

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
INDIANAPOLIS

OFFICE MEMORANDUM

Date: September 10, 2018

To: Kevin Davis
Remediation Services Branch

Thru: Steve Buckel 9/10/18

From: Kristy M. McIntire KMM 09/10/2018
Chemistry Services Section

Subject: Analytical Results for Franklin Investigation
Franklin, Johnson County, Indiana
Site # 0000794
Sampled: August 23, 2018
Sample Numbers: LA289 – LA293
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 sample the creek to determine if it is impacted with chlorinated solvents. 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). Field duplicates were collected from HC-2 (LA290 and LA292). The surface water 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. The trip blank was collected and analyzed for VOCs. The equipment blank was not necessary 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

Samples were analyzed for VOCs by SW-846 Method 8260.

A matrix spike/matrix spike duplicate was performed on sample LA291 (HC-3). The matrix spike/matrix spike duplicate percent recoveries were out of control, low, for dichlorodifluoromethane, chloromethane, and vinyl chloride. The matrix spike percent recovery was out of control, low, for vinyl acetate. The matrix spike duplicate percent recovery was out of control, low, for carbon tetrachloride. The matrix spike/matrix spike duplicate relative percent difference was out of control for carbon tetrachloride. The results for dichlorodifluoromethane, chloromethane, vinyl chloride, carbon tetrachloride, and vinyl acetate are estimated biased low.

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

All other QA/QC criteria were acceptable.

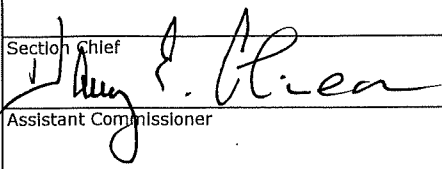
Results:

All VOCs were non-detect. Unknowns were detected at low estimated concentrations in all the samples including the trip blank. It should be noted that 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 08-07-18	Sample Numbers LA 289 - LA 295		
	2. Site Name Franklin		3. Site ID Numbers (Old)	(New) CZ0M2	4. Grant Code 3-088-000	
	5. Street Address Various		6. City Franklin		7. County Johnson	
	8. Person Requesting Samples Kenneth C. McDaniel		Branch/Section		Phone 317-691-6370	
	9. Sampler(s) Kenneth C. McDaniel		Branch/Section		Phone 317-691-6370	
	10. Site Manager / Facility Contact				Phone	
	11. Reason for Sampling: Briefly describe the problem sampling and analysis should resolve. Sampling is required to to evaluate if chlorinated solvents are present in the creek.					Electronic Copy <input type="checkbox"/> Yes
	12. DQO: Preliminary/Screening		13. Protocol: SW846			
	14. Matrix Type: Surface Water		15. Dedicated Equipment? Yes			
	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:	A - VOA (full list)					
18. Samples:	5					
Duplicates:	1					
Trip Blanks:	1					
Equipment Blanks:						
Total:	7					
Tracking	19. Projected Sample Date(s) 8/13/2018		20. Projected Date(s) to Lab 8/13/2018		21. Turnaround Time 7 Days	
	22. Cooler Arrival August 8, 2018		Lab Assigned Pace		Lab Contact S. Brotherton	
	Lab Contact Date 08-07-18		Projected Cost 585		Actual Date to Lab 8/23/18	
	Preliminary Results Received		Package Received 9/6/18			
Signatures	Sampling Gatekeeper David Harrison					
	Section Chief 			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: LA289-LA293 Sampling Date(s): 8/23/18
 Site Name: FRANKLIN CONTAMINATION INVESTIGATION Site ID #: 0000794
 Street Address: _____ City: FRANKLIN County: JOHNSON

Site Representative(s): _____ Company: _____
 IDEM Samplers: JOHN KELLER TIM JOHNSON Laboratory: PACE

Weather Conditions: Sky clear Ground Dry Wind light variable Temp 77° Humidity -

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 _____
 Sample Choice (check): Grab Composite Statistical Random Judgmental

Sampling Equipment Used: DEDICATED NALGENE BOTTLE FOR TRANSFER TO SAMPLE VIALS
 Decontamination Procedures: _____

Field Test Equipment Used: NA
 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: VOLATILE ORGANIC COMPOUNDS Handling Precaution: Yes No

Photos Taken? Yes No Send analytical data review to: TIM JOHNSON Phone: 317-234-3931

Other Notes or Deviations from Sampling Plan: NA
STREAM CONDITIONS WERE CLEAR WATER, NEITHER HIGH NOR LOW CONDITIONS

Revised 09-11-00 Sampler Signature: Timothy R. Johnson Date: 8/23/18

* 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>HC-1</u>	Sample ID: LA 289 <u>LA 289</u>
Collection Date: <u>8 / 23 / 18</u>	Time: <u>11 : 15 AM</u> / PM

- Sample Types (check all applicable):
- | | | | | | |
|--|------------------------------------|---|--------------------------------------|--------------------------------------|---|
| <input type="checkbox"/> Mon. Well | <input type="checkbox"/> Res. Well | <input checked="" 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>SVR260</u>

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)
~~Johnson~~ ^{J24} Hurricane Creek Southwest of Former Weh Wellfield
North of ~~Johnson~~ Elementary schools middle of stream
_{J29}

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: Nalgene bottle → Sample bottles

<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 or odor.

Deviations from Sampling Plan: NA

Revision 09-11-00
Sampler Signature: Timothy R. [Signature] Date: 8/23/18

* 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>HC-2</u>	Sample ID: <u>LA290 LA290</u>
Collection Date: <u>8 / 23 / 18</u>	Time: <u>12 : 45 AM / (PM)</u>

- Sample Types (check all applicable):
- | | | | | | |
|--|------------------------------------|---|--------------------------------------|--------------------------------------|---|
| <input type="checkbox"/> Mon. Well | <input type="checkbox"/> Res. Well | <input checked="" 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>40 mL</u>	<u>Glass</u>	<u>3</u>	<u>HCL</u>	<u>SW 8260</u>

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)
Taken directly east of former Webb Wellfield, west edge of Hurricane Creek.

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: Nalgene bottle → glass vials.

<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 or odor WATER CLEAR

Deviations from Sampling Plan: NA

Revision 09-11-00
Sampler Signature: *Judy Johnson* Date: 8/23/18

* 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>HC-3</u>	Sample ID: LA 291 ⁷⁴¹ <u>LA 291</u>
Collection Date: <u>8 / 23 / 18</u>	Time: <u>1 : 15</u> AM / <u>PM</u>

- Sample Types (check all applicable):
- | | | | | | |
|--|--|---|--------------------------------------|--------------------------------------|---|
| <input type="checkbox"/> Mon. Well | <input type="checkbox"/> Res. Well | <input checked="" 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 checked="" type="checkbox"/> MS/MSD | <input type="checkbox"/> Duplicate of _____ | <input type="checkbox"/> Other _____ | | |

Containers:	Volume	Material	Quantity	Preservative	Analysis
	<u>40 mL</u>	<u>Glass</u>	<u>9</u>	<u>HCL</u>	<u>SW 8260</u>

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)
Taken from Hurricane Creek North East of Webb Wellfield
below east side of bridge ~~LA 291~~ at 400 ft

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: Nalgene bottle -> Glass vial

<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.

Deviations from Sampling Plan: _____

Sampler Signature: Tina G. Palm Date: 8/23/18

* 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>DS-1</u>	Sample ID: <u>LA 292 LA 292</u>
Collection Date: <u>8 / 23 / 18</u>	Time: <u>12 : 50 AM</u> (PM)

- Sample Types (check all applicable):
- | | | | | | |
|--|------------------------------------|---|--------------------------------------|--------------------------------------|---|
| <input type="checkbox"/> Mon. Well | <input type="checkbox"/> Res. Well | <input checked="" 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>HC-2 LA-290</u> | <input type="checkbox"/> Other _____ | | |

Containers:	Volume	Material	Quantity	Preservative	Analysis
	<u>40 mL</u>	<u>Glass</u>	<u>3</u>	<u>HCL</u>	<u>SL 8260</u>

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)

See HC-2 LA290

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: _____

Revision 09-11-00

Sampler Signature: Justin R. [Signature] Date: 8/23/18

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



SAMPLE CUSTODY CHAIN - IDEM OFFICE OF LAND QUALITY

State Form 42091 (R2 / 12-06)

Please Send Report to:

IDEM
 OLO 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:

Tom Johnson

Signature:

[Signature]

Sample Date(s):

8/23/12

(2A-2C) SAMPLE INFORMATION

(2D) COUNTS

(2E-2F) ANALYSES REQUESTED

(2G) COMMENTS

Laboratory Control Number (Lab Use)	IDEM Sample Number	Matrix or Sample Type	Glass Bottles			Plastic Bottles			40 ml Vials			Other	Date	Time	AM	PM
			1	2	3	1	2	3	1	2	3					
LA 259	100	WT														
LA 260	101	WT														
LA 261	102	WT														
LA 262	103	WT														
LA 263	104	WT														

(2) REQUIRED TURNAROUND TIME (with full documentation)											
30 days	14 days	7 days	2 days								
(3) COMMENTS											

(4) COMMENTS

FOR LABORATORY USE ONLY:

Cooler Temp: *0.8* Sample Condition: *Box*

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

Relinquished by: *[Signature]* Date: *8/23/12* Time: *1:40 PM*

Received by: *[Signature]* Date: *8/23/12* Time: *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: *8/23/12* Time: *1:40 PM*

Laboratory: *PA...*

Address: *776...*

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



Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 50204113

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August 30, 2018

Case Narrative—Level Project Review **Project 50204113 (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 19-20 has one footnote (L2) indicating analyte recovery for one compound was below laboratory control limits. Results for this analyte in associated samples may be biased low.

The project specific matrix spike set is listed on pages 21-22 for sample 50204113003. There are two footnotes (M1 and R1) indicating analyte recovery and RPD were outside the laboratory control limits for several analytes.

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

August 29, 2018

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

RE: Project: LA289-LA293
Pace Project No.: 50204113

Dear DAVID HARRISON:

Enclosed are the analytical results for sample(s) received by the laboratory on August 23, 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: LA289-LA293

Pace Project No.: 50204113

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: LA289-LA293

Pace Project No.: 50204113

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50204113001	LA289	Water	08/23/18 11:15	08/23/18 15:40
50204113002	LA290	Water	08/23/18 12:45	08/23/18 15:40
50204113003	LA291	Water	08/23/18 13:15	08/23/18 15:40
50204113004	LA292	Water	08/23/18 12:50	08/23/18 15:40
50204113005	LA293	Water	08/23/18 13:00	08/23/18 15:40

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: LA289-LA293

Pace Project No.: 50204113

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50204113001	LA289	EPA 5030B/8260	AMV	61
50204113002	LA290	EPA 5030B/8260	AMV	60
50204113003	LA291	EPA 5030B/8260	AMV	60
50204113004	LA292	EPA 5030B/8260	AMV	60
50204113005	LA293	EPA 5030B/8260	AMV	60

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: LA289-LA293

Pace Project No.: 50204113

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50204113001	LA289					
EPA 5030B/8260	.844:Unknown	103J	ug/L		08/28/18 23:07	
EPA 5030B/8260	2.135:Unknown	3.0J	ug/L		08/28/18 23:07	
EPA 5030B/8260	3.932:Unknown	18.4J	ug/L		08/28/18 23:07	
50204113002	LA290					
EPA 5030B/8260	.844:Unknown	97.8J	ug/L		08/28/18 23:31	
EPA 5030B/8260	3.935:Unknown	18.0J	ug/L		08/28/18 23:31	
50204113003	LA291					
EPA 5030B/8260	.844:Unknown	100J	ug/L		08/28/18 23:55	
EPA 5030B/8260	3.932:Unknown	18.5J	ug/L		08/28/18 23:55	
50204113004	LA292					
EPA 5030B/8260	.844:Unknown	99.2J	ug/L		08/29/18 00:20	
EPA 5030B/8260	3.932:Unknown	18.4J	ug/L		08/29/18 00:20	
50204113005	LA293					
EPA 5030B/8260	.844:Unknown	49.2J	ug/L		08/29/18 00:44	
EPA 5030B/8260	3.933:Unknown	18.3J	ug/L		08/29/18 00:44	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: LA289-LA293

Pace Project No.: 50204113

Method: EPA 5030B/8260

Description: 8260 MSV Low Level

Client: IDEM Senate Avenue

Date: August 29, 2018

General Information:

5 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.

QC Batch: 459057

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: 2118712)
 - 4-Methyl-2-pentanone (MIBK)

Matrix Spikes:

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

QC Batch: 459057

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 50204113003

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

- MS (Lab ID: 2118713)
 - Chloromethane
 - Dichlorodifluoromethane
 - Vinyl acetate
 - Vinyl chloride
- MSD (Lab ID: 2118714)
 - Carbon tetrachloride
 - Chloromethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: LA289-LA293

Pace Project No.: 50204113

Method: EPA 5030B/8260

Description: 8260 MSV Low Level

Client: IDEM Senate Avenue

Date: August 29, 2018

QC Batch: 459057

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 50204113003

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

- Dichlorodifluoromethane
- Vinyl chloride

R1: RPD value was outside control limits.

- MSD (Lab ID: 2118714)
- Carbon tetrachloride

Additional Comments:

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

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ANALYTICAL RESULTS

Project: LA289-LA293

Pace Project No.: 50204113

Sample: LA289	Lab ID: 50204113001	Collected: 08/23/18 11:15	Received: 08/23/18 15:40	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		08/28/18 23:07	67-64-1	
Acrolein	ND	ug/L	20.0	1		08/28/18 23:07	107-02-8	
Benzene	ND	ug/L	1.0	1		08/28/18 23:07	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		08/28/18 23:07	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/28/18 23:07	75-25-2	
Bromomethane	ND	ug/L	2.0	1		08/28/18 23:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		08/28/18 23:07	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		08/28/18 23:07	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		08/28/18 23:07	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		08/28/18 23:07	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		08/28/18 23:07	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		08/28/18 23:07	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		08/28/18 23:07	108-90-7	
Chloroethane	ND	ug/L	2.0	1		08/28/18 23:07	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/28/18 23:07	67-66-3	
Chloromethane	ND	ug/L	2.0	1		08/28/18 23:07	74-87-3	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/28/18 23:07	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/28/18 23:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/28/18 23:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		08/28/18 23:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/28/18 23:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	1		08/28/18 23:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/28/18 23:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/28/18 23:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/28/18 23:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		08/28/18 23:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/28/18 23:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/28/18 23:07	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		08/28/18 23:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		08/28/18 23:07	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		08/28/18 23:07	100-41-4	
2-Hexanone	ND	ug/L	20.0	1		08/28/18 23:07	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		08/28/18 23:07	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		08/28/18 23:07	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/28/18 23:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	1		08/28/18 23:07	108-10-1	L2
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/28/18 23:07	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		08/28/18 23:07	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		08/28/18 23:07	103-65-1	
Styrene	ND	ug/L	1.0	1		08/28/18 23:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/28/18 23:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/28/18 23:07	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		08/28/18 23:07	127-18-4	
Toluene	ND	ug/L	1.0	1		08/28/18 23:07	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		08/28/18 23:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/28/18 23:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/28/18 23:07	79-00-5	

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ANALYTICAL RESULTS

Project: LA289-LA293

Pace Project No.: 50204113

Sample: LA289		Lab ID: 50204113001		Collected: 08/23/18 11:15	Received: 08/23/18 15:40	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		08/28/18 23:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	1		08/28/18 23:07	75-69-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		08/28/18 23:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		08/28/18 23:07	108-67-8	
Vinyl acetate	ND	ug/L	20.0	1		08/28/18 23:07	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		08/28/18 23:07	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		08/28/18 23:07	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		08/28/18 23:07	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%.	85-111	1		08/28/18 23:07	460-00-4	
Dibromofluoromethane (S)	98	%.	89-116	1		08/28/18 23:07	1868-53-7	
Toluene-d8 (S)	89	%.	87-110	1		08/28/18 23:07	2037-26-5	
Tentatively Identified Compounds								
Unknown	103J	ug/L		1		08/28/18 23:07		
Unknown	3.0J	ug/L		1		08/28/18 23:07		
Unknown	18.4J	ug/L		1		08/28/18 23:07		

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ANALYTICAL RESULTS

Project: LA289-LA293

Pace Project No.: 50204113

Sample: LA290	Lab ID: 50204113002	Collected: 08/23/18 12:45	Received: 08/23/18 15:40	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		08/28/18 23:31	67-64-1	
Acrolein	ND	ug/L	20.0	1		08/28/18 23:31	107-02-8	
Benzene	ND	ug/L	1.0	1		08/28/18 23:31	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		08/28/18 23:31	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/28/18 23:31	75-25-2	
Bromomethane	ND	ug/L	2.0	1		08/28/18 23:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		08/28/18 23:31	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		08/28/18 23:31	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		08/28/18 23:31	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		08/28/18 23:31	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		08/28/18 23:31	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		08/28/18 23:31	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		08/28/18 23:31	108-90-7	
Chloroethane	ND	ug/L	2.0	1		08/28/18 23:31	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/28/18 23:31	67-66-3	
Chloromethane	ND	ug/L	2.0	1		08/28/18 23:31	74-87-3	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/28/18 23:31	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/28/18 23:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/28/18 23:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		08/28/18 23:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/28/18 23:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	1		08/28/18 23:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/28/18 23:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/28/18 23:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/28/18 23:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		08/28/18 23:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/28/18 23:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/28/18 23:31	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		08/28/18 23:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		08/28/18 23:31	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		08/28/18 23:31	100-41-4	
2-Hexanone	ND	ug/L	20.0	1		08/28/18 23:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		08/28/18 23:31	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		08/28/18 23:31	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/28/18 23:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	1		08/28/18 23:31	108-10-1	L2
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/28/18 23:31	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		08/28/18 23:31	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		08/28/18 23:31	103-65-1	
Styrene	ND	ug/L	1.0	1		08/28/18 23:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/28/18 23:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/28/18 23:31	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		08/28/18 23:31	127-18-4	
Toluene	ND	ug/L	1.0	1		08/28/18 23:31	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		08/28/18 23:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/28/18 23:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/28/18 23:31	79-00-5	

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ANALYTICAL RESULTS

Project: LA289-LA293

Pace Project No.: 50204113

Sample: LA290		Lab ID: 50204113002		Collected: 08/23/18 12:45	Received: 08/23/18 15:40	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		08/28/18 23:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	1		08/28/18 23:31	75-69-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		08/28/18 23:31	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		08/28/18 23:31	108-67-8	
Vinyl acetate	ND	ug/L	20.0	1		08/28/18 23:31	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		08/28/18 23:31	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		08/28/18 23:31	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		08/28/18 23:31	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%.	85-111	1		08/28/18 23:31	460-00-4	
Dibromofluoromethane (S)	97	%.	89-116	1		08/28/18 23:31	1868-53-7	
Toluene-d8 (S)	94	%.	87-110	1		08/28/18 23:31	2037-26-5	
Tentatively Identified Compounds								
Unknown	97.8J	ug/L		1		08/28/18 23:31		
Unknown	18.0J	ug/L		1		08/28/18 23:31		

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ANALYTICAL RESULTS

Project: LA289-LA293

Pace Project No.: 50204113

Sample: LA291	Lab ID: 50204113003	Collected: 08/23/18 13:15	Received: 08/23/18 15:40	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		08/28/18 23:55	67-64-1	
Acrolein	ND	ug/L	20.0	1		08/28/18 23:55	107-02-8	
Benzene	ND	ug/L	1.0	1		08/28/18 23:55	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		08/28/18 23:55	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/28/18 23:55	75-25-2	
Bromomethane	ND	ug/L	2.0	1		08/28/18 23:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		08/28/18 23:55	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		08/28/18 23:55	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		08/28/18 23:55	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		08/28/18 23:55	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		08/28/18 23:55	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		08/28/18 23:55	56-23-5	M1,R1
Chlorobenzene	ND	ug/L	1.0	1		08/28/18 23:55	108-90-7	
Chloroethane	ND	ug/L	2.0	1		08/28/18 23:55	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/28/18 23:55	67-66-3	
Chloromethane	ND	ug/L	2.0	1		08/28/18 23:55	74-87-3	M1
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/28/18 23:55	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/28/18 23:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/28/18 23:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		08/28/18 23:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/28/18 23:55	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	1		08/28/18 23:55	75-71-8	M1
1,1-Dichloroethane	ND	ug/L	1.0	1		08/28/18 23:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/28/18 23:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/28/18 23:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		08/28/18 23:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/28/18 23:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/28/18 23:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		08/28/18 23:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		08/28/18 23:55	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		08/28/18 23:55	100-41-4	
2-Hexanone	ND	ug/L	20.0	1		08/28/18 23:55	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		08/28/18 23:55	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		08/28/18 23:55	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/28/18 23:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	1		08/28/18 23:55	108-10-1	L2
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/28/18 23:55	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		08/28/18 23:55	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		08/28/18 23:55	103-65-1	
Styrene	ND	ug/L	1.0	1		08/28/18 23:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/28/18 23:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/28/18 23:55	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		08/28/18 23:55	127-18-4	
Toluene	ND	ug/L	1.0	1		08/28/18 23:55	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		08/28/18 23:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/28/18 23:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/28/18 23:55	79-00-5	

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ANALYTICAL RESULTS

Project: LA289-LA293

Pace Project No.: 50204113

Sample: LA291		Lab ID: 50204113003		Collected: 08/23/18 13:15	Received: 08/23/18 15:40	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		08/28/18 23:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	1		08/28/18 23:55	75-69-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		08/28/18 23:55	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		08/28/18 23:55	108-67-8	
Vinyl acetate	ND	ug/L	20.0	1		08/28/18 23:55	108-05-4	M1
Vinyl chloride	ND	ug/L	1.0	1		08/28/18 23:55	75-01-4	M1
m&p-Xylene	ND	ug/L	2.0	1		08/28/18 23:55	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		08/28/18 23:55	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	102	%.	85-111	1		08/28/18 23:55	460-00-4	
Dibromofluoromethane (S)	99	%.	89-116	1		08/28/18 23:55	1868-53-7	
Toluene-d8 (S)	95	%.	87-110	1		08/28/18 23:55	2037-26-5	
Tentatively Identified Compounds								
Unknown	100J	ug/L		1		08/28/18 23:55		
Unknown	18.5J	ug/L		1		08/28/18 23:55		

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ANALYTICAL RESULTS

Project: LA289-LA293

Pace Project No.: 50204113

Sample: LA292	Lab ID: 50204113004	Collected: 08/23/18 12:50	Received: 08/23/18 15:40	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		08/29/18 00:20	67-64-1	
Acrolein	ND	ug/L	20.0	1		08/29/18 00:20	107-02-8	
Benzene	ND	ug/L	1.0	1		08/29/18 00:20	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		08/29/18 00:20	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/29/18 00:20	75-25-2	
Bromomethane	ND	ug/L	2.0	1		08/29/18 00:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		08/29/18 00:20	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		08/29/18 00:20	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		08/29/18 00:20	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		08/29/18 00:20	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		08/29/18 00:20	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		08/29/18 00:20	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		08/29/18 00:20	108-90-7	
Chloroethane	ND	ug/L	2.0	1		08/29/18 00:20	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/29/18 00:20	67-66-3	
Chloromethane	ND	ug/L	2.0	1		08/29/18 00:20	74-87-3	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/29/18 00:20	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/29/18 00:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/29/18 00:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		08/29/18 00:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/29/18 00:20	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	1		08/29/18 00:20	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/29/18 00:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/29/18 00:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/29/18 00:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		08/29/18 00:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/29/18 00:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/29/18 00:20	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		08/29/18 00:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		08/29/18 00:20	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		08/29/18 00:20	100-41-4	
2-Hexanone	ND	ug/L	20.0	1		08/29/18 00:20	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		08/29/18 00:20	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		08/29/18 00:20	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/29/18 00:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	1		08/29/18 00:20	108-10-1	L2
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/29/18 00:20	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		08/29/18 00:20	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		08/29/18 00:20	103-65-1	
Styrene	ND	ug/L	1.0	1		08/29/18 00:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/29/18 00:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/29/18 00:20	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		08/29/18 00:20	127-18-4	
Toluene	ND	ug/L	1.0	1		08/29/18 00:20	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		08/29/18 00:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/29/18 00:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/29/18 00:20	79-00-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LA289-LA293

Pace Project No.: 50204113

Sample: LA292		Lab ID: 50204113004		Collected: 08/23/18 12:50	Received: 08/23/18 15:40	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		08/29/18 00:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	1		08/29/18 00:20	75-69-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		08/29/18 00:20	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		08/29/18 00:20	108-67-8	
Vinyl acetate	ND	ug/L	20.0	1		08/29/18 00:20	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		08/29/18 00:20	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		08/29/18 00:20	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		08/29/18 00:20	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%.	85-111	1		08/29/18 00:20	460-00-4	
Dibromofluoromethane (S)	100	%.	89-116	1		08/29/18 00:20	1868-53-7	
Toluene-d8 (S)	94	%.	87-110	1		08/29/18 00:20	2037-26-5	
Tentatively Identified Compounds								
Unknown	99.2J	ug/L		1		08/29/18 00:20		
Unknown	18.4J	ug/L		1		08/29/18 00:20		

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ANALYTICAL RESULTS

Project: LA289-LA293

Pace Project No.: 50204113

Sample: LA293	Lab ID: 50204113005	Collected: 08/23/18 13:00	Received: 08/23/18 15:40	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		08/29/18 00:44	67-64-1	
Acrolein	ND	ug/L	20.0	1		08/29/18 00:44	107-02-8	
Benzene	ND	ug/L	1.0	1		08/29/18 00:44	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		08/29/18 00:44	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/29/18 00:44	75-25-2	
Bromomethane	ND	ug/L	2.0	1		08/29/18 00:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		08/29/18 00:44	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		08/29/18 00:44	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		08/29/18 00:44	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		08/29/18 00:44	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		08/29/18 00:44	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		08/29/18 00:44	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		08/29/18 00:44	108-90-7	
Chloroethane	ND	ug/L	2.0	1		08/29/18 00:44	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/29/18 00:44	67-66-3	
Chloromethane	ND	ug/L	2.0	1		08/29/18 00:44	74-87-3	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/29/18 00:44	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/29/18 00:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/29/18 00:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		08/29/18 00:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/29/18 00:44	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	1		08/29/18 00:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/29/18 00:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/29/18 00:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/29/18 00:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		08/29/18 00:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/29/18 00:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/29/18 00:44	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		08/29/18 00:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		08/29/18 00:44	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		08/29/18 00:44	100-41-4	
2-Hexanone	ND	ug/L	20.0	1		08/29/18 00:44	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		08/29/18 00:44	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		08/29/18 00:44	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/29/18 00:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	1		08/29/18 00:44	108-10-1	L2
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/29/18 00:44	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		08/29/18 00:44	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		08/29/18 00:44	103-65-1	
Styrene	ND	ug/L	1.0	1		08/29/18 00:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/29/18 00:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/29/18 00:44	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		08/29/18 00:44	127-18-4	
Toluene	ND	ug/L	1.0	1		08/29/18 00:44	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		08/29/18 00:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/29/18 00:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/29/18 00:44	79-00-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LA289-LA293

Pace Project No.: 50204113

Sample: LA293		Lab ID: 50204113005	Collected: 08/23/18 13:00	Received: 08/23/18 15:40	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		08/29/18 00:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	1		08/29/18 00:44	75-69-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		08/29/18 00:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		08/29/18 00:44	108-67-8	
Vinyl acetate	ND	ug/L	20.0	1		08/29/18 00:44	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		08/29/18 00:44	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		08/29/18 00:44	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		08/29/18 00:44	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%.	85-111	1		08/29/18 00:44	460-00-4	
Dibromofluoromethane (S)	96	%.	89-116	1		08/29/18 00:44	1868-53-7	
Toluene-d8 (S)	96	%.	87-110	1		08/29/18 00:44	2037-26-5	
Tentatively Identified Compounds								
Unknown	49.2J	ug/L		1		08/29/18 00:44		
Unknown	18.3J	ug/L		1		08/29/18 00:44		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LA289-LA293
Pace Project No.: 50204113

QC Batch: 459057 Analysis Method: EPA 5030B/8260
QC Batch Method: EPA 5030B/8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 50204113001, 50204113002, 50204113003, 50204113004, 50204113005

METHOD BLANK: 2118711 Matrix: Water
Associated Lab Samples: 50204113001, 50204113002, 50204113003, 50204113004, 50204113005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	08/28/18 22:42	
1,1,1-Trichloroethane	ug/L	ND	1.0	08/28/18 22:42	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	08/28/18 22:42	
1,1,2-Trichloroethane	ug/L	ND	1.0	08/28/18 22:42	
1,1-Dichloroethane	ug/L	ND	1.0	08/28/18 22:42	
1,1-Dichloroethene	ug/L	ND	1.0	08/28/18 22:42	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	08/28/18 22:42	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	08/28/18 22:42	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	08/28/18 22:42	
1,2-Dichlorobenzene	ug/L	ND	1.0	08/28/18 22:42	
1,2-Dichloroethane	ug/L	ND	1.0	08/28/18 22:42	
1,2-Dichloropropane	ug/L	ND	1.0	08/28/18 22:42	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	08/28/18 22:42	
1,3-Dichlorobenzene	ug/L	ND	1.0	08/28/18 22:42	
1,4-Dichlorobenzene	ug/L	ND	1.0	08/28/18 22:42	
2-Butanone (MEK)	ug/L	ND	20.0	08/28/18 22:42	
2-Hexanone	ug/L	ND	20.0	08/28/18 22:42	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20.0	08/28/18 22:42	
Acetone	ug/L	ND	20.0	08/28/18 22:42	
Acrolein	ug/L	ND	20.0	08/28/18 22:42	
Benzene	ug/L	ND	1.0	08/28/18 22:42	
Bromodichloromethane	ug/L	ND	1.0	08/28/18 22:42	
Bromoform	ug/L	ND	1.0	08/28/18 22:42	
Bromomethane	ug/L	ND	2.0	08/28/18 22:42	
Carbon disulfide	ug/L	ND	5.0	08/28/18 22:42	
Carbon tetrachloride	ug/L	ND	1.0	08/28/18 22:42	
Chlorobenzene	ug/L	ND	1.0	08/28/18 22:42	
Chloroethane	ug/L	ND	2.0	08/28/18 22:42	
Chloroform	ug/L	ND	1.0	08/28/18 22:42	
Chloromethane	ug/L	ND	2.0	08/28/18 22:42	
cis-1,2-Dichloroethene	ug/L	ND	1.0	08/28/18 22:42	
cis-1,3-Dichloropropene	ug/L	ND	1.0	08/28/18 22:42	
Dibromomethane	ug/L	ND	1.0	08/28/18 22:42	
Dichlorodifluoromethane	ug/L	ND	2.0	08/28/18 22:42	
Ethylbenzene	ug/L	ND	1.0	08/28/18 22:42	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	08/28/18 22:42	
m&p-Xylene	ug/L	ND	2.0	08/28/18 22:42	
Methyl-tert-butyl ether	ug/L	ND	4.0	08/28/18 22:42	
Methylene Chloride	ug/L	ND	5.0	08/28/18 22:42	
n-Butylbenzene	ug/L	ND	1.0	08/28/18 22:42	
n-Propylbenzene	ug/L	ND	1.0	08/28/18 22:42	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LA289-LA293

Pace Project No.: 50204113

METHOD BLANK: 2118711

Matrix: Water

Associated Lab Samples: 50204113001, 50204113002, 50204113003, 50204113004, 50204113005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Naphthalene	ug/L	ND	1.0	08/28/18 22:42	
o-Xylene	ug/L	ND	1.0	08/28/18 22:42	
p-Isopropyltoluene	ug/L	ND	1.0	08/28/18 22:42	
sec-Butylbenzene	ug/L	ND	1.0	08/28/18 22:42	
Styrene	ug/L	ND	1.0	08/28/18 22:42	
tert-Butylbenzene	ug/L	ND	1.0	08/28/18 22:42	
Tetrachloroethene	ug/L	ND	1.0	08/28/18 22:42	
.844:Unknown	ug/L	56.9		08/28/18 22:42	
1.957:Methane, dichloro-	ug/L	2.8		08/28/18 22:42	N
3.932:Unknown	ug/L	19.2		08/28/18 22:42	
Toluene	ug/L	ND	1.0	08/28/18 22:42	
trans-1,2-Dichloroethene	ug/L	ND	1.0	08/28/18 22:42	
trans-1,3-Dichloropropene	ug/L	ND	1.0	08/28/18 22:42	
Trichloroethene	ug/L	ND	1.0	08/28/18 22:42	
Trichlorofluoromethane	ug/L	ND	2.0	08/28/18 22:42	
Vinyl acetate	ug/L	ND	20.0	08/28/18 22:42	
Vinyl chloride	ug/L	ND	1.0	08/28/18 22:42	
4-Bromofluorobenzene (S)	%	100	85-111	08/28/18 22:42	
Dibromofluoromethane (S)	%	102	89-116	08/28/18 22:42	
Toluene-d8 (S)	%	96	87-110	08/28/18 22:42	

LABORATORY CONTROL SAMPLE: 2118712

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	43.7	87	80-120	
1,1,1-Trichloroethane	ug/L	50	47.9	96	74-126	
1,1,2,2-Tetrachloroethane	ug/L	50	42.7	85	73-117	
1,1,2-Trichloroethane	ug/L	50	47.2	94	74-119	
1,1-Dichloroethane	ug/L	50	47.0	94	72-119	
1,1-Dichloroethene	ug/L	50	47.6	95	72-123	
1,2,4-Trichlorobenzene	ug/L	50	45.3	91	70-125	
1,2,4-Trimethylbenzene	ug/L	50	44.2	88	76-118	
1,2-Dibromoethane (EDB)	ug/L	50	47.7	95	80-120	
1,2-Dichlorobenzene	ug/L	50	46.0	92	77-117	
1,2-Dichloroethane	ug/L	50	44.1	88	69-122	
1,2-Dichloropropane	ug/L	50	48.3	97	75-124	
1,3,5-Trimethylbenzene	ug/L	50	44.3	89	75-117	
1,3-Dichlorobenzene	ug/L	50	45.7	91	76-116	
1,4-Dichlorobenzene	ug/L	50	45.0	90	74-115	
2-Butanone (MEK)	ug/L	250	266	106	72-147	
2-Hexanone	ug/L	250	209	84	71-132	
4-Methyl-2-pentanone (MIBK)	ug/L	250	201	80	89-128 L2	
Acetone	ug/L	250	255	102	46-170	
Acrolein	ug/L	1000	980	98	13-200	

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QUALITY CONTROL DATA

Project: LA289-LA293

Pace Project No.: 50204113

LABORATORY CONTROL SAMPLE: 2118712

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	46.4	93	78-117	
Bromodichloromethane	ug/L	50	42.7	85	76-120	
Bromoform	ug/L	50	40.8	82	70-124	
Bromomethane	ug/L	50	51.6	103	29-181	
Carbon disulfide	ug/L	50	47.1	94	66-123	
Carbon tetrachloride	ug/L	50	47.1	94	73-132	
Chlorobenzene	ug/L	50	46.9	94	79-112	
Chloroethane	ug/L	50	53.8	108	59-156	
Chloroform	ug/L	50	43.9	88	76-118	
Chloromethane	ug/L	50	40.9	82	45-142	
cis-1,2-Dichloroethene	ug/L	50	46.1	92	75-117	
cis-1,3-Dichloropropene	ug/L	50	41.4	83	77-120	
Dibromomethane	ug/L	50	48.7	97	78-122	
Dichlorodifluoromethane	ug/L	50	61.1	122	41-168	
Ethylbenzene	ug/L	50	45.9	92	80-118	
Isopropylbenzene (Cumene)	ug/L	50	44.5	89	81-117	
m&p-Xylene	ug/L	100	90.2	90	78-118	
Methyl-tert-butyl ether	ug/L	50	49.9	100	71-124	
Methylene Chloride	ug/L	50	47.3	95	59-136	
n-Butylbenzene	ug/L	50	43.5	87	72-118	
n-Propylbenzene	ug/L	50	45.7	91	75-120	
Naphthalene	ug/L	50	47.0	94	67-126	
o-Xylene	ug/L	50	47.2	94	78-118	
p-Isopropyltoluene	ug/L	50	46.2	92	75-115	
sec-Butylbenzene	ug/L	50	44.6	89	76-120	
Styrene	ug/L	50	47.0	94	74-121	
tert-Butylbenzene	ug/L	50	39.9	80	55-109	
Tetrachloroethene	ug/L	50	44.1	88	76-116	
.844:Unknown	ug/L		45.9			
5.680:METHANE, CHLOROiodo-	ug/L		7.8			N
Toluene	ug/L	50	41.6	83	77-115	
trans-1,2-Dichloroethene	ug/L	50	47.5	95	75-121	
trans-1,3-Dichloropropene	ug/L	50	41.0	82	77-121	
Trichloroethene	ug/L	50	45.7	91	76-120	
Trichlorofluoromethane	ug/L	50	46.2	92	81-141	
Vinyl acetate	ug/L	200	174	87	67-131	
Vinyl chloride	ug/L	50	44.3	89	64-155	
4-Bromofluorobenzene (S)	%			99	85-111	
Dibromofluoromethane (S)	%			107	89-116	
Toluene-d8 (S)	%			93	87-110	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LA289-LA293

Pace Project No.: 50204113

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2118713												2118714											
Parameter	Units	50204113003		MS	MSD	MS		MSD		% Rec		Max		Qual									
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD											
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	50	44.8	44.6	90	89	48-138	1	20											
1,1,1-Trichloroethane	ug/L	ND	50	50	50	45.7	49.4	91	99	50-141	8	20											
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	50	40.0	41.9	80	84	52-131	5	20											
1,1,2-Trichloroethane	ug/L	ND	50	50	50	46.6	47.4	93	95	53-131	2	20											
1,1-Dichloroethane	ug/L	ND	50	50	50	44.5	46.2	89	92	51-130	4	20											
1,1-Dichloroethene	ug/L	ND	50	50	50	38.6	40.6	77	81	51-138	5	20											
1,2,4-Trichlorobenzene	ug/L	ND	50	50	50	44.1	45.9	88	92	20-142	4	20											
1,2,4-Trimethylbenzene	ug/L	ND	50	50	50	43.8	45.3	88	91	19-148	3	20											
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	50	47.0	47.6	94	95	57-134	1	20											
1,2-Dichlorobenzene	ug/L	ND	50	50	50	45.8	47.0	92	94	30-142	3	20											
1,2-Dichloroethane	ug/L	ND	50	50	50	42.6	44.3	85	89	46-139	4	20											
1,2-Dichloropropane	ug/L	ND	50	50	50	47.1	48.6	94	97	54-135	3	20											
1,3,5-Trimethylbenzene	ug/L	ND	50	50	50	43.3	44.5	87	89	16-149	3	20											
1,3-Dichlorobenzene	ug/L	ND	50	50	50	44.4	47.3	89	95	24-142	6	20											
1,4-Dichlorobenzene	ug/L	ND	50	50	50	44.1	46.3	88	93	24-140	5	20											
2-Butanone (MEK)	ug/L	ND	250	250	250	229	249	91	100	49-156	9	20											
2-Hexanone	ug/L	ND	250	250	250	188	202	75	81	53-140	8	20											
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	250	195	209	78	84	50-139	7	20											
Acetone	ug/L	ND	250	250	250	213	247	85	99	34-160	15	20											
Acrolein	ug/L	ND	1000	1000	1000	728	784	73	78	30-178	7	20											
Benzene	ug/L	ND	50	50	50	45.8	48.0	92	96	50-135	5	20											
Bromodichloromethane	ug/L	ND	50	50	50	42.6	44.0	85	88	50-135	3	20											
Bromoform	ug/L	ND	50	50	50	39.0	40.6	78	81	43-133	4	20											
Bromomethane	ug/L	ND	50	50	50	29.7	33.1	59	66	15-170	11	20											
Carbon disulfide	ug/L	ND	50	50	50	32.3	34.0	65	68	36-139	5	20											
Carbon tetrachloride	ug/L	ND	50	50	50	45.5	6.1	91	12	43-151	153	20	M1, R1										
Chlorobenzene	ug/L	ND	50	50	50	47.2	47.9	94	96	39-135	2	20											
Chloroethane	ug/L	ND	50	50	50	33.2	35.4	66	71	42-165	7	20											
Chloroform	ug/L	ND	50	50	50	41.9	43.7	84	87	52-134	4	20											
Chloromethane	ug/L	ND	50	50	50	9.4	10.1	19	20	33-146	7	20	M1										
cis-1,2-Dichloroethene	ug/L	ND	50	50	50	43.9	46.3	88	93	48-133	5	20											
cis-1,3-Dichloropropene	ug/L	ND	50	50	50	41.5	42.8	83	86	46-131	3	20											
Dibromomethane	ug/L	ND	50	50	50	47.6	50.1	95	100	55-137	5	20											
Dichlorodifluoromethane	ug/L	ND	50	50	50	1.7J	ND	3	4	29-178		20	M1										
Ethylbenzene	ug/L	ND	50	50	50	46.4	48.2	93	96	31-147	4	20											
Isopropylbenzene (Cumene)	ug/L	ND	50	50	50	44.7	46.1	89	92	25-151	3	20											
m&p-Xylene	ug/L	ND	100	100	100	89.1	93.0	89	93	29-145	4	20											
Methyl-tert-butyl ether	ug/L	ND	50	50	50	44.1	45.9	88	92	51-142	4	20											
Methylene Chloride	ug/L	ND	50	50	50	43.7	44.5	87	89	41-142	2	20											
n-Butylbenzene	ug/L	ND	50	50	50	42.5	45.6	85	91	10-153	7	20											
n-Propylbenzene	ug/L	ND	50	50	50	45.5	48.7	91	97	16-153	7	20											
Naphthalene	ug/L	ND	50	50	50	44.8	47.2	90	94	40-135	5	20											
o-Xylene	ug/L	ND	50	50	50	46.5	48.7	93	97	29-145	5	20											
p-Isopropyltoluene	ug/L	ND	50	50	50	46.4	48.8	93	98	11-150	5	20											
sec-Butylbenzene	ug/L	ND	50	50	50	45.4	47.5	91	95	11-157	4	20											

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LA289-LA293

Pace Project No.: 50204113

Parameter	Units	2118713		2118714		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		50204113003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Styrene	ug/L	ND	50	50	46.5	47.7	93	95	28-142	3	20	
tert-Butylbenzene	ug/L	ND	50	50	40.1	41.4	80	83	11-132	3	20	
Tetrachloroethene	ug/L	ND	50	50	43.8	45.3	88	91	34-140	3	20	
Toluene	ug/L	ND	50	50	41.5	44.0	83	88	43-134	6	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	43.0	45.1	86	90	51-135	5	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	39.1	40.1	78	80	44-133	2	20	
Trichloroethene	ug/L	ND	50	50	44.8	46.9	90	94	40-141	5	20	
Trichlorofluoromethane	ug/L	ND	50	50	33.4	35.4	67	71	56-162	6	20	
Vinyl acetate	ug/L	ND	200	200	14.2J	99.2	7	50	11-134		20	M1
Vinyl chloride	ug/L	ND	50	50	17.3	18.0	35	36	46-164	4	20	M1
4-Bromofluorobenzene (S)	%.						100	101	85-111			
Dibromofluoromethane (S)	%.						99	101	89-116			
Toluene-d8 (S)	%.						94	96	87-110			

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QUALIFIERS

Project: LA289-LA293

Pace Project No.: 50204113

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.

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.

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: LA289-LA293

Pace Project No.: 50204113

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50204113001	LA289	EPA 5030B/8260	459057		
50204113002	LA290	EPA 5030B/8260	459057		
50204113003	LA291	EPA 5030B/8260	459057		
50204113004	LA292	EPA 5030B/8260	459057		
50204113005	LA293	EPA 5030B/8260	459057		

REPORT OF LABORATORY ANALYSIS

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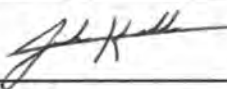


SAMPLE CUSTODY CHAIN - IDEM OFFICE OF LAND QUALITY

State Form 42091 (R2 / 12-06)

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: Sample Date(s): 8/23/18	Print Name: Josh Keller Tim Johnson
	Signature: 

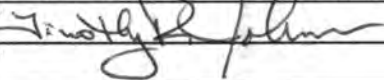
(2A-2C) SAMPLE INFORMATION			(2D) COUNTS				(2E-2F) ANALYSES REQUESTED					(2G) COMMENTS		(2H-2J) DATE & TIME			
Laboratory Control Number (Lab Use)	IDEM Sample Number	Matrix or Sample Type	Glass Bottles	Plastic Bottles	40 ml Vials	Other	VOA Colu						Date	Time	AM	PM	
LA 289	HC-1	WT			3	X							50204113	8/23/18	11:15	X	
LA 290	HC-2	WT			3	X								8/23/18	12:45	X	X
LA 291	HC-3	WT			9	X						MS/MSD	8/23/18	1:15	X	X	
LA 292	DS-1	WT			3	X							8/23/18	12:50	X	X	
LA 293	TB-1	WT			3	X						Trip Blank	8/23/18	1:00		X	

(3) REQUIRED TURNAROUND TIME (with full documentation)

30 days 14 days 7 days 2 days


(4) COMMENTS

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

Relinquished by: 	Date	Time
Received by: _____	8/23/18	1540
Relinquished by: _____		AM / PM
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: 	Date	Time
Laboratory: PACE	8/23/18	1540
Address: 7726 Mower RD INDIANAPOLIS, IN		AM / PM

FOR LABORATORY USE ONLY:

Cooler Temp: 0.8	Sample Condition: Rest
------------------	------------------------



SAMPLE CONDITION UPON RECEIPT FORM

Project #: 50204113

Date/Time and Initials of person examining contents: JLK 8-23-18 1635

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 E Ice Type: Wet Blue None | Samples collected today and on ice: Yes No N/A

Cooler Temperature: 1.0/0.8 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.		f	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)		f	All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.			f
Chain of Custody Present:	f		Circle: HNO3 H2SO4 NaOH NaOH/ZnAc			
Chain of Custody Filled Out:	f		Dissolved Metals field filtered?:			f
Short Hold Time Analysis (<72hr)?						
Analysis:		f	Headspace Wisconsin Sulfide			f
Time 5035A TC placed in Freezer or Short Holds To Lab:				Present	Absent	N/A
			Residual Chlorine Check (SVOC 625 Pest/PCB 608)			f
			Residual Chlorine Check (Total/Amenable/Free Cyanide)			f
Rush TAT Requested:		f	Headspace in VOA Vials (>6mm):		f	
Containers Intact?:	f		Trip Blank Present?:	f		
Sample Labels Match COC?:	f		Trip Blank Custody Seals?:	f		
Except TCs, which only require sample ID						

Comments: _____

Sample Container Count

WO#: 50204113



CLIENT: IDEM

COC PAGE 1 of 1

COC ID# _____

Project # 50204113

Sample Line Item	DG9H DG9T	AG0U	AG1H	AG1U	AG2U	AG3S	WGFU	SP5T	BP1U	BP2N	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	BU	Kit	Matrix (Soil/W. Aqueou)	pH <2	pH >9	pH >12	
																	R						
1	3																						
2	↓																						
3	9																						
4	3																						
5	↓																						
6																							
7																							
8																							
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.: 50204113 Contract: LA289-LA293

Instrument ID: 50MV2A

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
2118711	2118711BLANK	100	102	96
2118712	2118712LCS	99	107	93
2118713	2118713MS	100	99	94
2118714	2118714MSD	101	101	96
50204113001	LA289	98	98	89
50204113002	LA290	98	97	94
50204113003	LA291	102	99	95
50204113004	LA292	100	100	94
50204113005	LA293	100	96	96

(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 III VOA-1
WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Date Extracted: 08/28/2018
Instrument: 50MV2A
Lab File ID: A082818.B\C02LCS.D

Lab Sample ID: 2118712LCS
Date Analyzed (1): 08/28/2018
LCS Lot No: 184314
SDG No.: 50204113

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Acetone	250	255	102	46-170
Acrolein	1000	980	98	13-200
Benzene	50.0	46.4	93	78-117
Bromodichloromethane	50.0	42.7	85	76-120
Bromoform	50.0	40.8	82	70-124
Bromomethane	50.0	51.6	103	29-181
2-Butanone (MEK)	250	266	106	72-147
n-Butylbenzene	50.0	43.5	87	72-118
sec-Butylbenzene	50.0	44.6	89	76-120
tert-Butylbenzene	50.0	39.9	80	55-109
Carbon disulfide	50.0	47.1	94	66-123
Carbon tetrachloride	50.0	47.1	94	73-132
Chlorobenzene	50.0	46.9	94	79-112
Chloroethane	50.0	53.8	108	59-156
Chloroform	50.0	43.9	88	76-118
Chloromethane	50.0	40.9	82	45-142
1,2-Dibromoethane (EDB)	50.0	47.7	95	80-120
Dibromomethane	50.0	48.7	97	78-122
1,2-Dichlorobenzene	50.0	46.0	92	77-117
1,3-Dichlorobenzene	50.0	45.7	91	76-116
1,4-Dichlorobenzene	50.0	45.0	90	74-115
Dichlorodifluoromethane	50.0	61.1	122	41-168
1,1-Dichloroethane	50.0	47.0	94	72-119
1,2-Dichloroethane	50.0	44.1	88	69-122
1,1-Dichloroethene	50.0	47.6	95	72-123
cis-1,2-Dichloroethene	50.0	46.1	92	75-117
trans-1,2-Dichloroethene	50.0	47.5	95	75-121
1,2-Dichloropropane	50.0	48.3	97	75-124
cis-1,3-Dichloropropene	50.0	41.4	83	77-120
trans-1,3-Dichloropropene	50.0	41.0	82	77-121
Ethylbenzene	50.0	45.9	92	80-118
2-Hexanone	250	209	84	71-132
Isopropylbenzene (Cumene)	50.0	44.5	89	81-117
p-Isopropyltoluene	50.0	46.2	92	75-115
Methylene Chloride	50.0	47.3	95	59-136
4-Methyl-2-pentanone (MIBK)	250	201	80	89-128
Methyl-tert-butyl ether	50.0	49.9	100	71-124
Naphthalene	50.0	47.0	94	67-126
n-Propylbenzene	50.0	45.7	91	75-120
Styrene	50.0	47.0	94	74-121
1,1,1,2-Tetrachloroethane	50.0	43.7	87	80-120
1,1,2,2-Tetrachloroethane	50.0	42.7	85	73-117
Tetrachloroethene	50.0	44.1	88	76-116
Toluene	50.0	41.6	83	77-115
1,2,4-Trichlorobenzene	50.0	45.3	91	70-125
1,1,1-Trichloroethane	50.0	47.9	96	74-126
1,1,2-Trichloroethane	50.0	47.2	94	74-119

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

Lab Name: Pace Analytical - Indiana
 Date Extracted: 08/28/2018
 Instrument: 50MV2A
 Lab File ID: A082818.B\C02LCS.D

Lab Sample ID: 2118712LCS
 Date Analyzed (1): 08/28/2018
 LCS Lot No: 184314
 SDG No.: 50204113

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Trichloroethene	50.0	45.7	91	76-120
Trichlorofluoromethane	50.0	46.2	92	81-141
1,2,4-Trimethylbenzene	50.0	44.2	88	76-118
1,3,5-Trimethylbenzene	50.0	44.3	89	75-117
Vinyl acetate	200	174	87	67-131
Vinyl chloride	50.0	44.3	89	64-155
m&p-Xylene	100	90.2	90	78-118
o-Xylene	50.0	47.2	94	78-118

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 - Indiana
Date Extracted: 08/29/2018
Instrument: 50MV2A
Parent Sample ID: LA291

Matrix Spike - Sample No: 2118713MS
Date Analyzed (1): 08/29/2018
Lab File ID: A082818.B\C24.D
SDG No.: 50204113

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	44.8	90	48-138
1,1,1-Trichloroethane	50.0	ND	45.7	91	50-141
1,1,2,2-Tetrachloroethane	50.0	ND	40.0	80	52-131
1,1,2-Trichloroethane	50.0	ND	46.6	93	53-131
1,1-Dichloroethane	50.0	ND	44.5	89	51-130
1,1-Dichloroethene	50.0	ND	38.6	77	51-138
1,2,4-Trichlorobenzene	50.0	ND	44.1	88	20-142
1,2,4-Trimethylbenzene	50.0	ND	43.8	88	19-148
1,2-Dibromoethane (EDB)	50.0	ND	47.0	94	57-134
1,2-Dichlorobenzene	50.0	ND	45.8	92	30-142
1,2-Dichloroethane	50.0	ND	42.6	85	46-139
1,2-Dichloropropane	50.0	ND	47.1	94	54-135
1,3,5-Trimethylbenzene	50.0	ND	43.3	87	16-149
1,3-Dichlorobenzene	50.0	ND	44.4	89	24-142
1,4-Dichlorobenzene	50.0	ND	44.1	88	24-140
2-Butanone (MEK)	250	ND	229	91	49-156
2-Hexanone	250	ND	188	75	53-140
4-Methyl-2-pentanone (MIBK)	250	ND	195	78	50-139
Acetone	250	ND	213	85	34-160
Acrolein	1000	ND	728	73	30-178
Benzene	50.0	ND	45.8	92	50-135
Bromodichloromethane	50.0	ND	42.6	85	50-135
Bromoform	50.0	ND	39.0	78	43-133
Bromomethane	50.0	ND	29.7	59	15-170
Carbon disulfide	50.0	ND	32.3	65	36-139
Carbon tetrachloride	50.0	ND	45.5	91	43-151
Chlorobenzene	50.0	ND	47.2	94	39-135
Chloroethane	50.0	ND	33.2	66	42-165
Chloroform	50.0	ND	41.9	84	52-134
Chloromethane	50.0	ND	9.4	19	33-146
Dibromomethane	50.0	ND	47.6	95	55-137
Dichlorodifluoromethane	50.0	ND	1.7J	3	29-178
Ethylbenzene	50.0	ND	46.4	93	31-147
Isopropylbenzene (Cumene)	50.0	ND	44.7	89	25-151
Methyl-tert-butyl ether	50.0	ND	44.1	88	51-142
Methylene Chloride	50.0	ND	43.7	87	41-142
Naphthalene	50.0	ND	44.8	90	40-135
Styrene	50.0	ND	46.5	93	28-142
Tetrachloroethene	50.0	ND	43.8	88	34-140
Toluene	50.0	ND	41.5	83	43-134
Trichloroethene	50.0	ND	44.8	90	40-141
Trichlorofluoromethane	50.0	ND	33.4	67	56-162
Vinyl acetate	200	ND	14.2J	7	11-134
Vinyl chloride	50.0	ND	17.3	35	46-164
cis-1,2-Dichloroethene	50.0	ND	43.9	88	48-133
cis-1,3-Dichloropropene	50.0	ND	41.5	83	46-131
m&p-Xylene	100	ND	89.1	89	29-145

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

Lab Name: Pace Analytical - Indiana

Matrix Spike - Sample No: 2118713MS

Date Extracted: 08/29/2018

Date Analyzed (1): 08/29/2018

Instrument: 50MV2A

Lab File ID: A082818.B\C24.D

Parent Sample ID: LA291

SDG No.: 50204113

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
n-Butylbenzene	50.0	ND	42.5	85	10-153
n-Propylbenzene	50.0	ND	45.5	91	16-153
o-Xylene	50.0	ND	46.5	93	29-145
p-Isopropyltoluene	50.0	ND	46.4	93	11-150
sec-Butylbenzene	50.0	ND	45.4	91	11-157
tert-Butylbenzene	50.0	ND	40.1	80	11-132
trans-1,2-Dichloroethene	50.0	ND	43.0	86	51-135
trans-1,3-Dichloropropene	50.0	ND	39.1	78	44-133

Spike Recovery: 4 out of 55 outside limits.

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

Instrument (2): 50MV2A Matrix Spike Duplicate - Sample No: 2118714MSD
 Lab File ID (2): A082818.BIC25.D Date Analyzed (2): 08/29/2018

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	50.0	44.6	89	1	0-20	48-138
1,1,1-Trichloroethane	50.0	49.4	99	8	0-20	50-141
1,1,2,2-Tetrachloroethane	50.0	41.9	84	5	0-20	52-131
1,1,2-Trichloroethane	50.0	47.4	95	2	0-20	53-131
1,1-Dichloroethane	50.0	46.2	92	4	0-20	51-130
1,1-Dichloroethene	50.0	40.6	81	5	0-20	51-138
1,2,4-Trichlorobenzene	50.0	45.9	92	4	0-20	20-142
1,2,4-Trimethylbenzene	50.0	45.3	91	3	0-20	19-148
1,2-Dibromoethane (EDB)	50.0	47.6	95	1	0-20	57-134
1,2-Dichlorobenzene	50.0	47.0	94	3	0-20	30-142
1,2-Dichloroethane	50.0	44.3	89	4	0-20	46-139
1,2-Dichloropropane	50.0	48.6	97	3	0-20	54-135
1,3,5-Trimethylbenzene	50.0	44.5	89	3	0-20	16-149
1,3-Dichlorobenzene	50.0	47.3	95	6	0-20	24-142
1,4-Dichlorobenzene	50.0	46.3	93	5	0-20	24-140
2-Butanone (MEK)	250	249	100	9	0-20	49-156
2-Hexanone	250	202	81	8	0-20	53-140
4-Methyl-2-pentanone (MIBK)	250	209	84	7	0-20	50-139
Acetone	250	247	99	15	0-20	34-160
Acrolein	1000	784	78	7	0-20	30-178
Benzene	50.0	48.0	96	5	0-20	50-135
Bromodichloromethane	50.0	44.0	88	3	0-20	50-135
Bromoform	50.0	40.6	81	4	0-20	43-133
Bromomethane	50.0	33.1	66	11	0-20	15-170
Carbon disulfide	50.0	34.0	68	5	0-20	36-139
Carbon tetrachloride	50.0	6.1	12	153	0-20	43-151
Chlorobenzene	50.0	47.9	96	2	0-20	39-135
Chloroethane	50.0	35.4	71	7	0-20	42-165
Chloroform	50.0	43.7	87	4	0-20	52-134
Chloromethane	50.0	10.1	20	7	0-20	33-146
Dibromomethane	50.0	50.1	100	5	0-20	55-137
Dichlorodifluoromethane	50.0	ND	4		0-20	29-178
Ethylbenzene	50.0	48.2	96	4	0-20	31-147
Isopropylbenzene (Cumene)	50.0	46.1	92	3	0-20	25-151
Methyl-tert-butyl ether	50.0	45.9	92	4	0-20	51-142
Methylene Chloride	50.0	44.5	89	2	0-20	41-142
Naphthalene	50.0	47.2	94	5	0-20	40-135
Styrene	50.0	47.7	95	3	0-20	28-142
Tetrachloroethene	50.0	45.3	91	3	0-20	34-140
Toluene	50.0	44.0	88	6	0-20	43-134
Trichloroethene	50.0	46.9	94	5	0-20	40-141
Trichlorofluoromethane	50.0	35.4	71	6	0-20	56-162
Vinyl acetate	200	99.2	50		0-20	11-134
Vinyl chloride	50.0	18.0	36	4	0-20	46-164
cis-1,2-Dichloroethene	50.0	46.3	93	5	0-20	48-133
cis-1,3-Dichloropropene	50.0	42.8	86	3	0-20	46-131
m&p-Xylene	100	93.0	93	4	0-20	29-145
n-Butylbenzene	50.0	45.6	91	7	0-20	10-153
n-Propylbenzene	50.0	48.7	97	7	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: 2118714MSD
 Lab File ID (2): A082818.BIC25.D Date Analyzed (2): 08/29/2018

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
o-Xylene	50.0	48.7	97	5	0-20	29-145
p-Isopropyltoluene	50.0	48.8	98	5	0-20	11-150
sec-Butylbenzene	50.0	47.5	95	4	0-20	11-157
tert-Butylbenzene	50.0	41.4	83	3	0-20	11-132
trans-1,2-Dichloroethene	50.0	45.1	90	5	0-20	51-135
trans-1,3-Dichloropropene	50.0	40.1	80	2	0-20	44-133

RPD: 1 out of 53 outside limits.

Spike Recovery: 4 out of 55 outside limits.

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MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

2118711BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 50204113 Contract: LA289-LA293
Instrument ID: 50MV2A Matrix: Water Lab Sample ID: 2118711
Lab File ID: A082818.B\C03MB.D Date Analyzed: 08/28/2018 Time: 22:42

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
2118712LCS	2118712	A082818.B\C02LCS.D	08/28/2018 22:18
LA289	50204113001	A082818.B\C04.D	08/28/2018 23:07
LA290	50204113002	A082818.B\C05.D	08/28/2018 23:31
LA291	50204113003	A082818.B\C06.D	08/28/2018 23:55
LA292	50204113004	A082818.B\C07.D	08/29/2018 00:20
LA293	50204113005	A082818.B\C08.D	08/29/2018 00:44
2118713MS	2118713	A082818.B\C24.D	08/29/2018 07:16
2118714MSD	2118714	A082818.B\C25.D	08/29/2018 07:40

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

Lab Name: Pace Analytical - Indiana SDG No.: 50204113 Contract: LA289-LA293
 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.: 50204113 Contract: LA289-LA293
 Lab File ID: A082818.B\C00BFB.D BFB Injection Date: 08/28/2018
 Instrument ID: 50MV2A BFB Injection Time: 21:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	21.49
75	30.00 - 60.00% of mass 95	45.52
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.58
173	Less than 2.00% of mass 174	0.00
174	50.00 - 100.00% of mass 95	81.56
175	5.00 - 9.00% of mass 174	5.97 (7.32) ¹
176	95.00 - 101.00% of mass 174	82.22 (100.81) ¹
177	5.00 - 9.00% of mass 176	5.37 (6.53) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
13716363CCV	13716363CCV	A082818.B\C01CCV.D	08/28/2018	21:53
2118712LCS	2118712LCS	A082818.B\C02LCS.D	08/28/2018	22:18
2118711BLANK	2118711BLANK	A082818.B\C03MB.D	08/28/2018	22:42
LA289	50204113001	A082818.B\C04.D	08/28/2018	23:07
LA290	50204113002	A082818.B\C05.D	08/28/2018	23:31
LA291	50204113003	A082818.B\C06.D	08/28/2018	23:55
LA292	50204113004	A082818.B\C07.D	08/29/2018	00:20
LA293	50204113005	A082818.B\C08.D	08/29/2018	00:44
2118713MS	2118713MS	A082818.B\C24.D	08/29/2018	07:16
2118714MSD	2118714MSD	A082818.B\C25.D	08/29/2018	07:40

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

Lab Name: Pace Analytical - Indiana SDG No.: 50204113 Contract: LA289-LA293
 Sample ID : 13716363CCV Date Analyzed: 08/28/2018
 Instrument ID: 50MV2A GC Column: Col 1 Time Analyzed: 21:53
 Lab File ID: A082818.B\C01CCV.D

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		293553	7.541	152142	9.269	352291	4.361
UPPER LIMIT		587106	8.041	304284	9.769	704582	4.861
LOWER LIMIT		146776.5	7.041	76071	8.769	176145.5	3.861
LAB SAMPLE ID	SAMPLE NO.						
2118711	2118711BLANK	281822	7.541	142962	9.269	335259	4.361
2118712	2118712LCS	289512	7.541	150621	9.269	352897	4.358
2118713	2118713MS	276676	7.541	145016	9.269	337840	4.358
2118714	2118714MSD	274299	7.541	143032	9.269	337300	4.361
50204113001	LA289	277935	7.541	139597	9.269	340540	4.361
50204113002	LA290	277772	7.541	141112	9.269	346990	4.361
50204113003	LA291	270197	7.541	140039	9.269	337950	4.358
50204113004	LA292	269156	7.541	138771	9.269	333244	4.361
50204113005	LA293	274062	7.541	139013	9.269	337607	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 I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA289

Lab Name: Pace Analytical - Indiana
Date Received: 08/23/2018 15:40
Date Extracted: 08/28/2018 23:07
Date Analyzed: 08/28/2018 23:07
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA289-LA293
Matrix: Water SDG No.: 50204113
Lab Sample ID: 50204113001
Lab File ID: A082818.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

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

SAMPLE NO.

LA289

Lab Name: Pace Analytical - Indiana
 Date Received: 08/23/2018 15:40
 Date Extracted: 08/28/2018 23:07
 Date Analyzed: 08/28/2018 23:07
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA289-LA293
 Matrix: Water SDG No.: 50204113
 Lab Sample ID: 50204113001
 Lab File ID: A082818.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

08/30/2018 10:41

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

SAMPLE NO.

LA289

Lab Name: Pace Analytical - Indiana
Date Received: 08/23/2018 15:40
Date Extracted: 08/28/2018 23:07
Date Analyzed: 08/28/2018 23:07
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA289-LA293
Matrix: Water SDG No.: 50204113
Lab Sample ID: 50204113001
Lab File ID: A082818.B\C04.D
Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	RT	EST. CONC. UNITS: ug/L	Q
	Unknown	0.844	103	J
	Unknown	3.932	18.4	J
	Unknown	2.135	3.0	J

08/30/2018 10:41

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\082818.b\c04.d
 Lab Smp Id: 50204113001 Client Smp ID: LA289
 Inj Date : 28-AUG-2018 23:07
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 50204113001
 Misc Info : 117690
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\082818.b\08260_a_c.m
 Meth Date : 29-Aug-2018 13:55 avasquez 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
 Processing Host: 50-VOA-AMV1

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	3.501	(0.802)	74488	48.9771	49.0	
* 45 Fluorobenzene	96		4.360	4.360	(1.000)	340540	50.0000		
\$ 57 Toluene-d8	98		6.186	6.188	(0.820)	303654	44.6854	44.7	
* 67 Chlorobenzene-d5	117		7.540	7.541	(1.000)	277935	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.461	8.461	(1.122)	127211	48.9025	48.9	
* 91 1,4-Dichlorobenzene-d4	152		9.268	9.268	(1.000)	139597	50.0000		

Review Codes Legend

:

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\082818.b\c04.d
 Lab Smp Id: 50204113001 Client Smp ID: LA289
 Inj Date : 28-AUG-2018 23:07
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 50204113001
 Misc Info : 117690
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\082818.b\08260_a_c.m
 Meth Date : 29-Aug-2018 13:55 avasquez 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
 Processing Host: 50-VOA-AMV1

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

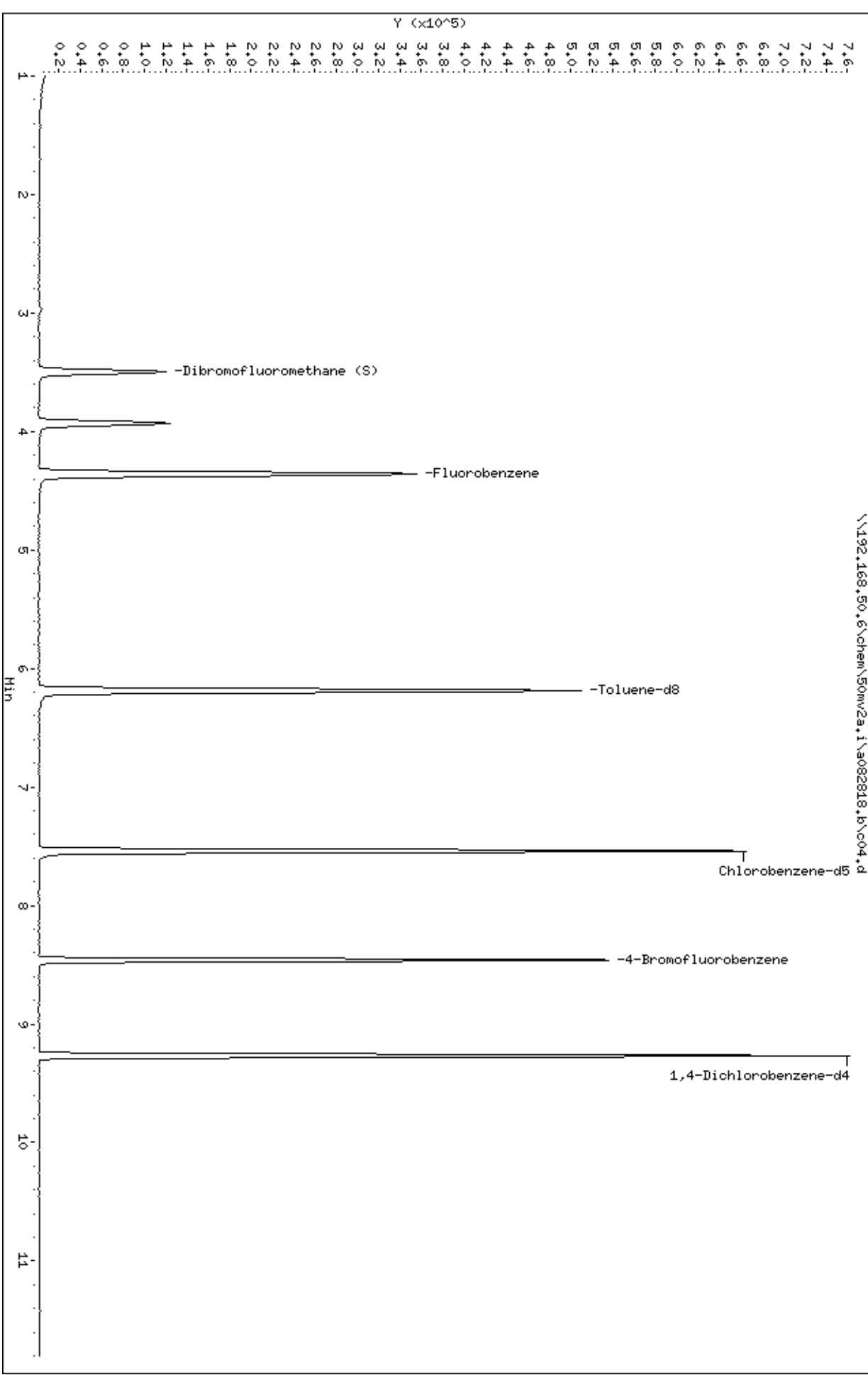
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

COMPOUND	RT	AREA	AMOUNT
\$ 36 Dibromofluoromethane (S)	3.496	253149	48.977
* 45 Fluorobenzene	4.361	733987	50.000

RT	CONCENTRATIONS				QUANT			REVIEW CODE
	AREA	ON-COL(ppb)	FINAL(ppb)	QUAL	LIBRARY	LIB ENTRY	CPND #	
Unknown								
0.844	532010	102.928560	103	0		0	36	
Unknown								
2.135	15502	2.99910678	3.00	0		0	36	
Unknown								
3.932	269955	18.3896286	18.4	0		0	45	

Data File: \\192.168.50.6\chem\50mw2a.1\A082818.B\c04.d
Date: 28-AUG-2018 23:07
Client ID: LA289
Sample Info: 50204113001
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\a082818.b/c04.d
Injection Date: 28-AUG-2018 23:07
Instrument: 50mv2a.i
Lab Sample ID: 50204113001
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

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

SAMPLE NO.

LA290

Lab Name: Pace Analytical - Indiana
Date Received: 08/23/2018 15:40
Date Extracted: 08/28/2018 23:31
Date Analyzed: 08/28/2018 23:31
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA289-LA293
Matrix: Water SDG No.: 50204113
Lab Sample ID: 50204113002
Lab File ID: A082818.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

08/30/2018 10:42

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

SAMPLE NO.

LA290

Lab Name: Pace Analytical - Indiana
 Date Received: 08/23/2018 15:40
 Date Extracted: 08/28/2018 23:31
 Date Analyzed: 08/28/2018 23:31
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA289-LA293
 Matrix: Water SDG No.: 50204113
 Lab Sample ID: 50204113002
 Lab File ID: A082818.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.

LA290

Lab Name: Pace Analytical - Indiana Contract: LA289-LA293
 Date Received: 08/23/2018 15:40 Matrix: Water SDG No.: 50204113
 Date Extracted: 08/28/2018 23:31 Lab Sample ID: 50204113002
 Date Analyzed: 08/28/2018 23:31 Lab File ID: A082818.B\C05.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	3.935	18.0	J
	Unknown	0.844	97.8	J

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a082818.b\c05.d
 Lab Smp Id: 50204113002 Client Smp ID: LA290
 Inj Date : 28-AUG-2018 23:31
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 50204113002
 Misc Info : 117690
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a082818.b\ -a8260_a_c.m
 Meth Date : 29-Aug-2018 13:55 avasquez 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
 Processing Host: 50-VOA-AMV1

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	3.501	(0.802)	75500	48.7198	48.7	
* 45 Fluorobenzene	96		4.360	4.360	(1.000)	346990	50.0000		
\$ 57 Toluene-d8	98		6.186	6.188	(0.820)	319193	46.9996	47.0	
* 67 Chlorobenzene-d5	117		7.541	7.541	(1.000)	277772	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.459	8.461	(1.122)	127916	49.2023	49.2	
* 91 1,4-Dichlorobenzene-d4	152		9.268	9.268	(1.000)	141112	50.0000		

Review Codes Legend

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Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a082818.b\c05.d
 Lab Smp Id: 50204113002 Client Smp ID: LA290
 Inj Date : 28-AUG-2018 23:31
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 50204113002
 Misc Info : 117690
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a082818.b\ -a8260_a_c.m
 Meth Date : 29-Aug-2018 13:55 avasquez 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
 Processing Host: 50-VOA-AMV1

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

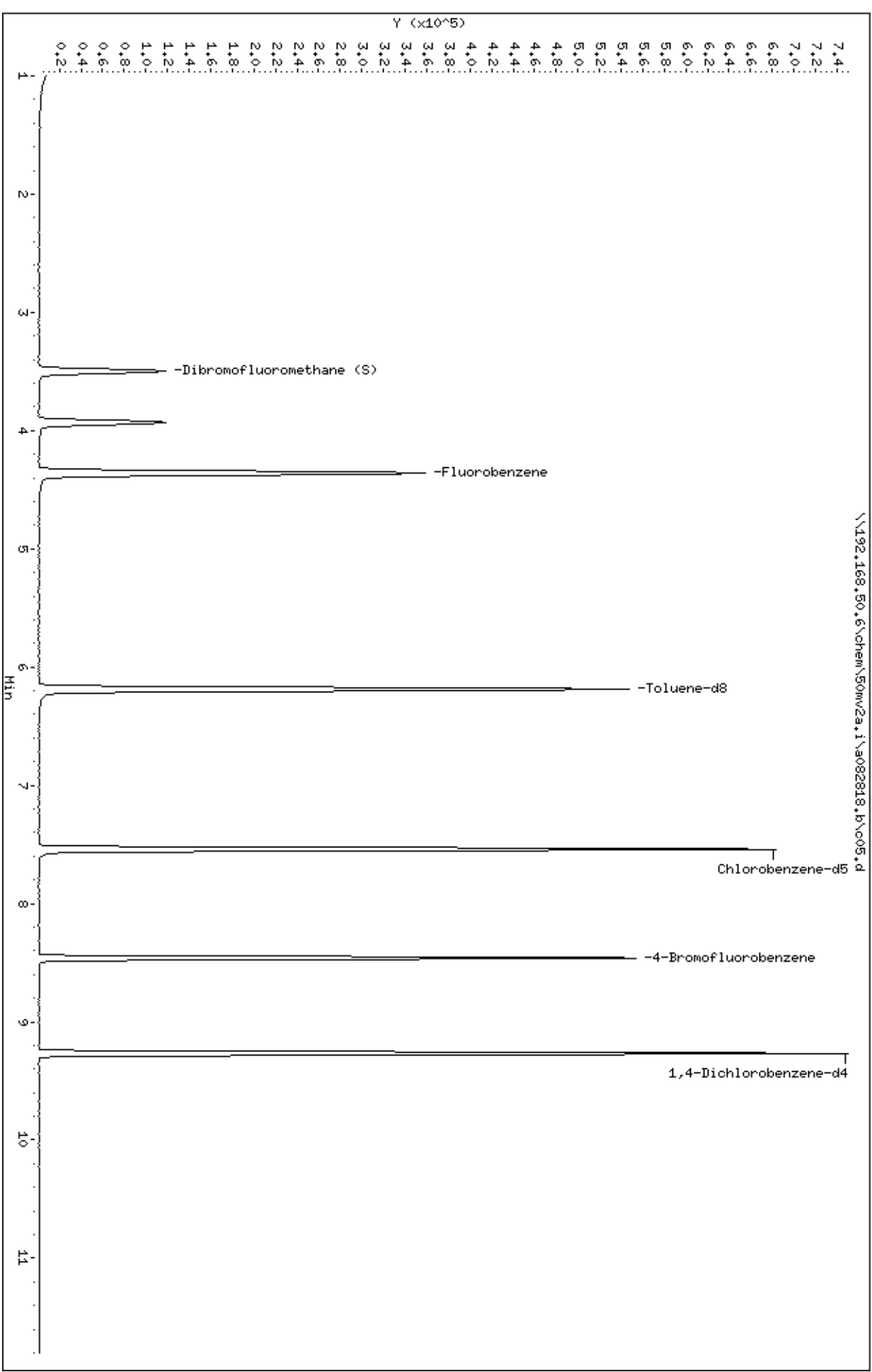
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

COMPOUND	RT	AREA	AMOUNT
\$ 36 Dibromofluoromethane (S)	3.496	252852	48.720
* 45 Fluorobenzene	4.361	733679	50.000

RT	AREA	CONCENTRATIONS			QUANT			REVIEW CODE
		ON-COL(ppb)	FINAL(ppb)	QUAL	LIBRARY	LIB ENTRY	CPND #	
Unknown								
0.844	507715	97.8266793	97.8	0		0	36	
Unknown								
3.935	264480	18.0242568	18.0	0		0	45	

Data File: \\192.168.50.6\chem\50mw2a.i\A082818.B\c05.d
Date: 28-AUG-2018 23:31
Client ID: LA290
Sample Info: 50204113002
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\a082818.b/c05.d
Injection Date: 28-AUG-2018 23:31
Instrument: 50mv2a.i
Lab Sample ID: 50204113002
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

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

SAMPLE NO.

LA291

Lab Name: Pace Analytical - Indiana
Date Received: 08/23/2018 15:40
Date Extracted: 08/28/2018 23:55
Date Analyzed: 08/28/2018 23:55
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA289-LA293
Matrix: Water SDG No.: 50204113
Lab Sample ID: 50204113003
Lab File ID: A082818.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

08/30/2018 10:41

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

SAMPLE NO.

LA291

Lab Name: Pace Analytical - Indiana
 Date Received: 08/23/2018 15:40
 Date Extracted: 08/28/2018 23:55
 Date Analyzed: 08/28/2018 23:55
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA289-LA293
 Matrix: Water SDG No.: 50204113
 Lab Sample ID: 50204113003
 Lab File ID: A082818.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

08/30/2018 10:41

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

SAMPLE NO.

LA291

Lab Name: Pace Analytical - Indiana Contract: LA289-LA293
Date Received: 08/23/2018 15:40 Matrix: Water SDG No.: 50204113
Date Extracted: 08/28/2018 23:55 Lab Sample ID: 50204113003
Date Analyzed: 08/28/2018 23:55 Lab File ID: A082818.B\C06.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	0.844	100	J
	Unknown	3.932	18.5	J

08/30/2018 10:41

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a082818.b\c06.d
 Lab Smp Id: 50204113003 Client Smp ID: LA291
 Inj Date : 28-AUG-2018 23:55
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 50204113003
 Misc Info : 117690
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a082818.b\ -a8260_a_c.m
 Meth Date : 29-Aug-2018 13:55 avasquez 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
 Processing Host: 50-VOA-AMV1

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	3.501	(0.802)	74458	49.3326	49.3	
* 45 Fluorobenzene	96		4.358	4.360	(1.000)	337950	50.0000		
\$ 57 Toluene-d8	98		6.188	6.188	(0.821)	312579	47.3161	47.3	
* 67 Chlorobenzene-d5	117		7.541	7.541	(1.000)	270197	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.459	8.461	(1.122)	129432	51.1812	51.2	
* 91 1,4-Dichlorobenzene-d4	152		9.268	9.268	(1.000)	140039	50.0000		

Review Codes Legend

:

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a082818.b\c06.d
 Lab Smp Id: 50204113003 Client Smp ID: LA291
 Inj Date : 28-AUG-2018 23:55
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 50204113003
 Misc Info : 117690
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a082818.b\ -a8260_a_c.m
 Meth Date : 29-Aug-2018 13:55 avasquez 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
 Processing Host: 50-VOA-AMV1

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

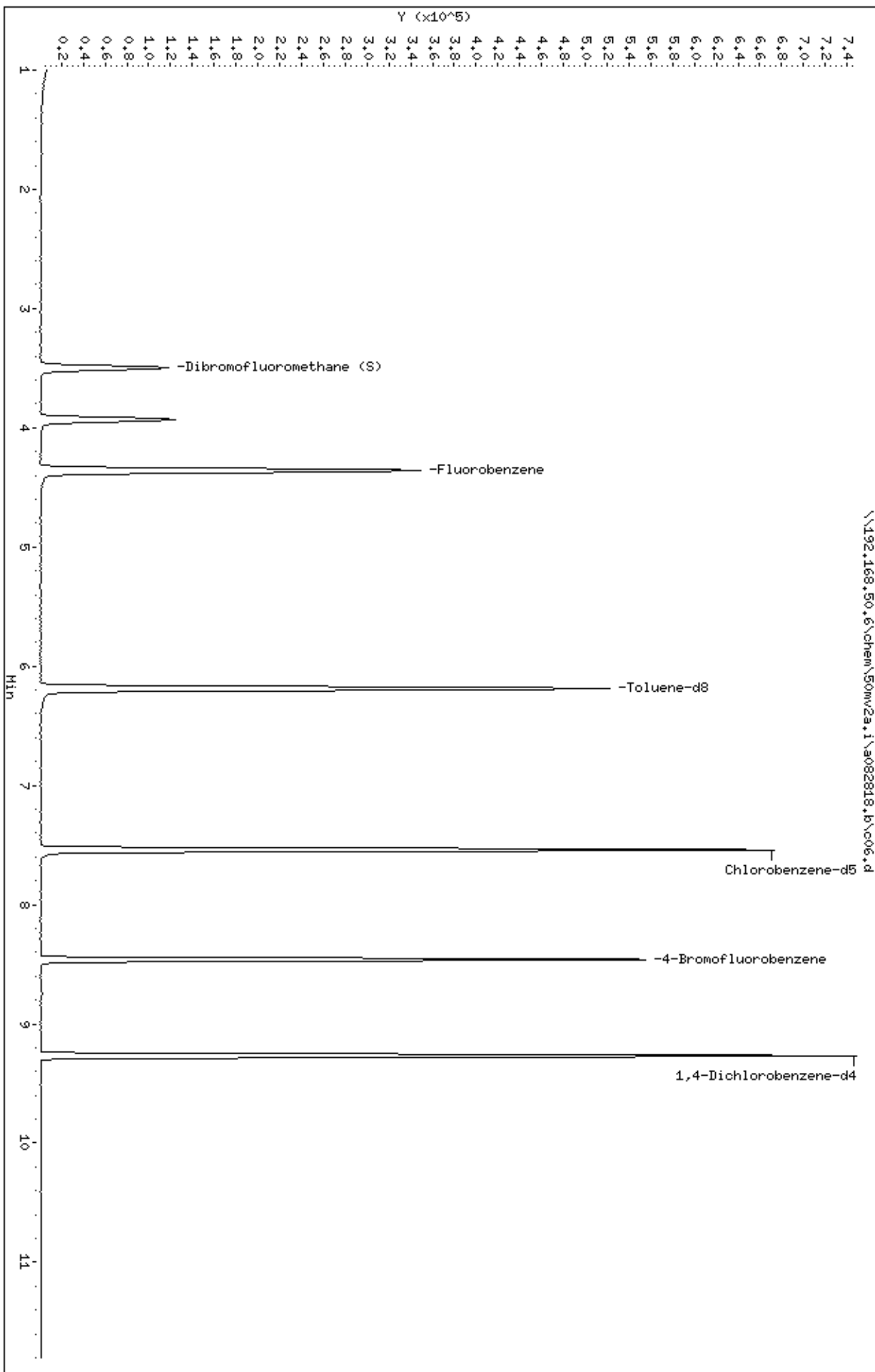
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

COMPOUND	RT	AREA	AMOUNT
\$ 36 Dibromofluoromethane (S)	3.496	251148	49.333
* 45 Fluorobenzene	4.358	724620	50.000

RT	CONCENTRATIONS				QUANT			REVIEW CODE
	AREA	ON-COL(ppb)	FINAL(ppb)	QUAL	LIBRARY	LIB ENTRY	CPND #	
Unknown								
0.844	510842	100.343740	100	0		0	36	
Unknown								
3.932	267510	18.4586336	18.4	0		0	45	

Data File: \\192.168.50.6\chem\50mw2a.1\9082818.b\c06.d
Date : 28-AUG-2018 23:55
Client ID: LA291
Sample Info: 50204113003
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\a082818.b/c06.d
Injection Date: 28-AUG-2018 23:55
Instrument: 50mv2a.i
Lab Sample ID: 50204113003
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

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

SAMPLE NO.

LA292

Lab Name: Pace Analytical - Indiana
Date Received: 08/23/2018 15:40
Date Extracted: 08/29/2018 00:20
Date Analyzed: 08/29/2018 00:20
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA289-LA293
Matrix: Water SDG No.: 50204113
Lab Sample ID: 50204113004
Lab File ID: A082818.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

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

SAMPLE NO.

LA292

Lab Name: Pace Analytical - Indiana
 Date Received: 08/23/2018 15:40
 Date Extracted: 08/29/2018 00:20
 Date Analyzed: 08/29/2018 00:20
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA289-LA293
 Matrix: Water SDG No.: 50204113
 Lab Sample ID: 50204113004
 Lab File ID: A082818.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

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

SAMPLE NO.

LA292

Lab Name: Pace Analytical - Indiana Contract: LA289-LA293
 Date Received: 08/23/2018 15:40 Matrix: Water SDG No.: 50204113
 Date Extracted: 08/29/2018 00:20 Lab Sample ID: 50204113004
 Date Analyzed: 08/29/2018 00:20 Lab File ID: A082818.B\C07.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	3.932	18.4	J
	Unknown	0.844	99.2	J

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a082818.b\c07.d
 Lab Smp Id: 50204113004 Client Smp ID: LA292
 Inj Date : 29-AUG-2018 00:20
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 50204113004
 Misc Info : 117690
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a082818.b\ -a8260_a_c.m
 Meth Date : 29-Aug-2018 13:55 avasquez 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
 Processing Host: 50-VOA-AMV1

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	3.501	(0.802)	74133	49.8109	49.8	
* 45 Fluorobenzene	96		4.360	4.360	(1.000)	333244	50.0000		
\$ 57 Toluene-d8	98		6.185	6.188	(0.820)	309653	47.0545	47.0	
* 67 Chlorobenzene-d5	117		7.540	7.541	(1.000)	269156	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.461	8.461	(1.122)	126139	50.0720	50.1	
* 91 1,4-Dichlorobenzene-d4	152		9.268	9.268	(1.000)	138771	50.0000		

Review Codes Legend

:

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\082818.b\c07.d
 Lab Smp Id: 50204113004 Client Smp ID: LA292
 Inj Date : 29-AUG-2018 00:20
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 50204113004
 Misc Info : 117690
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\082818.b\08260_a_c.m
 Meth Date : 29-Aug-2018 13:55 avasquez 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
 Processing Host: 50-VOA-AMV1

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

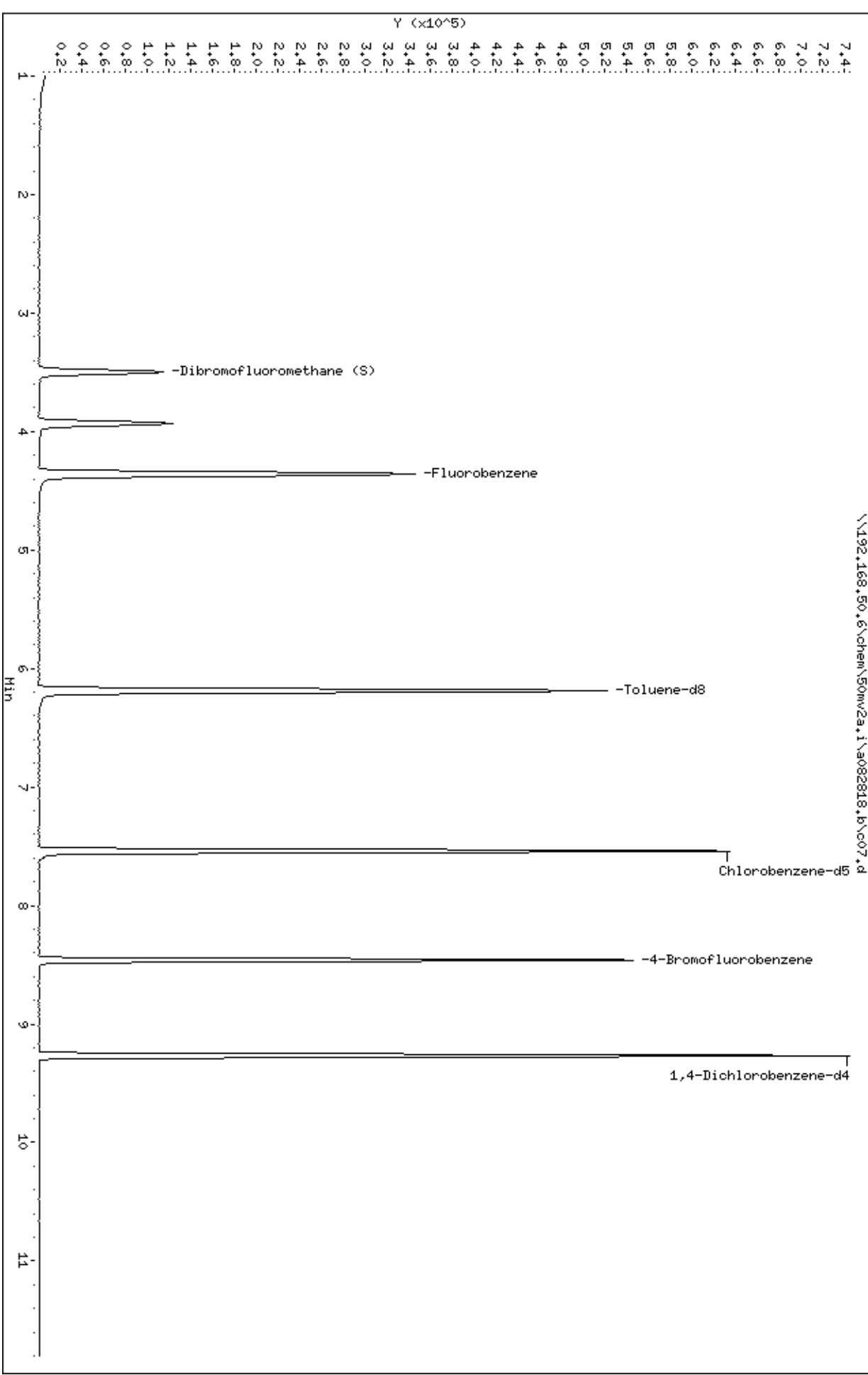
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

COMPOUND	RT	AREA	AMOUNT
\$ 36 Dibromofluoromethane (S)	3.498	249880	49.811
* 45 Fluorobenzene	4.361	714008	50.000

RT	CONCENTRATIONS				QUANT			REVIEW CODE
	AREA	ON-COL(ppb)	FINAL(ppb)	QUAL	LIBRARY	LIB ENTRY	CPND #	
Unknown								
0.844	497473	99.1658036	99.2	0		0	36	
Unknown								
3.932	262714	18.3971352	18.4	0		0	45	

Data File: \\192.168.50.6\chem\50mw2a.1\A082818.b\c07.d
Date: 29-AUG-2018 00:20
Client ID: LA292
Sample Info: 50204113004
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\a082818.b/c07.d
Injection Date: 29-AUG-2018 00:20
Instrument: 50mv2a.i
Lab Sample ID: 50204113004
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

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

SAMPLE NO.

LA293

Lab Name: Pace Analytical - Indiana
Date Received: 08/23/2018 15:40
Date Extracted: 08/29/2018 00:44
Date Analyzed: 08/29/2018 00:44
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA289-LA293
Matrix: Water SDG No.: 50204113
Lab Sample ID: 50204113005
Lab File ID: A082818.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

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

SAMPLE NO.

LA293

Lab Name: Pace Analytical - Indiana
 Date Received: 08/23/2018 15:40
 Date Extracted: 08/29/2018 00:44
 Date Analyzed: 08/29/2018 00:44
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA289-LA293
 Matrix: Water SDG No.: 50204113
 Lab Sample ID: 50204113005
 Lab File ID: A082818.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.

LA293

Lab Name: Pace Analytical - Indiana Contract: LA289-LA293
 Date Received: 08/23/2018 15:40 Matrix: Water SDG No.: 50204113
 Date Extracted: 08/29/2018 00:44 Lab Sample ID: 50204113005
 Date Analyzed: 08/29/2018 00:44 Lab File ID: A082818.B\C08.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	3.933	18.3	J
	Unknown	0.844	49.2	J

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\082818.b\c08.d
 Lab Smp Id: 50204113005 Client Smp ID: LA293
 Inj Date : 29-AUG-2018 00:44
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 50204113005
 Misc Info : 117690
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\082818.b\08260_a_c.m
 Meth Date : 29-Aug-2018 13:55 avasquez 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
 Processing Host: 50-VOA-AMV1

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	3.501	(0.803)	72566	48.1279	48.1	
* 45 Fluorobenzene	96		4.358	4.360	(1.000)	337607	50.0000		
\$ 57 Toluene-d8	98		6.188	6.188	(0.821)	322171	48.0803	48.1	
* 67 Chlorobenzene-d5	117		7.541	7.541	(1.000)	274062	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.462	8.461	(1.122)	128261	50.0029	50.0	
* 91 1,4-Dichlorobenzene-d4	152		9.268	9.268	(1.000)	139013	50.0000		

Review Codes Legend

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Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a082818.b\c08.d
 Lab Smp Id: 50204113005 Client Smp ID: LA293
 Inj Date : 29-AUG-2018 00:44
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 50204113005
 Misc Info : 117690
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a082818.b\ -a8260_a_c.m
 Meth Date : 29-Aug-2018 13:55 avasquez 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
 Processing Host: 50-VOA-AMV1

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

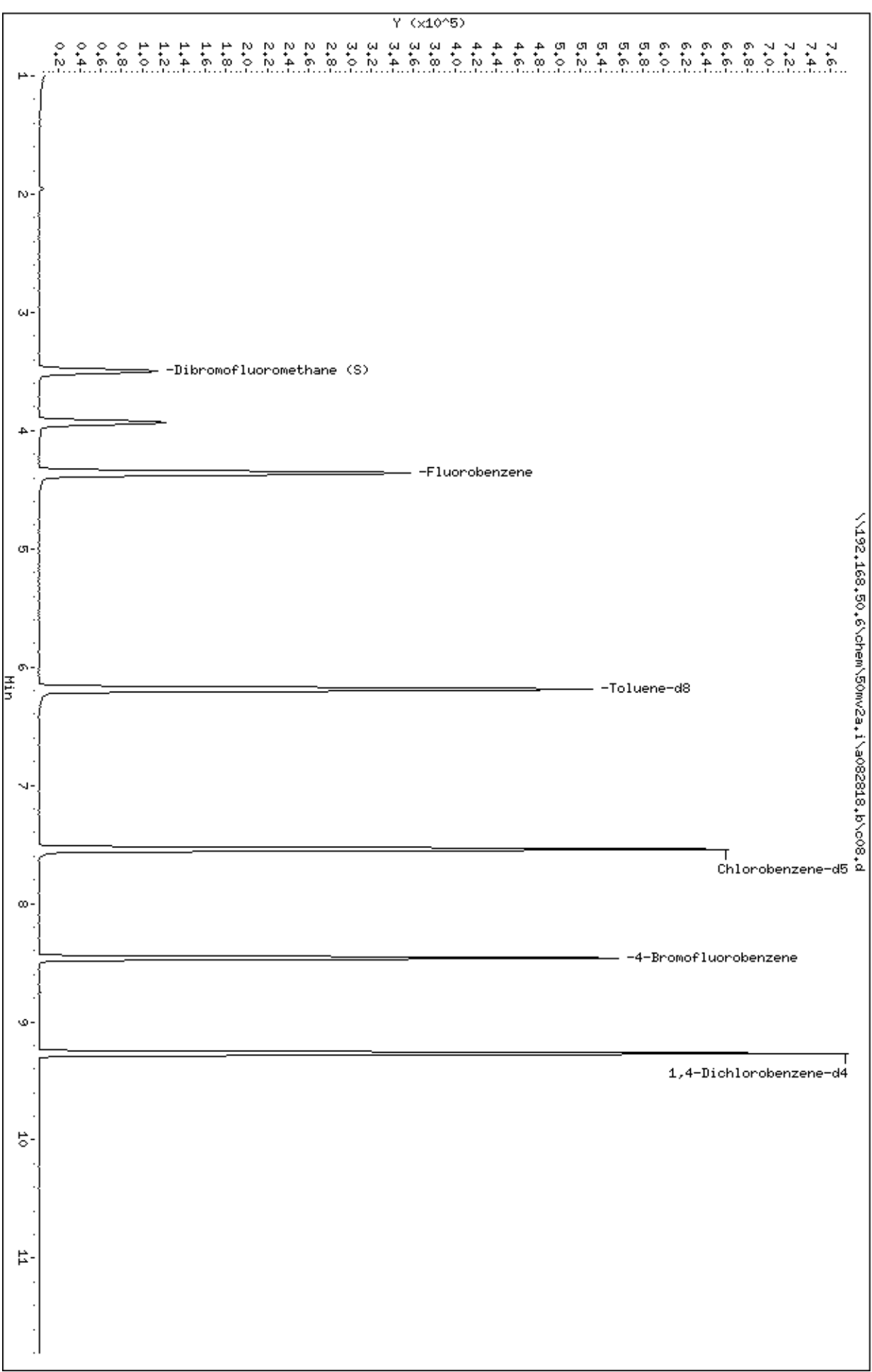
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

COMPOUND	RT	AREA	AMOUNT
\$ 36 Dibromofluoromethane (S)	3.498	245137	48.128
* 45 Fluorobenzene	4.358	721812	50.000

RT	CONCENTRATIONS				QUANT			REVIEW CODE
	AREA	ON-COL(ppb)	FINAL(ppb)	QUAL	LIBRARY	LIB ENTRY	CPND #	
Unknown								
0.844	250638	49.2078753	49.2	0		0	36	
Unknown								
3.933	264467	18.3196769	18.3	0		0	45	

Data File: \\192.168.50.6\chem\50mw2a.i\A082818.b\c08.d
Date : 29-AUG-2018 00:44
Client ID: LA293
Sample Info: 50204113005
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\a082818.b/c08.d
Injection Date: 29-AUG-2018 00:44
Instrument: 50mv2a.i
Lab Sample ID: 50204113005
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.: 50204113
 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.: 50204113
 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.: 50204113
 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.: 50204113
 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.: 50204113
 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.: 50204113
 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.

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	50.00000	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	50.00000		
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	50.00000	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	50.00000		
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	50.00000	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

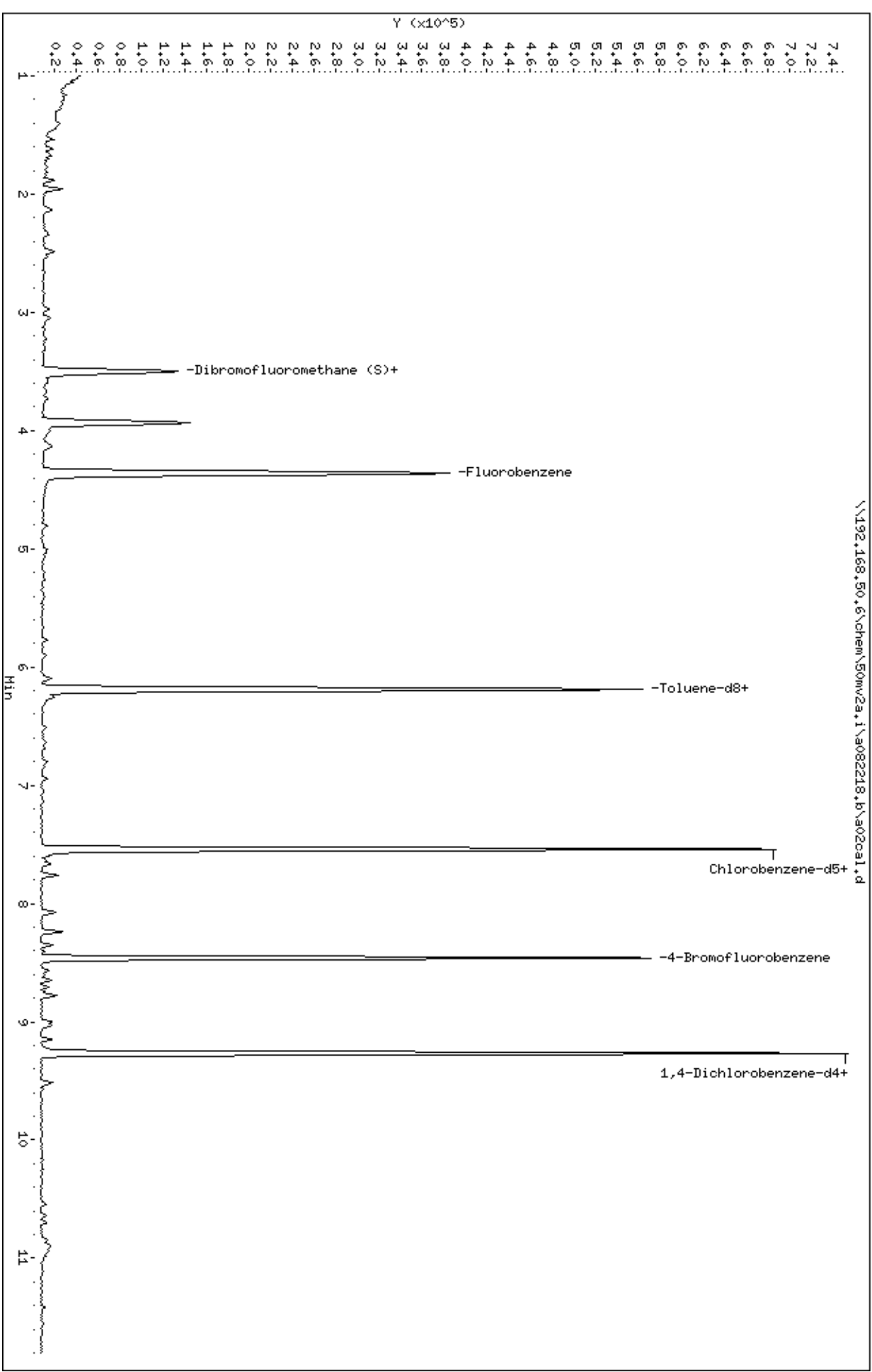
- T - Target compound detected outside RT window.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

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.

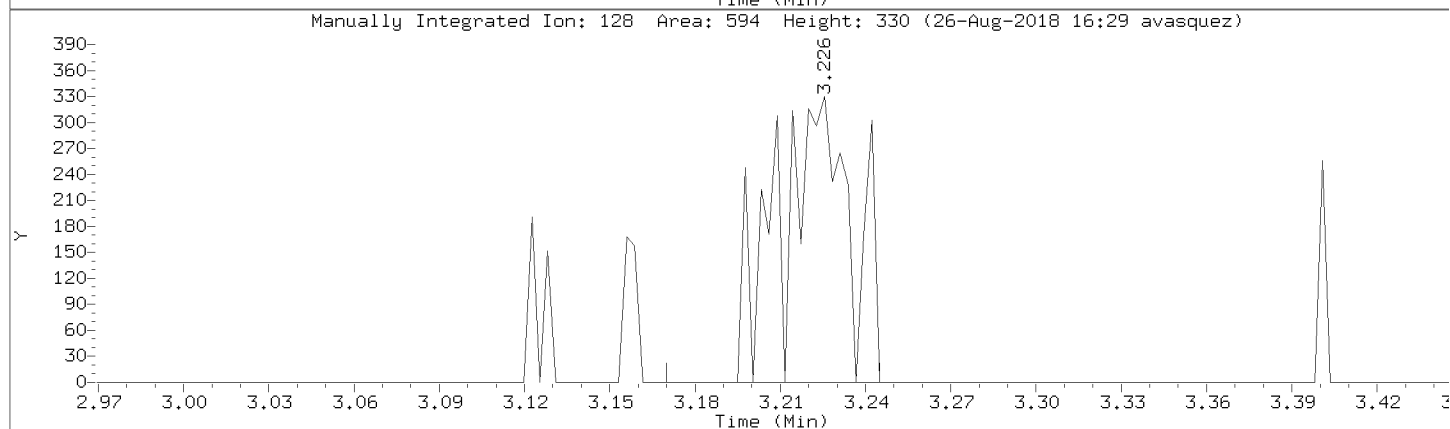
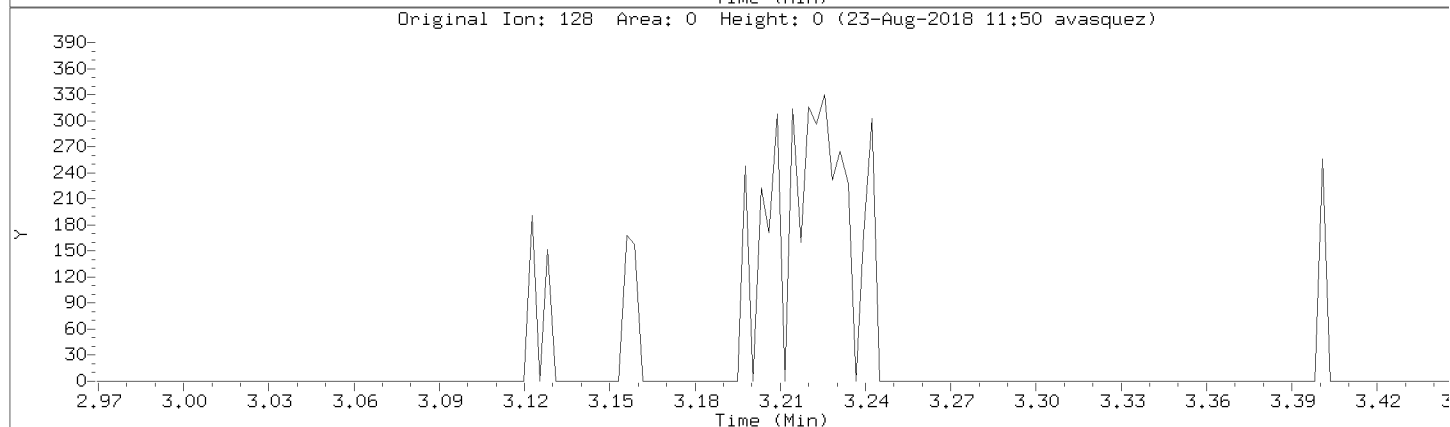
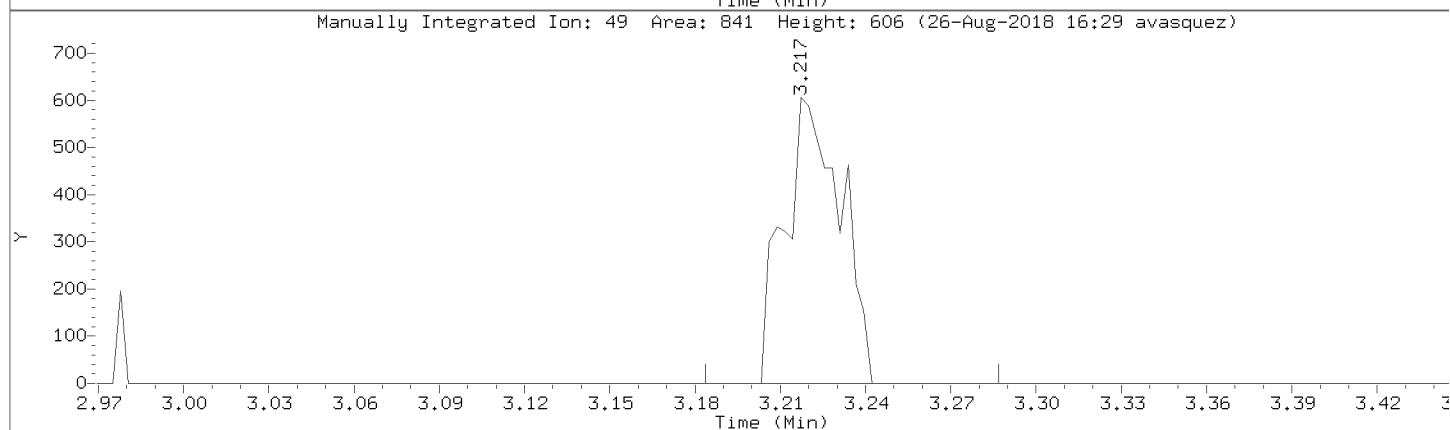
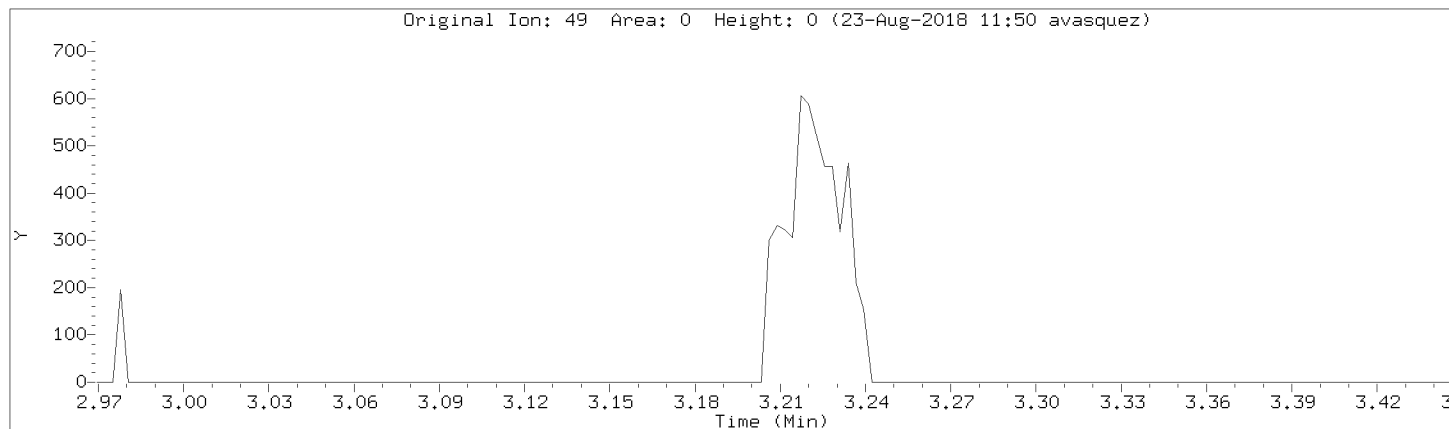
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Date: 22-AUG-2018 14:19
Client ID: 8260-CAL1
Sample Info: 8260-CAL1,184419:0
Purge Volume: 5.0
Column phase: DB-624

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

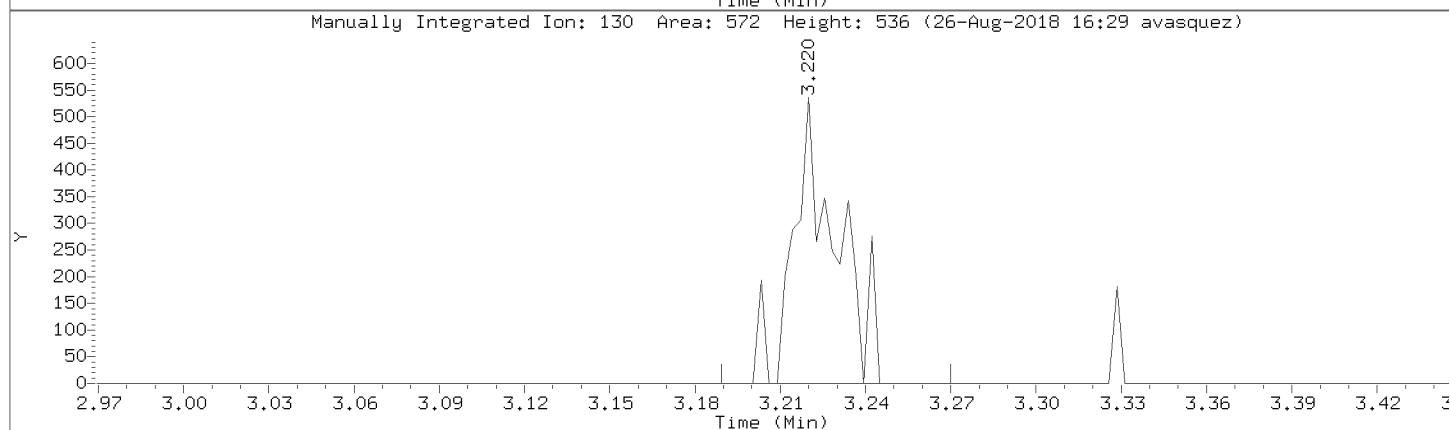
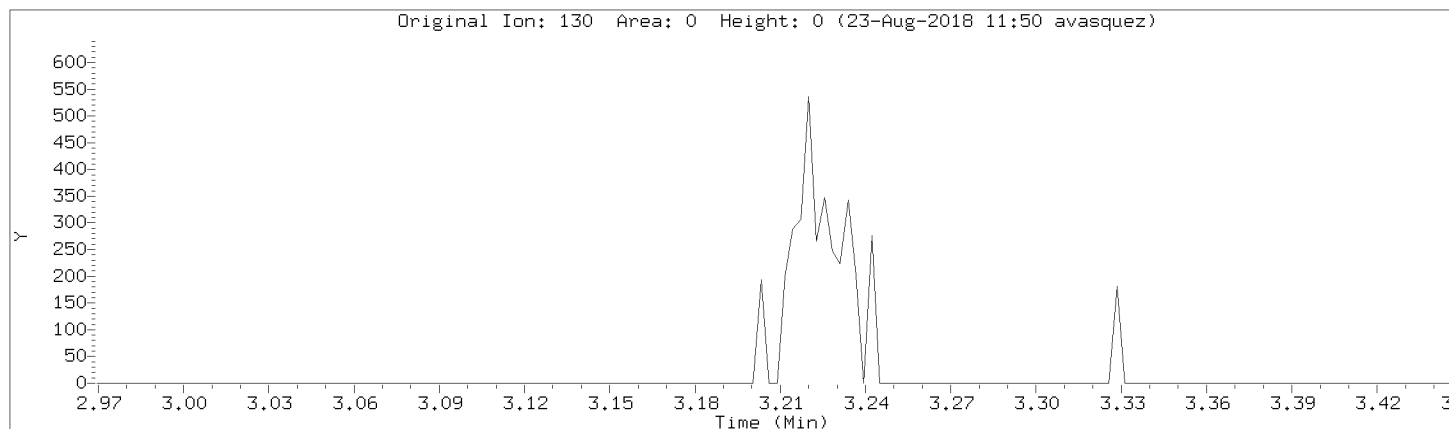


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

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



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Injection Date: 22-AUG-2018 14:19

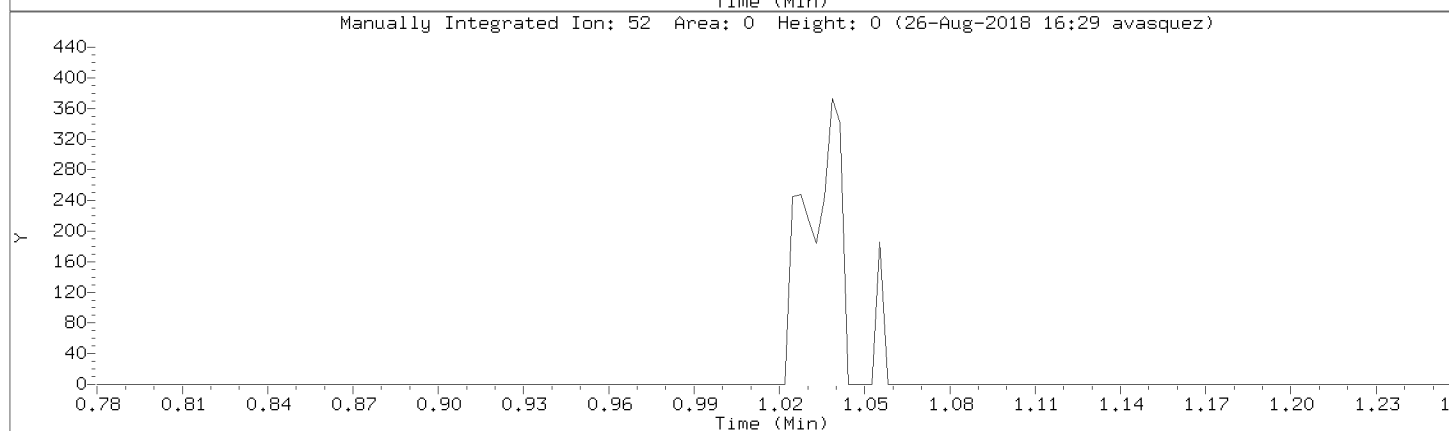
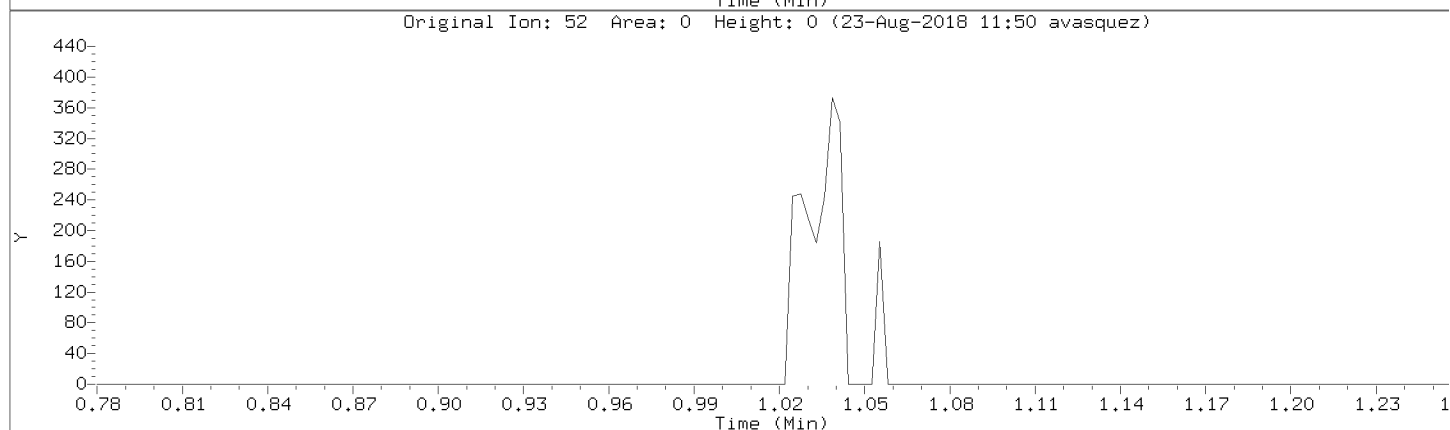
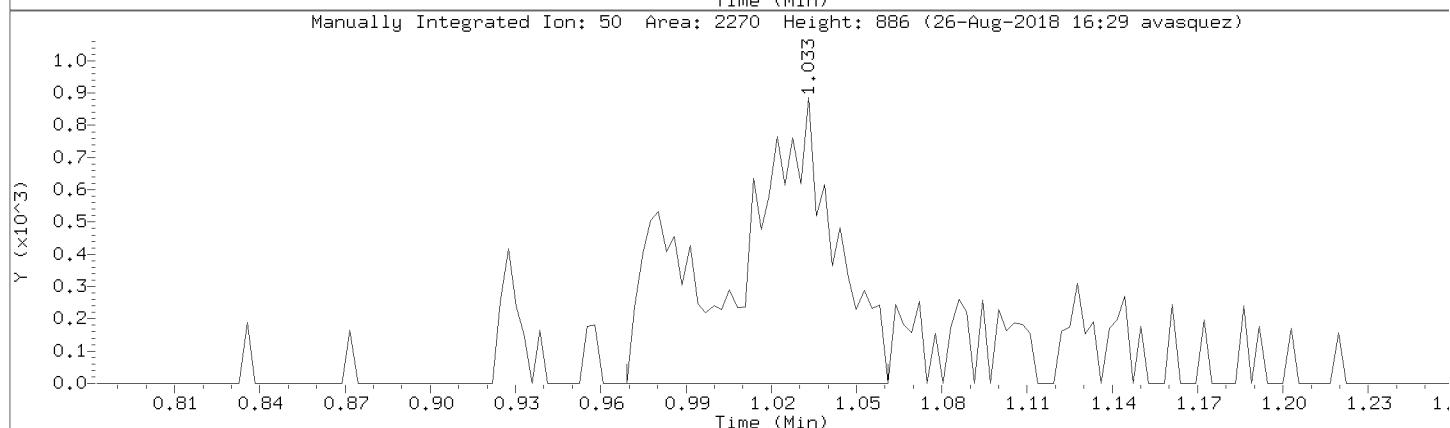
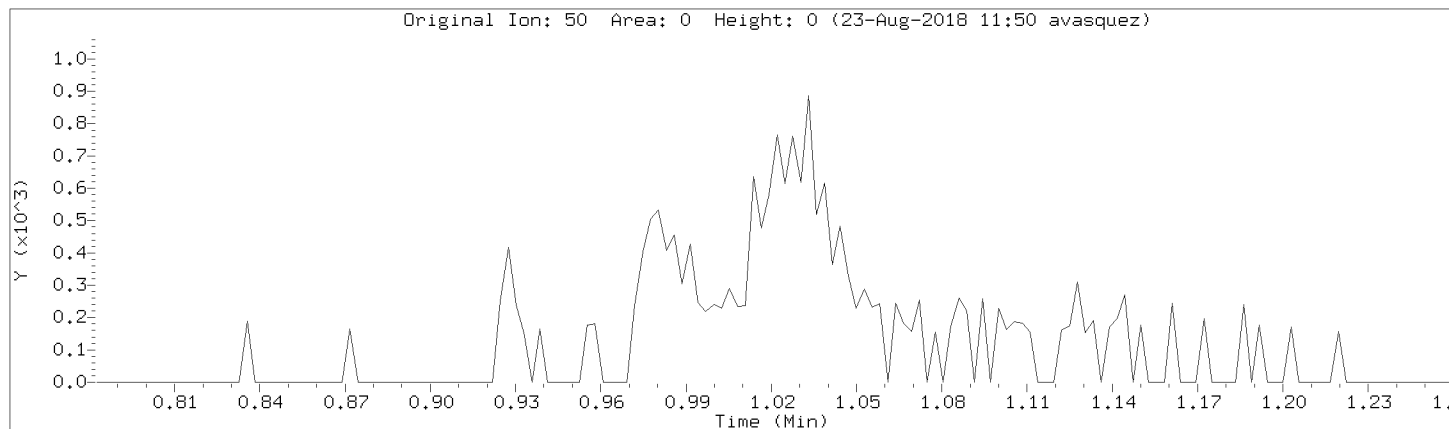
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Chloromethane

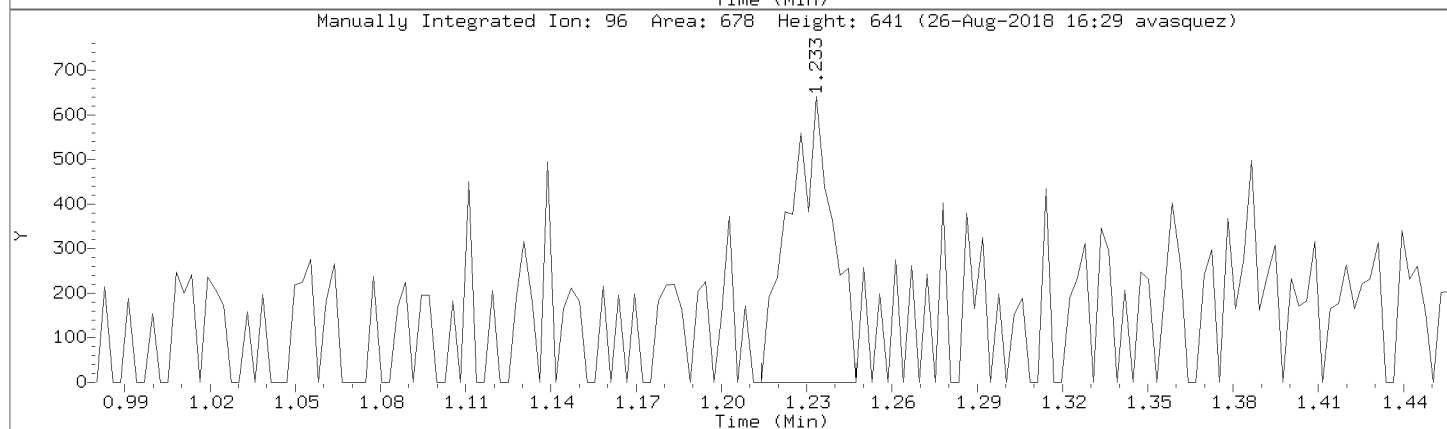
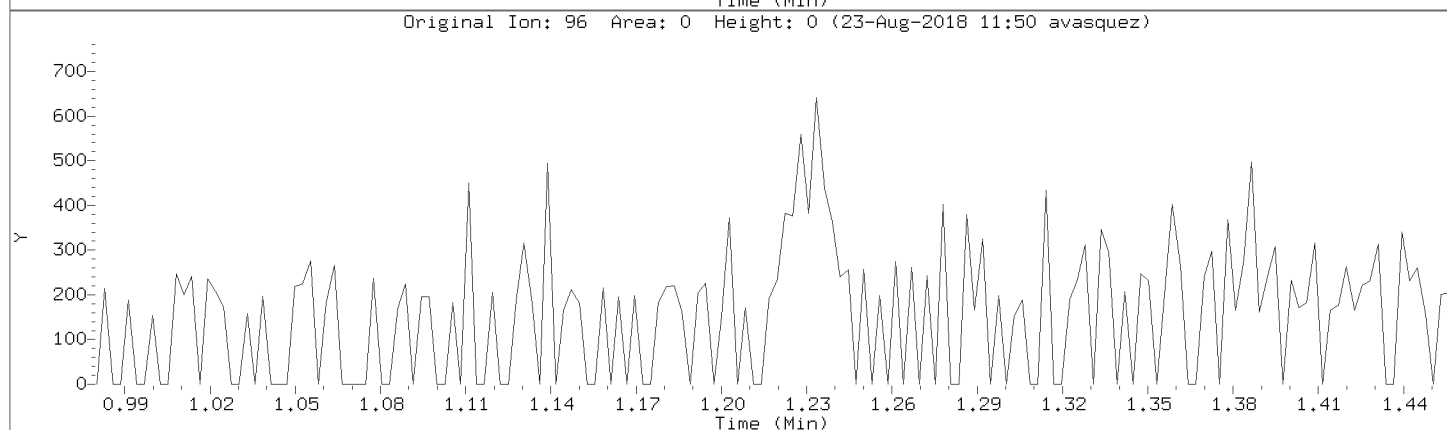
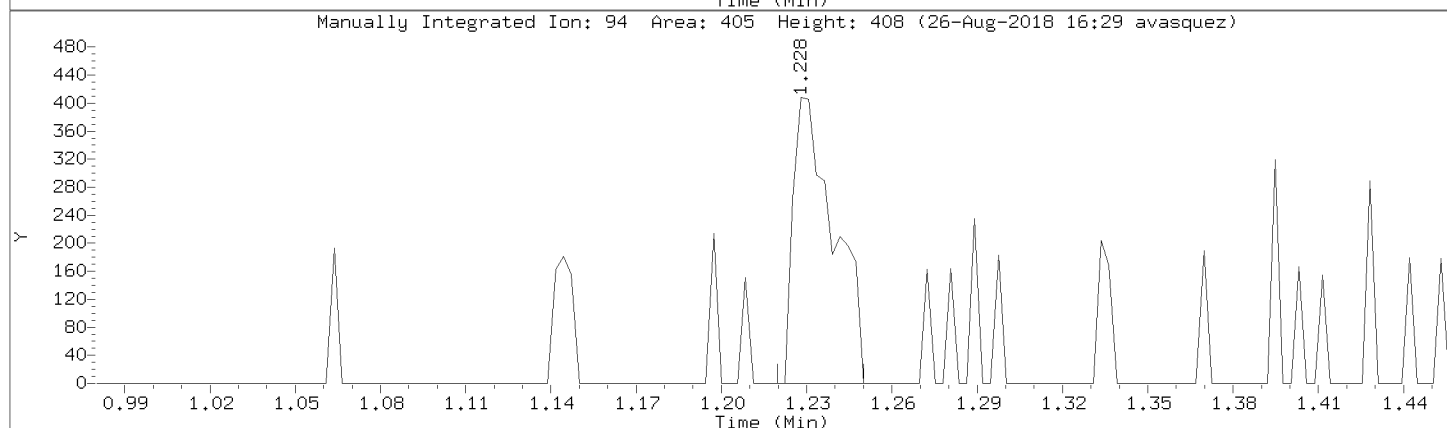
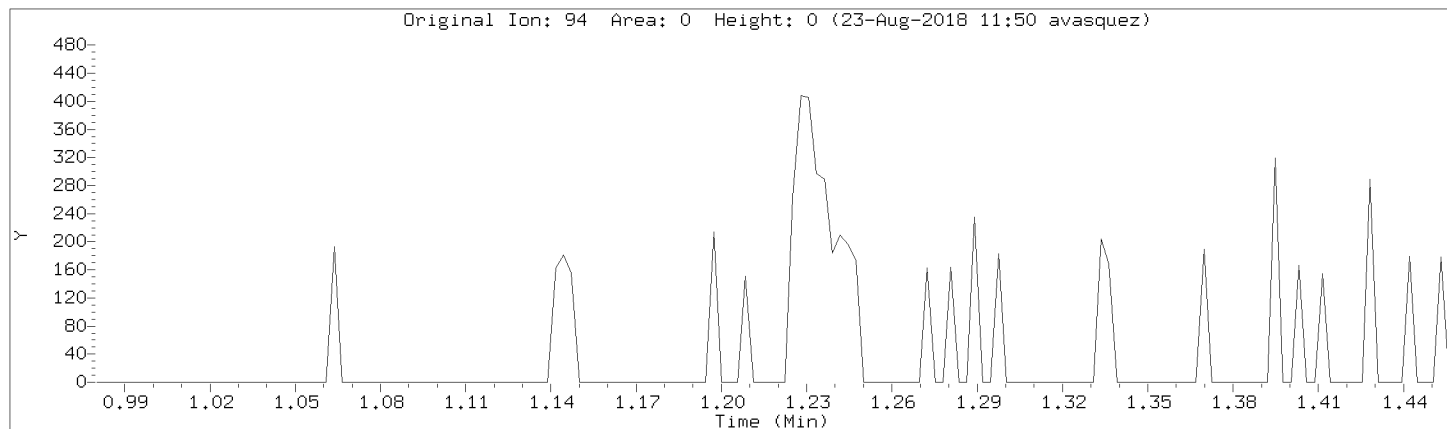
Review Code: NI

CAS Number: 74-87-3



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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



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Injection Date: 22-AUG-2018 14:19

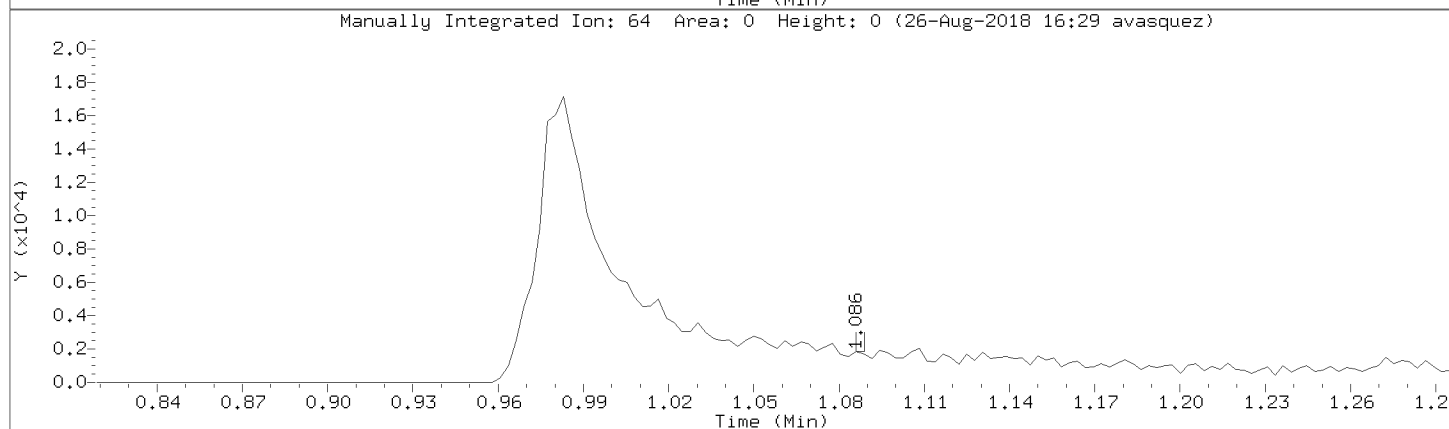
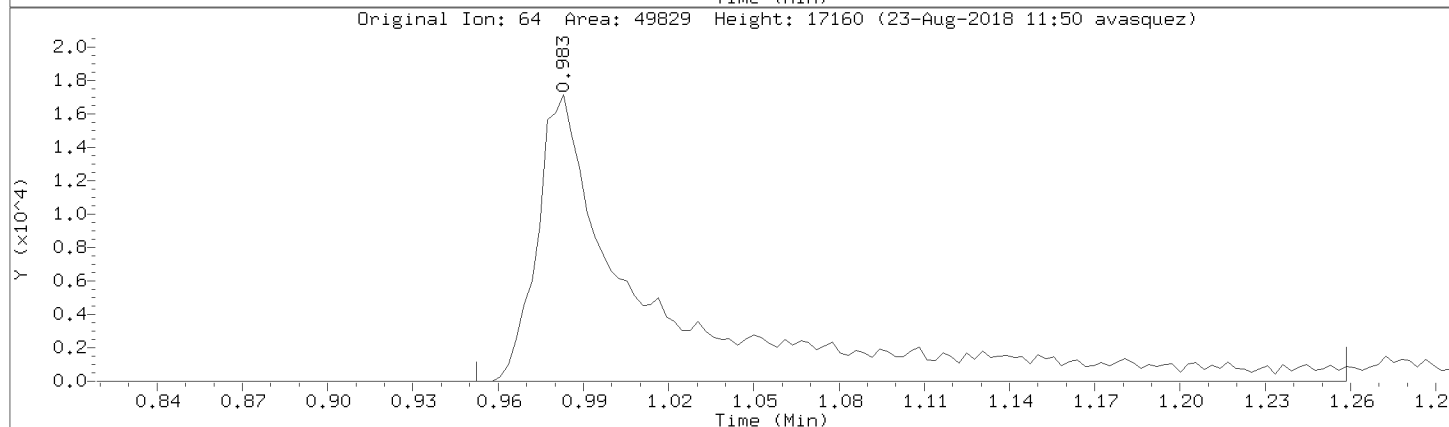
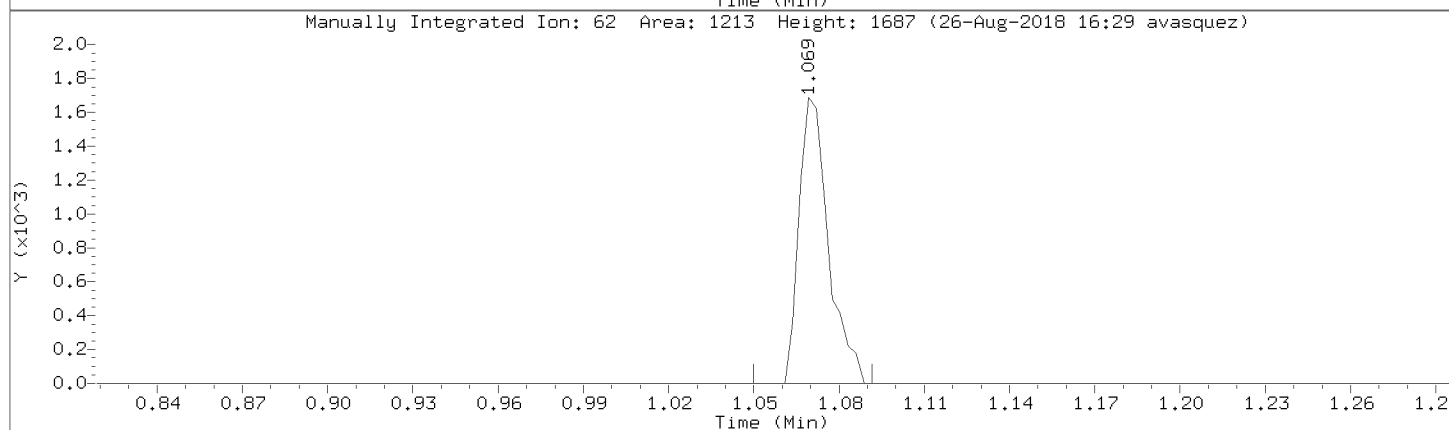
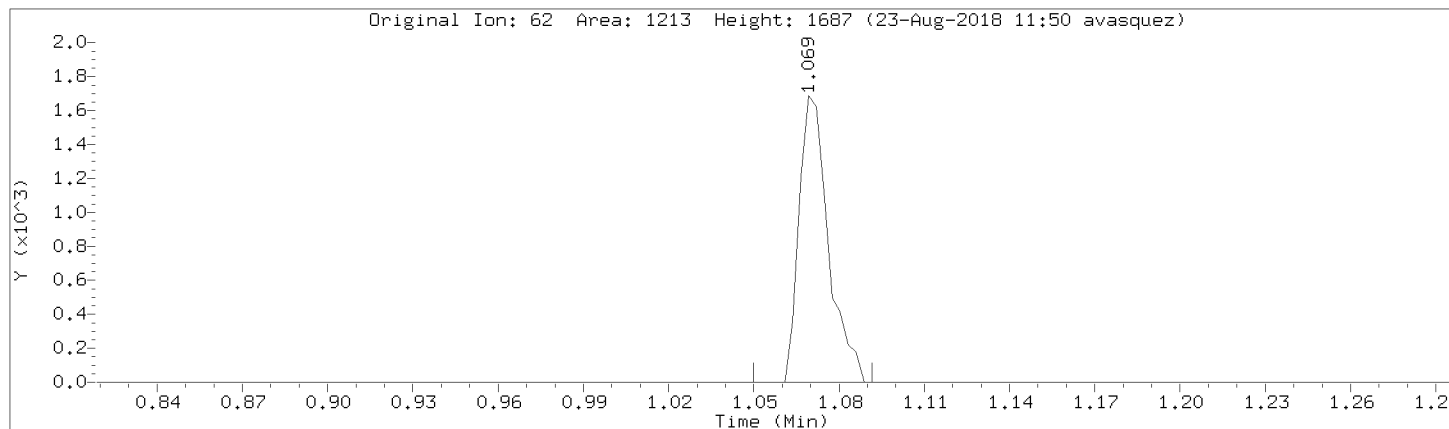
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Vinyl Chloride

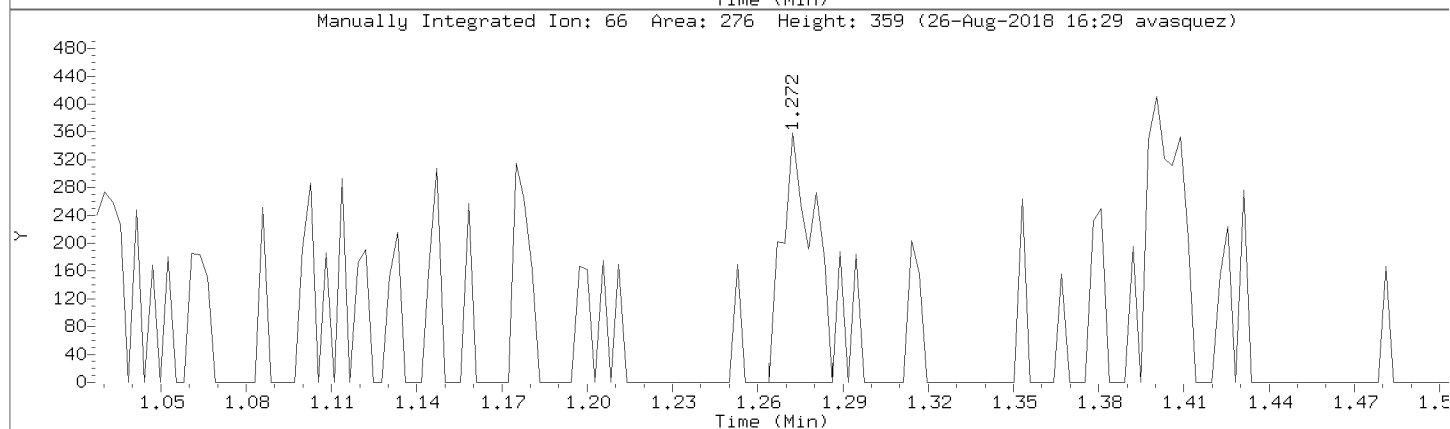
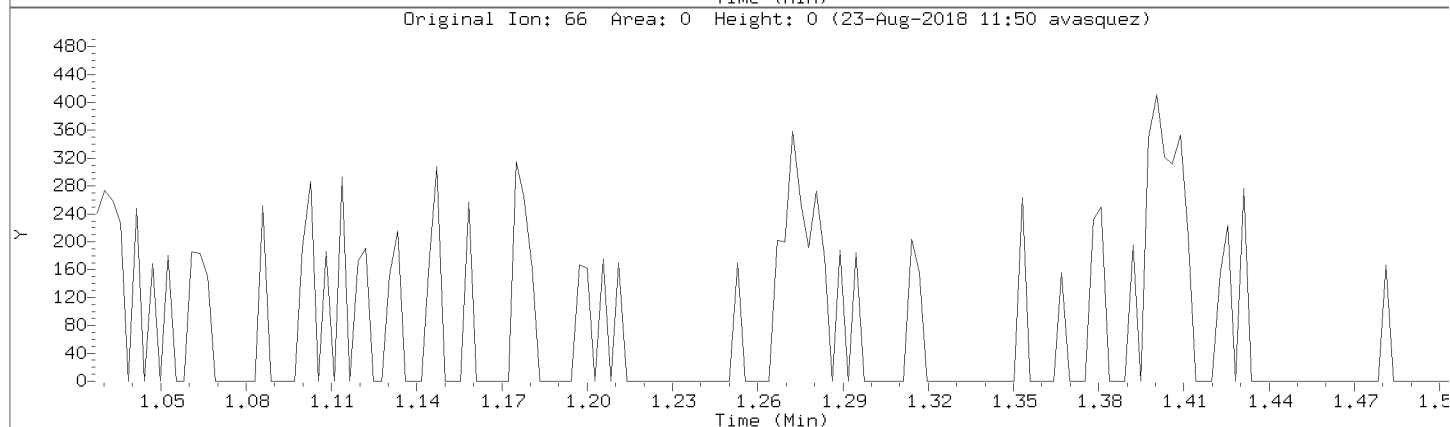
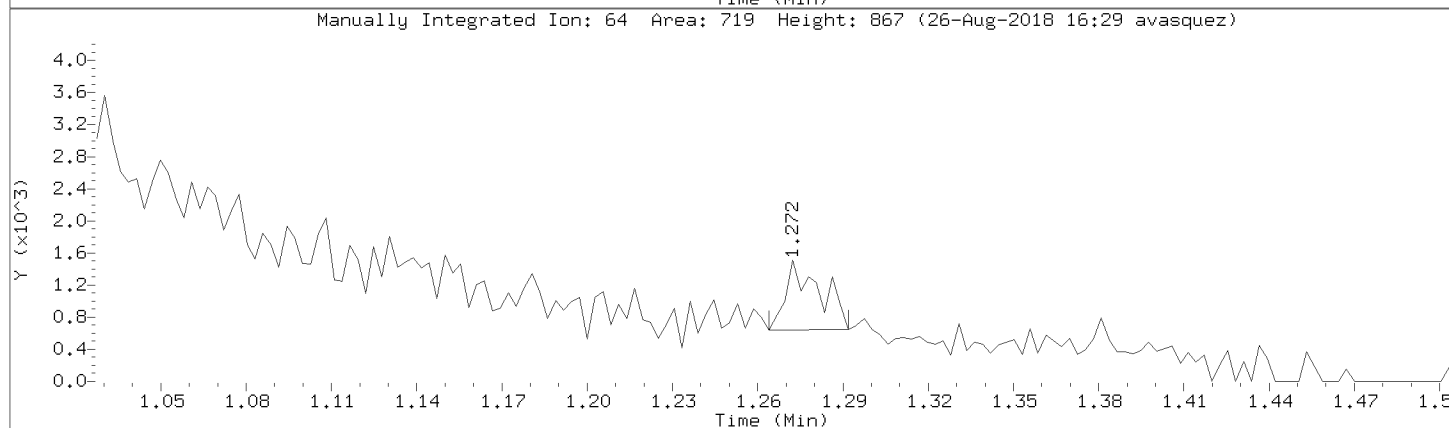
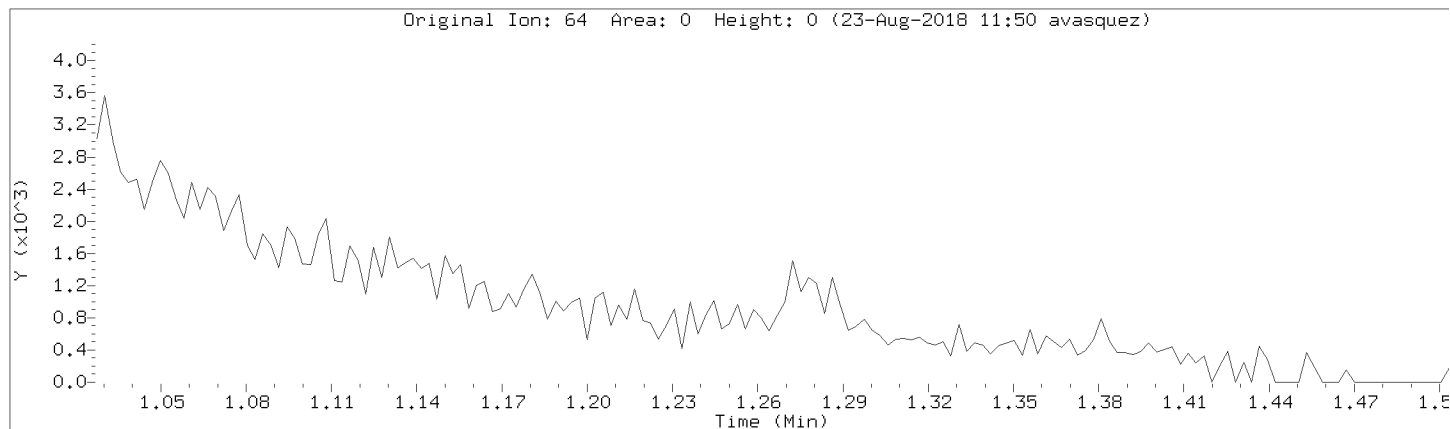
Review Code:

CAS Number: 75-01-4



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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



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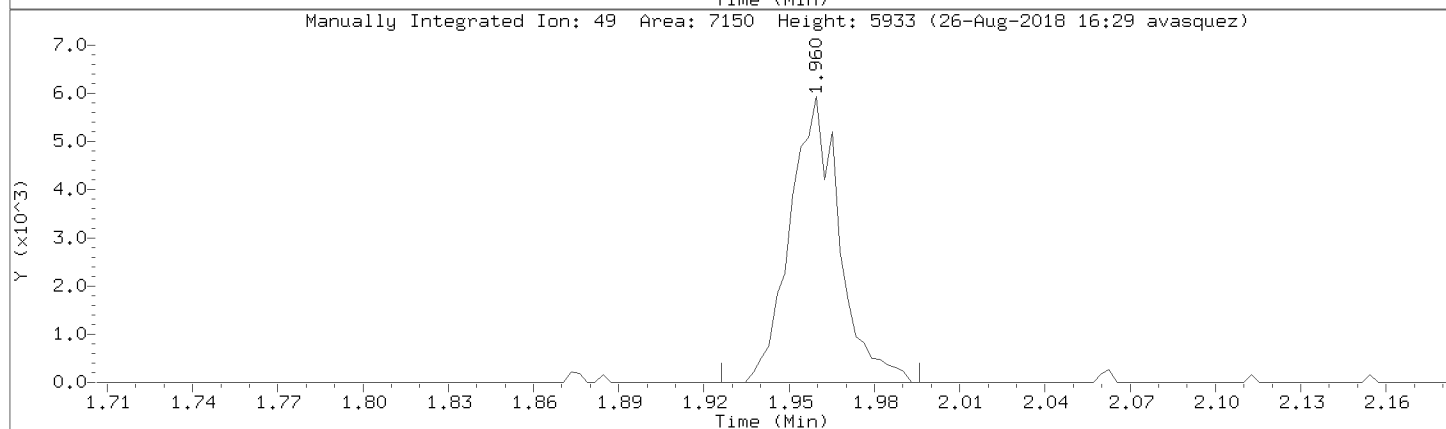
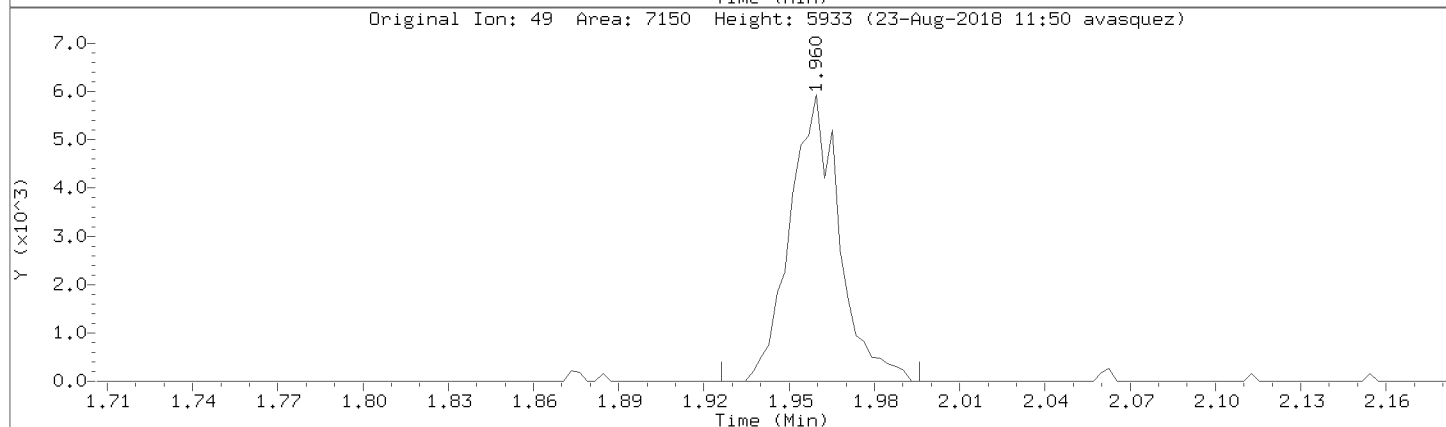
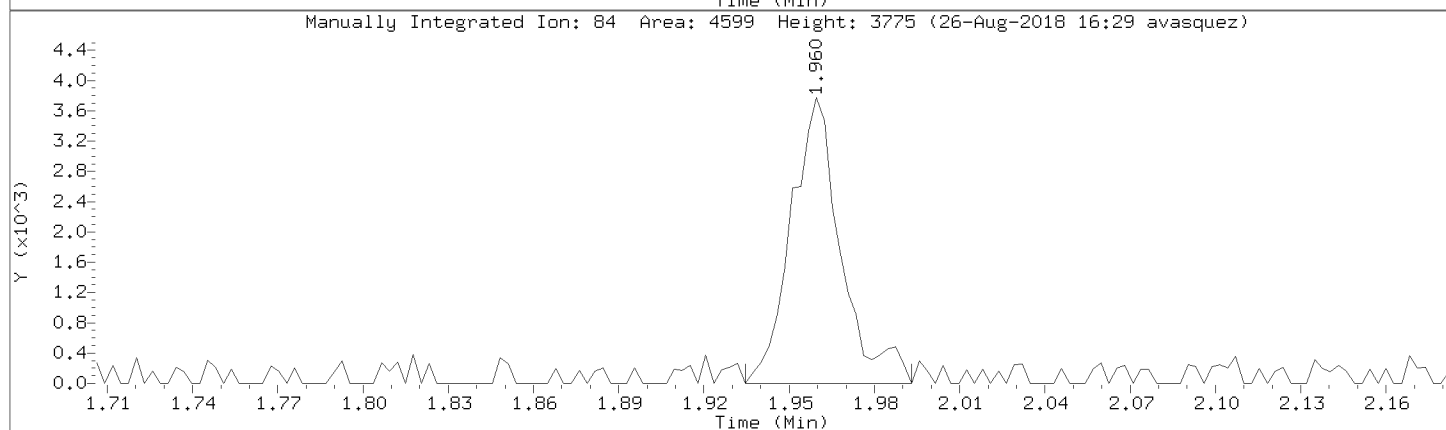
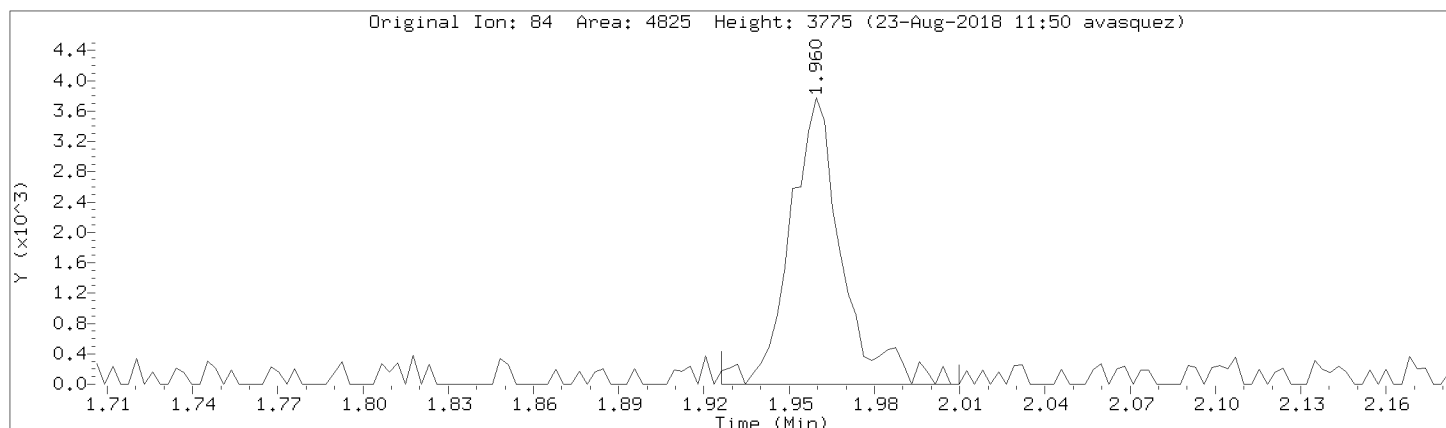
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Lab Sample ID: 8260-CAL1

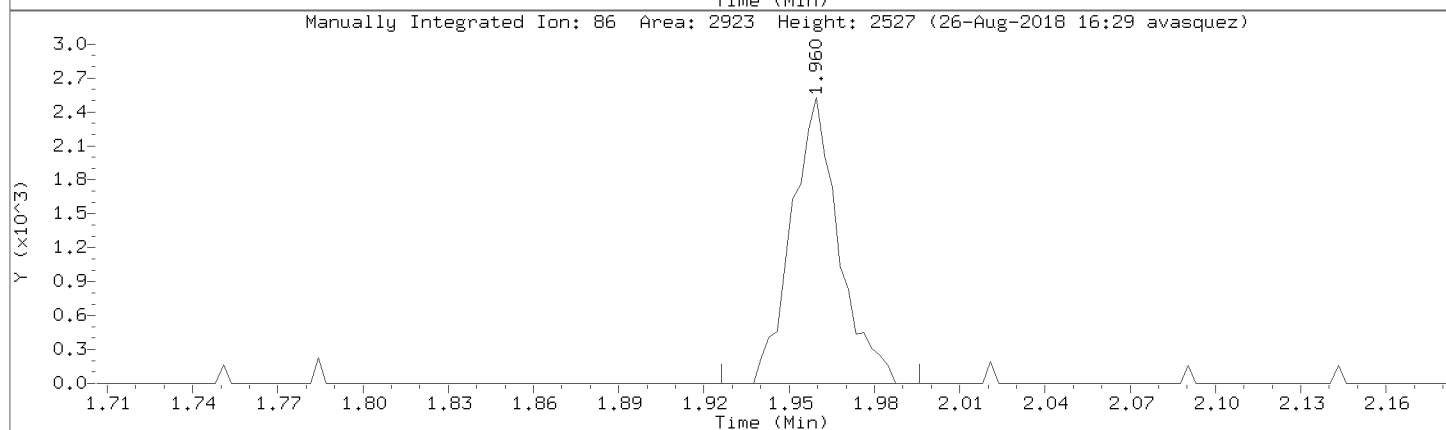
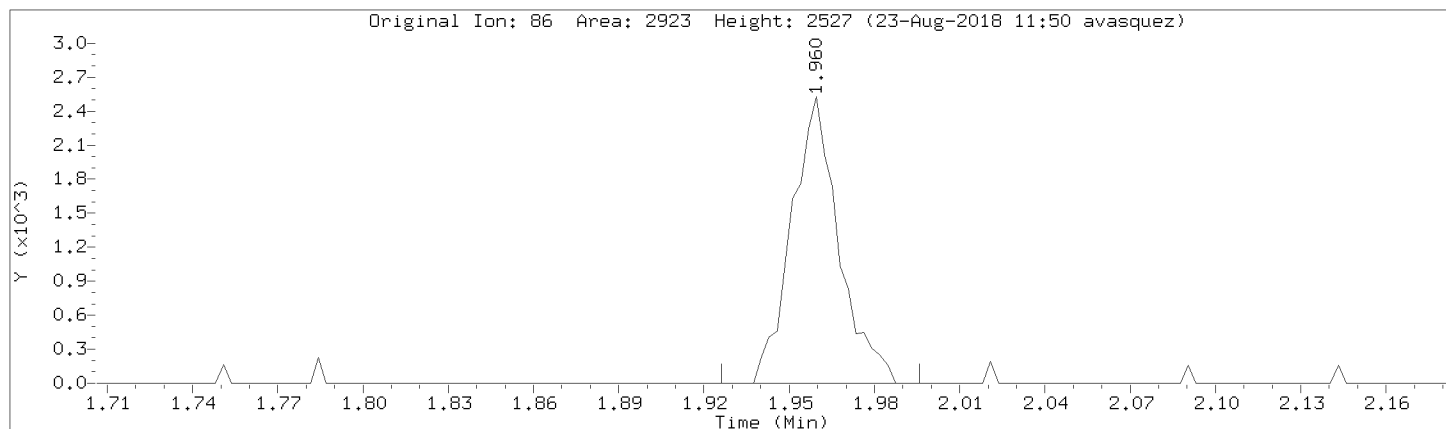
Compound: Methylene Chloride

Review Code: GT

CAS Number: 75-09-2



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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

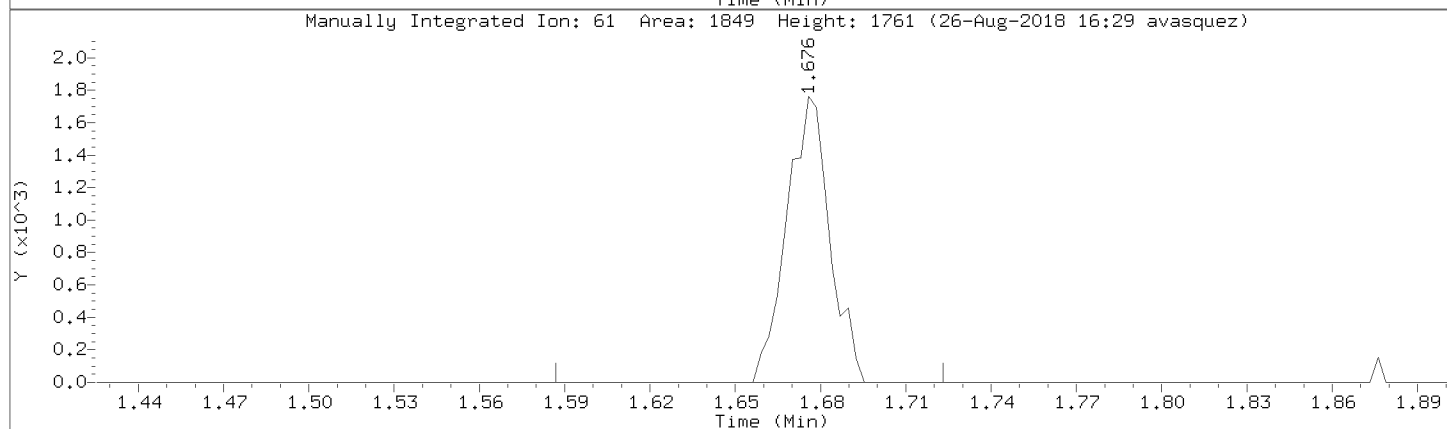
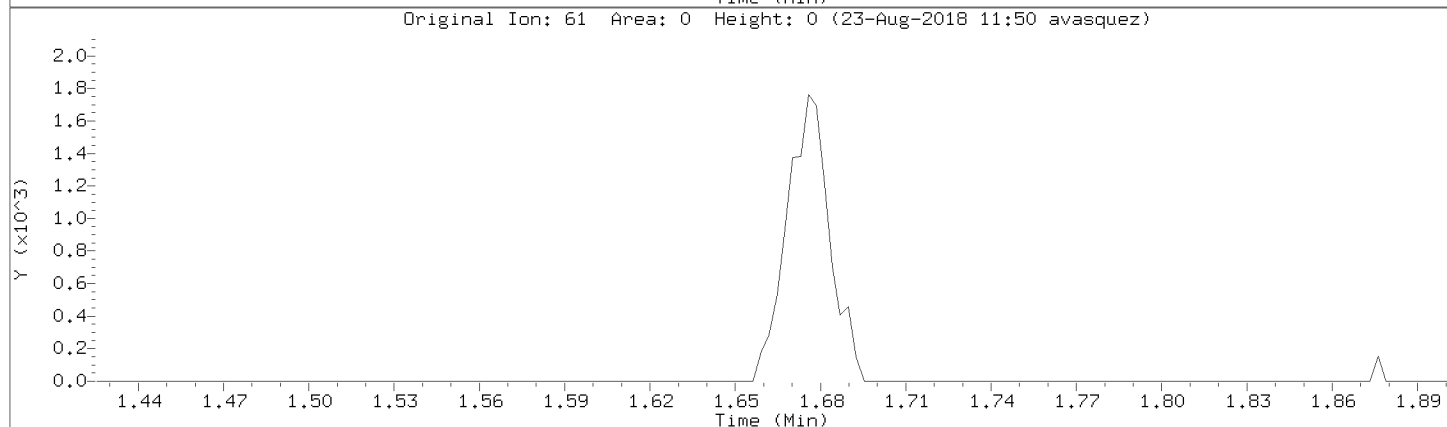
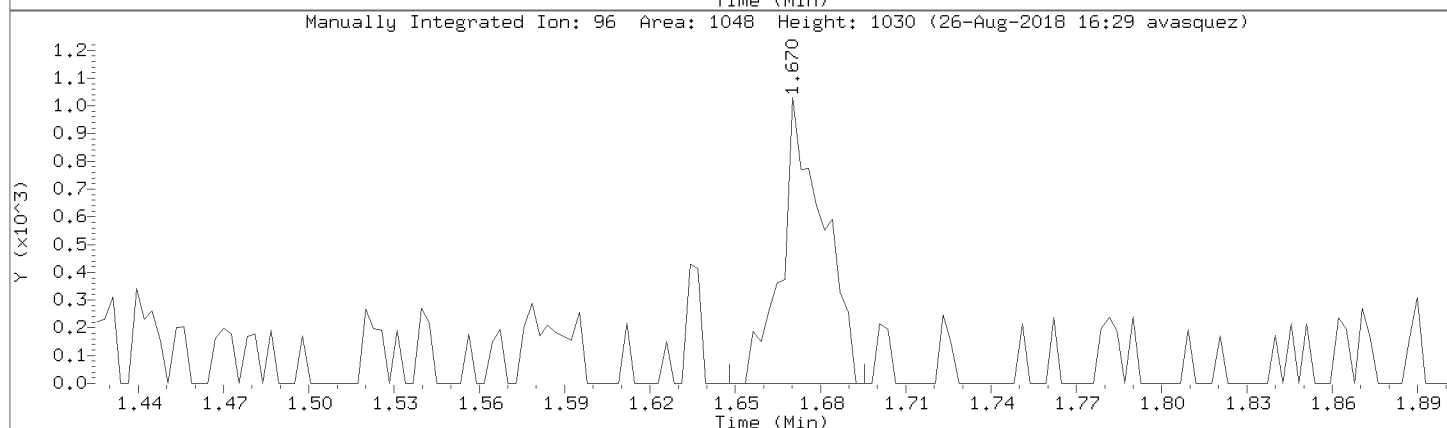
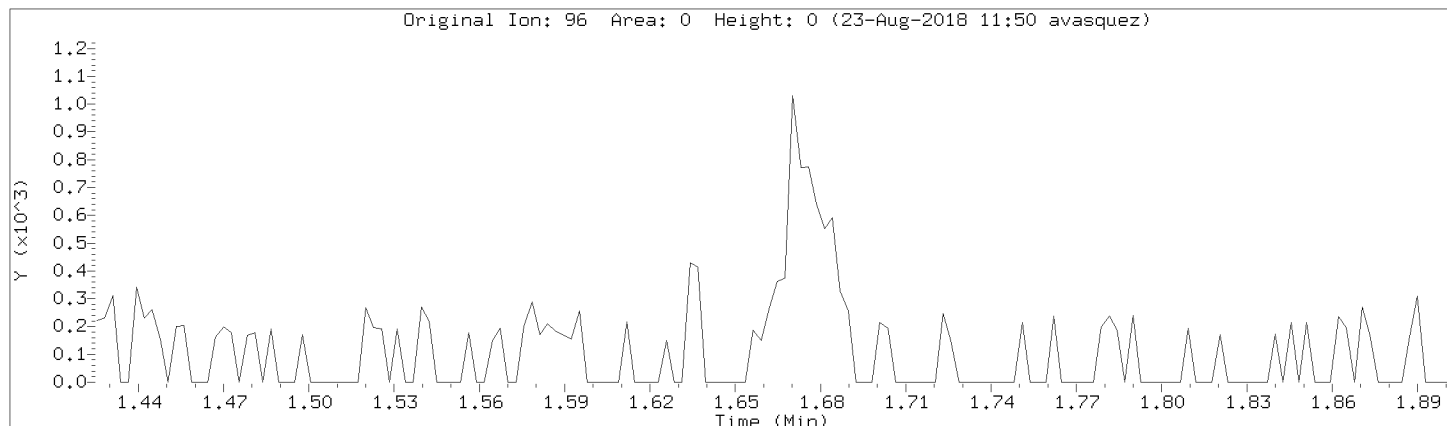
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

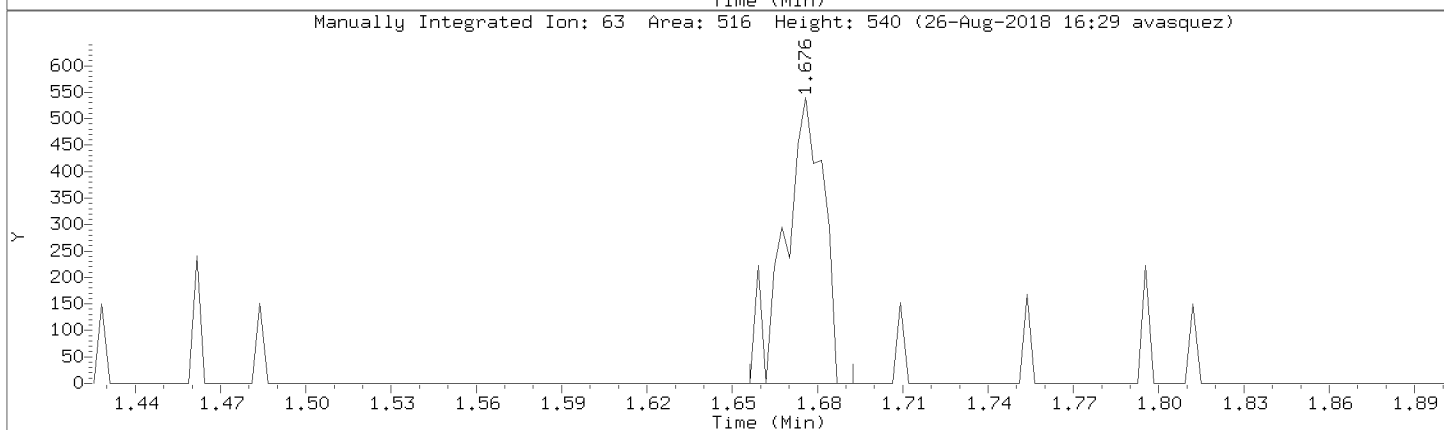
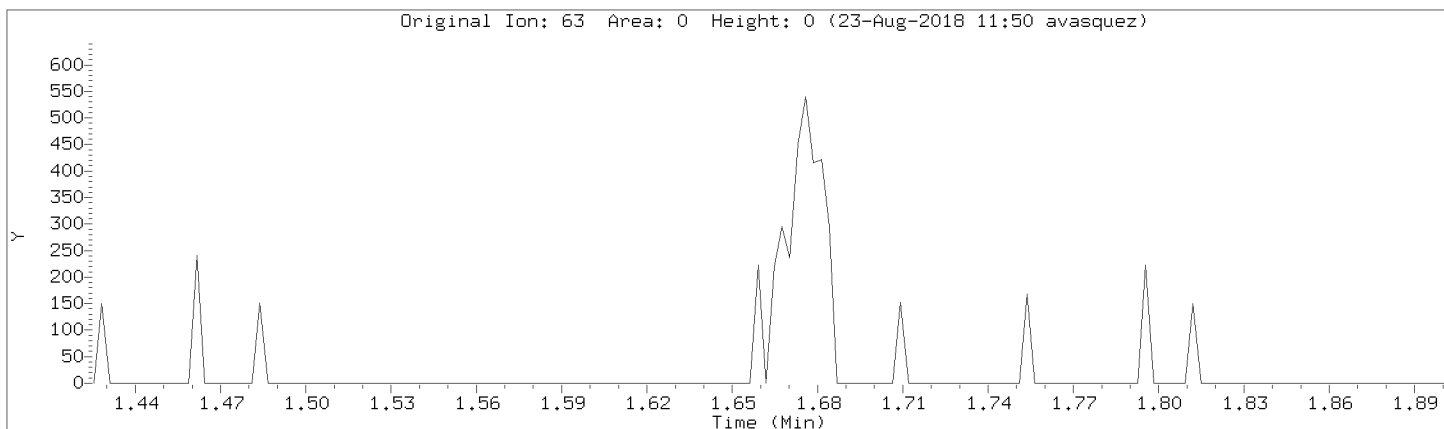
Compound: 1,1-Dichloroethene

Review Code: NI

CAS Number: 75-35-4



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



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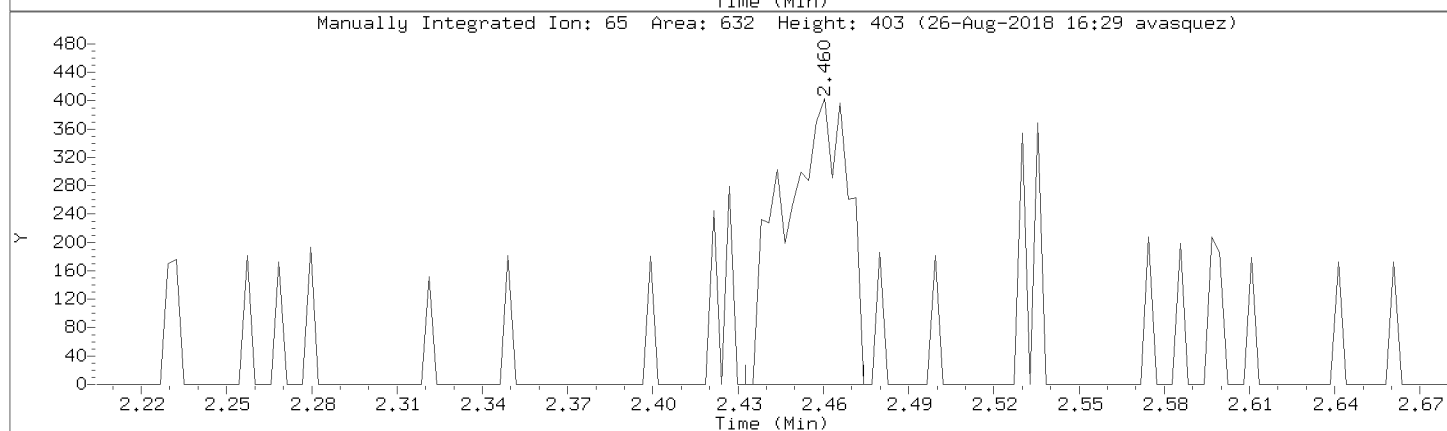
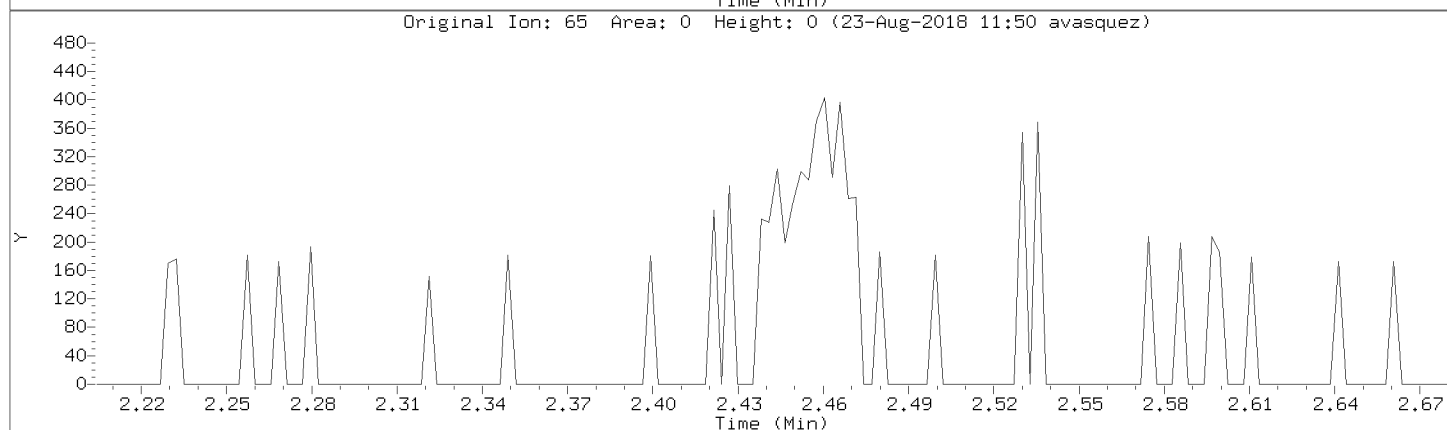
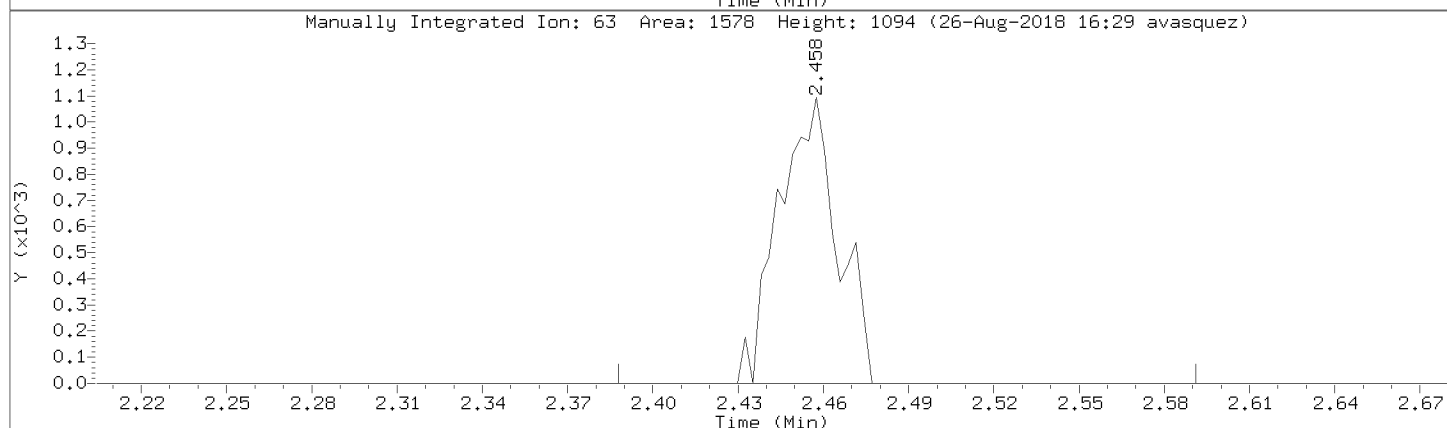
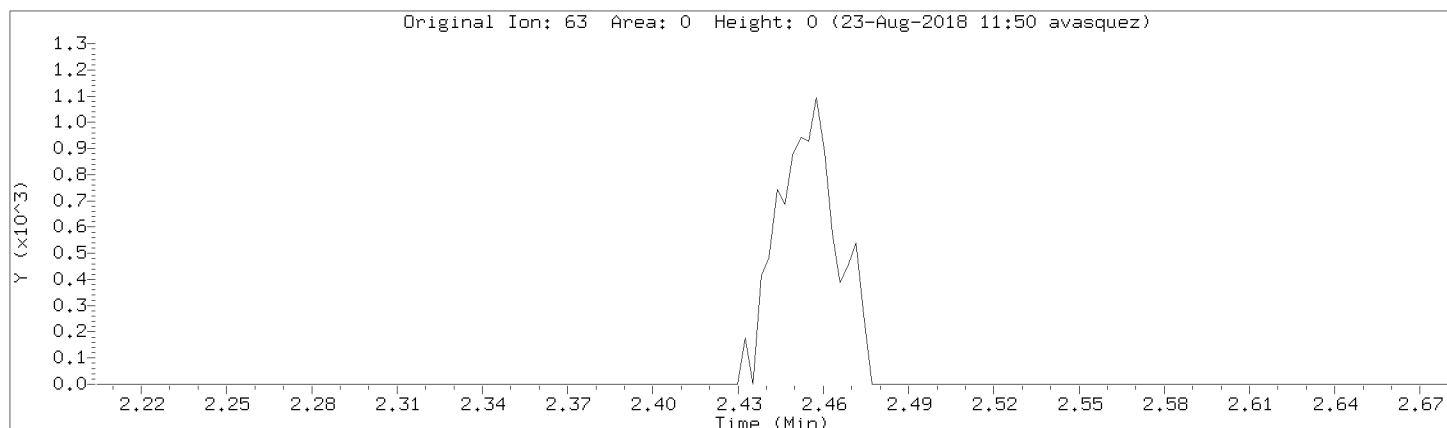
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

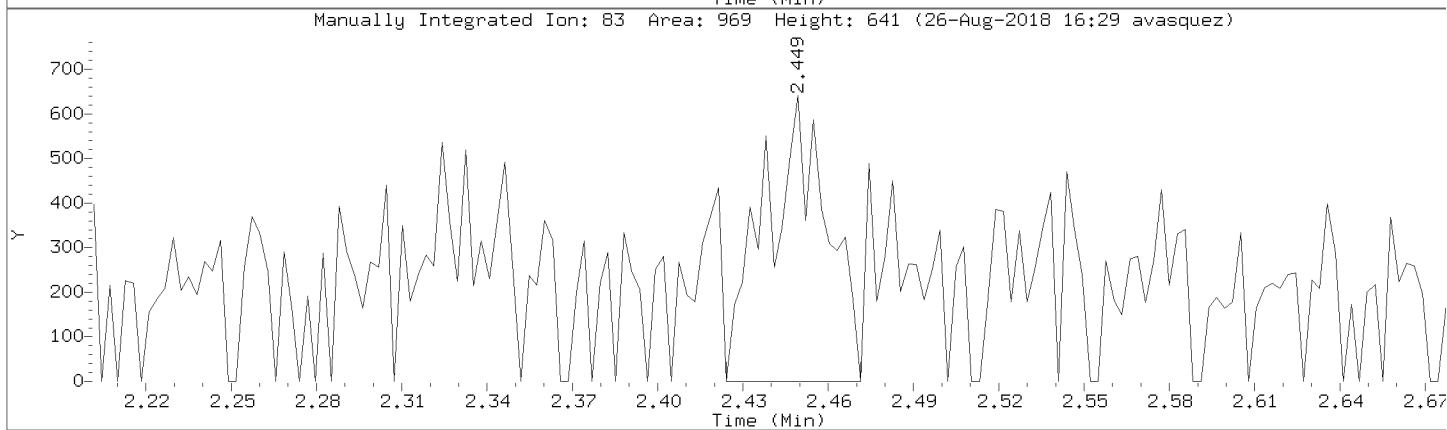
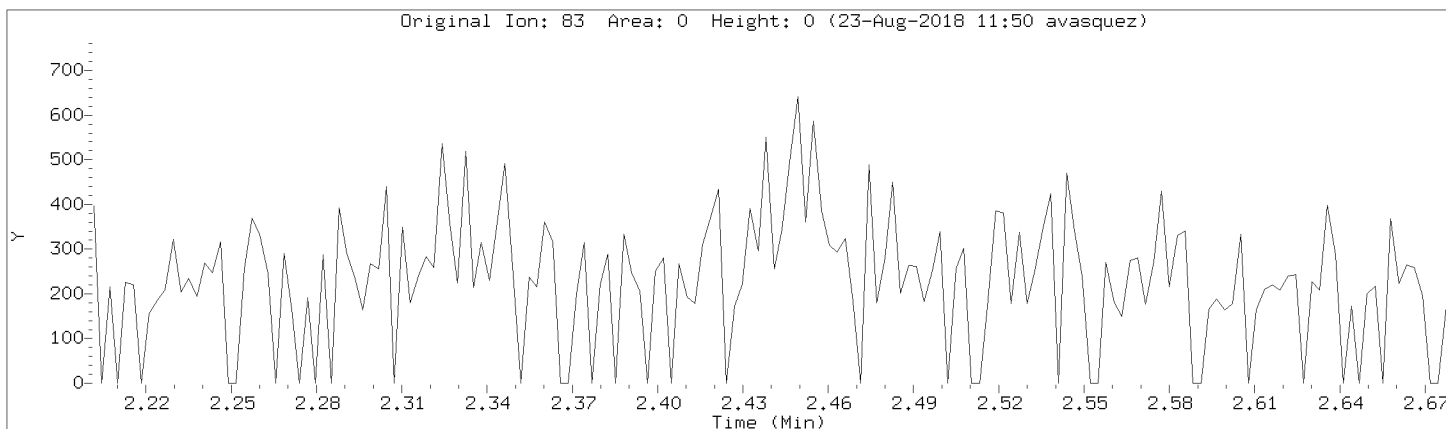
Compound: 1,1-Dichloroethane

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



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Injection Date: 22-AUG-2018 14:19

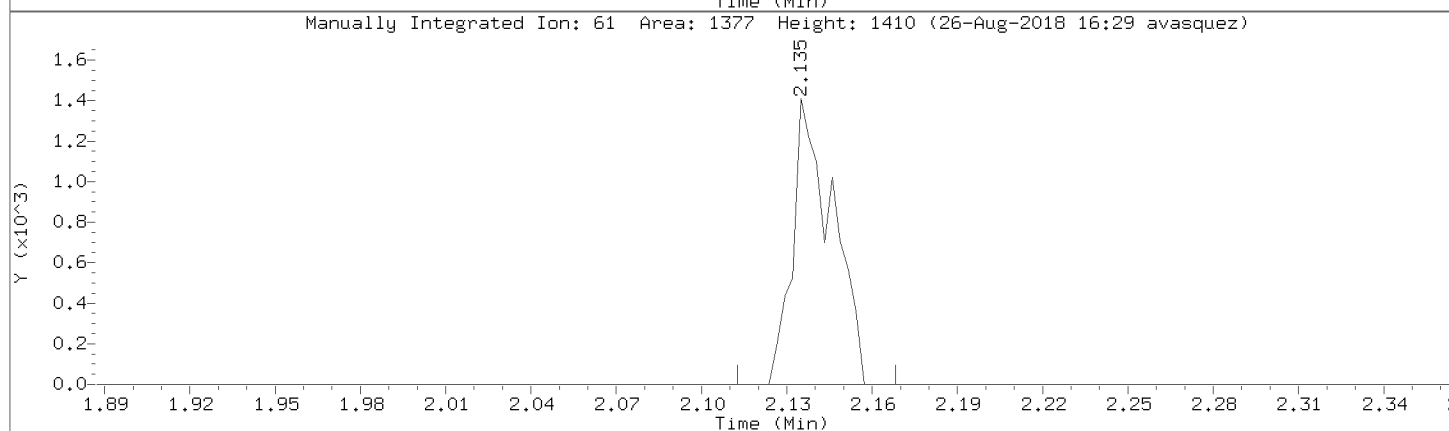
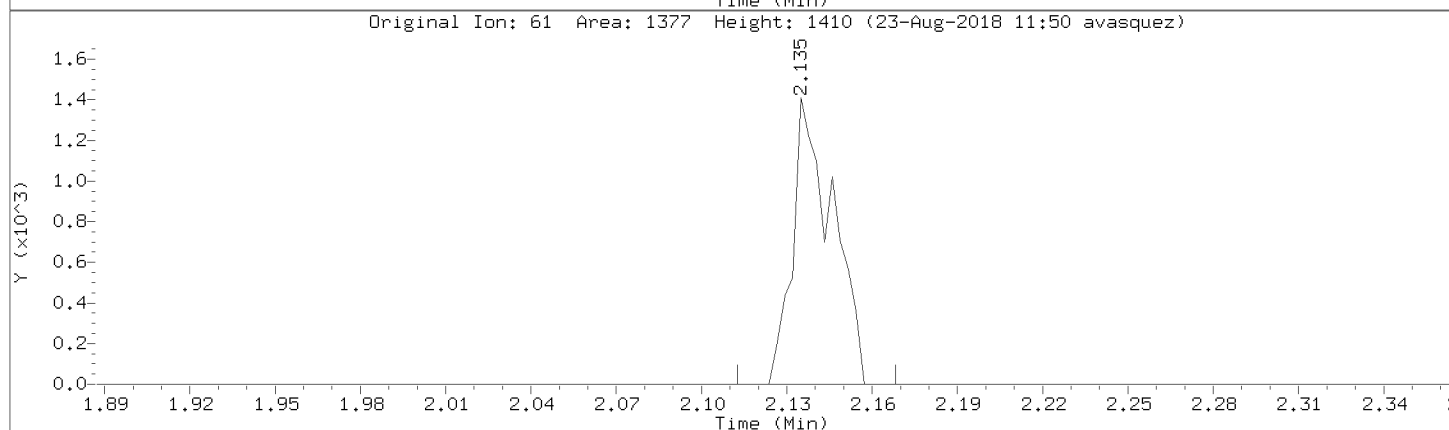
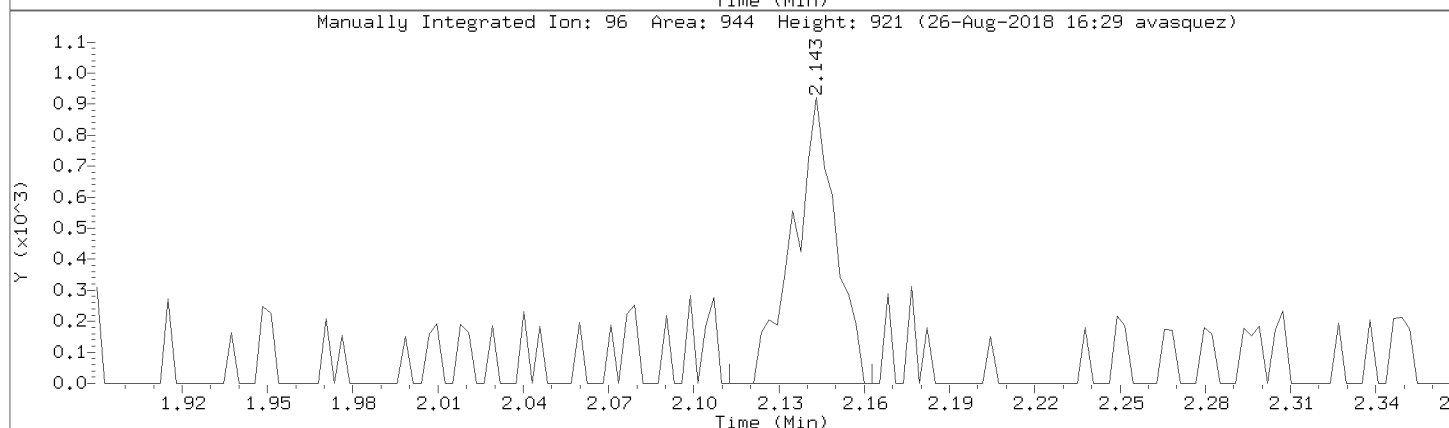
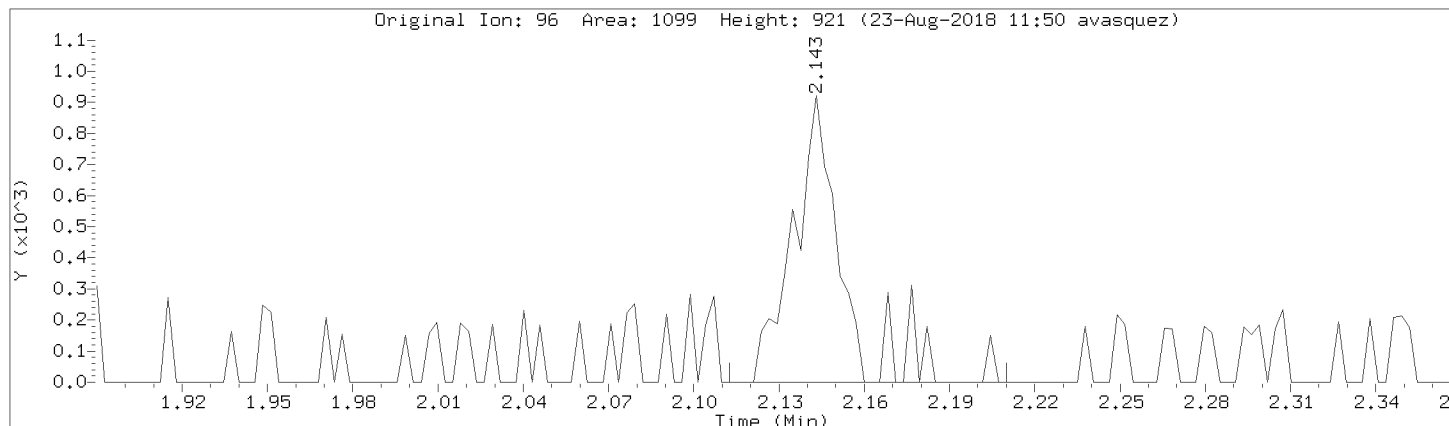
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: 1,2-Dichloroethene (trans)

Review Code: GT

CAS Number: 156-60-5

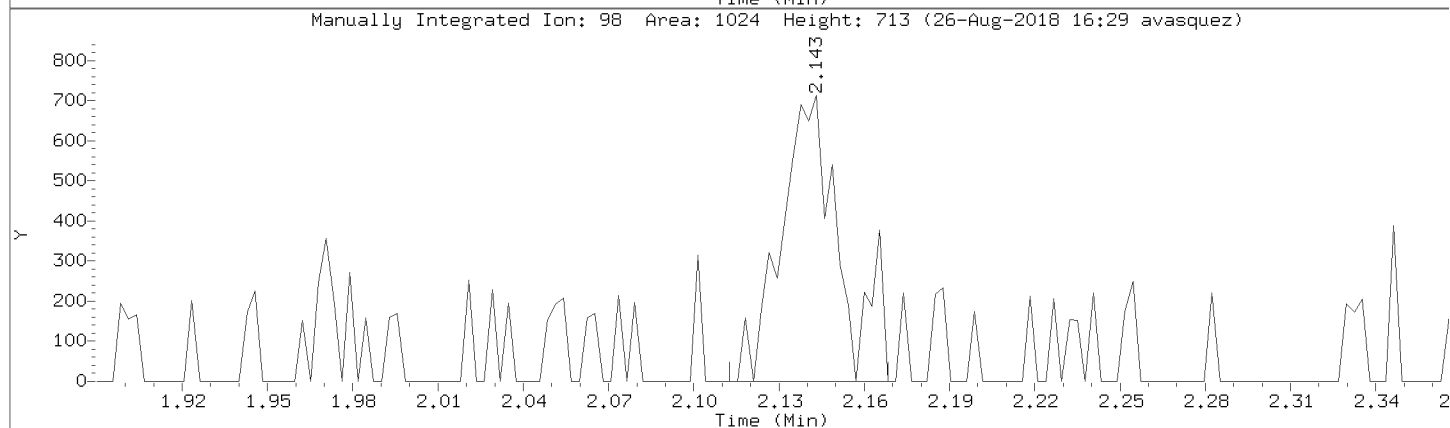
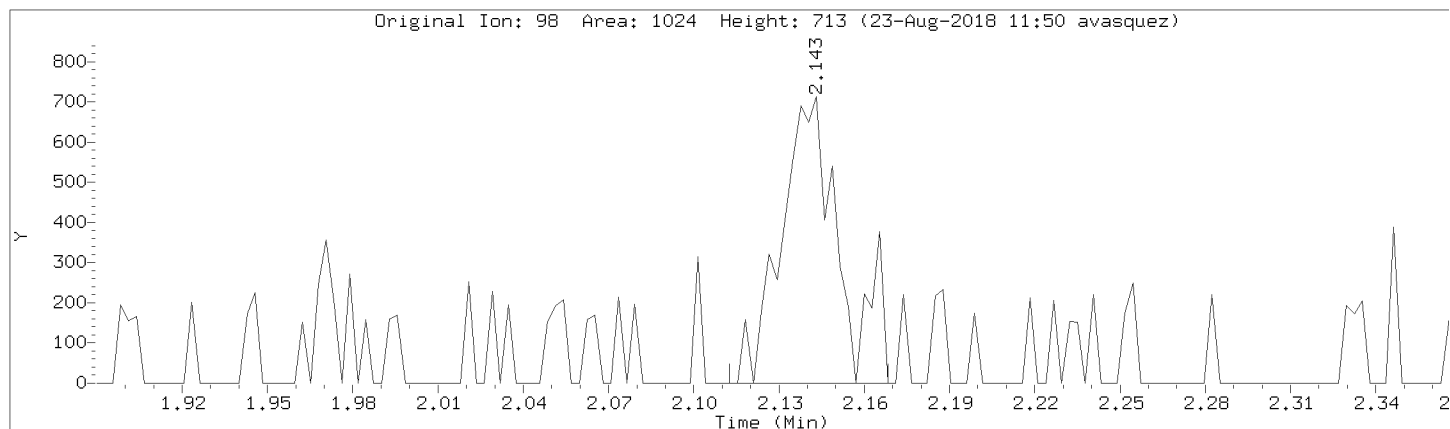


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Injection Date: 22-AUG-2018 14:19

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1



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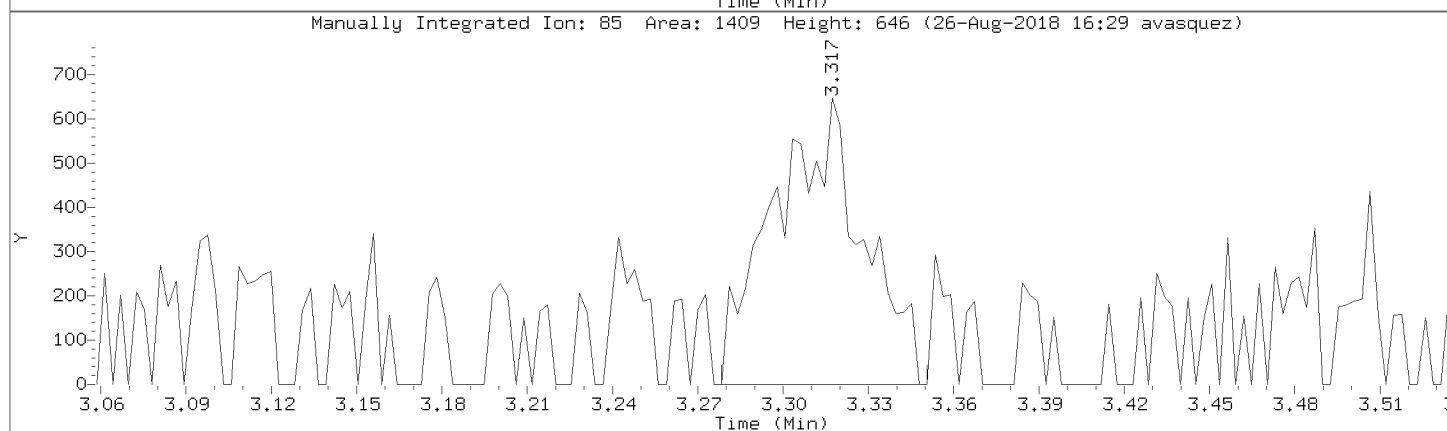
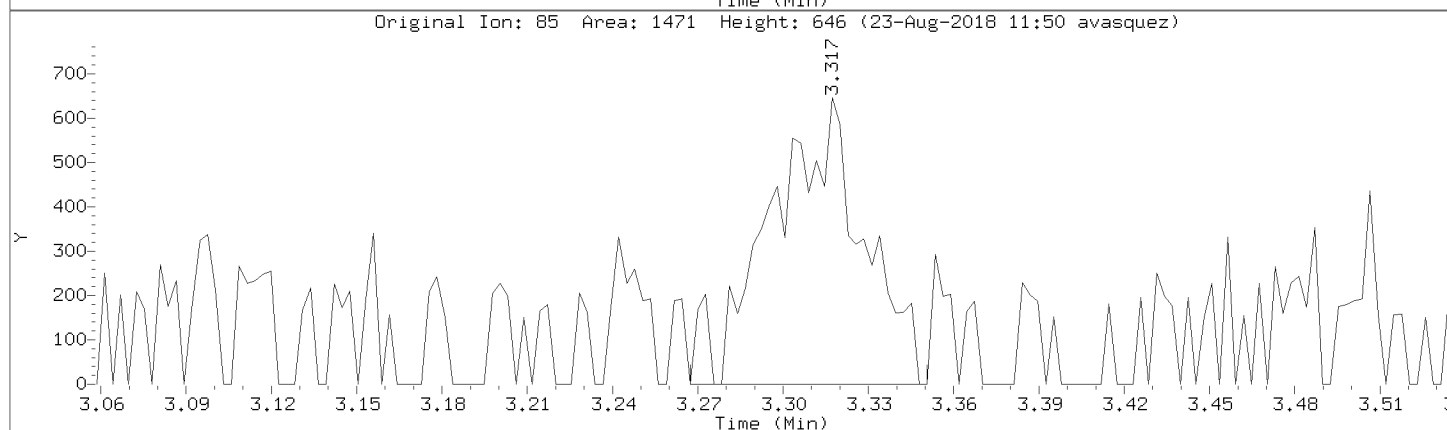
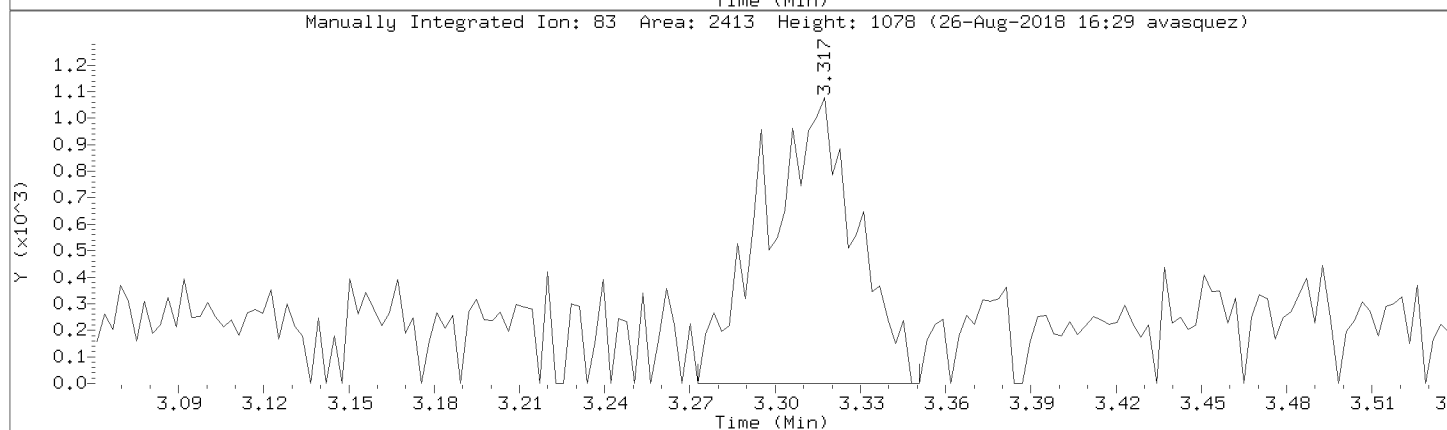
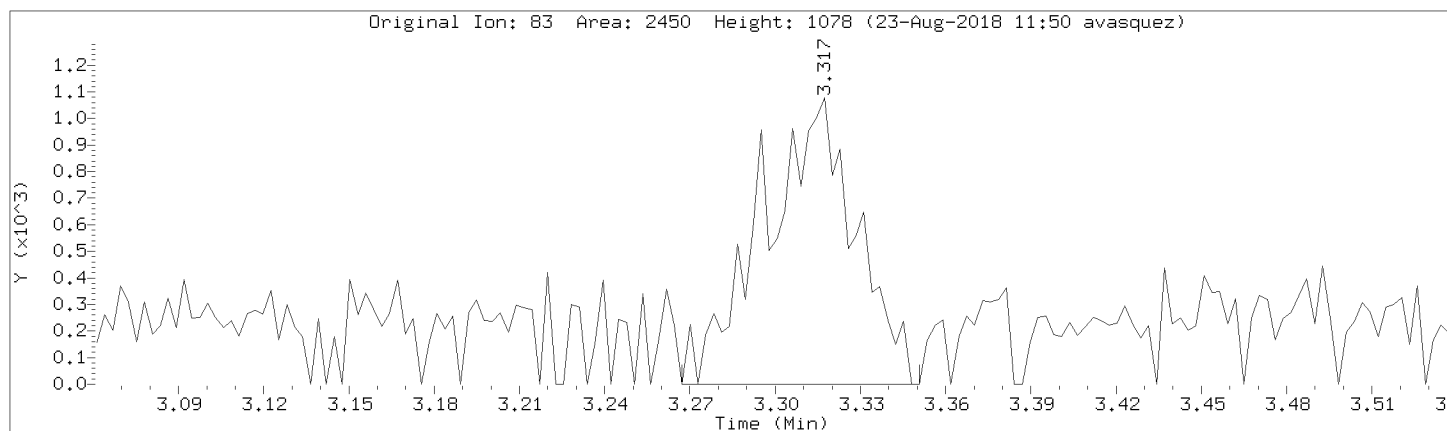
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Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

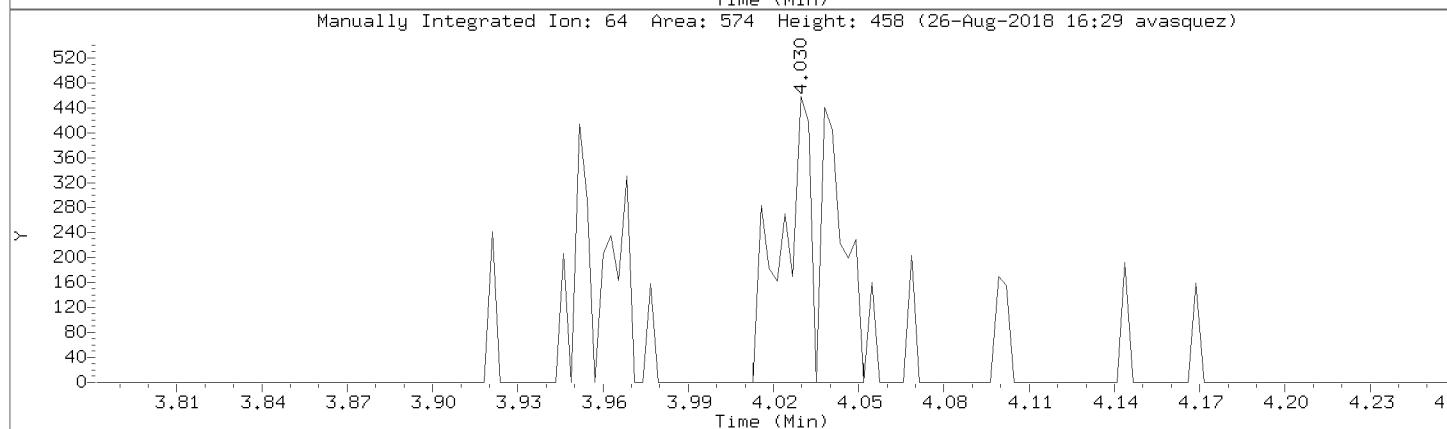
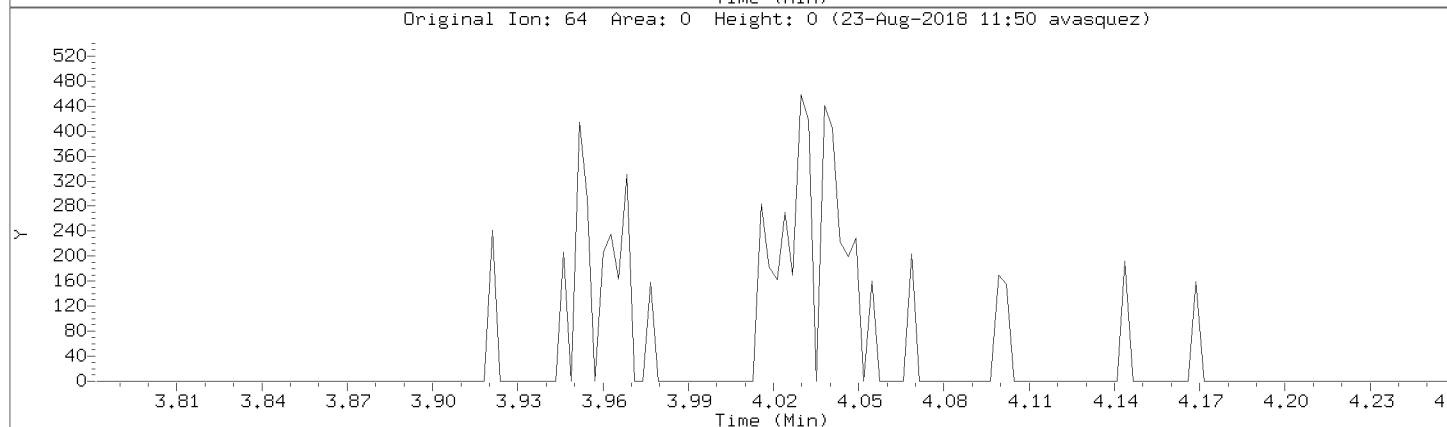
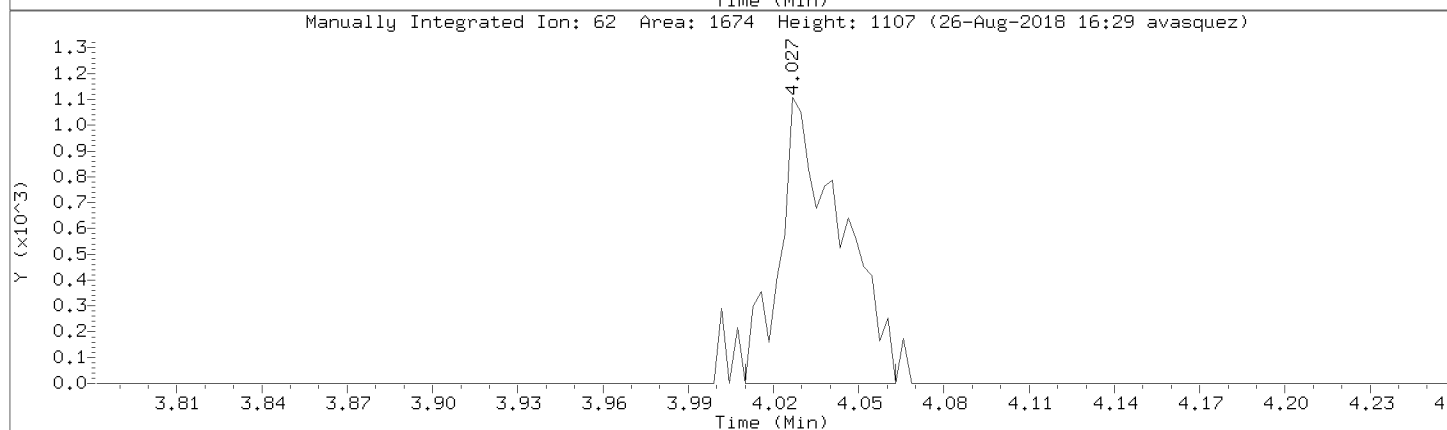
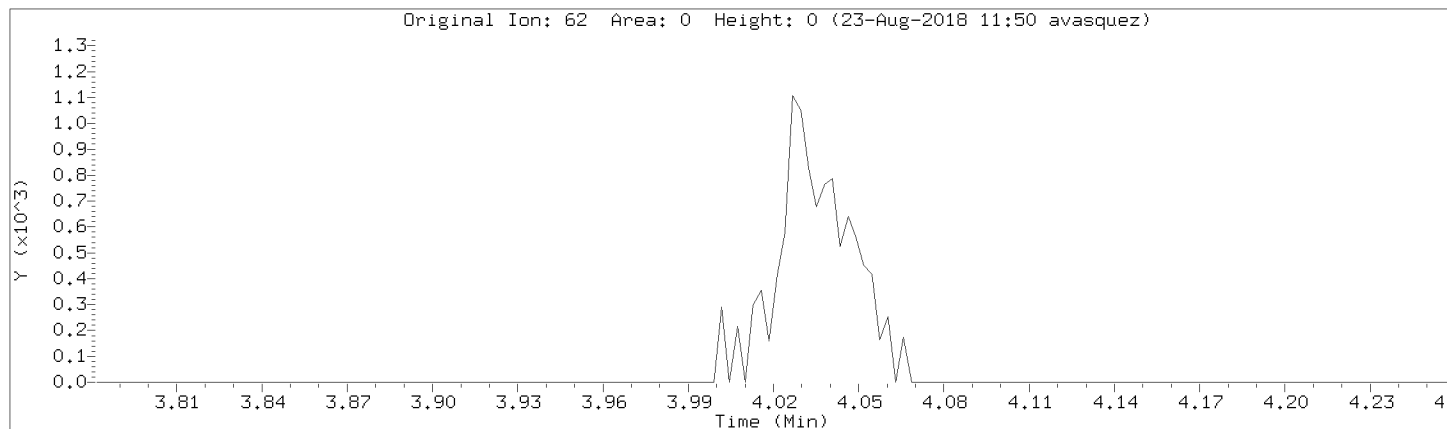
Compound: Chloroform Review Code: GT

