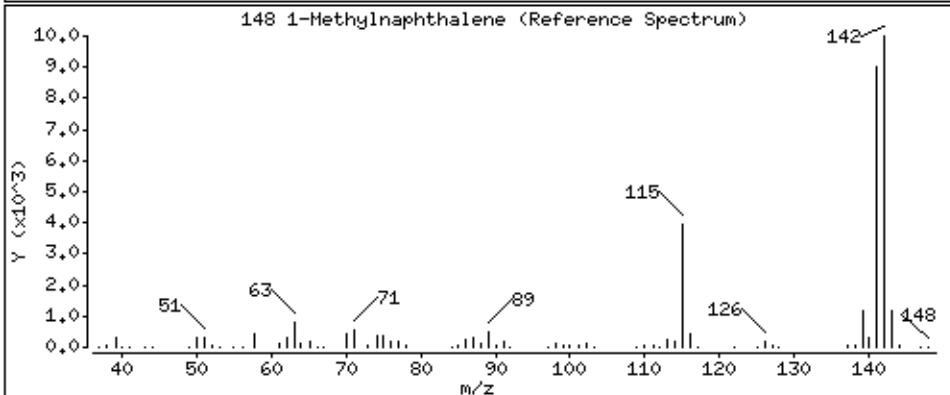
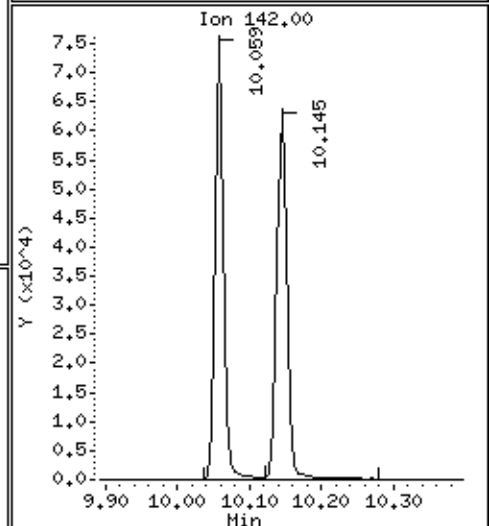
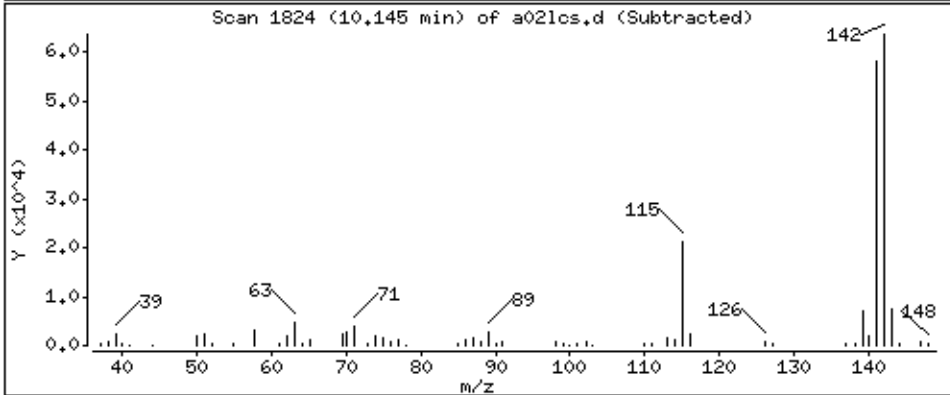
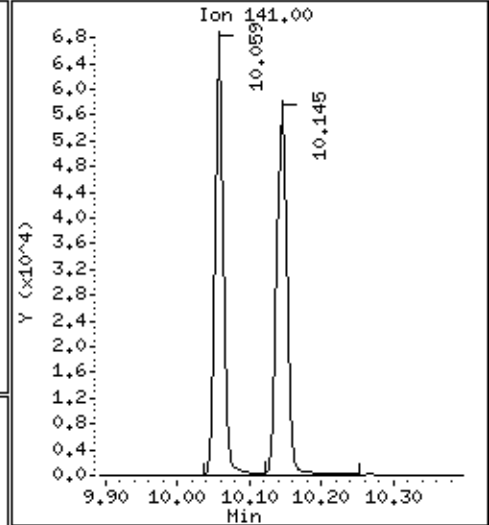
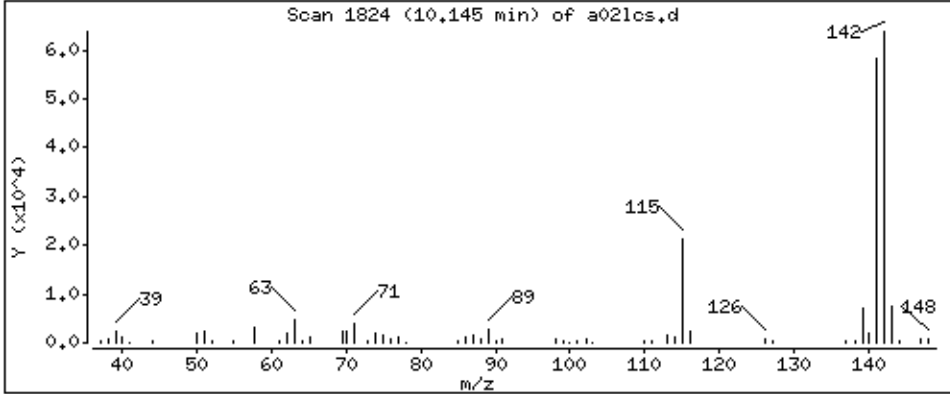
Operator: ala

Column phase: DB-624

Column diameter: 0,18

148 1-Methylnaphthalene

Concentration: 35,6 ppb



Data File: \\192.168.50.6\chem\50mv6a.i\a090518.b/a021cs.d
Injection Date: 05-SEP-2018 11:48
Instrument: 50mv6a.i
Lab Sample ID: 2122927
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv2a.i
 Column DB-624 20m X 0.18mm Helium
 Misc. Prep Info [L]:
 ISTD lot:
 Lot:
 Tune std: _____