CAS Number: 67-66-3

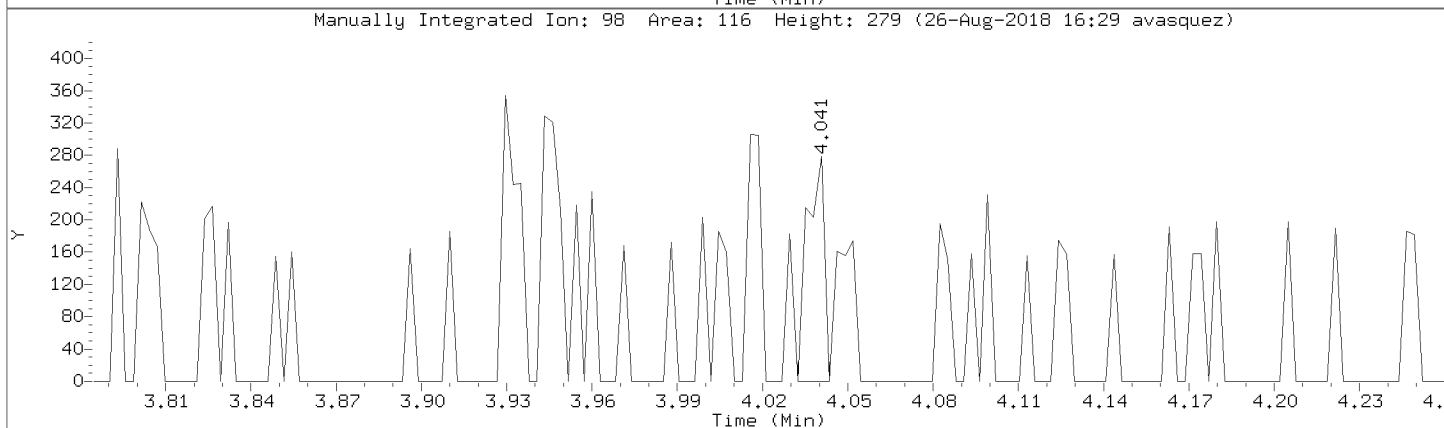
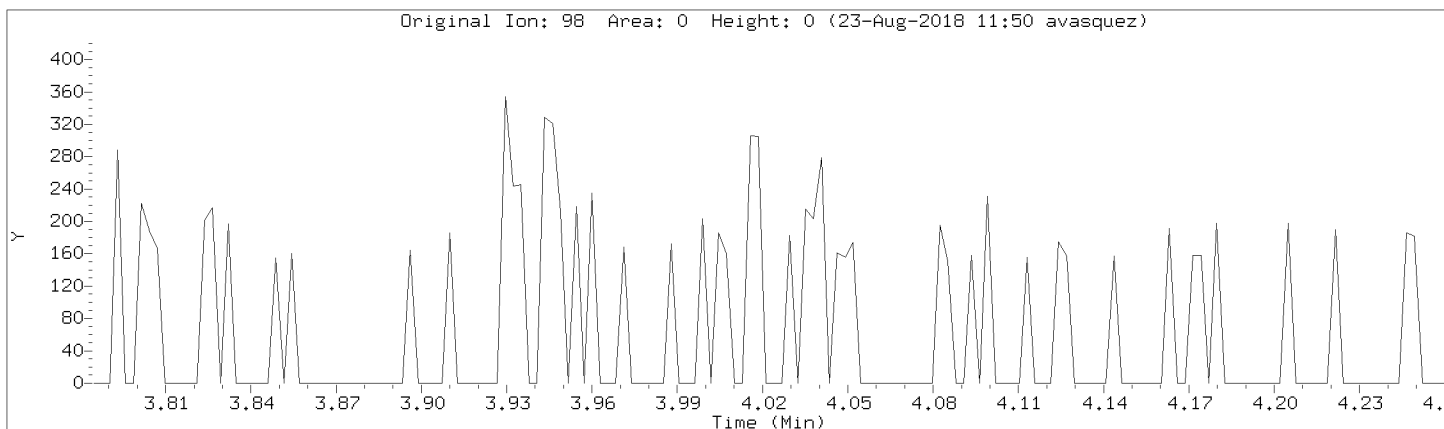


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

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

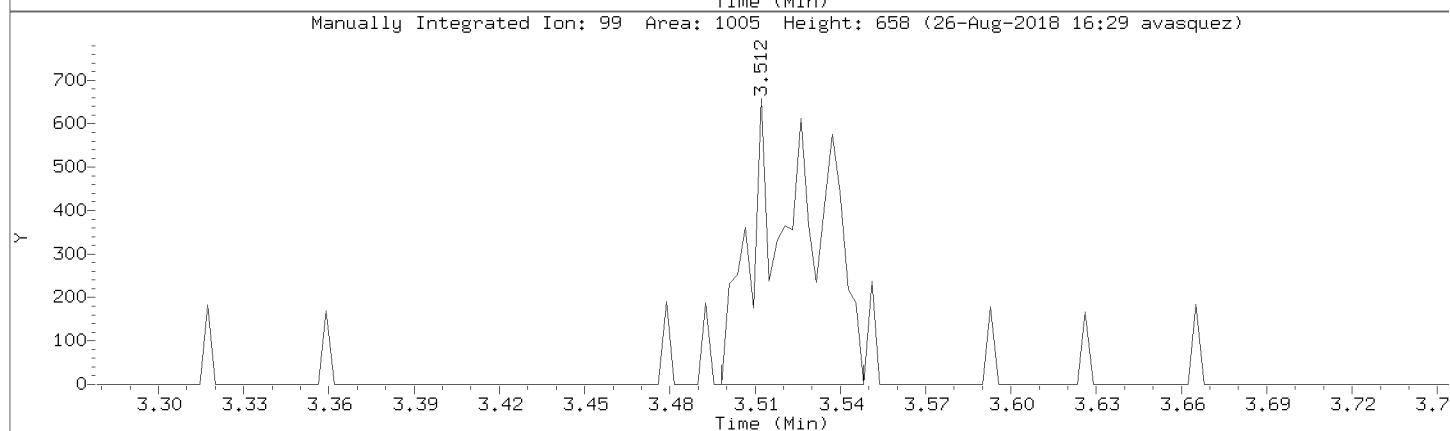
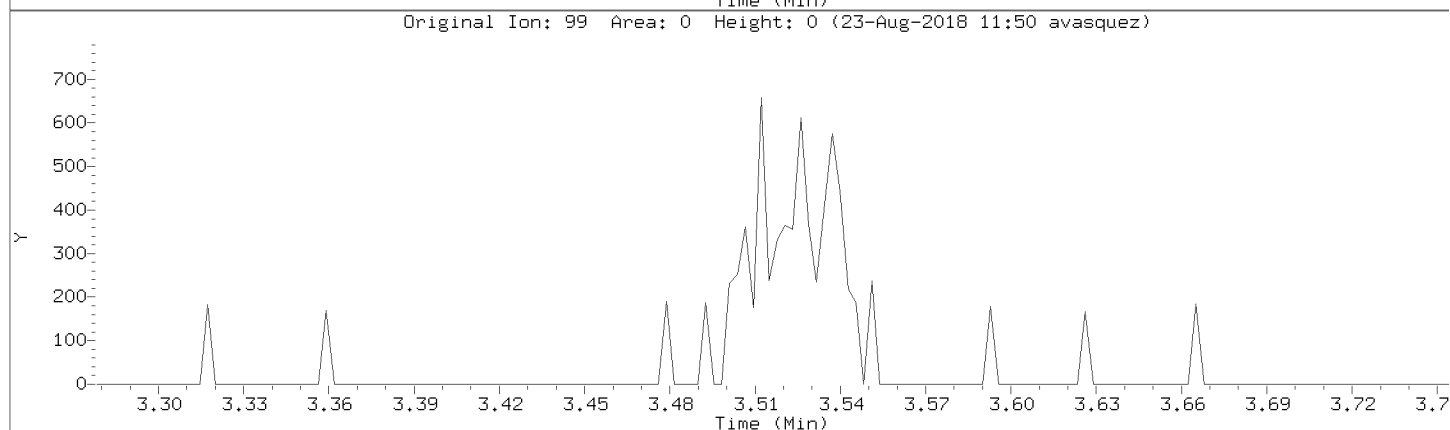
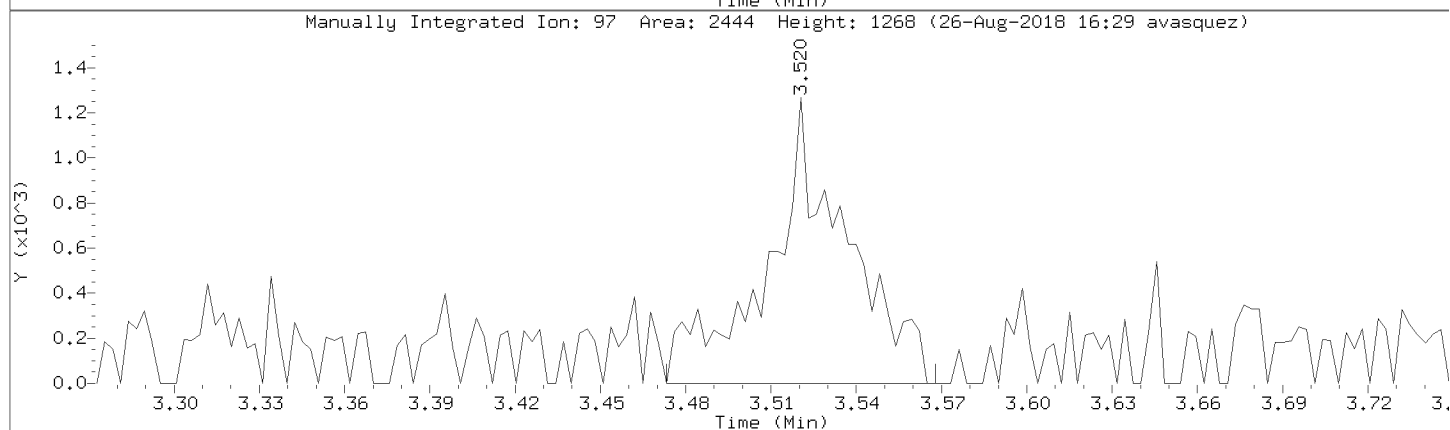
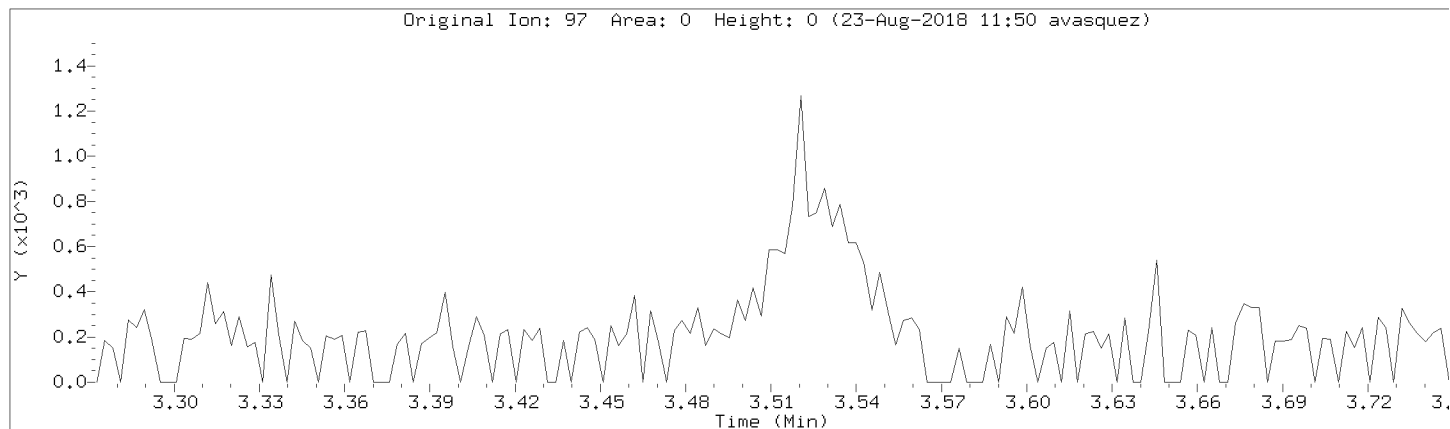


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

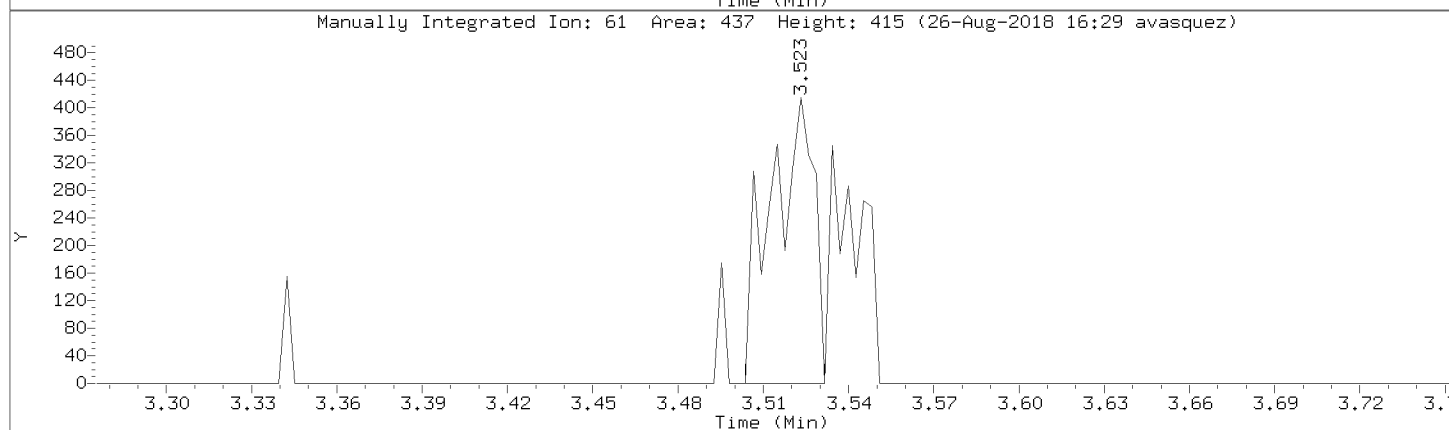
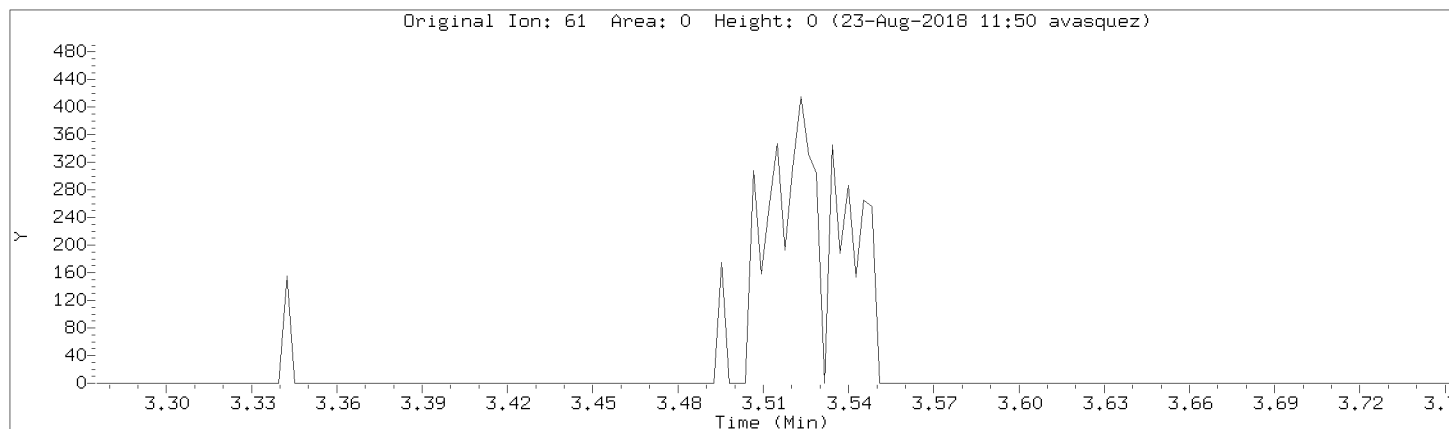


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: 1,1,1-Trichloroethane Review Code: NI
CAS Number: 71-55-6

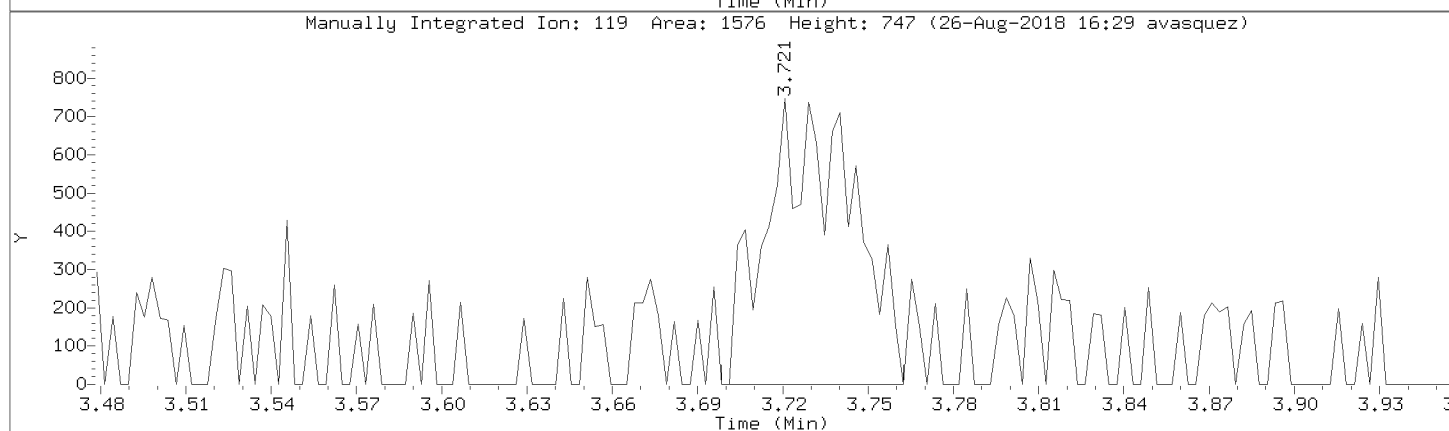
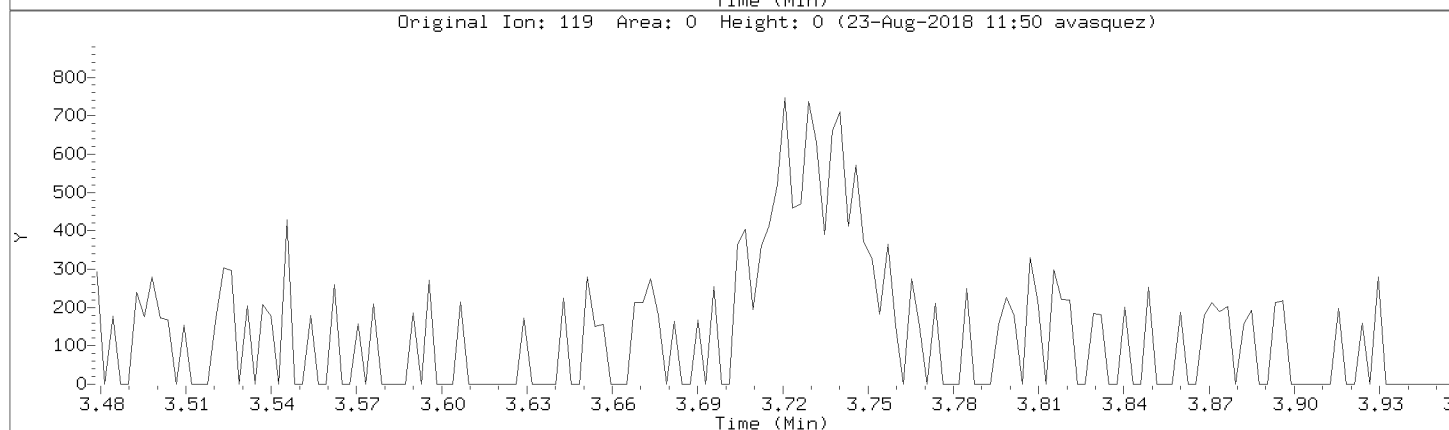
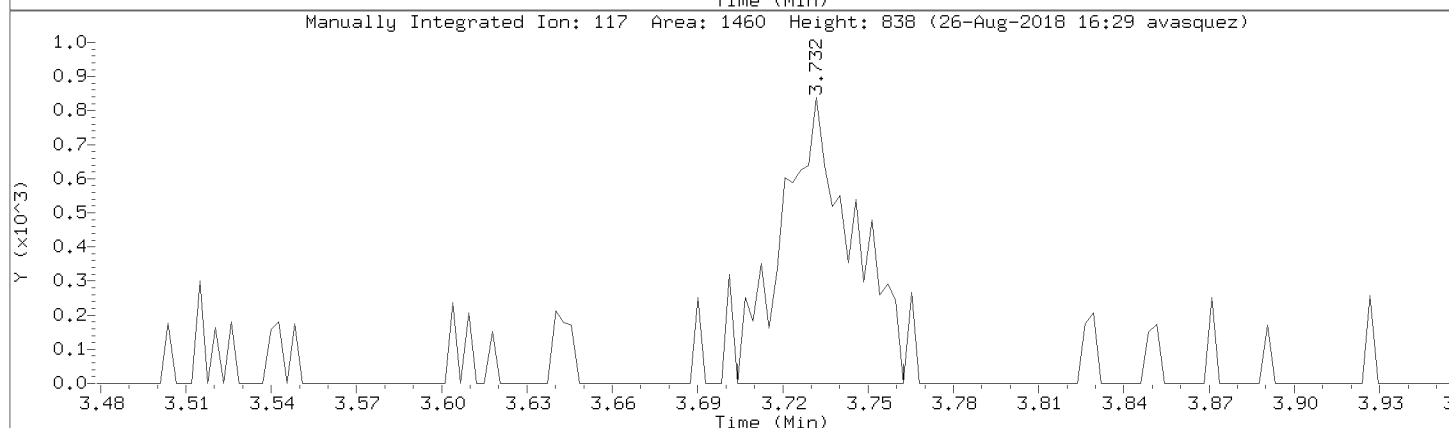
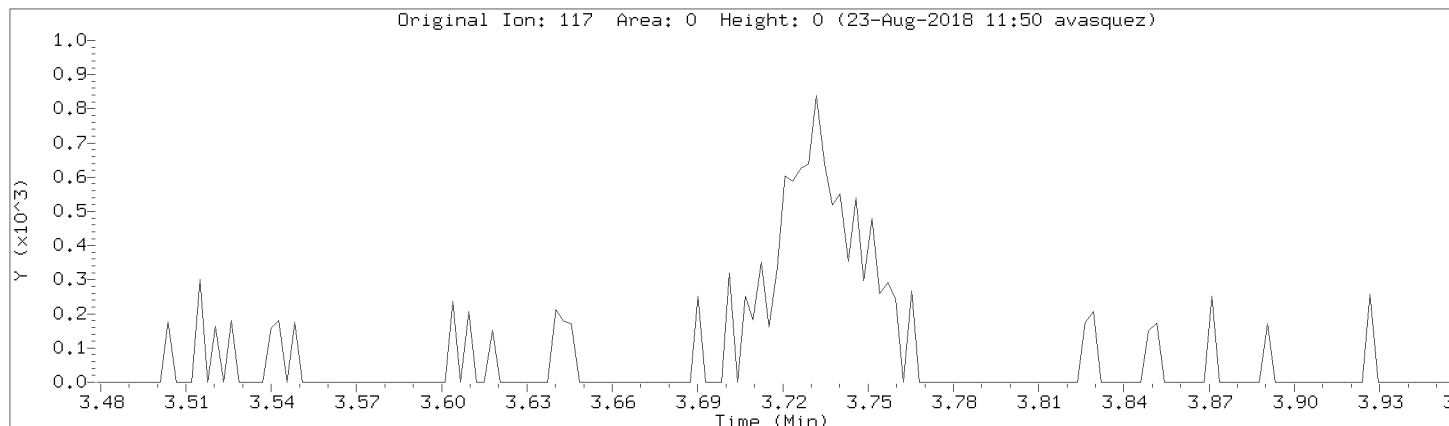


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

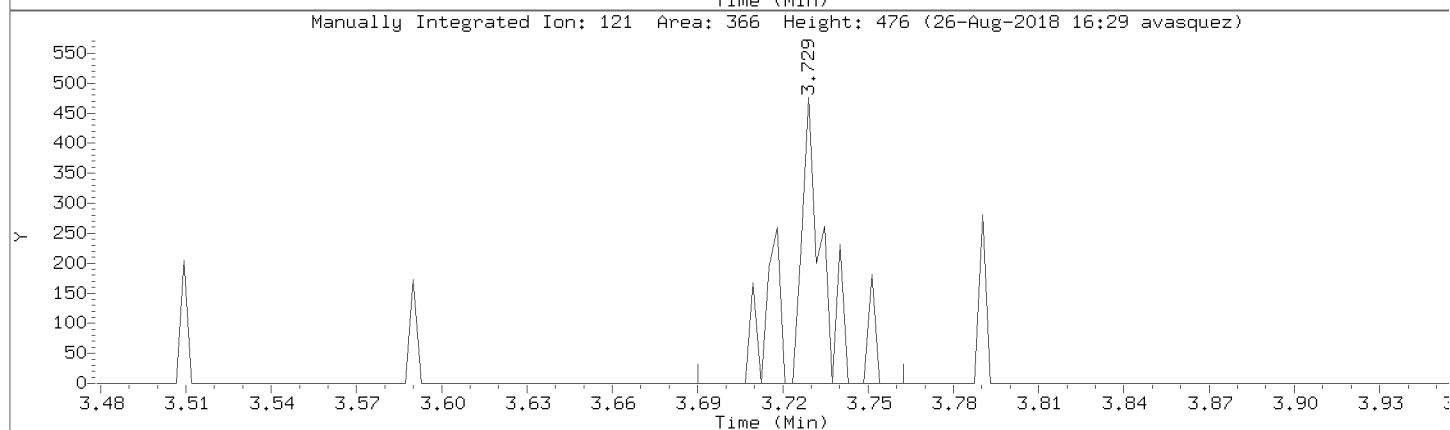
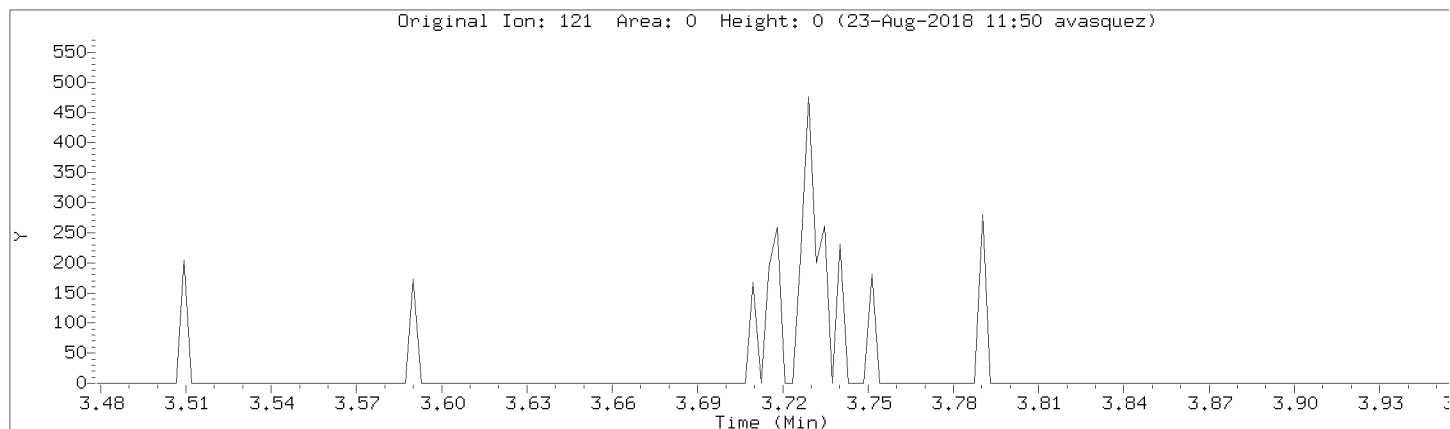


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

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

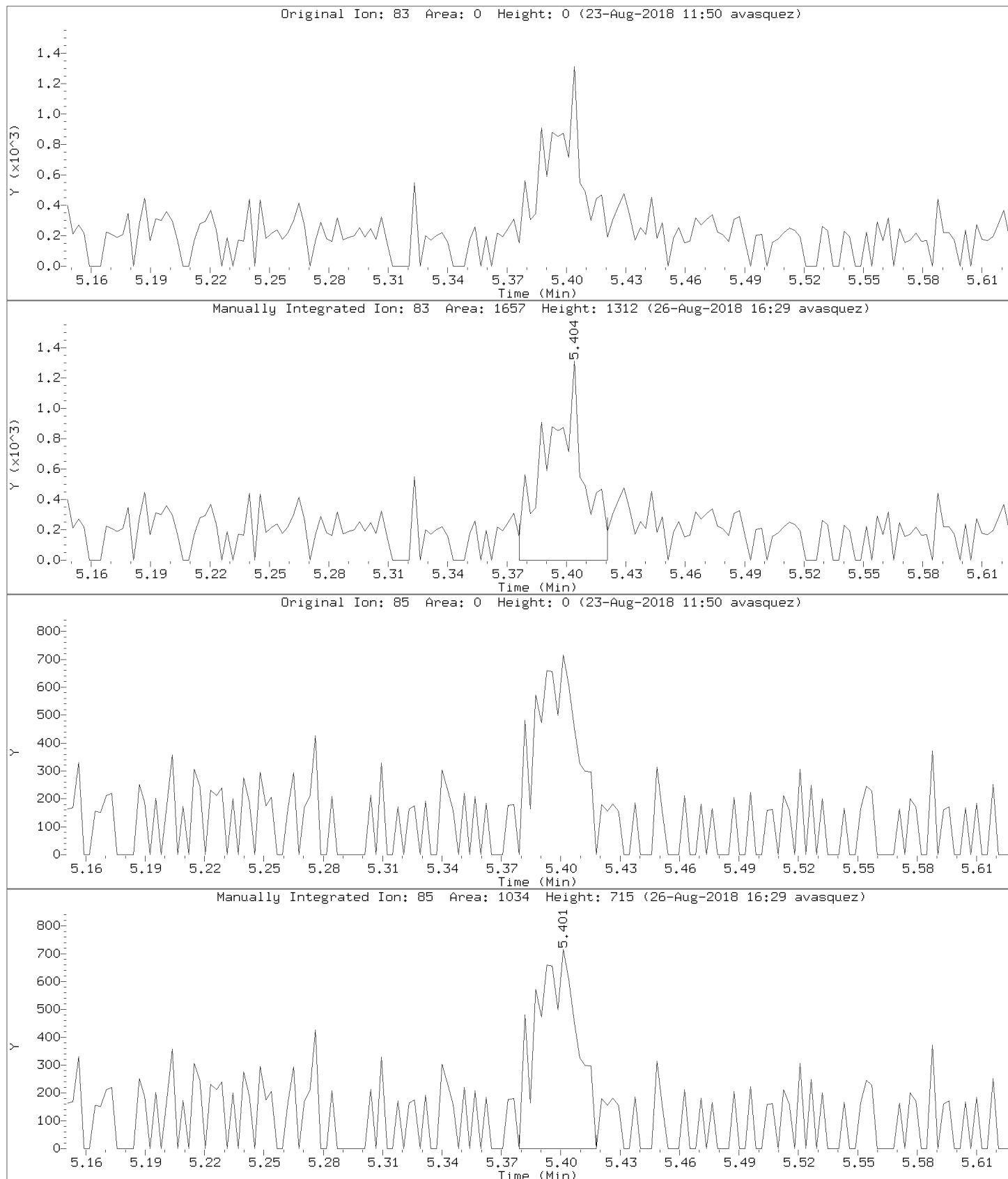


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

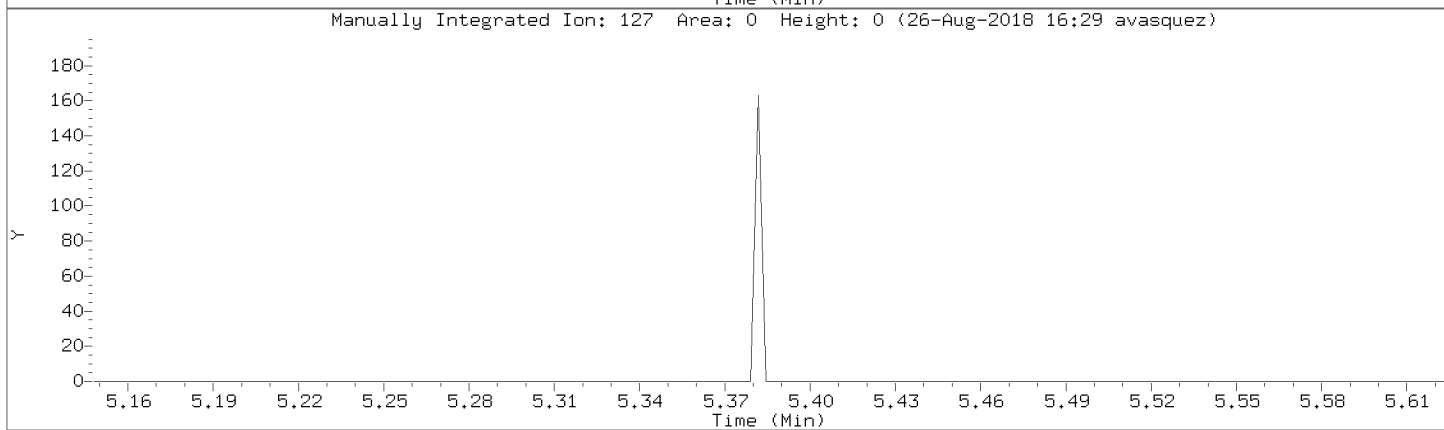
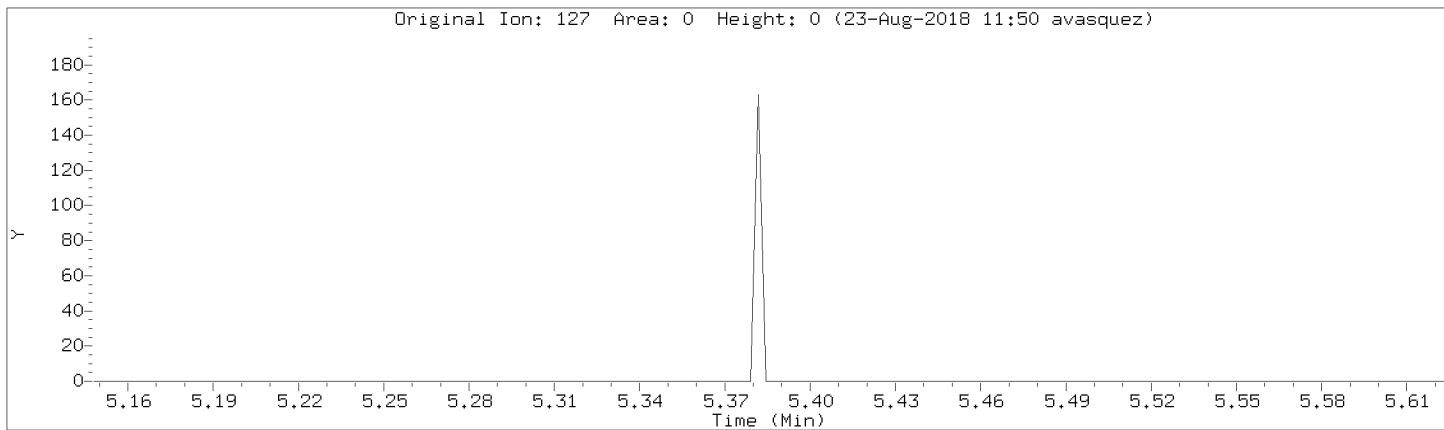


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

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



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

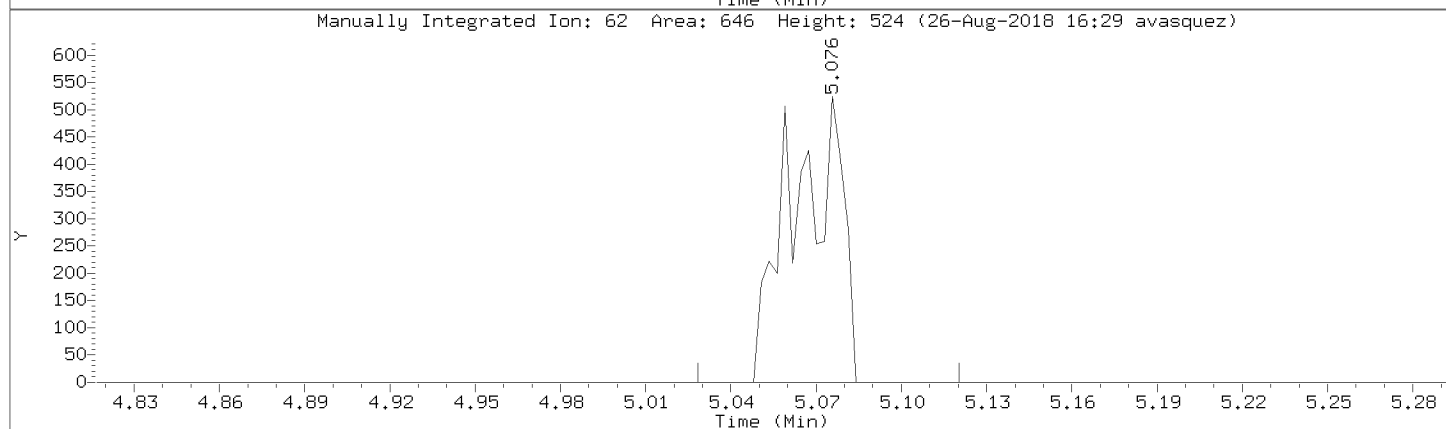
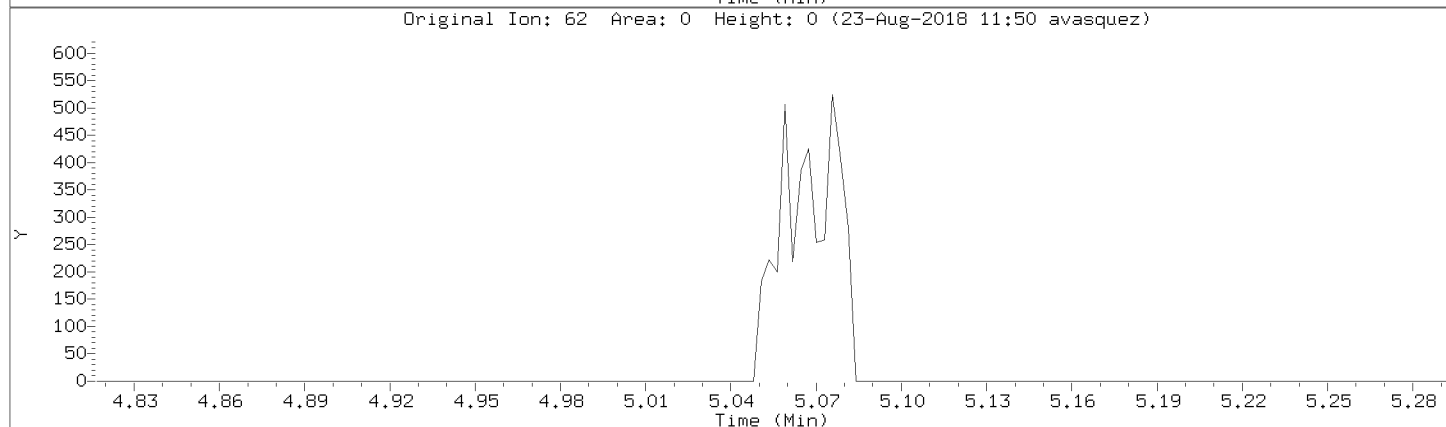
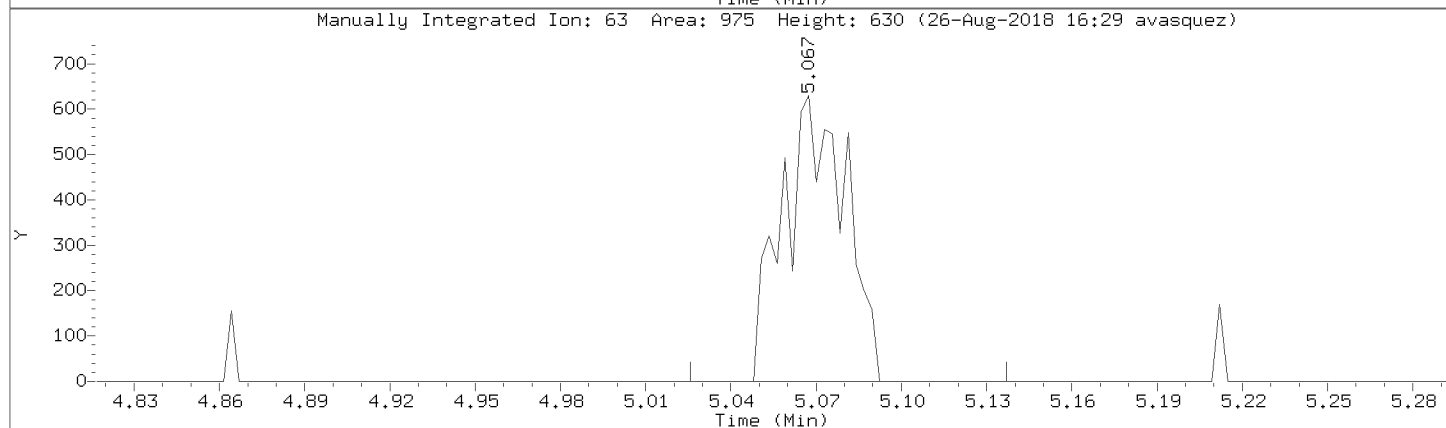
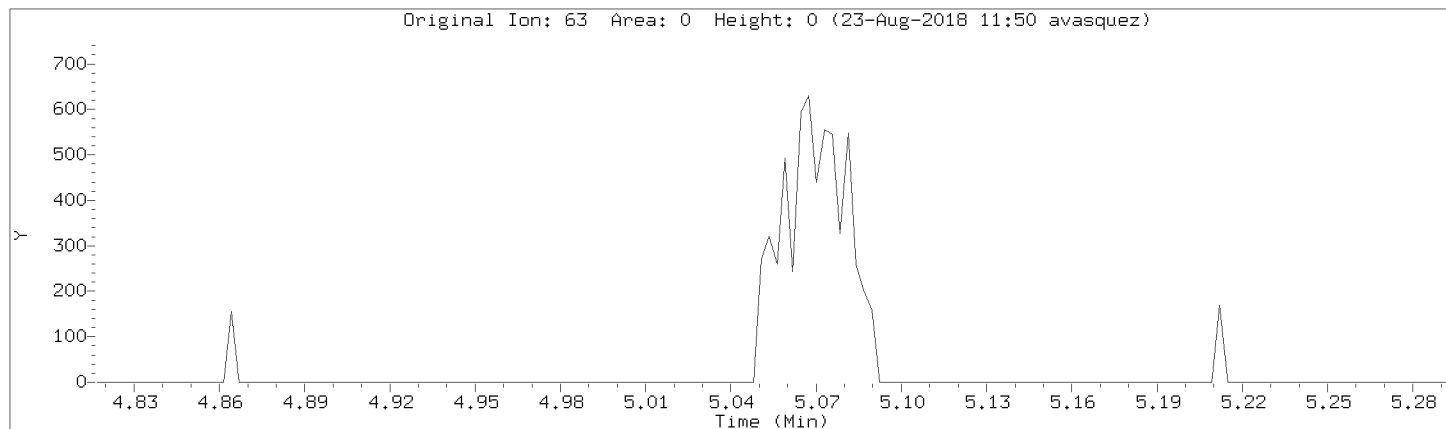
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Lab Sample ID: 8260-CAL1

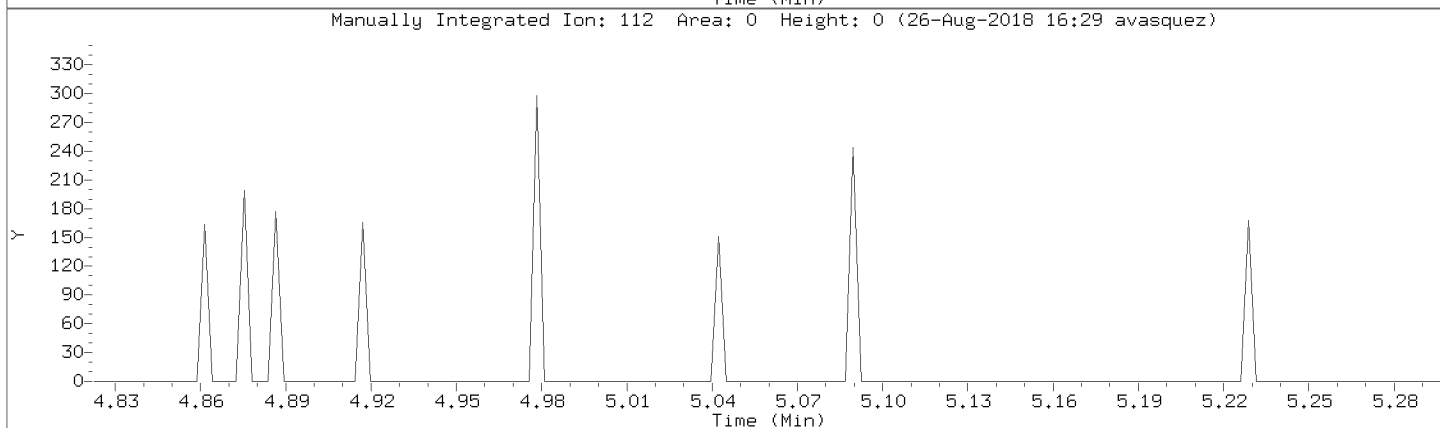
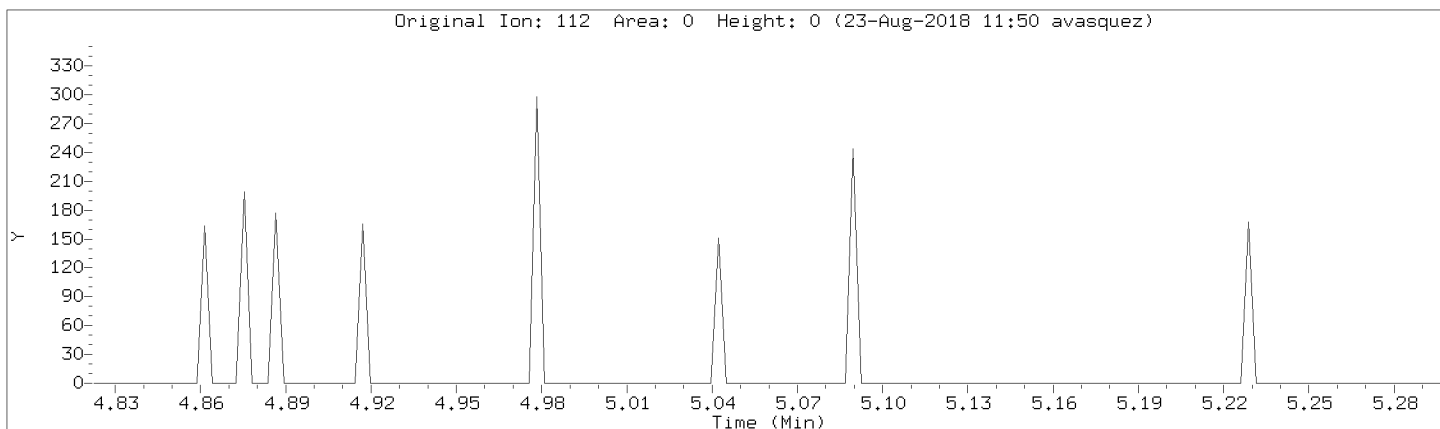
Compound: 1,2-Dichloropropane

Review Code: NI

CAS Number: 78-87-5

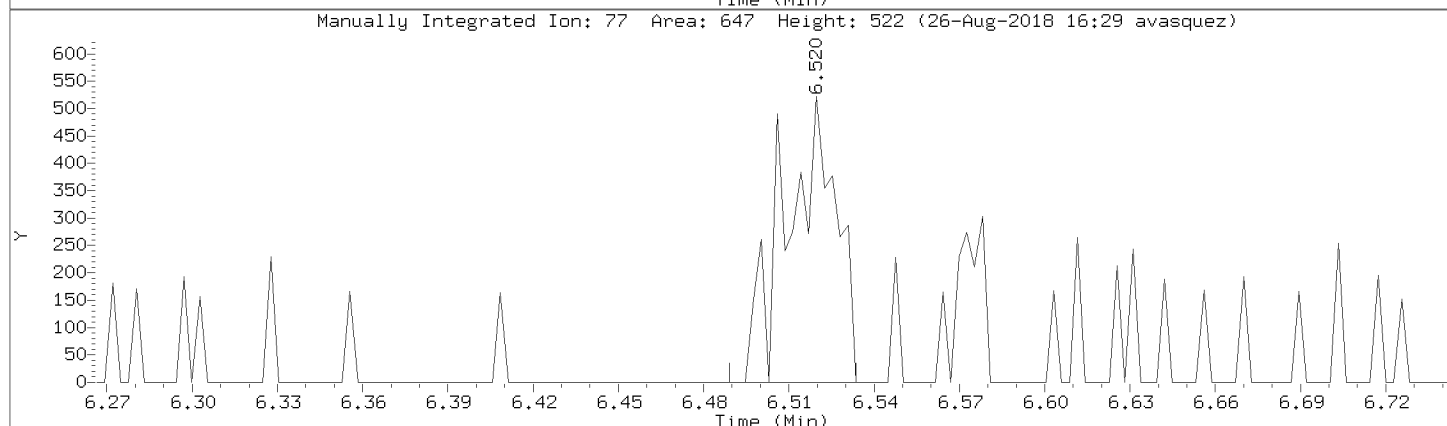
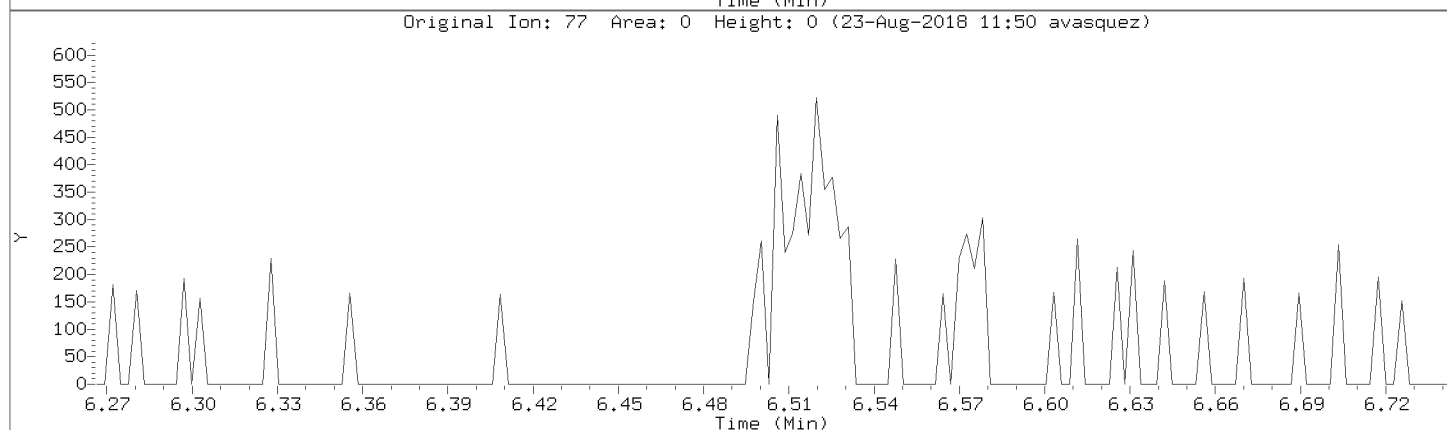
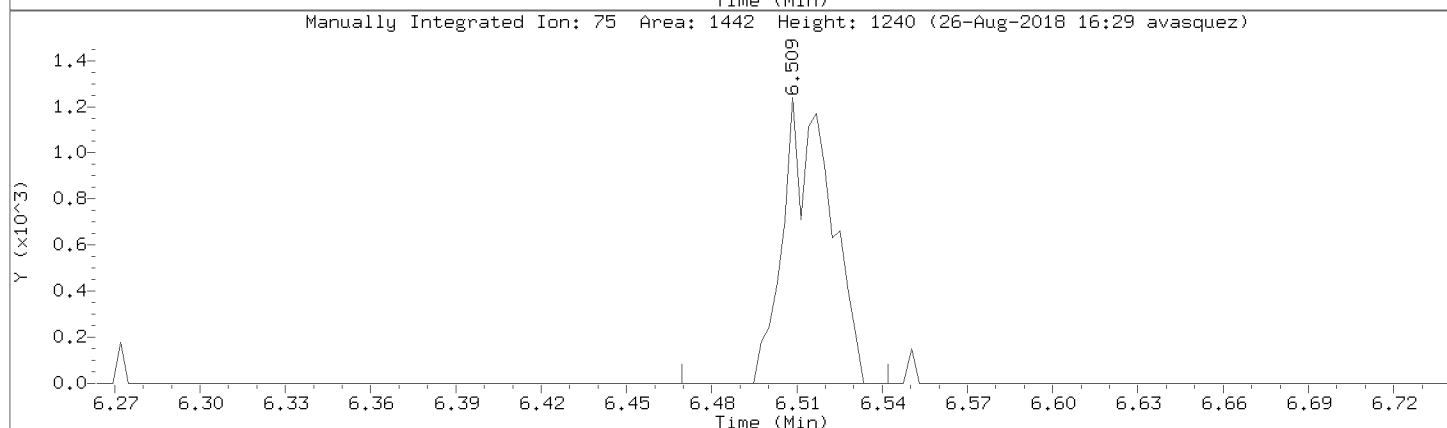
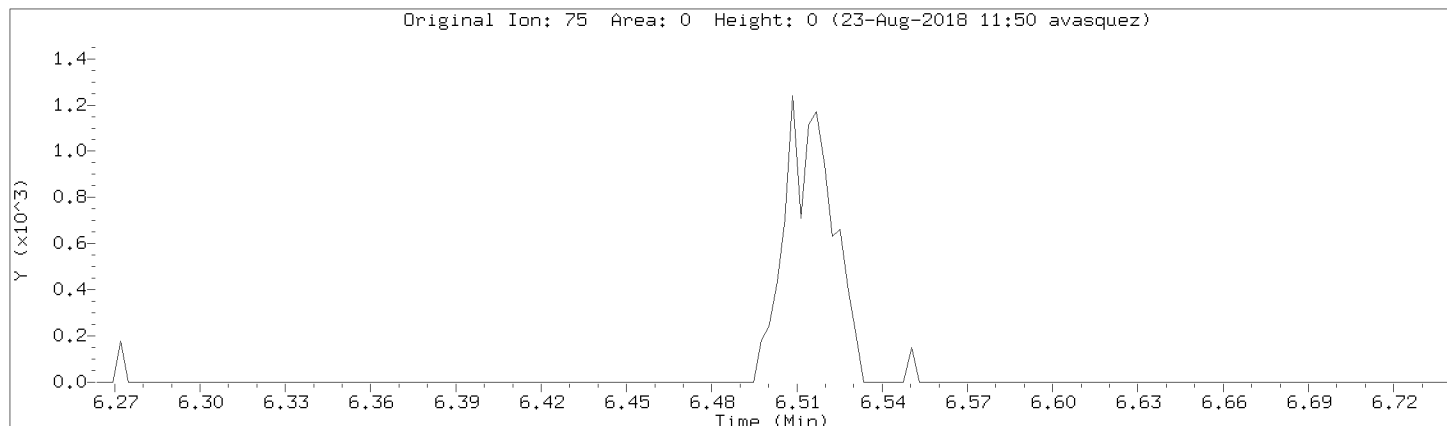


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



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



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Injection Date: 22-AUG-2018 14:19

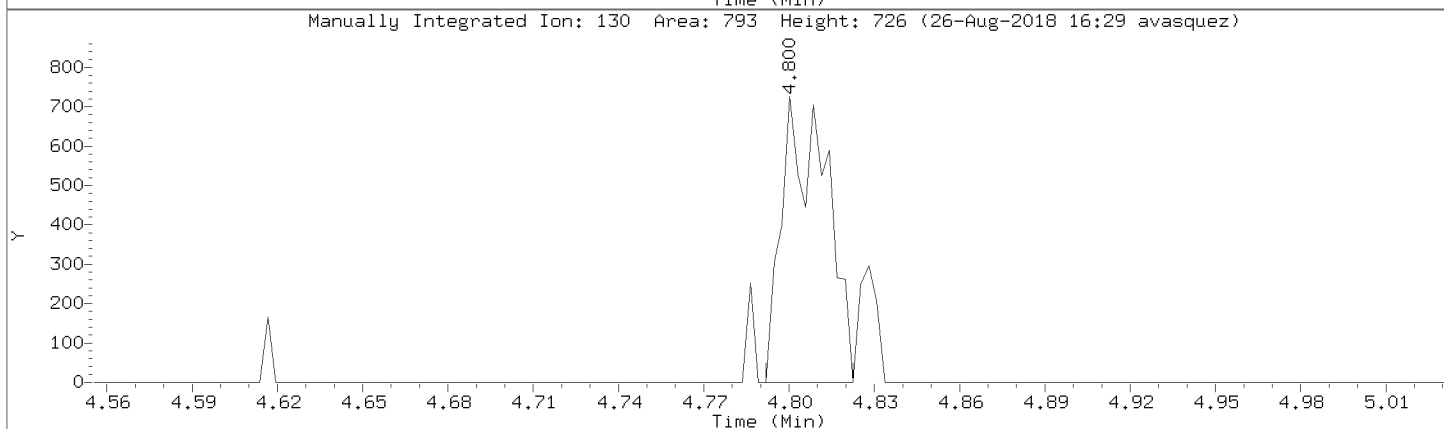
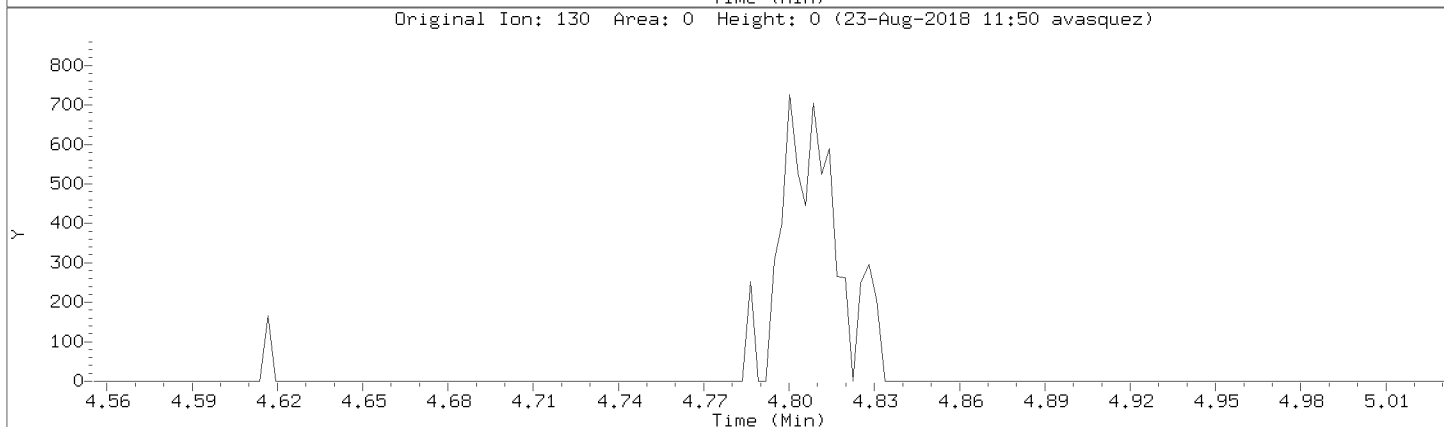
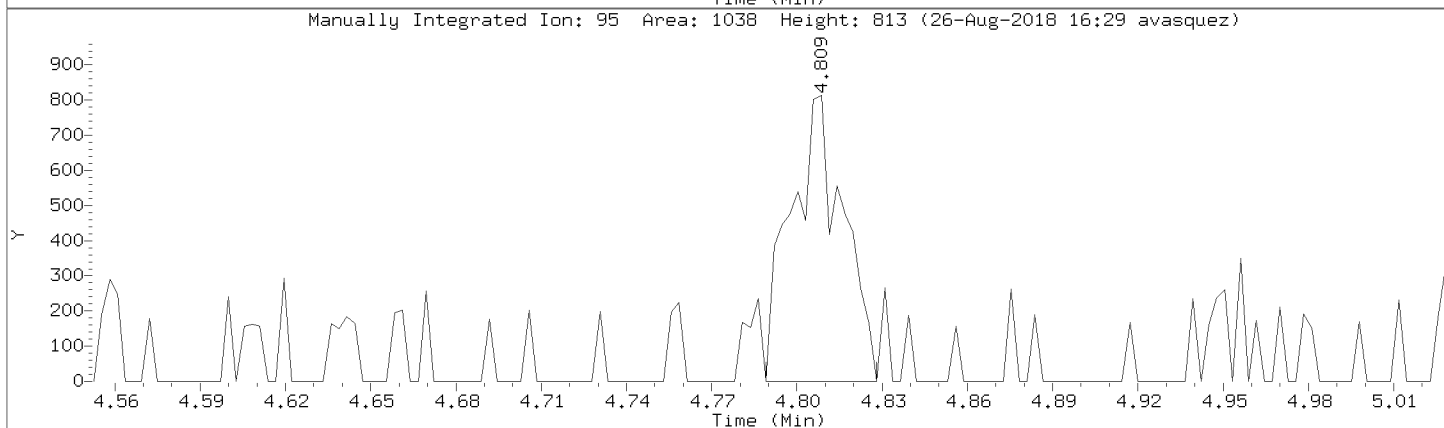
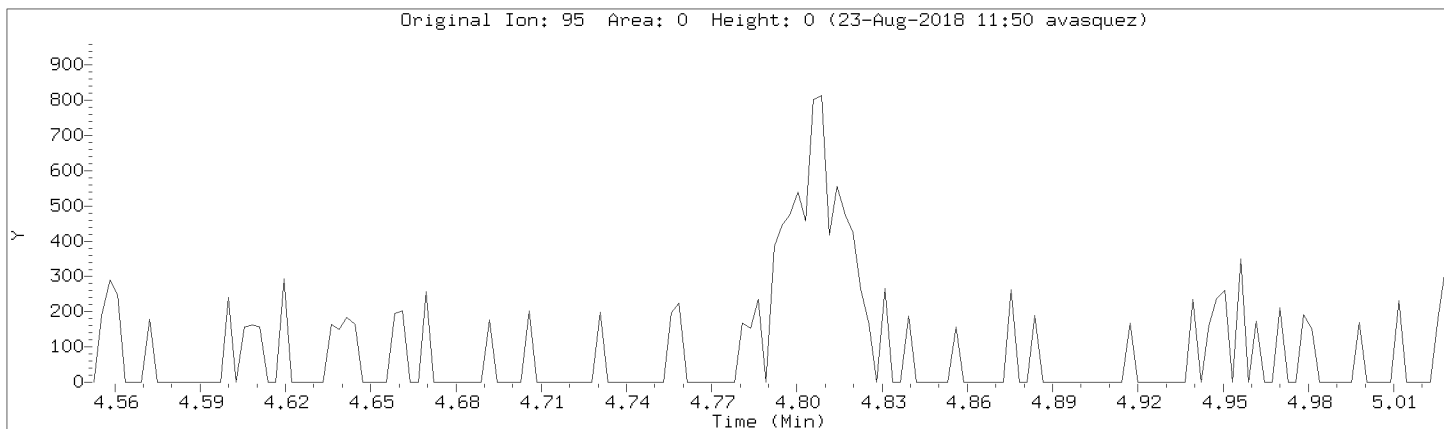
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

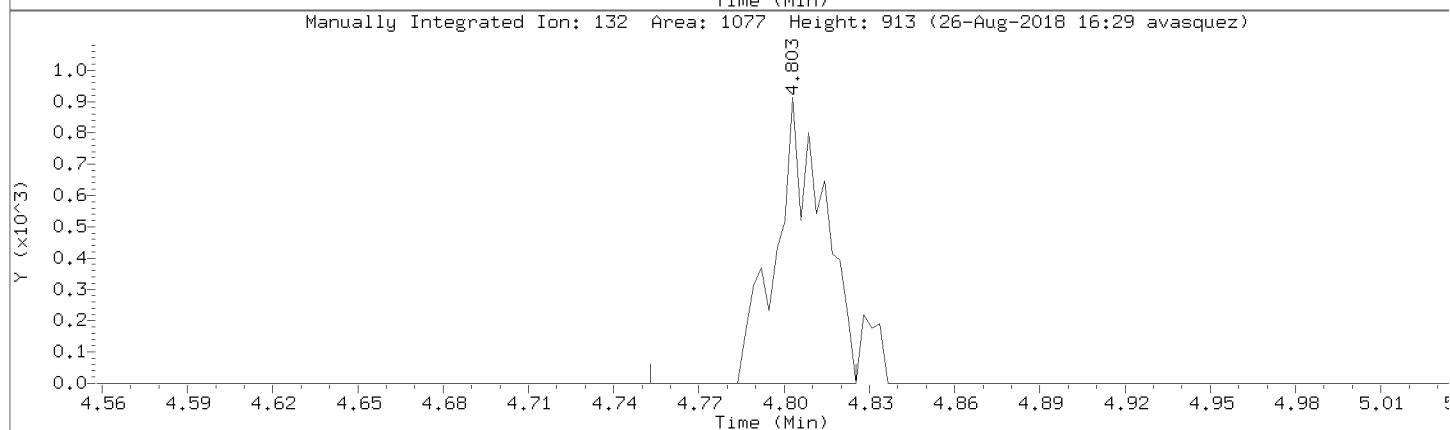
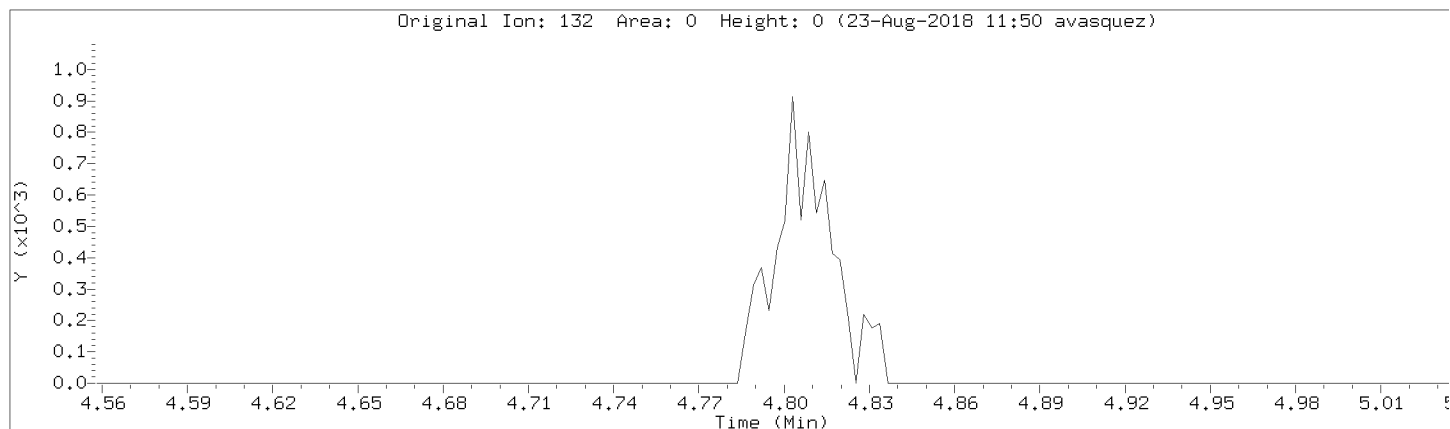
Compound: Trichloroethene

Review Code: NI

CAS Number: 79-01-6

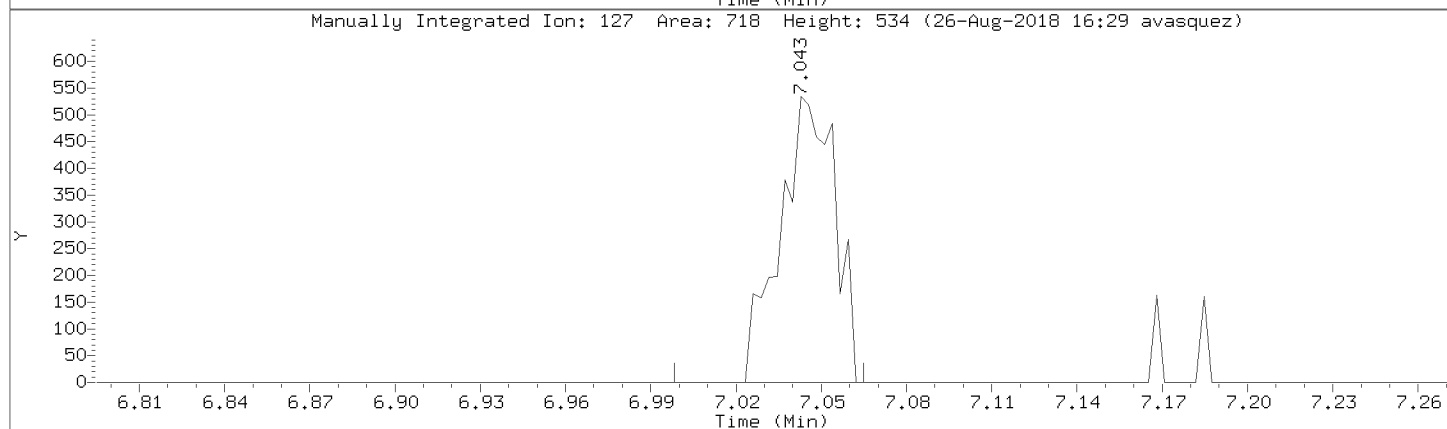
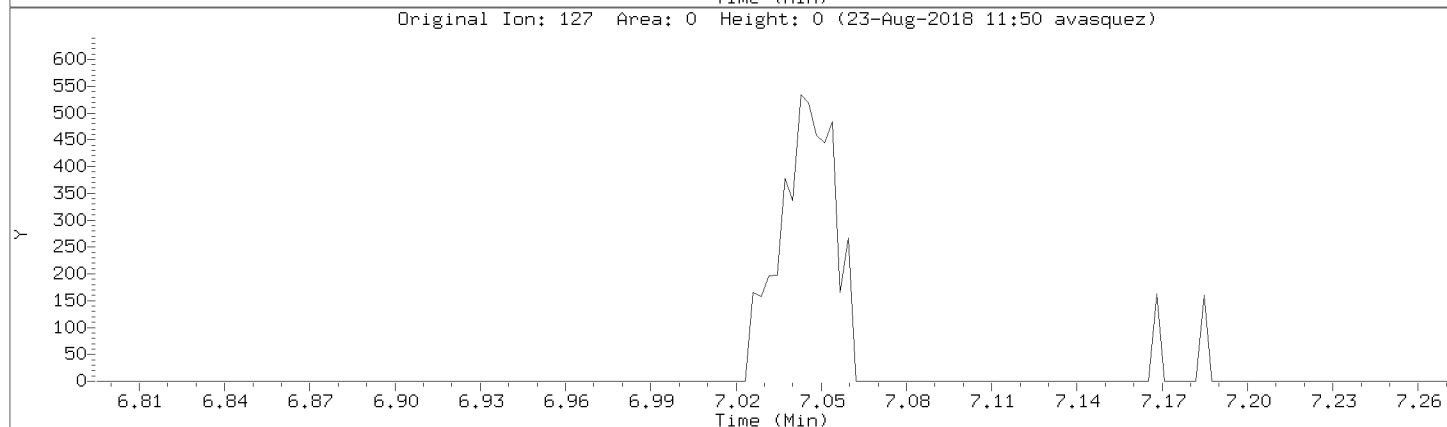
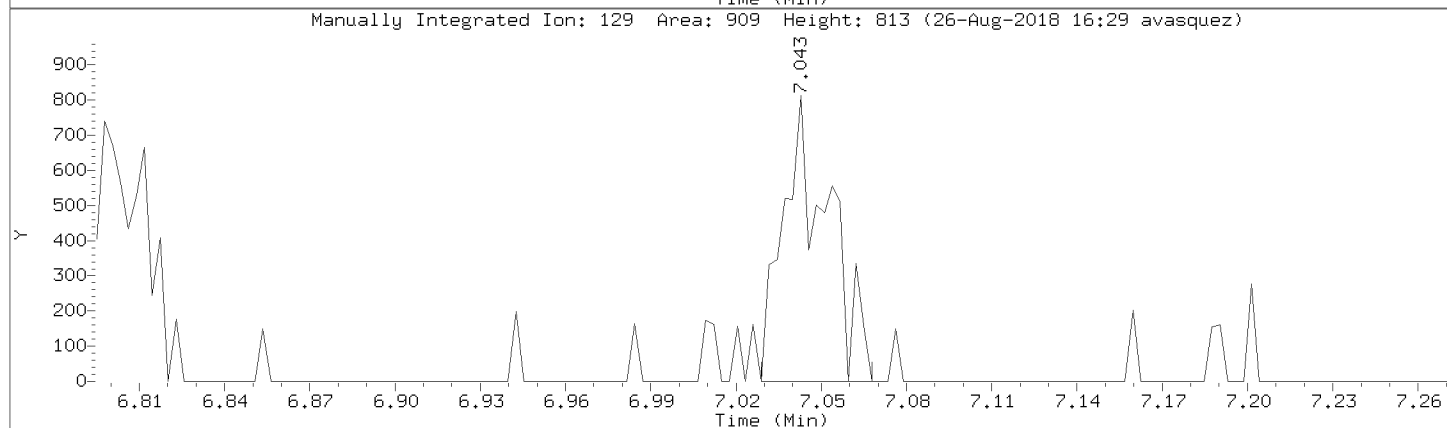
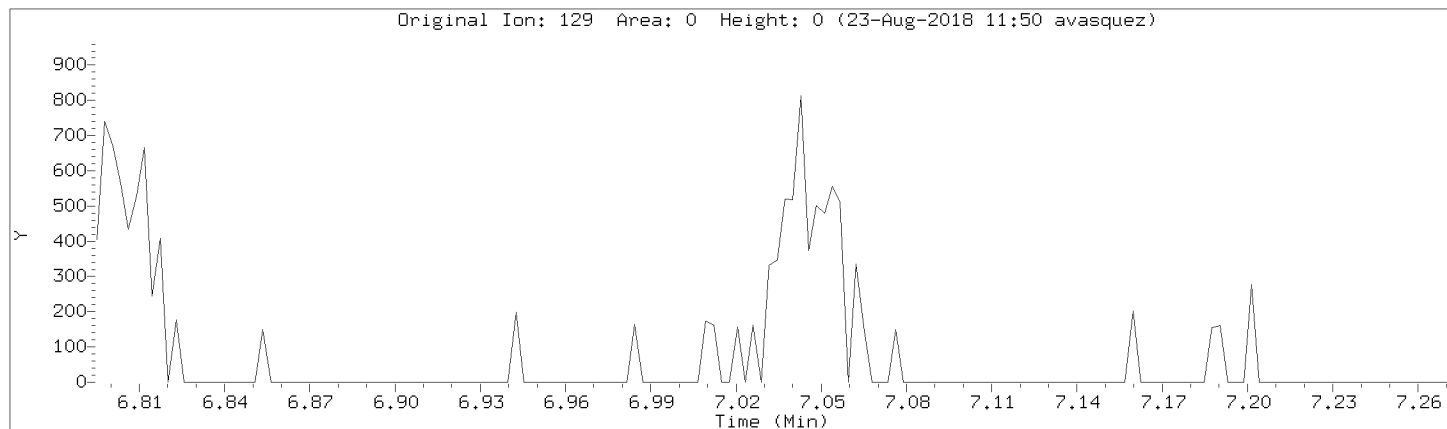


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



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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



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Injection Date: 22-AUG-2018 14:19

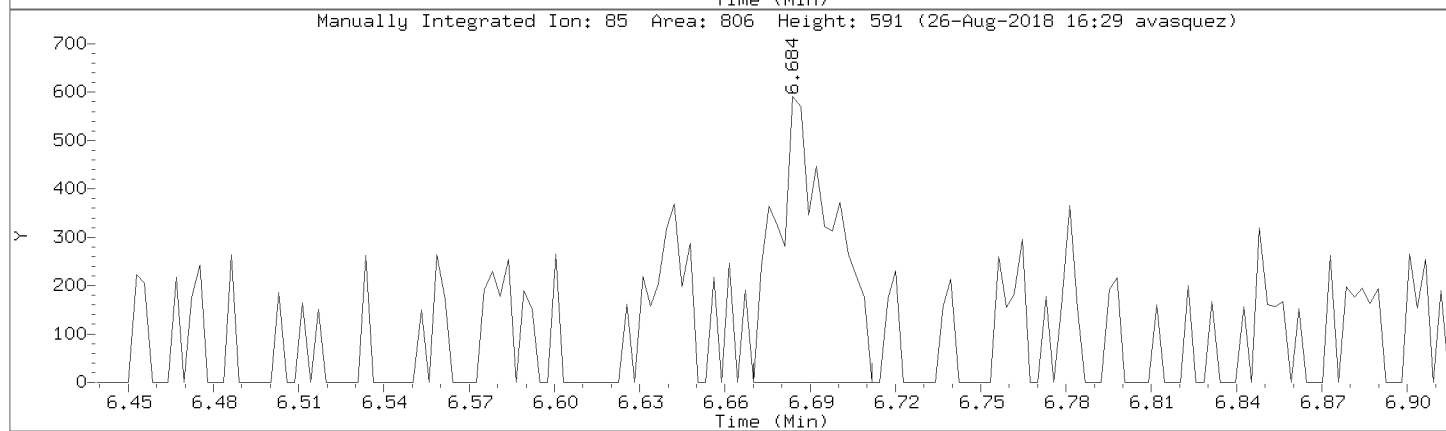
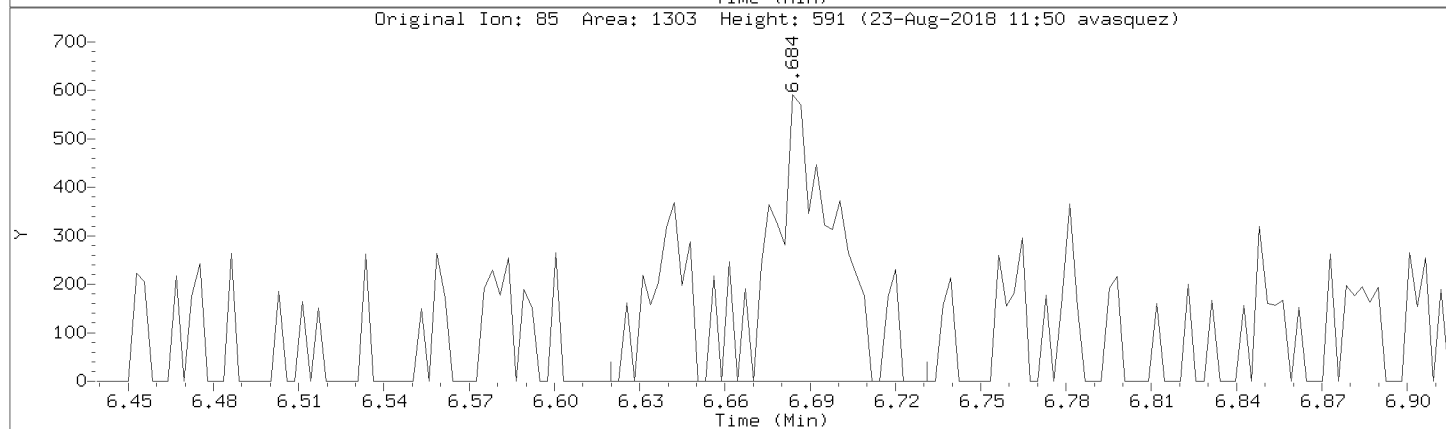
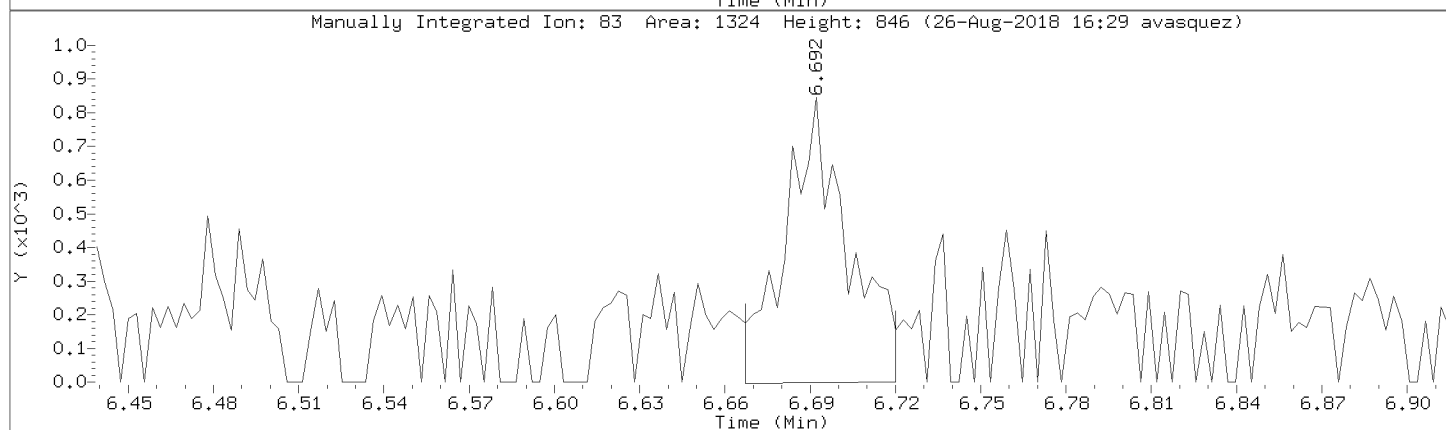
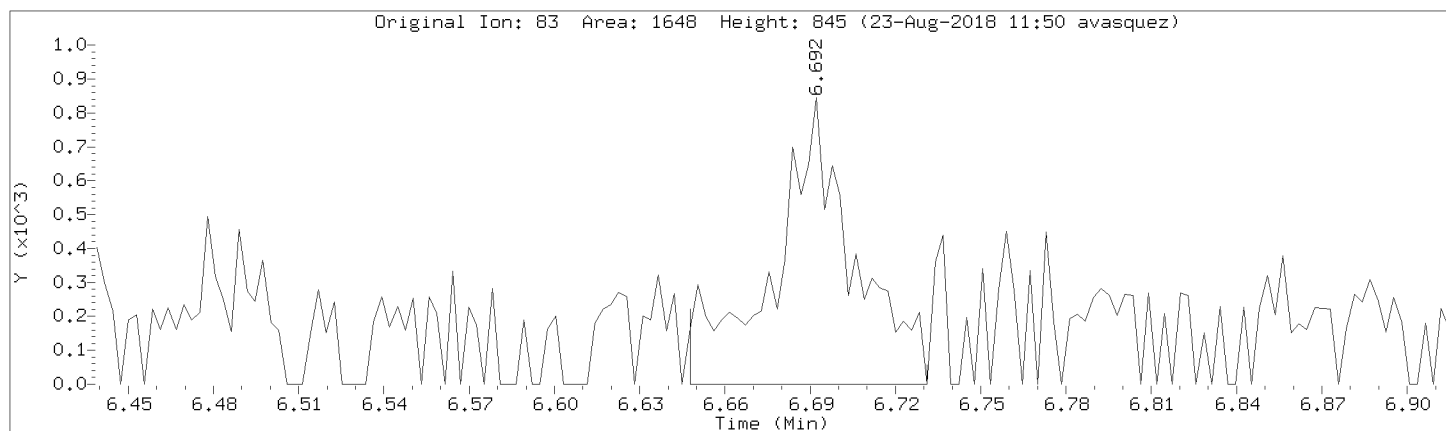
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Lab Sample ID: 8260-CAL1

Compound: 1,1,2-Trichloroethane

Review Code: NI

CAS Number: 79-00-5

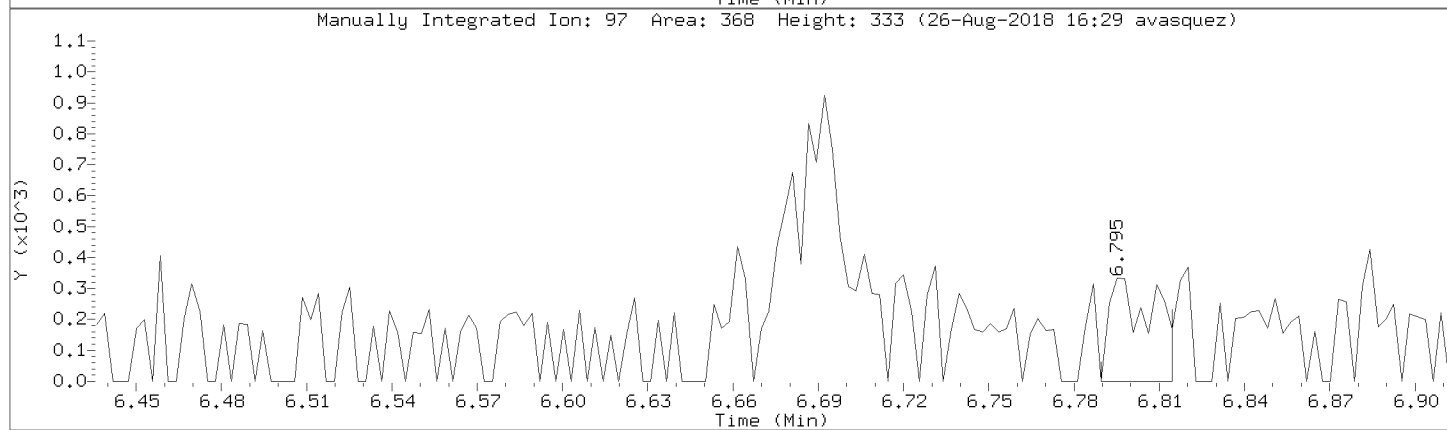
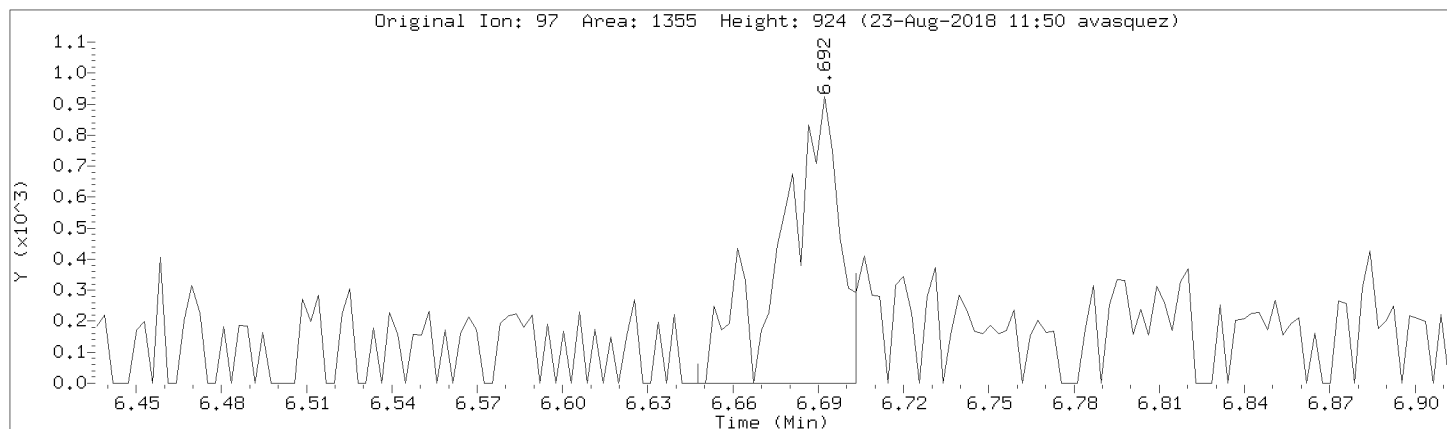


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d

Injection Date: 22-AUG-2018 14:19

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1



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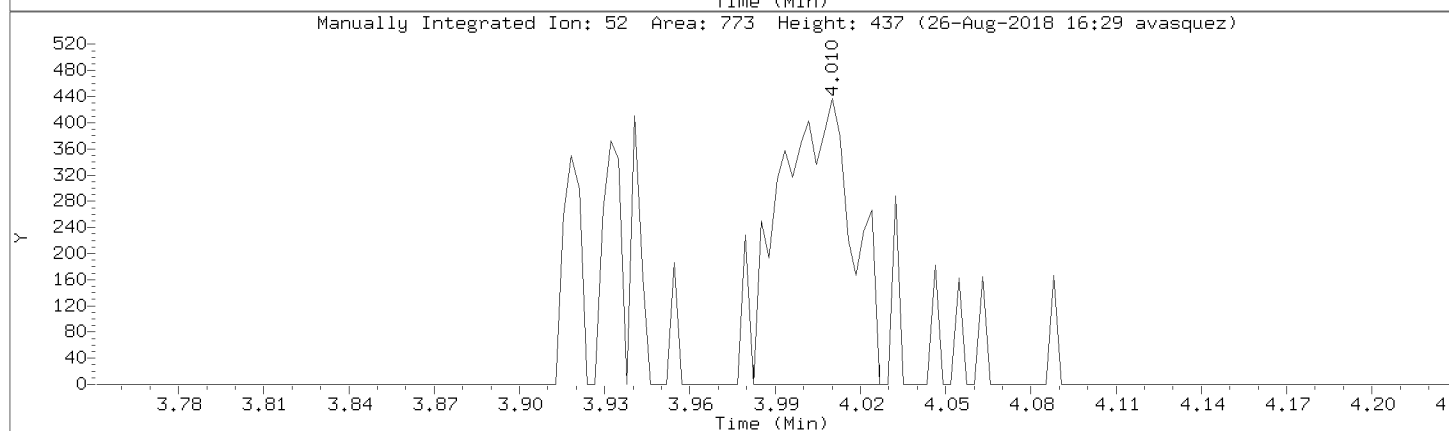
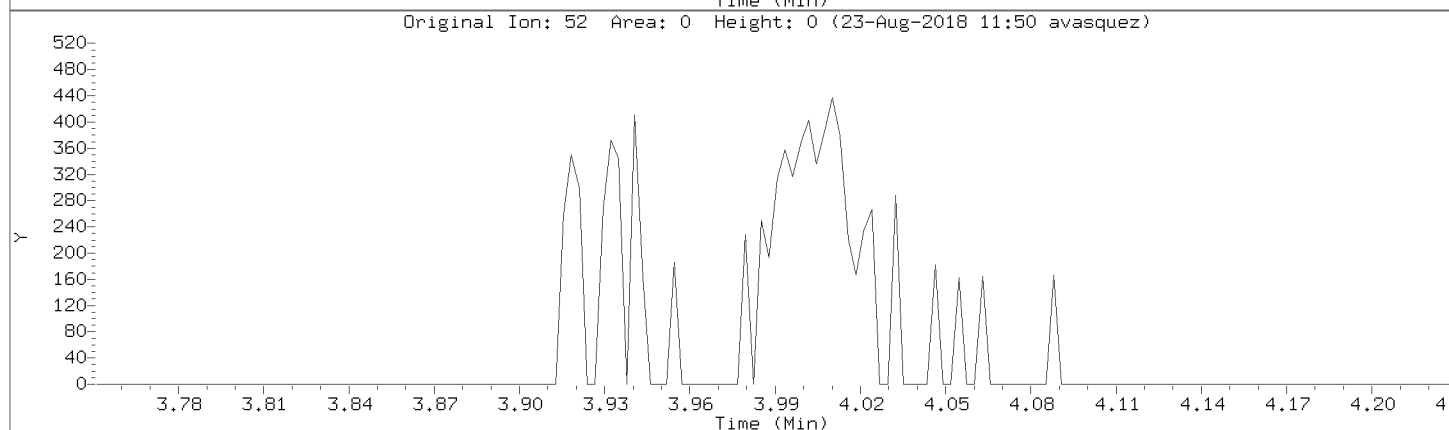
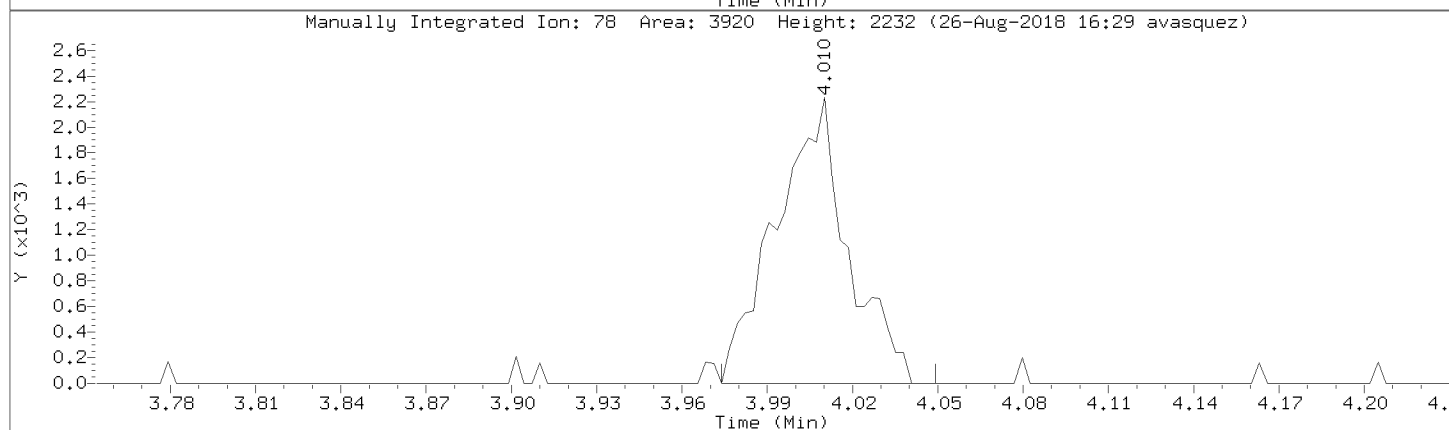
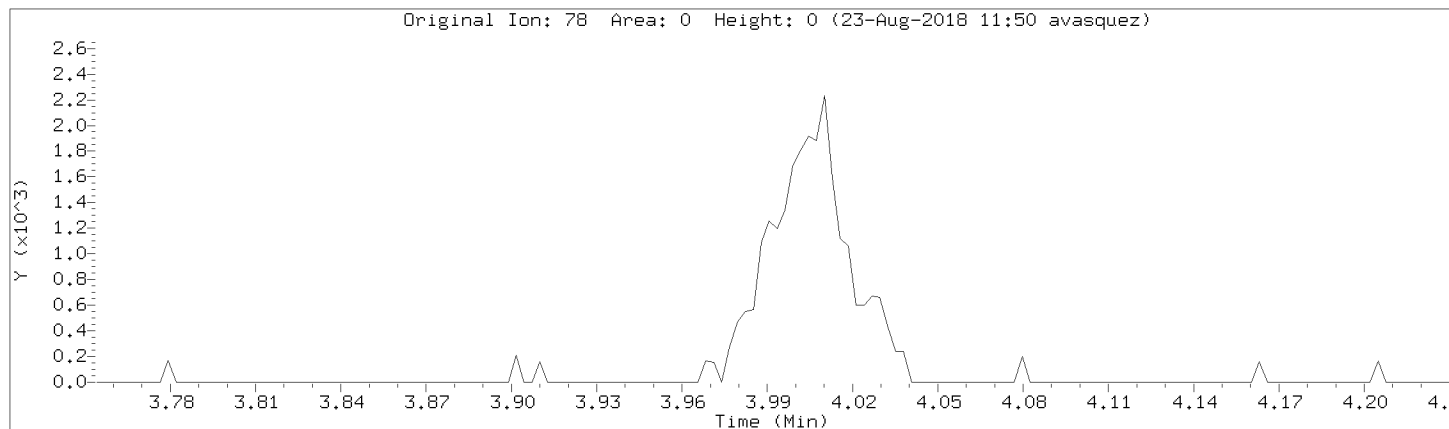
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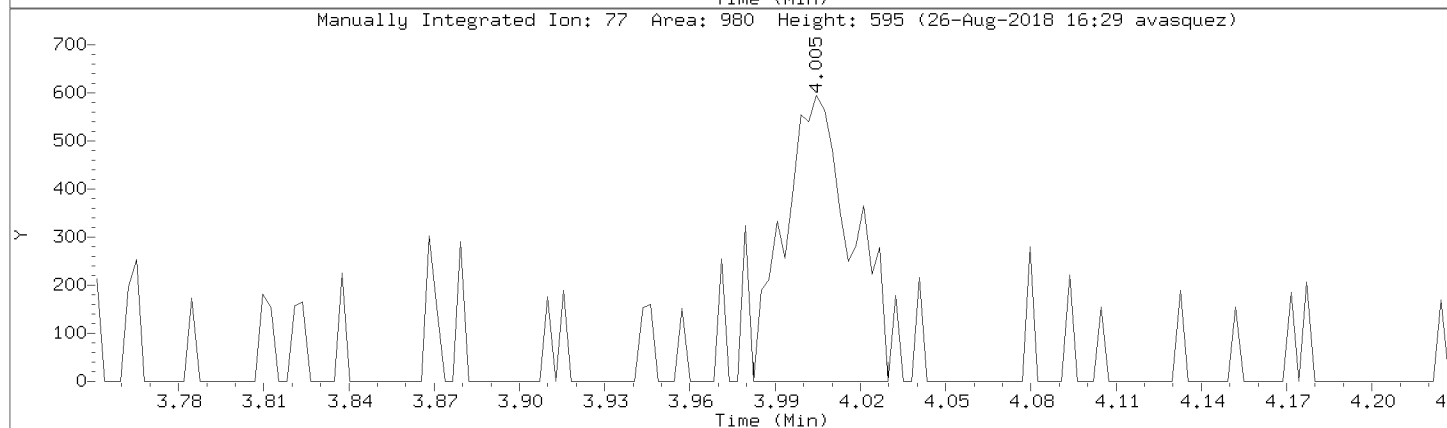
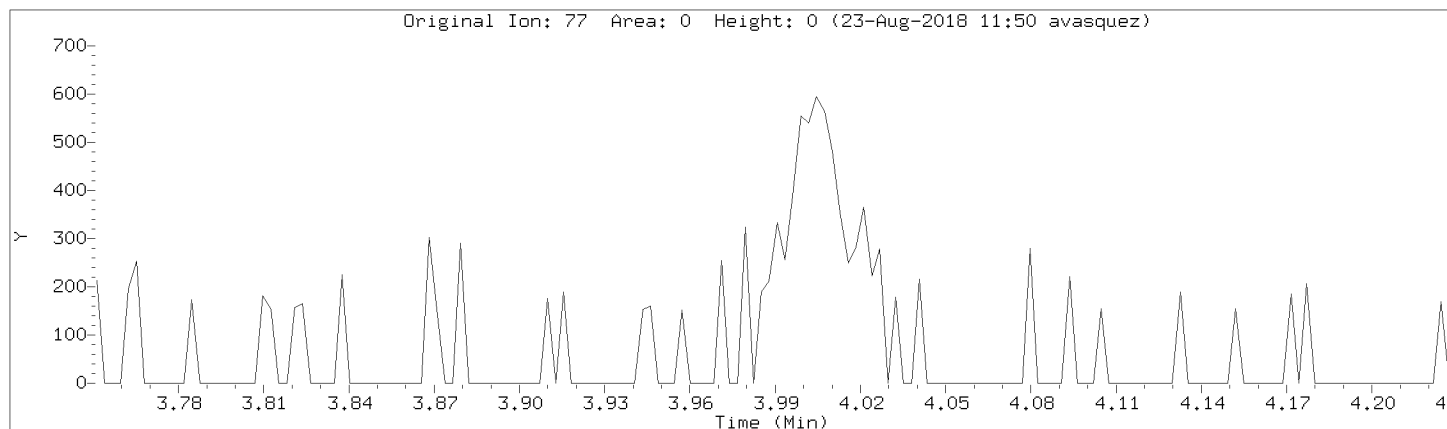
Lab Sample ID: 8260-CAL1

Compound: Benzene Review Code: NI

CAS Number: 71-43-2

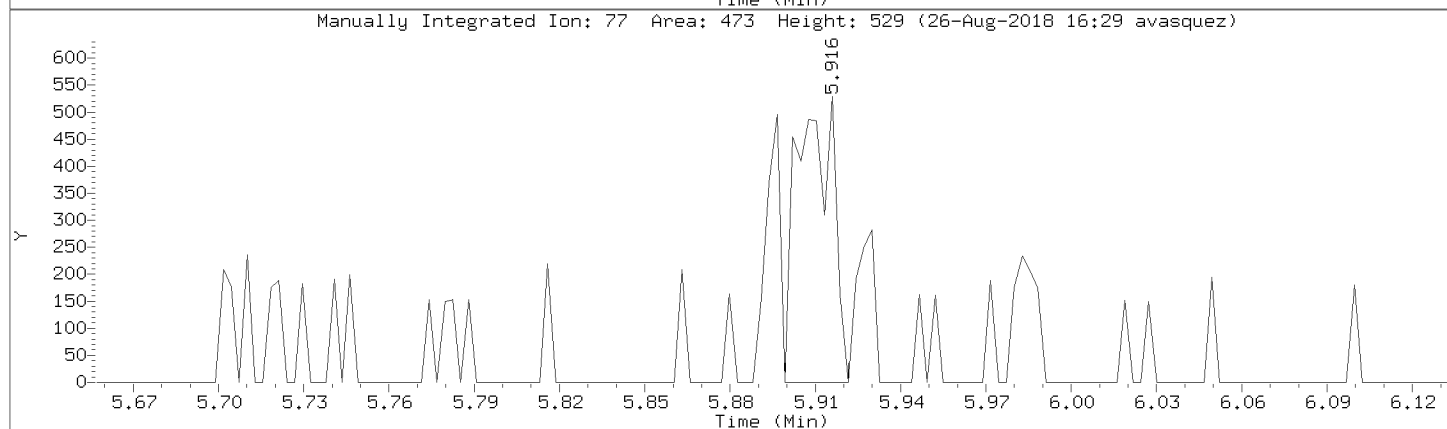
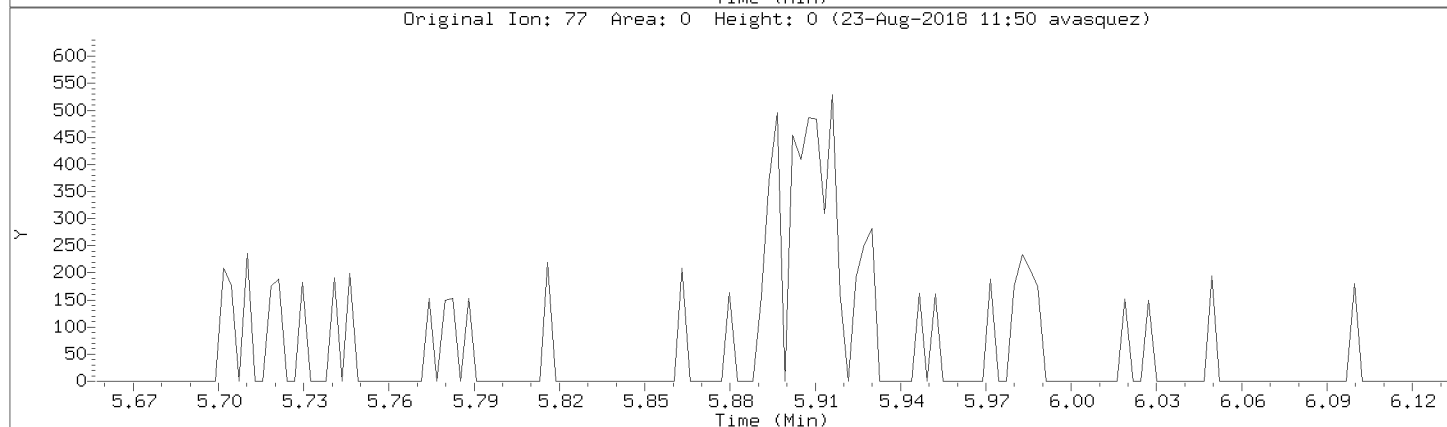
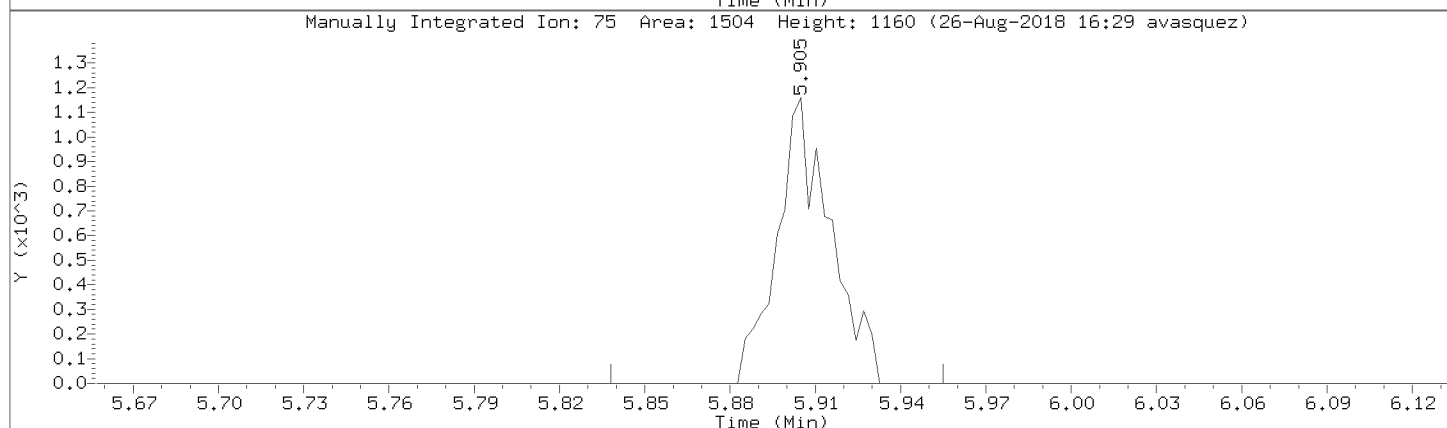
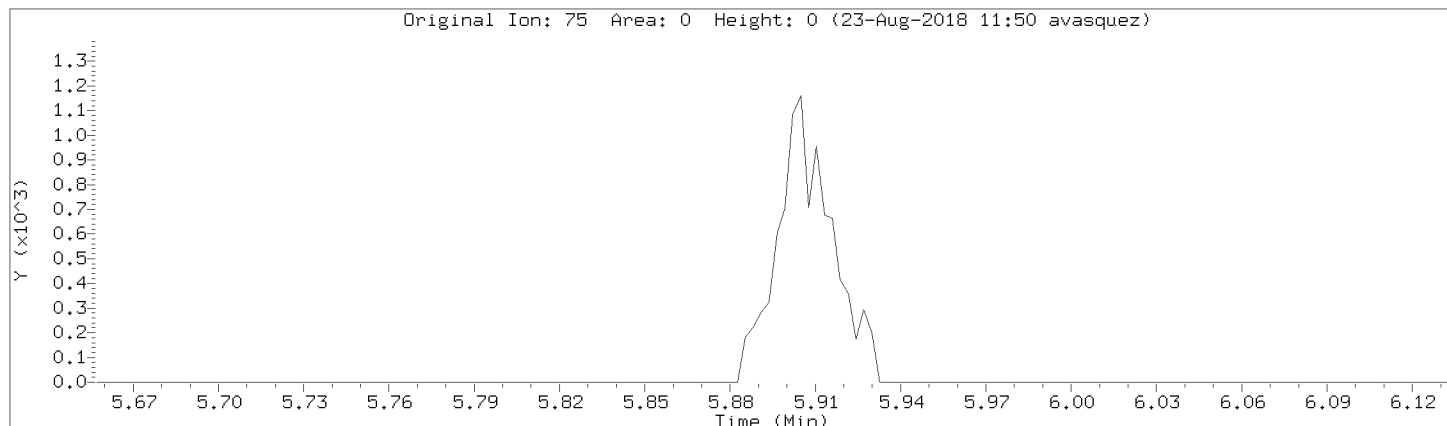


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



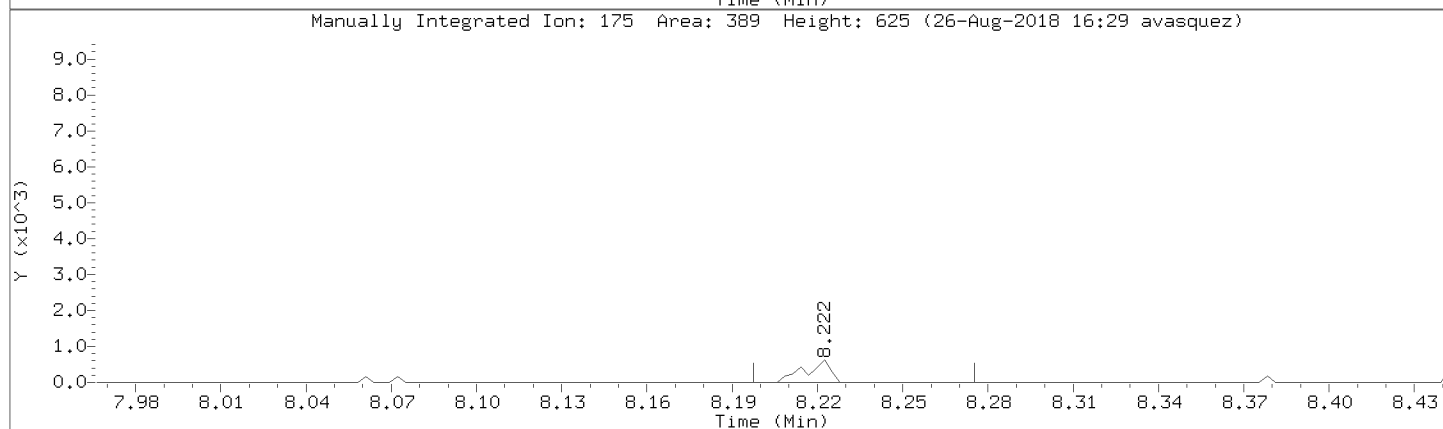
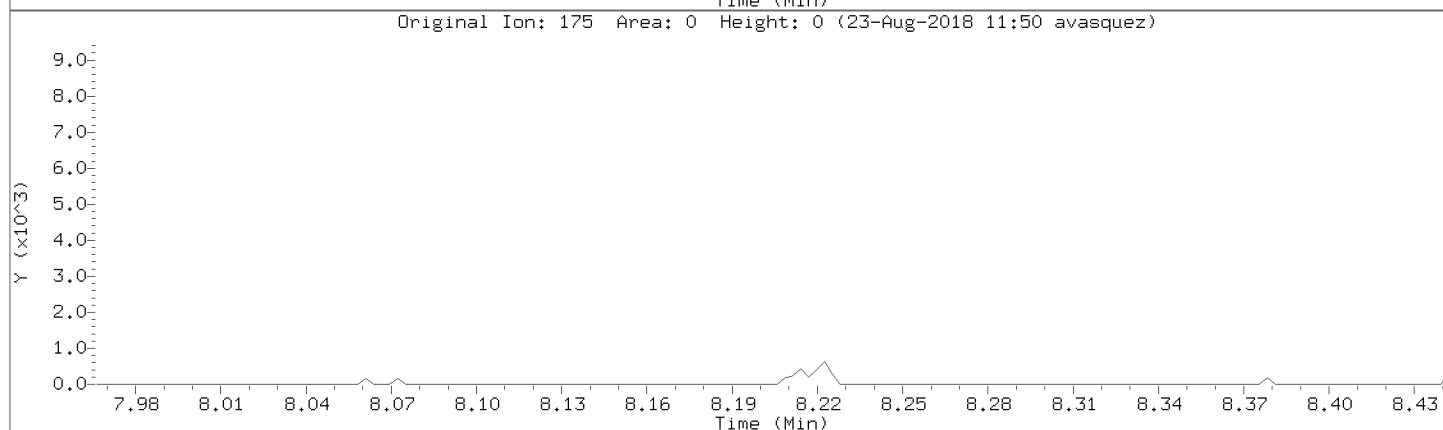
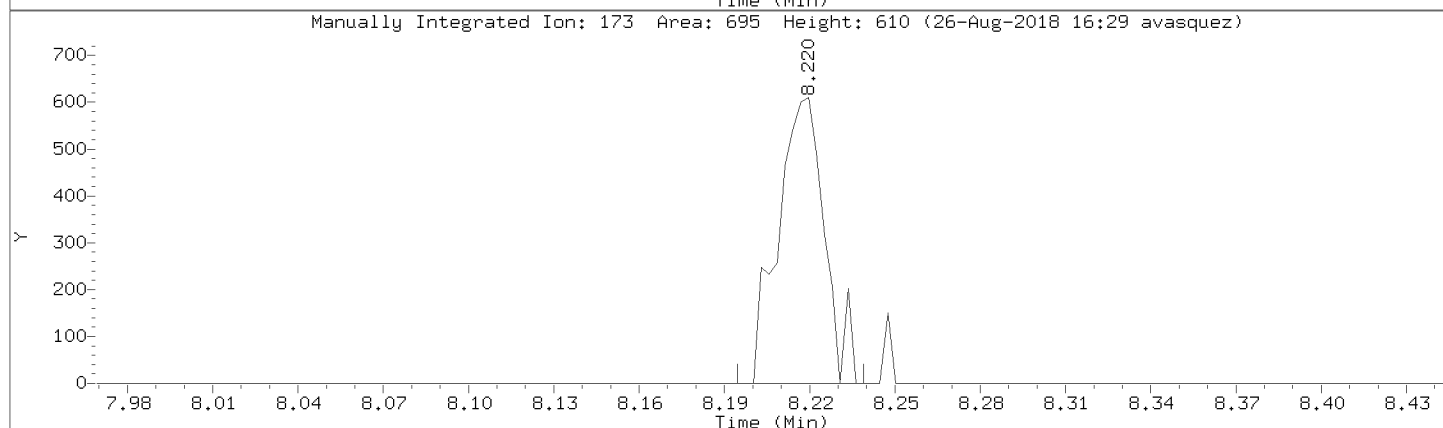
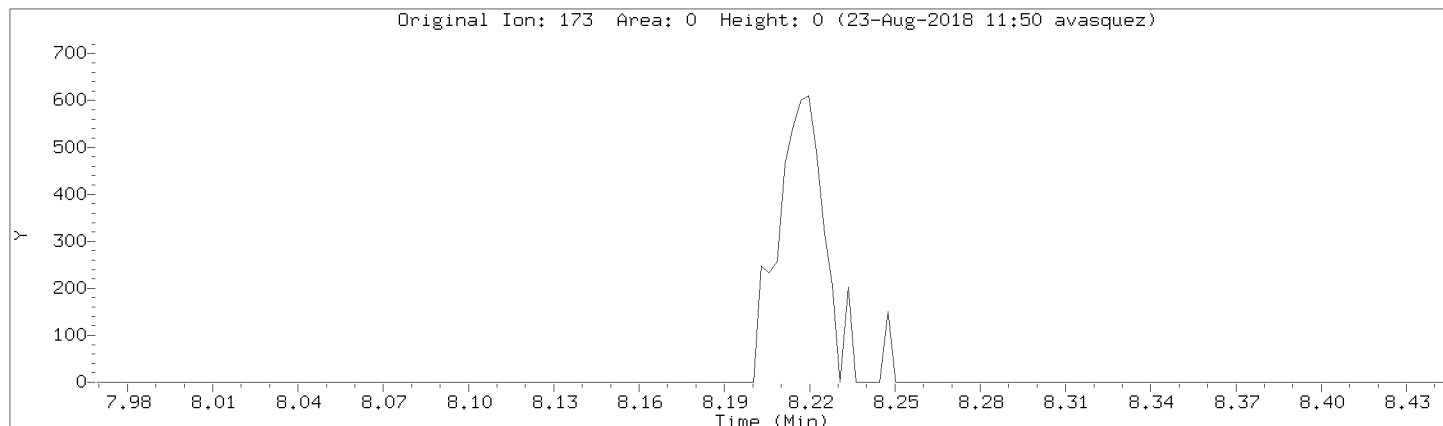
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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: cis-1,3-Dichloropropene Review Code: NI
CAS Number: 10061-01-5

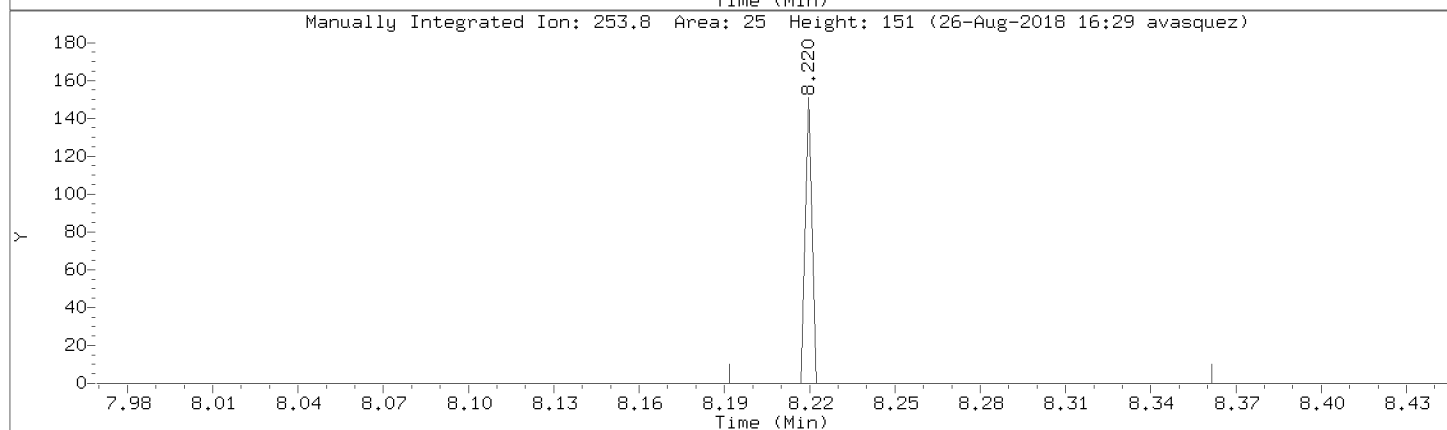
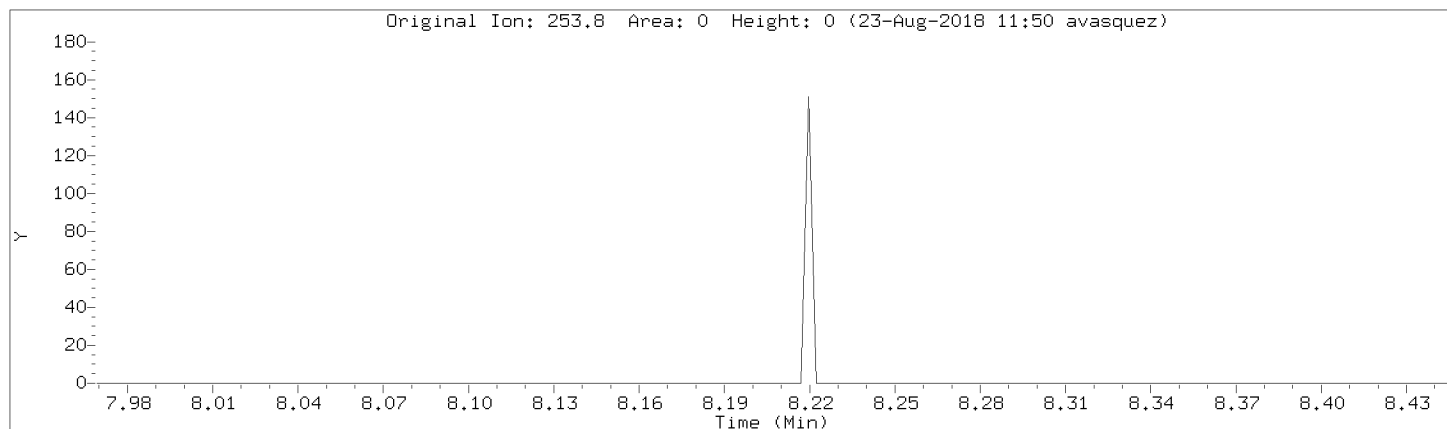


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

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



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

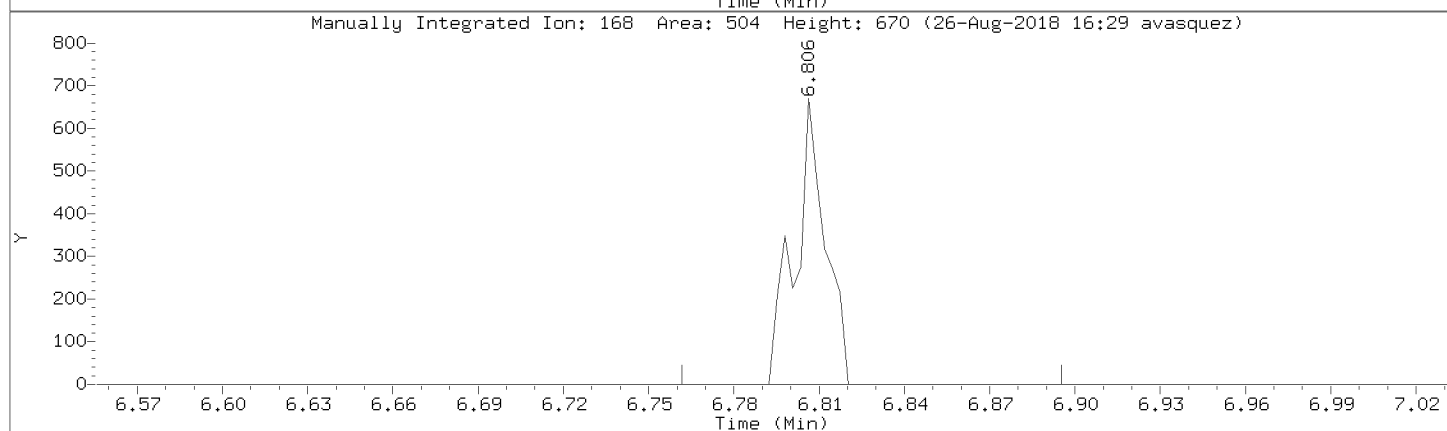
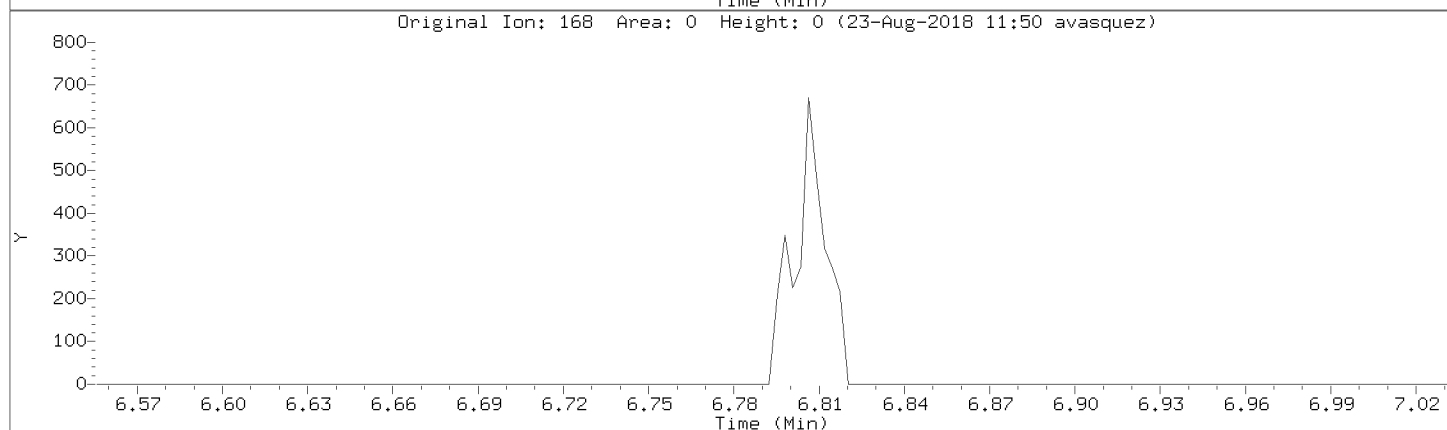
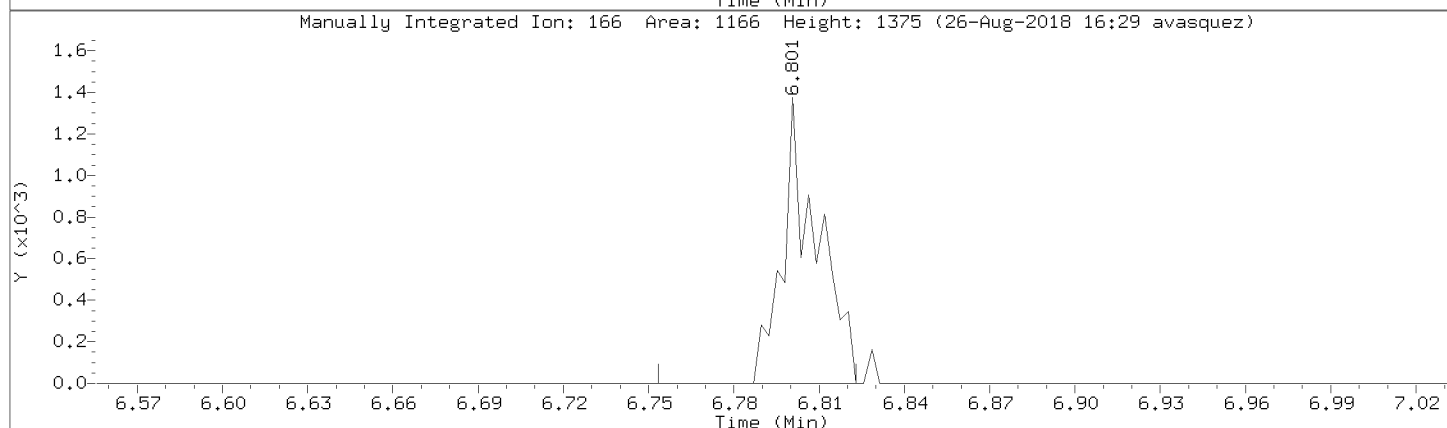
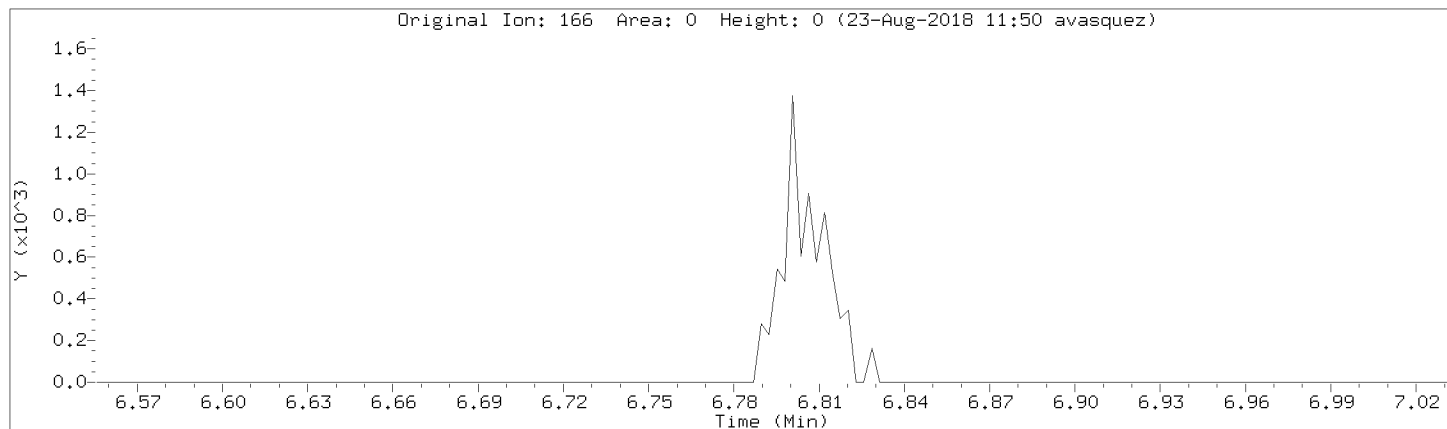
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

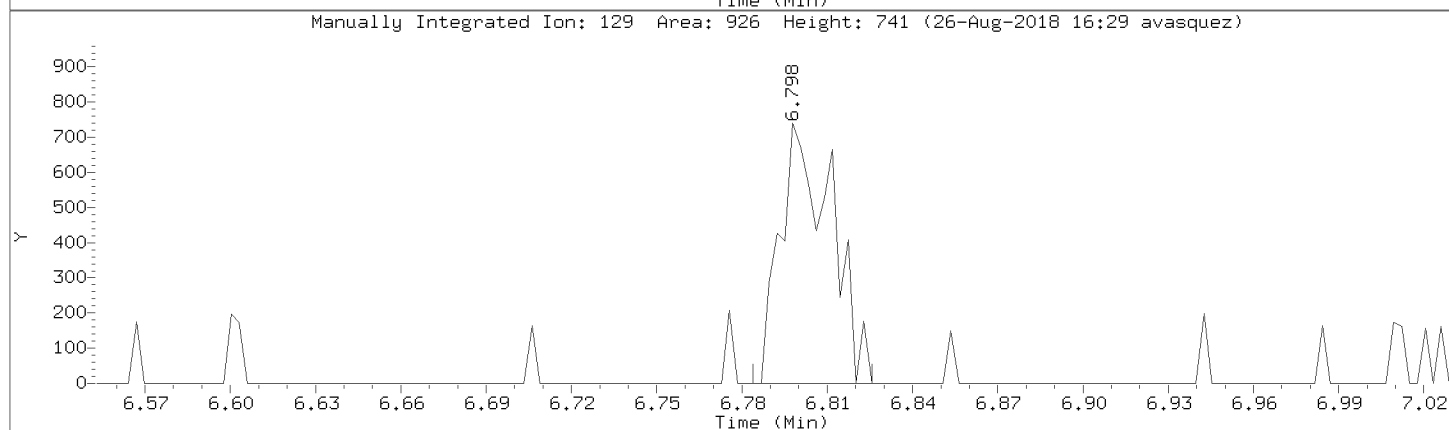
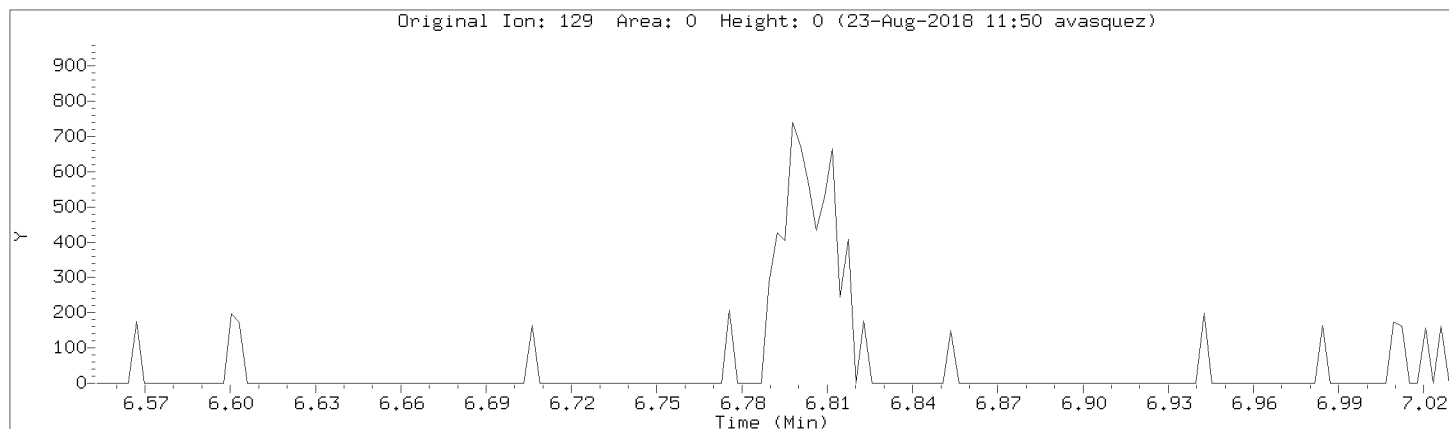
Compound: Tetrachloroethene

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



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

Injection Date: 22-AUG-2018 14:19

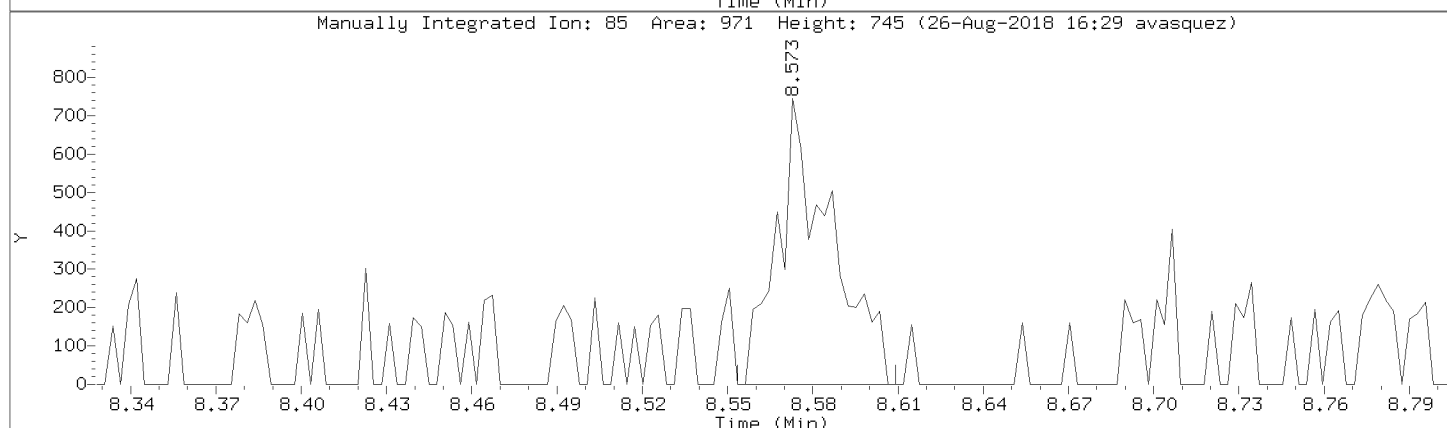
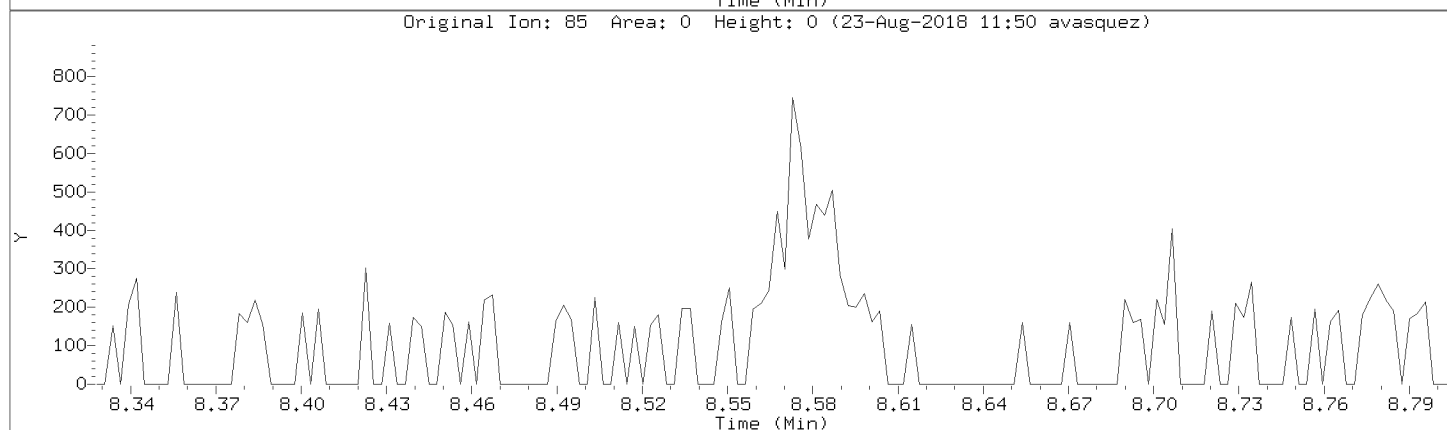
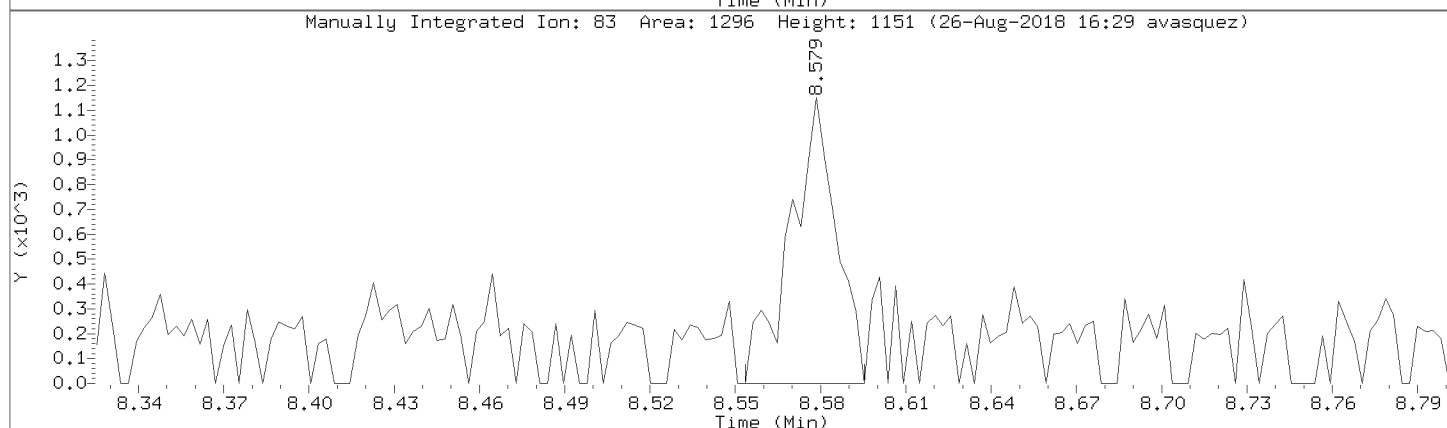
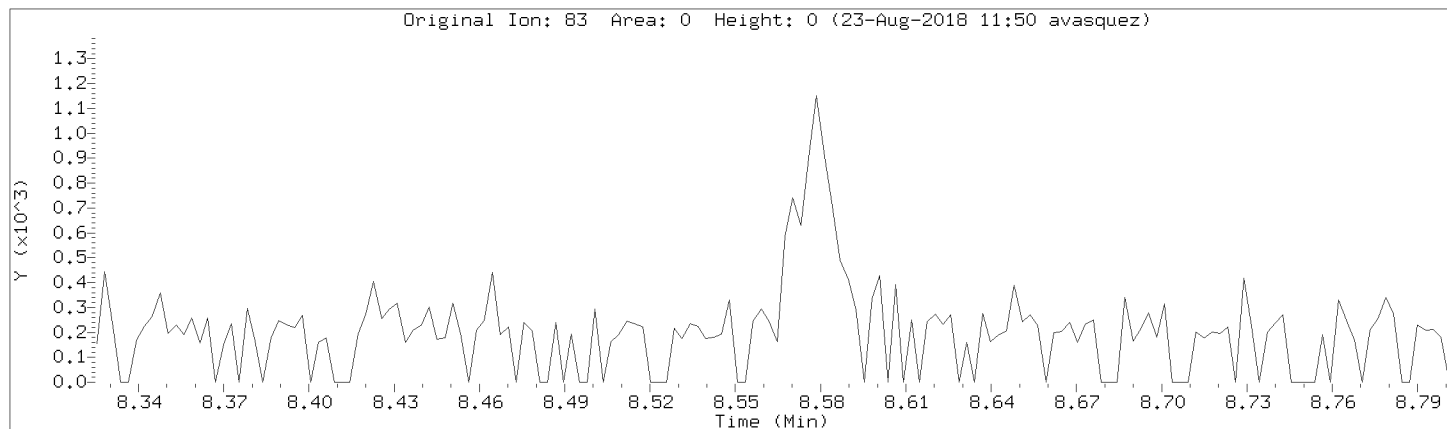
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

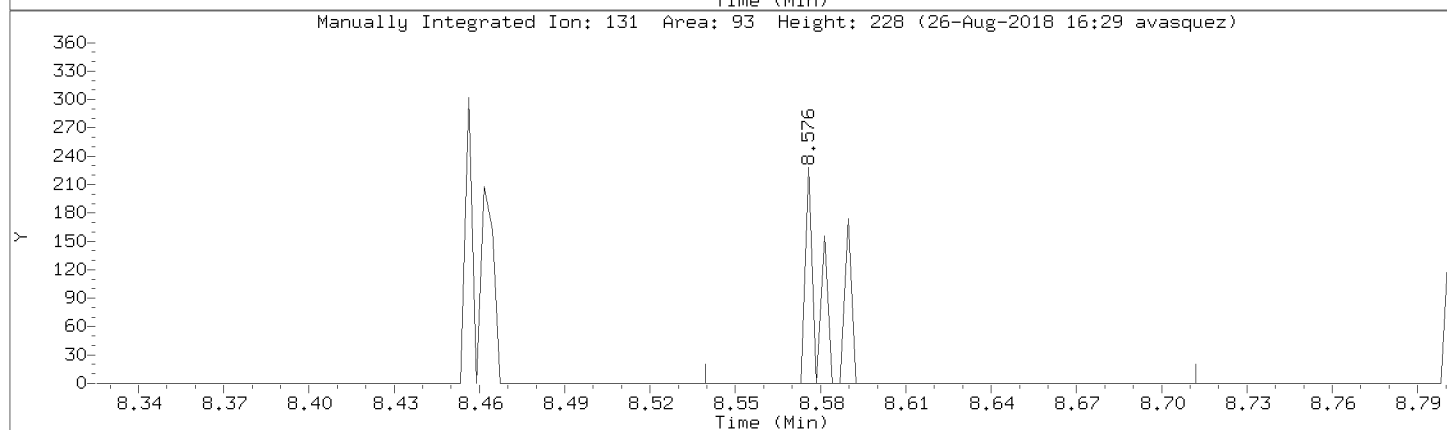
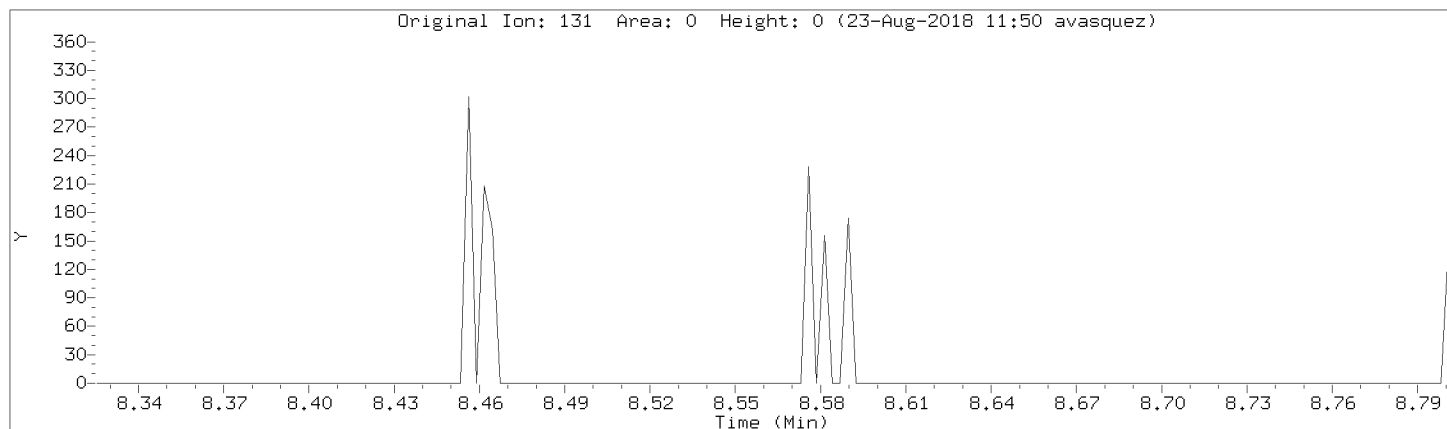
Compound: 1,1,2,2-Tetrachloroethane

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



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

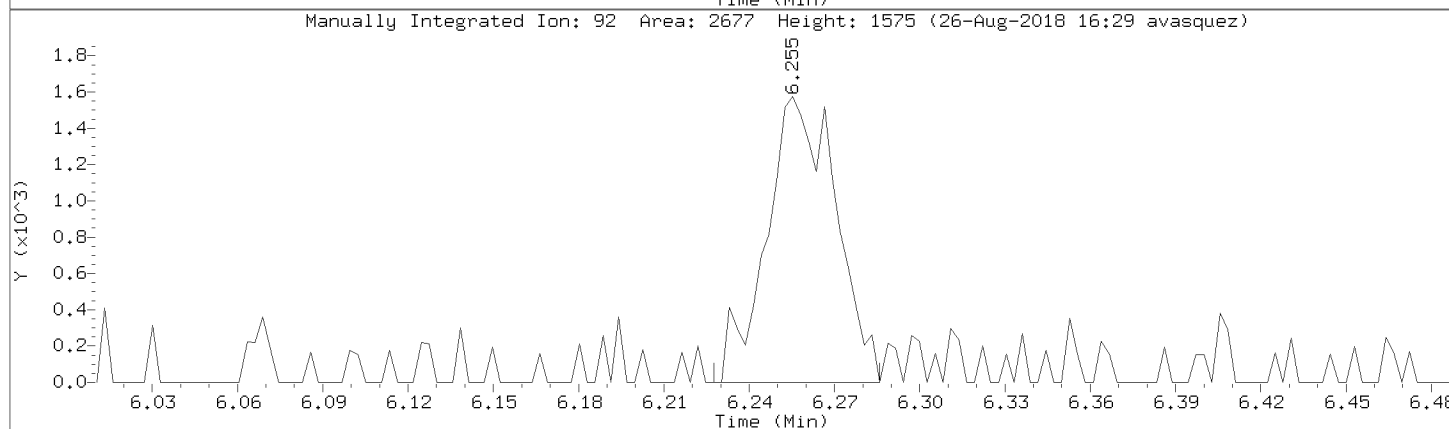
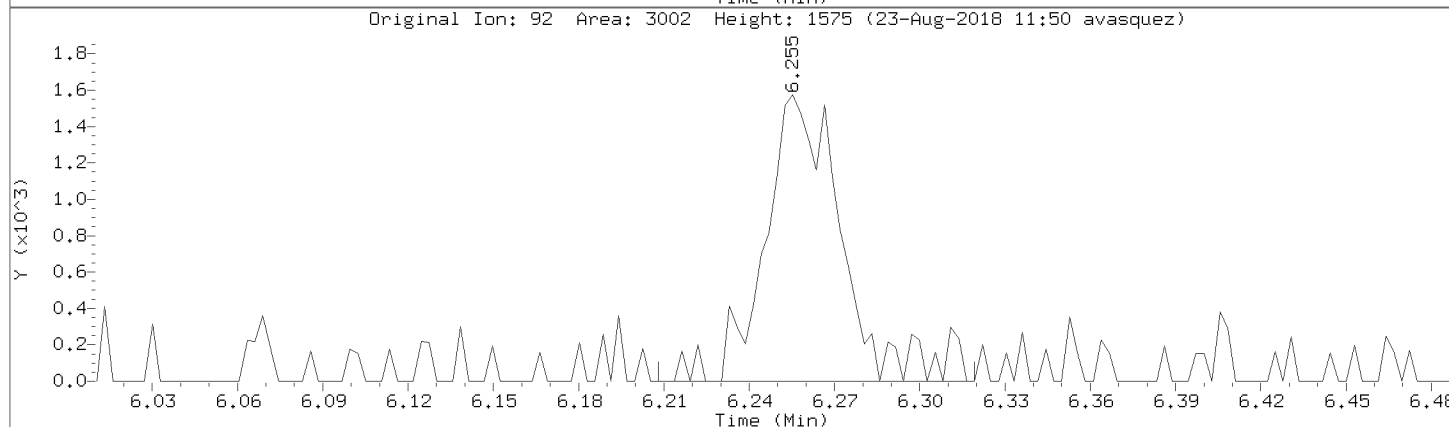
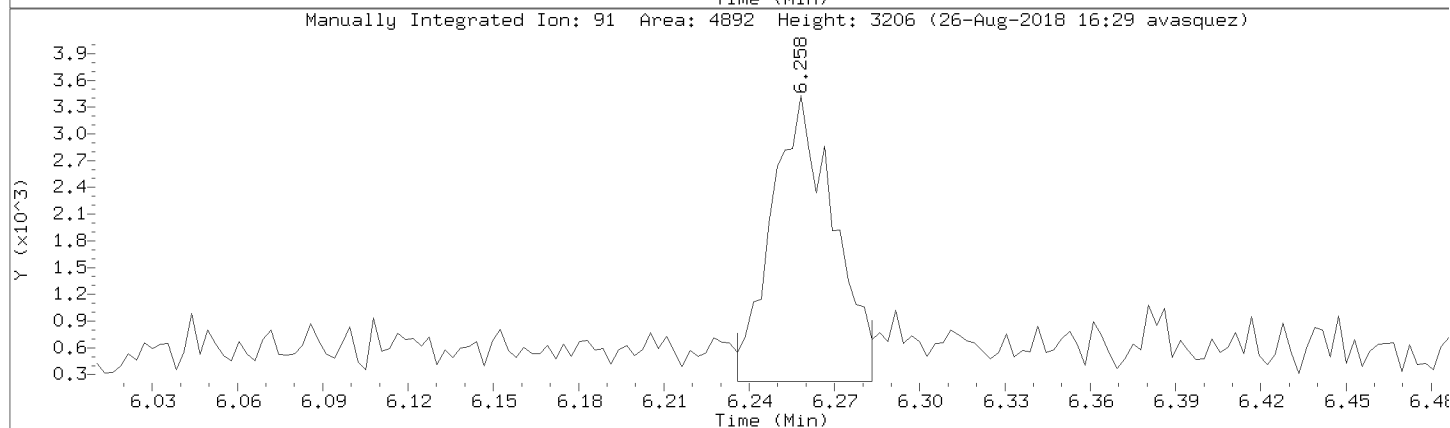
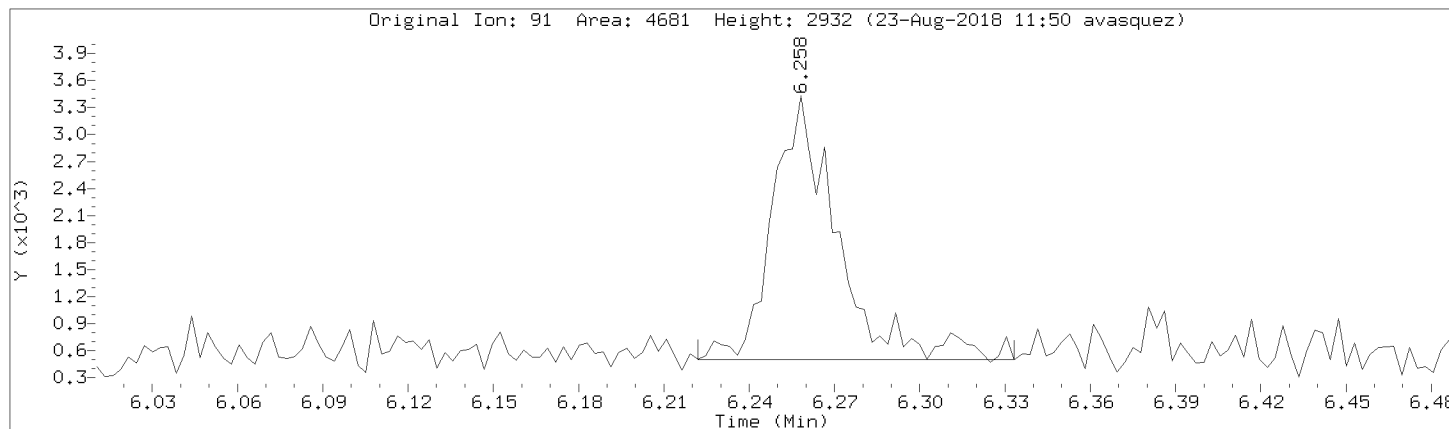
Injection Date: 22-AUG-2018 14:19

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Toluene Review Code:

CAS Number: 108-88-3



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

Injection Date: 22-AUG-2018 14:19

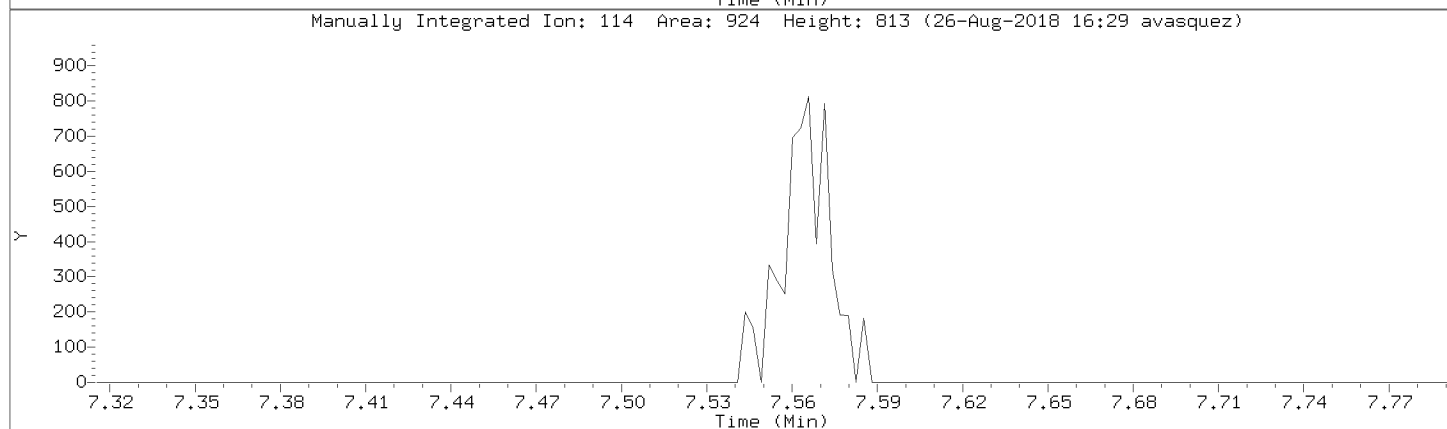
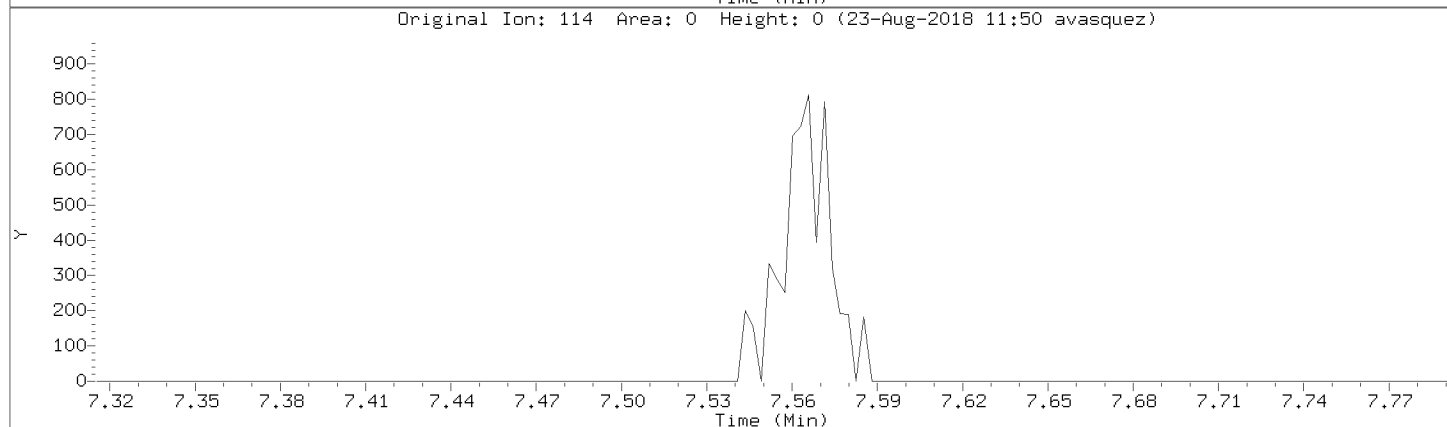
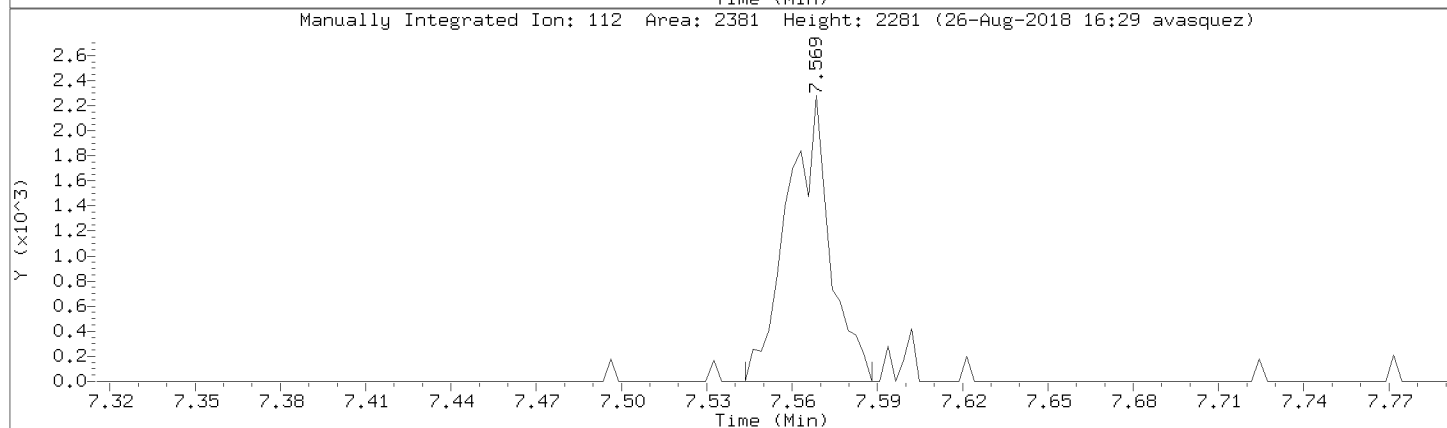
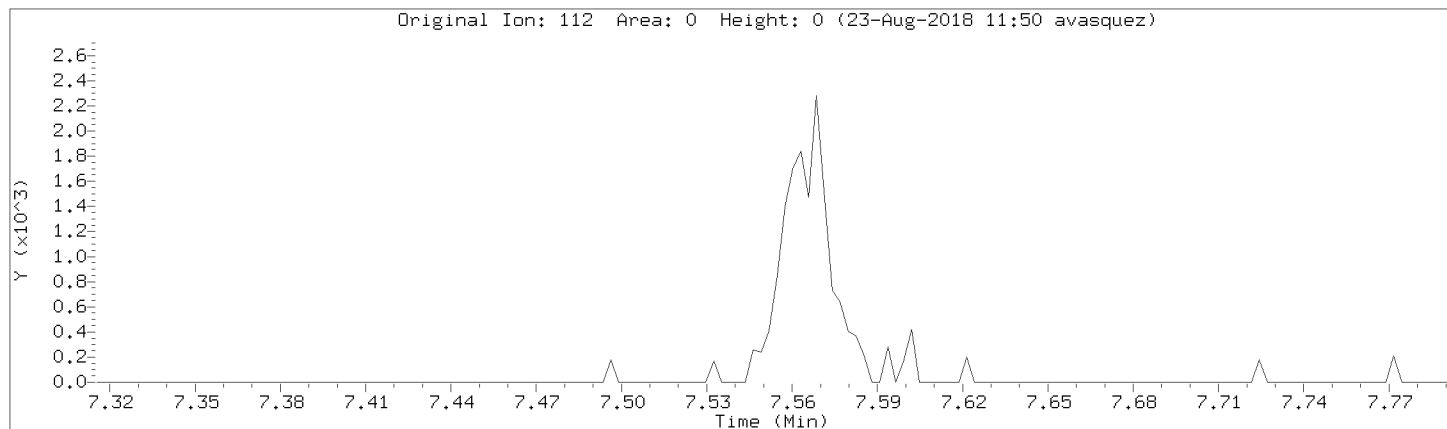
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Chlorobenzene

Review Code: NI

CAS Number: 108-90-7

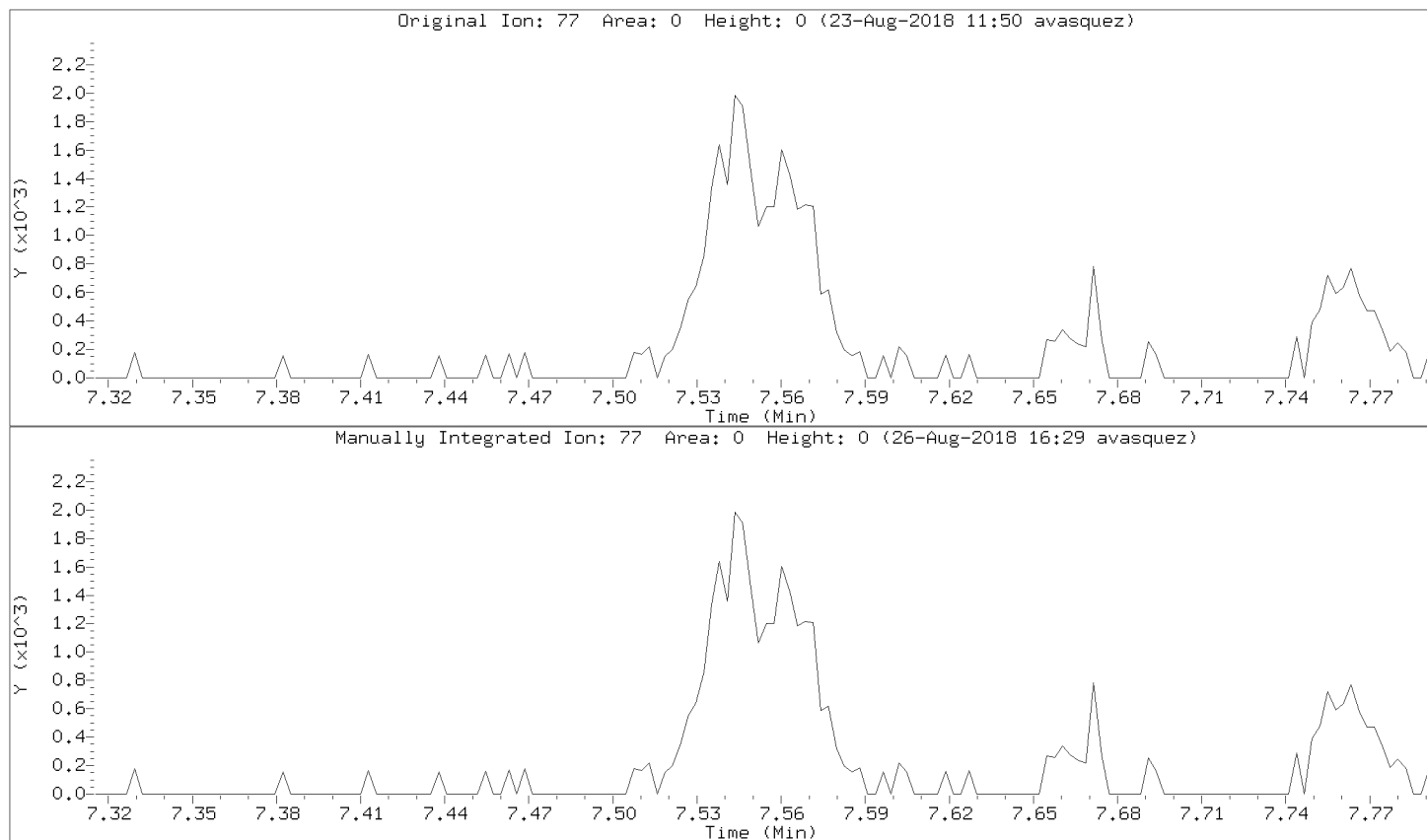


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Injection Date: 22-AUG-2018 14:19

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1



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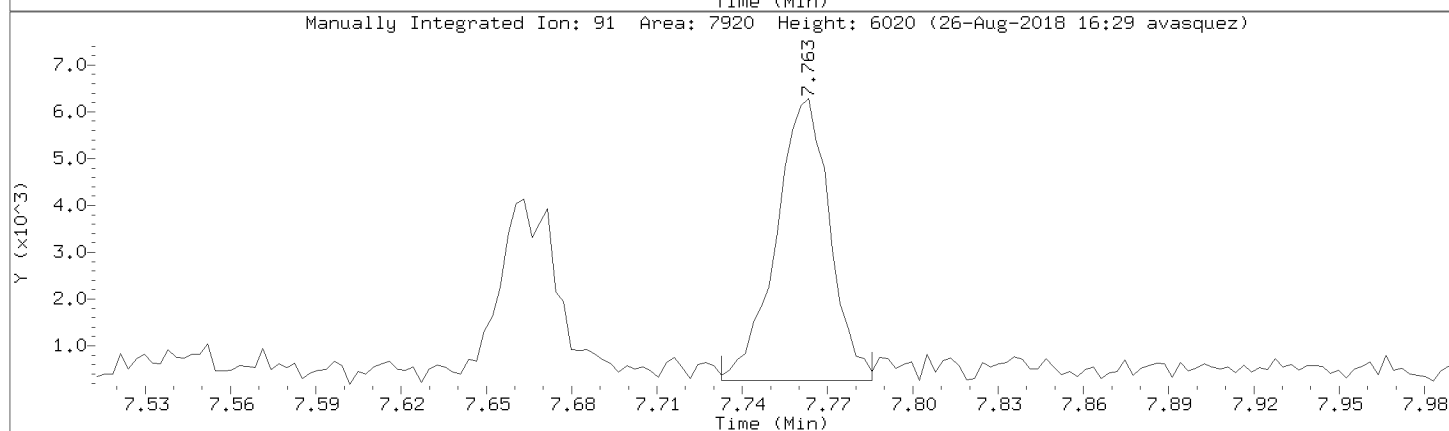
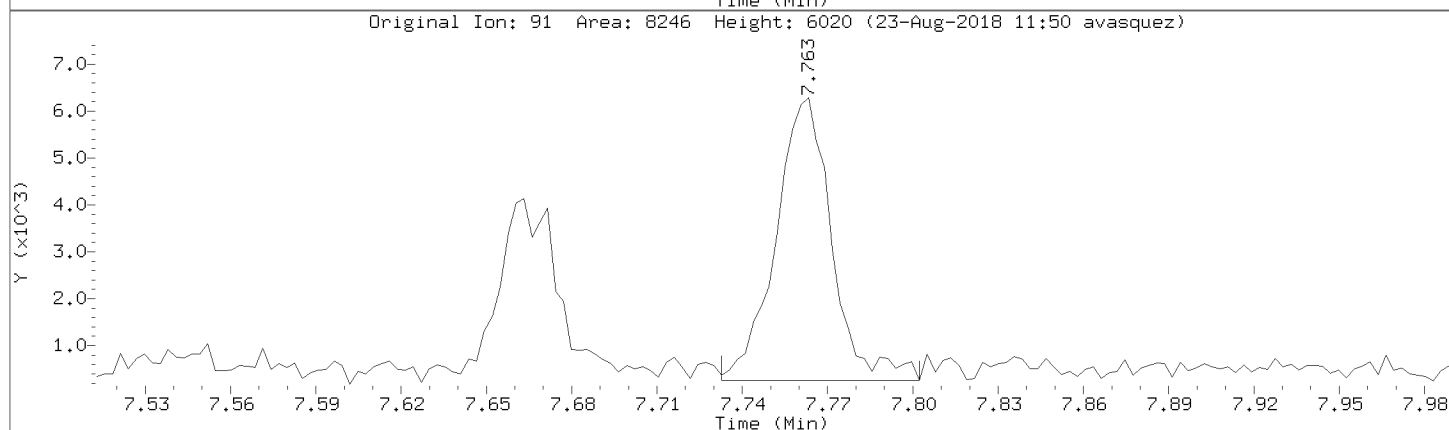
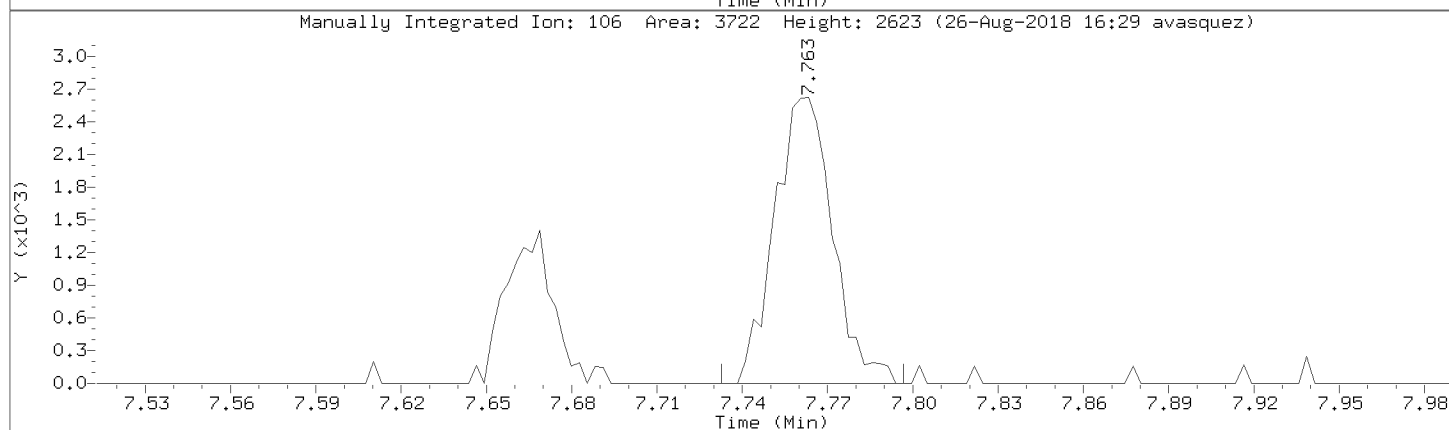
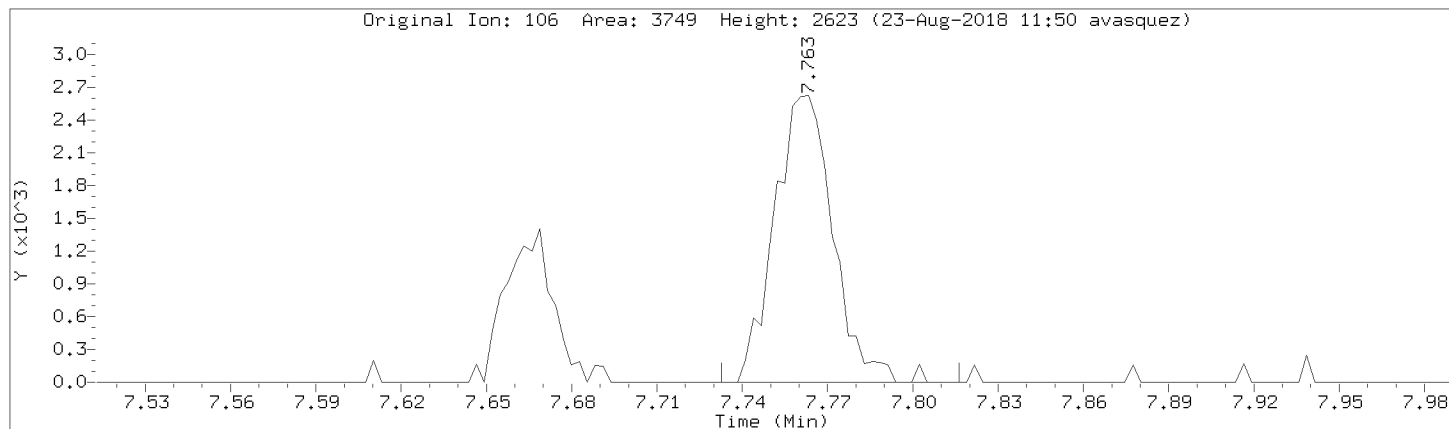
Injection Date: 22-AUG-2018 14:19

Instrument: 50mv2a.i

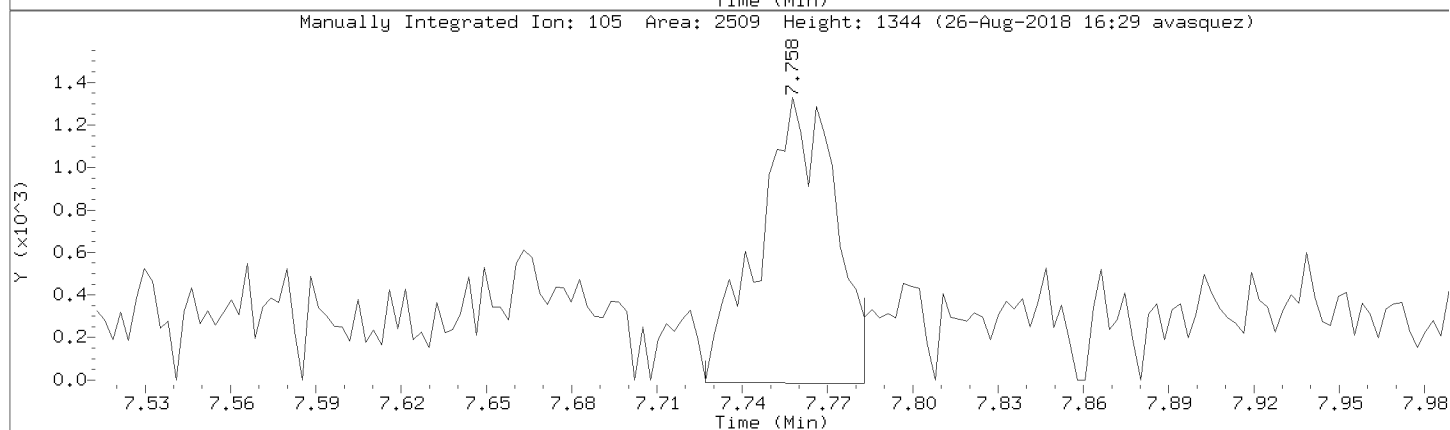
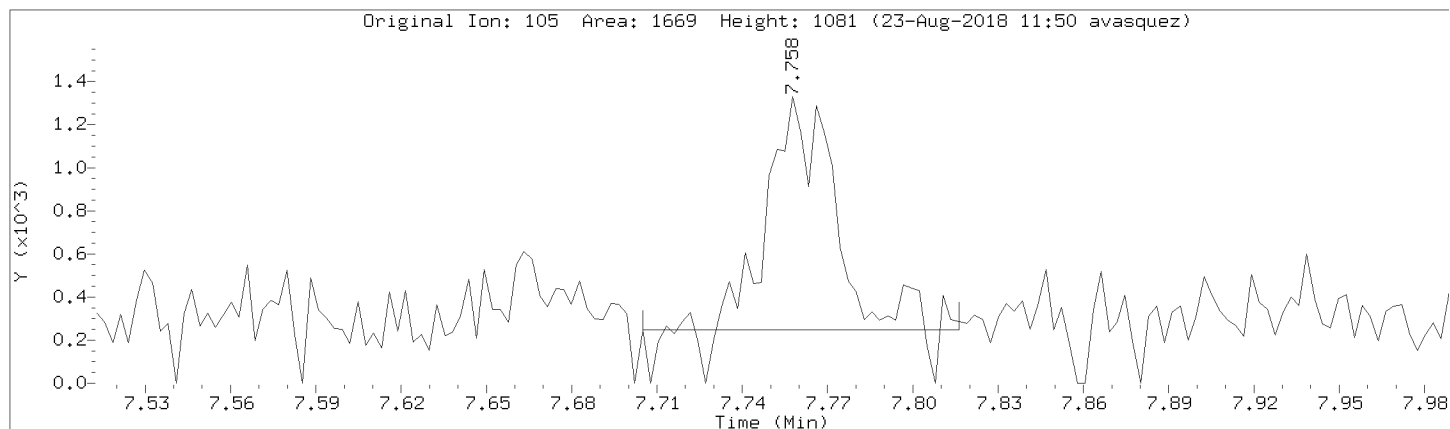
Lab Sample ID: 8260-CAL1

Compound: m&p-Xylene Review Code: NI

CAS Number: 7816-60-0

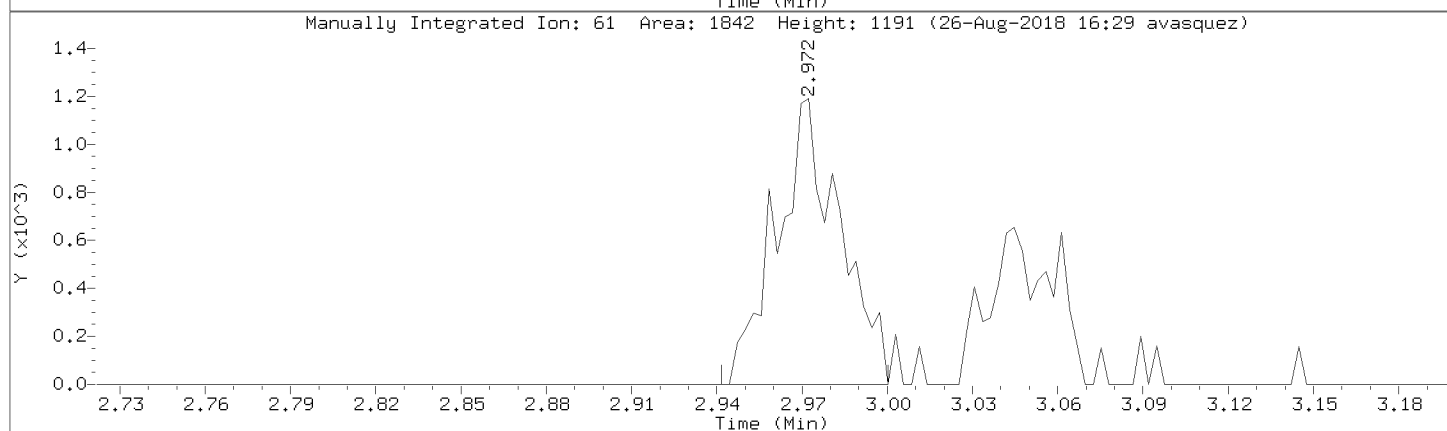
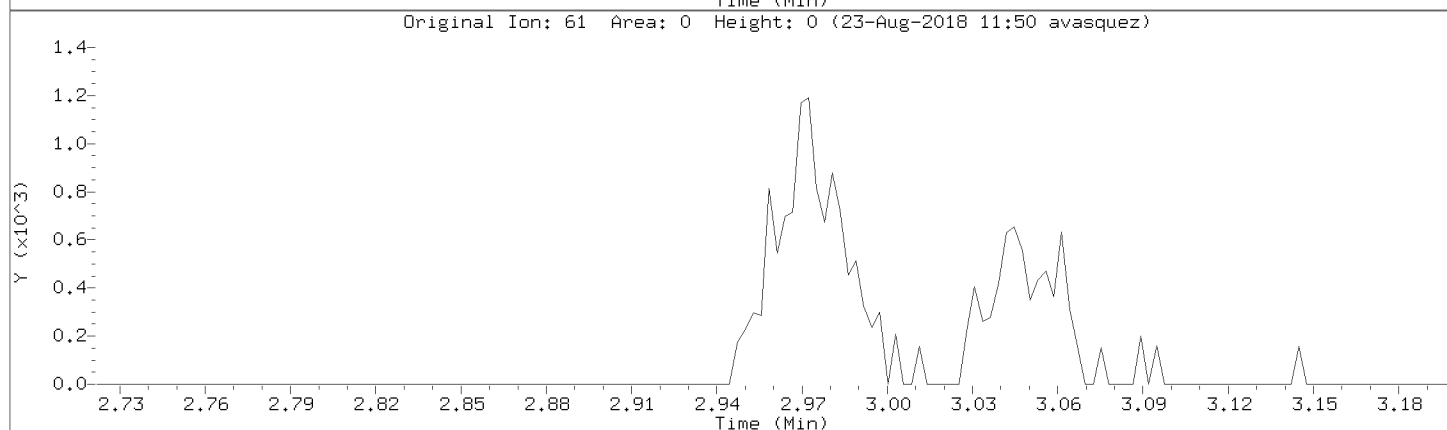
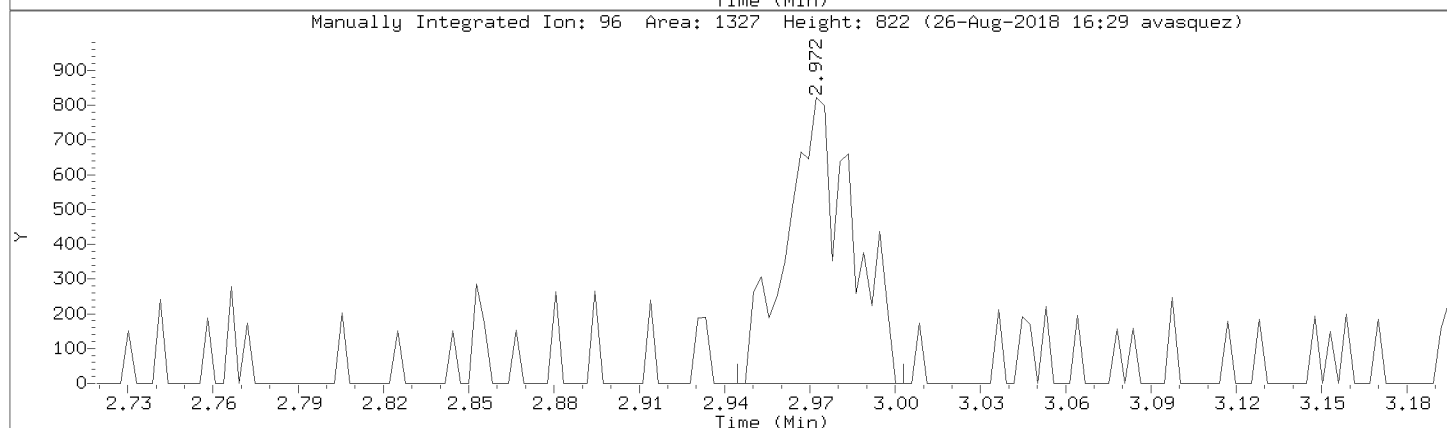
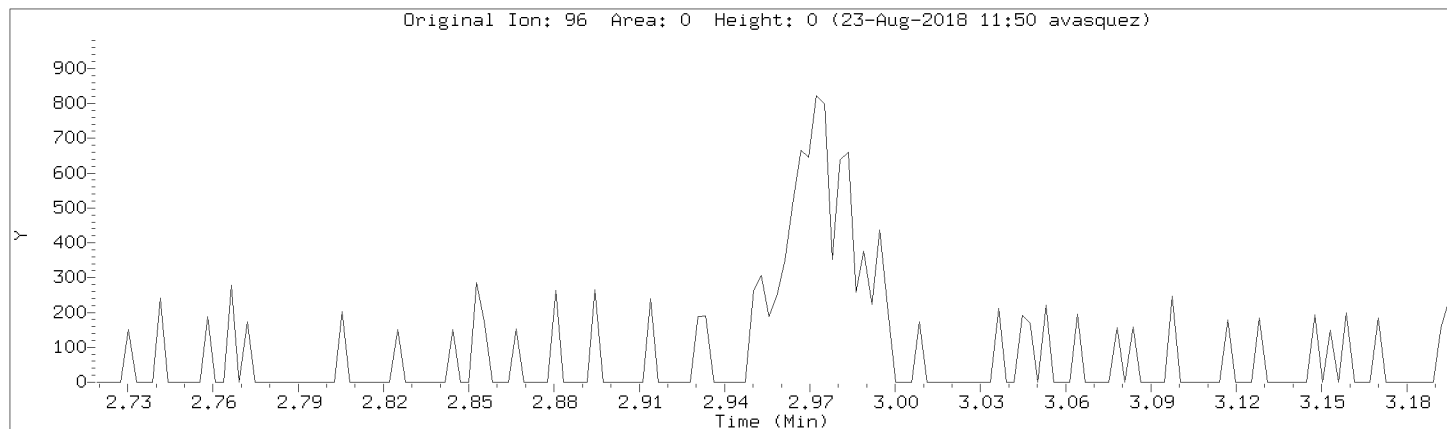


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Injection Date: 22-AUG-2018 14:19
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Lab Sample ID: 8260-CAL1

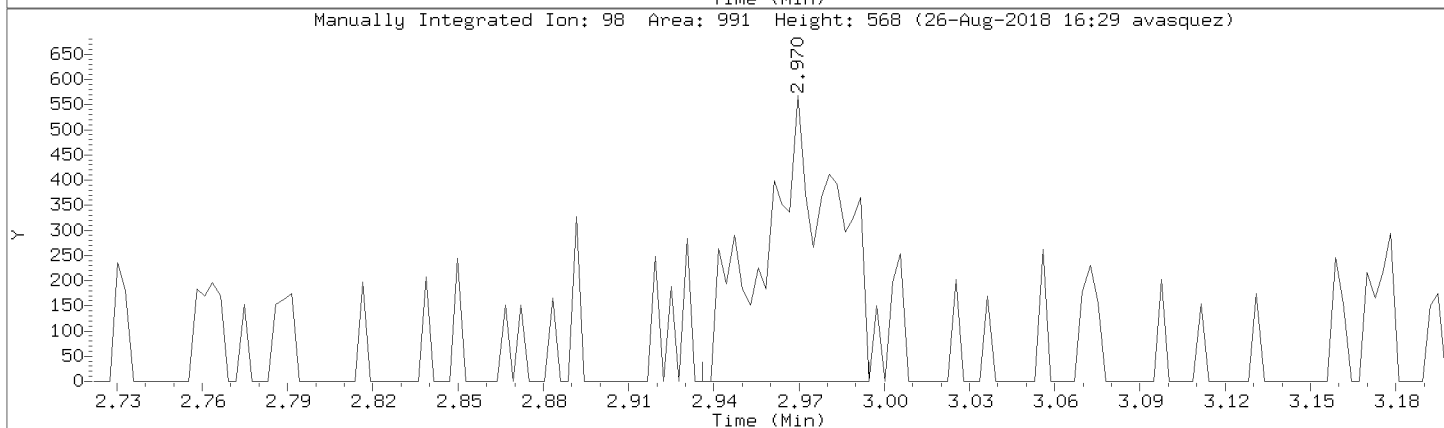
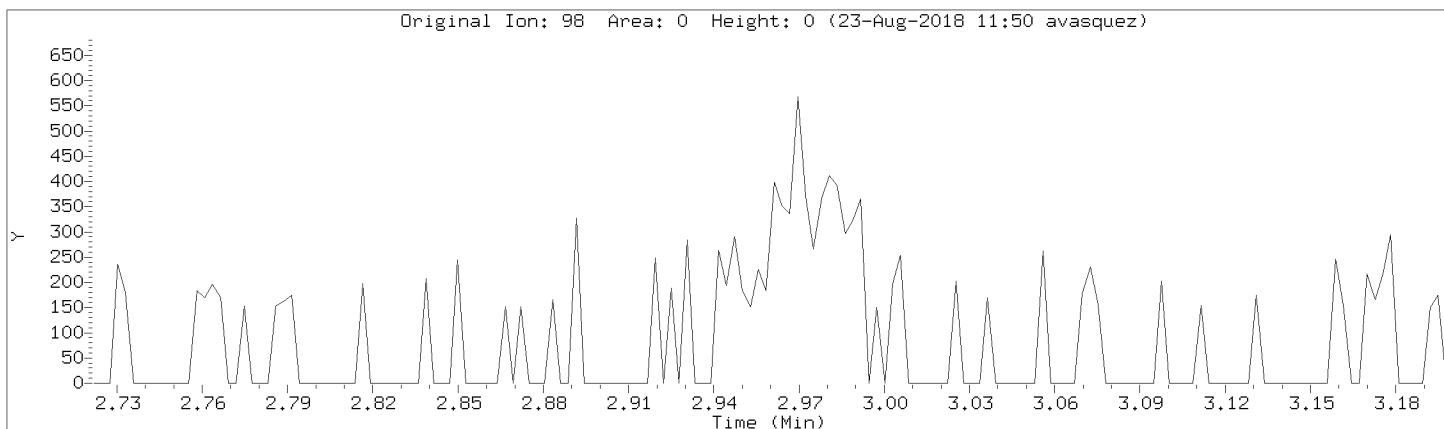


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: 1,2-Dichloroethene (cis) Review Code: NI
CAS Number: 156-59-2



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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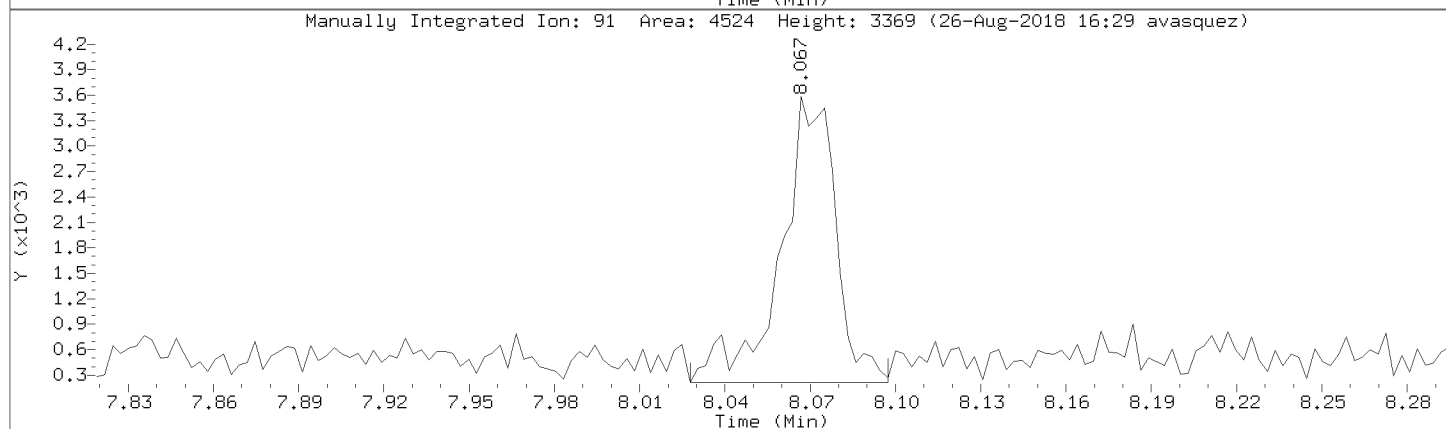
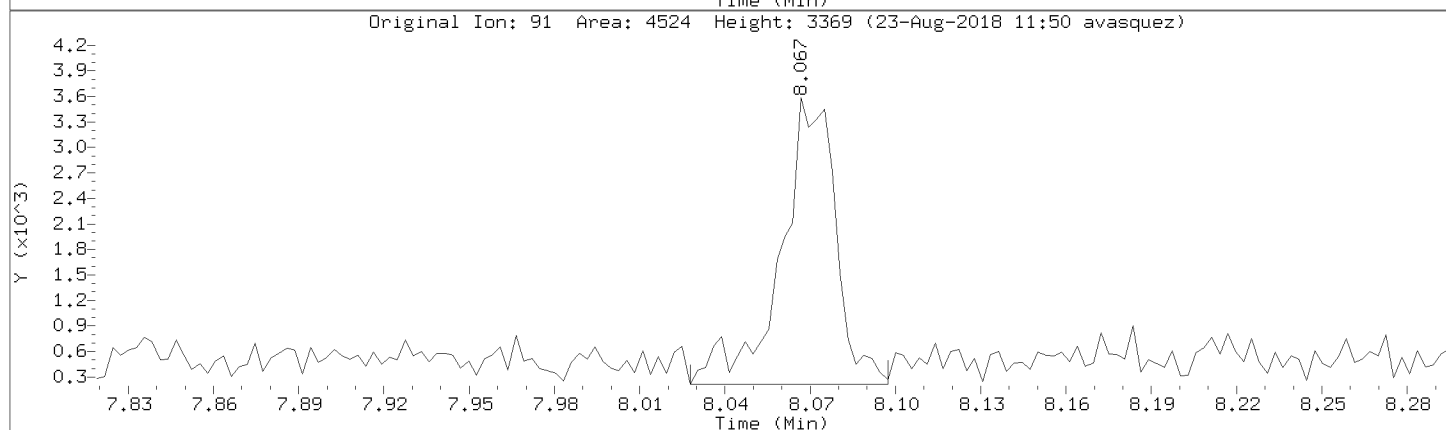
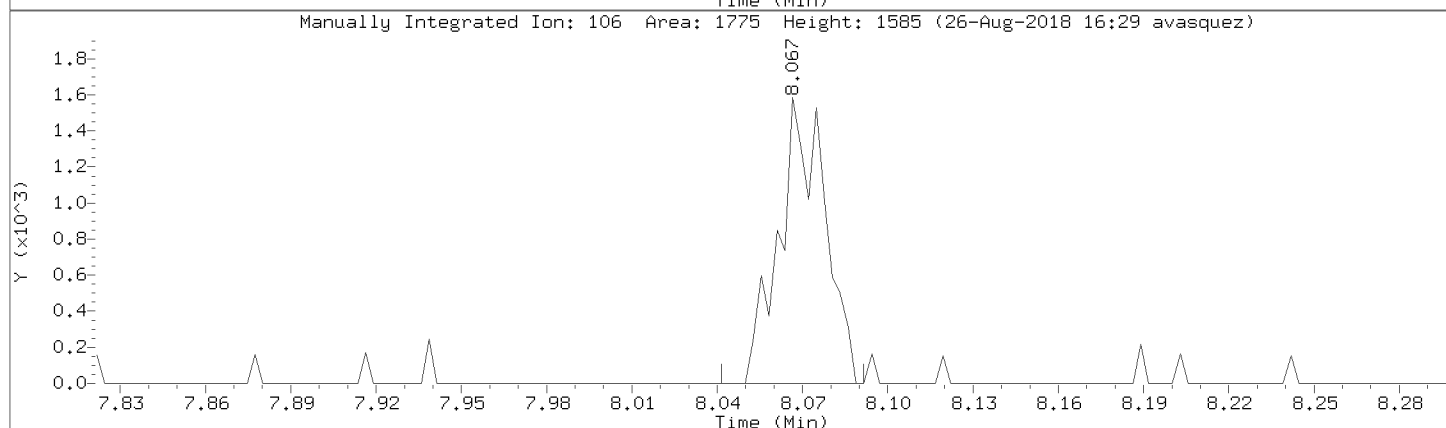
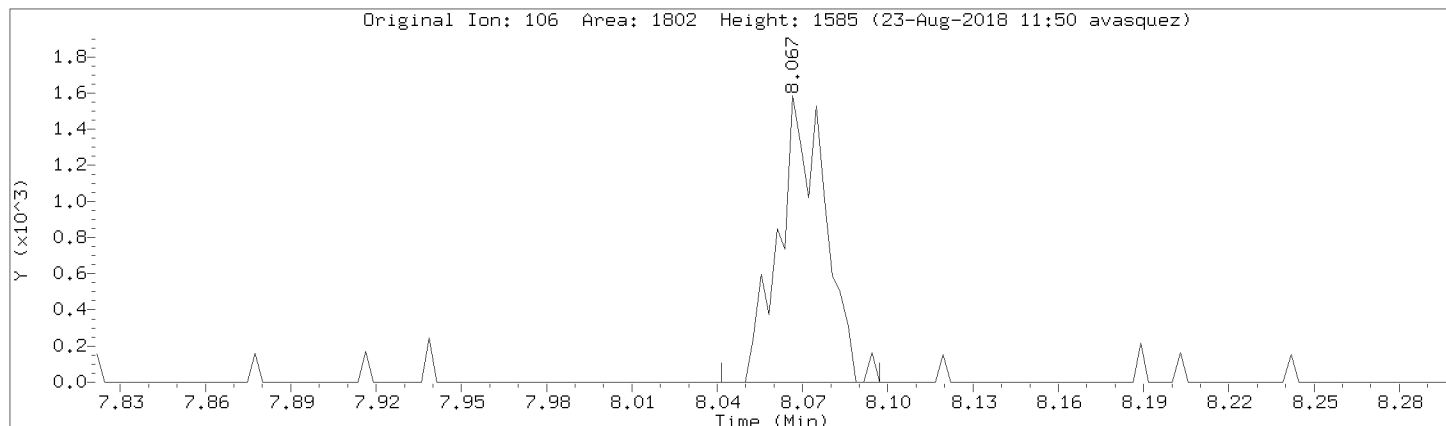
Injection Date: 22-AUG-2018 14:19

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: o-Xylene Review Code: NI

CAS Number: 95-47-6

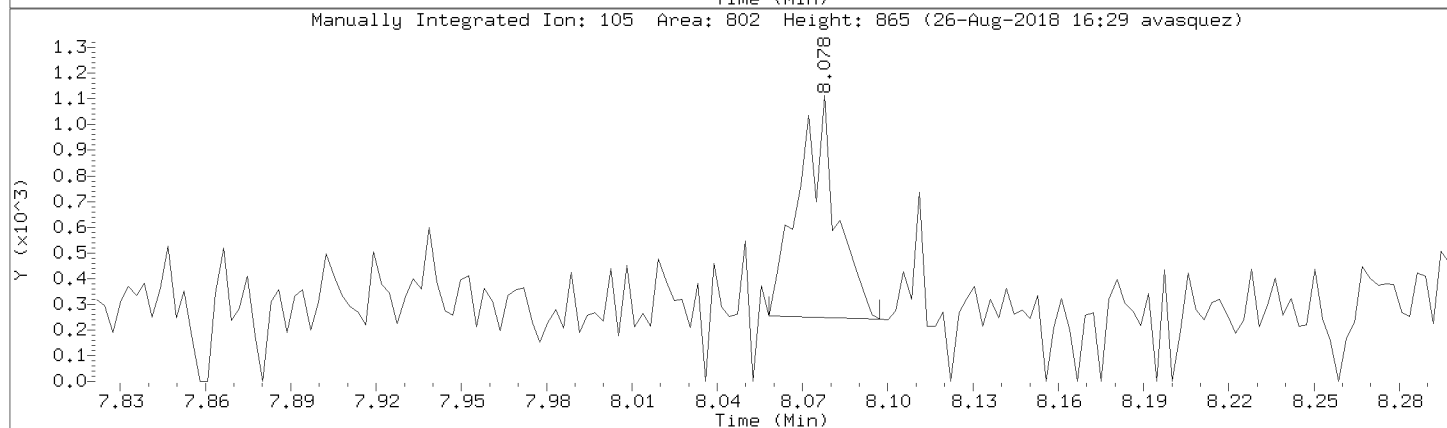
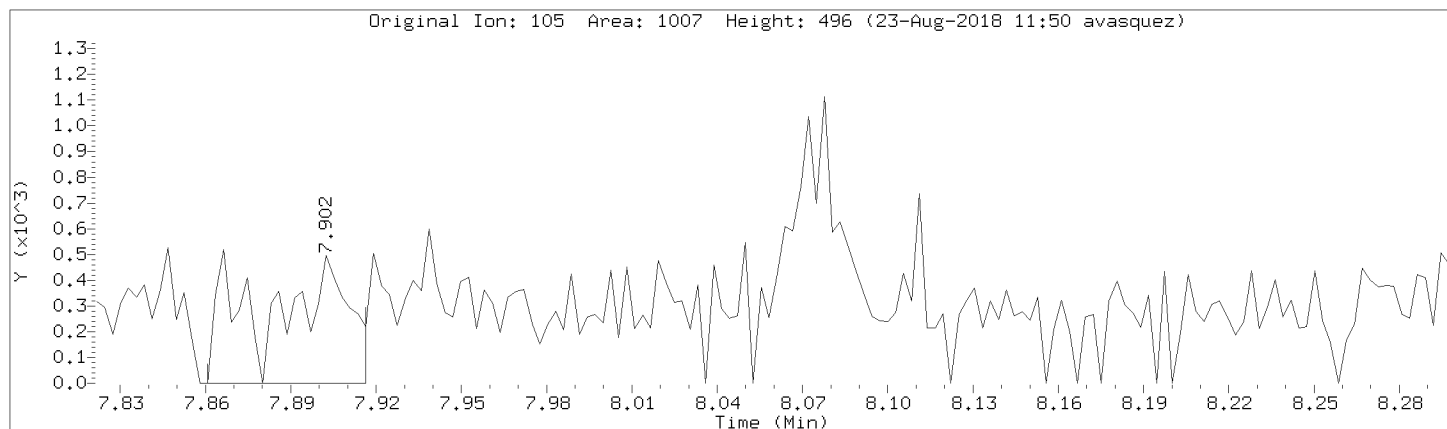


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Injection Date: 22-AUG-2018 14:19

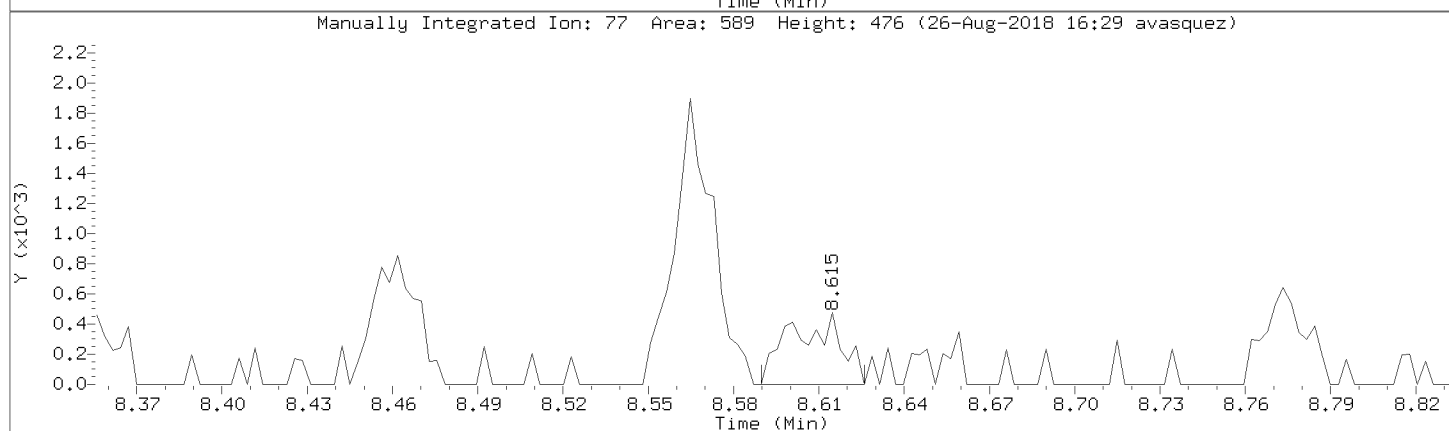
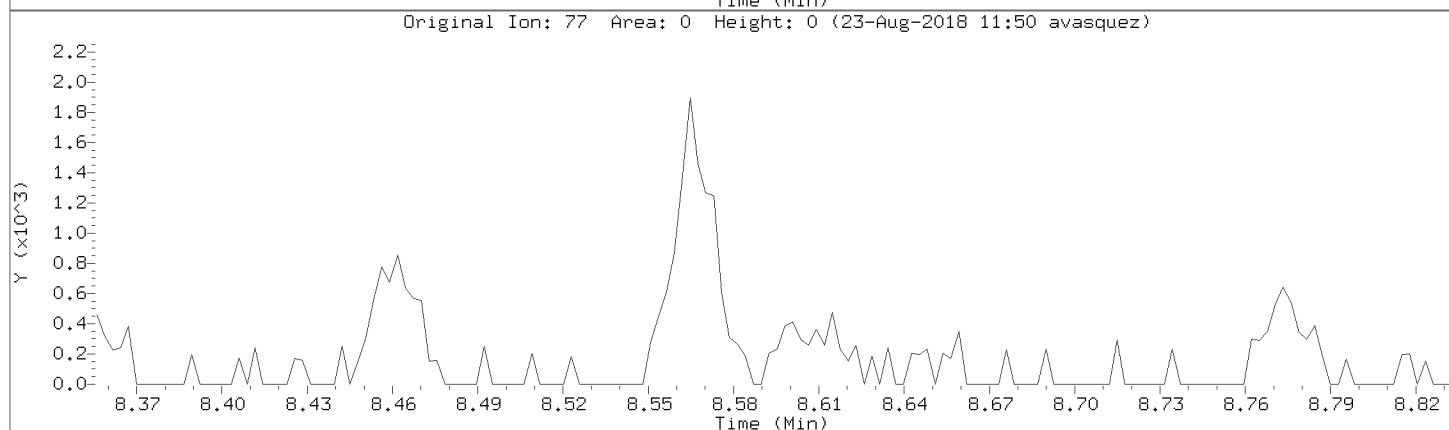
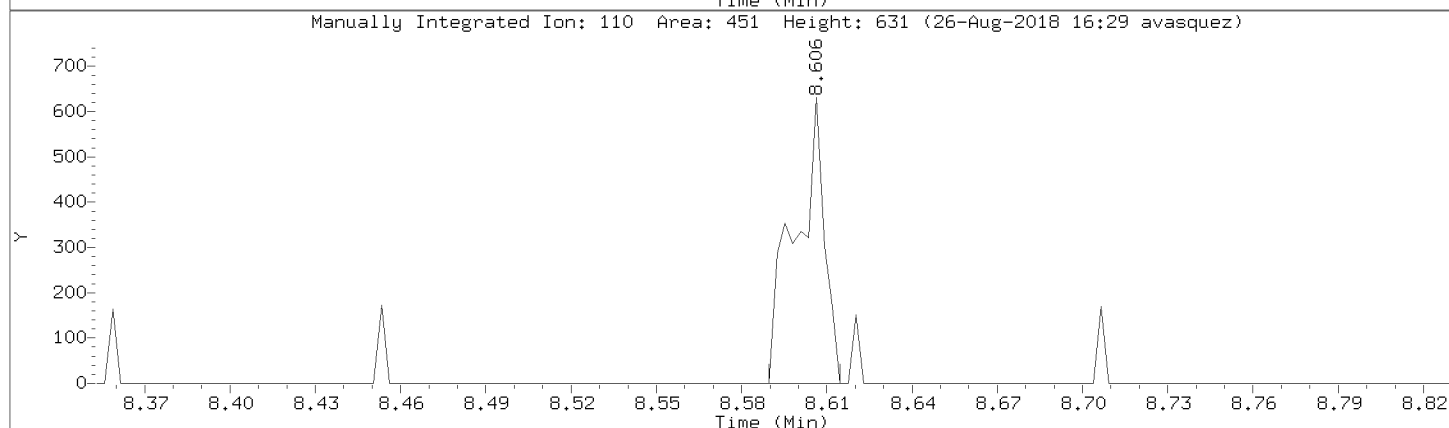
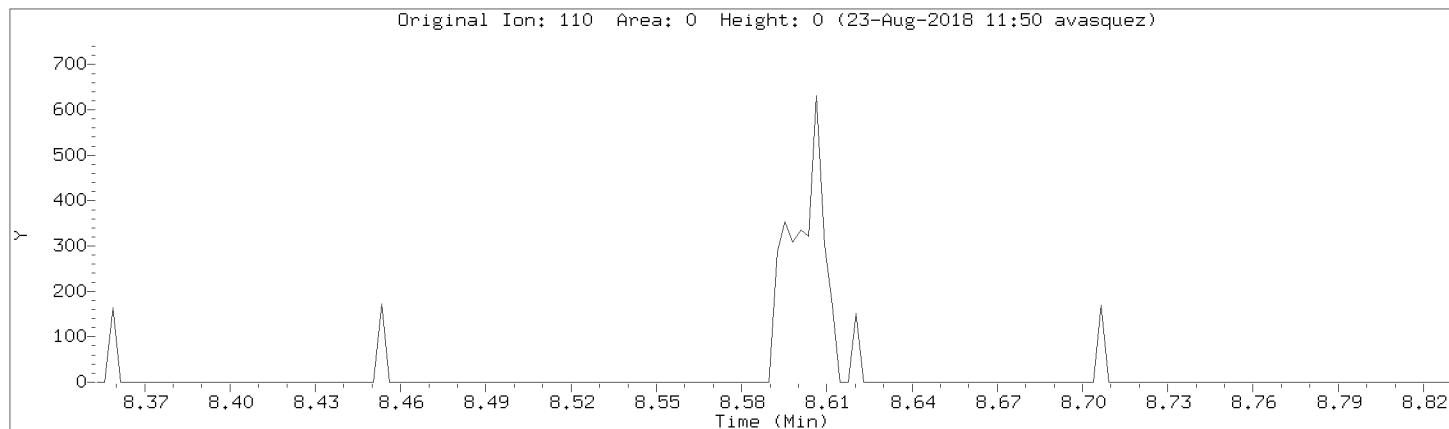
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1



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

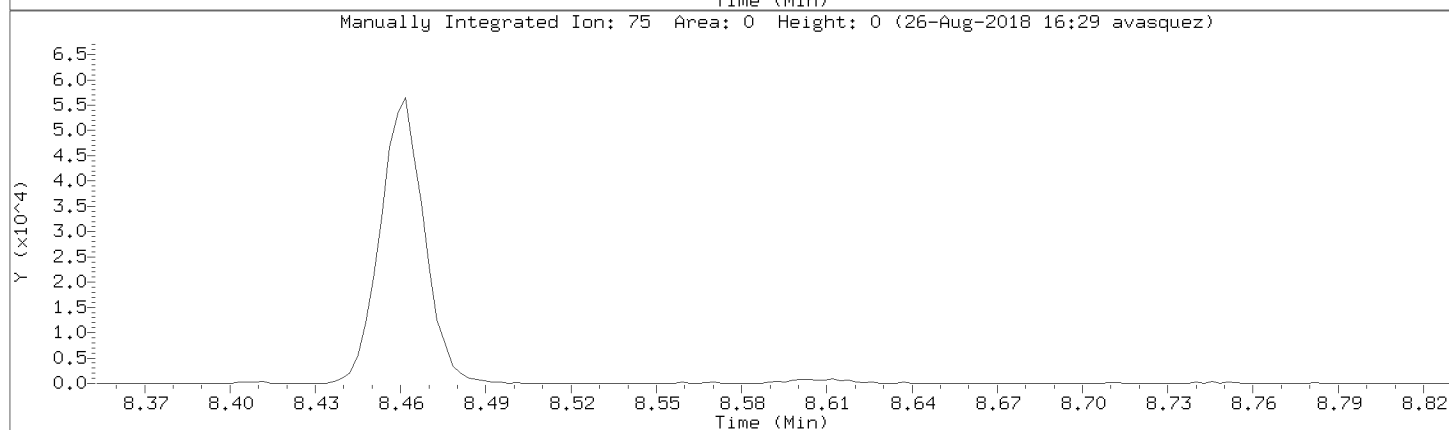
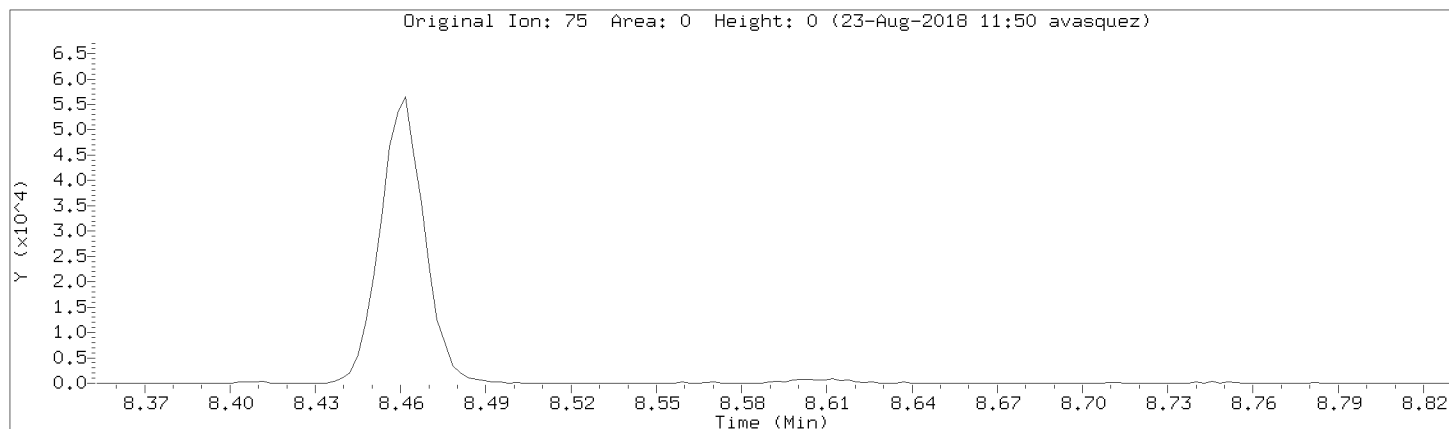


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Injection Date: 22-AUG-2018 14:19