Method:
 Surr. lot: 182967:5
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/a00.d	blank	L/	SAMPLE	1	<2	-a8260_a_c/all	8/22/18	12:41	amv	
1/a00bfb.d	8260-TUNE,182982	L/117473	BFB	1	7	-bfb390/all	8/22/18	13:13	amv	/
1/a01cal.d	8260-CAL9,184429	L/117473	CALIB_9	1	<2	-a8260_a_c/all	8/22/18	13:46	amv	/
1/a02cal.d	8260-CAL1,184419	L/117473	CALIB_1	1	<2	-a8260_a_c/all	8/22/18	14:19	amv	/
1/a03cal.d	8260-CAL2,184420	L/117473	CALIB_2	1	<2	-a8260_a_c/all	8/22/18	14:52	amv	/
1/a04cal.d	8260-CAL3,184421	L/117473	CALIB_3	1	<2	-a8260_a_c/all	8/22/18	15:24	amv	/
1/a05cal.d	8260-CAL4,184422	L/117473	CALIB_4	1	<2	-a8260_a_c/all	8/22/18	15:57	amv	/
1/a06cal.d	8260-CAL5,184423	L/117473	CALIB_5	1	<2	-a8260_a_c/all	8/22/18	16:29	amv	/
1/a07cal.d	8260-CAL6,184424	L/117473	CALIB_6	1	<2	-a8260_a_c/all	8/22/18	17:02	amv	/
1/a08cal.d	8260-CAL7,184425	L/117473	CALIB_7	1	<2	-a8260_a_c/all	8/22/18	17:35	amv	/
1/a09cal.d	8260-CAL8,184426	L/117473	CALIB_8	1	<2	-a8260_a_c/all	8/22/18	18:07	amv	/
1/a10.d	rinse	L/	SAMPLE	1	<2	-a8260_a_c/all	8/22/18	18:40	amv	/
1/allicv.d	8260-ICV,184427	L/117473	ICV	1	<2	-a8260_a_c/all	8/22/18	19:13	amv	/
1/c00bfb.d	8260-TUNE,182982	L/117473	BFB	1	7	-bfb390/all	8/22/18	19:45	amv	/
1/c01ccv.d	8260-CCV,184315	L/117473	CCALIB_6	1	7	-a8260_a_c/all	8/22/18	20:18	amv	/
1/c02lcs.d	2114948,184314:5	L/117522	LCS	1	7	-a8260_a_c/all	8/22/18	20:51	amv	/
1/c04mb.d	2114947	L/117522	BLANK	1	7	-a8260_a_c/all	8/22/18	21:23	amv	/
1/c05.d	50203355002	L/117522	SAMPLE	1	<2	-a8260_a_c/all	8/22/18	21:56	amv	/
1/c06.d	50203355003	L/117522	SAMPLE	1	<2	-a8260_a_c/all	8/22/18	22:20	amv	/
1/c07.d	50203355004	L/117522	SAMPLE	1	<2	-a8260_a_c/all	8/22/18	22:45	amv	/
1/c08.d	50203355005	L/117522	SAMPLE	1	<2	-a8260_a_c/all	8/22/18	23:09	amv	/
1/c09.d	50203355006	L/117522	SAMPLE	1	<2	-a8260_a_c/all	8/22/18	23:33	amv	/
1/c10.d	50203355007	L/117522	SAMPLE	1	<2	-a8260_a_c/all	8/22/18	23:58	amv	/
1/c11.d	50203355008	L/117522	SAMPLE	1	<2	-a8260_a_c/all	8/23/18	00:22	amv	/
1/c12.d	50203355009	L/117522	SAMPLE	1	<2	-a8260_a_c/all	8/23/18	00:46	amv	/
1/c13.d	50203355010	L/117522	SAMPLE	1	<2	-a8260_a_c/all	8/23/18	01:11	amv	/
1/c14.d	50203355011	L/117522	SAMPLE	1	<2	-a8260_a_c/all	8/23/18	01:35	amv	/
1/c15.d	50203355012	L/117522	SAMPLE	1	<2	-a8260_a_c/all	8/23/18	02:00	amv	/
1/c16.d	50203355013	L/117522	SAMPLE	1	<2	-a8260_a_c/all	8/23/18	02:24	amv	/
1/c17.d	50203355014	L/117522	SAMPLE	1	<2	-a8260_a_c/all	8/23/18	02:48	amv	/
1/c18.d	50203355015	L/117522	SAMPLE	1	<2	-a8260_a_c/all	8/23/18	03:13	amv	/

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv2a.i\A082218.b
 Matrix Codes: [B]iota, [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 13:52 08/23/2018

Reviewed By/Date: Amv Page: 1 of 2
 8/23/18

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv2a.i
Column DB-624 20m X 0.18mm Helium Method:
Misc. Prep Info [L]:
ISTD lot: Surr. lot: 182967:5
Lot:
Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/c19.d	50203355016	L/117522	SAMPLE	1	<2	-a8260_a_c/all	8/23/18	03:37	amv	/
1/c20.d	50203355017	L/117522	SAMPLE	1	<2	-a8260_a_c/all	8/23/18	04:01	amv	/
1/c21.d	50203355018	L/117522	SAMPLE	1	<2	-a8260_a_c/all	8/23/18	04:26	amv	/
1/c22.d	50203355019	L/117522	SAMPLE	1	<2	-a8260_a_c/all	8/23/18	04:50	amv	/
1/c23.d	50203355020	L/117522	SAMPLE	1	<2	-a8260_a_c/all	8/23/18	05:14	amv	/
1/c24.d	50203355021	L/117522	SAMPLE	1	<2	-a8260_a_c/all	8/23/18	05:39	amv	/
1/c25.d	2114949,184314:5	L/117522	MS	1	<2	-a8260_a_c/all	8/23/18	06:03	amv	/
1/c26.d	2114950,184314:5	L/117522	MSD	1	<2	-a8260_a_c/all	8/23/18	06:28	amv	/

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv2a.i\082218.b
Matrix Codes: [B]iota, [G]as, [L]iquid, [S]olid, [N]one
Report Date: 13:52 08/23/2018

Reviewed By/Date: amv Page: 2 of 2

8/23/18

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv6a.i
 Column DB-624 20m X 0.18mm Helium
 Misc. Prep Info [L]:
 Misc. Prep Info [S]: Sand Lot #182576
 ISTD lot:
 Lot:
 Tune std: _____

Method:
 Surr. lot: 183553:5
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/a00bfb.d	8260-TUNE,184846	L/117677	BFB	1	7	-bfb/all	8/28/18	13:40	ala	
1/a01.d	8260-CAL1,184847	L/117677	CALIB_1	1	<2	-a8260sl_a_c/a	8/28/18	14:20	ala	
1/a02.d	8260-CAL2,184848	L/117677	CALIB_2	1	<2	-a8260sl_a_c/a	8/28/18	14:59	ala	
1/a03.d	8260-CAL3,184849	L/117677	CALIB_3	1	<2	-a8260sl_a_c/a	8/28/18	15:37	ala	
1/a04.d	8260-CAL4,184850	L/117677	CALIB_4	1	<2	-a8260sl_a_c/a	8/28/18	16:15	ala	
1/a05.d	8260-CAL5,184851	L/117677	CALIB_5	1	<2	-a8260sl_a_c/a	8/28/18	16:53	ala	
1/a06.d	8260-CAL6,184852	L/117677	CALIB_6	1	<2	-a8260sl_a_c/a	8/28/18	17:31	ala	
1/a07.d	8260-CAL7,184853	L/117677	CALIB_7	1	<2	-a8260sl_a_c/a	8/28/18	18:09	ala	
1/a08.d	8260-CAL8,184854	L/117677	CALIB_8	1	<2	-a8260sl_a_c/a	8/28/18	18:47	ala	
1/a09mb.d	BLANK	L/	BLANK	1	7	-a8260sl_a_c/a	8/28/18	19:25	ala	
1/a10icv.d	8260-ICV,184855	L/117677	ICV	1	<2	-a8260sl_a_c/a	8/28/18	20:02	ala	
1/c00bfb.d	8260-TUNE,183587	L/117677	BFB	1	7	-bfb/all	8/28/18	20:42	ala	
1/c01ccv.d	8260-CCV,184856	L/117677	CCALIB_6	1	7	-a8260sl_a_c/a	8/28/18	21:20	ala	
1/c02lcs.d	2118757,184730:5	S/117695	LCS	1		-a8260sl_a_c/a	8/28/18	21:58	ala	Sand Lot: Sand Lot #182576
1/c03mb.d	2118756	S/117695	BLANK	1		-a8260sl_a_c/a	8/28/18	22:36	ala	Sand Lot: Sand Lot #182576
1/c04lcs.d	MeOH LCS,184730:	S/	LCS	1		-a8260sl_a_c/a	8/28/18	23:14	ala	Sand Lot: Sand Lot #182576
1/c05mb.d	MeOH MB	S/	BLANK	1		-a8260sl_a_c/a	8/28/18	23:52	ala	Sand Lot: Sand Lot #182576
1/c06.d	50203793010x50	S/117657	SAMPLE	50		-a8260sl_a_c/a	8/29/18	00:30	ala	
1/c07.d	50203686001	S/117694	SAMPLE	1		-a8260sl_a_c/a	8/29/18	01:08	ala	
1/c08.d	50203686002	S/117694	SAMPLE	1		-a8260sl_a_c/a	8/29/18	01:46	ala	
1/c09.d	50203793002	S/117694	SAMPLE	1		-a8260sl_a_c/a	8/29/18	02:24	ala	
1/c10.d	50203793014x50	S/117694	SAMPLE	50		-a8260sl_a_c/a	8/29/18	03:02	ala	
1/c11.d	50203793018	S/117694	SAMPLE	1		-a8260sl_a_c/a	8/29/18	03:40	ala	
1/c12.d	50203793020	S/117694	SAMPLE	1		-a8260sl_a_c/a	8/29/18	04:19	ala	
1/c13.d	50203793022	S/117694	SAMPLE	1		-a8260sl_a_c/a	8/29/18	04:57	ala	
1/c14.d	50204273001	S/117695	SAMPLE	1		-a8260sl_a_c/a	8/29/18	05:35	ala	
1/c15.d	50204273002	S/117695	SAMPLE	1		-a8260sl_a_c/a	8/29/18	06:13	ala	
1/c16.d	50204273003	S/117695	SAMPLE	1		-a8260sl_a_c/a	8/29/18	06:52	ala	
1/c17.d	2118758,184730:5	S/117695	MS	1		-a8260sl_a_c/a	8/29/18	07:30	ala	
1/c18.d	2118759,184730:5	S/117695	MSD	1		-a8260sl_a_c/a	8/29/18	08:08	ala	

Comments: All water samples have a pH below 2 unless otherwise noted. **N/A**

File Path 1: \\192.168.50.6\chem\50mv6a.i\082818cal.b
 Matrix Codes: [B]iota, [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 13:58 08/29/2018