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1



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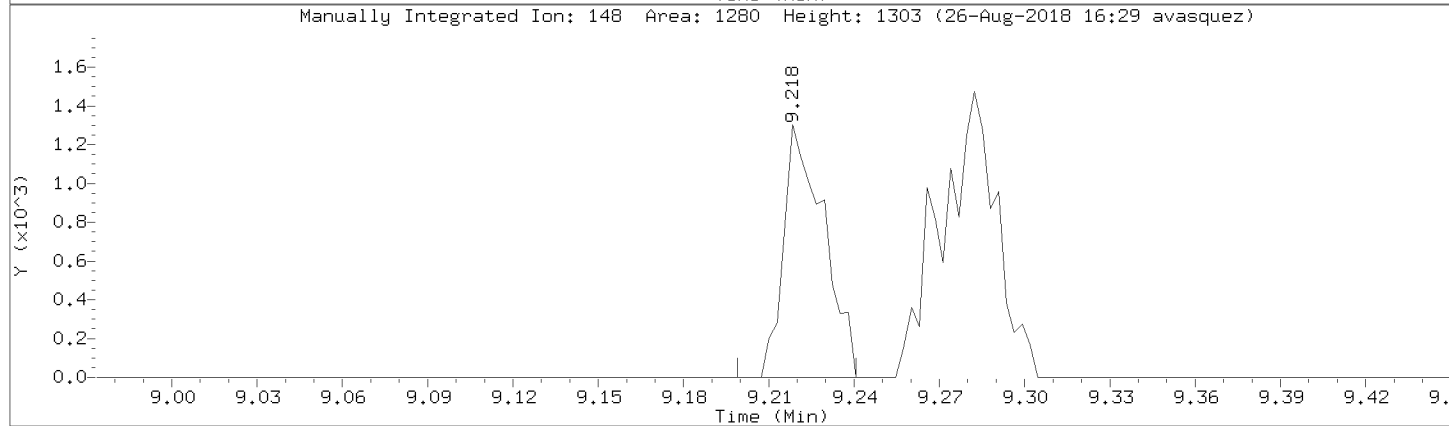
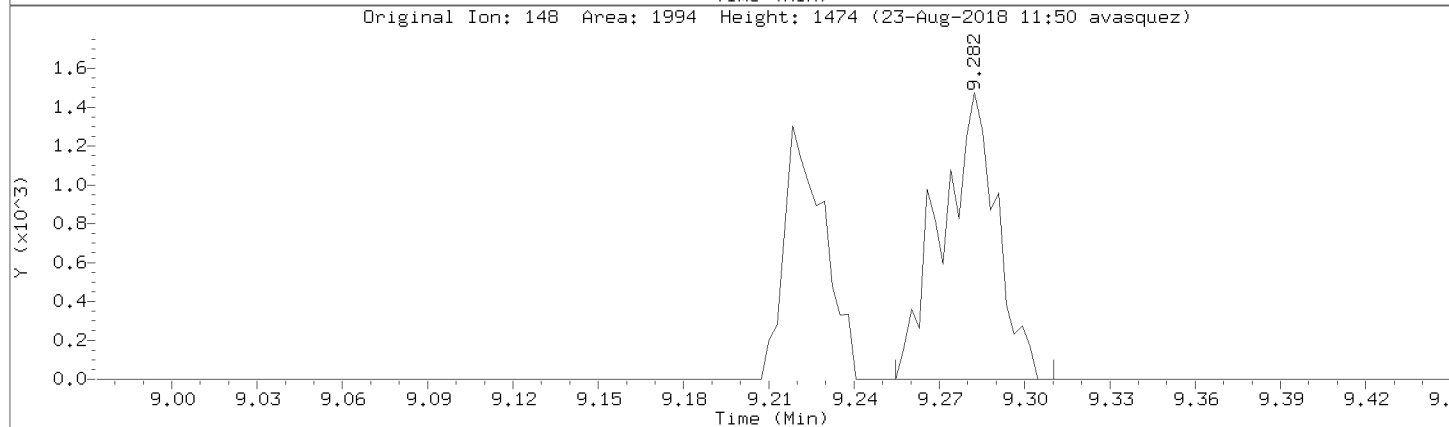
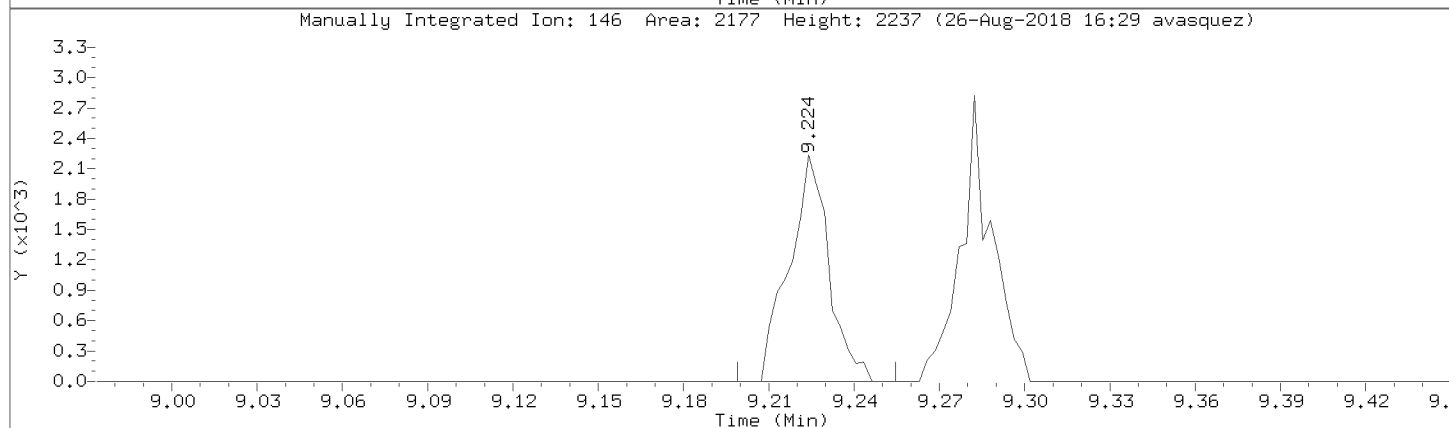
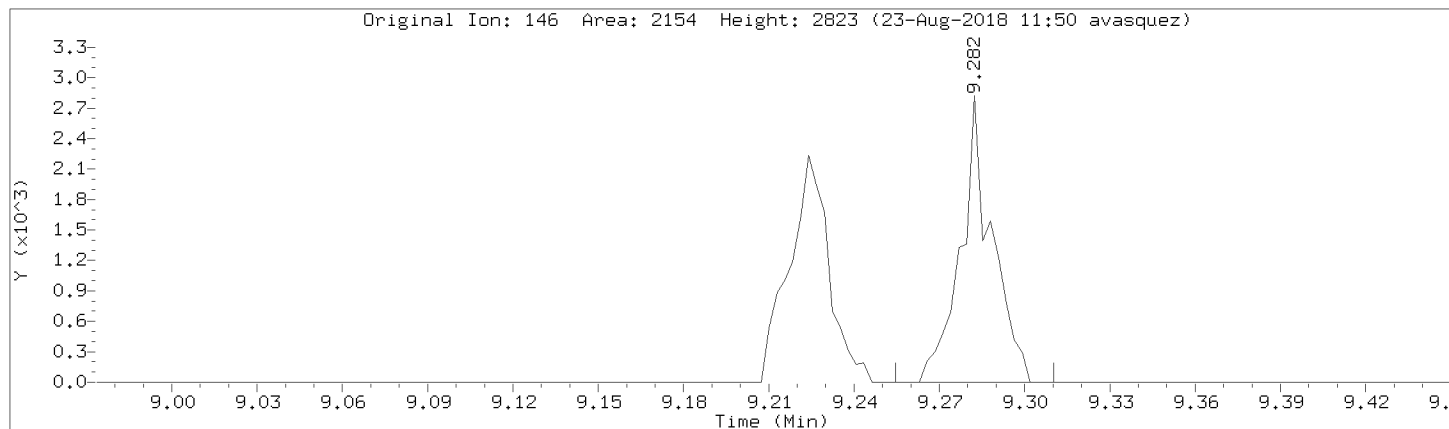
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Lab Sample ID: 8260-CAL1

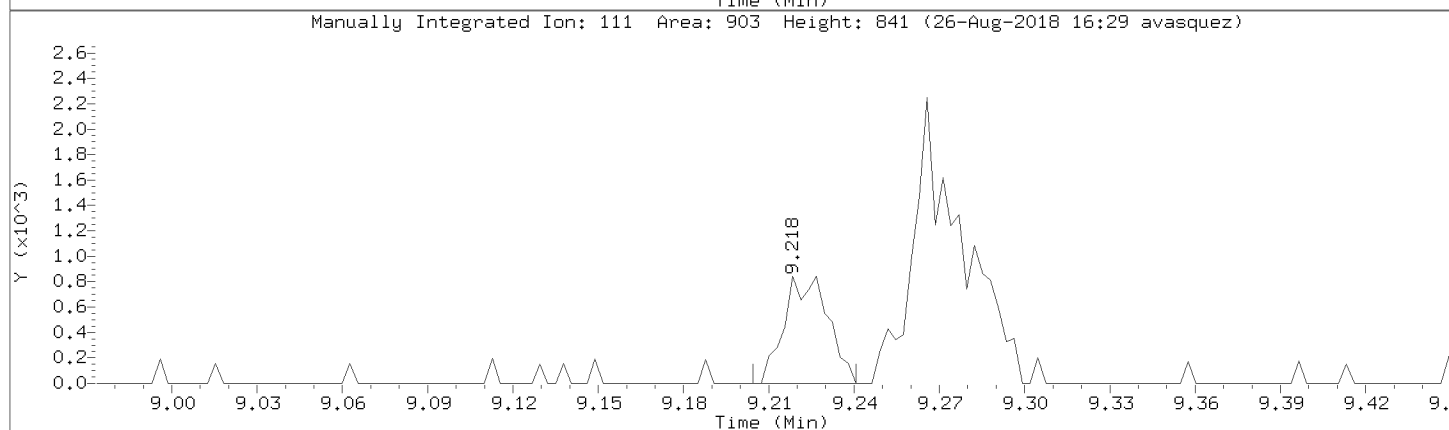
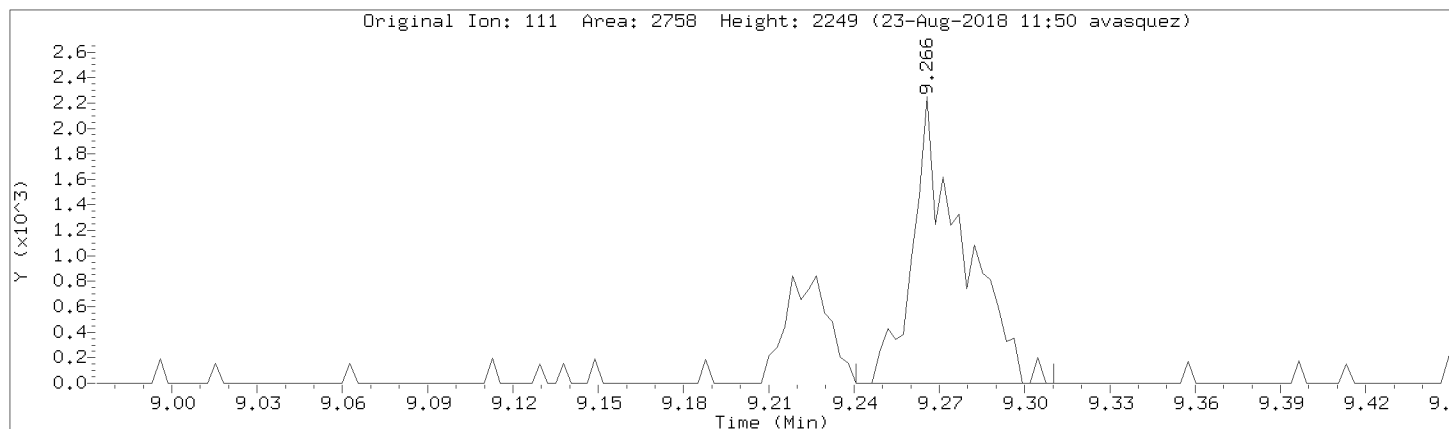
Compound: 1,3-Dichlorobenzene

Review Code: WP

CAS Number: 541-73-1



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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Injection Date: 22-AUG-2018 14:19

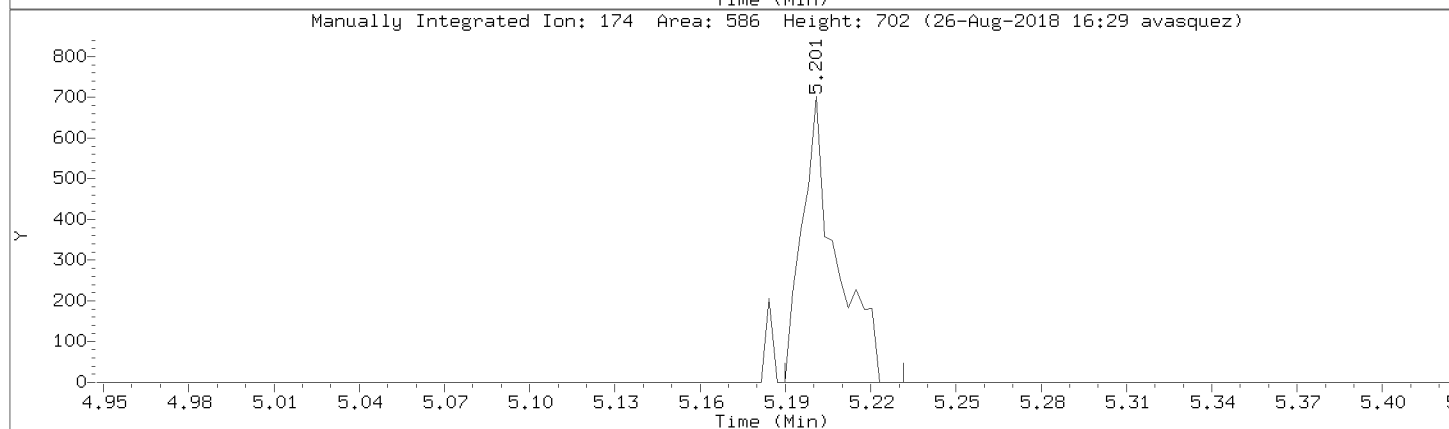
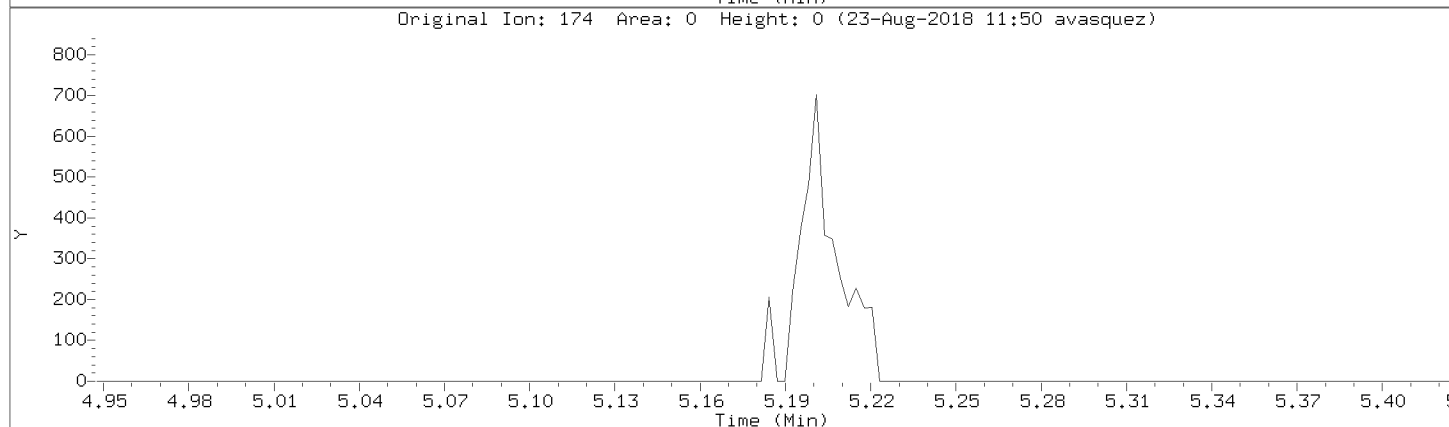
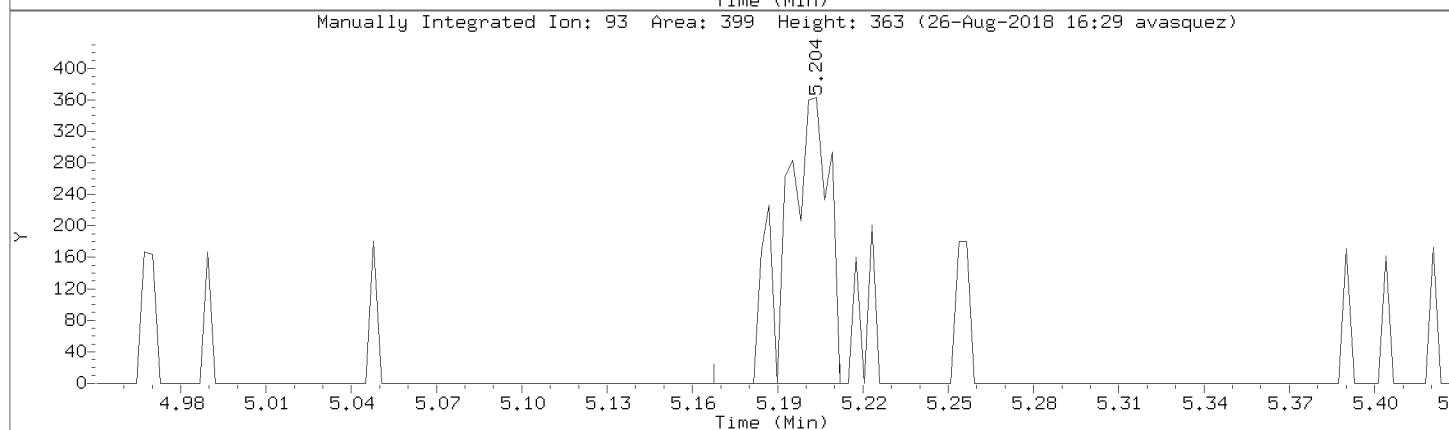
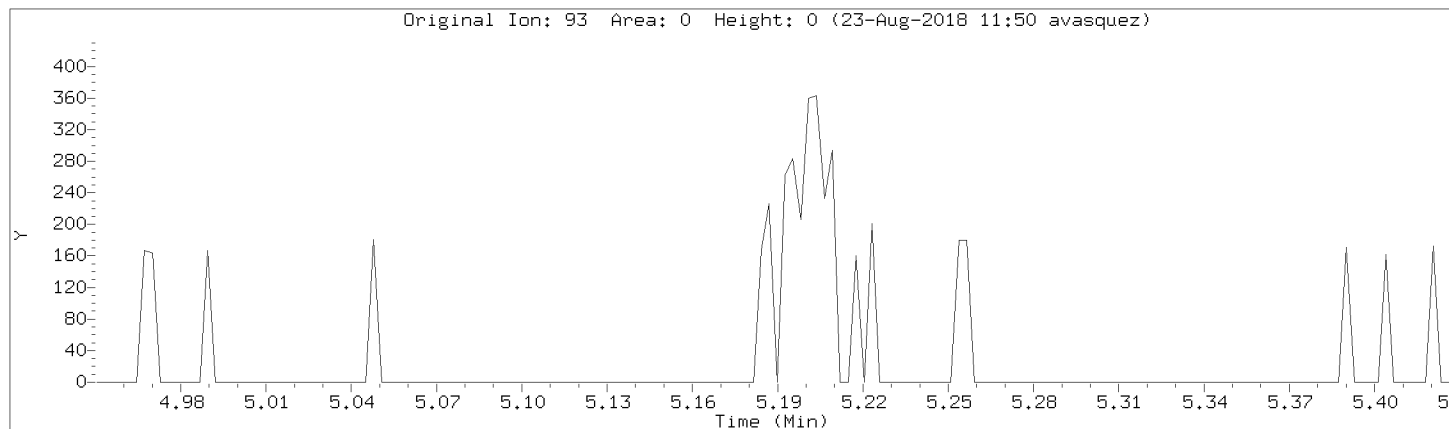
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

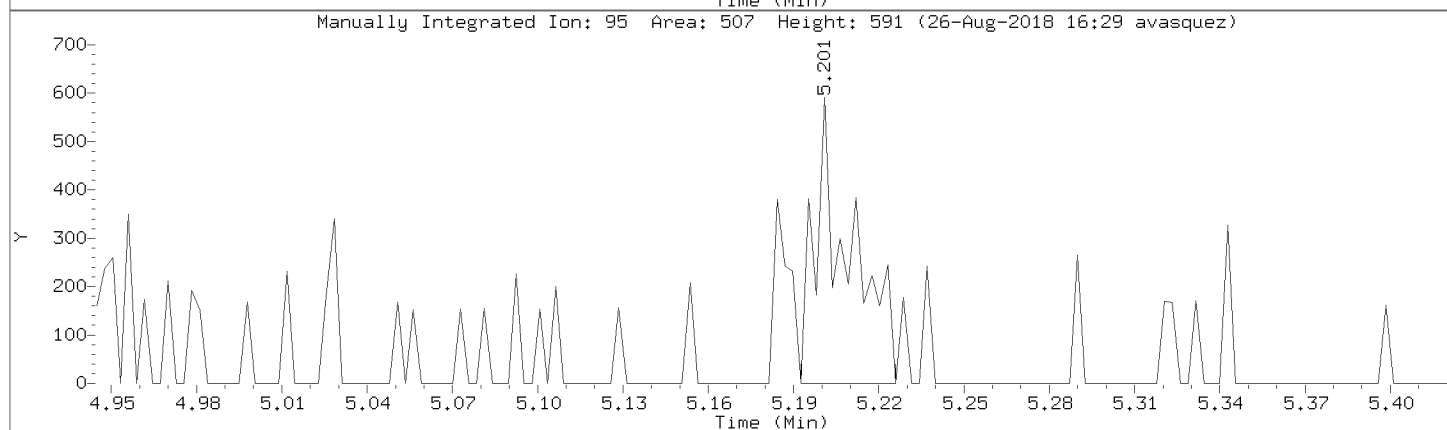
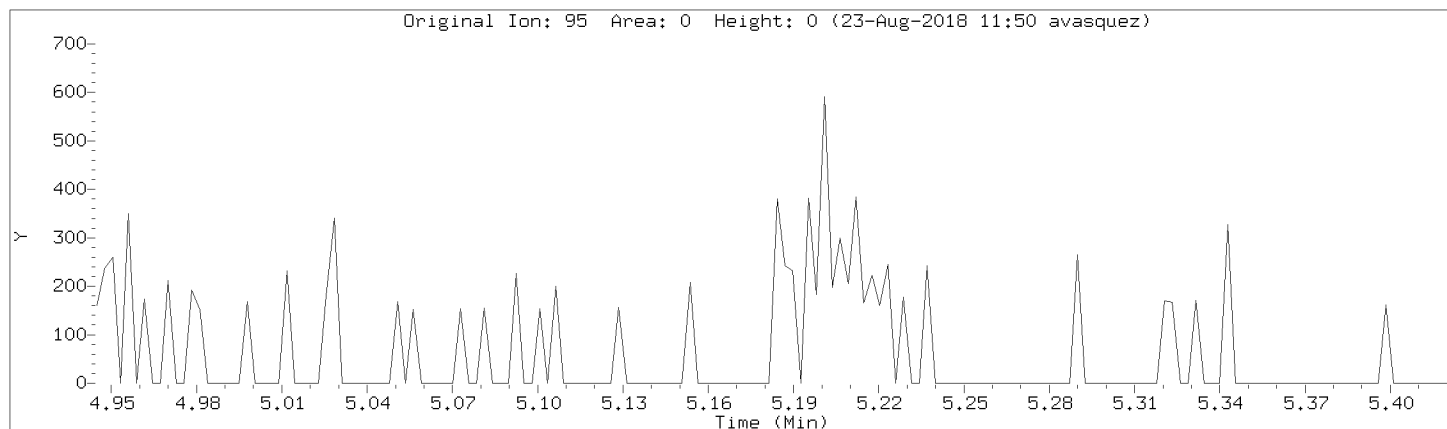
Compound: Dibromomethane

Review Code: NI

CAS Number: 74-95-3



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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

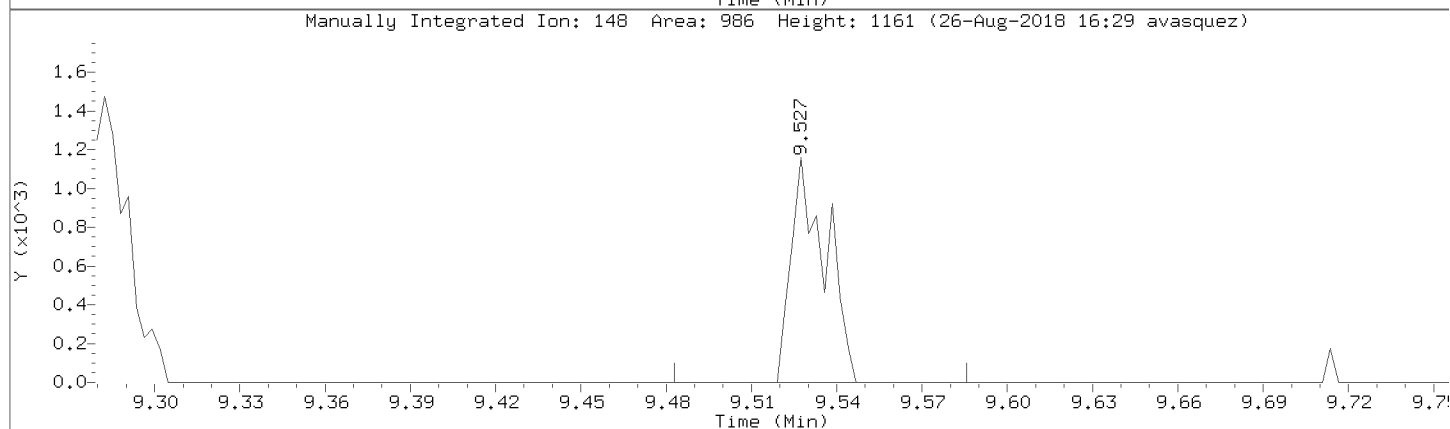
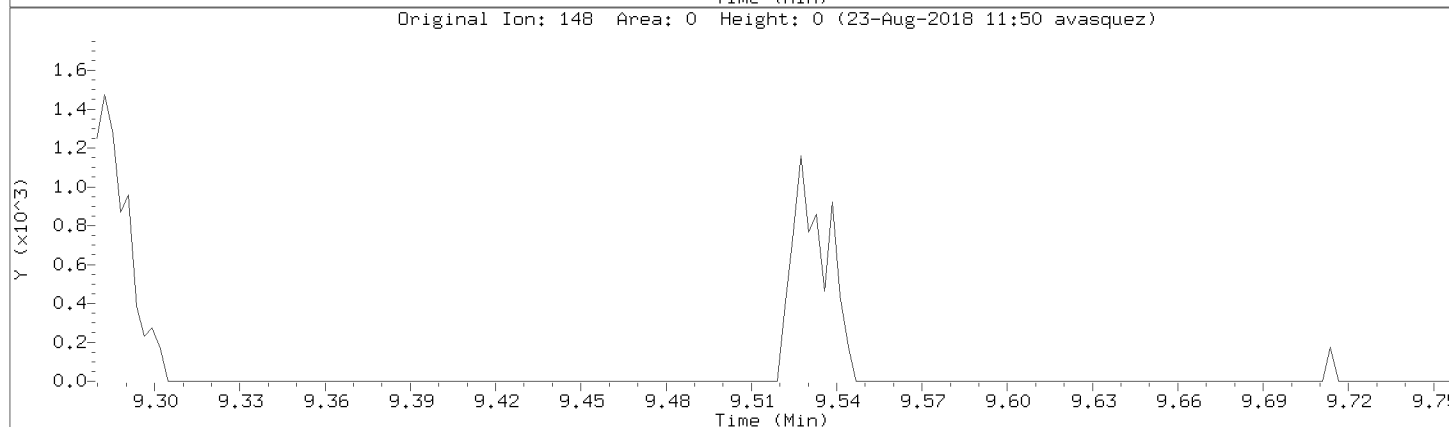
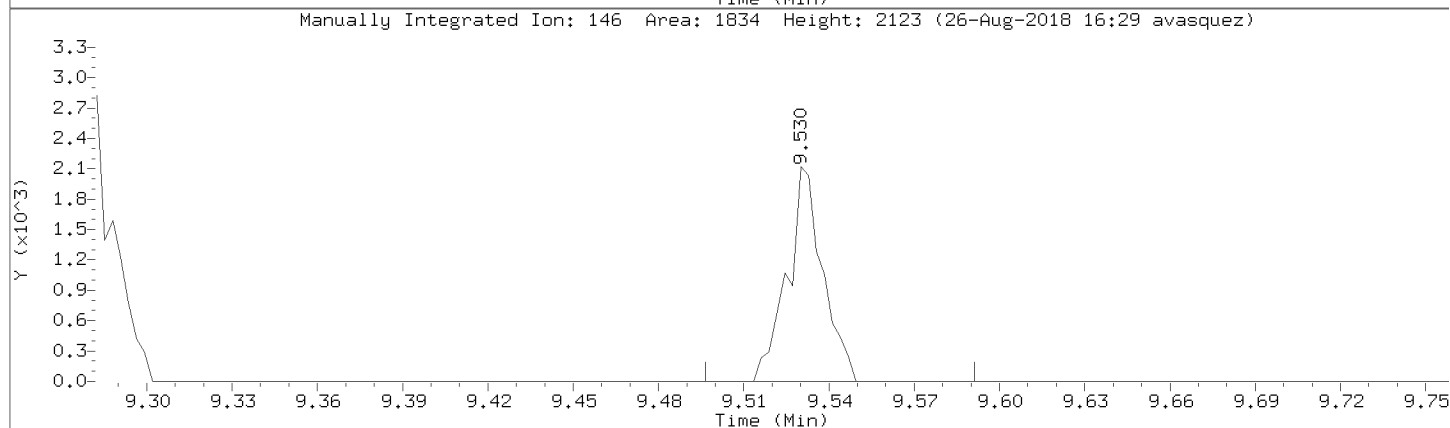
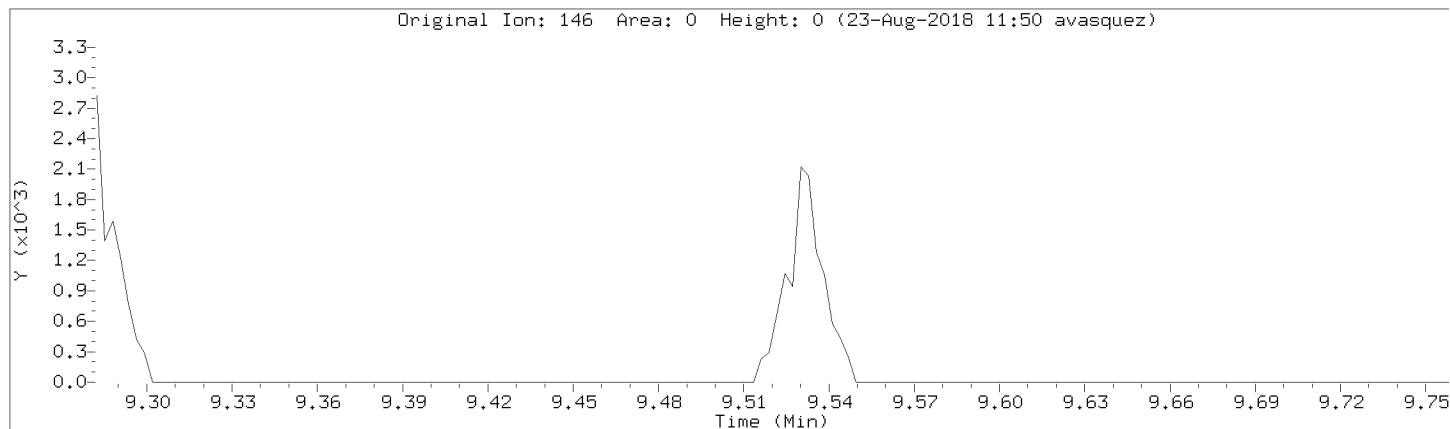
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

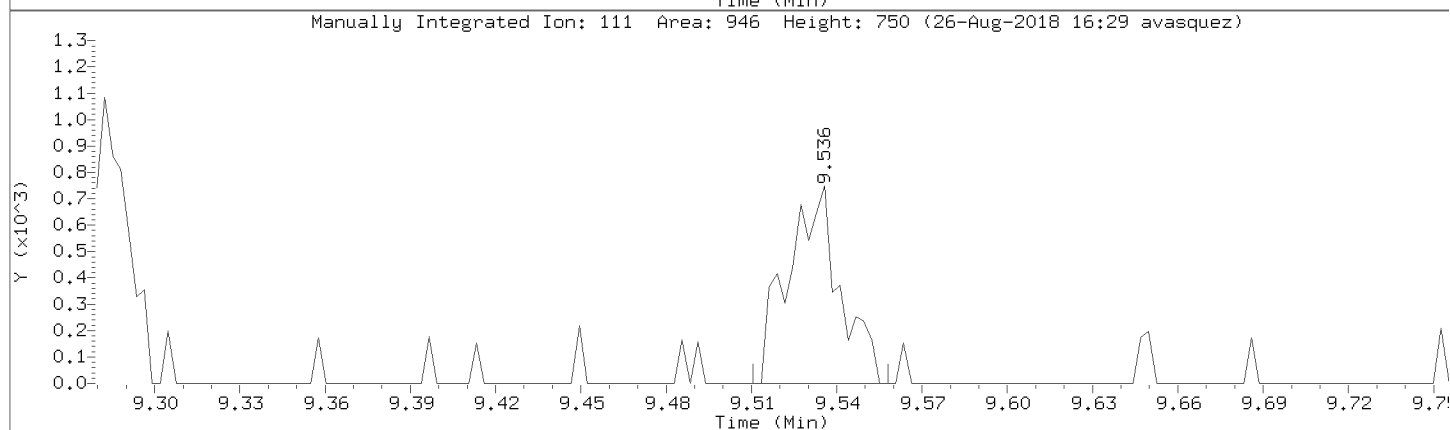
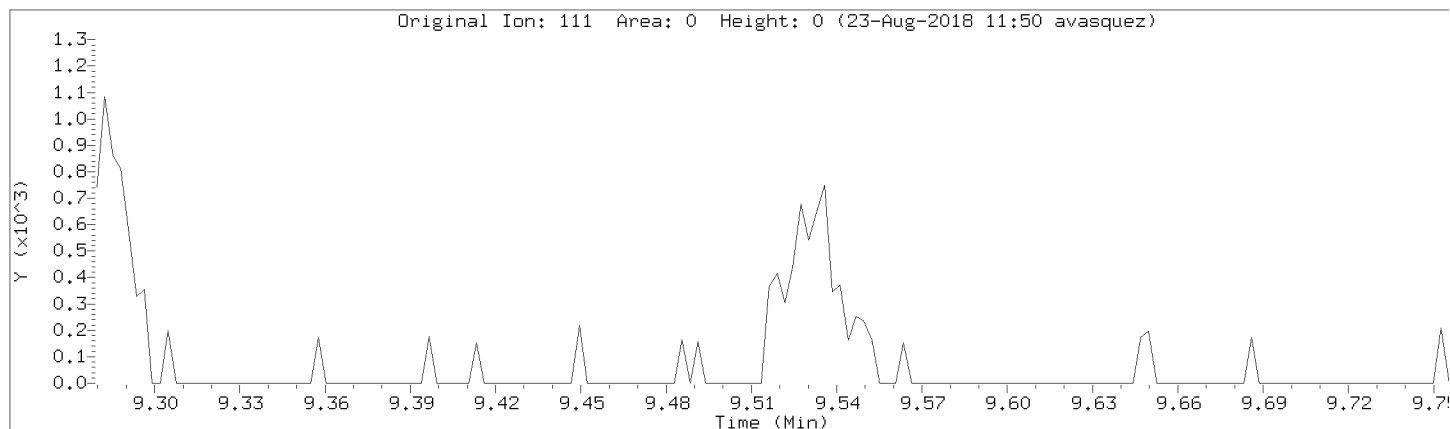
Compound: 1,2-Dichlorobenzene

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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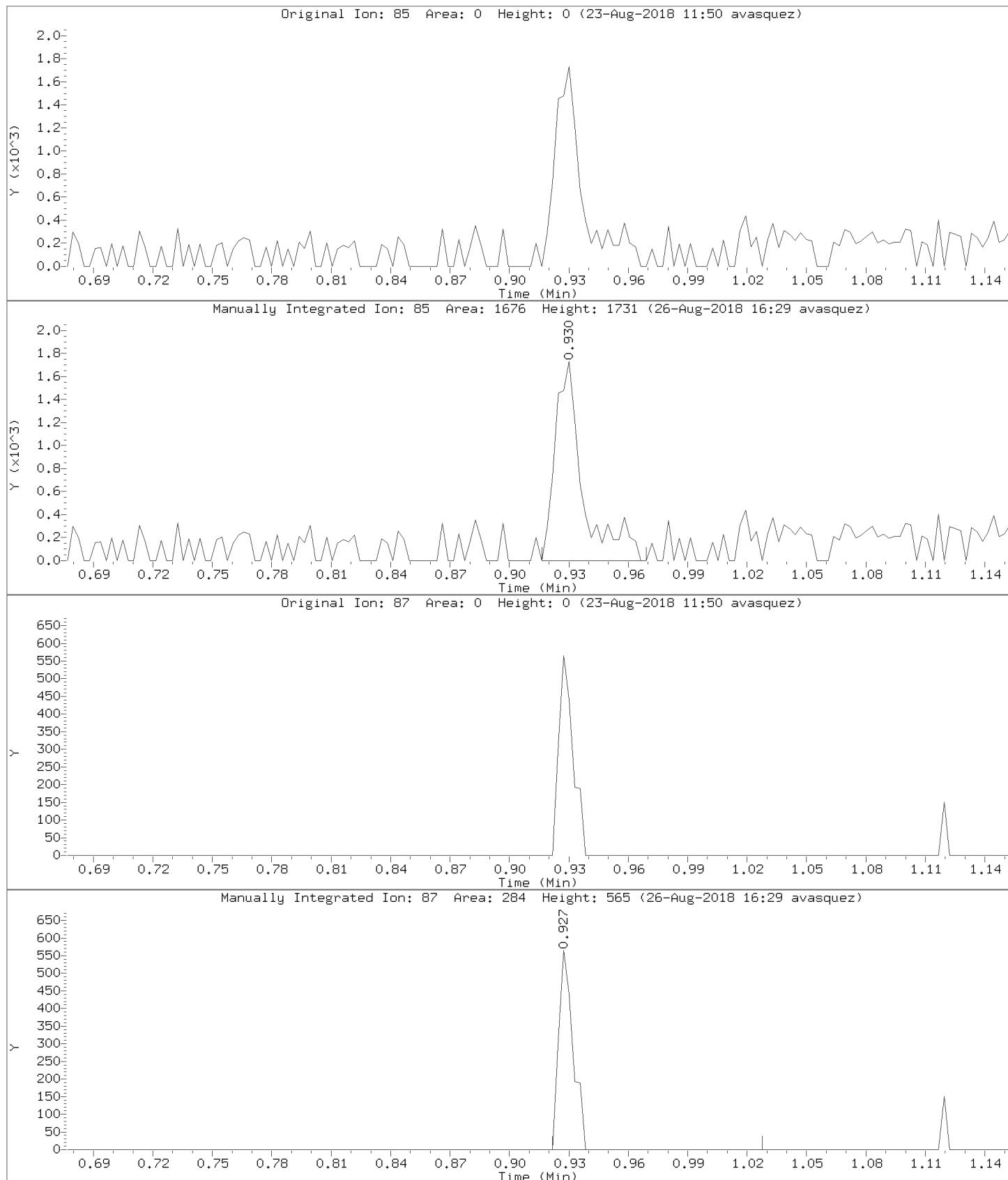
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

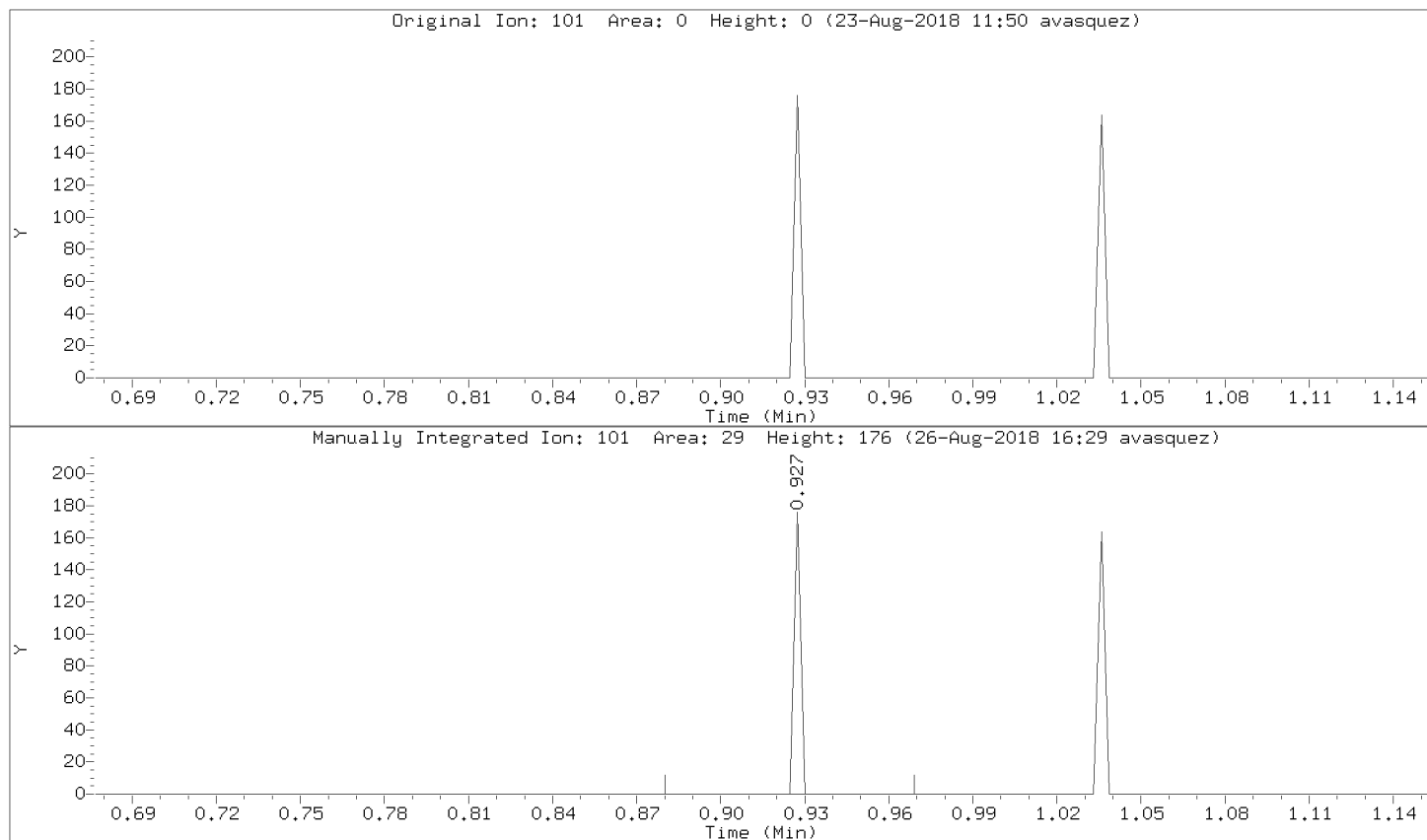
Compound: Dichlorodifluoromethane

Review Code: NI

CAS Number: 75-71-8

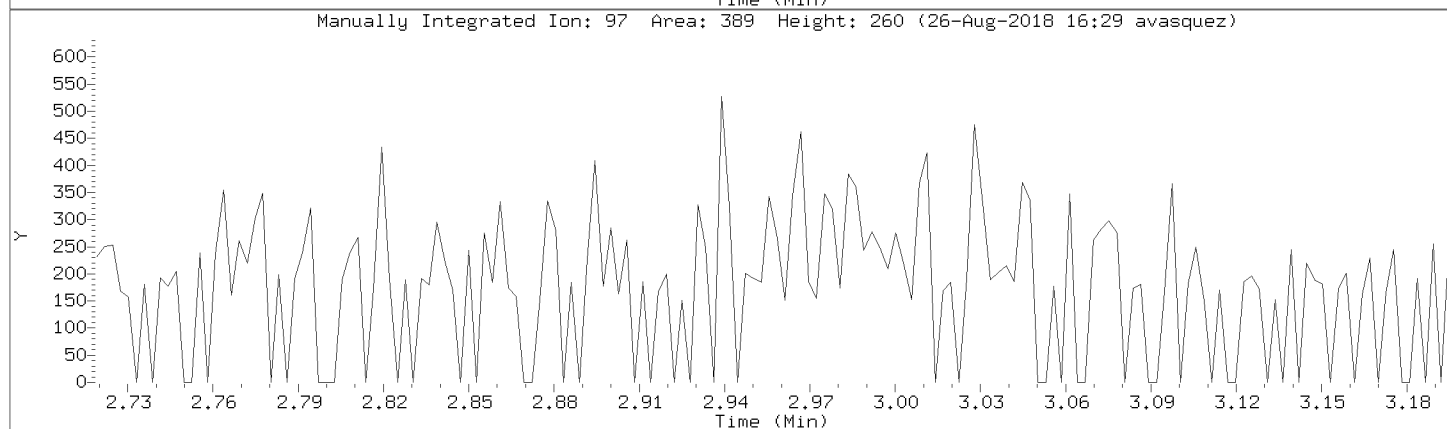
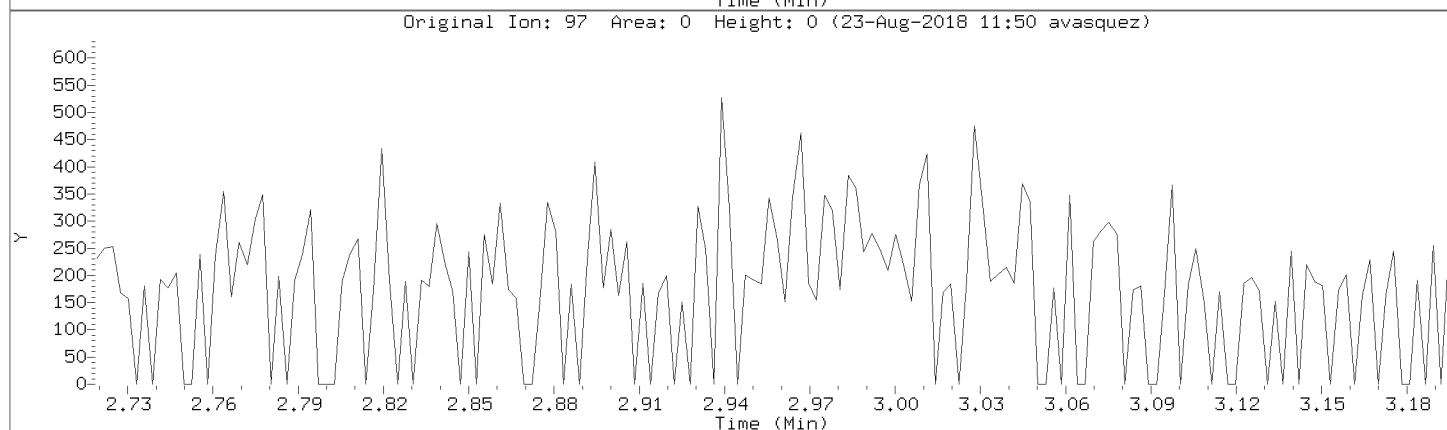
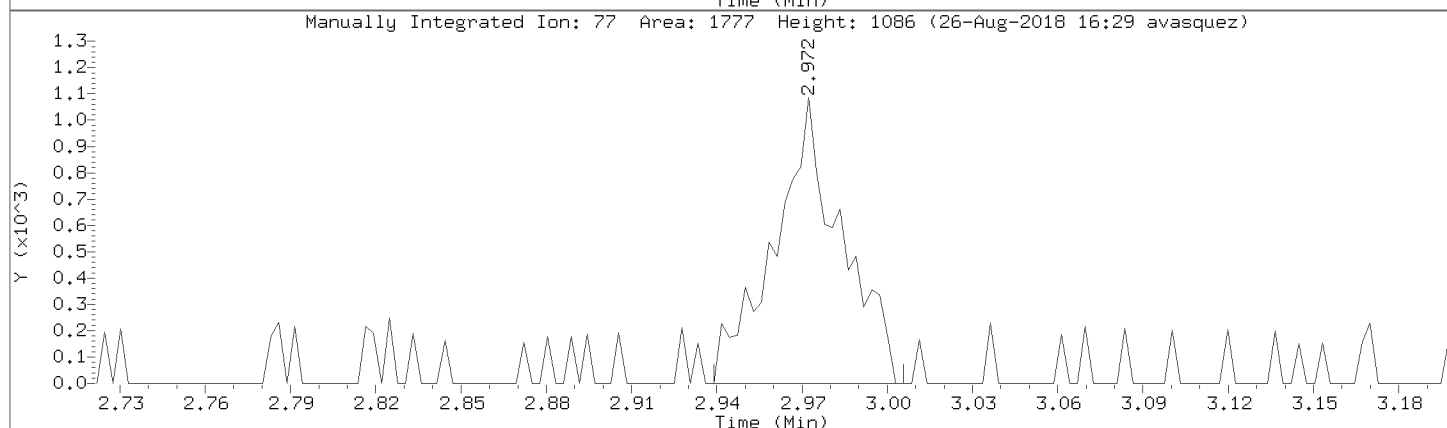
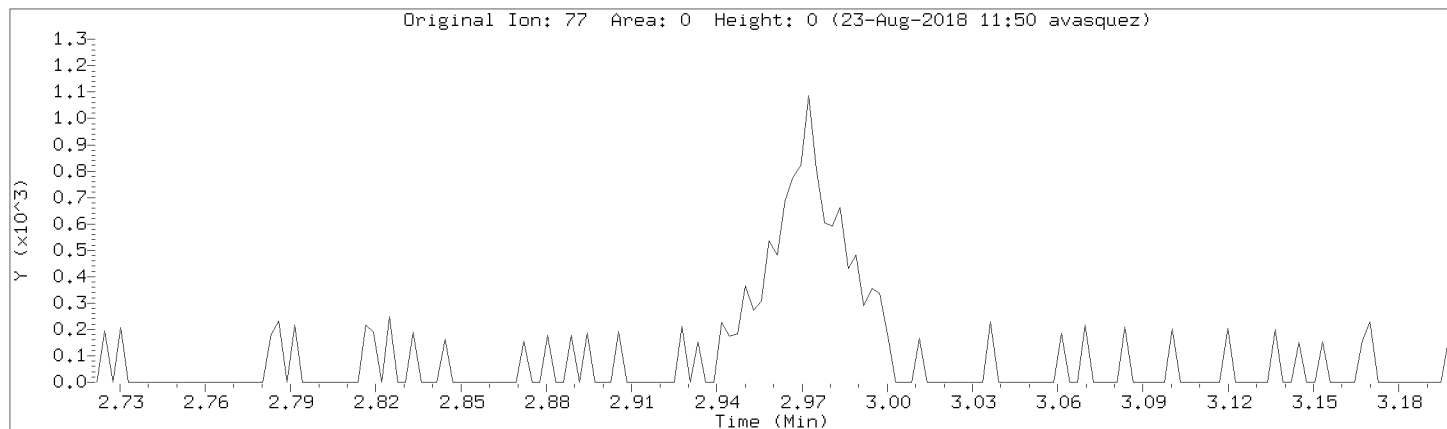


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



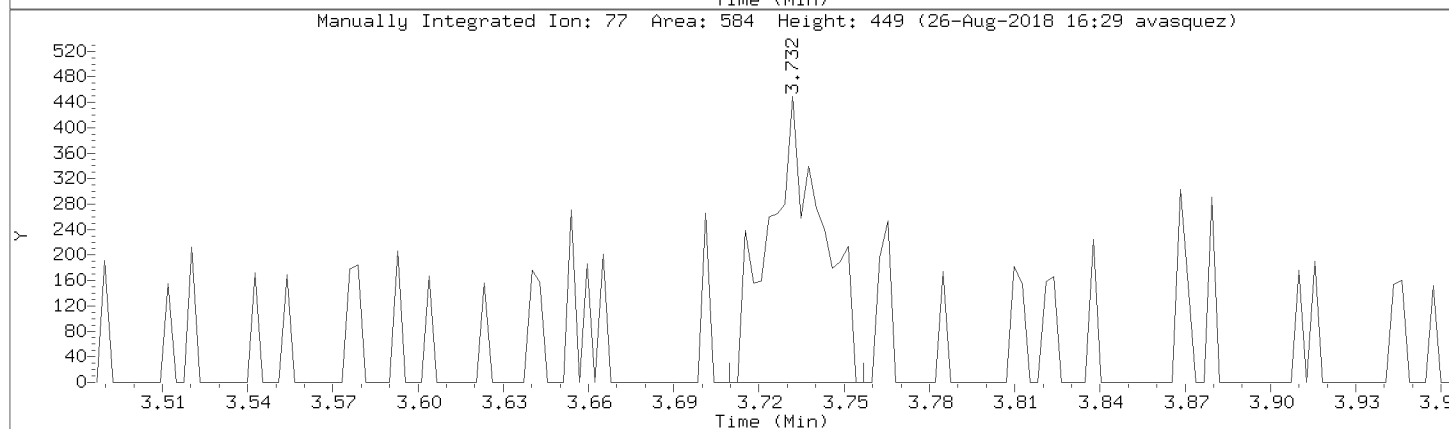
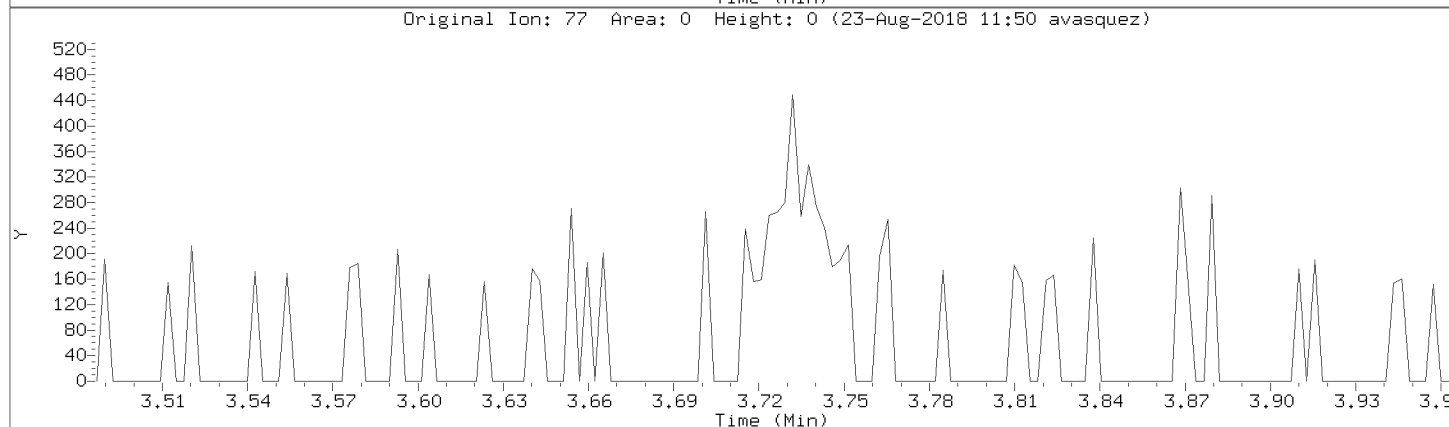
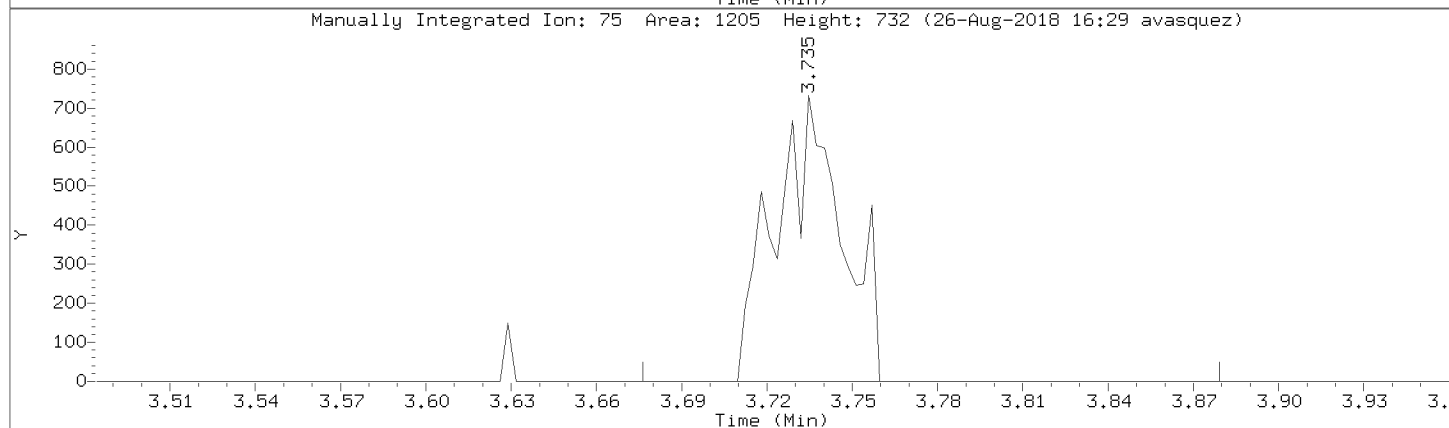
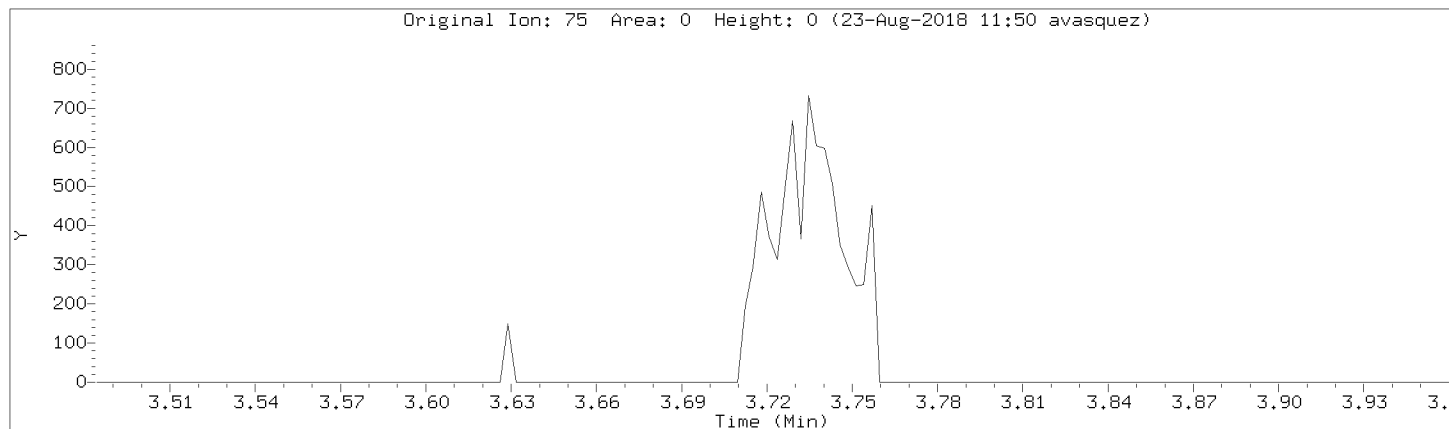
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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

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



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-Dichloropropene Review Code: NI
CAS Number: 563-58-6

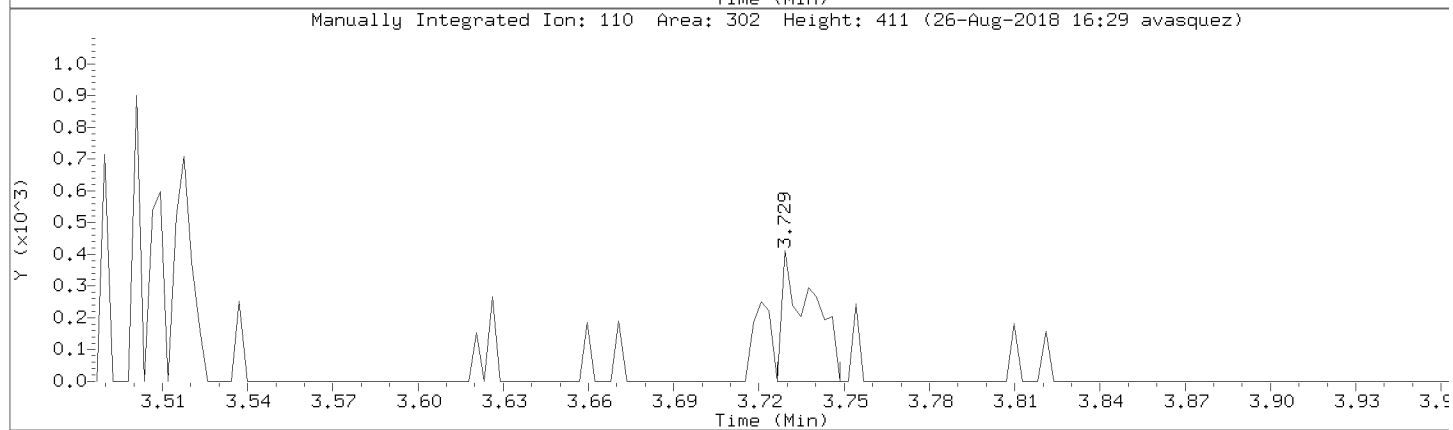
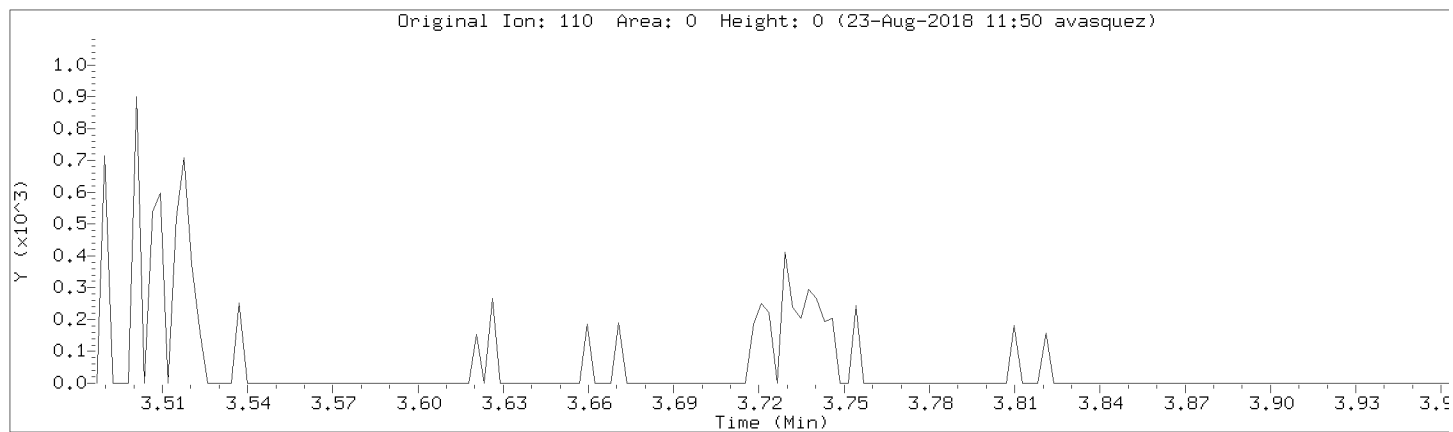


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Injection Date: 22-AUG-2018 14:19

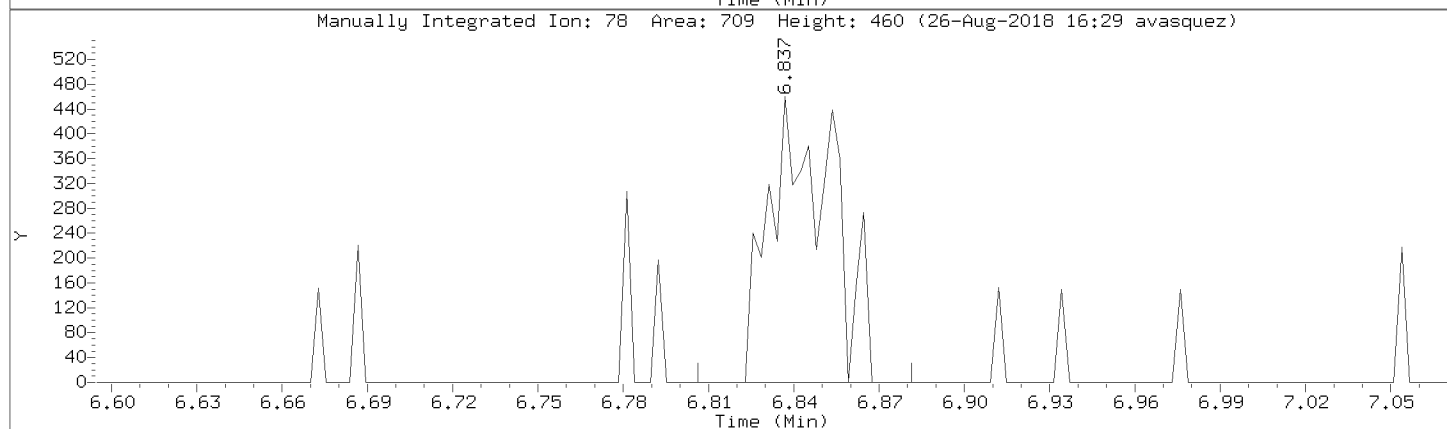
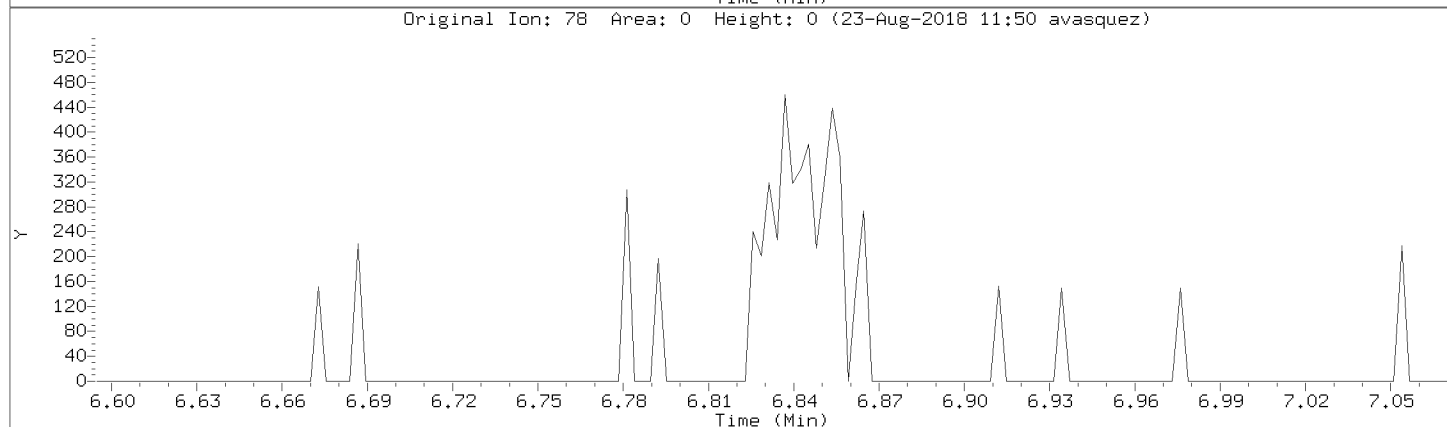
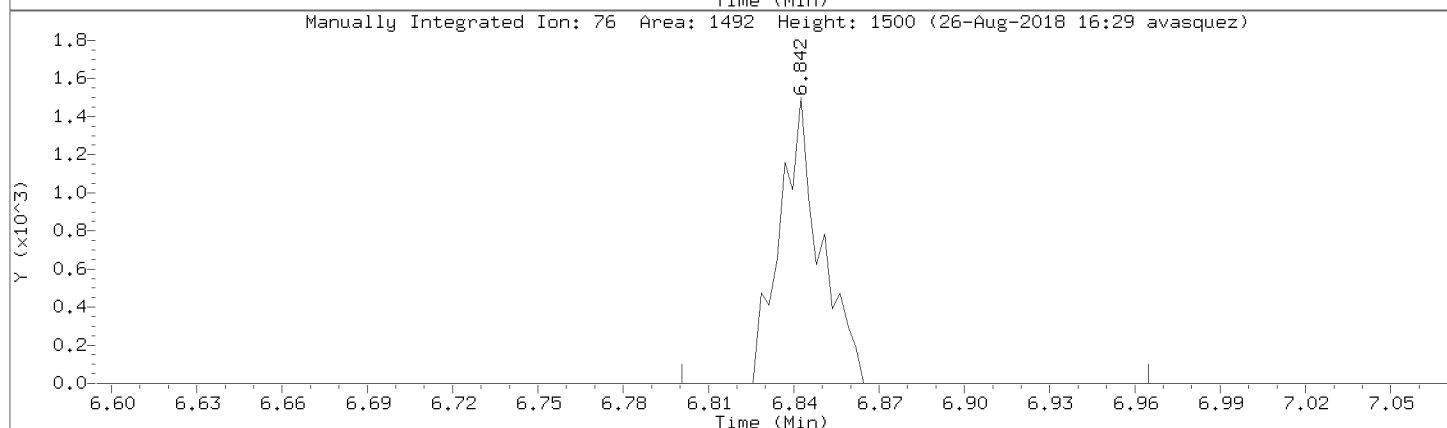
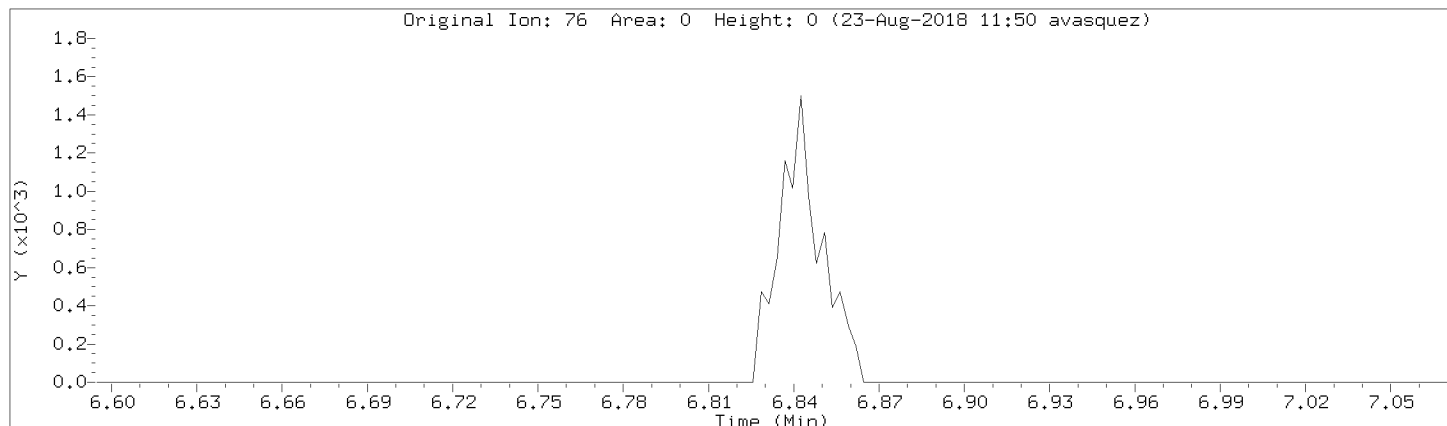
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1



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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

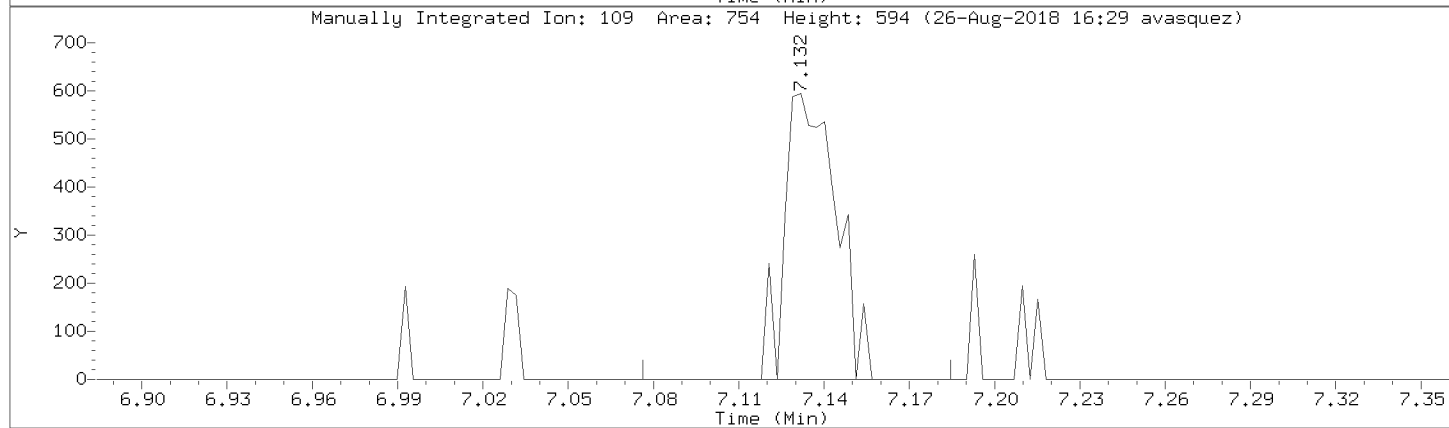
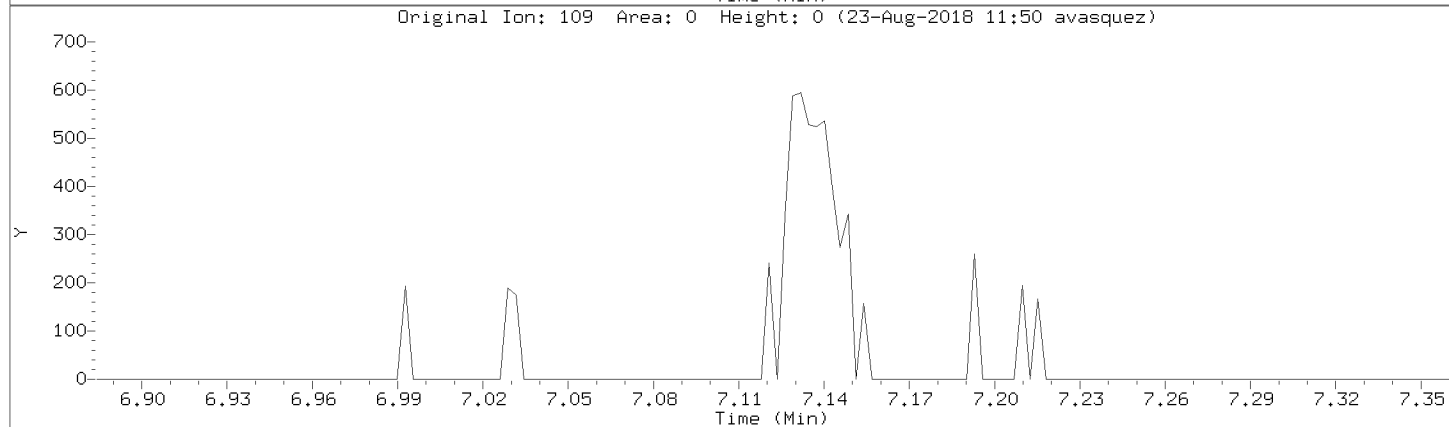
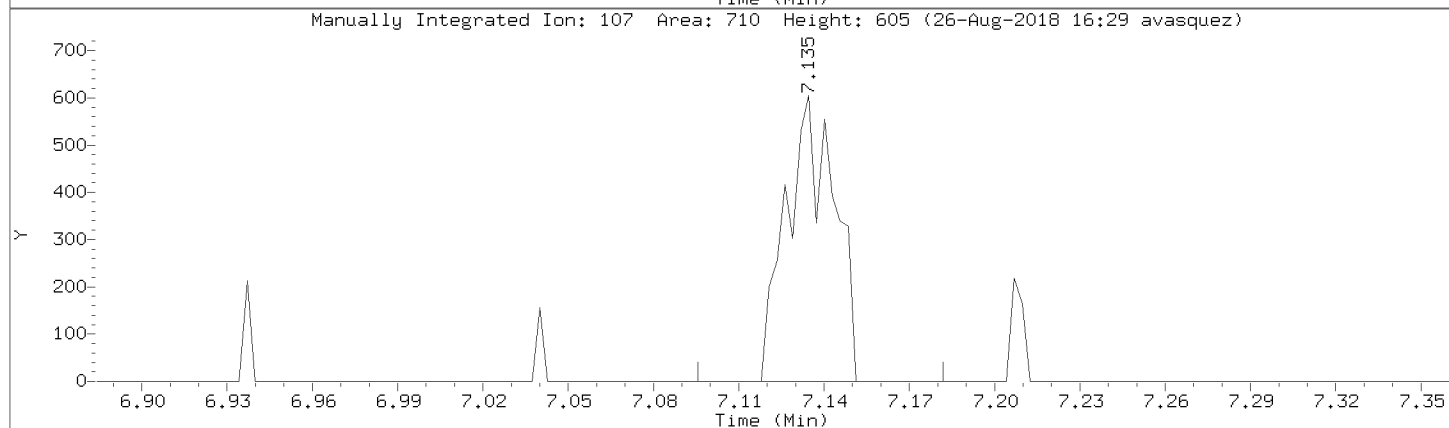
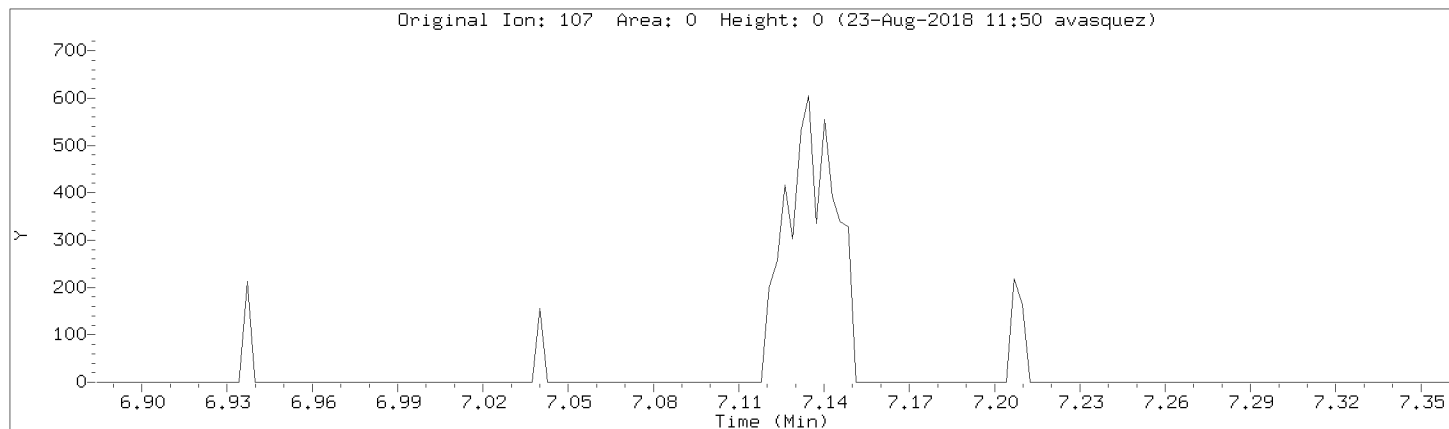
Instrument: 50mv2a.i

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\02cal.d

Injection Date: 22-AUG-2018 14:19

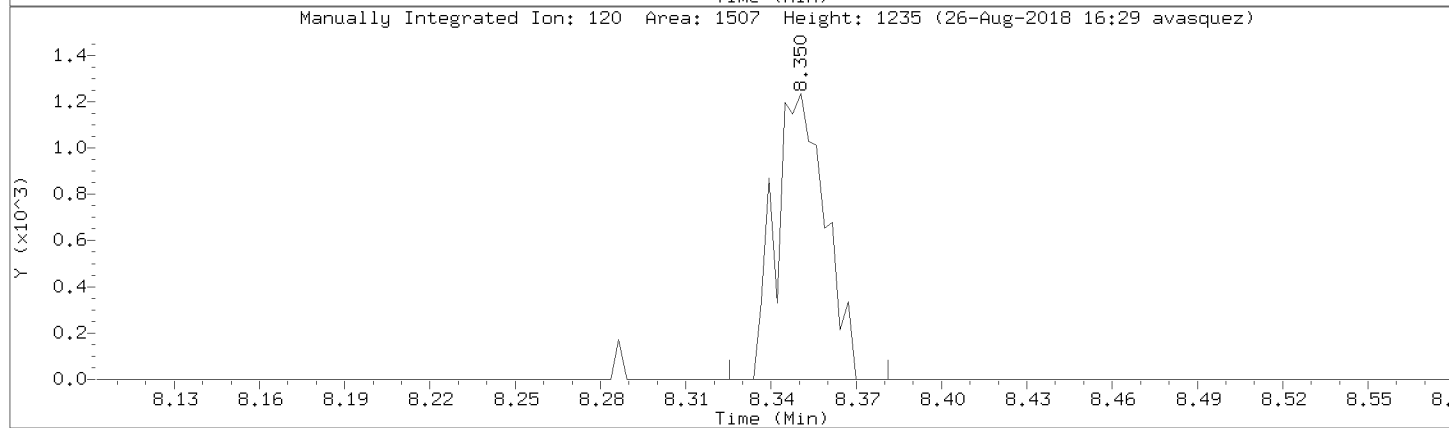
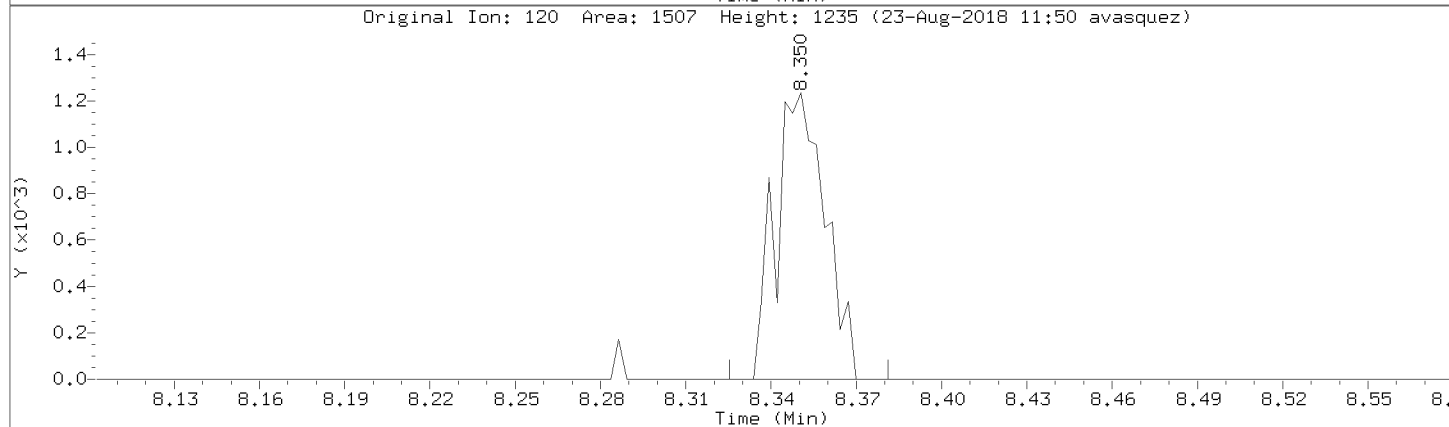
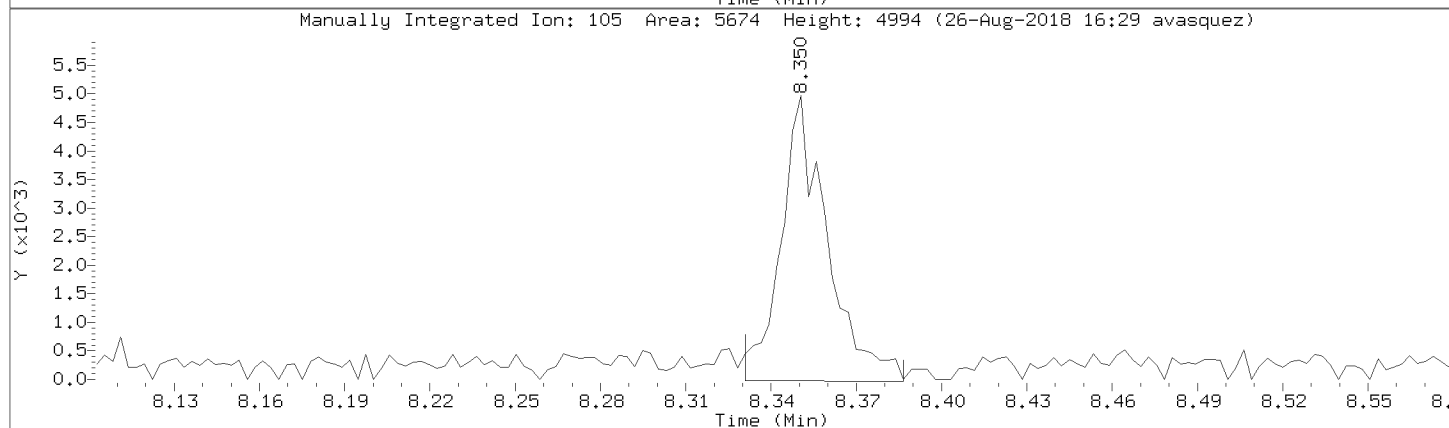
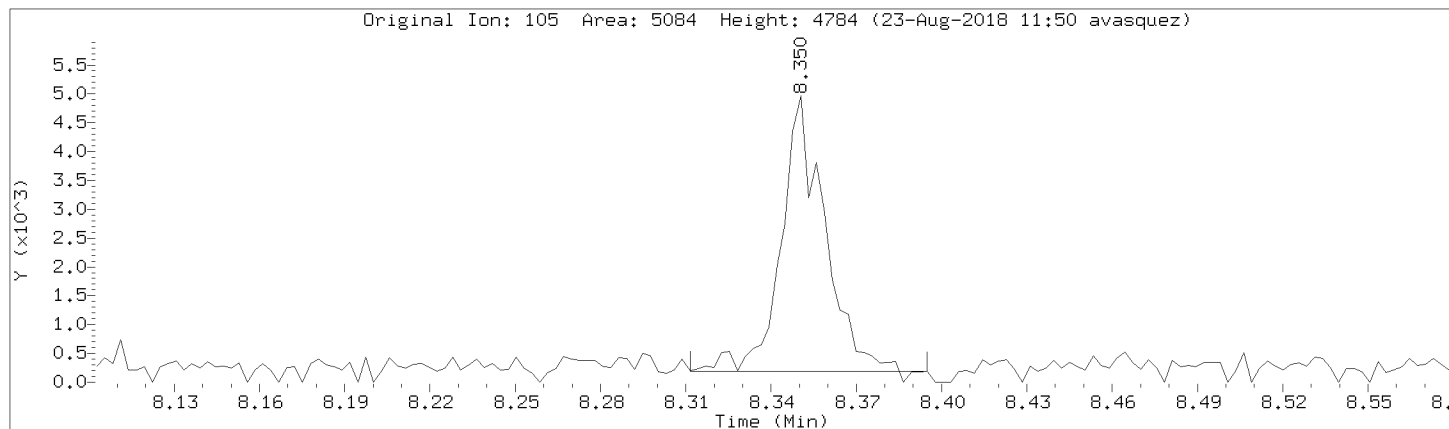
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Isopropylbenzene

Review Code: NI

CAS Number: 98-82-8



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

Injection Date: 22-AUG-2018 14:19

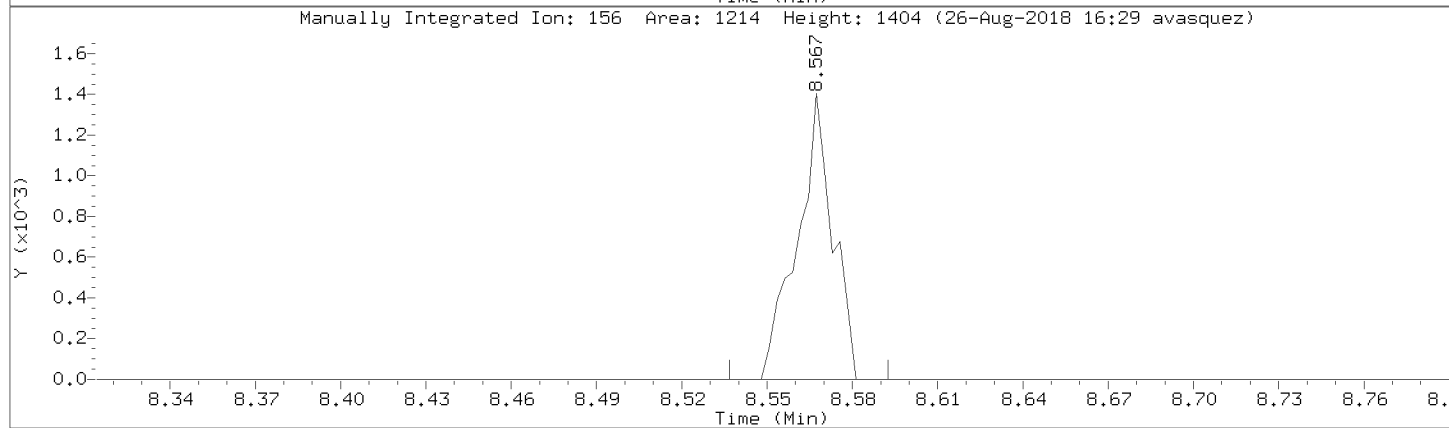
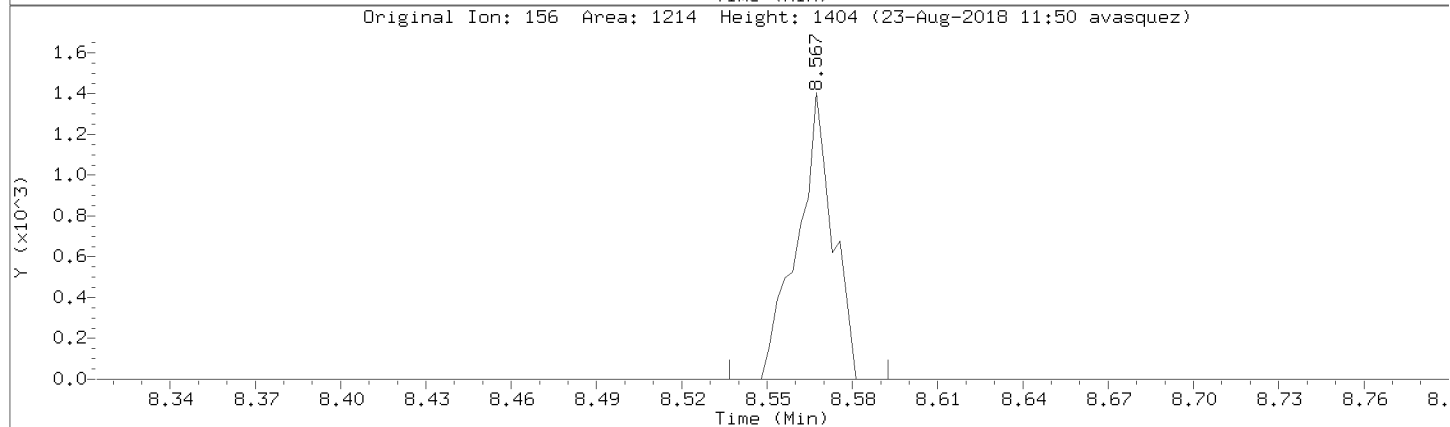
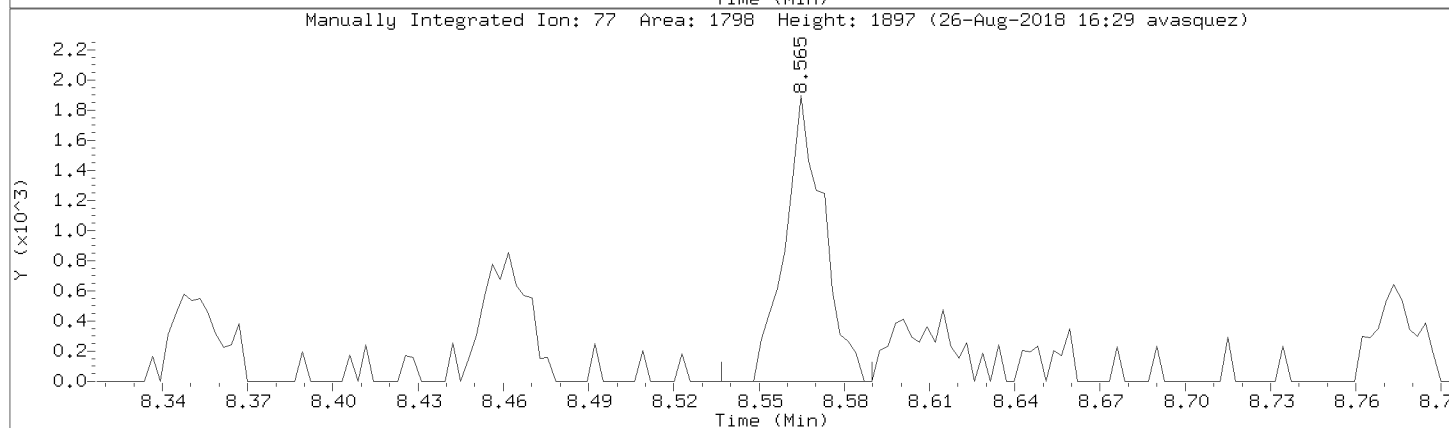
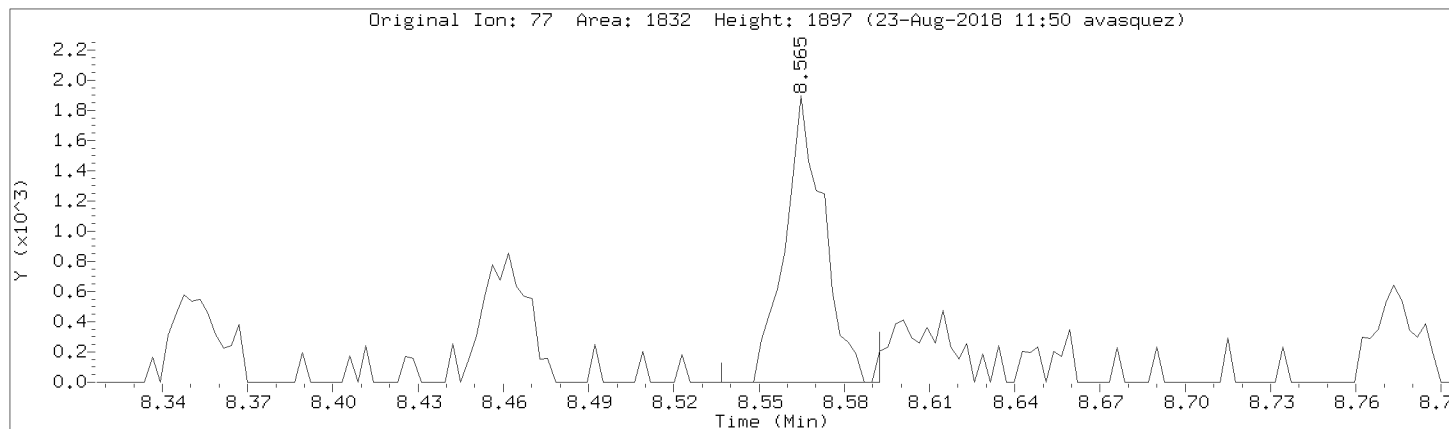
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Bromobenzene

Review Code: GT

CAS Number: 108-86-1

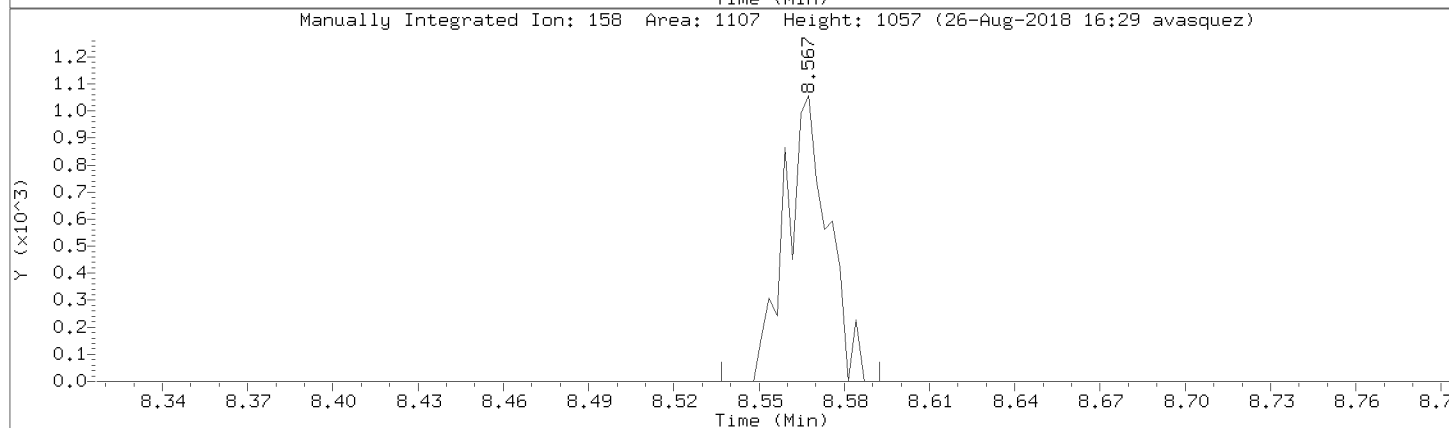
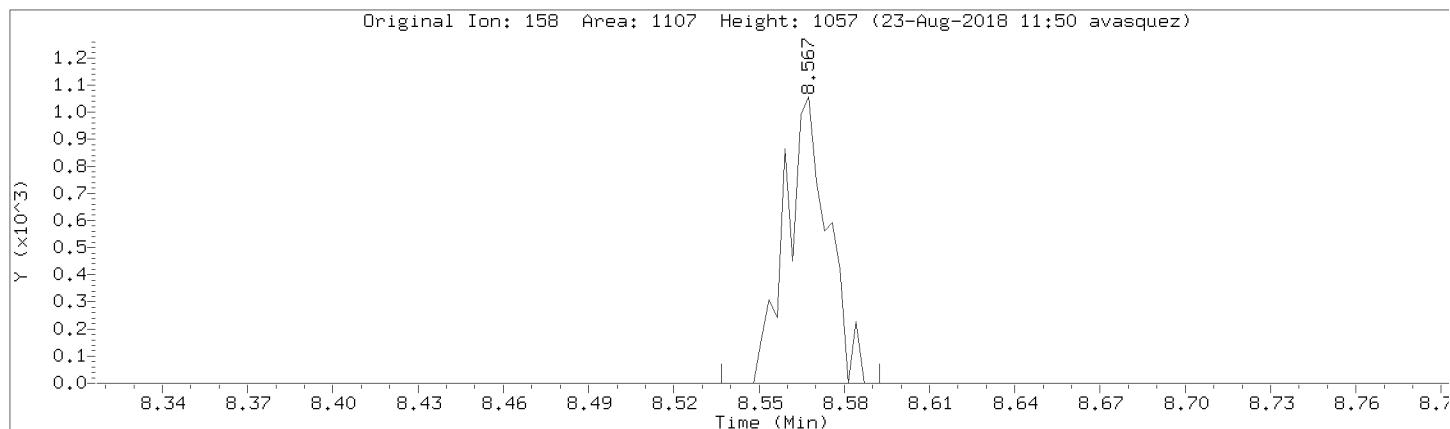


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Injection Date: 22-AUG-2018 14:19

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1



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Injection Date: 22-AUG-2018 14:19

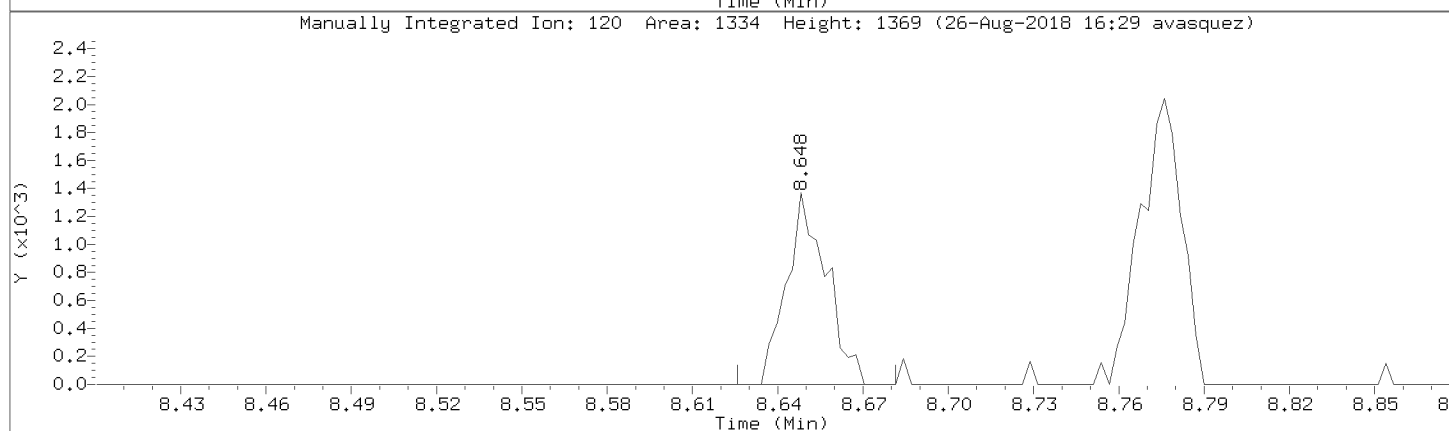
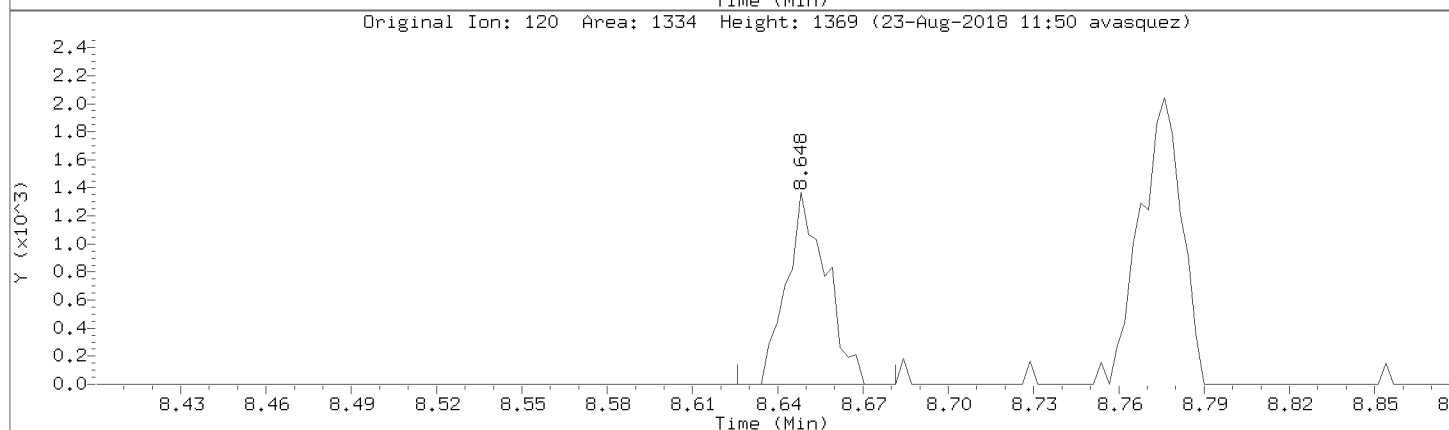
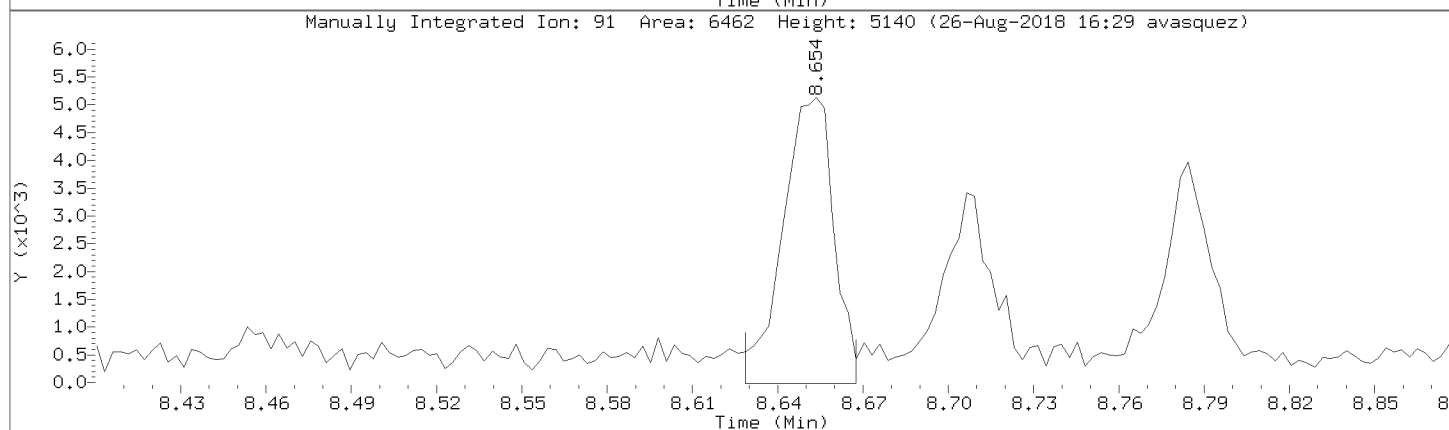
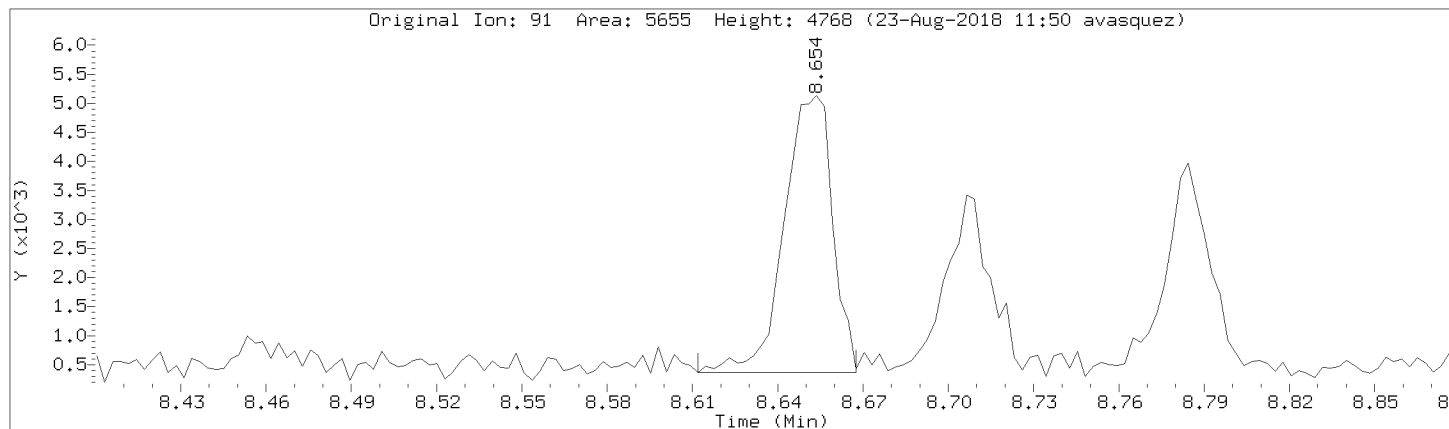
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: n-Propylbenzene

Review Code: NI

CAS Number: 103-65-1



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Injection Date: 22-AUG-2018 14:19

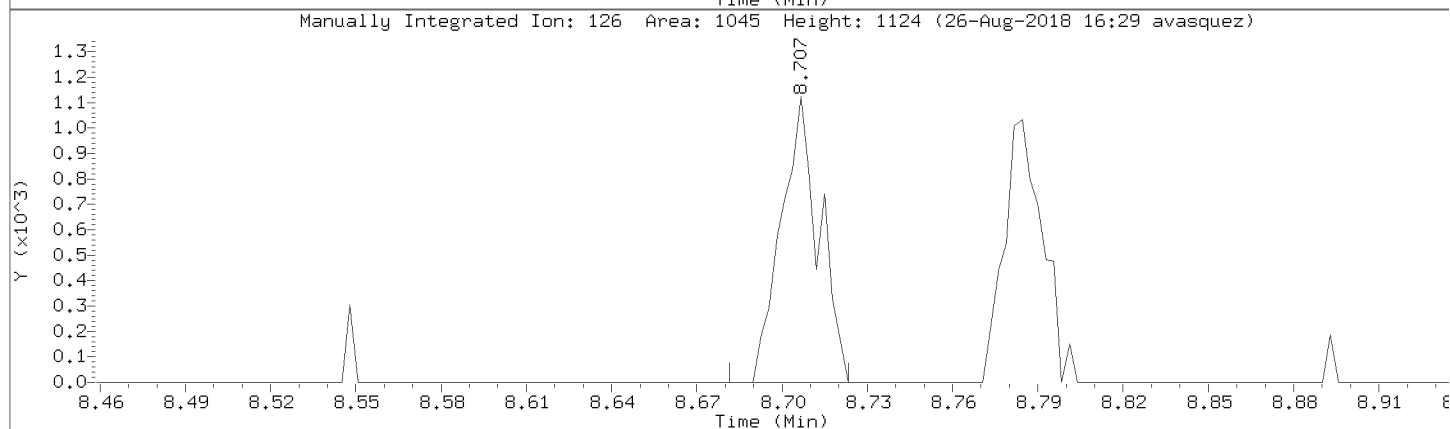
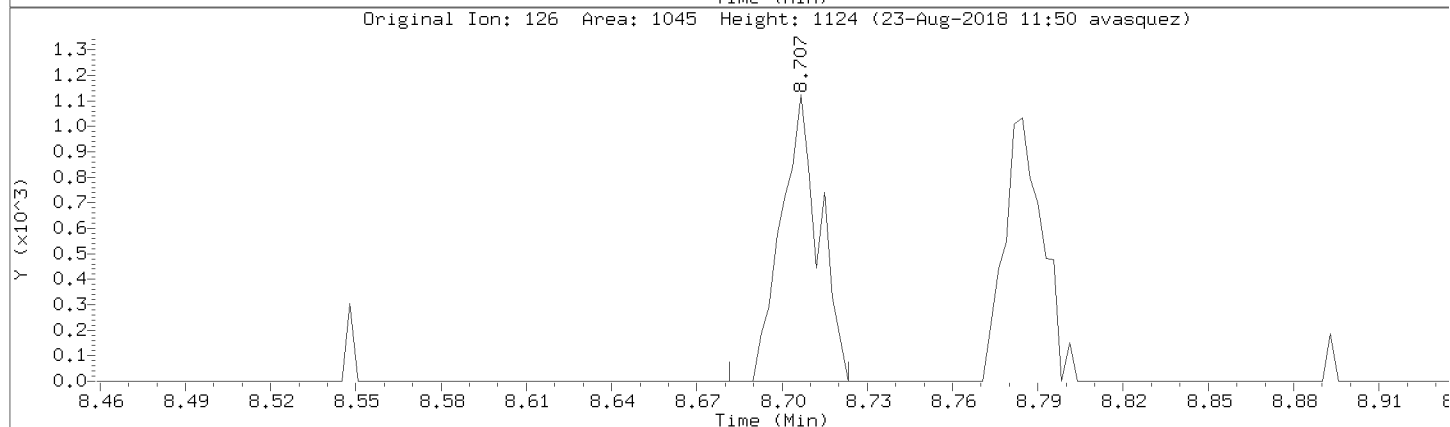
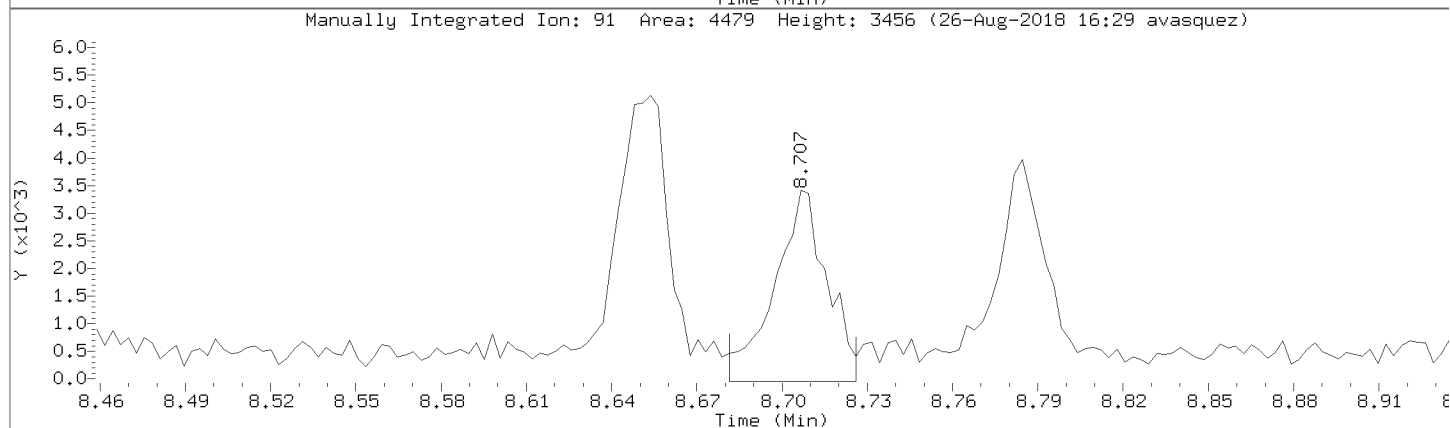
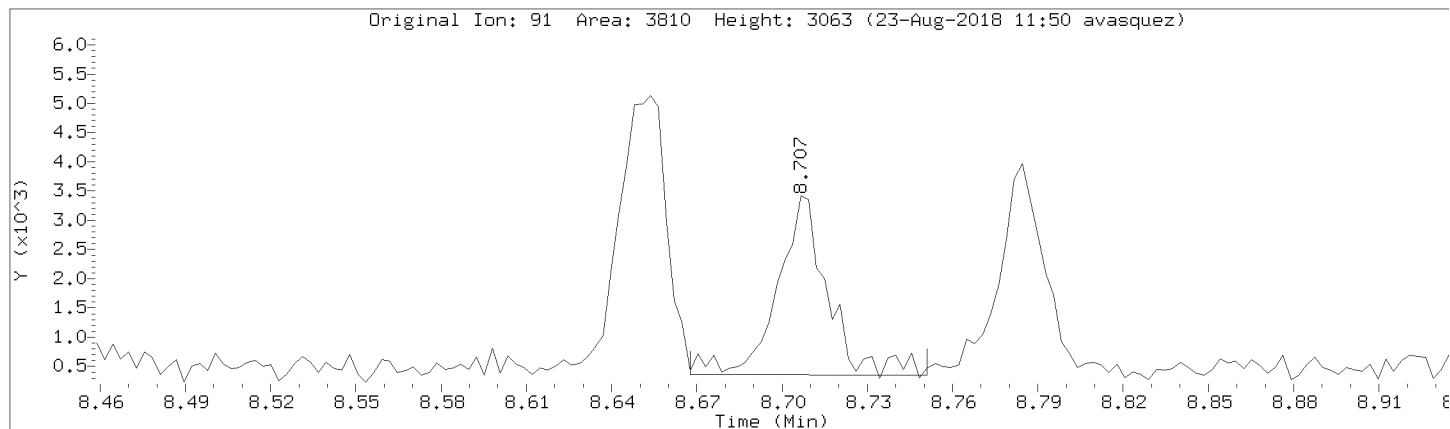
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: 2-Chlorotoluene

Review Code: NI

CAS Number: 95-49-8



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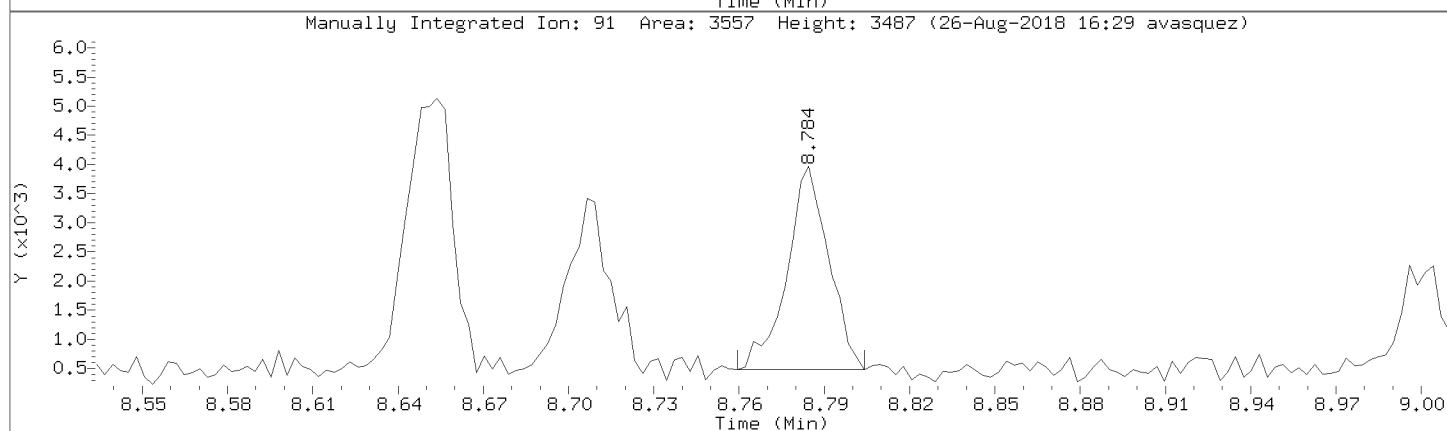
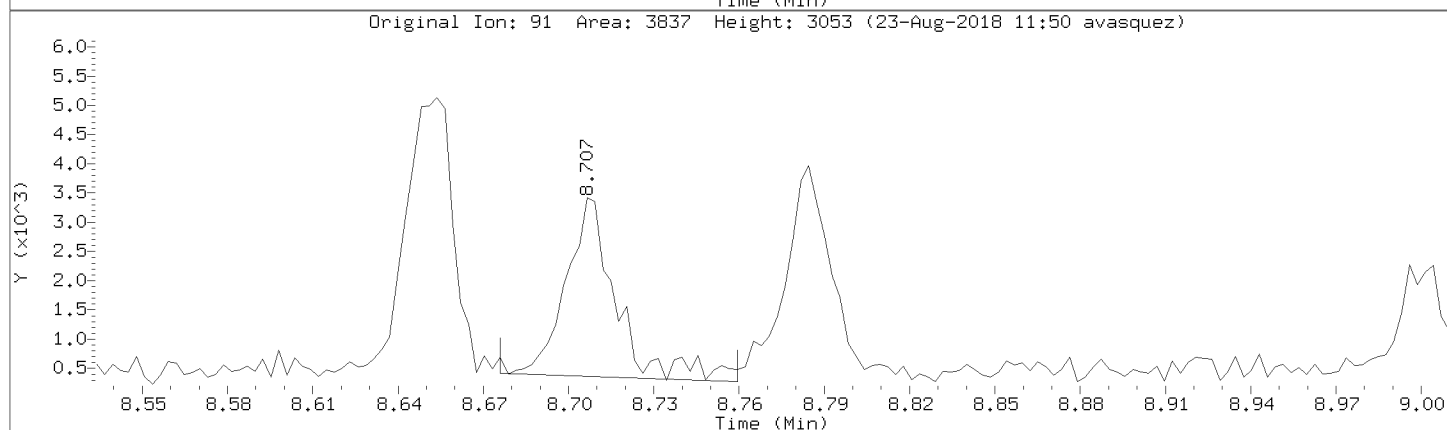
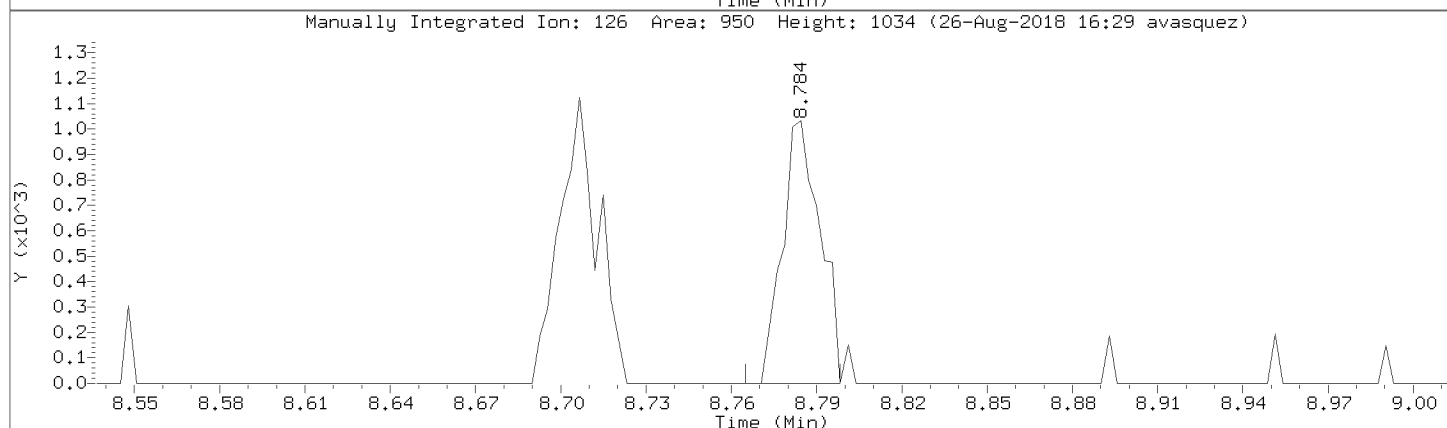
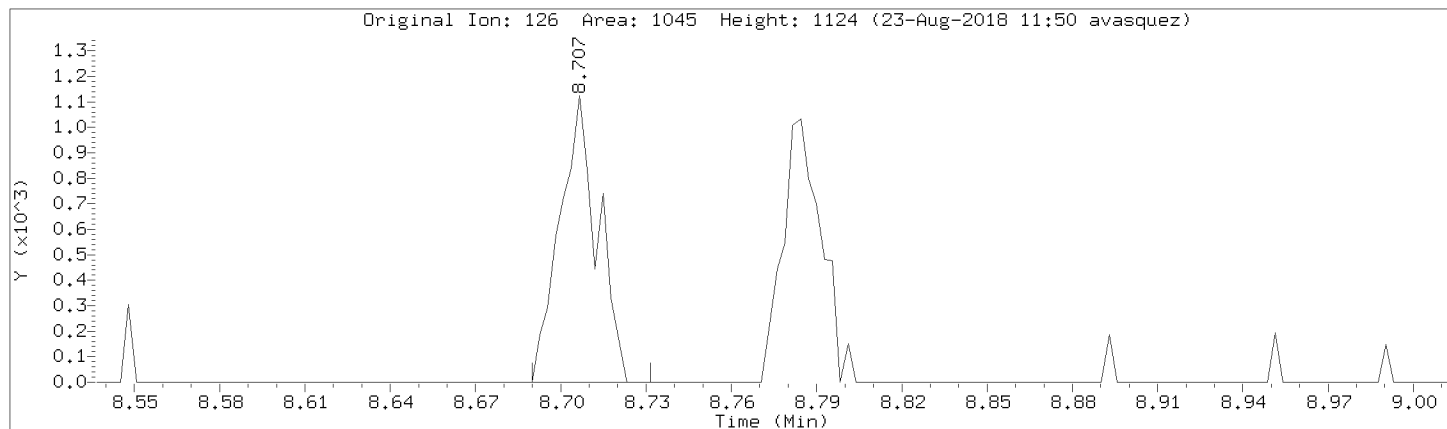
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: 4-Chlorotoluene

Review Code: WP

CAS Number: 106-43-4



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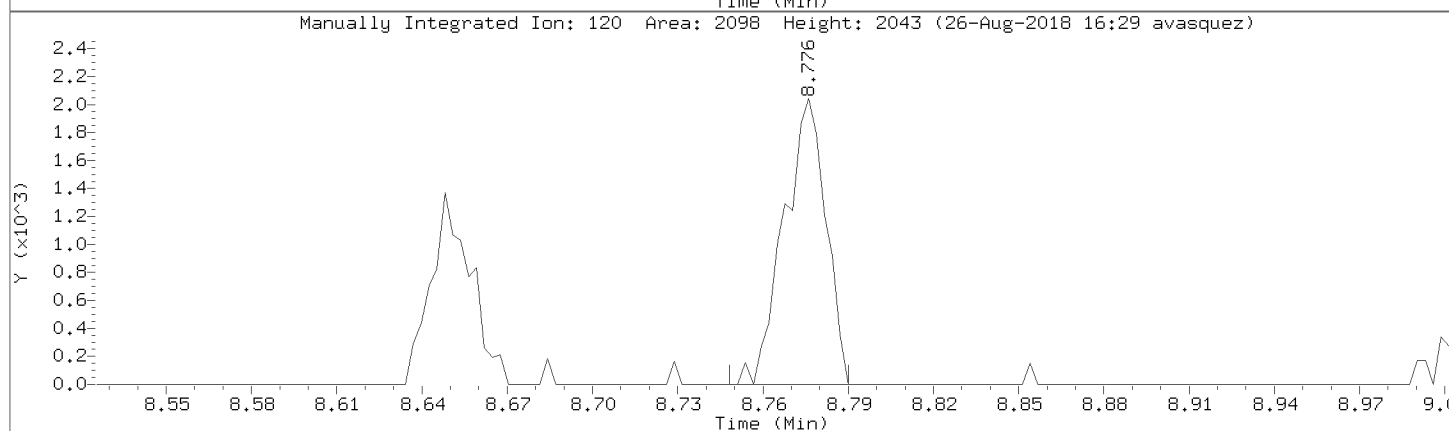
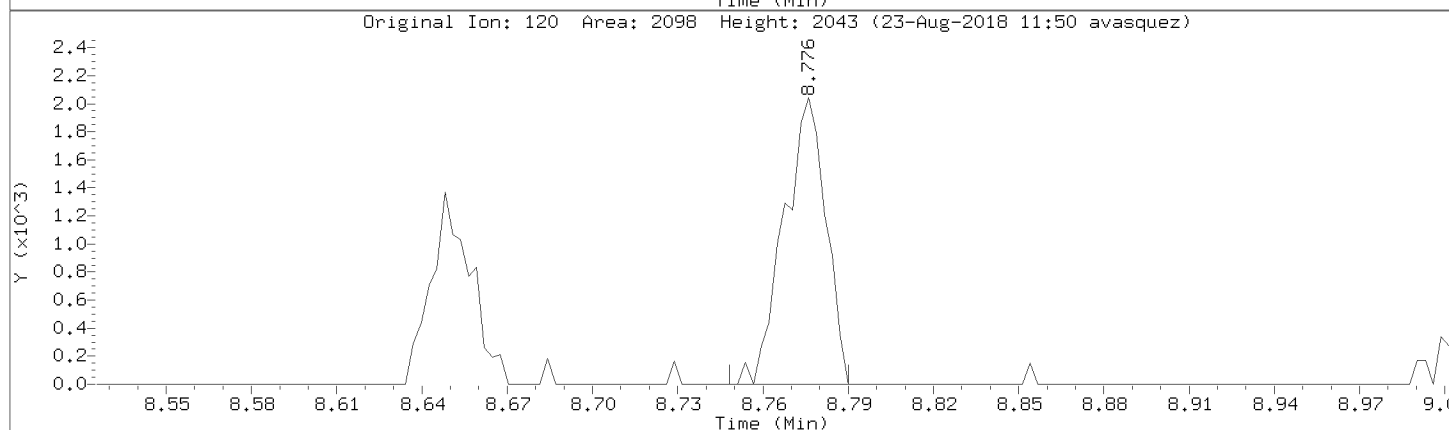
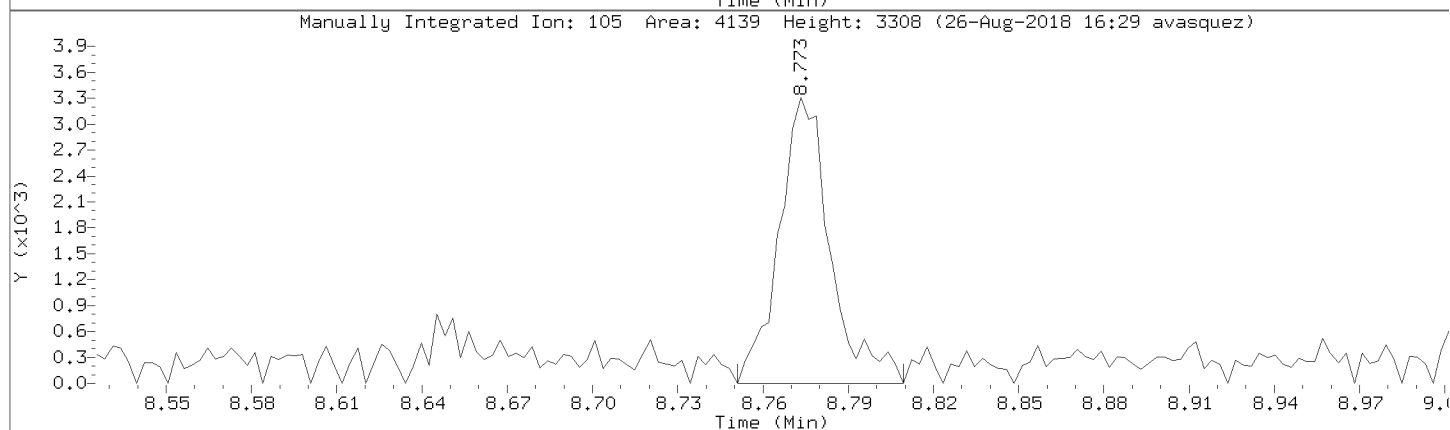
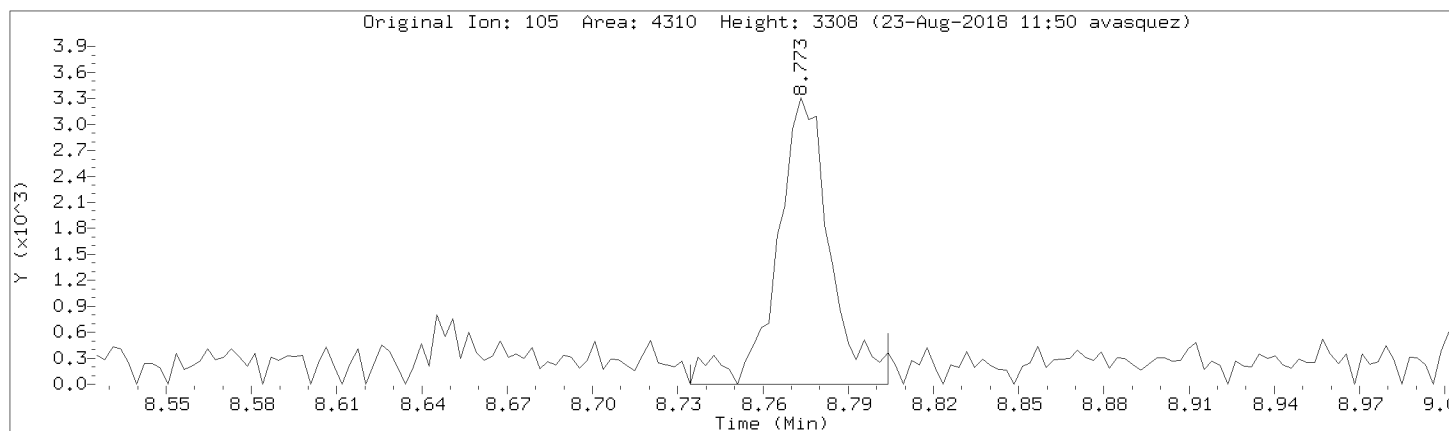
Instrument: 50mv2a.i

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

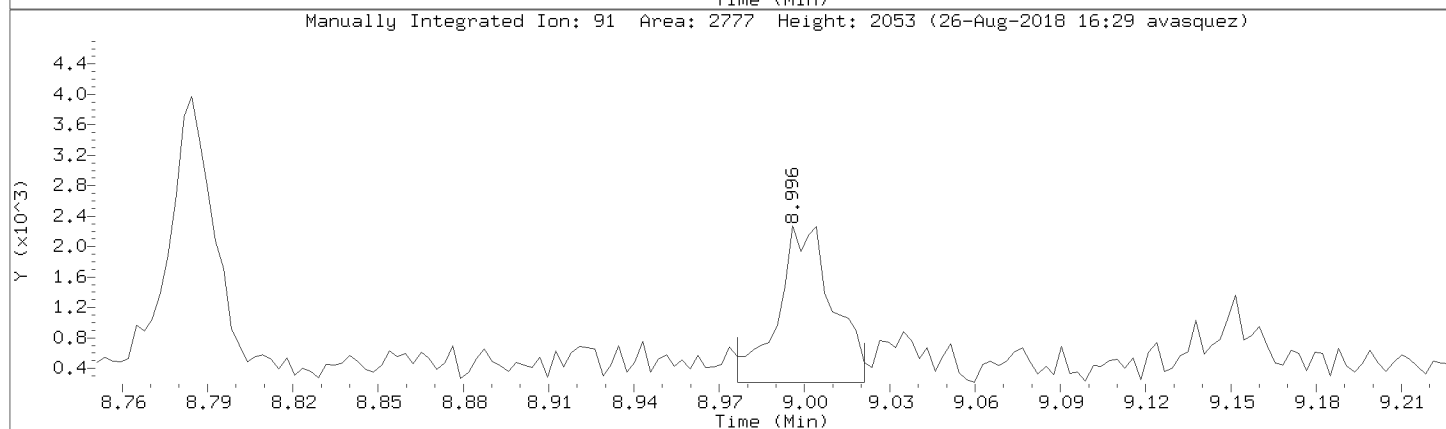
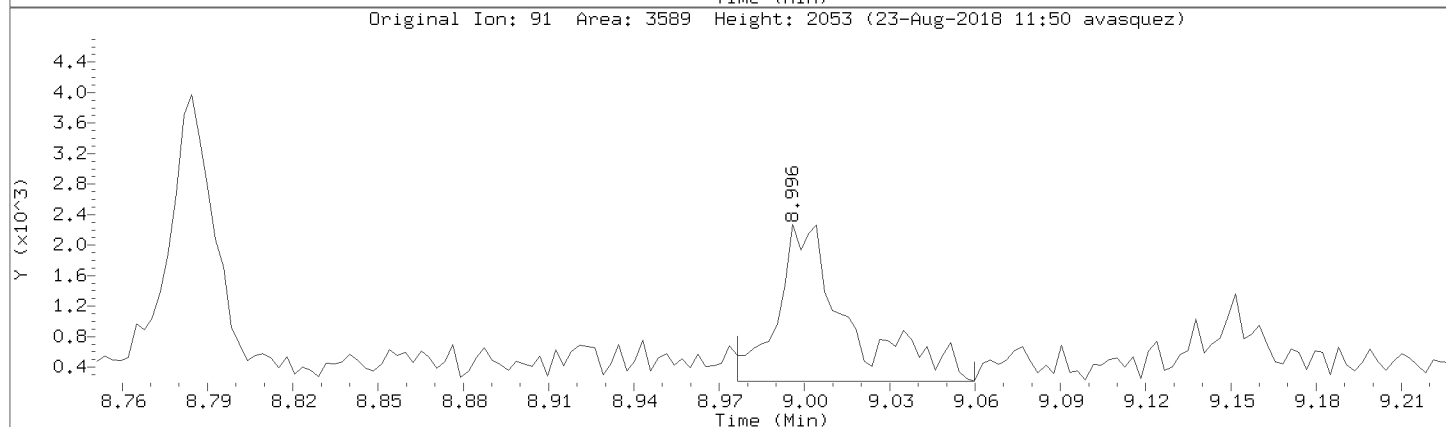
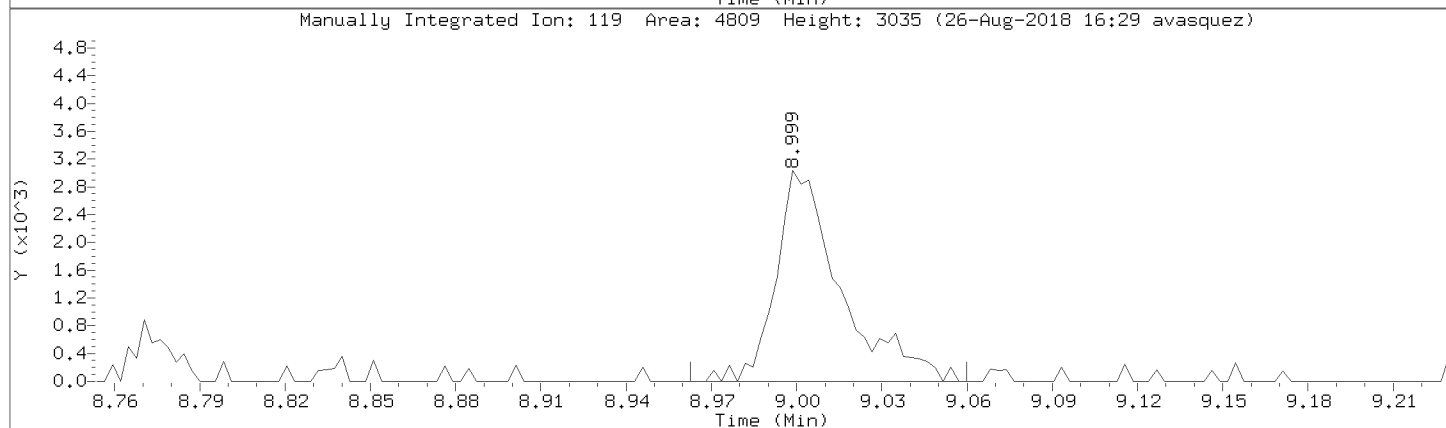
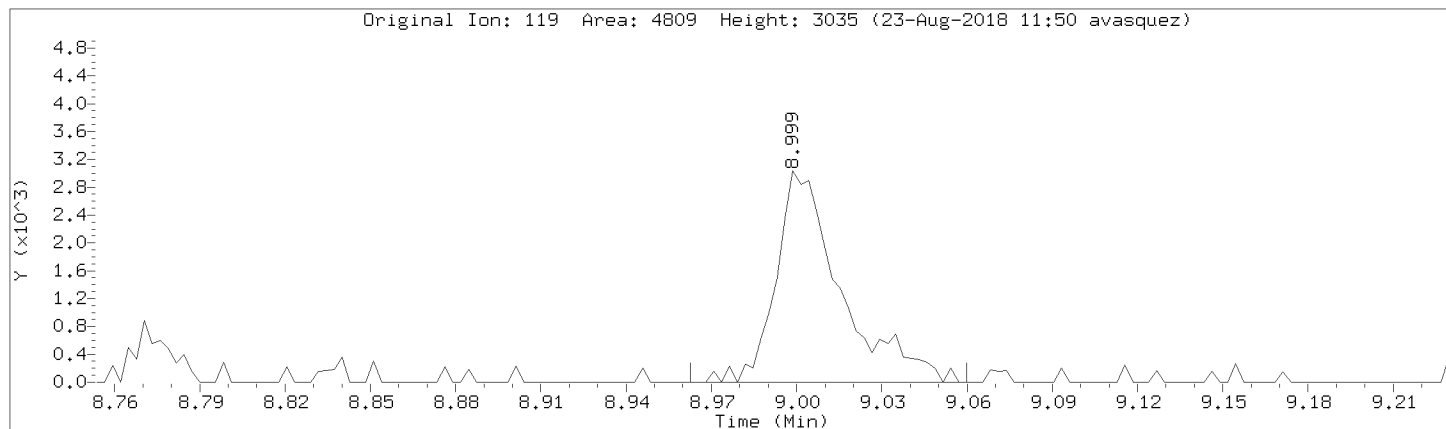
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: tert-Butylbenzene

Review Code: GT

CAS Number: 98-06-6

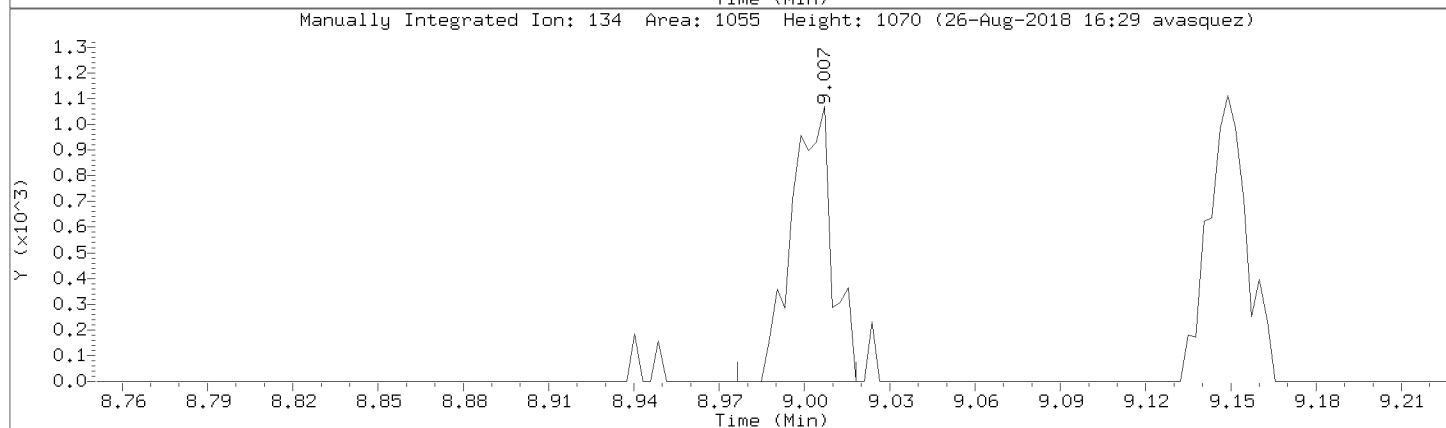
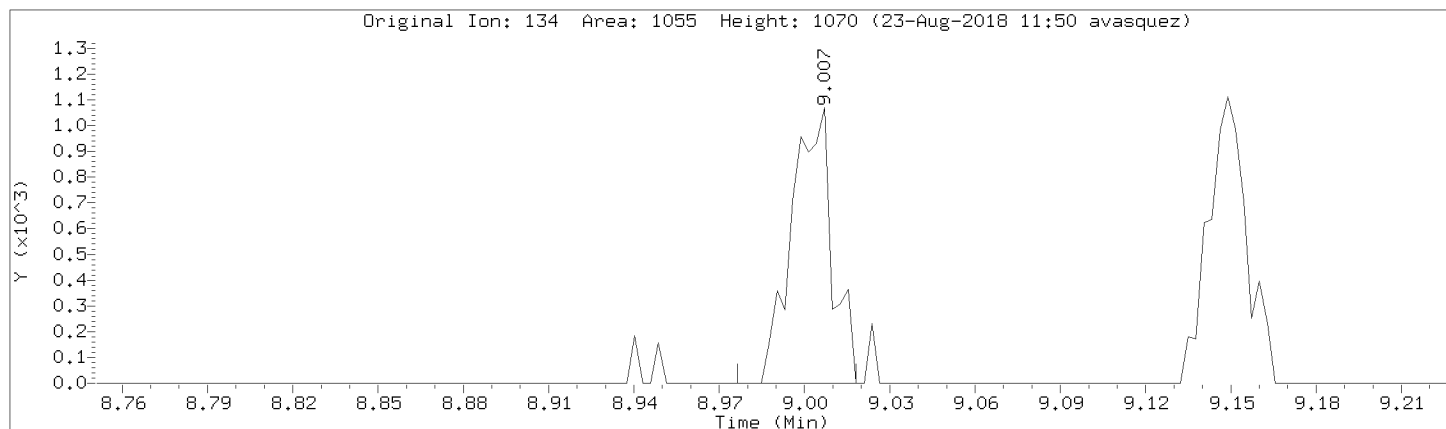


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Injection Date: 22-AUG-2018 14:19

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1



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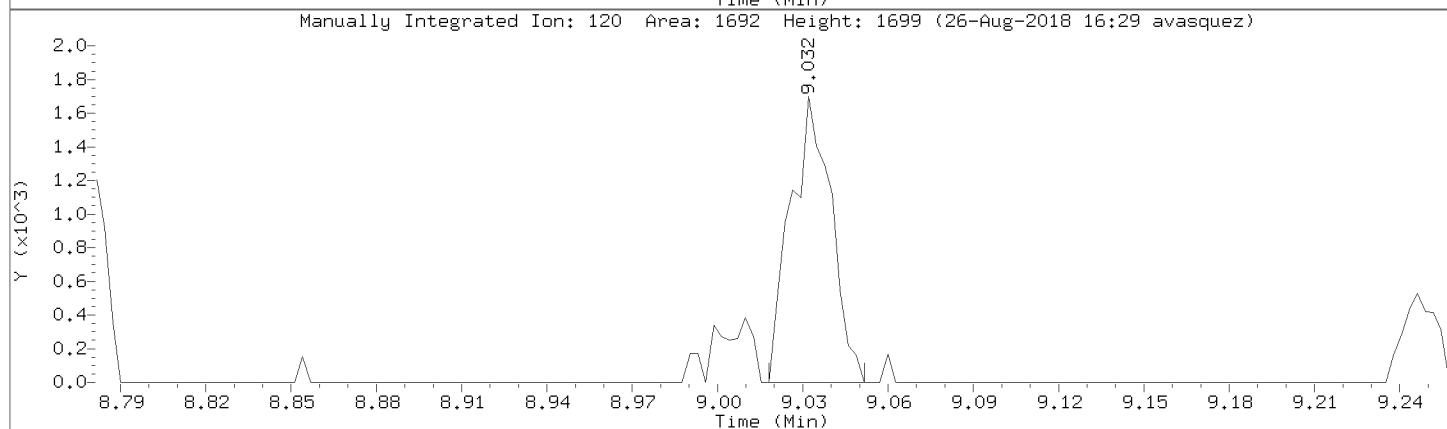
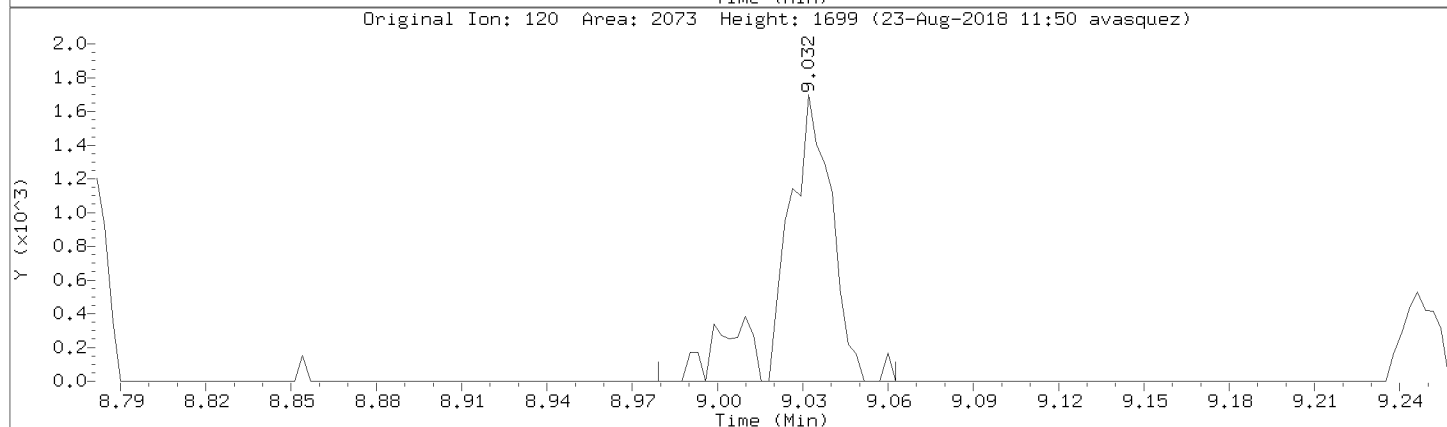
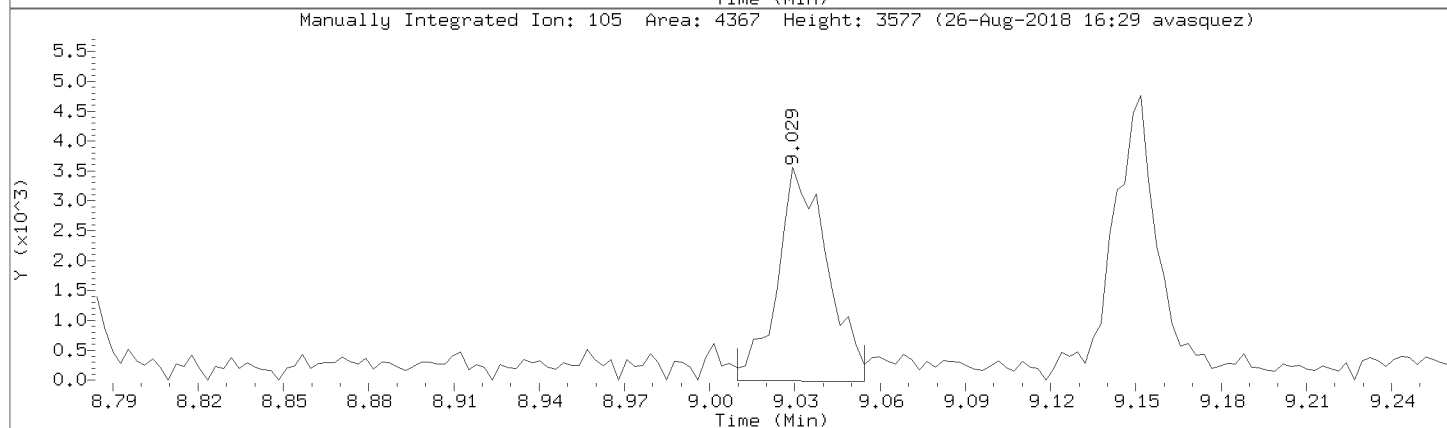
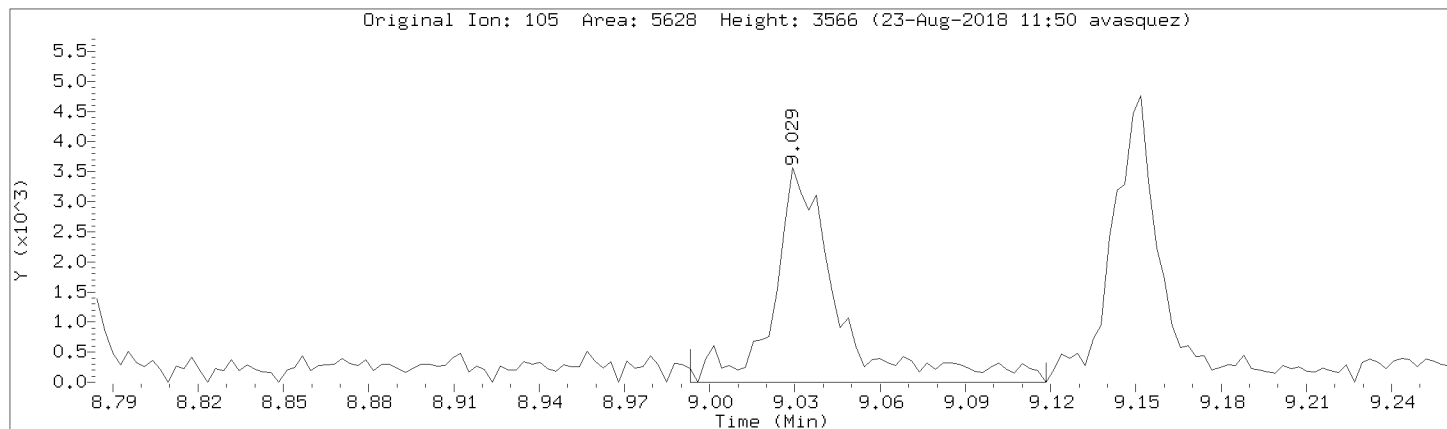
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: 1,2,4-Trimethylbenzene

Review Code: GT

CAS Number: 95-63-6



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Injection Date: 22-AUG-2018 14:19

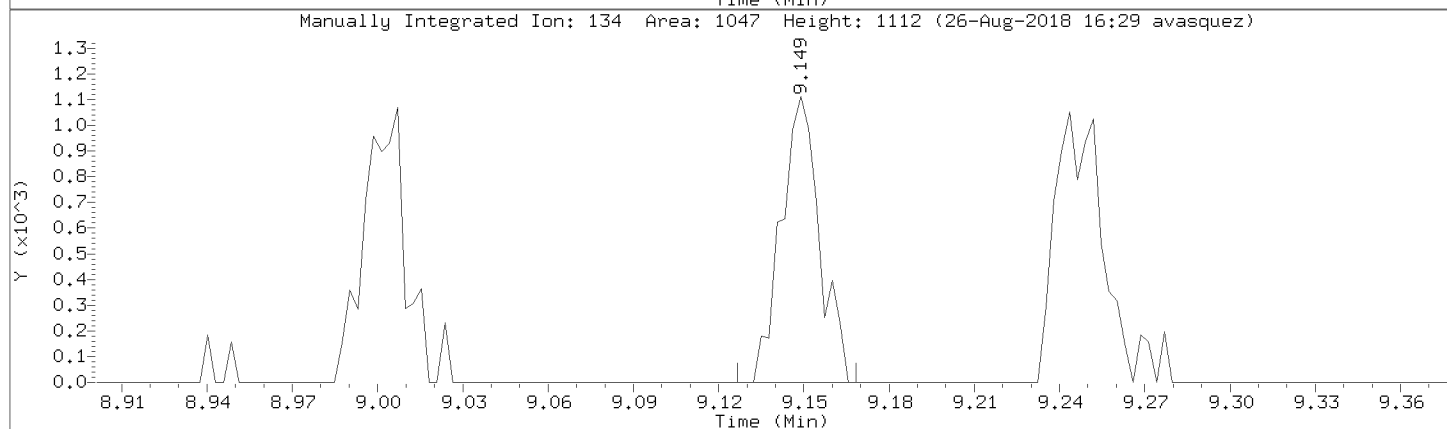
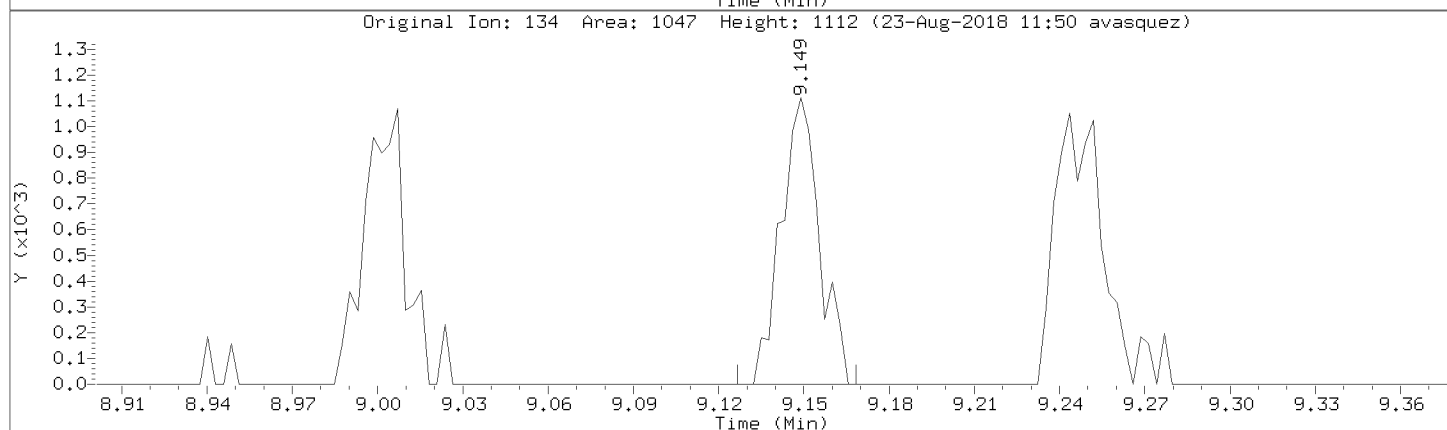
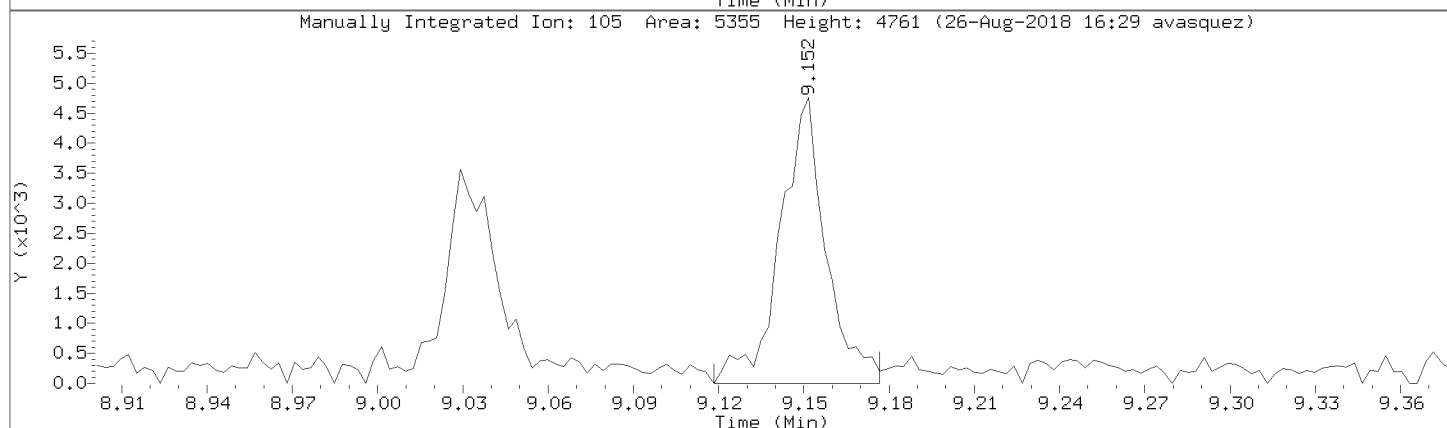
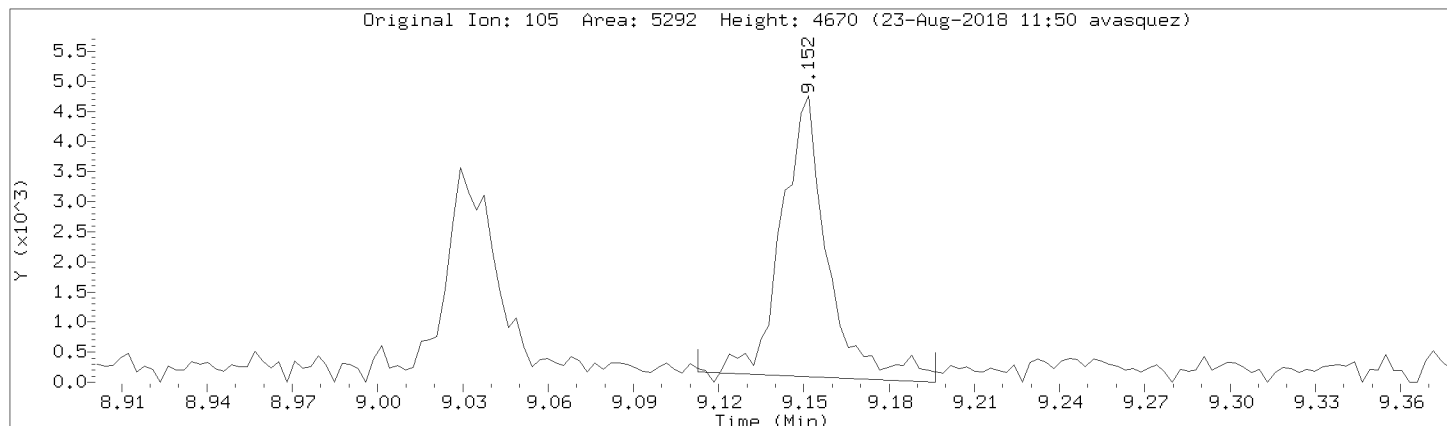
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: sec-Butylbenzene

Review Code: NI

CAS Number: 135-98-8



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Injection Date: 22-AUG-2018 14:19

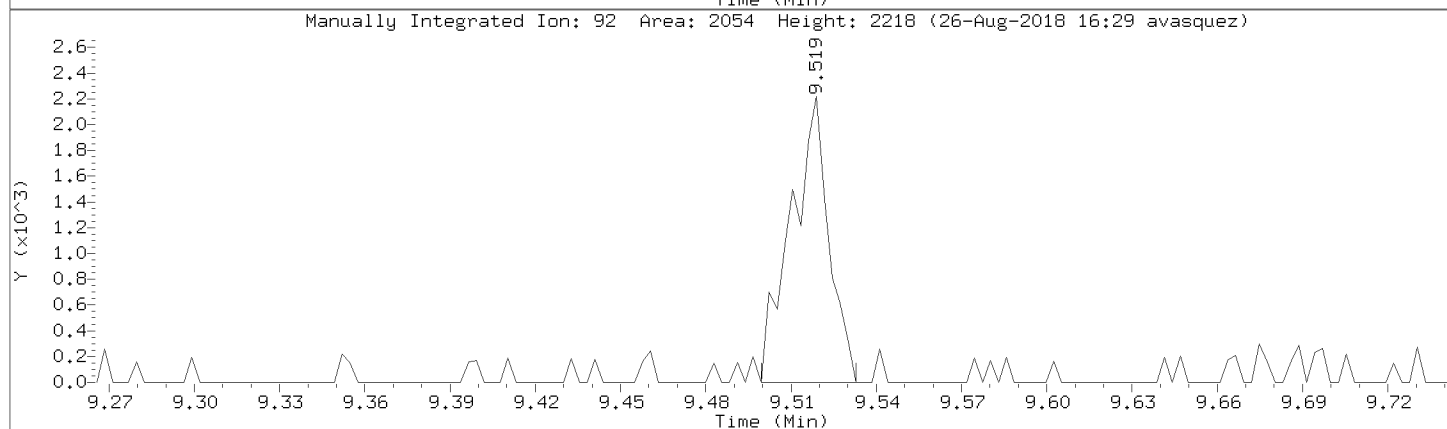
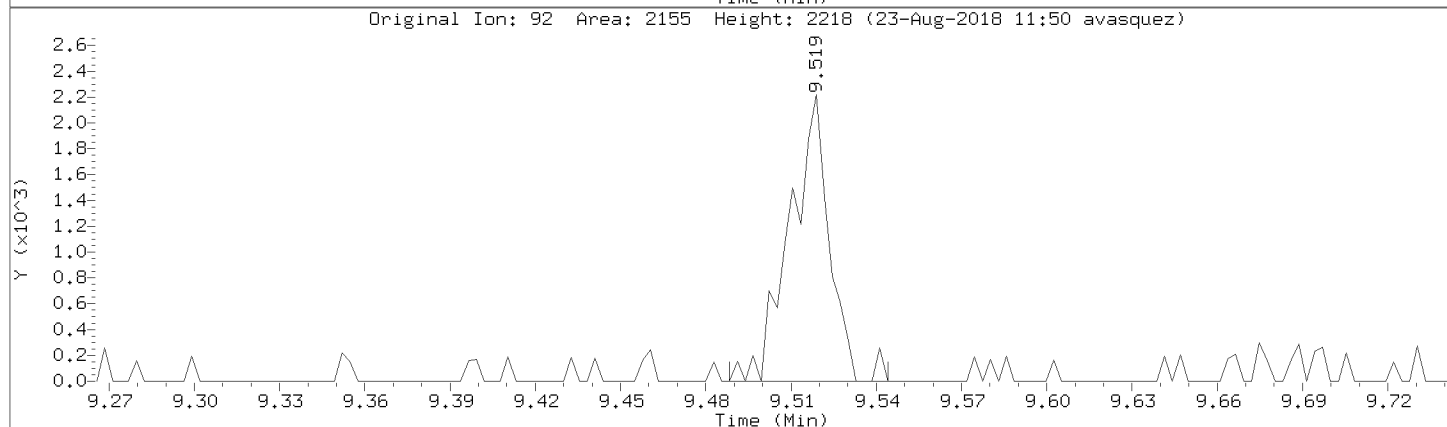
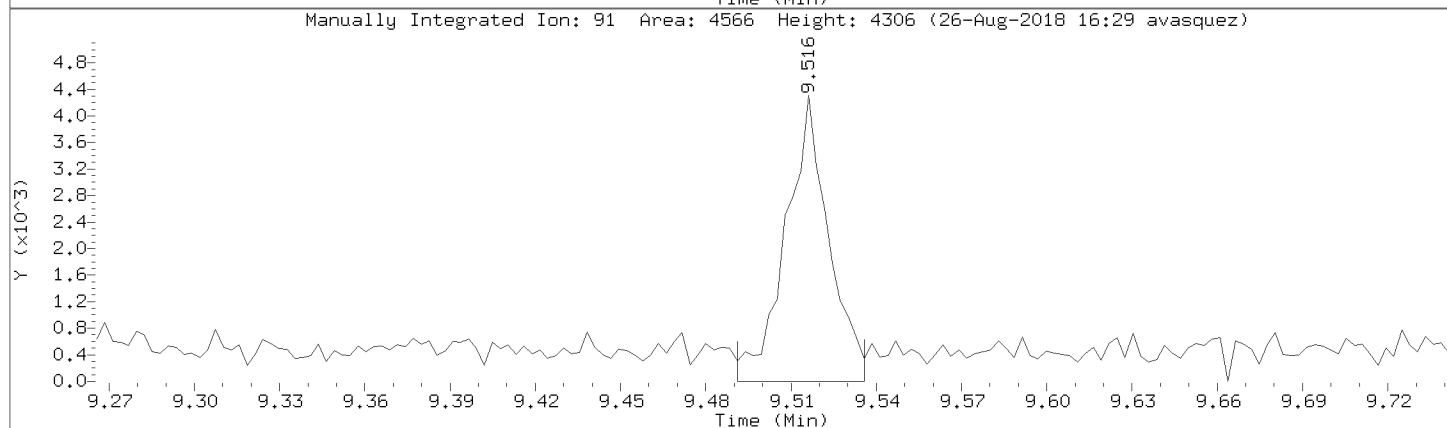
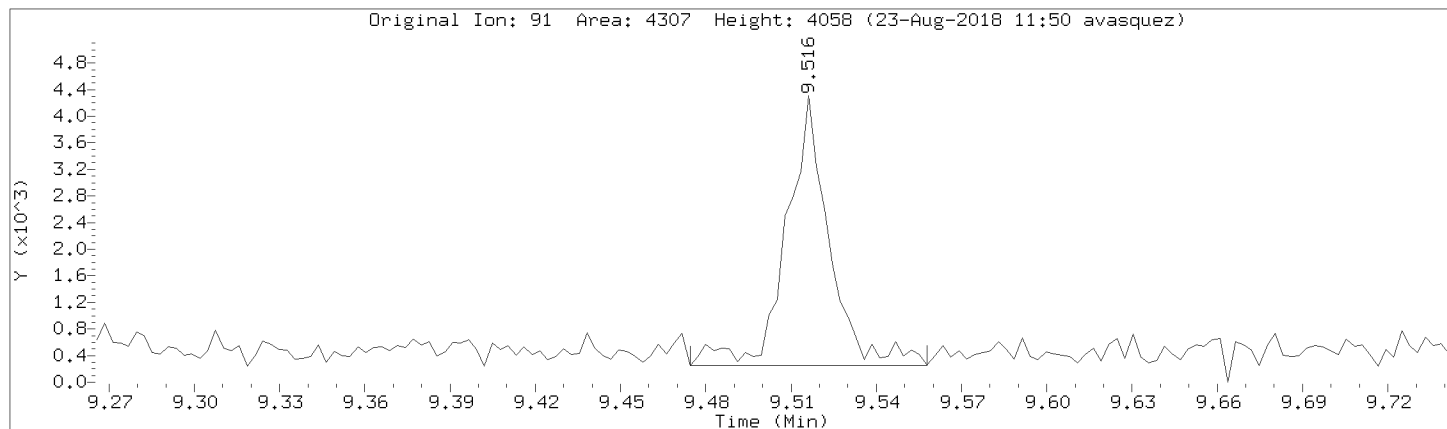
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

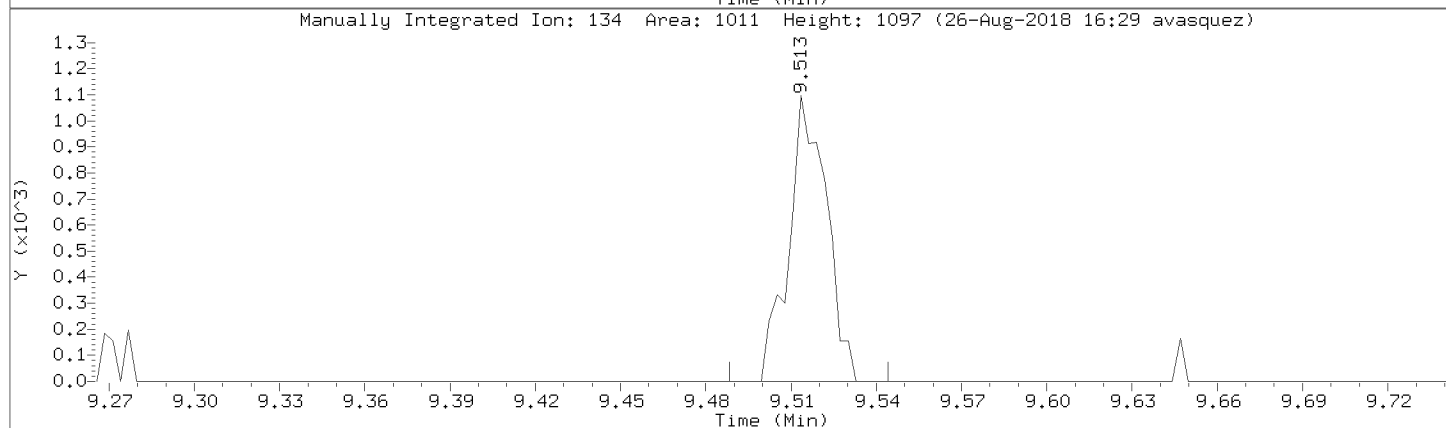
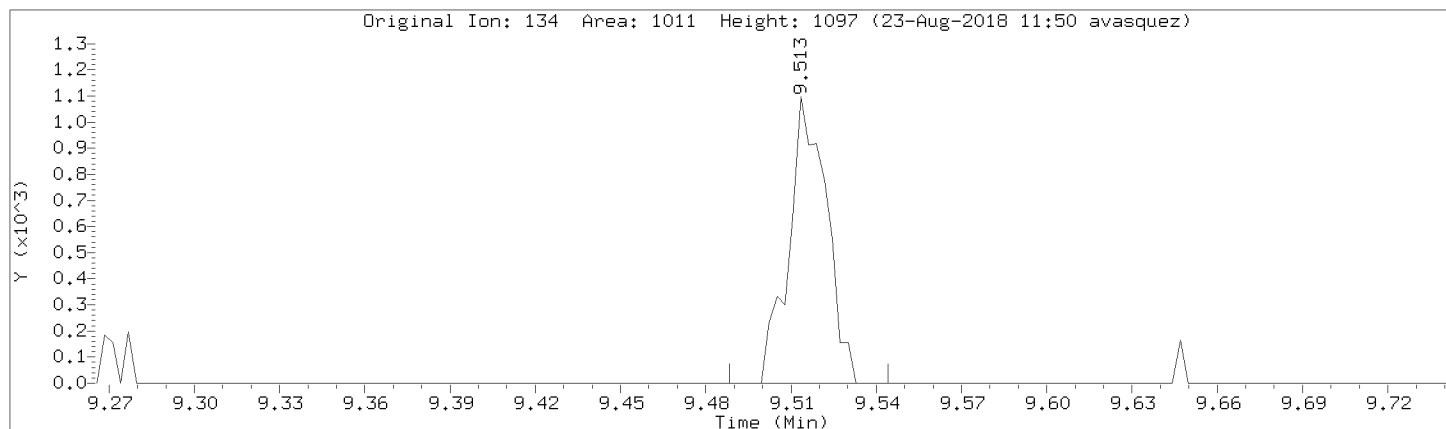
Compound: n-Butylbenzene

Review Code: GT

CAS Number: 104-51-8

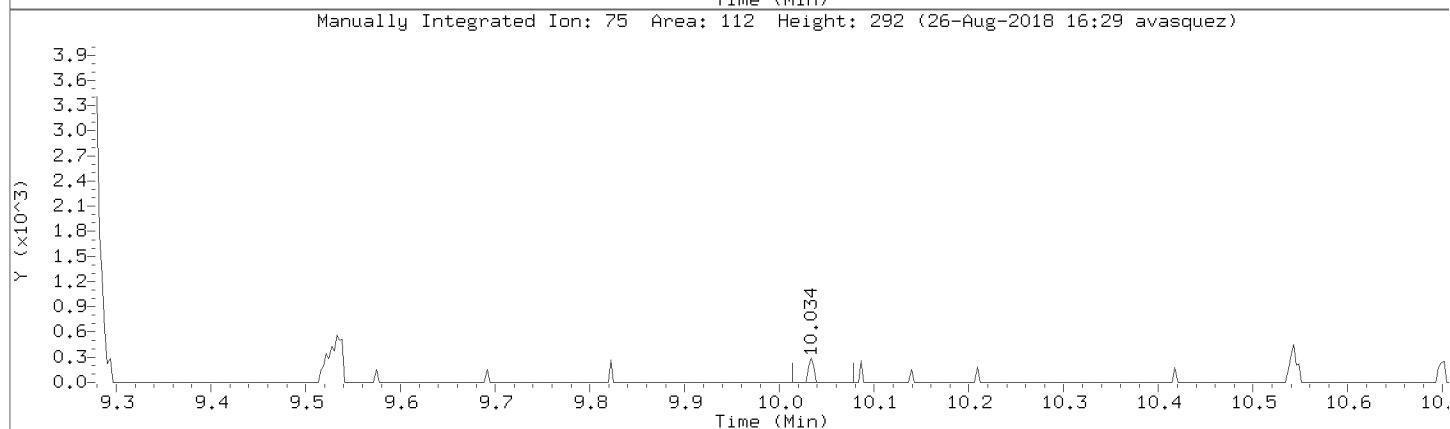
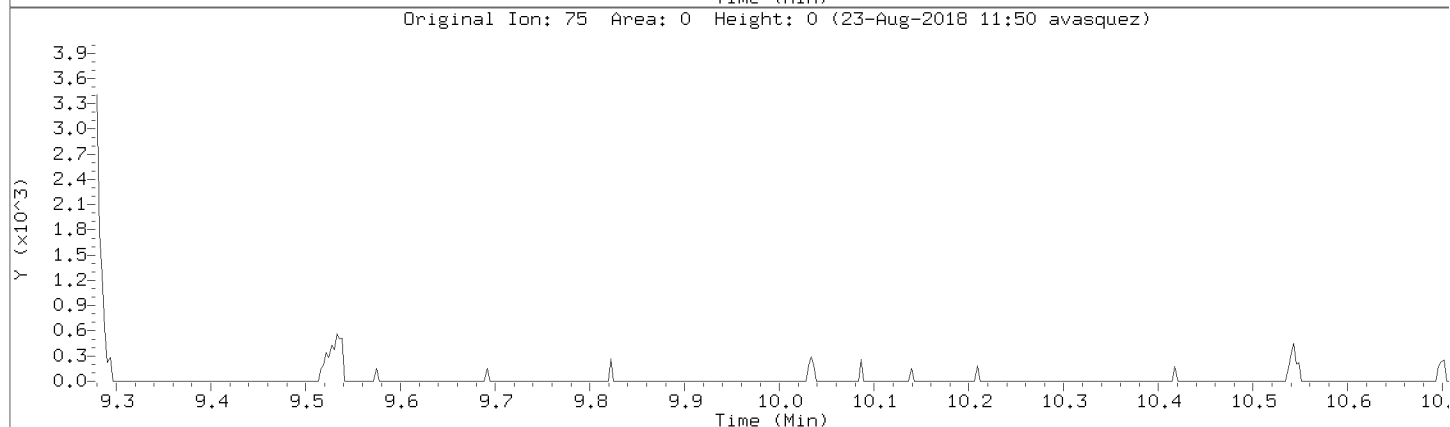
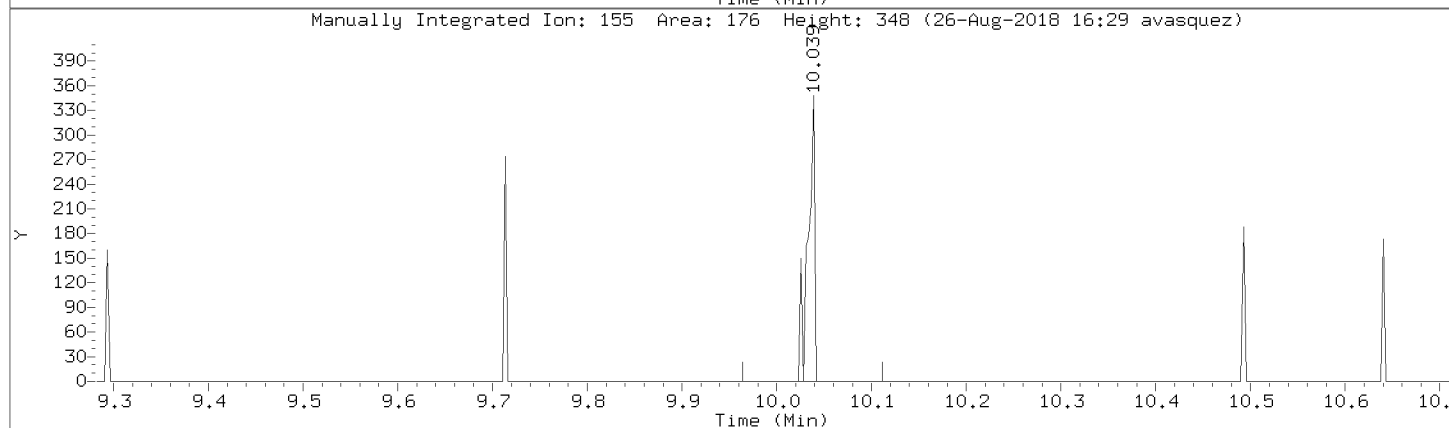
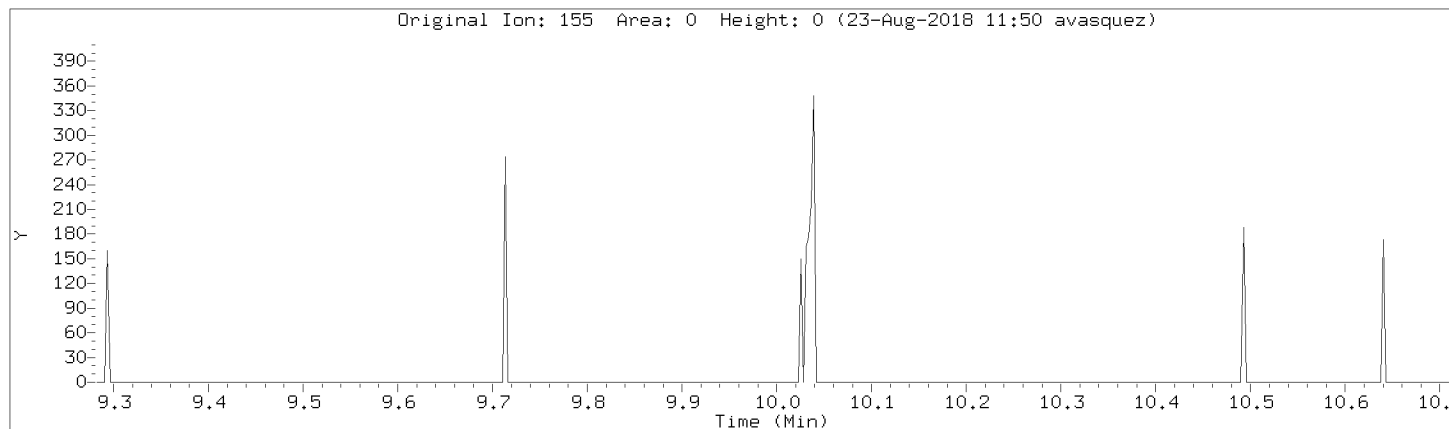


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

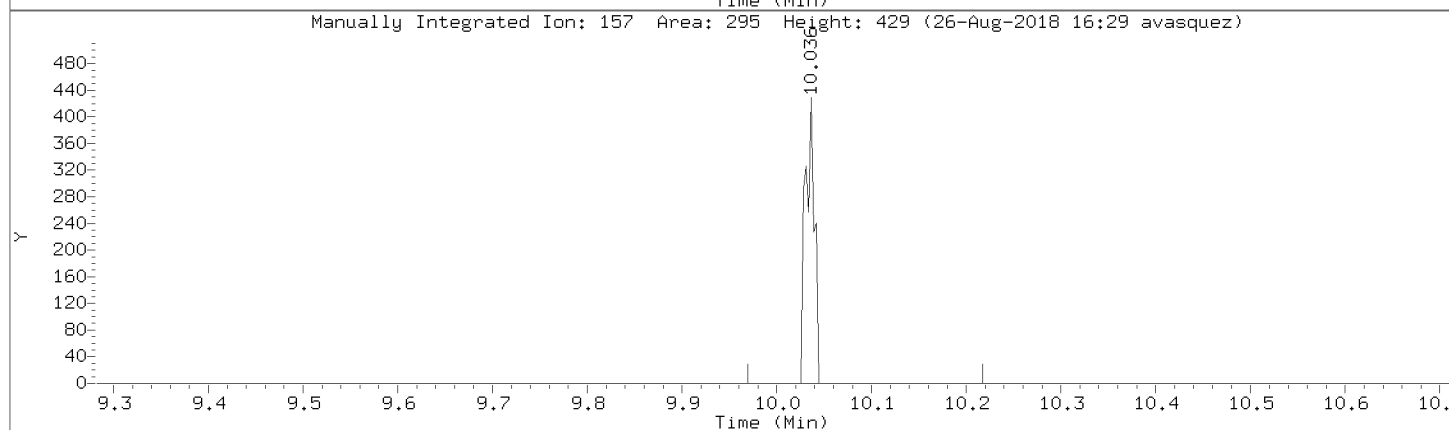
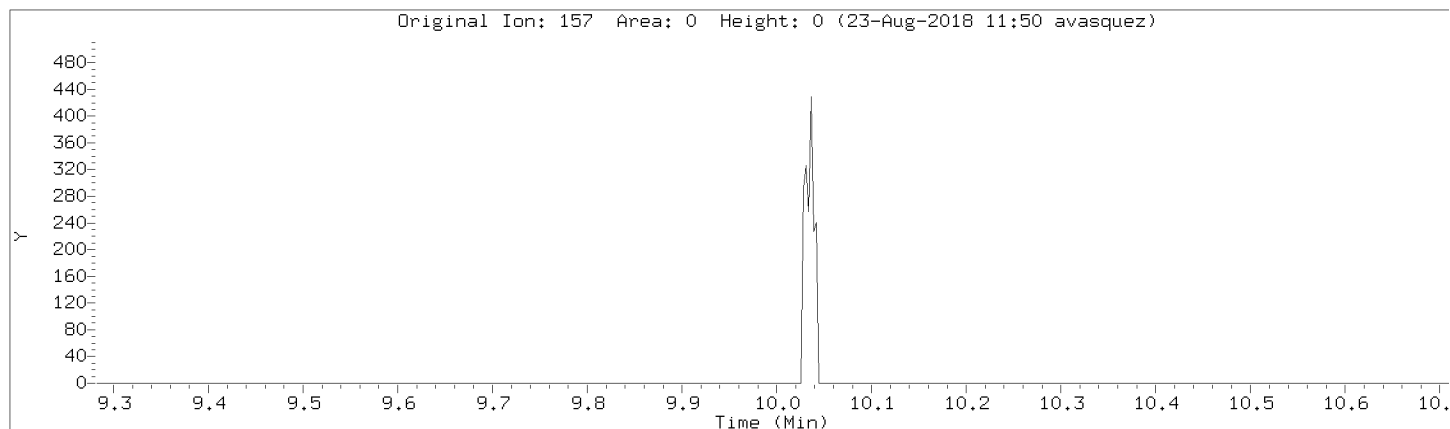


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

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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Injection Date: 22-AUG-2018 14:19

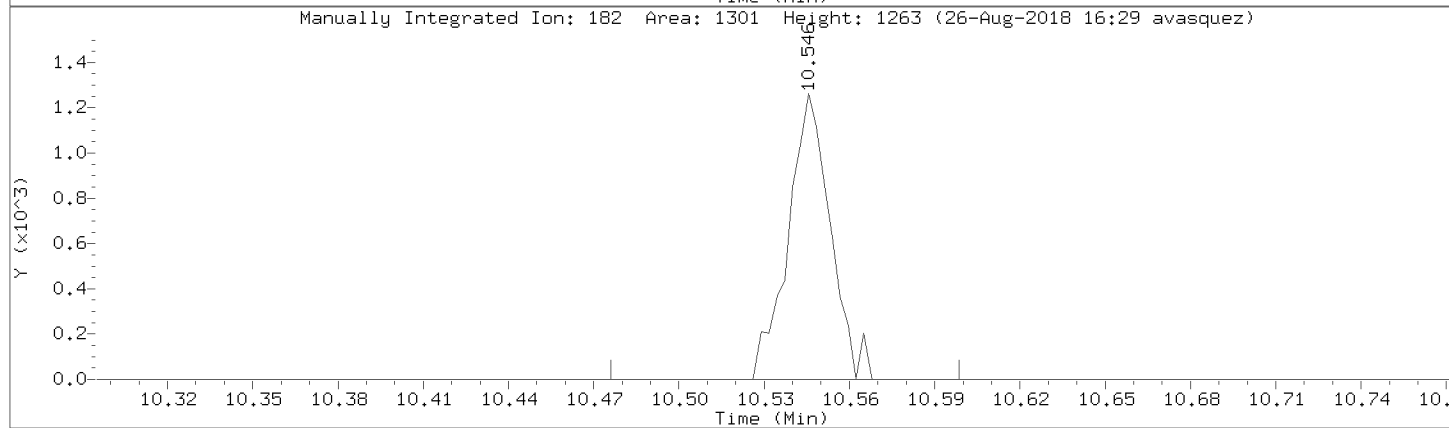
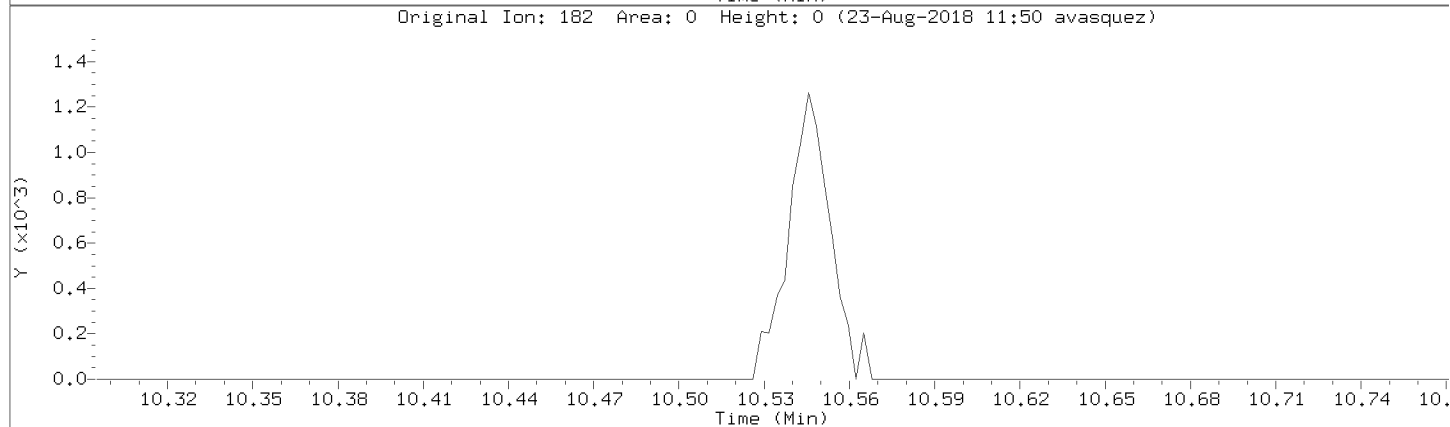
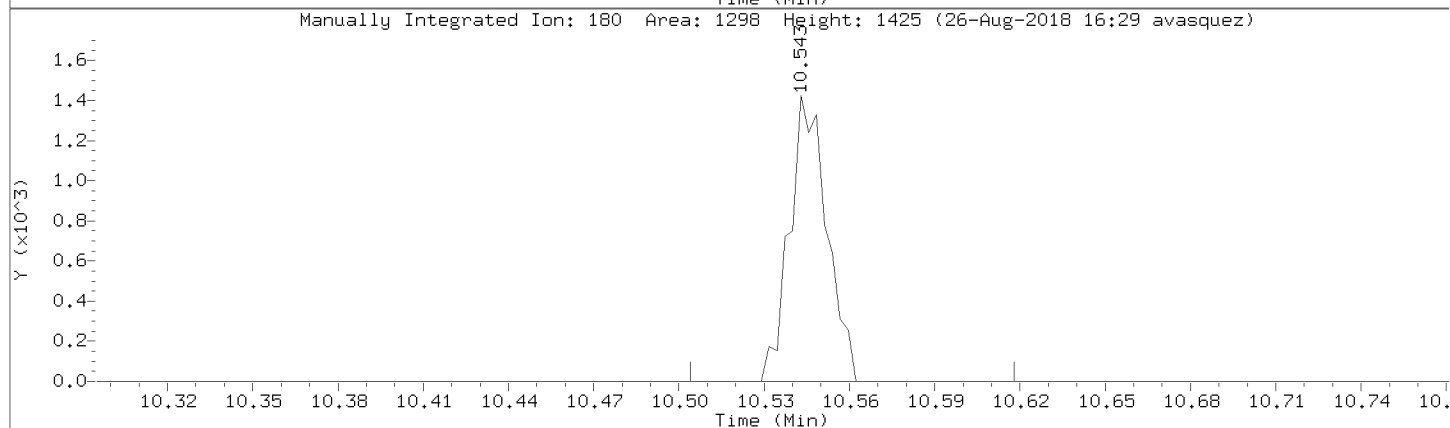
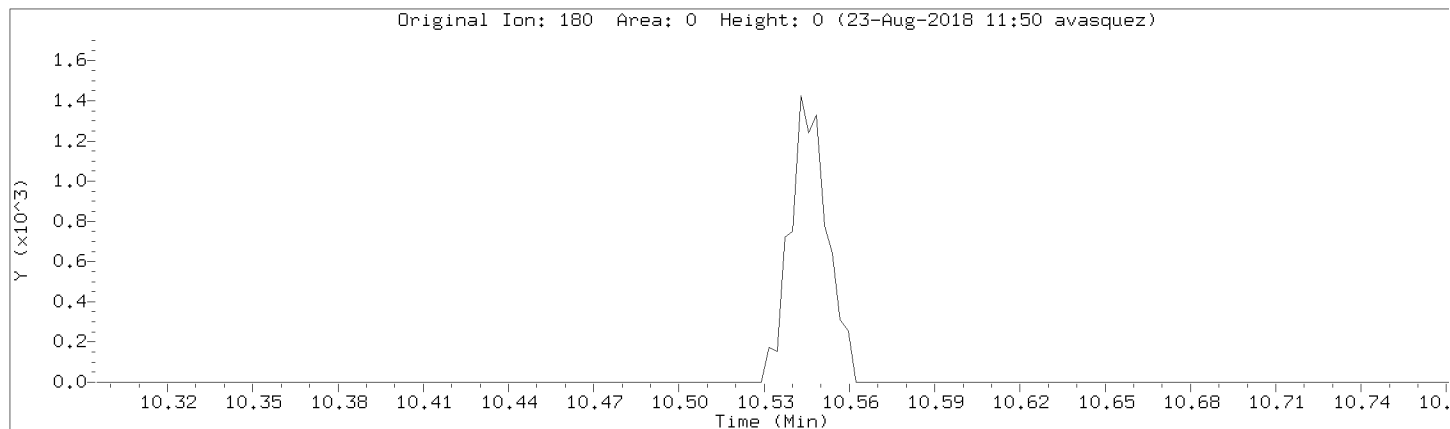
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

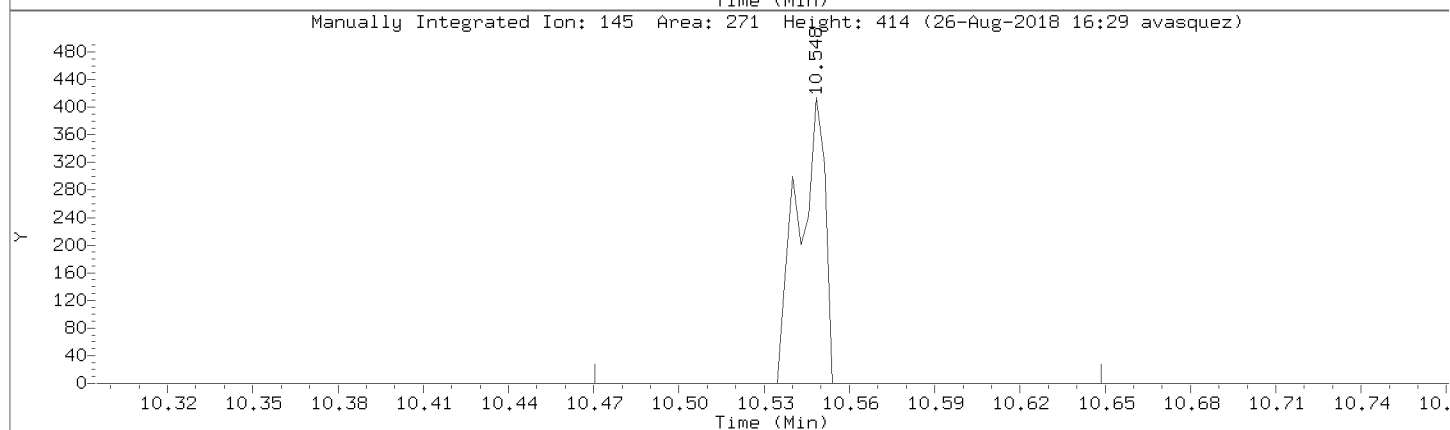
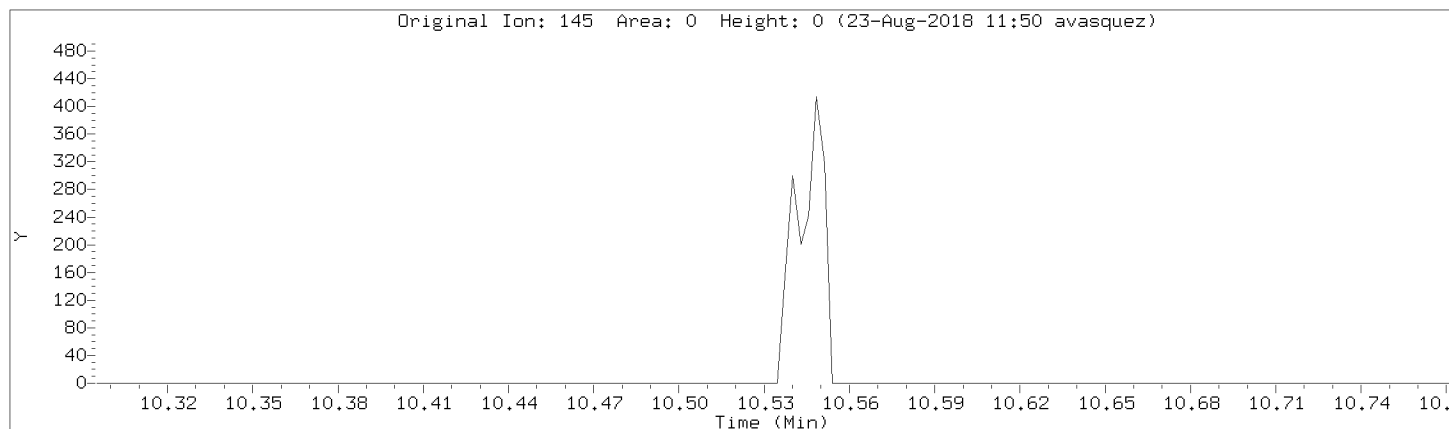
Compound: 1,2,4-Trichlorobenzene

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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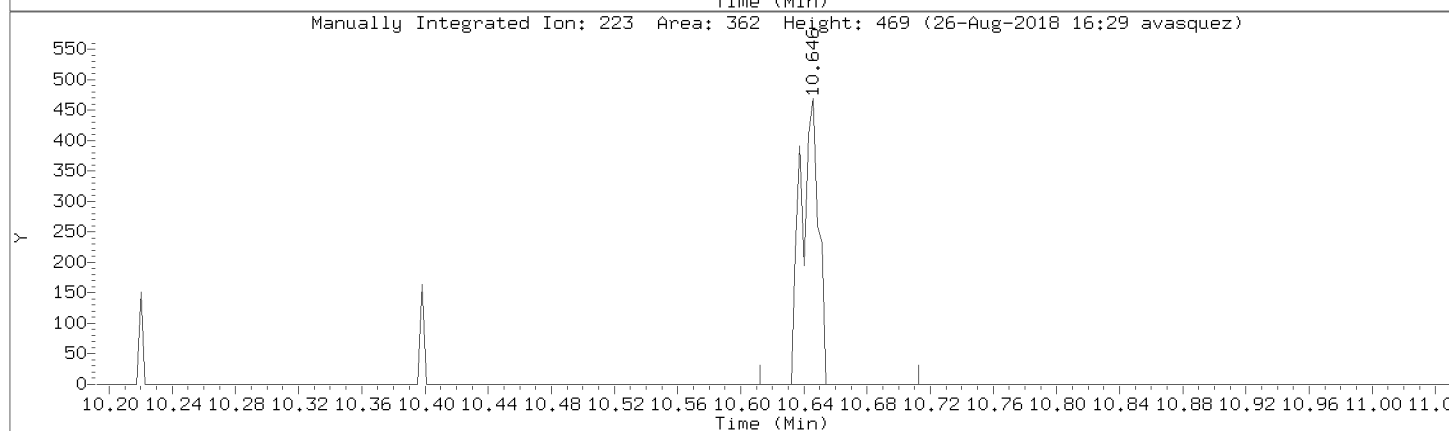
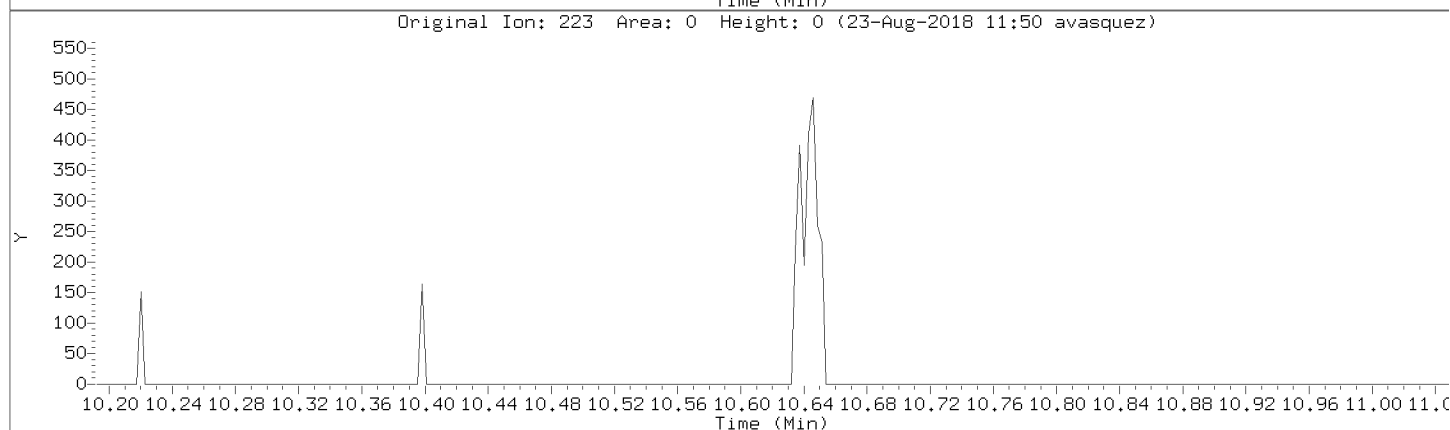
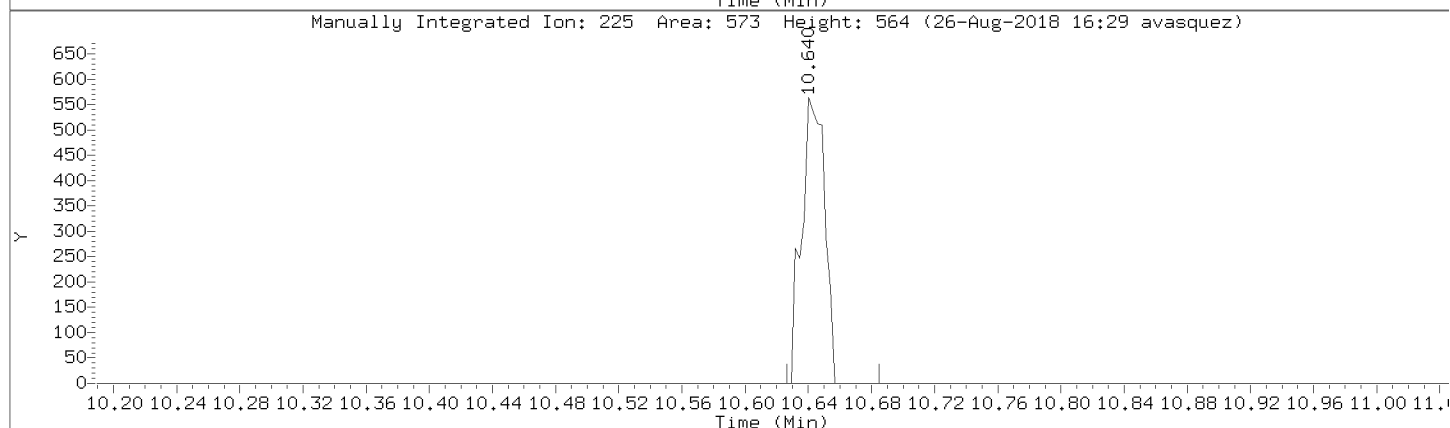
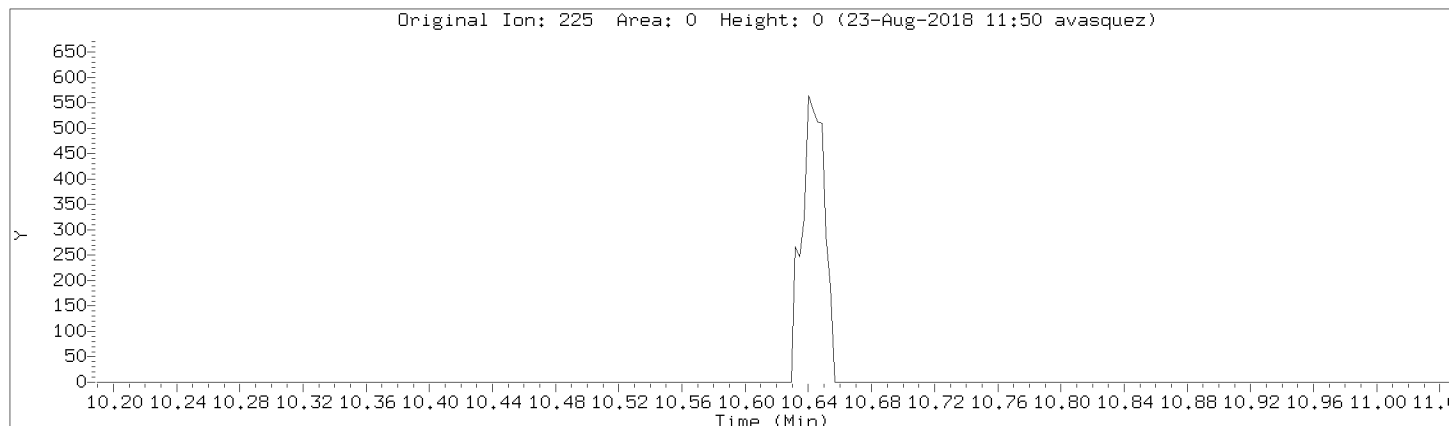
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

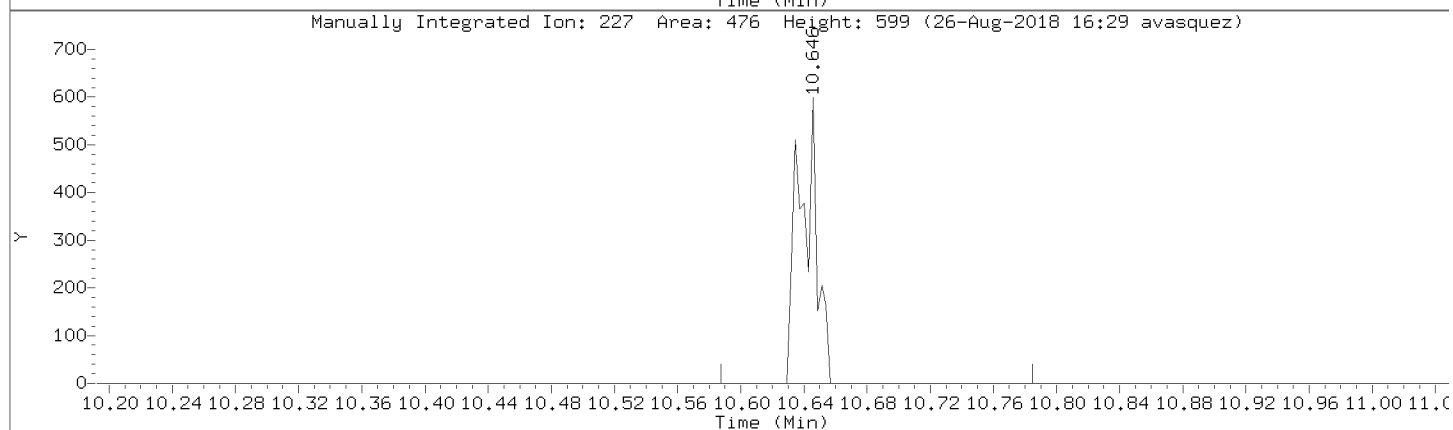
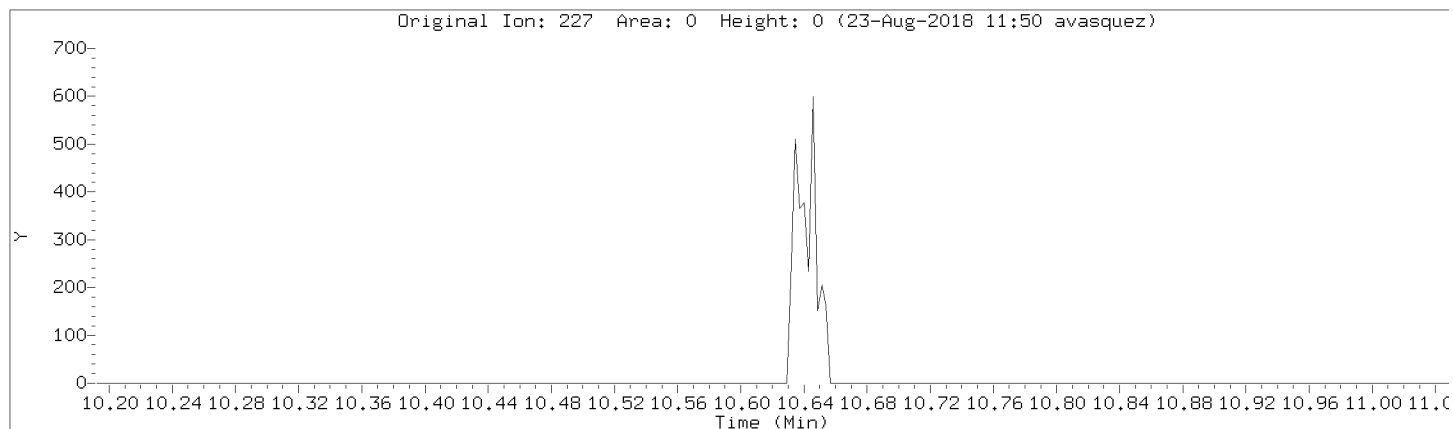
Compound: Hexachlorobutadiene

Review Code: NI

CAS Number: 87-68-3



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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Injection Date: 22-AUG-2018 14:19

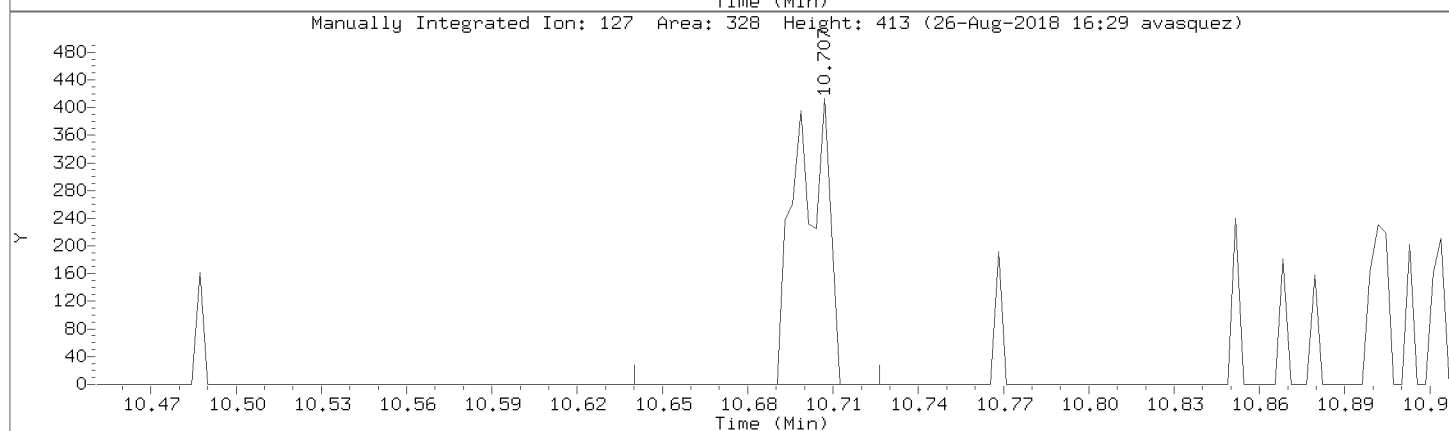
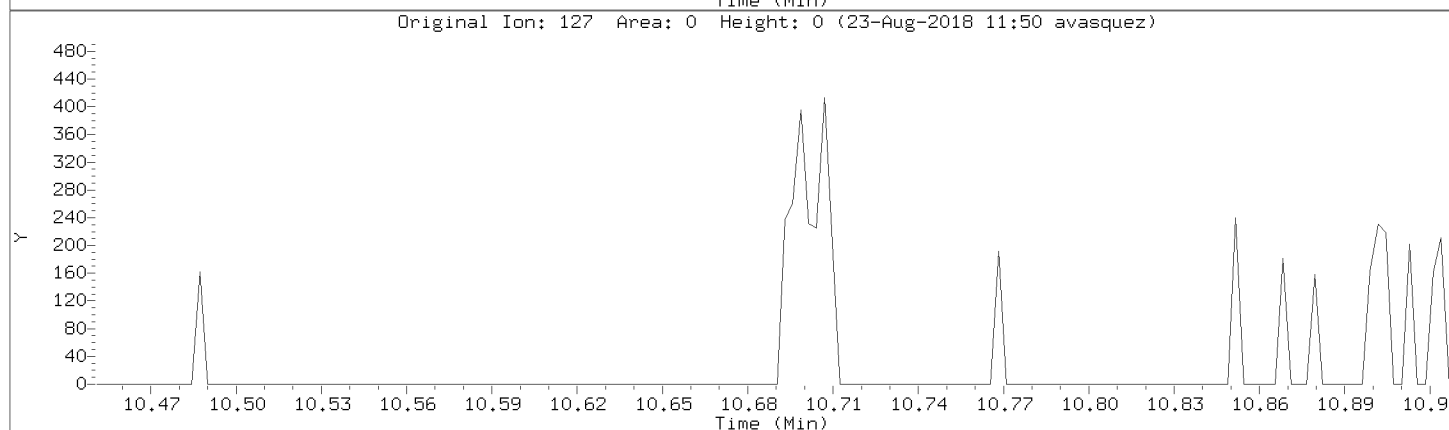
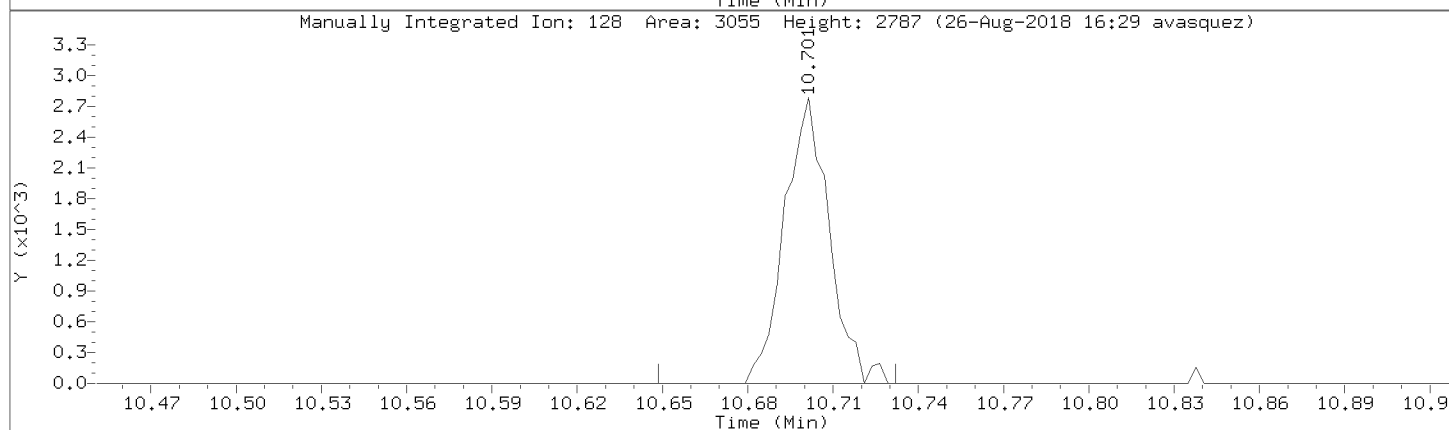
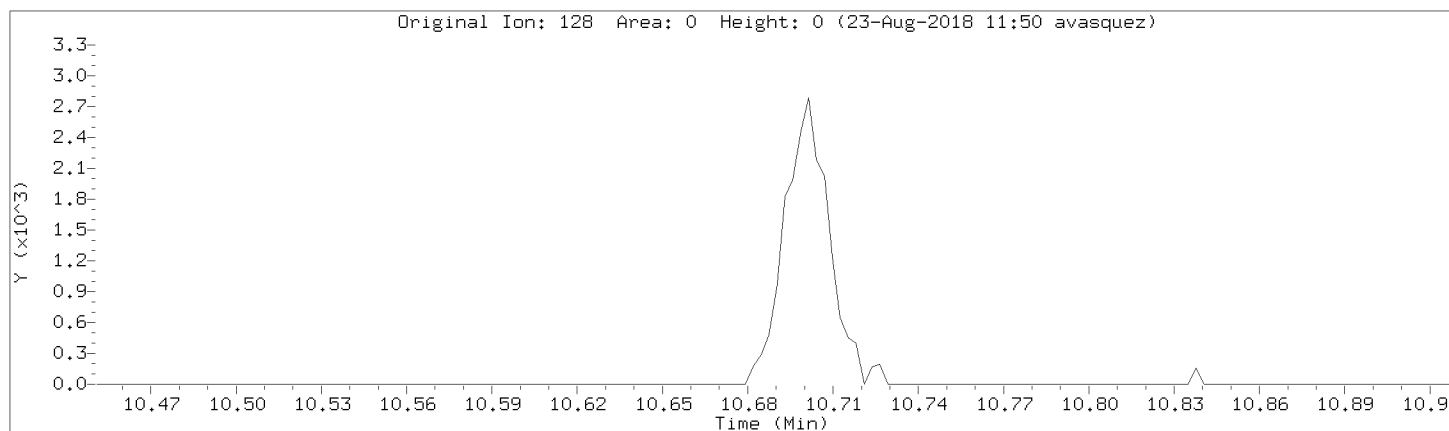
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Naphthalene