Reviewed By/Date: **MA** Page: 1 of 1

PJA18

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv2a.i
 Column DB-624 20m X 0.18mm Helium Method:
 Misc. Prep Info [L]: If pH = 0 , then analysis w/i 7 days of collection
 ISTD lot: Surr. lot: 182967:5
 Lot:
 Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/a00bfb.d	8260-TUNE,182982	L/117473	BFB	1	7	-bfb390/all	9/01/18	16:16	amv	/
1/a01ccv-dw.d	8260-CCV,185275:	L/117473	CCV	1	<2	-a8260_a_c/all	9/01/18	16:40	amv	/
1/a01ccv.d	8260-CCV,185275:	L/117473	CCALIB_6	1	7	-a8260_a_c/all	9/01/18	16:40	amv	/
1/a02lcs.d	LCS,184314:5	L/	LCS	1	7	-a8260_a_c/all	9/01/18	17:05	amv	/
1/a03mb.d	MB	L/	BLANK	1	7	-a8260_a_c/all	9/01/18	17:29	amv	/
1/a04.d	50204139003x10	L/117836	SAMPLE	10	<2	-a8260_a_c/all	9/01/18	17:53	amv	/
1/a05.d	50204239009x10	L/117835	SAMPLE	10	<2	-a8260_a_c/all	9/01/18	18:18	amv	/
1/a06.d	50204239010x10	L/117835	SAMPLE	10	<2	-a8260_a_c/all	9/01/18	18:42	amv	/
1/a07.d	50203947001	L/117837	SAMPLE	1	<2	-a8260_a_c/all	9/01/18	19:07	amv	/
1/a08.d	50204396001	L/117837	SAMPLE	1	<2	-a8260_a_c/all	9/01/18	19:31	amv	/
1/a09.d	50204217001	L/117837	SAMPLE	1	<2	-a8260_a_c/all	9/01/18	19:56	amv	/
1/a10.d	50204217002	L/117837	SAMPLE	1	<2	-a8260_a_c/all	9/01/18	20:20	amv	/
1/a11.d	50204217003	L/117837	SAMPLE	1	<2	-a8260_a_c/all	9/01/18	20:44	amv	/
1/a12.d	50204217004	L/117837	SAMPLE	1	<2	-a8260_a_c/all	9/01/18	21:09	amv	/
1/a13.d	50204217005	L/117837	SAMPLE	1	<2	-a8260_a_c/all	9/01/18	21:33	amv	/
1/a14.d	50204217006	L/117837	SAMPLE	1	<2	-a8260_a_c/all	9/01/18	21:57	amv	/
1/a15.d	50204217007	L/117837	SAMPLE	1	<2	-a8260_a_c/all	9/01/18	22:22	amv	/
1/a16.d	50204217008	L/117837	SAMPLE	1	<2	-a8260_a_c/all	9/01/18	22:46	amv	/
1/a17.d	50204217010	L/117837	SAMPLE	1	<2	-a8260_a_c/all	9/01/18	23:11	amv	/
1/a18.d	50204217011	L/117837	SAMPLE	1	<2	-a8260_a_c/all	9/01/18	23:35	amv	/
1/a19.d	50204318001	L/117837	SAMPLE	1	<2	-a8260_a_c/all	9/02/18	00:00	amv	/
1/a20.d	50204318002	L/117837	SAMPLE	1	<2	-a8260_a_c/all	9/02/18	00:24	amv	/
1/a21.d	50204554001	L/117837	SAMPLE	1	<2	-a8260_a_c/all	9/02/18	00:49	amv	/
1/a22.d	50204554002	L/117837	SAMPLE	1	<2	-a8260_a_c/all	9/02/18	01:13	amv	/
1/a23.d	50204318003	L/117837	SAMPLE	1	<2	-a8260_a_c/all	9/02/18	01:37	amv	/
1/a24.d	ms	L/117837	SAMPLE	1	<2	-a8260_a_c/all	9/02/18	02:02	amv	/
1/a25.d	ms	L/117837	SAMPLE	1	<2	-a8260_a_c/all	9/02/18	02:26	amv	/
1/c00bfb.d	8260-TUNE,182982	L/117473	BFB	1	7	-bfb390/all	9/02/18	02:51	amv	/
1/c01ccv.d	8260-CCV,185275:	L/117297	CCALIB_6	1	7	-a8260_a_c/all	9/02/18	03:25	amv	/
1/c02lcs.d	LCS,184314:5	L/	LCS	1	7	-a8260_a_c/all	9/02/18	03:40	amv	/
1/c03mb.d	mb	L/	BLANK	1	7	-a8260_a_c/all	9/02/18	04:04	amv	/

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv2a.i\A090118.b
 Matrix Codes: [B]iota, [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 10:50 09/04/2018