Review Code: NI

CAS Number: 91-20-3



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Injection Date: 22-AUG-2018 14:19

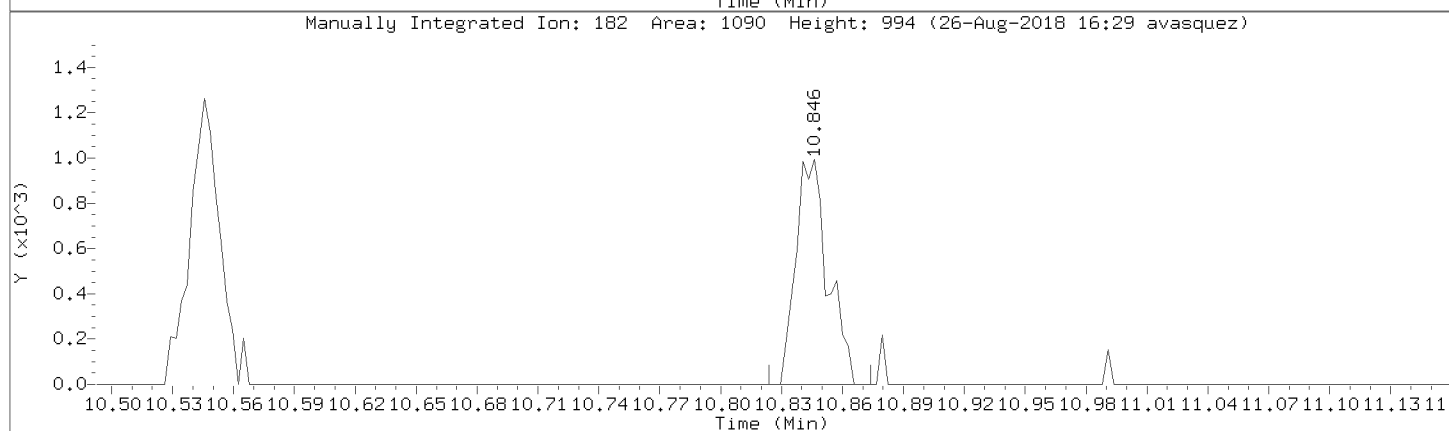
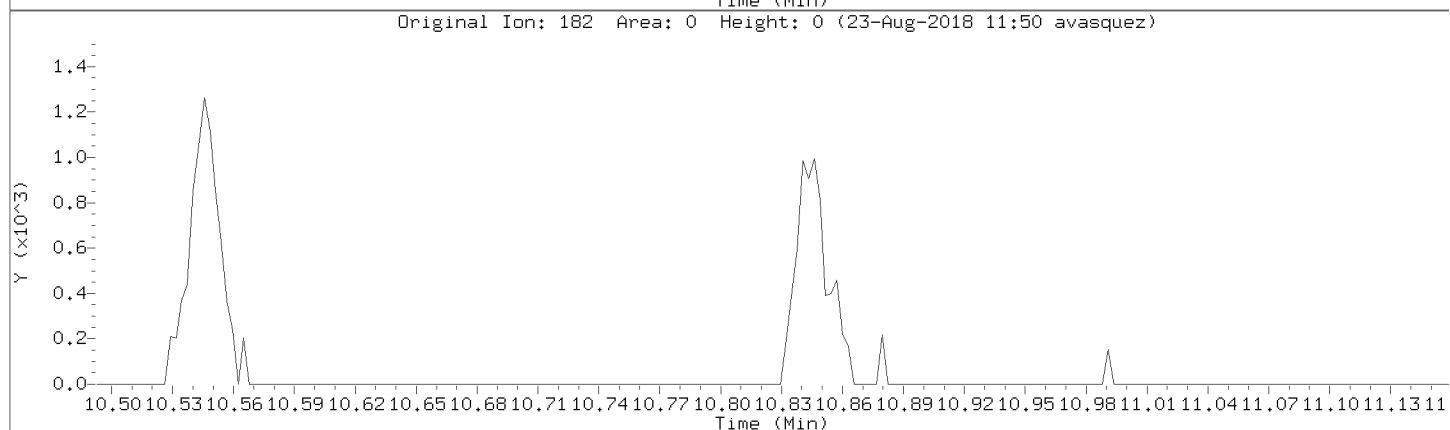
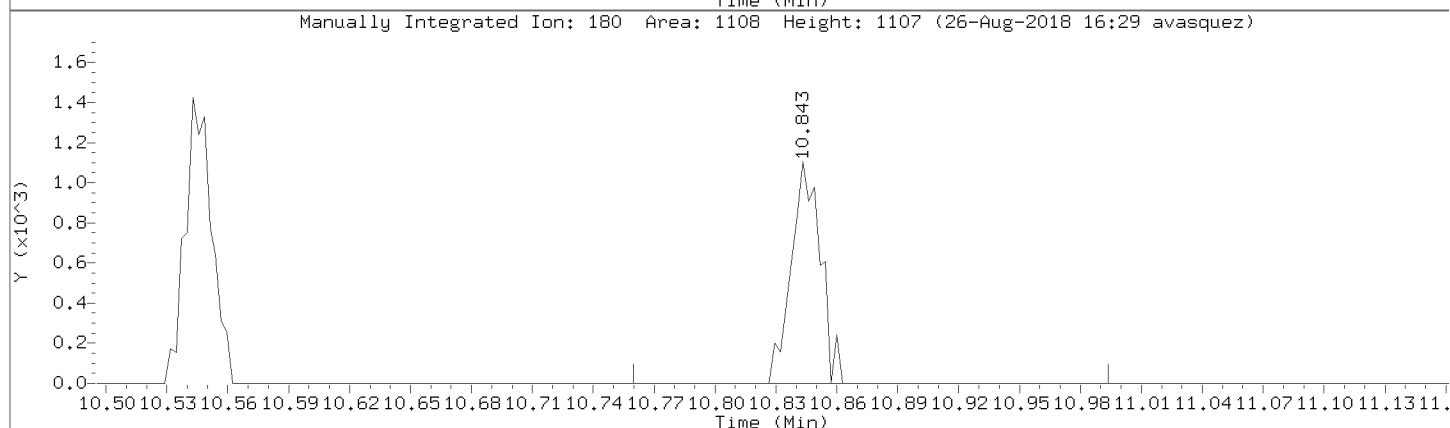
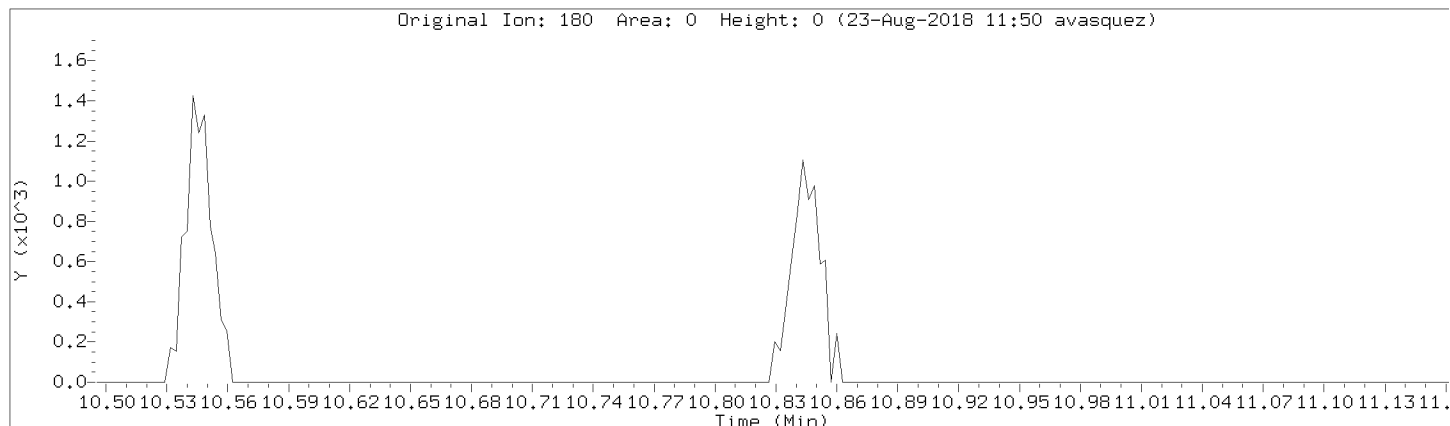
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

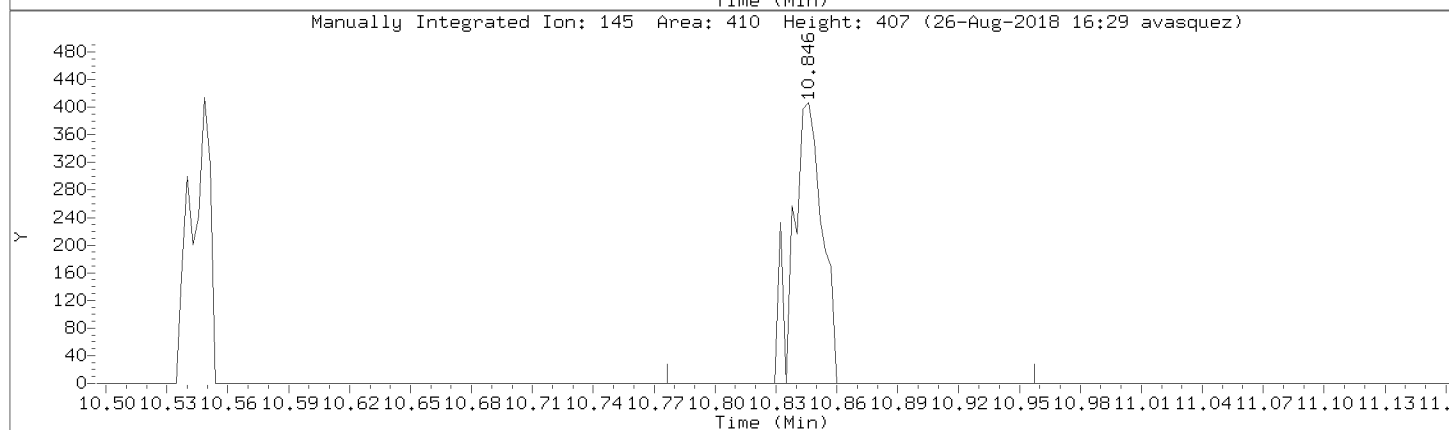
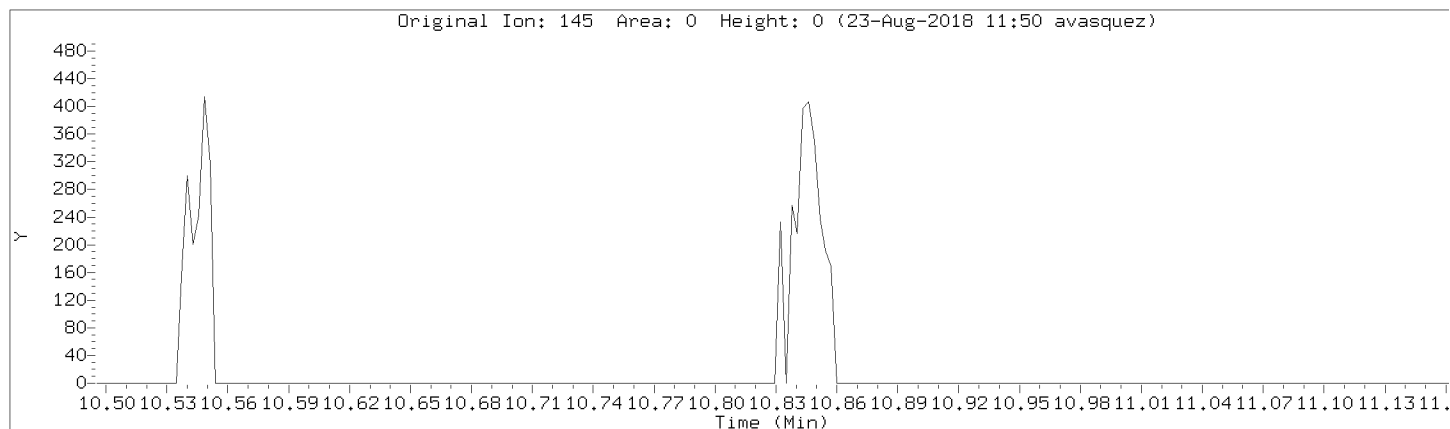
Compound: 1,2,3-Trichlorobenzene

Review Code: NI

CAS Number: 87-61-6



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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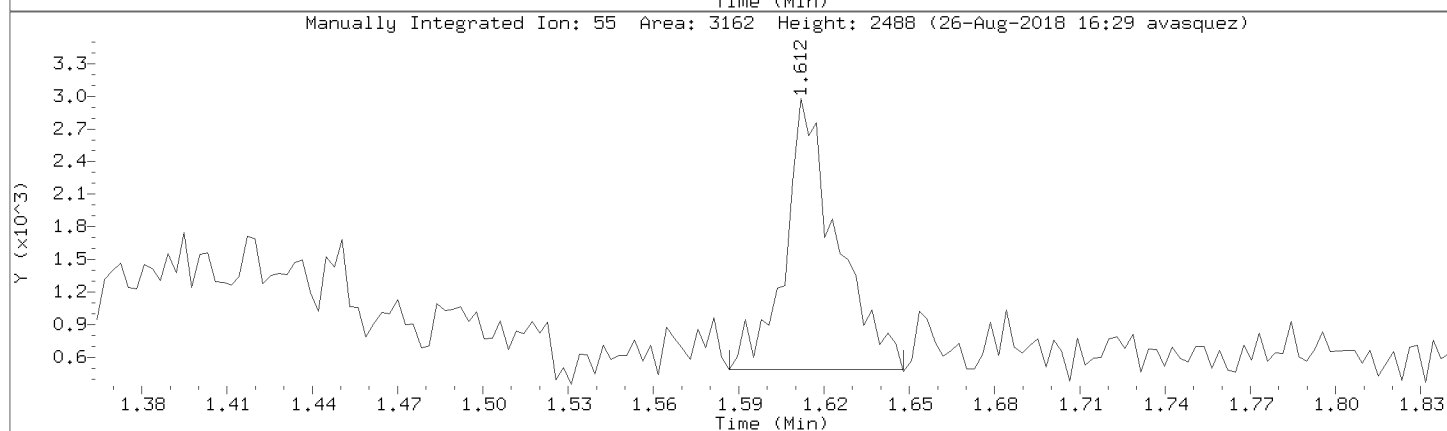
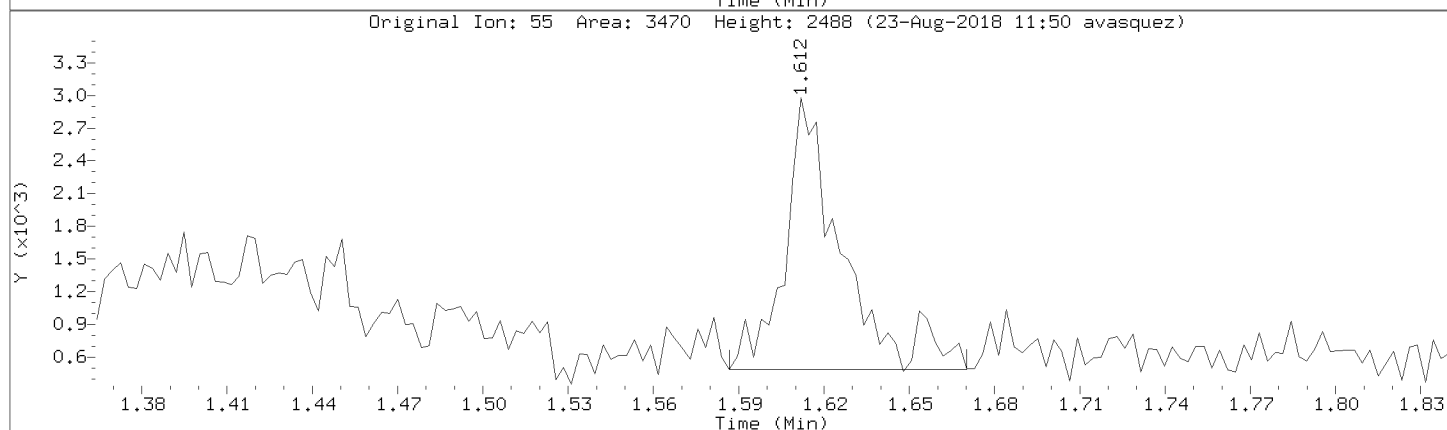
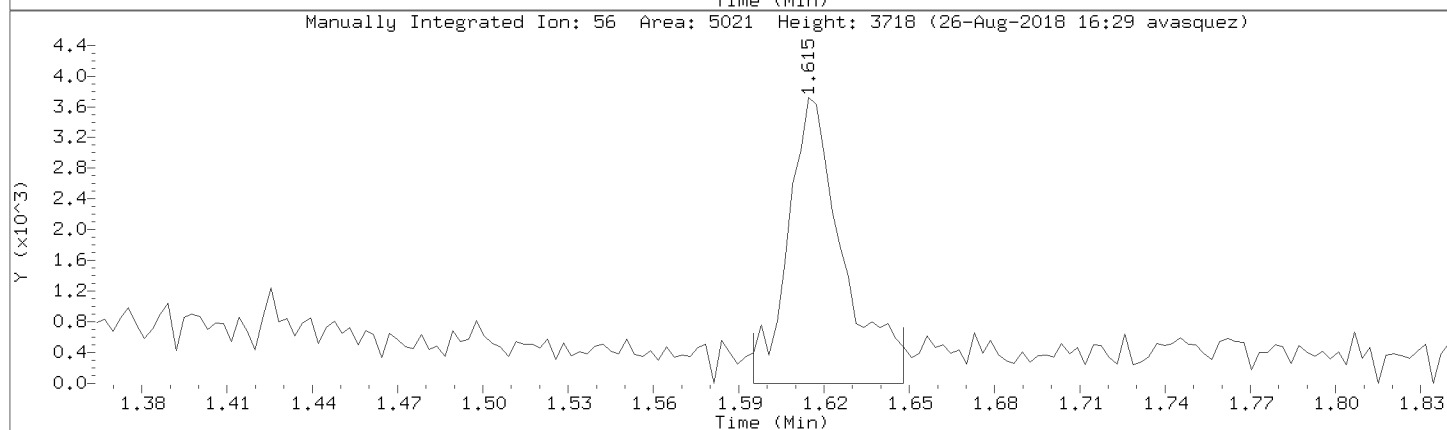
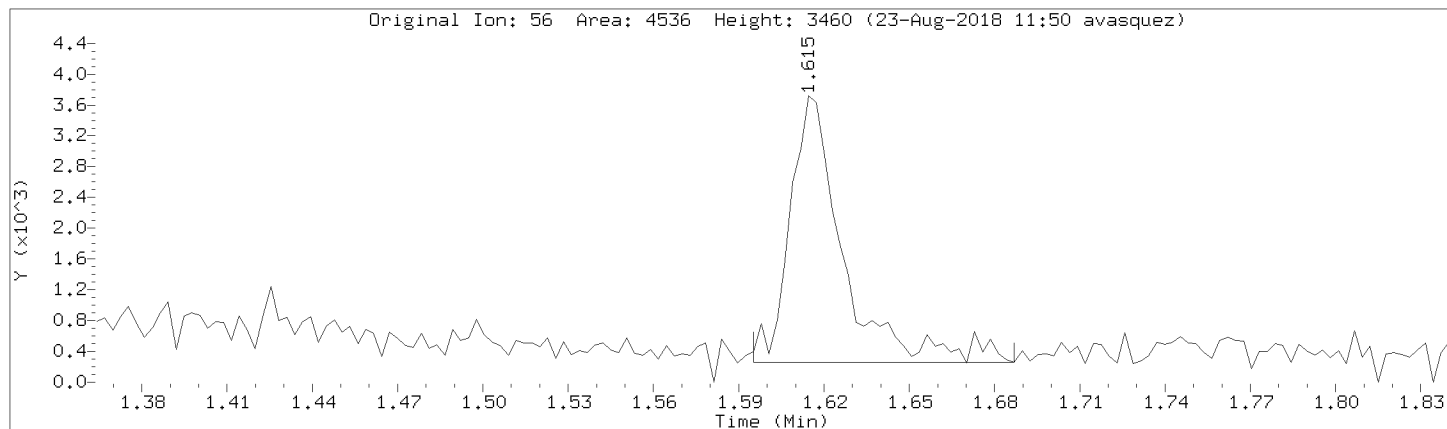
Injection Date: 22-AUG-2018 14:19

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Acrolein Review Code: NI

CAS Number: 107-02-8



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Injection Date: 22-AUG-2018 14:19

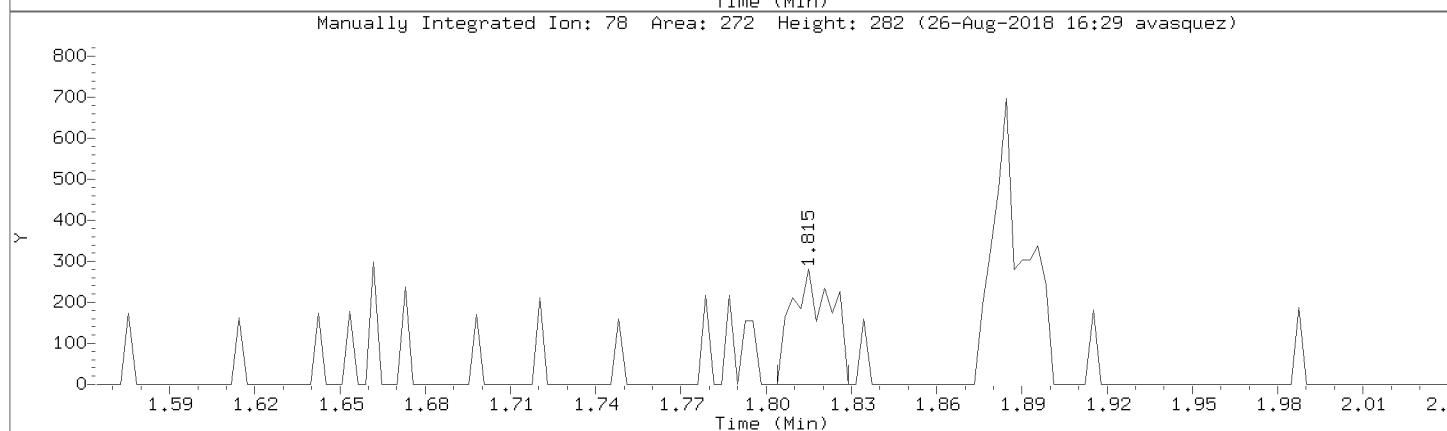
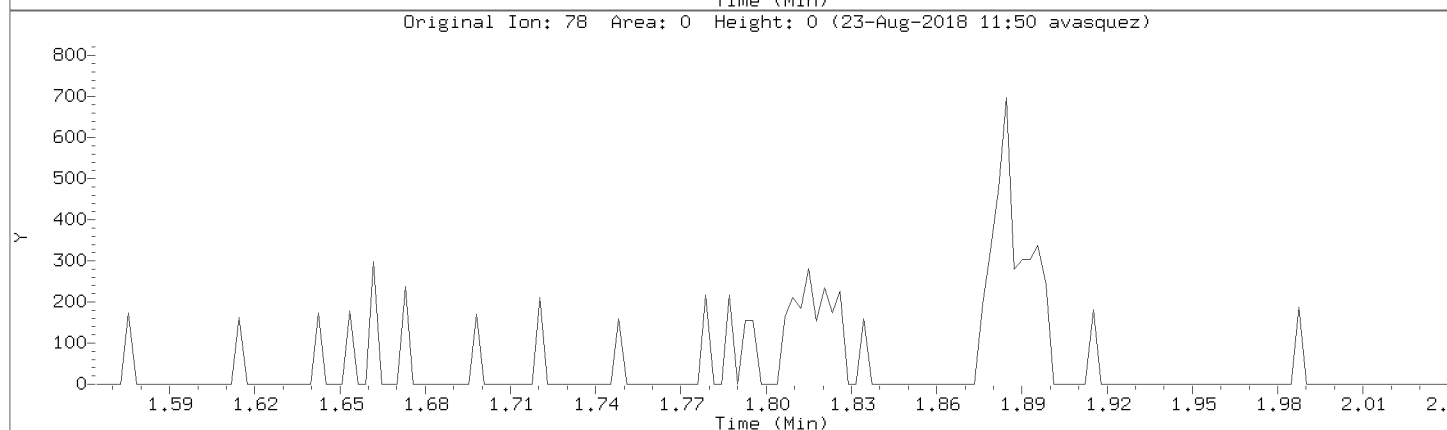
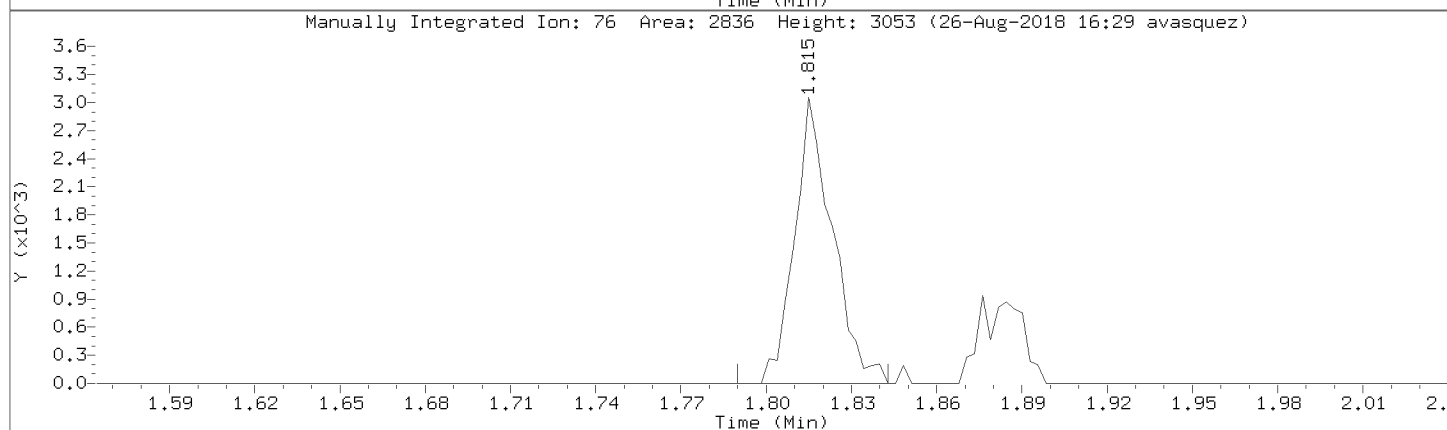
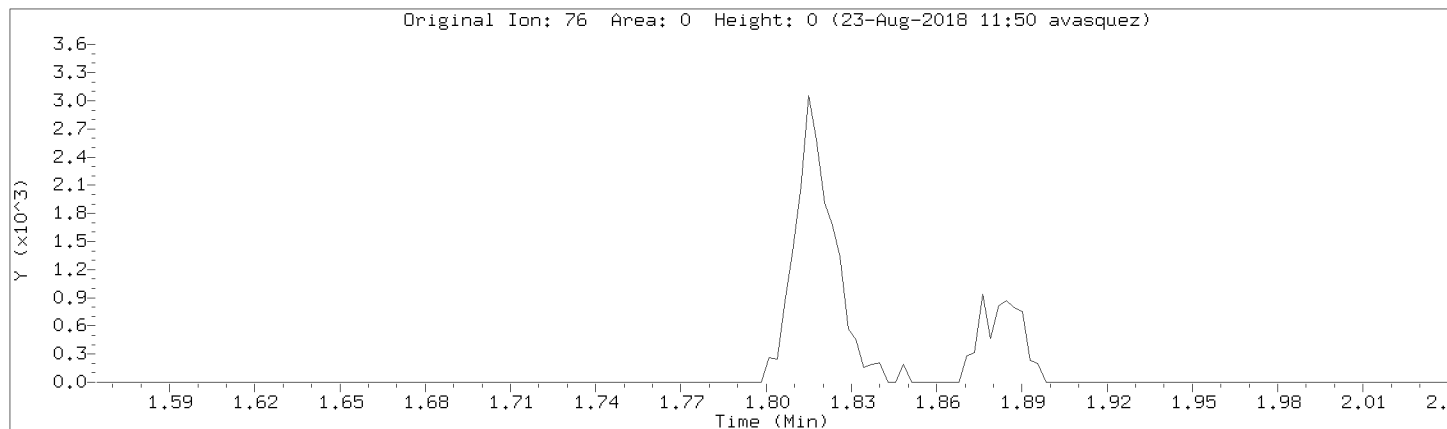
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Carbon Disulfide

Review Code: NI

CAS Number: 75-15-0



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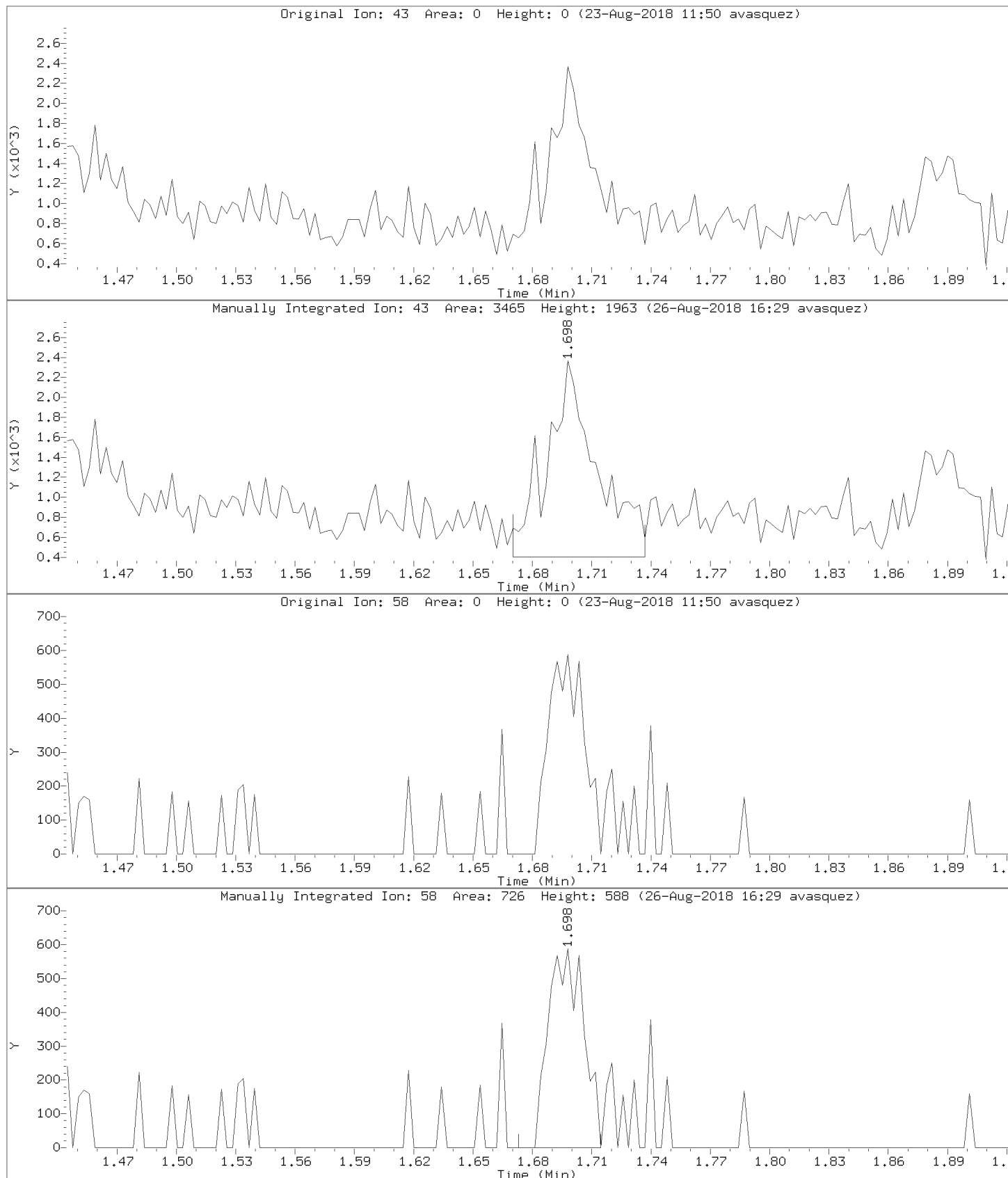
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Instrument: 50mv2a.i

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

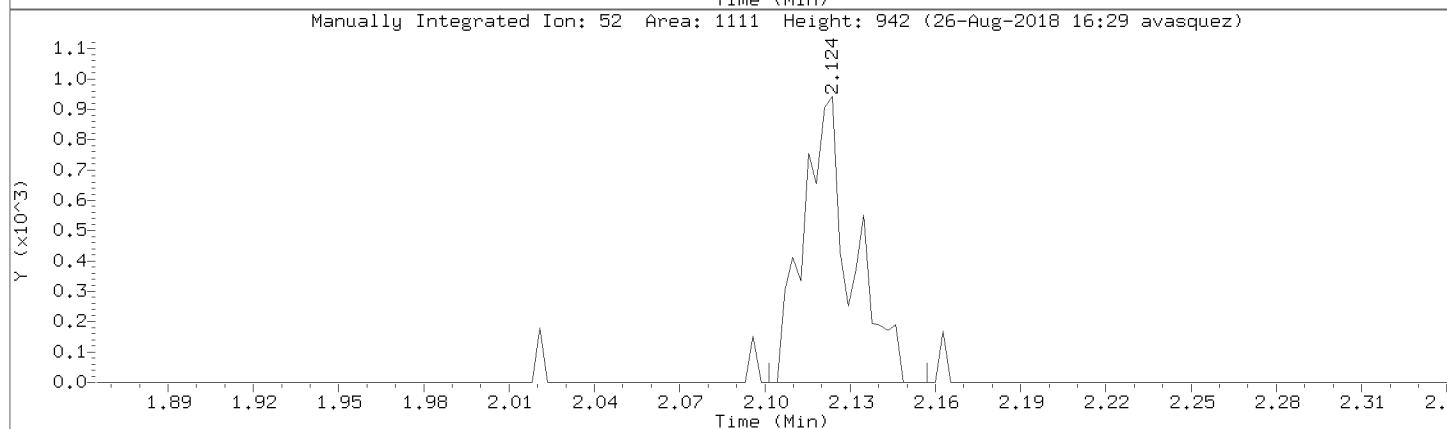
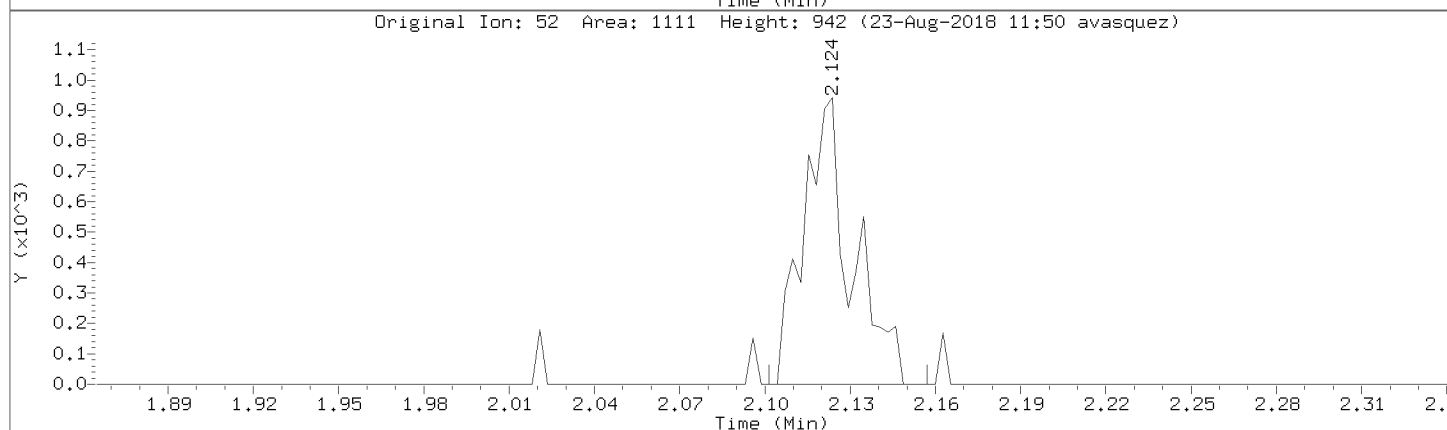
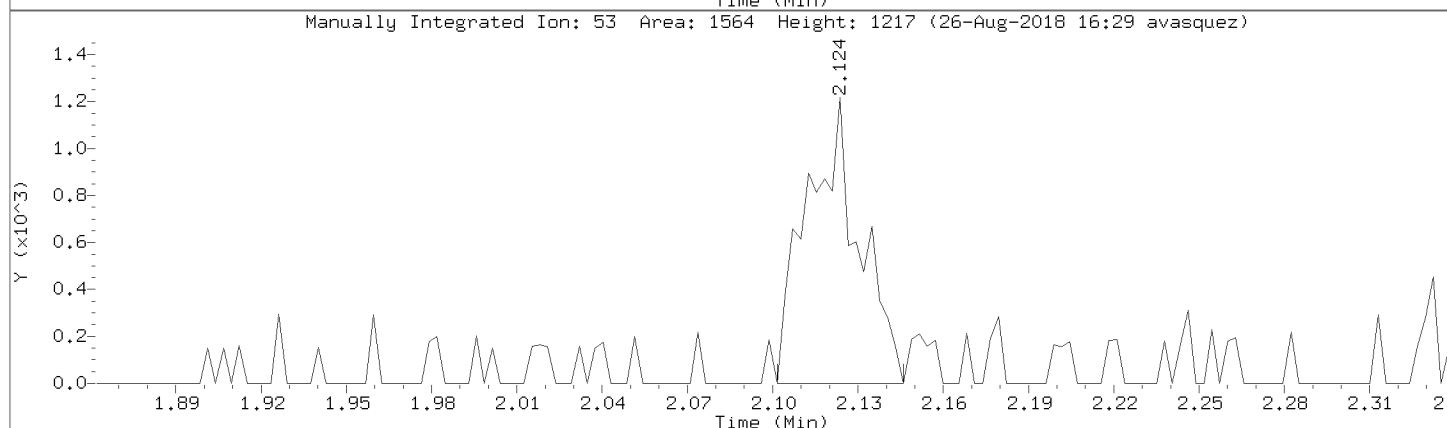
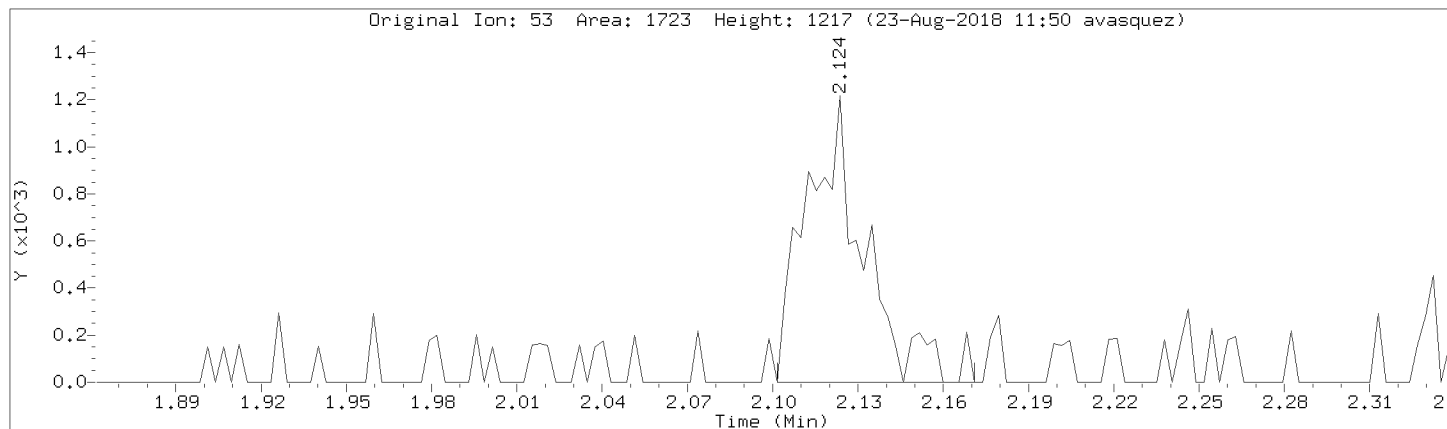
Instrument: 50mv2a.i

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

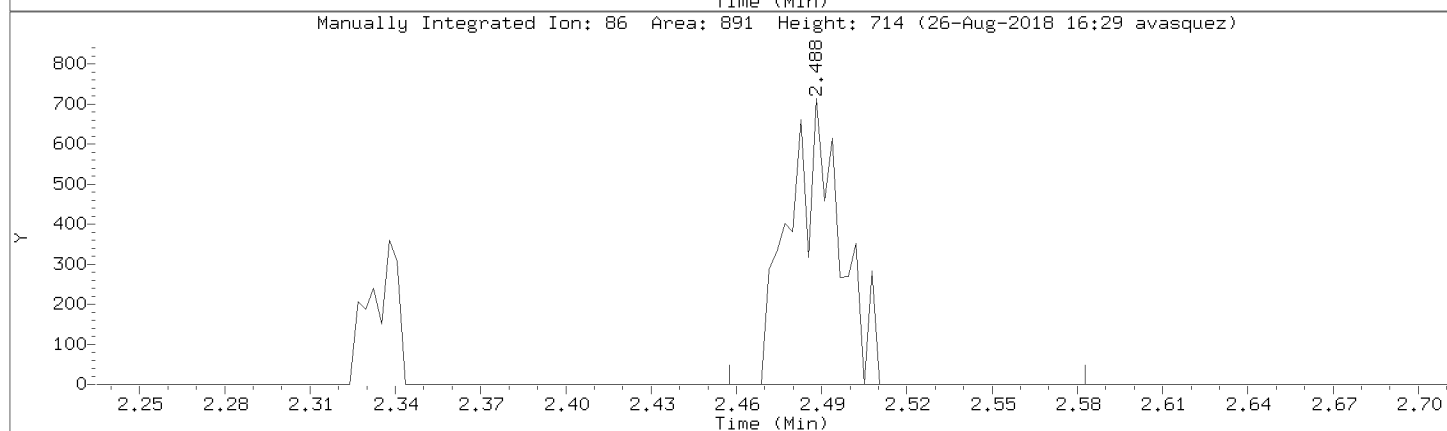
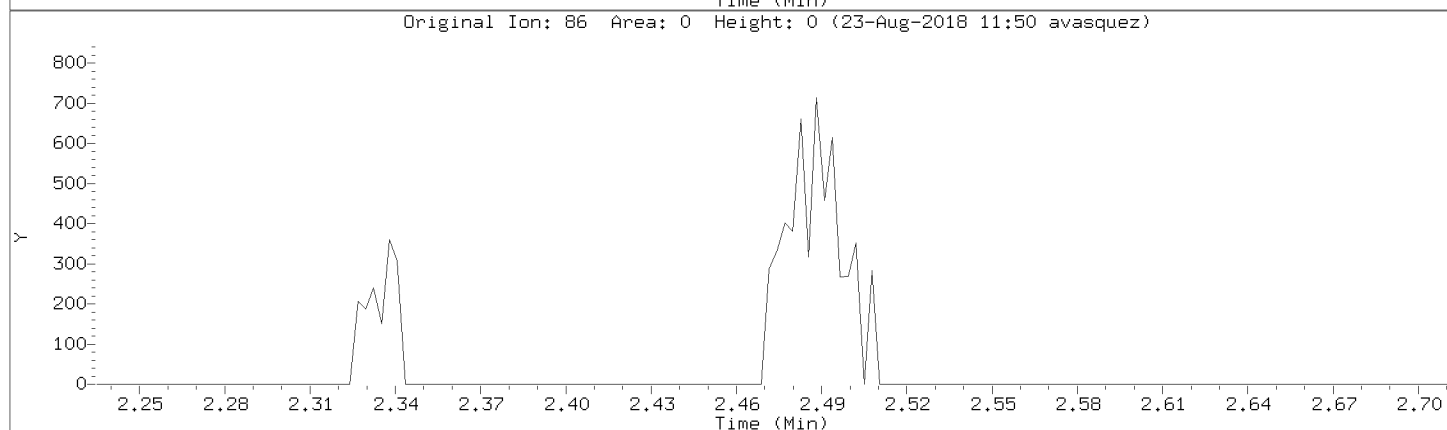
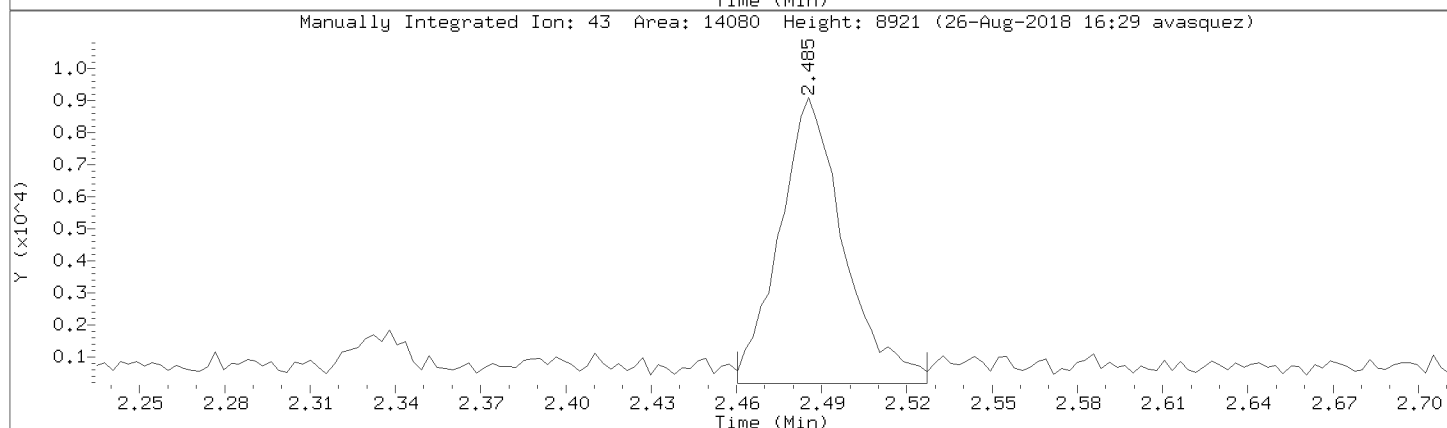
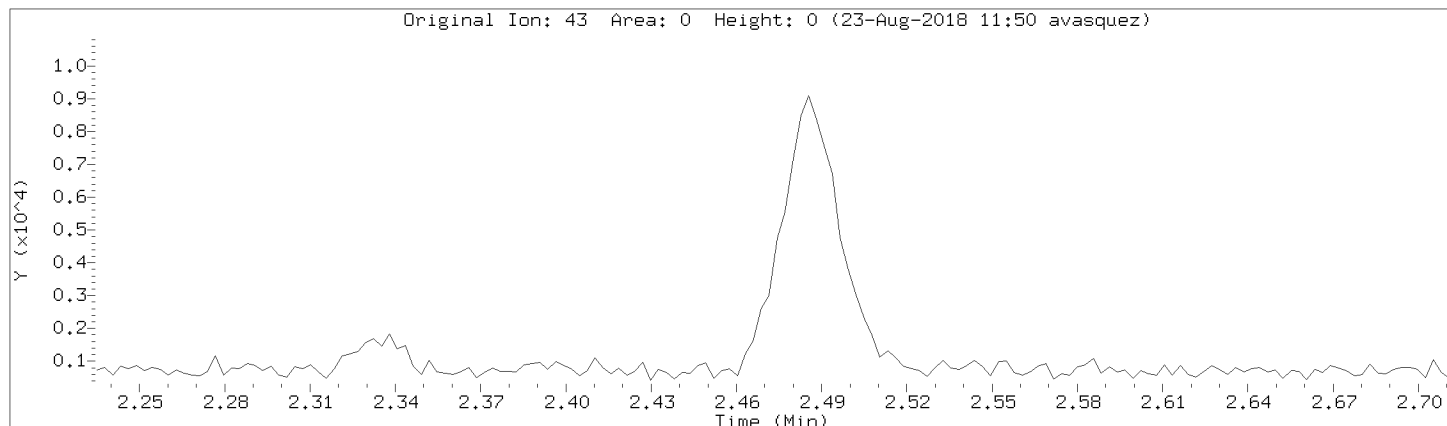
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Vinyl Acetate

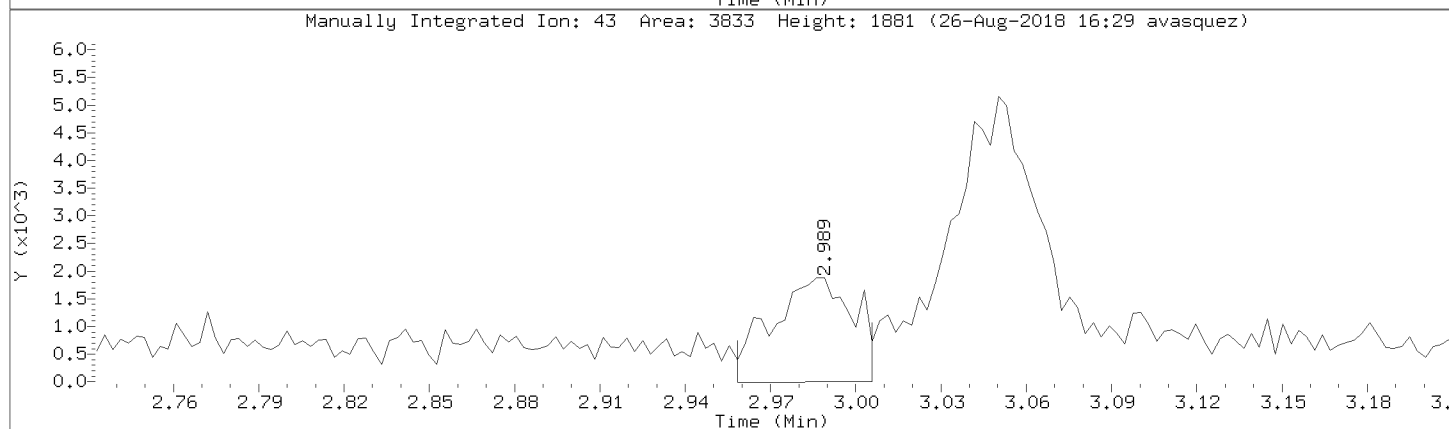
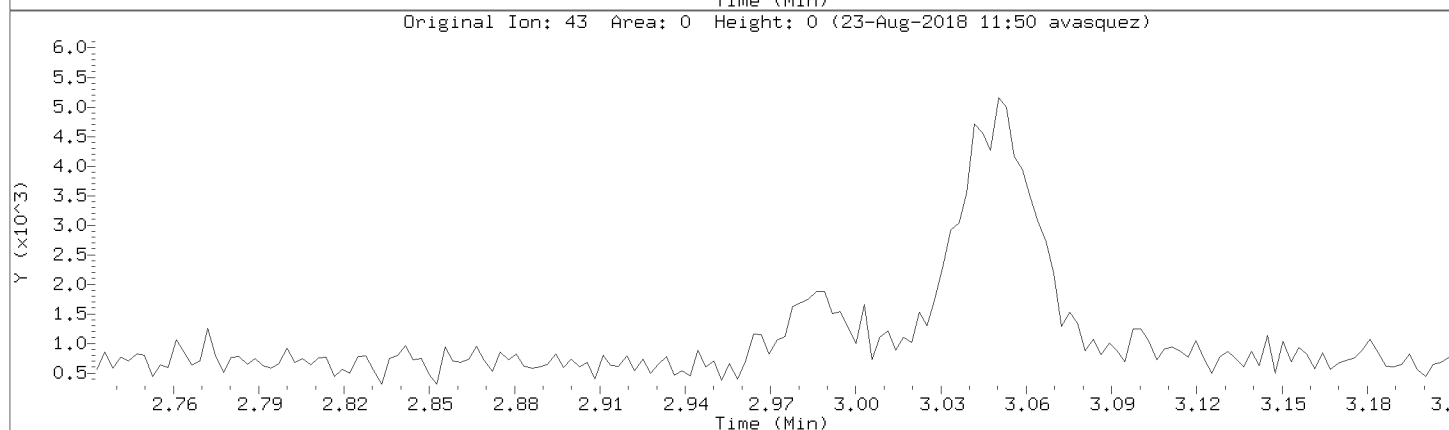
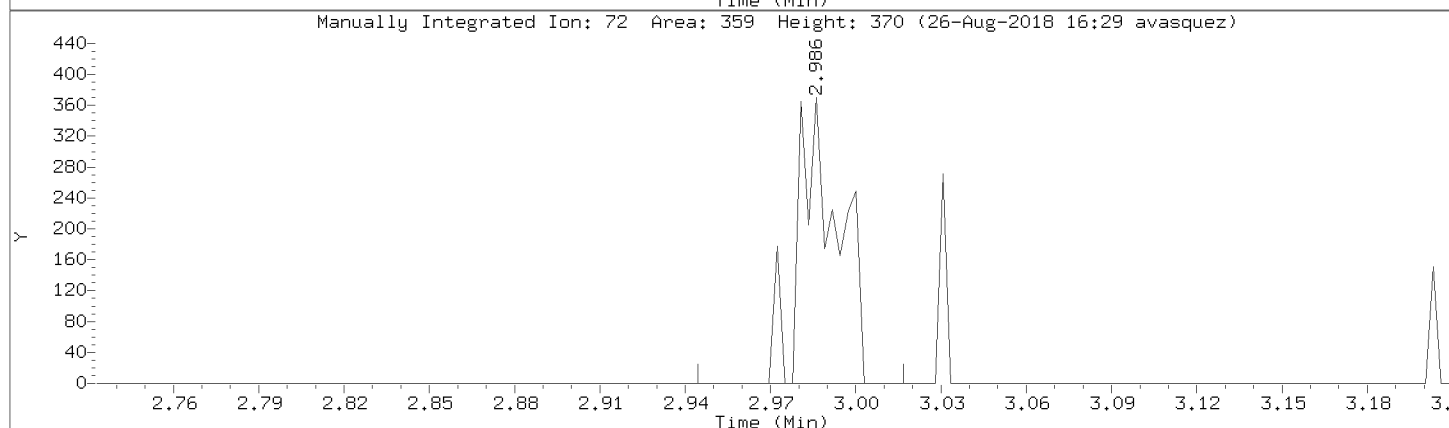
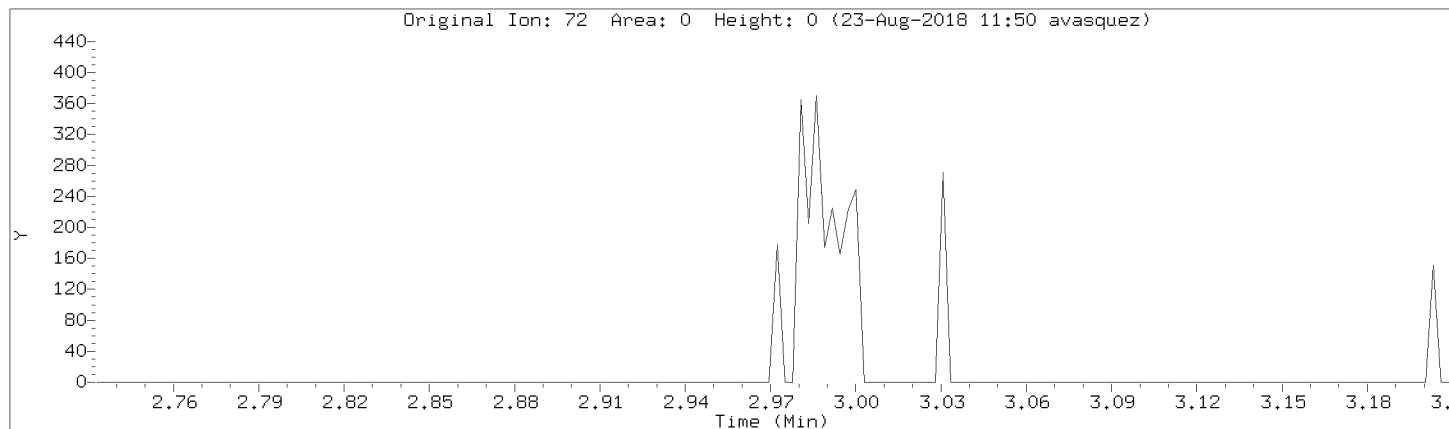
Review Code: NI

CAS Number: 108-05-4

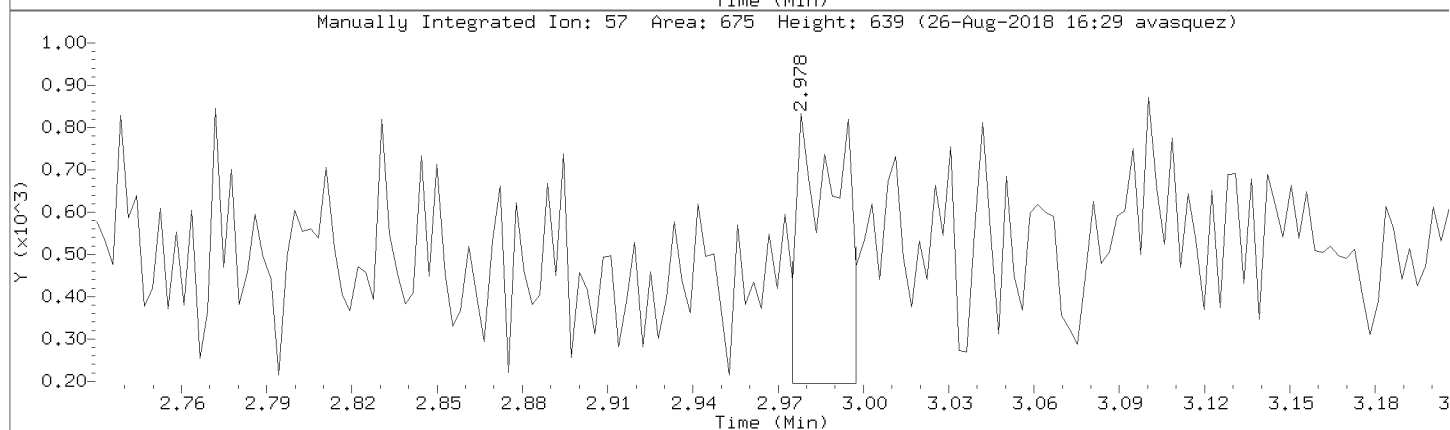
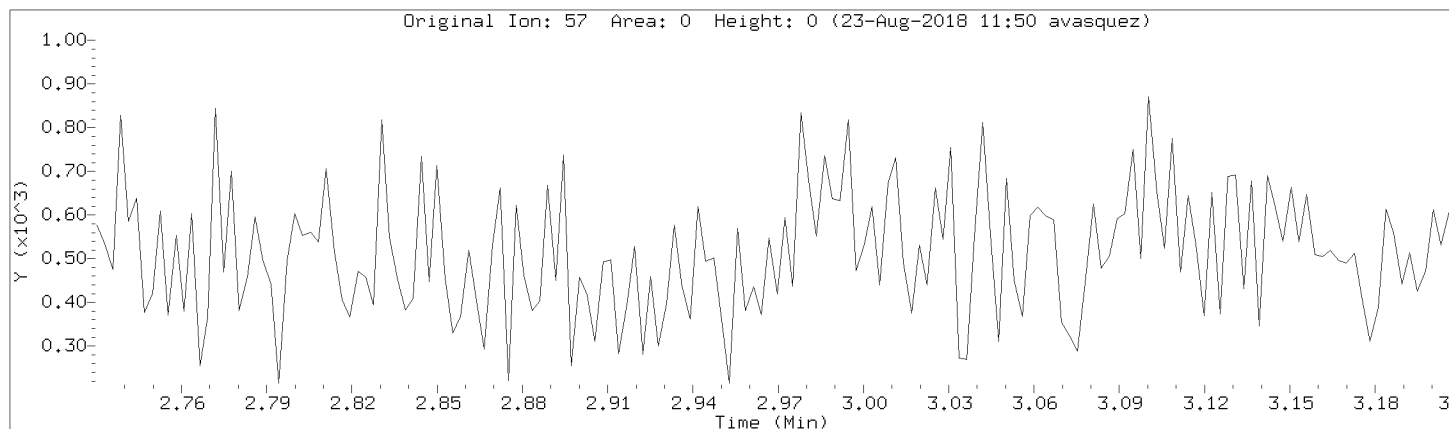


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

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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Injection Date: 22-AUG-2018 14:19

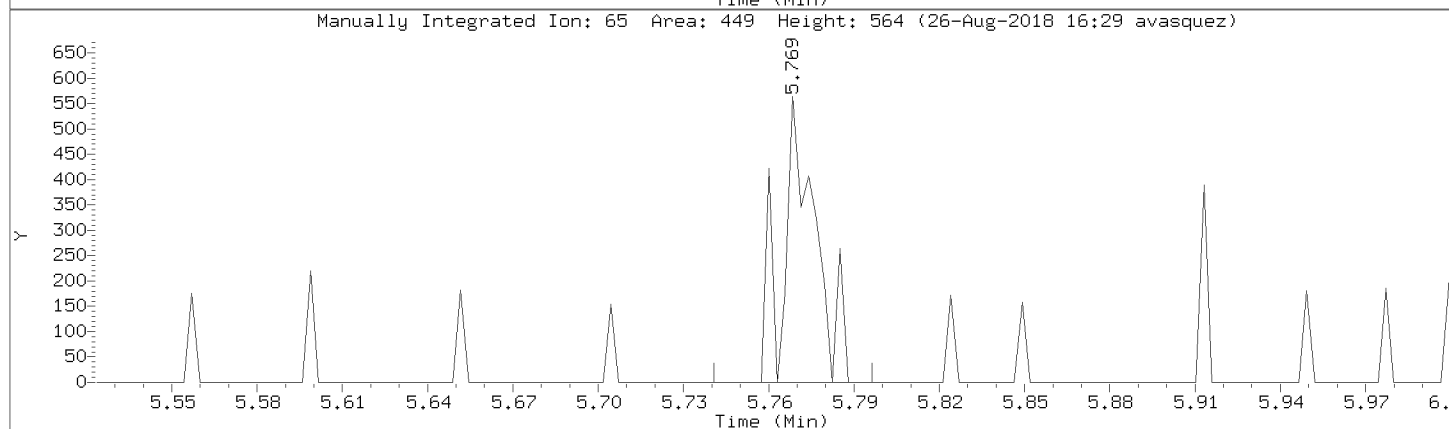
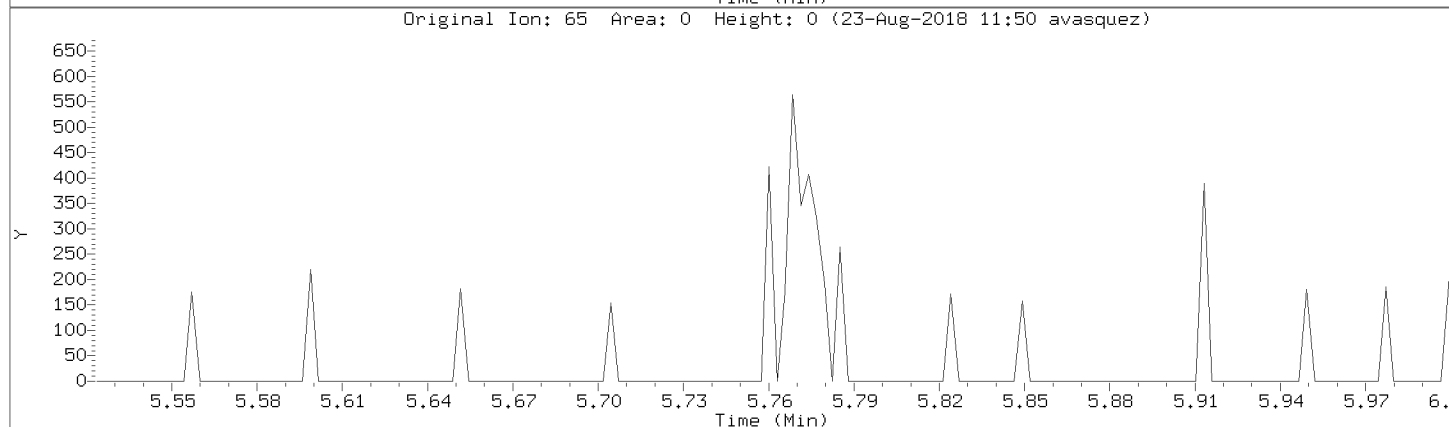
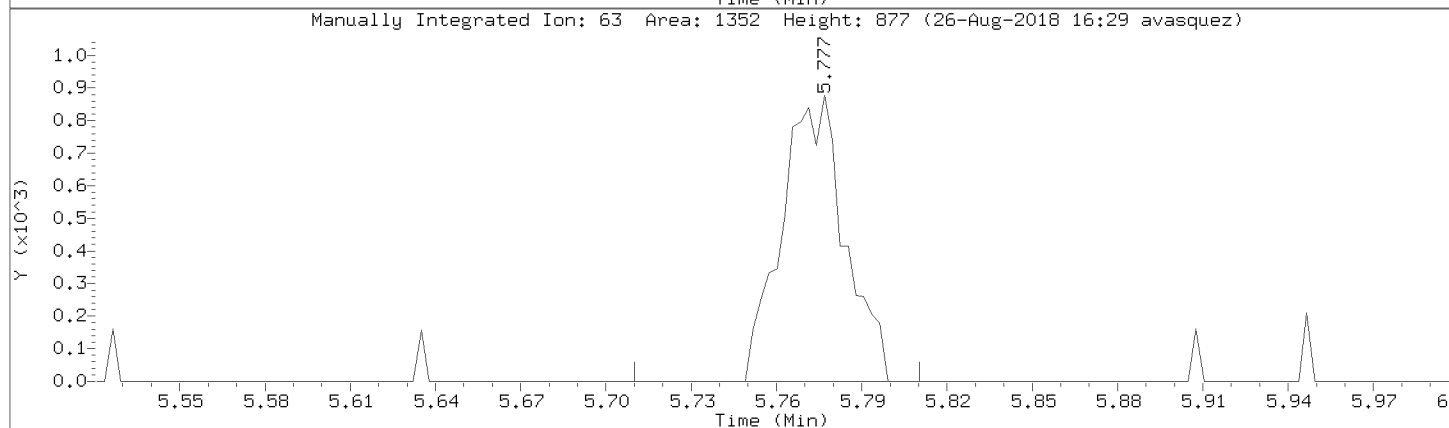
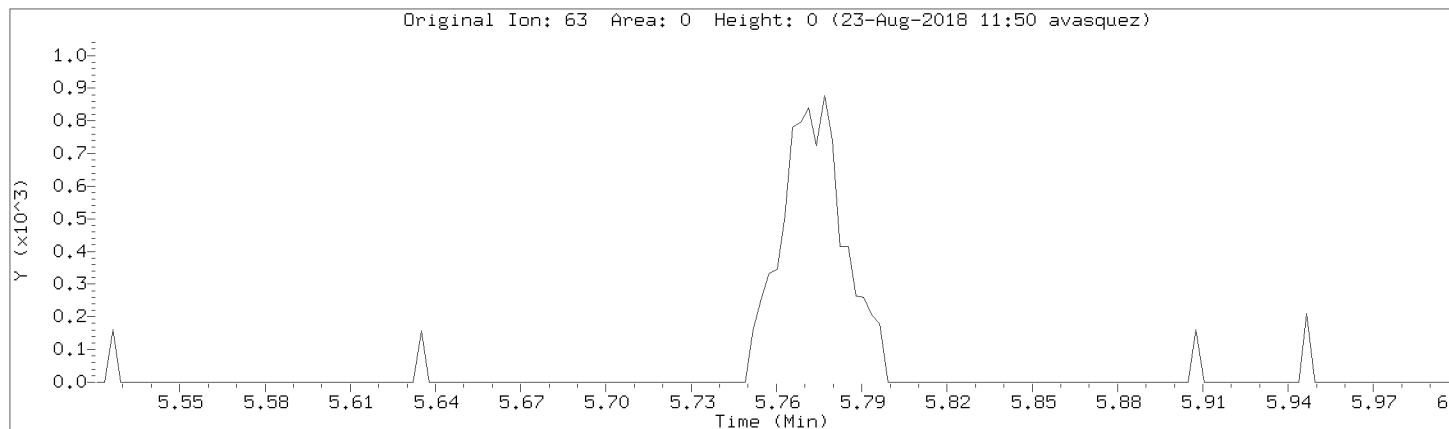
Instrument: 50mv2a.i

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

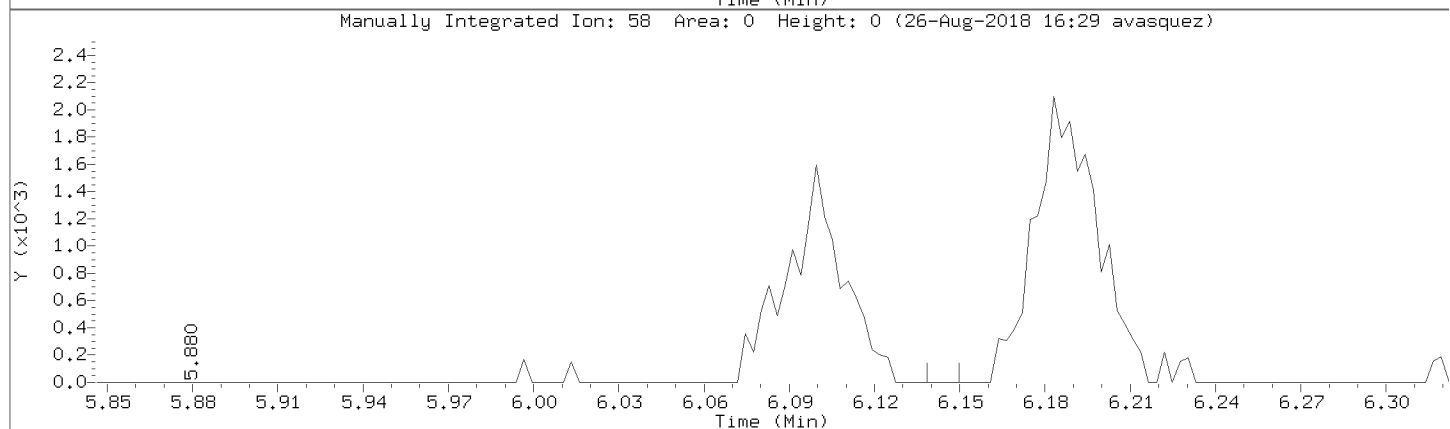
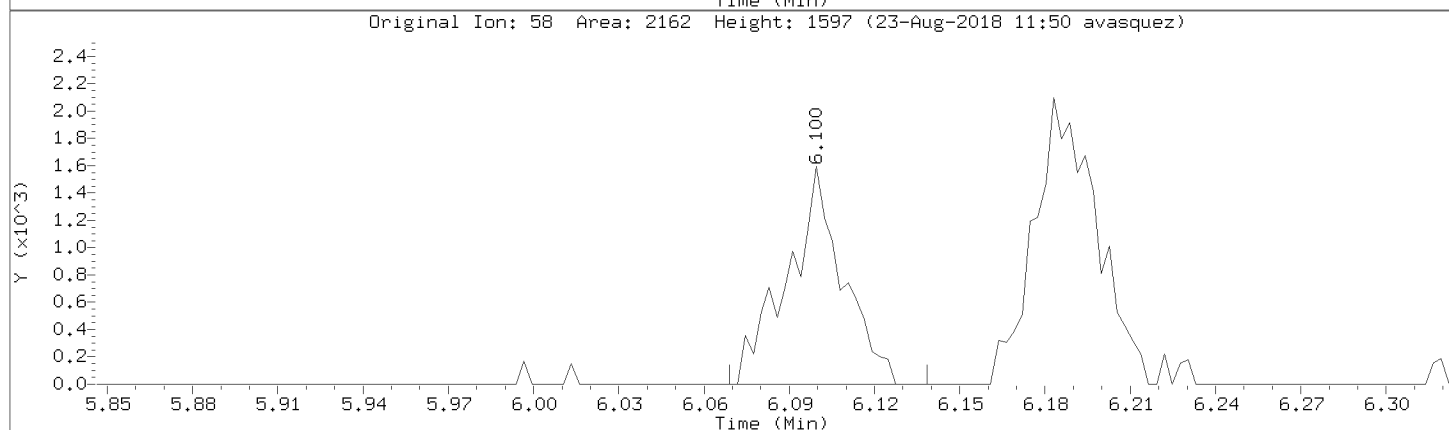
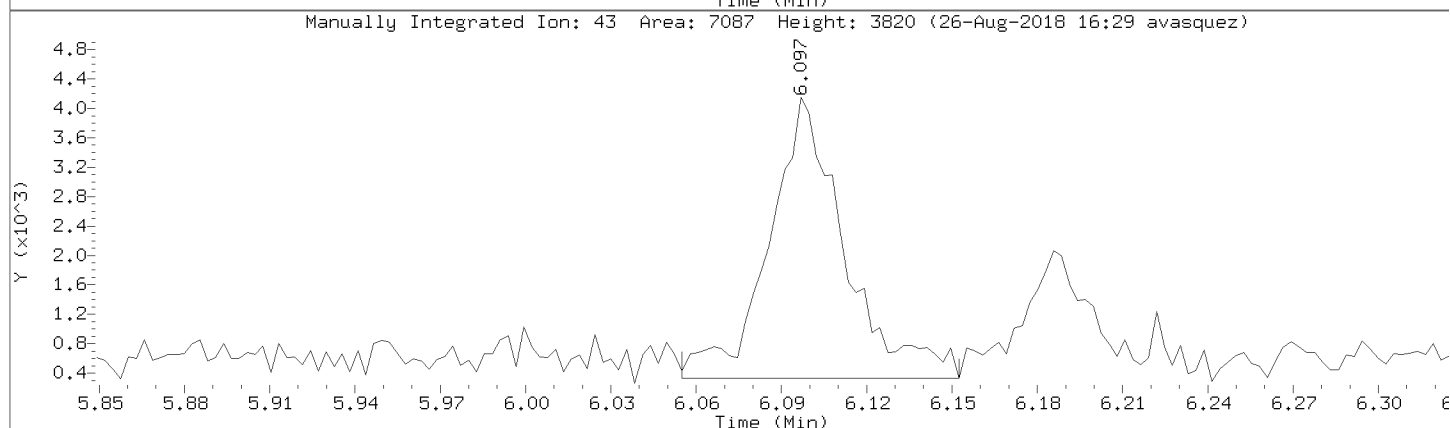
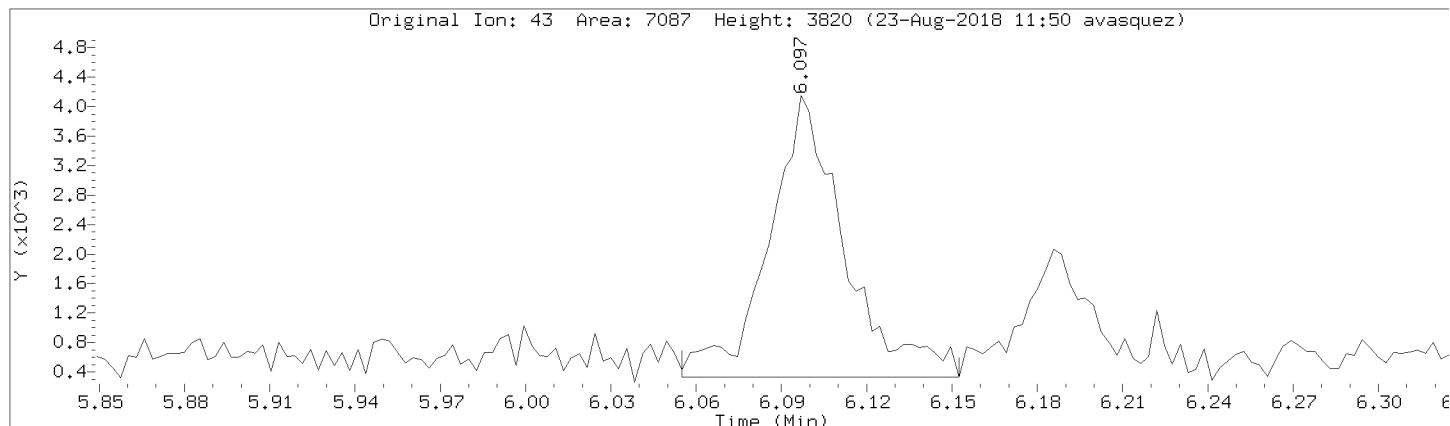
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Lab Sample ID: 8260-CAL1

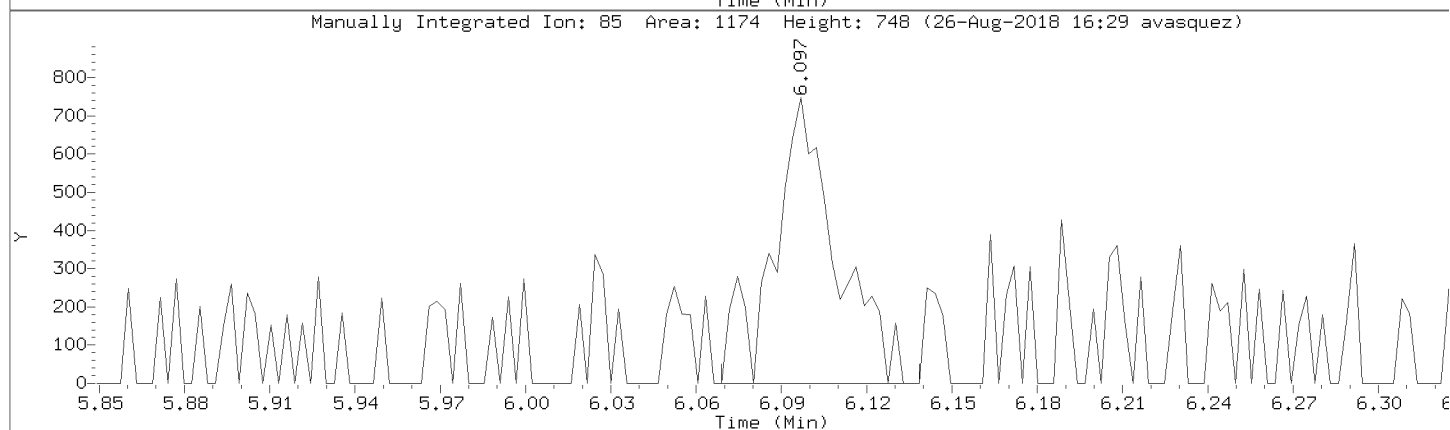
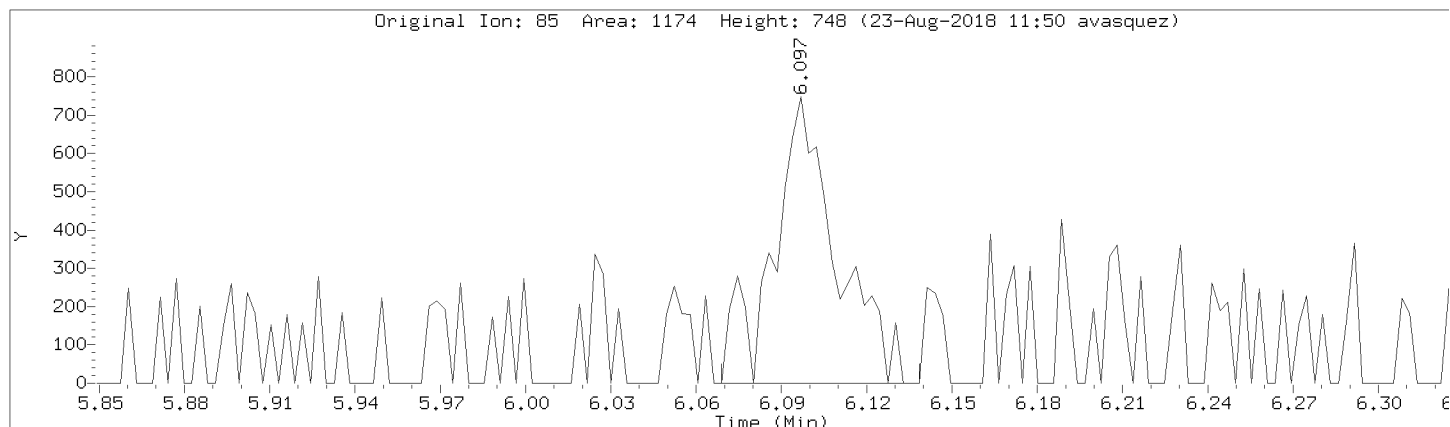
Compound: 4-Methyl-2-Pentanone

Review Code:

CAS Number: 108-10-1

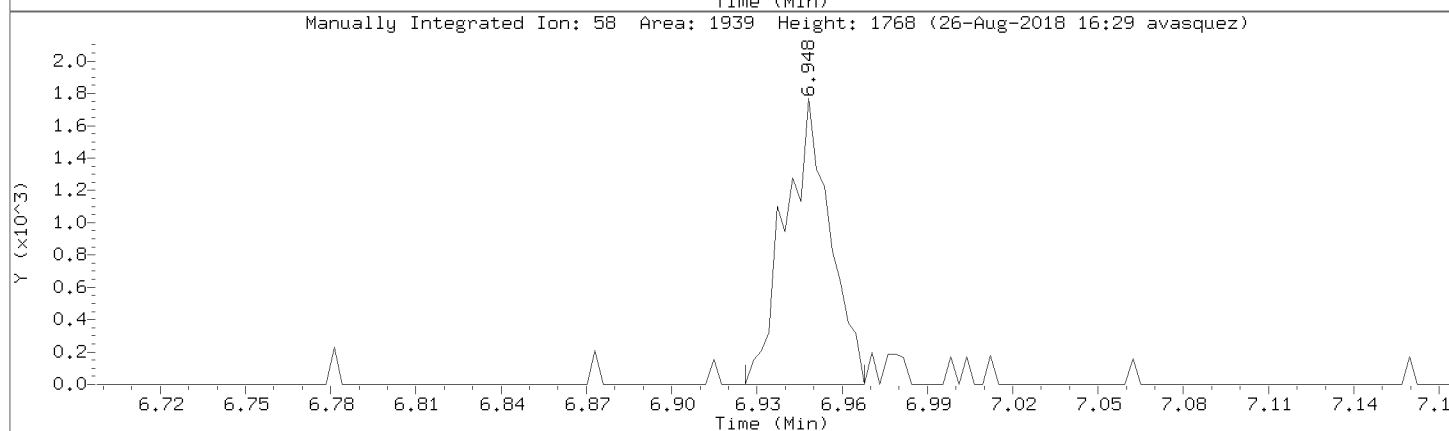
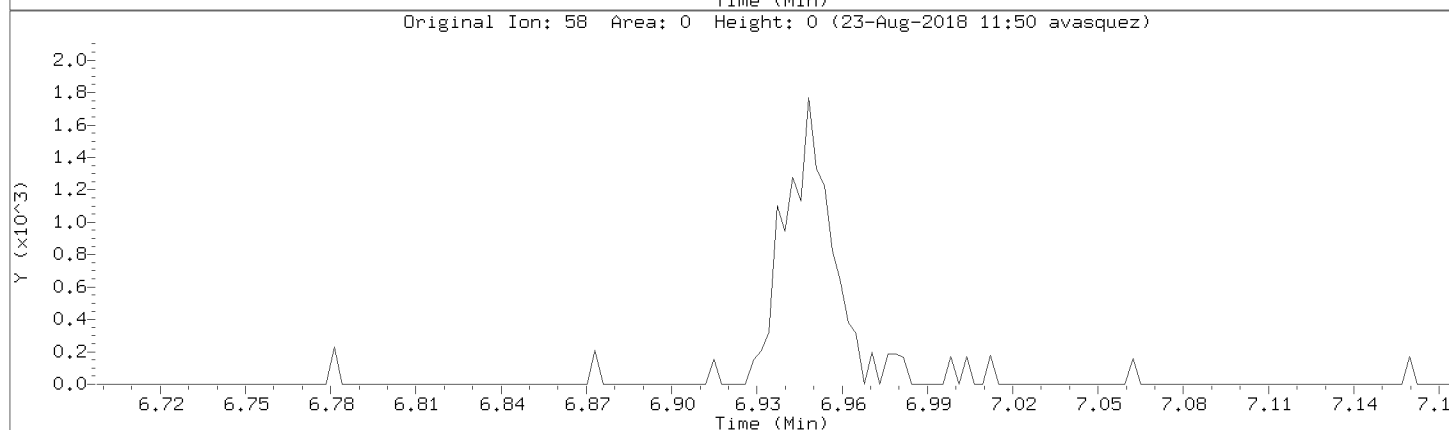
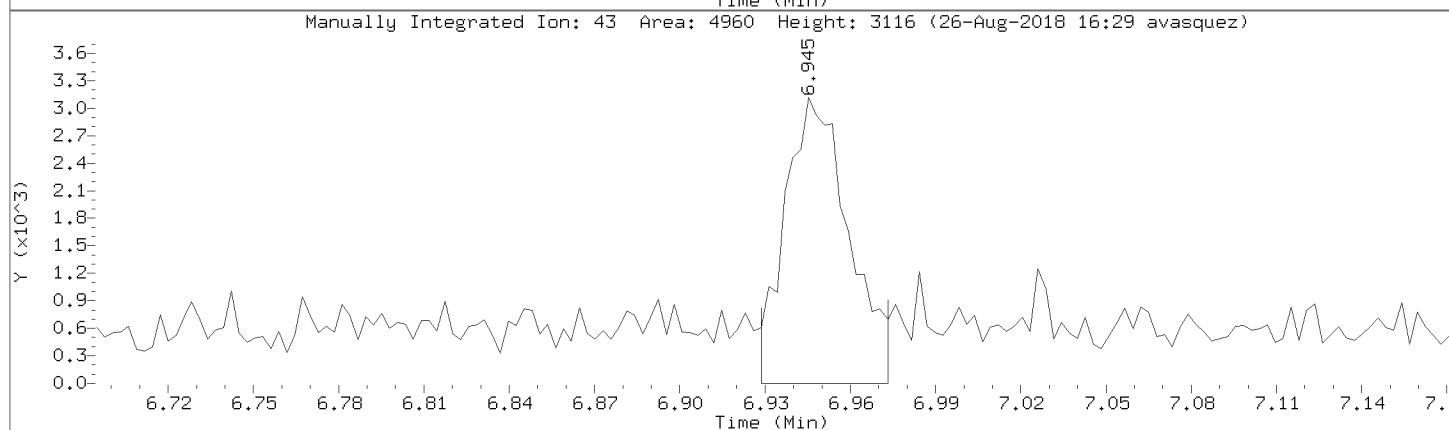
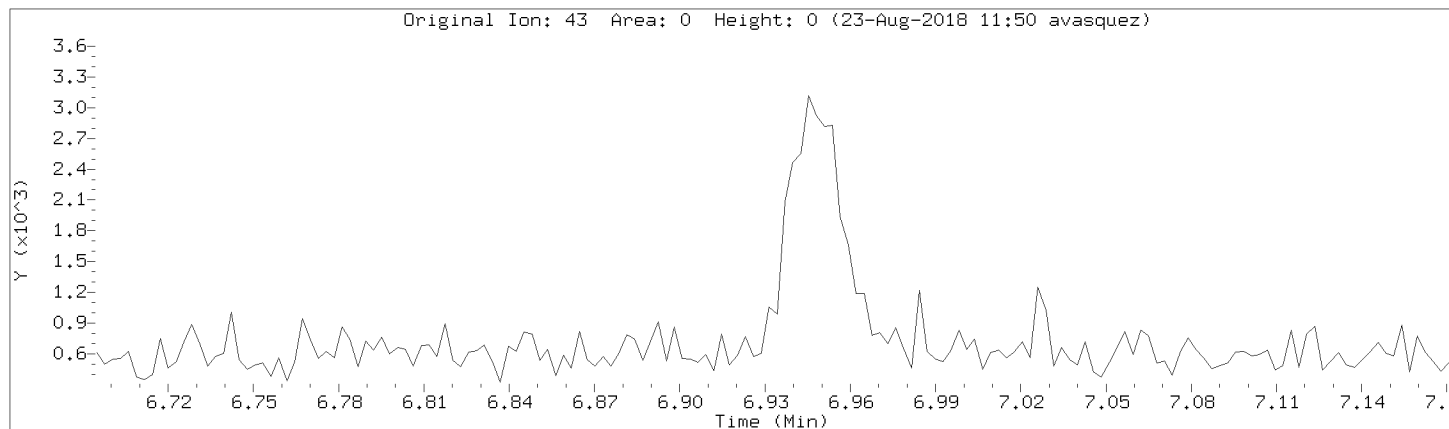


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

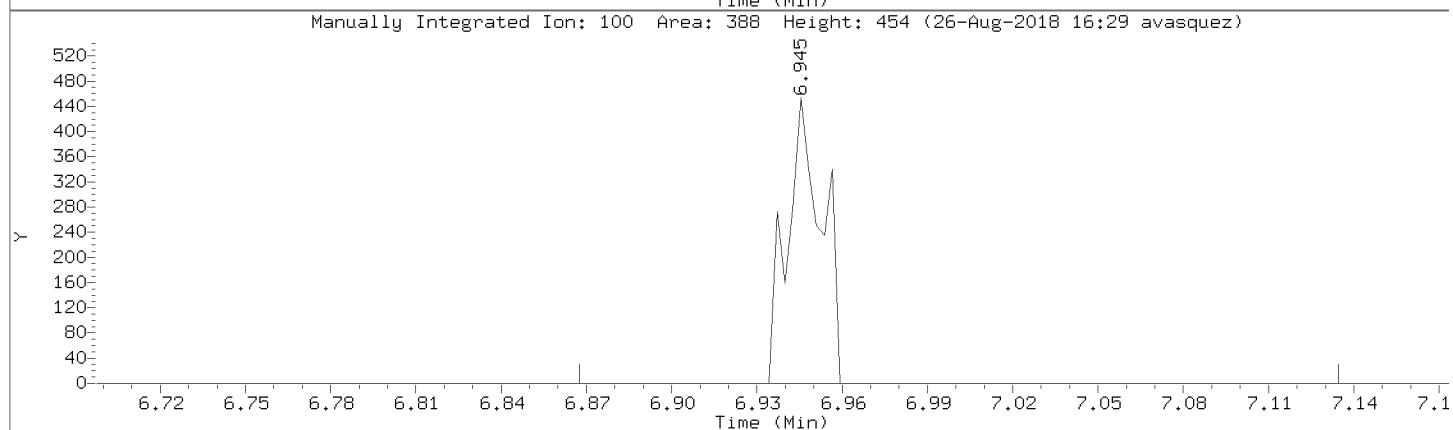
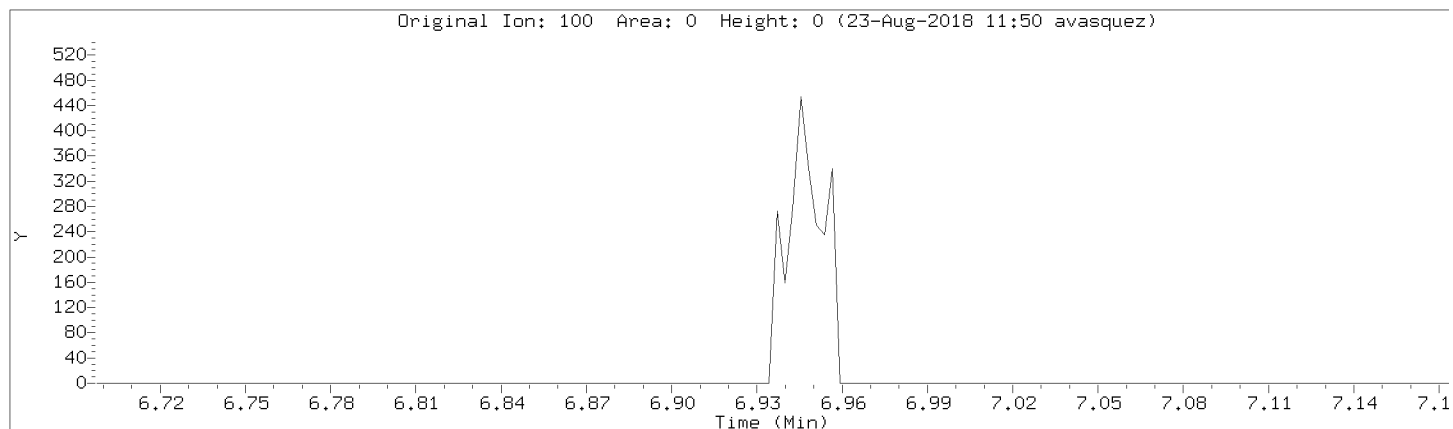


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: 2-Hexanone Review Code: NI
CAS Number: 591-78-6



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



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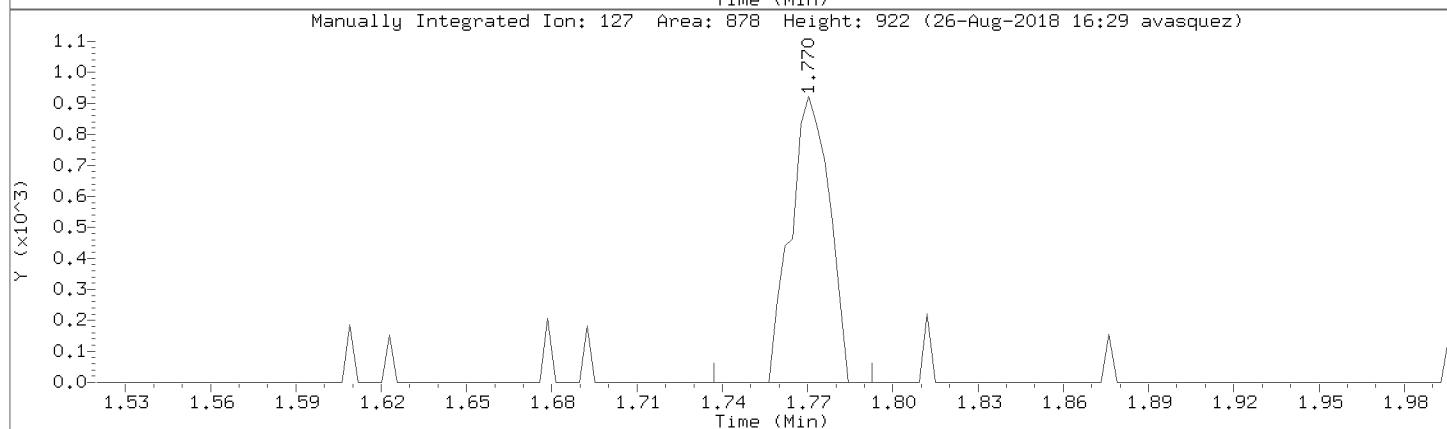
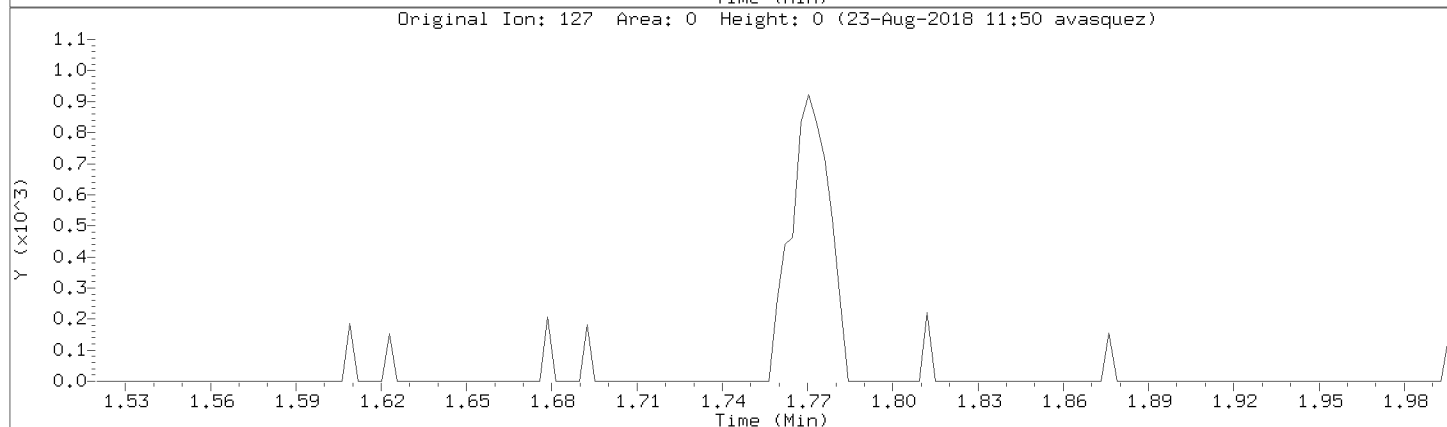
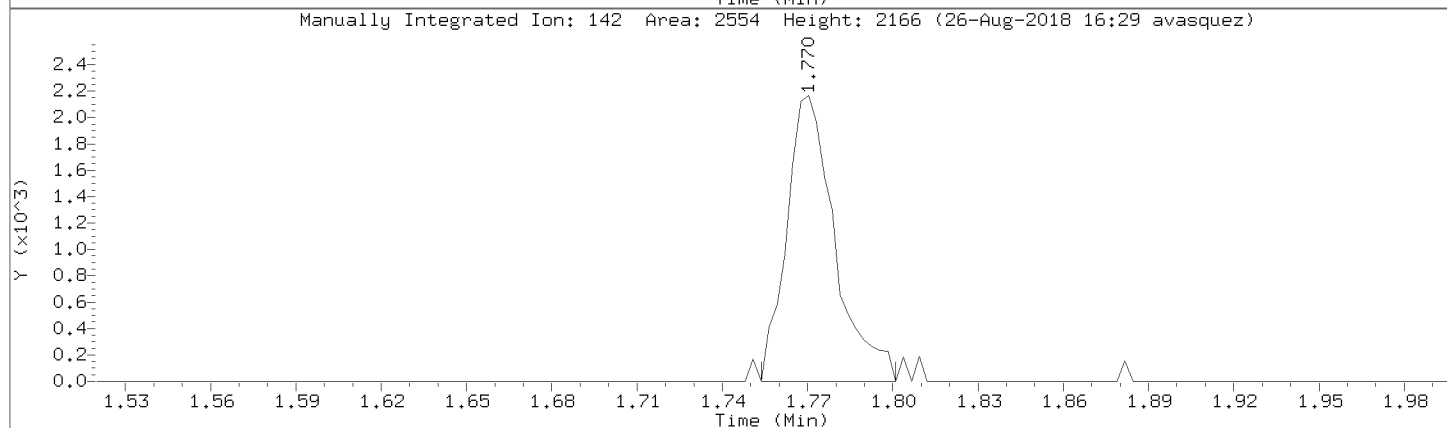
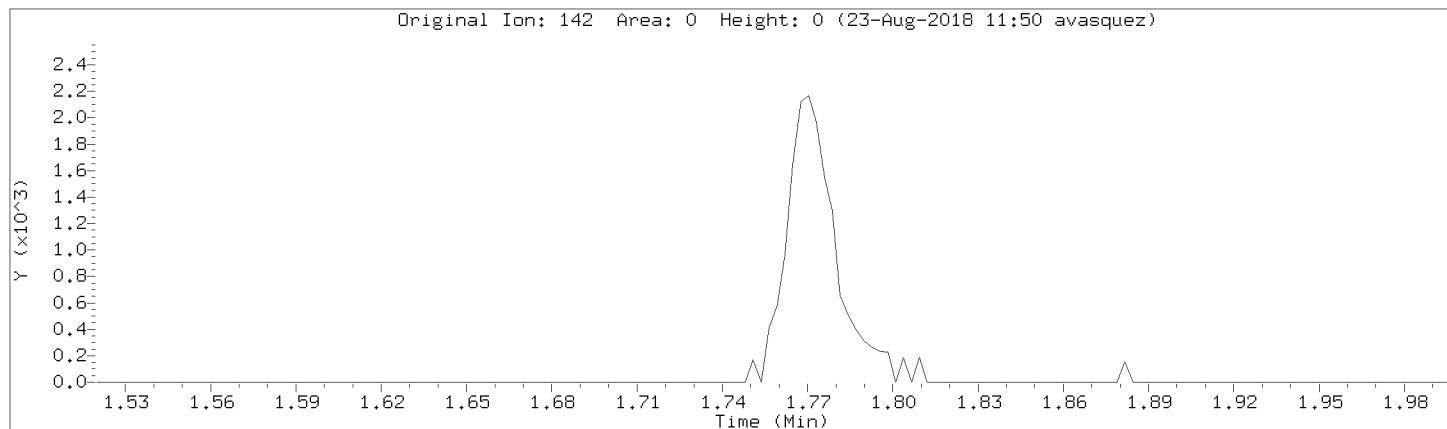
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Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

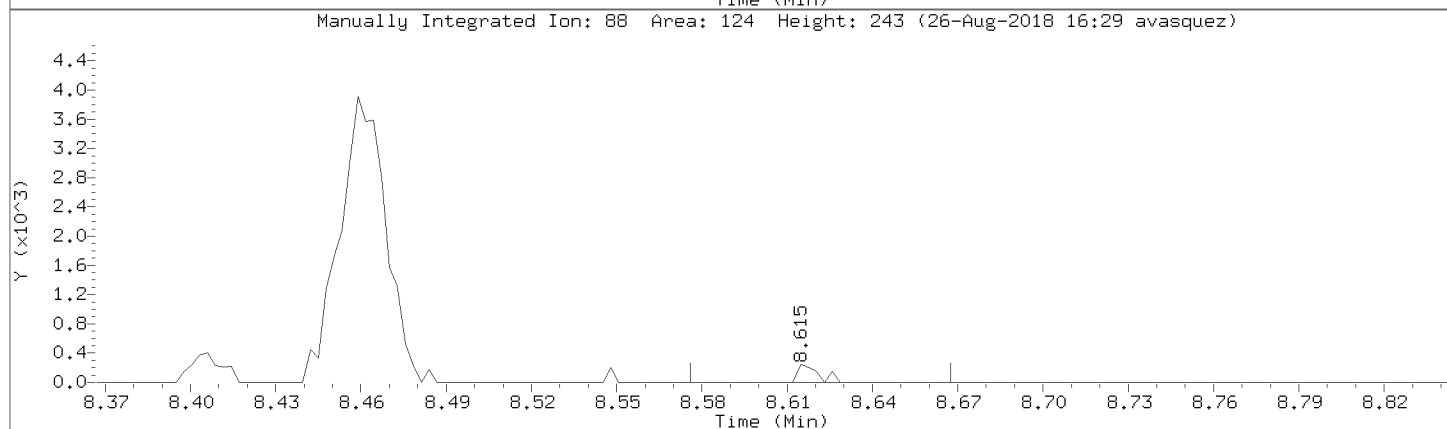
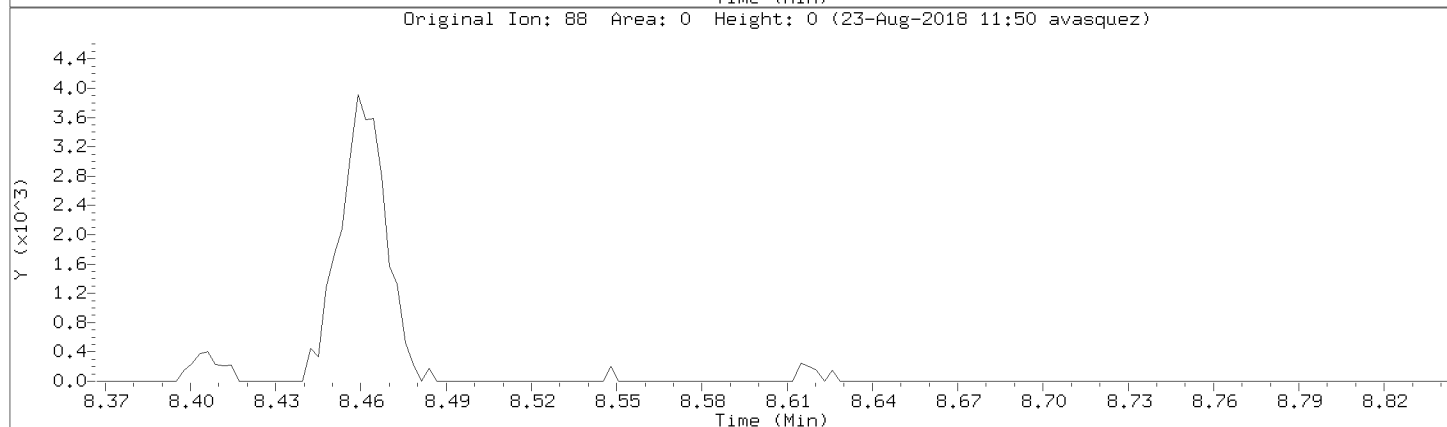
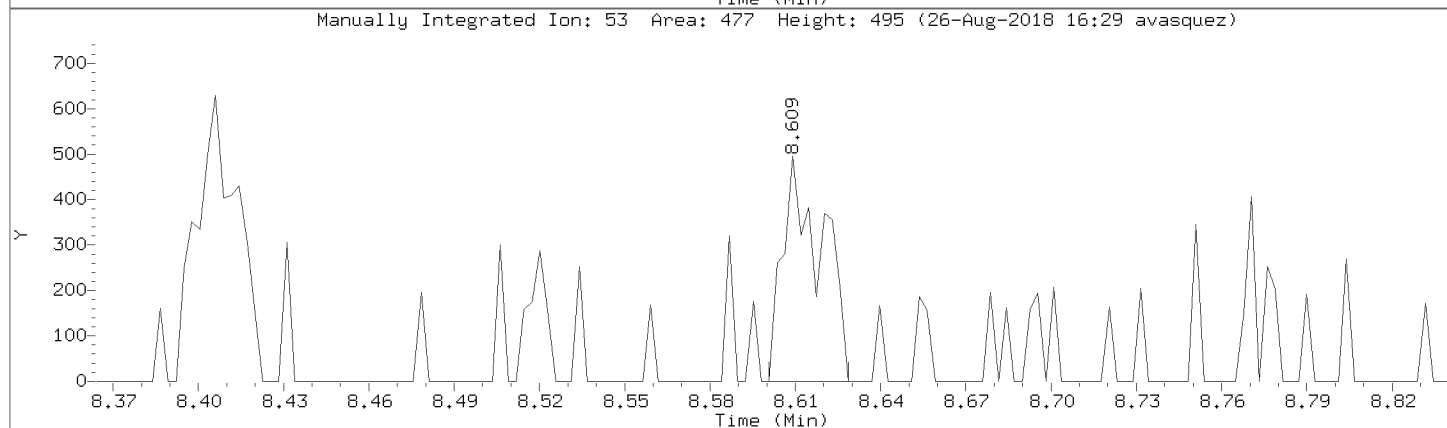
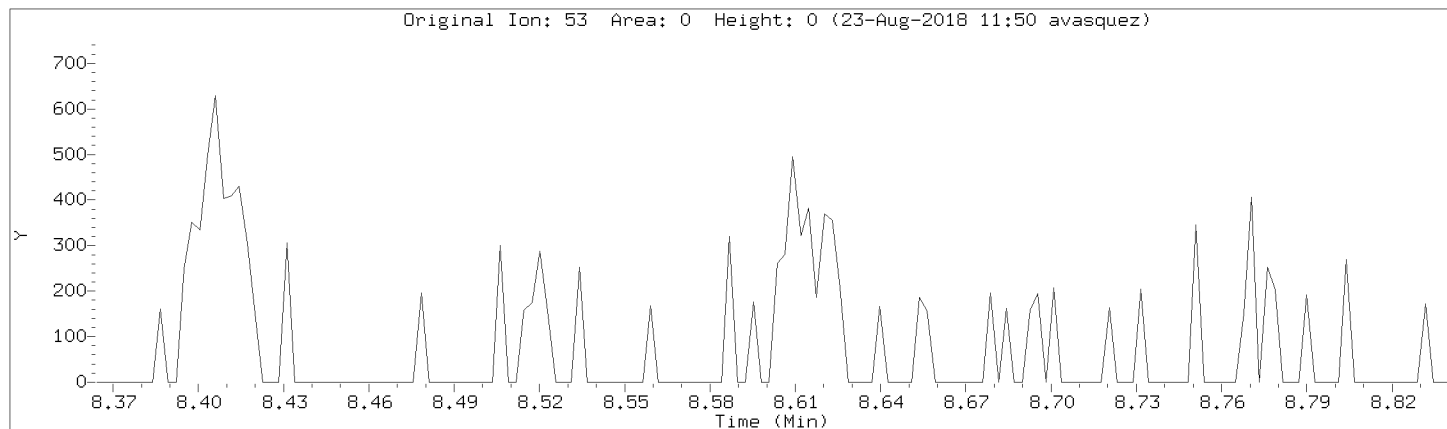
Compound: Iodomethane Review Code: NI

CAS Number:



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

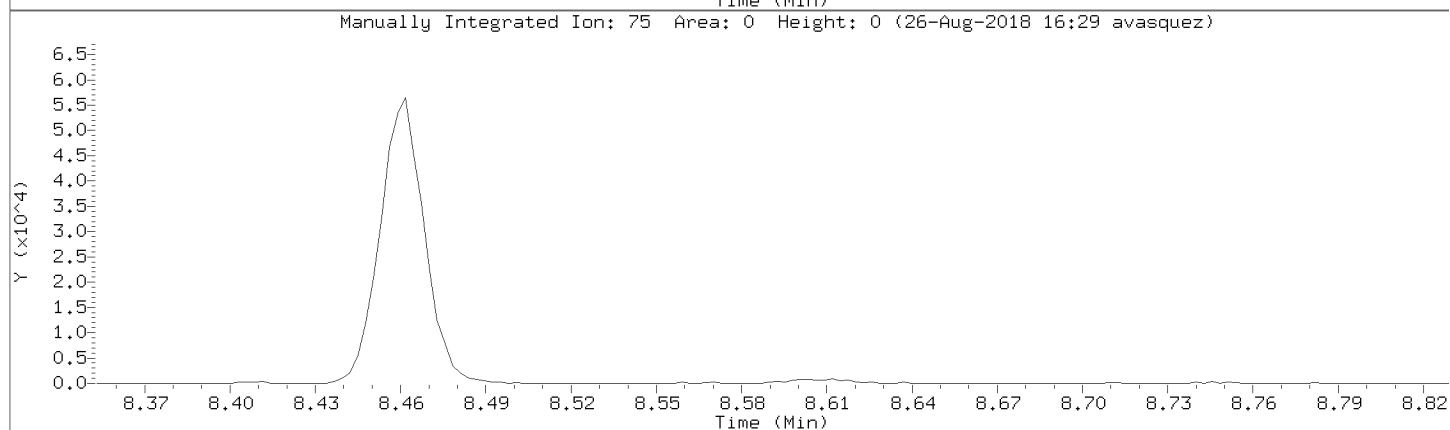
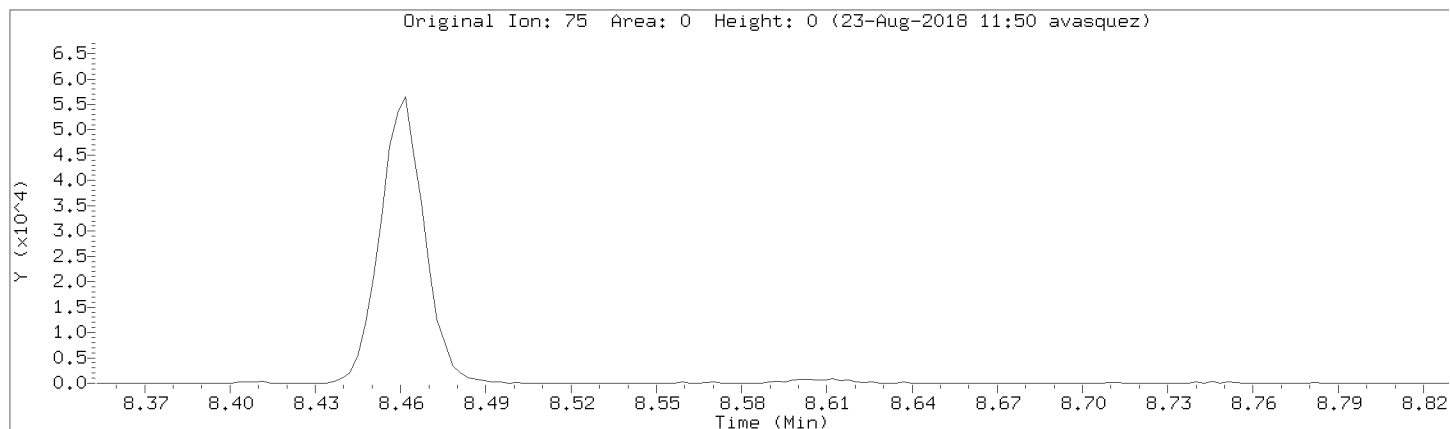


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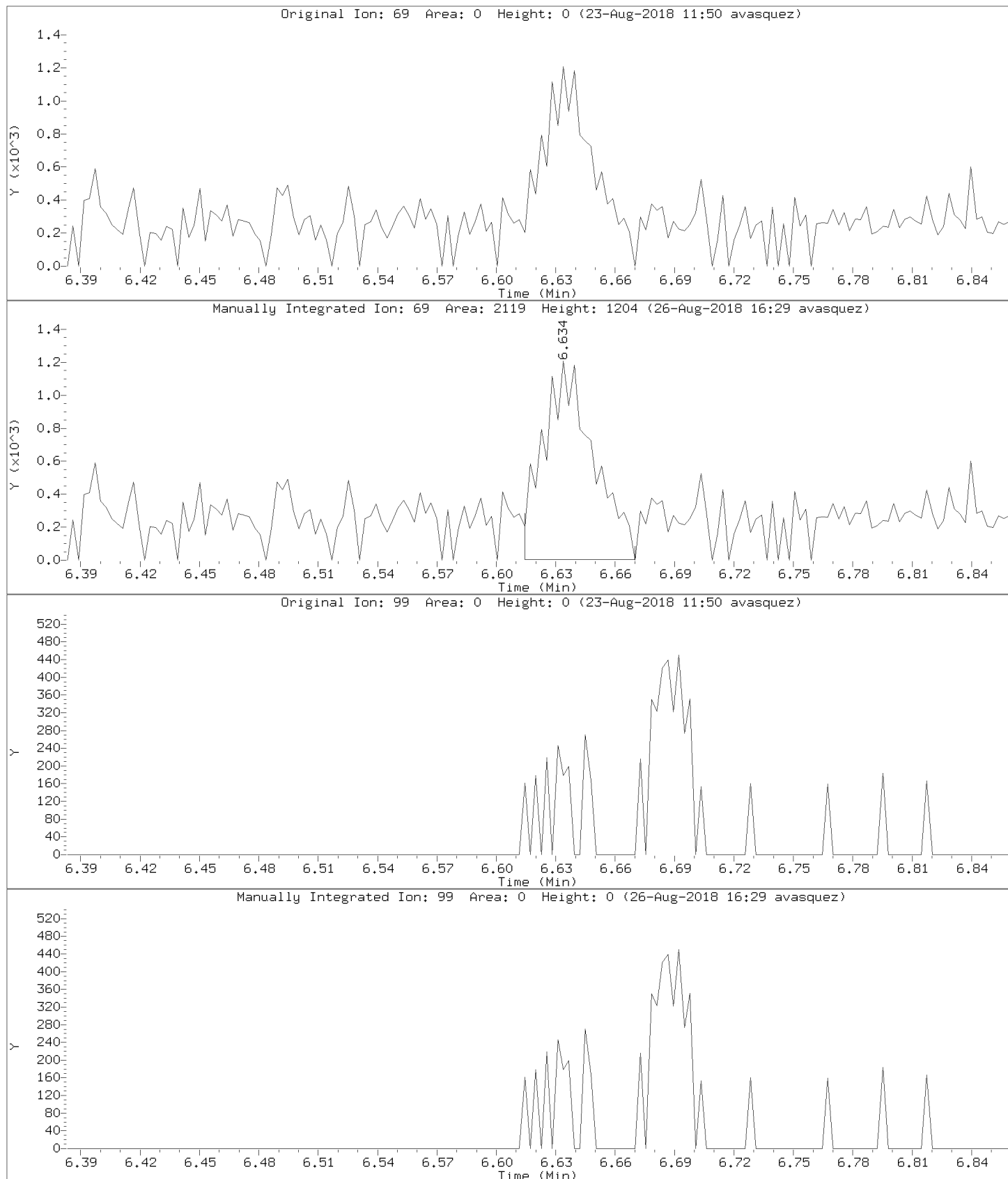
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1



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

Compound: Ethyl Methacrylate Review Code: NI
CAS Number:

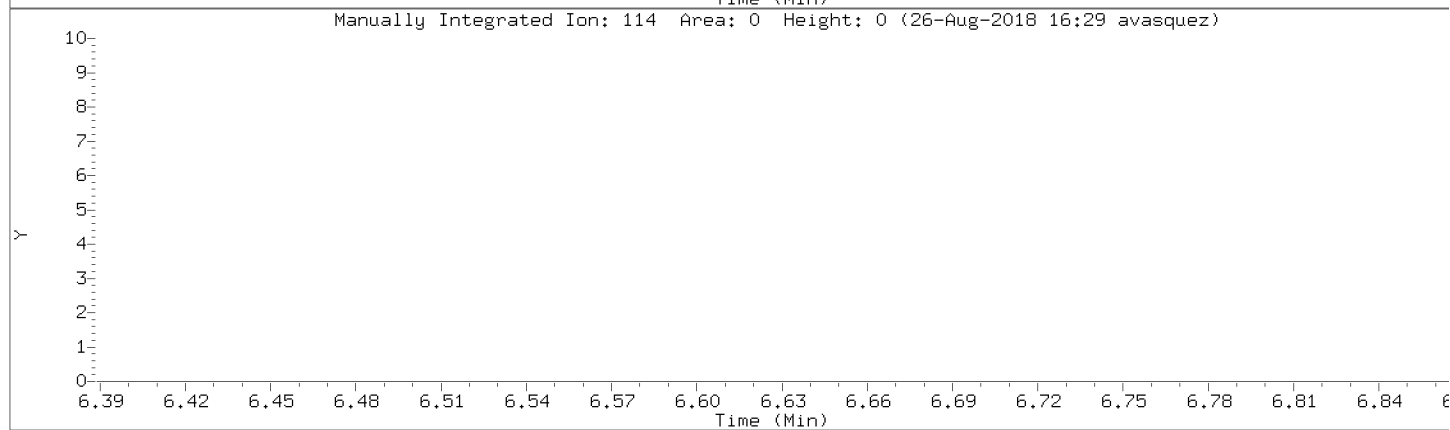
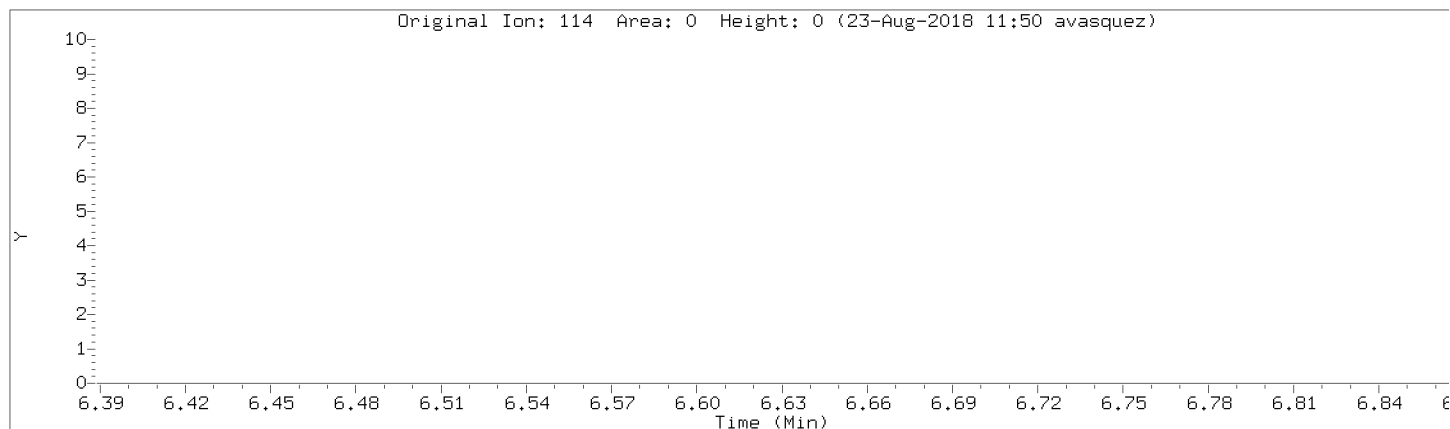


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Injection Date: 22-AUG-2018 14:19

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1



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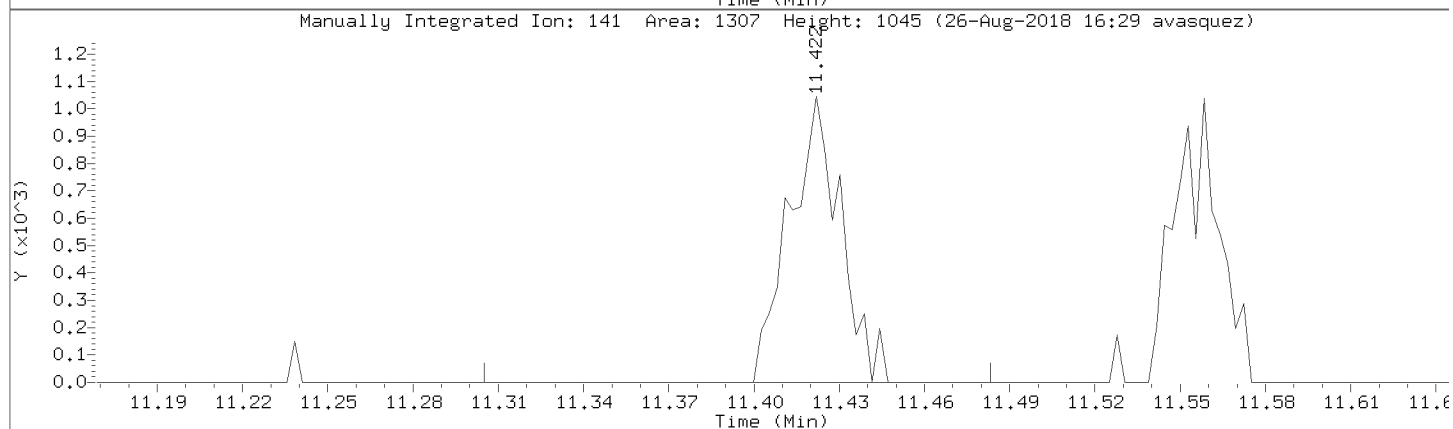
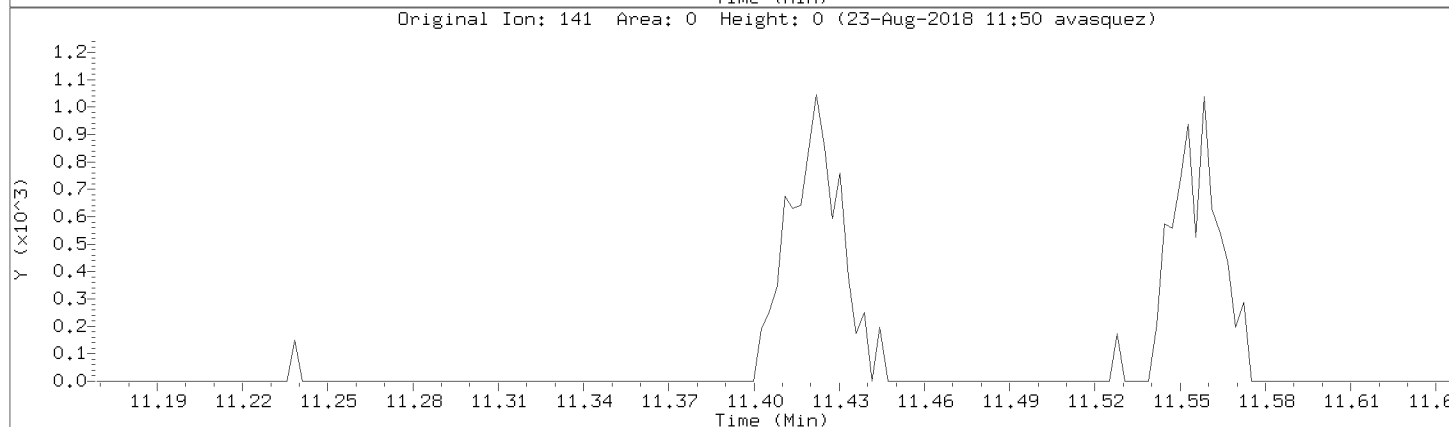
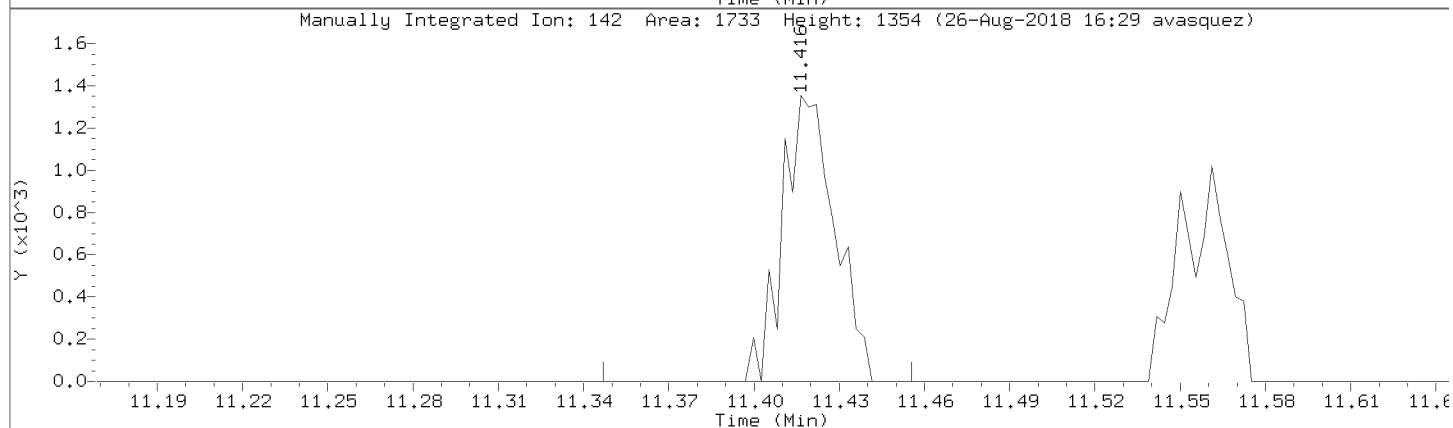
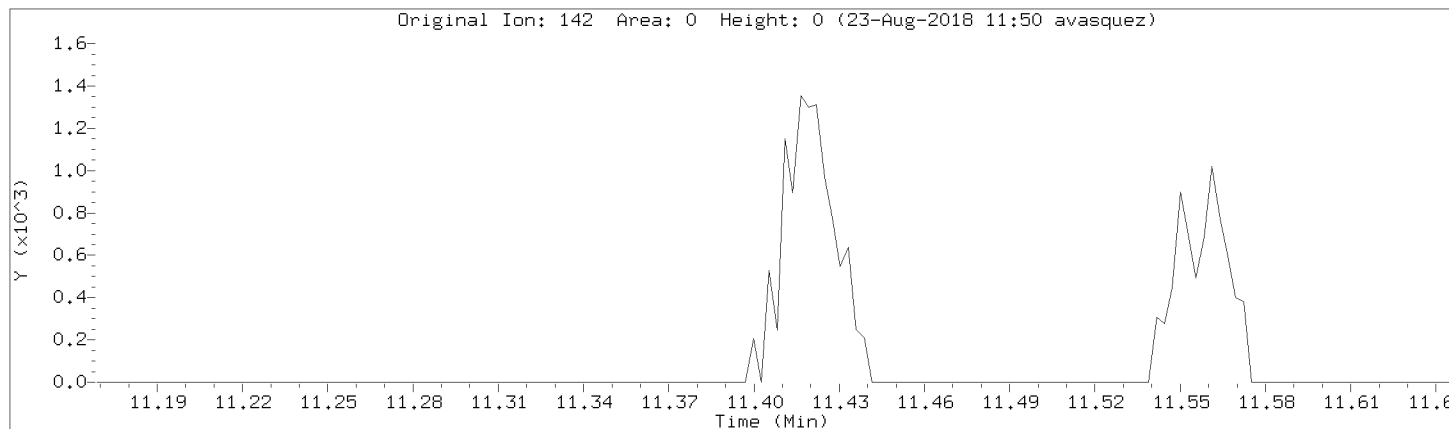
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Lab Sample ID: 8260-CAL1

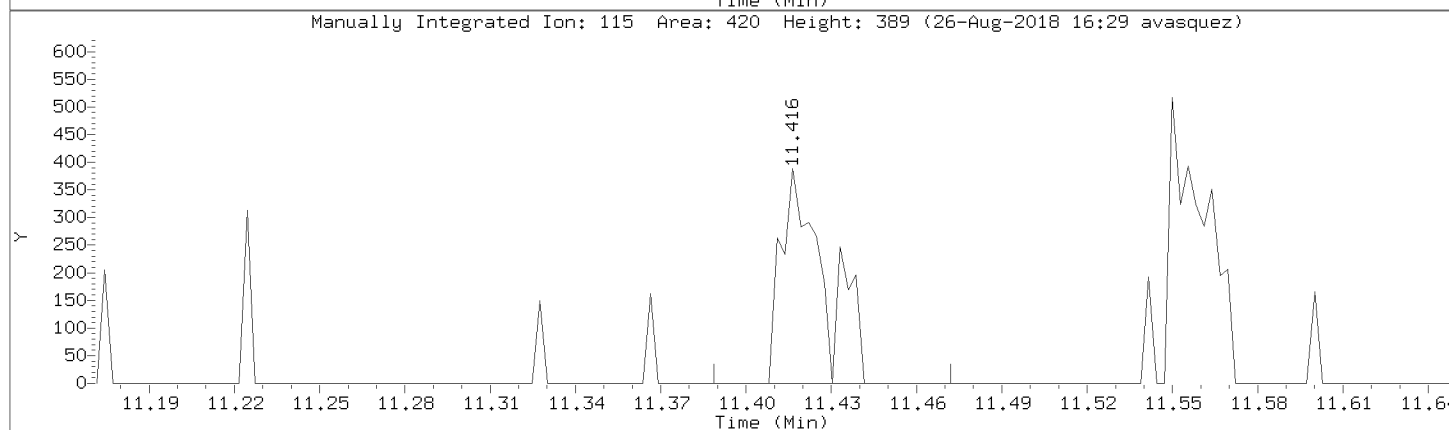
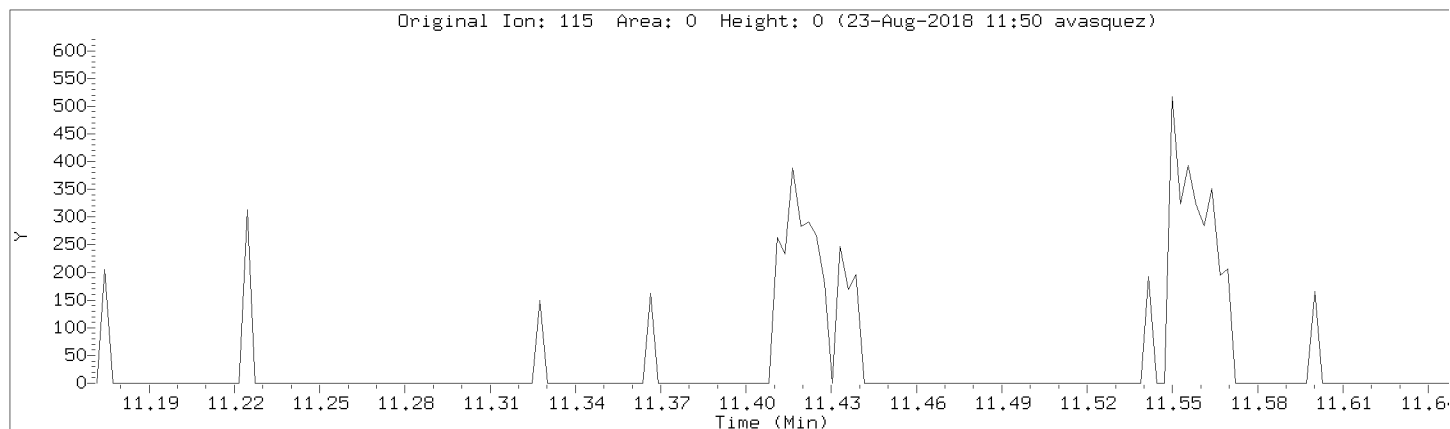
Compound: 2,methyl-naphthalene

Review Code: NI

CAS Number:

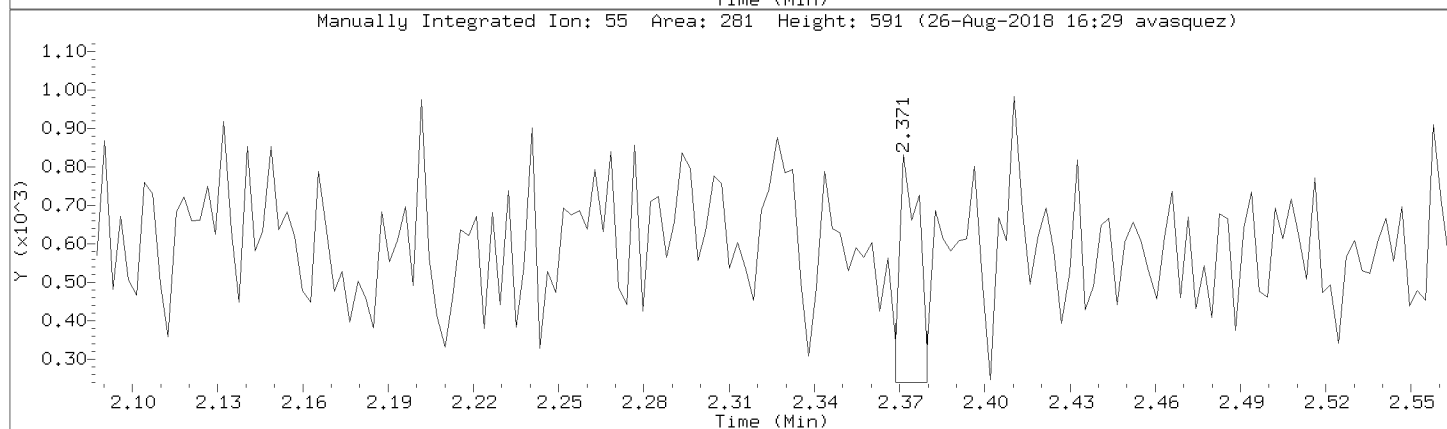
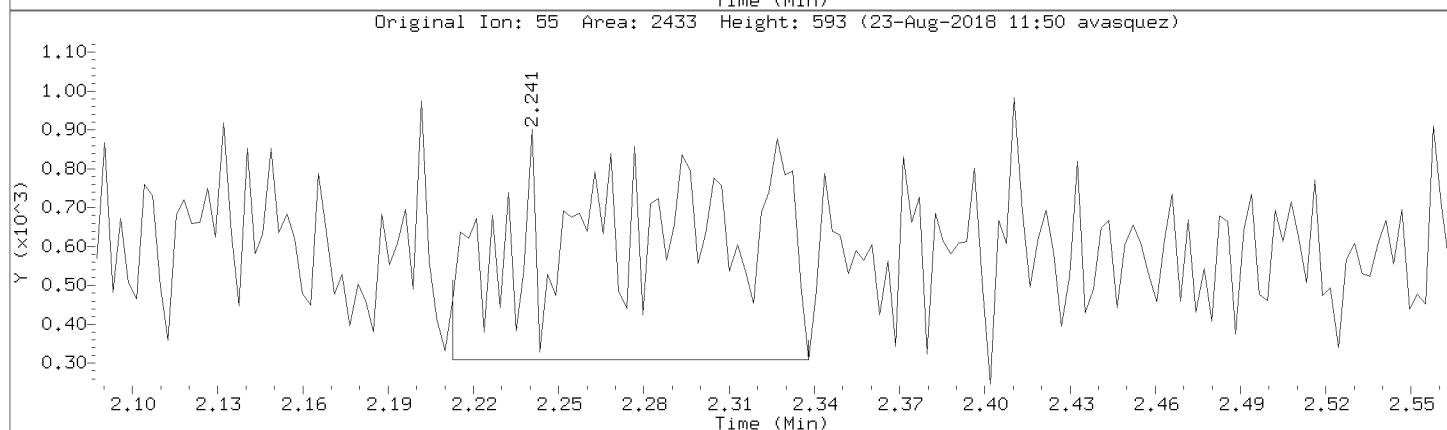
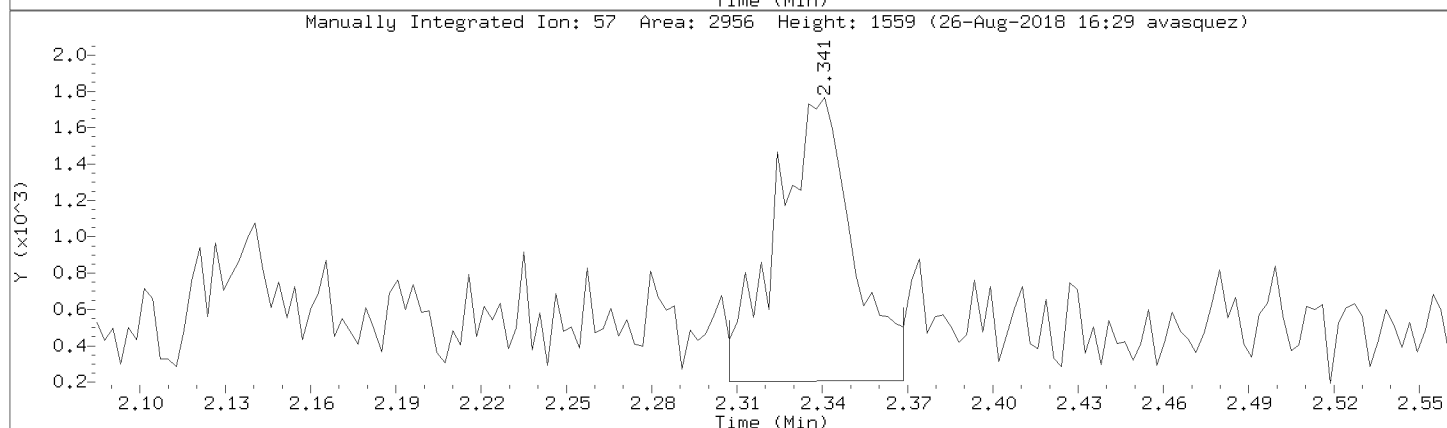
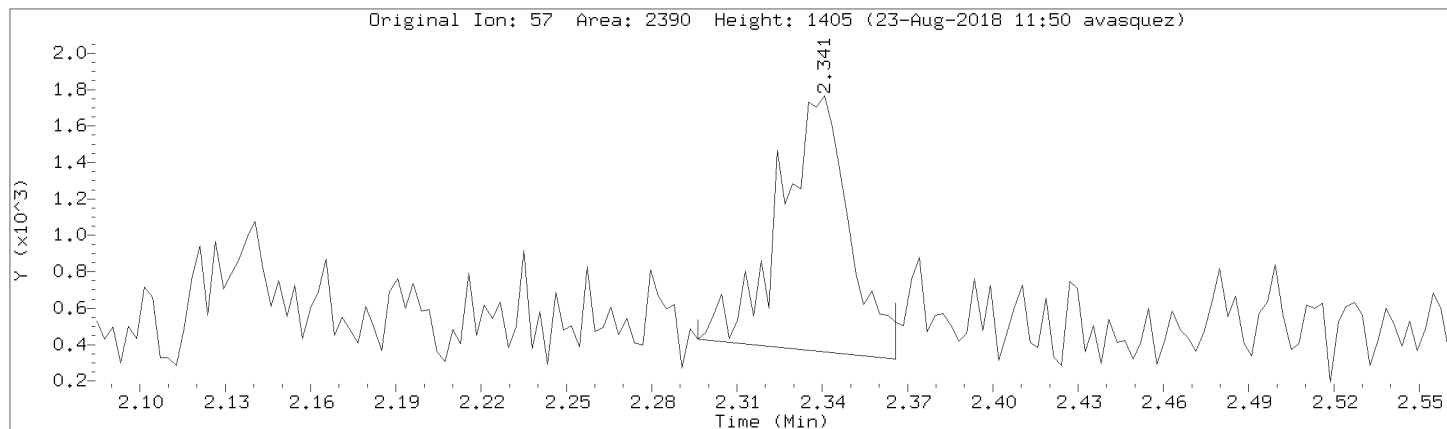


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



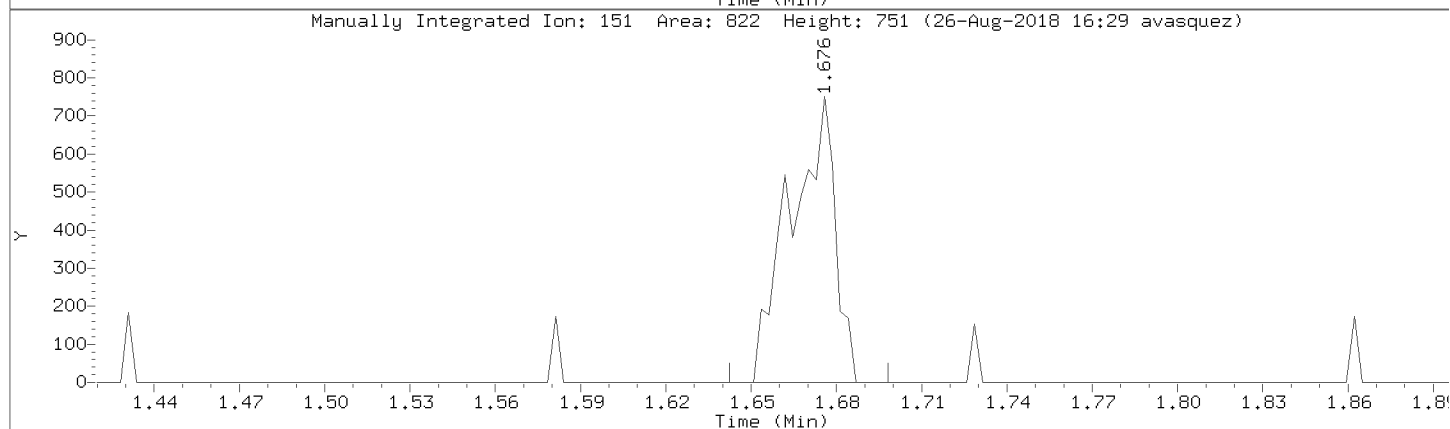
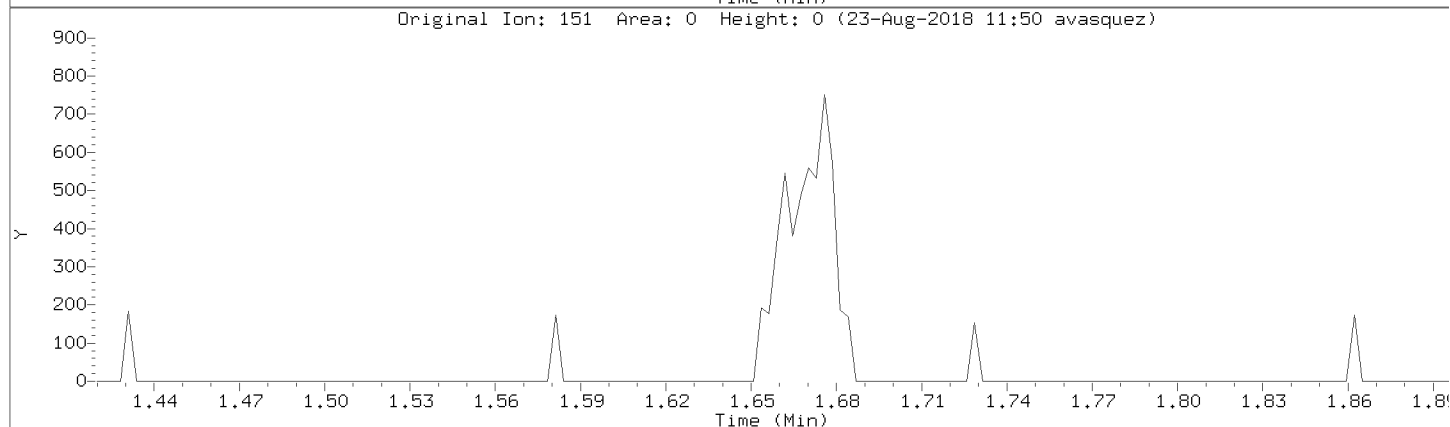
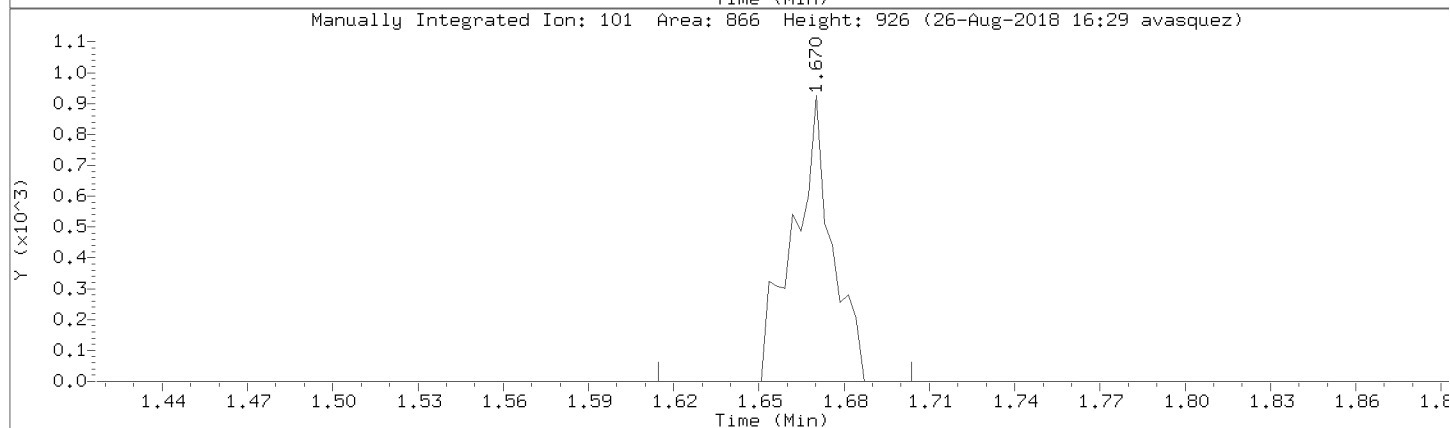
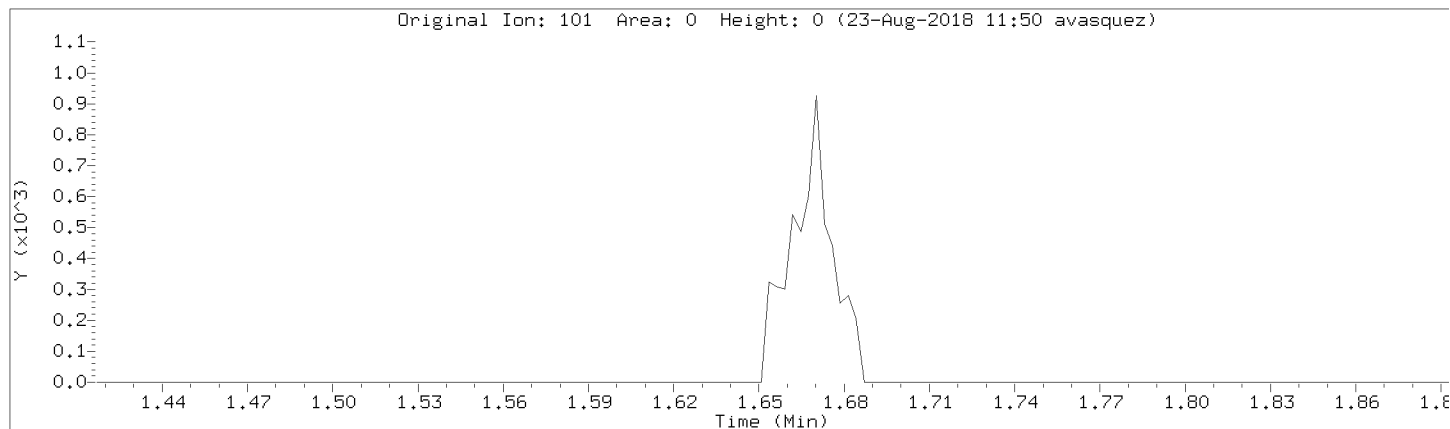
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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

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



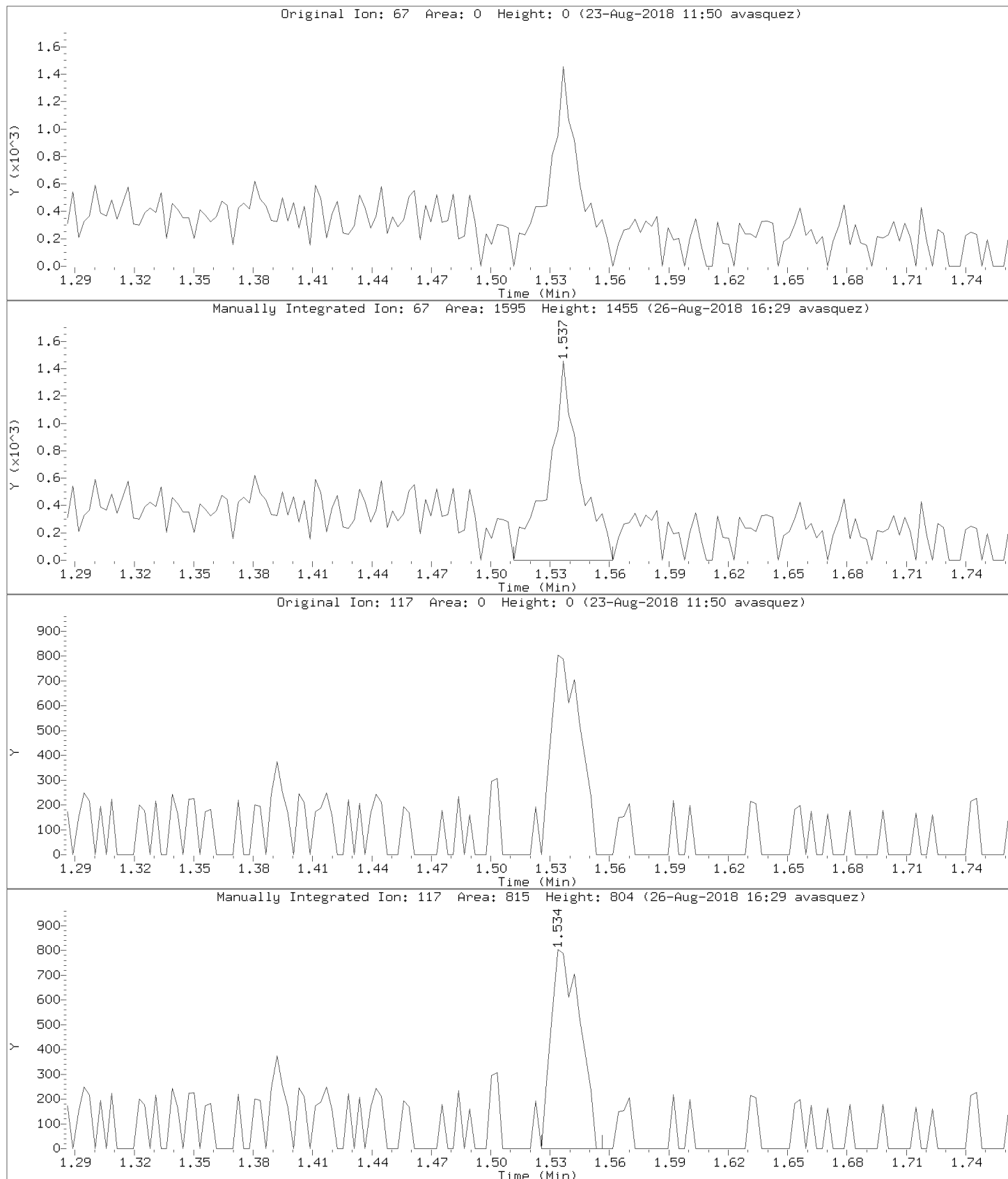
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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

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

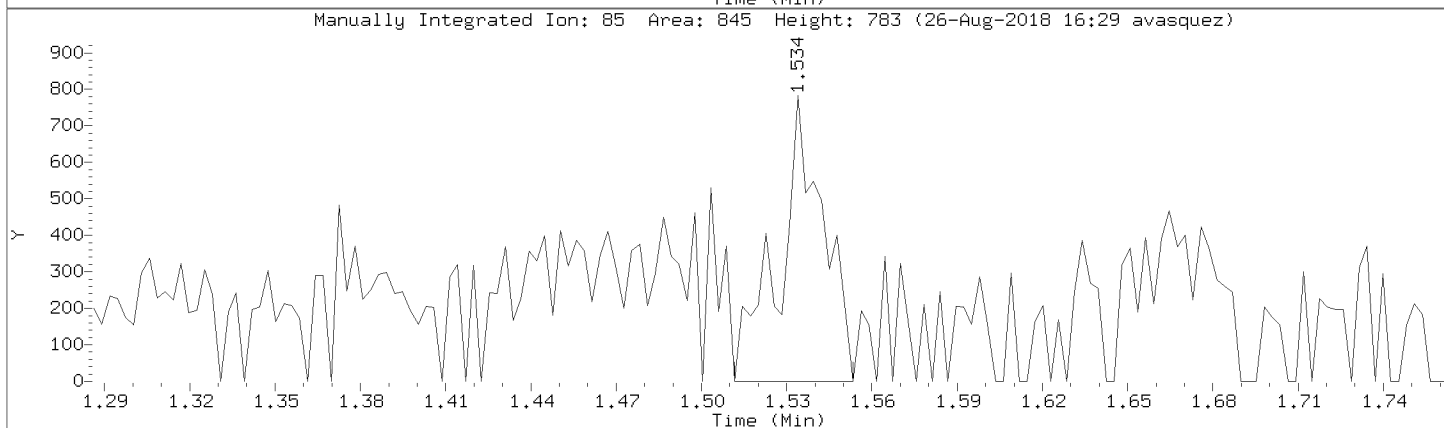
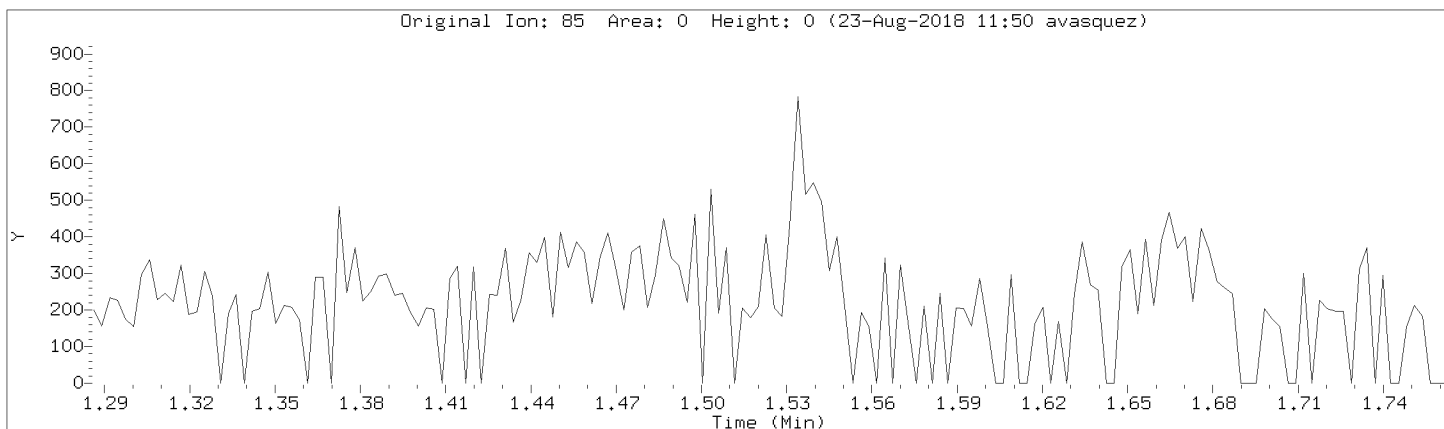


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

Compound: 1,2-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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Injection Date: 22-AUG-2018 14:19

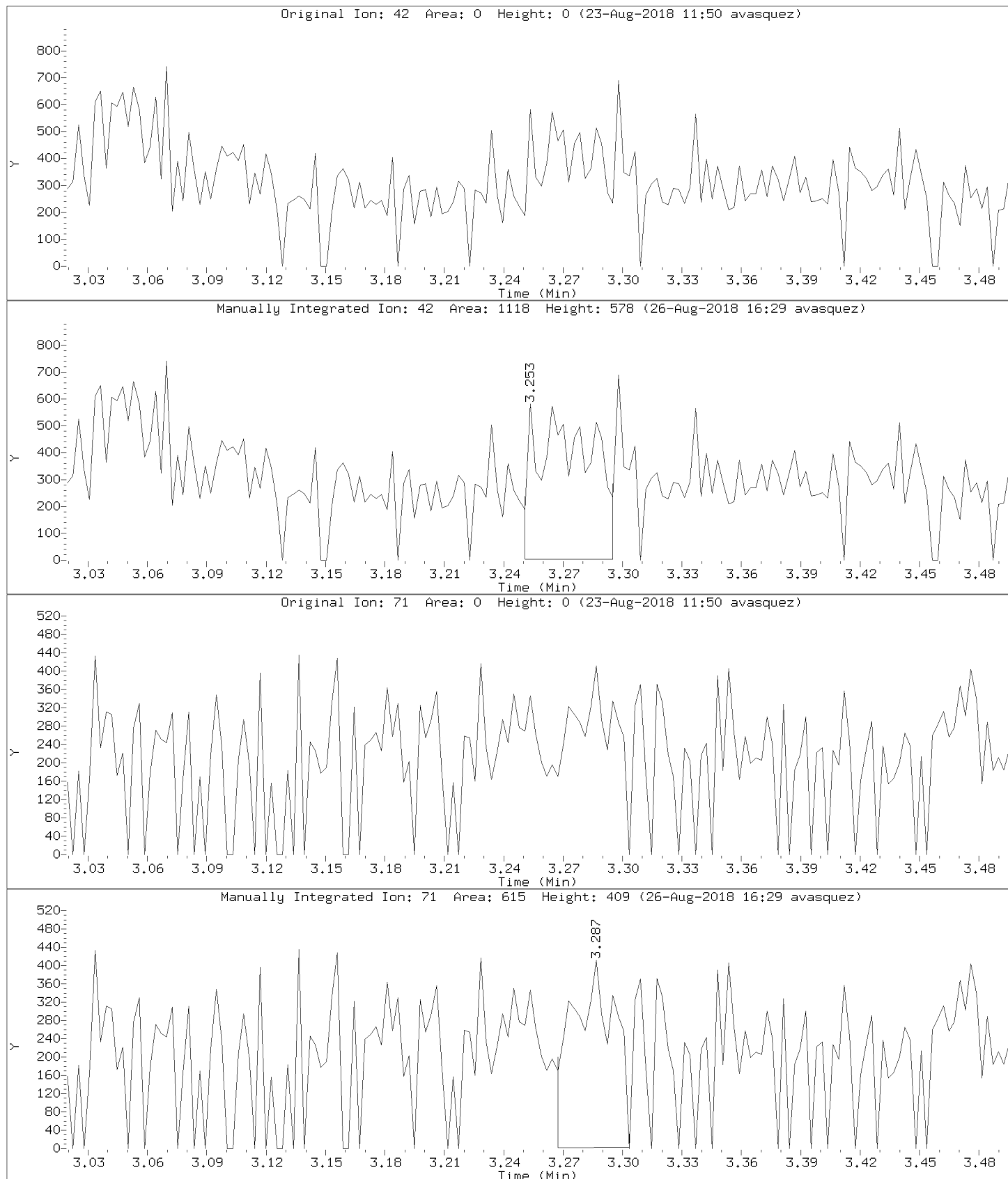
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Lab Sample ID: 8260-CAL1

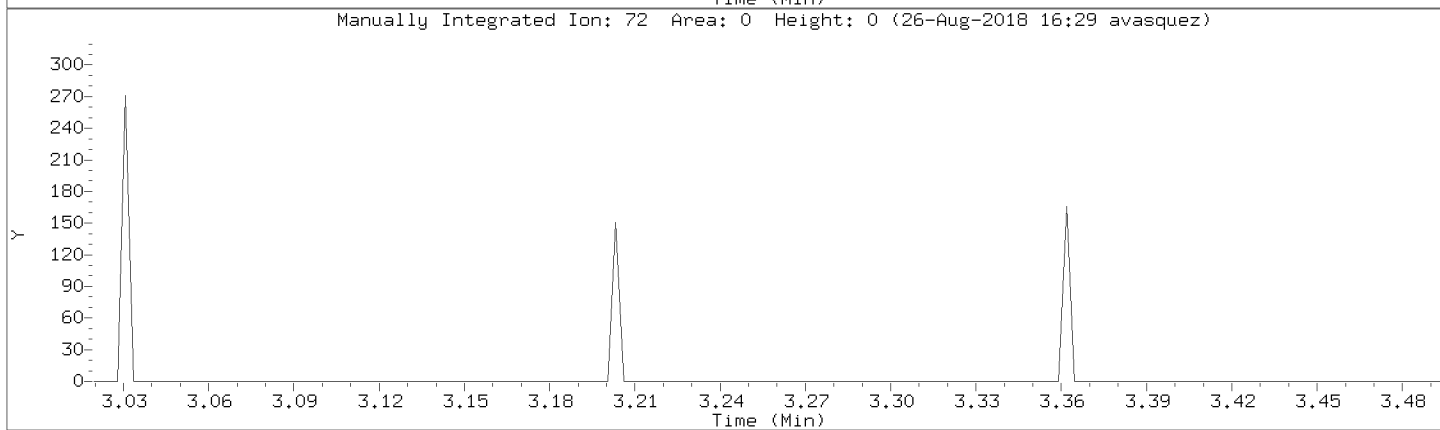
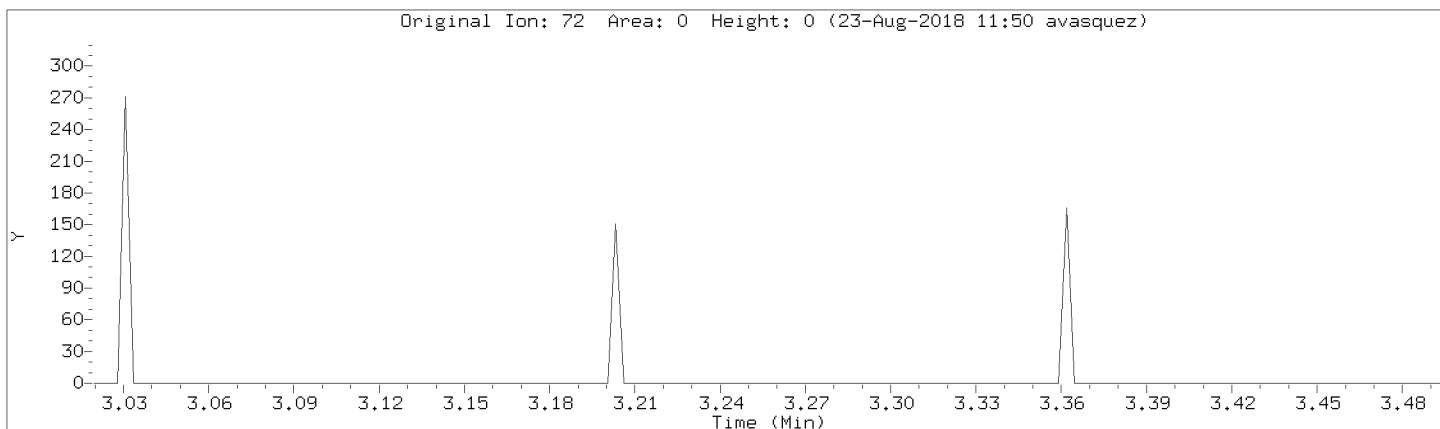
Compound: Tetrahydrofuran

Review Code: NI

CAS Number:



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

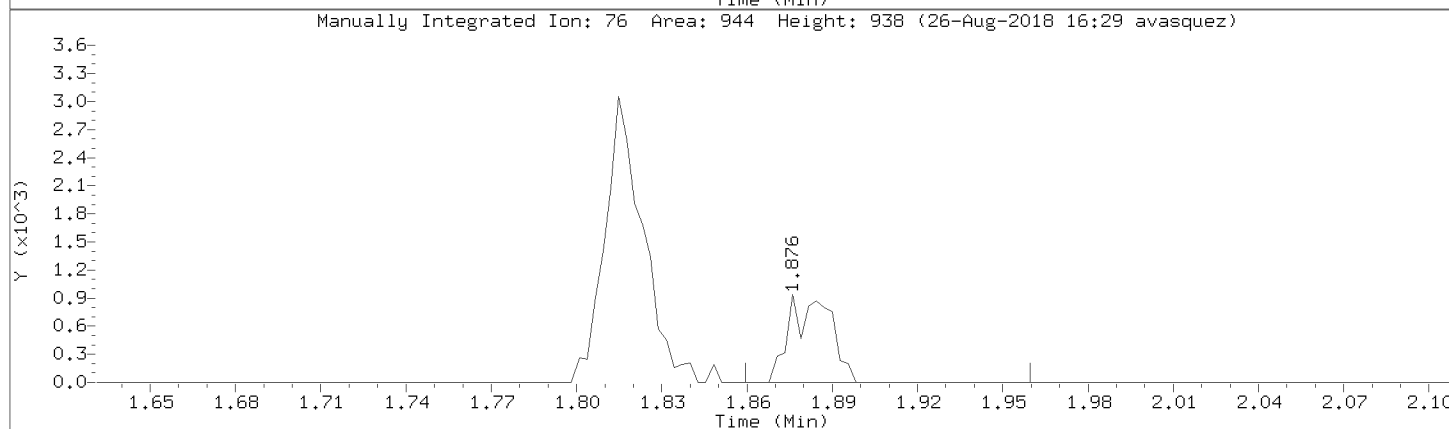
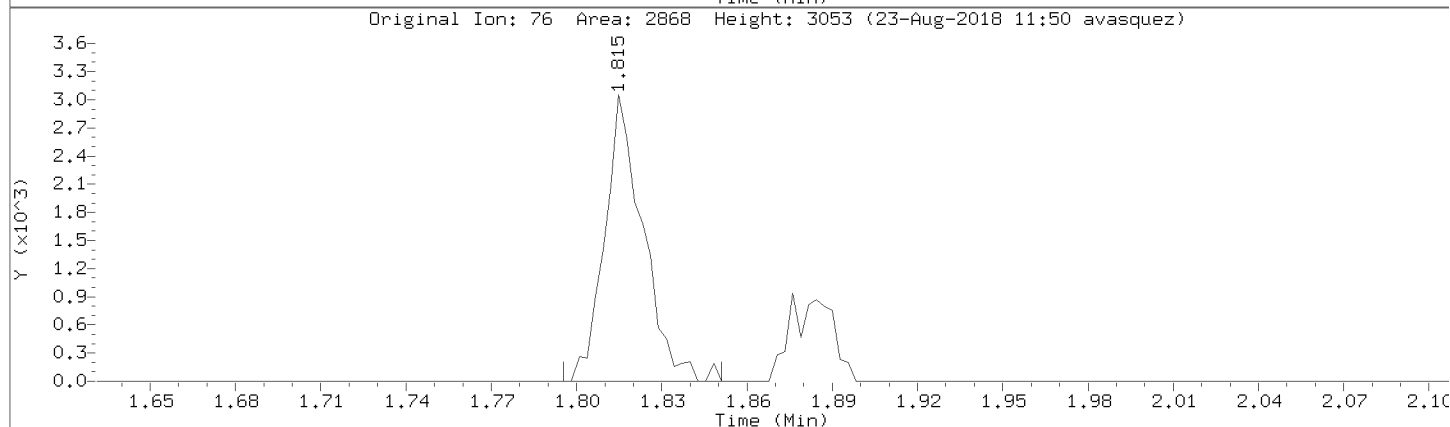
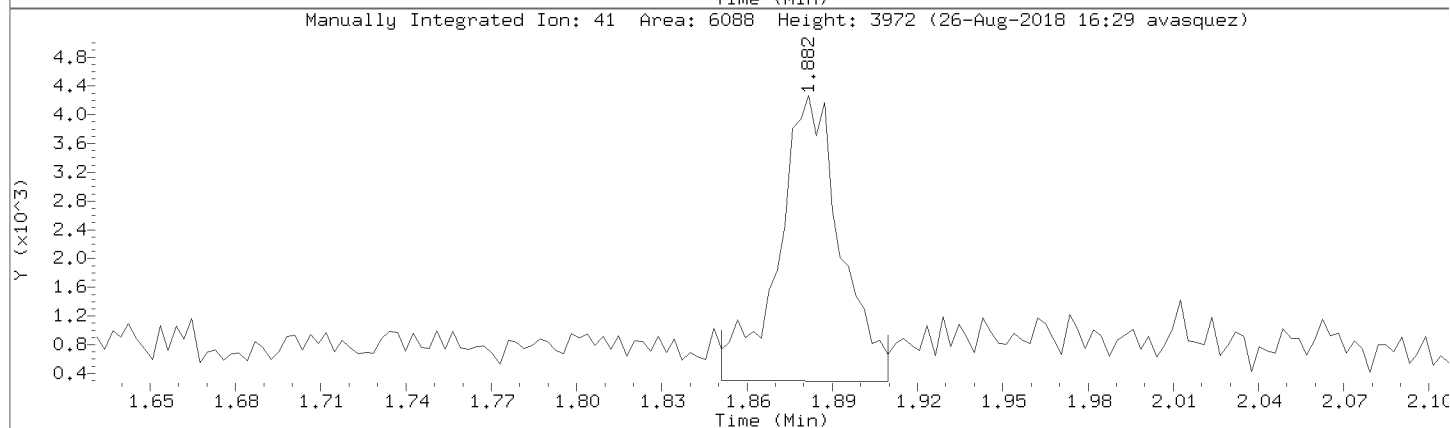
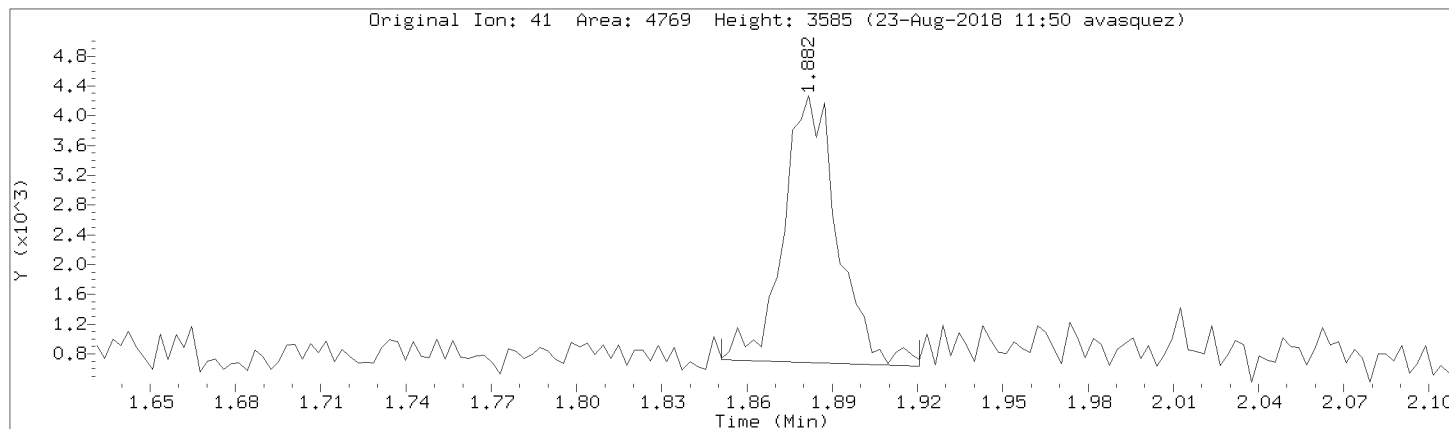
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: allyl chloride

Review Code: LT

CAS Number: 107-05-1



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Injection Date: 22-AUG-2018 14:19

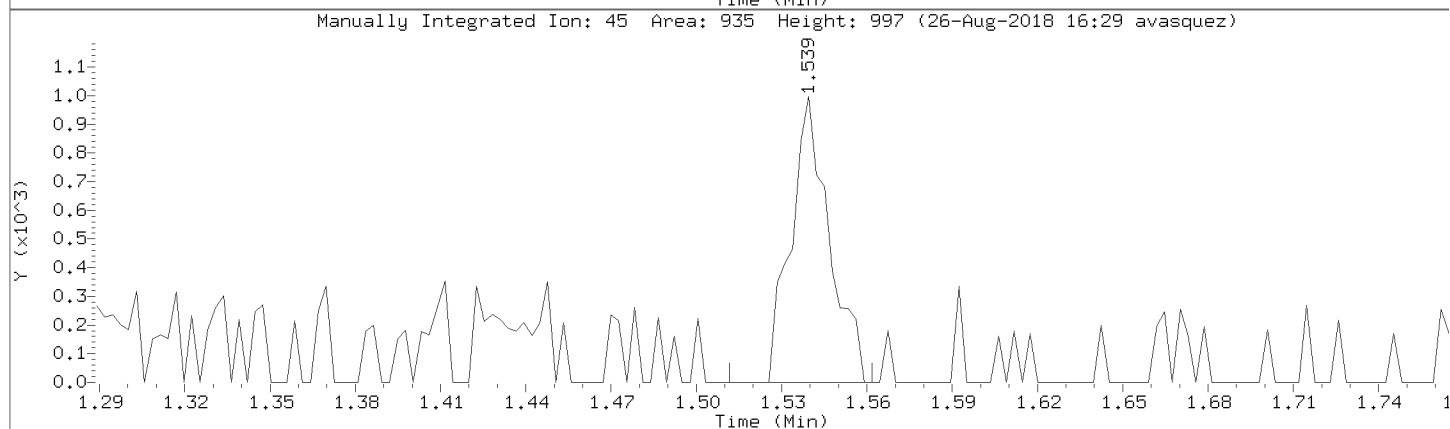
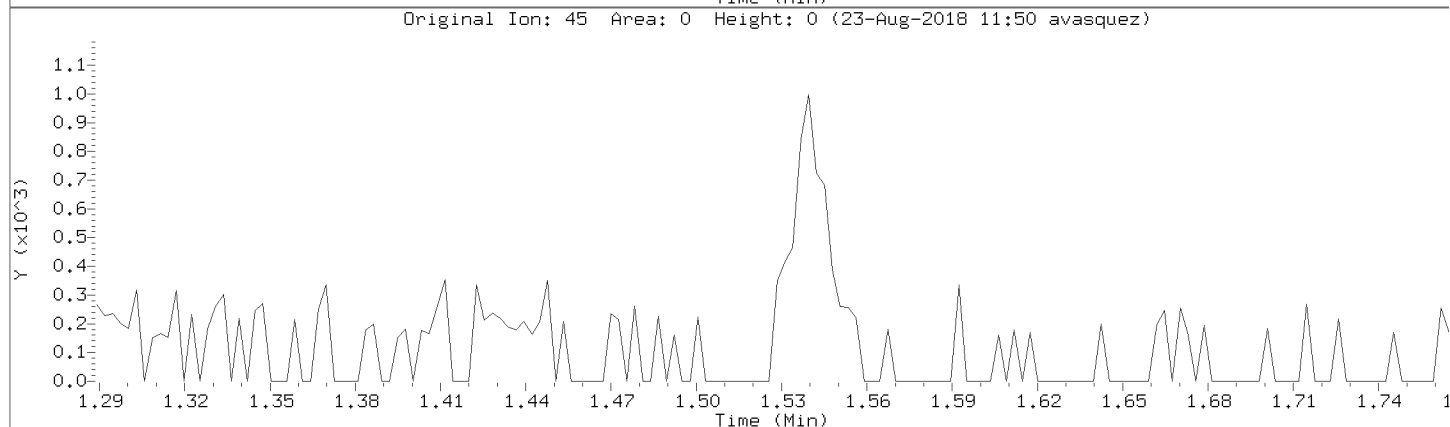
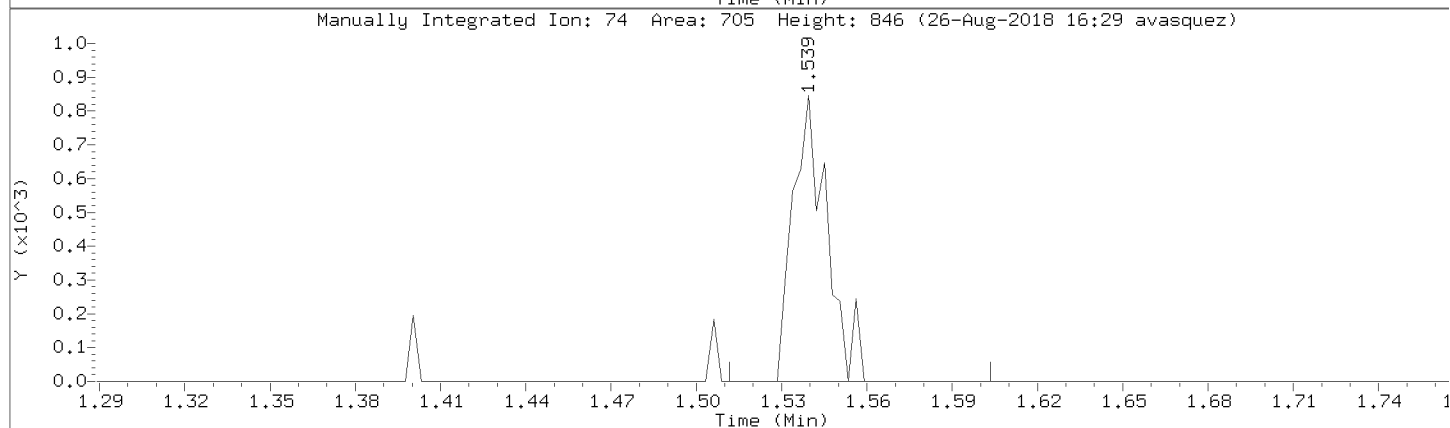
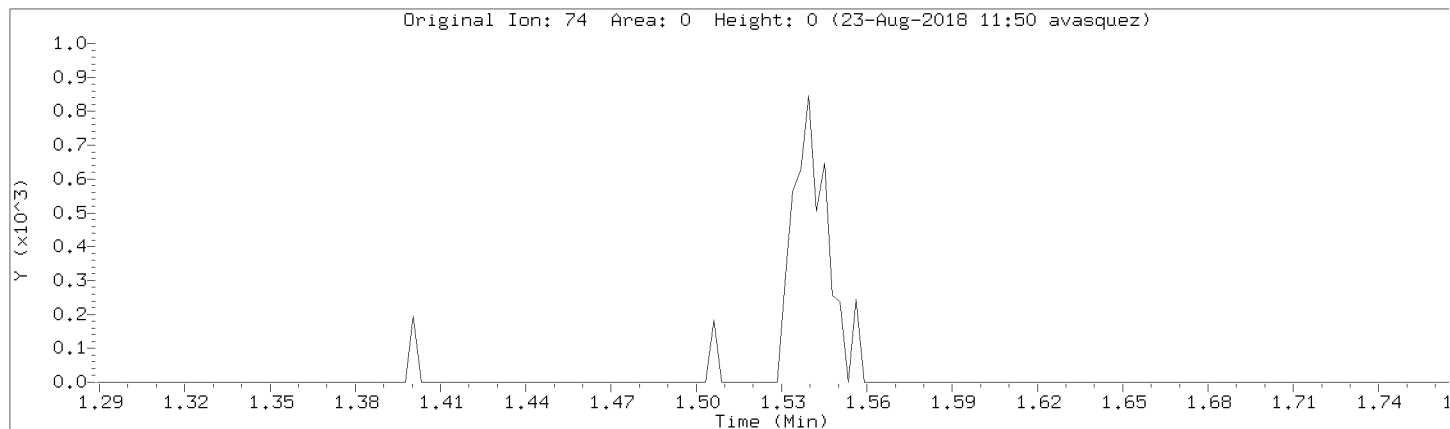
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

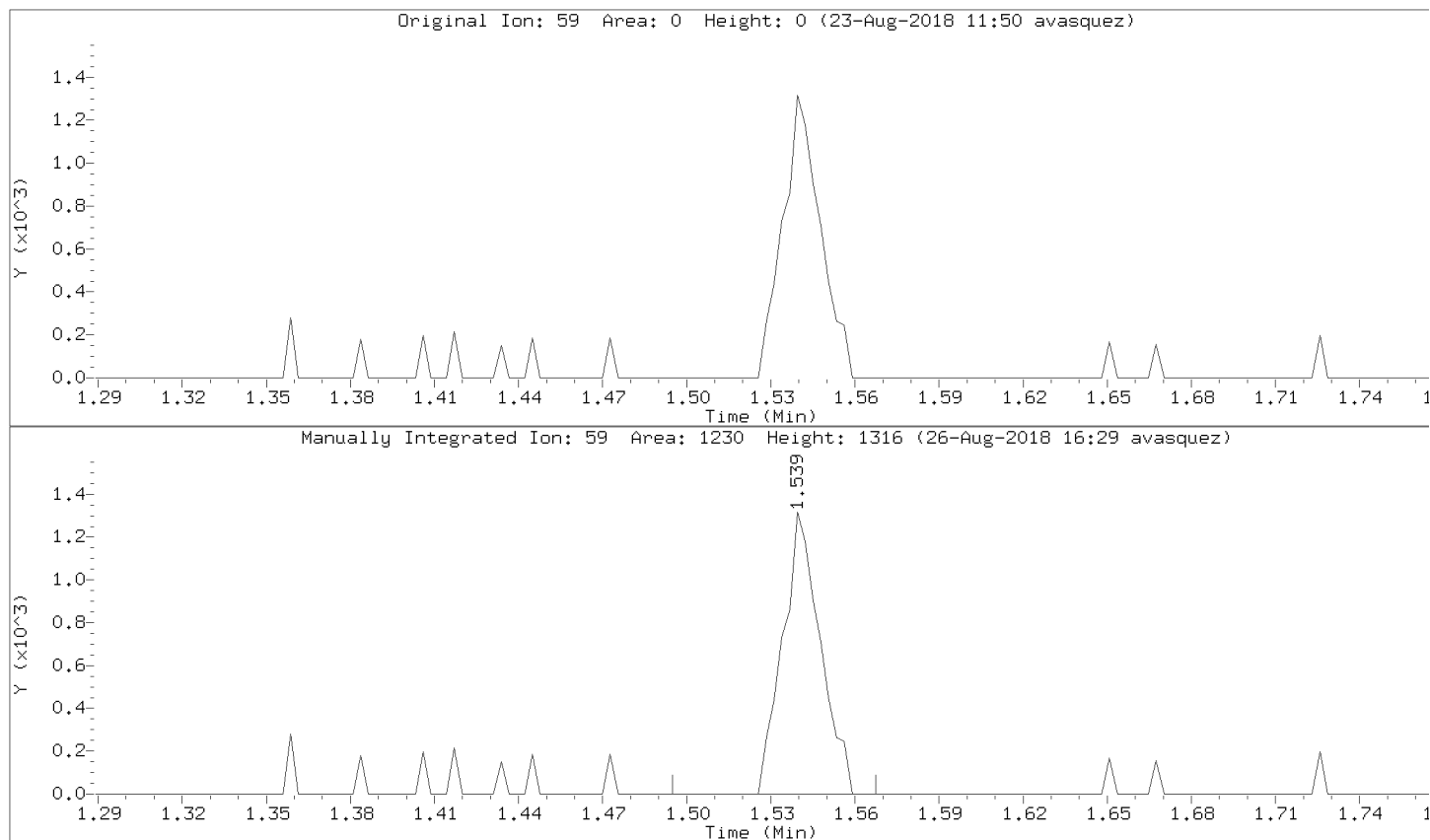
Compound: Diethyl ether

Review Code: NI

CAS Number: 60-29-7



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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

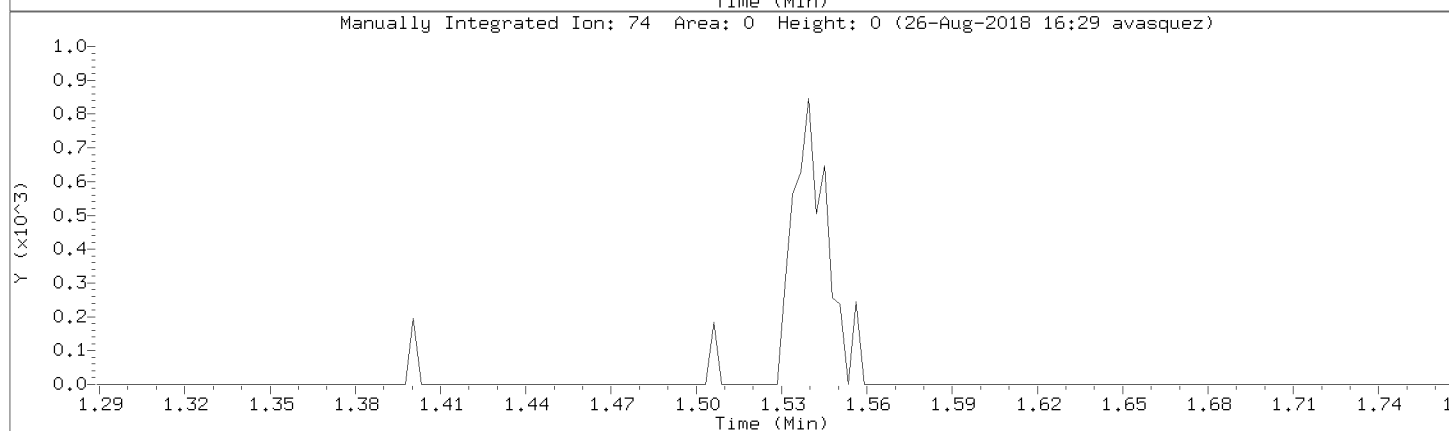
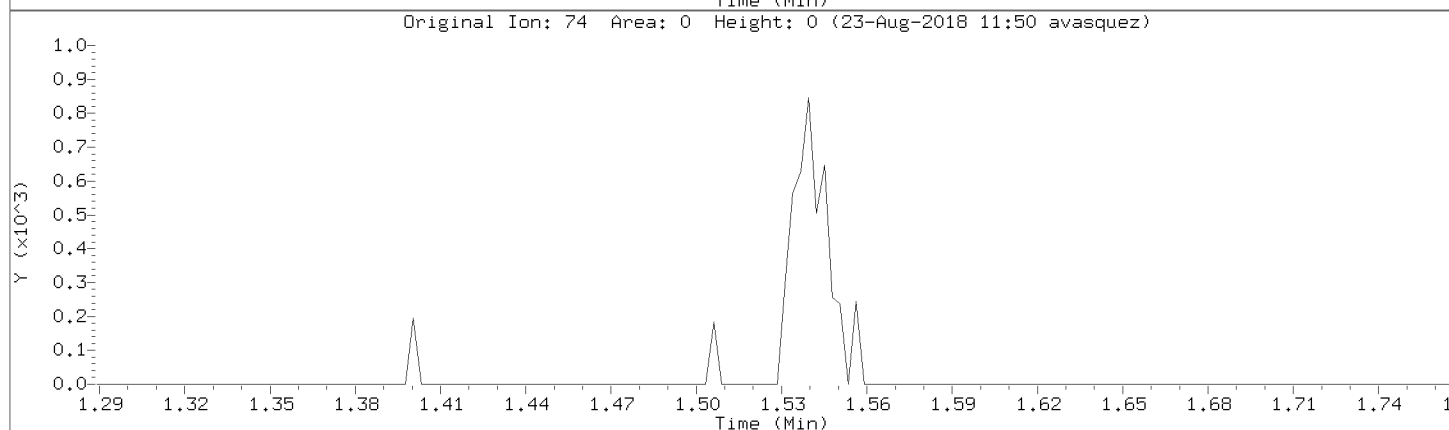
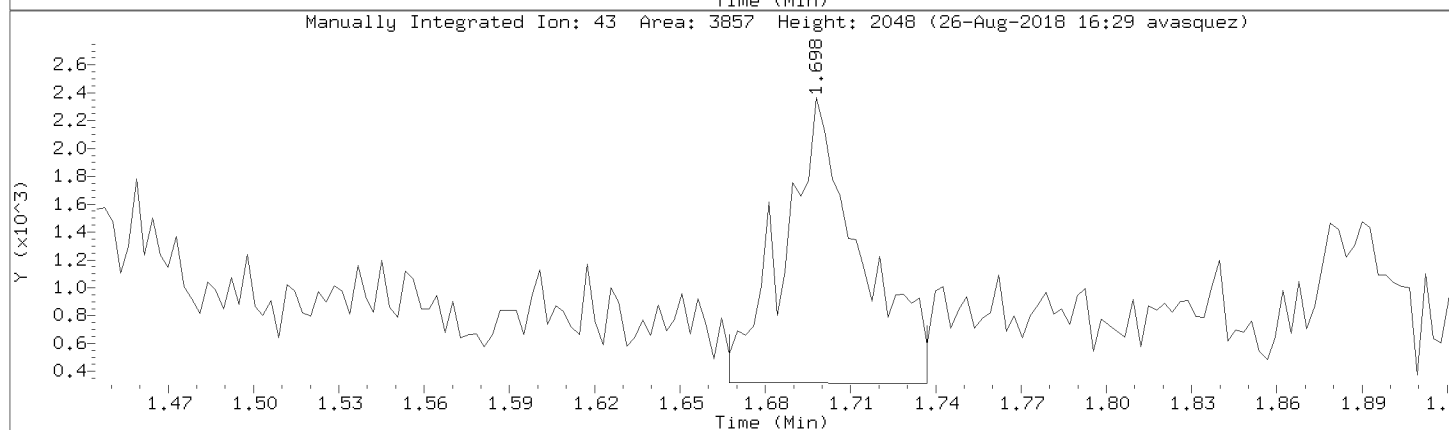
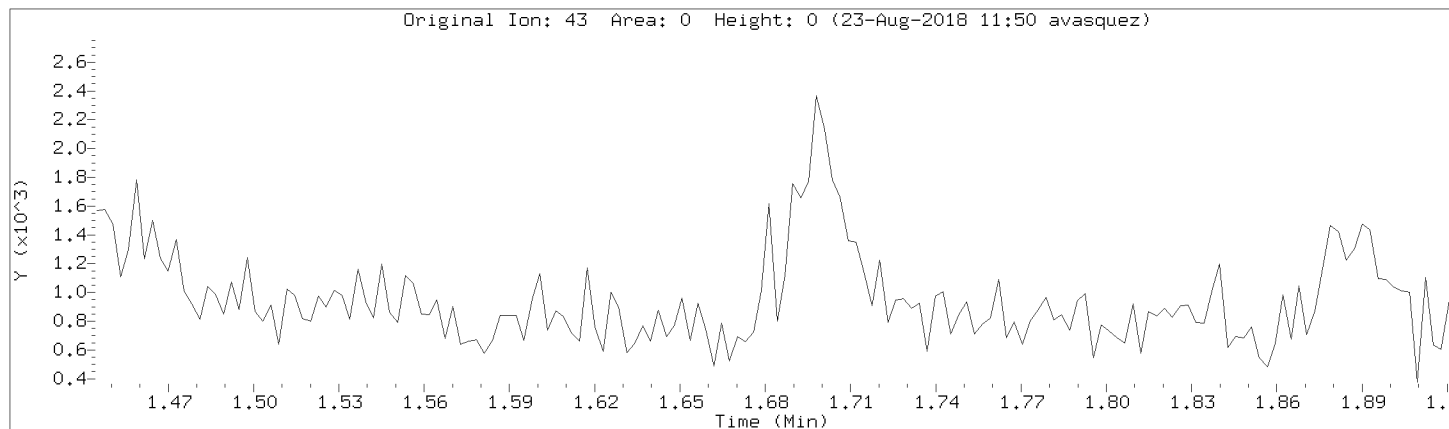
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Methyl Acetate

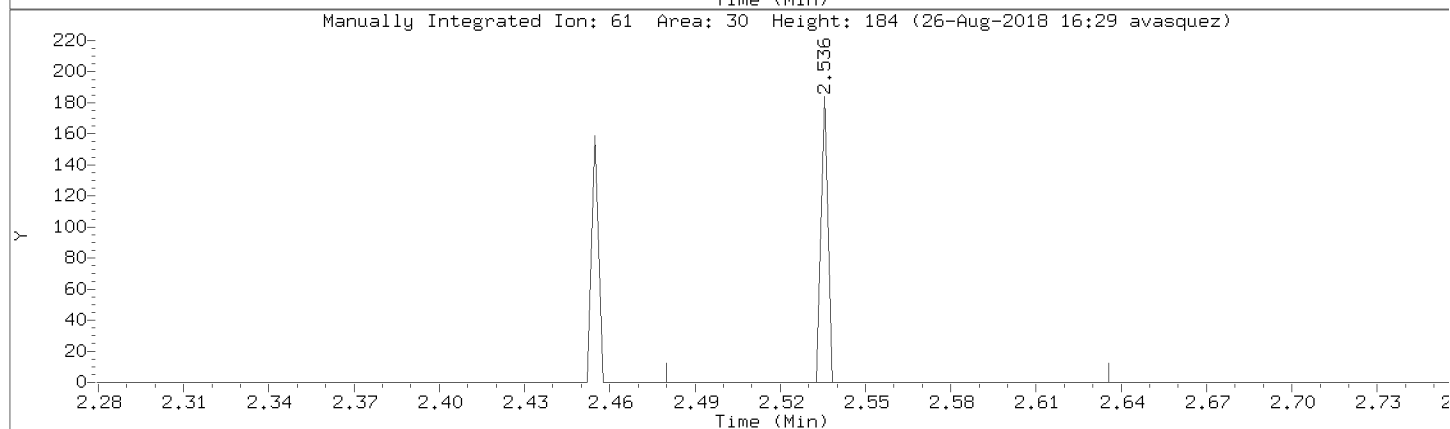
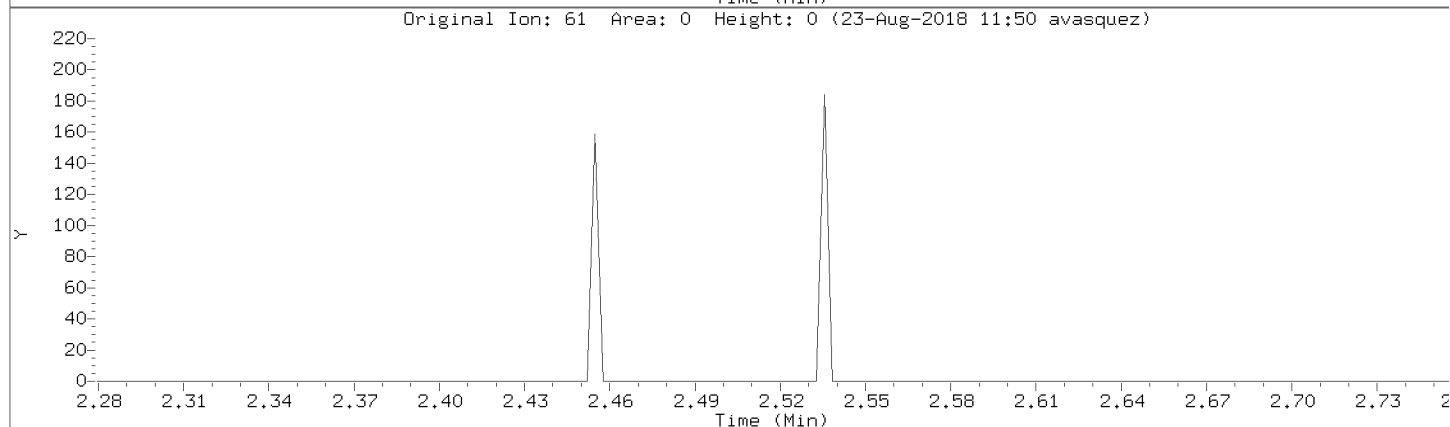
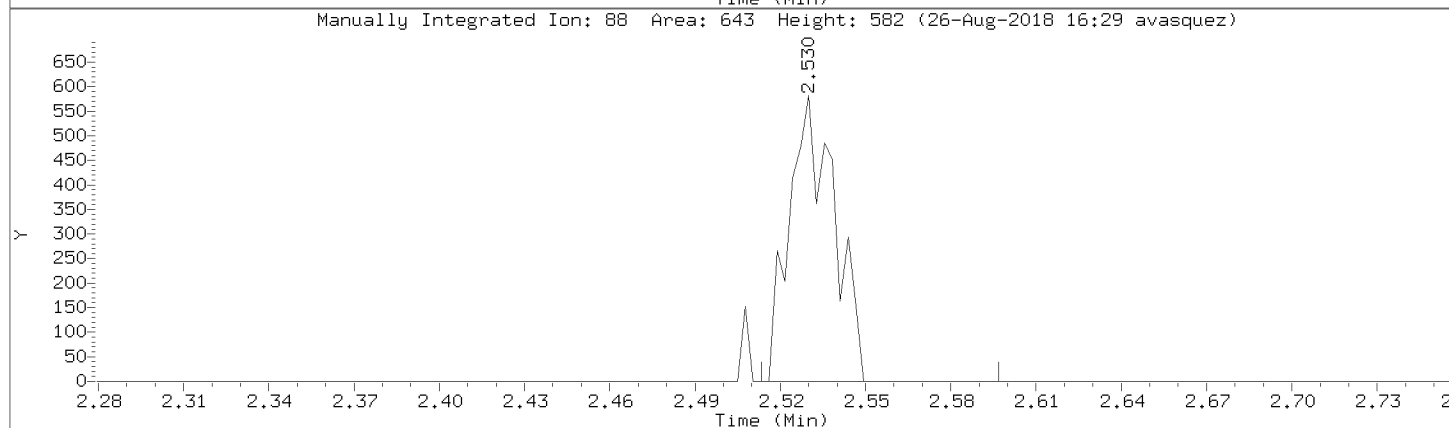
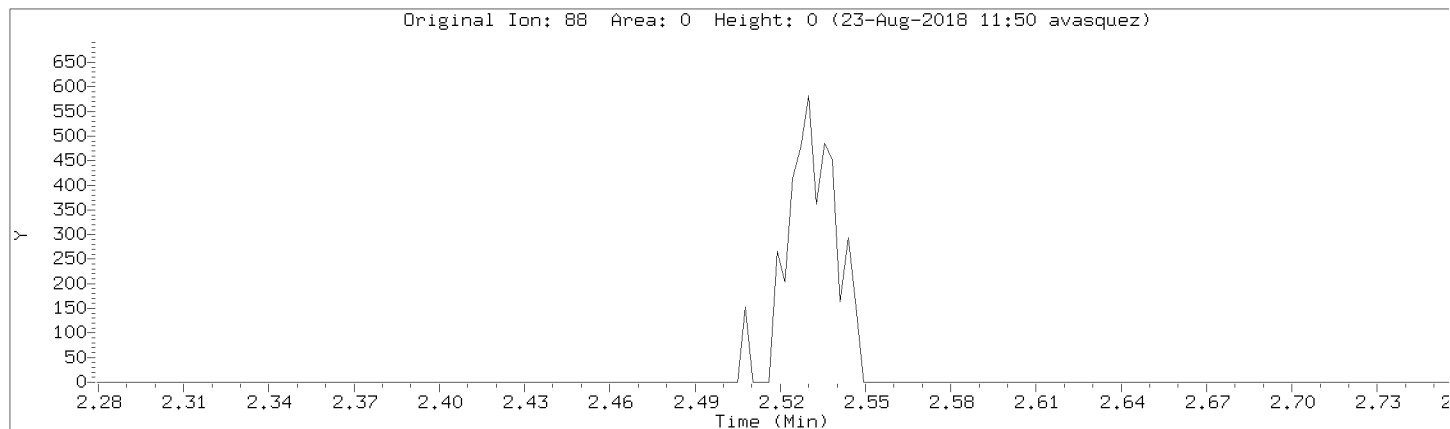
Review Code: NI

CAS Number: 79-20-9

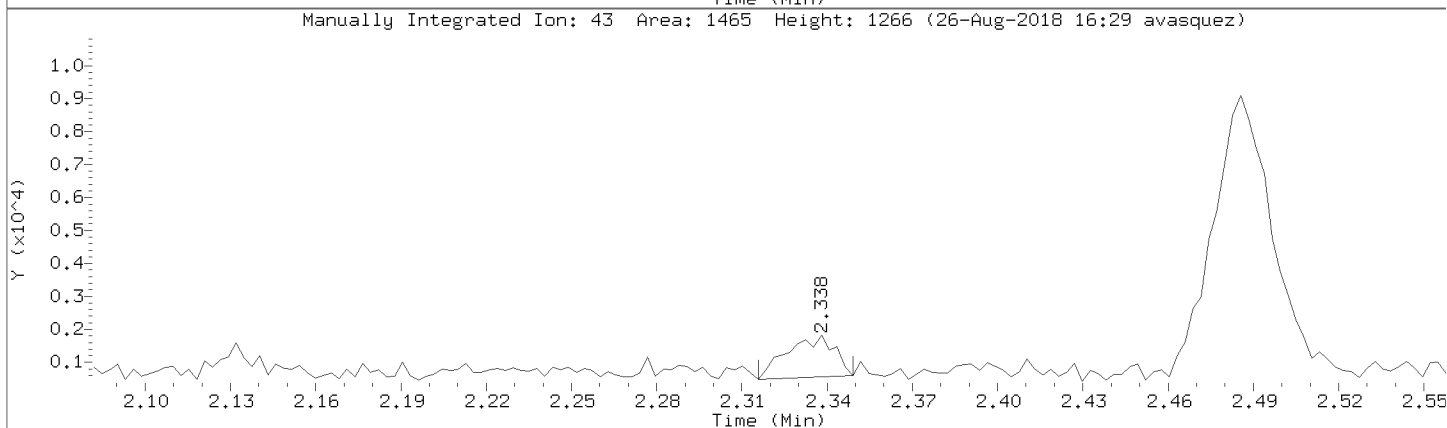
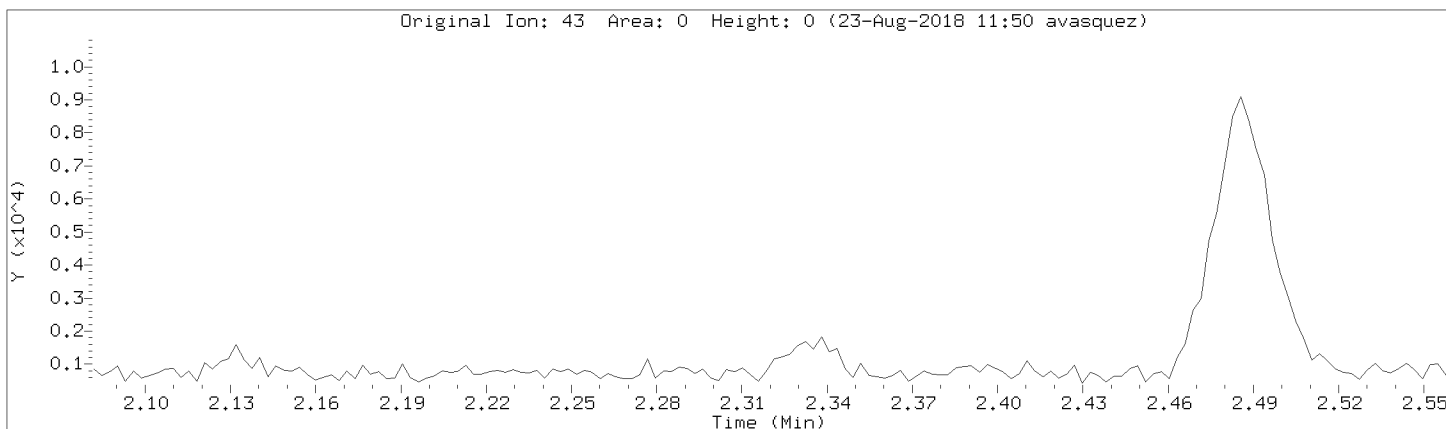


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

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



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

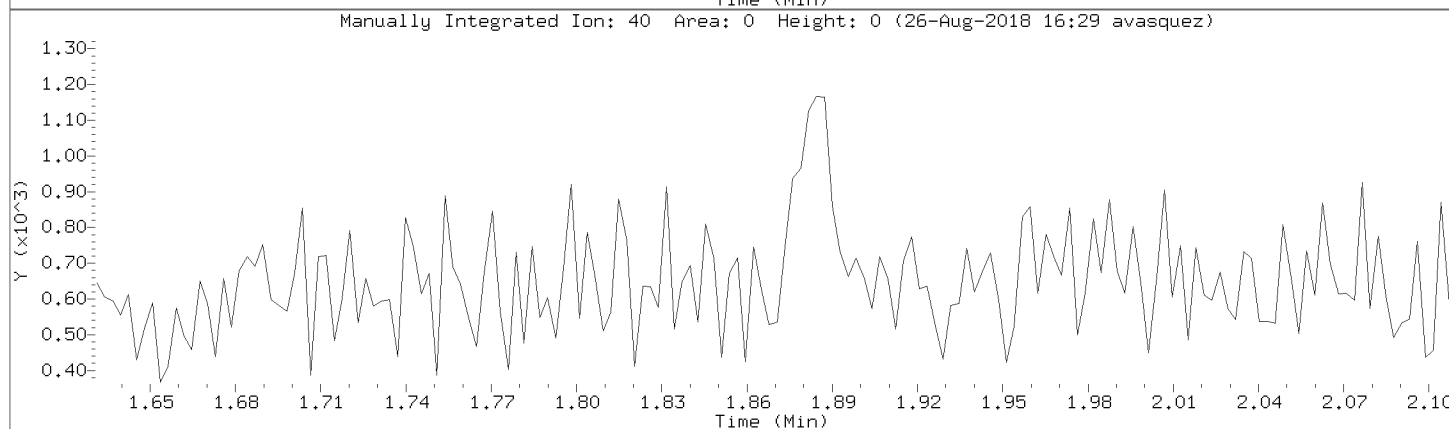
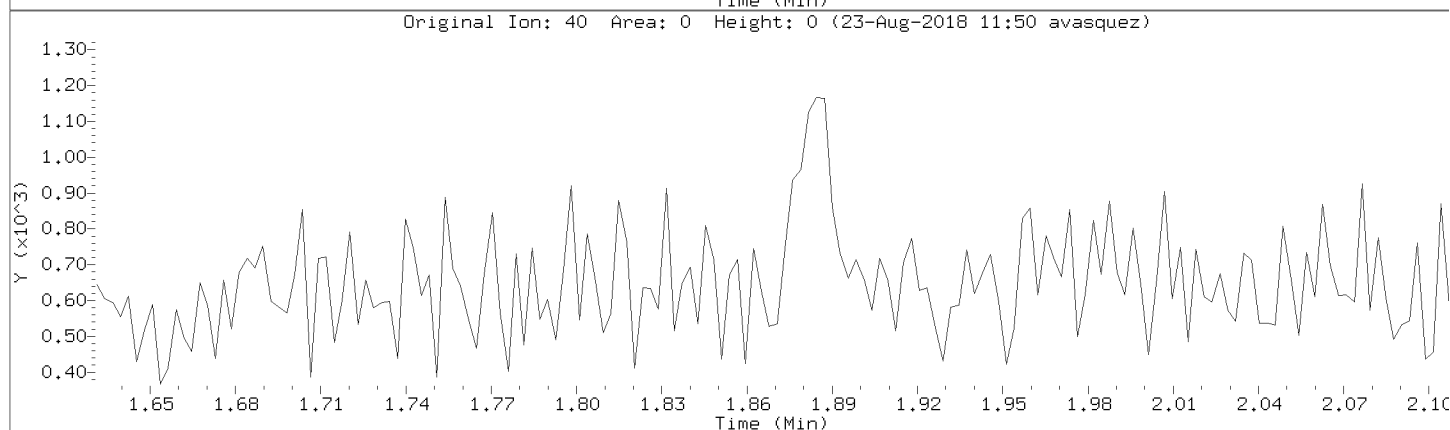
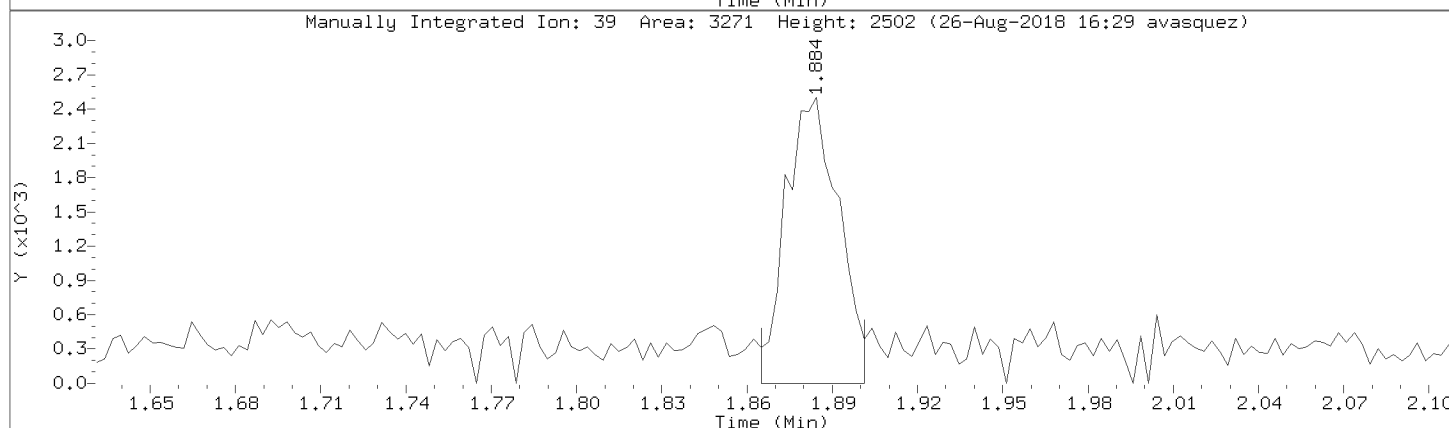
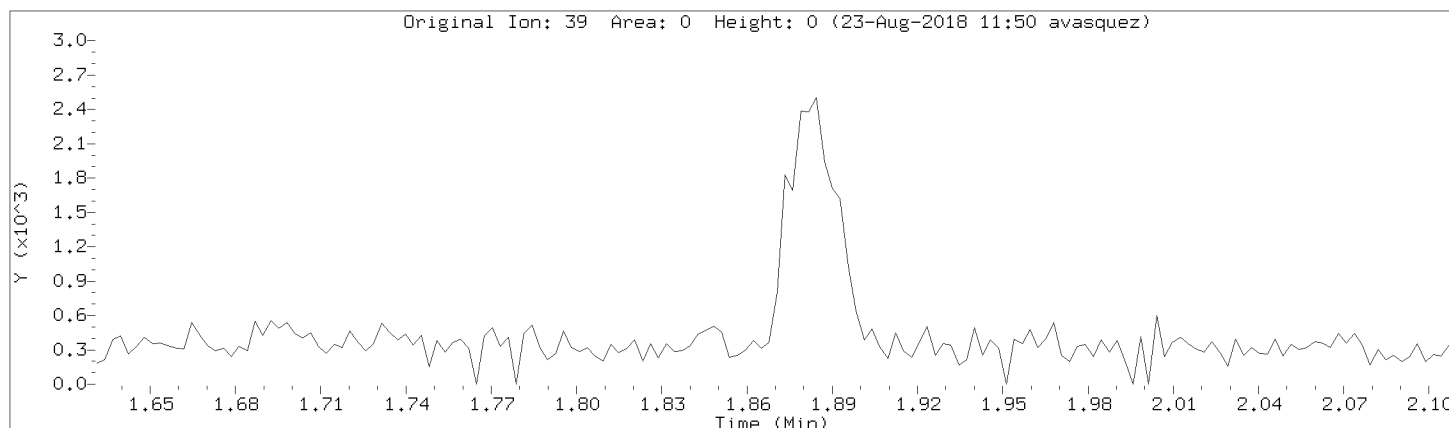
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

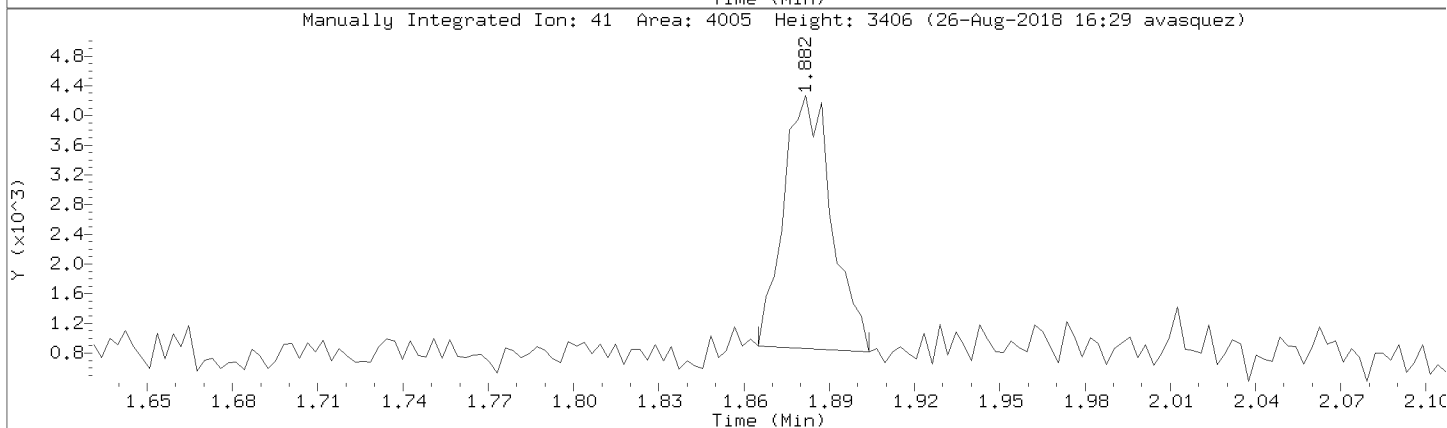
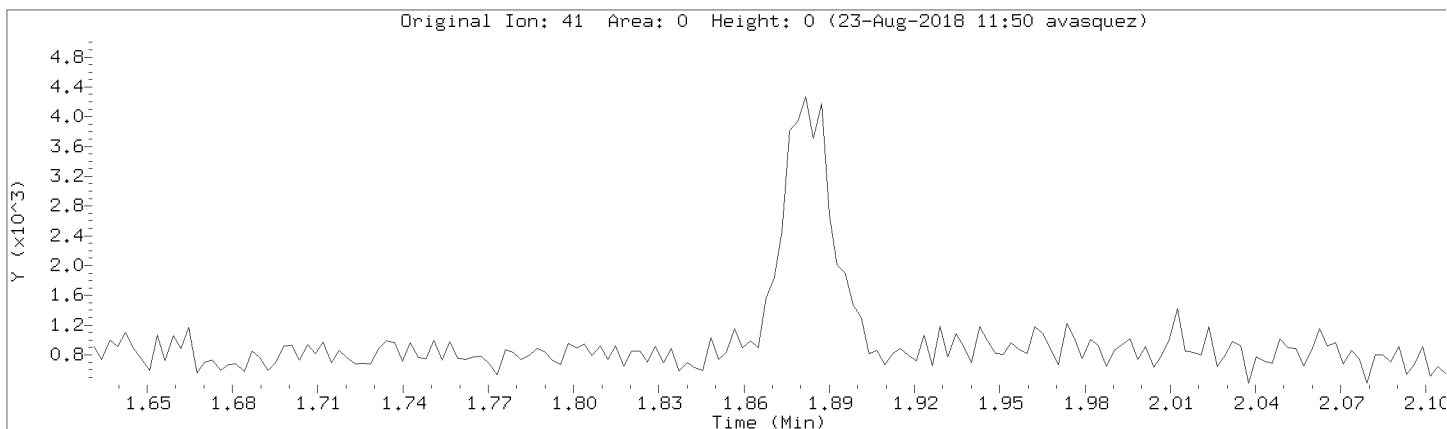
Compound: Acetonitrile

Review Code: NI

CAS Number: 75-05-8



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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Injection Date: 22-AUG-2018 14:19

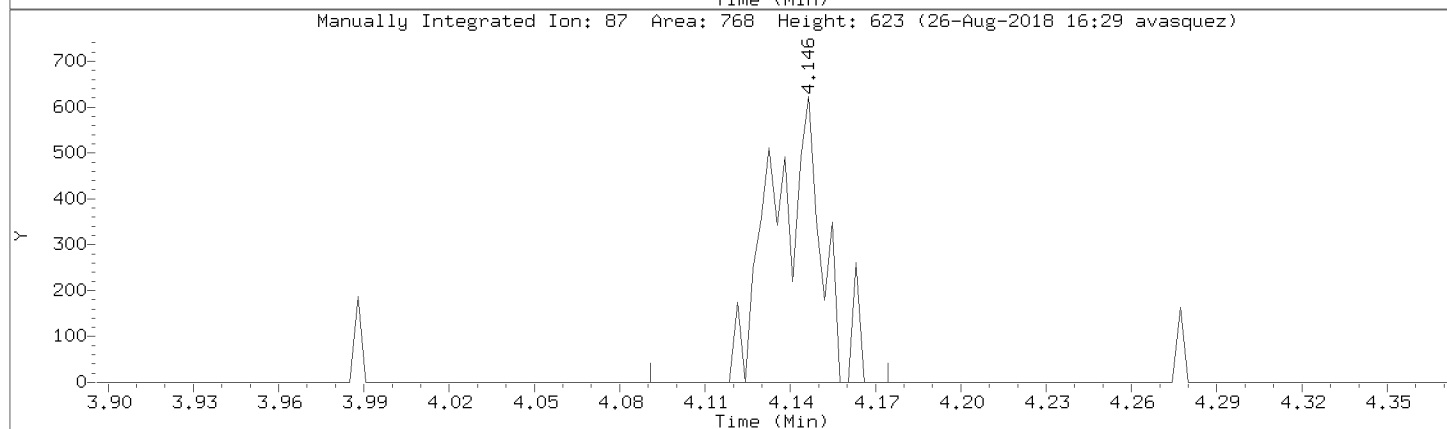
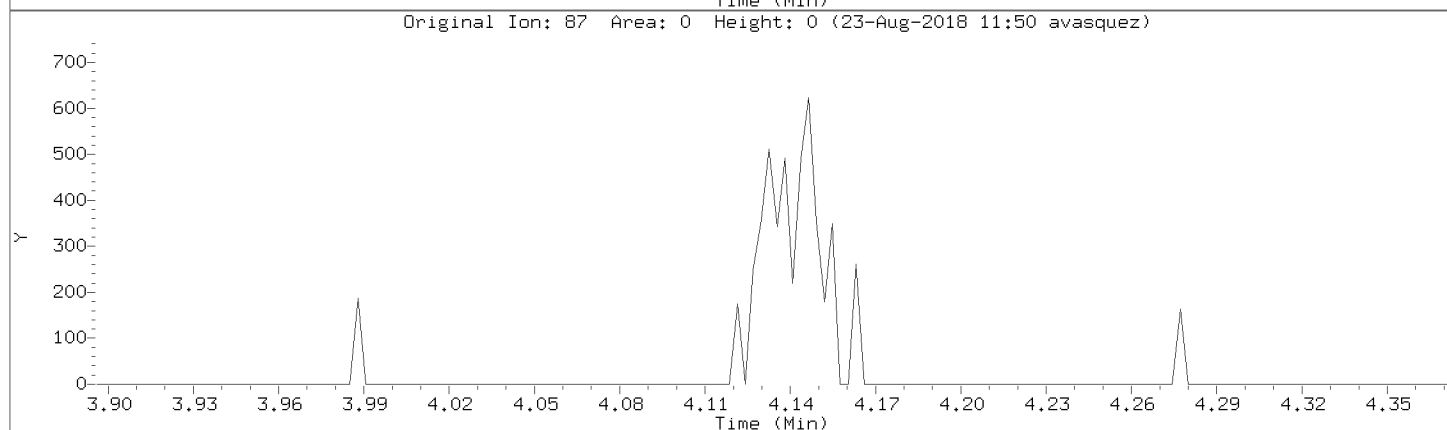
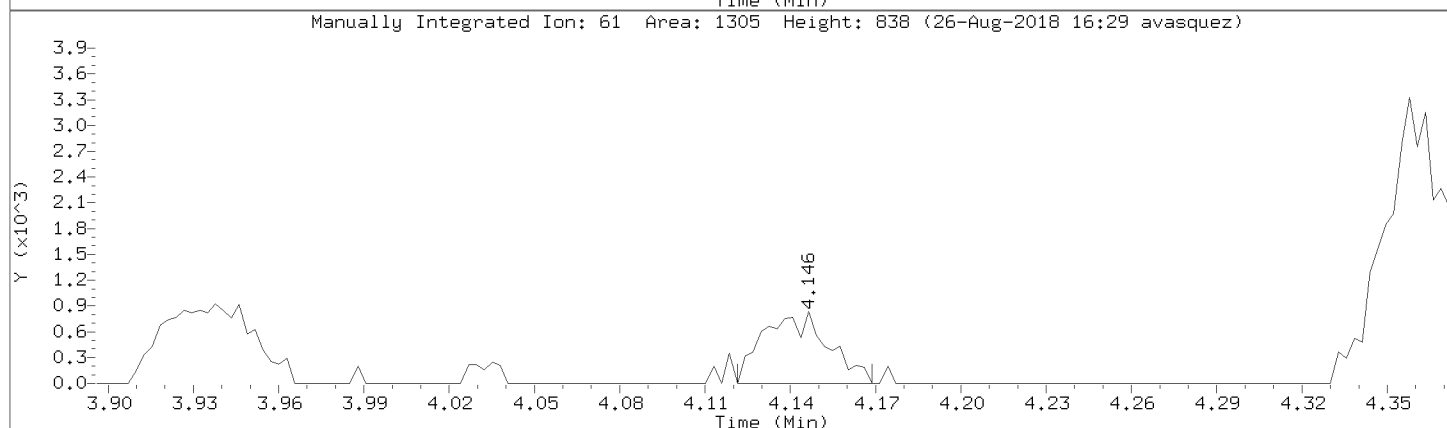
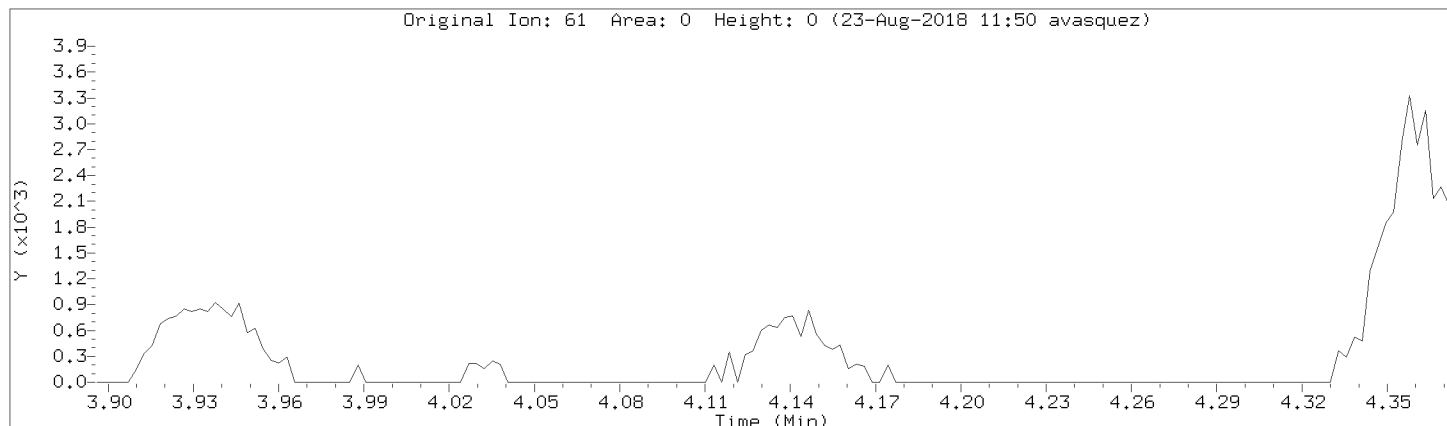
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

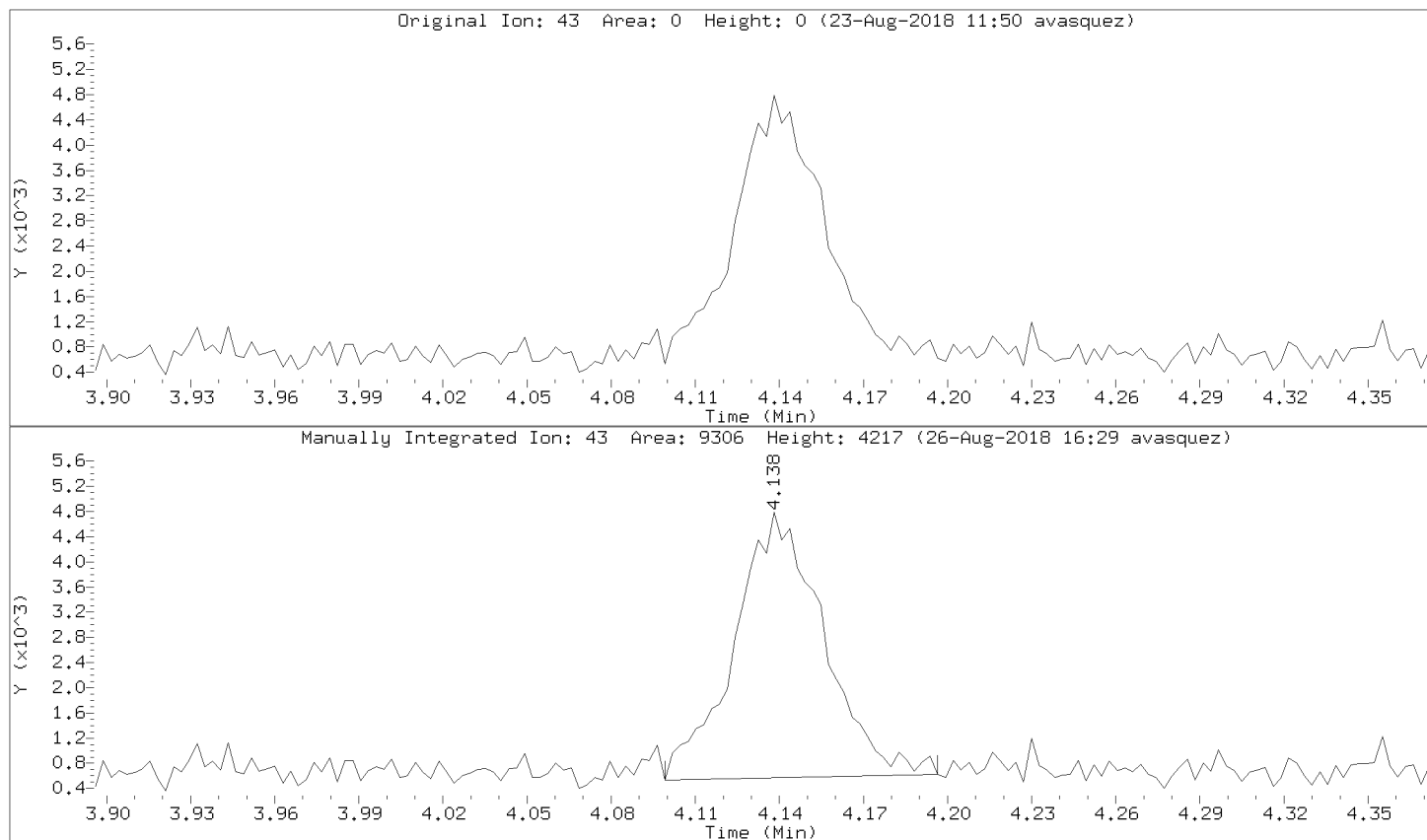
Compound: isopropyl acetate

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

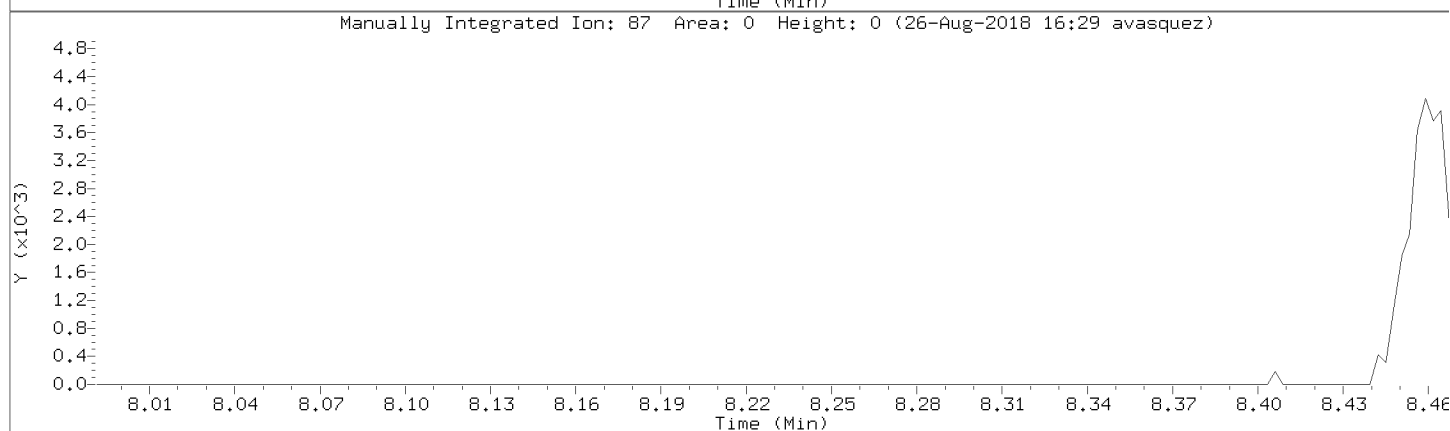
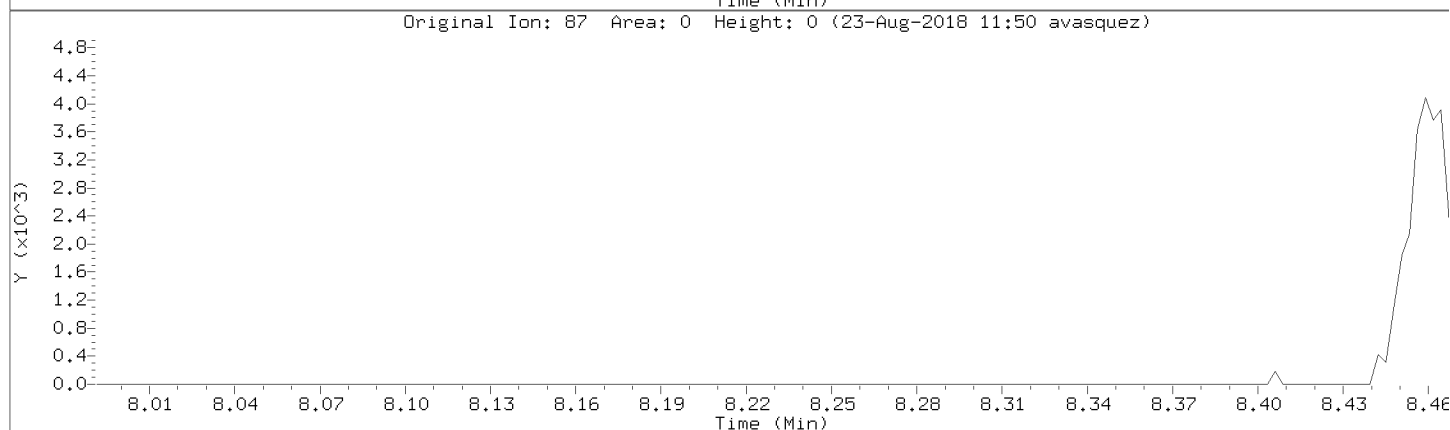
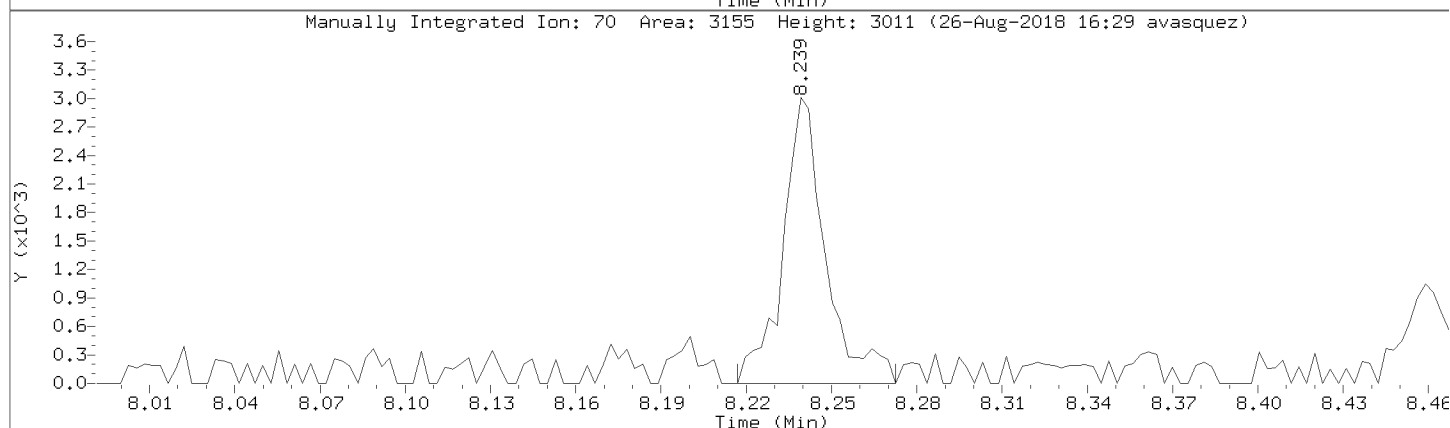
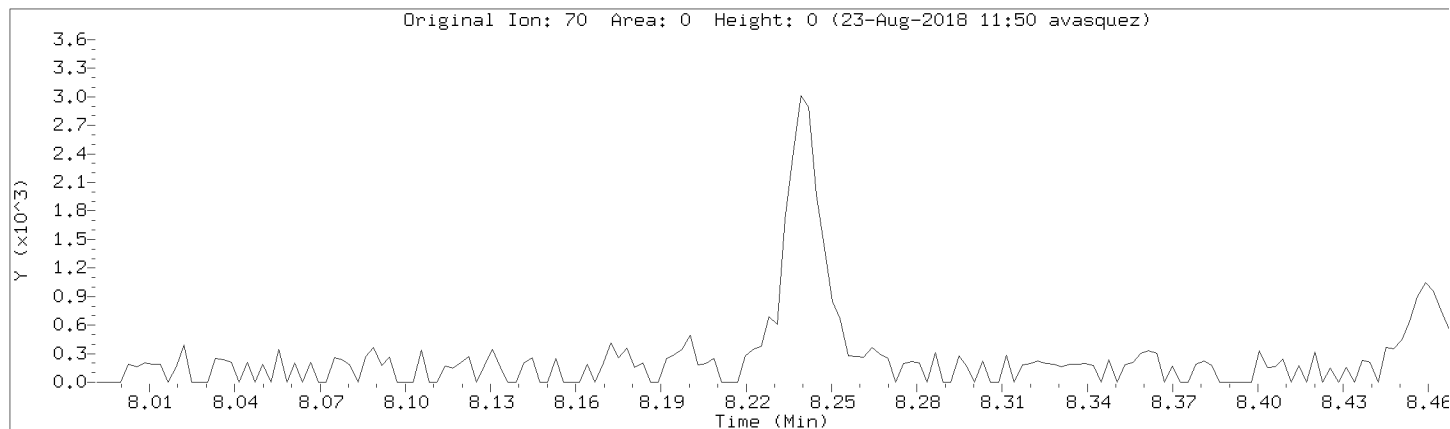
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: n-amyl acetate

Review Code: NI

CAS Number: 628-63-7

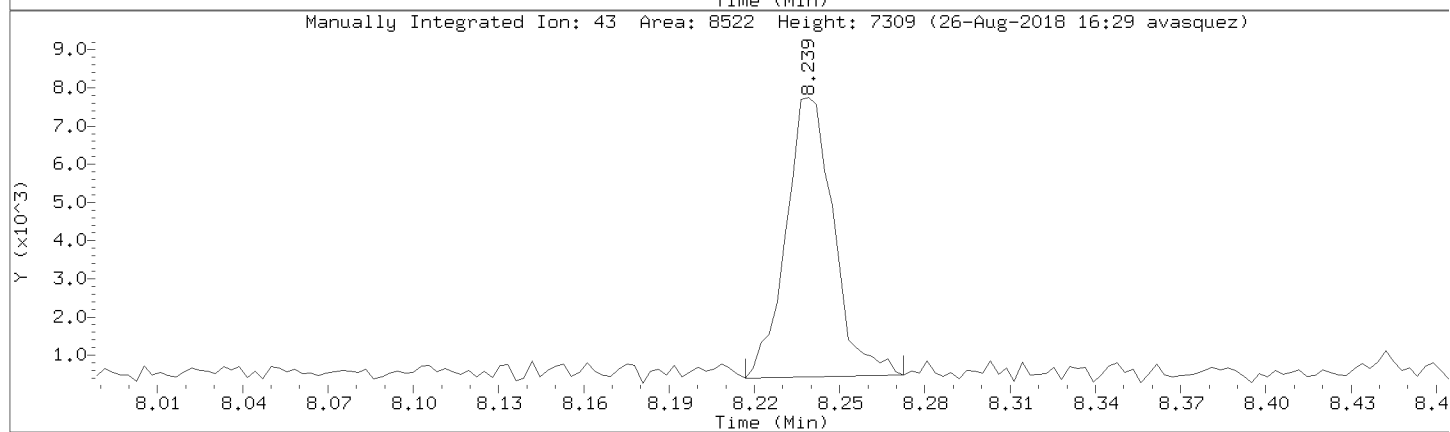
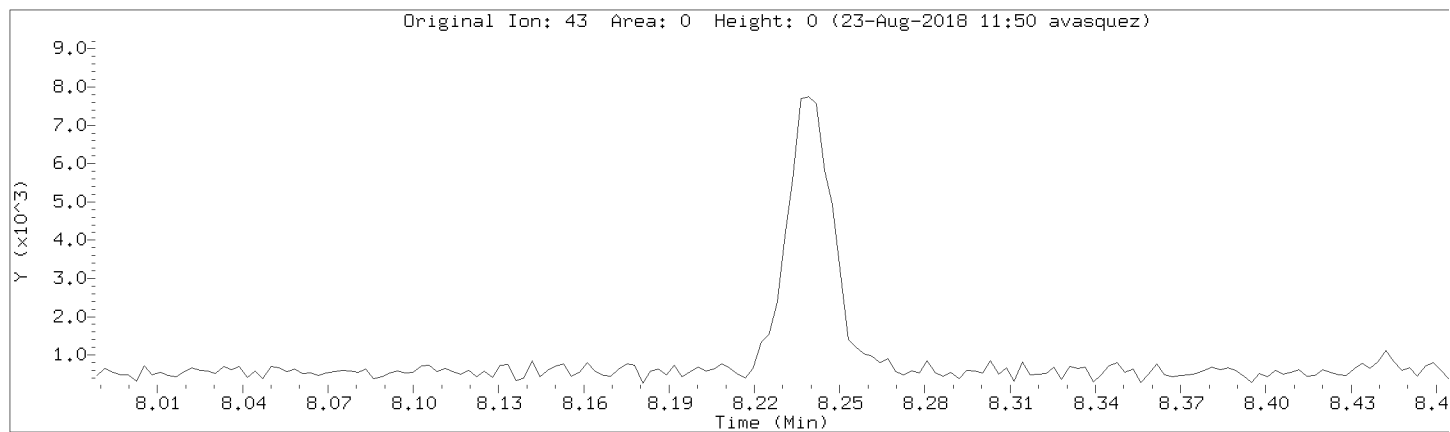


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Injection Date: 22-AUG-2018 14:19

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1



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Injection Date: 22-AUG-2018 14:19

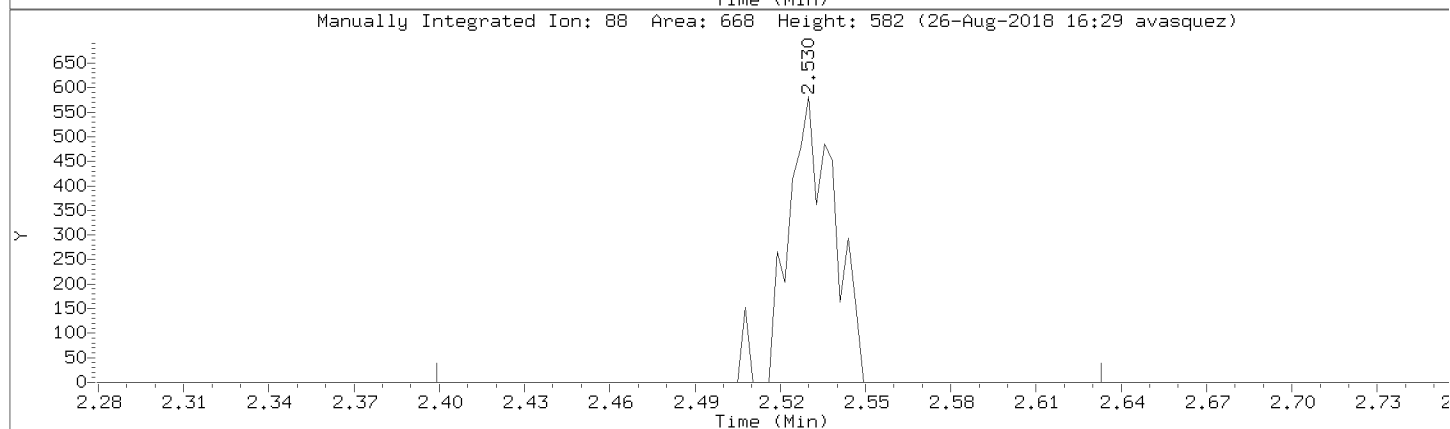
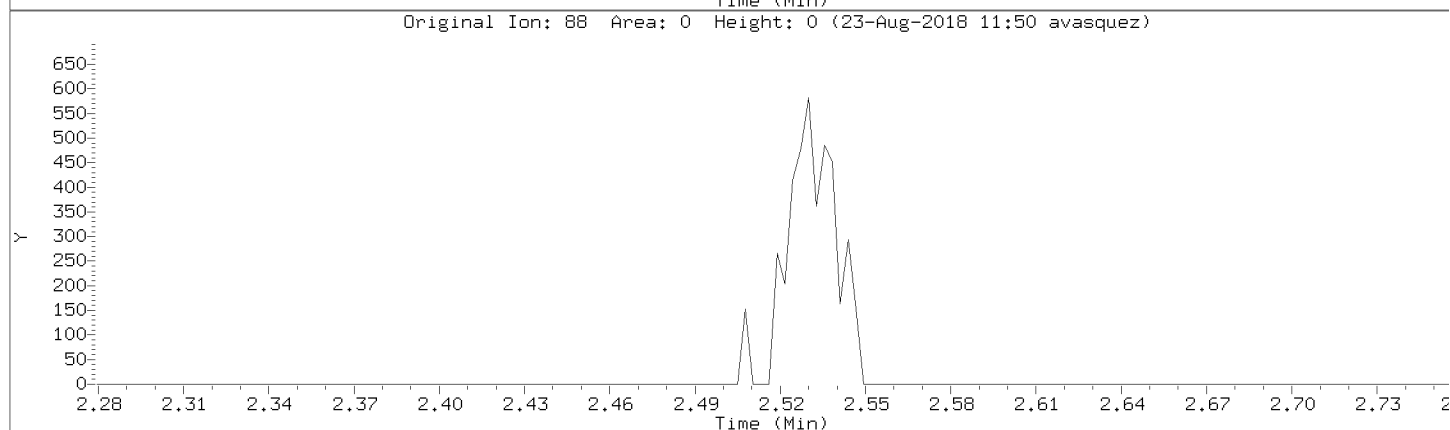
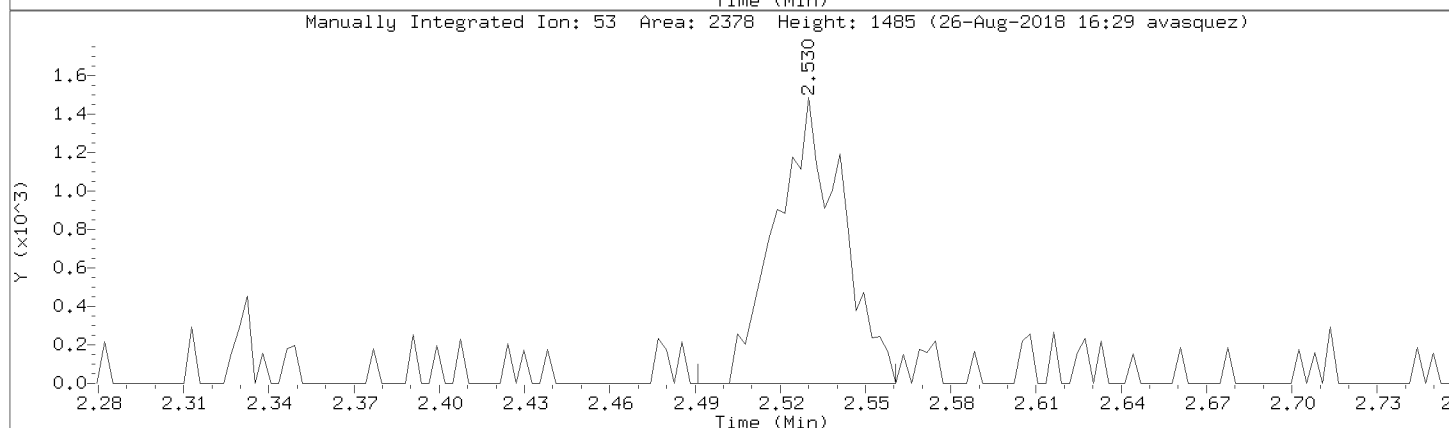
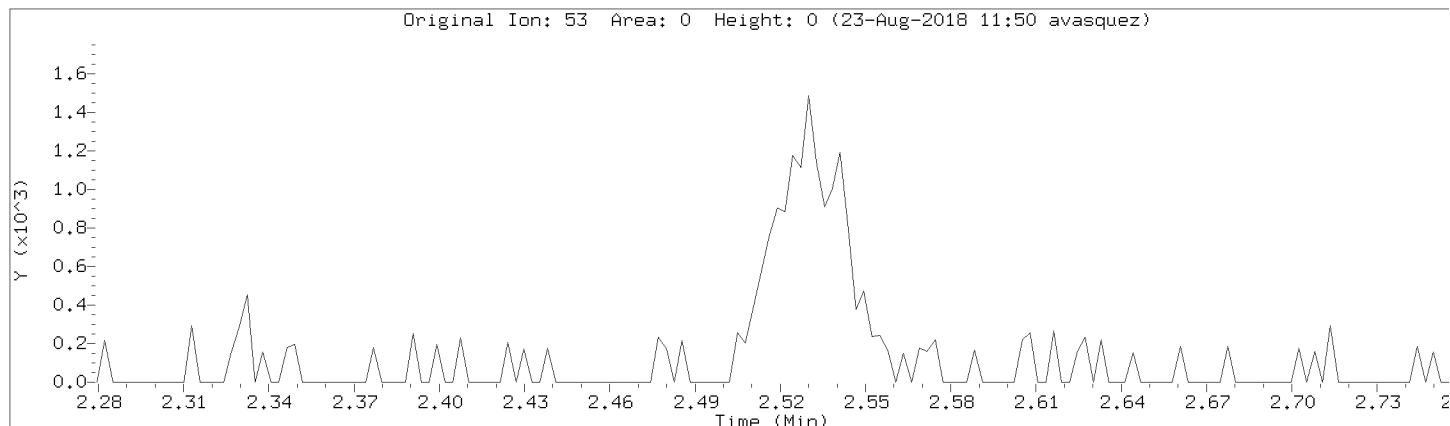
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

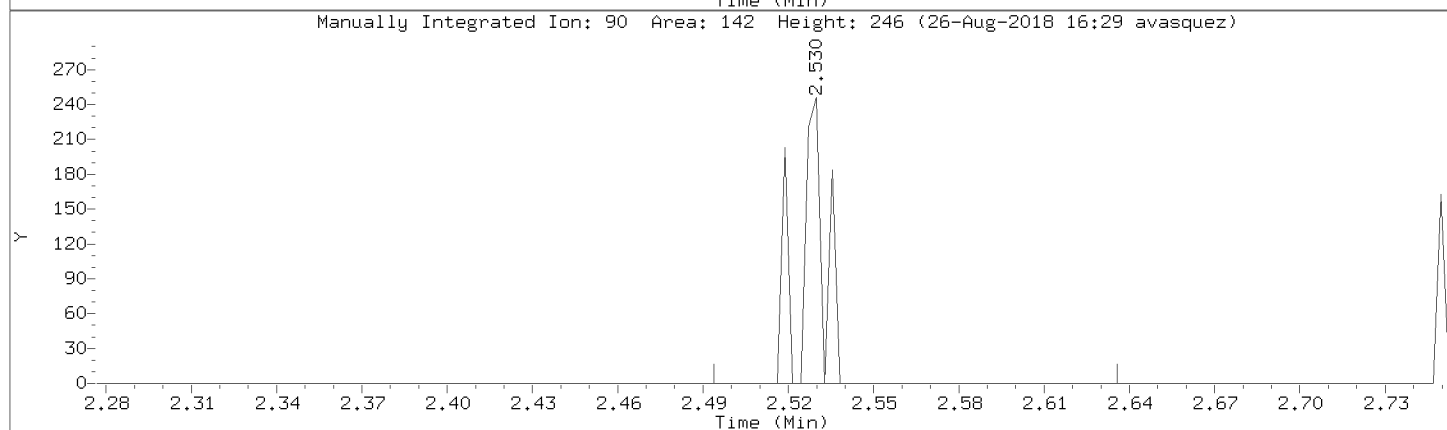
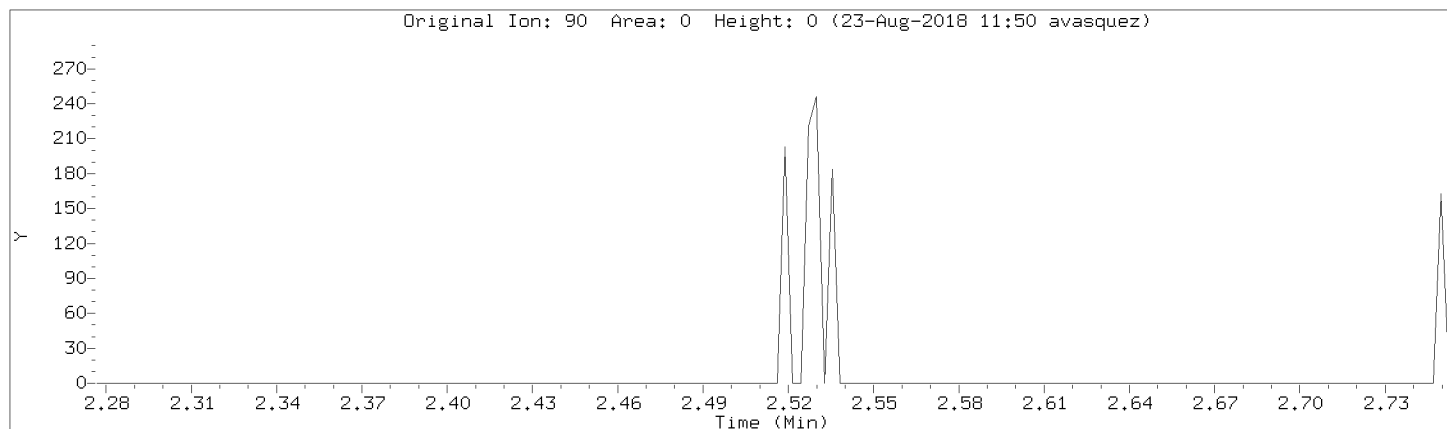
Compound: Chloroprene

Review Code: NI

CAS Number: 126-99-8

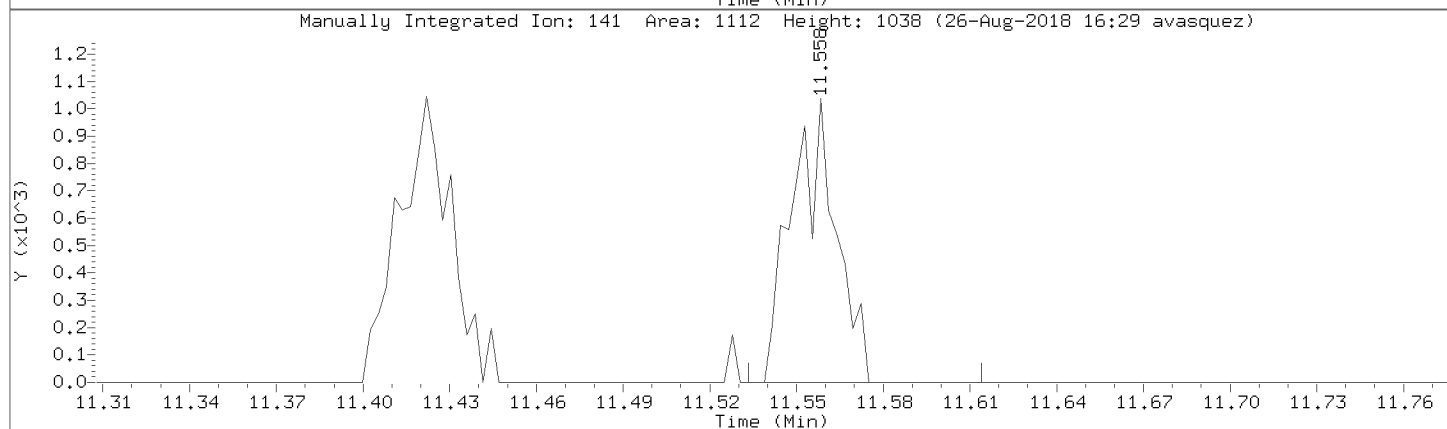
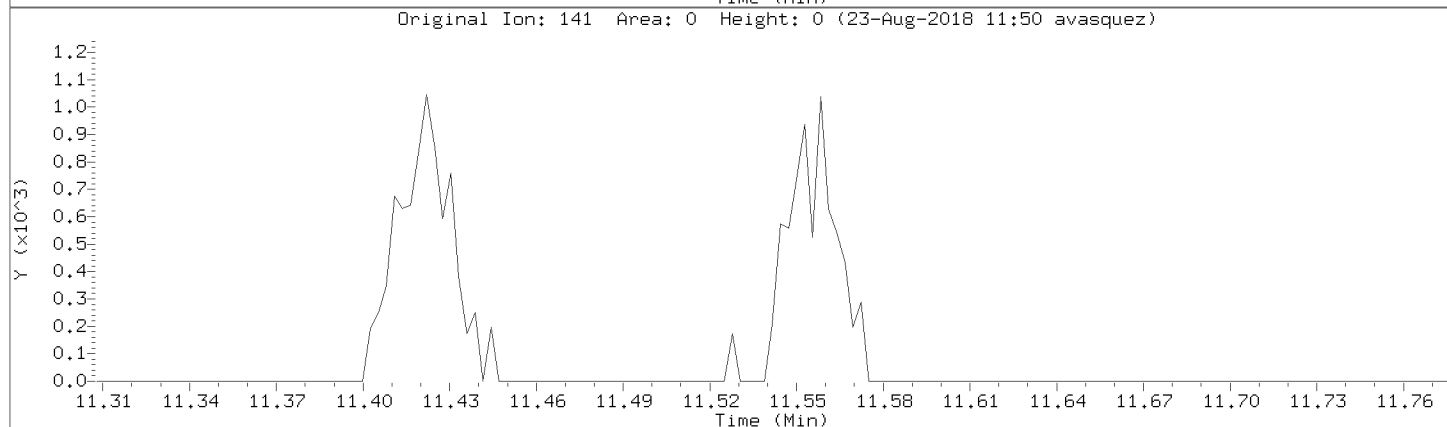
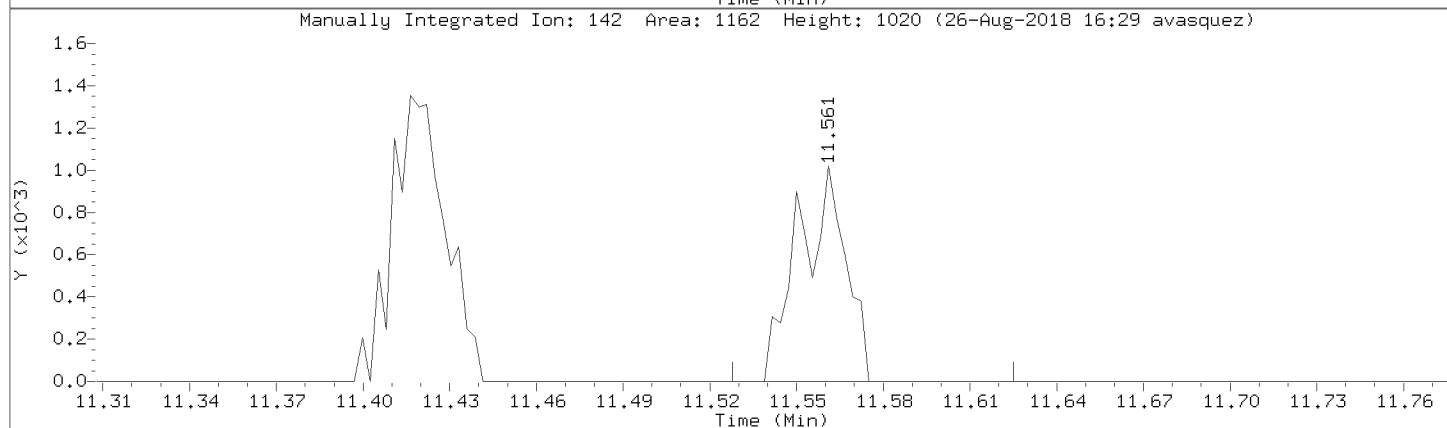
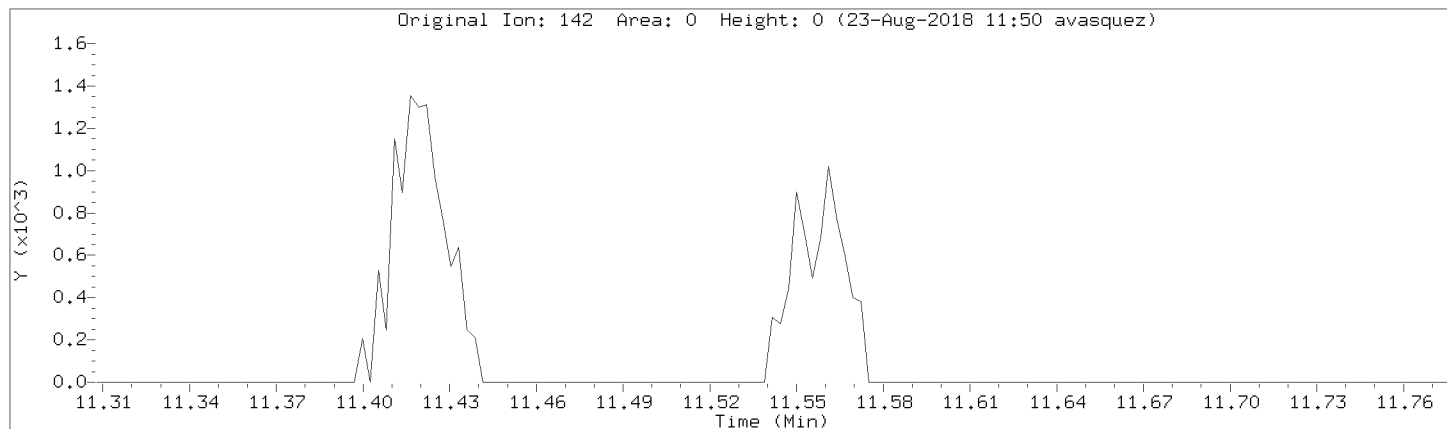


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

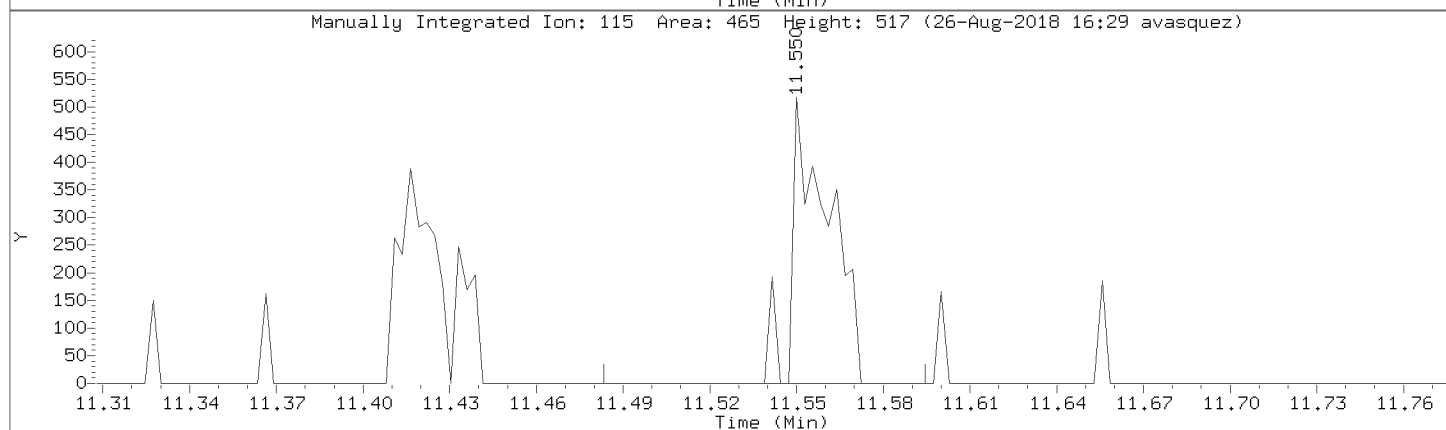
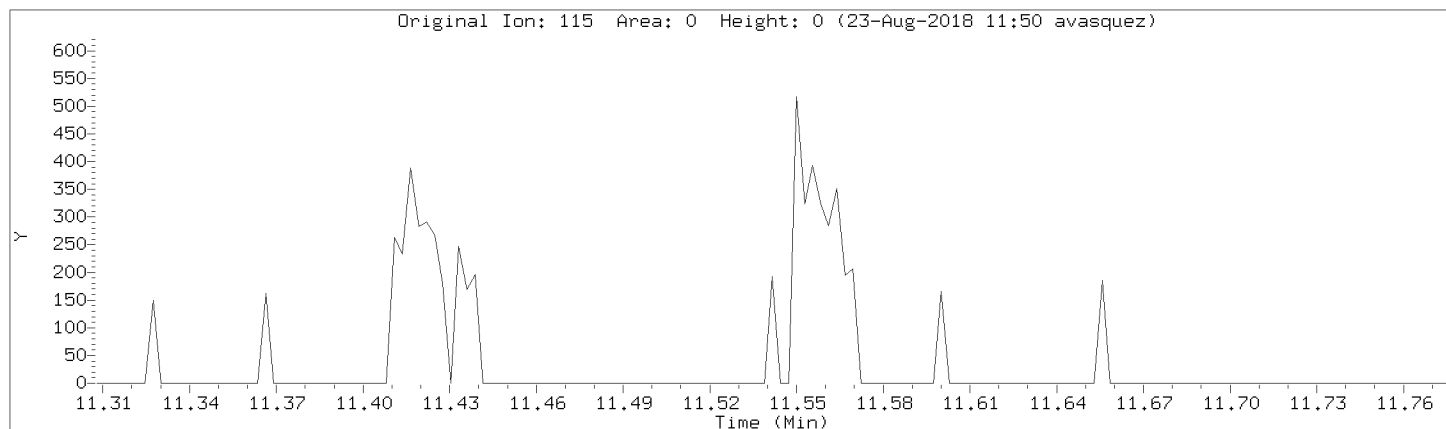


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Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1

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

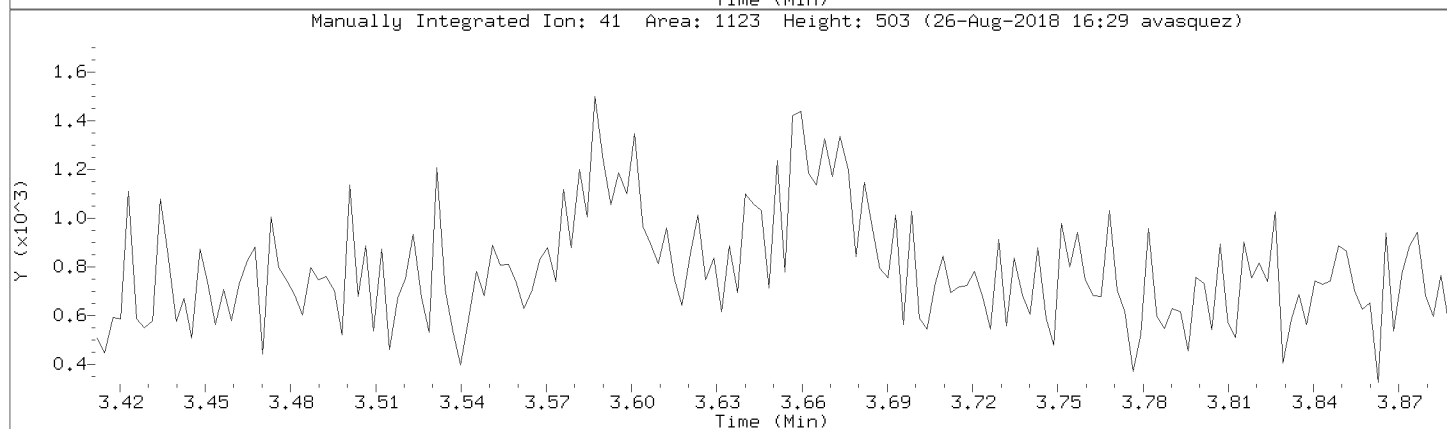
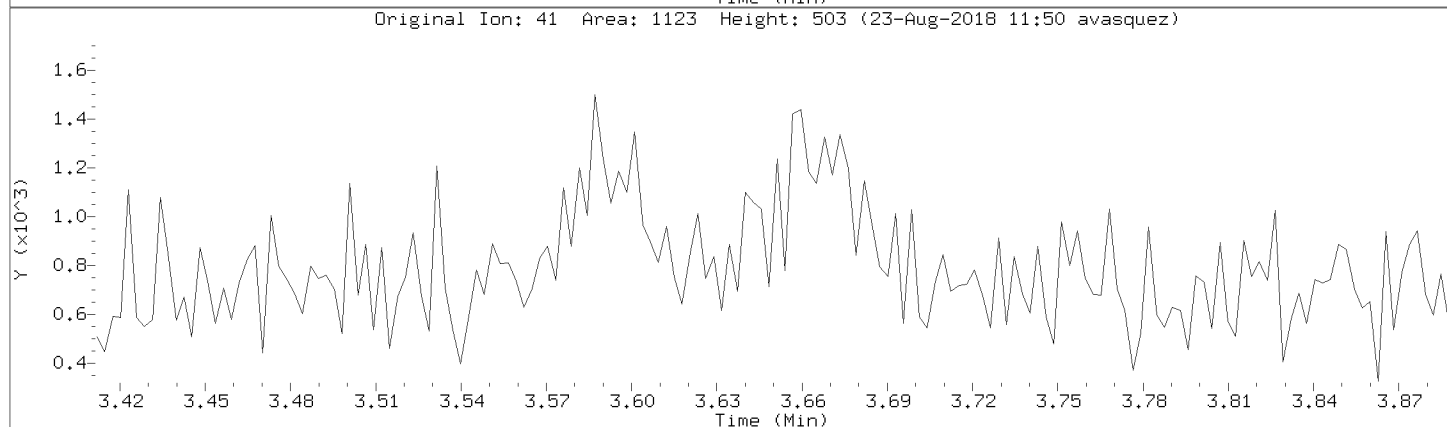
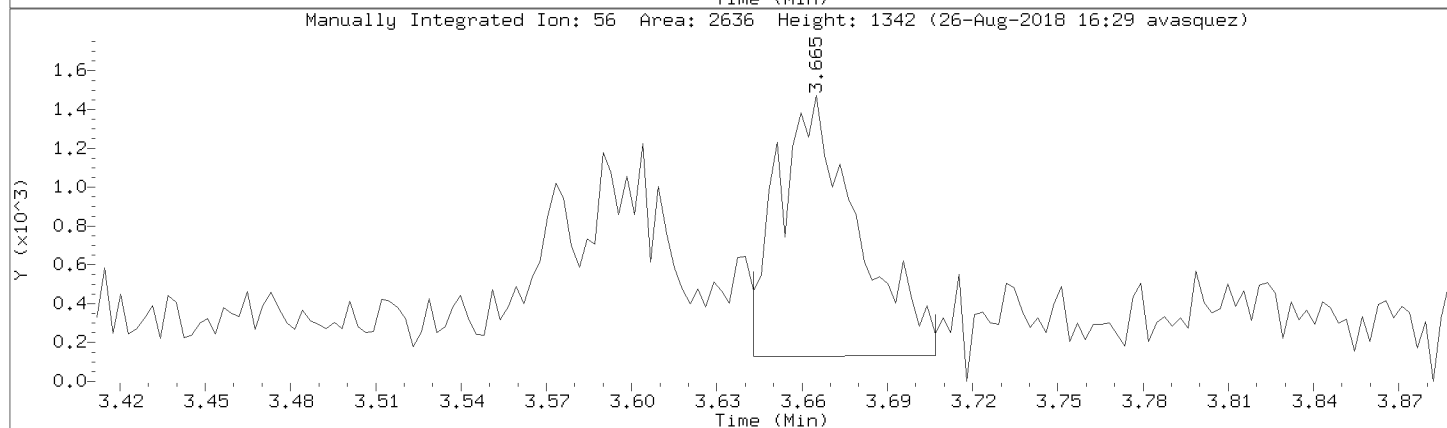
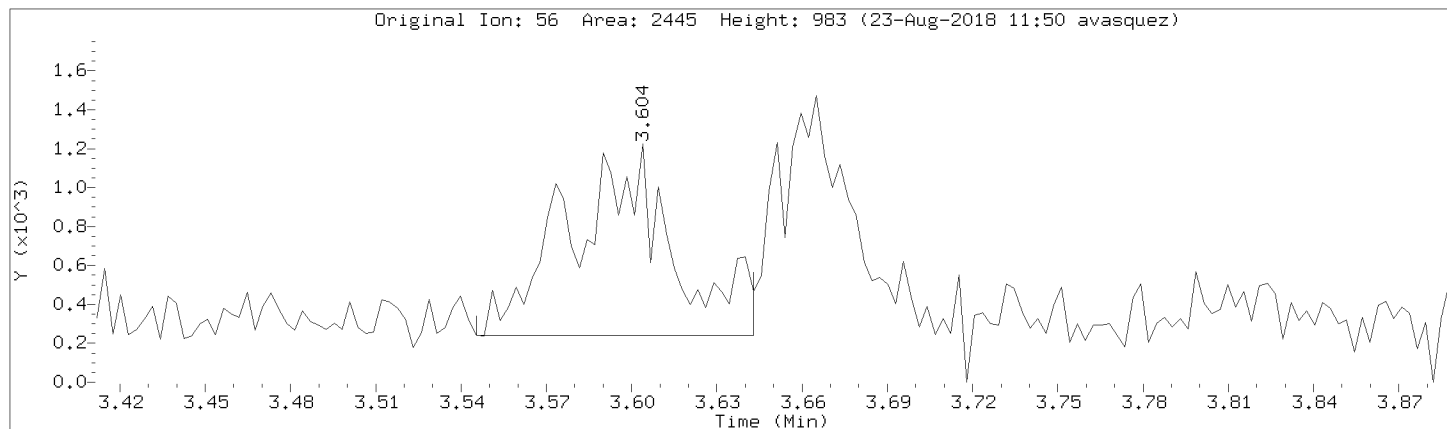


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d
Injection Date: 22-AUG-2018 14:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1



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-butyl chloride Review Code: WP
CAS Number: 109-69-3



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

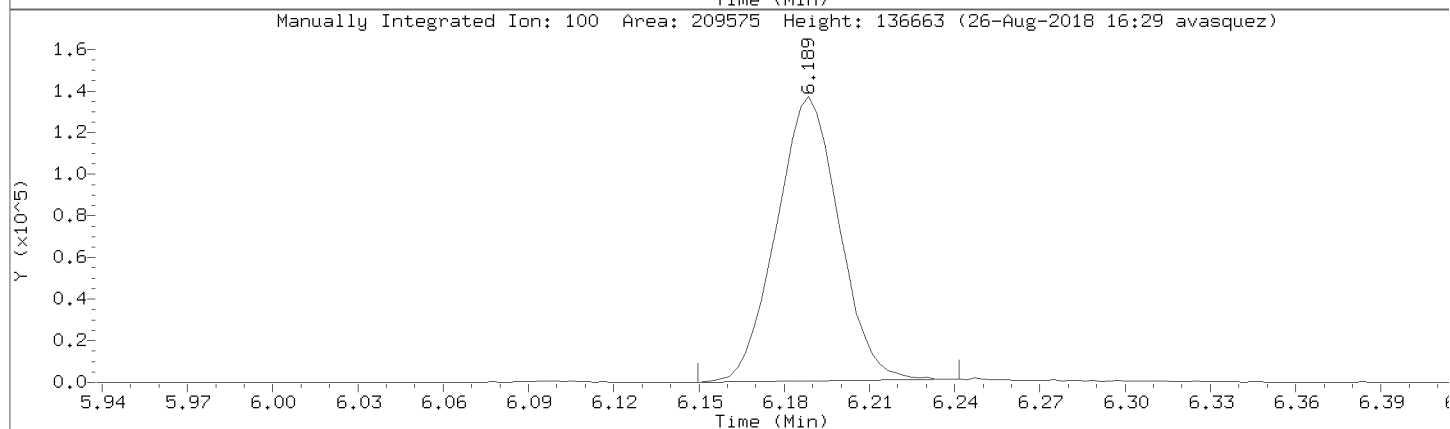
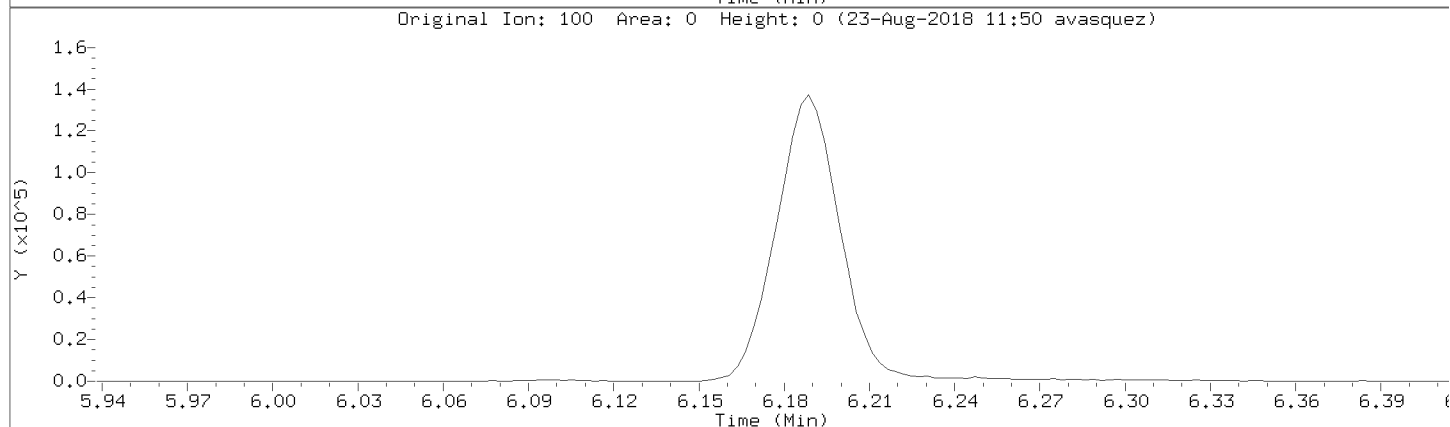
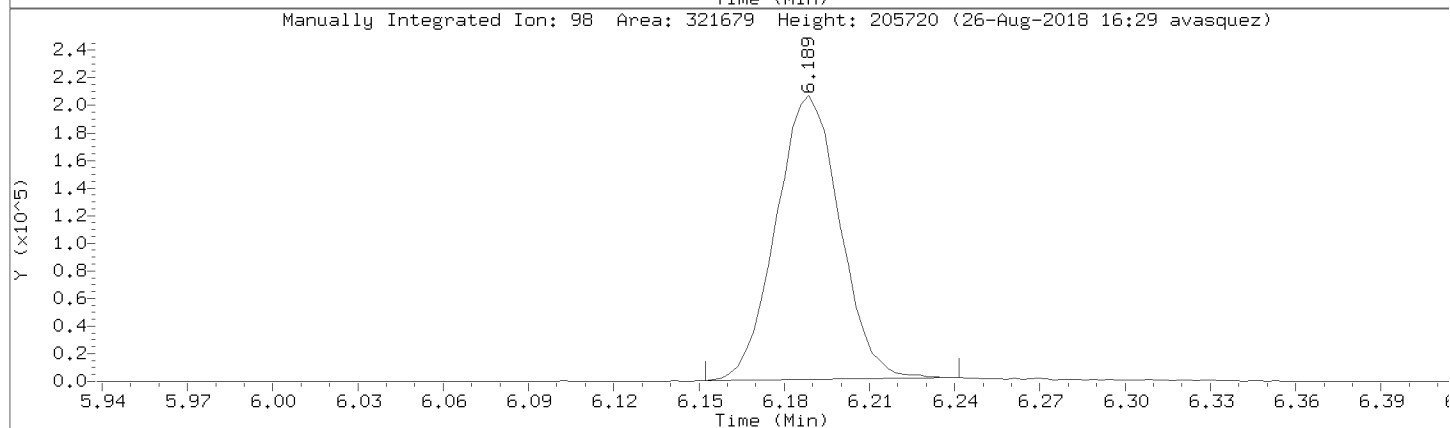
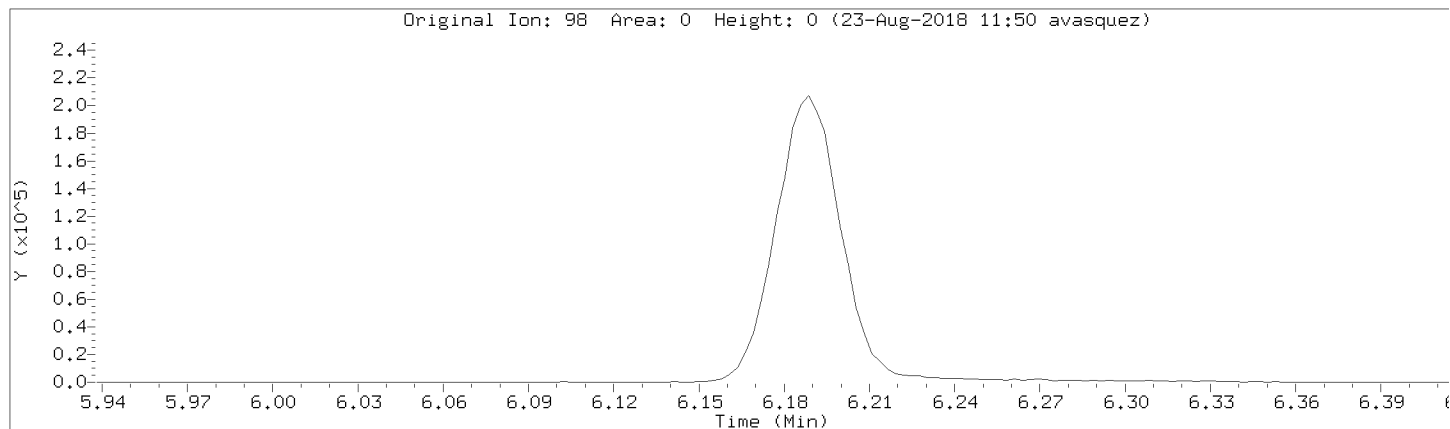
Injection Date: 22-AUG-2018 14:19

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL1

Compound: Toluene-d8 Review Code: NI

CAS Number: 2037-26-5

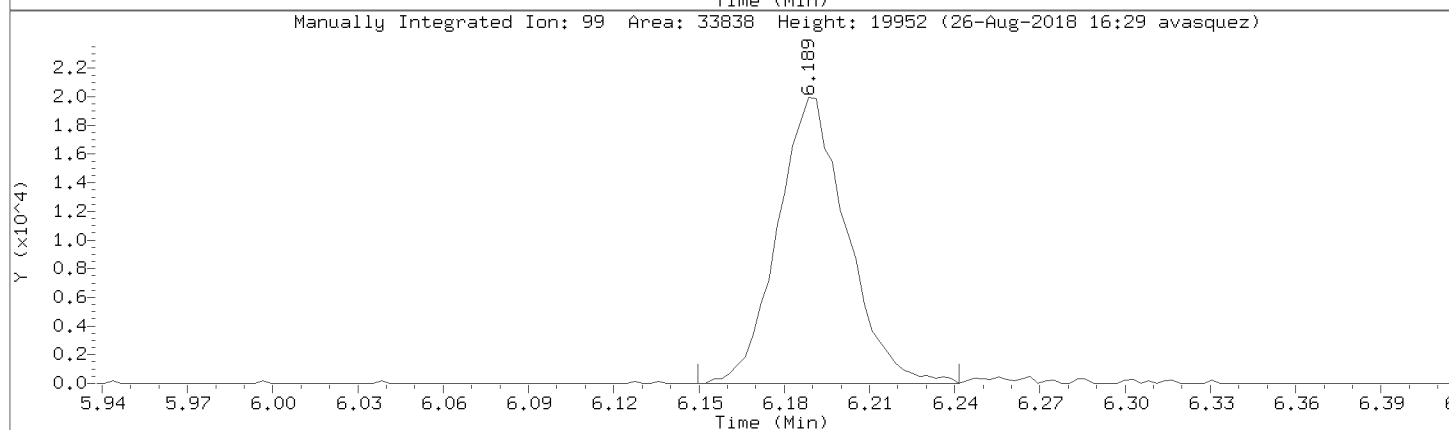
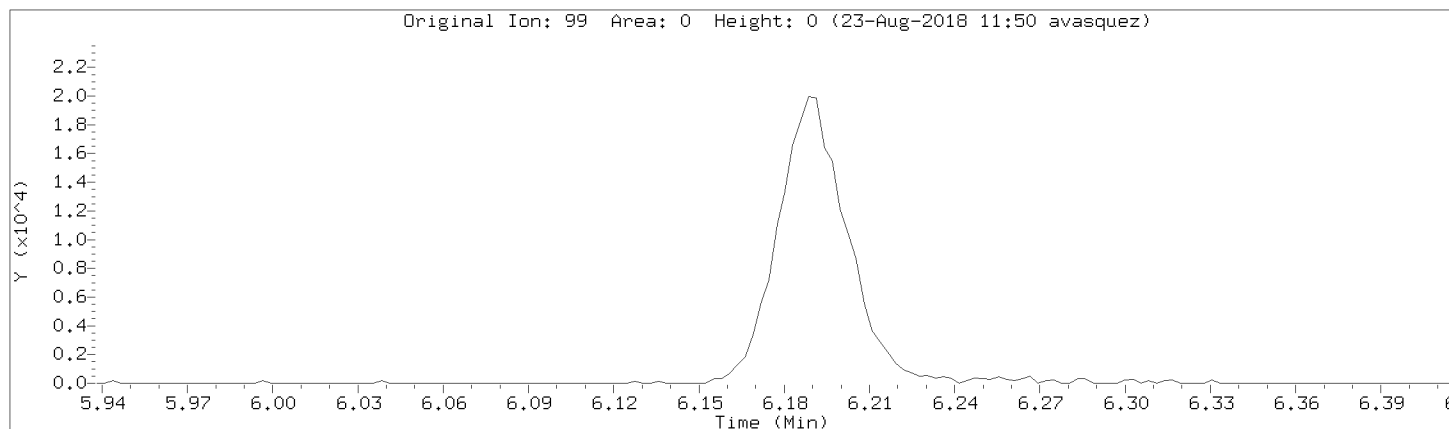


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a02cal.d

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

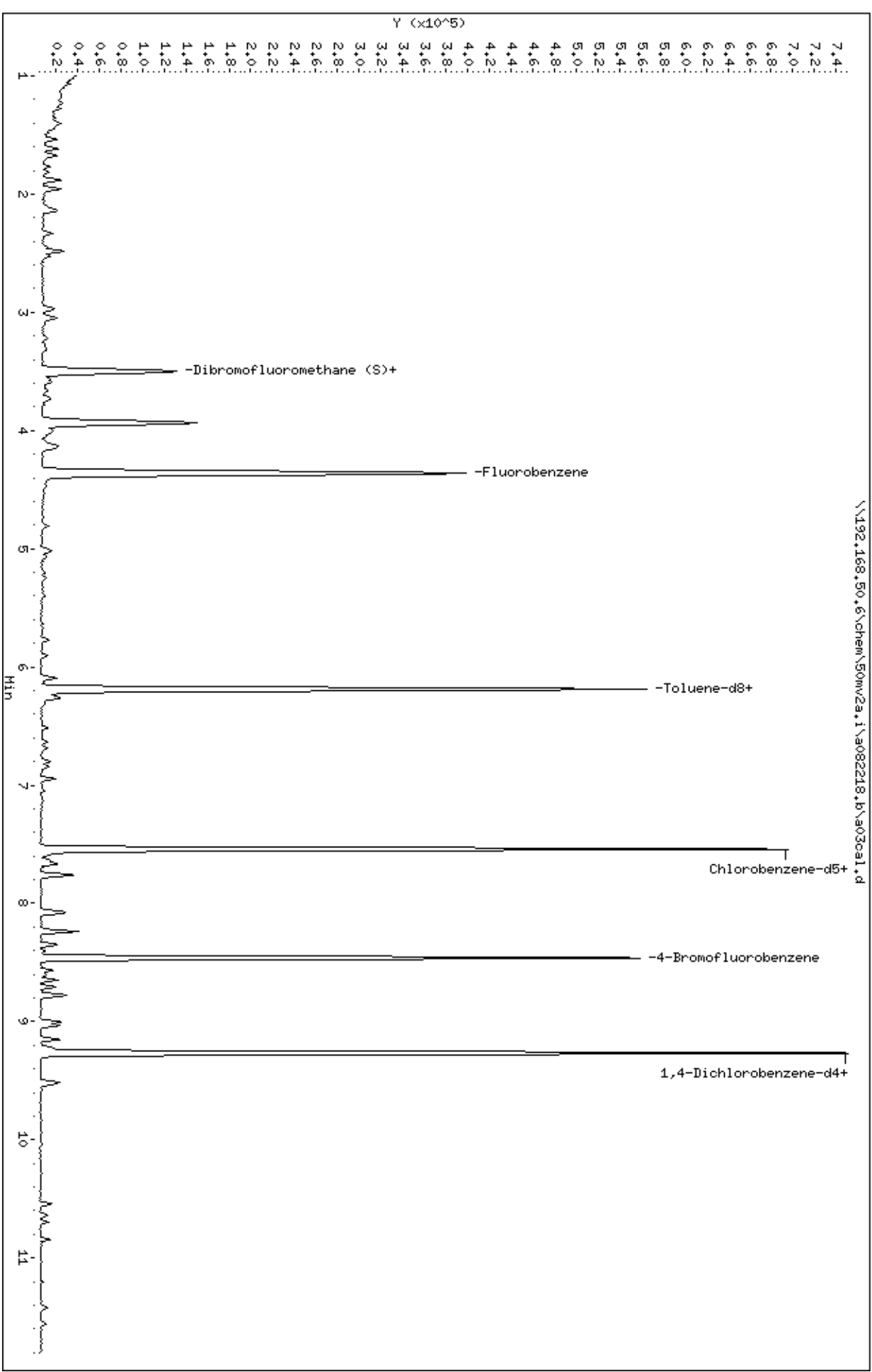
- T - Target compound detected outside RT window.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

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).

Data File: \\192.168.50.6\chem\50mw2a.1\A082218.b\A030a1.d
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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: amw
Column diameter: 0.18



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

Injection Date: 22-AUG-2018 14:52

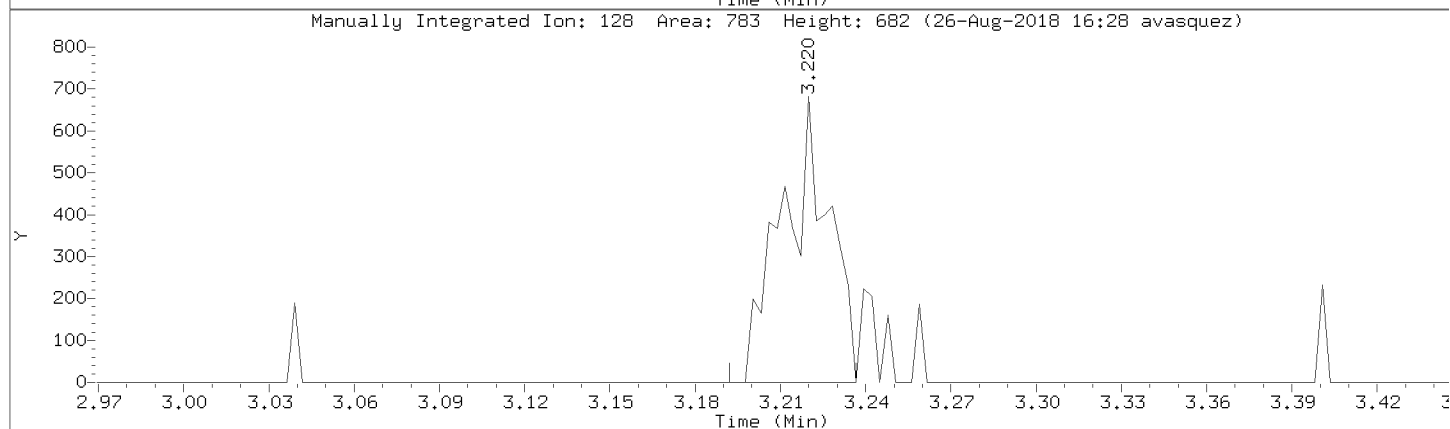
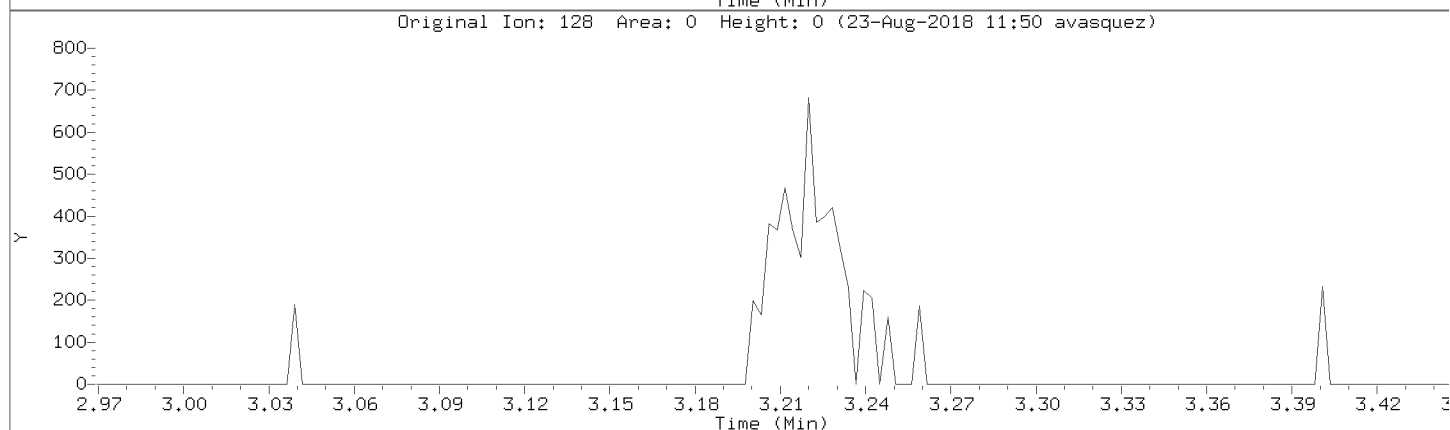
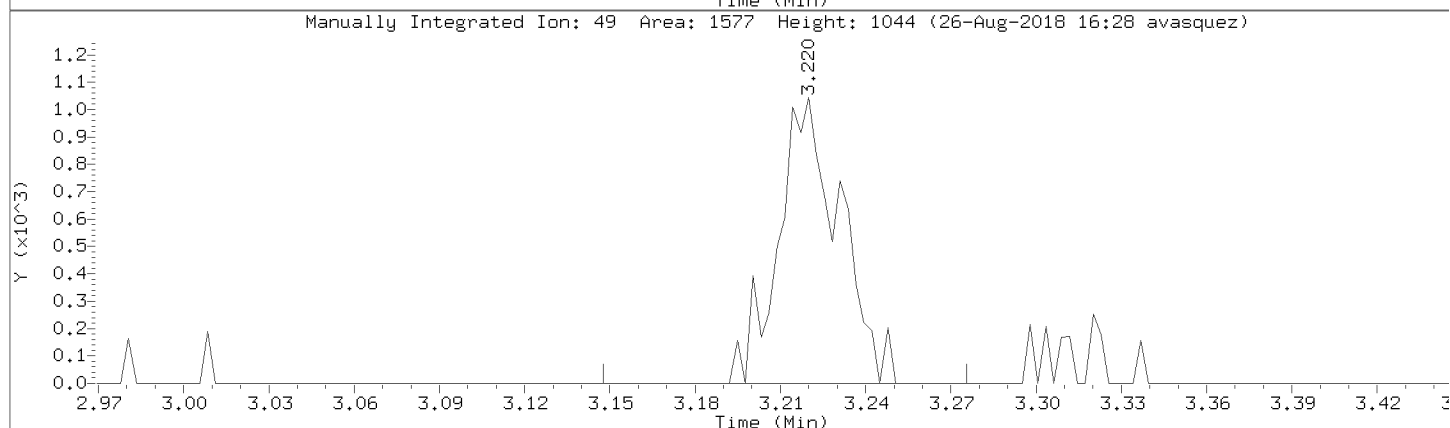
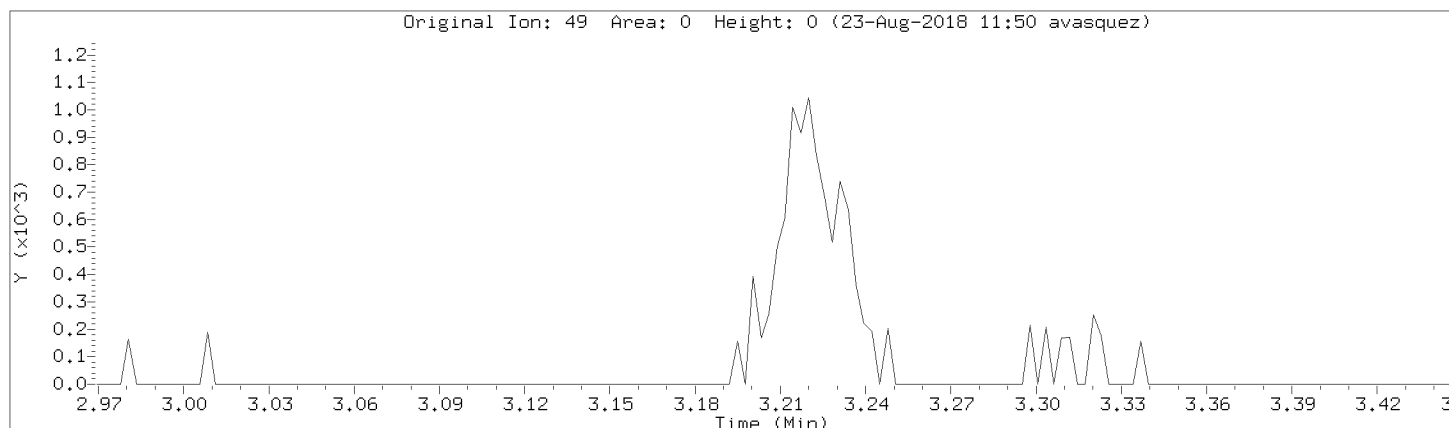
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

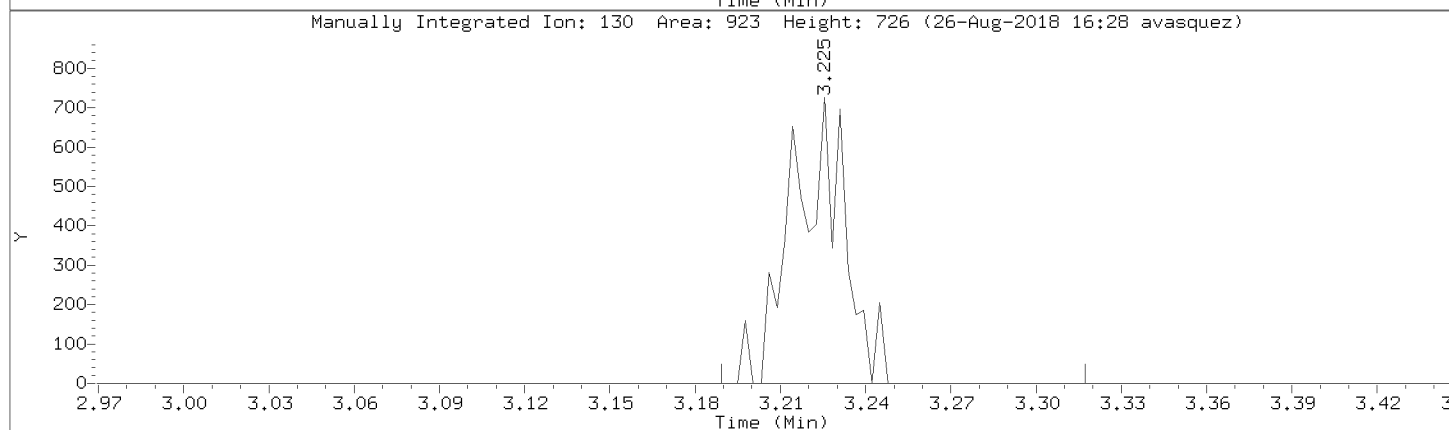
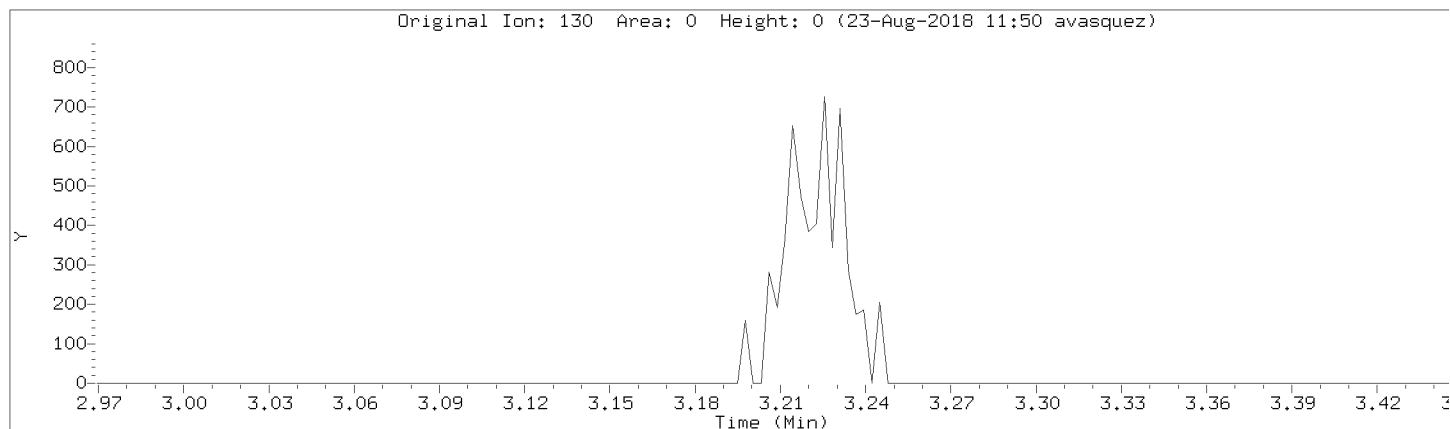
Compound: Bromochloromethane

Review Code: NI

CAS Number: 74-97-5



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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

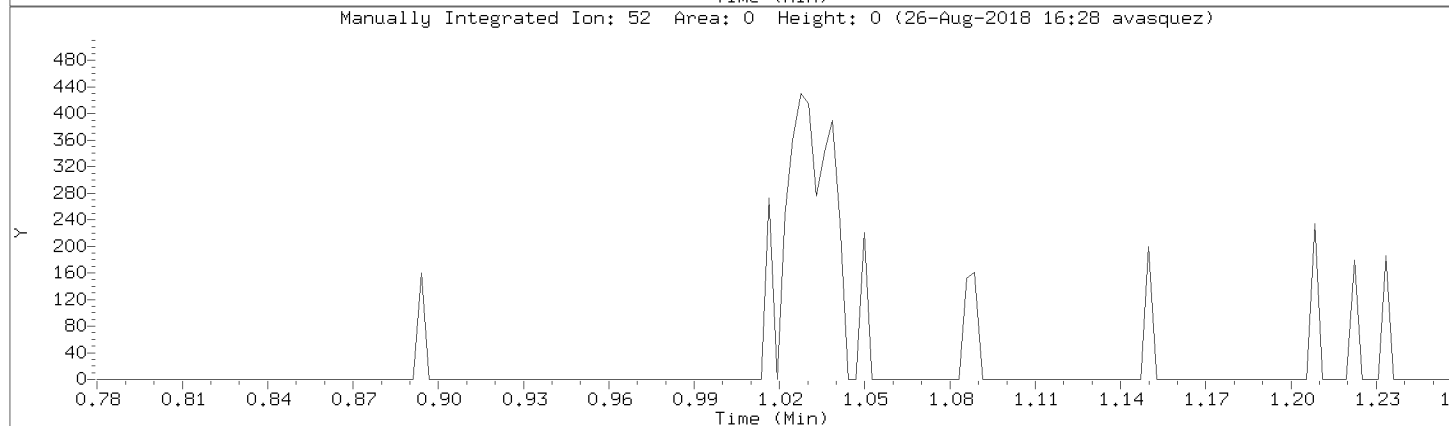
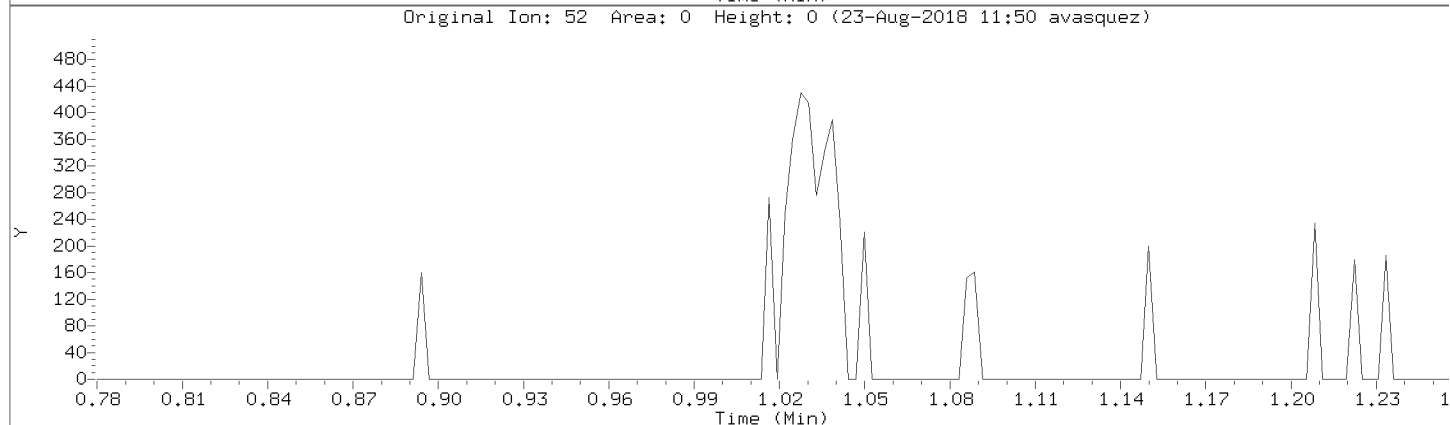
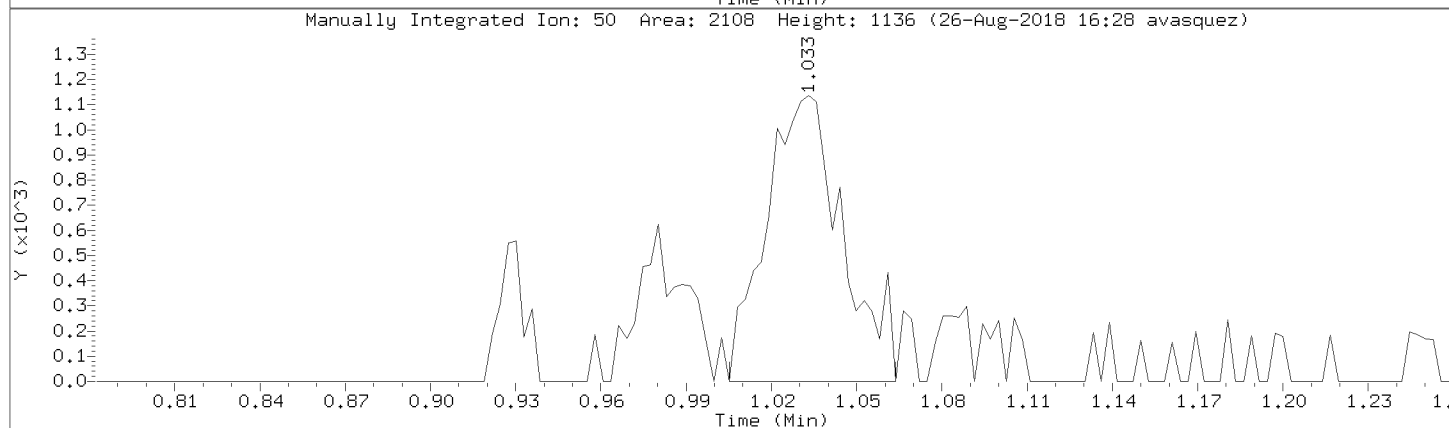
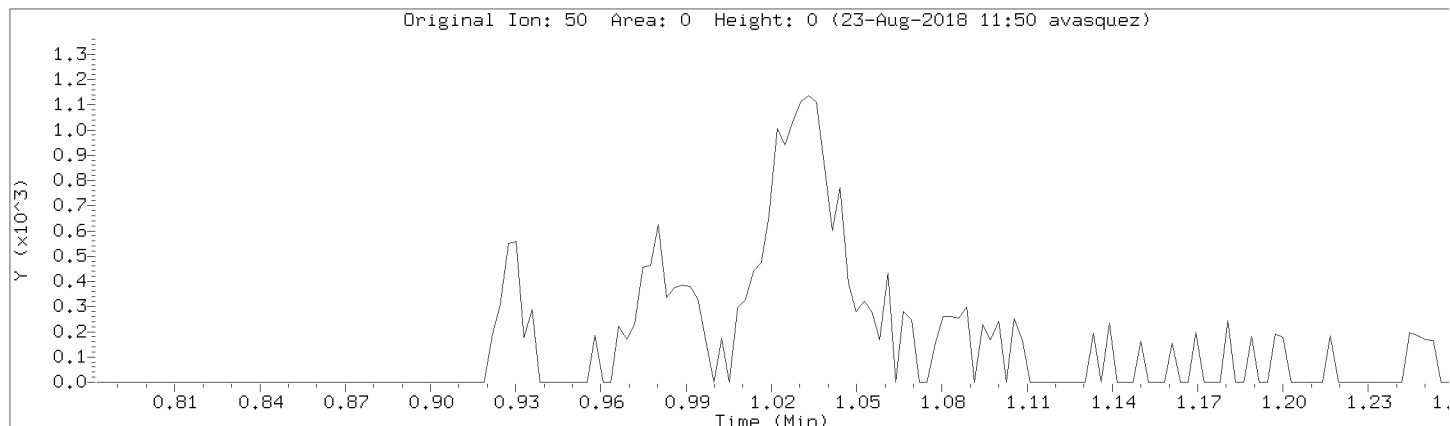
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: Chloromethane

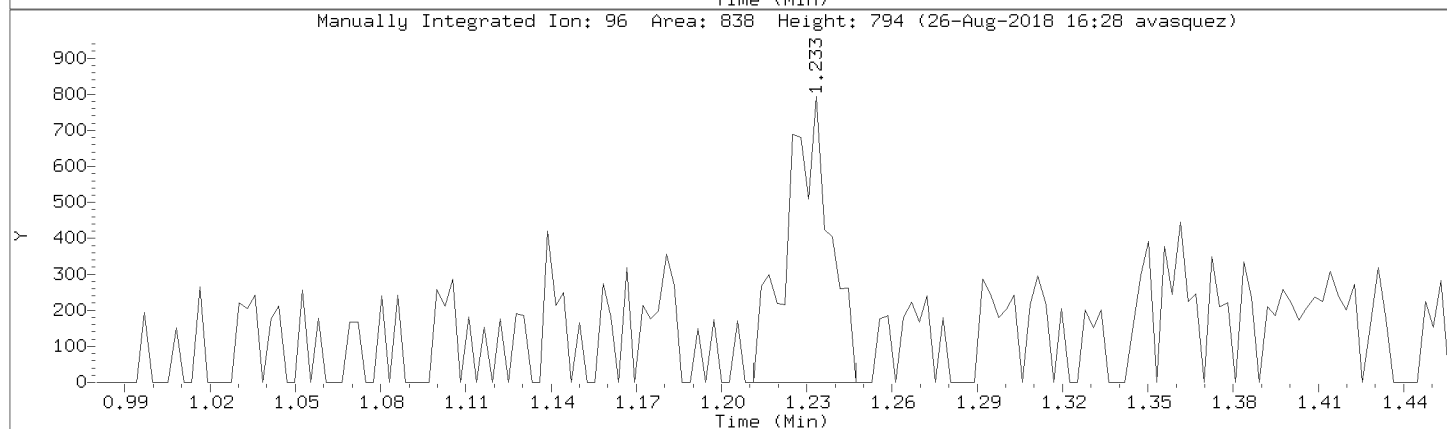
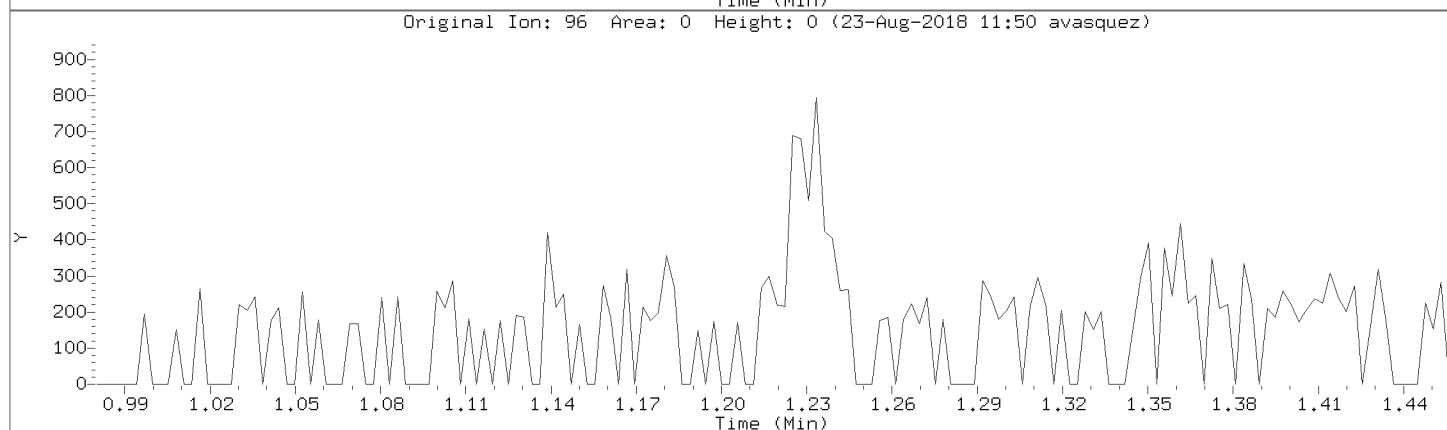
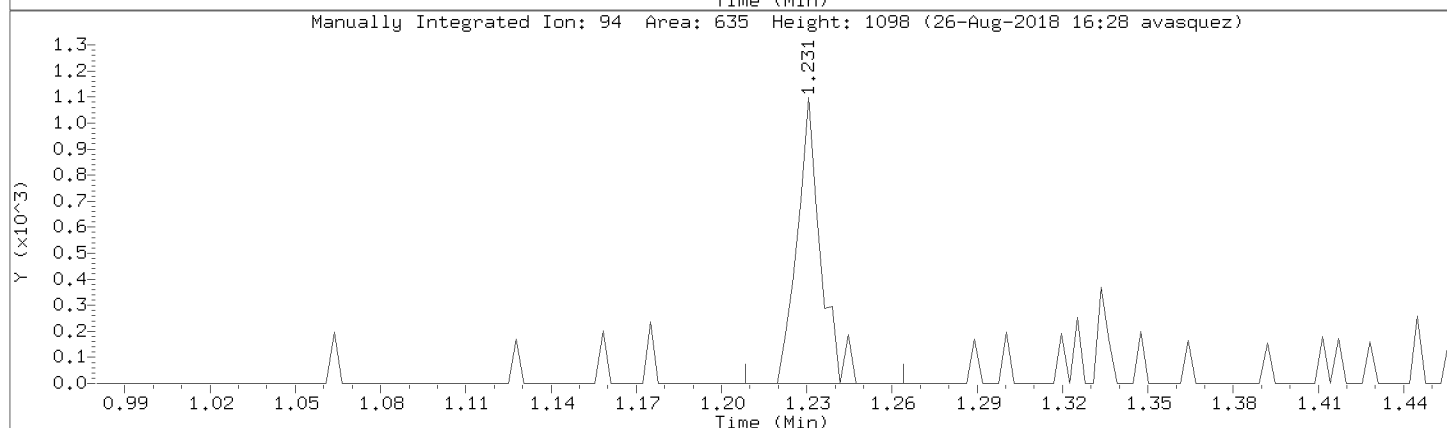
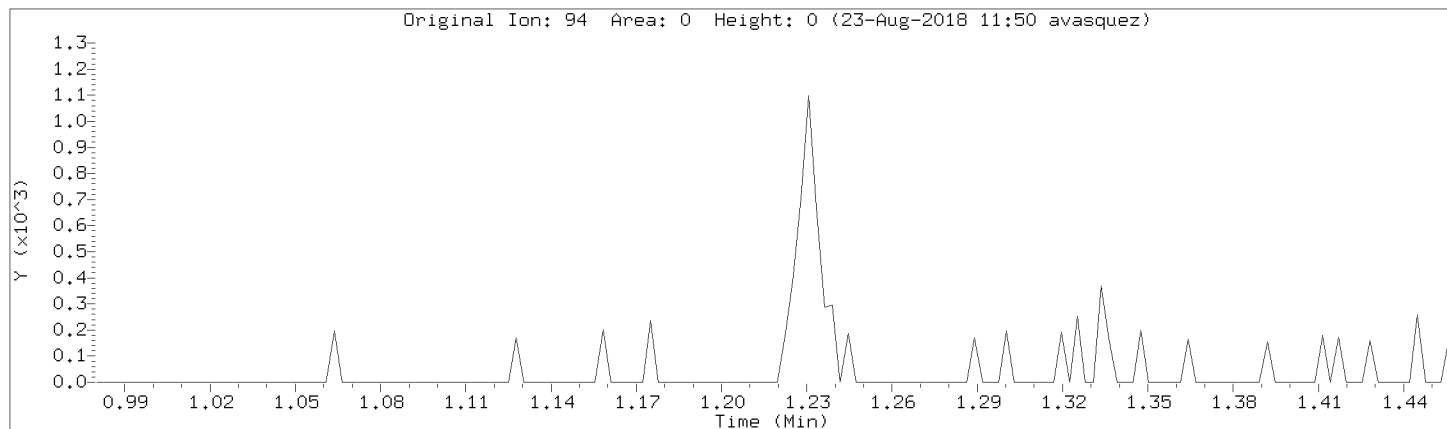
Review Code:

CAS Number: 74-87-3



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

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



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Injection Date: 22-AUG-2018 14:52

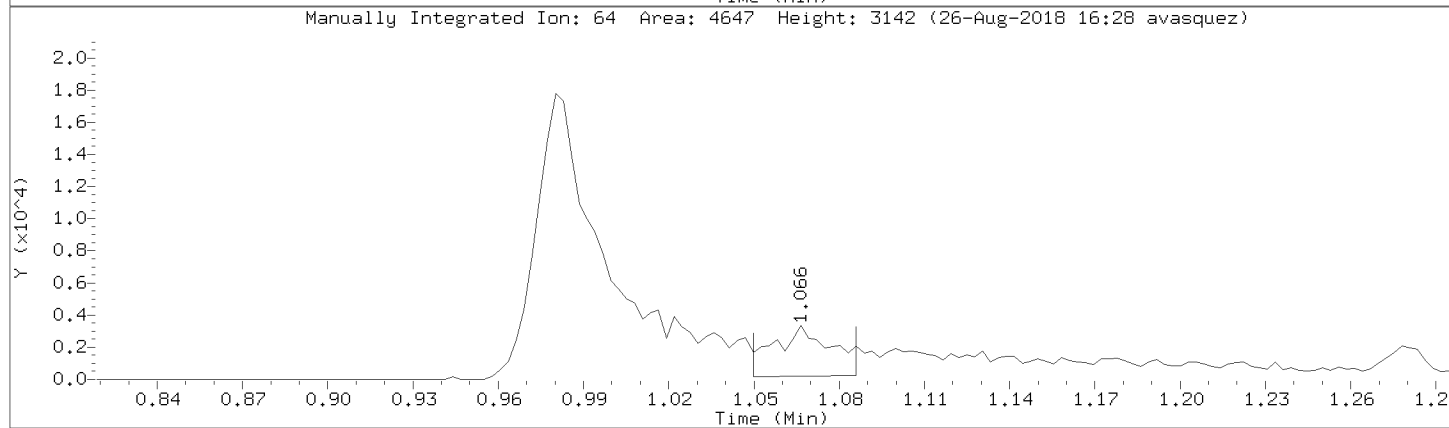
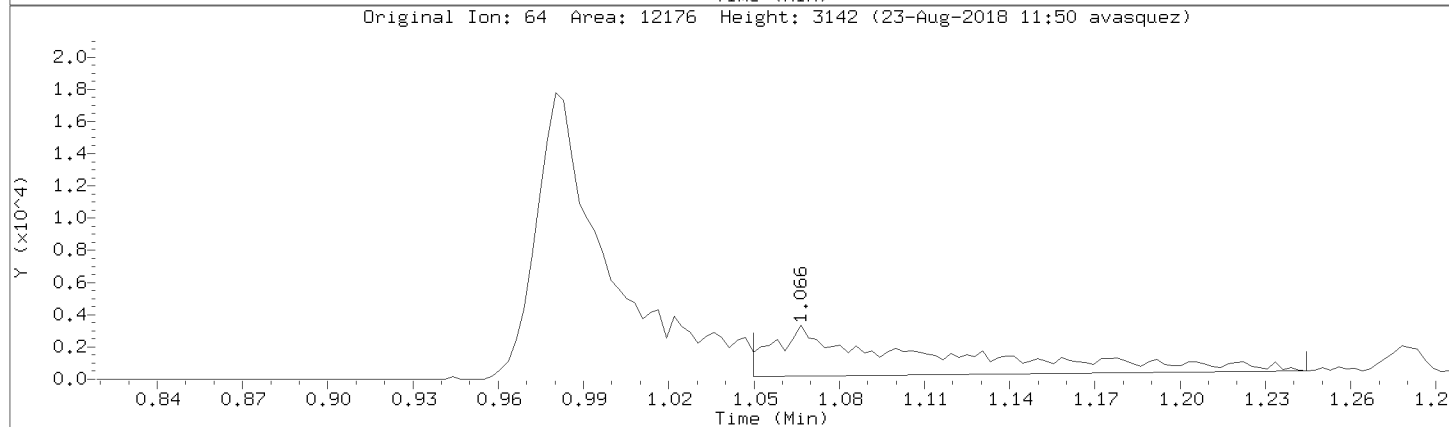
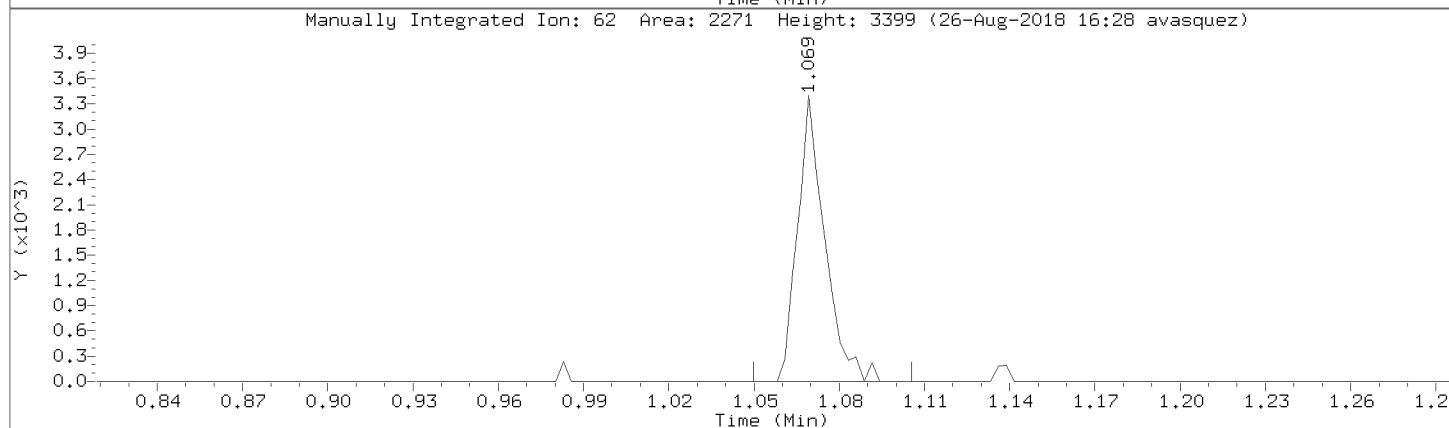
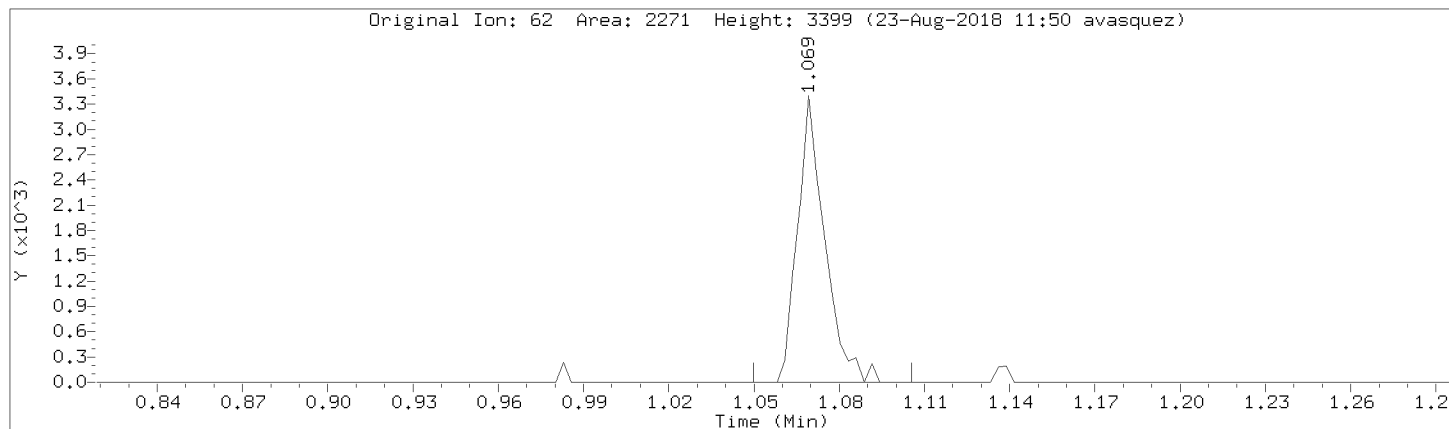
Instrument: 50mv2a.i

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

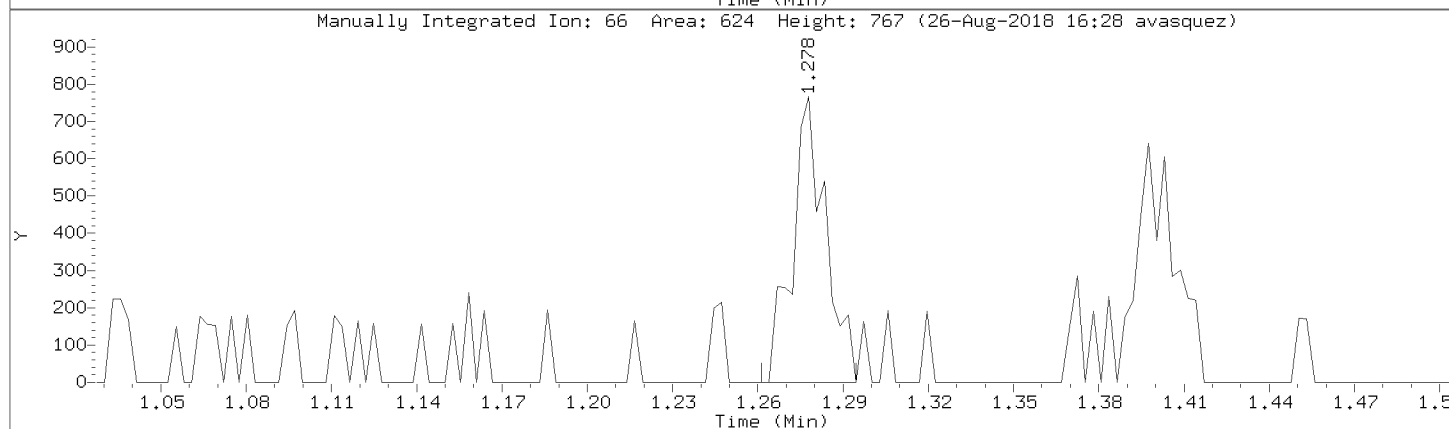
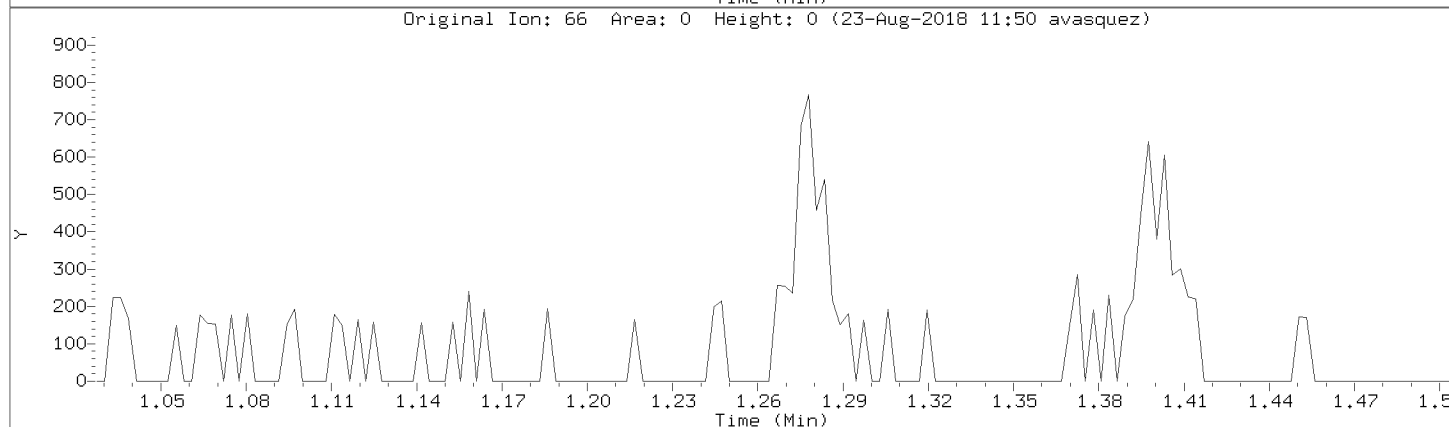
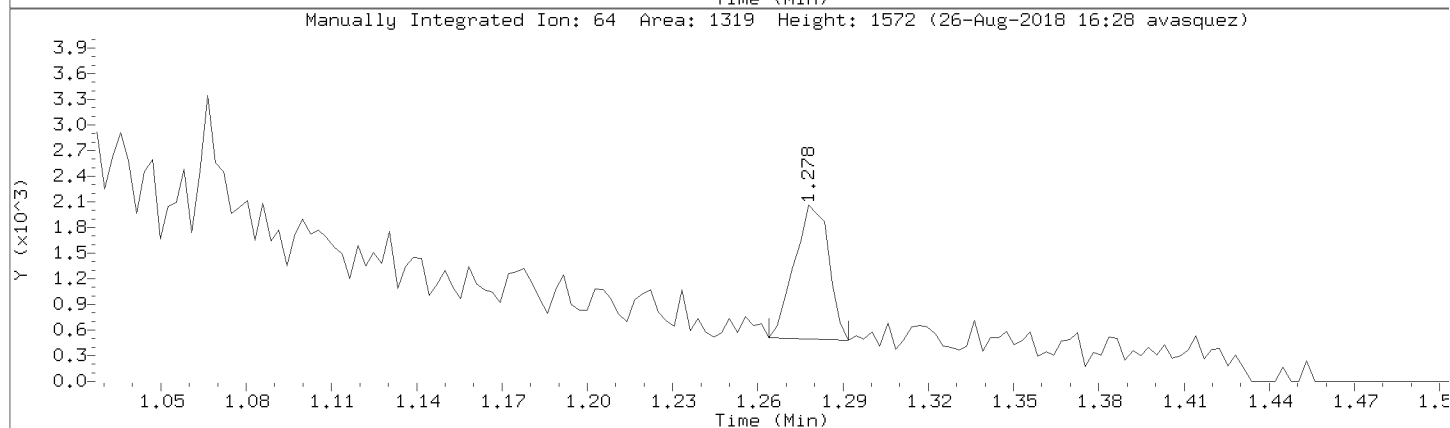
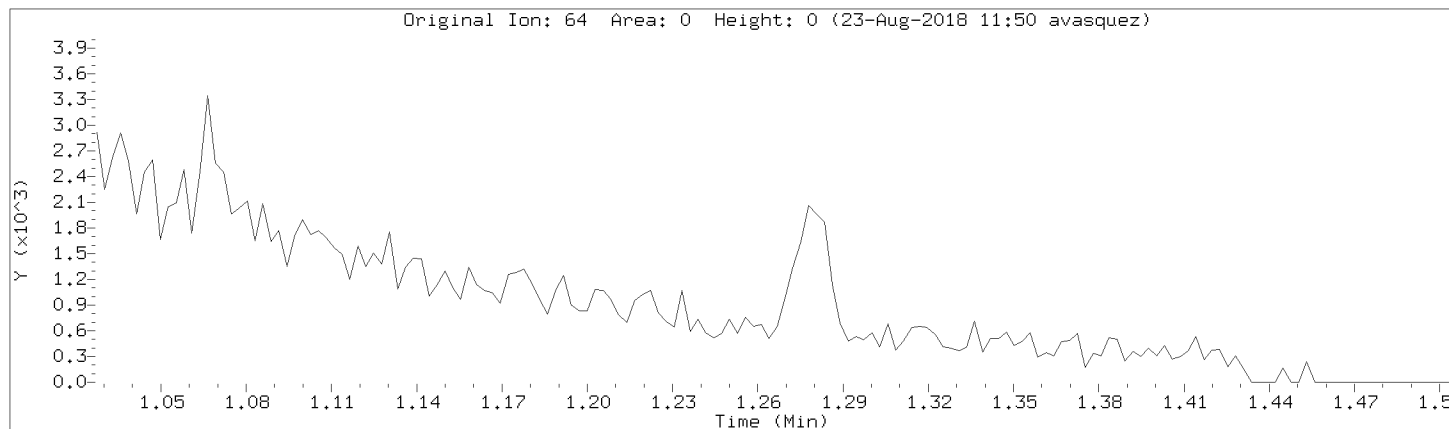
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: Chloroethane

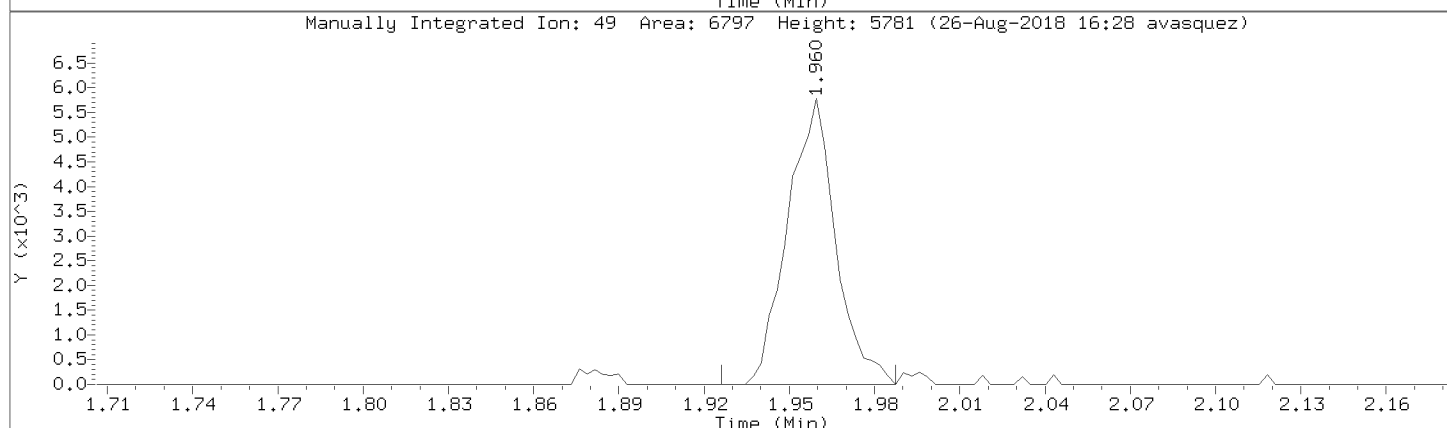
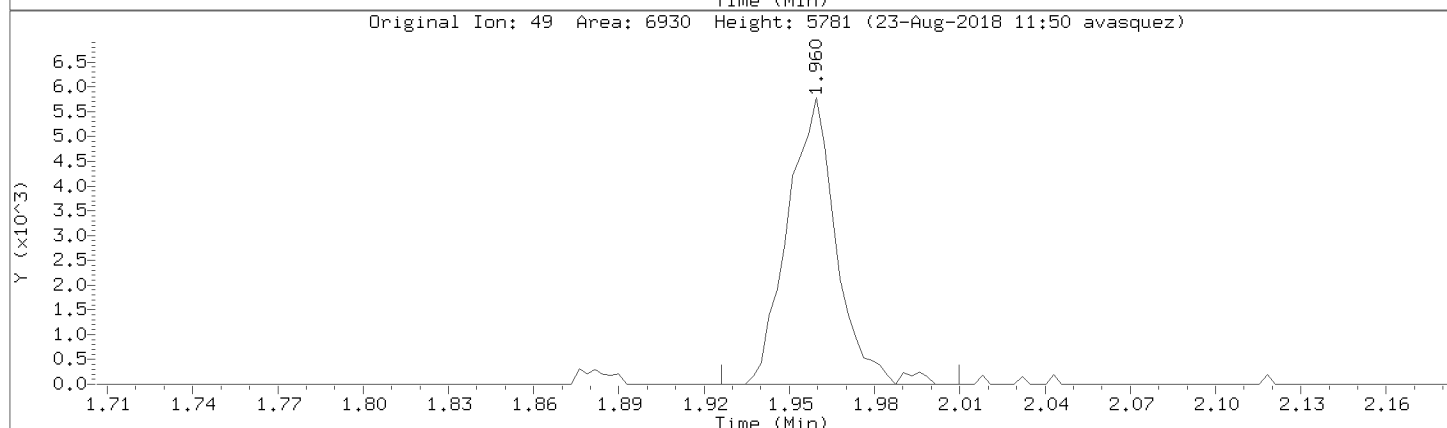
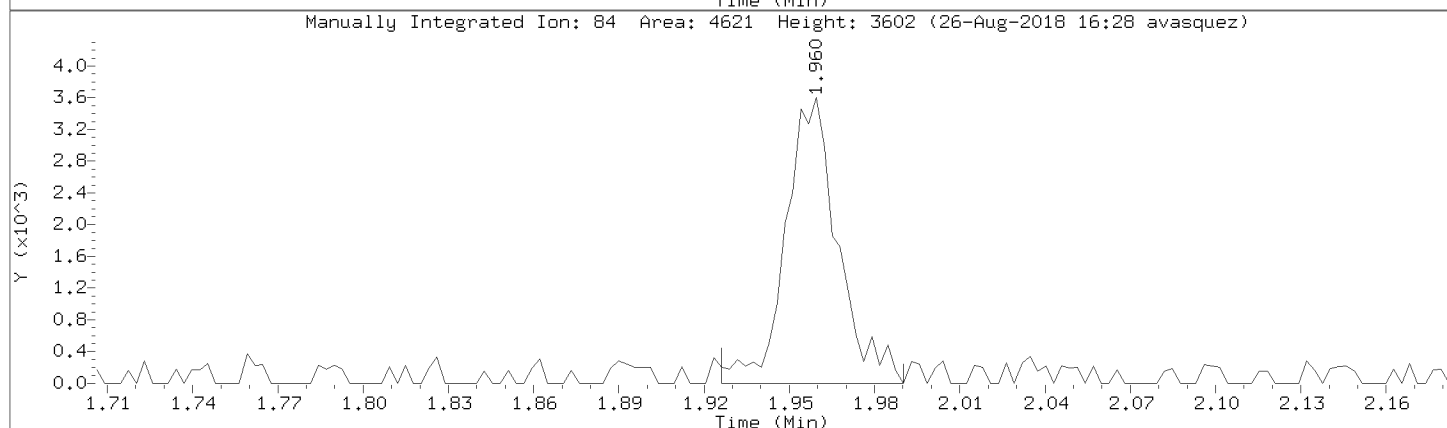
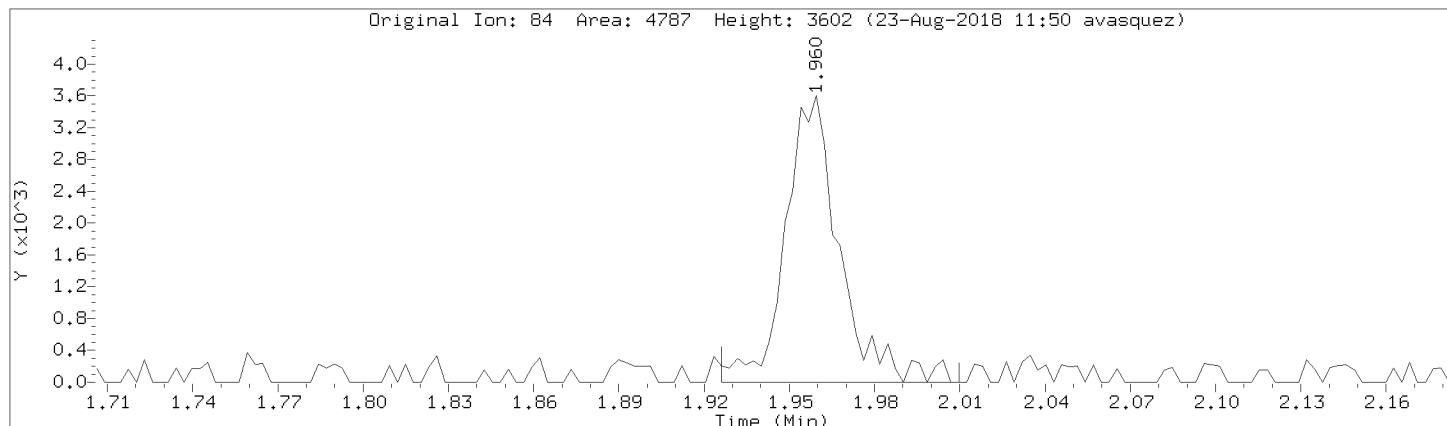
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CAS Number: 75-00-3



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

Compound: Methylene Chloride Review Code:
CAS Number: 75-09-2

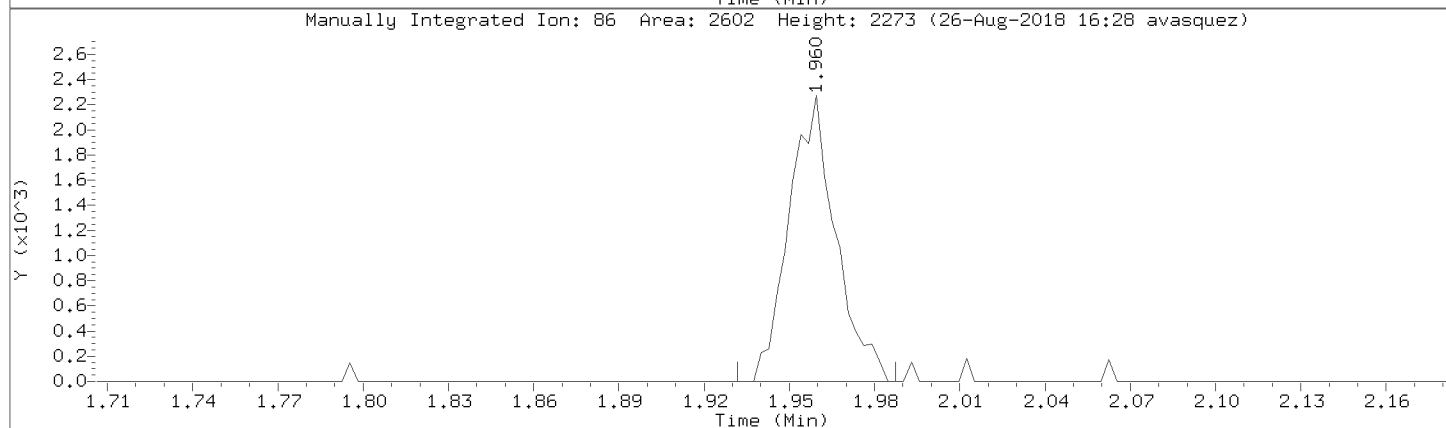
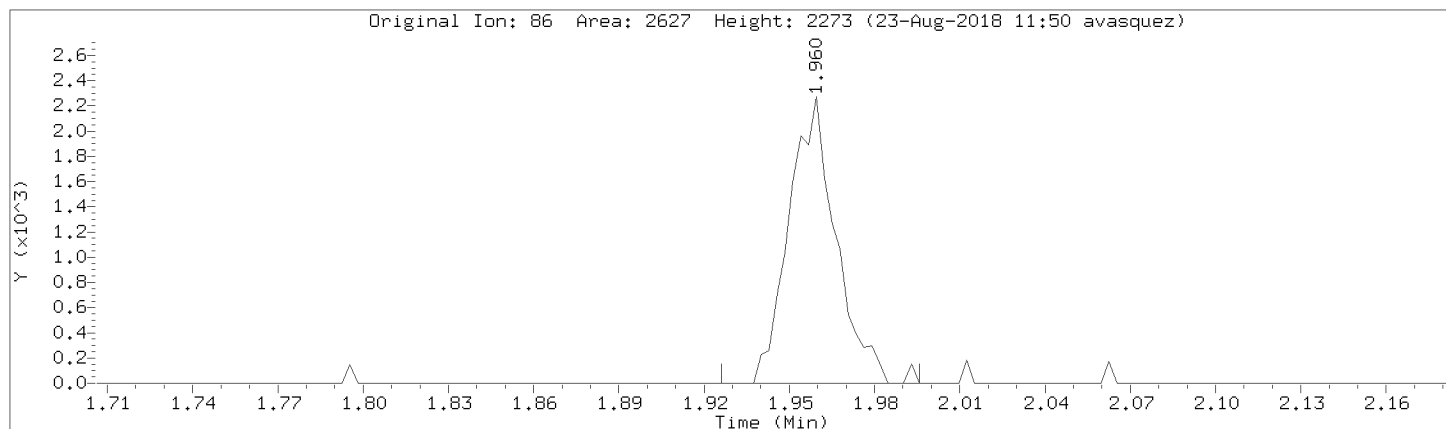


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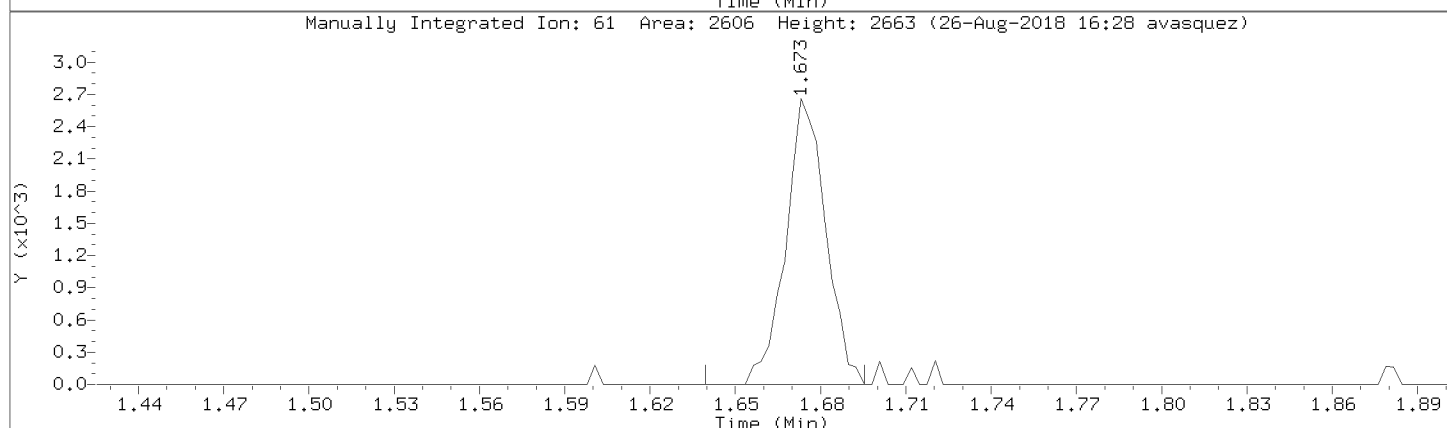
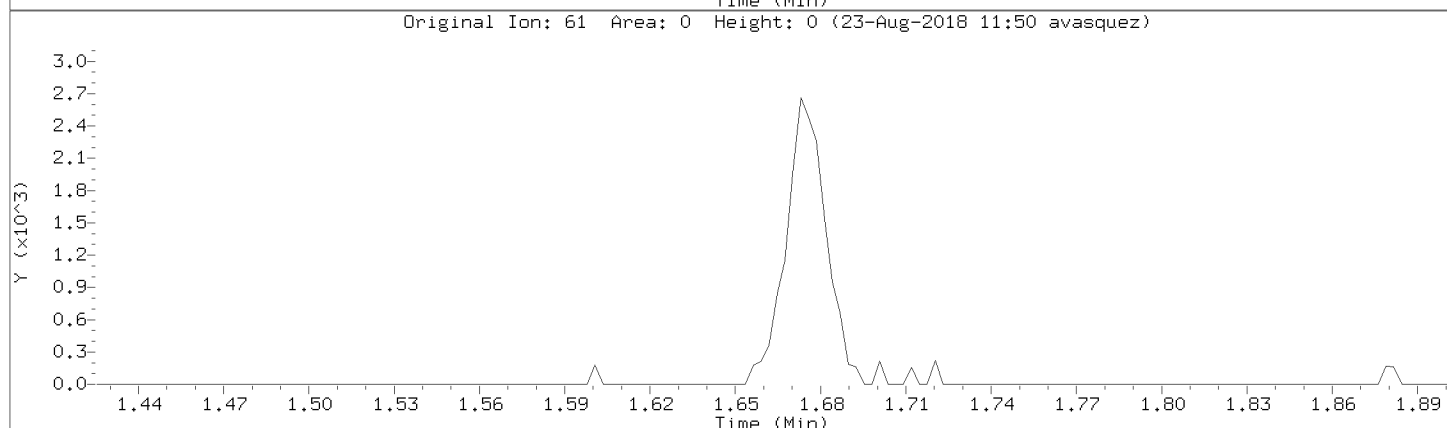
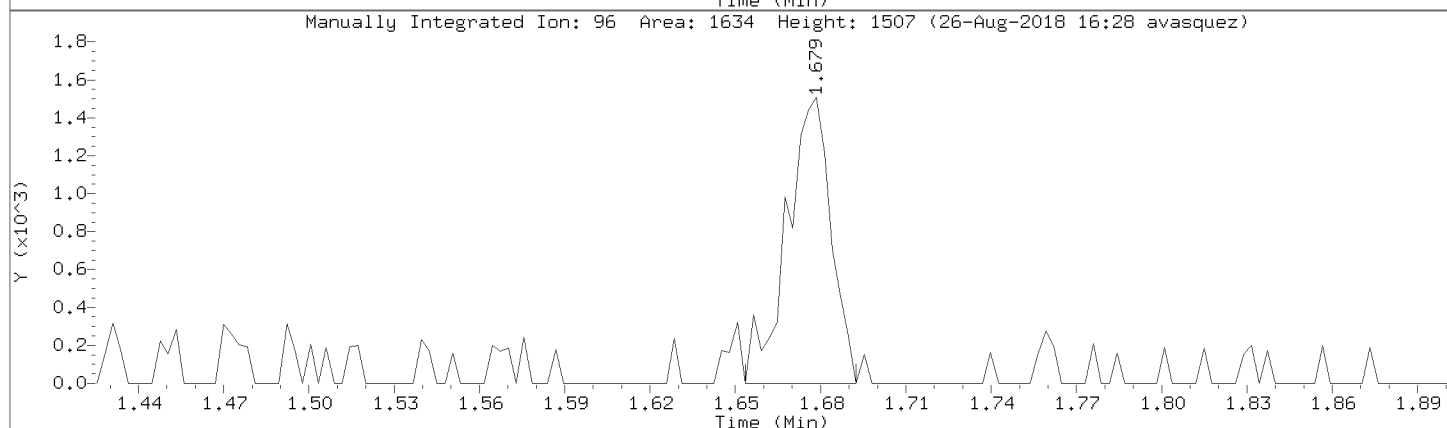
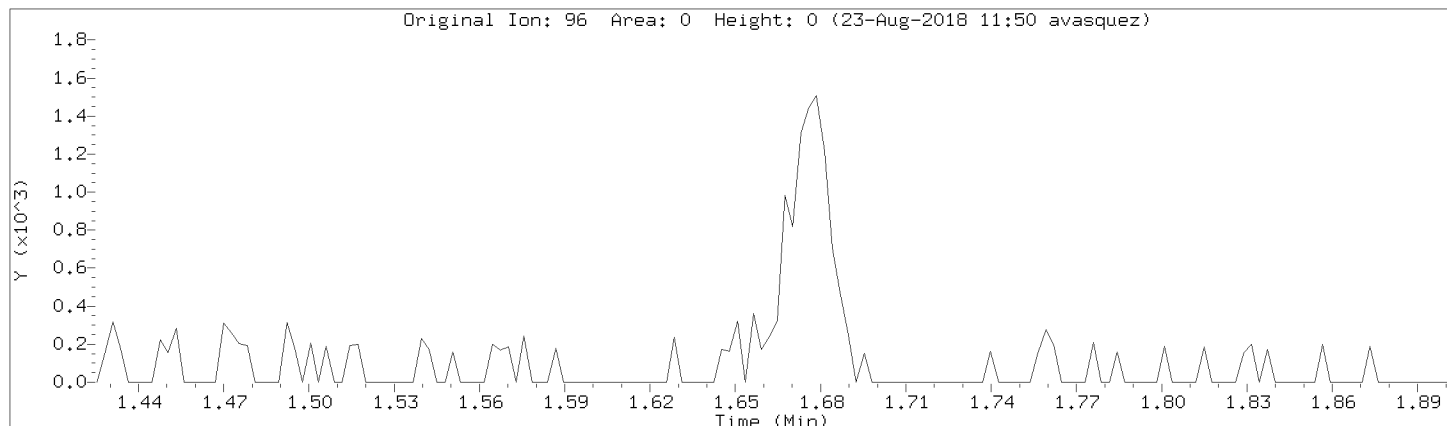
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Lab Sample ID: 8260-CAL2

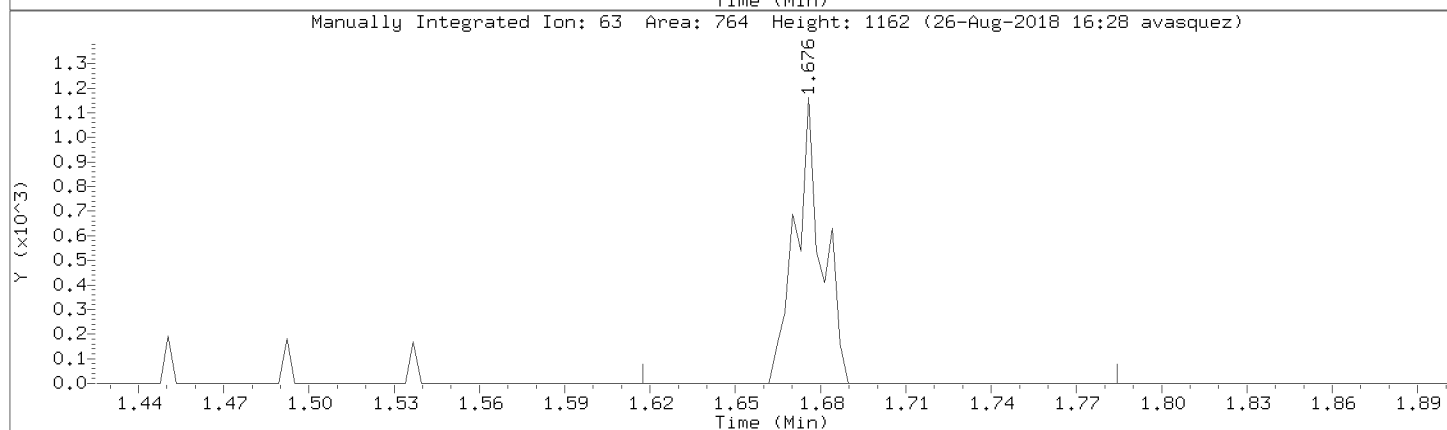
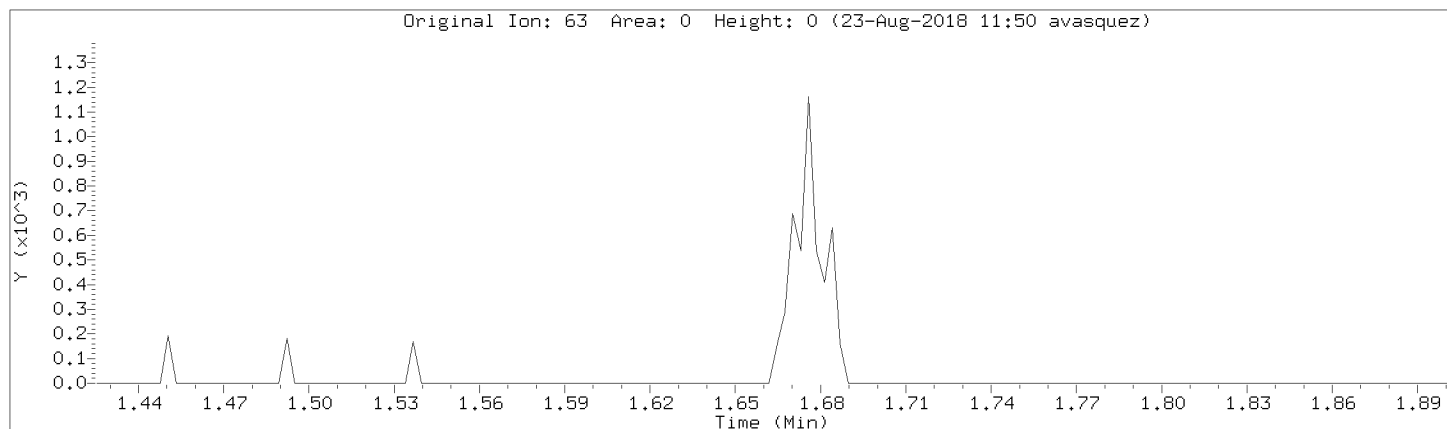


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: 1,1-Dichloroethene Review Code: NI
CAS Number: 75-35-4

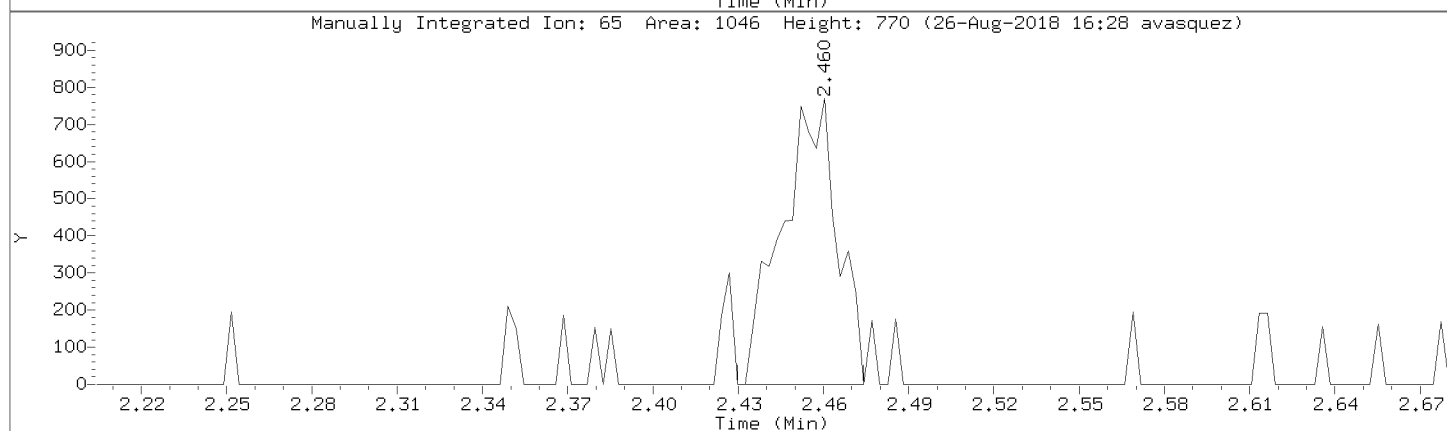
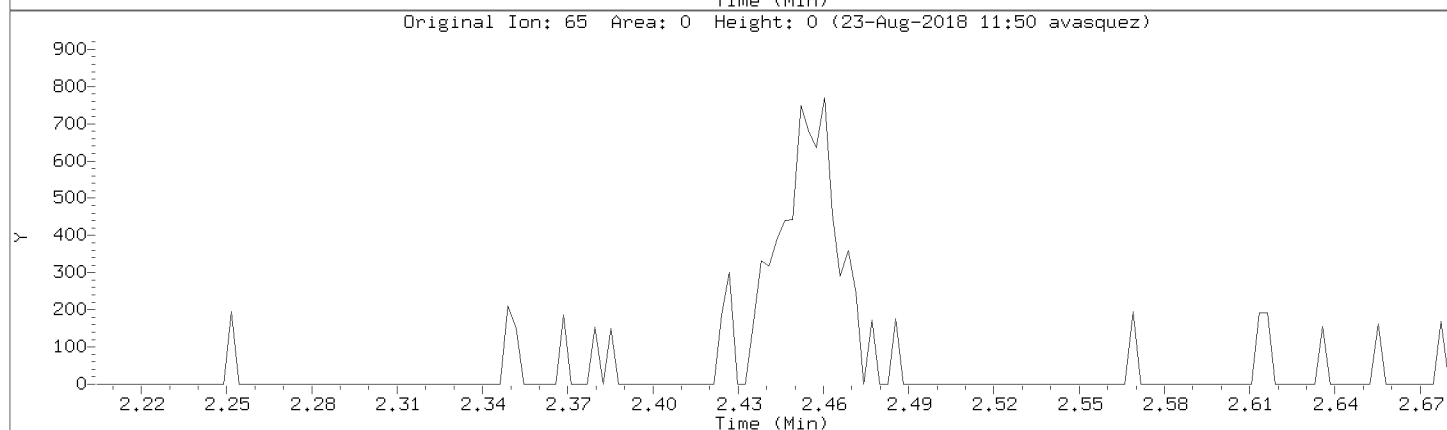
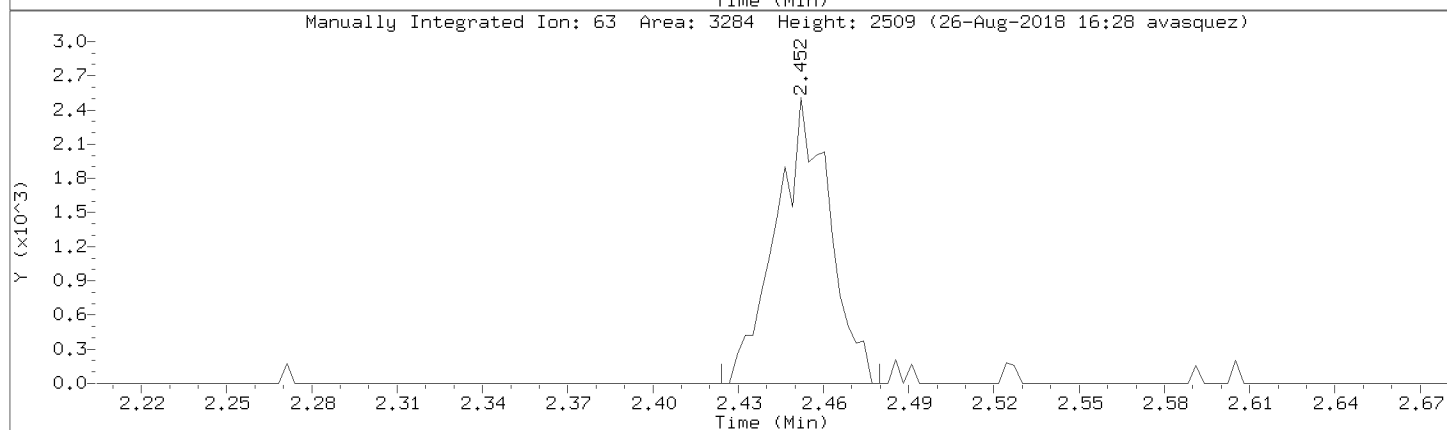
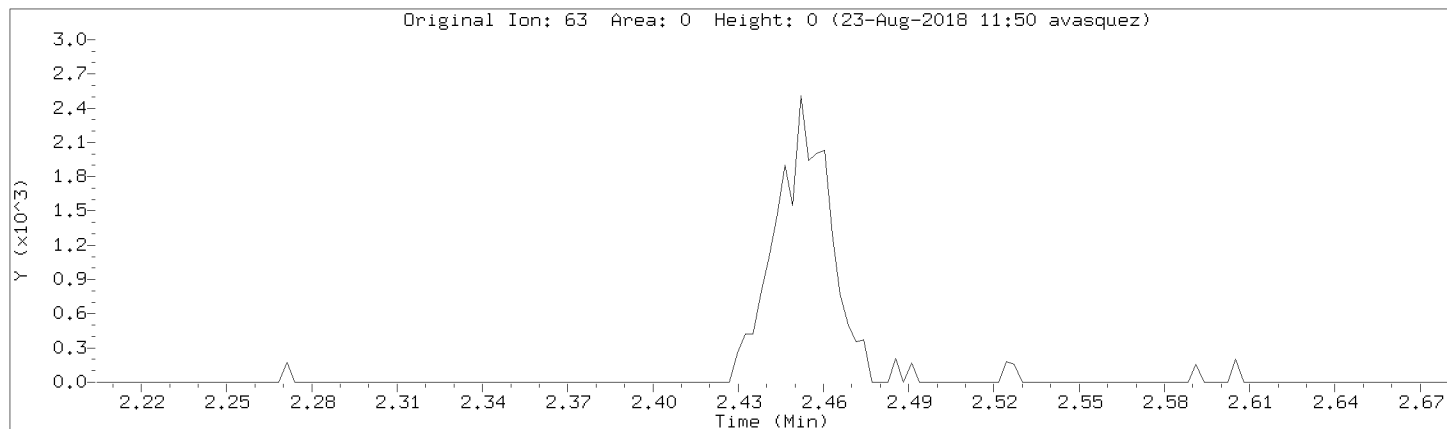


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

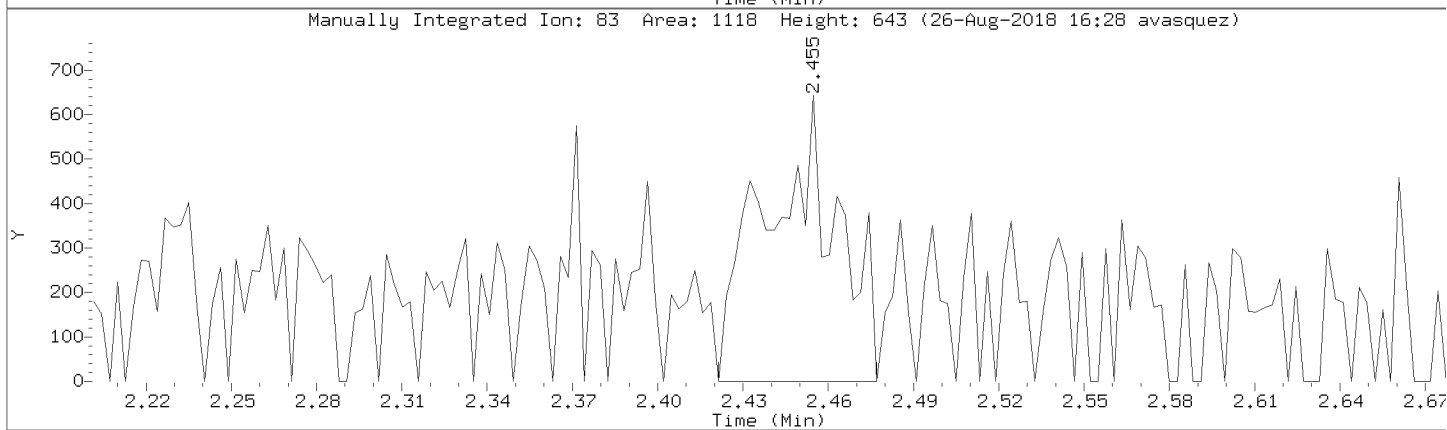
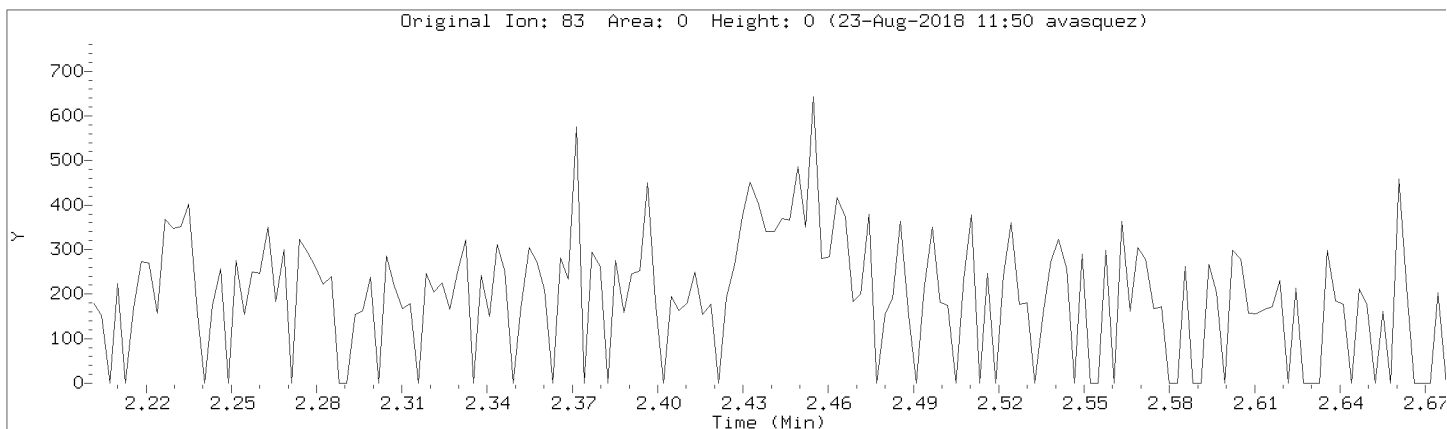


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: 1,1-Dichloroethane Review Code: NI
CAS Number: 75-34-3



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

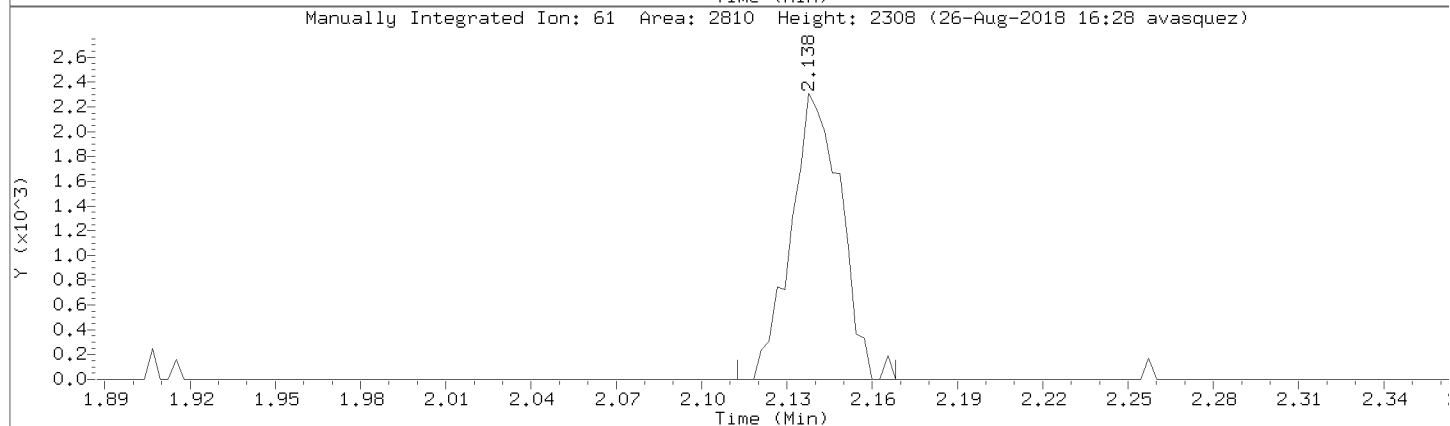
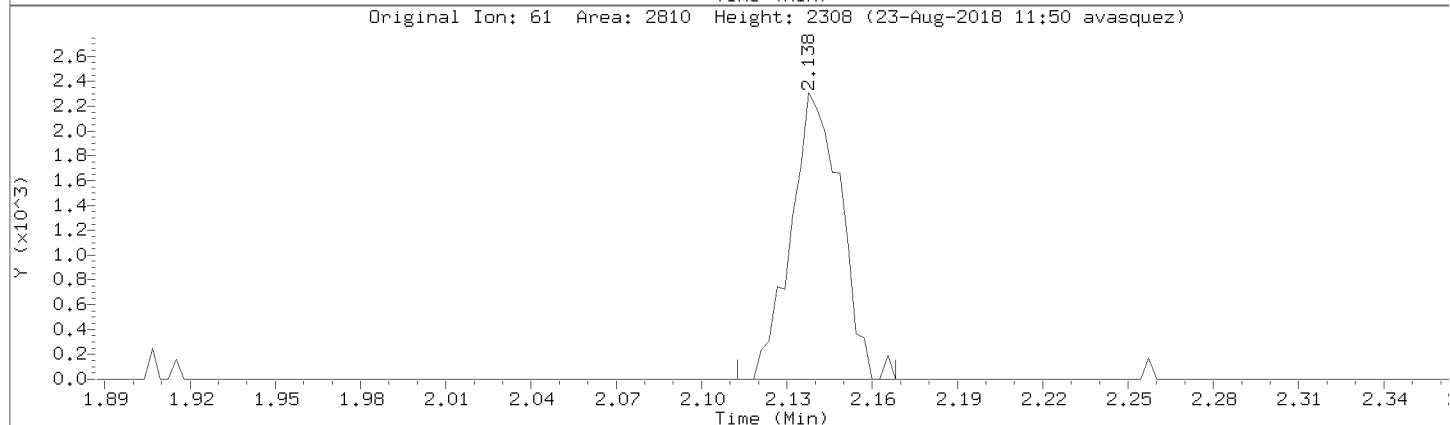
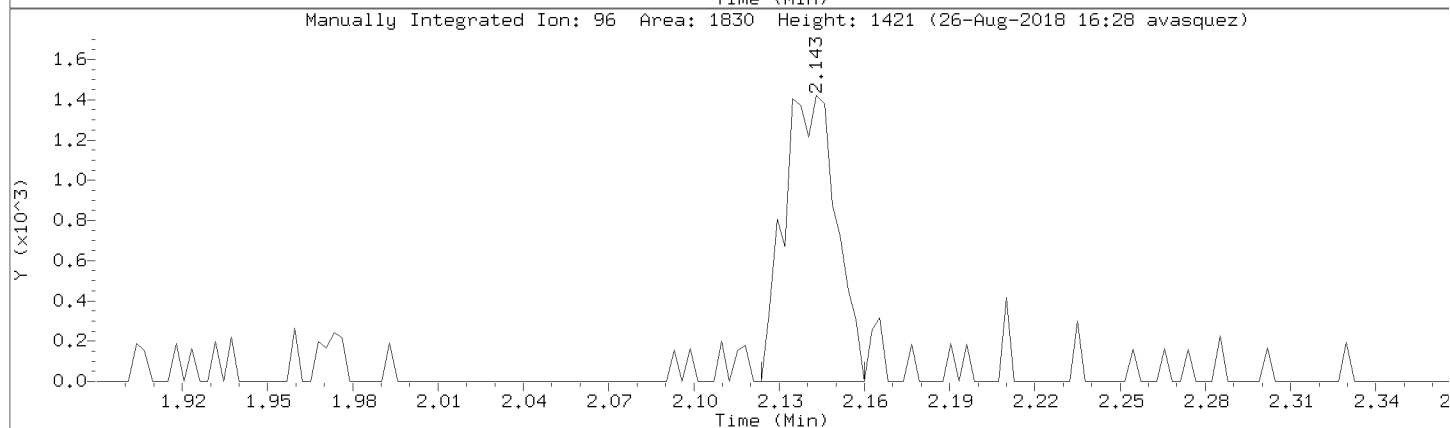
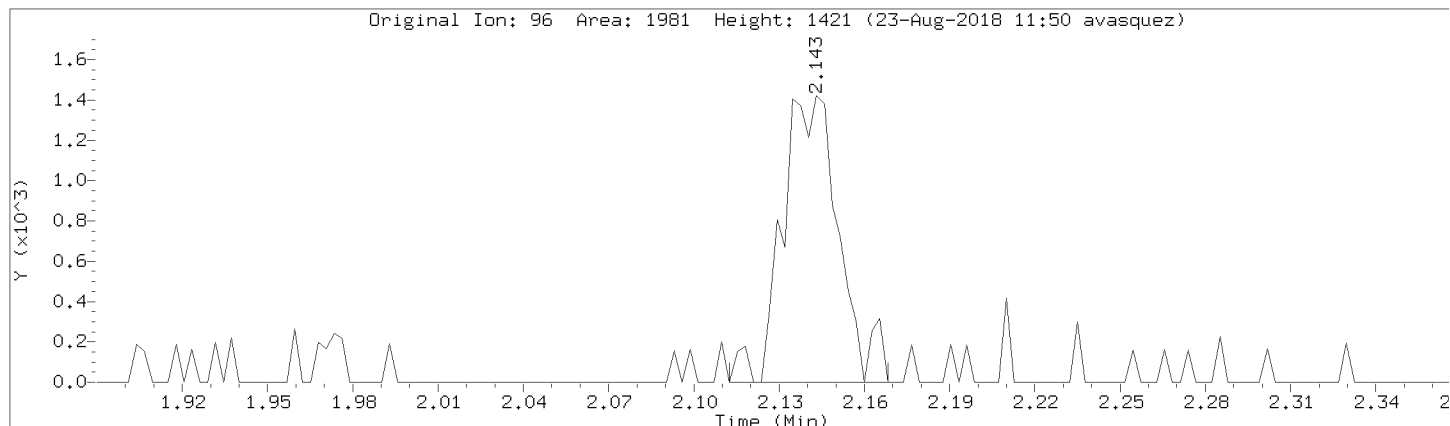
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: 1,2-Dichloroethene (trans)

Review Code: LT

CAS Number: 156-60-5

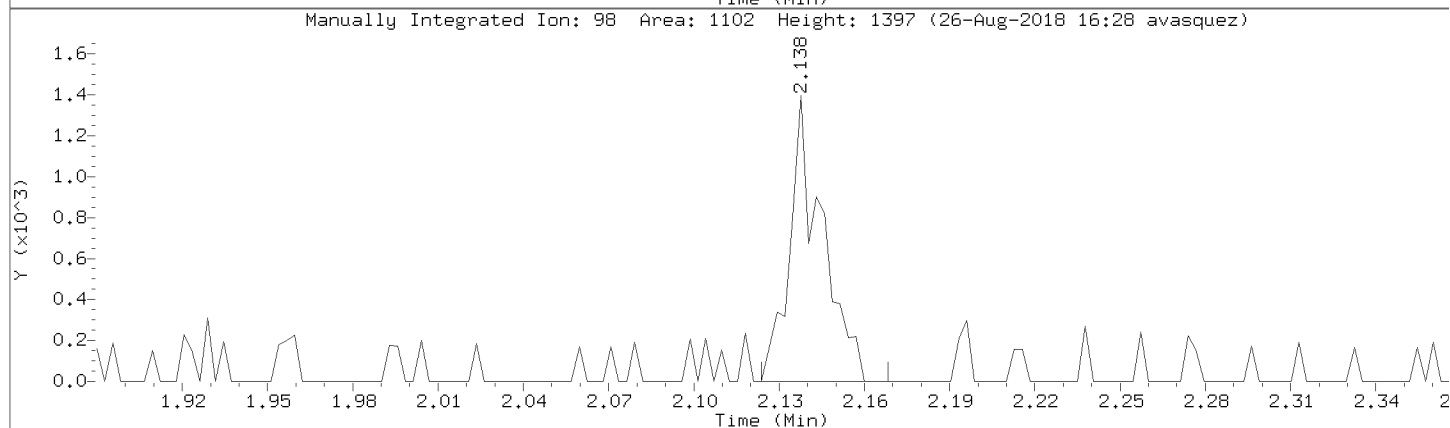
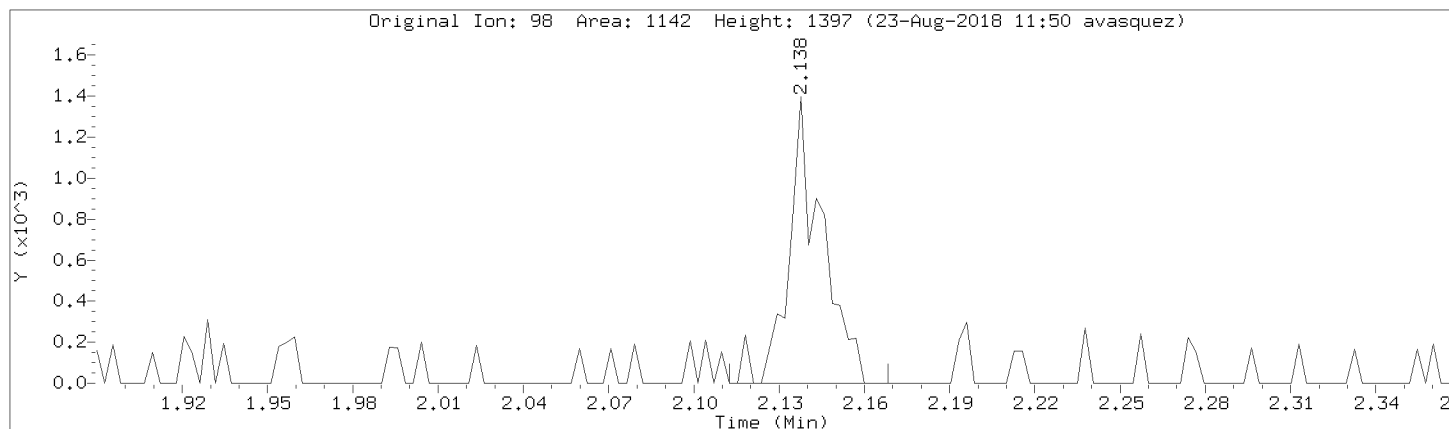


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Injection Date: 22-AUG-2018 14:52

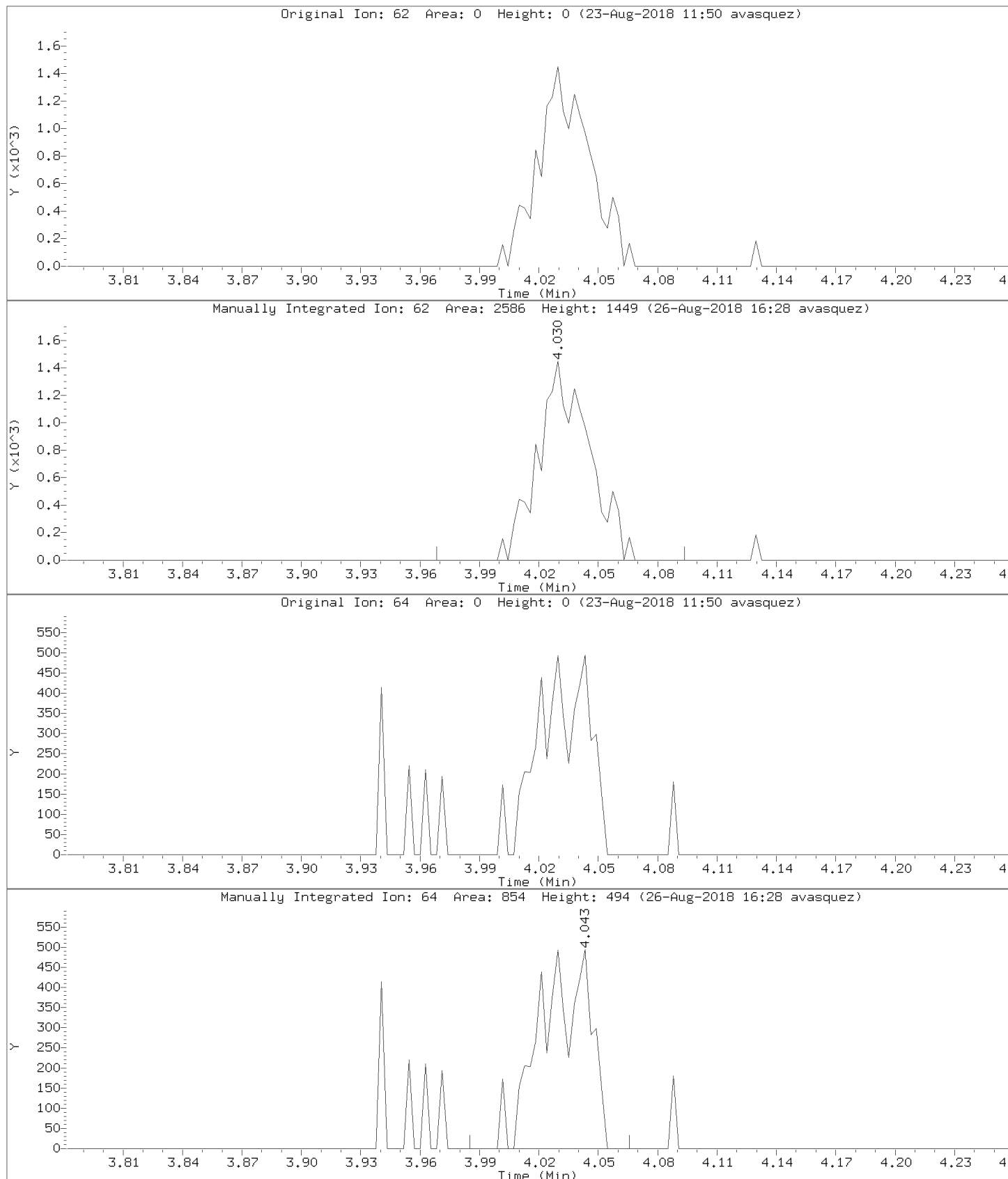
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

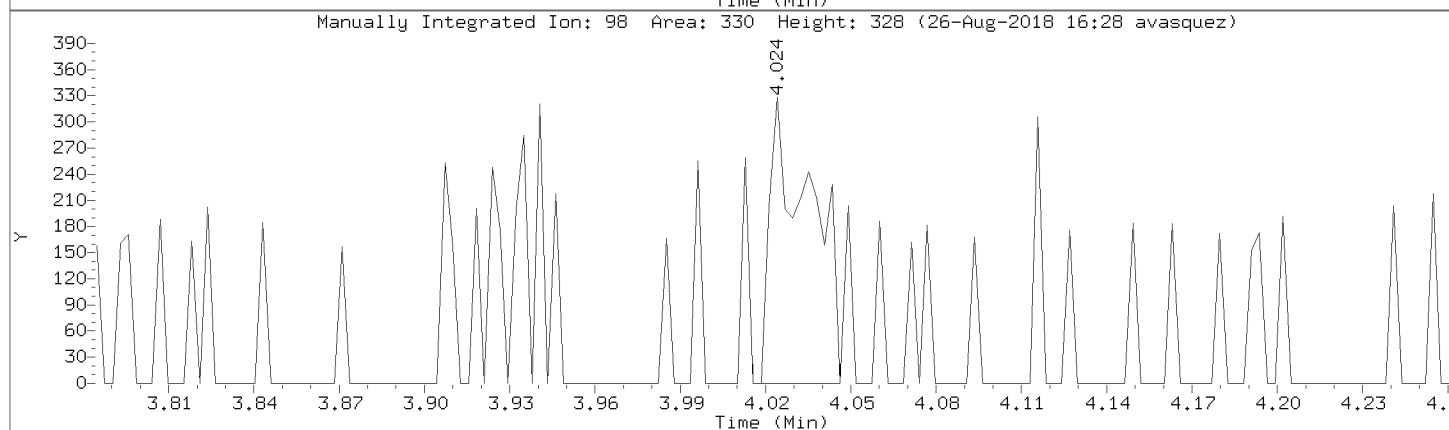
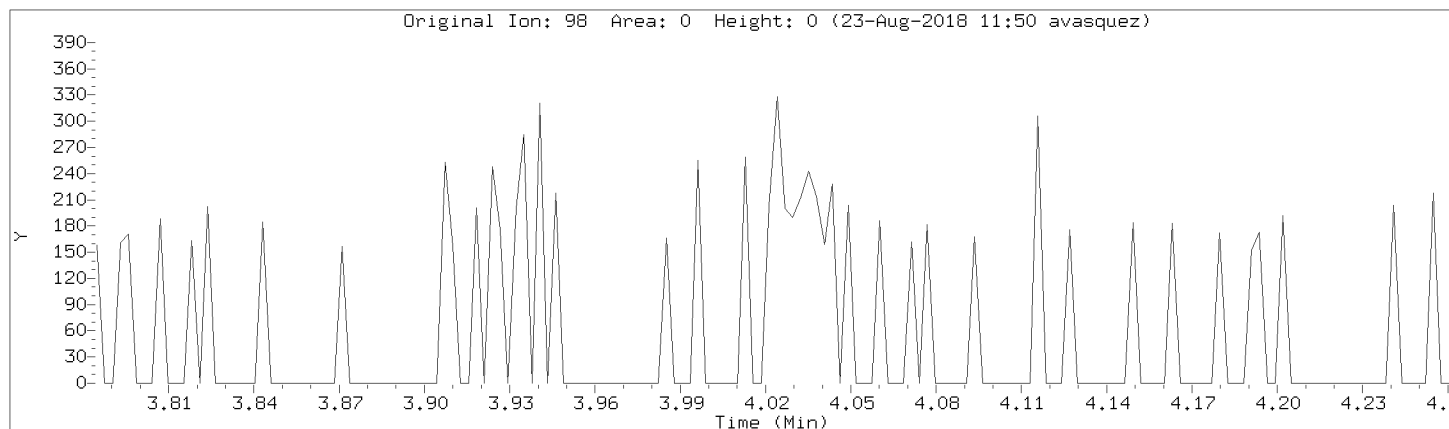


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

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



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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

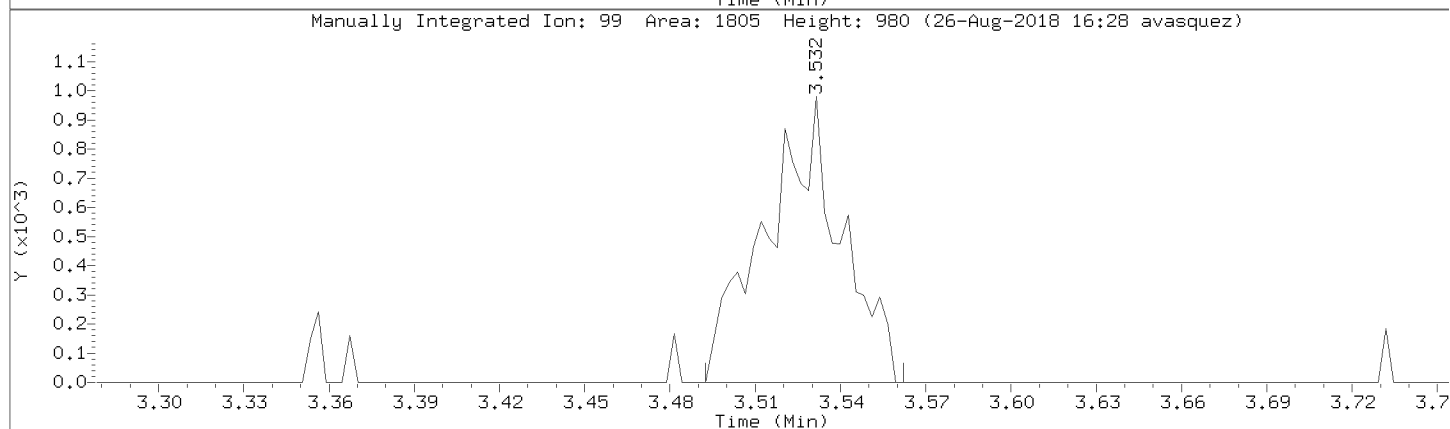
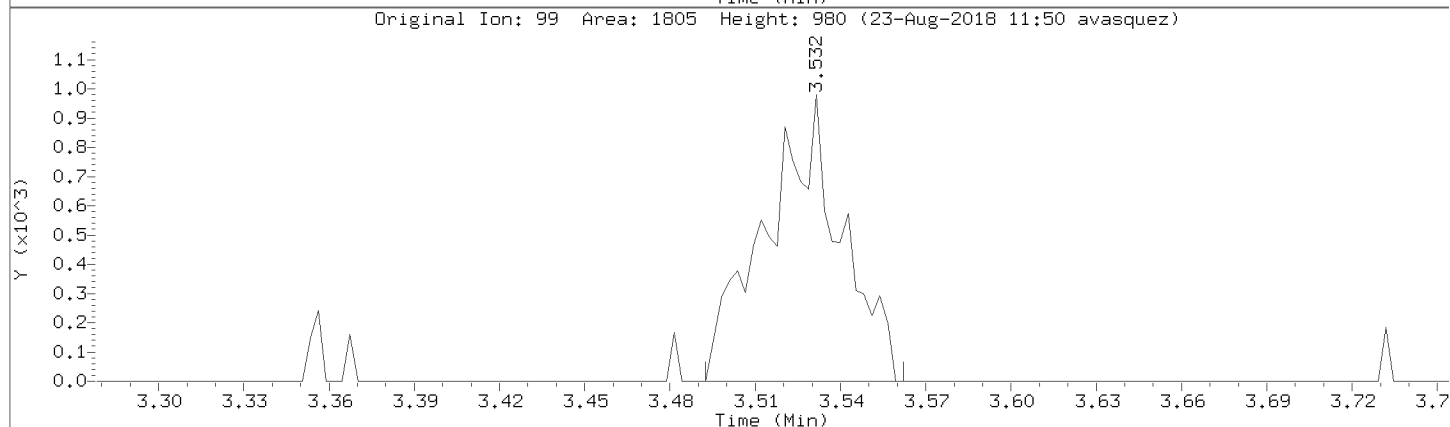
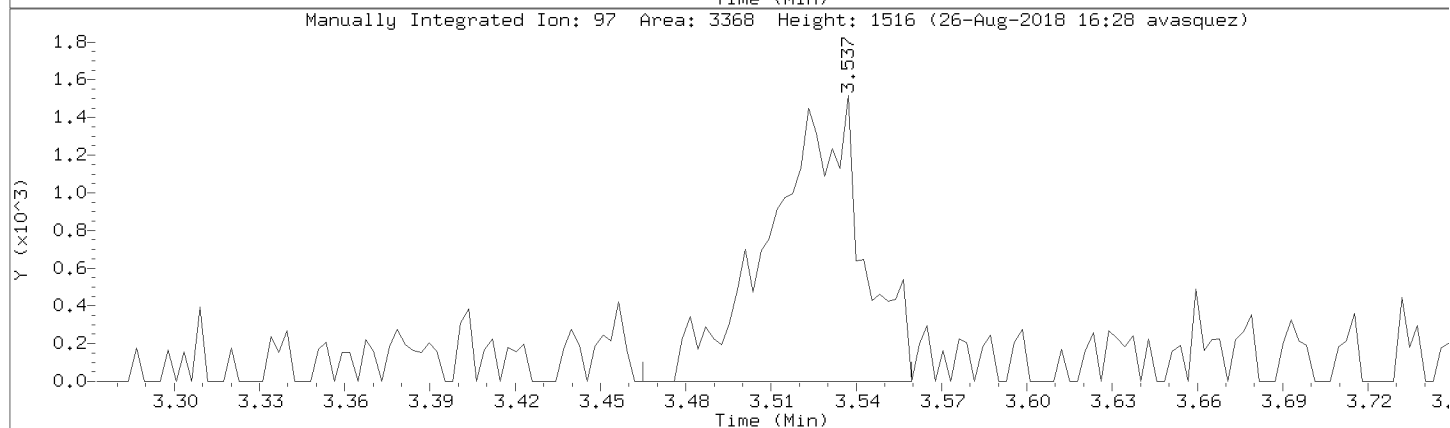
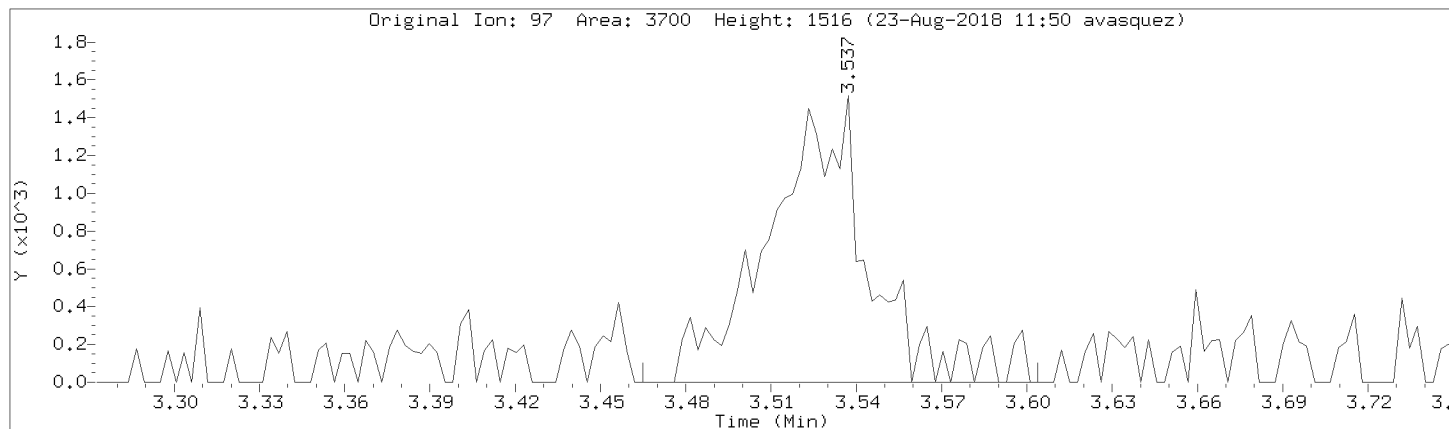
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

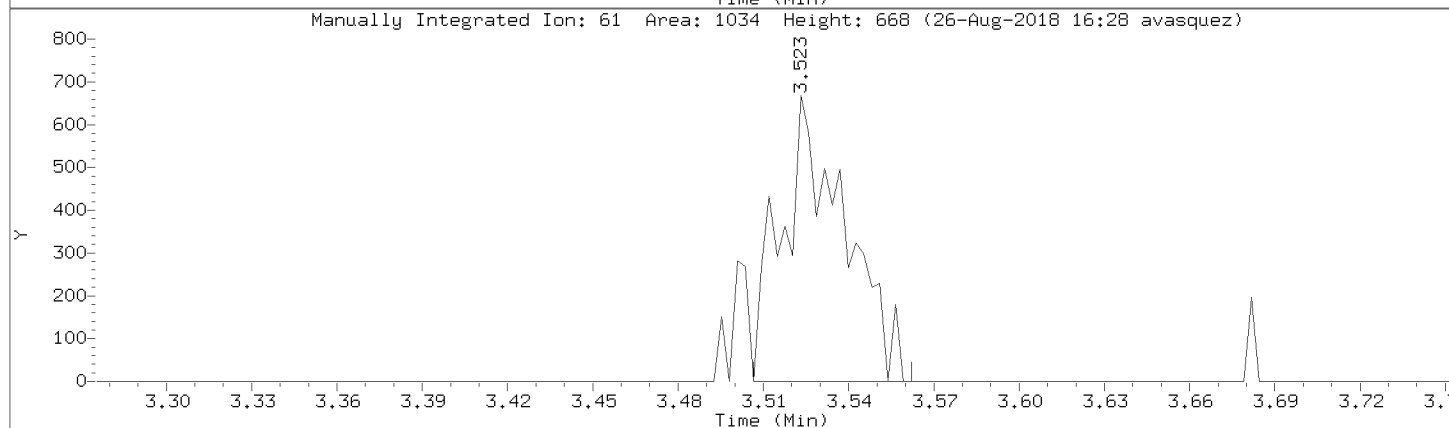
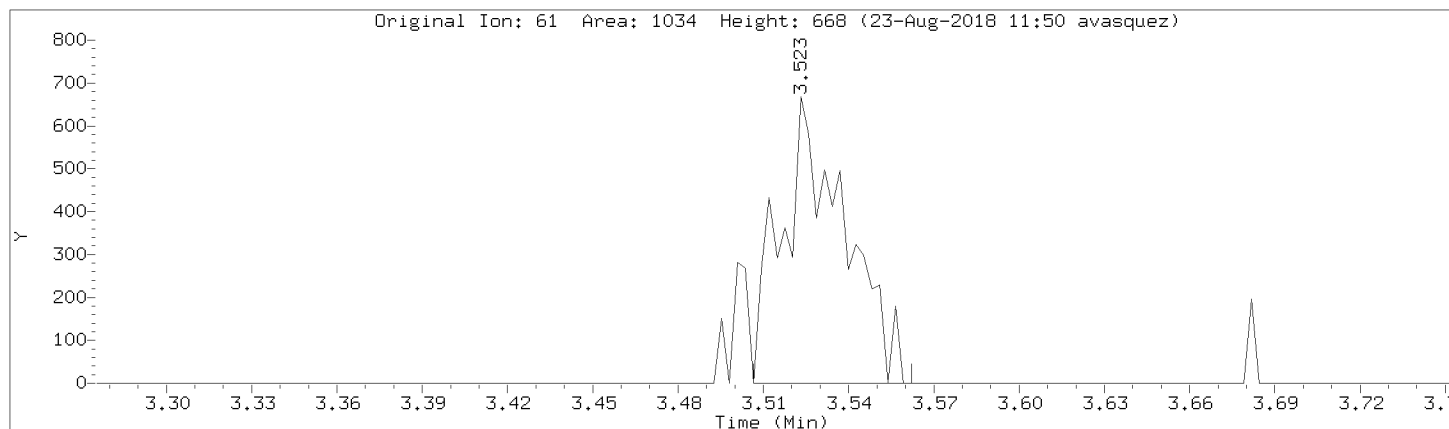
Compound: 1,1,1-Trichloroethane

Review Code: GT

CAS Number: 71-55-6

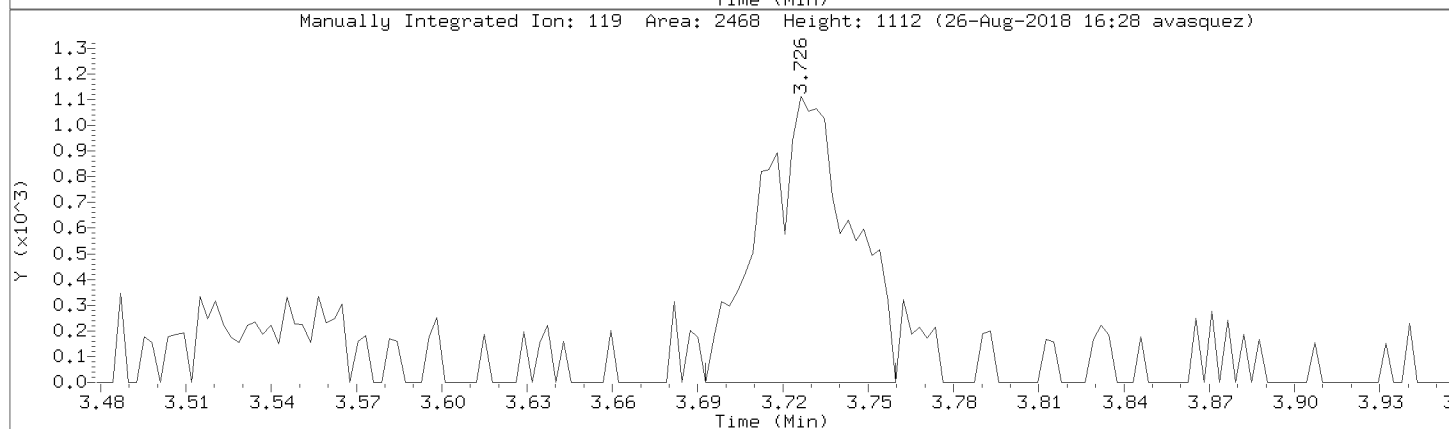
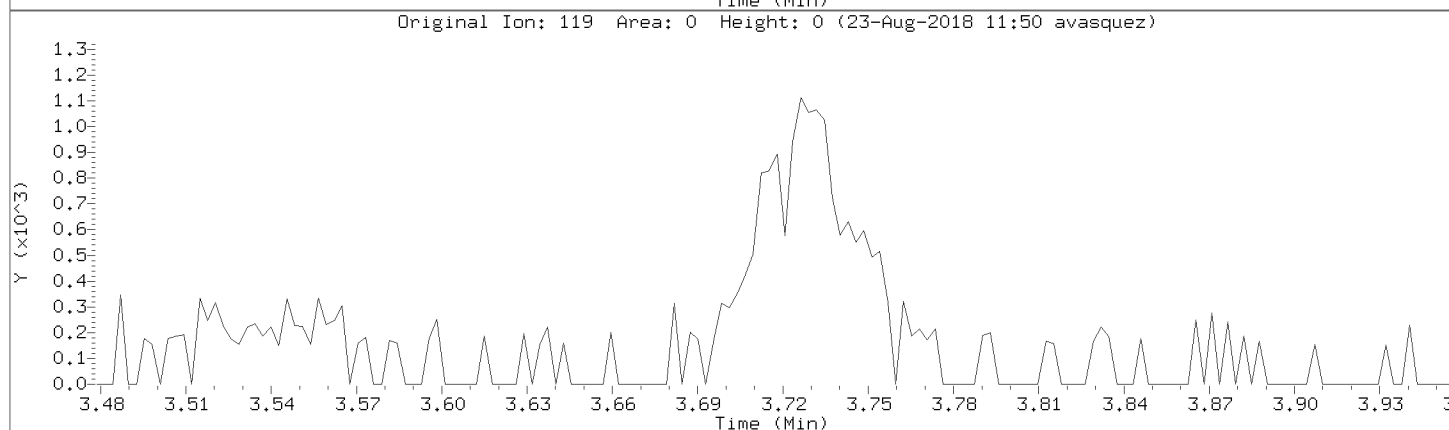
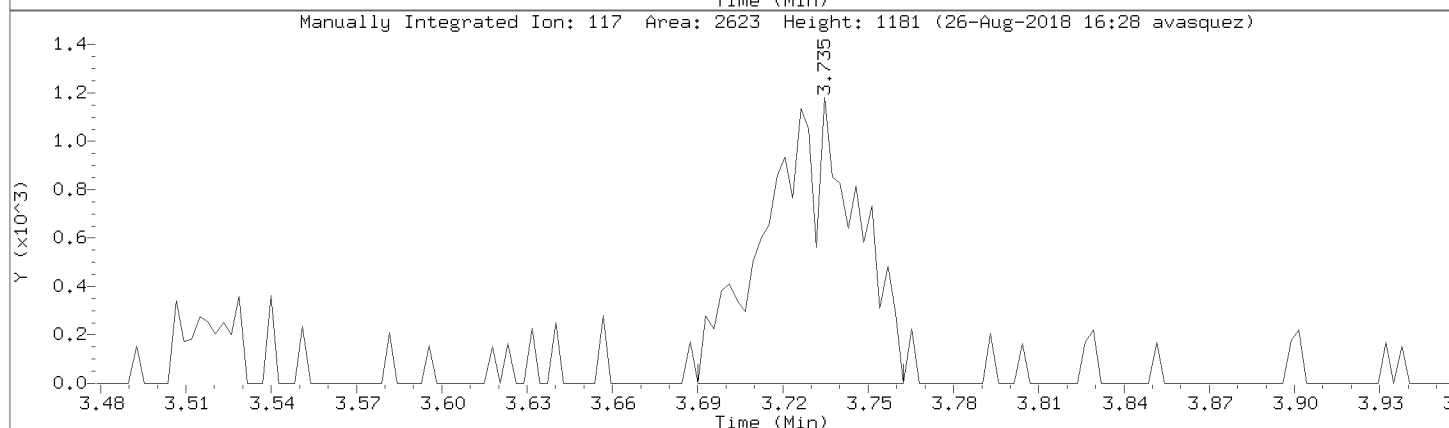
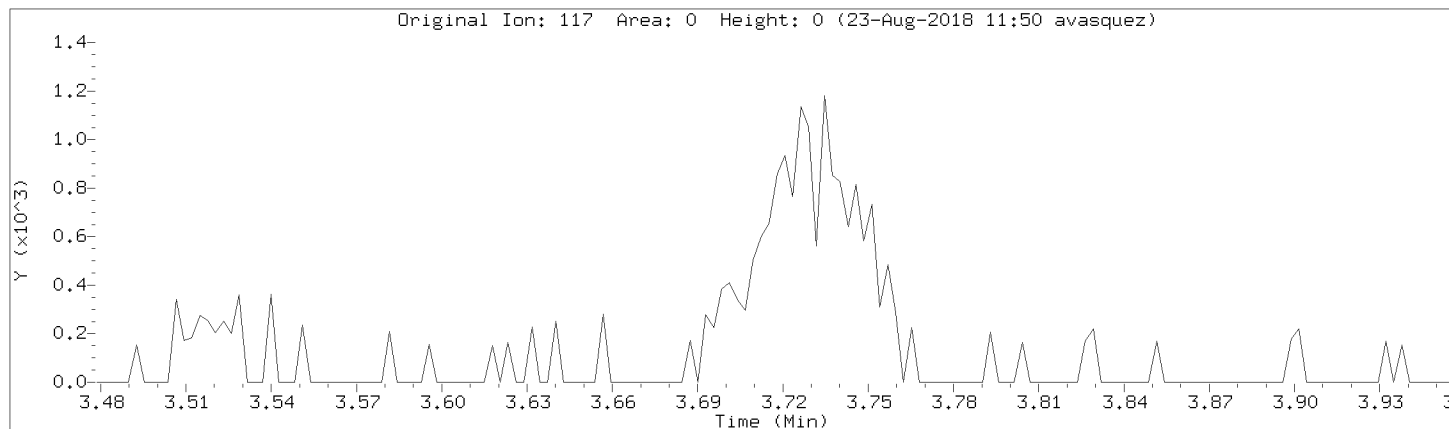


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

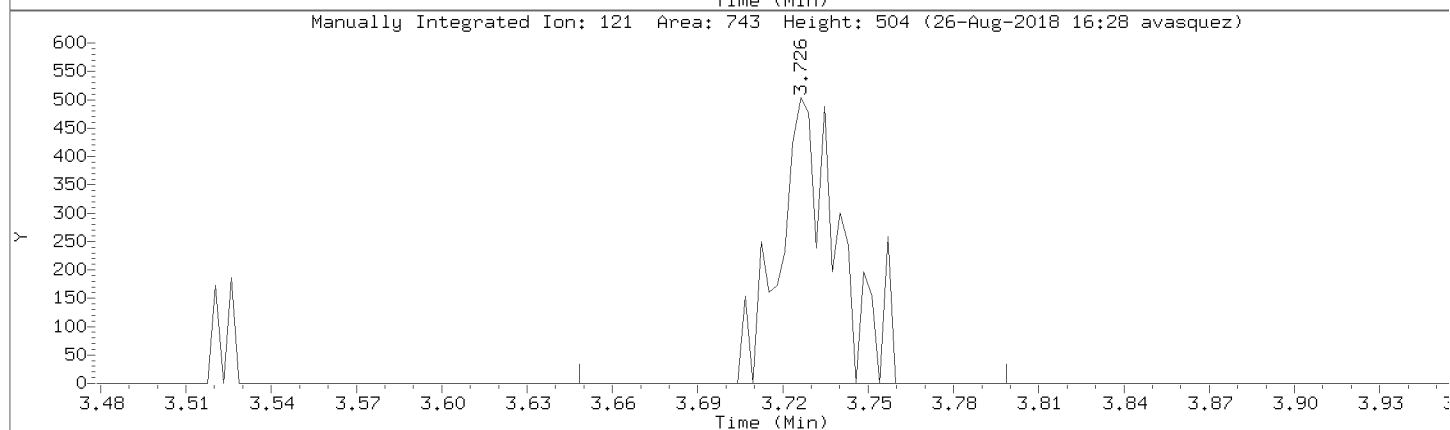
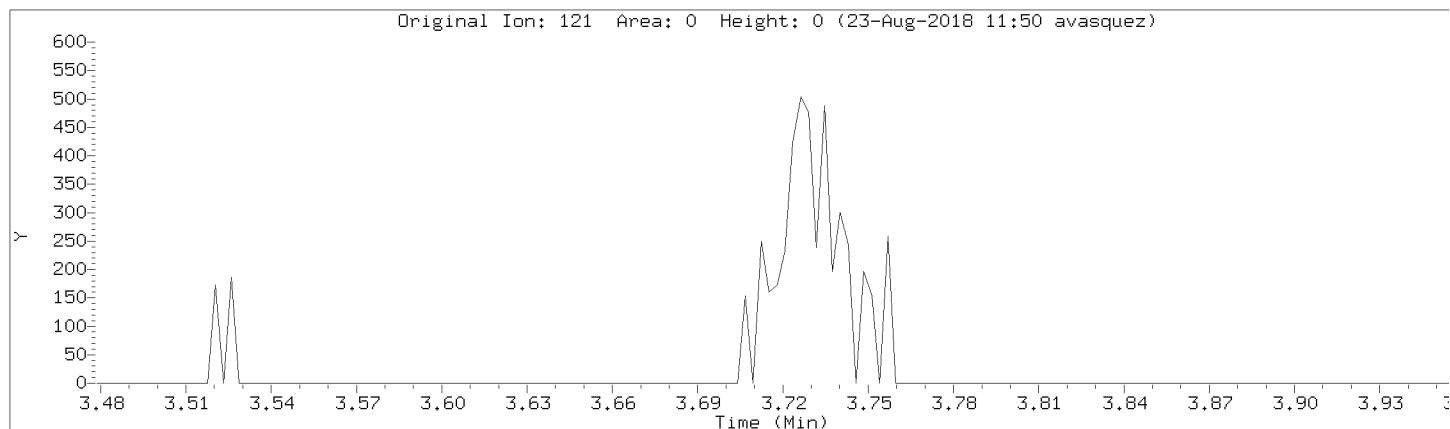


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

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

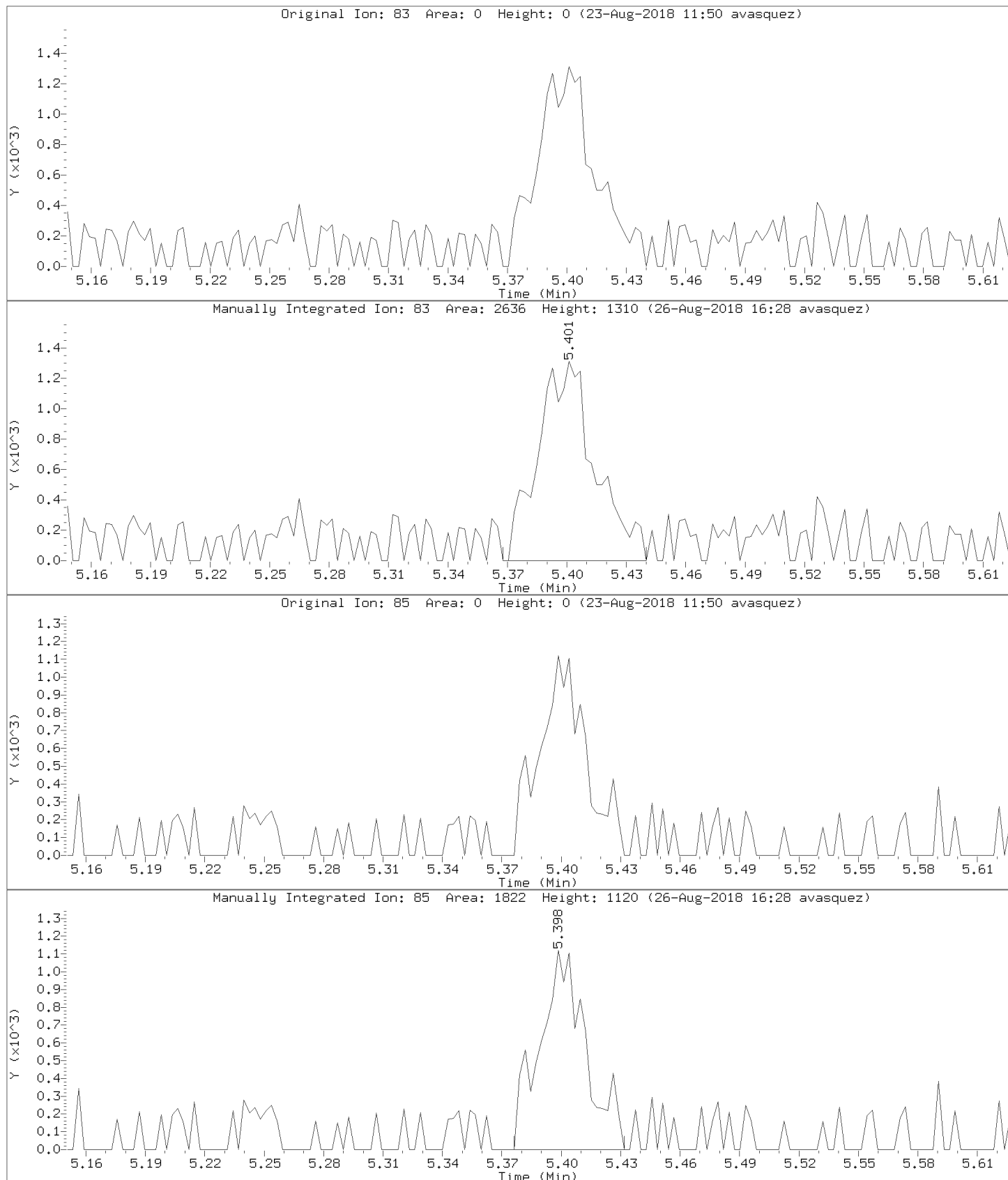


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Lab Sample ID: 8260-CAL2

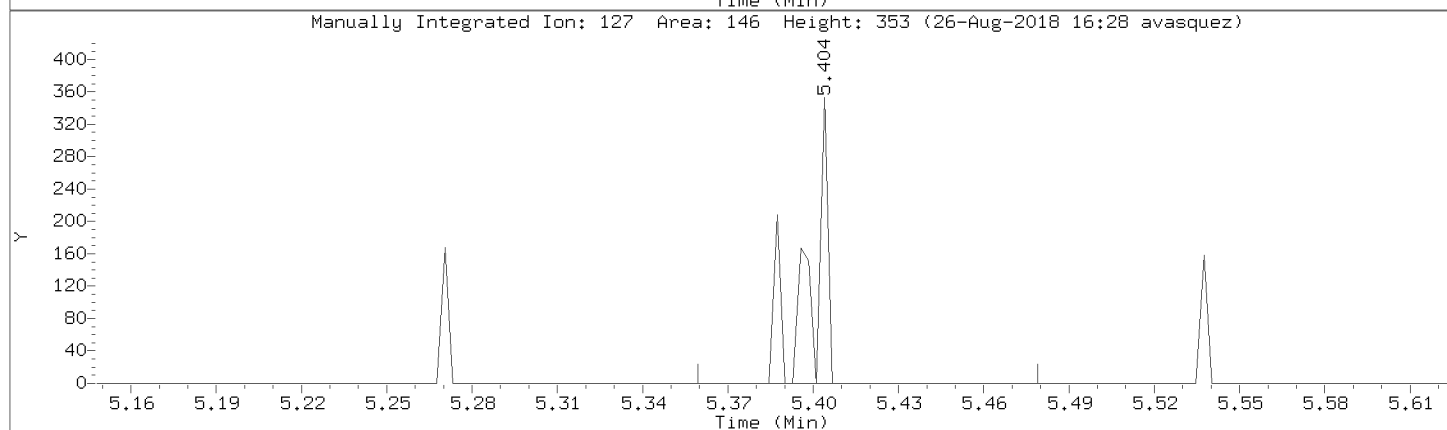
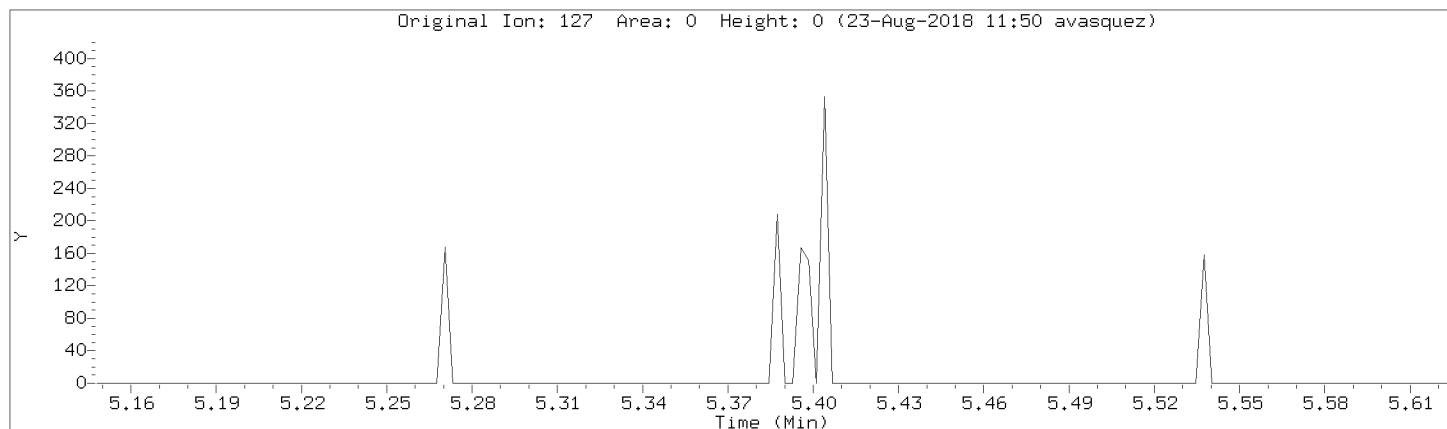