Reviewed By/Date: amv Page: 1 of 4

9/14/18

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv2a.i
 Column DB-624 20m X 0.18mm Helium Method:
 Misc. Prep Info [L]: If pH = 0 , then analysis w/i 7 days of collection
 ISTD lot: Surr. lot: 182967:5
 Lot:
 Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/e11.d	50204446005	L/117839	SAMPLE	1	<2	-a8260_a_c/all	9/02/18	18:03	amv	
1/e12.d	50204696001	L/117839	SAMPLE	1	<2	-a8260_a_c/all	9/02/18	18:27	amv	
1/e13.d	50204656001x25	L/117839	SAMPLE	25	<2	-a8260_a_c/all	9/02/18	18:52	amv	
1/e14.d	50204656003x25	L/117839	SAMPLE	25	<2	-a8260_a_c/all	9/02/18	19:16	amv	
1/e15.d	50204656004x25	L/117839	SAMPLE	25	<2	-a8260_a_c/all	9/02/18	19:40	amv	
1/e16.d	50204718001	L/117839	SAMPLE	1	<2	-a8260_a_c/all	9/02/18	20:05	amv	
1/e17.d	50204363001	L/117839	SAMPLE	1	<2	-a8260_a_c/all	9/02/18	20:29	amv	
1/e18.d	50204363002	L/117839	SAMPLE	1	<2	-a8260_a_c/all	9/02/18	20:54	amv	
1/e19.d	50204244001	L/117839	SAMPLE	1	<2	-a8260_a_c/all	9/02/18	21:18	amv	
1/e20.d	50204244002	L/117839	SAMPLE	1	<2	-a8260_a_c/all	9/02/18	21:43	amv	
1/e21.d	50204387002	L/117839	SAMPLE	1	<2	-a8260_a_c/all	9/02/18	22:07	amv	
1/e22.d	50204387001	L/117839	SAMPLE	1	<2	-a8260_a_c/all	9/02/18	22:32	amv	
1/e23.d	50204446016	L/117839	SAMPLE	1	<2	-a8260_a_c/all	9/02/18	22:56	amv	
1/e24.d	50204446006	L/117839	SAMPLE	1	<2	-a8260_a_c/all	9/02/18	23:20	amv	
1/e25.d	dup	L/117839	SAMPLE	1	<2	-a8260_a_c/all	9/02/18	23:45	amv	
1/e26.d	ms	L/117839	SAMPLE	1	<2	-a8260_a_c/all	9/03/18	00:09	amv	
1/g00bfb.d	8260-TUNE,182982	L/117473	BFB	1	7	-bfb390/all	9/03/18	00:34	amv	Failed, used ccv
1/g01ccv-bfb.d	8260-TUNE,182982	L/117473	BFB	1	7	-bfb390/all	9/03/18	00:58	amv	
1/g01ccv.d	8260-CCV,184315	L/117473	CCALIB_6	1	7	-a8260_a_c/all	9/03/18	00:58	amv	✓
1/g02lcs.d	LCS,184314:5	L/117840	LCS	1	7	-a8260_a_c/all	9/03/18	01:22	amv	✓
1/g03mb.d	mb	L/117840	BLANK	1	7	-a8260_a_c/all	9/03/18	01:47	amv	✓
1/g04.d	50204446007	L/117840	SAMPLE	1	<2	-a8260_a_c/all	9/03/18	02:11	amv	
1/g05.d	50204446008	L/117840	SAMPLE	1	<2	-a8260_a_c/all	9/03/18	02:36	amv	
1/g06.d	50204446009	L/117840	SAMPLE	1	<2	-a8260_a_c/all	9/03/18	03:00	amv	
1/g07.d	50204446010	L/117840	SAMPLE	1	<2	-a8260_a_c/all	9/03/18	03:25	amv	
1/g08.d	50204446011	L/117840	SAMPLE	1	<2	-a8260_a_c/all	9/03/18	03:49	amv	
1/g09.d	50204446012	L/117840	SAMPLE	1	<2	-a8260_a_c/all	9/03/18	04:14	amv	
1/g10.d	50204446013	L/117840	SAMPLE	1	<2	-a8260_a_c/all	9/03/18	04:38	amv	
1/g11.d	50204446014	L/117840	SAMPLE	1	<2	-a8260_a_c/all	9/03/18	05:03	amv	
1/g12.d	50204446015	L/117840	SAMPLE	1	<2	-a8260_a_c/all	9/03/18	05:27	amv	
1/g13.d	50204446017	L/117840	SAMPLE	1	<2	-a8260_a_c/all	9/03/18	05:52	amv	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv2a.i\A090118.b
 Matrix Codes: [B]iota, [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 10:50 09/04/2018

Reviewed By/Date: amv Page: 3 of 4

9/4/18

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv2a.i
Column DB-624 20m X 0.18mm Helium Method:
Misc. Prep Info [L]: If pH = 0 , then analysis w/i 7 days of collection
ISTD lot: Surr. lot: 182967:5
Lot:
Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/g14.d	50204570001	L/117840	SAMPLE	1	<2	-a8260_a_c/all	9/03/18	06:16	amv	
1/g15.d	50204570002	L/117840	SAMPLE	1	<2	-a8260_a_c/all	9/03/18	06:41	amv	
1/g16.d	50204570003	L/117840	SAMPLE	1	<2	-a8260_a_c/all	9/03/18	07:05	amv	
1/g17.d	50204570004	L/117840	SAMPLE	1	<2	-a8260_a_c/all	9/03/18	07:30	amv	
1/g18.d	50204570005	L/117840	SAMPLE	1	<2	-a8260_a_c/all	9/03/18	07:54	amv	
1/g19.d	50204570006	L/117840	SAMPLE	1	<2	-a8260_a_c/all	9/03/18	08:19	amv	
1/g20.d	50204570007	L/117840	SAMPLE	1	<2	-a8260_a_c/all	9/03/18	08:43	amv	
1/g21.d	50204570008	L/117840	SAMPLE	1	<2	-a8260_a_c/all	9/03/18	09:08	amv	
1/g22.d	50204570009	L/117840	SAMPLE	1	<2	-a8260_a_c/all	9/03/18	09:32	amv	
1/g23.d	50204570010	L/117840	SAMPLE	1	<2	-a8260_a_c/all	9/03/18	09:57	amv	
1/g24.d	dup	L/117840	SAMPLE	1	<2	-a8260_a_c/all	9/03/18	10:21	amv	
1/g25.d	ms	L/117840	SAMPLE	1	<2	-a8260_a_c/all	9/03/18	10:46	amv	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv2a.i\A090118.b
Matrix Codes: [B]iota, [G]as, [L]iquid, [S]olid, [N]one
Report Date: 10:50 09/04/2018

Reviewed By/Date: amv Page: 4 of 4

9/4/18

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv6a.i
 Column DB-624 20m X 0.18mm Helium
 Misc. Prep Info [L]:
 Misc. Prep Info [S]: Sand Lot #182576
 ISTD lot:
 Lot:
 Tune std: _____

Method:
 Surr. lot: 183553:5
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/a00.d	awake	L/	SAMPLE	1	<2	-a8260sl_a_c/a	9/04/18	09:15	ala	
1/a01bfb.d	8260-TUNE,183587	L/117677	BFB	1	7	-bfb/all	9/04/18	09:53	ala	
1/a02ccv.d	8260-CCV,184856:	L/117677	CCALIB_6	1	7	-a8260sl_a_c/a	9/04/18	10:31	ala	
1/a03lcs.d	2122225,184730	S/117853	LCS	1		-a8260sl_a_c/a	9/04/18	11:10	ala	Sand Lot: Sand Lot #182576
1/a04mb.d	2122224	S/117853	BLANK	1		-a8260sl_a_c/a	9/04/18	11:48	ala	Sand Lot: Sand Lot #182576
1/a05lcs.d	MeOH LCS,184730:	S/	LCS	1		-a8260sl_a_c/a	9/04/18	12:26	ala	Sand Lot: Sand Lot #182576
1/a06mb.d	MeOH MB	S/	BLANK	1		-a8260sl_a_c/a	9/04/18	13:05	ala	Sand Lot: Sand Lot #182576
1/a07.d	50204364017x1000	S/117854	SAMPLE	1000		-a8260sl_a_c/u	9/04/18	13:43	ala	Not needed
1/a08.d	50204364017x100	S/117854	SAMPLE	100		-a8260sl_a_c/u	9/04/18	14:21	ala	
1/a09.d	50204366006x1000	S/117821	SAMPLE	1000		-a8260sl_a_c/u	9/04/18	14:59	ala	
1/a10.d	50204130002x500	S/117822	SAMPLE	500		-a8260sl_a_c/u	9/04/18	15:37	ala	
1/a11.d	50204130008x50	S/117853	SAMPLE	50		-a8260sl_a_c/u	9/04/18	16:15	ala	
1/a12.d	2122226x50,18473	S/117853	MS	50		-a8260sl_a_c/u	9/04/18	16:53	ala	
1/a13.d	2122227x50,18473	S/117853	MSD	50		-a8260sl_a_c/u	9/04/18	17:32	ala	
1/a14.d	50204130009	S/117853	SAMPLE	1		-a8260sl_a_c/u	9/04/18	18:10	ala	
1/a15.d	2122228,184730:5	S/117853	MS	1		-a8260sl_a_c/u	9/04/18	18:48	ala	
1/a16.d	2122229,184730:5	S/117853	MSD	1		-a8260sl_a_c/u	9/04/18	19:26	ala	
1/a17.d	50204130010	S/117853	SAMPLE	1		-a8260sl_a_c/u	9/04/18	20:04	ala	
1/a18.d	50204130012	S/117853	SAMPLE	1		-a8260sl_a_c/u	9/04/18	20:42	ala	
1/a19.d	50204247001	S/117853	SAMPLE	1		-a8260sl_a_c/u	9/04/18	21:20	ala	
1/c00bfb.d	8260-TUNE,183587	L/117677	BFB	1	7	-bfb/all	9/04/18	21:58	ala	
1/c01ccv.d	8260-CCV,184856:	L/117677	CCALIB_6	1	7	-a8260sl_a_c/a	9/04/18	22:37	ala	
1/c02lcs.d	2122399,184730:5	S/117877	LCS	1		-a8260sl_a_c/a	9/04/18	23:15	ala	Sand Lot: Sand Lot #182576
1/c03mb.d	2122398	S/117877	BLANK	1		-a8260sl_a_c/a	9/04/18	23:53	ala	Sand Lot: Sand Lot #182576
1/c04.d	50204438007	S/117877	SAMPLE	1		-a8260sl_a_c/a	9/05/18	00:31	ala	
1/c05.d	2122400,184730:5	S/117877	MS	1		-a8260sl_a_c/a	9/05/18	01:10	ala	
1/c06.d	2122401,184730:5	S/117877	MSD	1		-a8260sl_a_c/a	9/05/18	01:47	ala	
1/c07.d	50204438008	S/117877	SAMPLE	1		-a8260sl_a_c/a	9/05/18	02:25	ala	bad purge - rlx
1/c08.d	50204529002	S/117877	SAMPLE	1		-a8260sl_a_c/a	9/05/18	03:04	ala	
1/c09.d	50204529003	S/117877	SAMPLE	1		-a8260sl_a_c/a	9/05/18	03:42	ala	

Comments: All water samples have a pH below 2 unless otherwise noted.

N/A

File Path 1: \\192.168.50.6\chem\50mv6a.i\A090418.b
 Matrix Codes: [B]iota, [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 10:54 09/05/2018

Reviewed By/Date: AA Page: 1 of 2

9.5.18

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv6a.i
Column DB-624 20m X 0.18mm Helium Method:
Misc. Prep Info [L]:
Misc. Prep Info [S]: Sand Lot #182576
ISTD lot: Surr. lot: 183553:5
Lot:
Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/c10.d	2122402,184730:5	S/117877	MS	1		-a8260sl_a_c/a	9/05/18	04:21	ala	
1/c11.d	2122403,184730:5	S/117877	MSD	1		-a8260sl_a_c/a	9/05/18	04:59	ala	
1/c12.d	50204529004	S/117877	SAMPLE	1		-a8260sl_a_c/a	9/05/18	05:37	ala	Actual hit - wlx
1/c13.d	50204529006	S/117877	SAMPLE	1		-a8260sl_a_c/a	9/05/18	06:15	ala	
1/c14.d	50204529007	S/117877	SAMPLE	1		-a8260sl_a_c/a	9/05/18	06:54	ala	
1/c15.d	50204529008	S/117877	SAMPLE	1		-a8260sl_a_c/a	9/05/18	07:32	ala	
1/c16.d	50204529010	S/117877	SAMPLE	1		-a8260sl_a_c/a	9/05/18	08:10	ala	
1/c17.d	50204529011	S/117877	SAMPLE	1		-a8260sl_a_c/a	9/05/18	08:48	ala	
1/c18.d	50204529012	S/117877	SAMPLE	1		-a8260sl_a_c/a	9/05/18	09:26	ala	

Comments: All water samples have a pH below 2 unless otherwise noted.