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

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

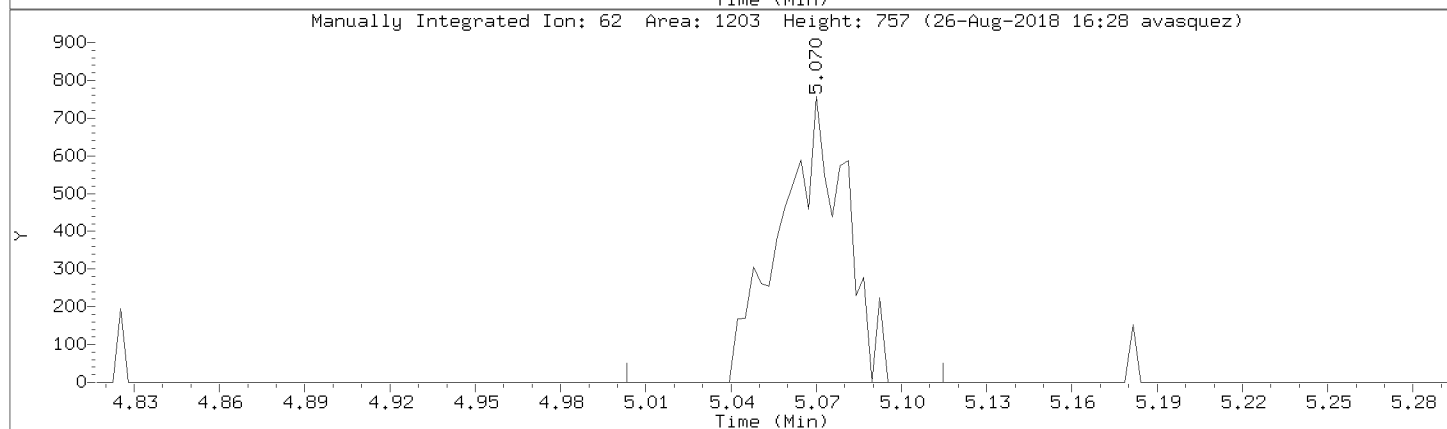
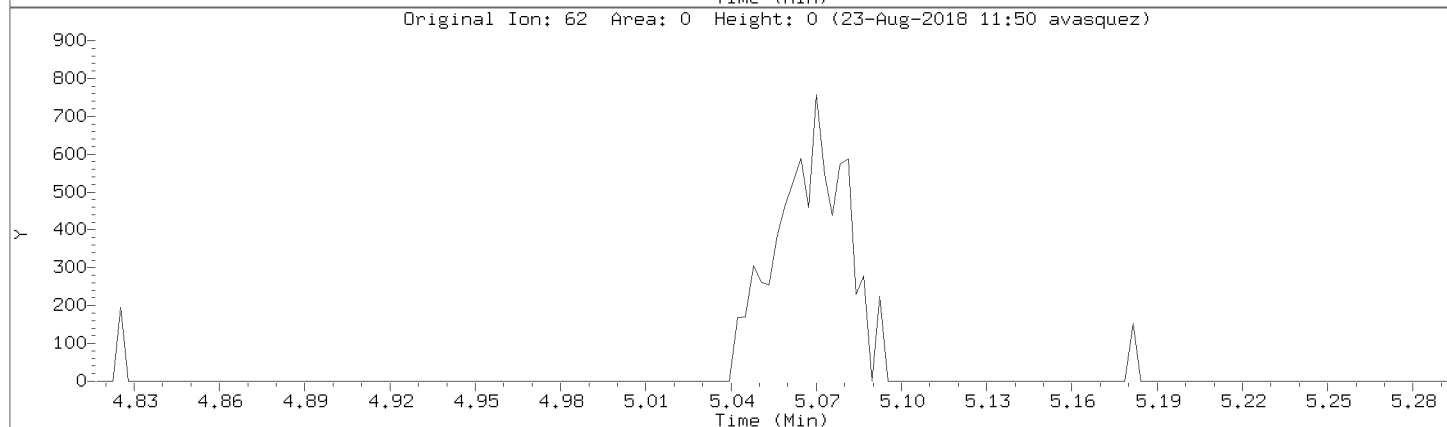
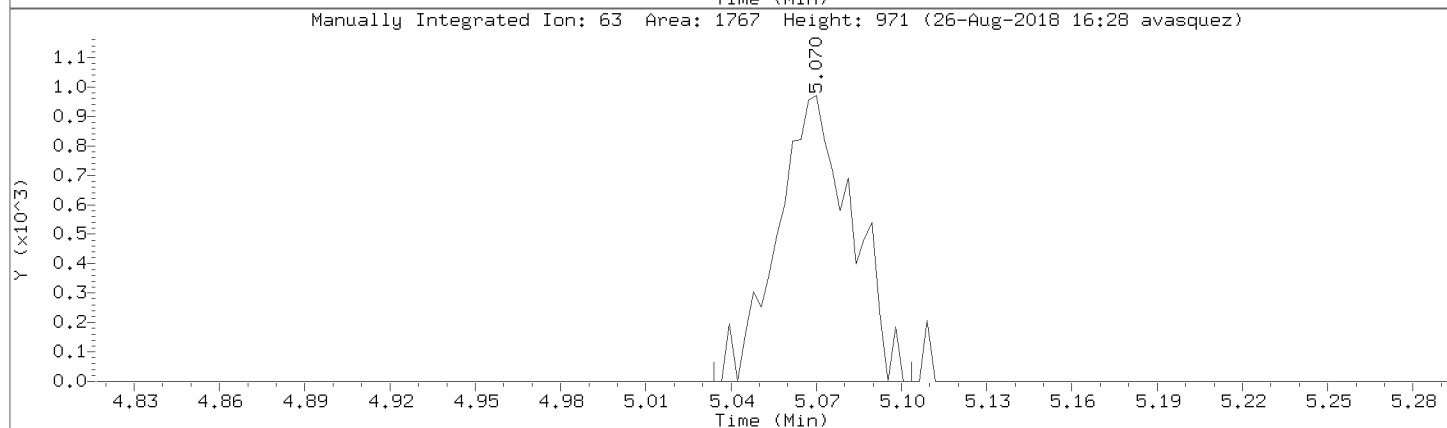
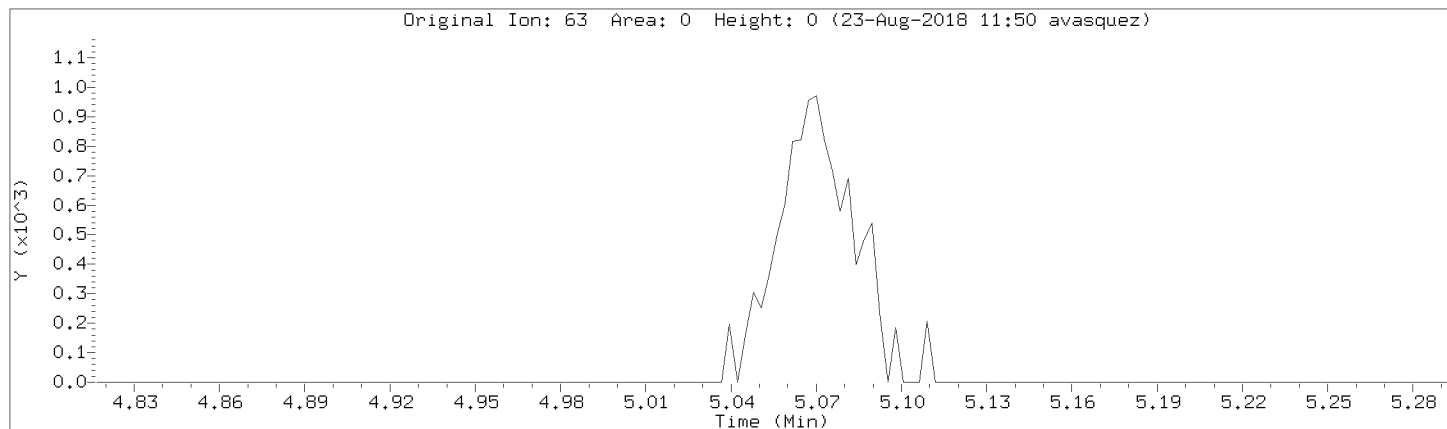


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

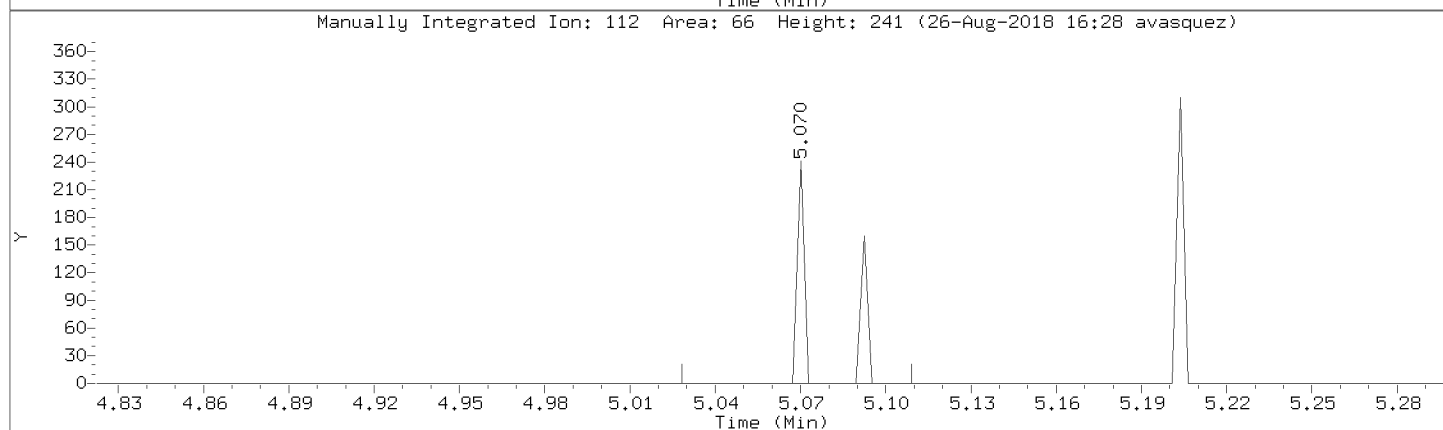
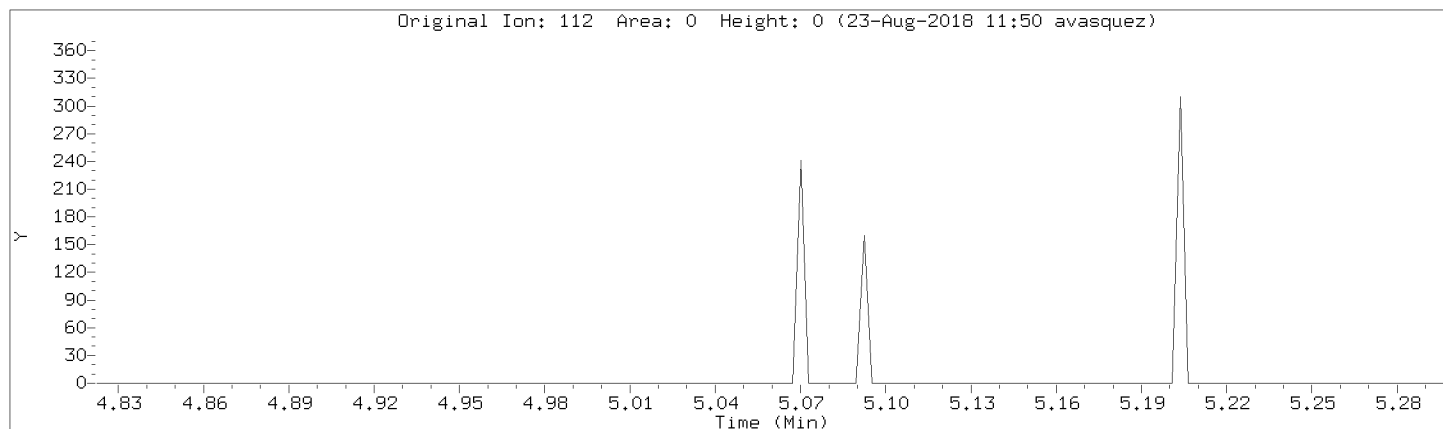


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: 1,2-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

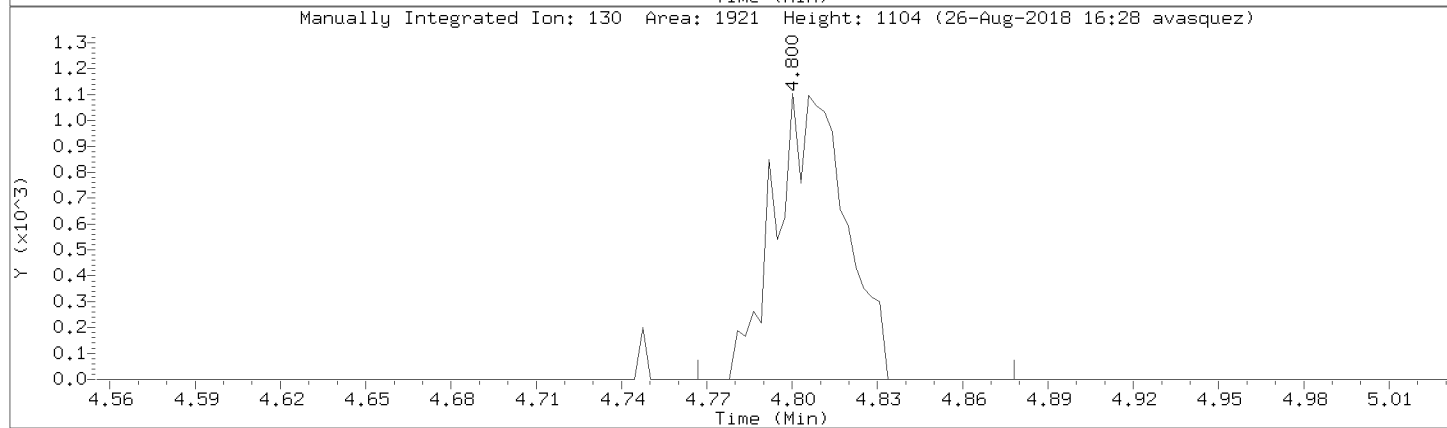
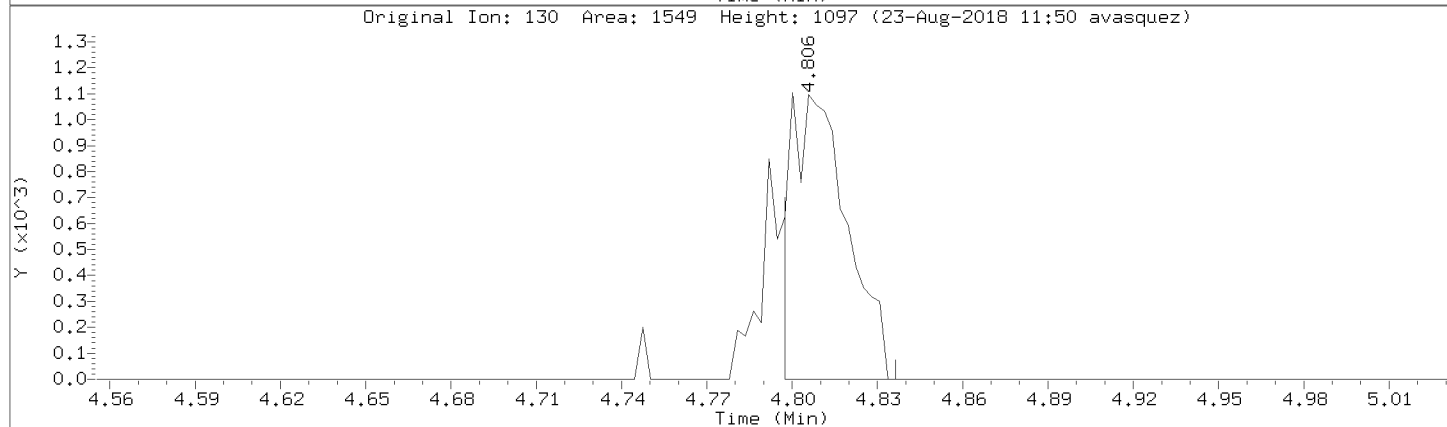
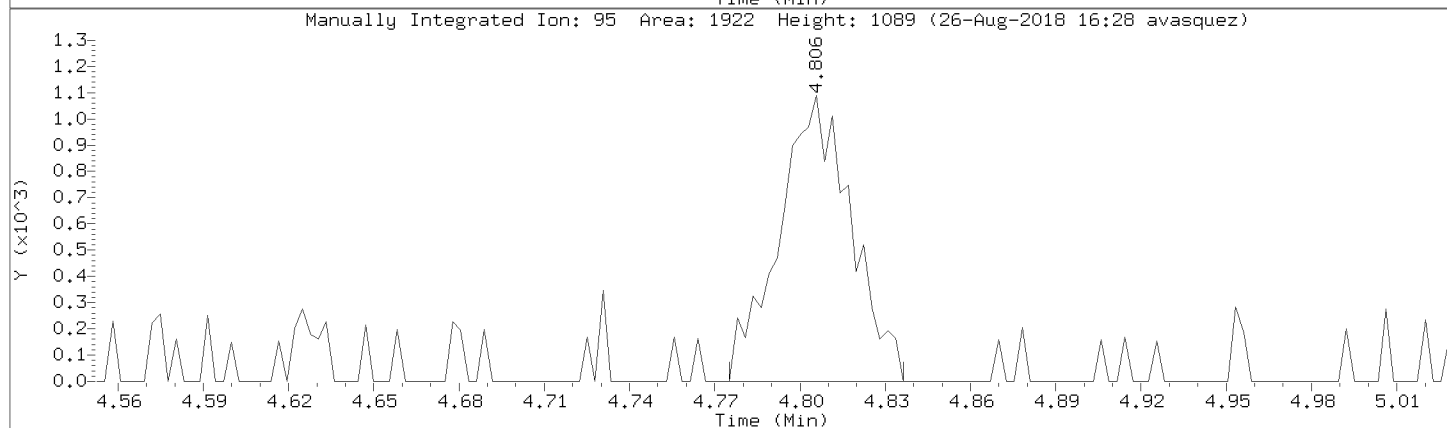
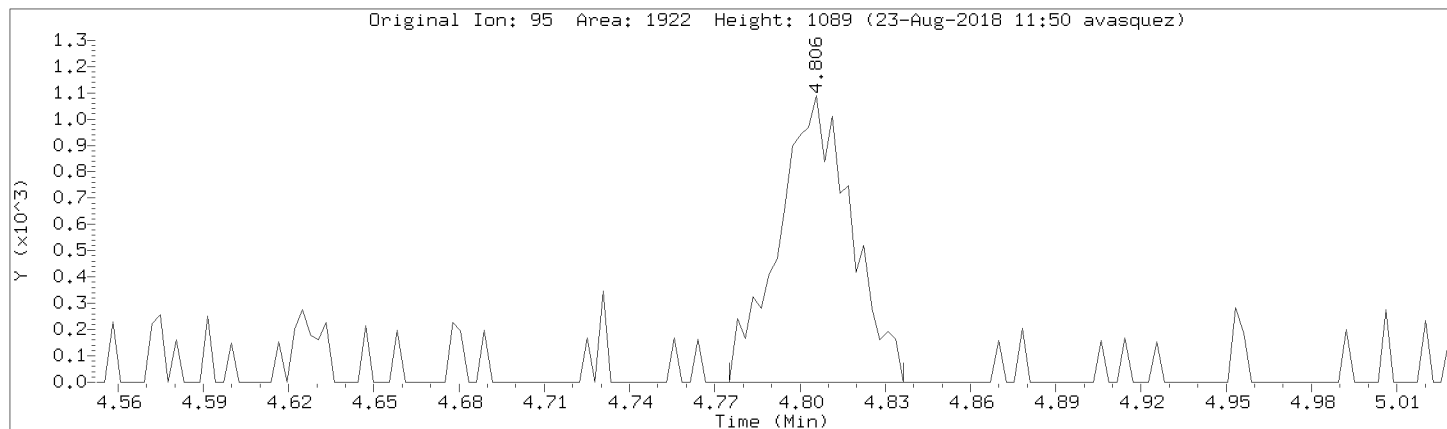
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: Trichloroethene

Review Code: LT

CAS Number: 79-01-6

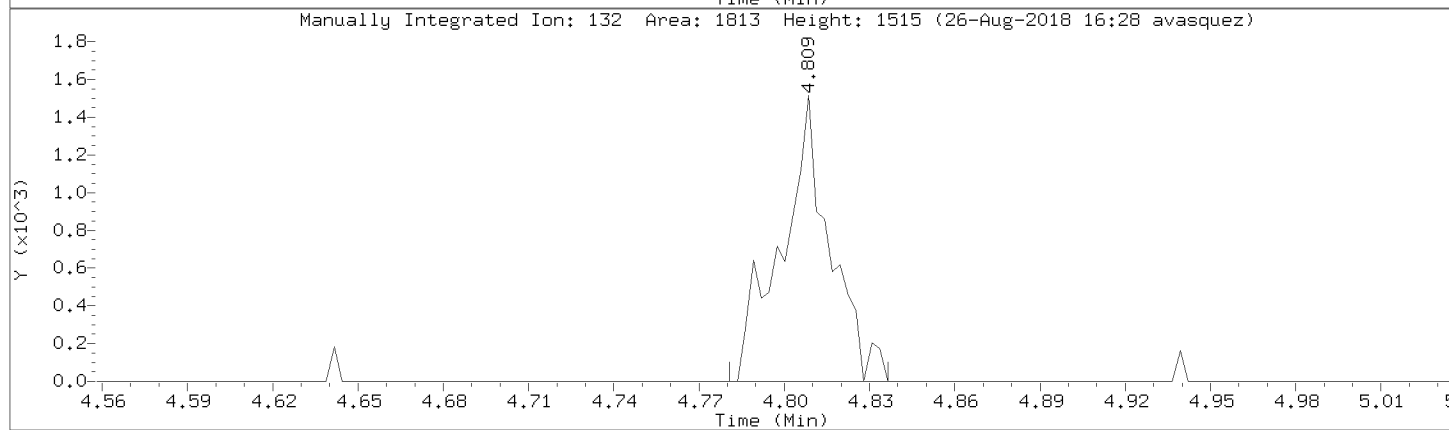
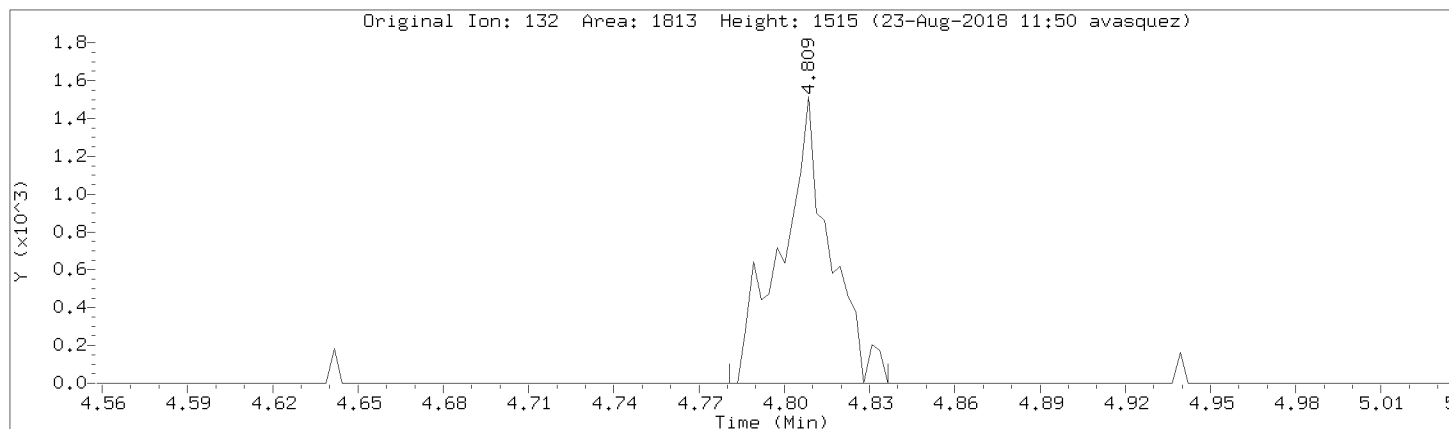


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Injection Date: 22-AUG-2018 14:52

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2



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Injection Date: 22-AUG-2018 14:52

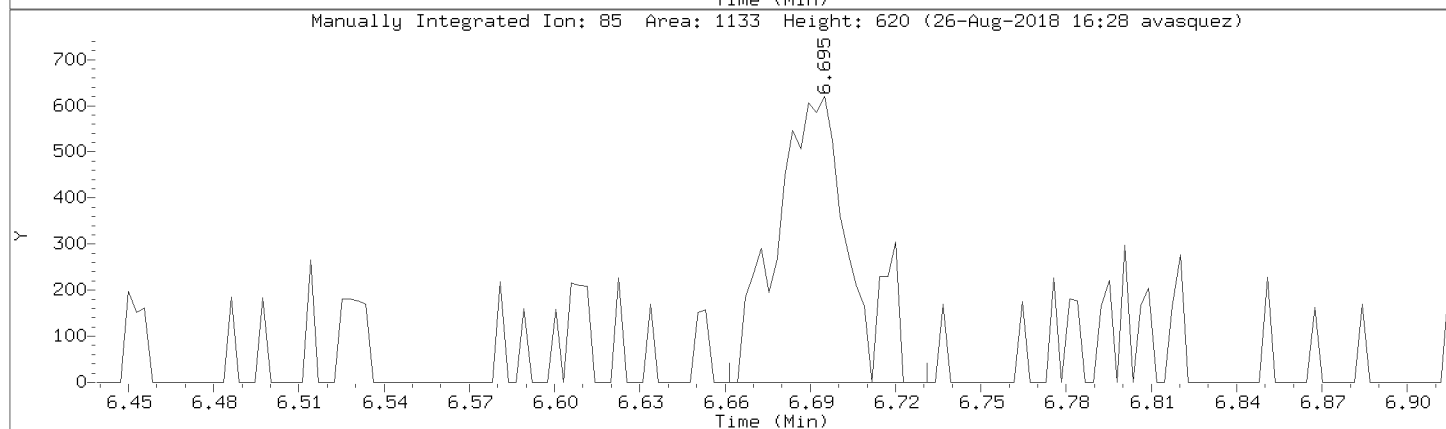
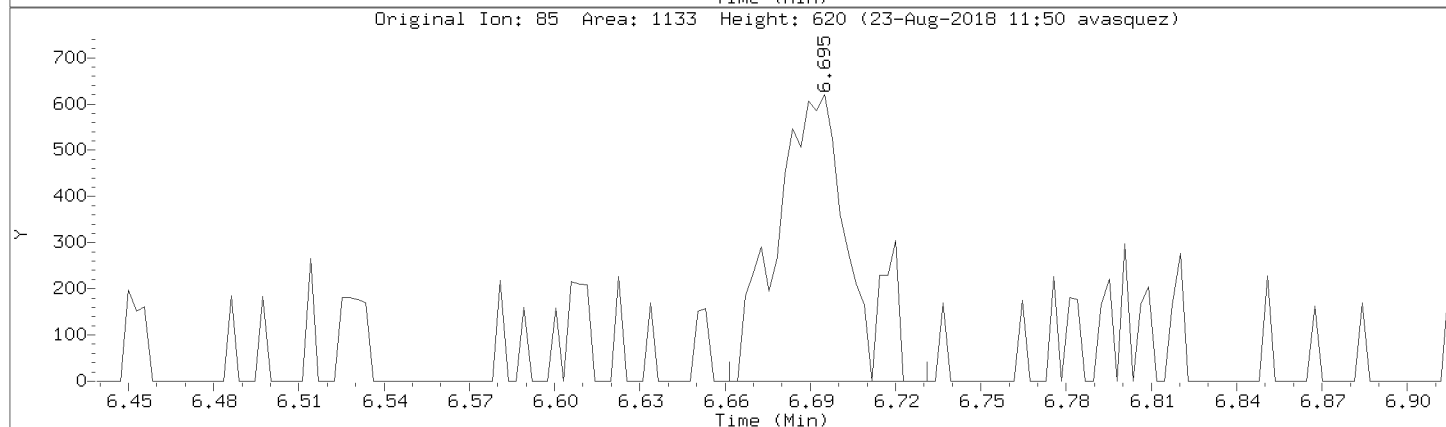
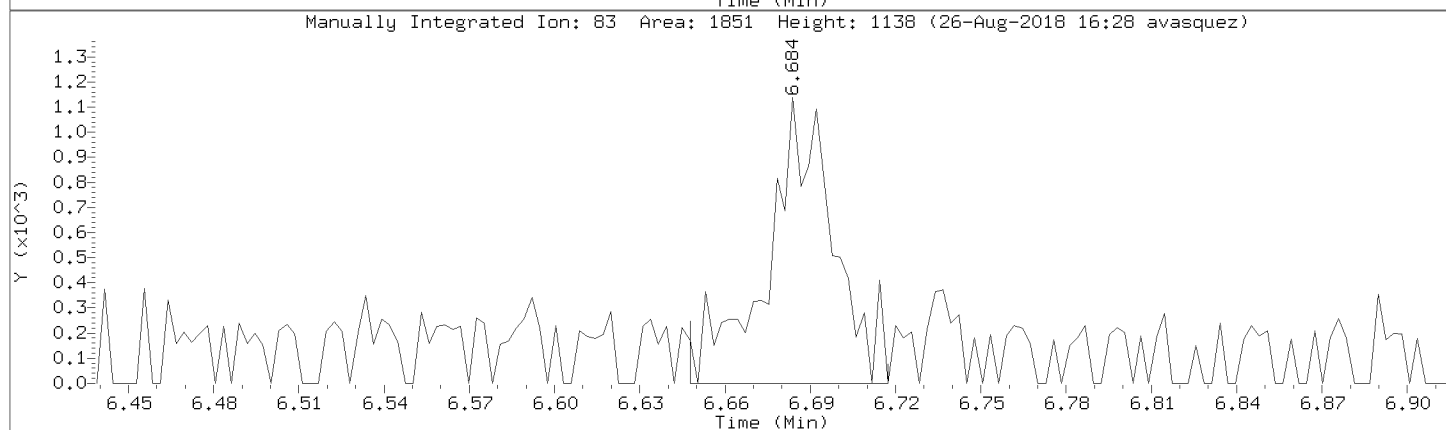
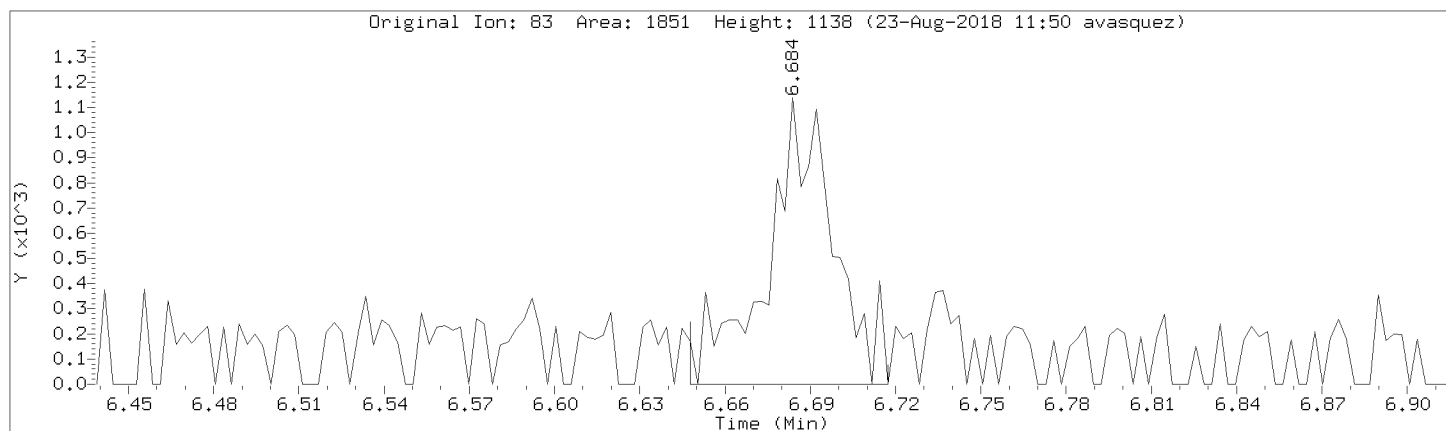
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

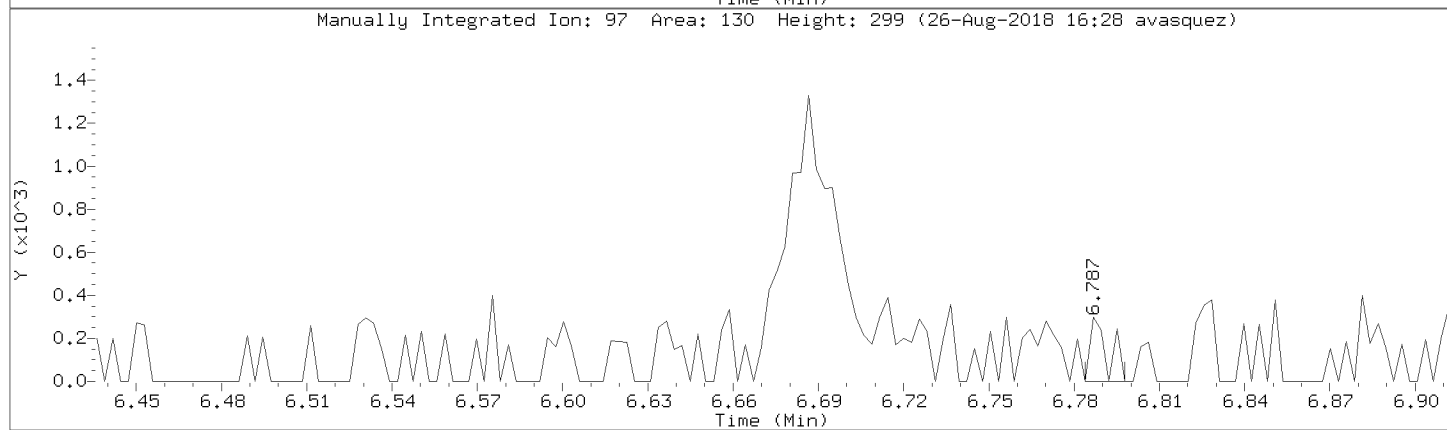
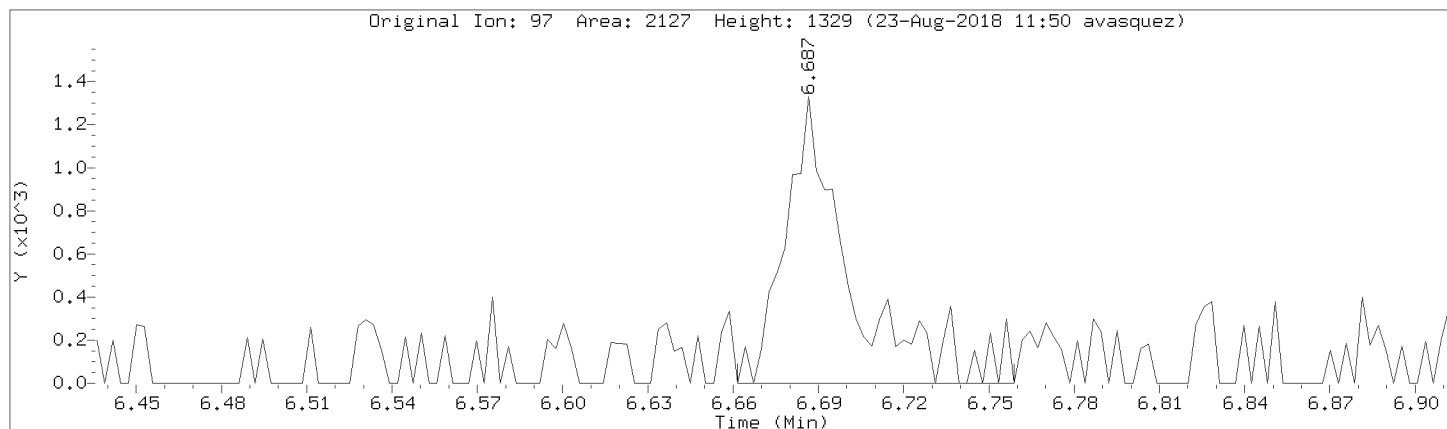
Compound: 1,1,2-Trichloroethane

Review Code: WP

CAS Number: 79-00-5

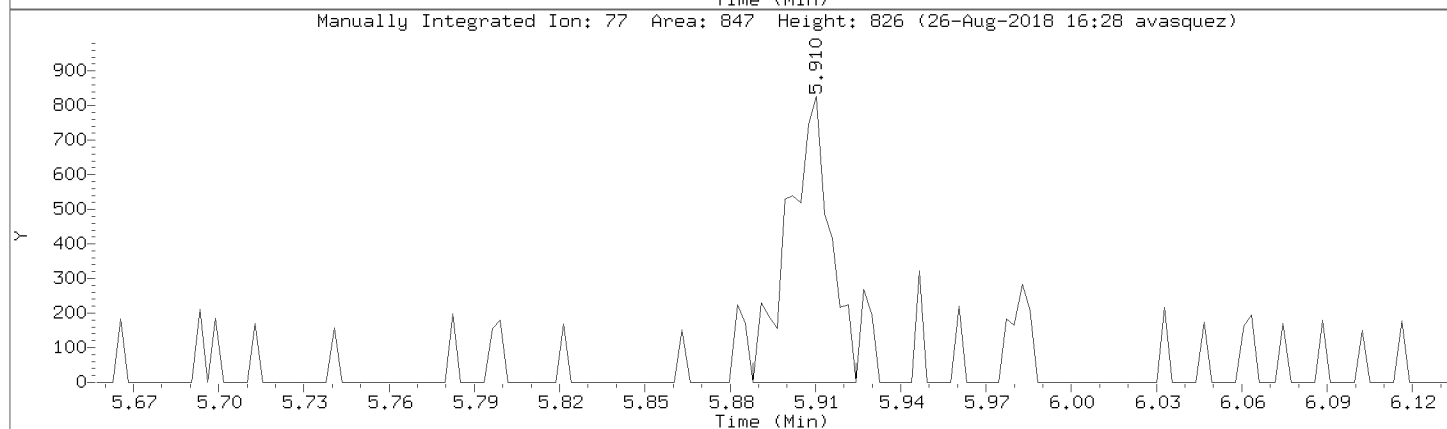
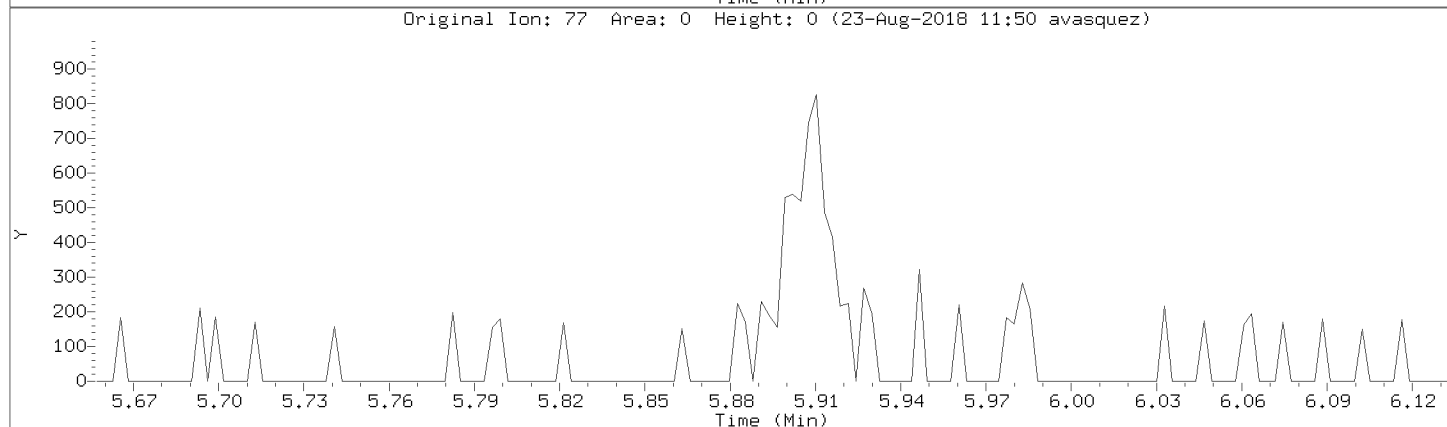
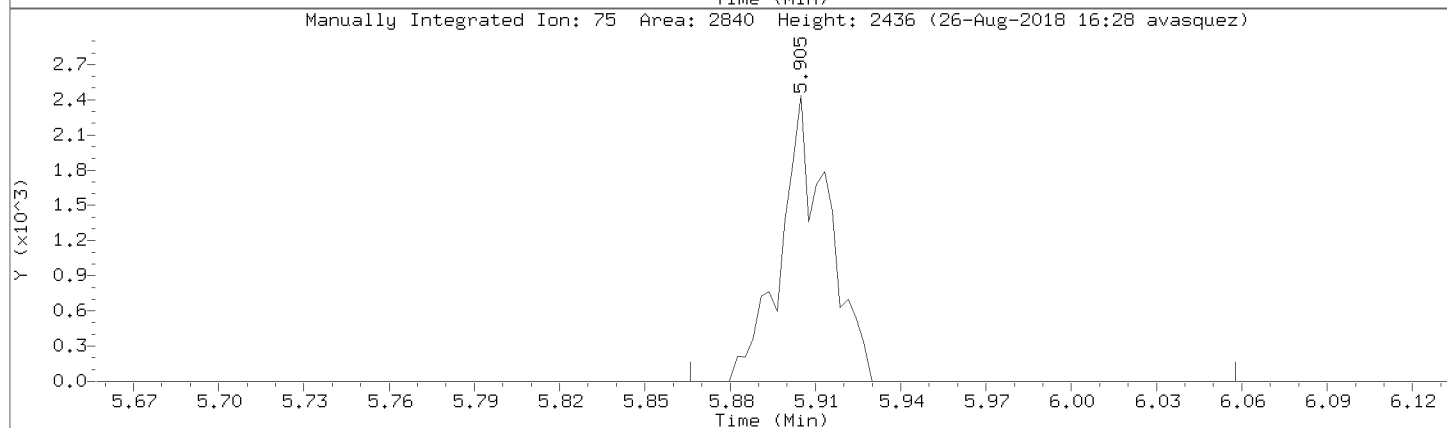
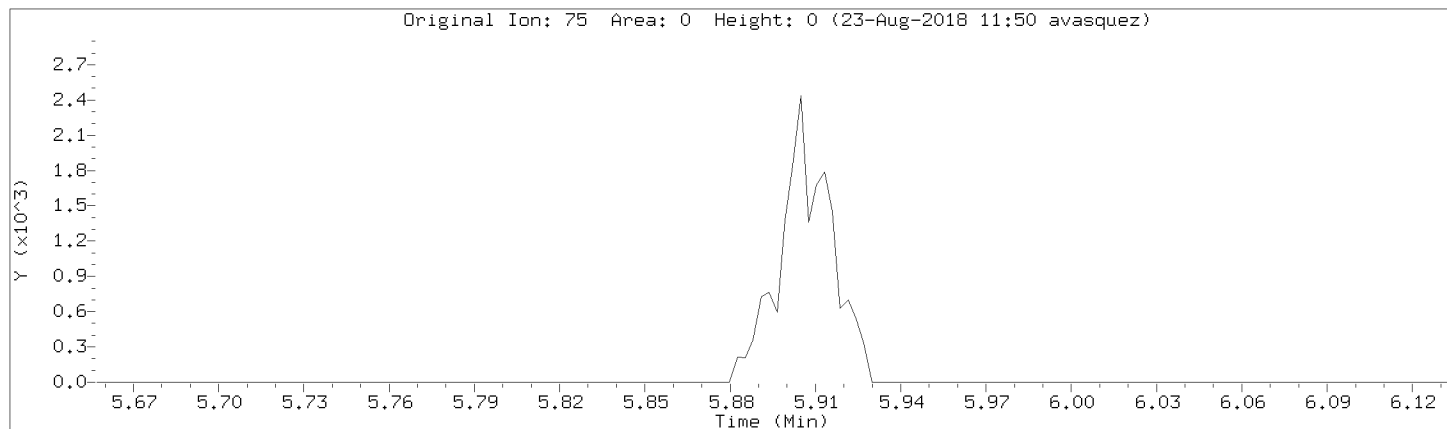


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



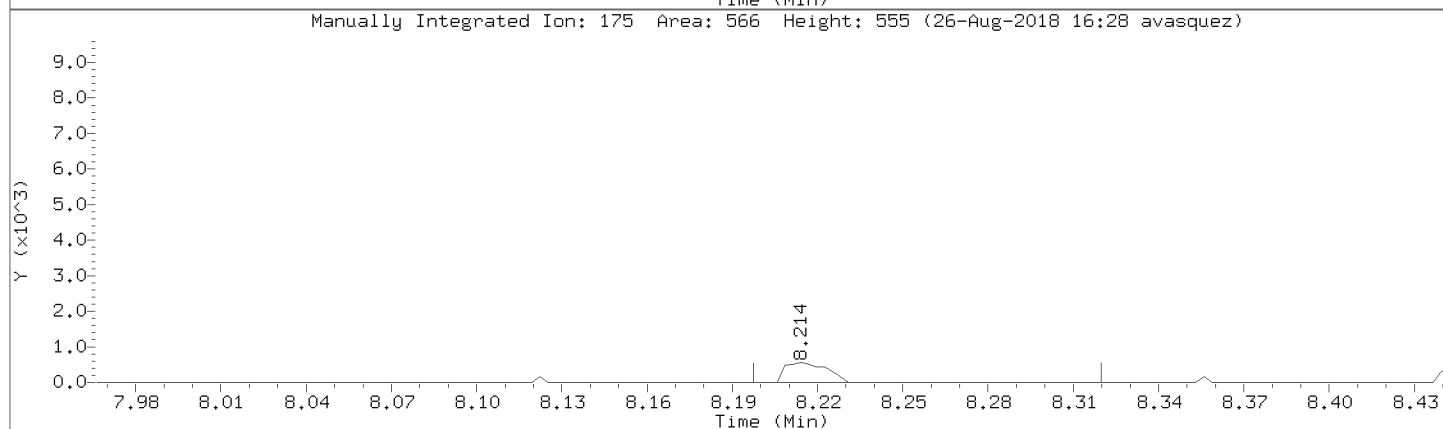
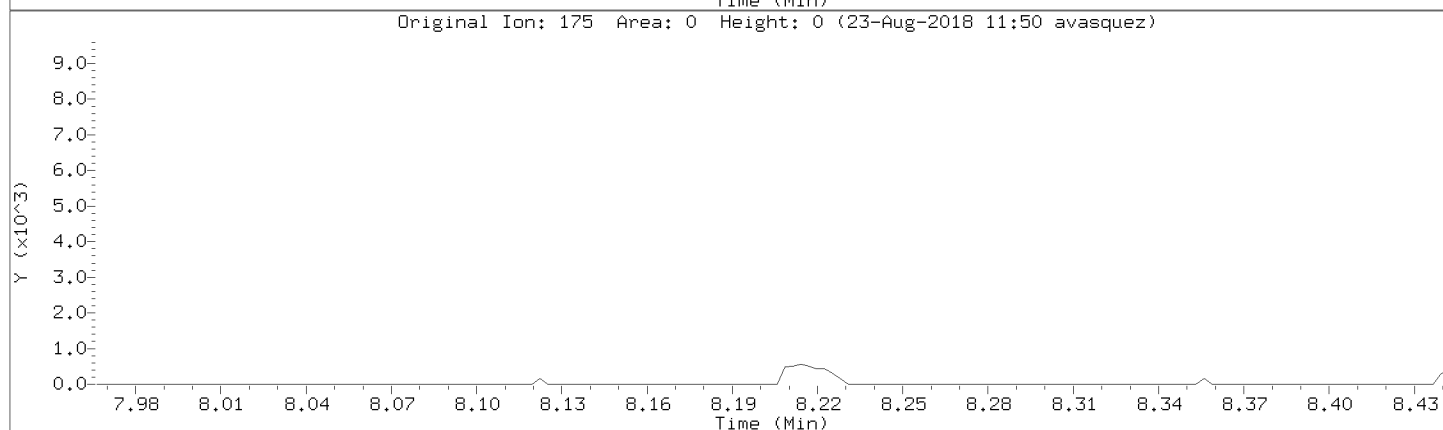
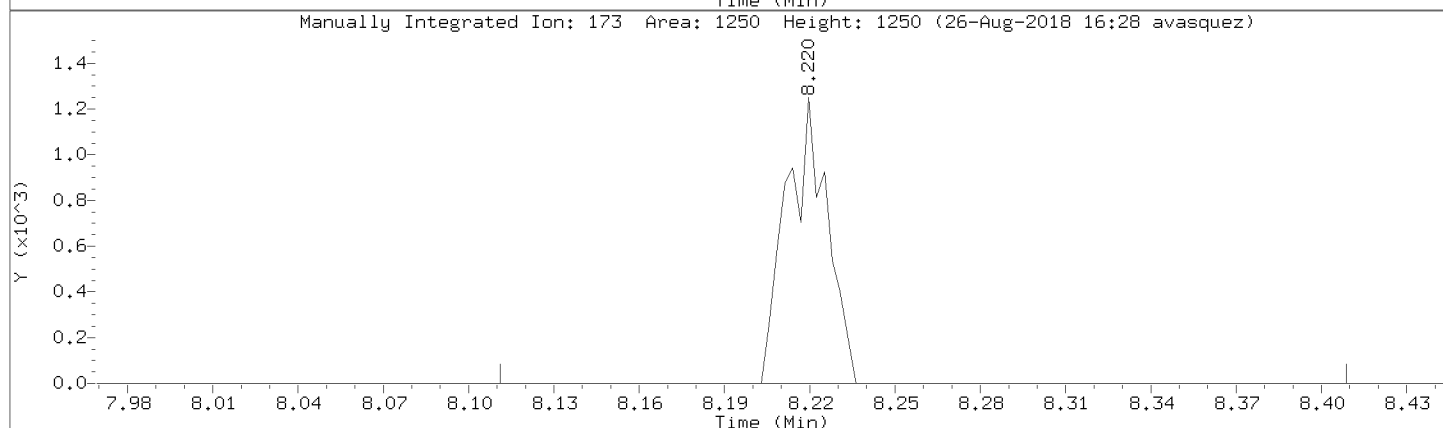
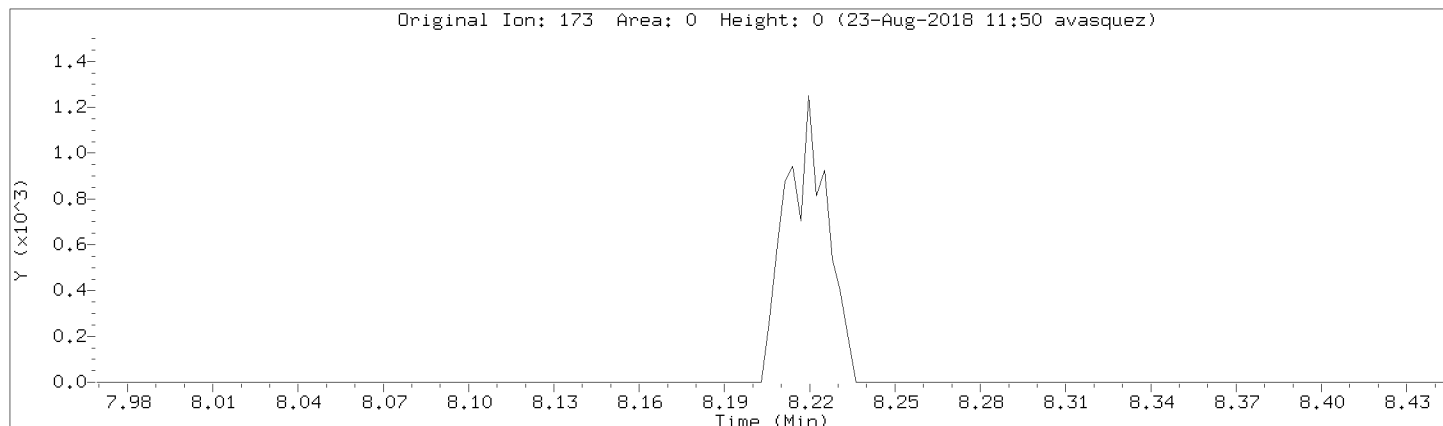
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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: cis-1,3-Dichloropropene Review Code: NI
CAS Number: 10061-01-5

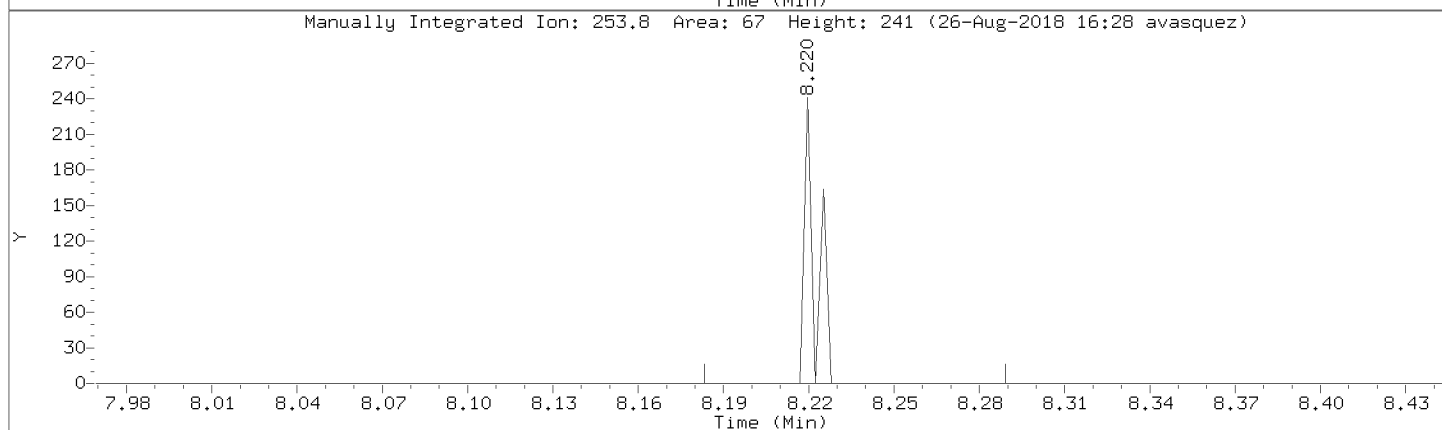
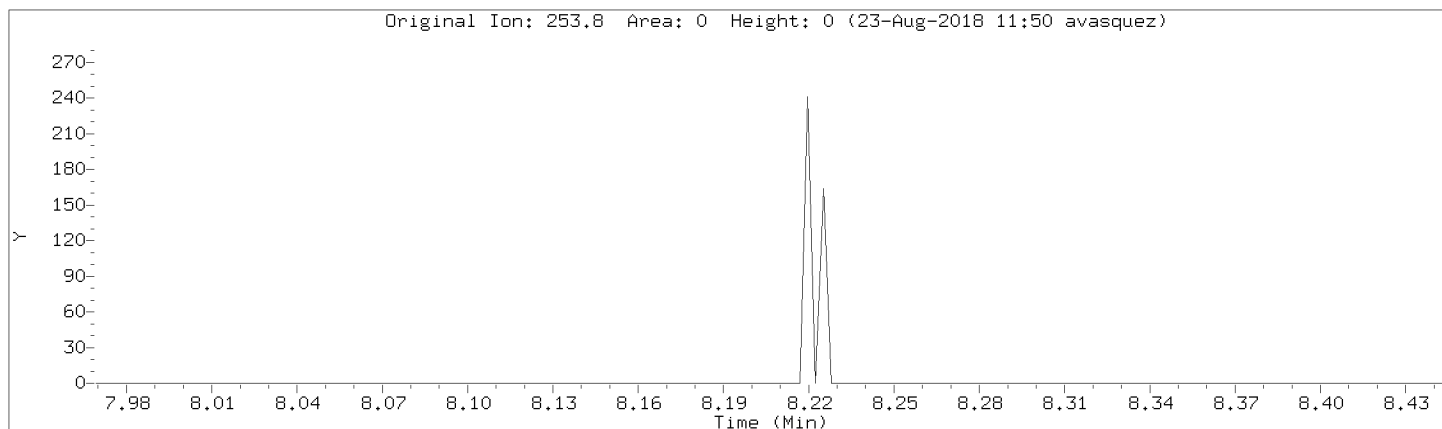


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

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

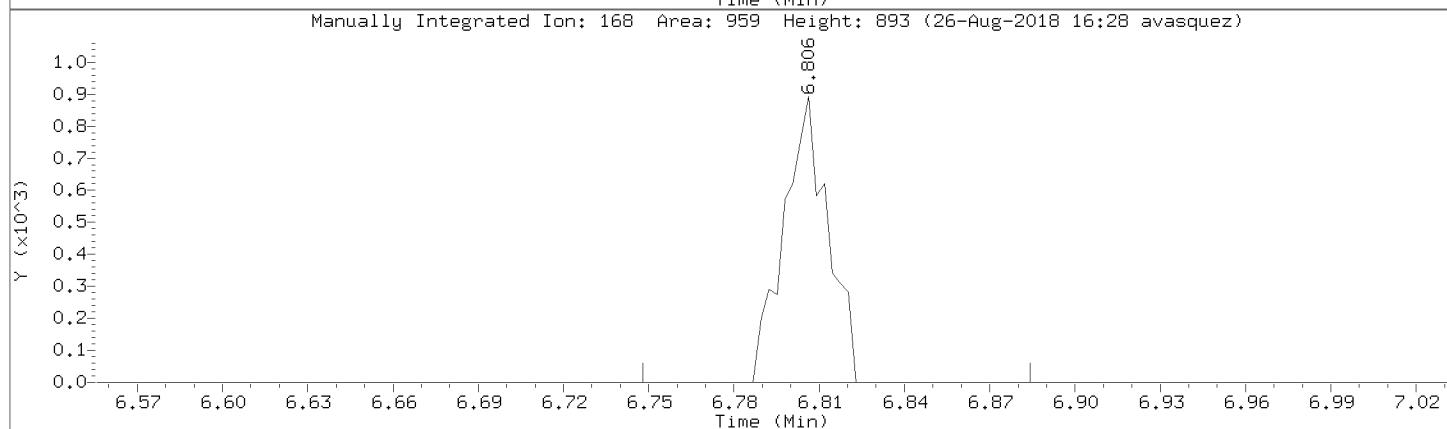
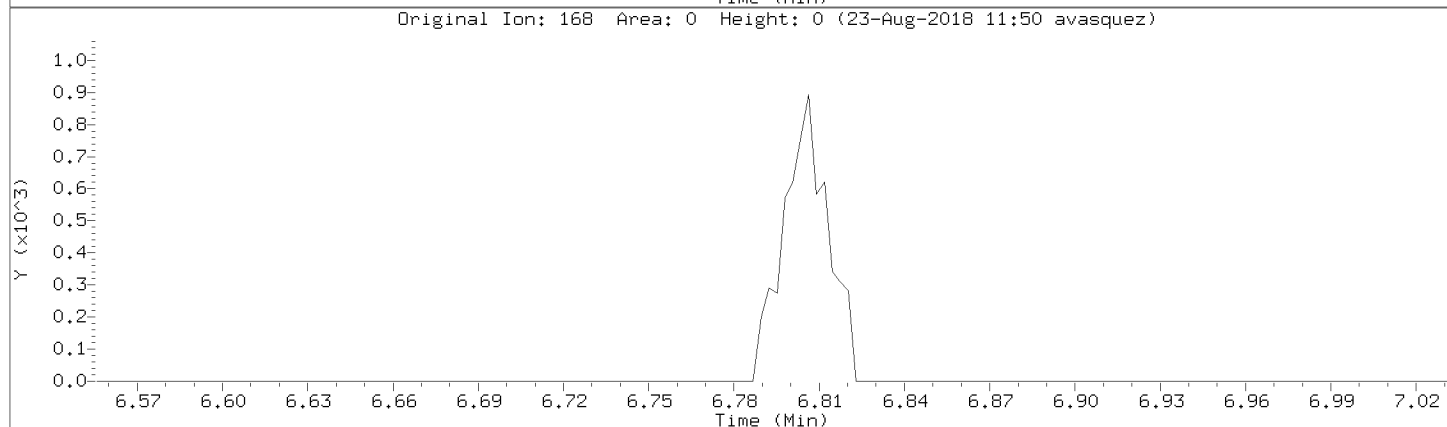
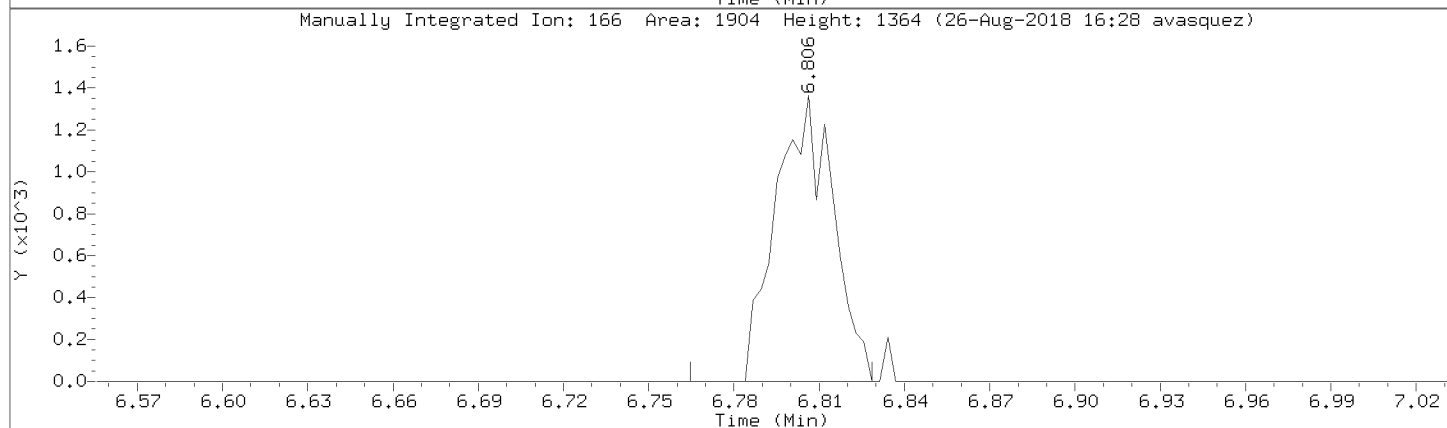
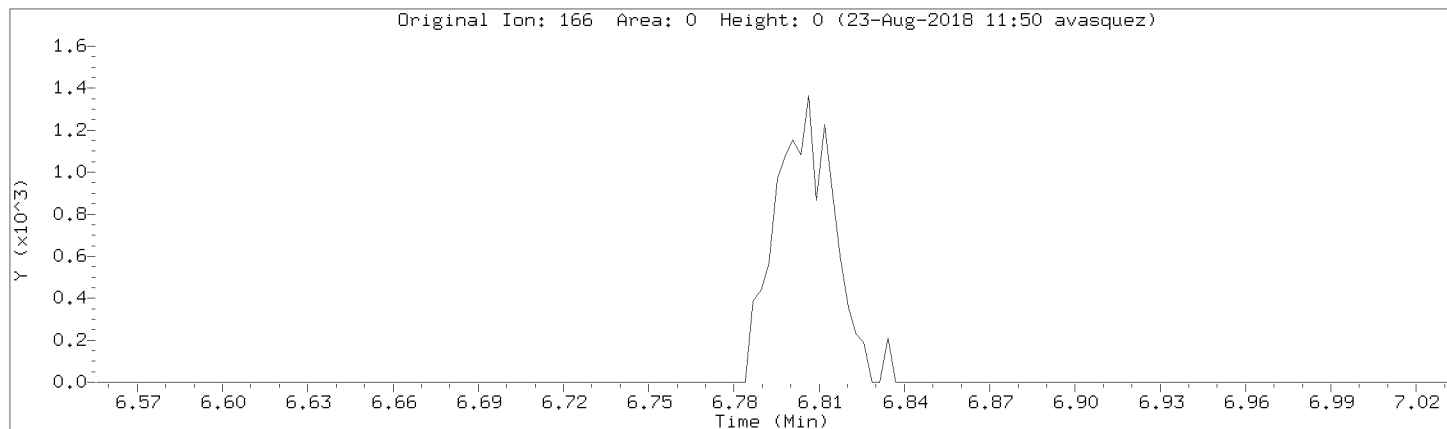


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

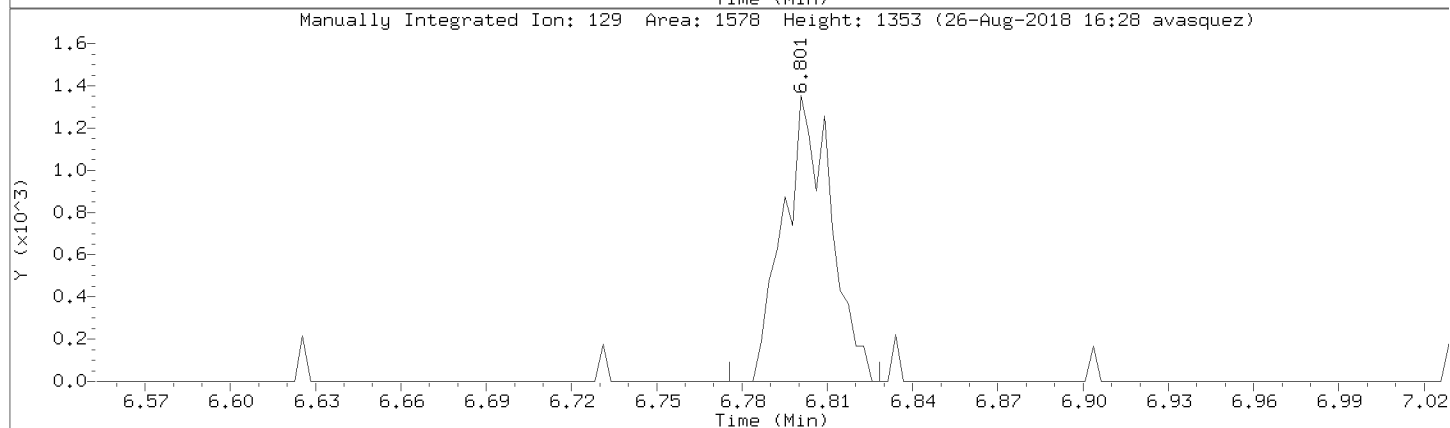
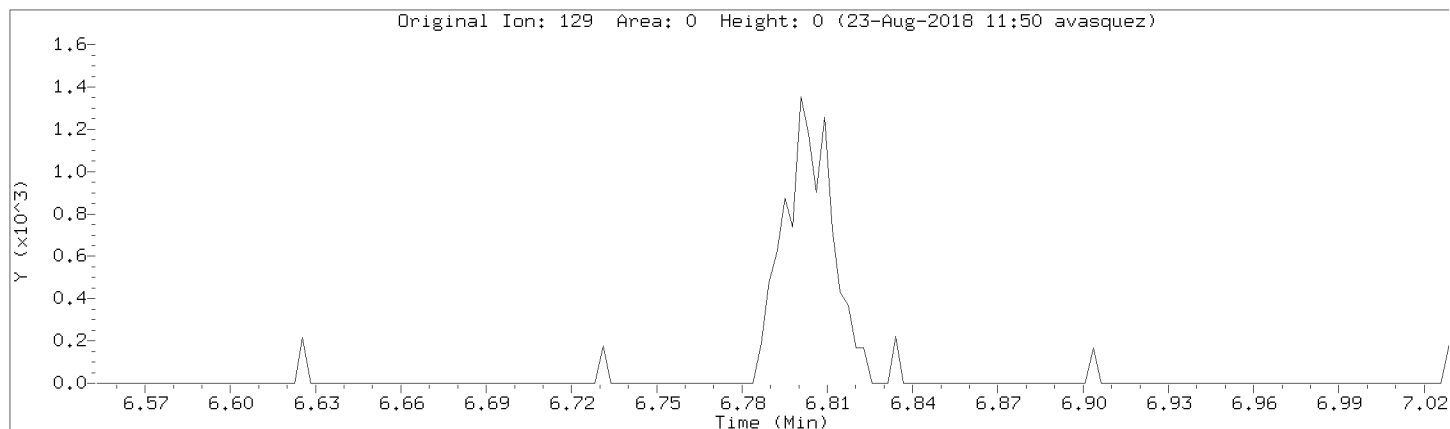


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

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

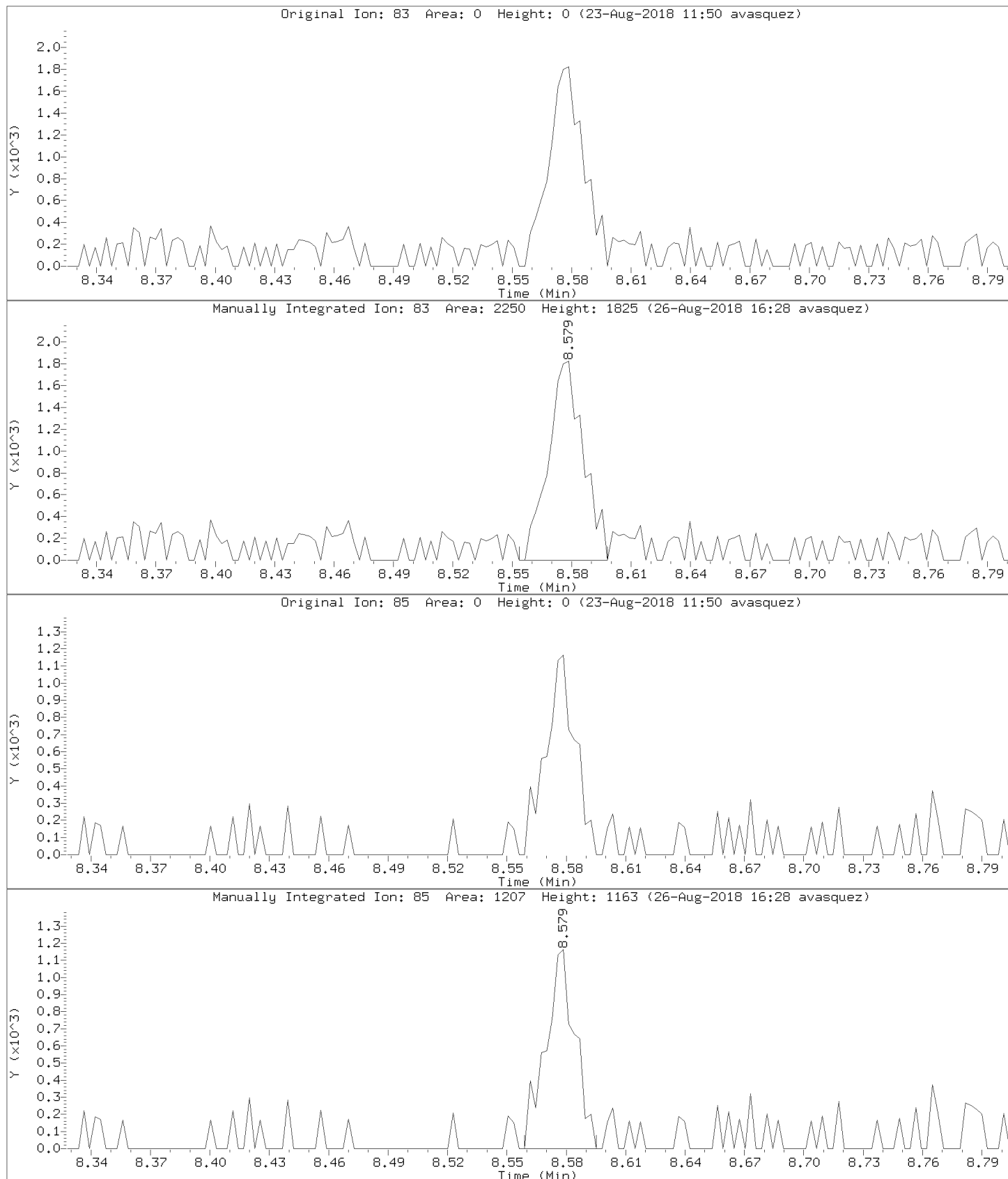
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

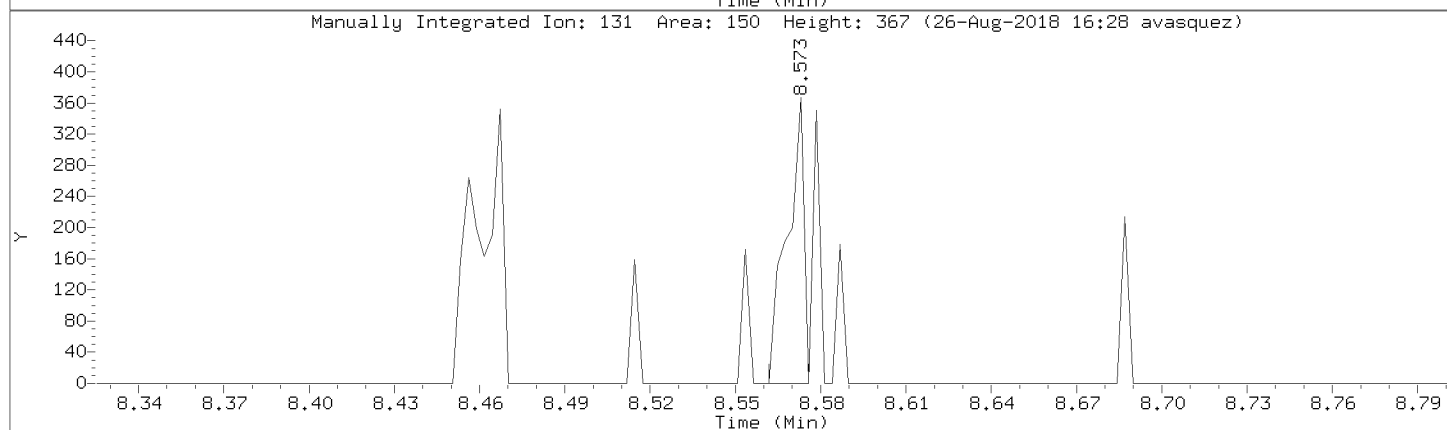
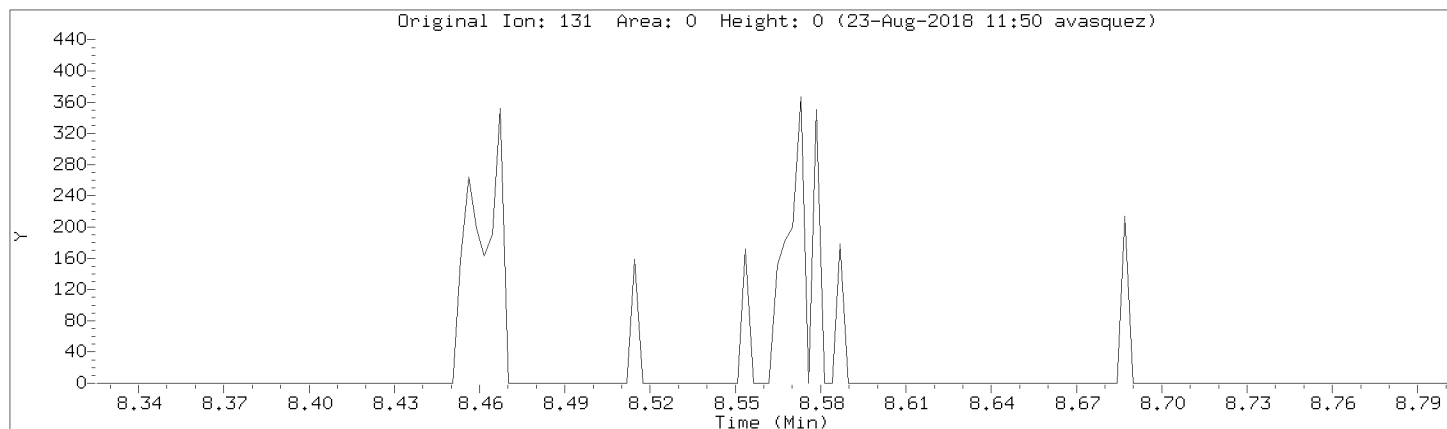
Compound: 1,1,2,2-Tetrachloroethane

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



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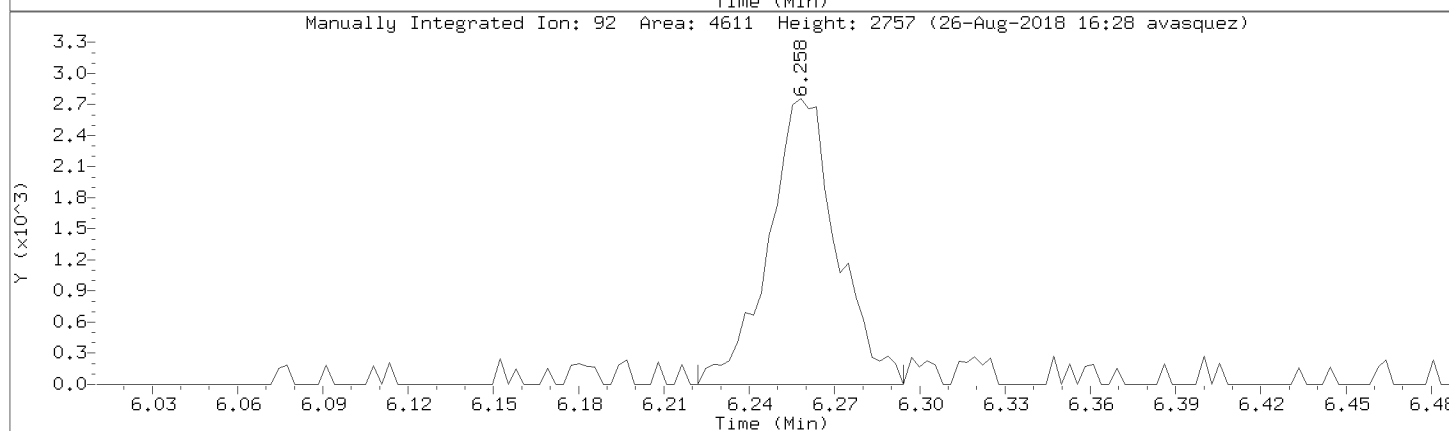
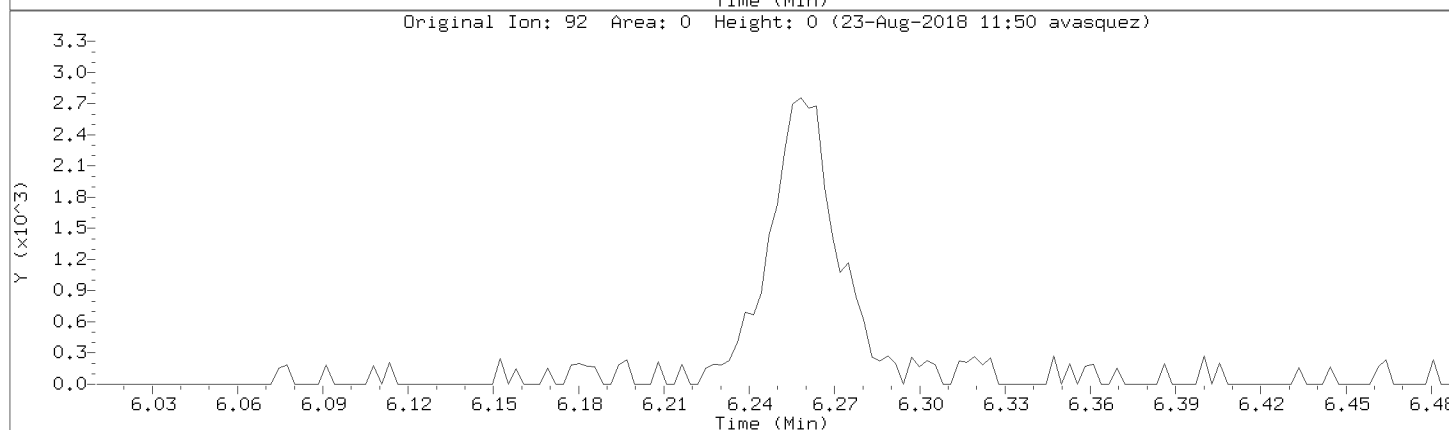
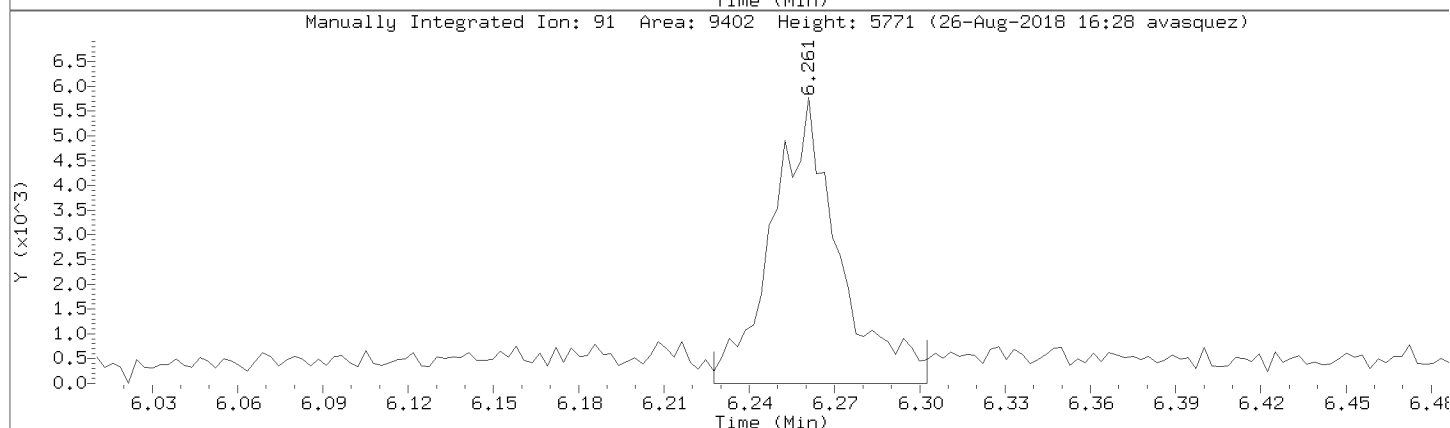
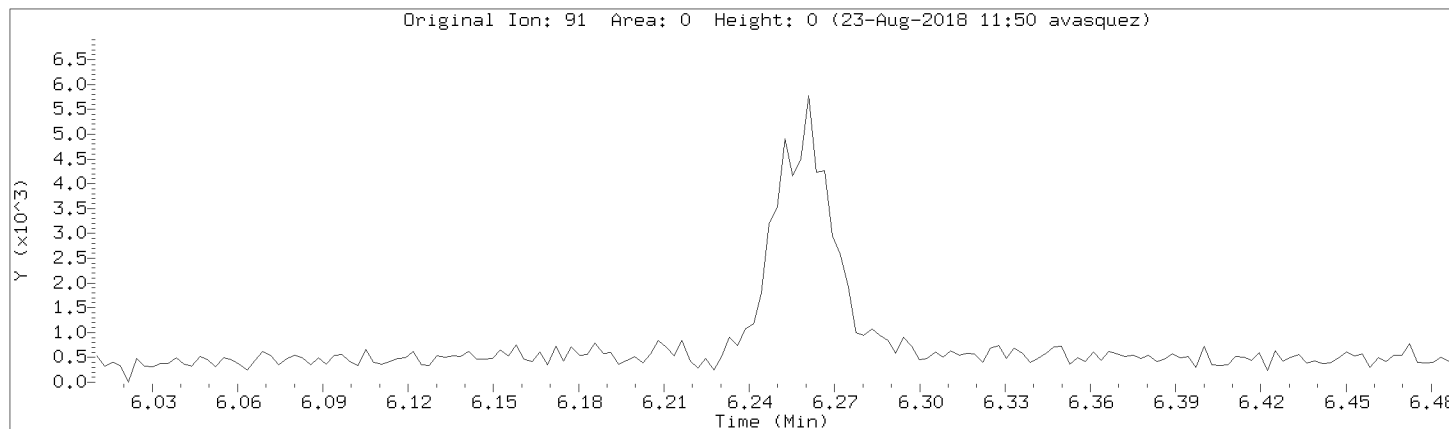
Injection Date: 22-AUG-2018 14:52

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

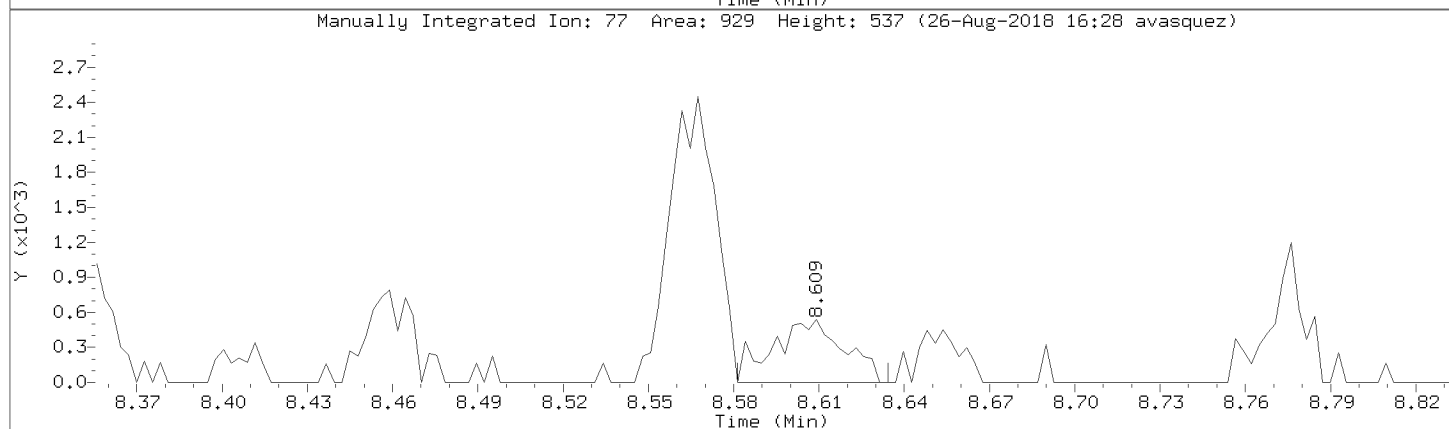
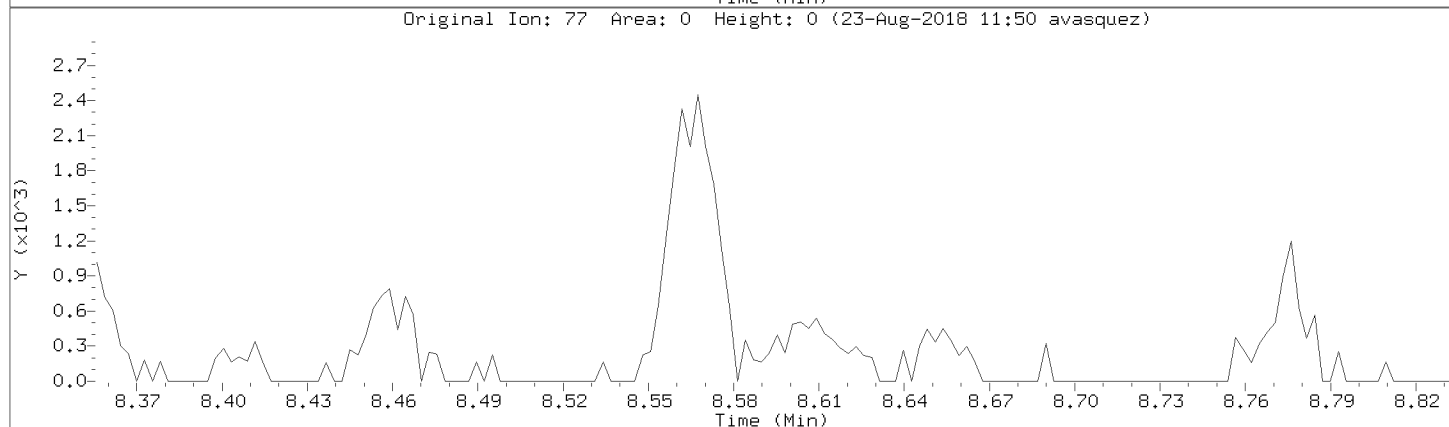
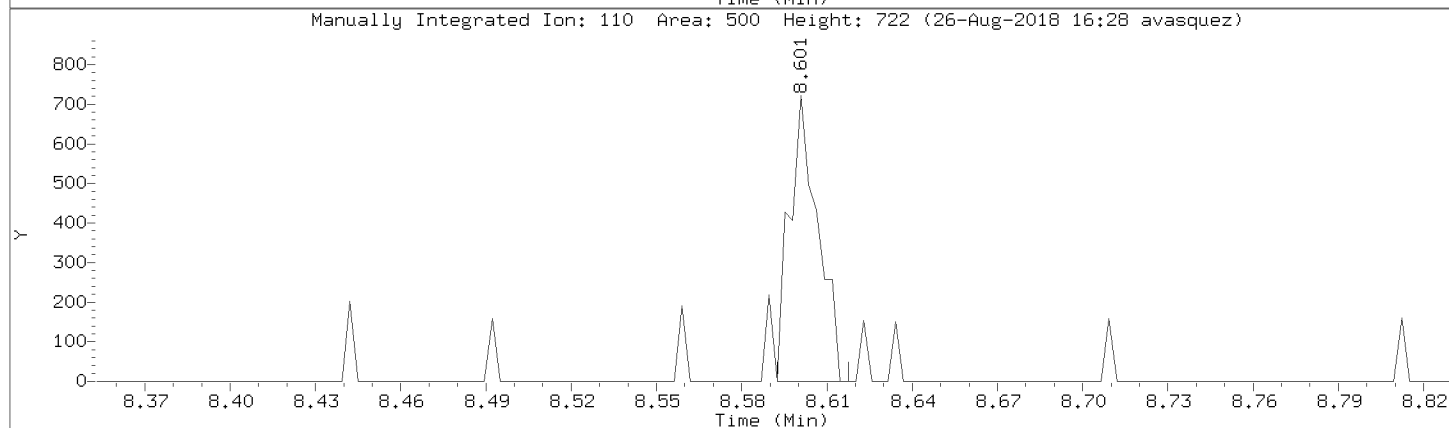
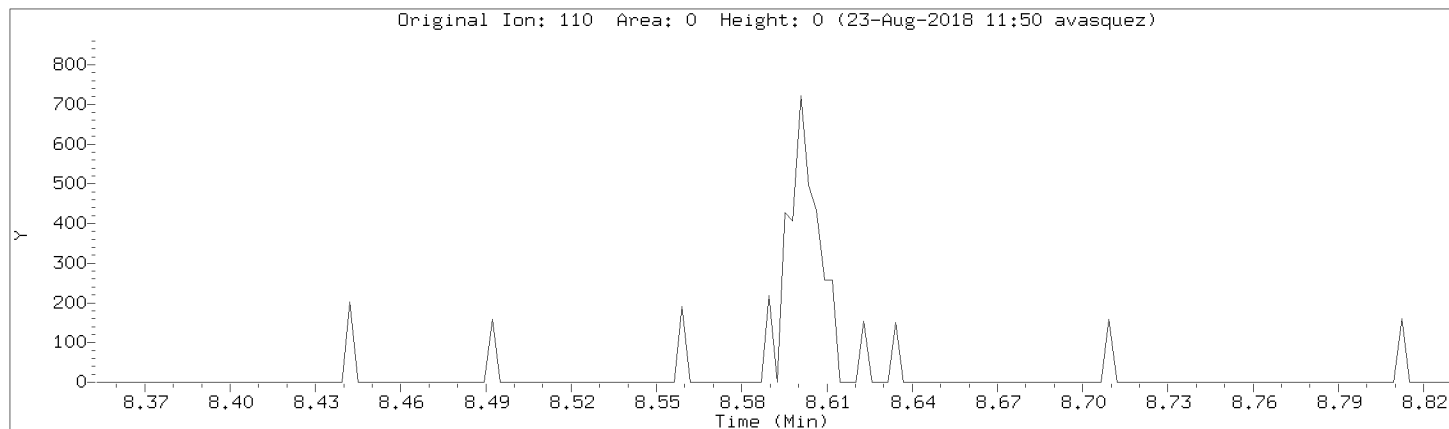
Compound: Toluene Review Code: NI

CAS Number: 108-88-3

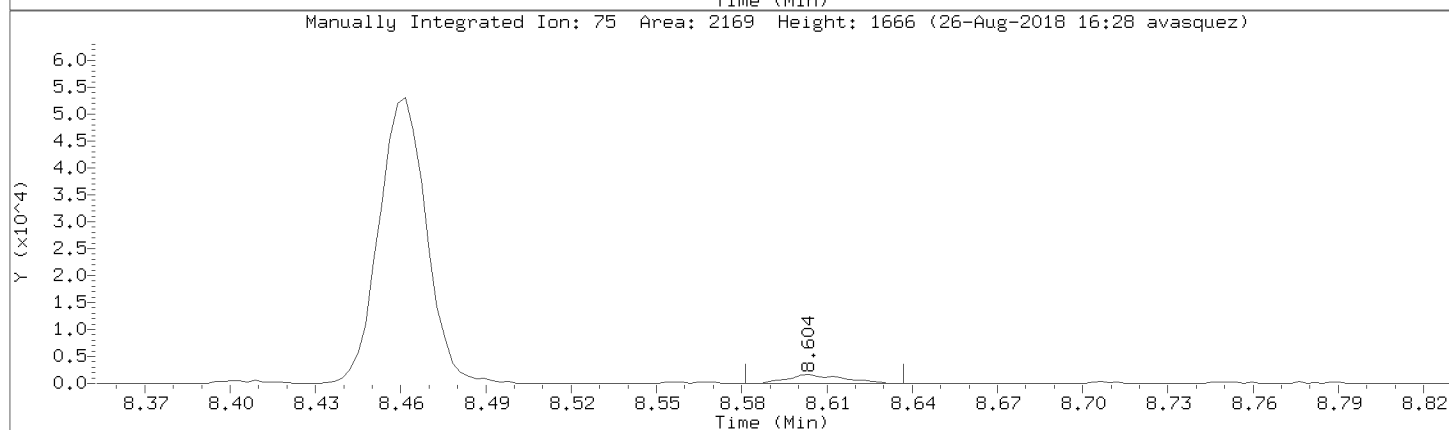
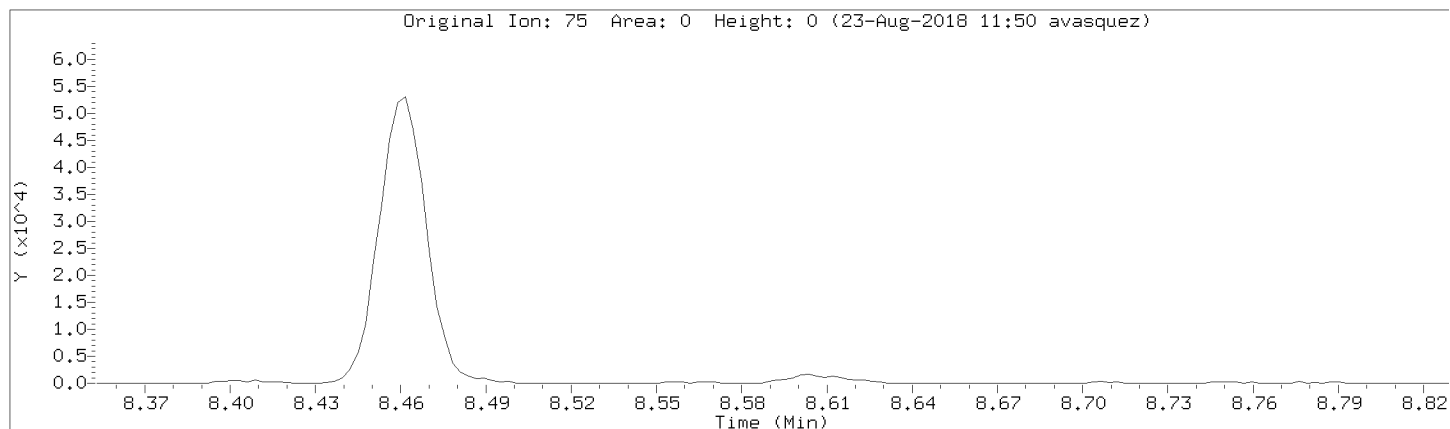


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d
Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

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

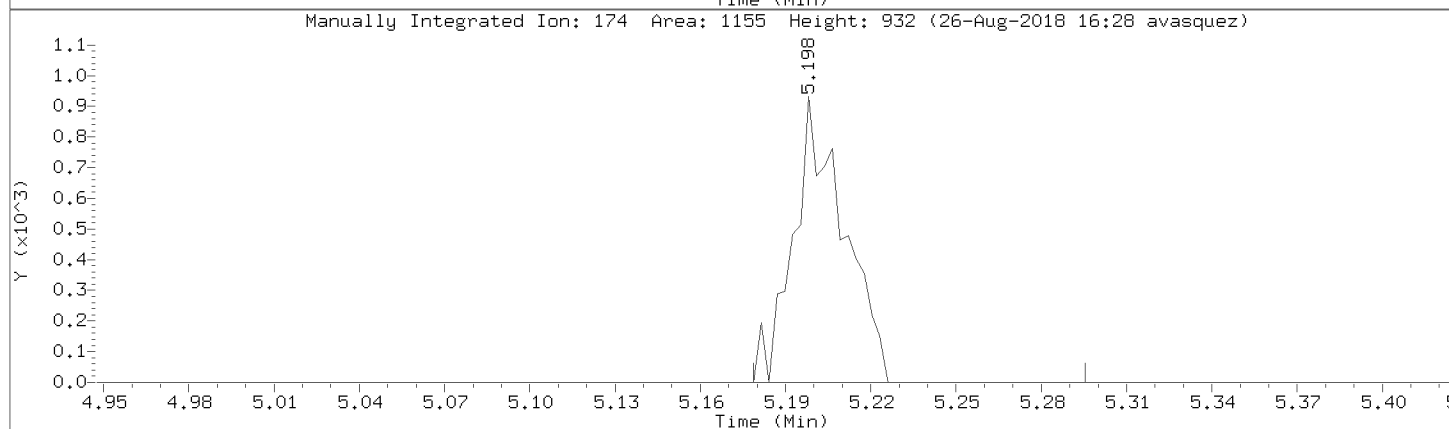
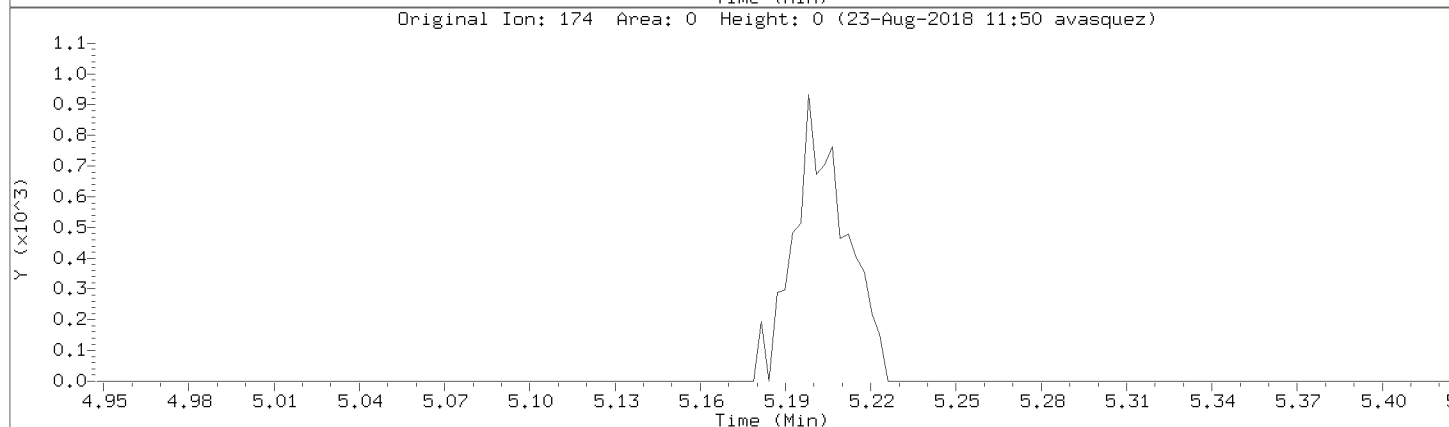
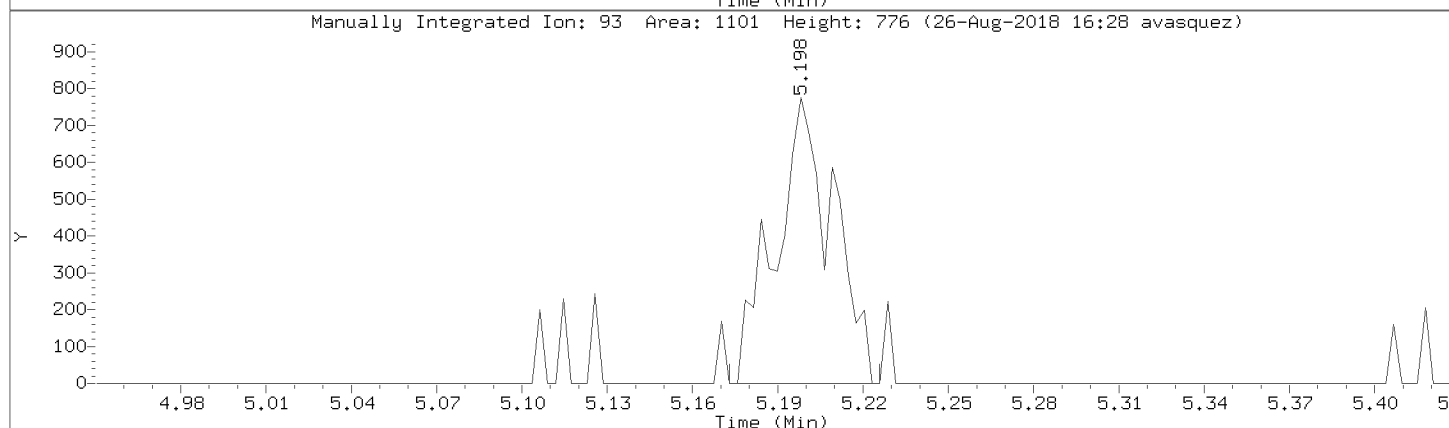
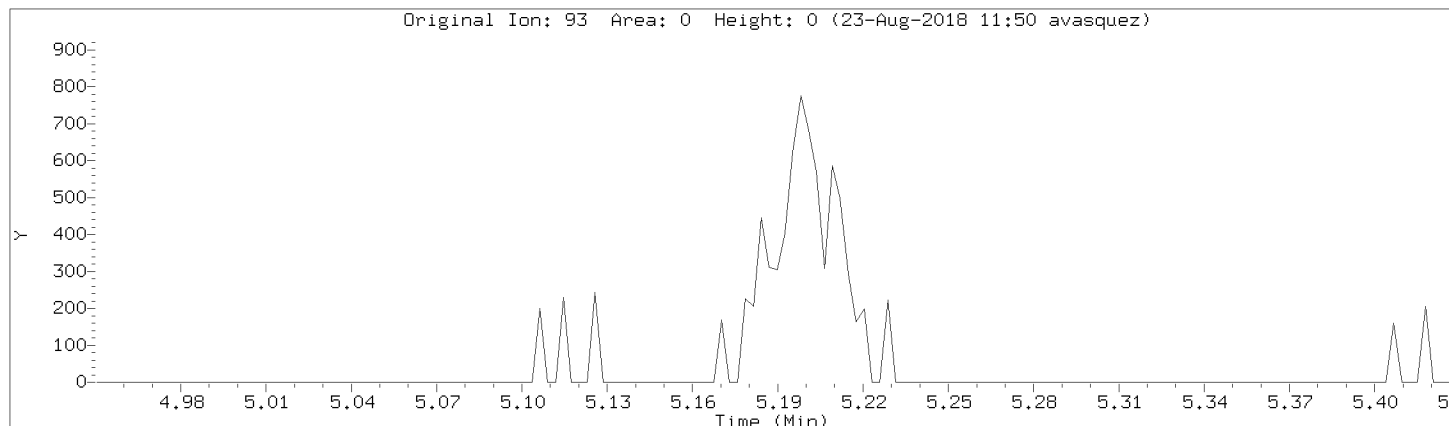


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

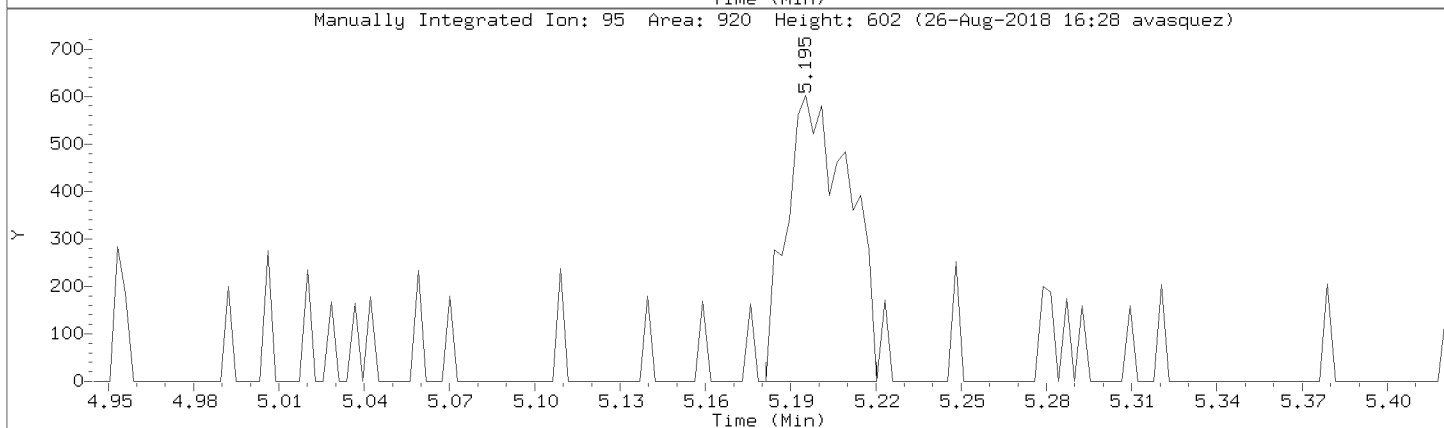
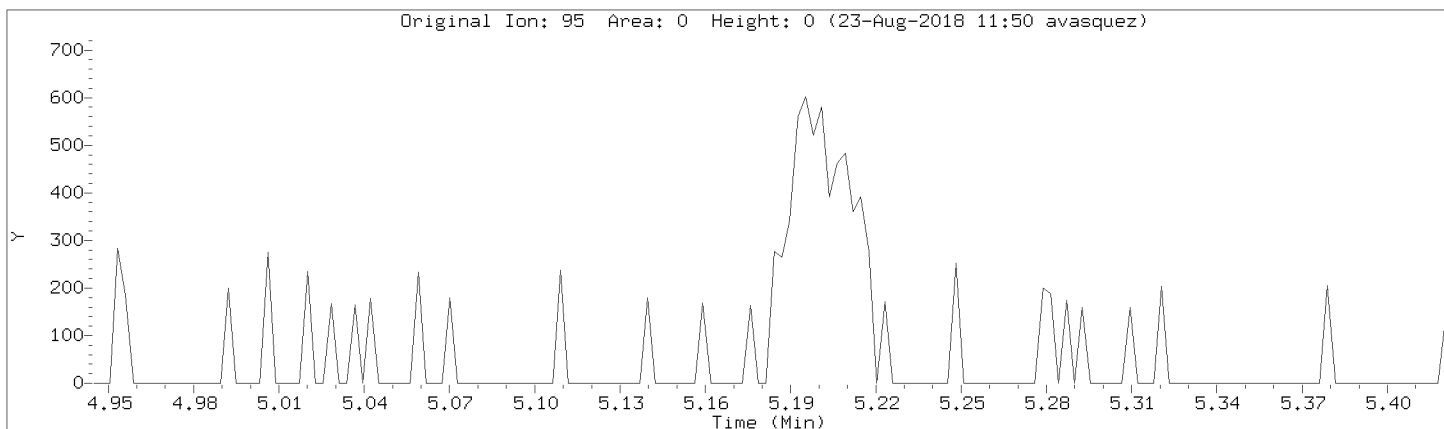


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

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



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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

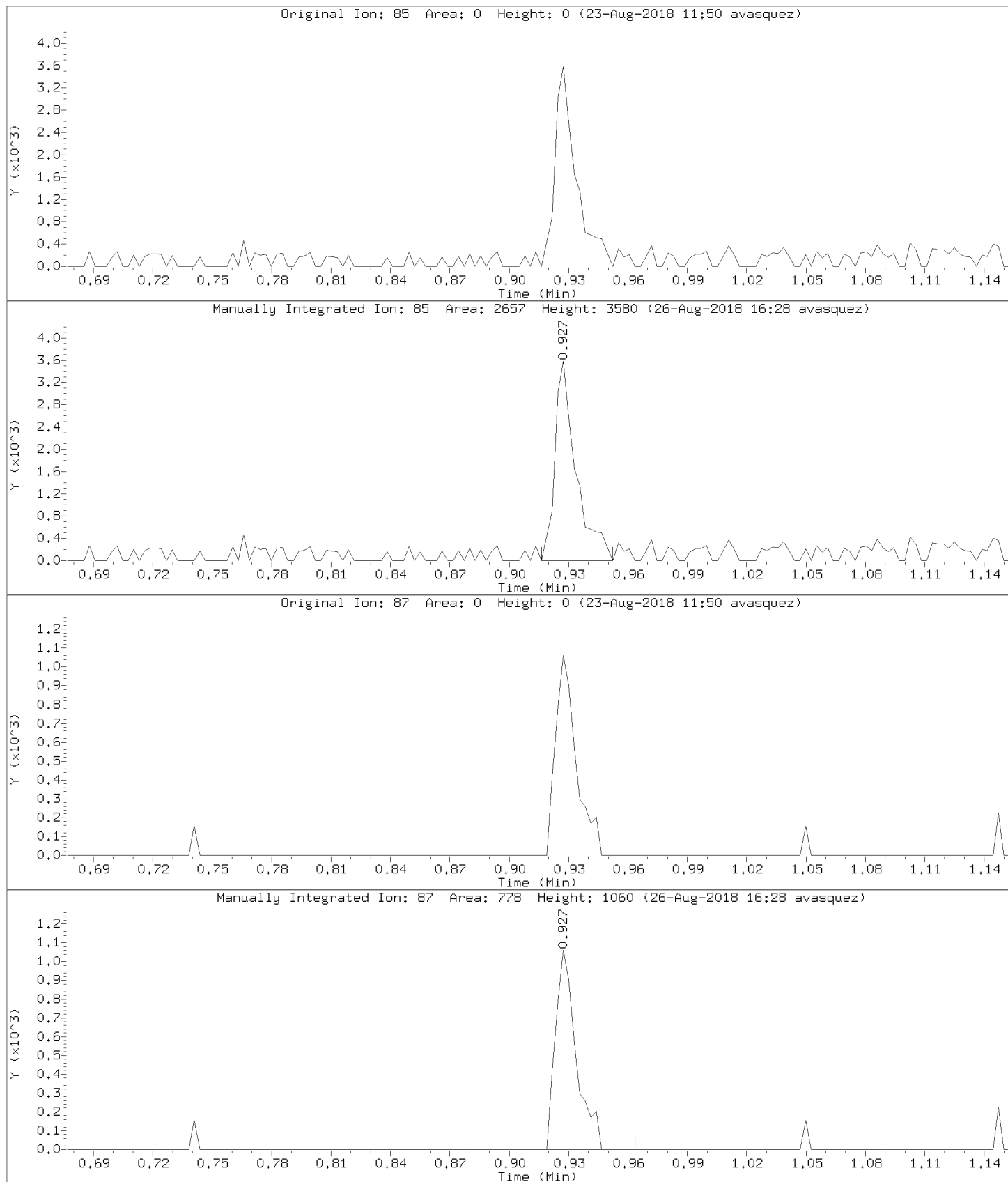
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Lab Sample ID: 8260-CAL2

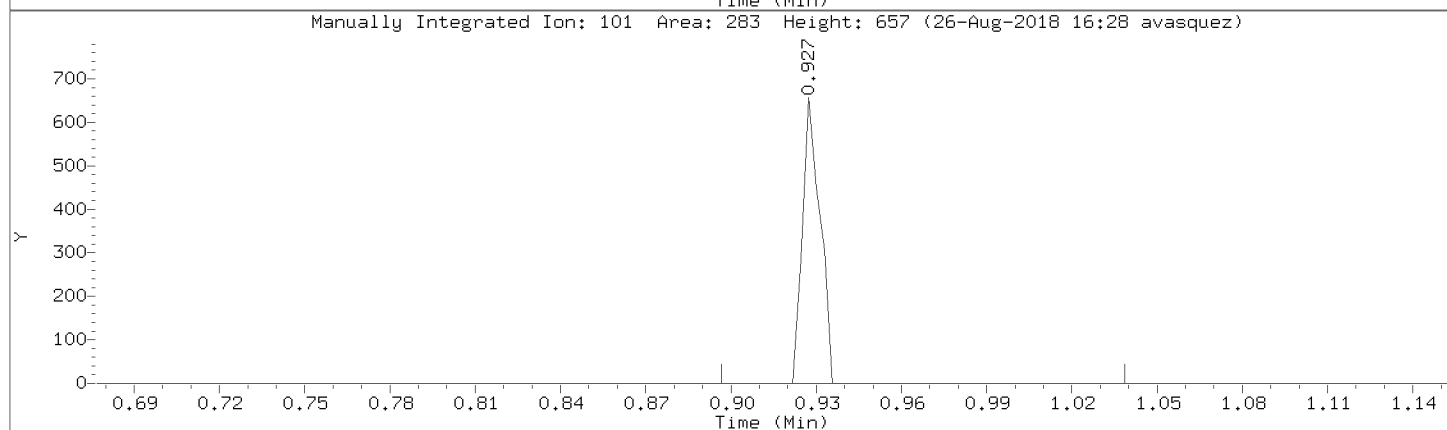
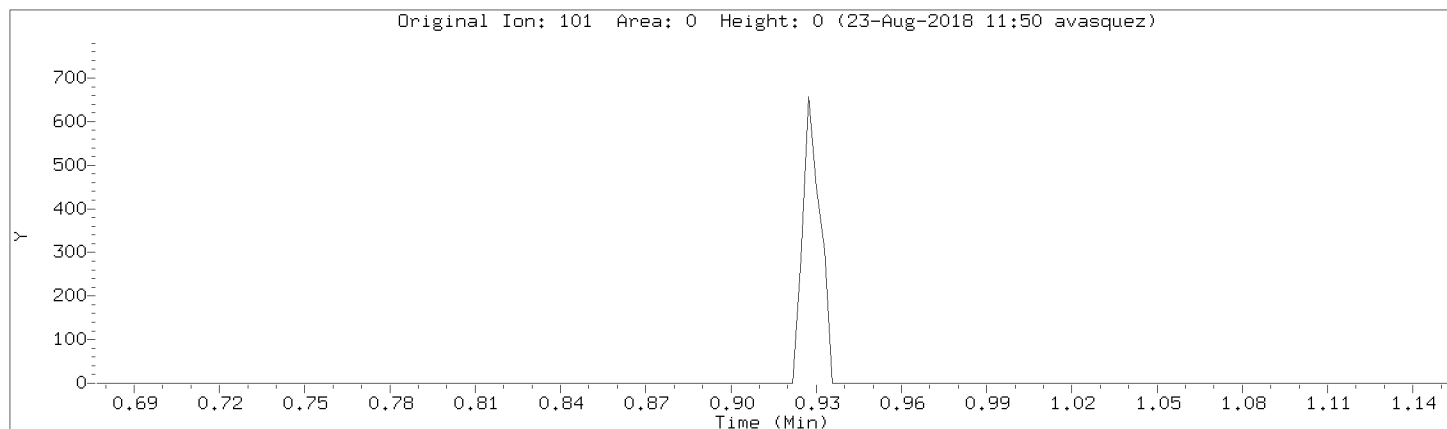
Compound: Dichlorodifluoromethane

Review Code: NI

CAS Number: 75-71-8

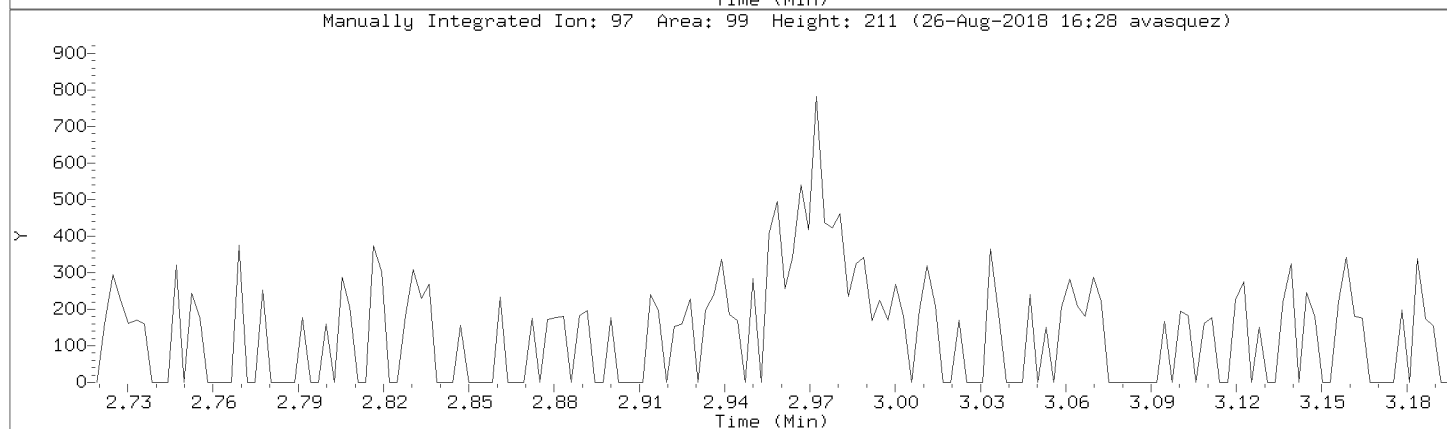
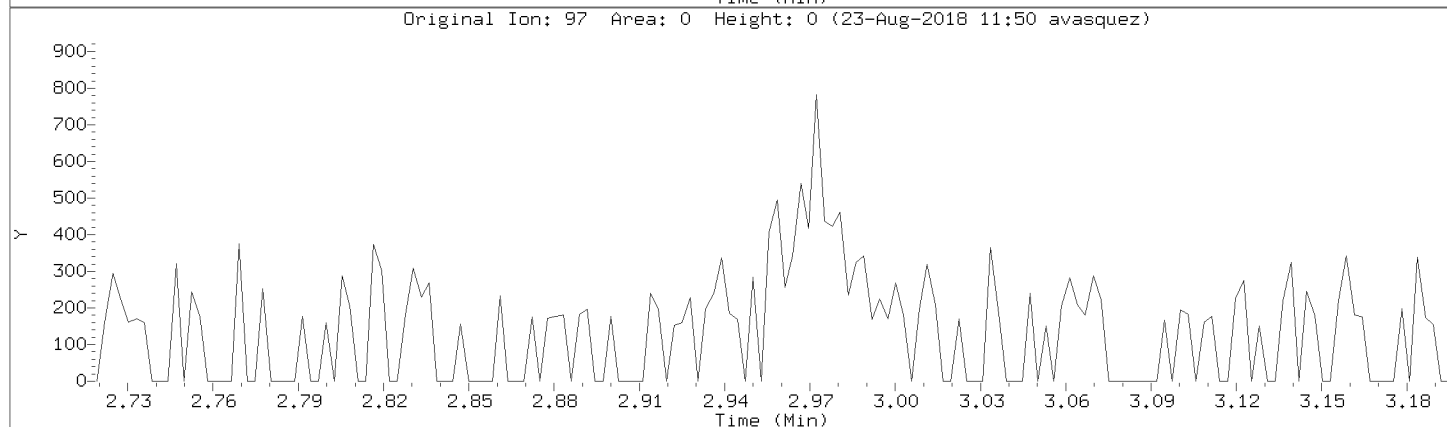
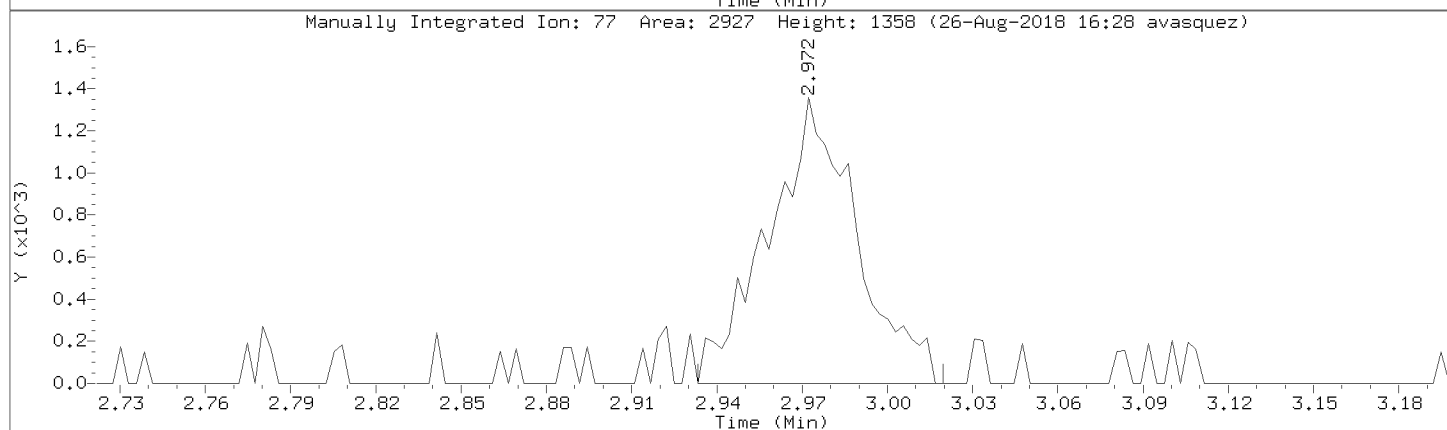
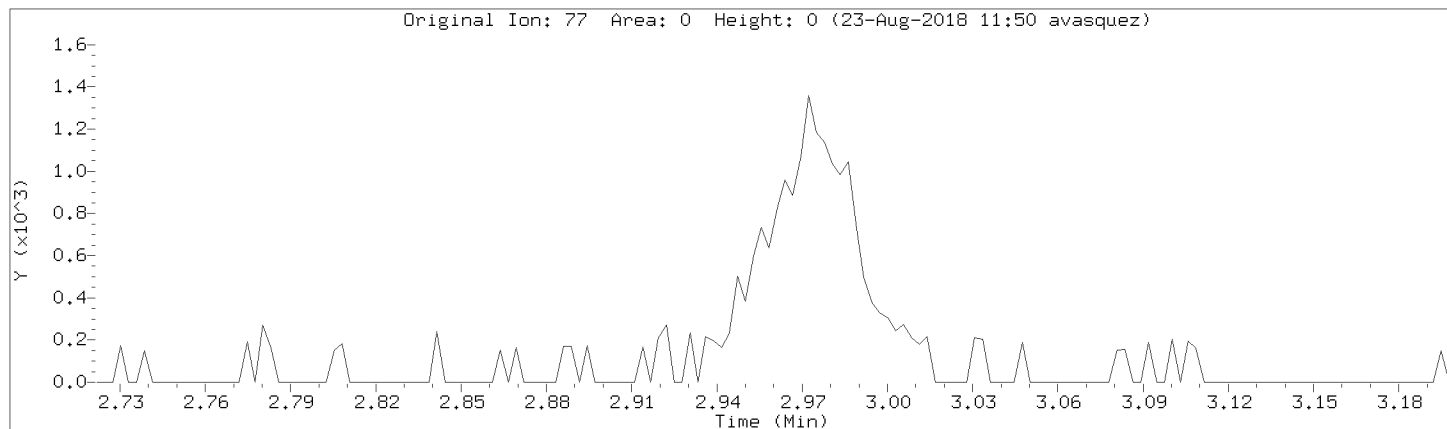


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



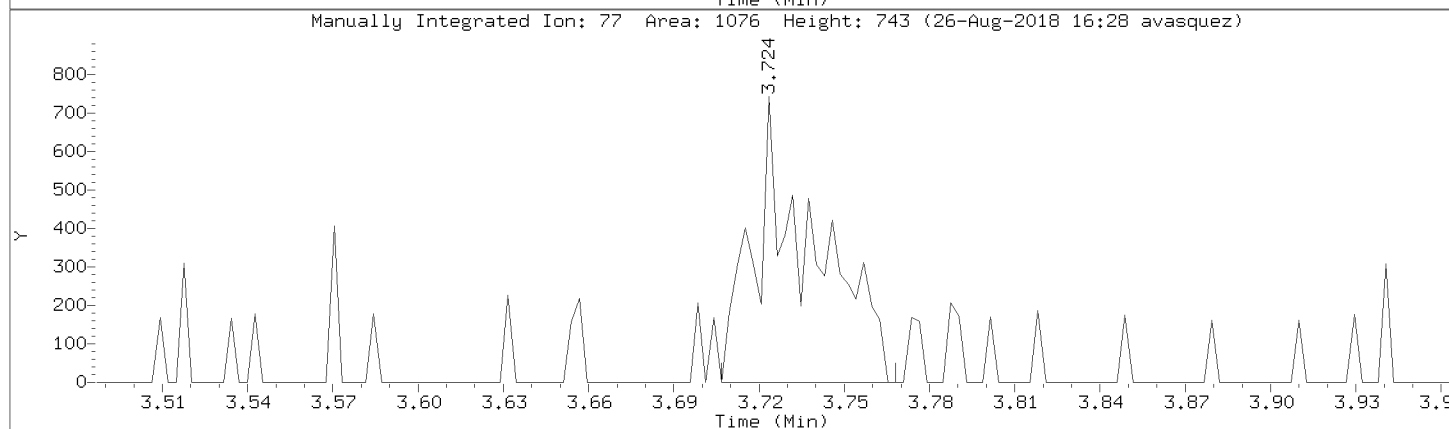
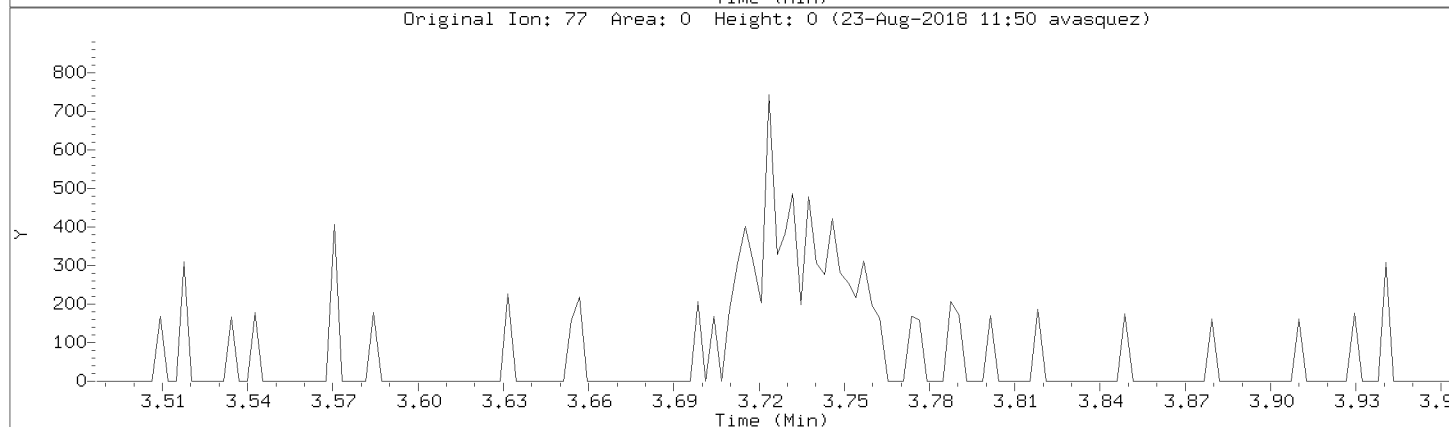
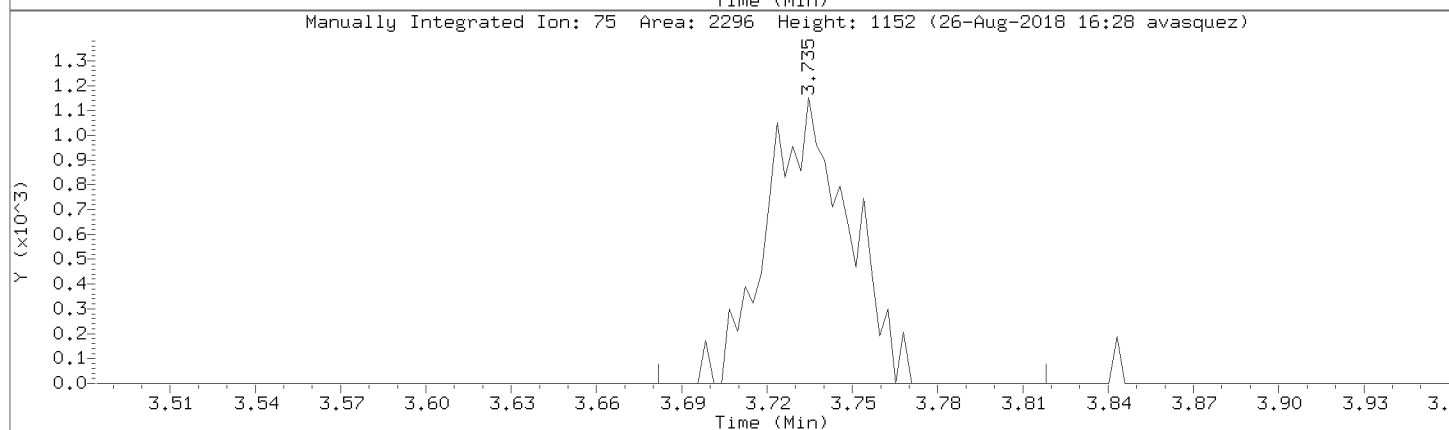
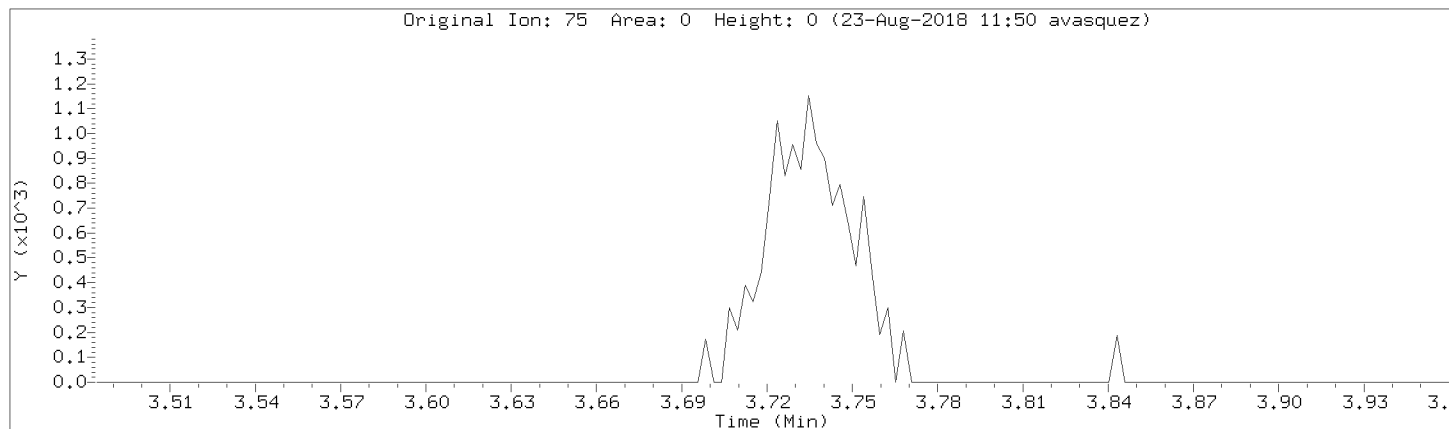
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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

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

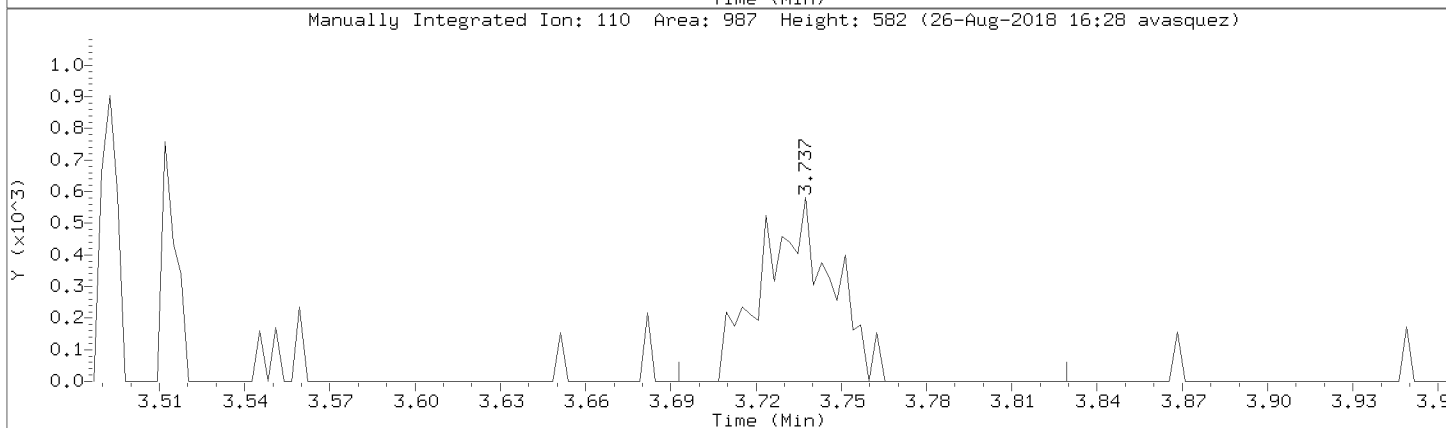
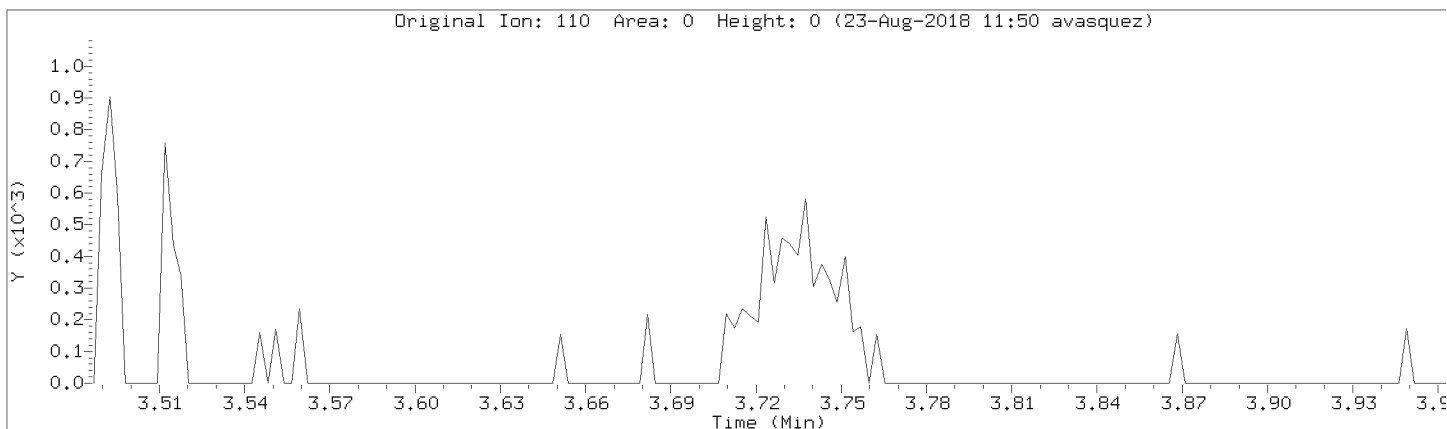


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: 1,1-Dichloropropene Review Code: NI
CAS Number: 563-58-6



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

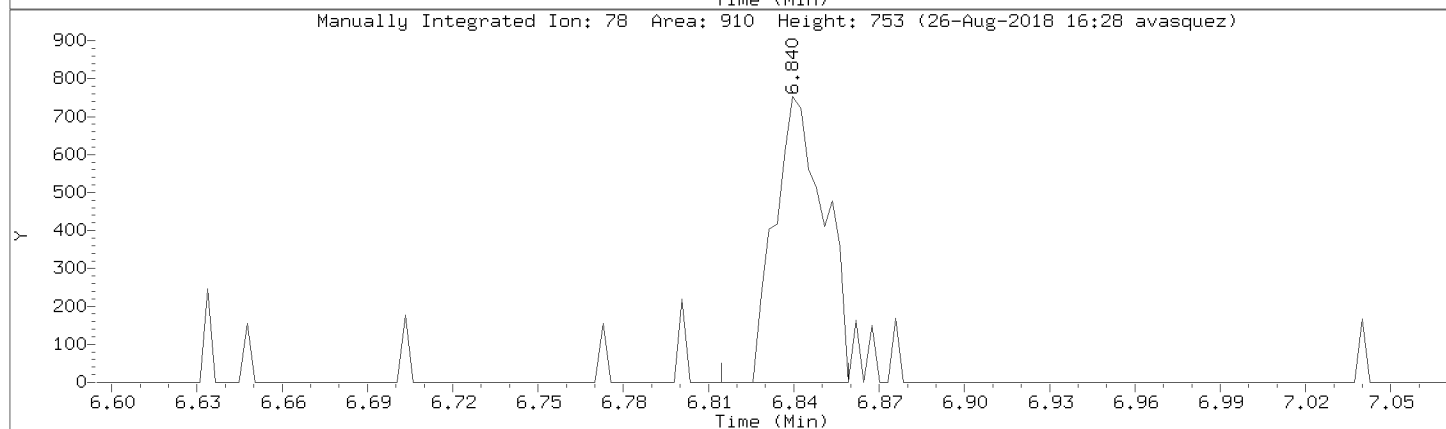
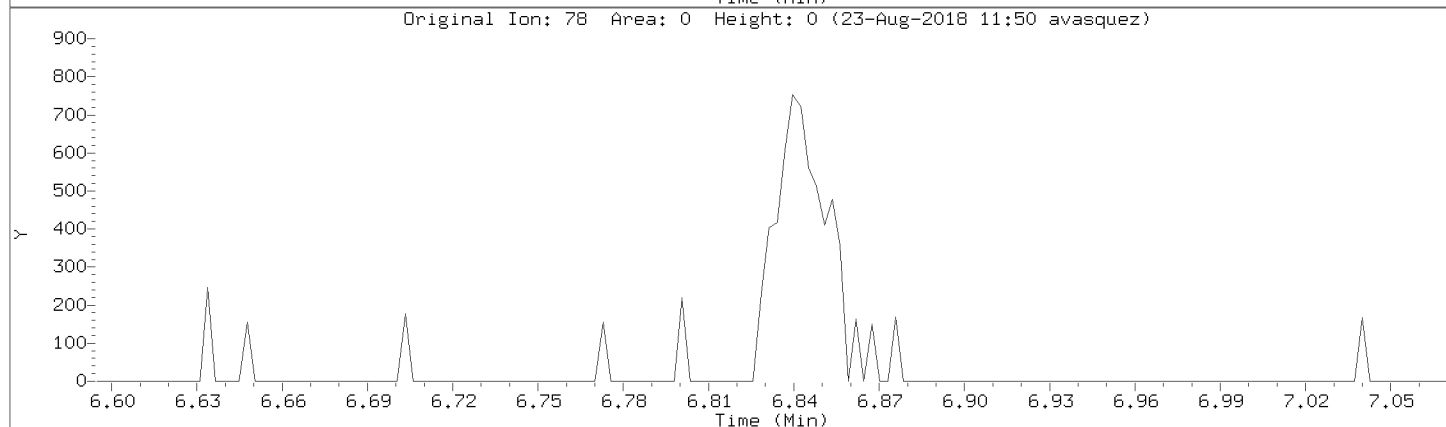
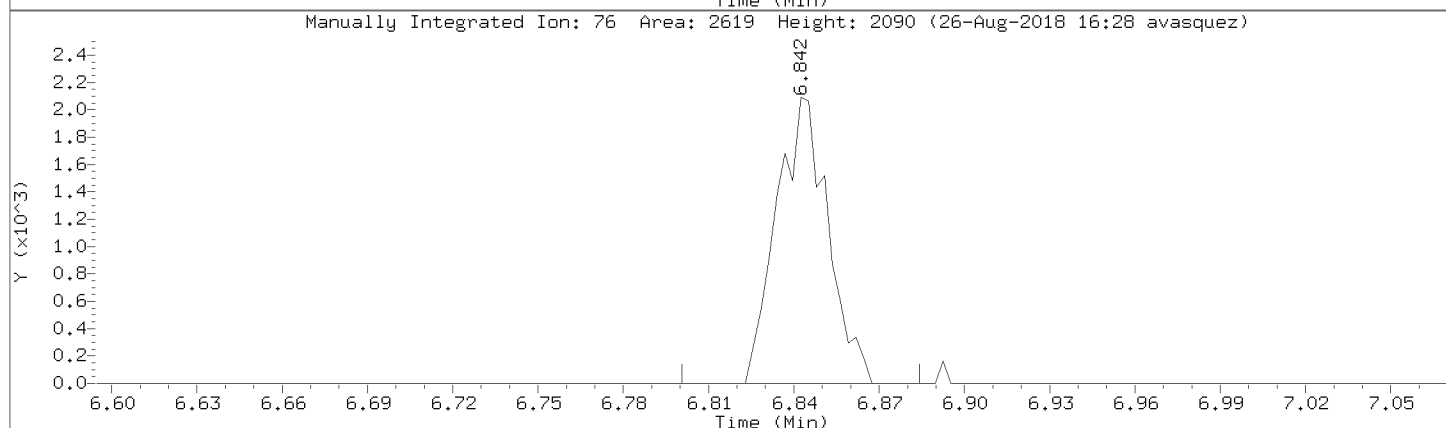
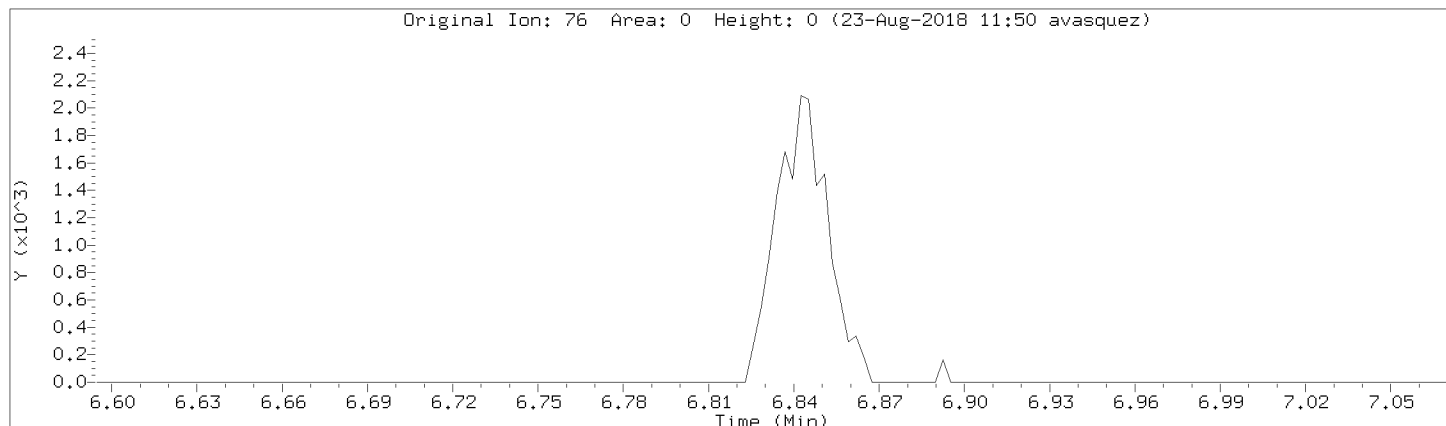
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: 1,3-Dichloropropane

Review Code: NI

CAS Number: 142-28-9



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Injection Date: 22-AUG-2018 14:52

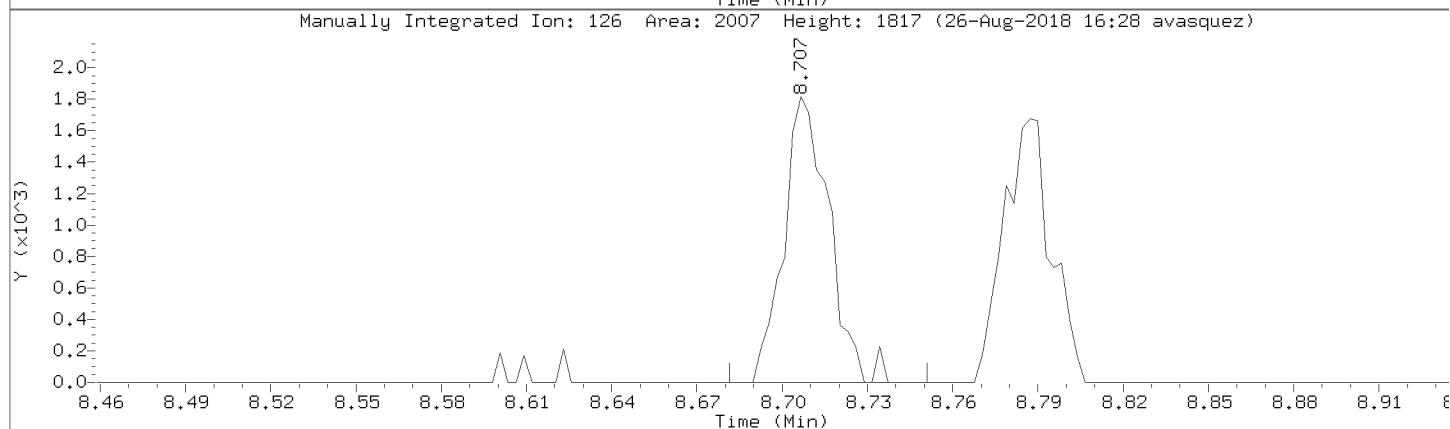
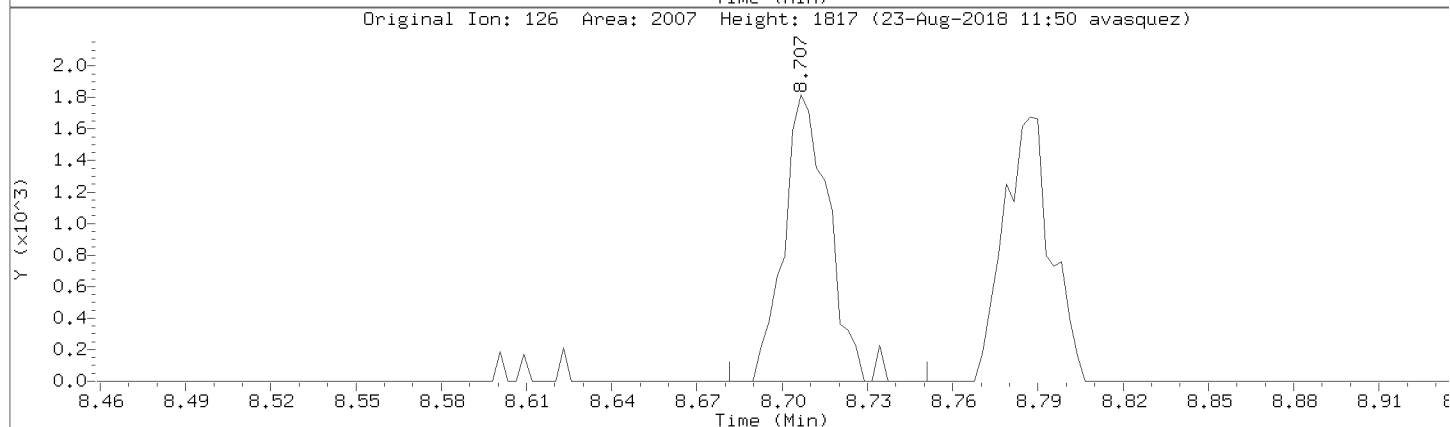
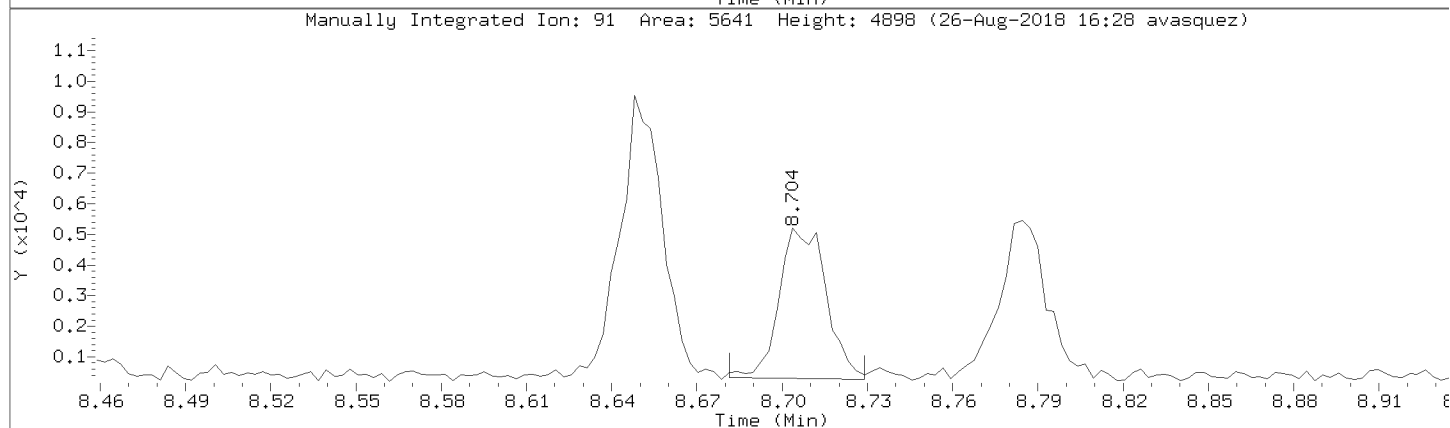
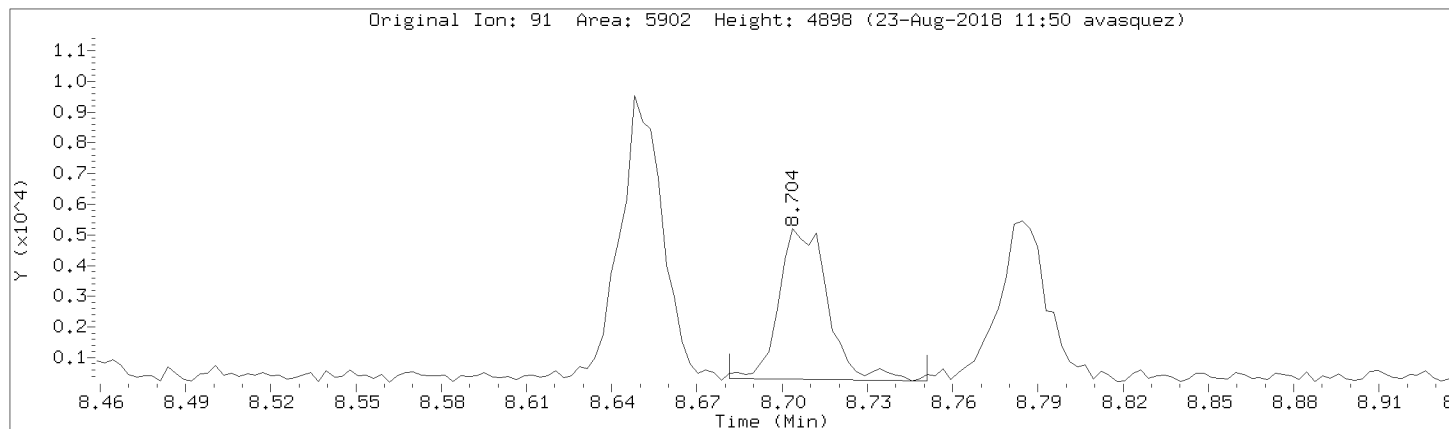
Instrument: 50mv2a.i

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

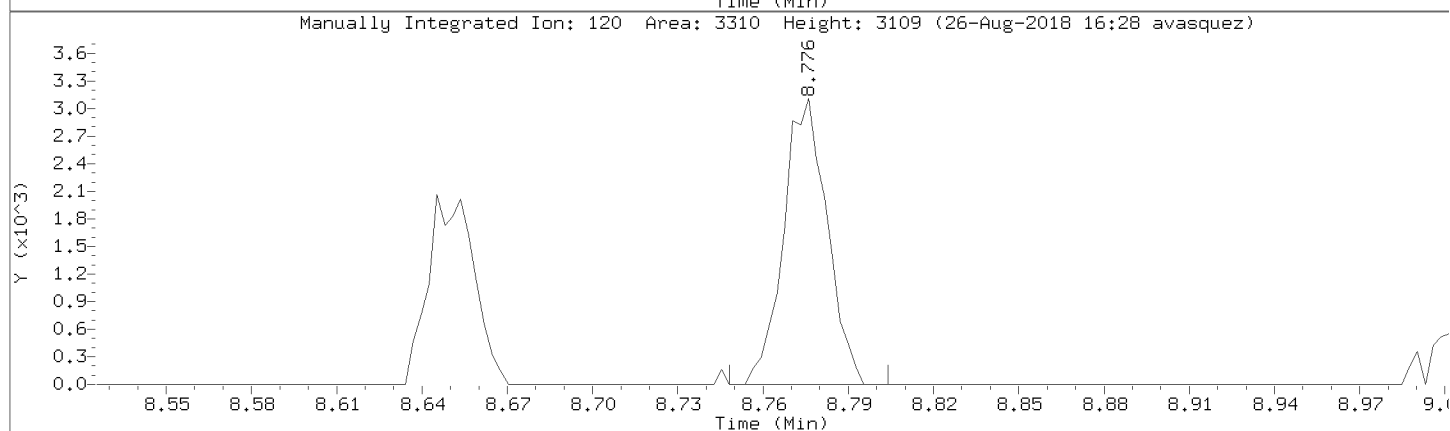
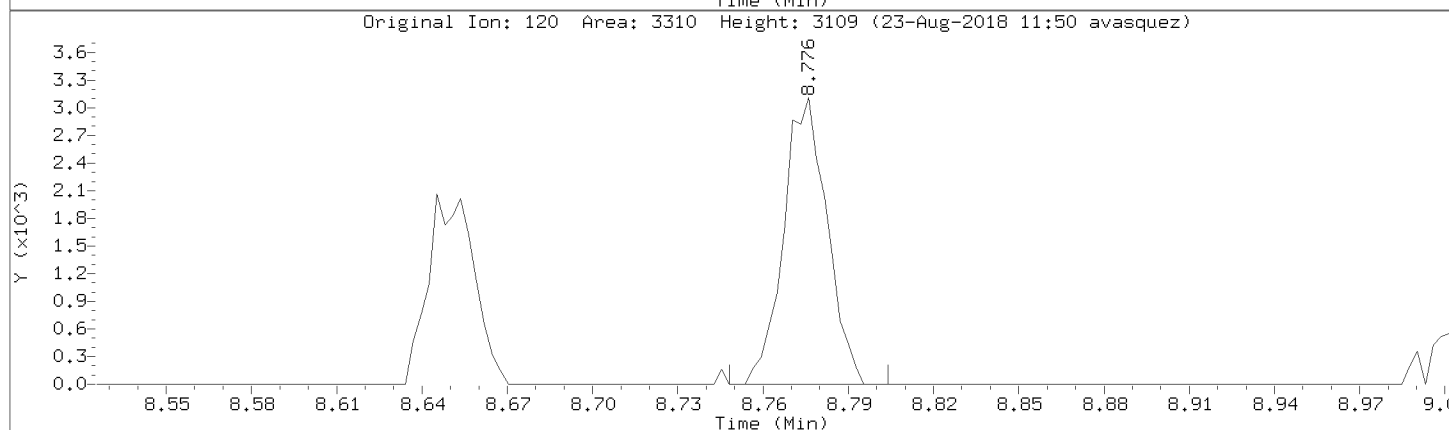
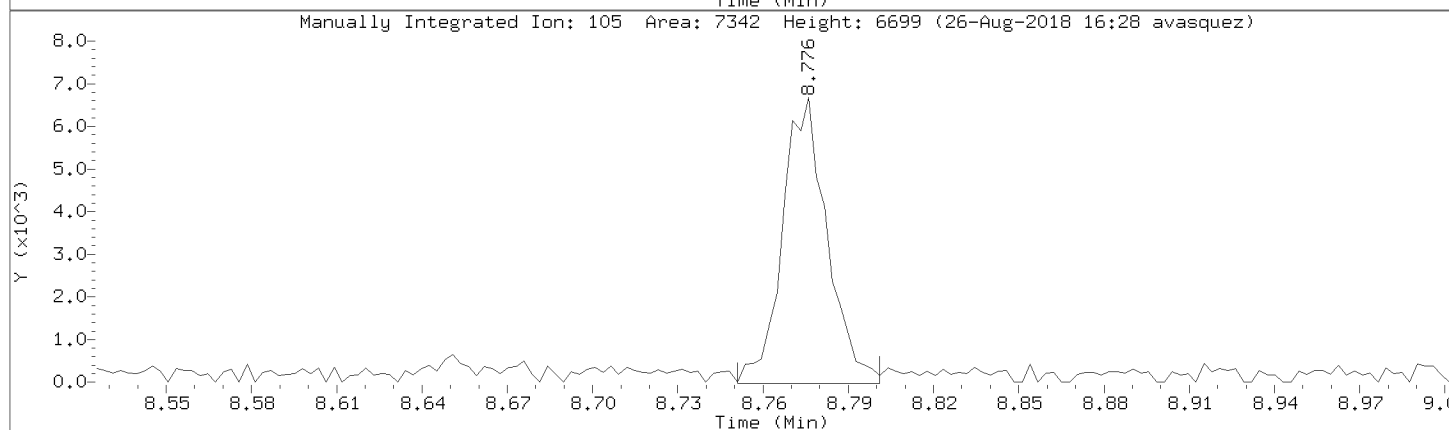
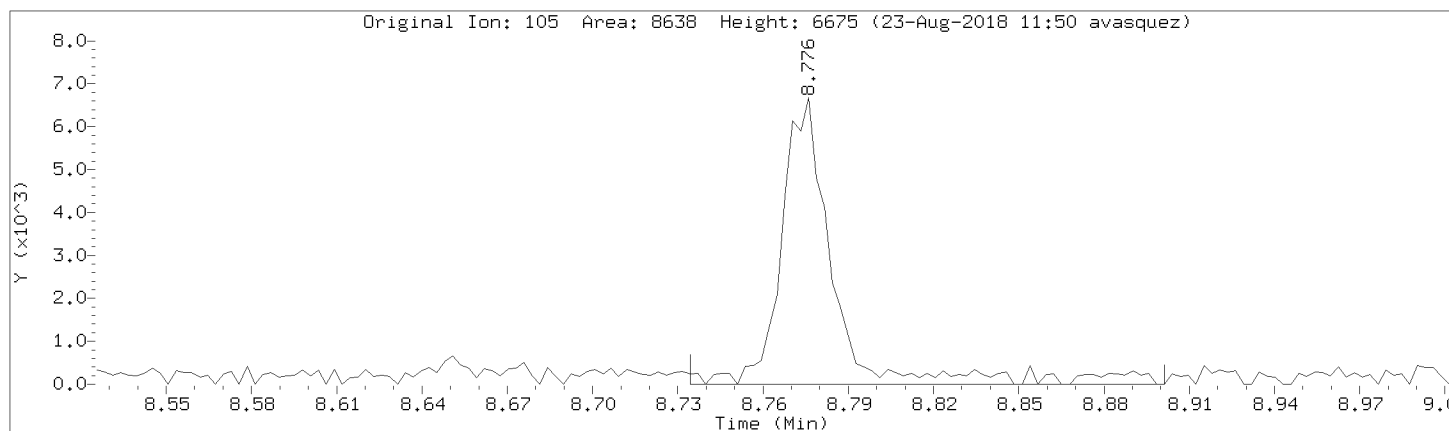
Instrument: 50mv2a.i

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

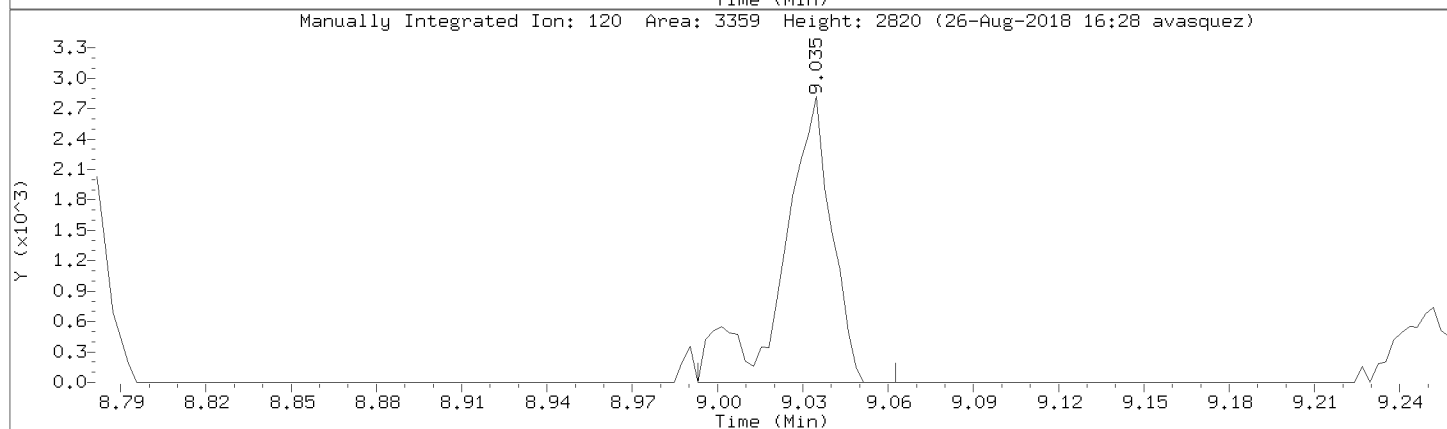
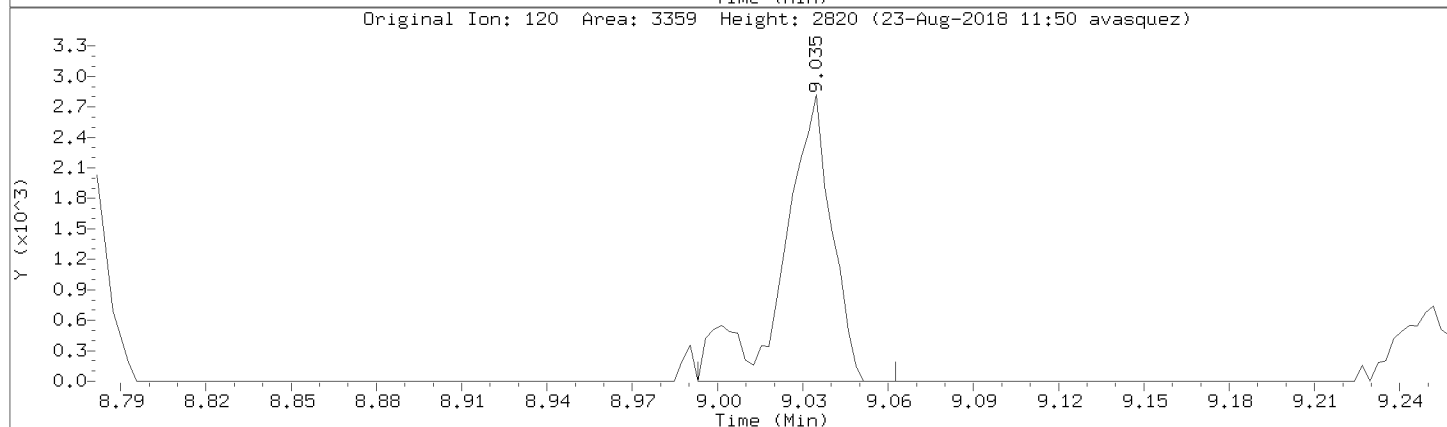
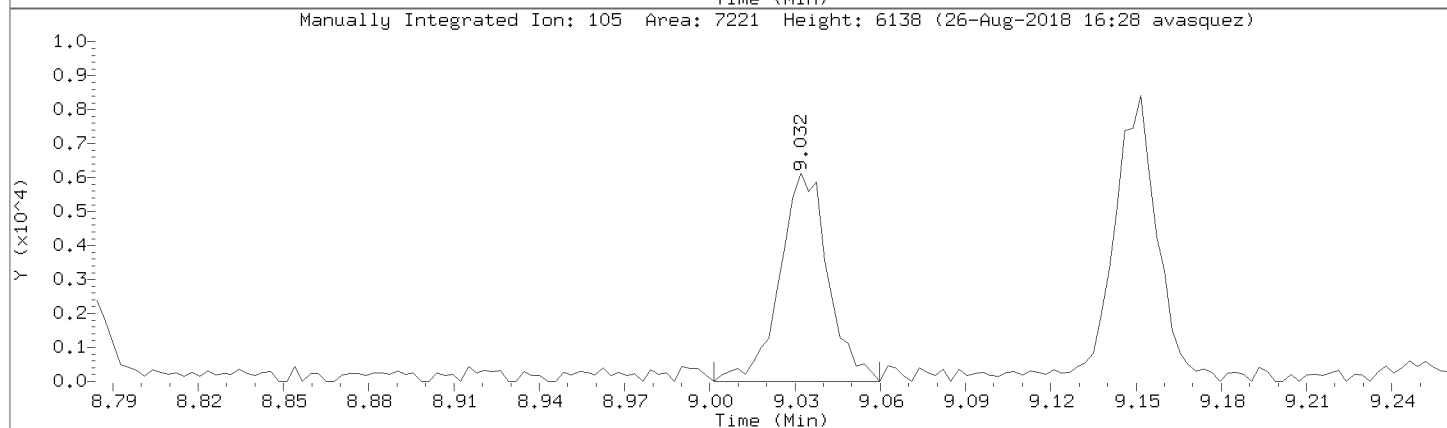
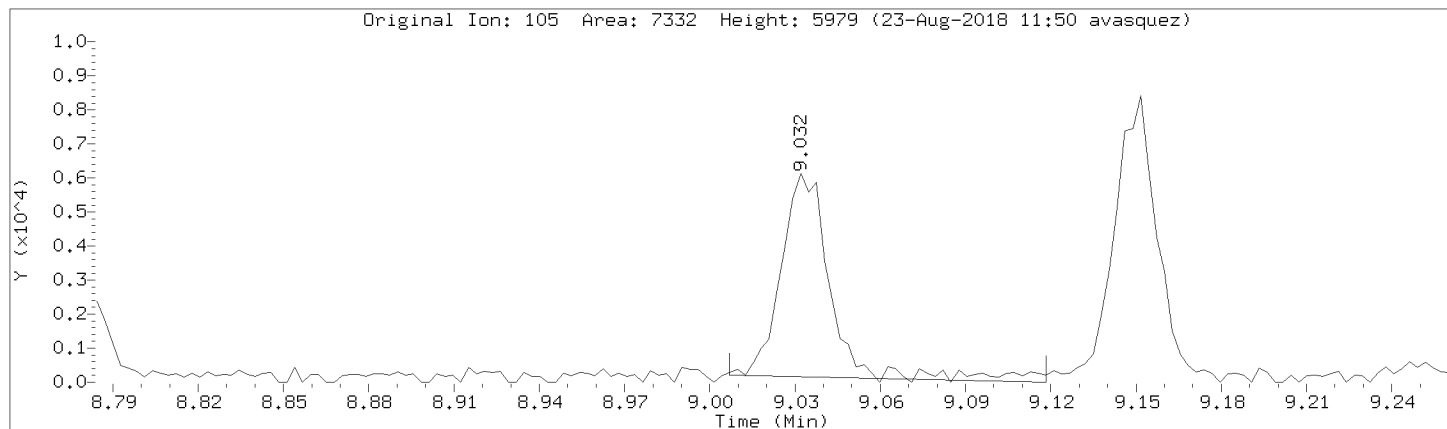
Instrument: 50mv2a.i

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

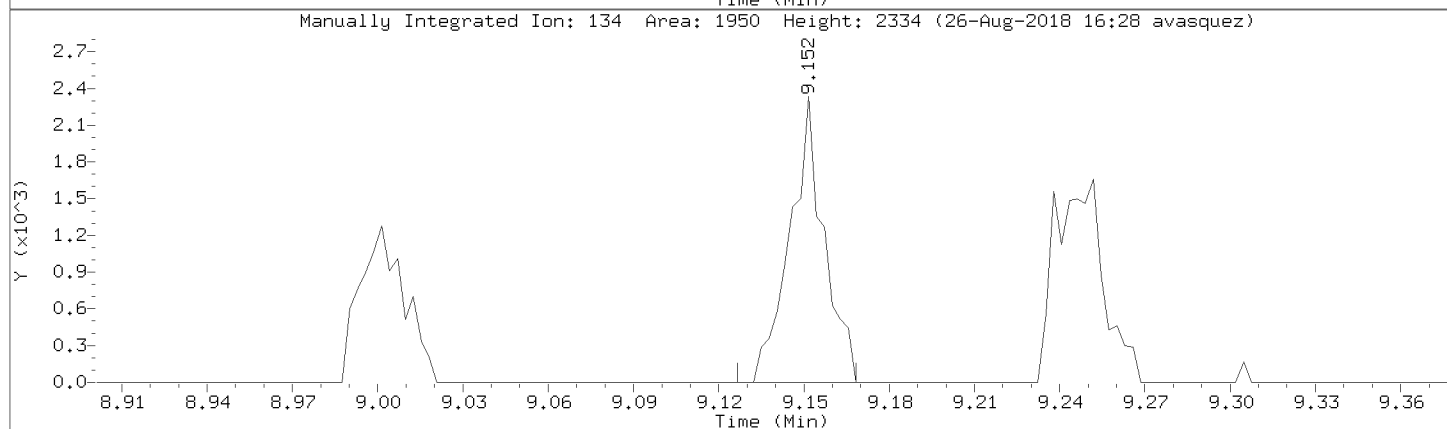
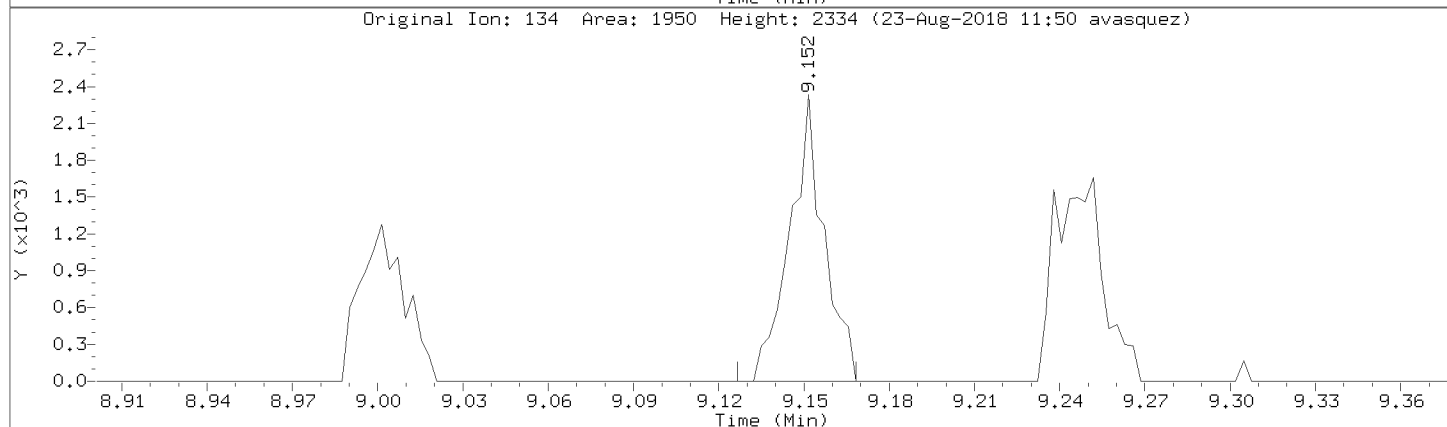
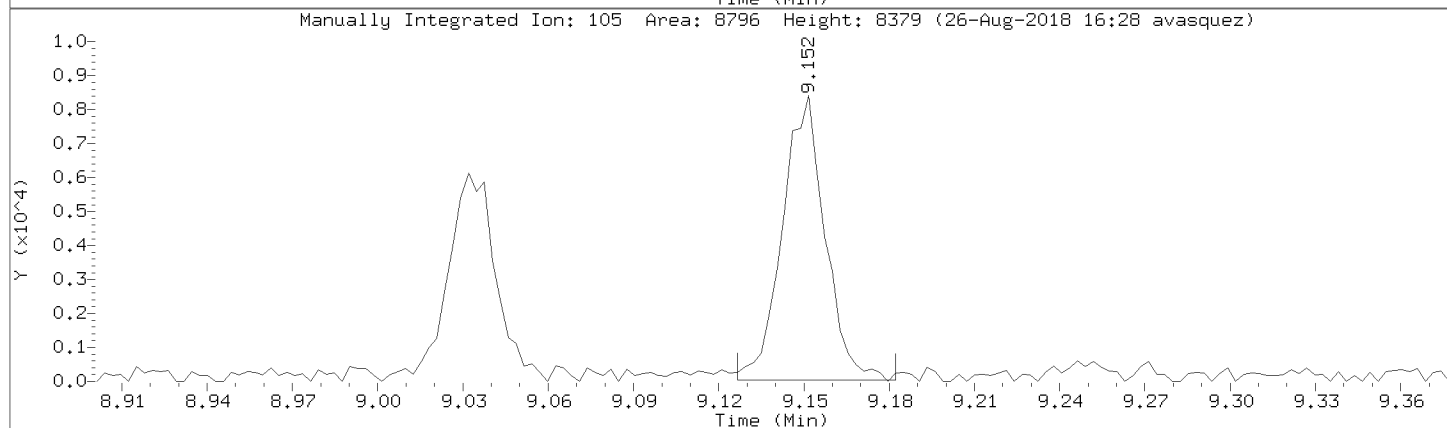
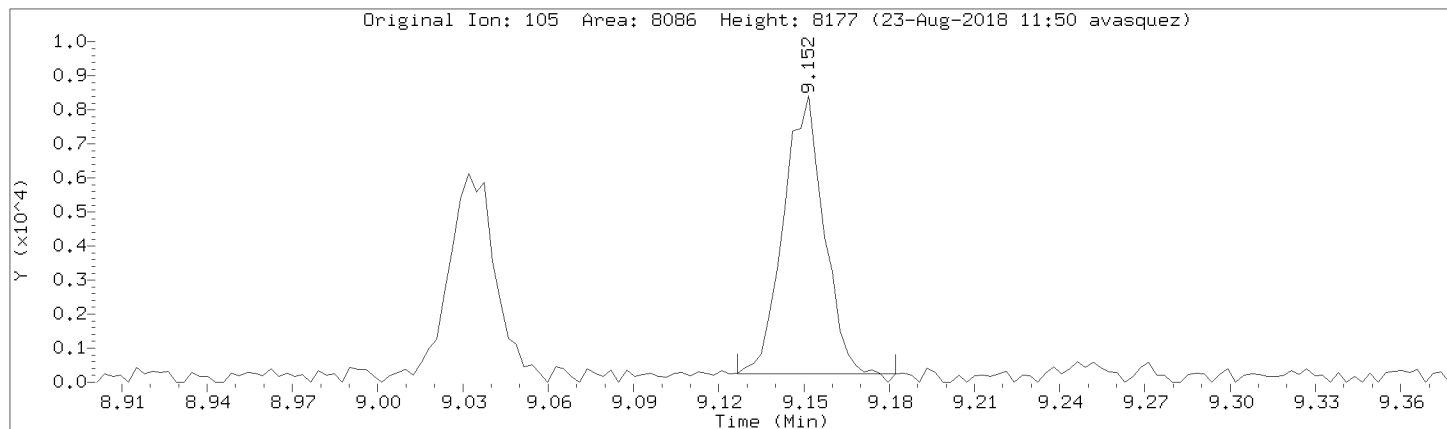
Instrument: 50mv2a.i

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

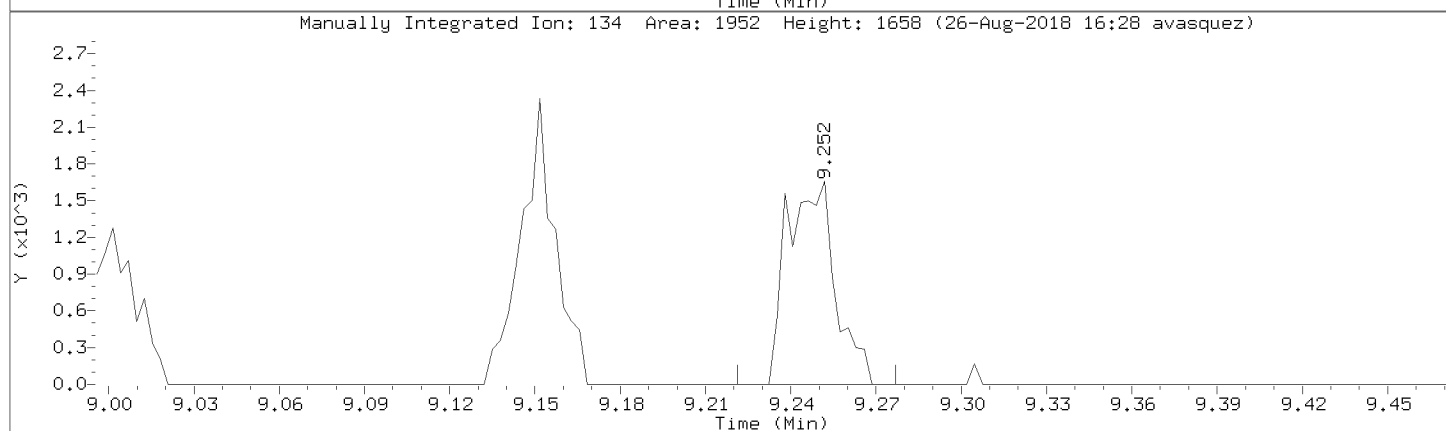
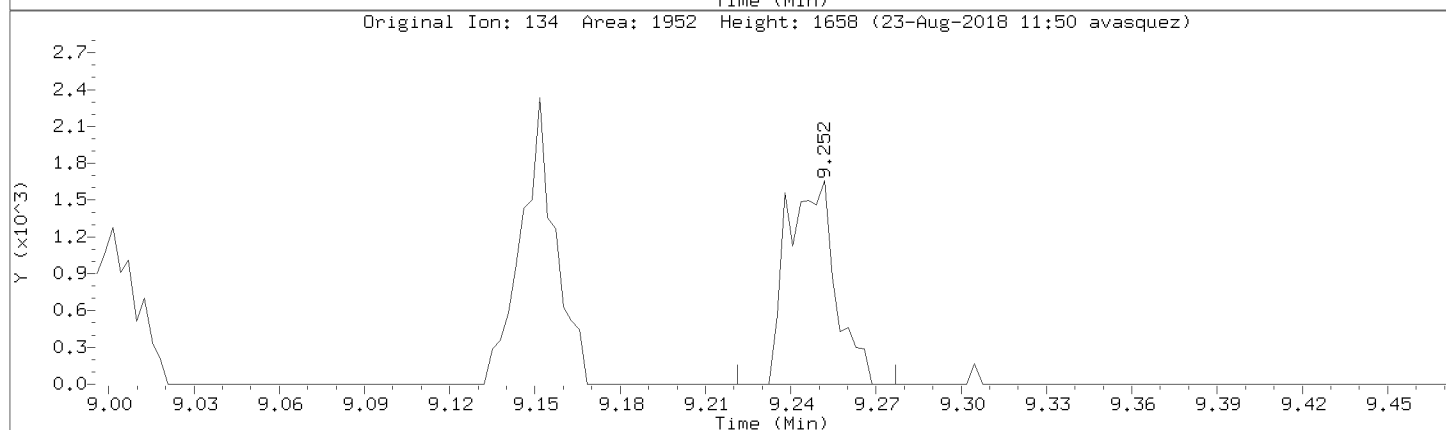
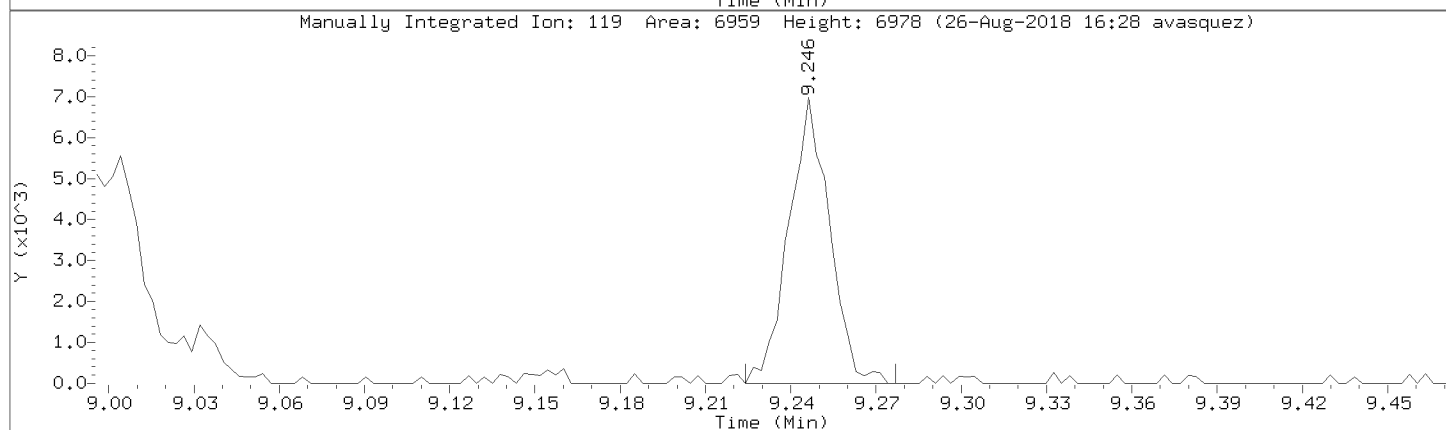
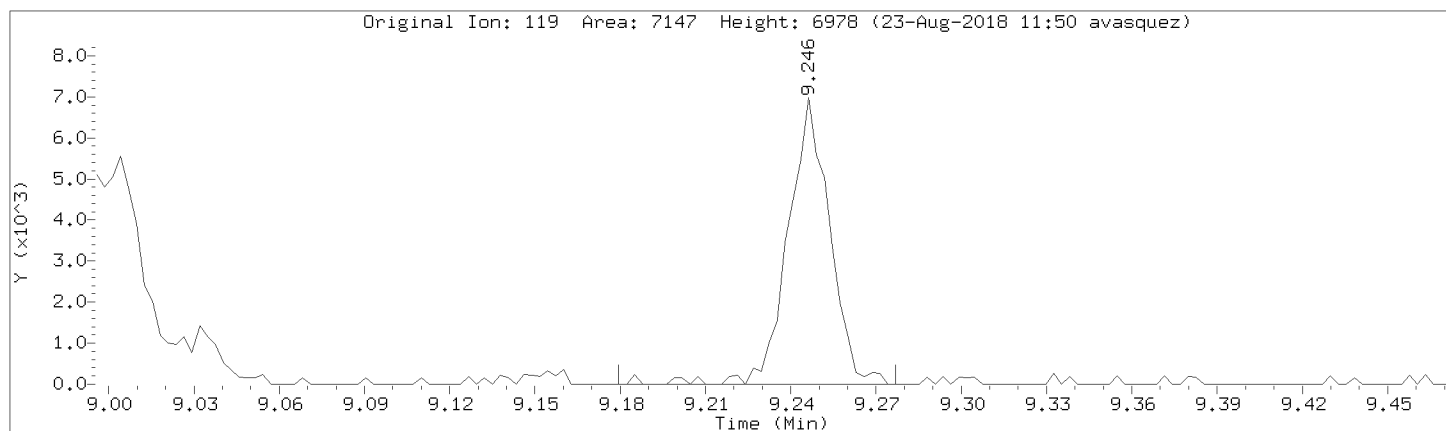
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: p-Isopropyltoluene

Review Code: GT

CAS Number: 99-87-6

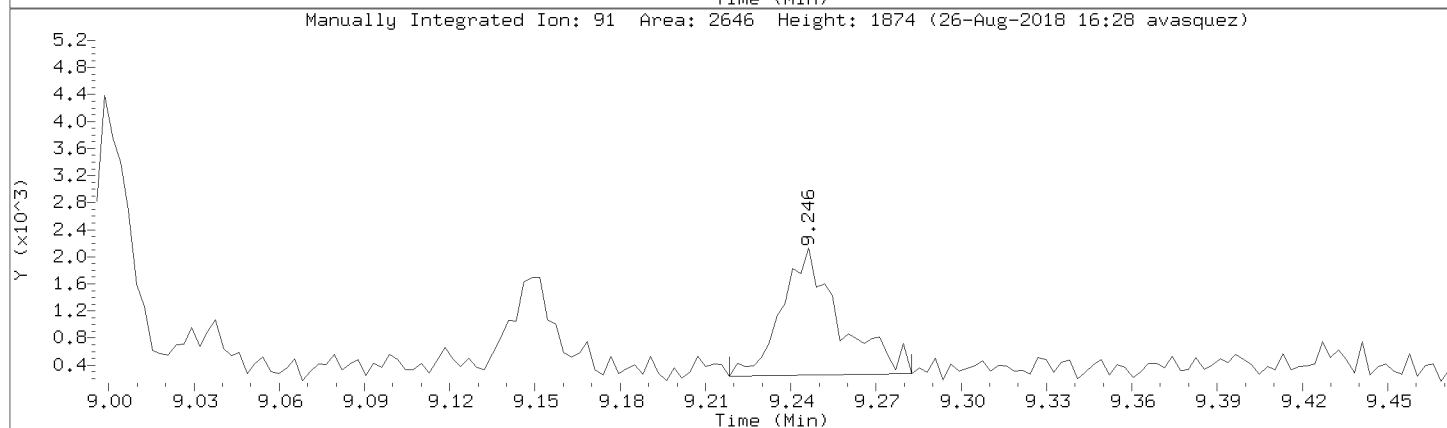
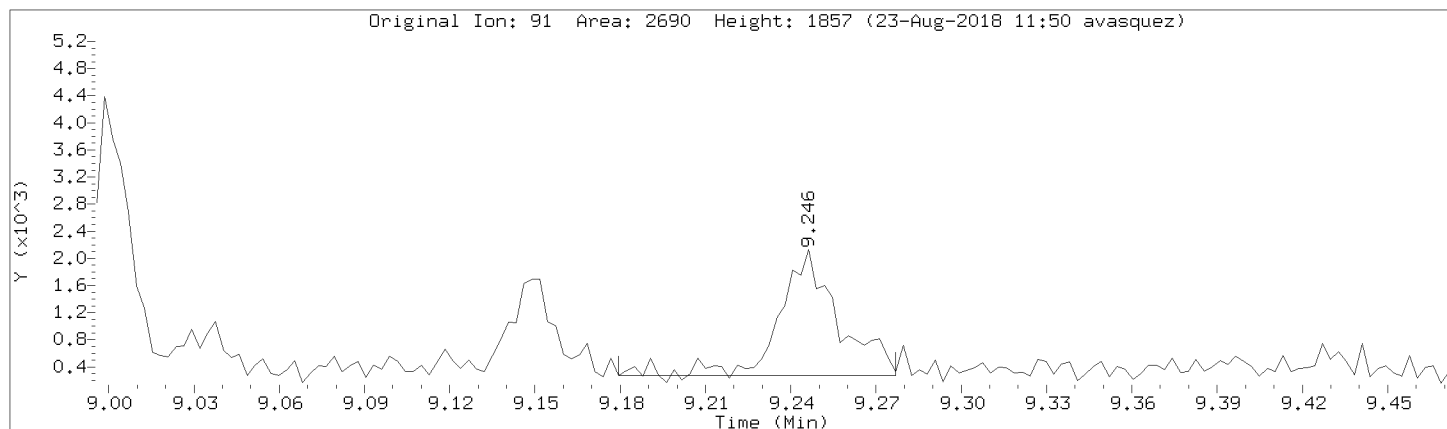


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Injection Date: 22-AUG-2018 14:52

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2



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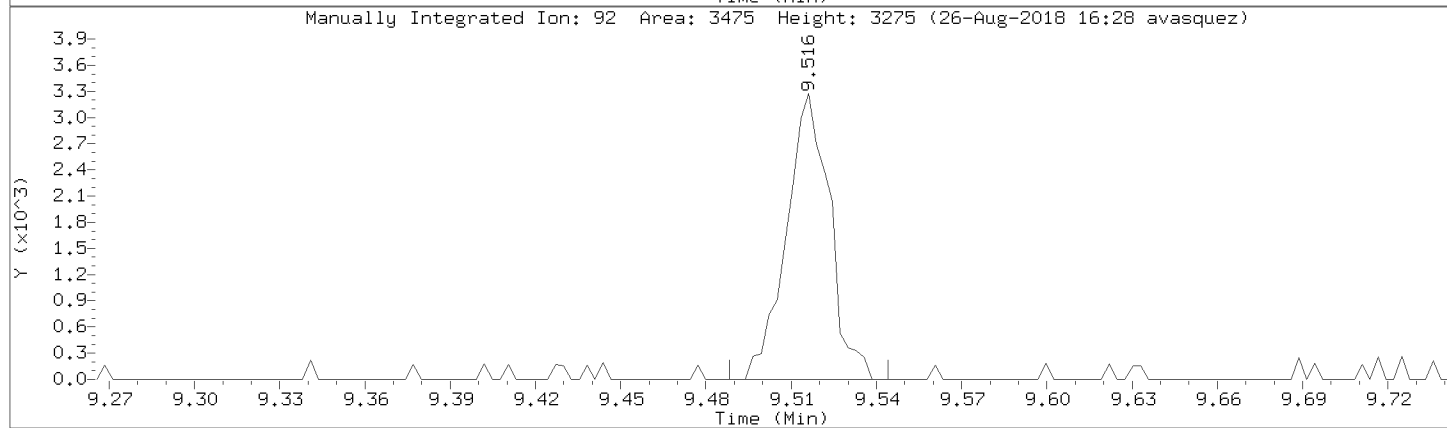
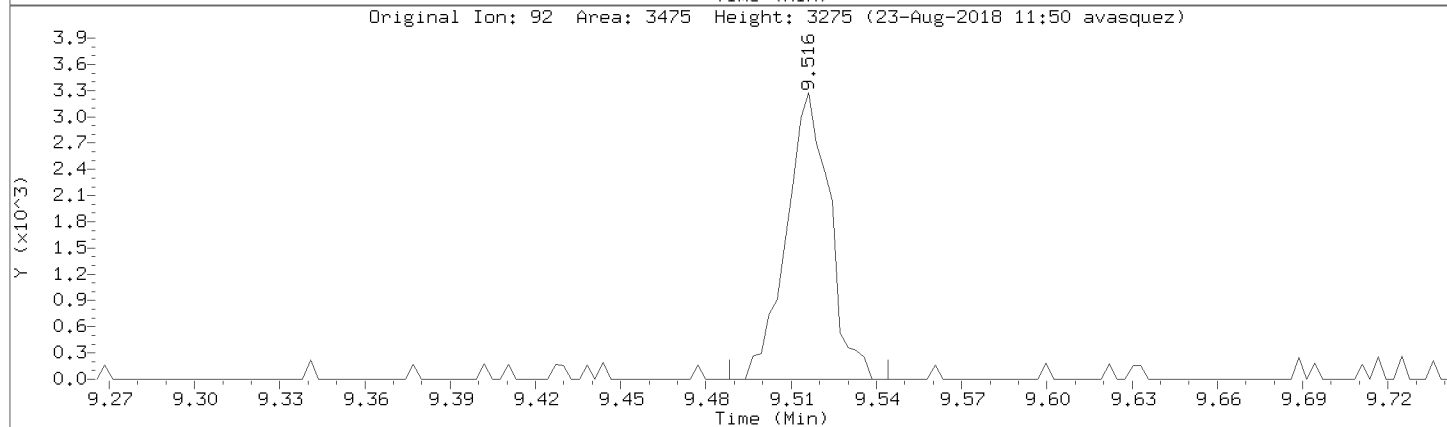
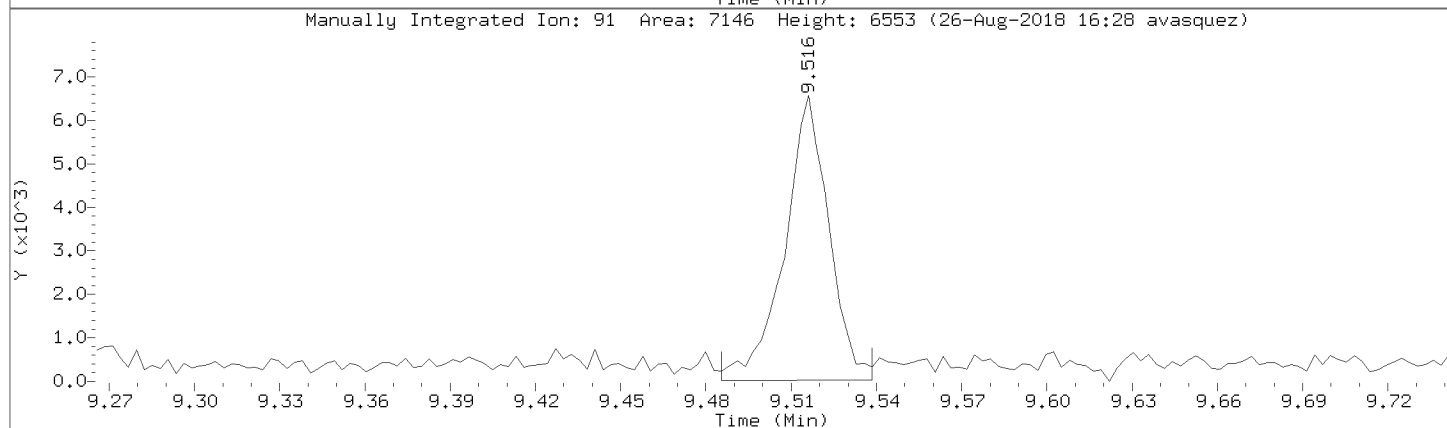
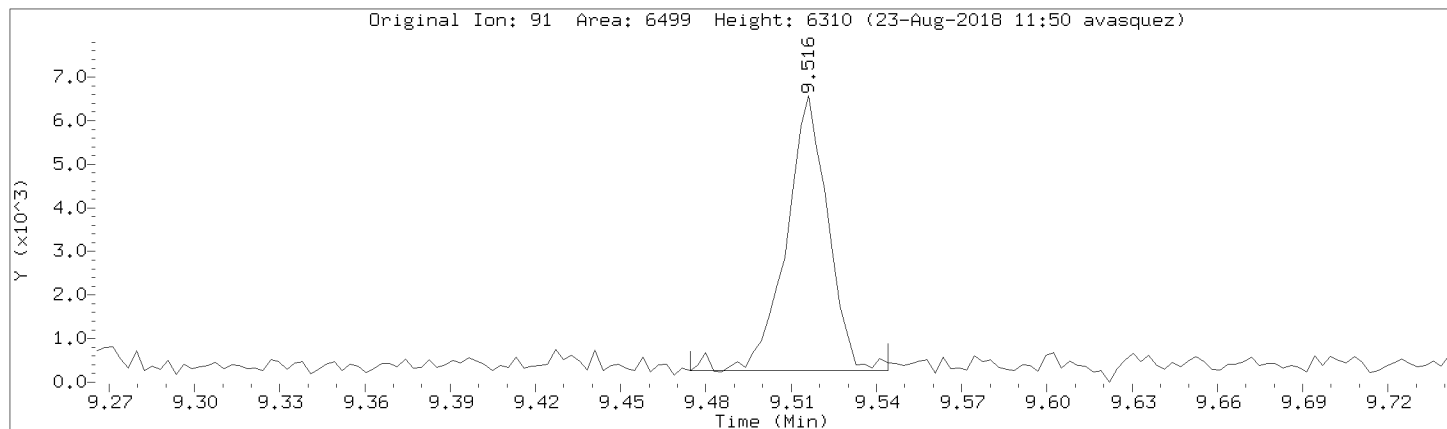
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

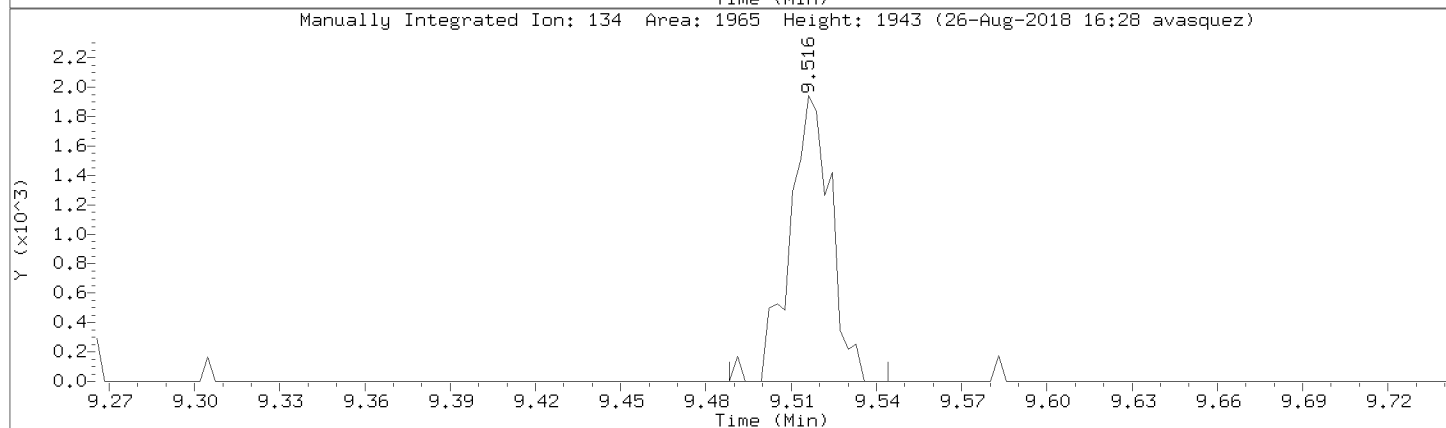
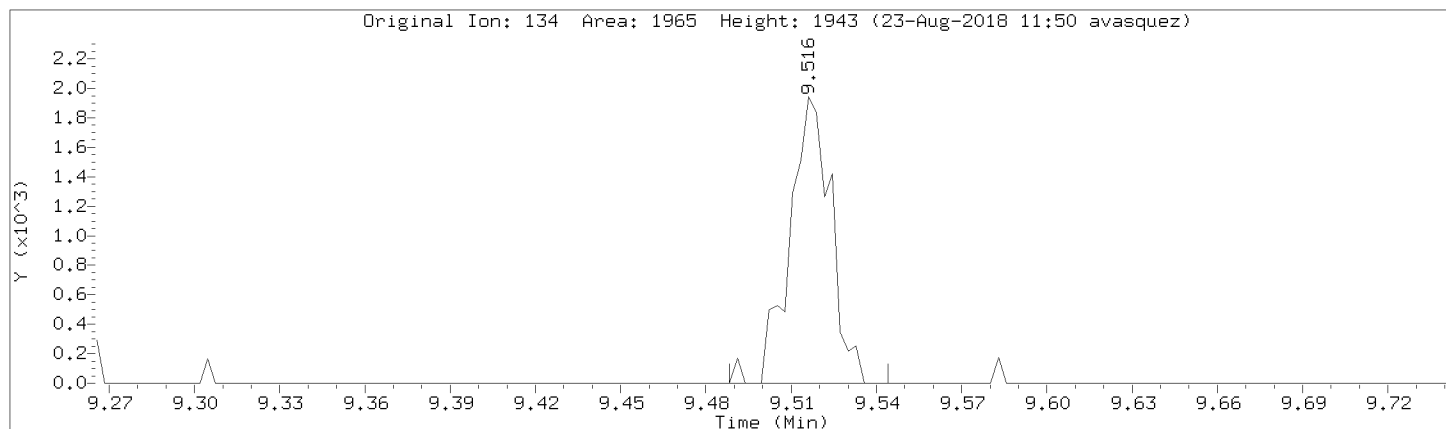
Compound: n-Butylbenzene

Review Code: NI

CAS Number: 104-51-8

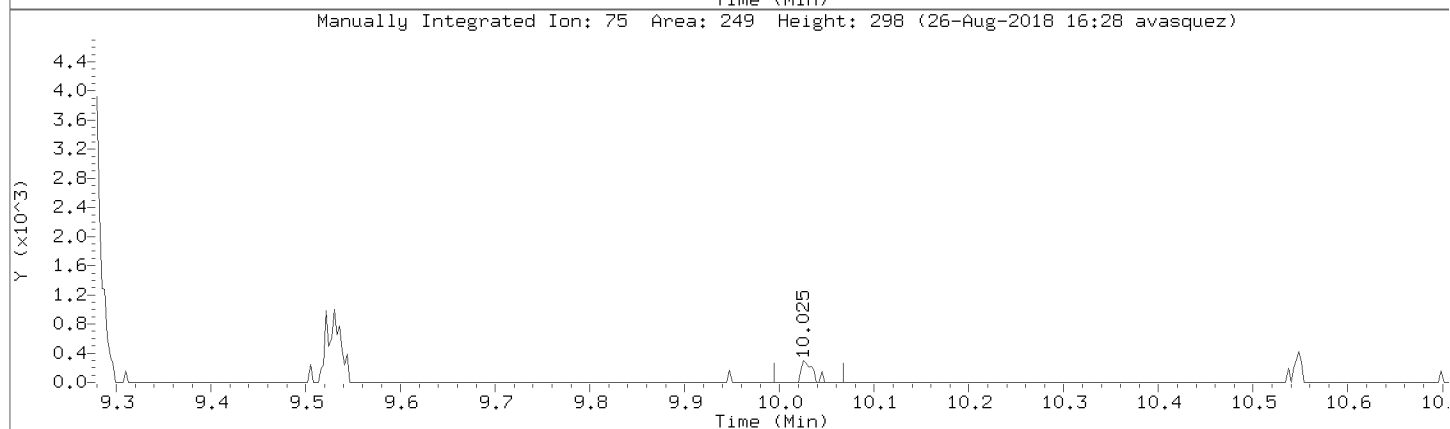
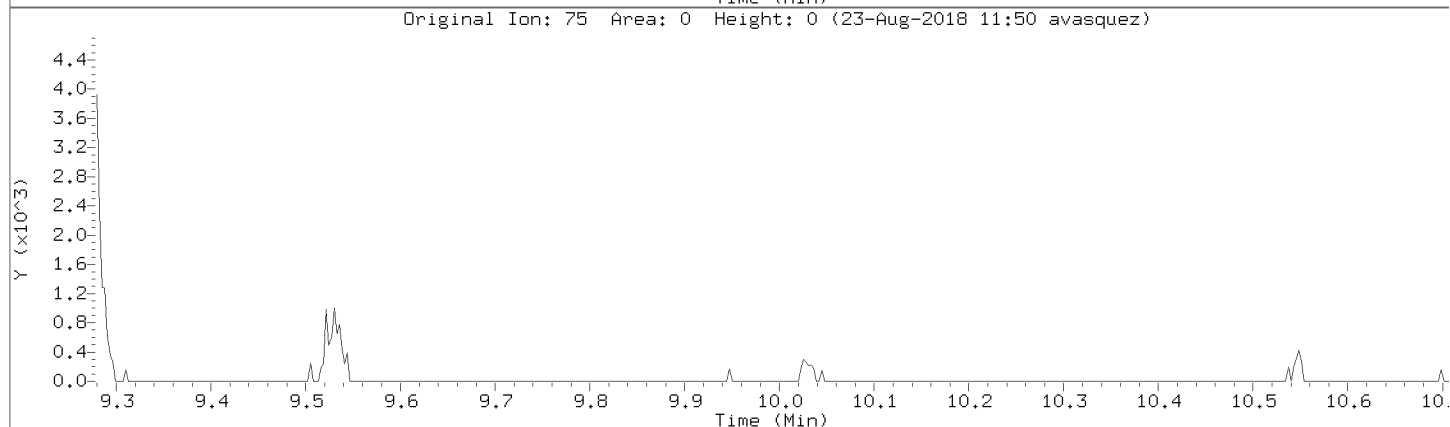
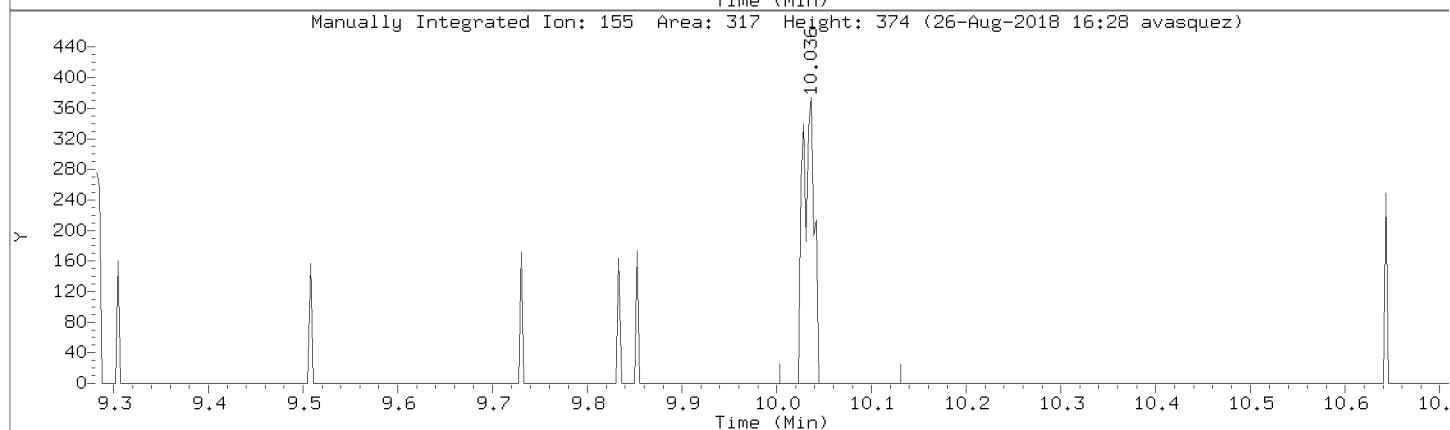
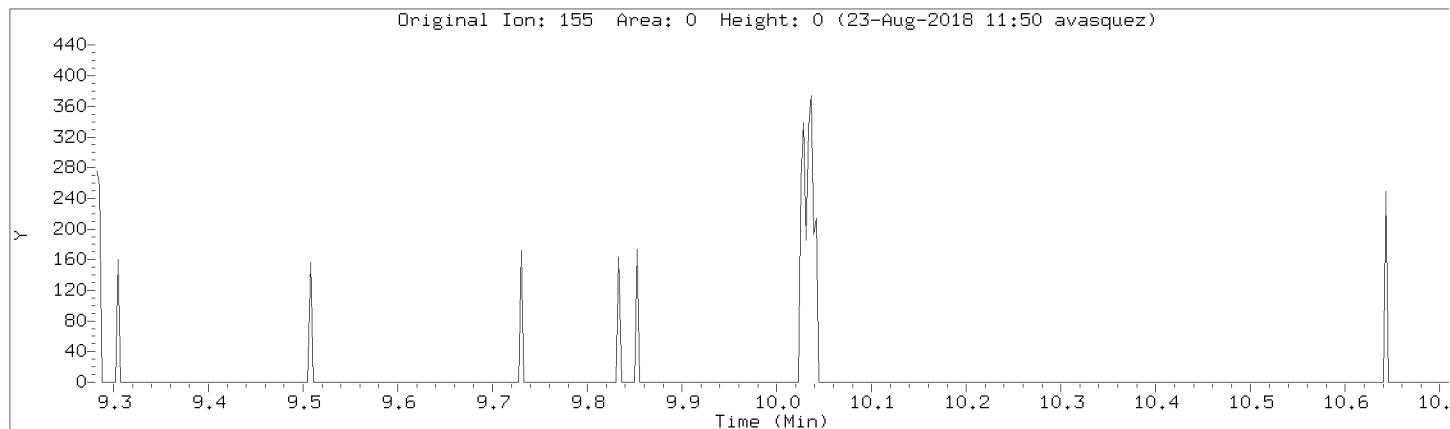


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

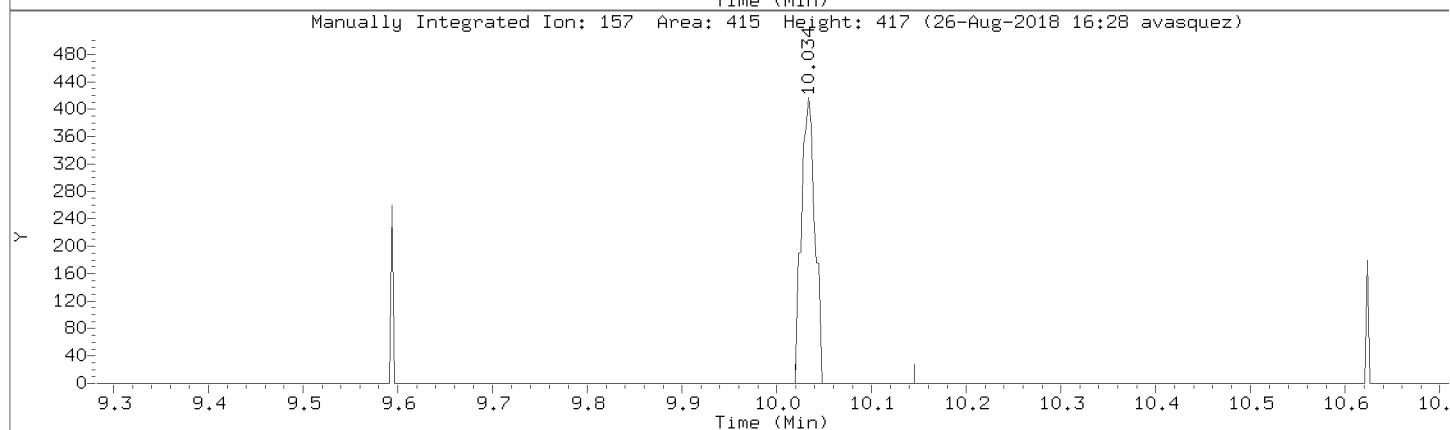
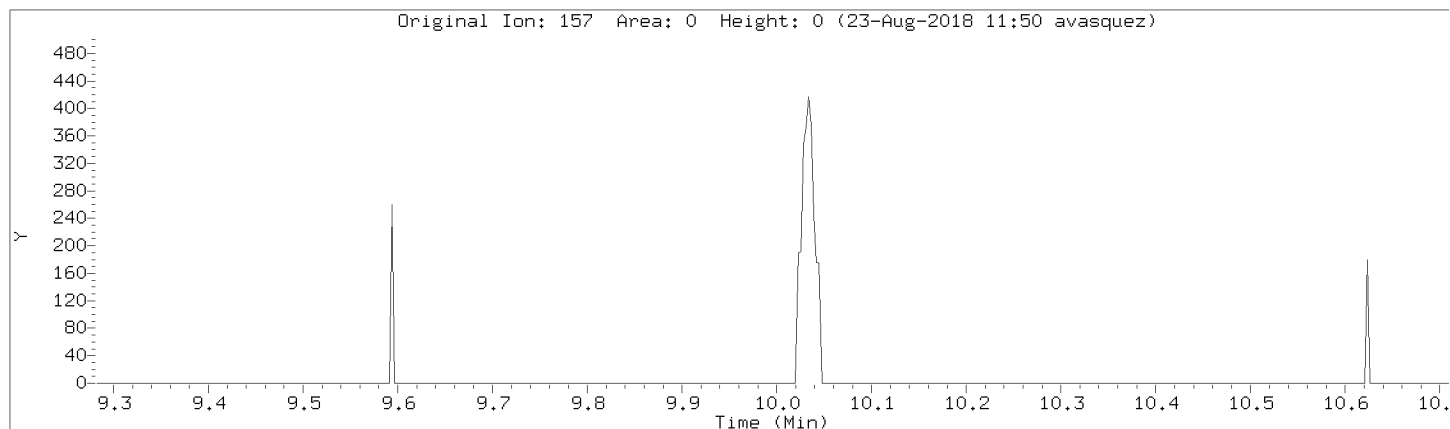


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

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



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d
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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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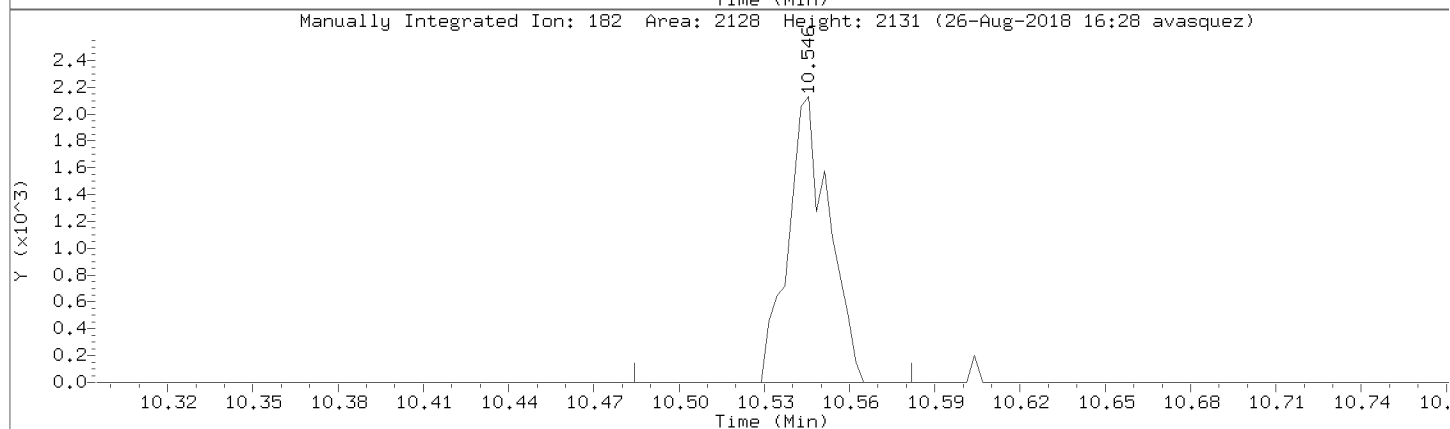
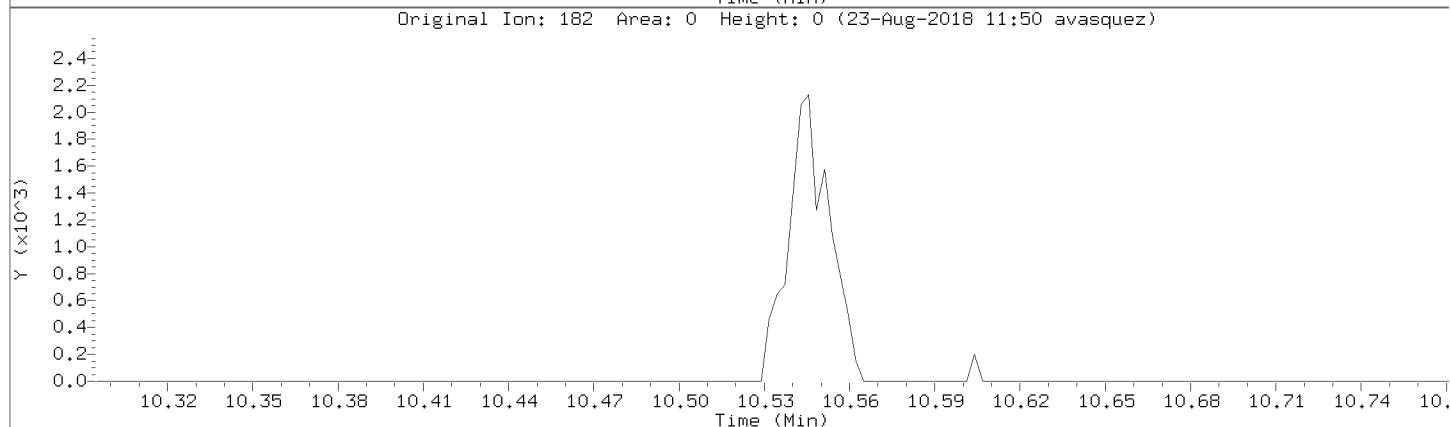
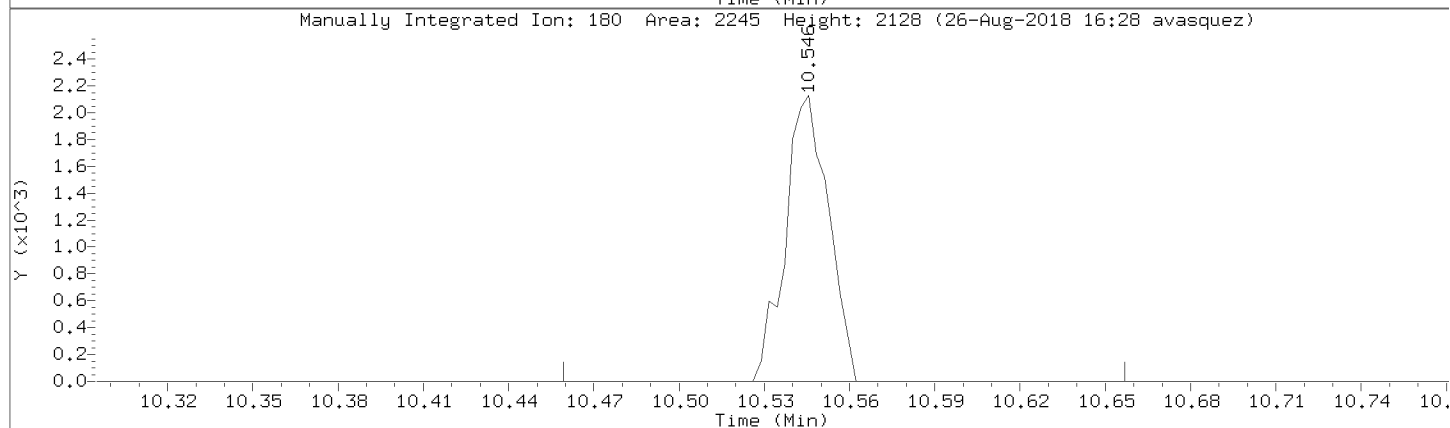
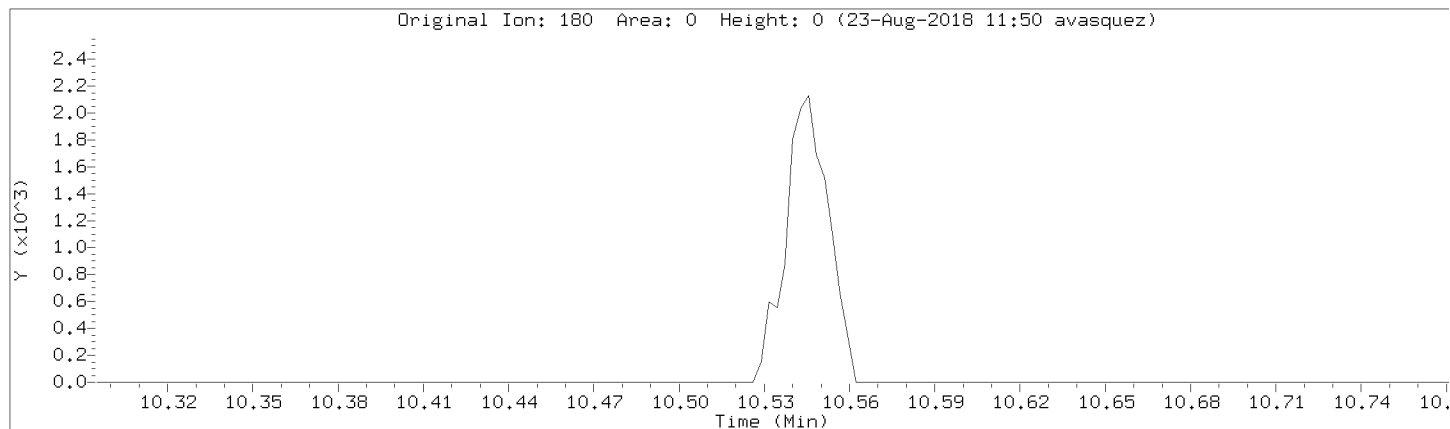
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

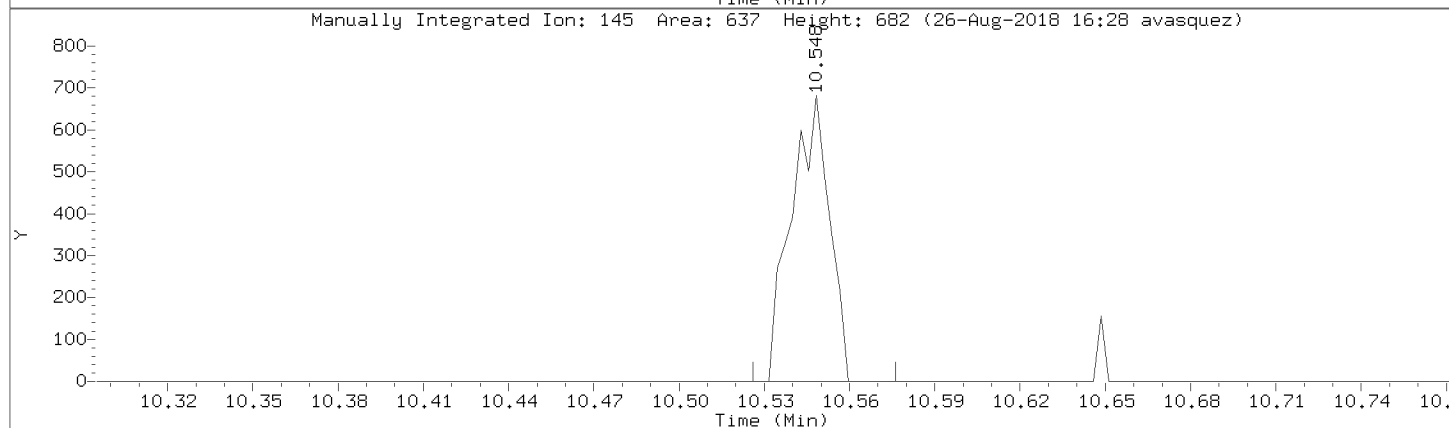
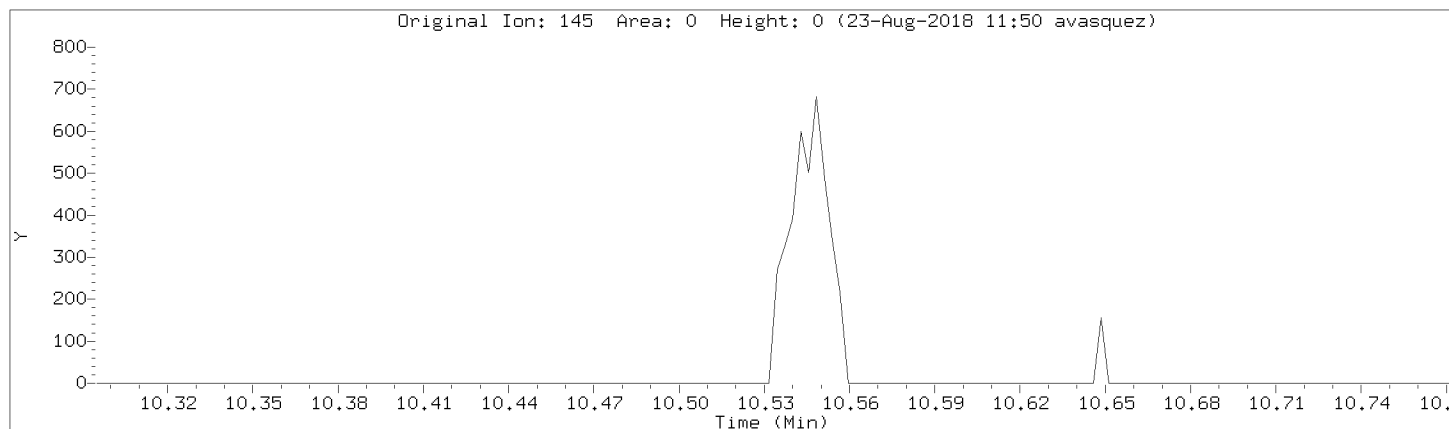
Compound: 1,2,4-Trichlorobenzene

Review Code: NI

CAS Number: 120-82-1

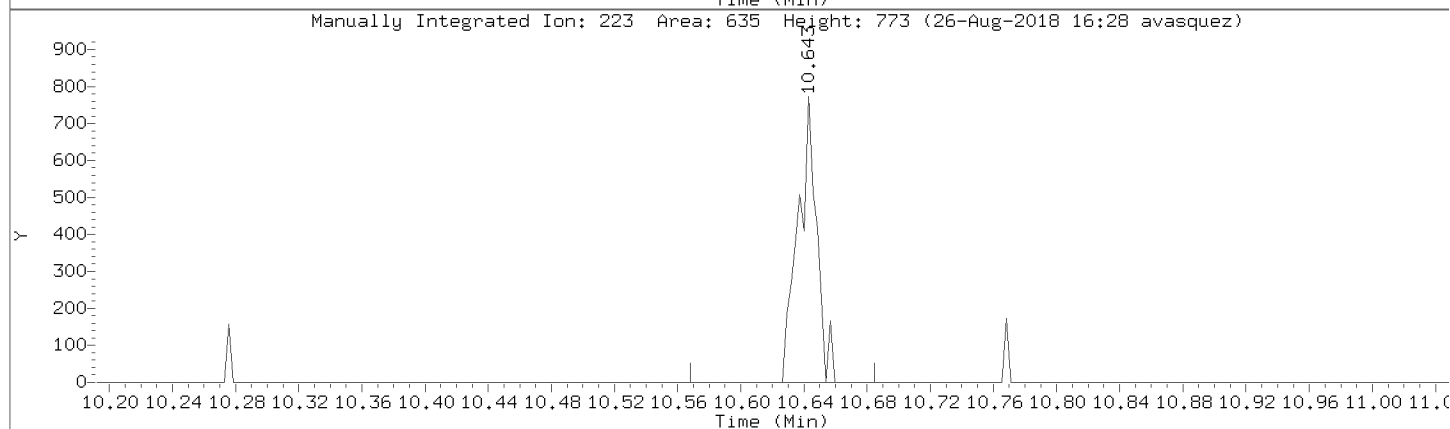
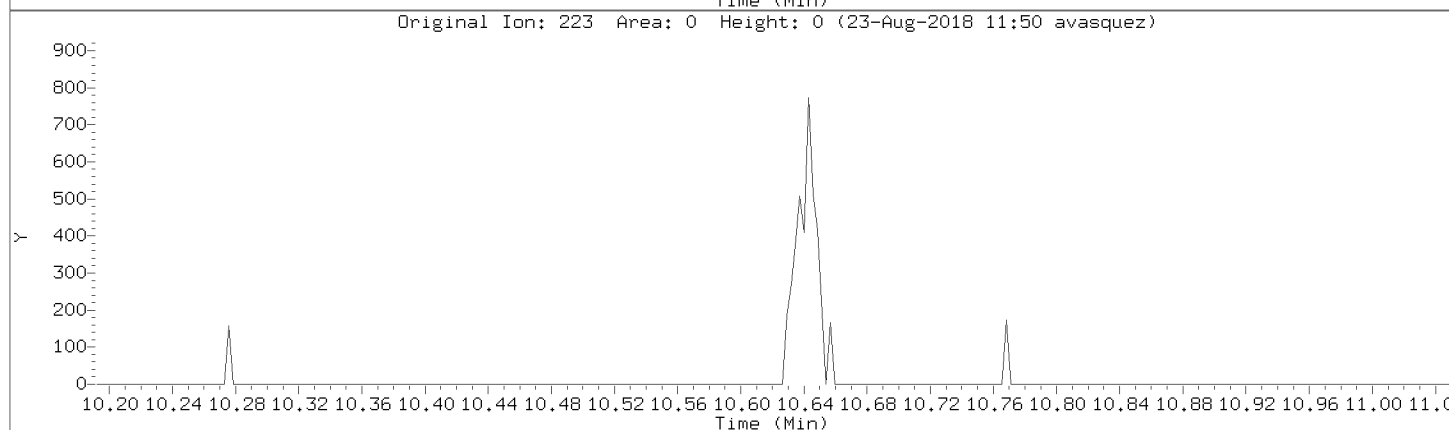
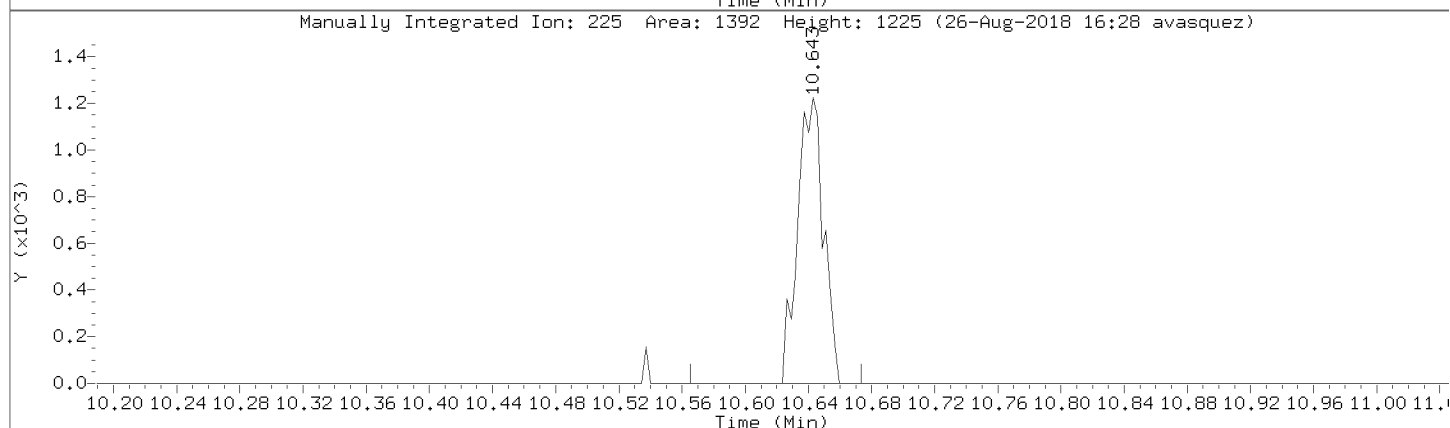
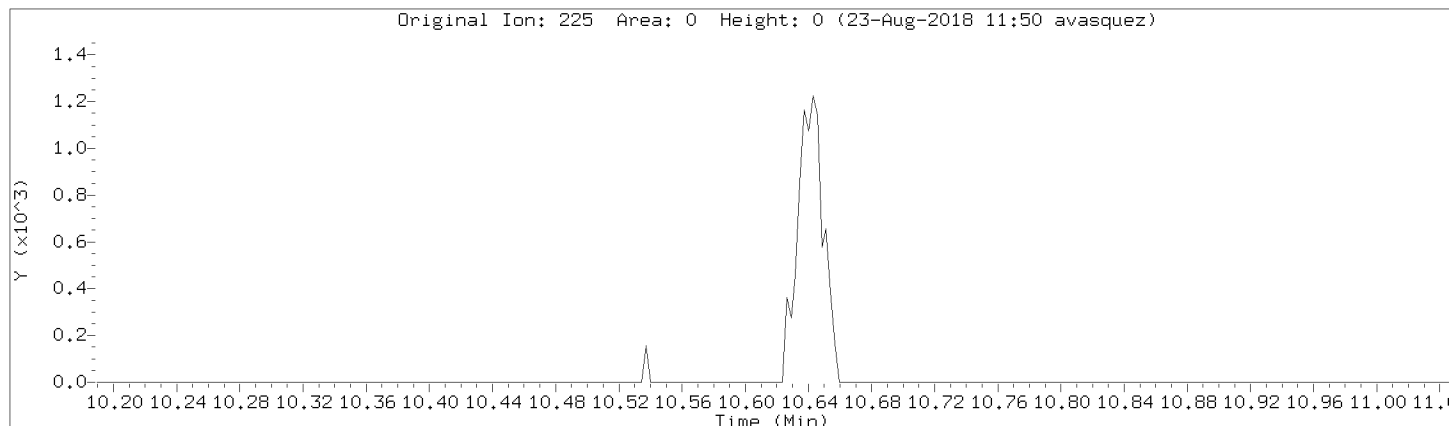


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

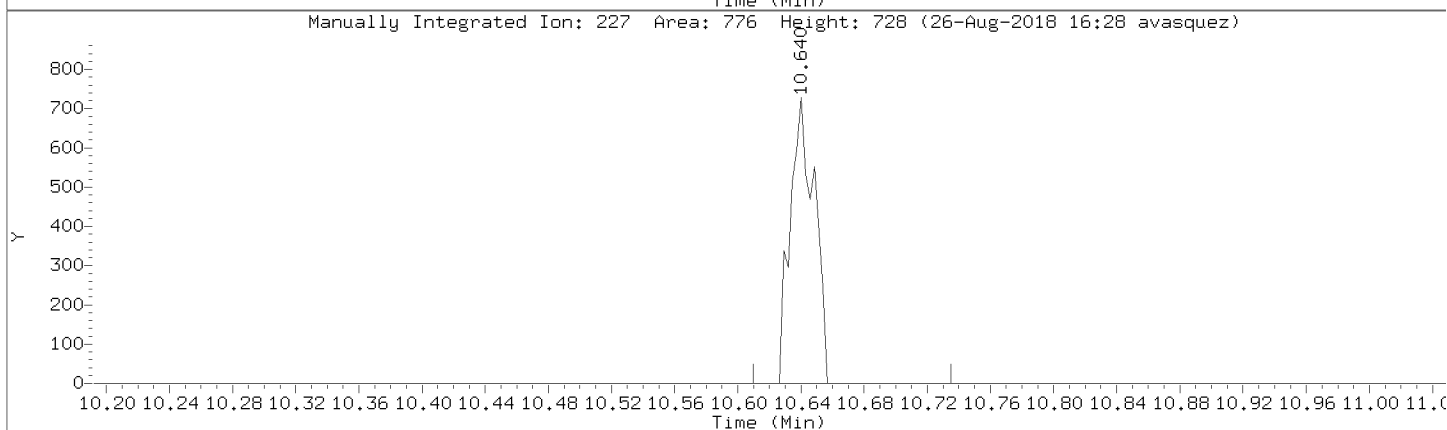
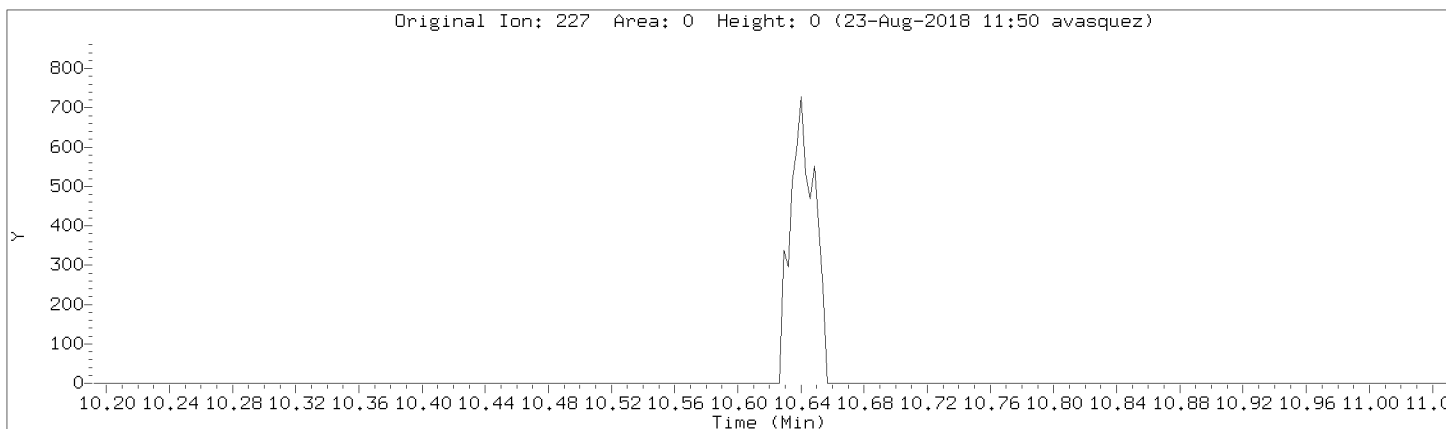


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

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

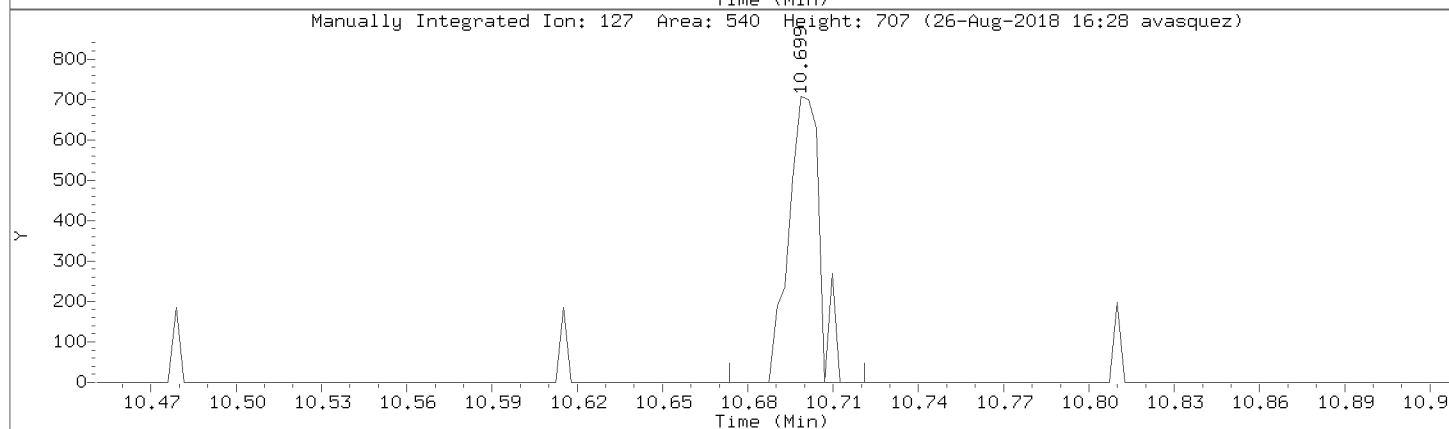
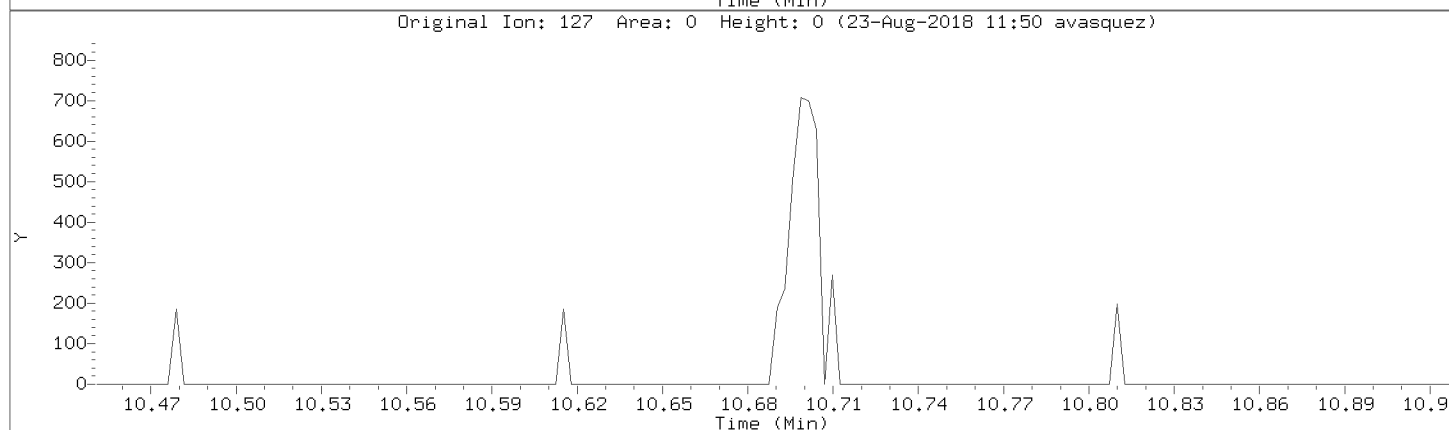
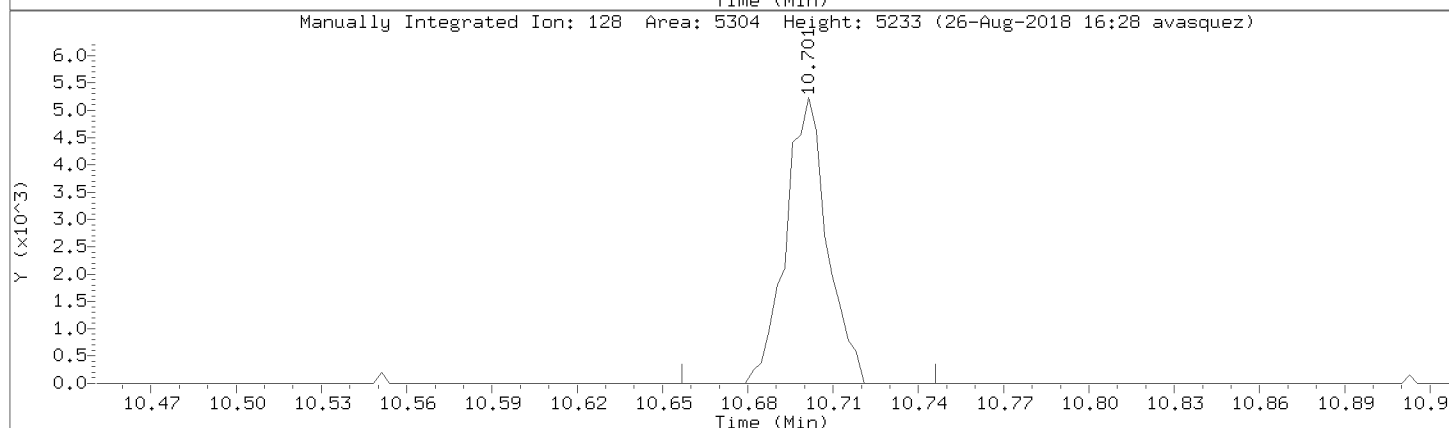
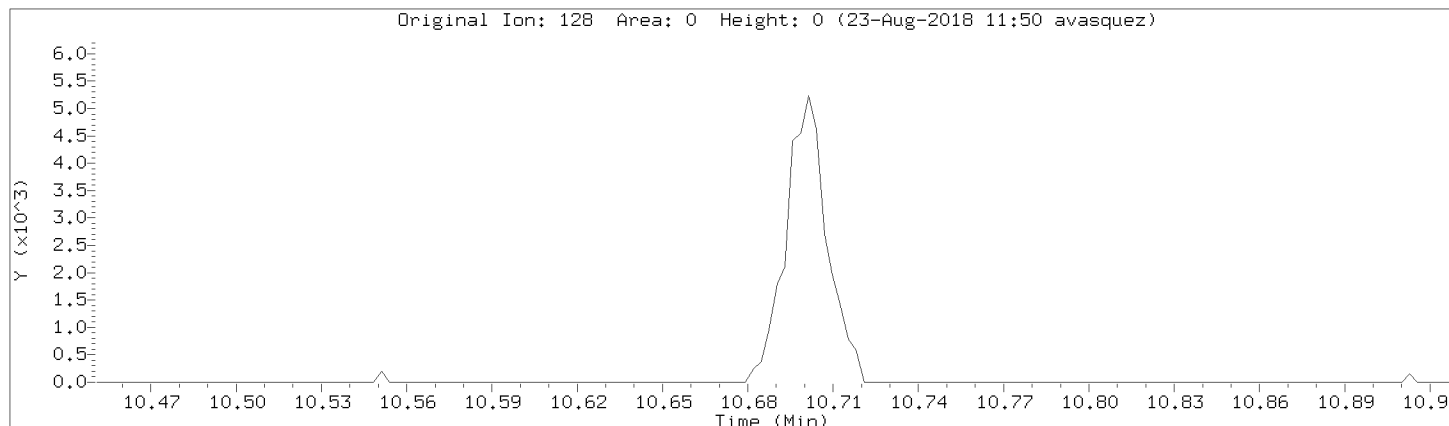


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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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



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Injection Date: 22-AUG-2018 14:52

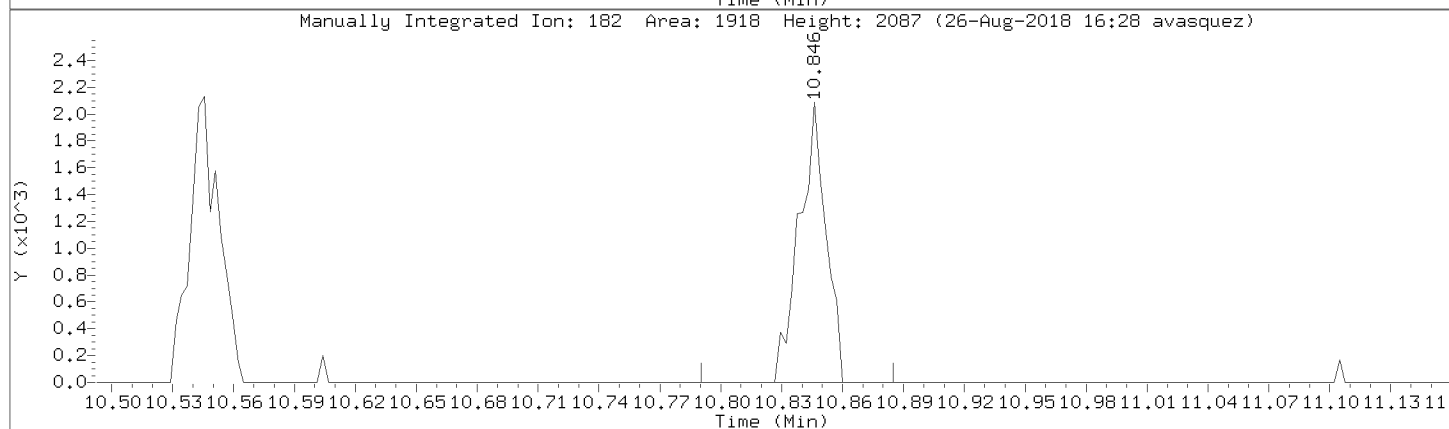
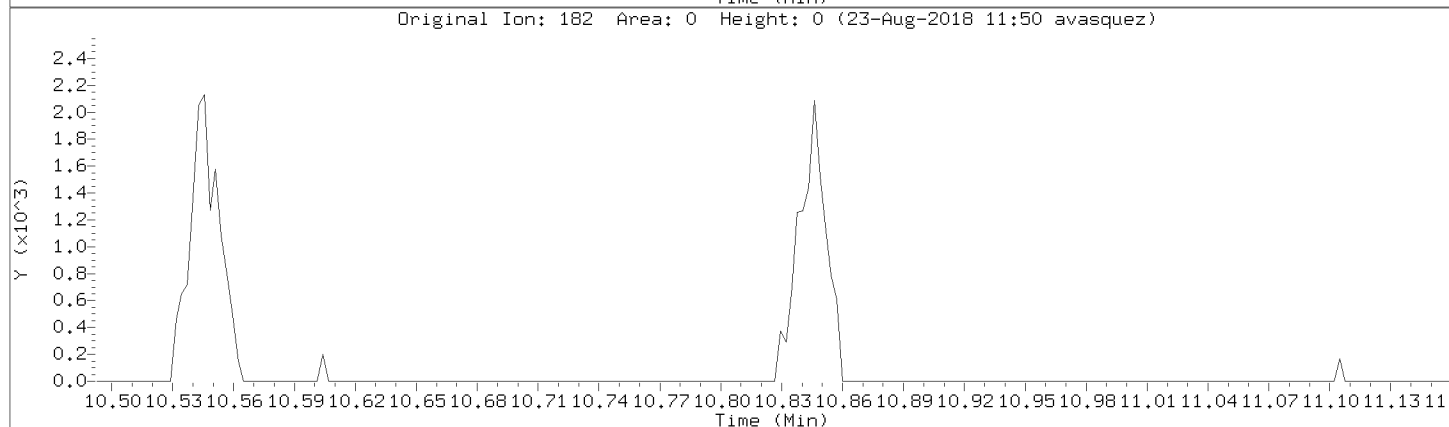
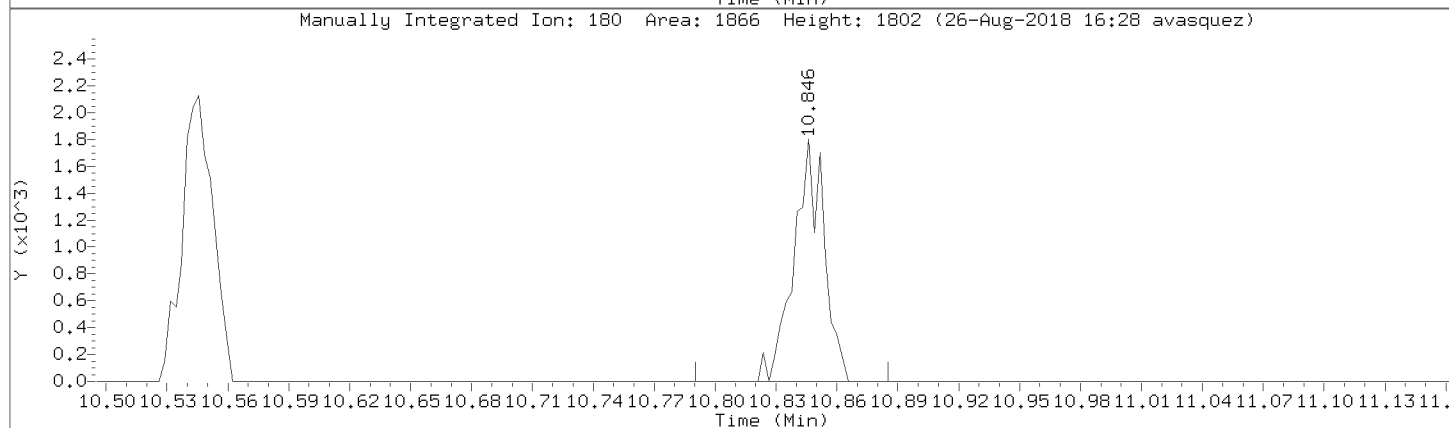
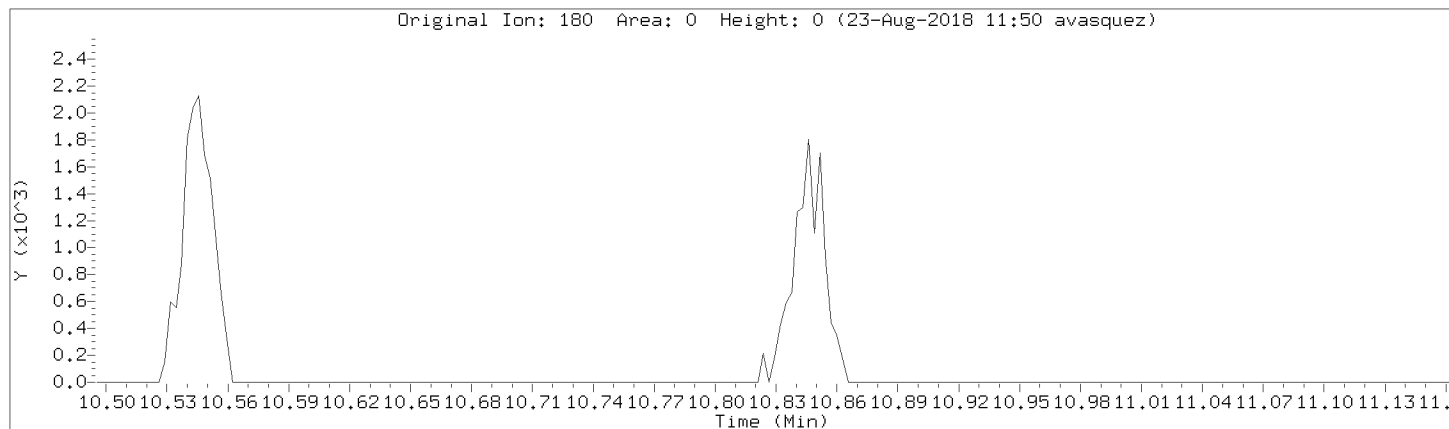
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

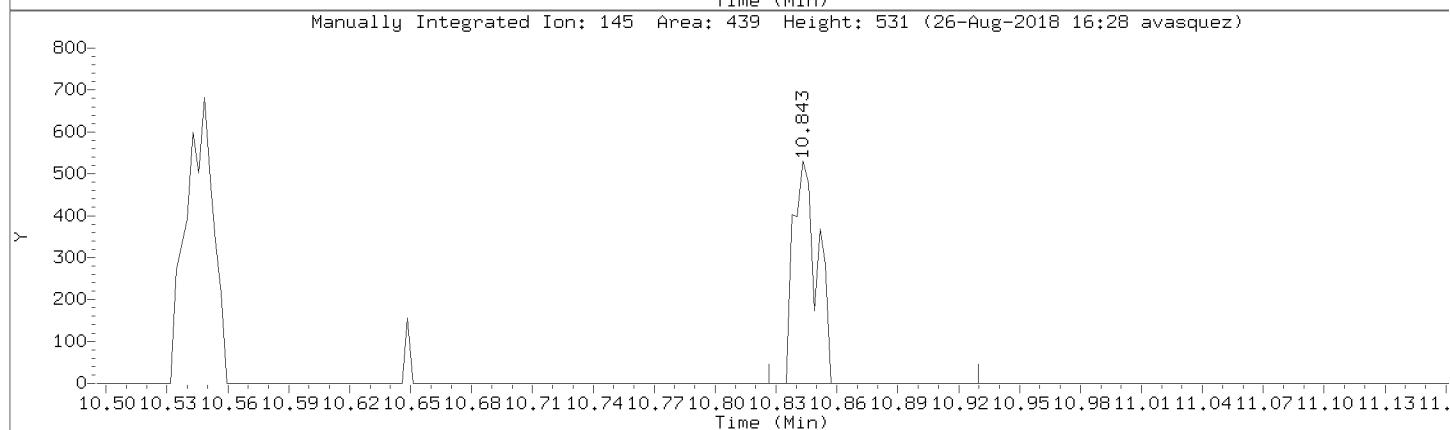
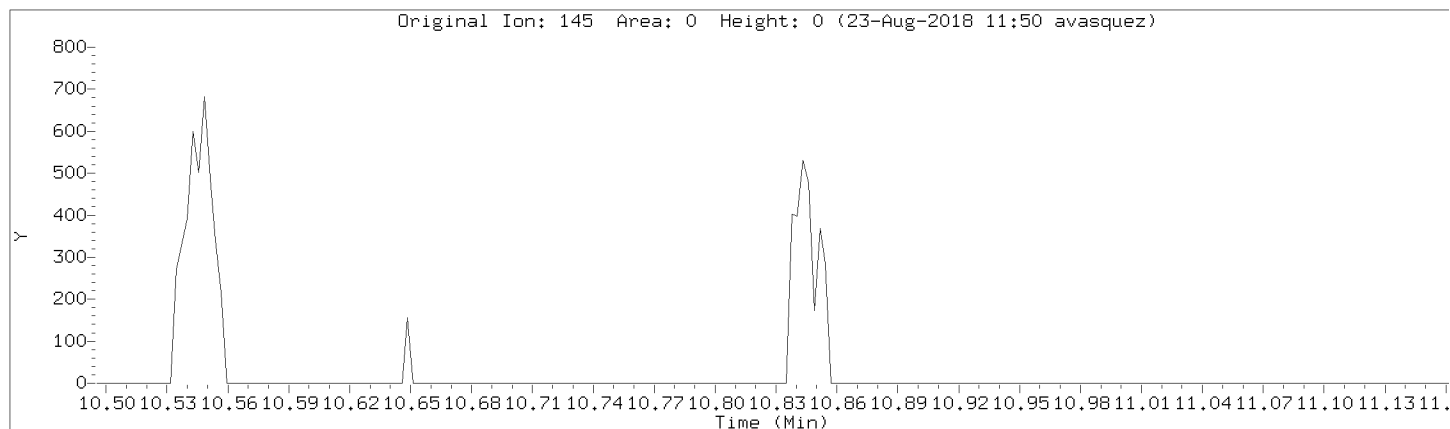
Compound: 1,2,3-Trichlorobenzene

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



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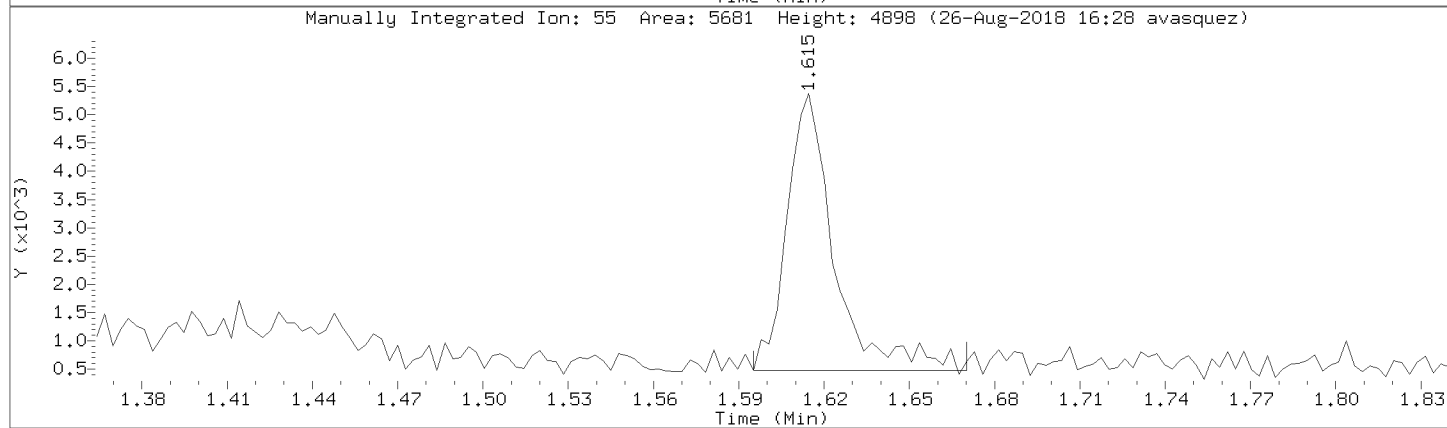
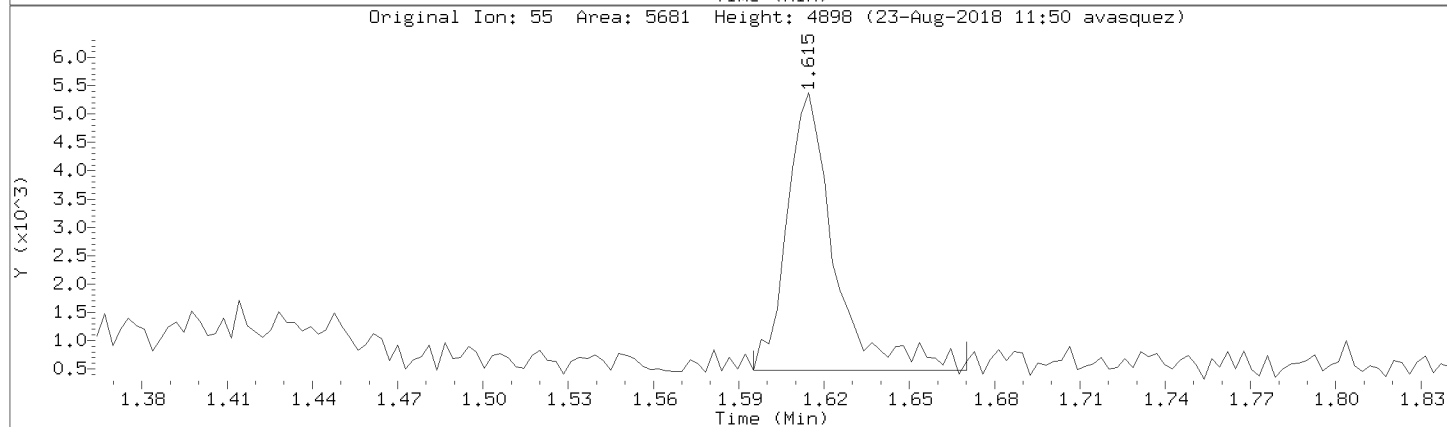
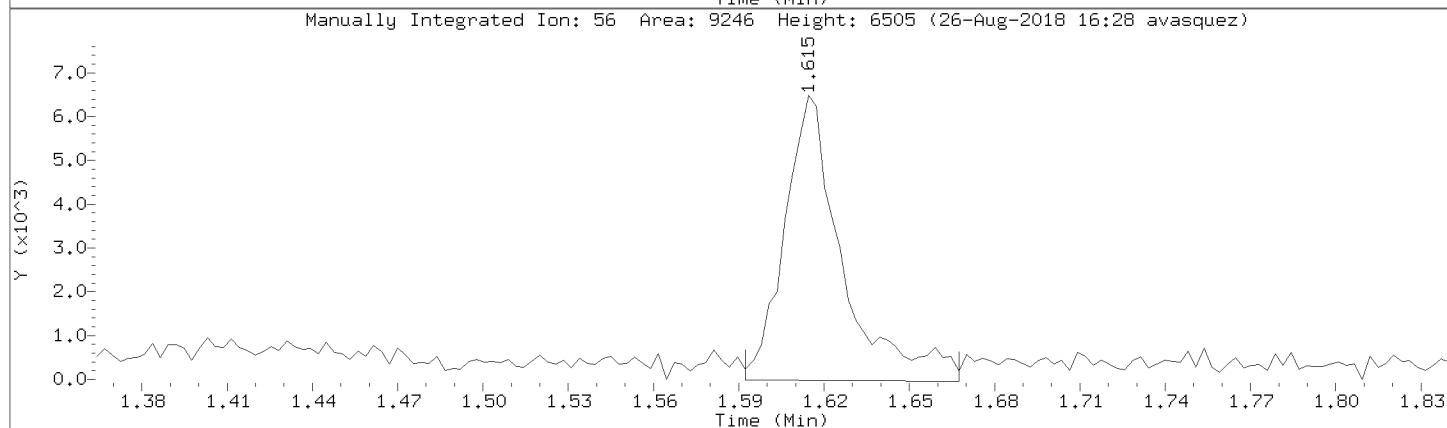
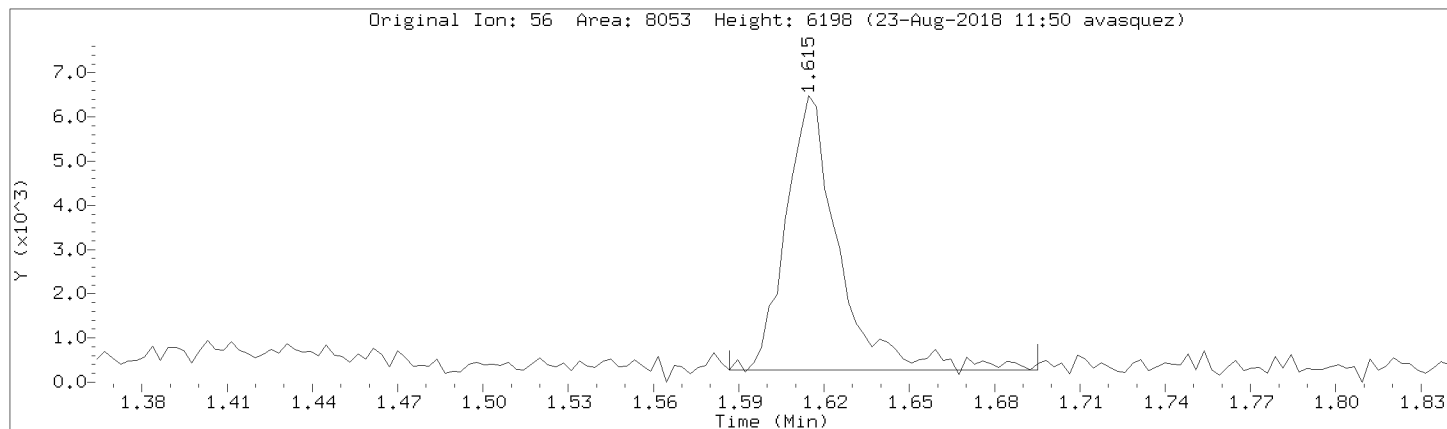
Injection Date: 22-AUG-2018 14:52

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: Acrolein Review Code: NI

CAS Number: 107-02-8



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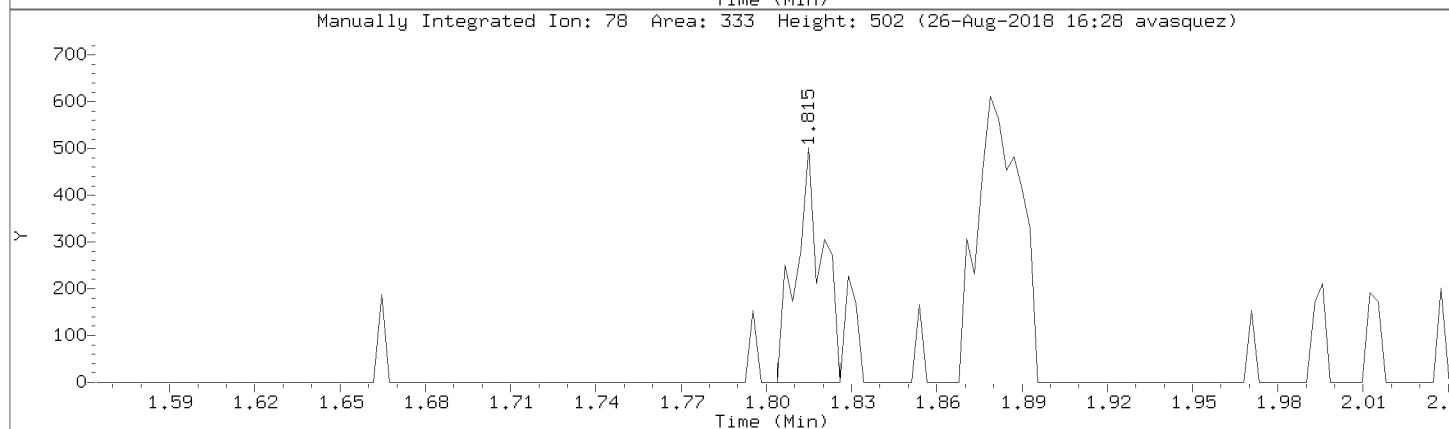
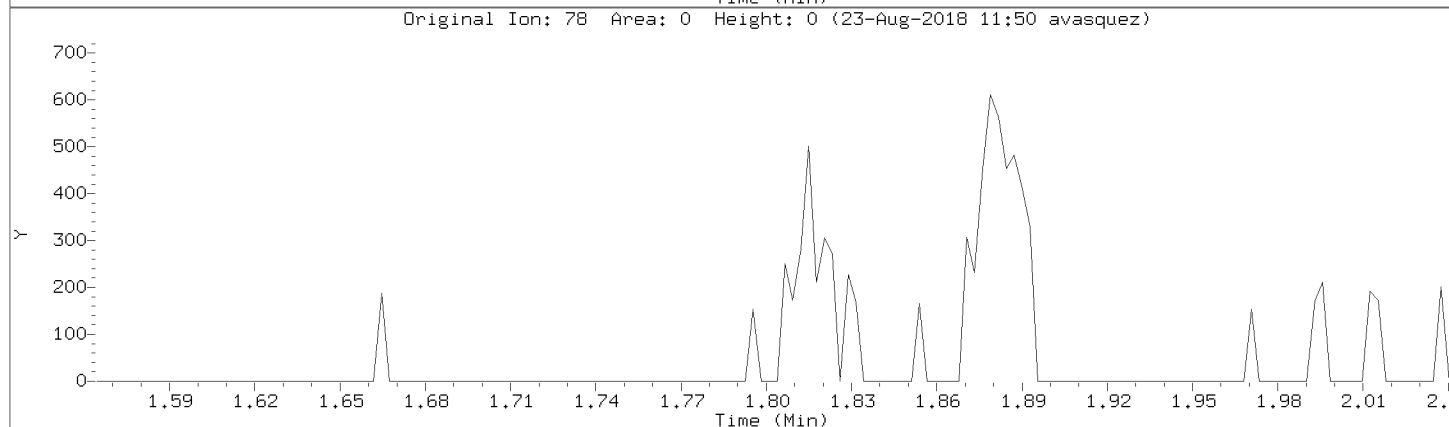
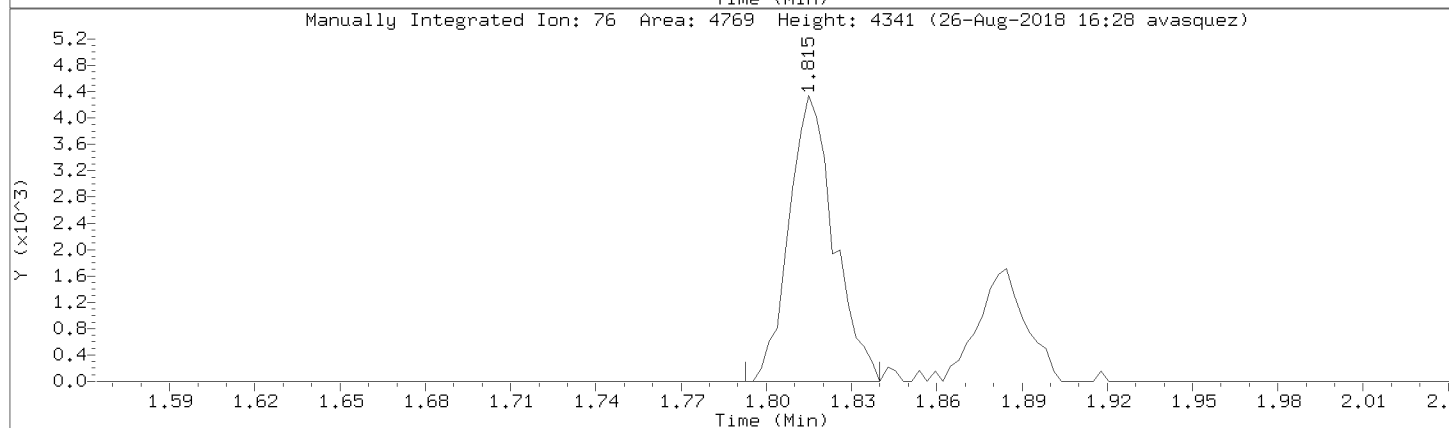
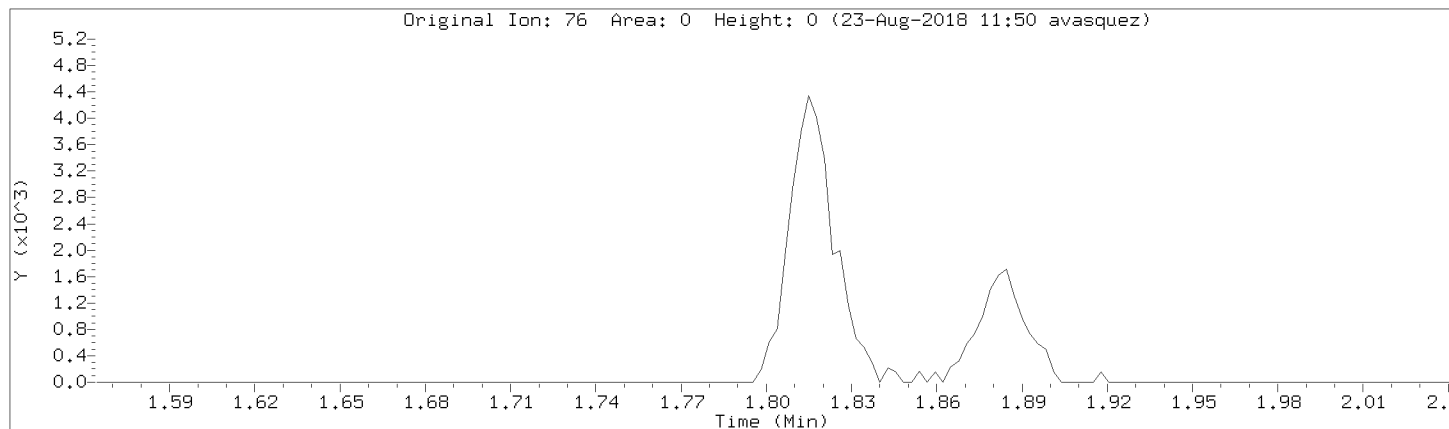
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: Carbon Disulfide

Review Code:

CAS Number: 75-15-0



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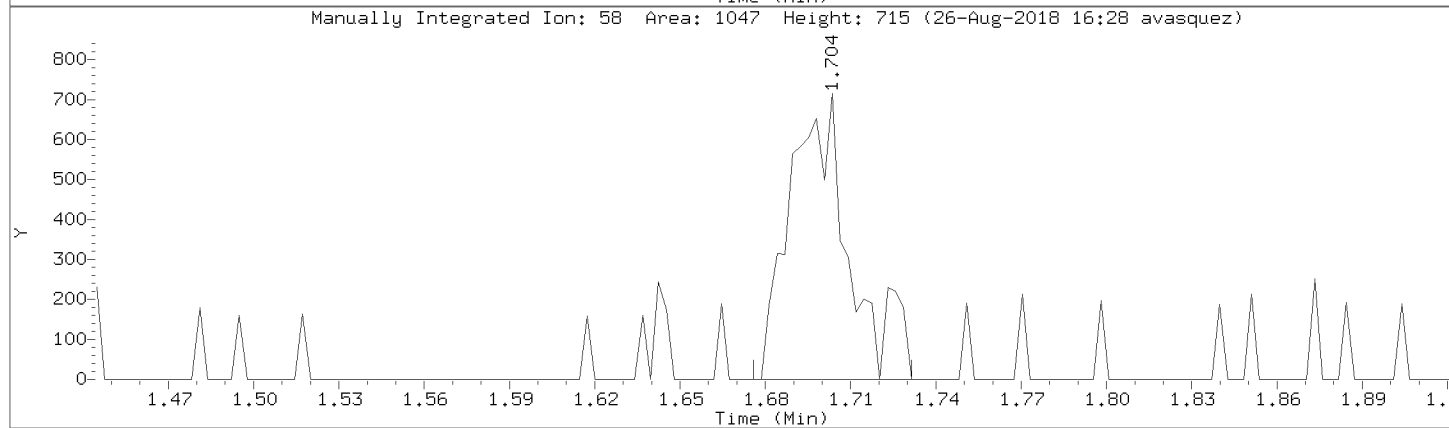
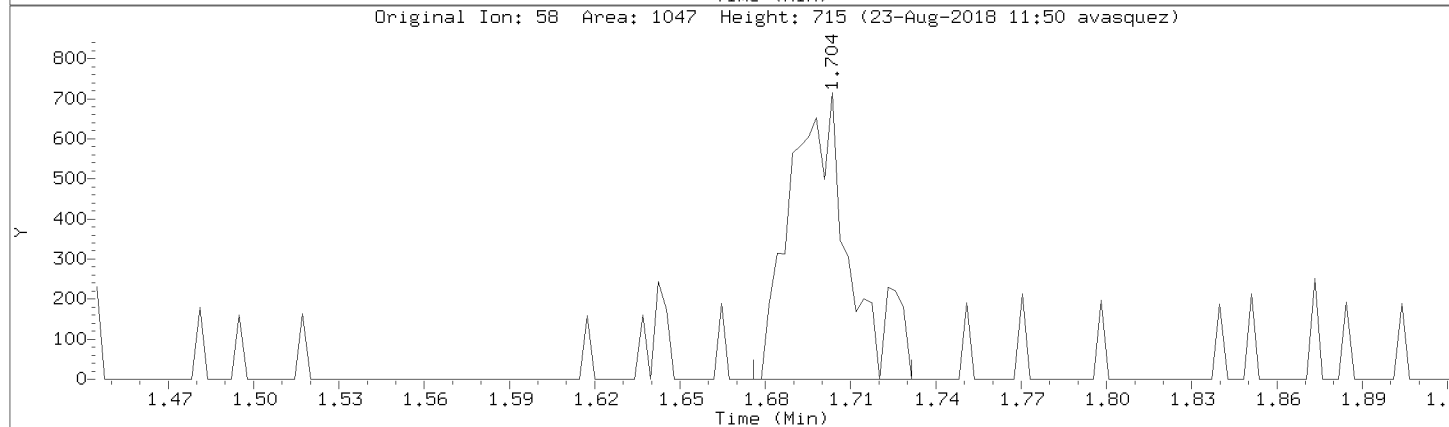
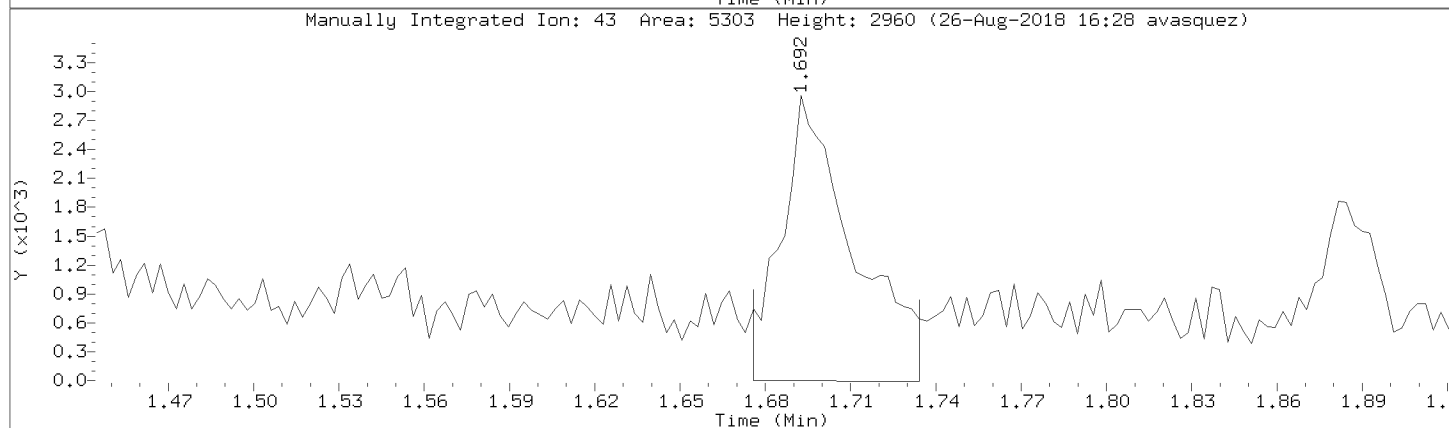
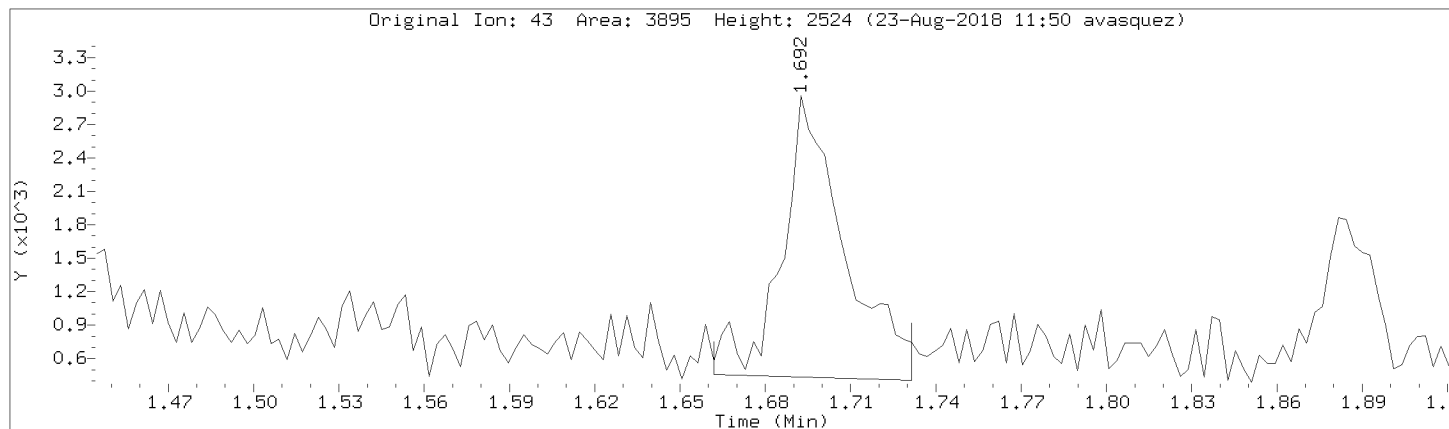
Injection Date: 22-AUG-2018 14:52

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

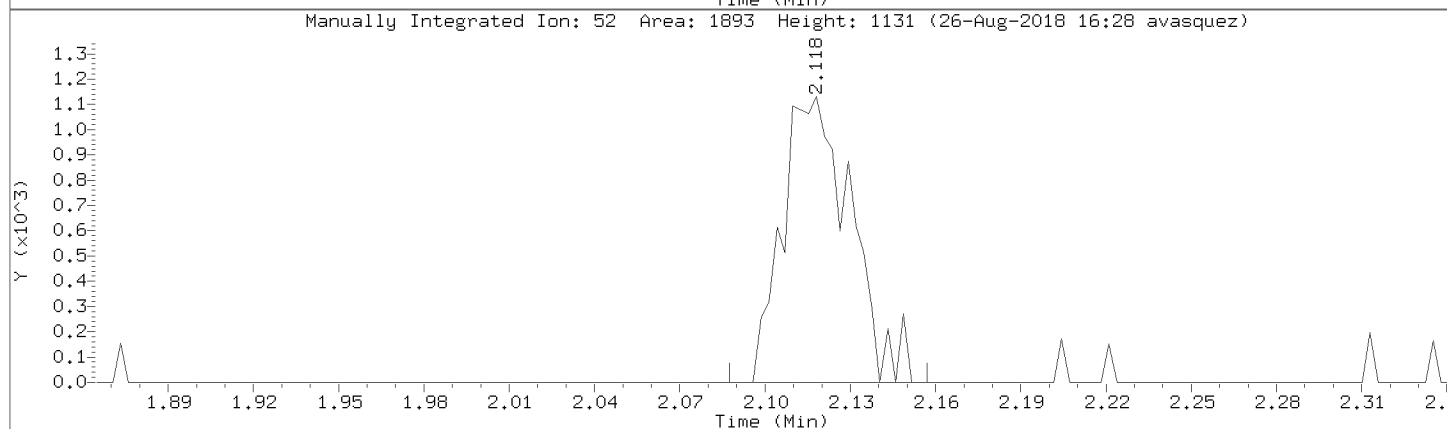
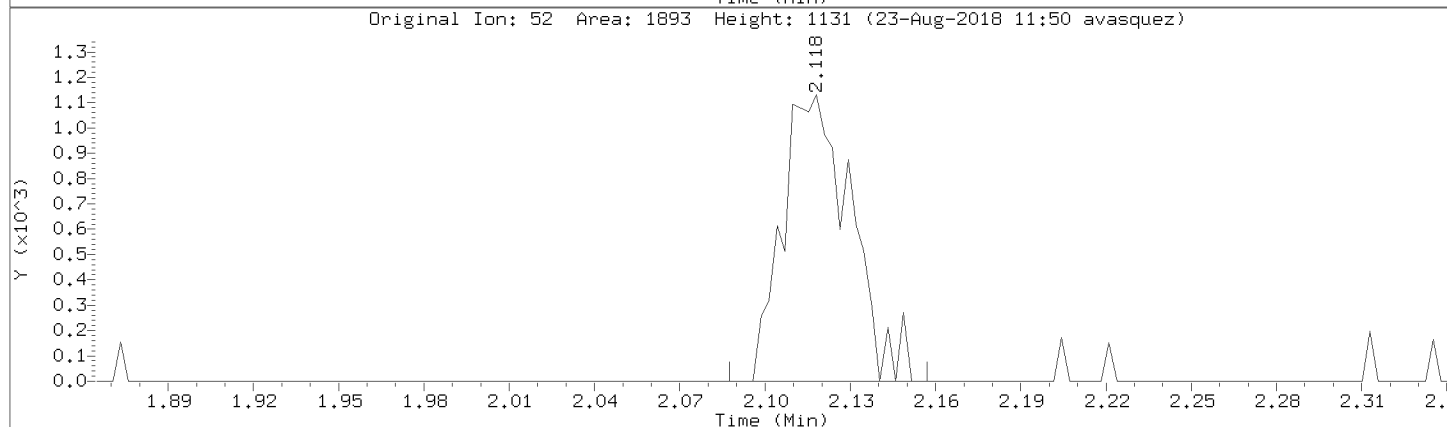
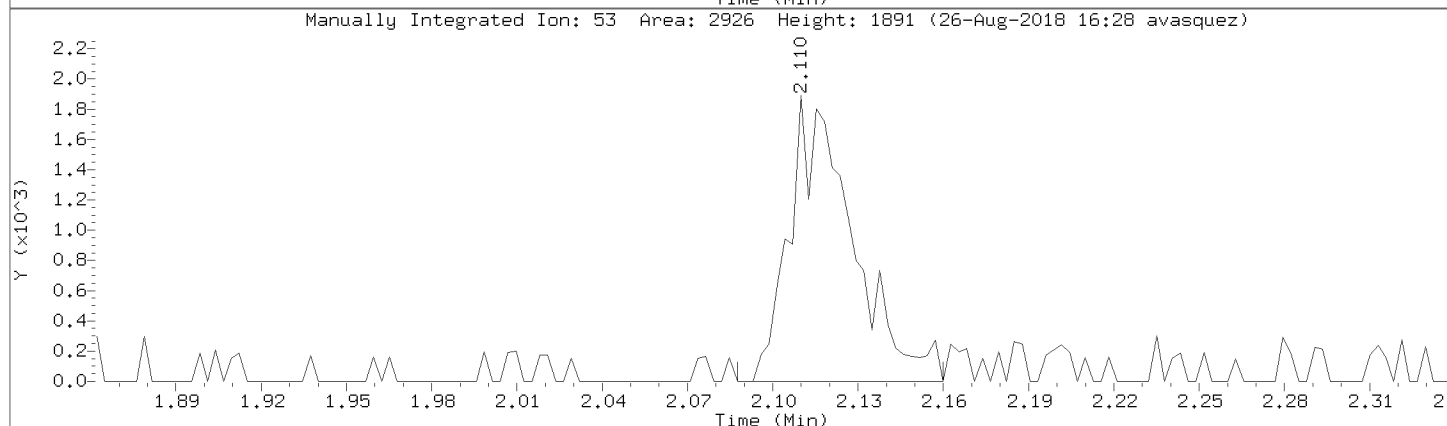
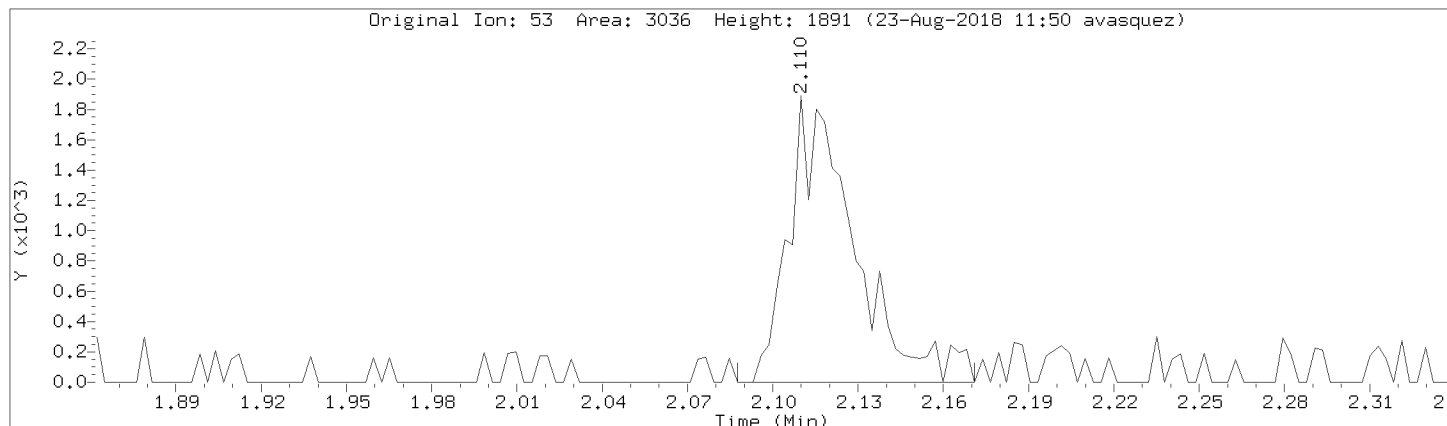
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: Acrylonitrile

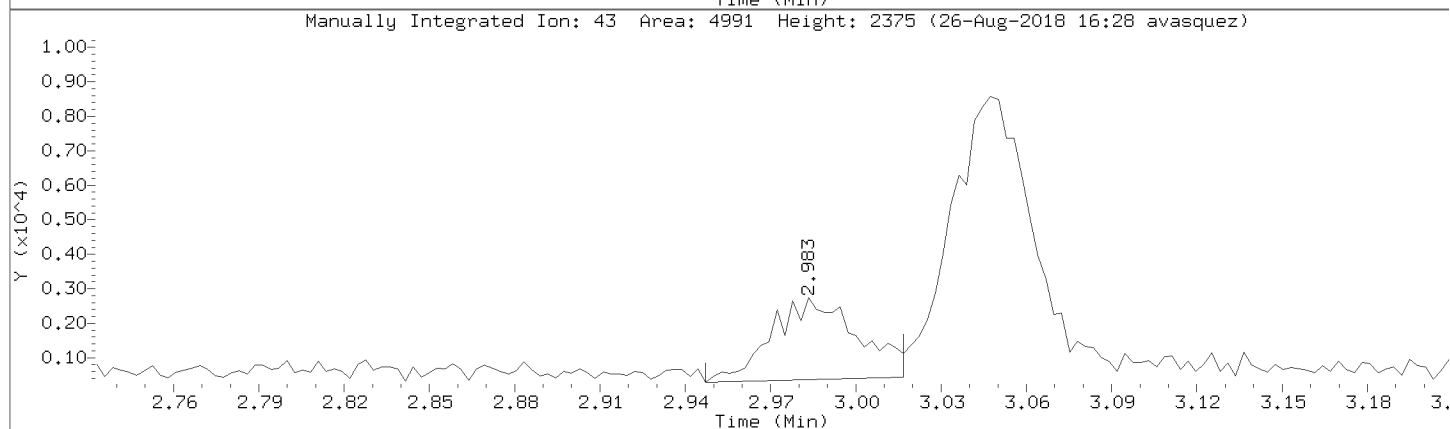
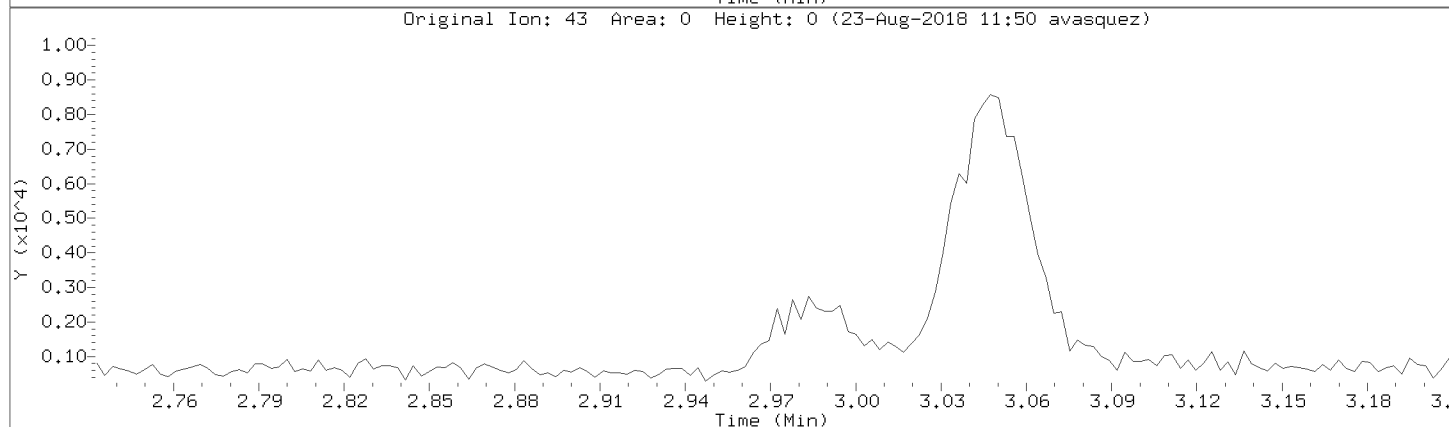
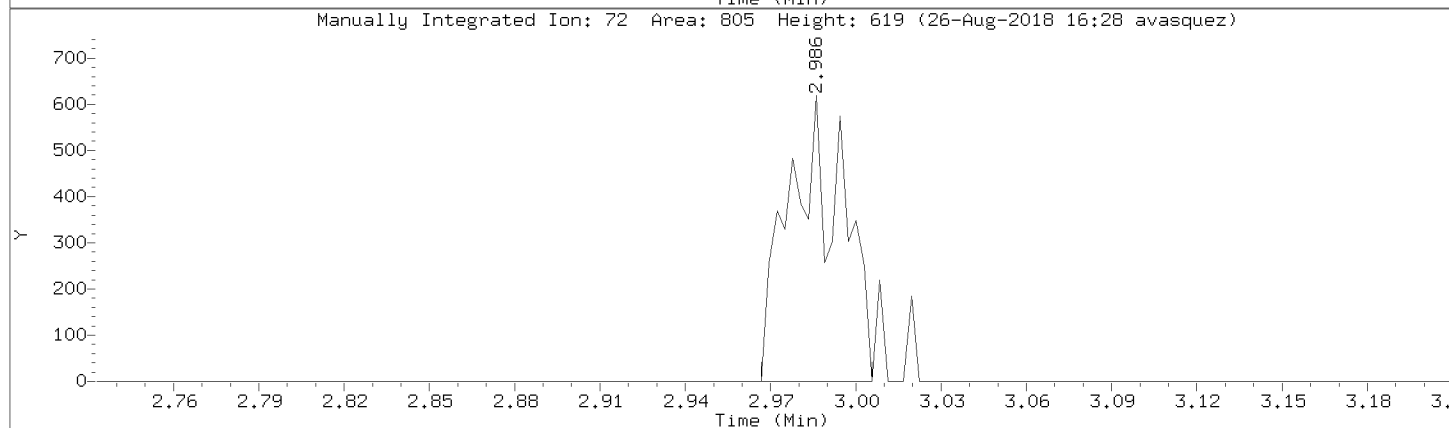
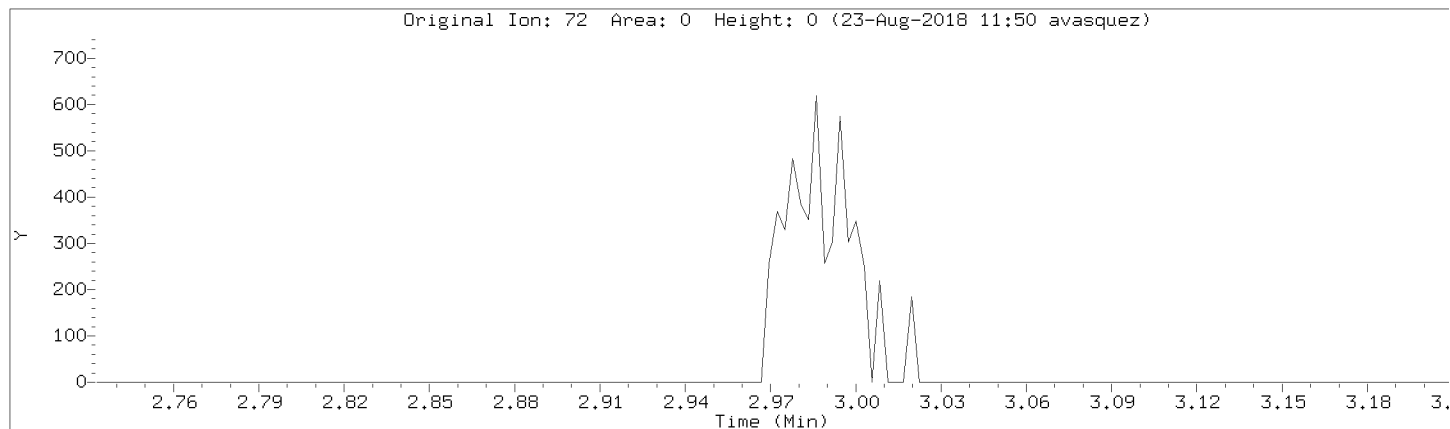
Review Code: GT

CAS Number: 107-13-1

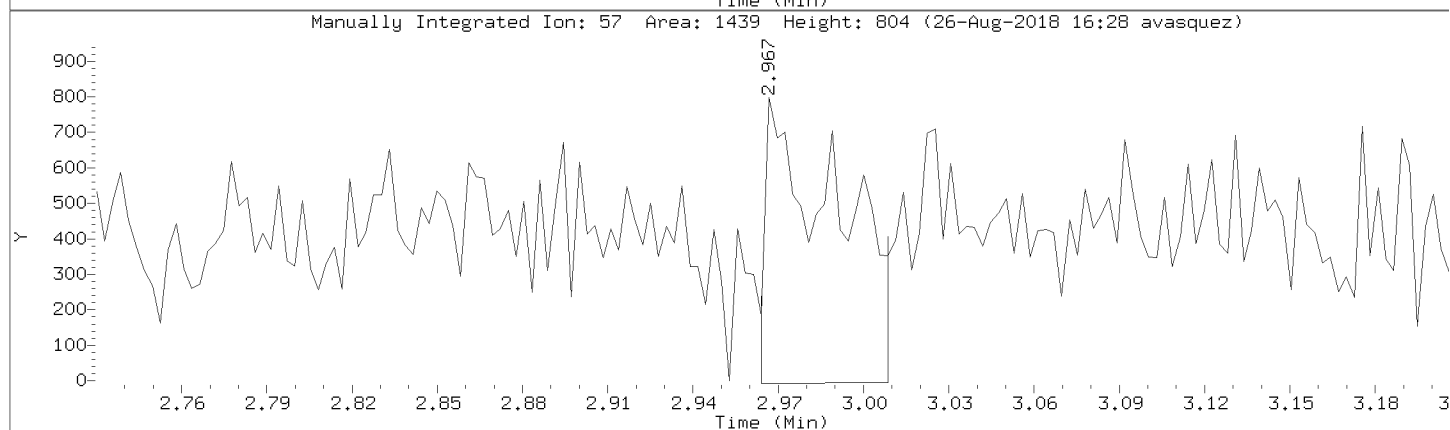
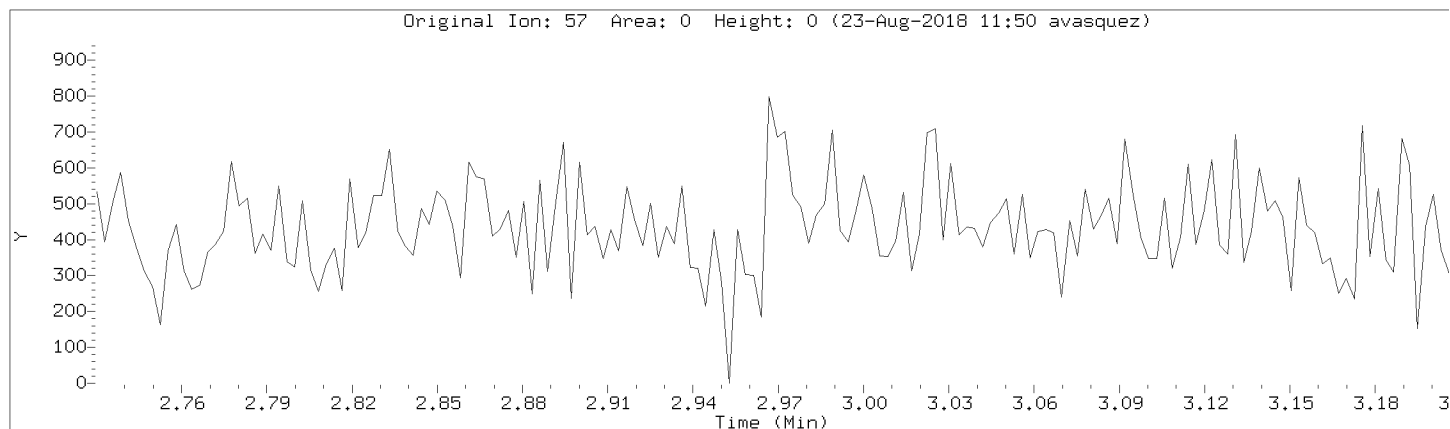


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

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

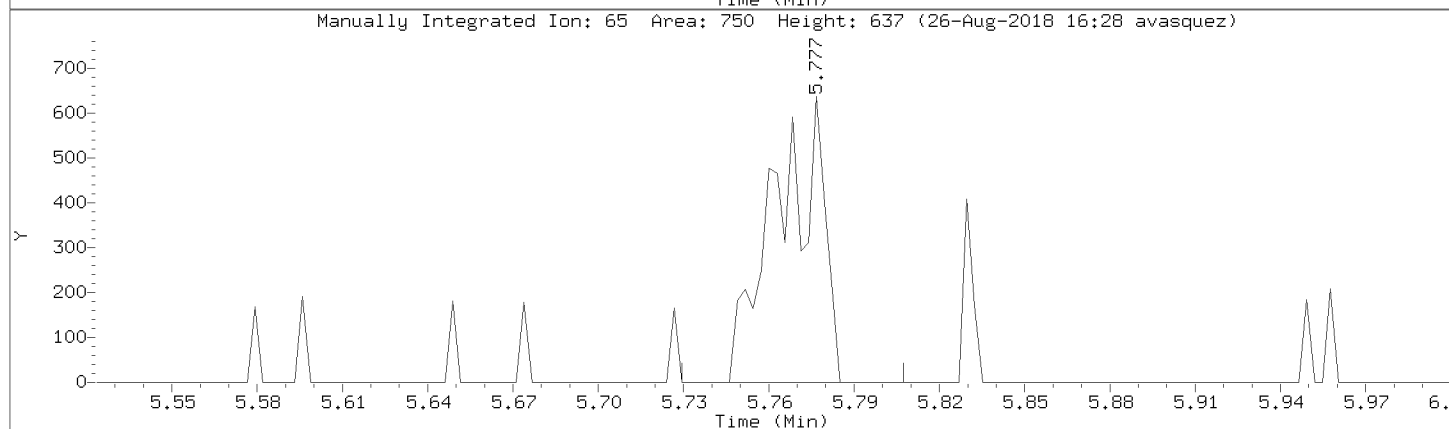
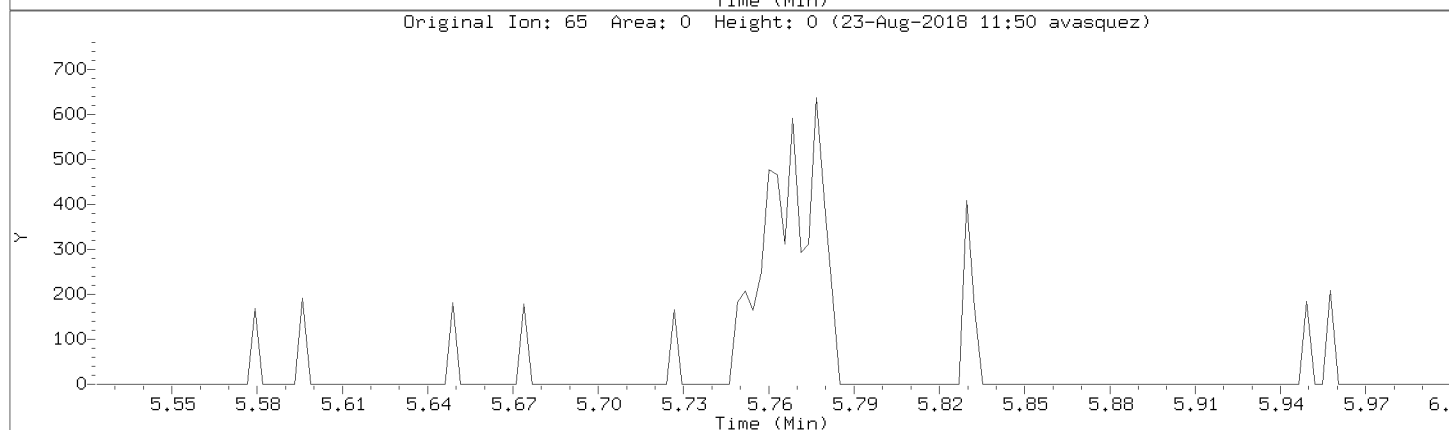
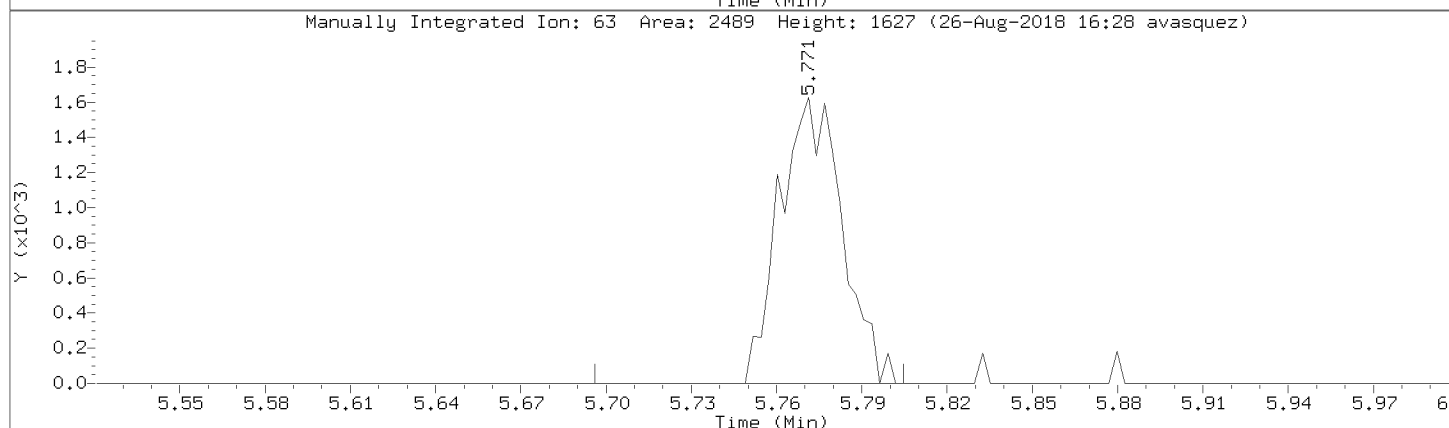
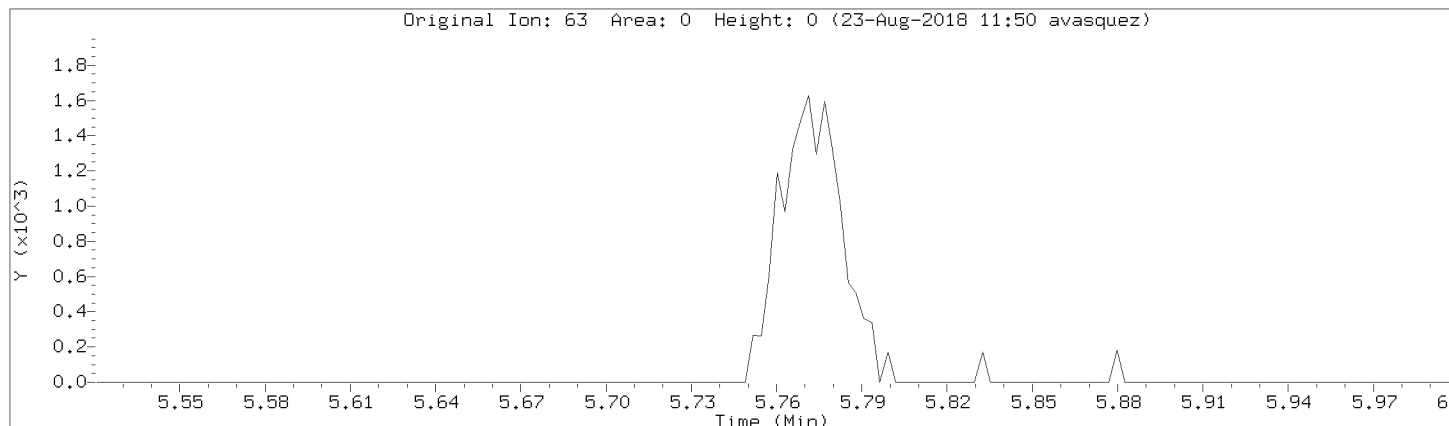


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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

Compound: 2-Chloroethyl vinyl ether Review Code: NI
CAS Number: 110-75-8



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Injection Date: 22-AUG-2018 14:52

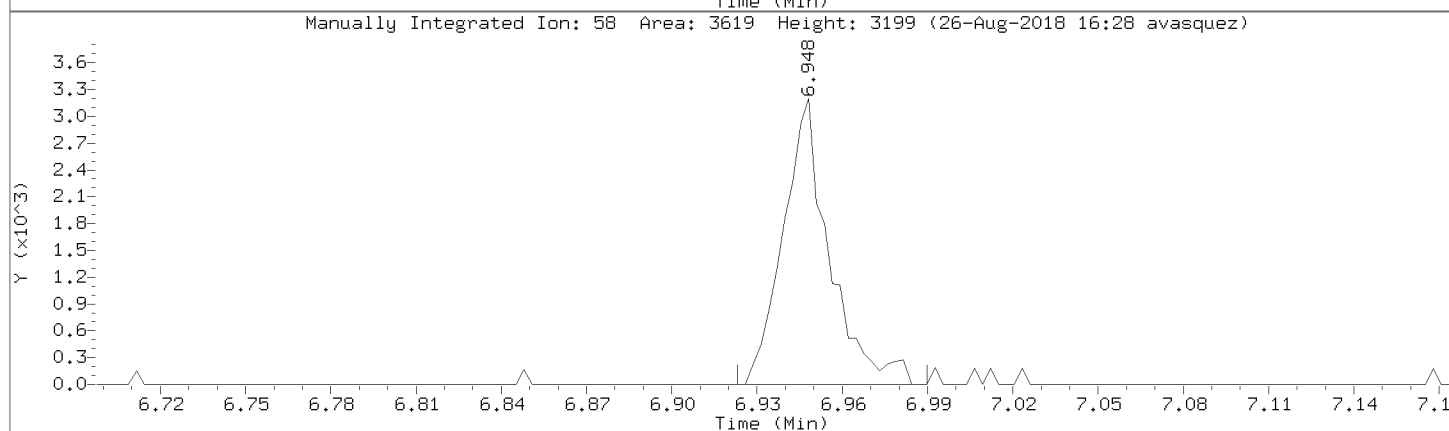
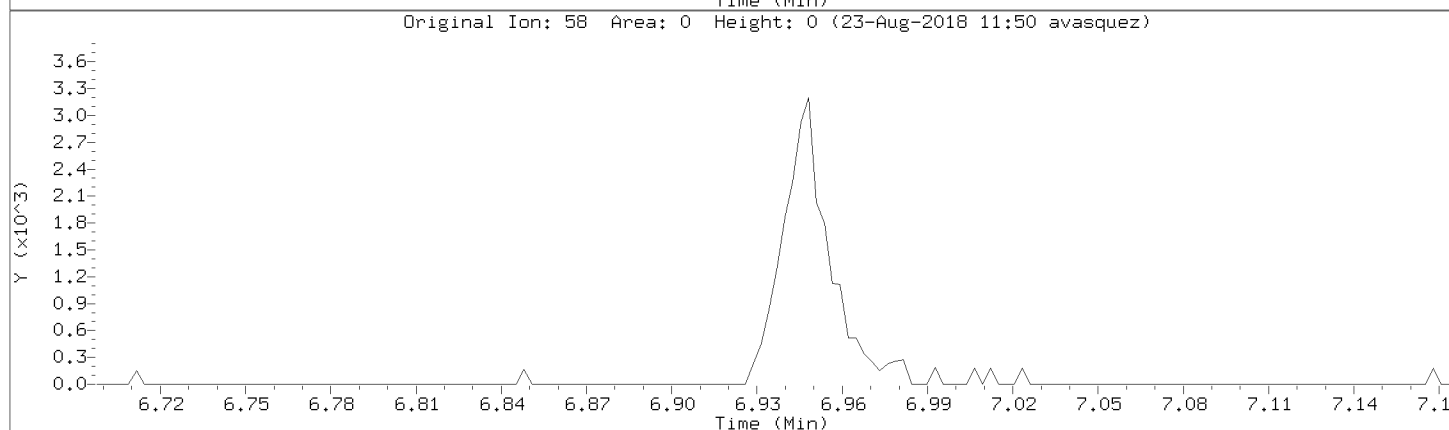
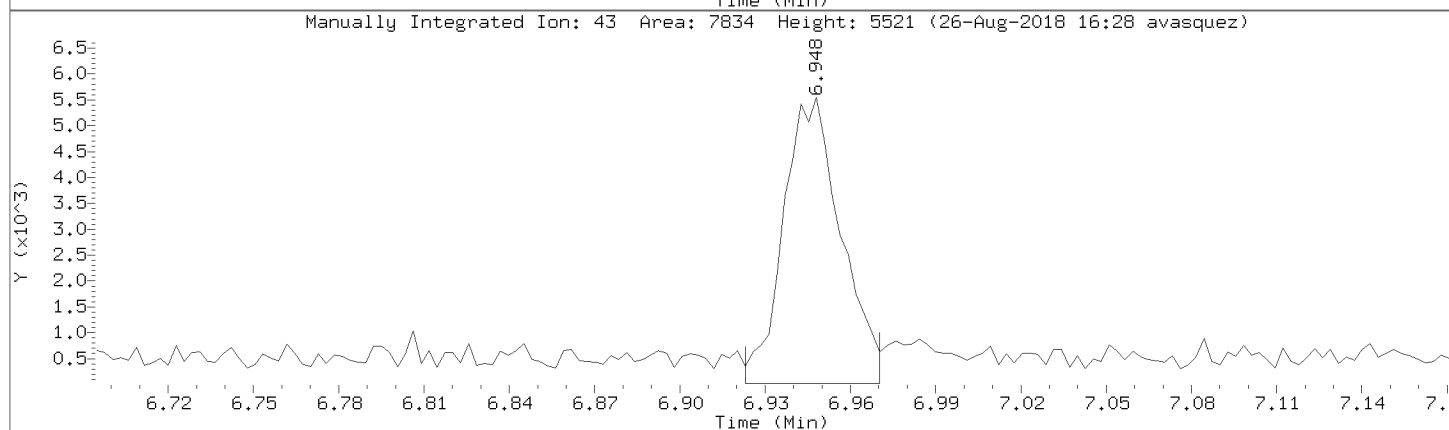
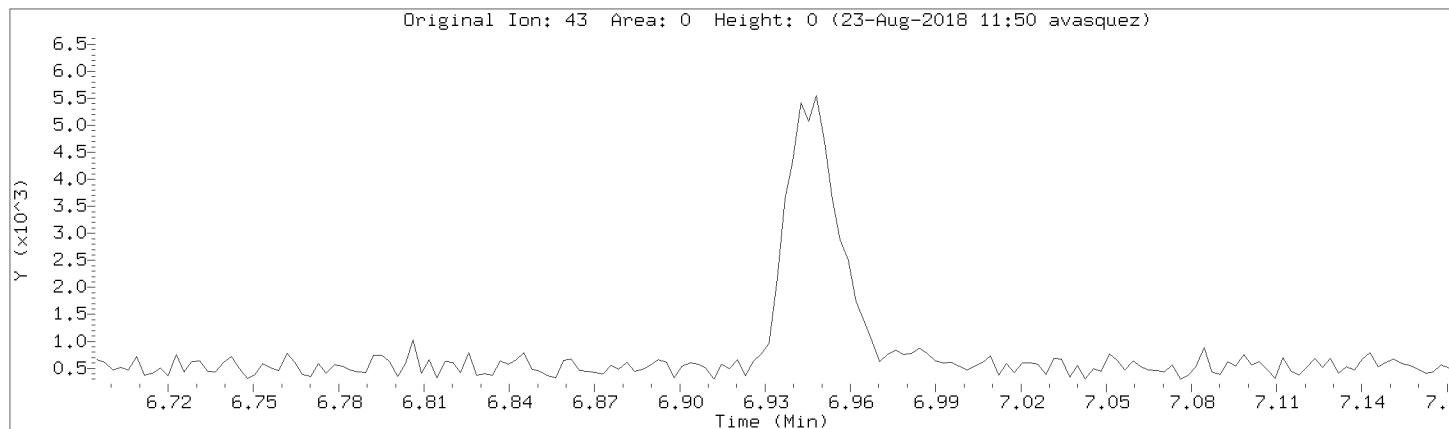
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

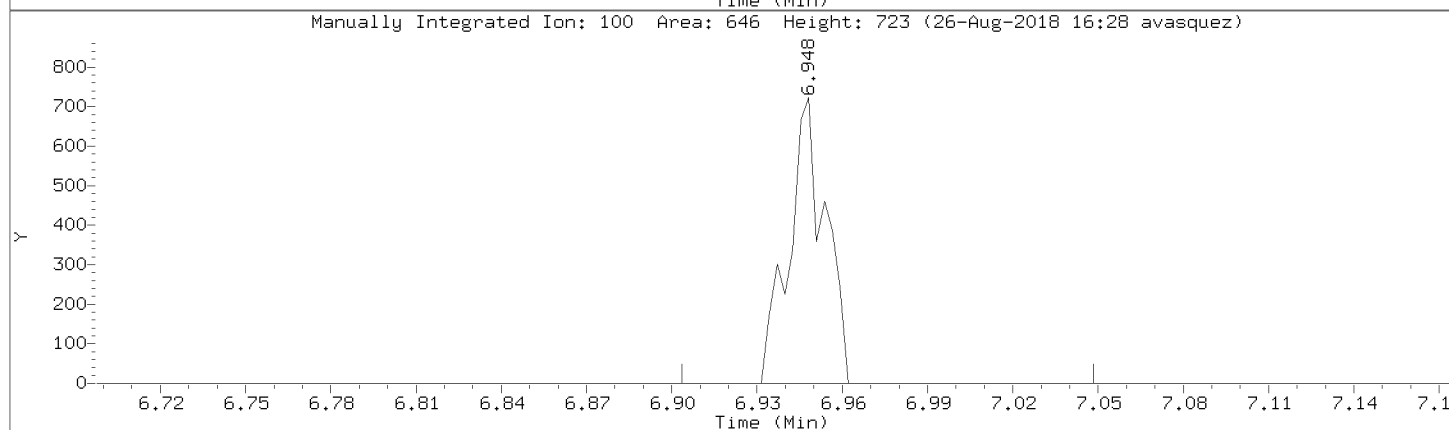
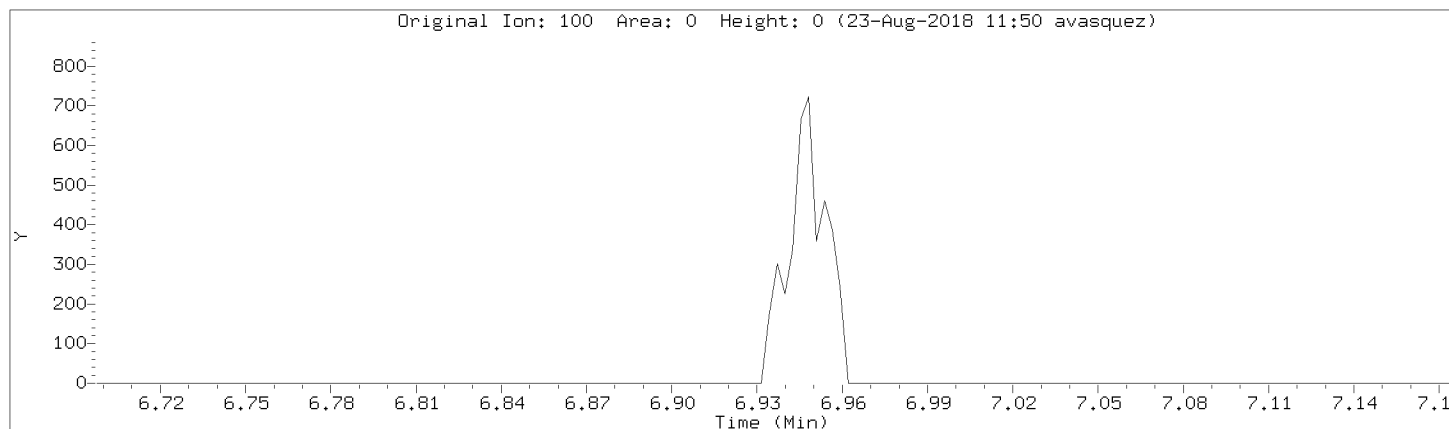
Compound: 2-Hexanone

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

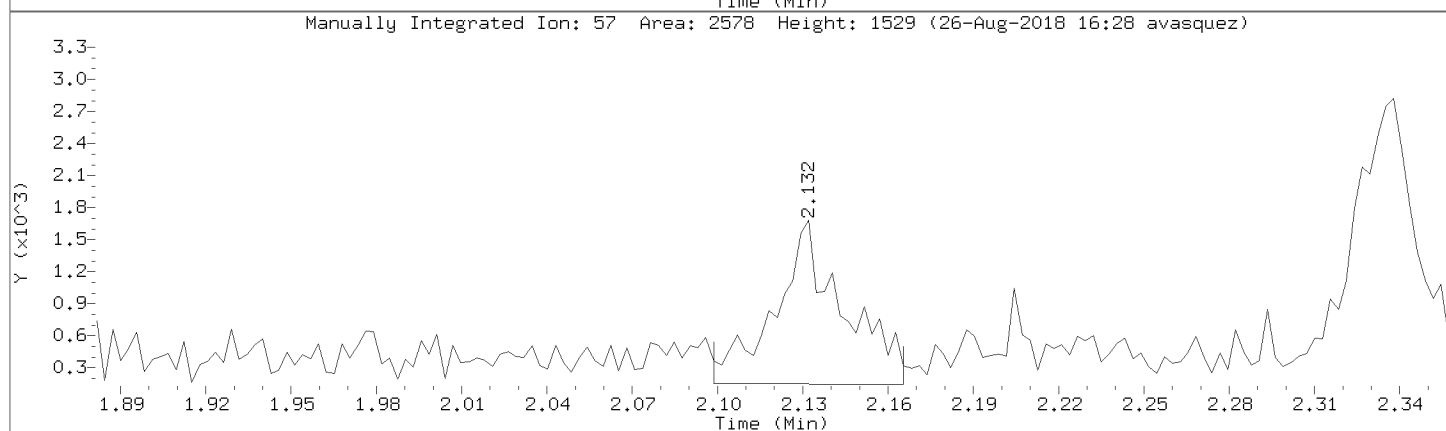
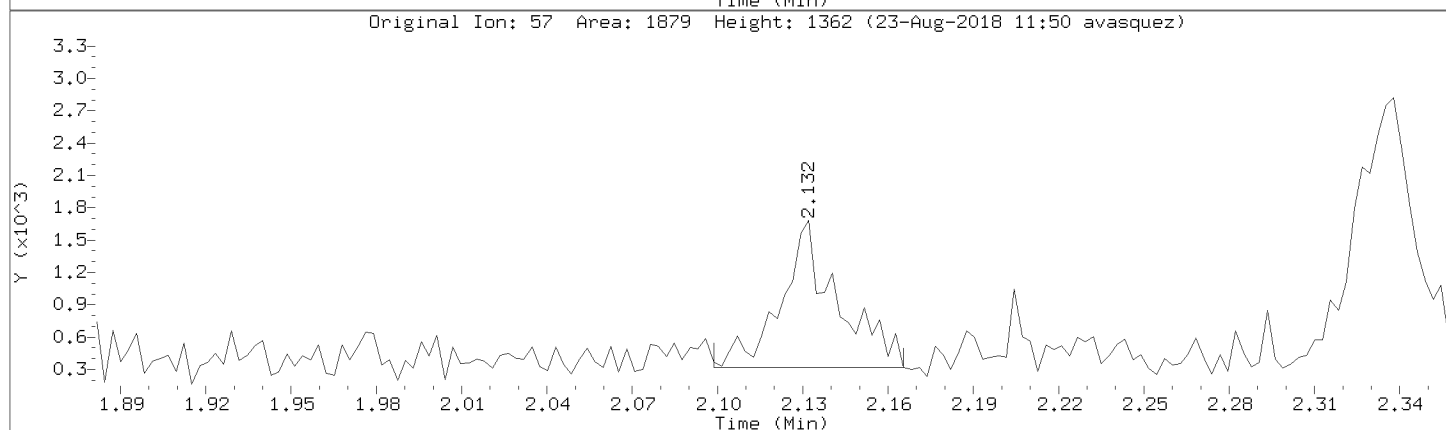
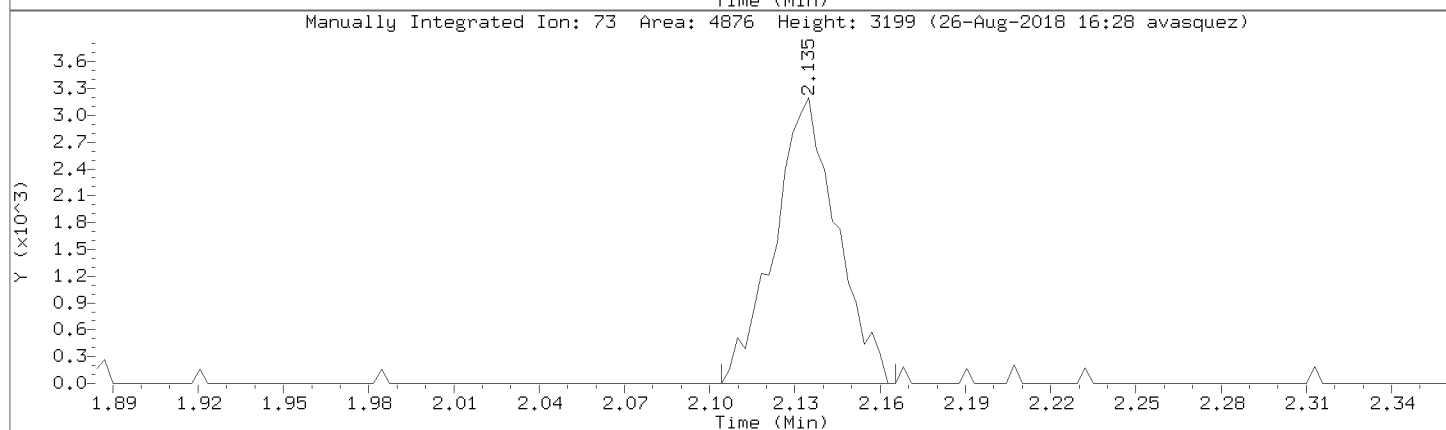
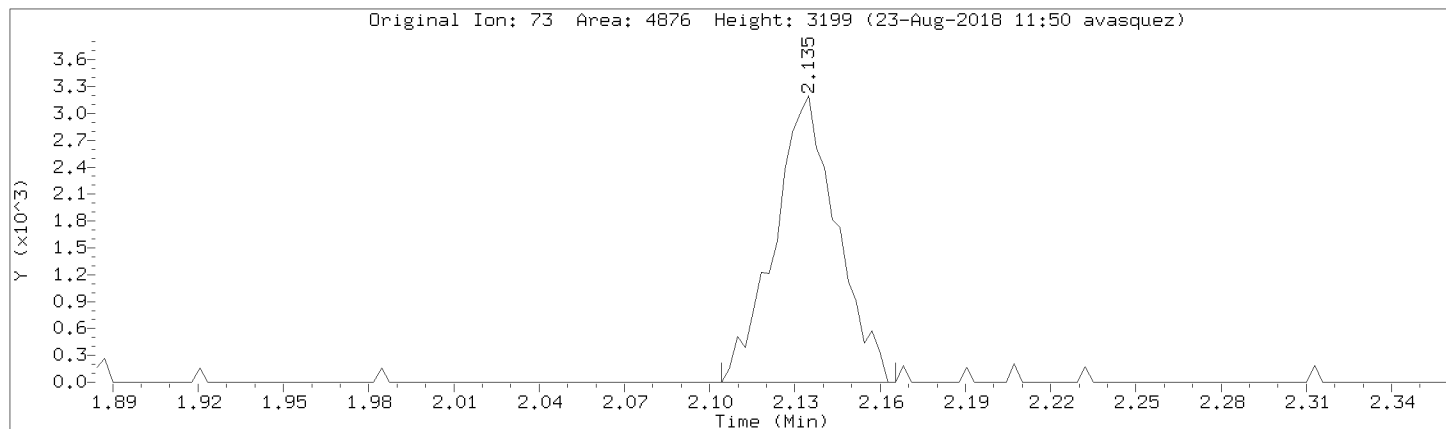
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: Methyl-tert-butyl ether

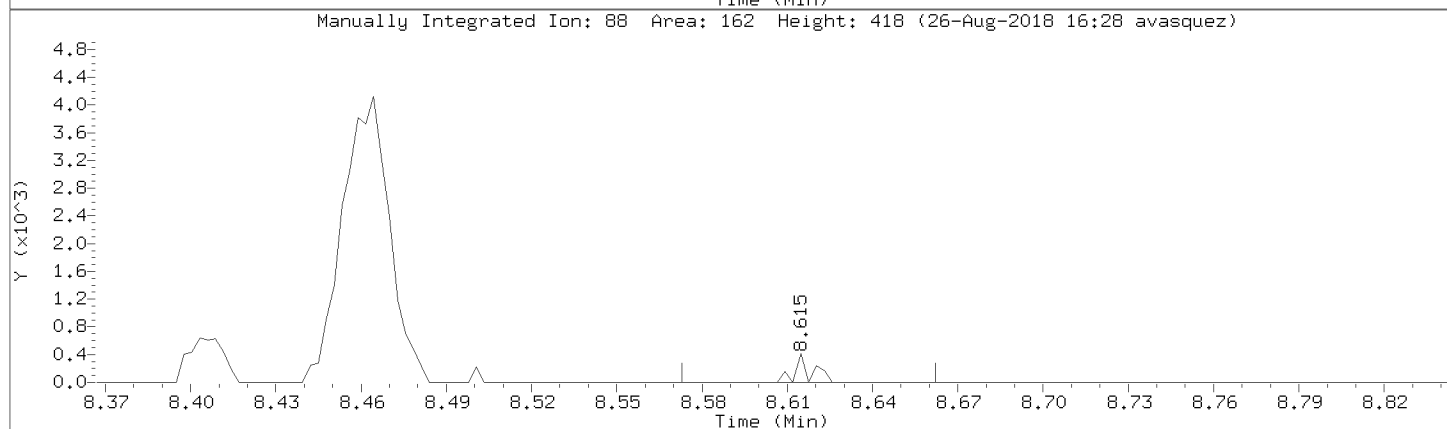
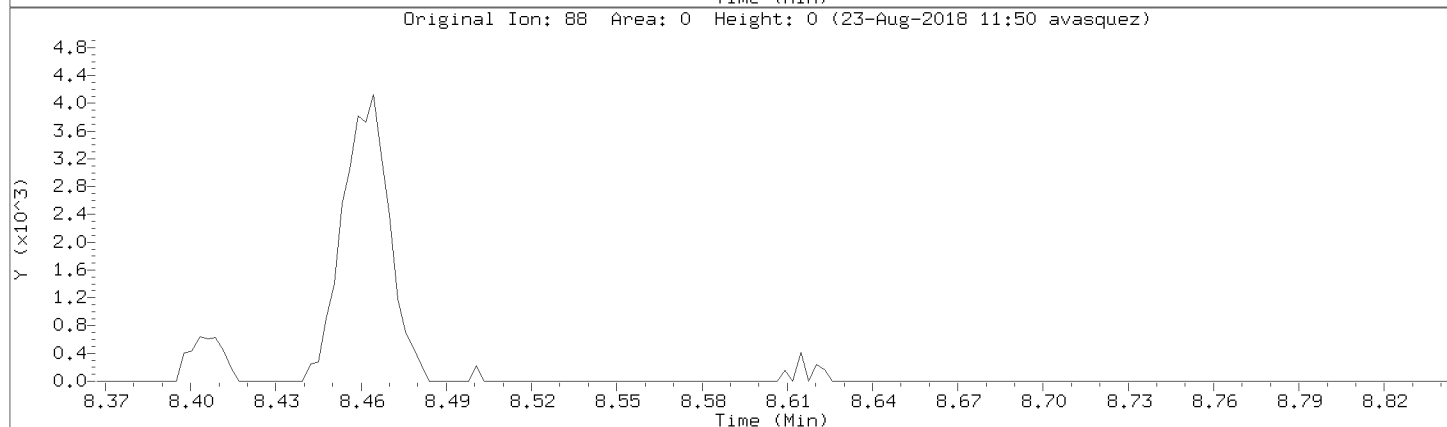
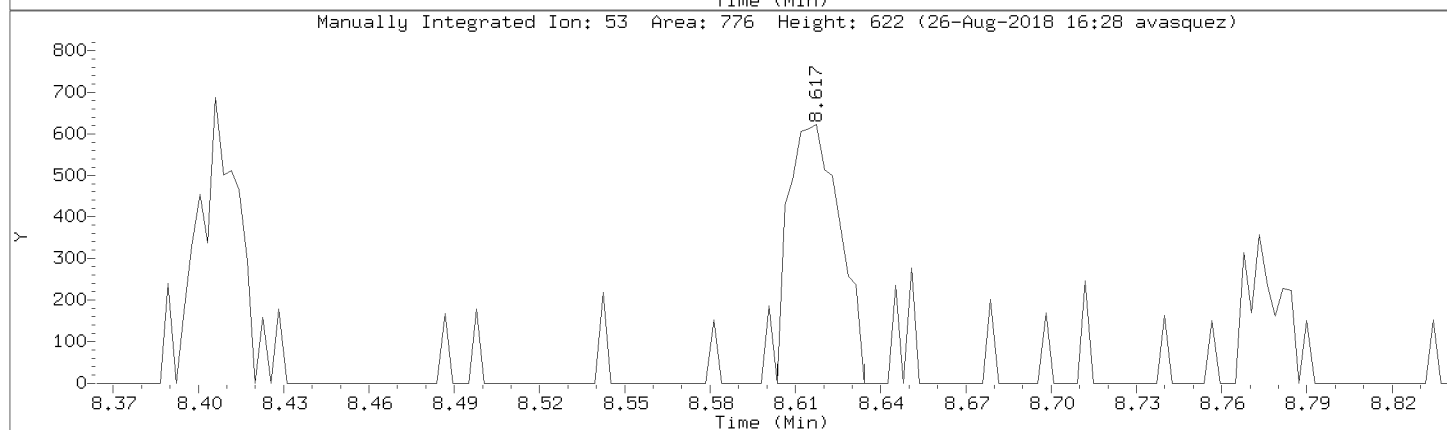
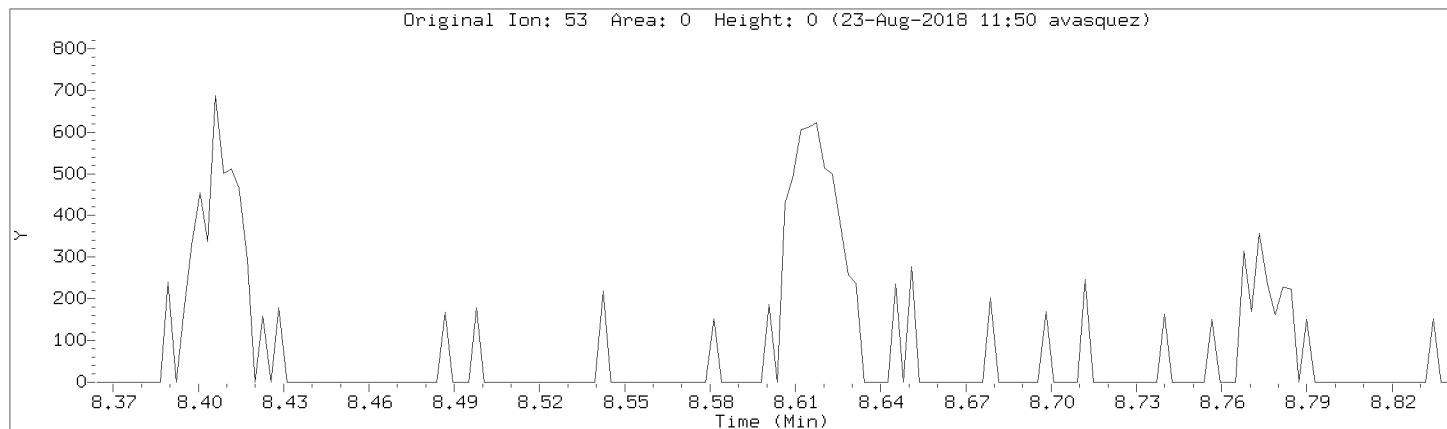
Review Code: BA

CAS Number: 1634-04-4

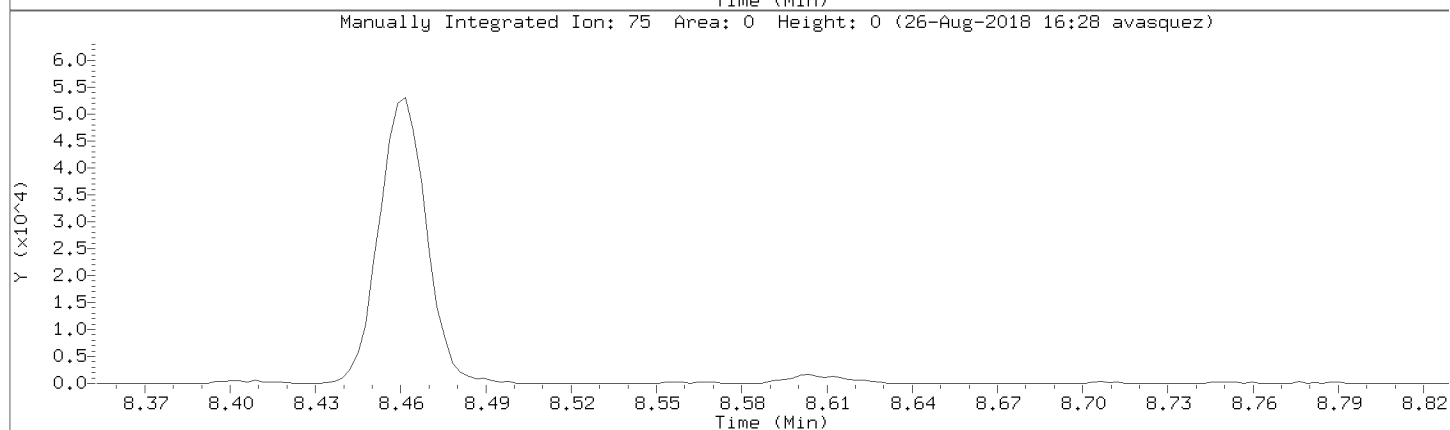
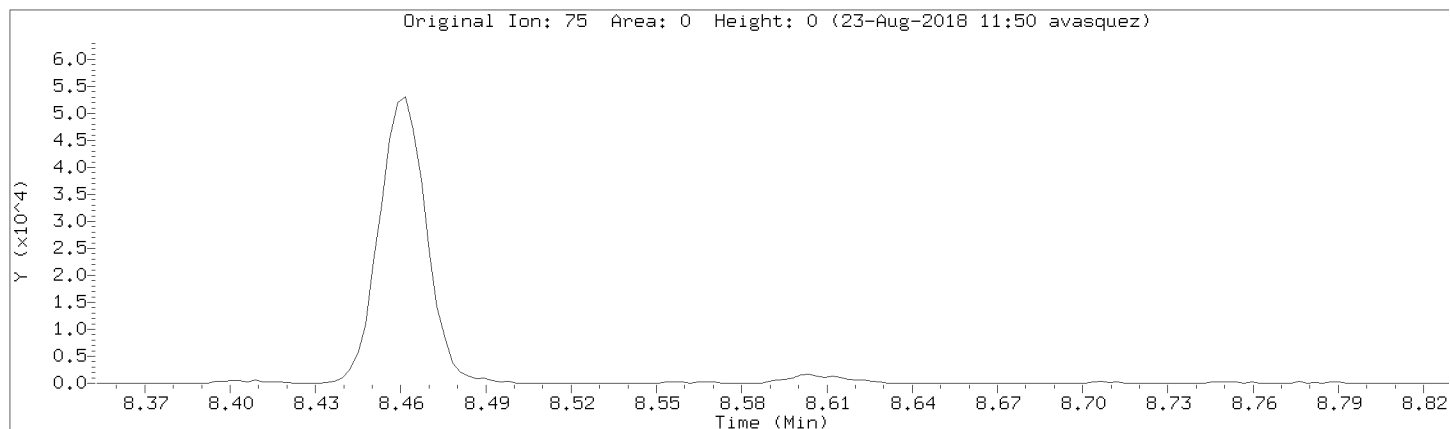


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

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

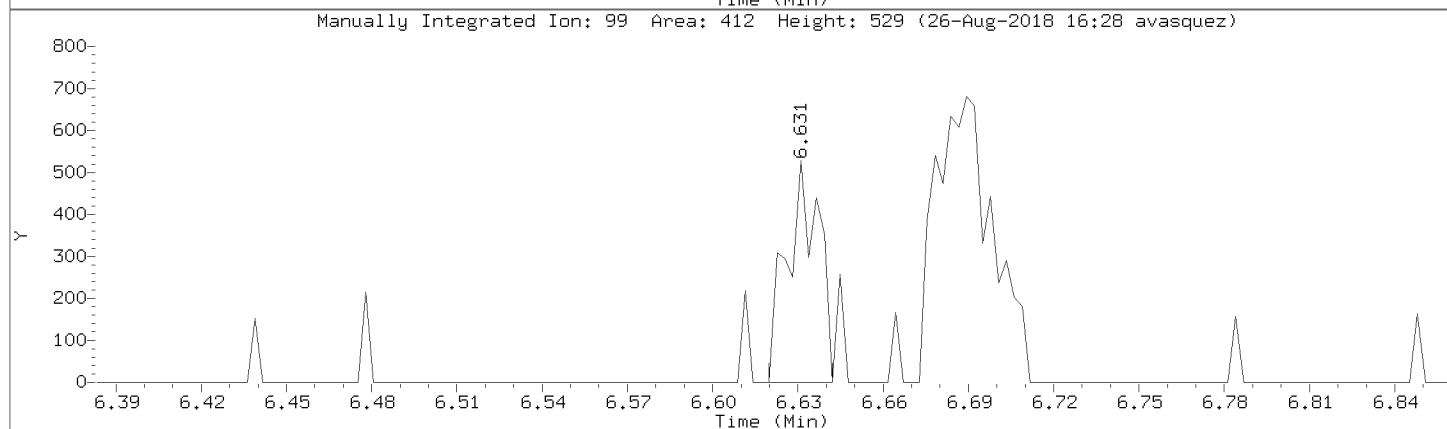
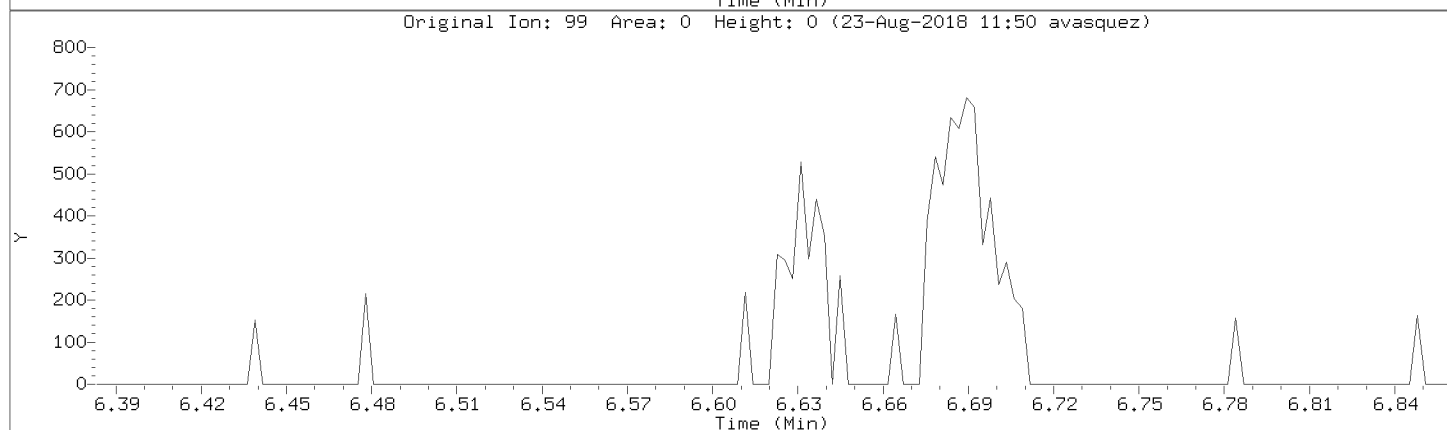
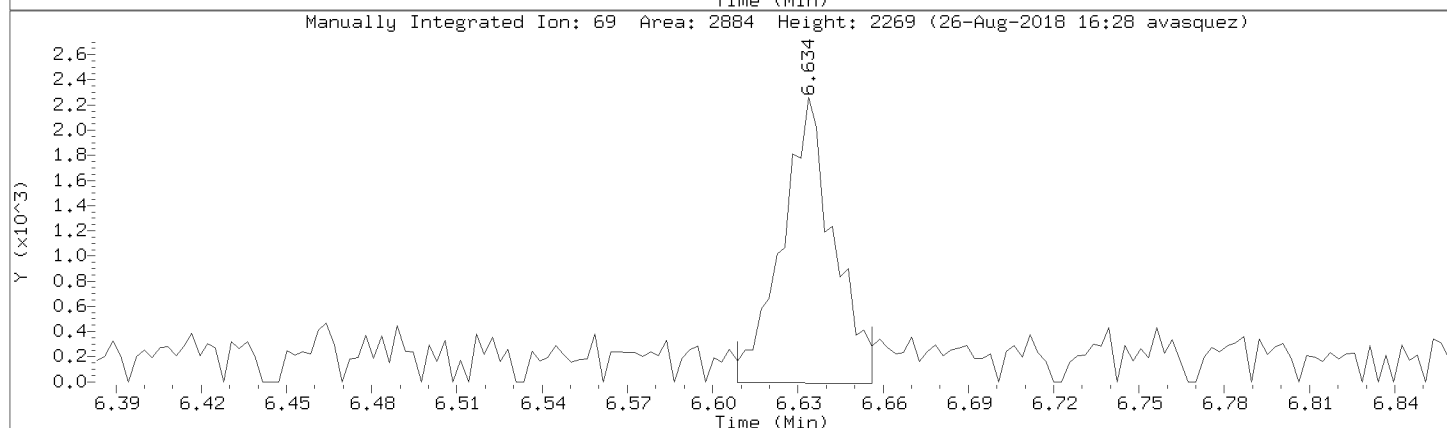
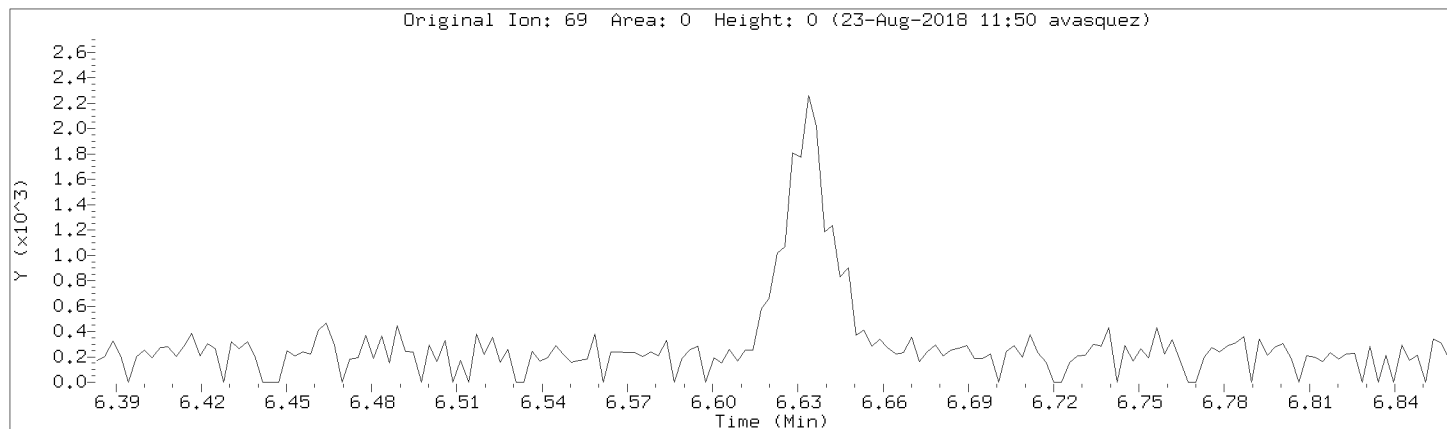


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

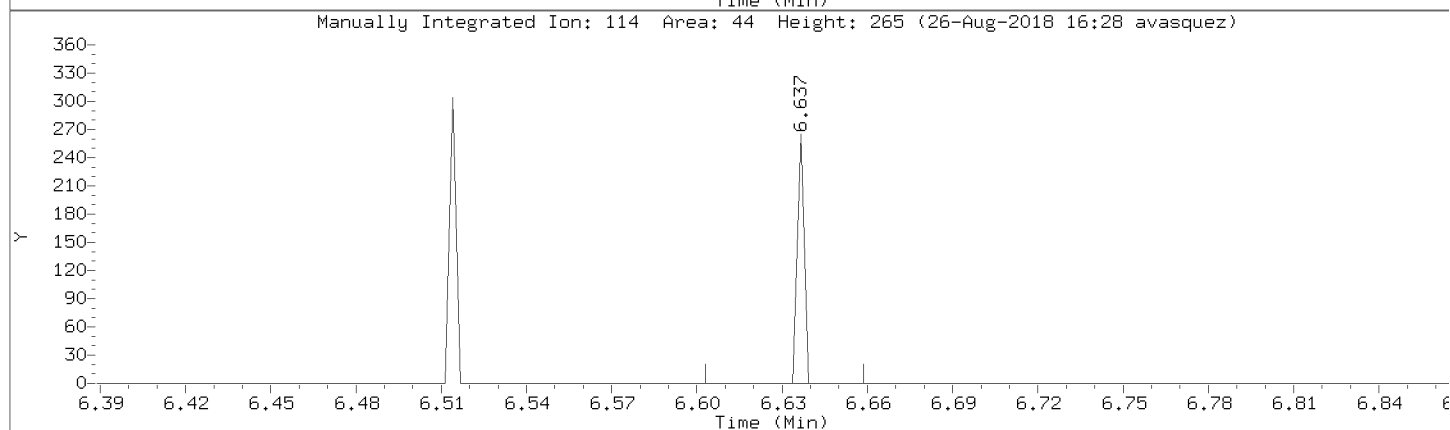
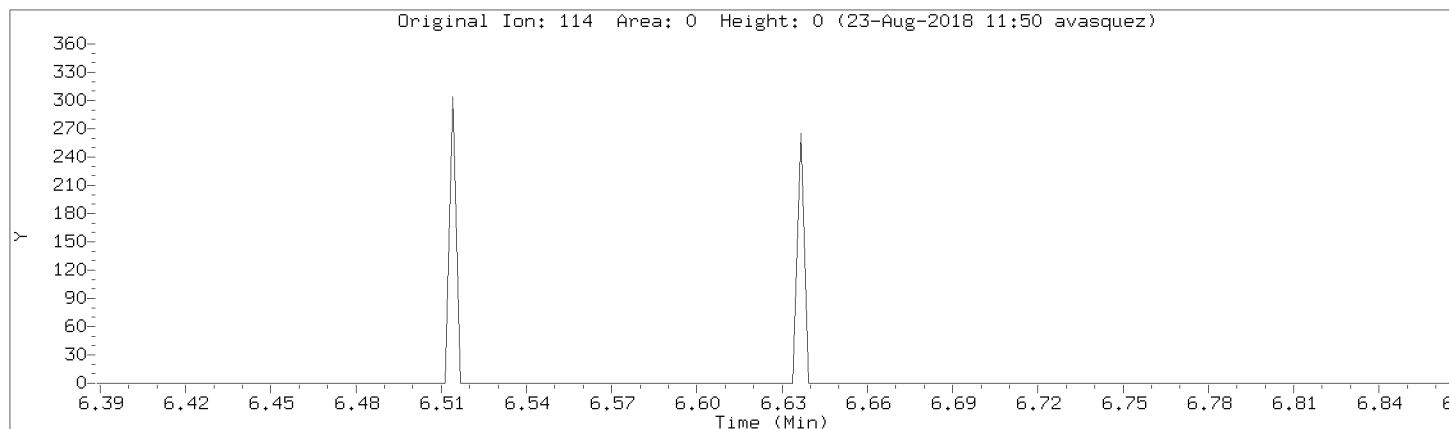


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

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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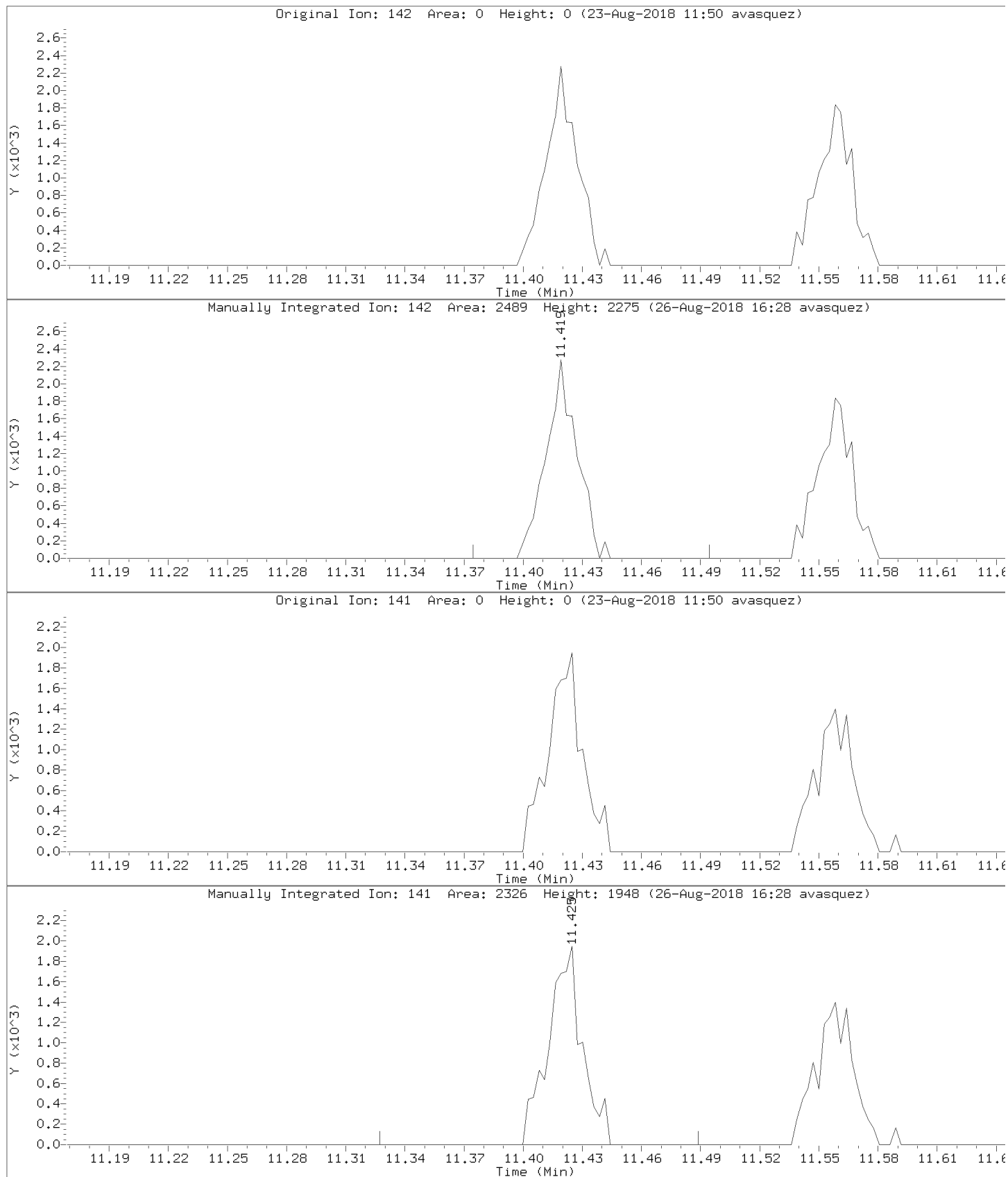
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

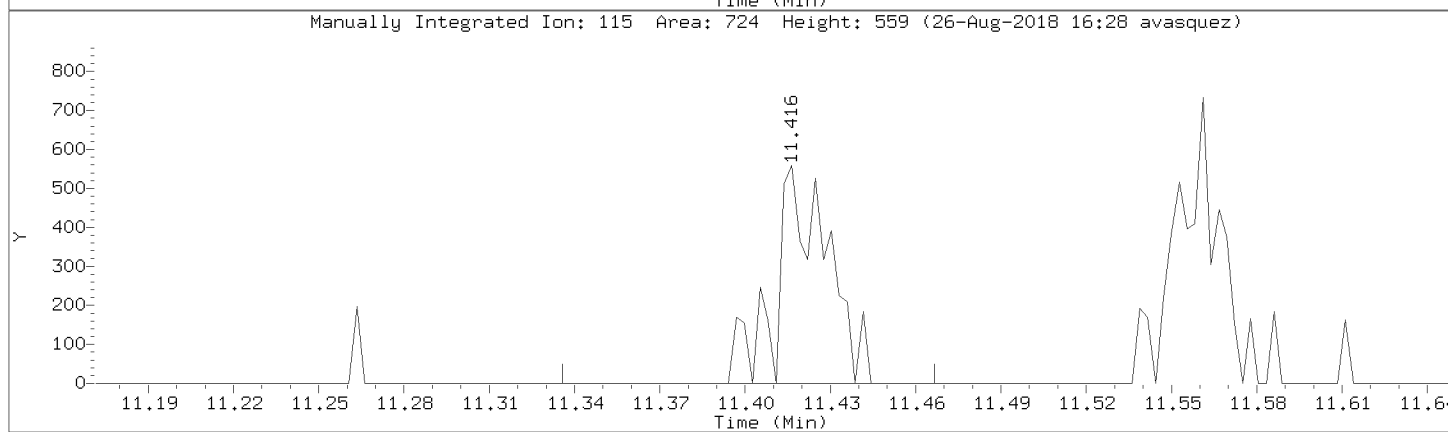
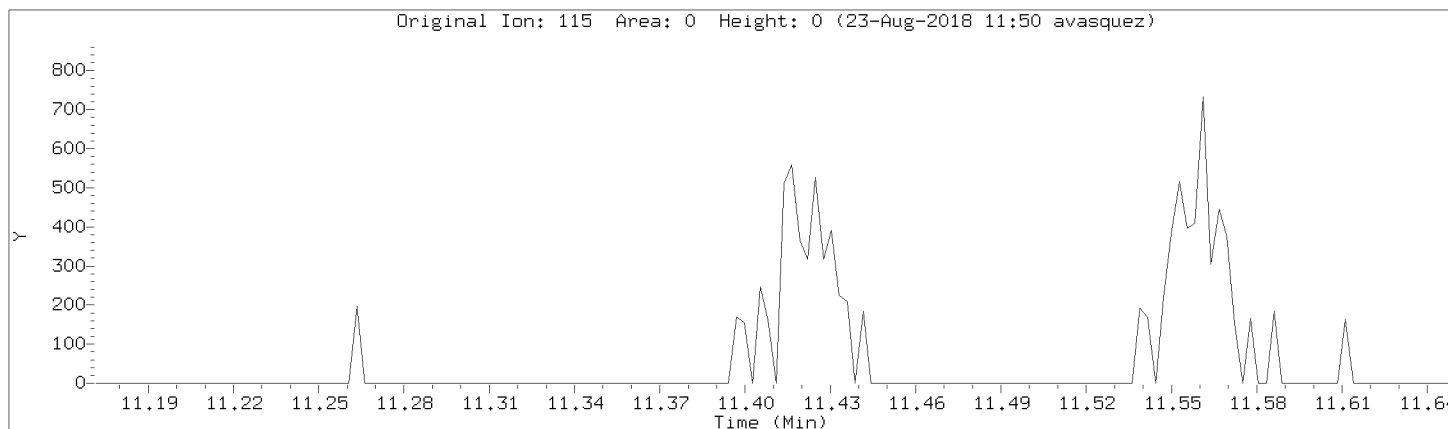
Compound: 2,methyl-naphthalene

Review Code: NI

CAS Number:

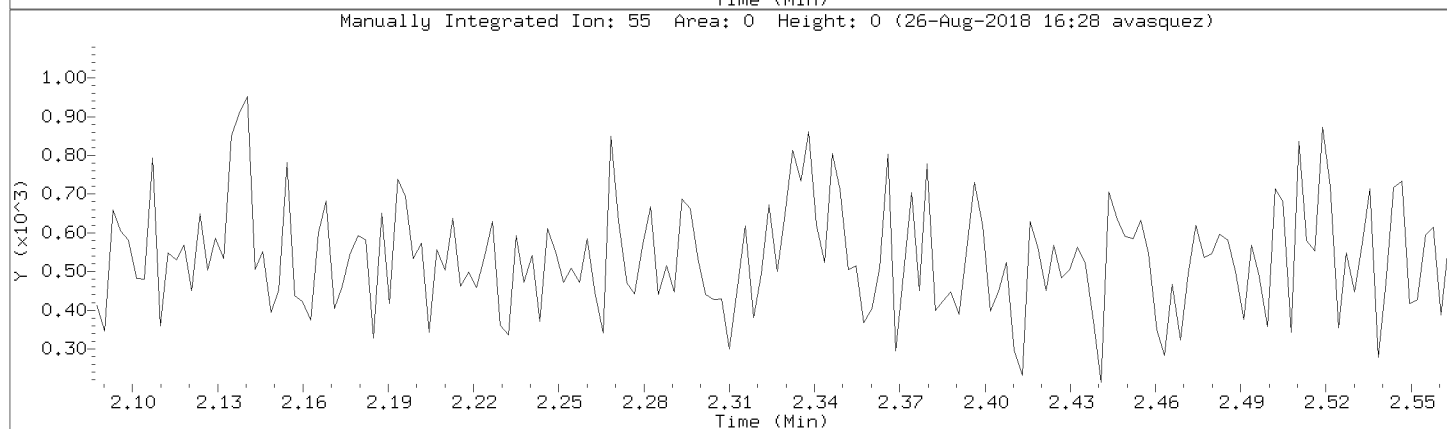
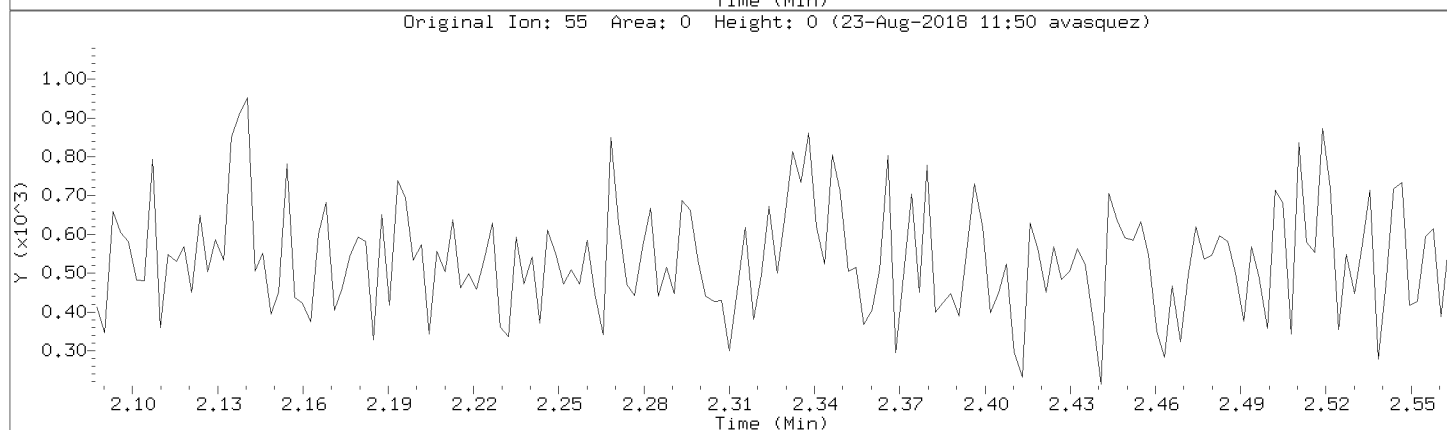
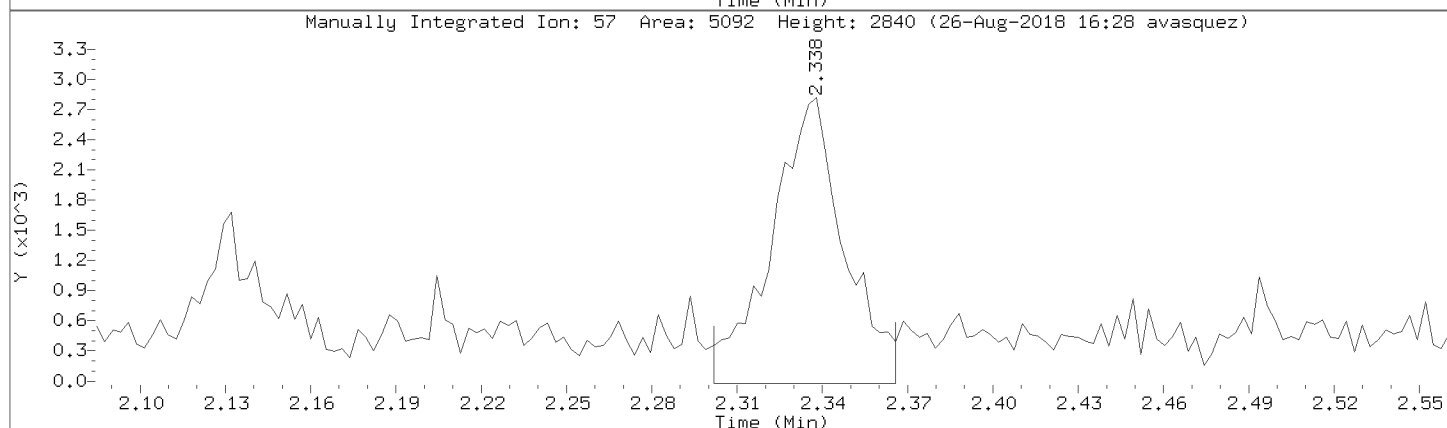
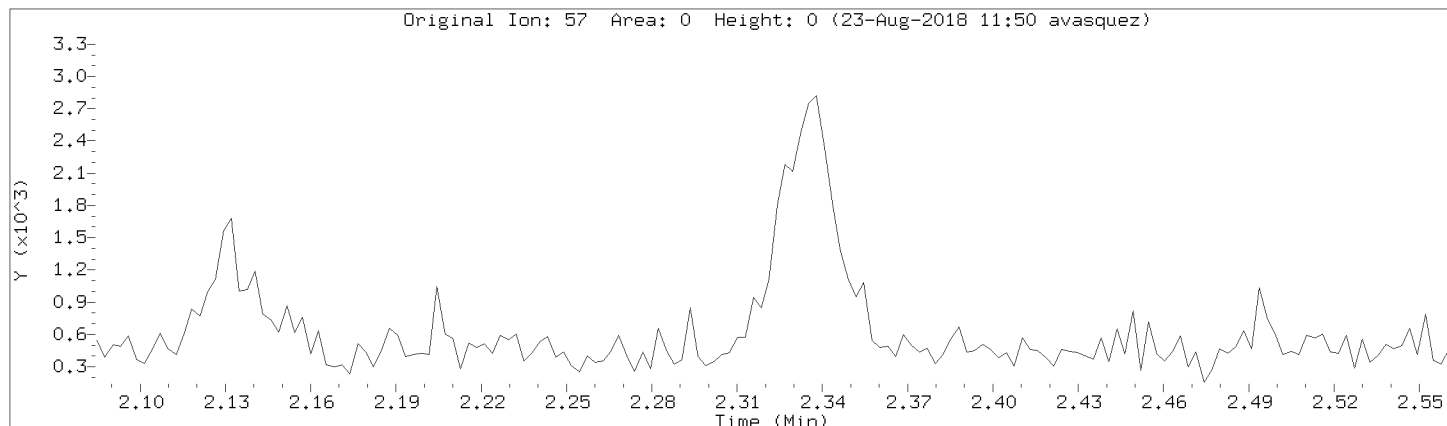


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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-Hexane Review Code: NI
CAS Number:



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

Injection Date: 22-AUG-2018 14:52

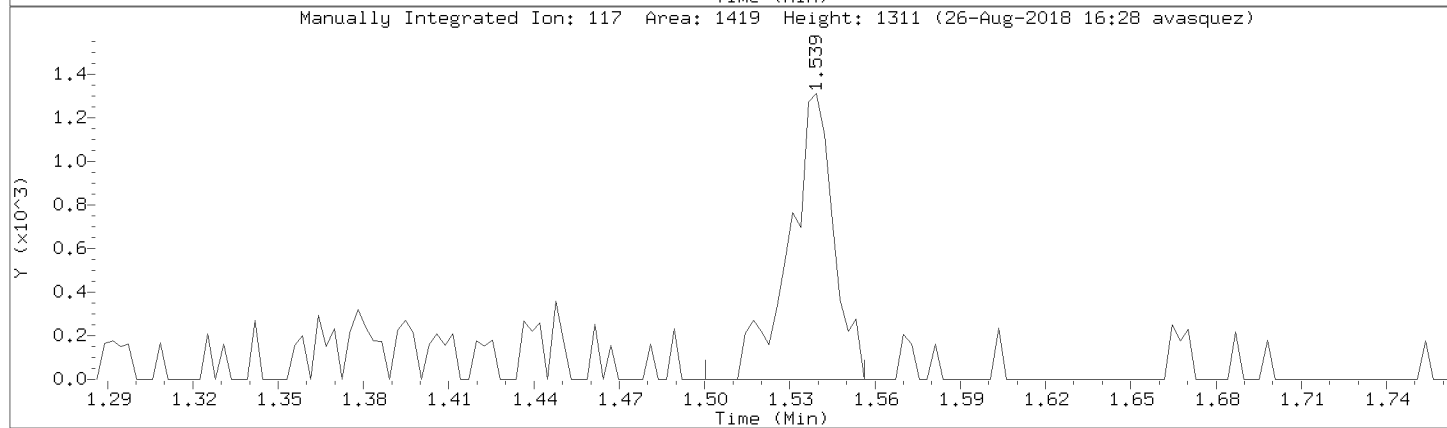
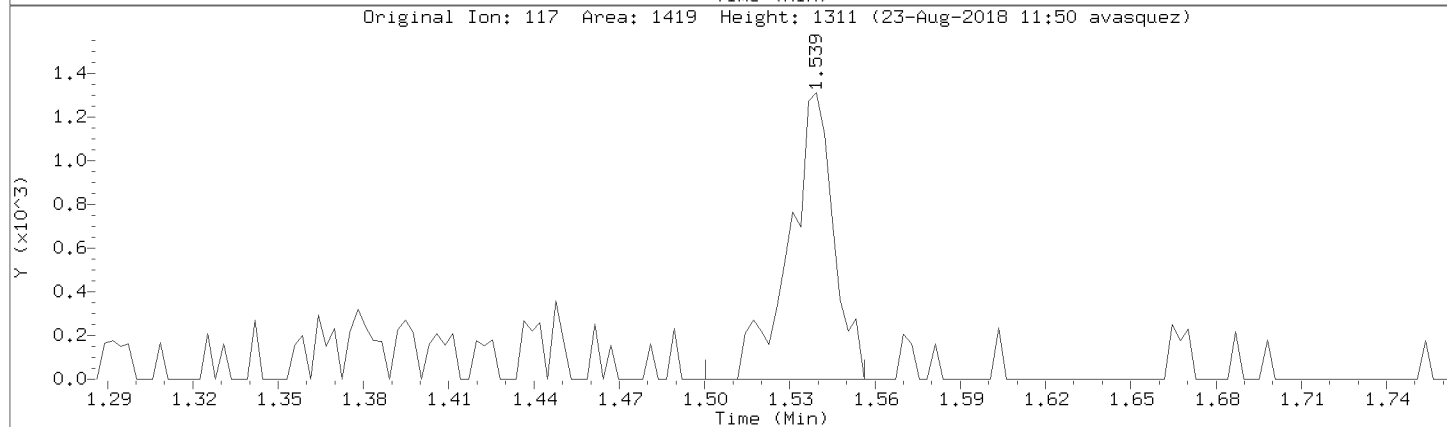
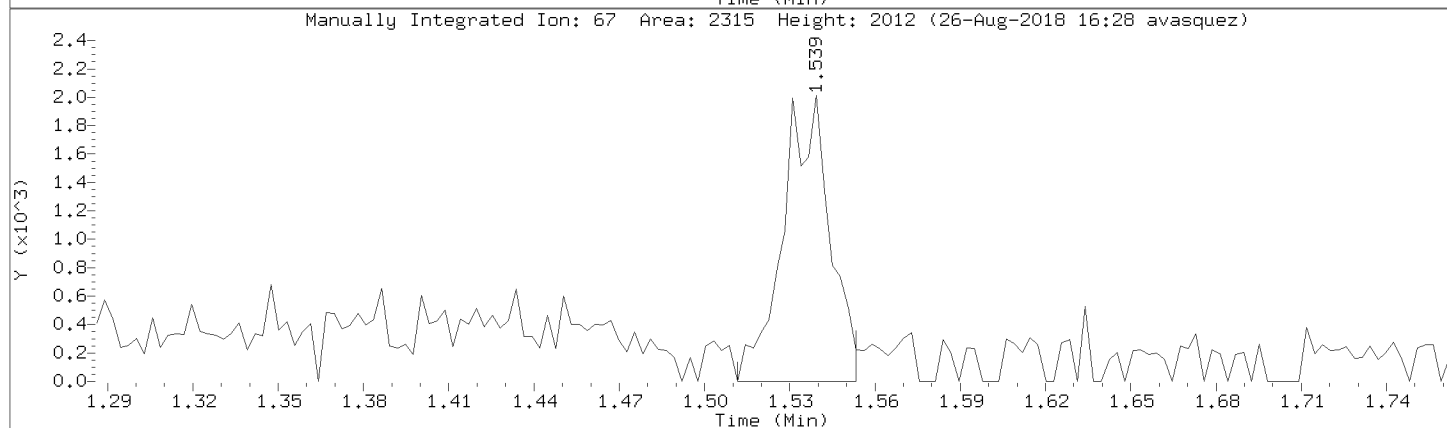
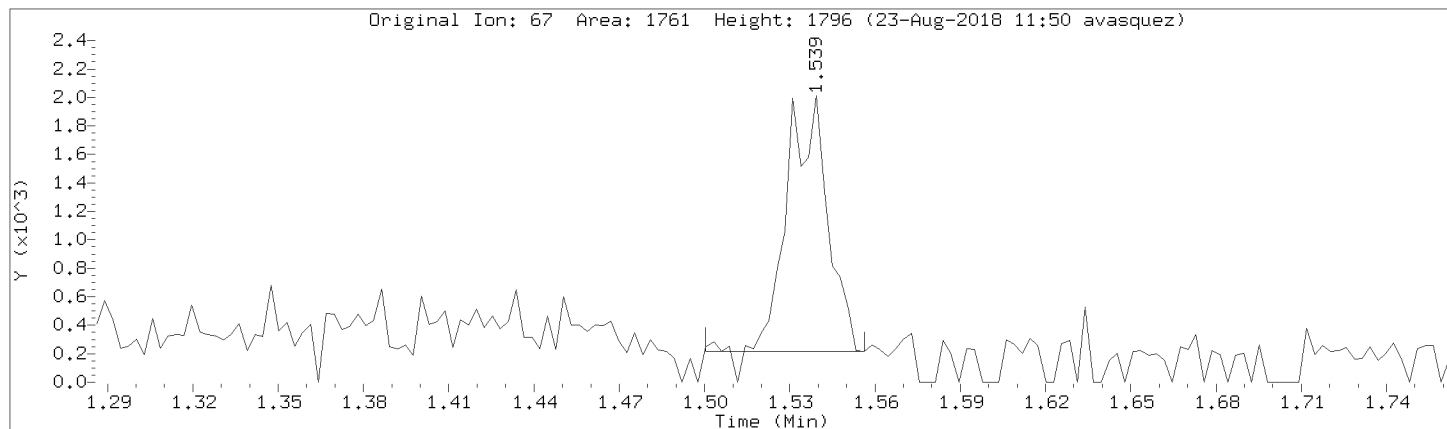
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: 1,2-dichlorotrifluoroethane

Review Code: NI

CAS Number: 354-23-4

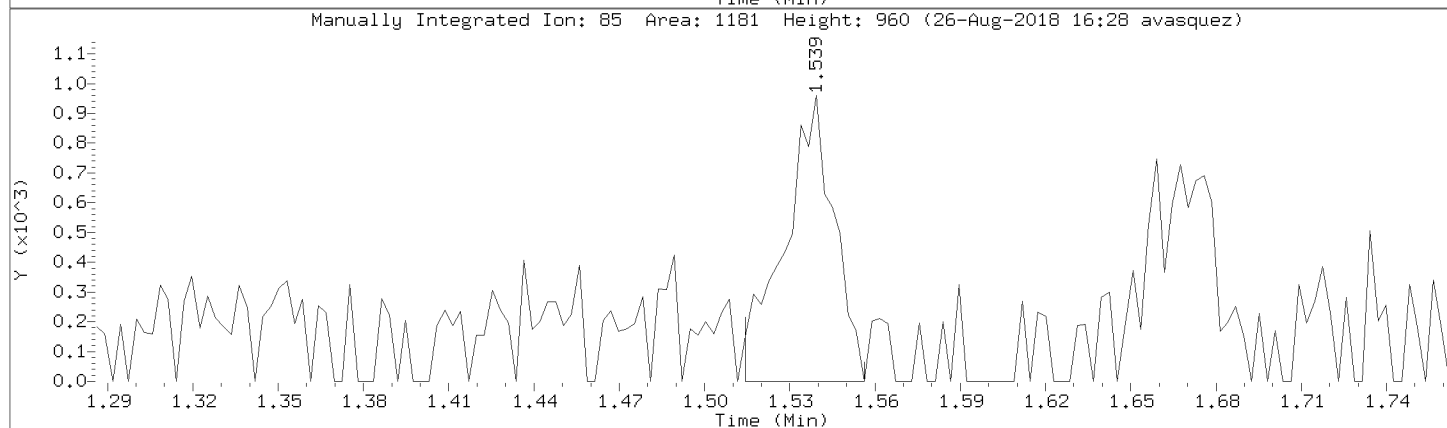
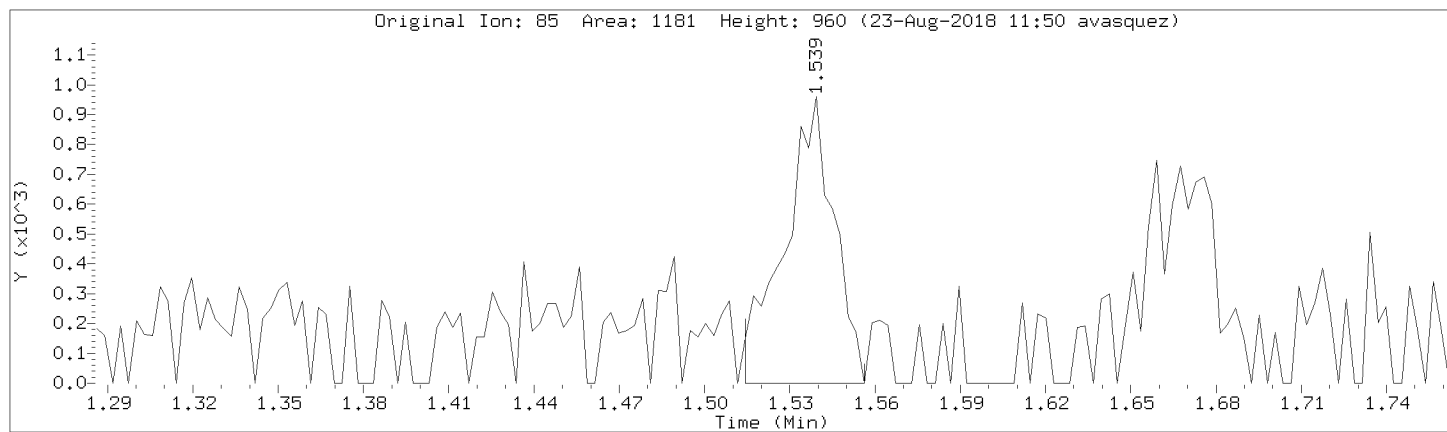


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Injection Date: 22-AUG-2018 14:52

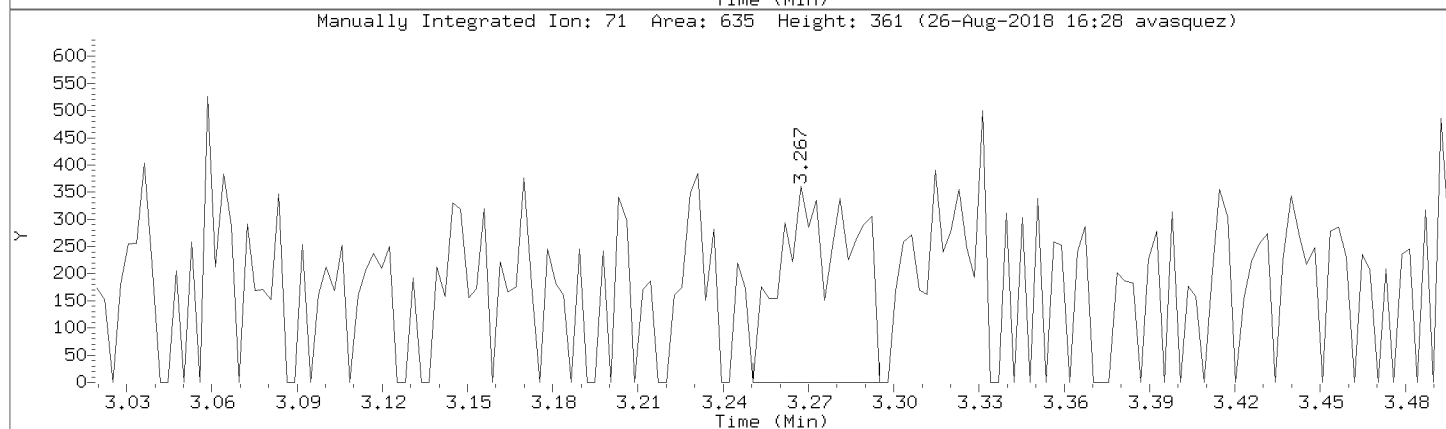
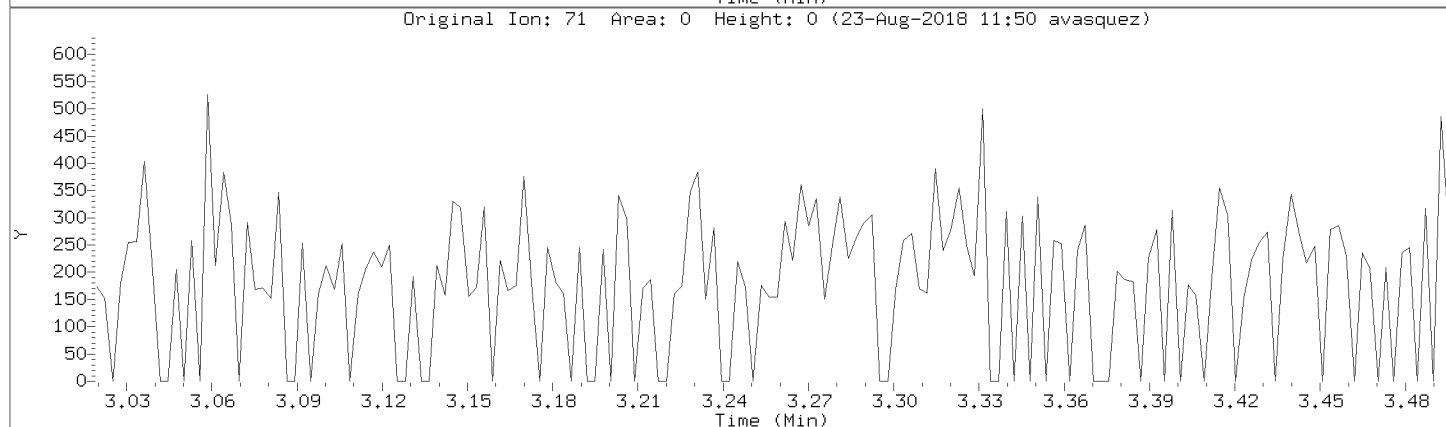
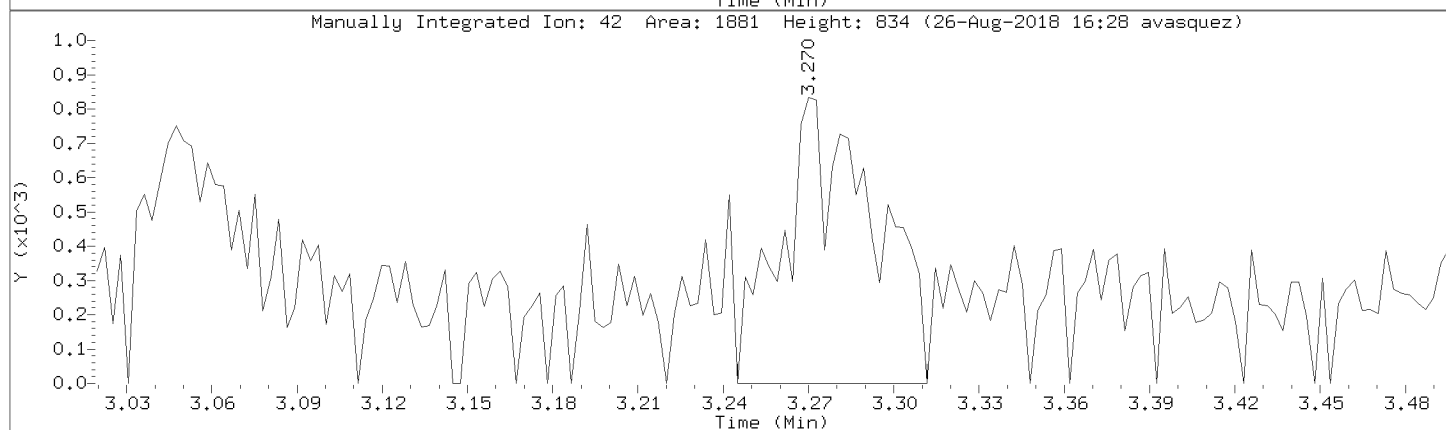
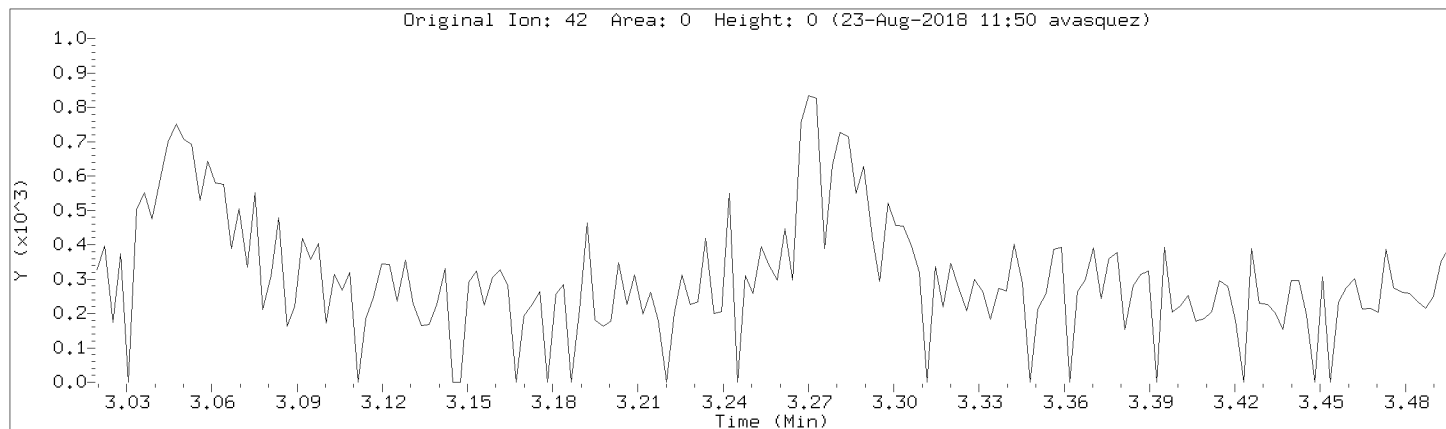
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

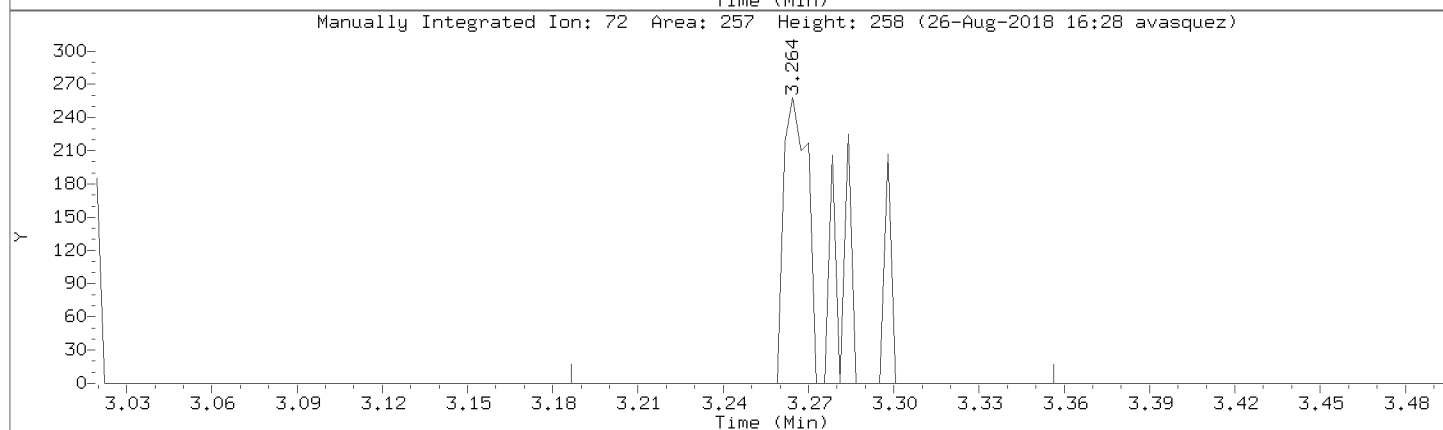
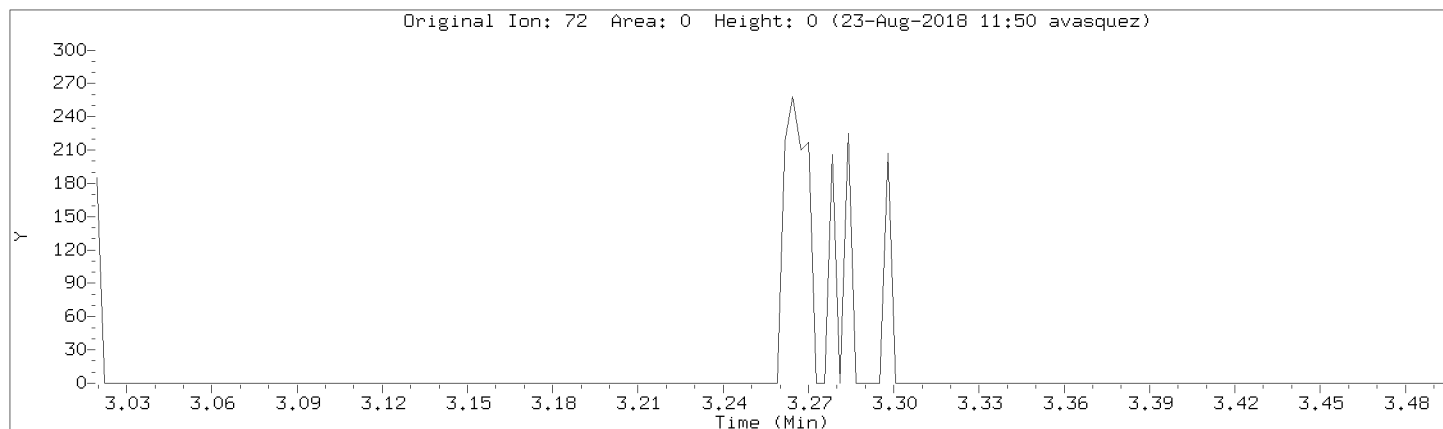


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: 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



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Injection Date: 22-AUG-2018 14:52

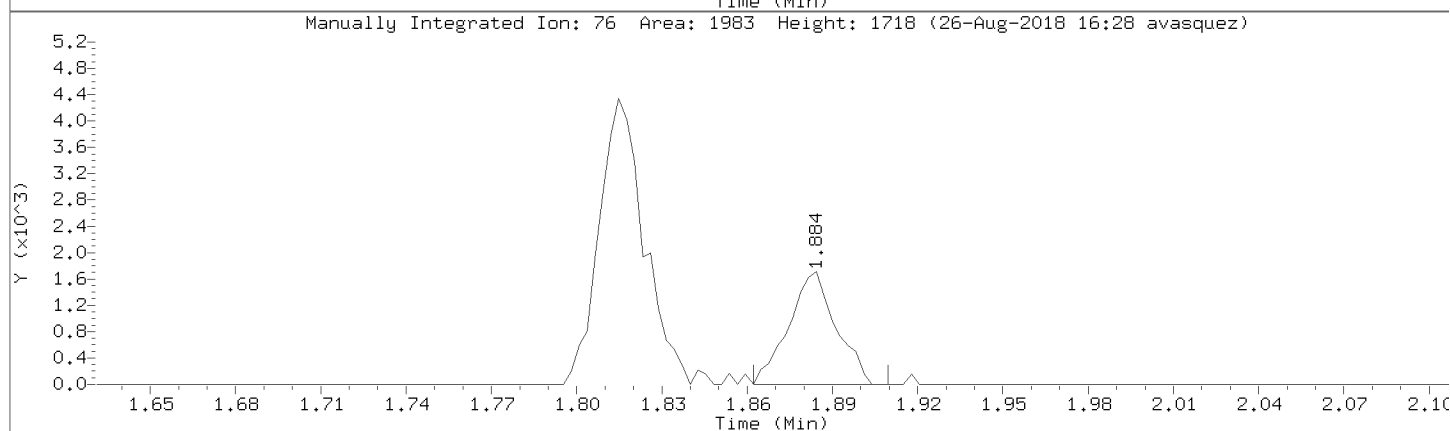
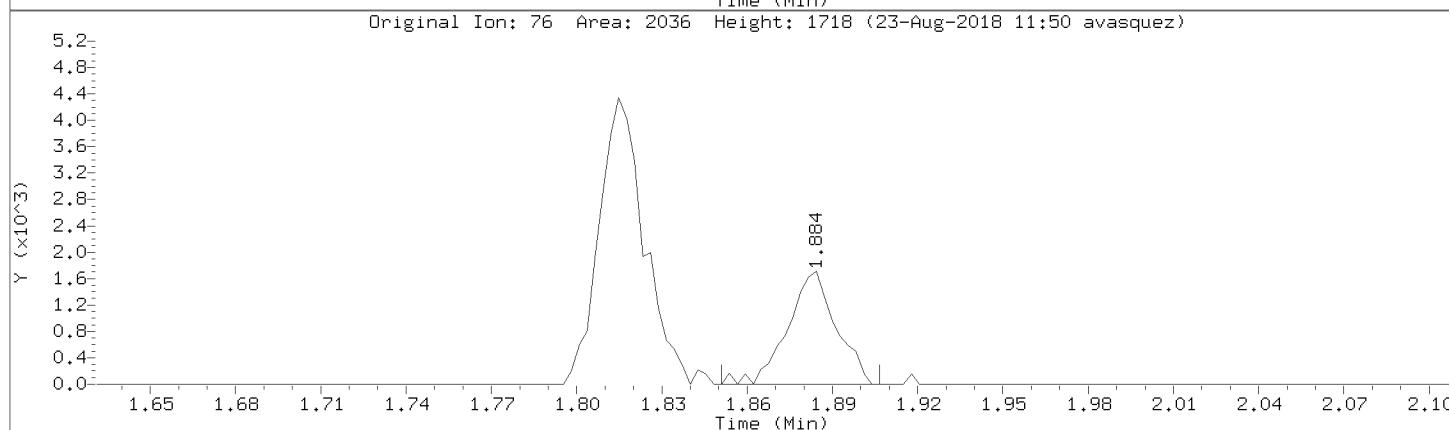
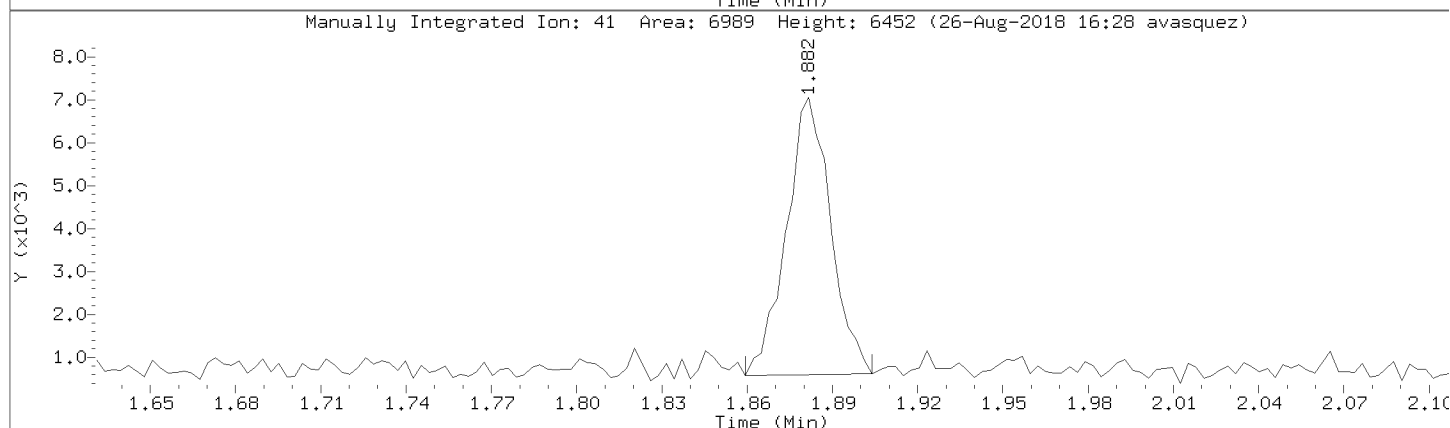
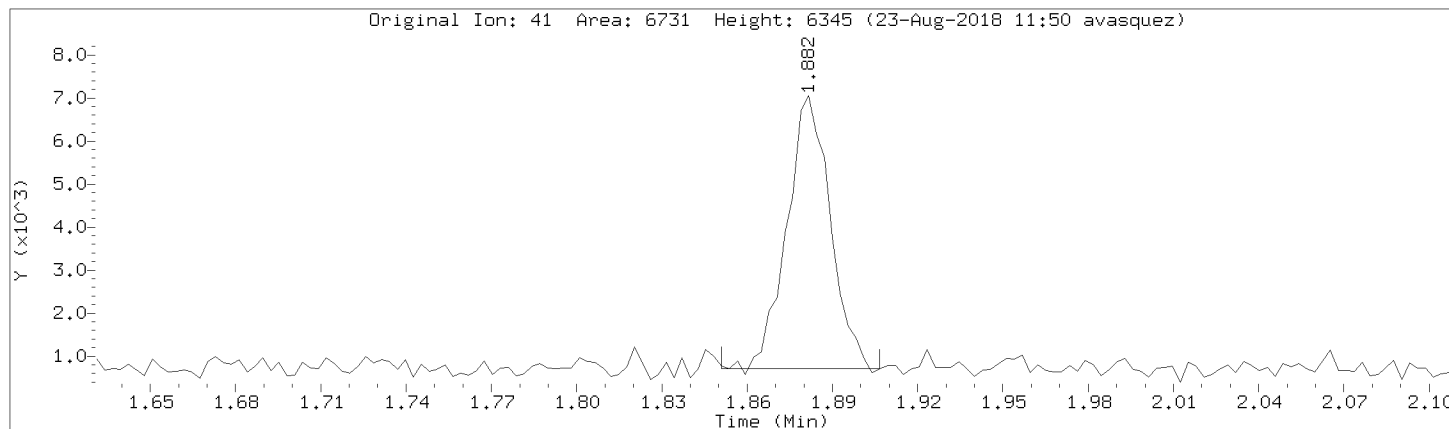
Instrument: 50mv2a.i

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

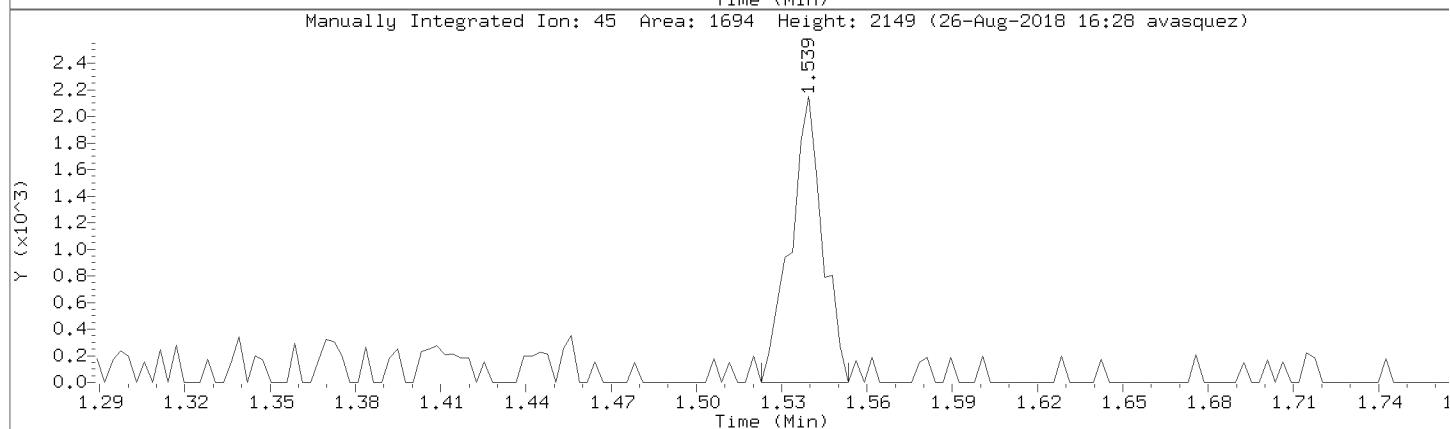
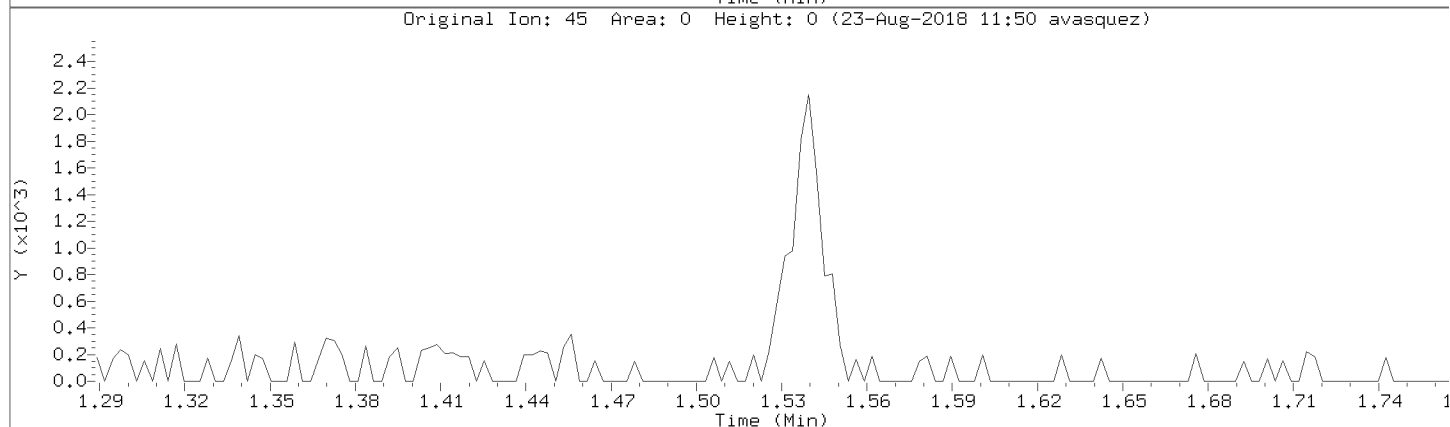
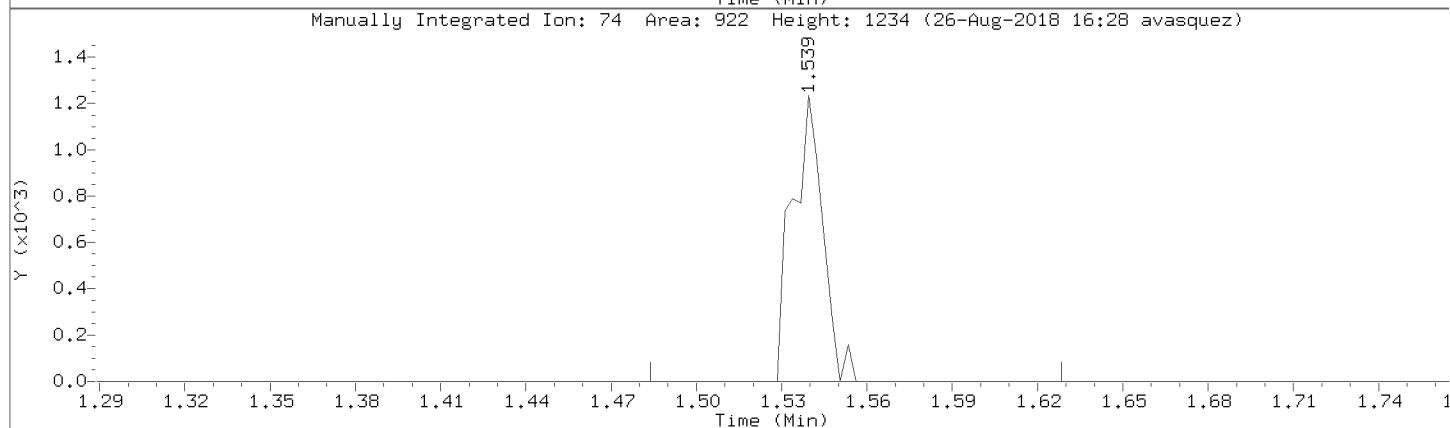
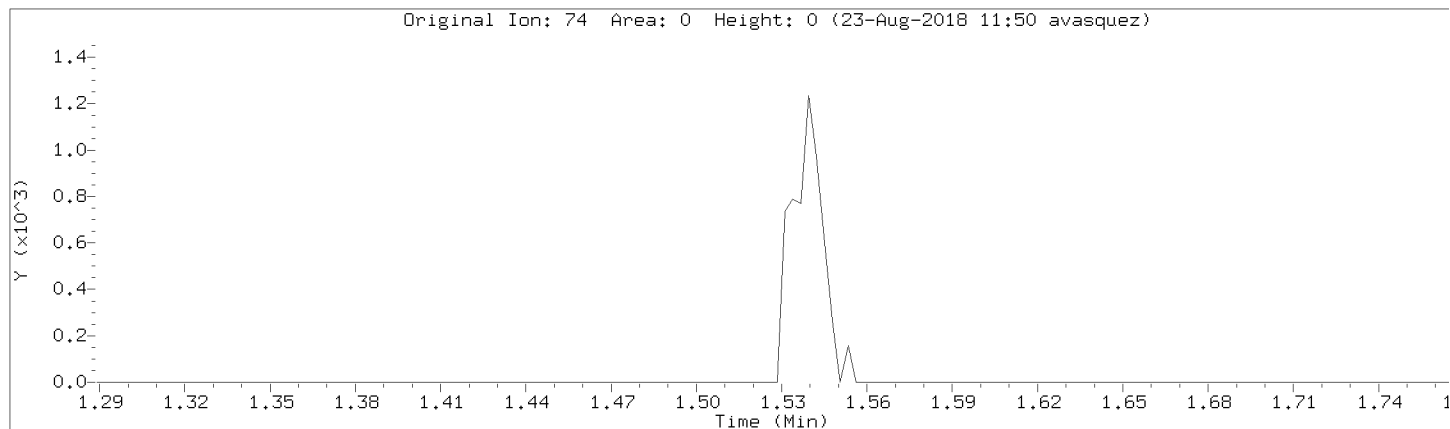
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

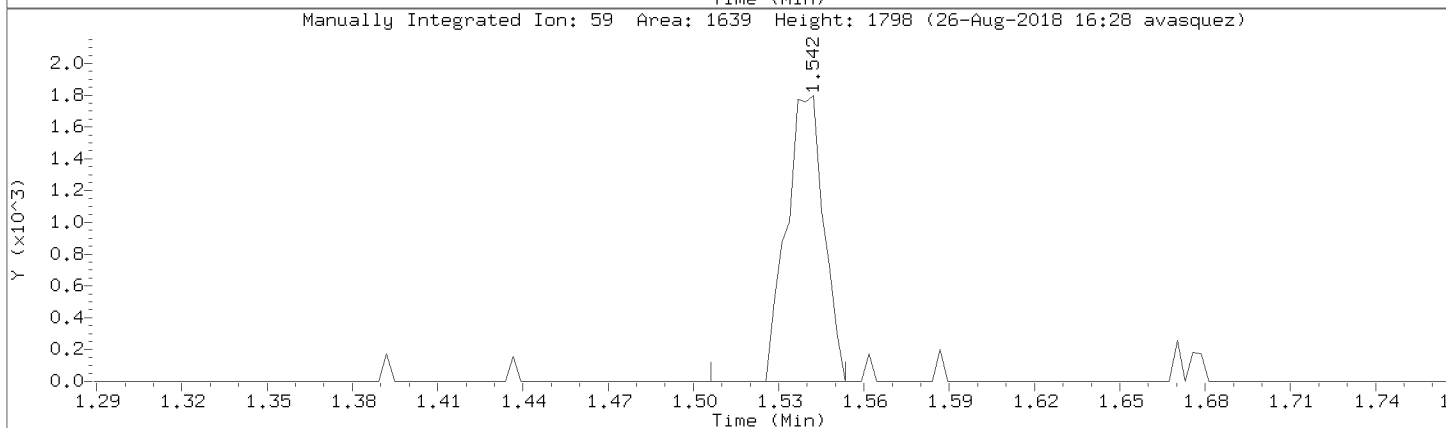
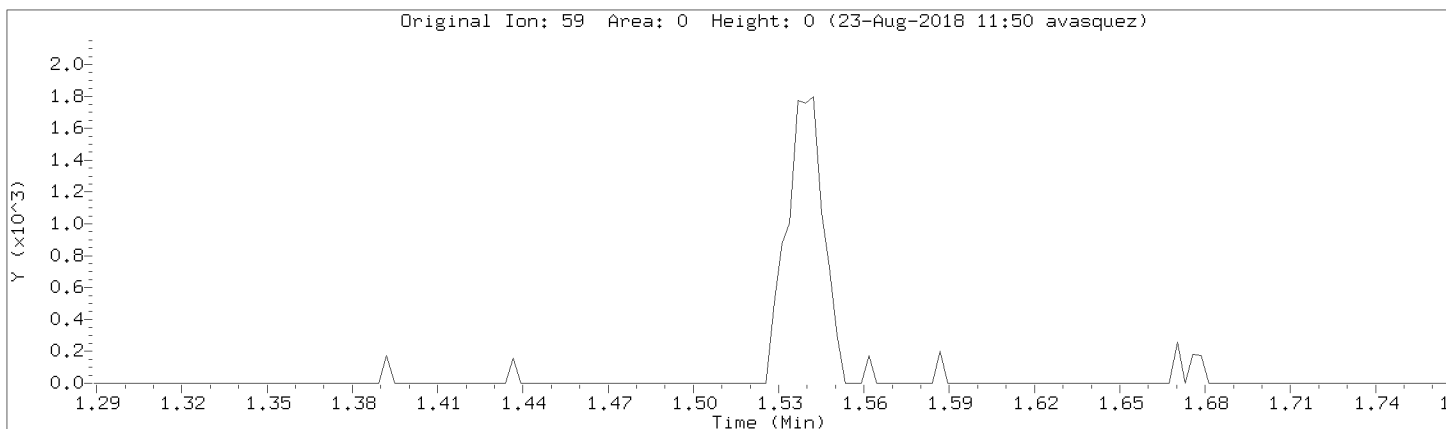
Compound: Diethyl ether

Review Code: NI

CAS Number: 60-29-7

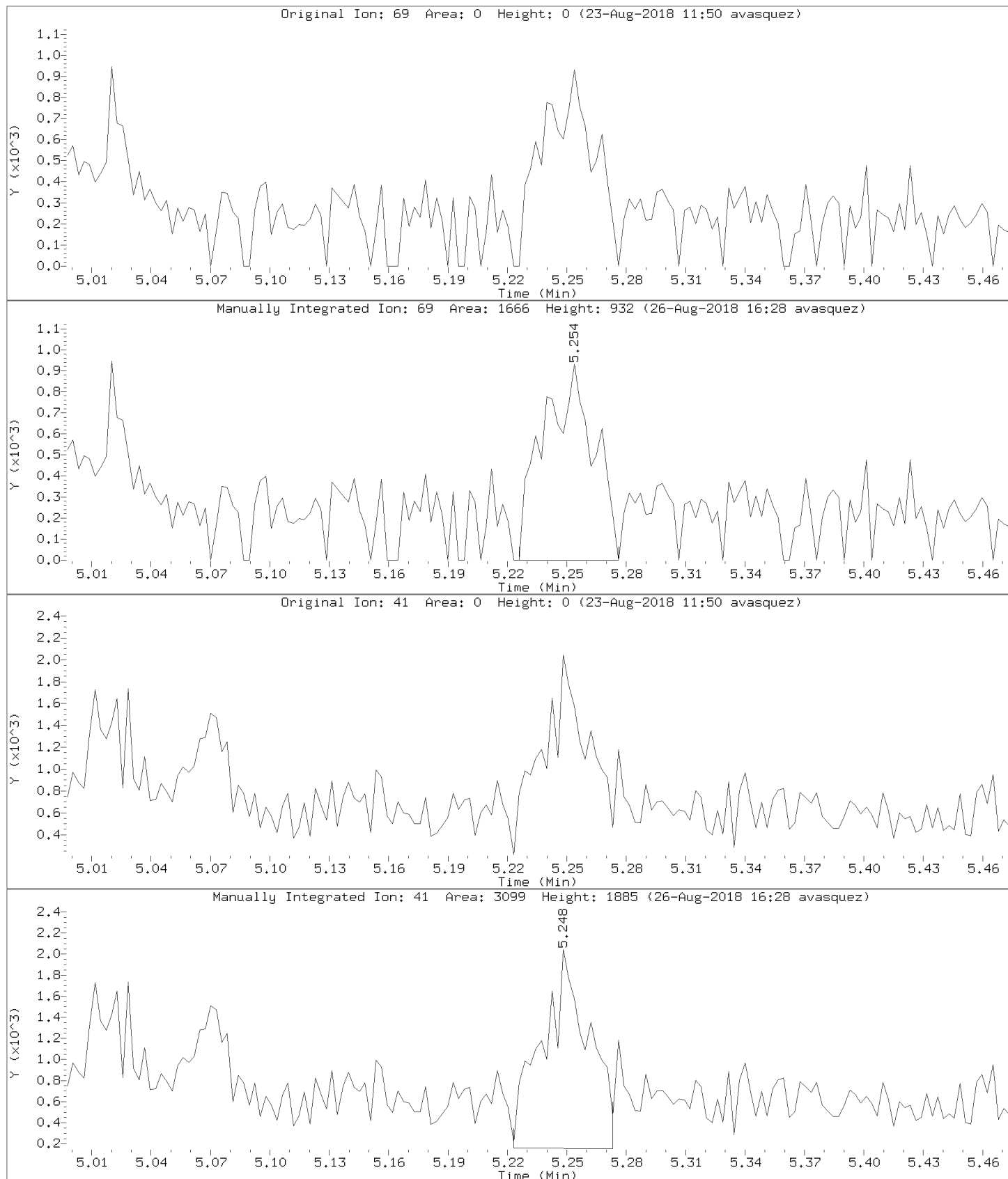


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

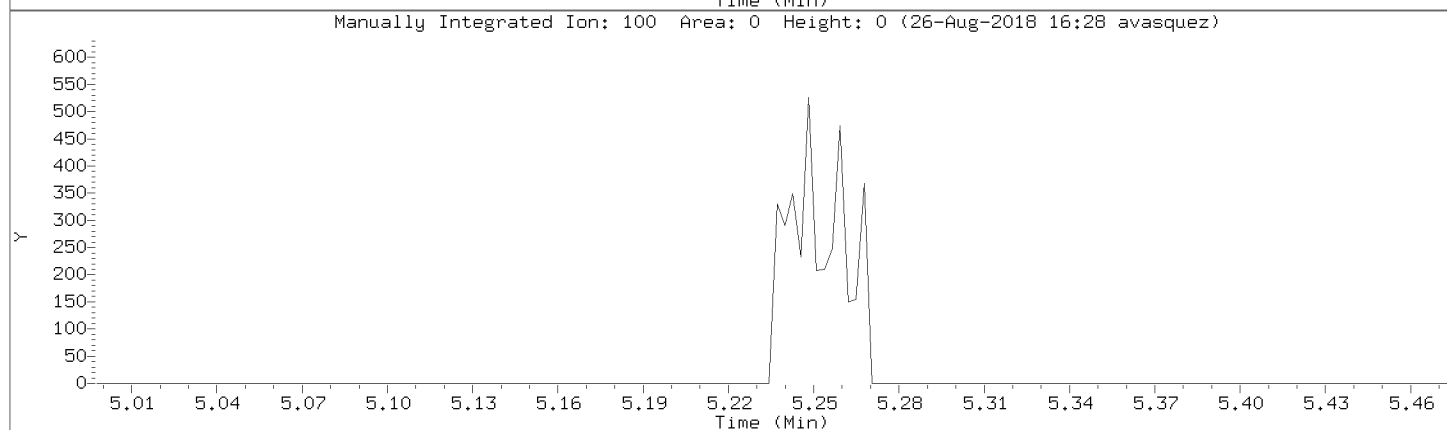
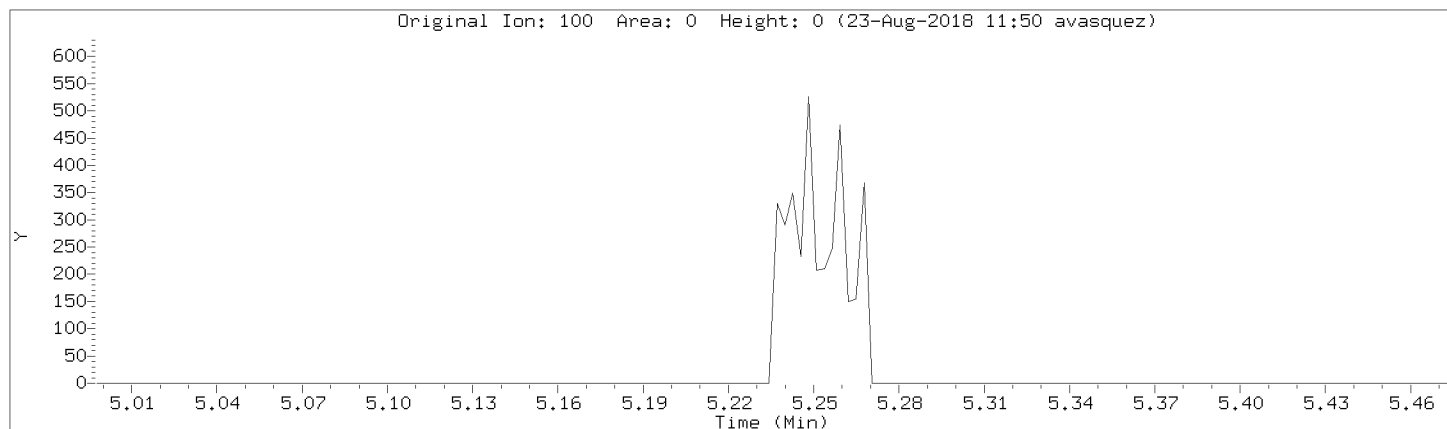


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

Compound: Methyl methacrylate Review Code: NI
CAS Number: 80-62-6

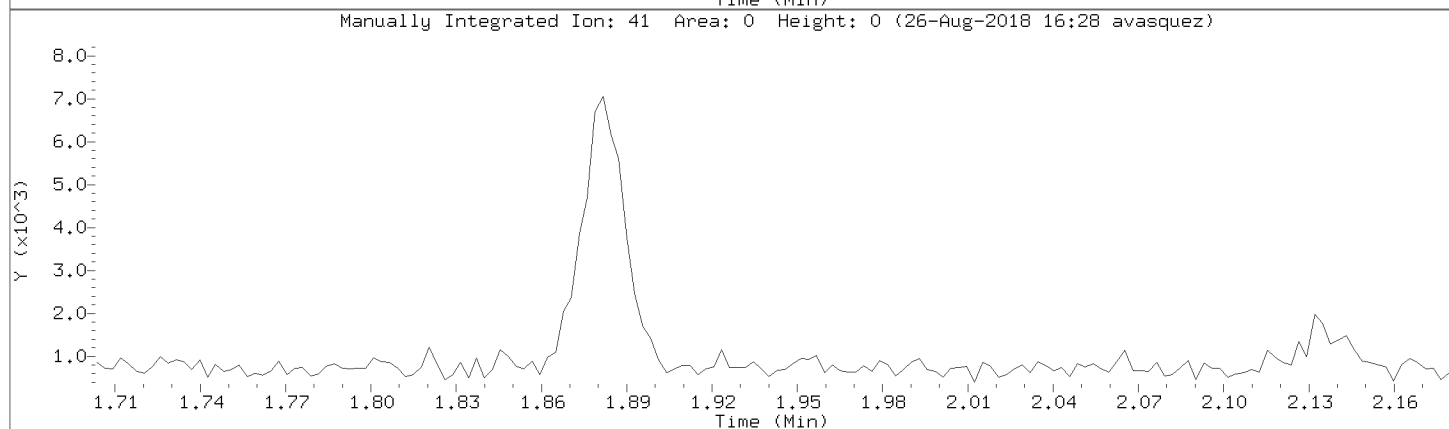
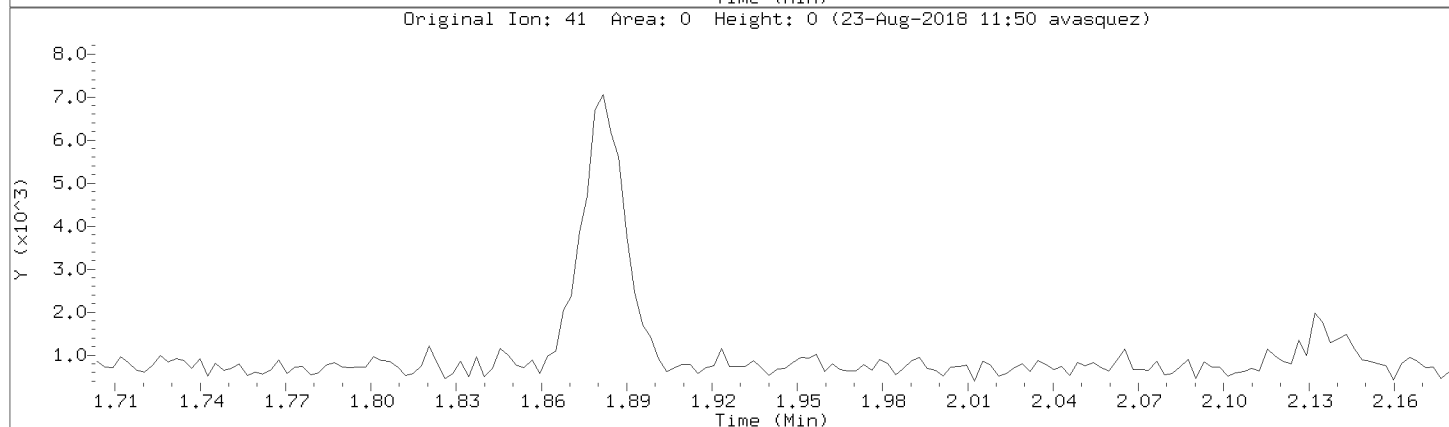
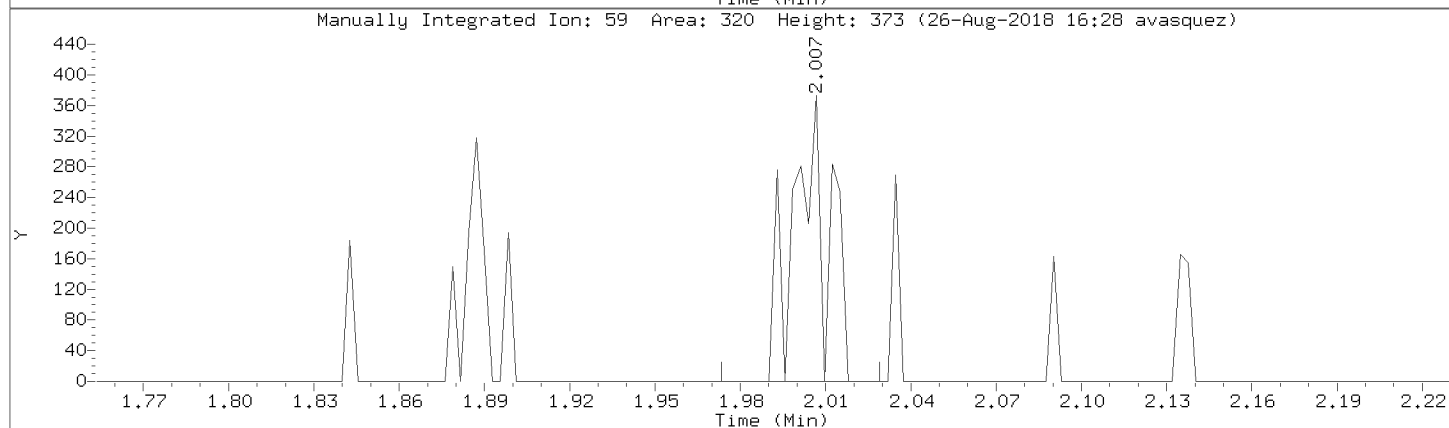
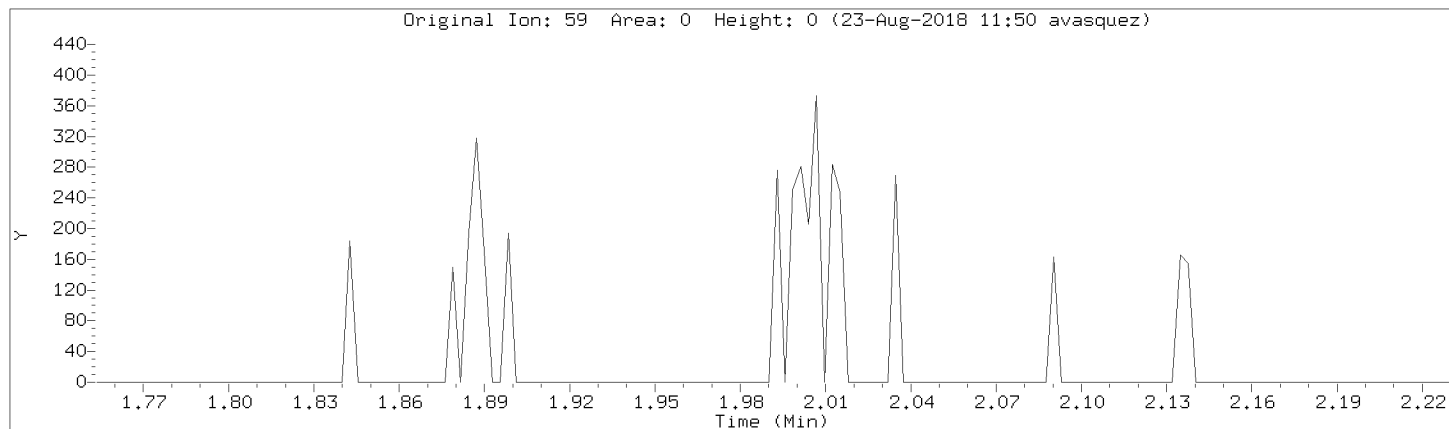