N/A

File Path 1: \\192.168.50.6\chem\50mv6a.i\A090418.b
Matrix Codes: [B]iota, [G]as, [L]iquid, [S]olid, [N]one
Report Date: 10:54 09/05/2018

Reviewed By/Date: AA Page: 2 of 2

9.5.18

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv6a.i
 Column DB-624 20m X 0.18mm Helium
 Misc. Prep Info [L]:
 Misc. Prep Info [S]: Sand Lot #182576
 ISTD lot:
 Lot:
 Tune std: _____

Method:
 Surr. lot: 183553:5
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/a00bfb.d	8260-TUNE,183587	L/117677	BFB	1	7	-bfb/all	9/05/18	10:32	ala	
1/a01ccv.d	8260-CCV,185603:	L/117677	CCALIB_6	1	7	-a8260sl_a_c/a	9/05/18	11:10	ala	
1/a02lcs.d	2122927,184730:5	S/117899	LCS	1		-a8260sl_a_c/a	9/05/18	11:48	ala	Sand Lot: Sand Lot #182576
1/a03mb.d	2122926	S/117899	BLANK	1		-a8260sl_a_c/a	9/05/18	12:26	ala	Sand Lot: Sand Lot #182576
1/a04lcs.d	MeOH LCS,184730:	S/	LCS	1		-a8260sl_a_c/a	9/05/18	13:05	ala	Sand Lot: Sand Lot #182576
1/a05.d	50204130010x50	S/117853	SAMPLE	50		-a8260sl_a_c/u	9/05/18	13:43	ala	
1/a06.d	50204438008	S/117899	SAMPLE	1		-a8260sl_a_c/a	9/05/18	14:21	ala	
1/a07mb.d	MeOH MB	S/	BLANK	1		-a8260sl_a_c/a	9/05/18	14:59	ala	Sand Lot: Sand Lot #182576
1/a08.d	50204529004x1.1	S/117877	SAMPLE	1.1		-a8260sl_a_c/a	9/05/18	15:37	ala	
1/a09.d	50204513001	S/117900	SAMPLE	1		-a8260sl_a_c/a	9/05/18	16:16	ala	
1/a10.d	50204513002	S/117900	SAMPLE	1		-a8260sl_a_c/a	9/05/18	16:54	ala	
1/a11.d	50204513003	S/117900	SAMPLE	1		-a8260sl_a_c/a	9/05/18	17:32	ala	
1/a12.d	50204513004	S/117900	SAMPLE	1		-a8260sl_a_c/a	9/05/18	18:11	ala	
1/a13.d	50204513005	S/117900	SAMPLE	1		-a8260sl_a_c/a	9/05/18	18:49	ala	
1/a14.d	50204513006	S/117900	SAMPLE	1		-a8260sl_a_c/a	9/05/18	19:27	ala	
1/a15.d	50204529001x25	S/117900	SAMPLE	25		-a8260sl_a_c/a	9/05/18	20:06	ala	
1/a16.d	50204529005x25	S/117900	SAMPLE	25		-a8260sl_a_c/a	9/05/18	20:44	ala	
1/a17 <i>ccv</i>	50204529009x50	S/117900	SAMPLE	50		-a8260sl_a_c/a	9/05/18	21:22	ala	<i>n-try hit - out in ccv - m5</i>
1/a18.d	50204529013	S/117900	SAMPLE	1		-a8260sl_a_c/a	9/05/18	22:00	ala	
1/c00bfb.d	8260-TUNE,183587	L/117677	BFB	1	7	-bfb/all	9/05/18	22:38	ala	
1/c01ccv.d	8260-CCV,185603:	L/117677	CCALIB_6	1	7	-a8260sl_a_c/a	9/05/18	23:16	ala	<i>CCV - N out - not used</i>
1/c02ccv.d	8260-CCV,185069:	L/117677	CCALIB_6	1	7	-a8260sl_a_c/a	9/05/18	23:54	ala	<i>Warning LCD on CCV</i>
1/c02lcs.d	2123197,184730:5	S/117919	LCS	1		-a8260sl_a_c/a	9/05/18	23:54	ala	Sand Lot: Sand Lot #182576
1/c03mb.d	2123196	S/117919	BLANK	1		-a8260sl_a_c/a	9/06/18	00:33	ala	Sand Lot: Sand Lot #182576
1/c04.d	50204513007	S/117919	SAMPLE	1		-a8260sl_a_c/a	9/06/18	01:11	ala	
1/c05.d	50204513008	S/117919	SAMPLE	1		-a8260sl_a_c/a	9/06/18	01:49	ala	
1/c06.d	50204578001	S/117920	SAMPLE	1		-a8260sl_a_c/u	9/06/18	02:27	ala	
1/c07.d	50204578002	S/117920	SAMPLE	1		-a8260sl_a_c/u	9/06/18	03:05	ala	
1/c08.d	50204578003	S/117920	SAMPLE	1		-a8260sl_a_c/u	9/06/18	03:43	ala	
1/c09.d	50204578004	S/117920	SAMPLE	1		-a8260sl_a_c/u	9/06/18	04:21	ala	

Comments: All water samples have a pH below 2 unless otherwise noted. *N/A*

File Path 1: \\192.168.50.6\chem\50mv6a.i\A090518.b
 Matrix Codes: [B]iota, [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 15:28 09/06/2018

Reviewed By/Date: *AA* Page: 1 of 2

26.17

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv6a.i
Column DB-624 20m X 0.18mm Helium Method:
Misc. Prep Info [L]:
Misc. Prep Info [S]: Sand Lot #182576
ISTD lot: Surr. lot: 183553:5
Lot:
Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/c10.d	50204578005	S/117920	SAMPLE	1		-a8260sl_a_c/u	9/06/18	04:59	ala	
1/c11.d	50204578006	S/117920	SAMPLE	1		-a8260sl_a_c/u	9/06/18	05:38	ala	
1/c12.d	50204578007	S/117920	SAMPLE	1		-a8260sl_a_c/u	9/06/18	06:16	ala	
1/c13.d	50204578008	S/117920	SAMPLE	1		-a8260sl_a_c/u	9/06/18	06:54	ala	
1/c14.d	50204578009	S/117920	SAMPLE	1		-a8260sl_a_c/u	9/06/18	07:32	ala	
1/c15.d	50204247002	S/117920	SAMPLE	1		-a8260sl_a_c/u	9/06/18	08:42	ala	
1/c16.d	50204247003	S/117920	SAMPLE	1		-a8260sl_a_c/u	9/06/18	09:21	ala	
1/c17.d	50204247004	S/117920	SAMPLE	1		-a8260sl_a_c/u	9/06/18	09:59	ala	
1/c18 (G)	50204247005	S/117920	SAMPLE	1		-a8260sl_a_c/u	9/06/18	10:38	ala	bad purge - m/lx

Comments: All water samples have a pH below 2 unless otherwise noted.

N/A

File Path 1: \\192.168.50.6\chem\50mv6a.i\A090518.b
Matrix Codes: [B]iota, [G]as, [L]iquid, [S]olid, [N]one
Report Date: 15:28 09/06/2018

Reviewed By/Date: DA Page: 2 of 2

9.6.18

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
LA 312 (RUG-1S)

Lab Name: Pace Analytical - Indiana SDG No. : 50204438 Contract: LA305-LA313
Lab Sample ID: 50204438007 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	17.5		%	1	08/31/2018 08:55

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
LA 313 (RUG-2S)

Lab Name: Pace Analytical - Indiana SDG No. : 50204438 Contract: LA305-LA313
Lab Sample ID: 50204438008 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	14.8		%	1	08/31/2018 08:56

FORM VI INORGANIC-1
DUPLICATES

SAMPLE NO.

2120761DUP

Lab Name: Pace Analytical - Indiana SDG No. : 50204438 Contract: LA305-LA313

Matrix: Solid Concentration Units: %

Percent Moisture: _____ Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Percent Moisture	5	17.5	16.7	5

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Indiana SDG No. : 50204438 Contract: LA305-LA313

Preparation Method: SM 2540G Batch: PMST 15056

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
2120761	2120761DUP	08/31/2018	1	1
50204438007	LA 312 (RUG-1S)	08/31/2018	1	1
50204438008	LA 313 (RUG-2S)	08/31/2018	1	1

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Indiana SDG No. : 50204438 Contract: LA305-LA313

Instrument ID: 50BALH Analysis Method: SM 2540G

Start Date: 08/31/2018 08:55 End Date: 08/31/2018 08:56

Sample Name	Lab Sample ID	D/F	Date	Time	MO IST
LA 312 (RUG-1S)	50204438007	1	08/31/2018	08:55	X
2120761DUP	2120761	1	08/31/2018	08:56	X
LA 313 (RUG-2S)	50204438008	1	08/31/2018	08:56	X



Prep Log Report

Batch Information: PMST 15056

Template Version: EF-IN-Q-337-Rev.03 (06Feb2017)

Analysis Method	SM 2540G	Analyzed By	MLS	Instrument	50BALH	Oven ID	50WETZ
Thermometer ID	PT-112	Oven Temp Correction Factor	0	Oven Temp In1 Corr Date/Time Init	104.0 104.0 08/31/2018 14:28 MLS	Oven Temp Out1 Corr Date/Time Init	104.6 104.6 09/01/2018 08:35 RNP
Reviewed By	SLB	Reviewed By Date	09/04/2018 09:34	Batch Notes			

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Select	TS Posted (%)	Percent Moisture	Run Date/Time	Posted Dry Weight /v Dish (g)	Dish Weight (g)	Wet Weight /v Dish (g)	Dry Weight 1 (g)	Dry Wt Use 1	ID	Sample Notes
DRY WEIGHT PS		50204247001	Y	68.08	31.92	08/31/2018 08:54:47	2.214	1.022	2.773	2.214	M	25	
DRY WEIGHT PS		50204247002	Y	19.75	80.25	08/31/2018 08:54:53	1.978	1.017	5.882	1.978	M	26	
DRY WEIGHT PS		50204247003	Y	85.45	14.55	08/31/2018 08:54:58	4.32	1.025	4.881	4.32	M	27	
DRY WEIGHT PS		50204247004	Y	32.73	67.27	08/31/2018 08:55:04	2.688	1.079	5.995	2.688	M	28	
DRY WEIGHT PS		50204247005	Y	66.90	33.10	08/31/2018 08:55:09	4.346	1.015	5.994	4.346	M	29	
DRY WEIGHT PS		50204515001	Y	88.57	11.43	08/31/2018 08:55:14	13.93	1.004	15.598	13.93	M	30	
DRY WEIGHT PS		50204515002	Y	82.98	17.02	08/31/2018 08:55:19	7.683	1.021	9.049	7.683	M	31	
DRY WEIGHT PS		50204516001	Y	91.01	8.986	08/31/2018 08:55:25	7.258	1.009	7.875	7.258	M	32	
DRY WEIGHT PS		50204516002	Y	89.78	10.22	08/31/2018 08:55:30	6.794	1.015	7.452	6.794	M	33	
DRY WEIGHT PS		50204516003	Y	90.22	9.784	08/31/2018 08:55:37	6.835	1.026	7.465	6.835	M	34	
DRY WEIGHT PS		50204516004	Y	90.40	9.600	08/31/2018 08:55:43	7.146	1.016	7.797	7.146	M	35	
DRY WEIGHT PS		50204516005	Y	89.83	10.17	08/31/2018 08:55:49	6.784	1.014	7.437	6.784	M	36	
DRY WEIGHT RQS		50204438007	Y	82.51	17.49	08/31/2018 08:55:54	5.916	1.018	6.954	5.916	M	37	
DRY WEIGHT DUP		2120761	Y	83.34	16.66	08/31/2018 08:56:00	6.064	1.026	7.071	6.064	M	38	
DRY WEIGHT PS		50204438008	Y	85.17	14.83	08/31/2018 08:56:07	6.944	1.07	7.967	6.944	M	39	