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



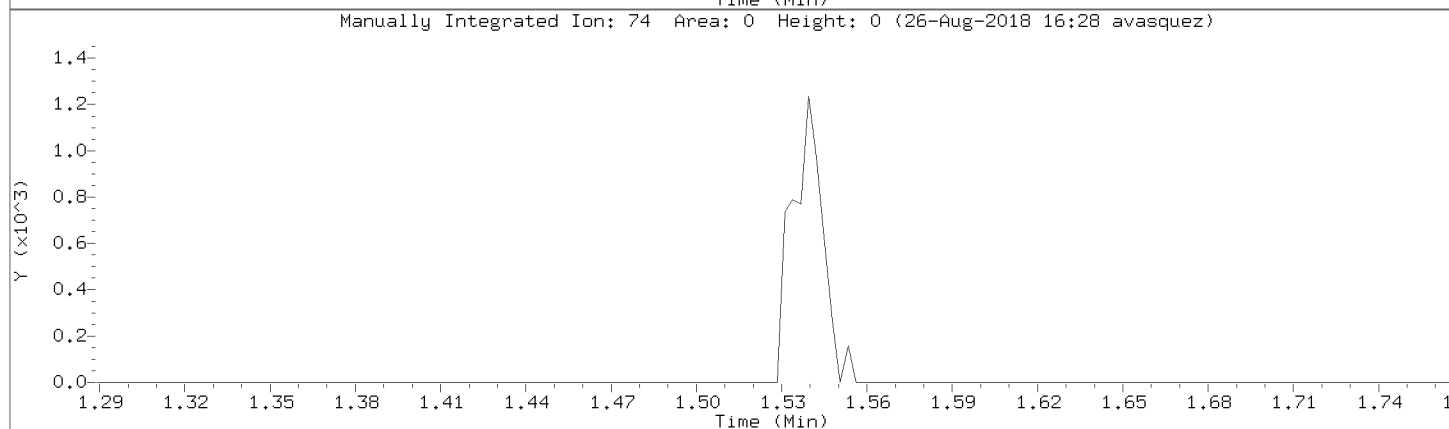
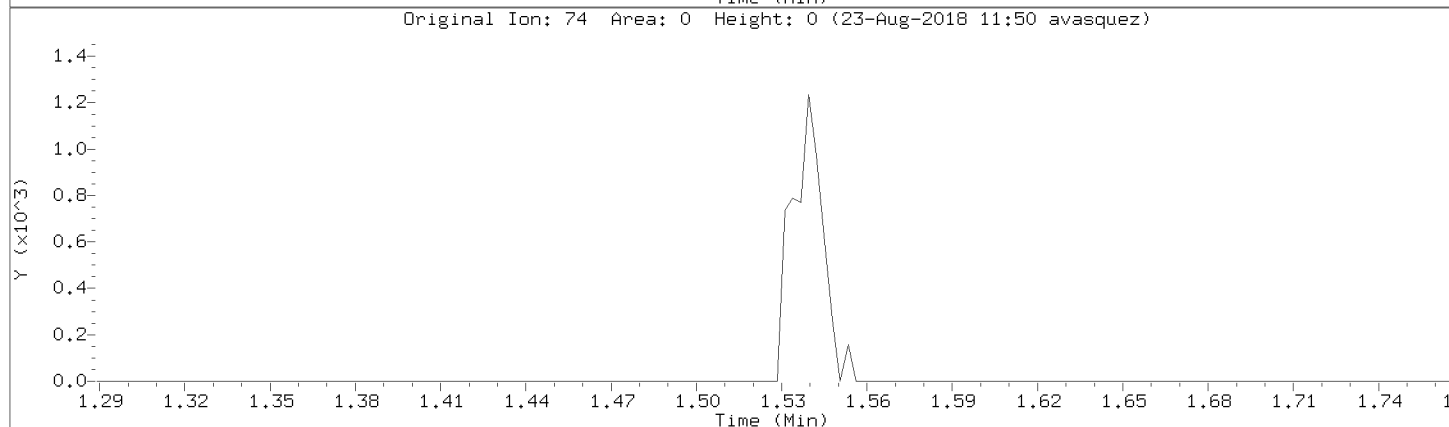
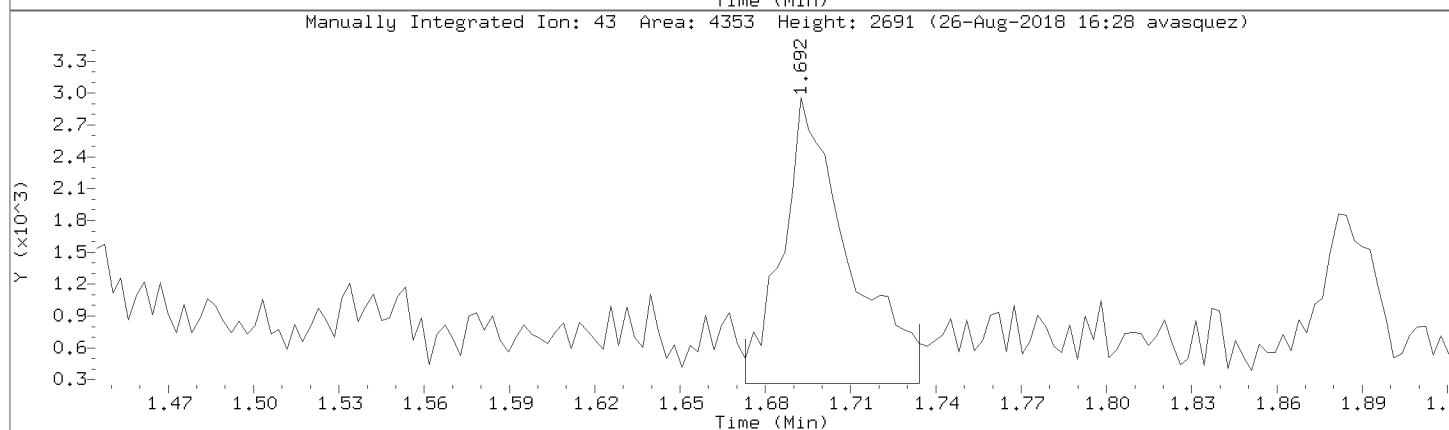
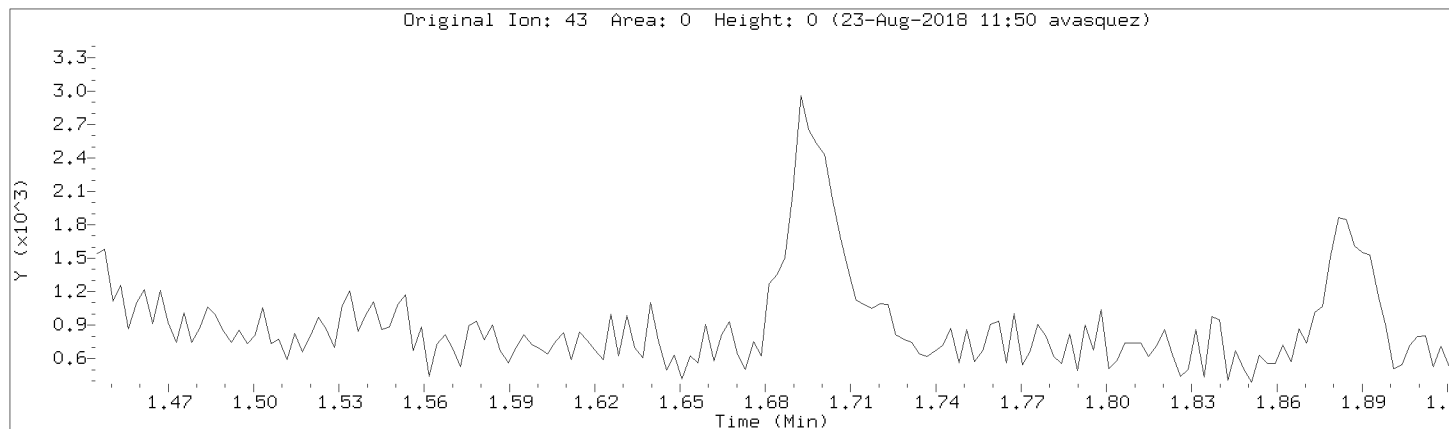
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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

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



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: Methyl Acetate Review Code: NI
CAS Number: 79-20-9



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

Injection Date: 22-AUG-2018 14:52

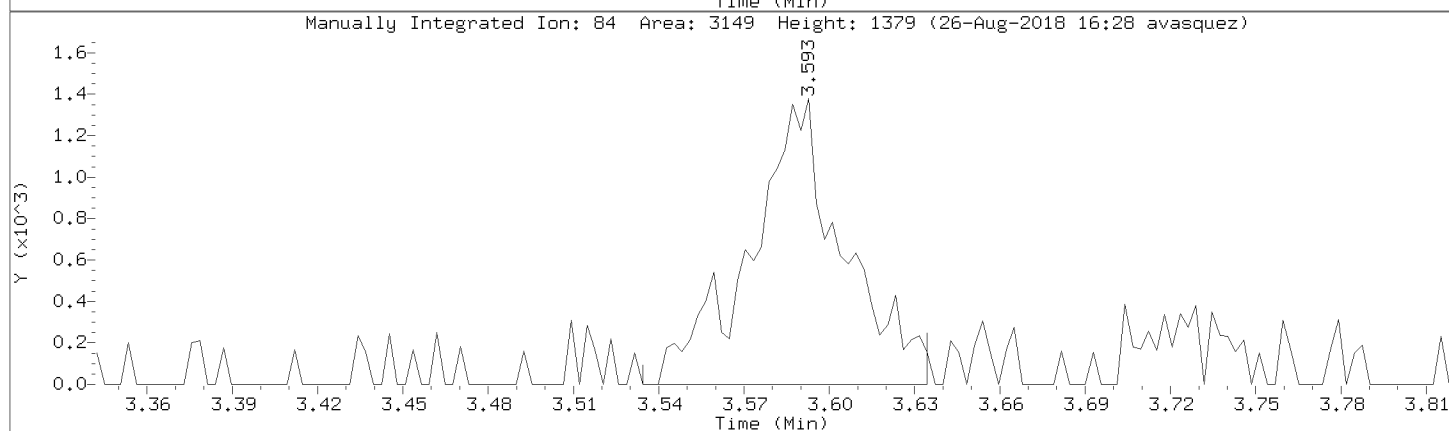
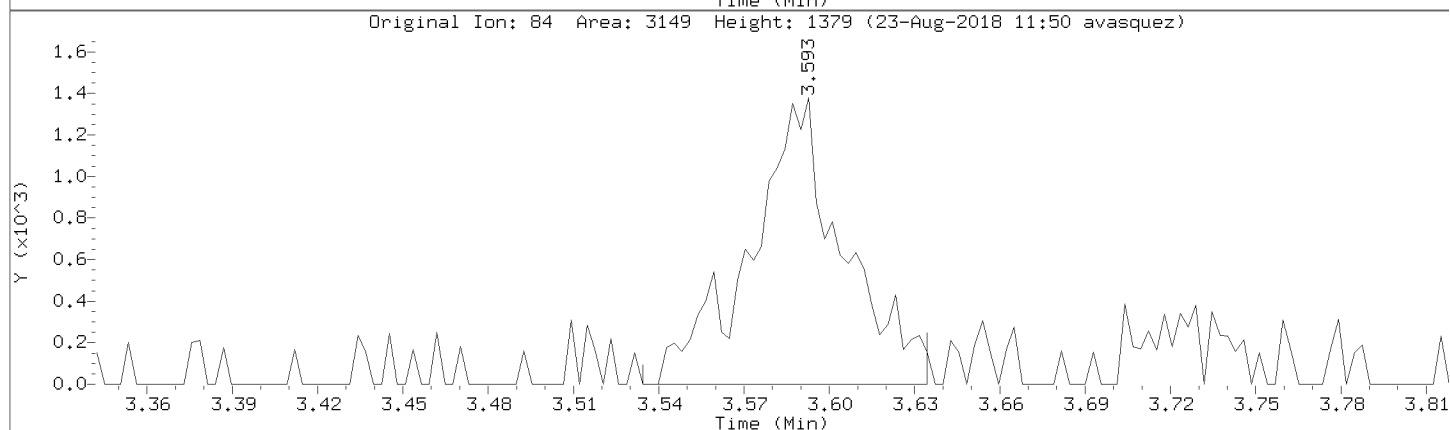
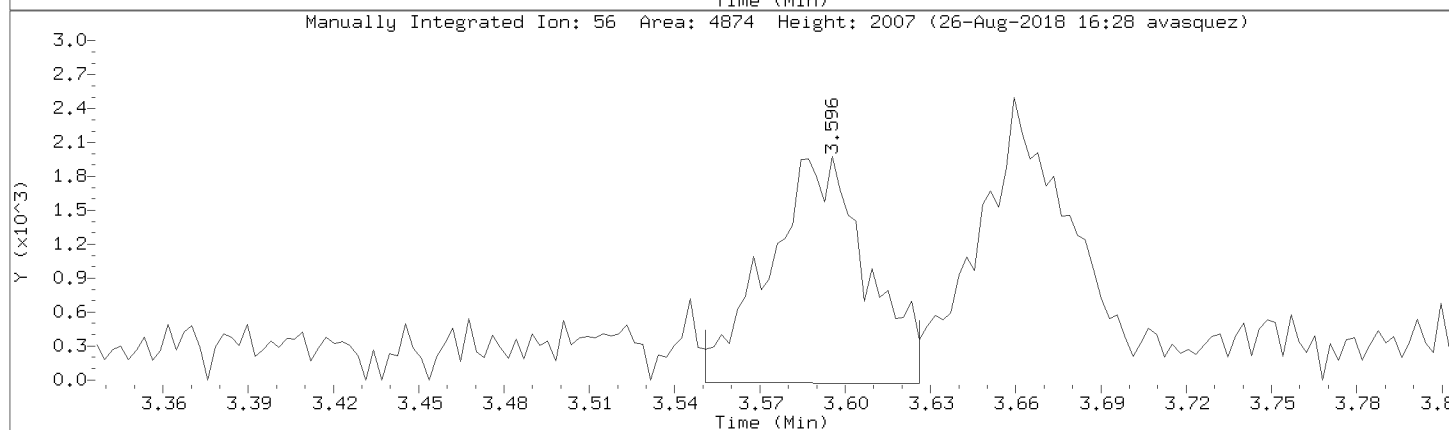
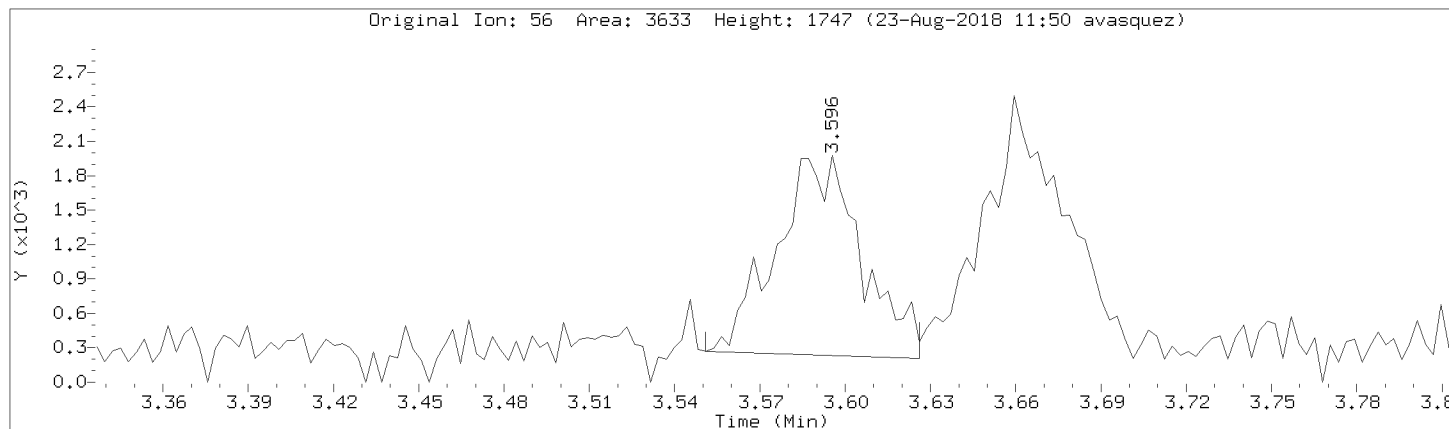
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

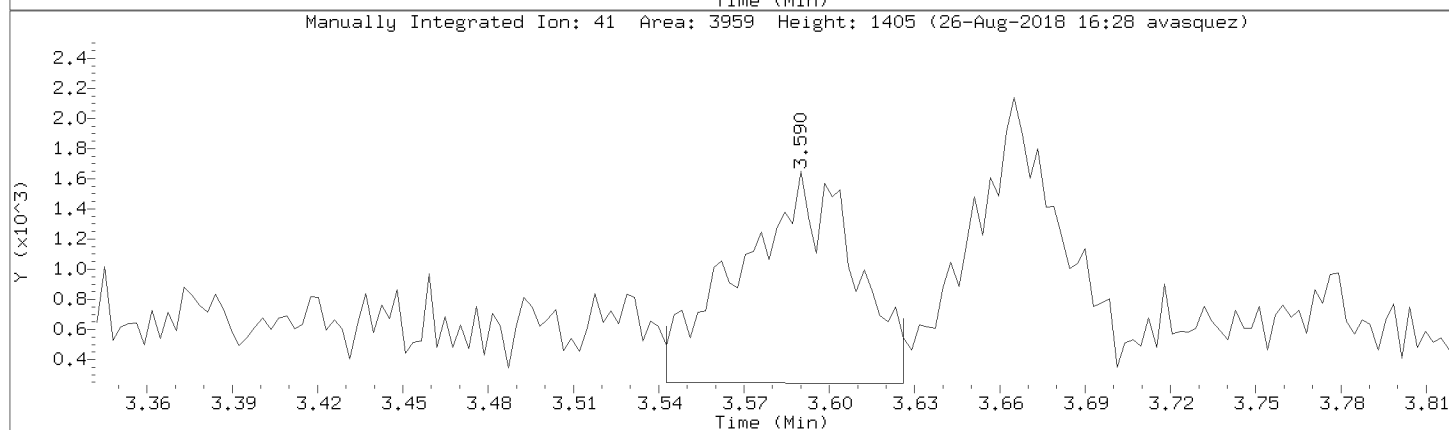
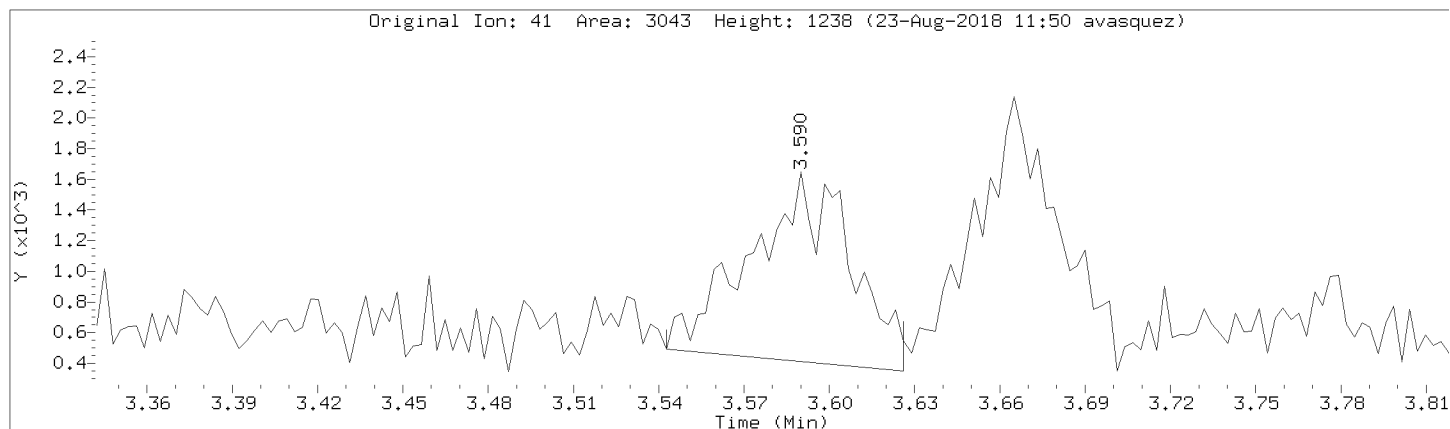
Compound: cyclohexane

Review Code: LT

CAS Number: 110-82-7

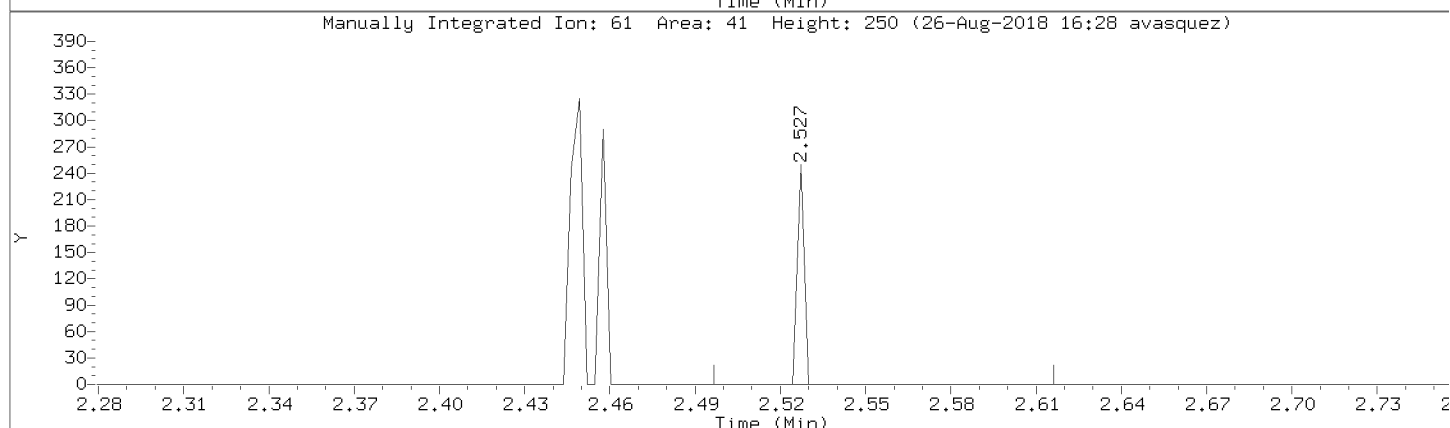
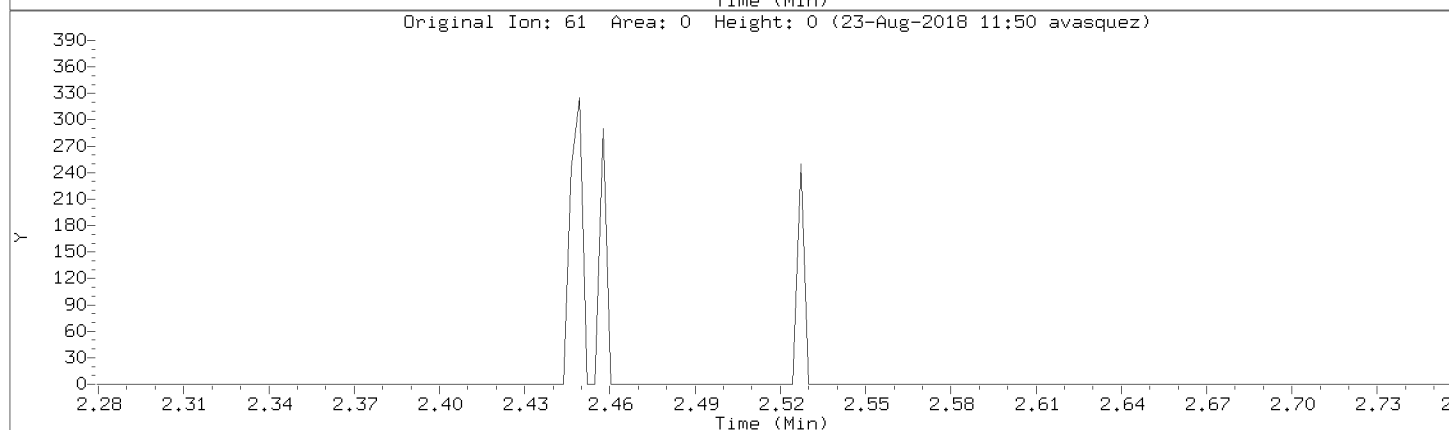
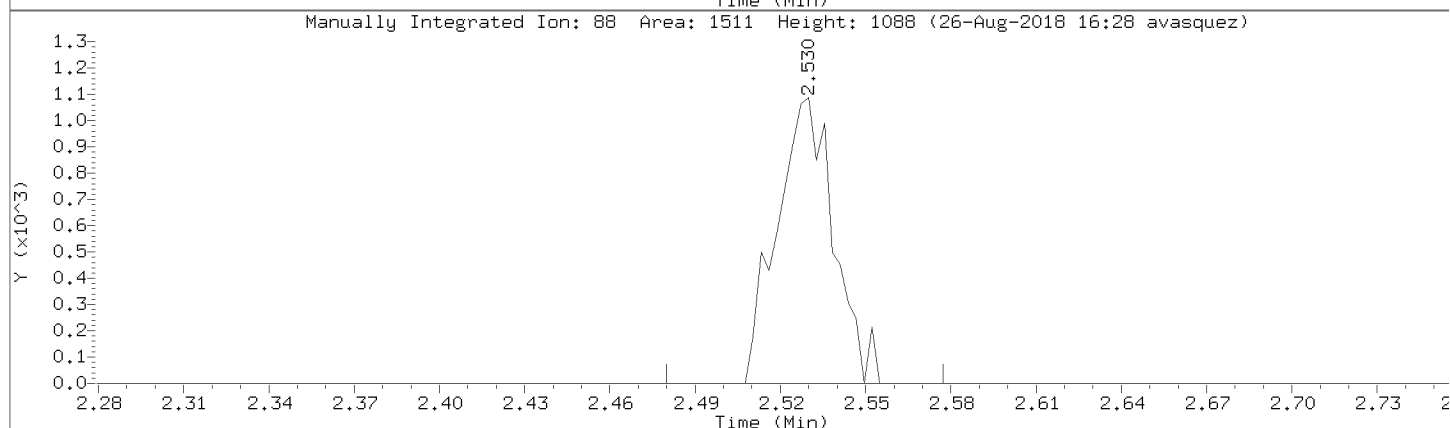
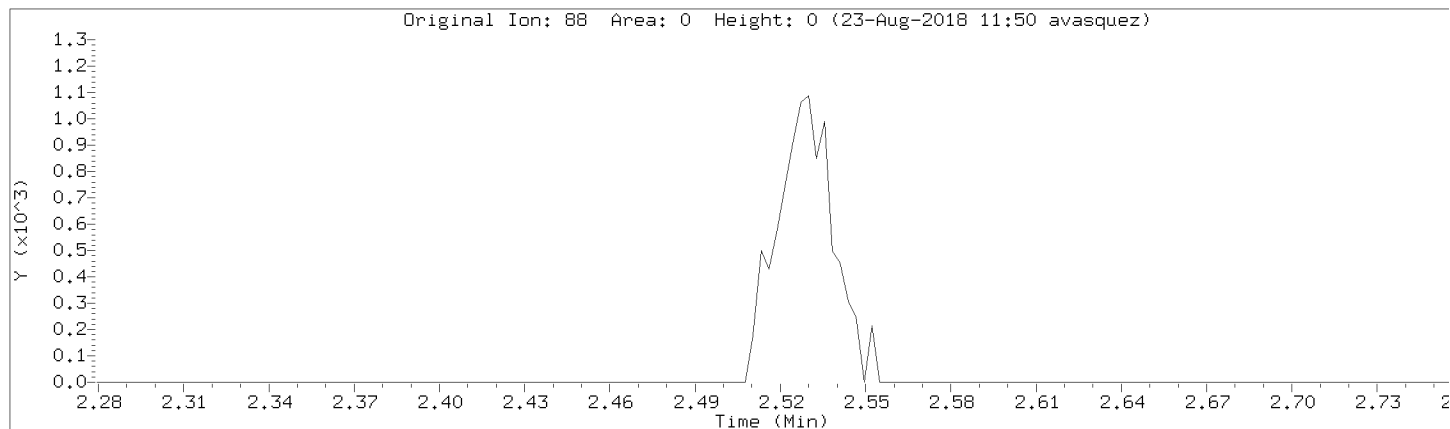


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

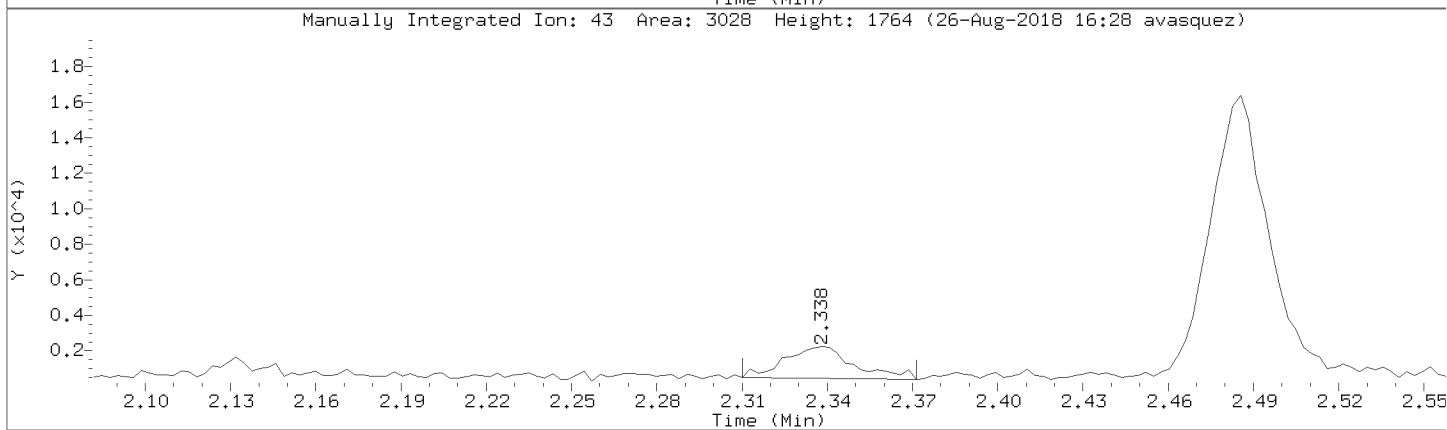
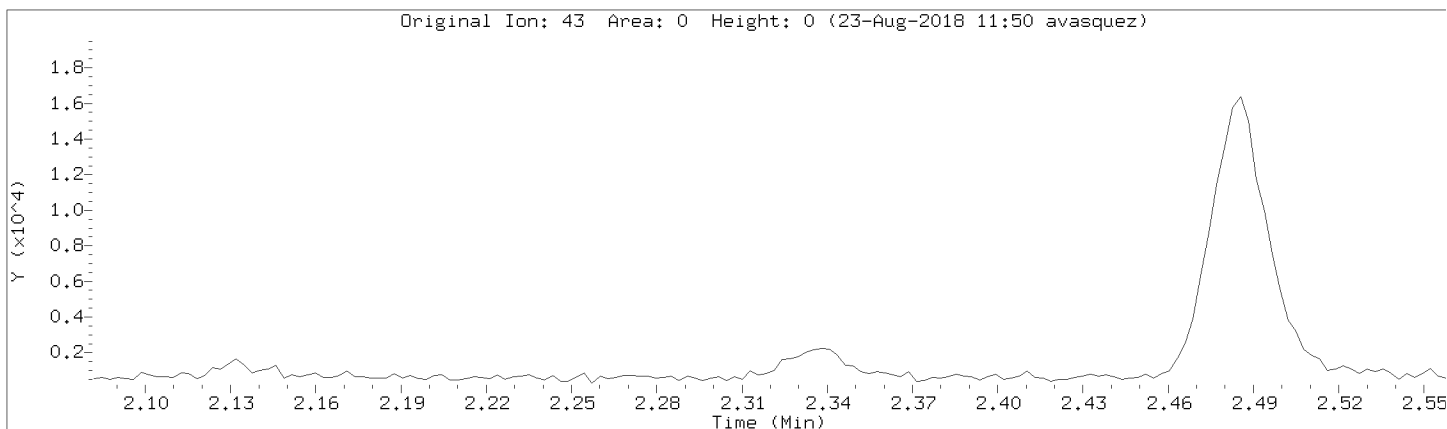


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

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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Injection Date: 22-AUG-2018 14:52

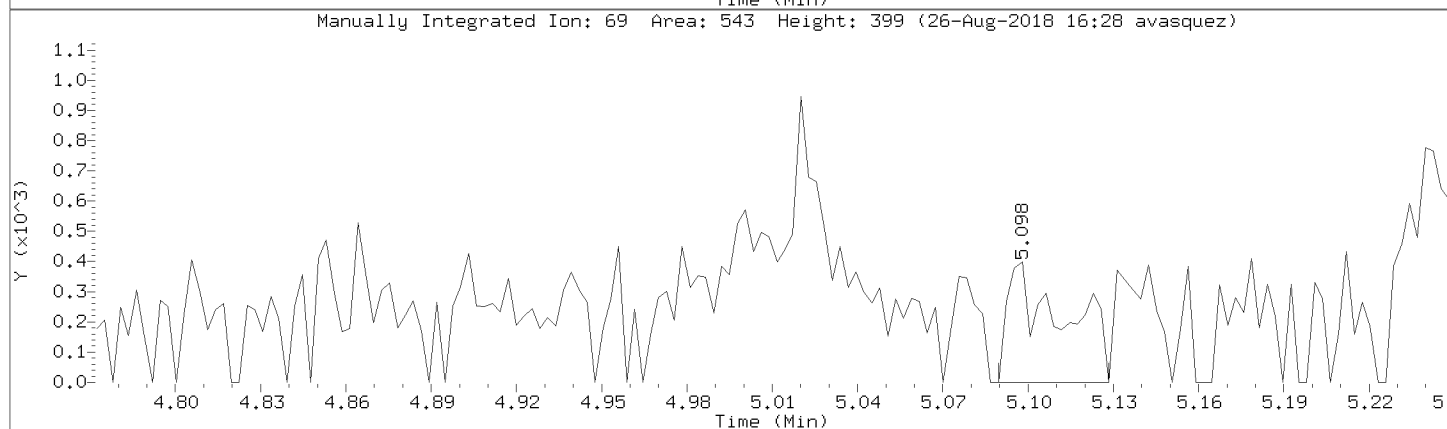
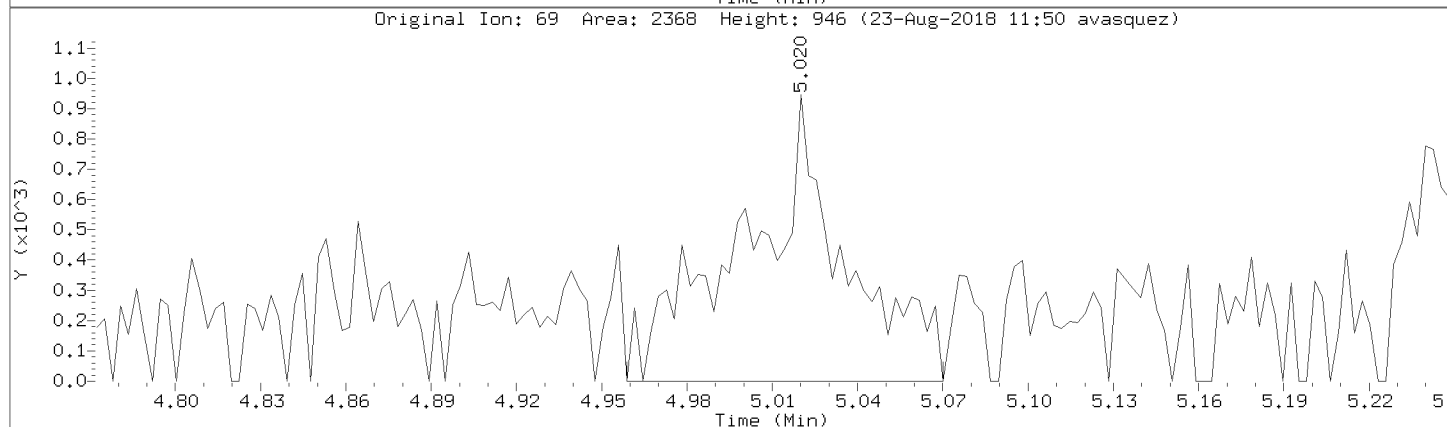
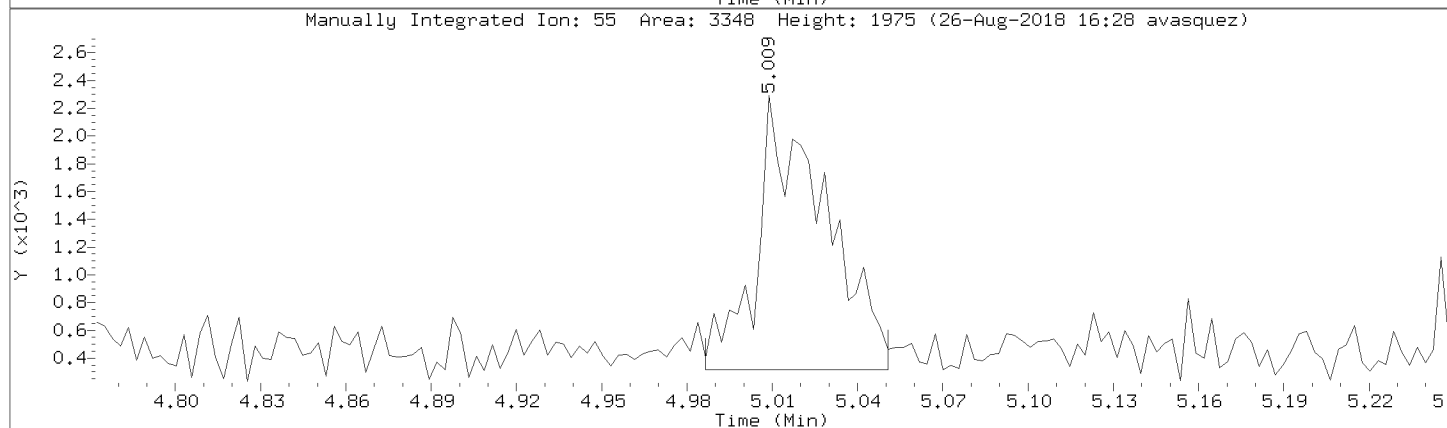
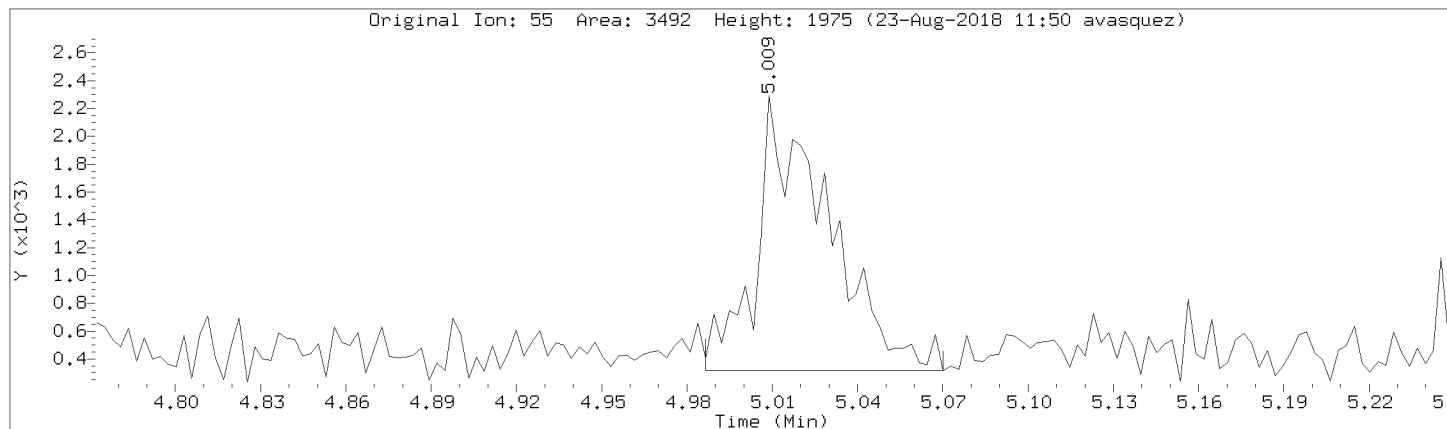
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: Methylcyclohexane

Review Code: GT

CAS Number: 108-87-2

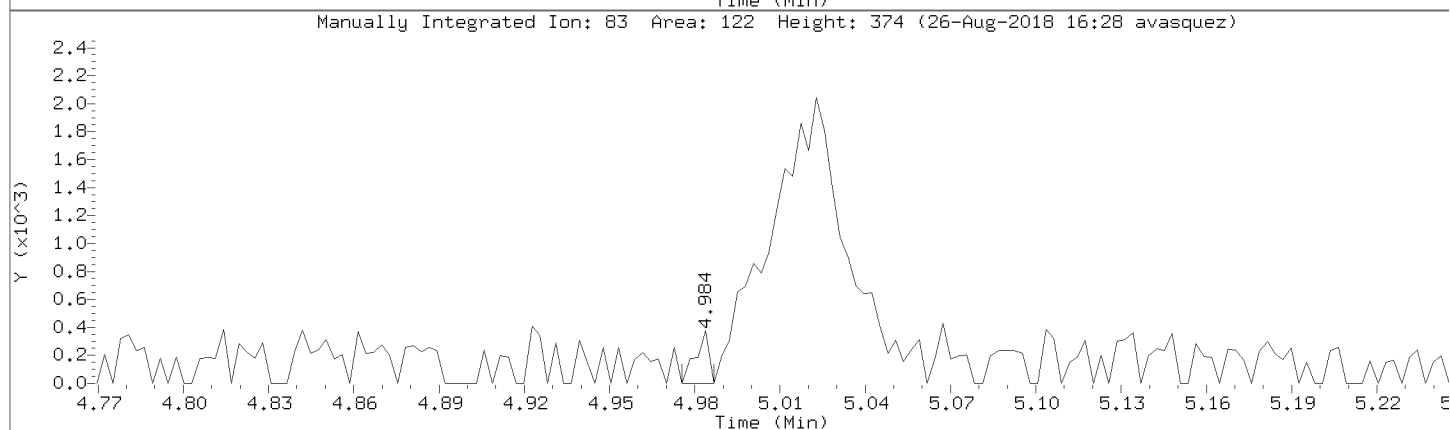
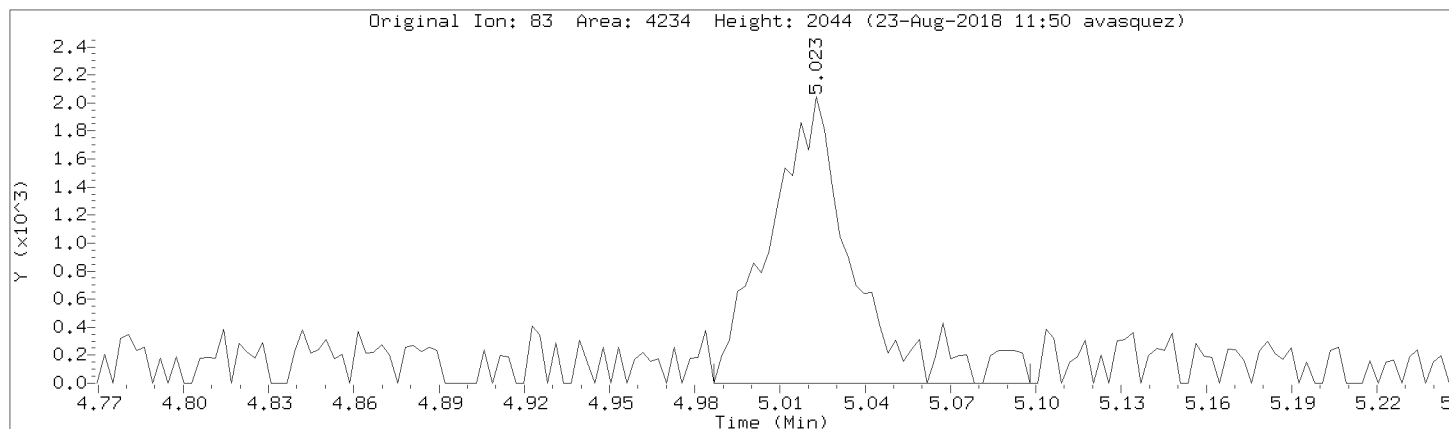


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Injection Date: 22-AUG-2018 14:52

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2



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Injection Date: 22-AUG-2018 14:52

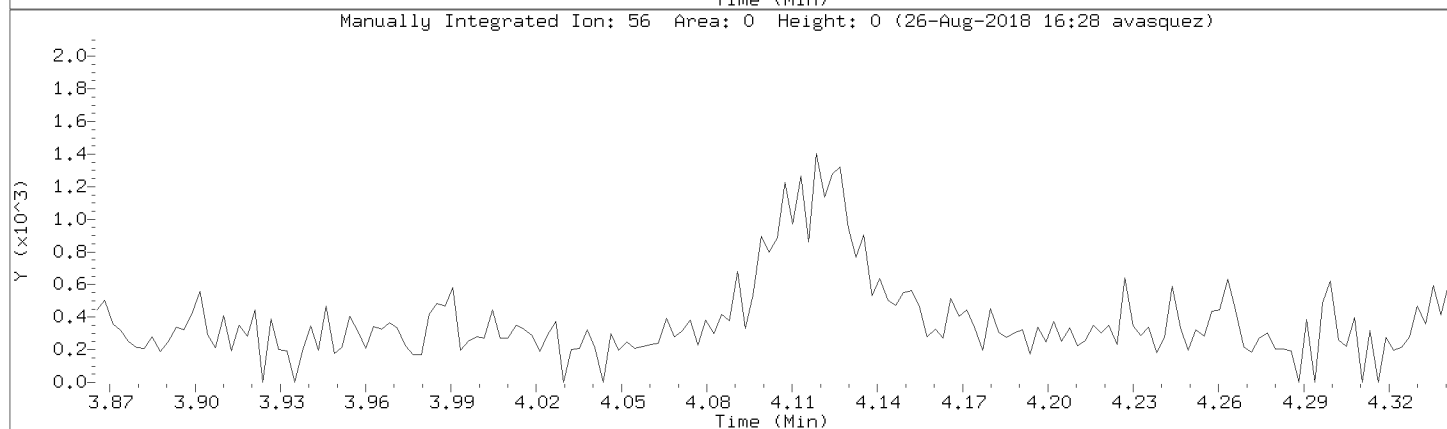
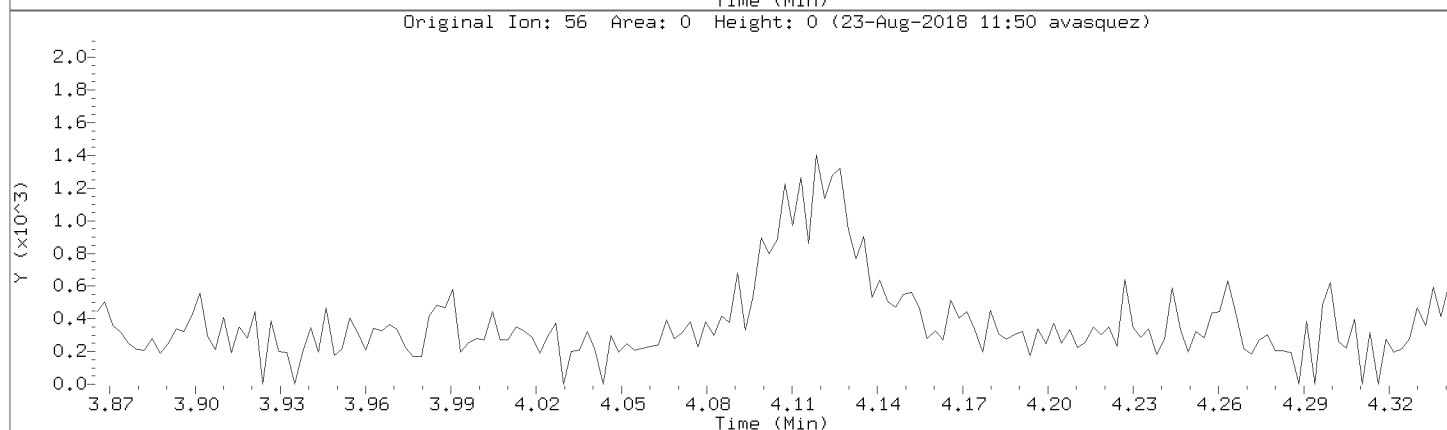
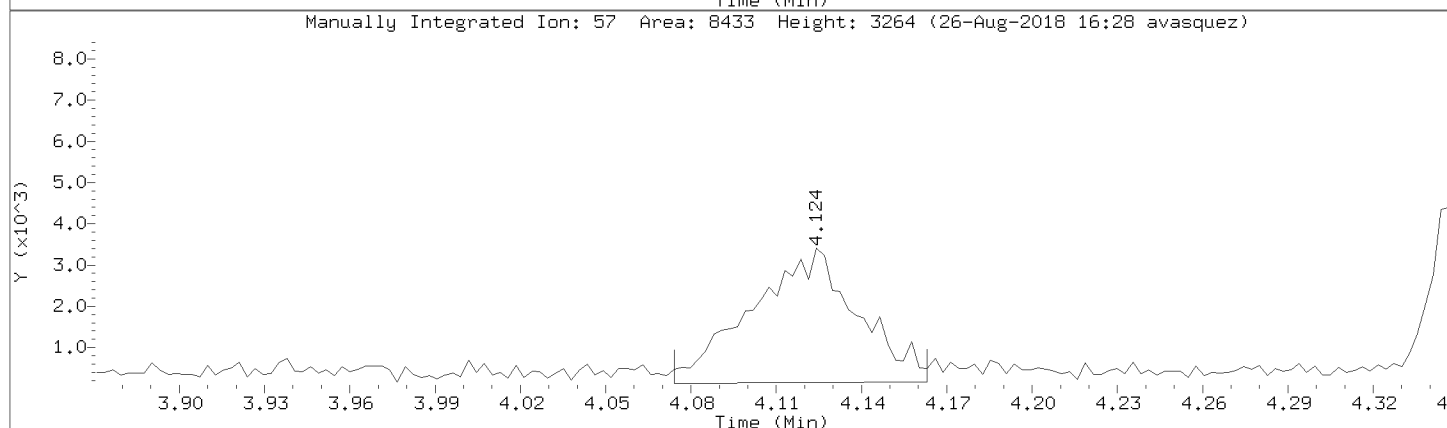
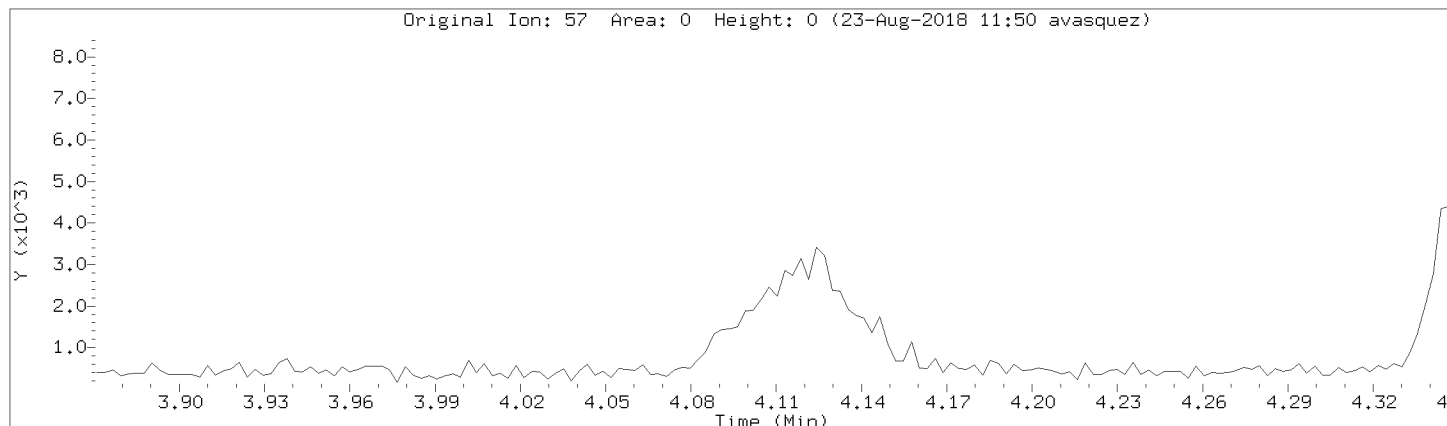
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: 2,2,4-Trimethylpentane

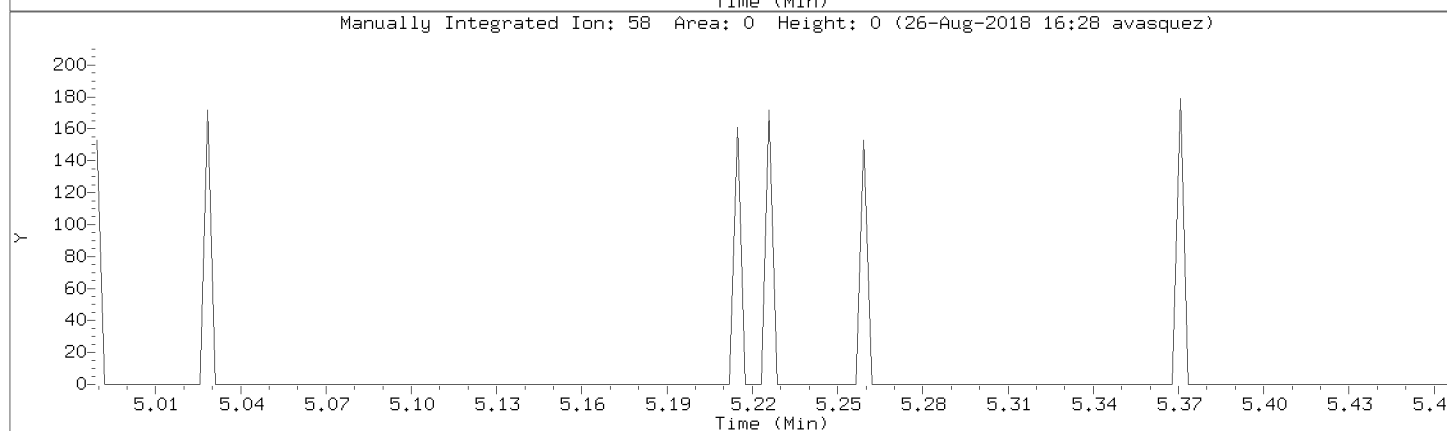
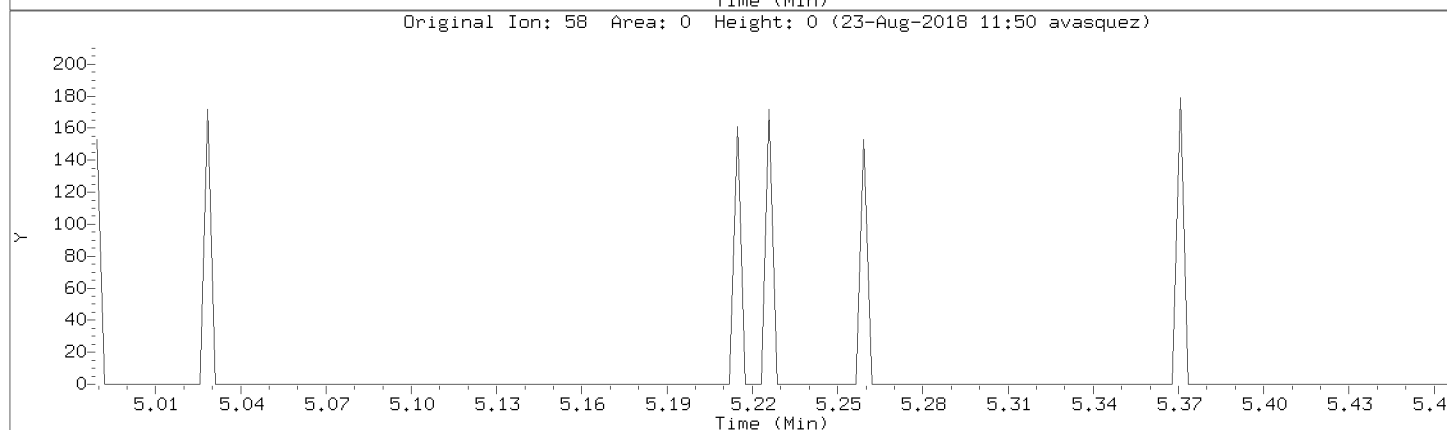
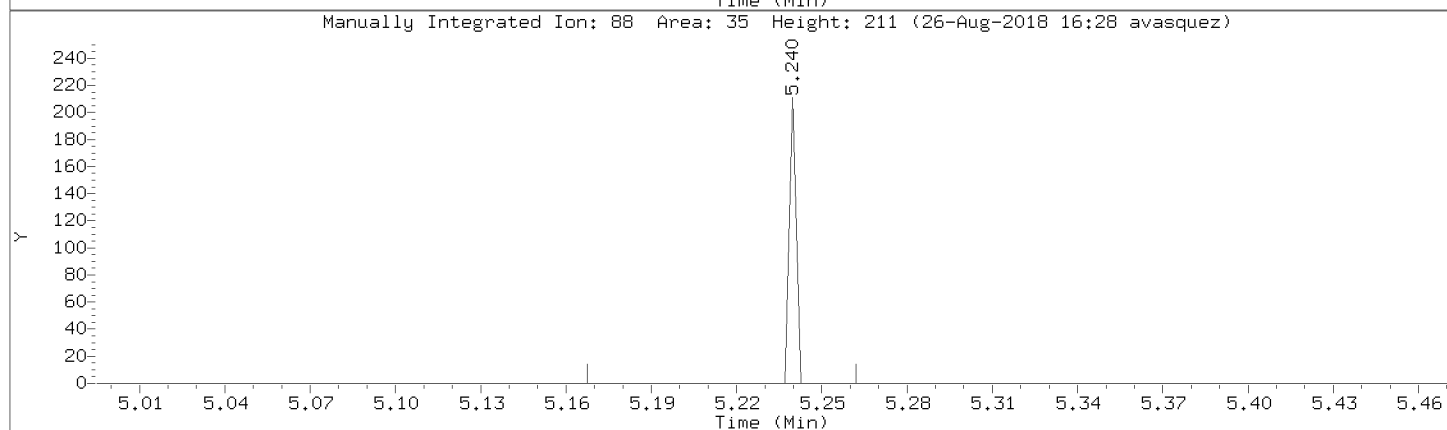
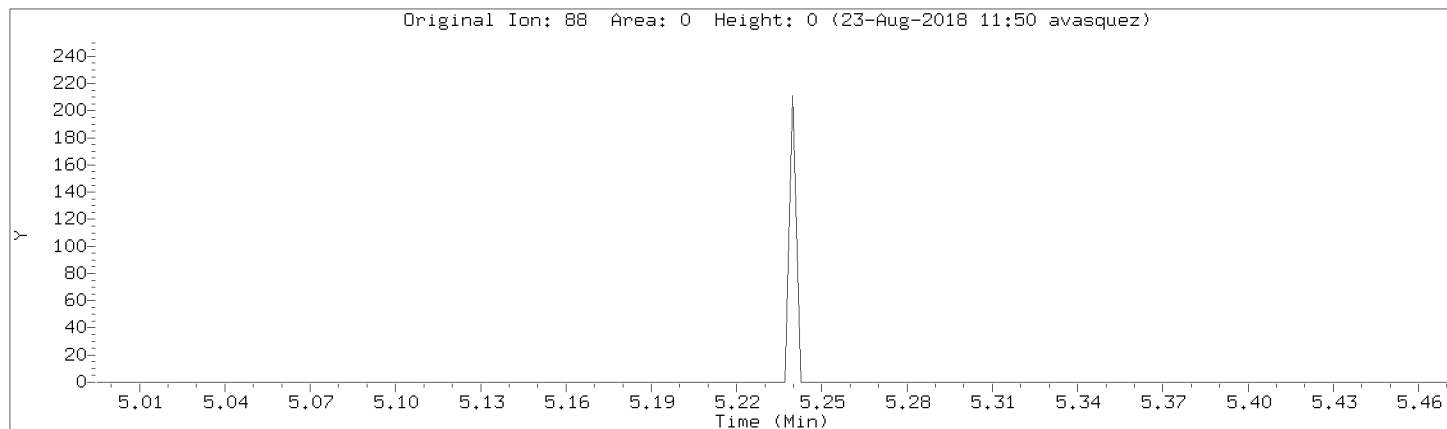
Review Code:

CAS Number: 540-84-1



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: 1,4-Dioxane 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

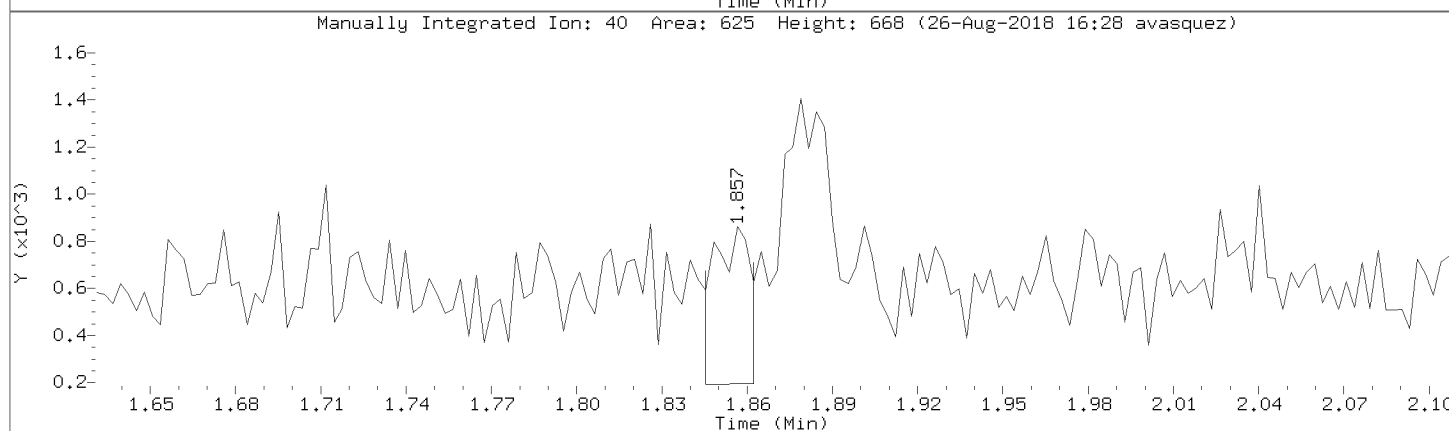
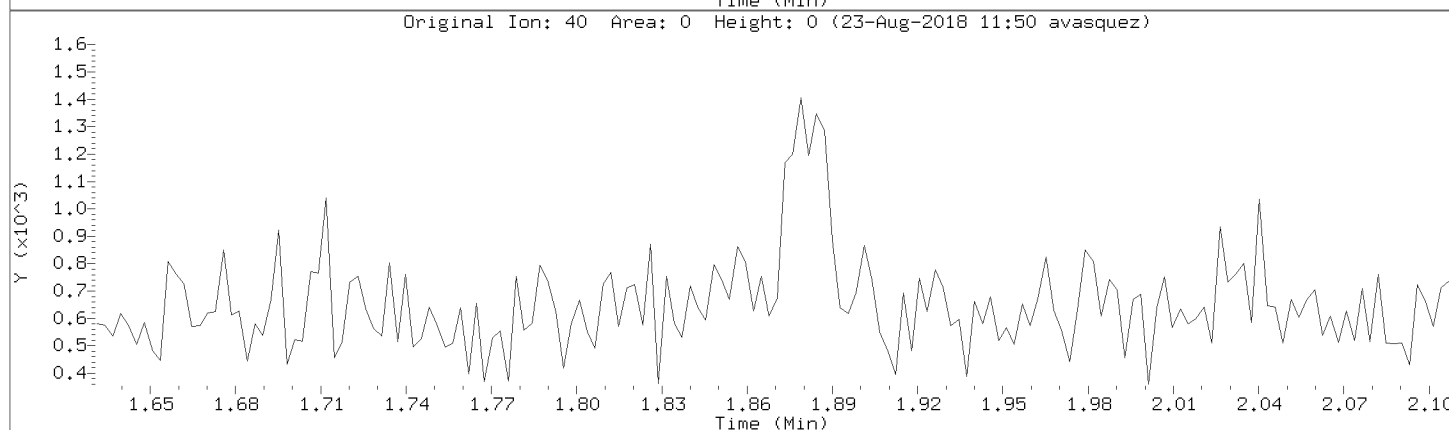
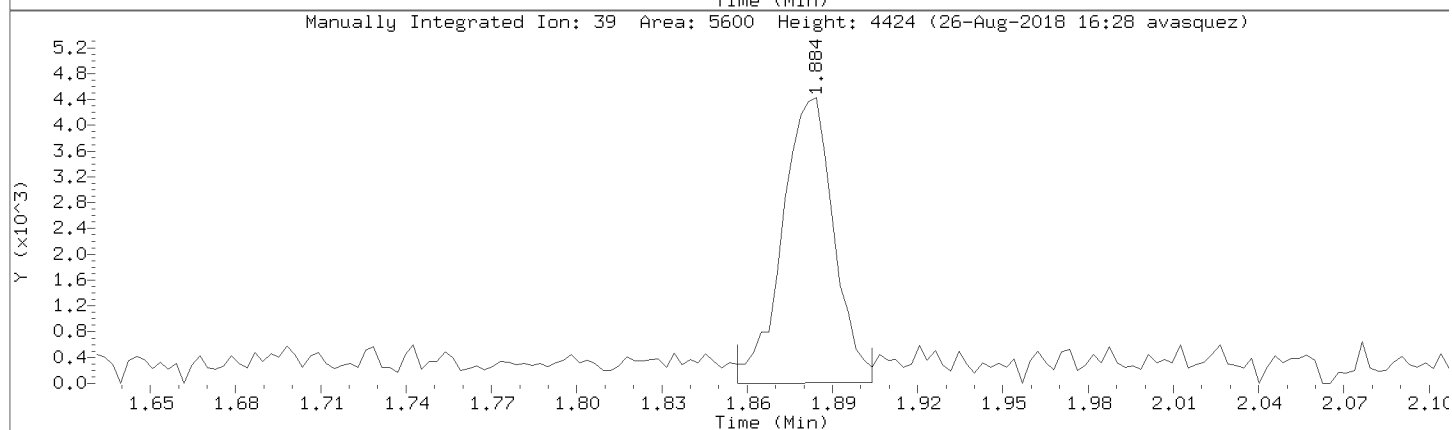
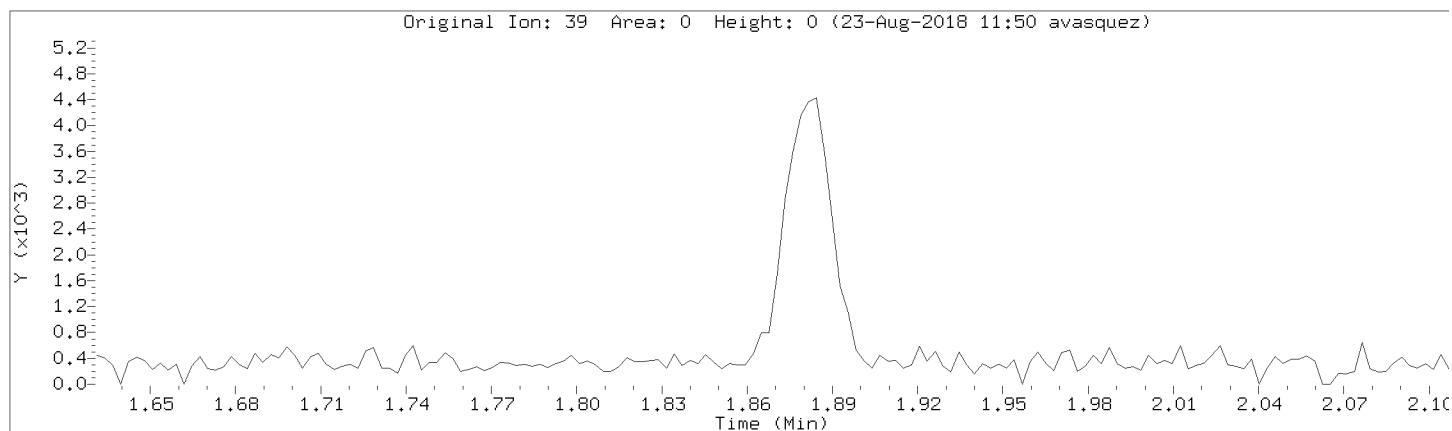
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: Acetonitrile

Review Code: NI

CAS Number: 75-05-8

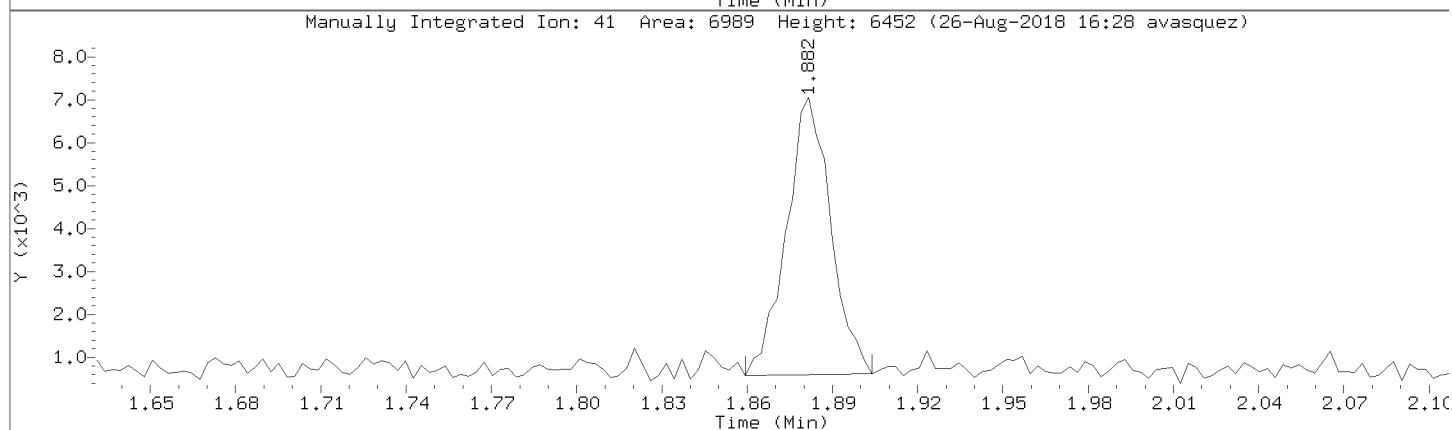
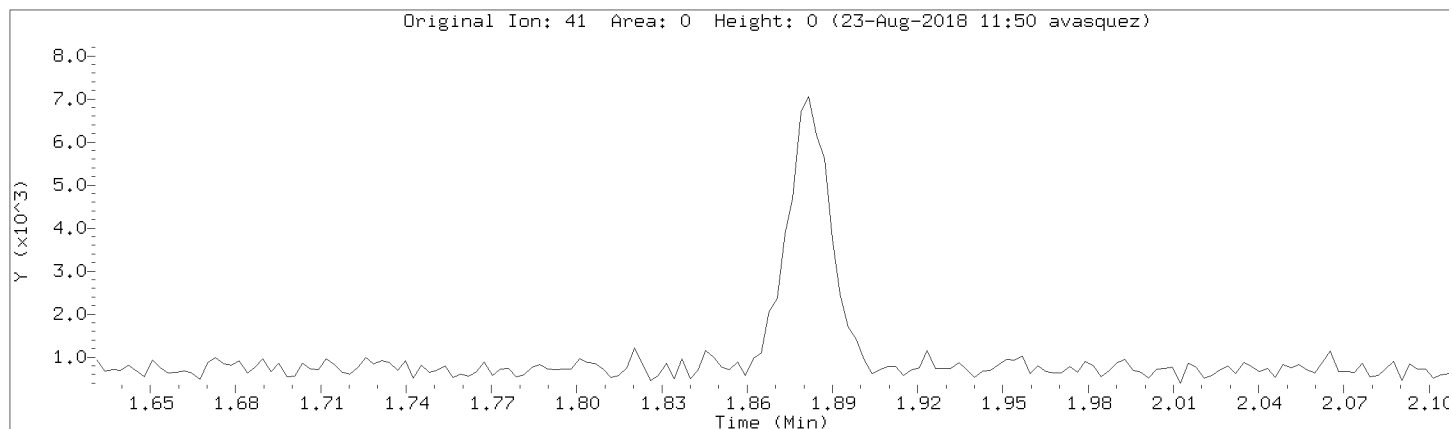


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Injection Date: 22-AUG-2018 14:52

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2



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Injection Date: 22-AUG-2018 14:52

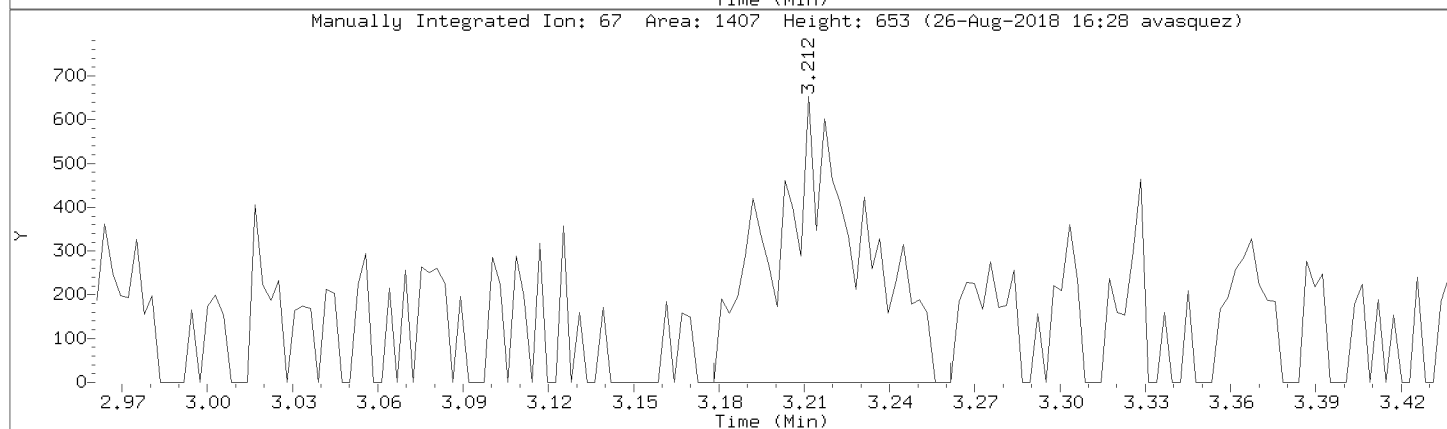
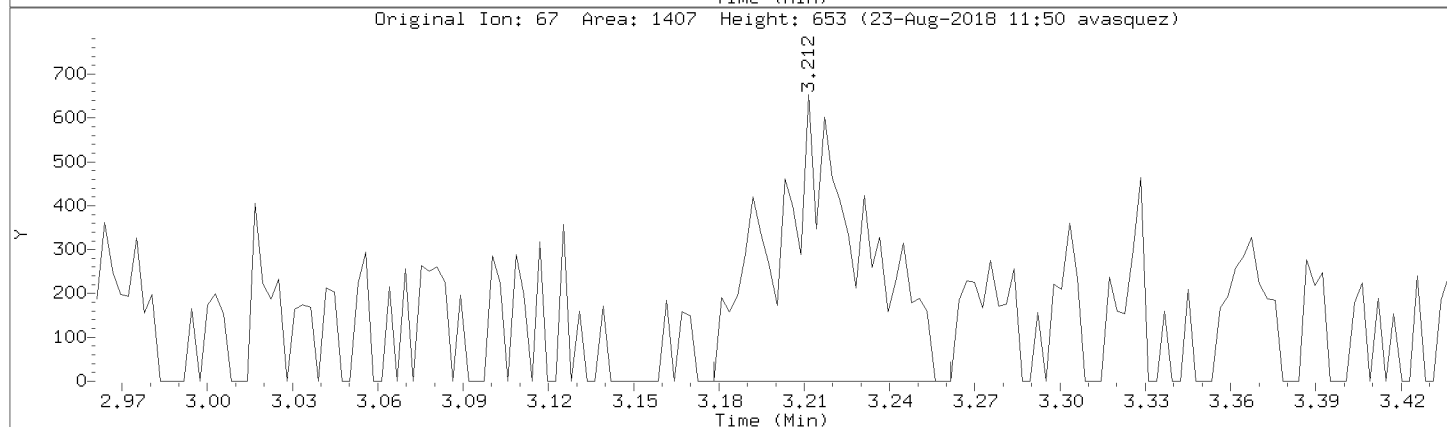
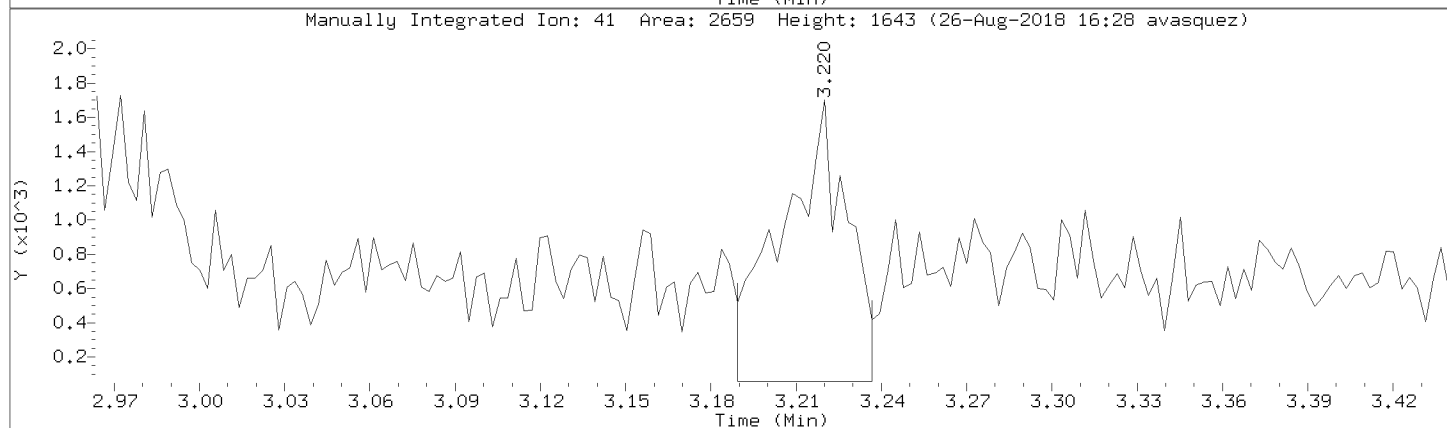
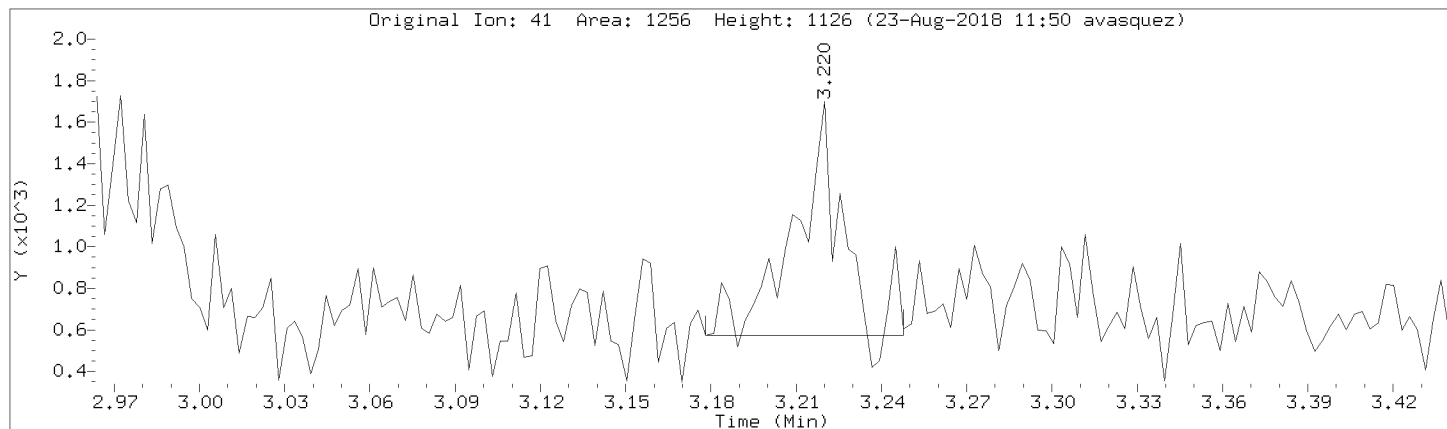
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

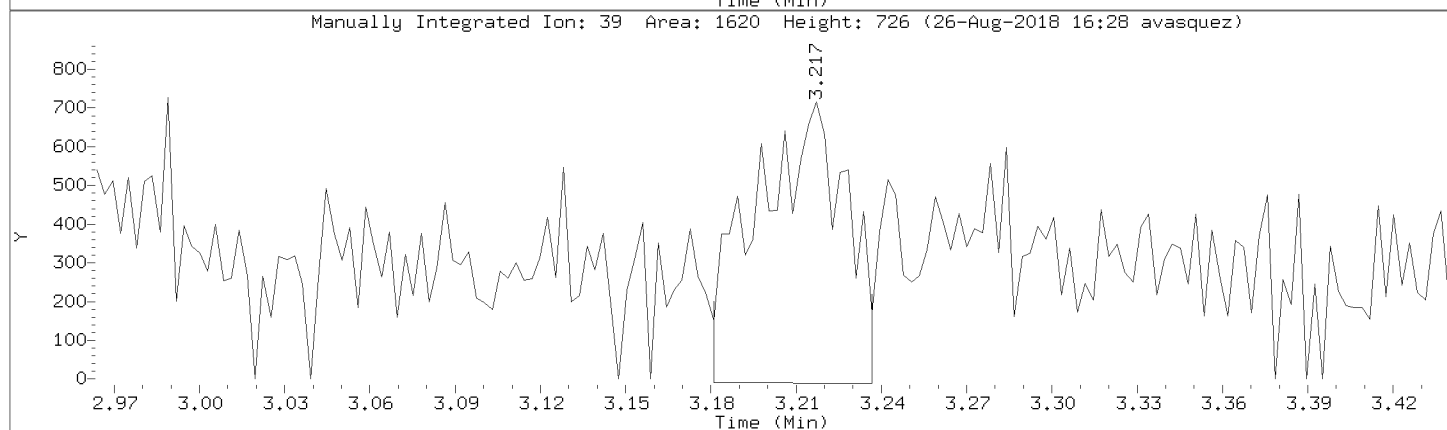
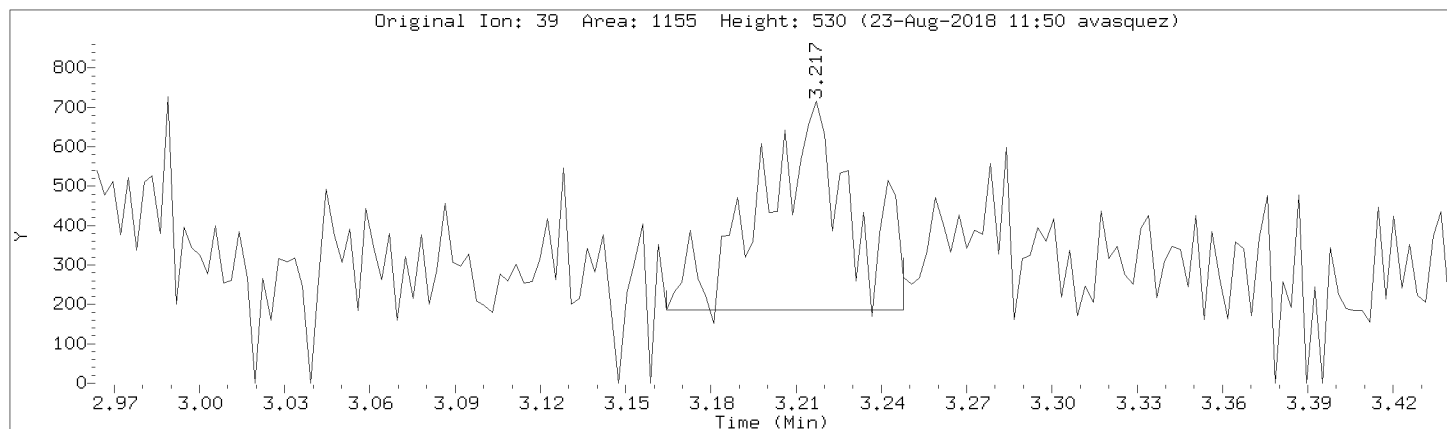
Compound: Methacrylonitrile

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

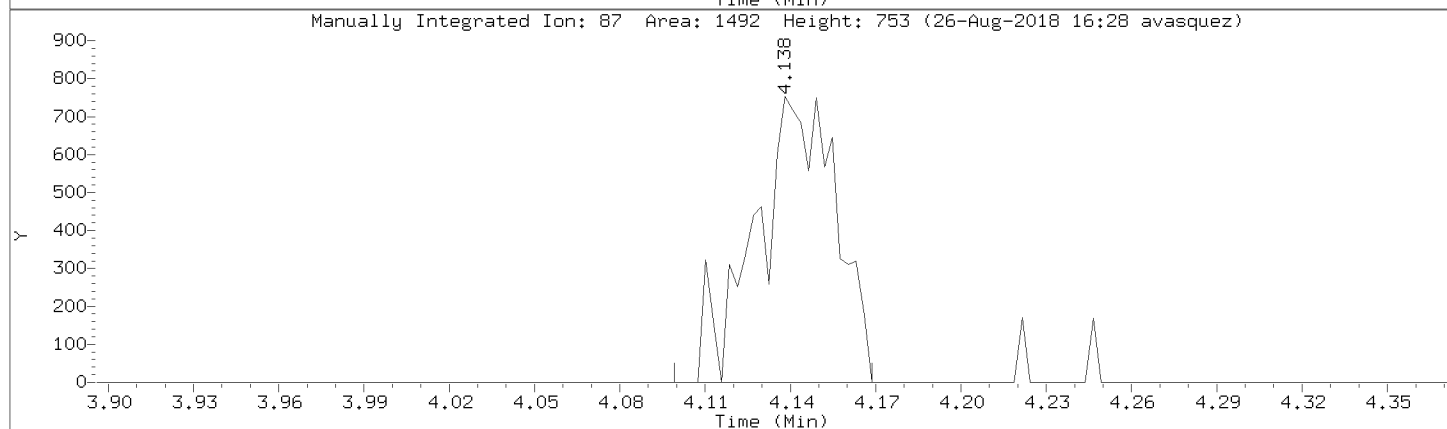
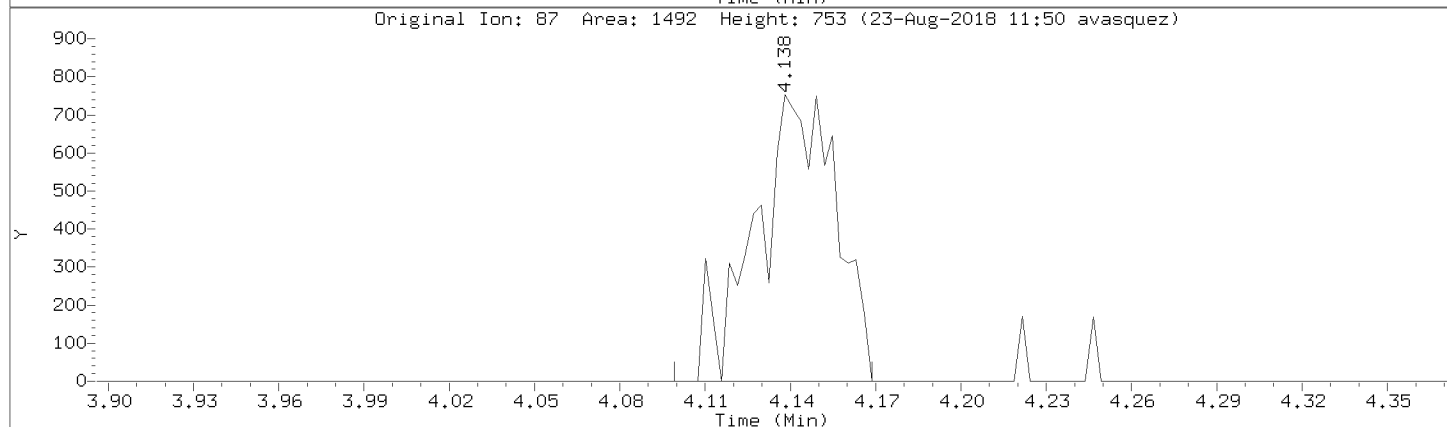
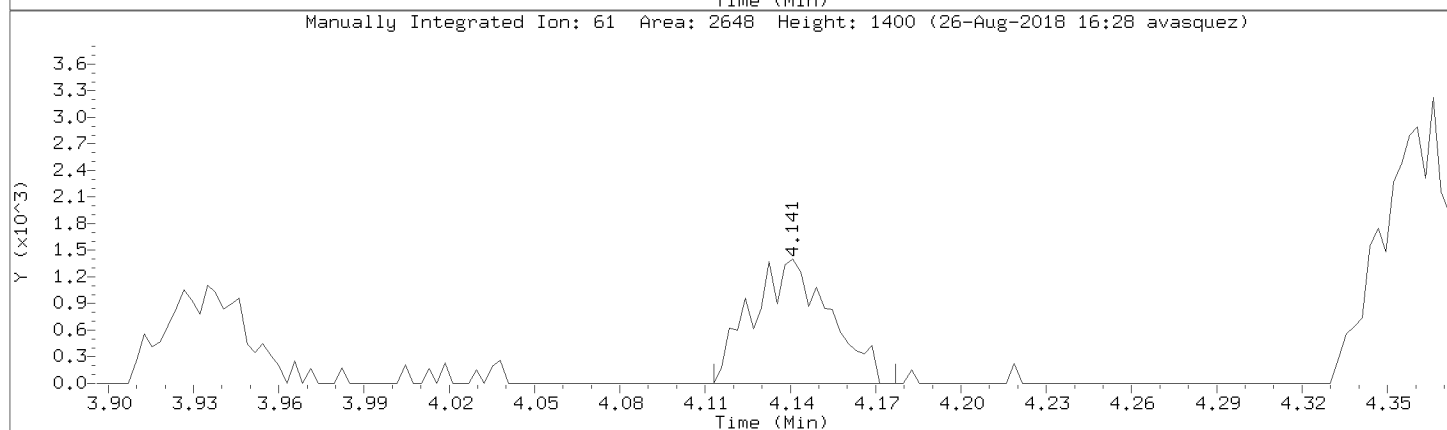
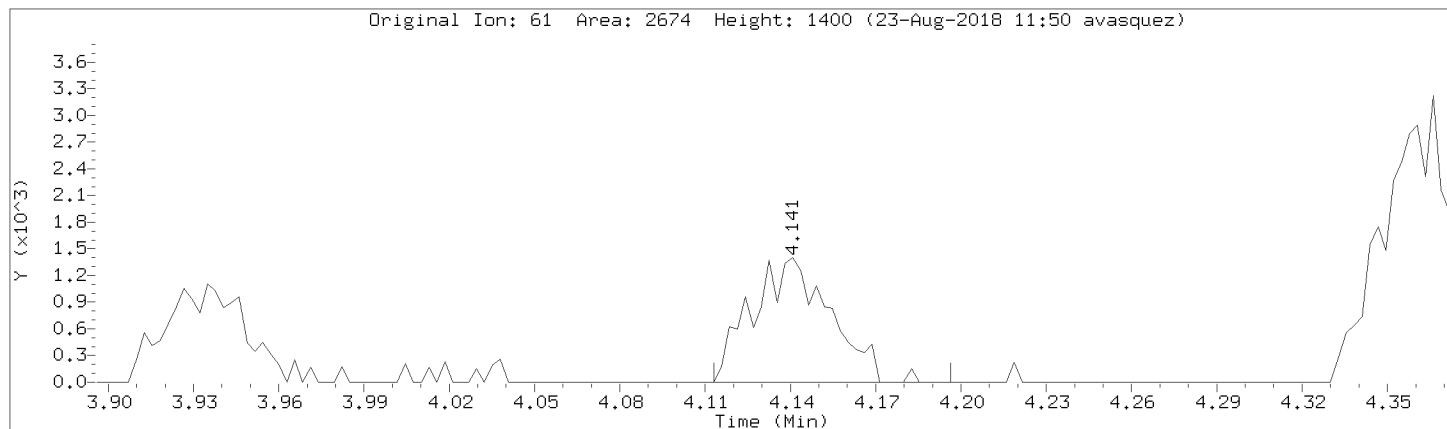
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

Compound: isopropyl acetate

Review Code: GT

CAS Number: 108-21-4

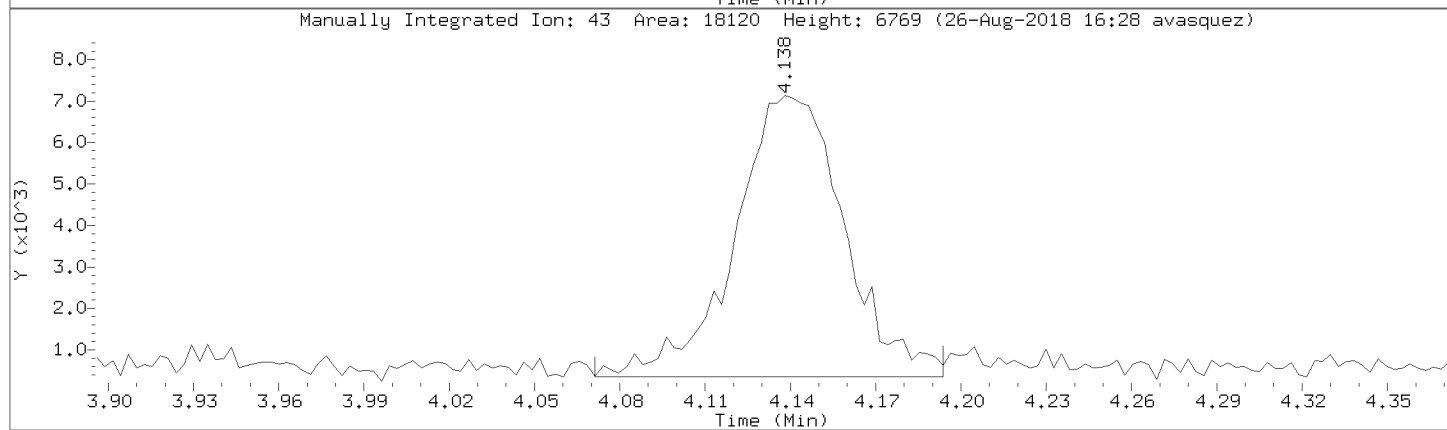
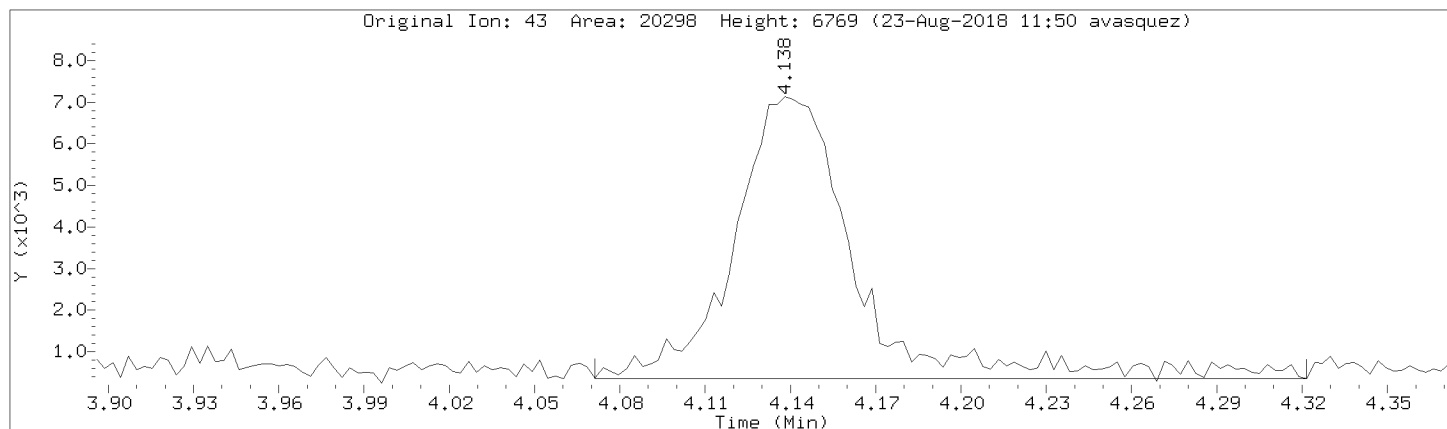


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a03cal.d

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

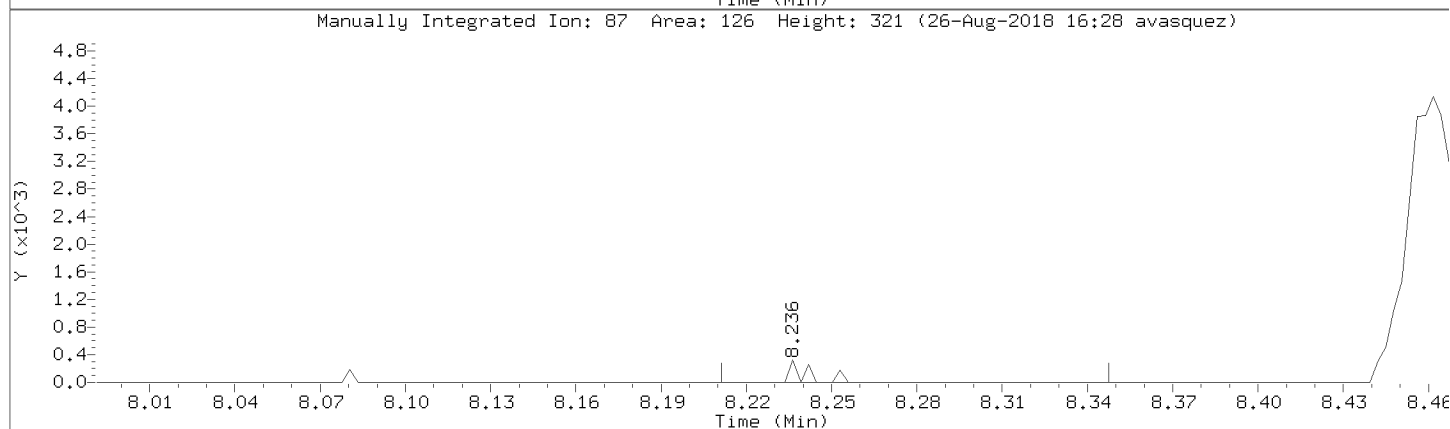
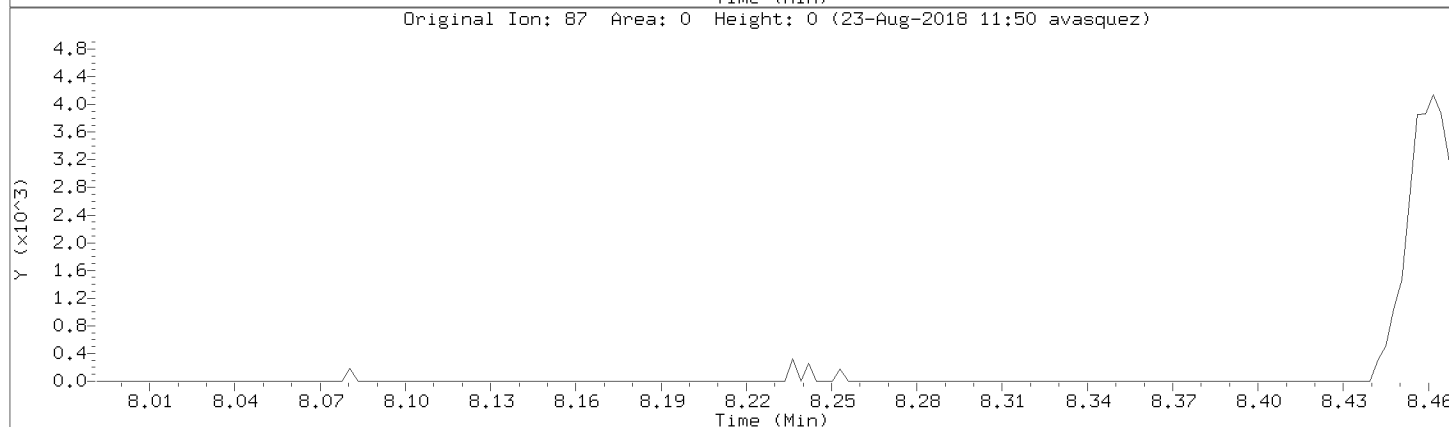
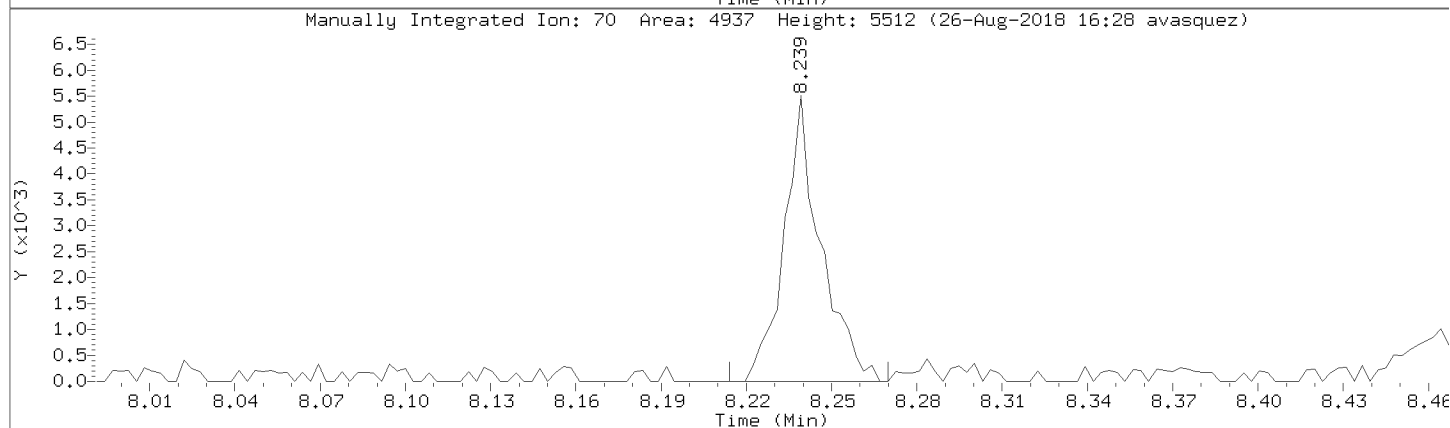
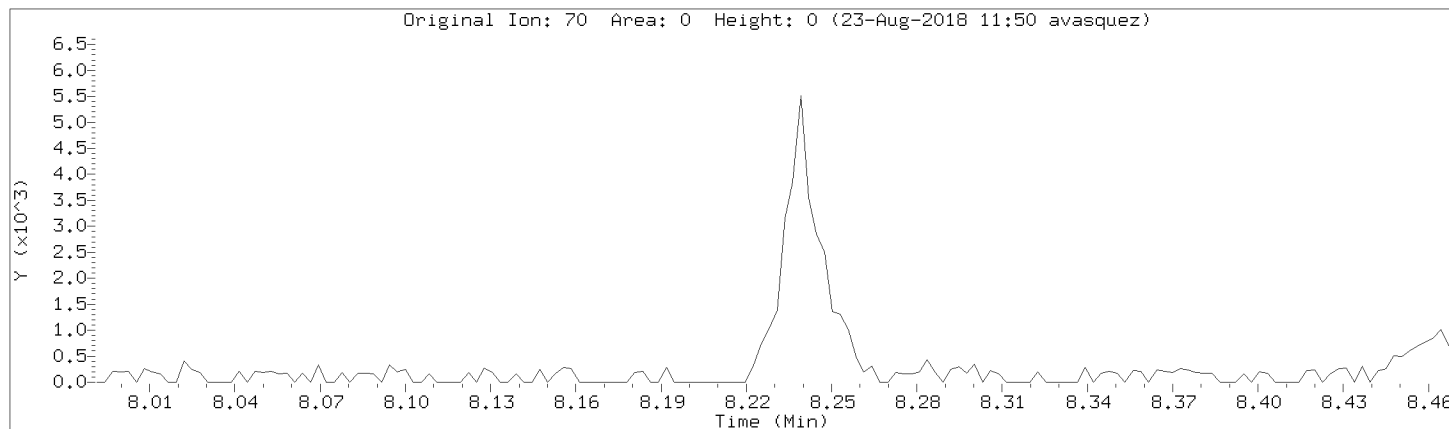
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL2

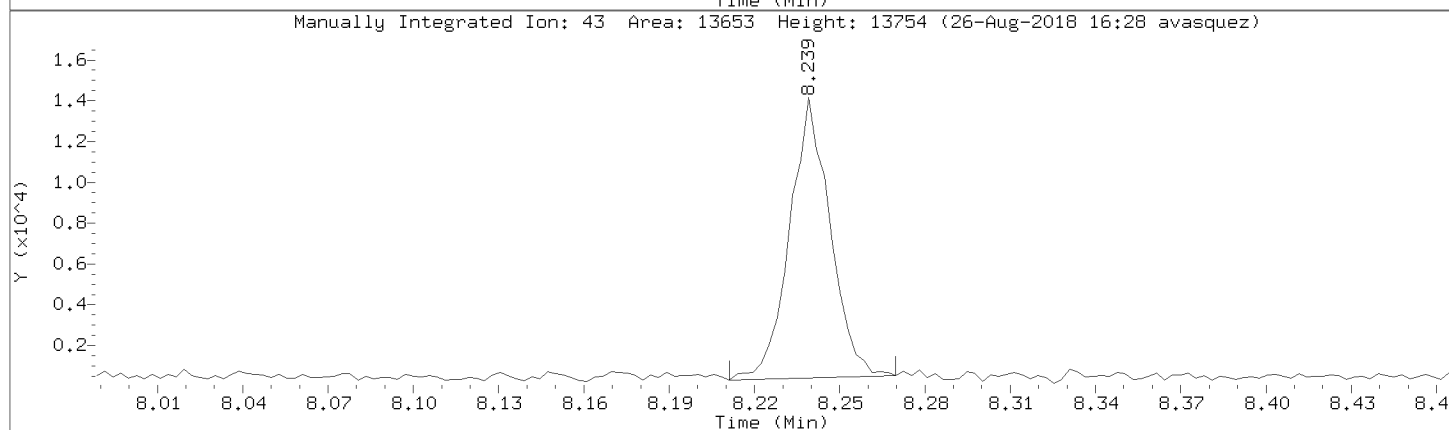
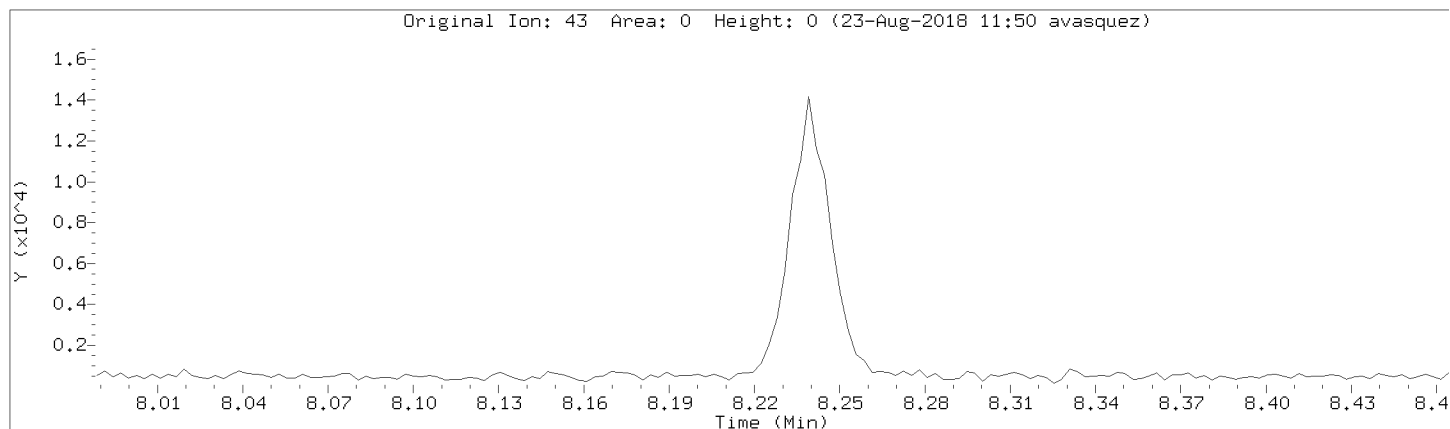
Compound: n-amyl acetate

Review Code: NI

CAS Number: 628-63-7



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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

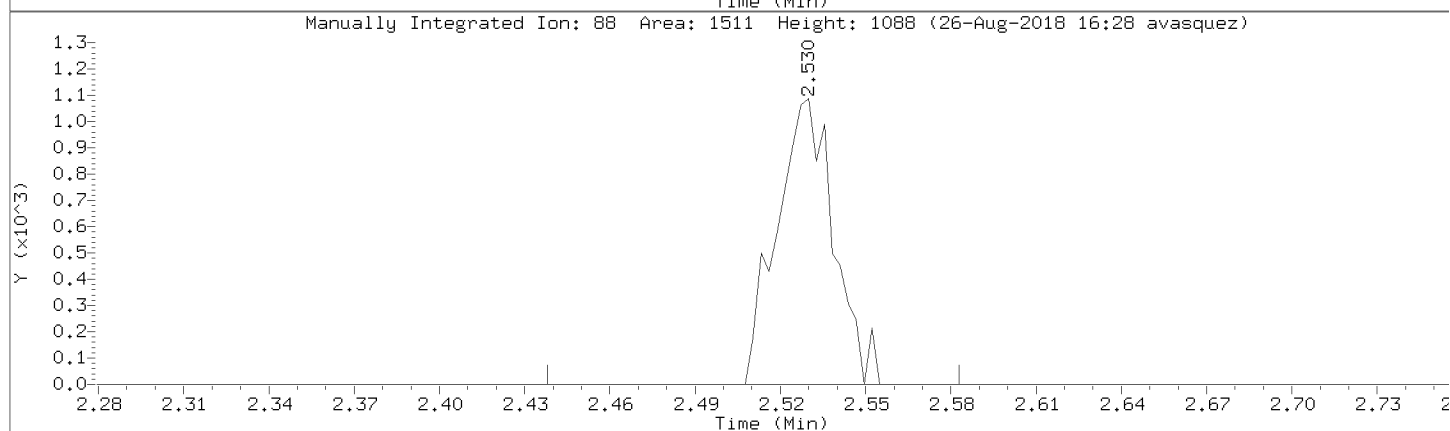
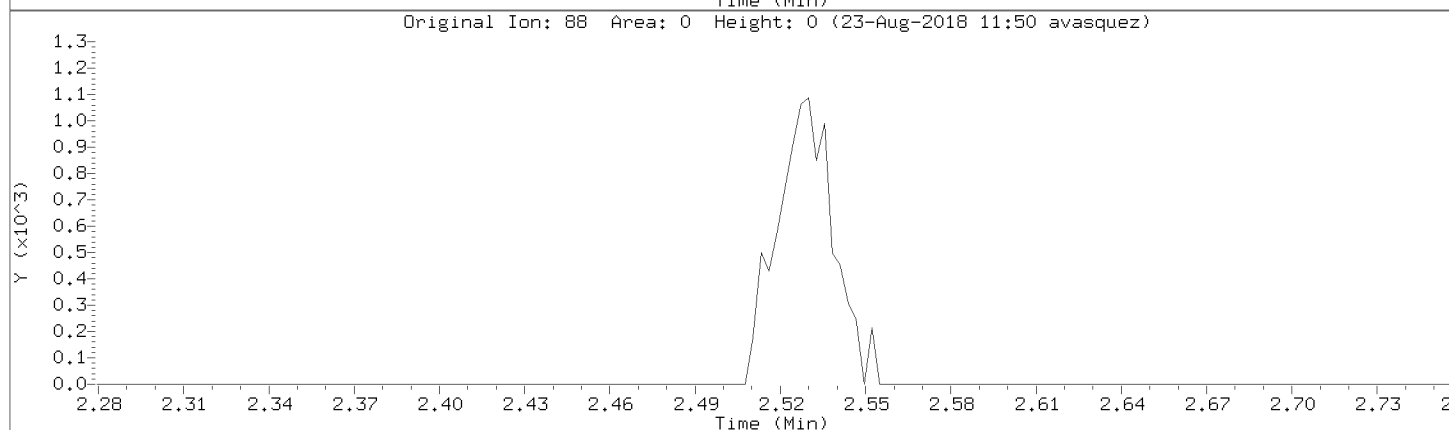
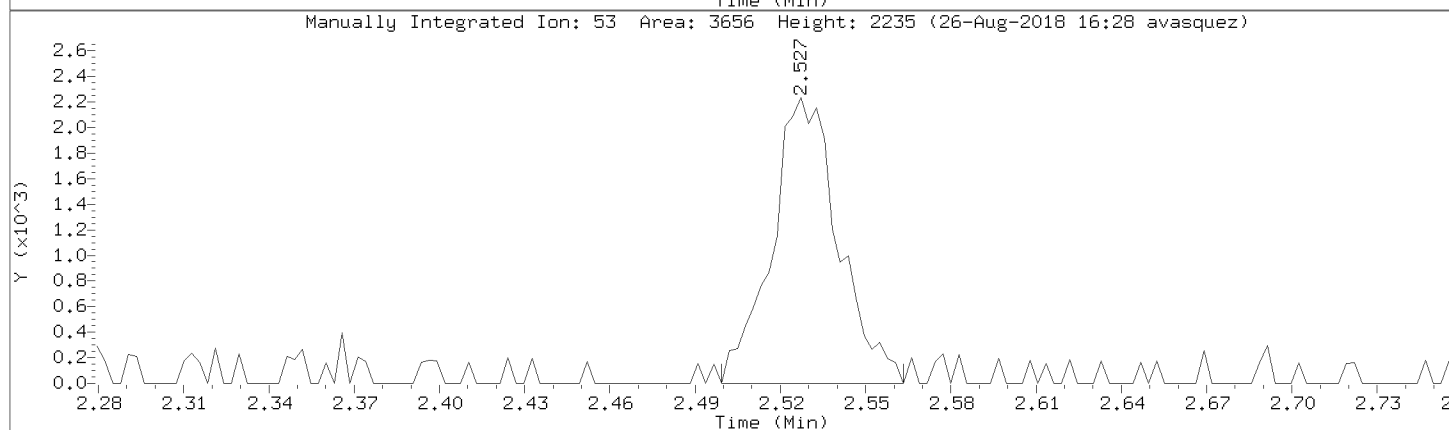
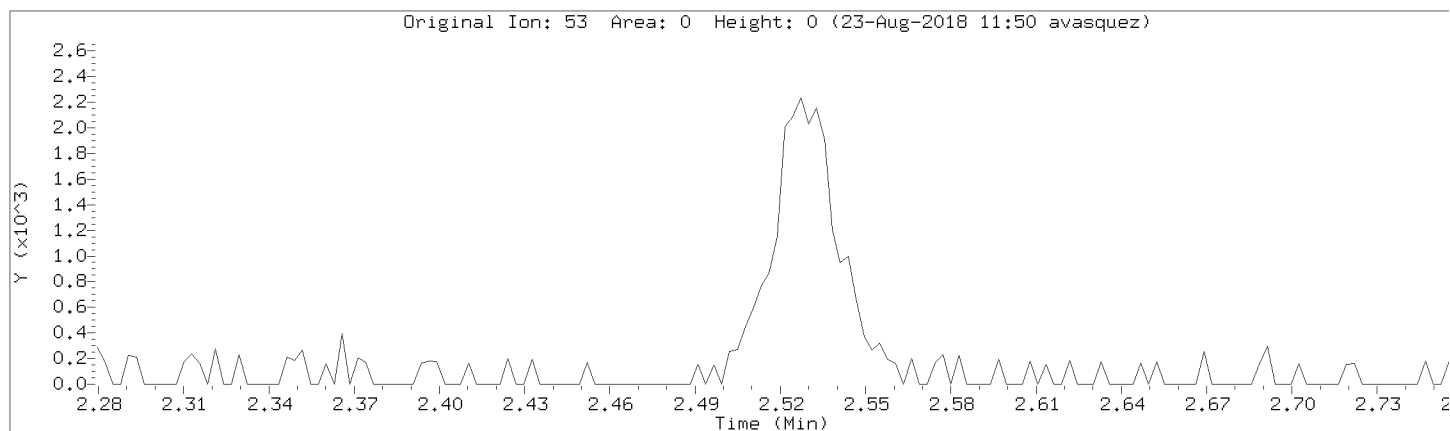
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Lab Sample ID: 8260-CAL2

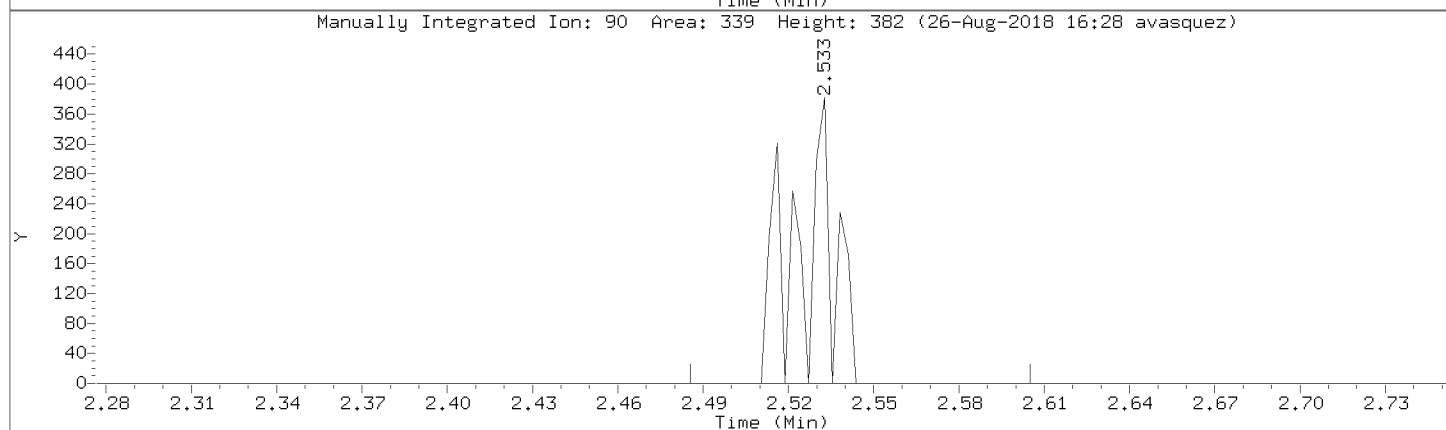
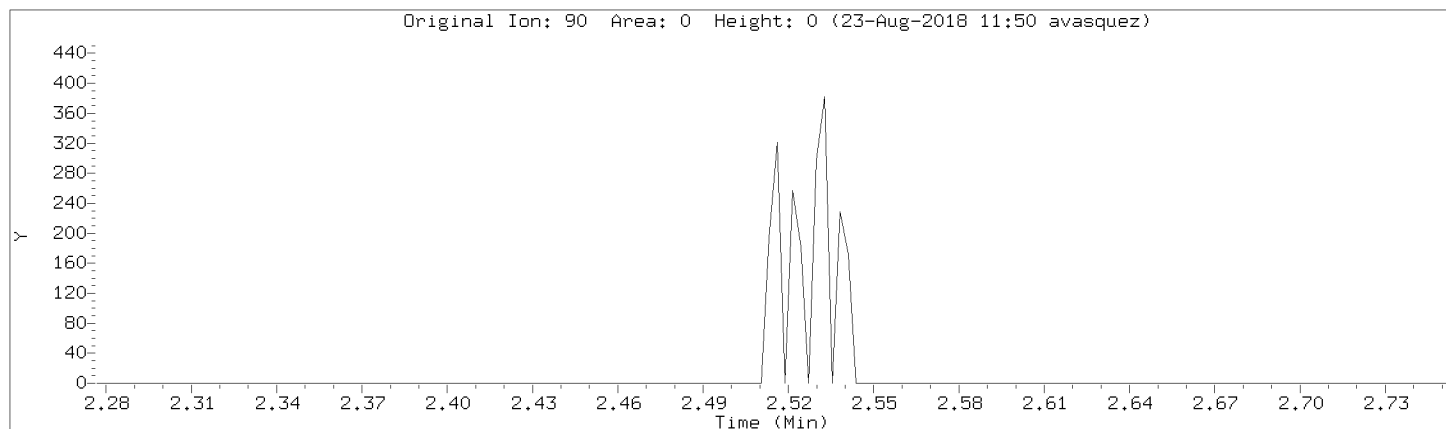
Compound: Chloroprene

Review Code: NI

CAS Number: 126-99-8

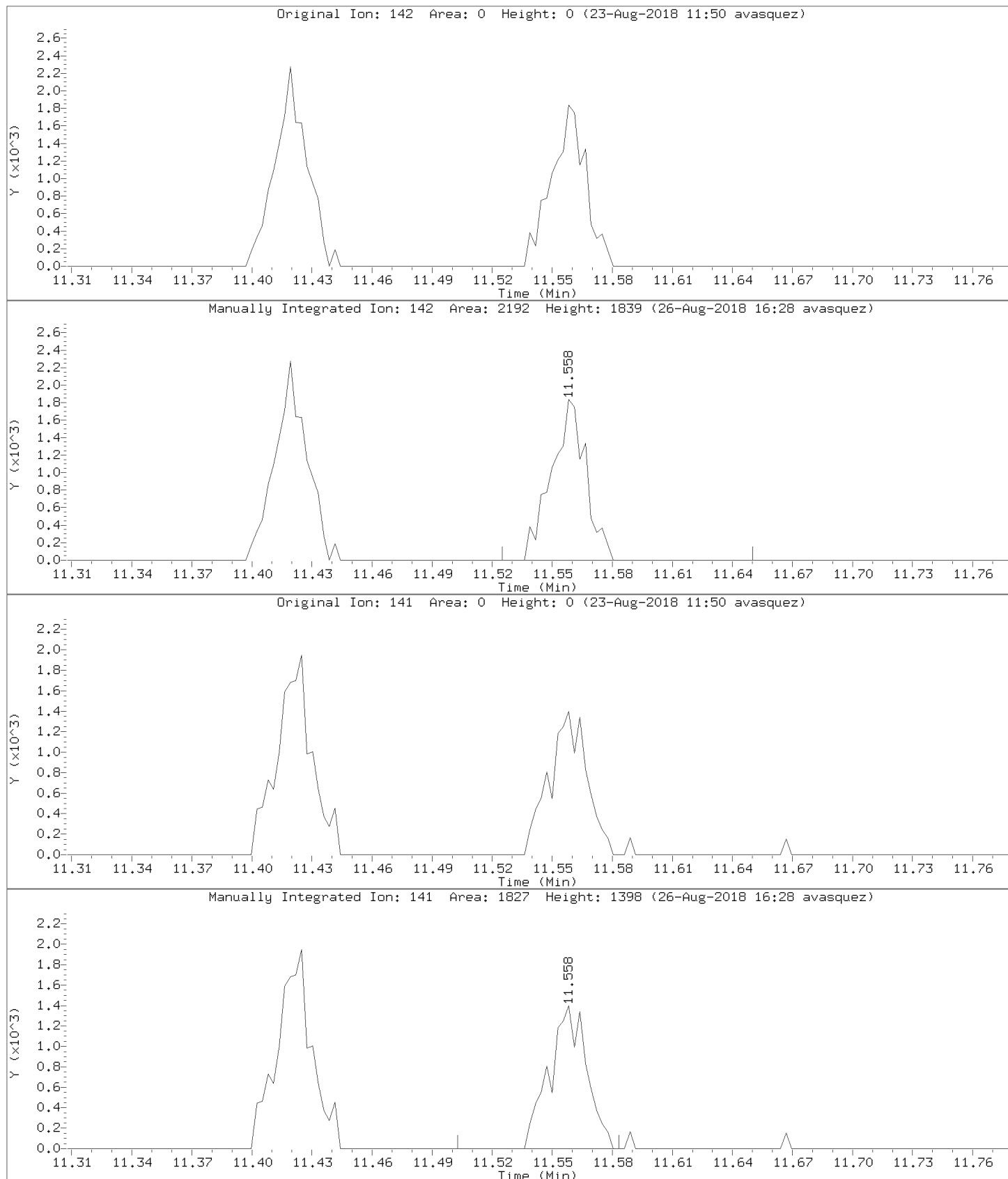


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Injection Date: 22-AUG-2018 14:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

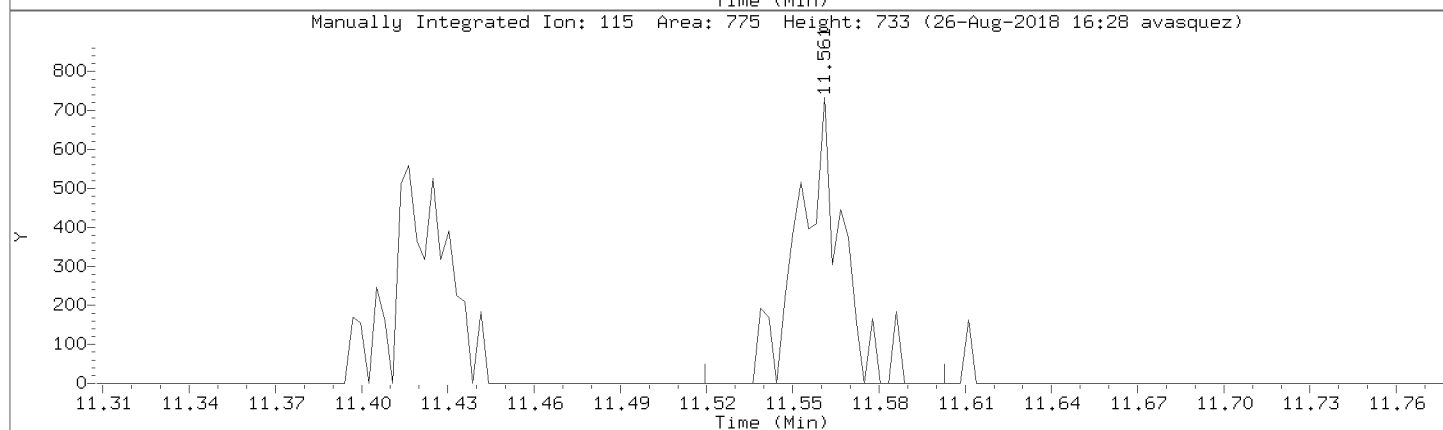
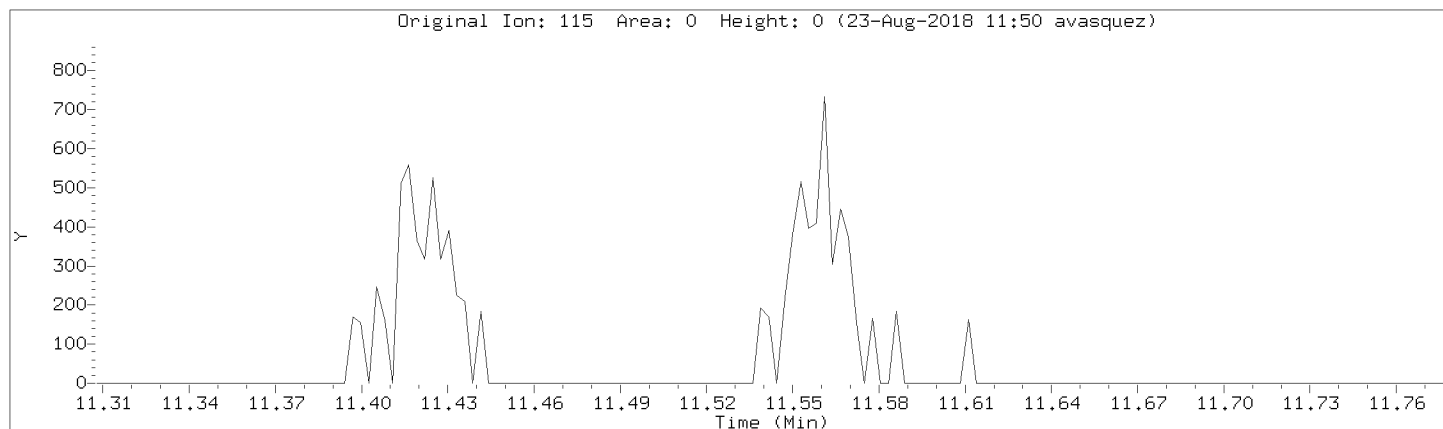


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2

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

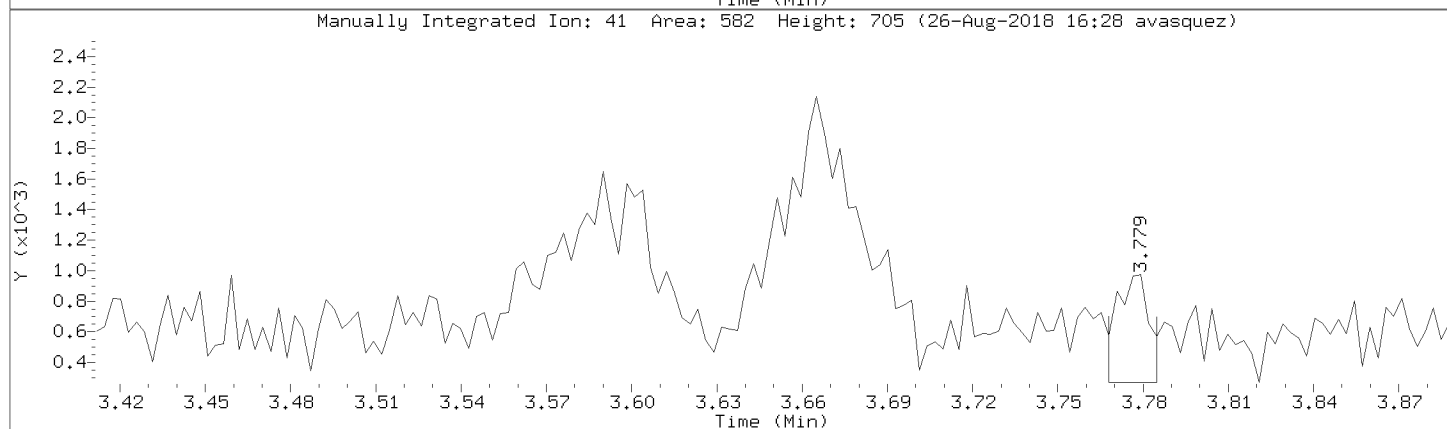
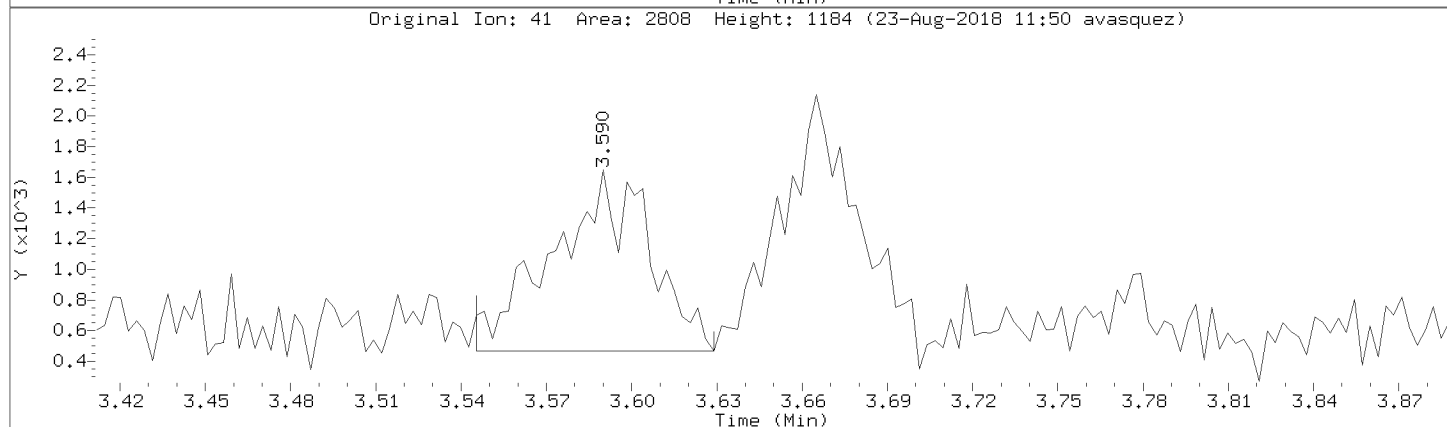
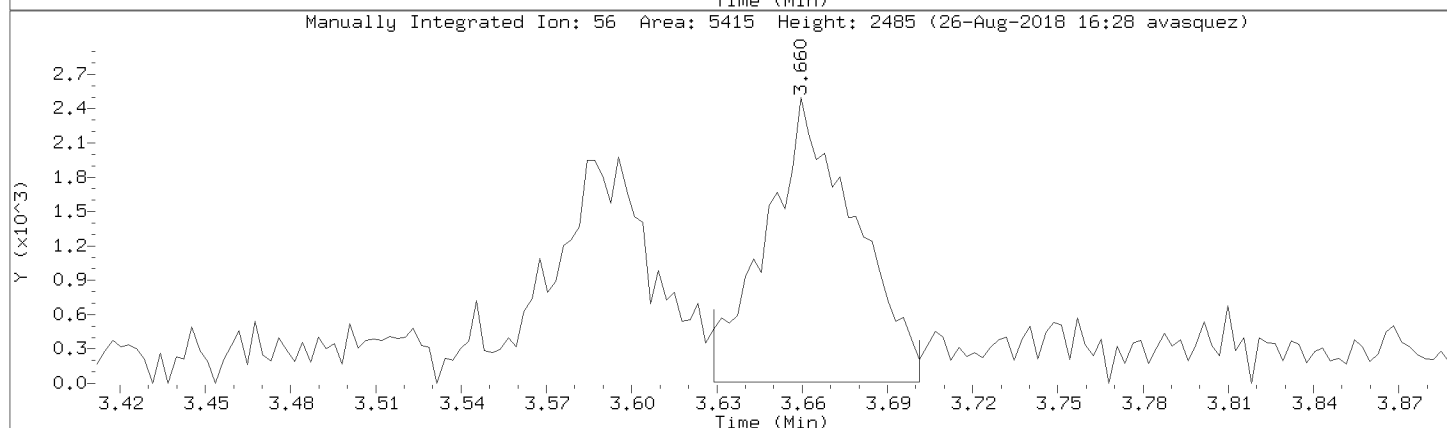
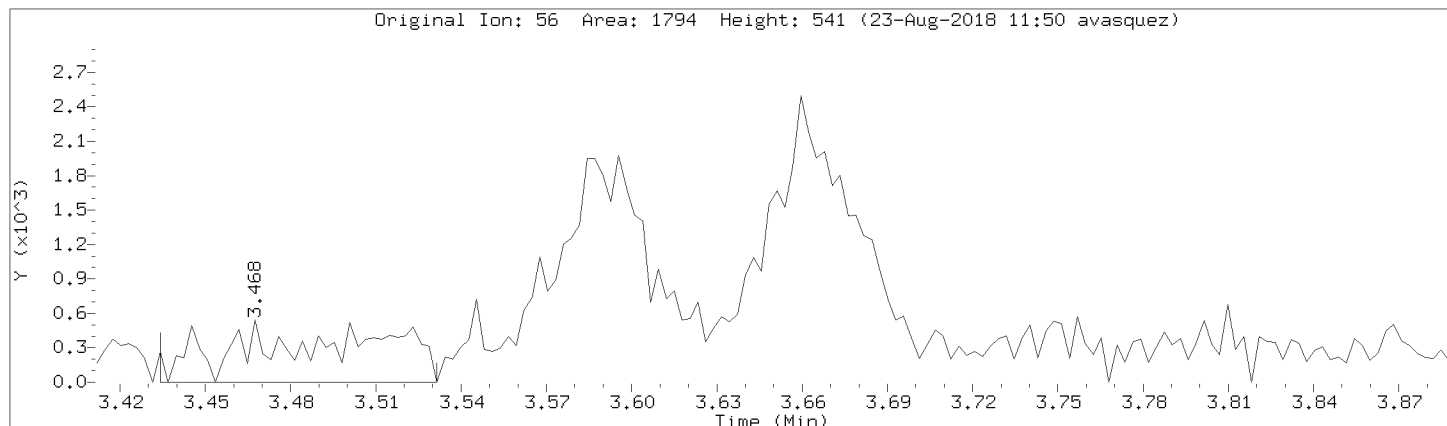


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2



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

Compound: n-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

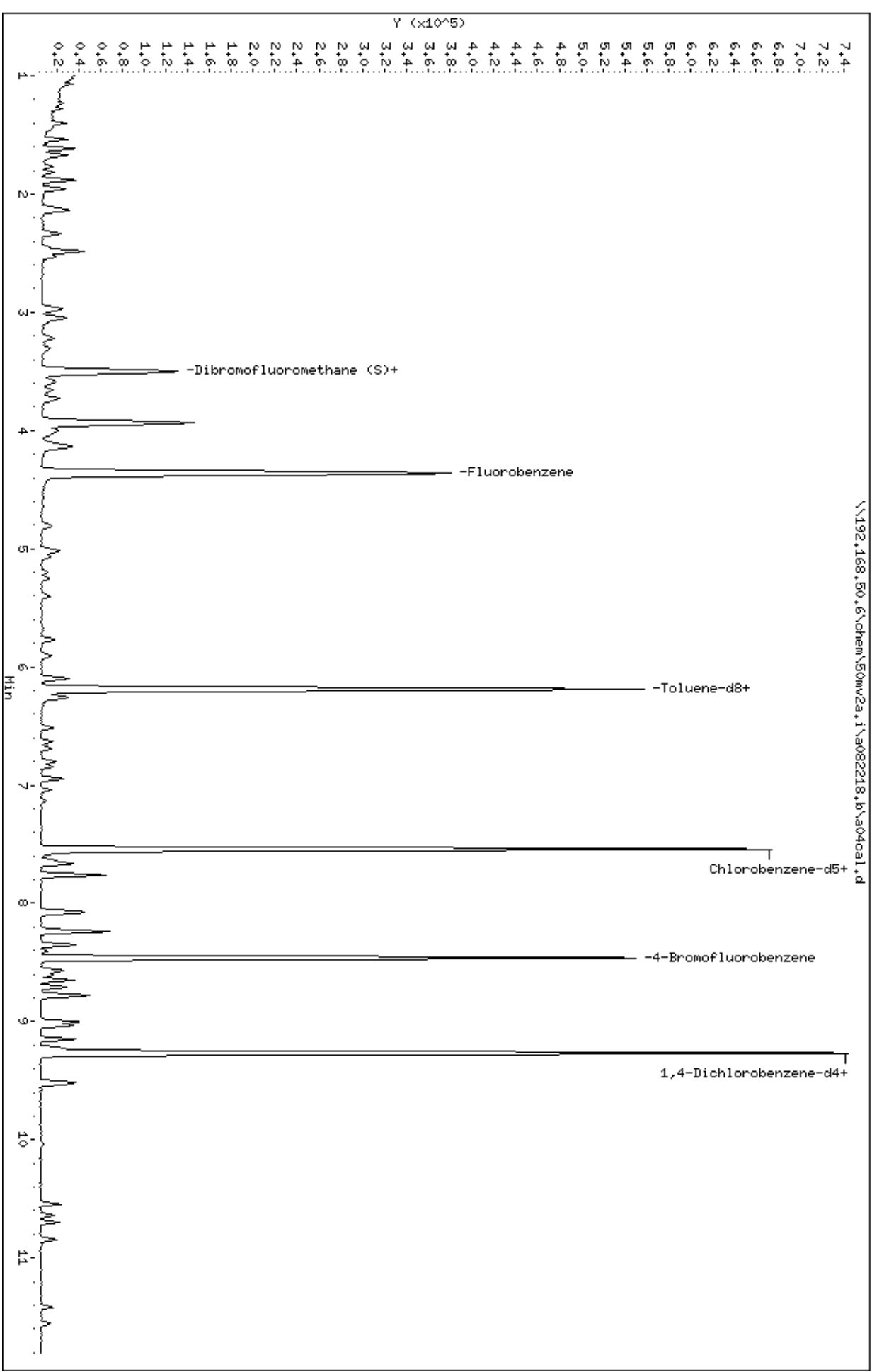
- T - Target compound detected outside RT window.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

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

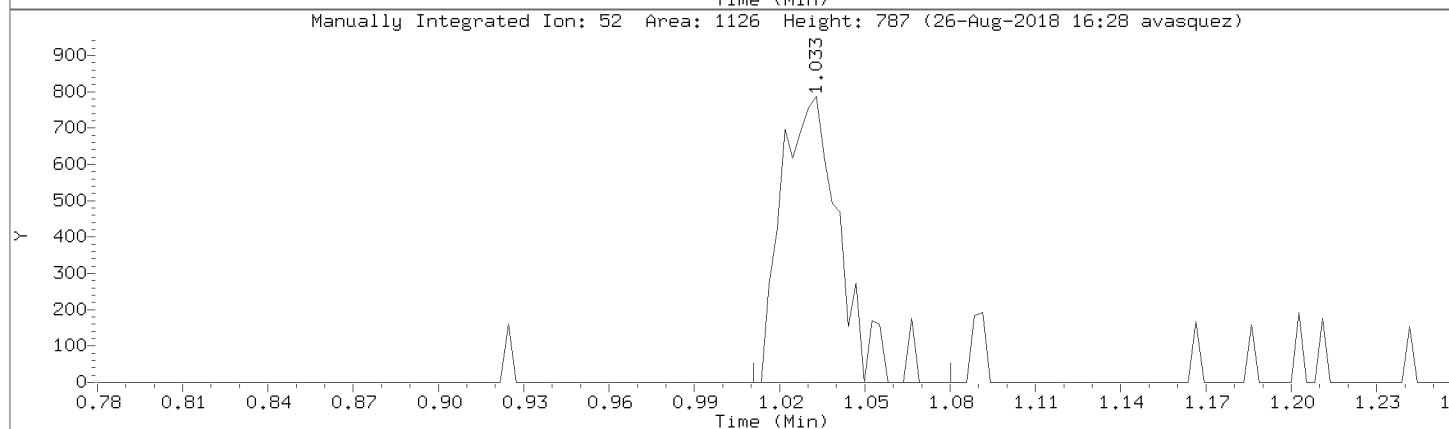
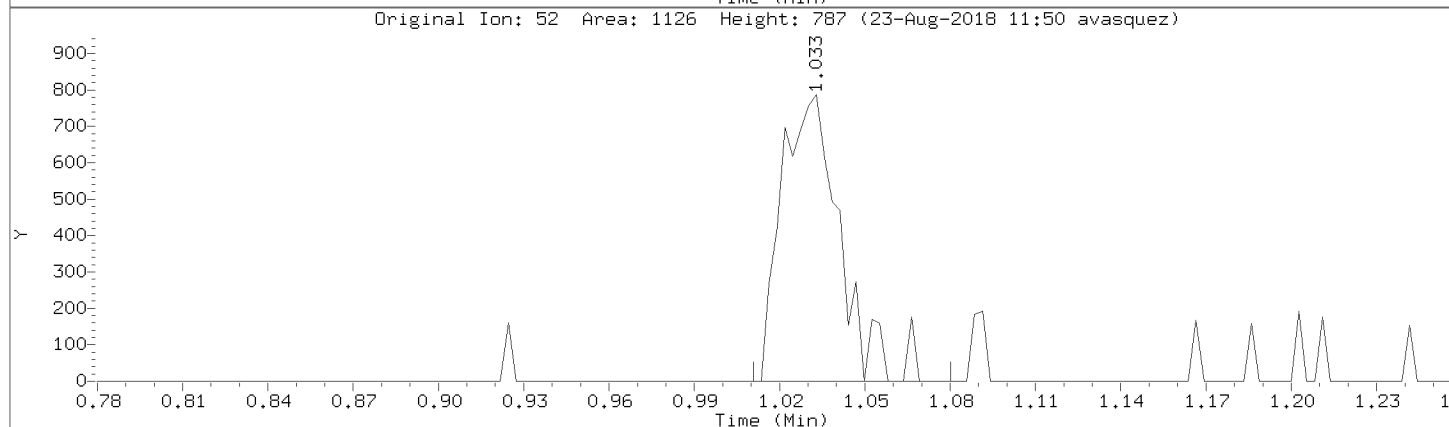
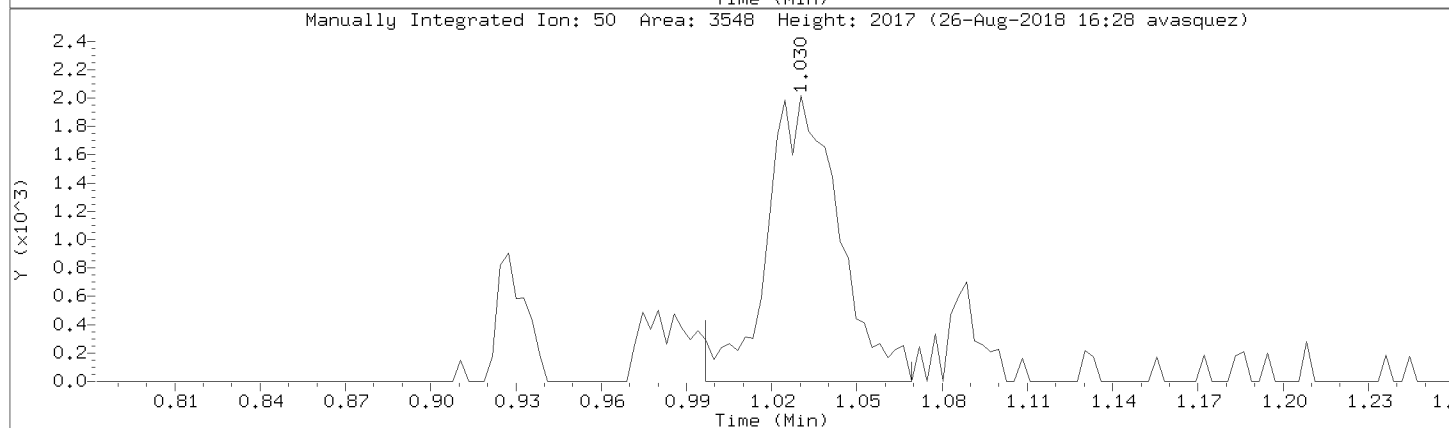
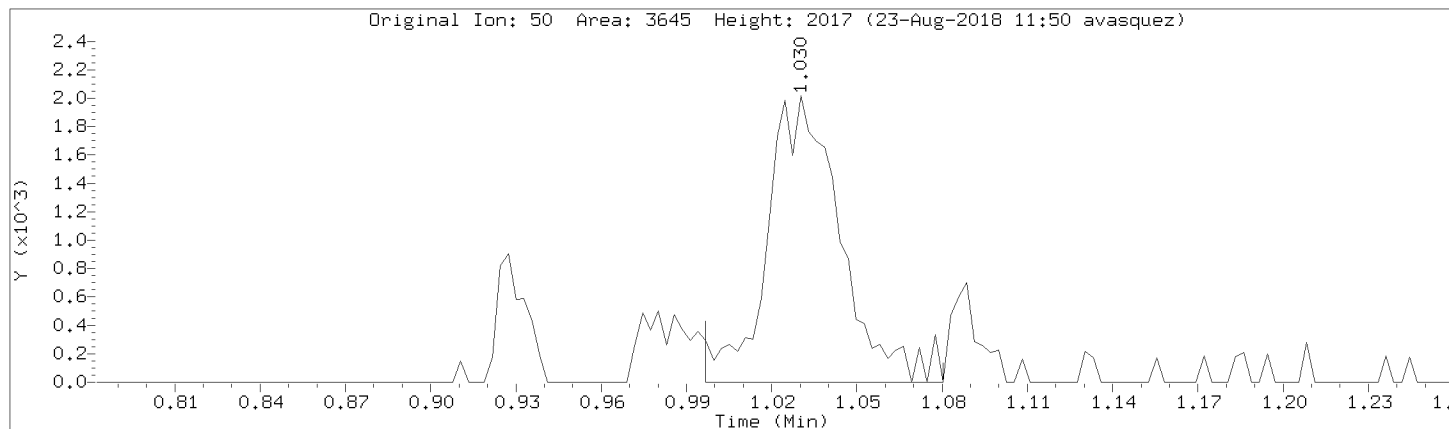
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: Chloromethane

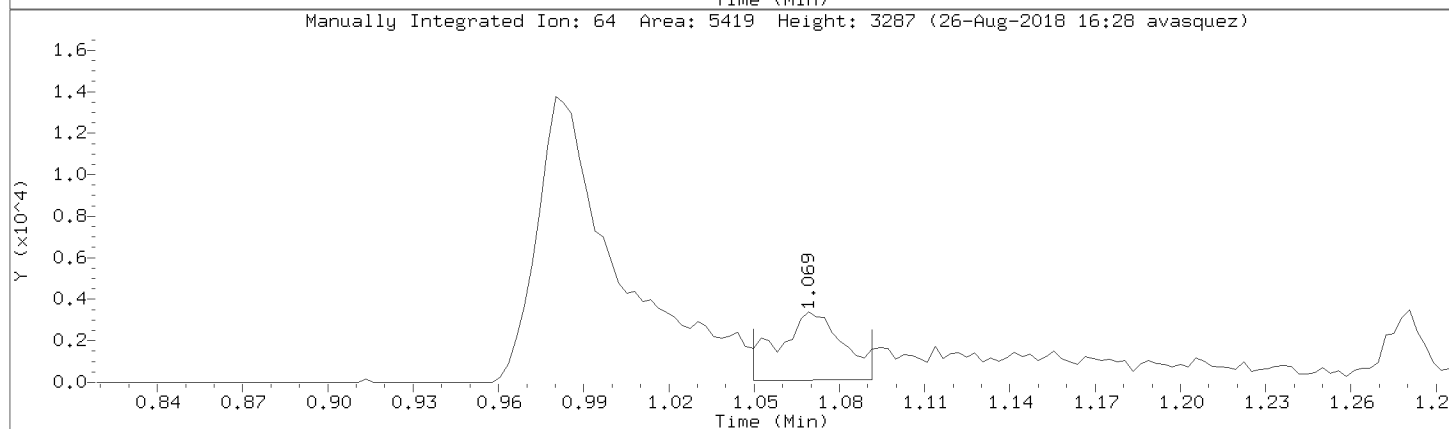
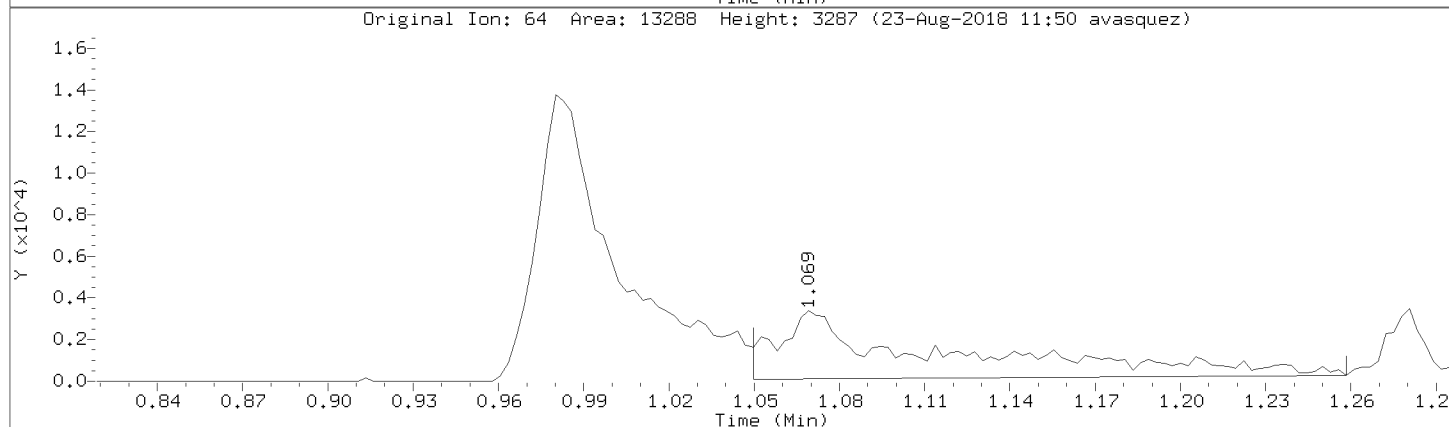
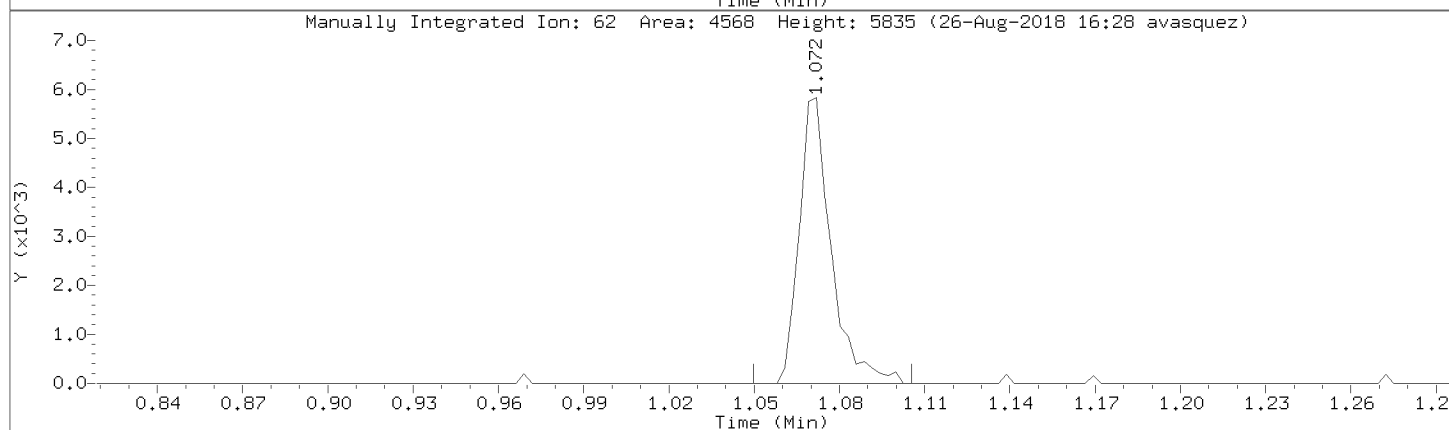
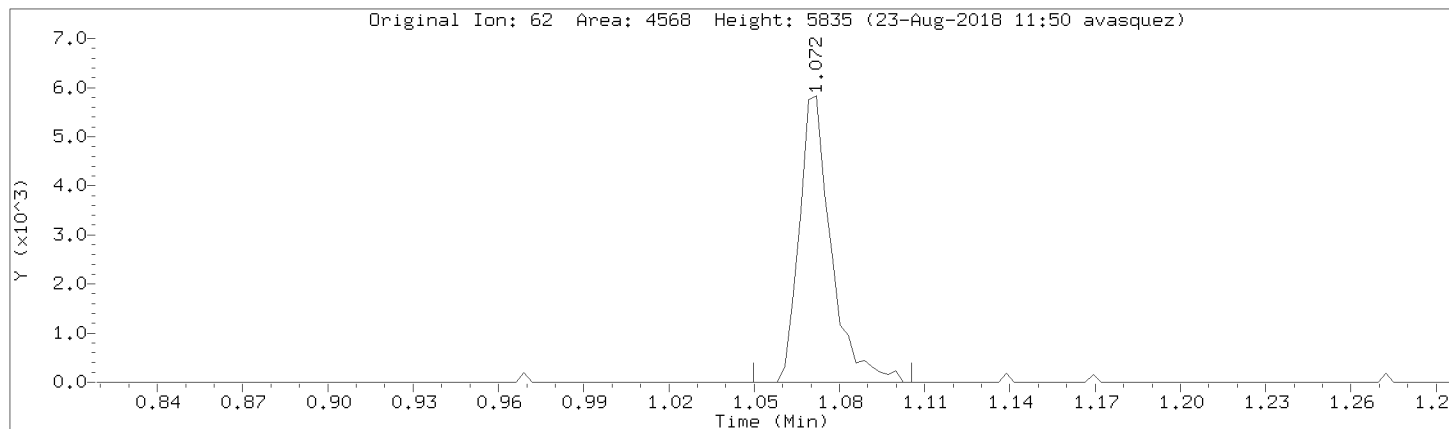
Review Code: GT

CAS Number: 74-87-3



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

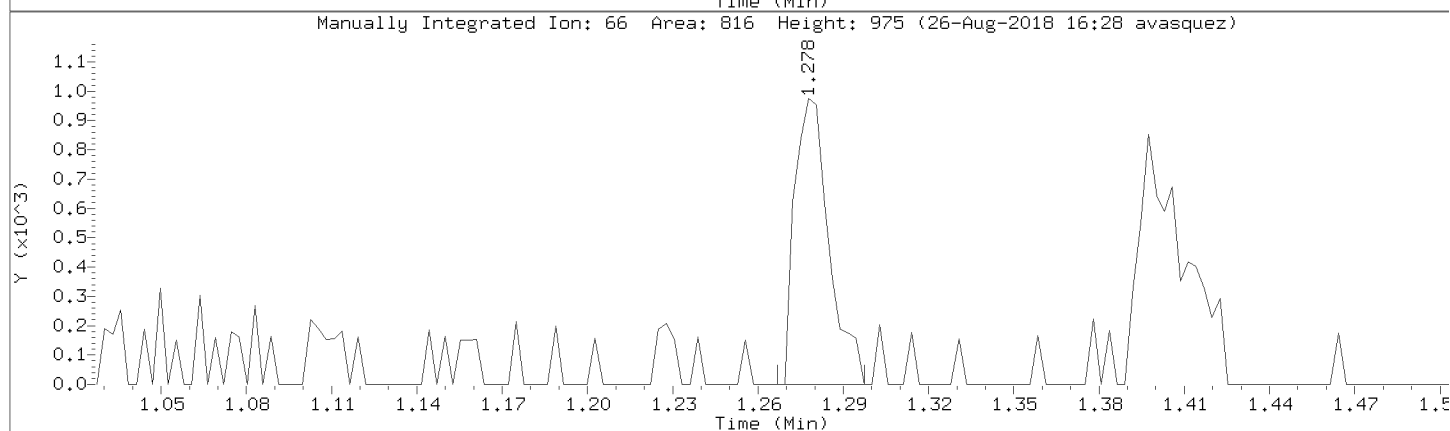
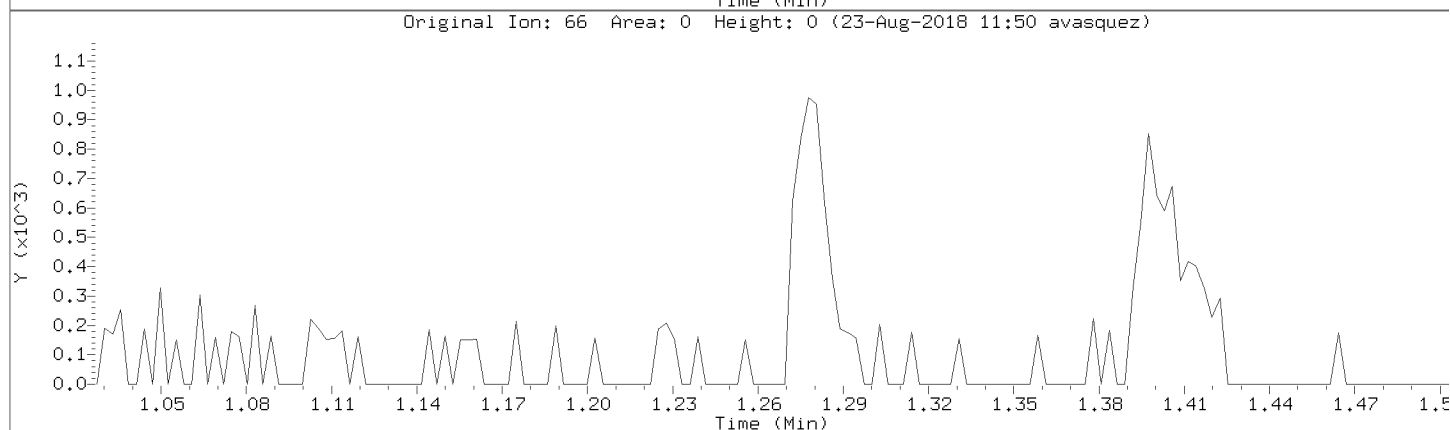
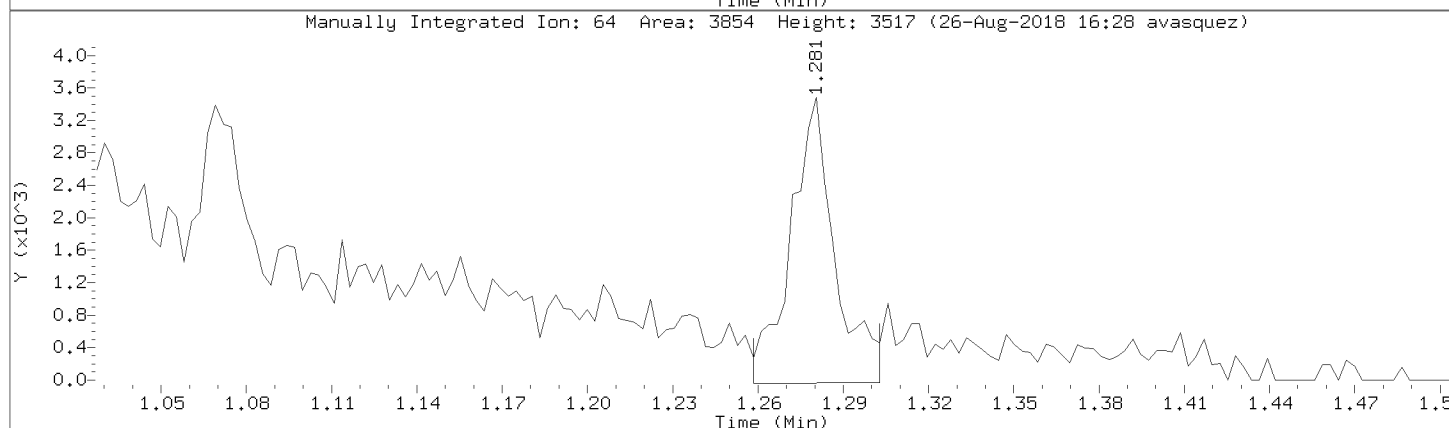
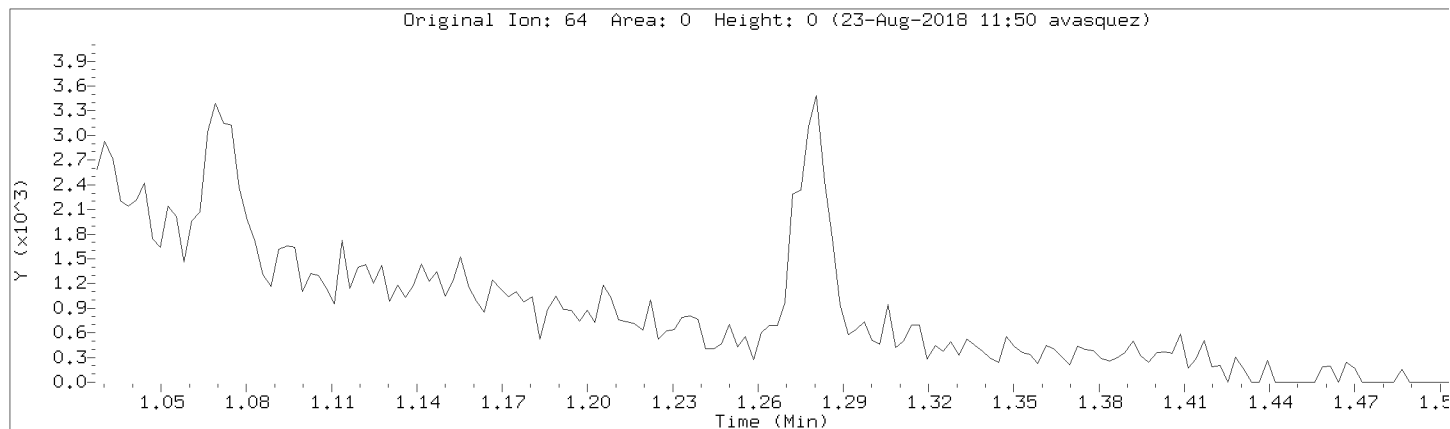
Instrument: 50mv2a.i

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

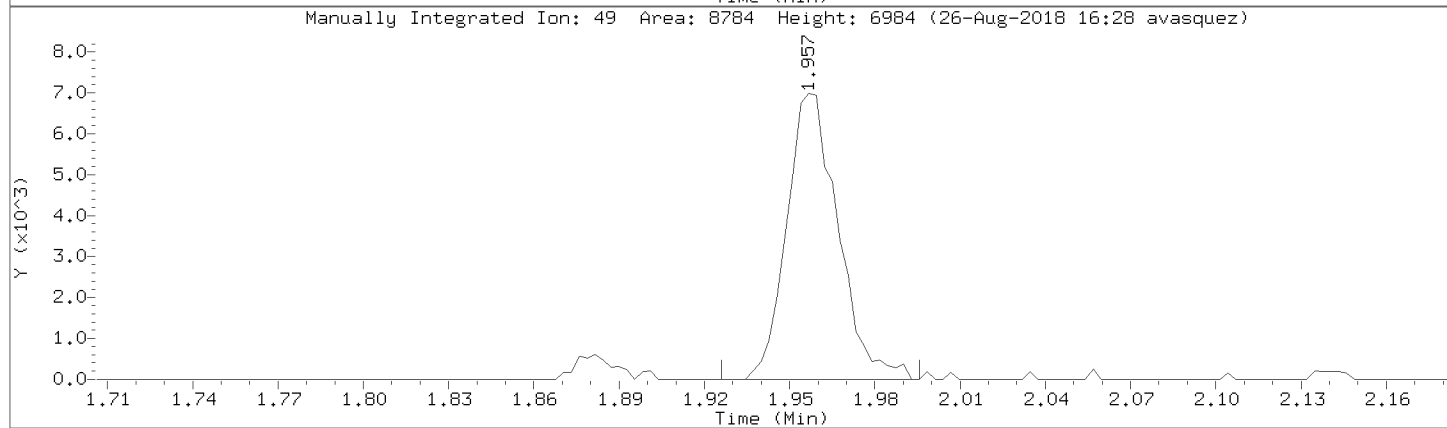
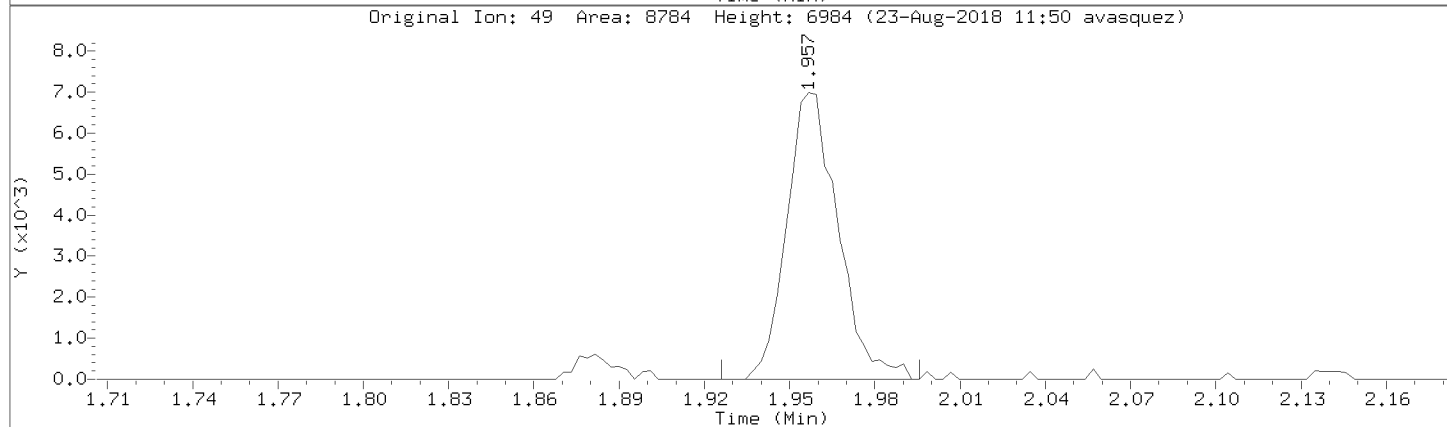
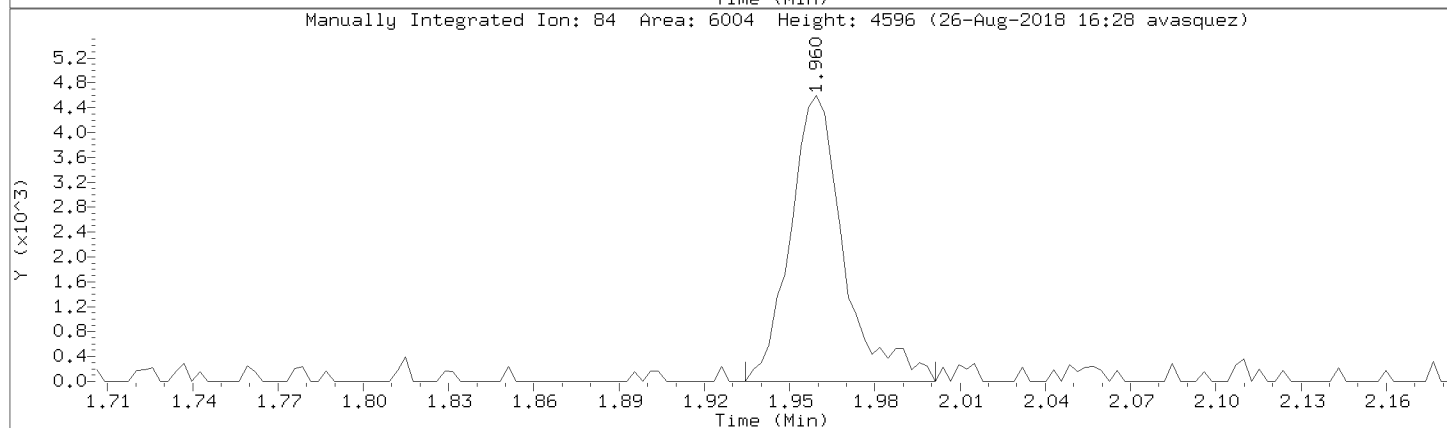
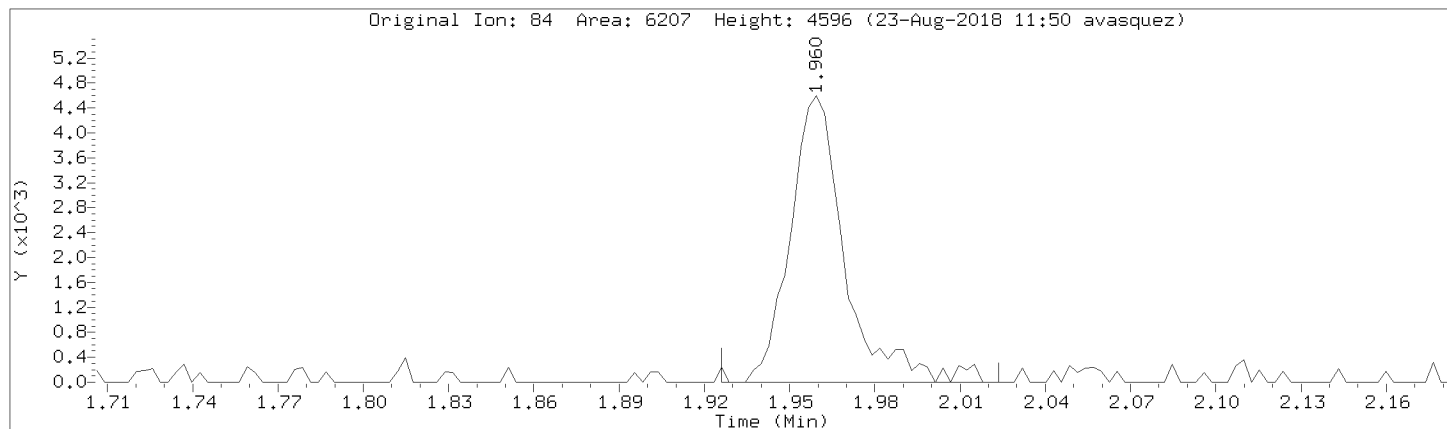
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

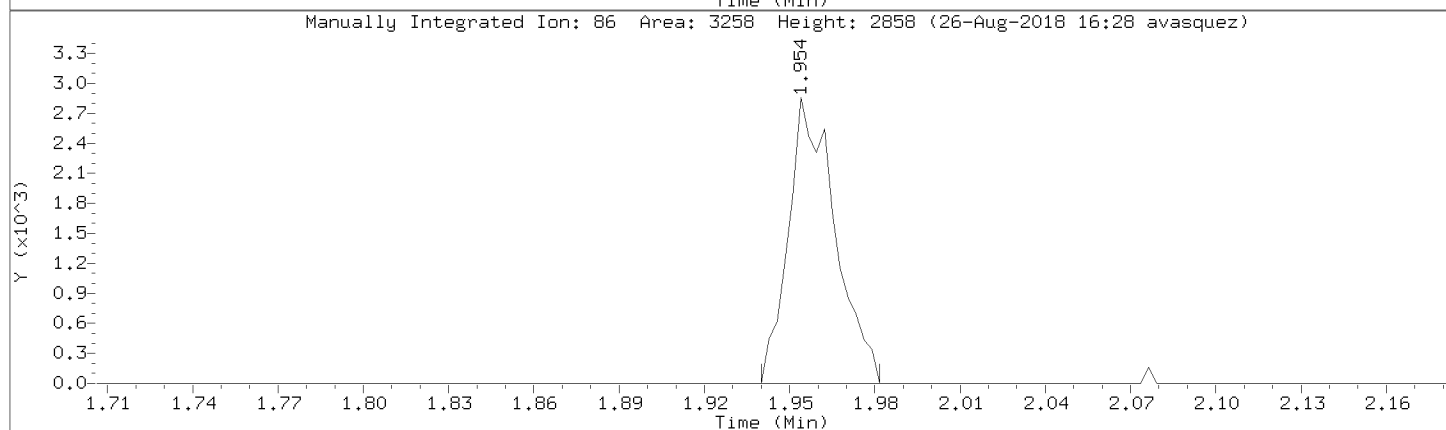
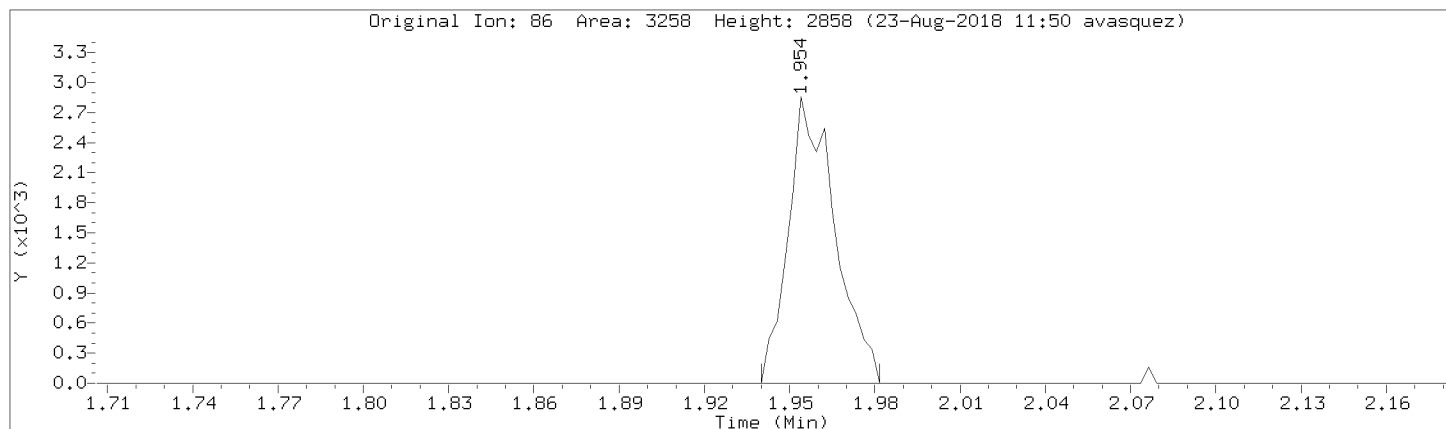
Compound: Methylene Chloride

Review Code: LT

CAS Number: 75-09-2



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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

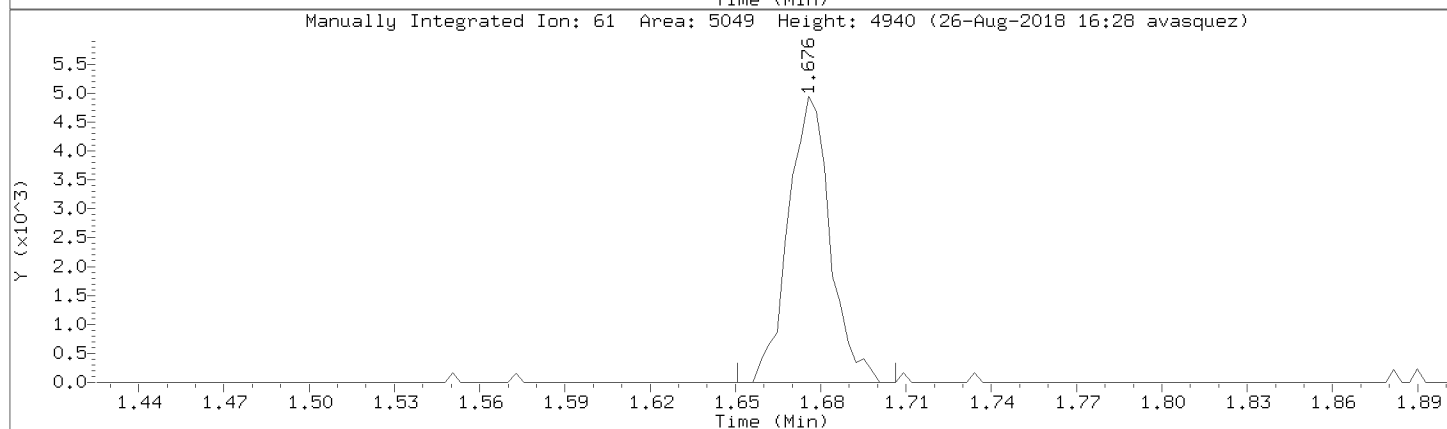
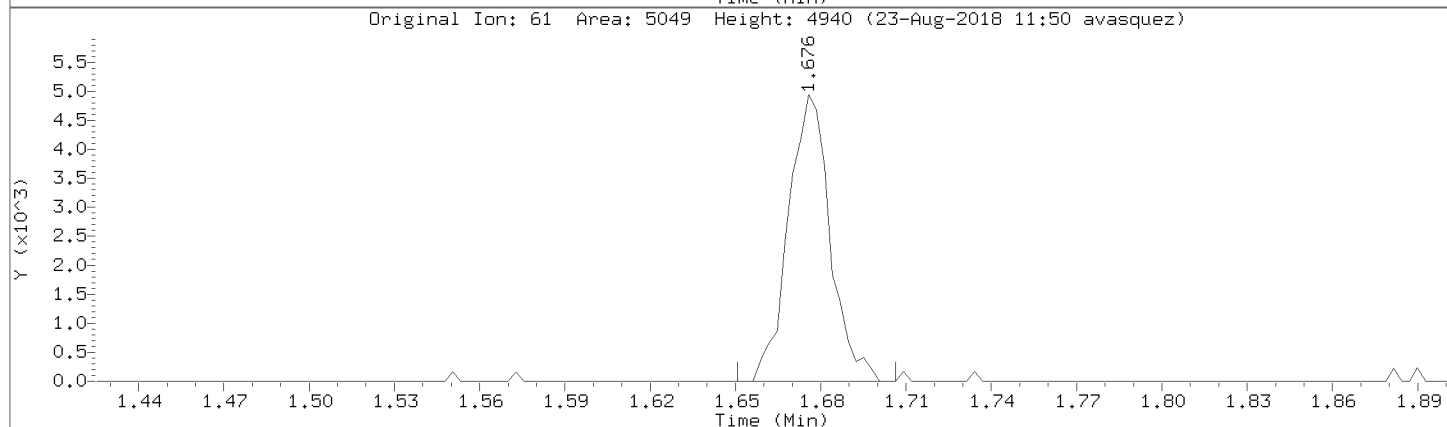
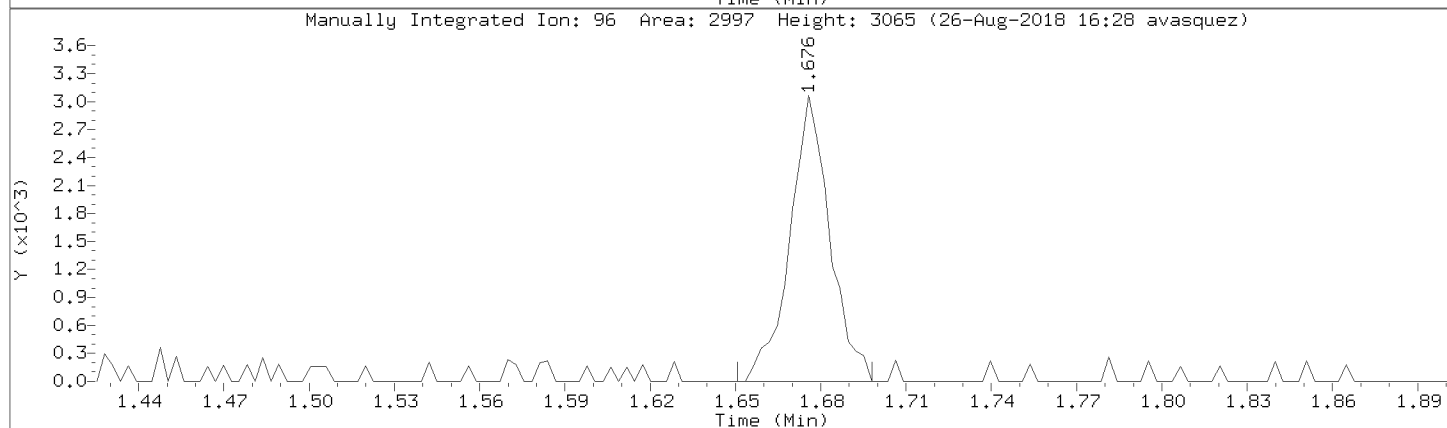
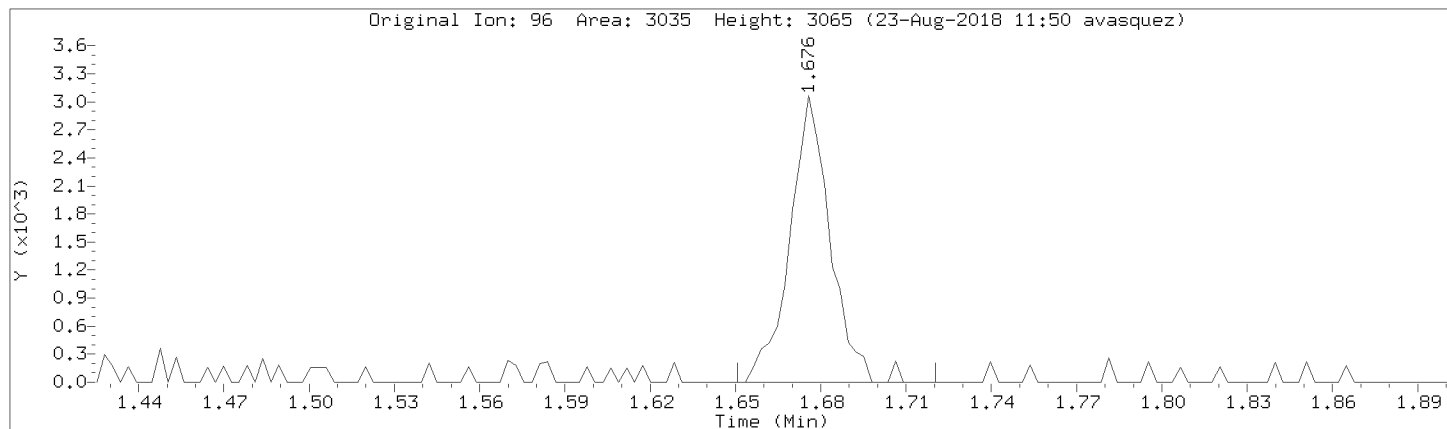
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: 1,1-Dichloroethene

Review Code: GT

CAS Number: 75-35-4

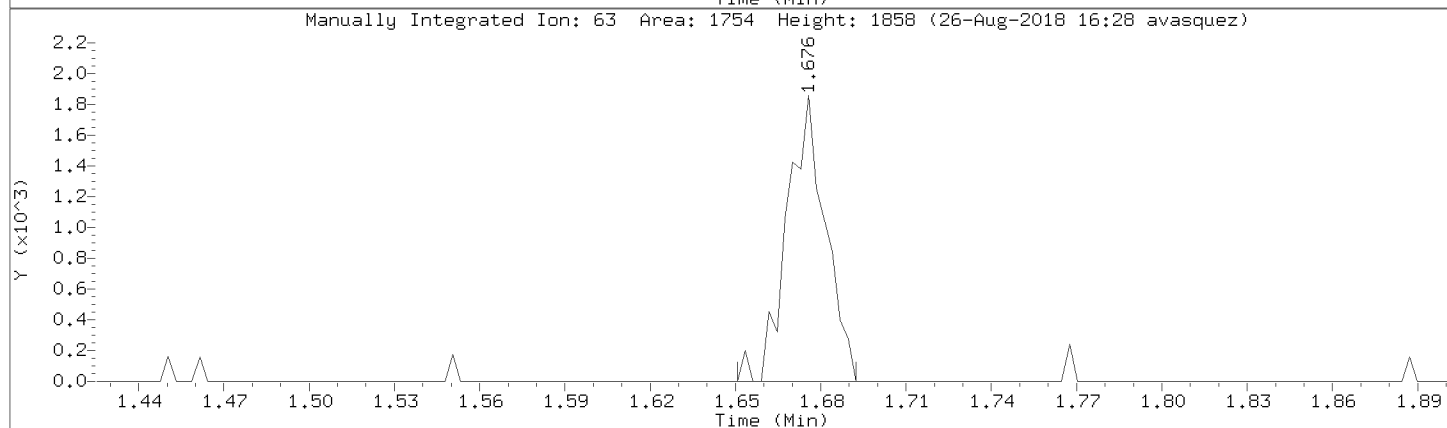
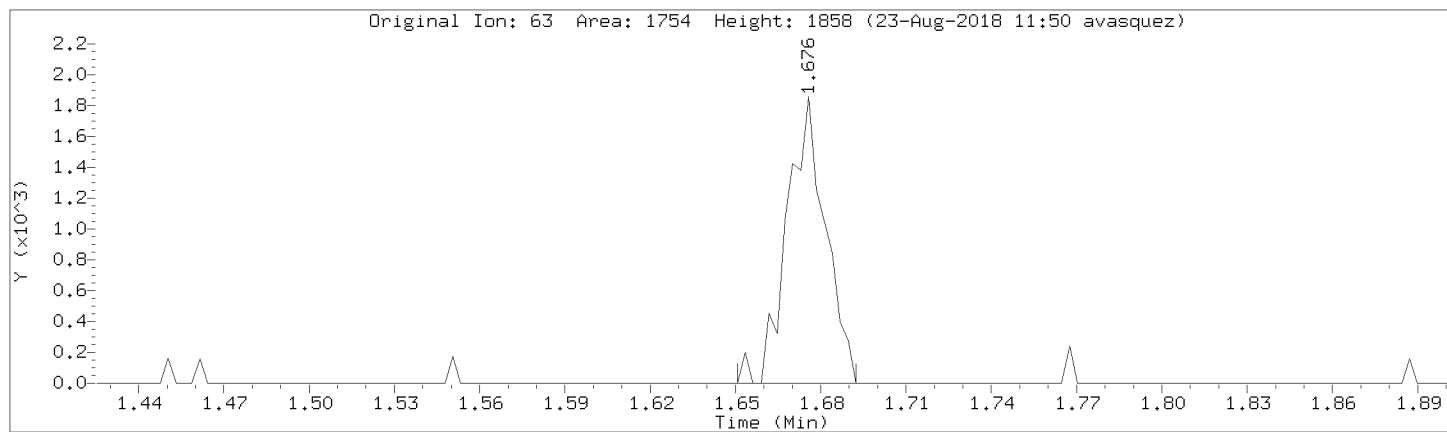


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Injection Date: 22-AUG-2018 15:24

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3



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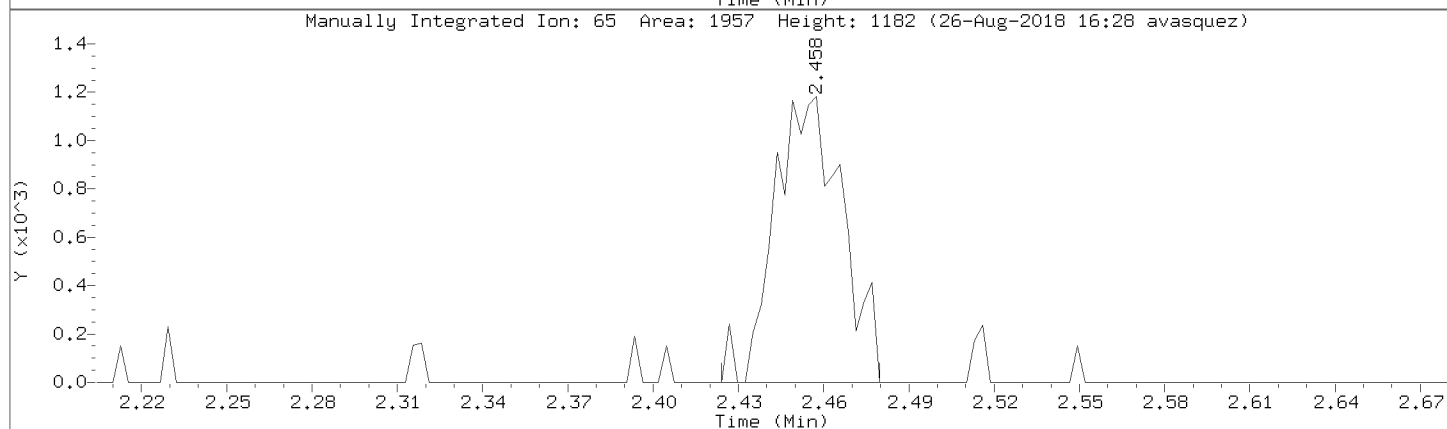
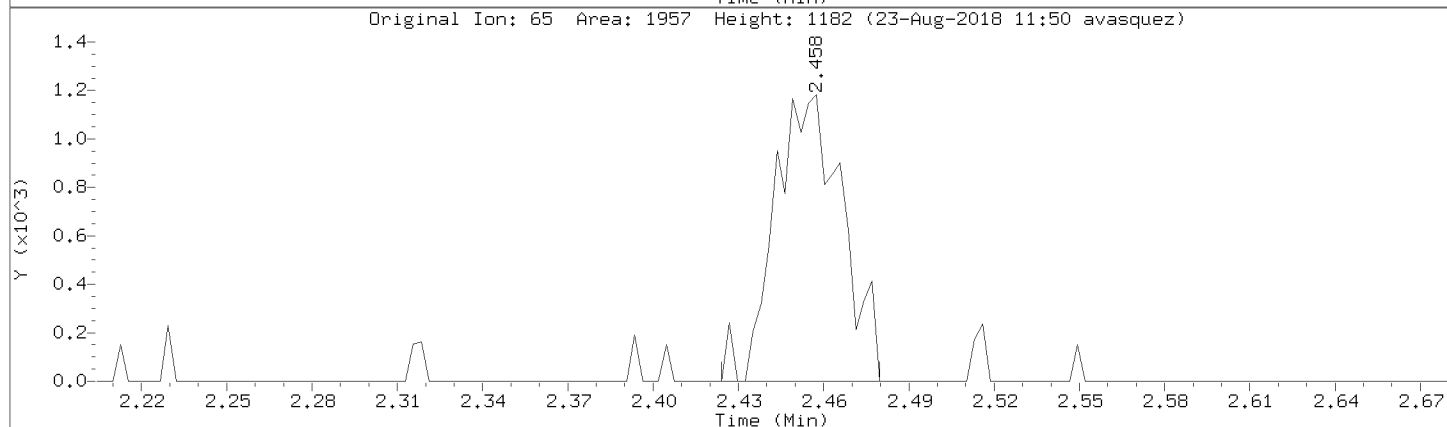
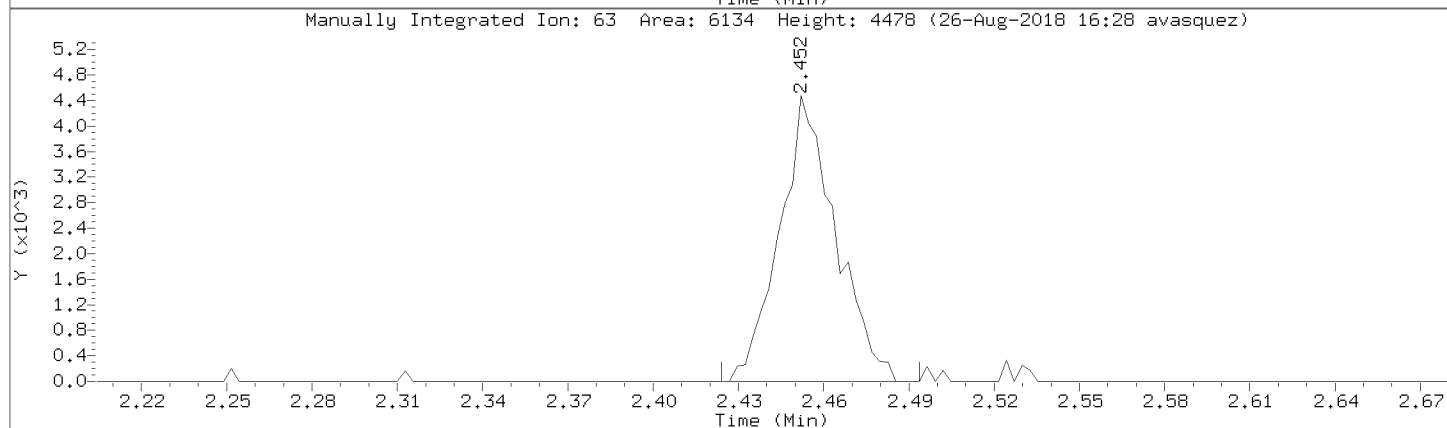
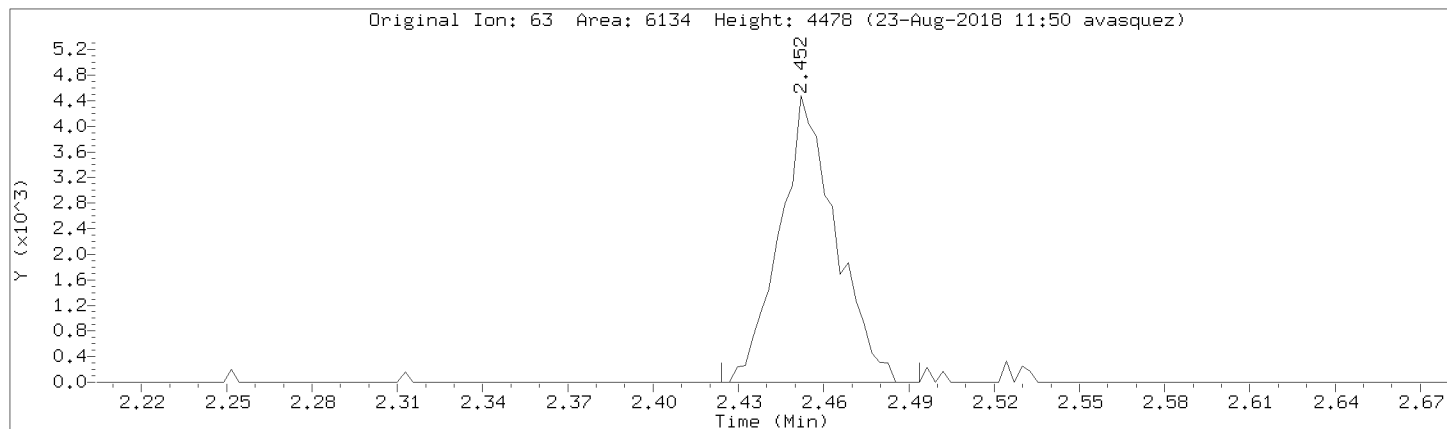
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

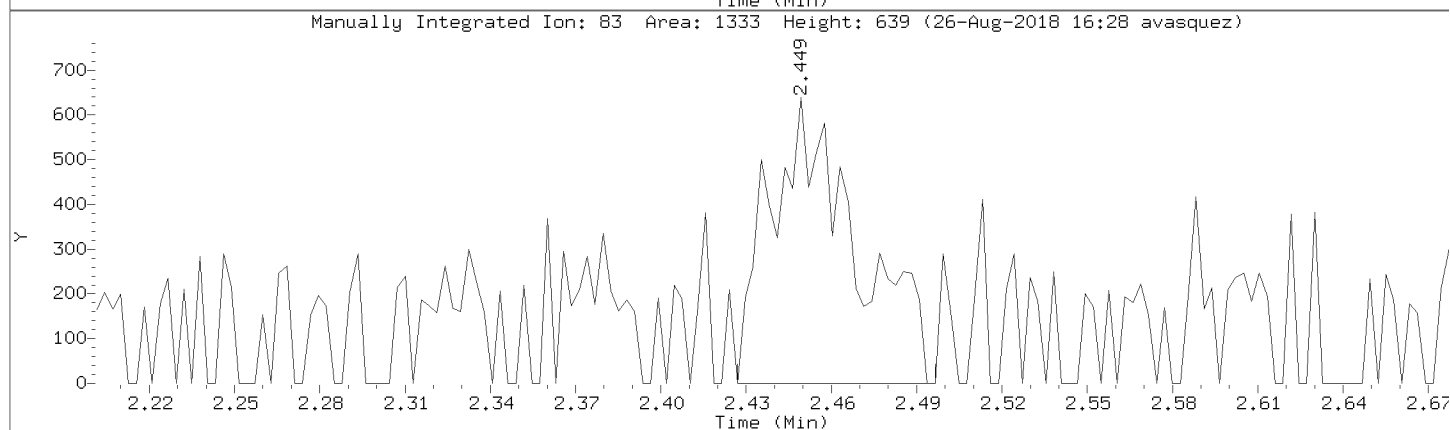
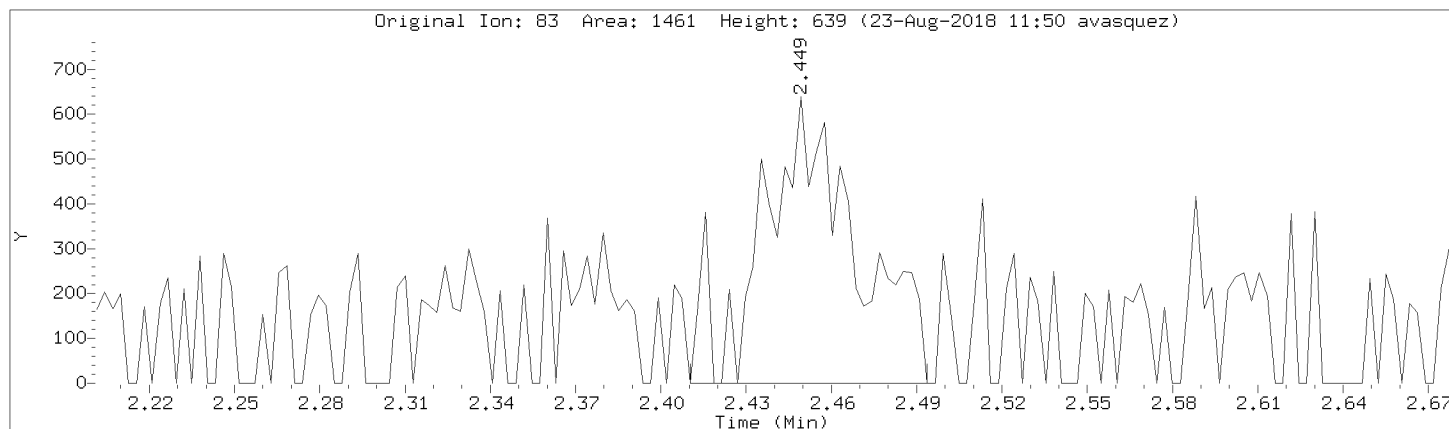
Compound: 1,1-Dichloroethane

Review Code:

CAS Number: 75-34-3



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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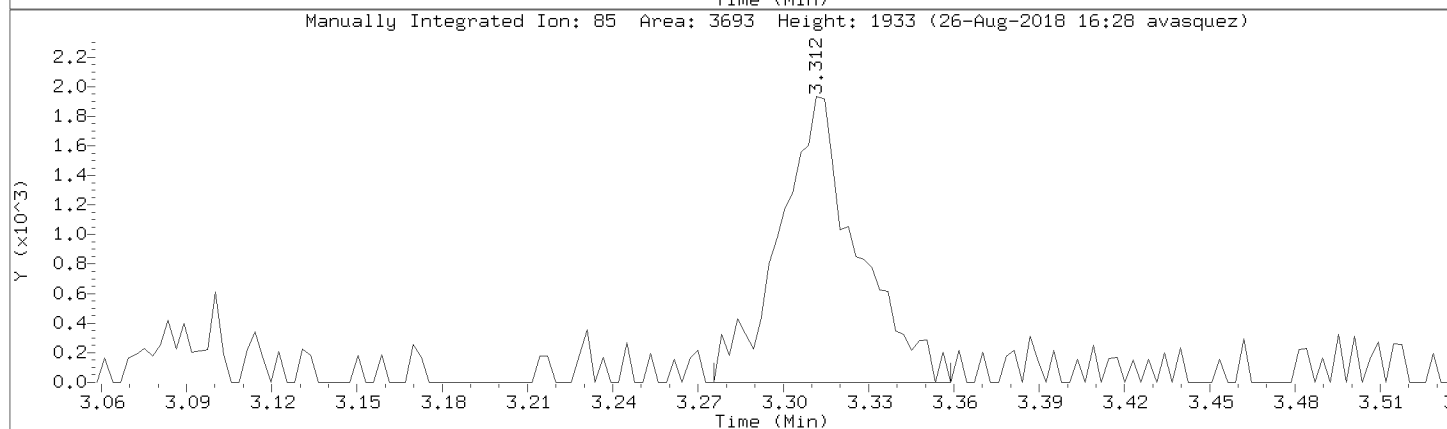
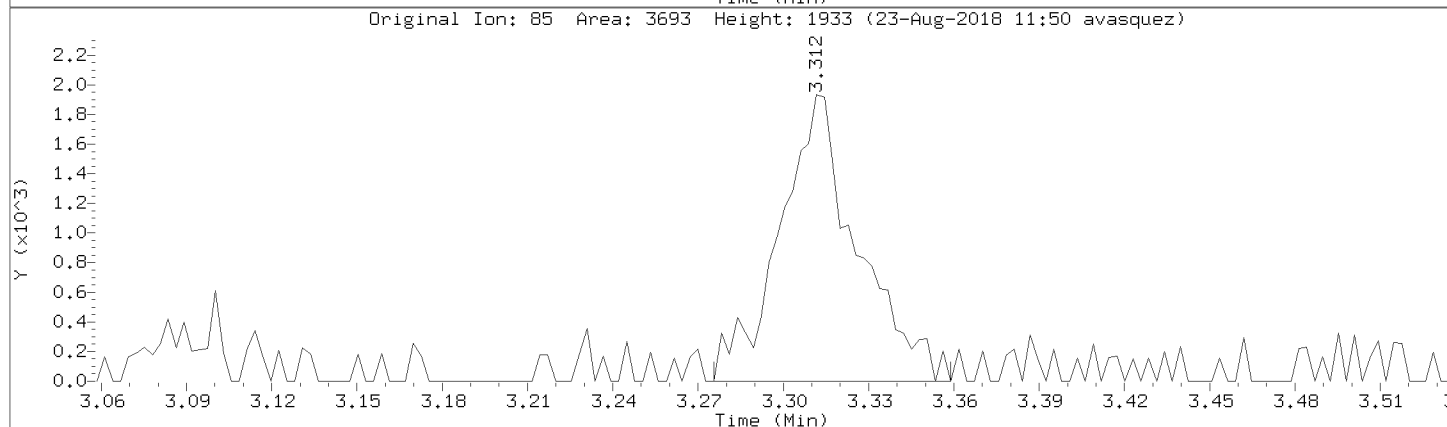
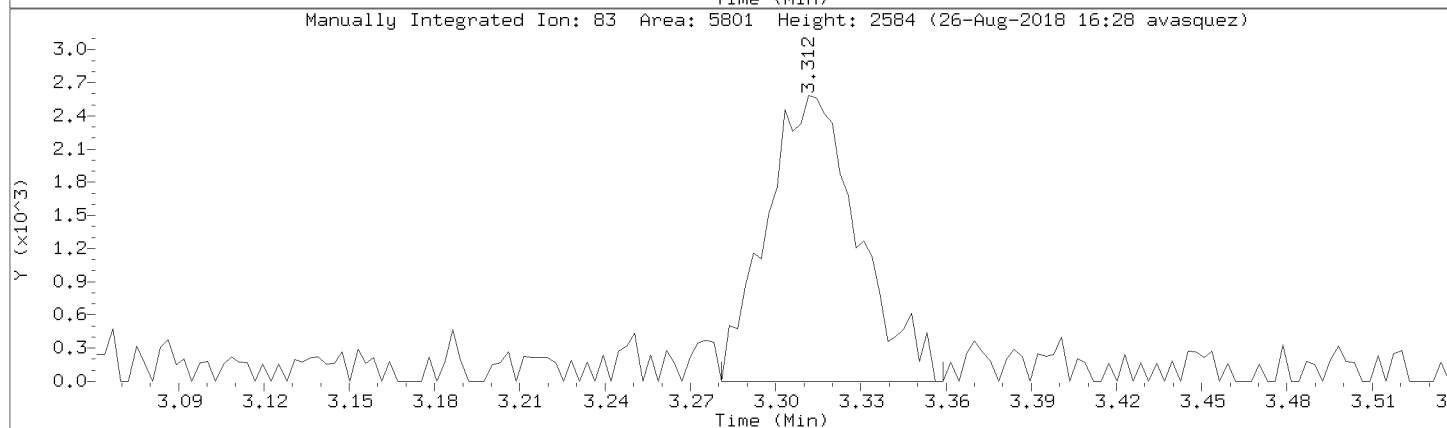
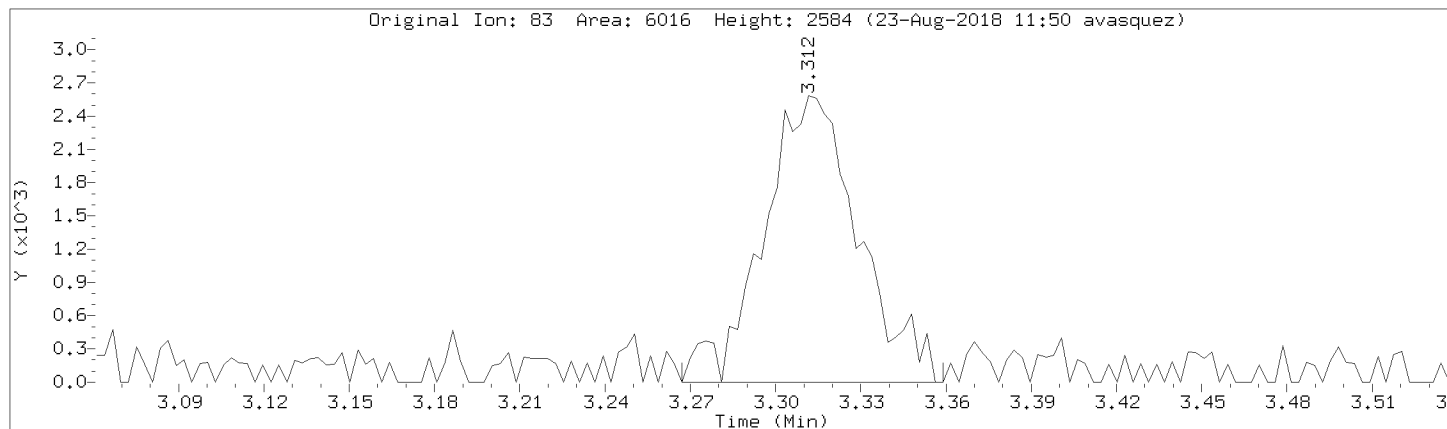
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Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

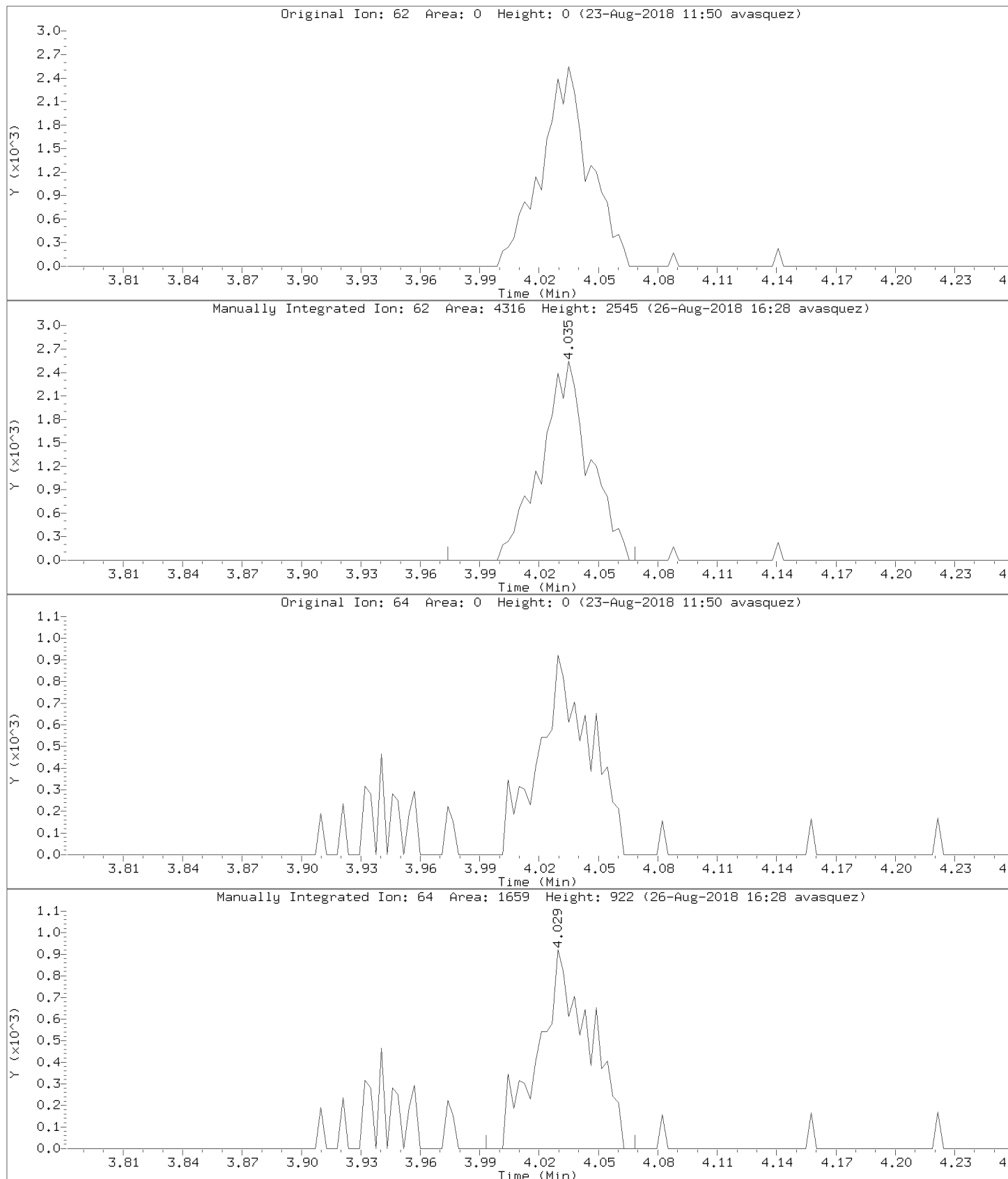
Compound: Chloroform Review Code: GT

CAS Number: 67-66-3

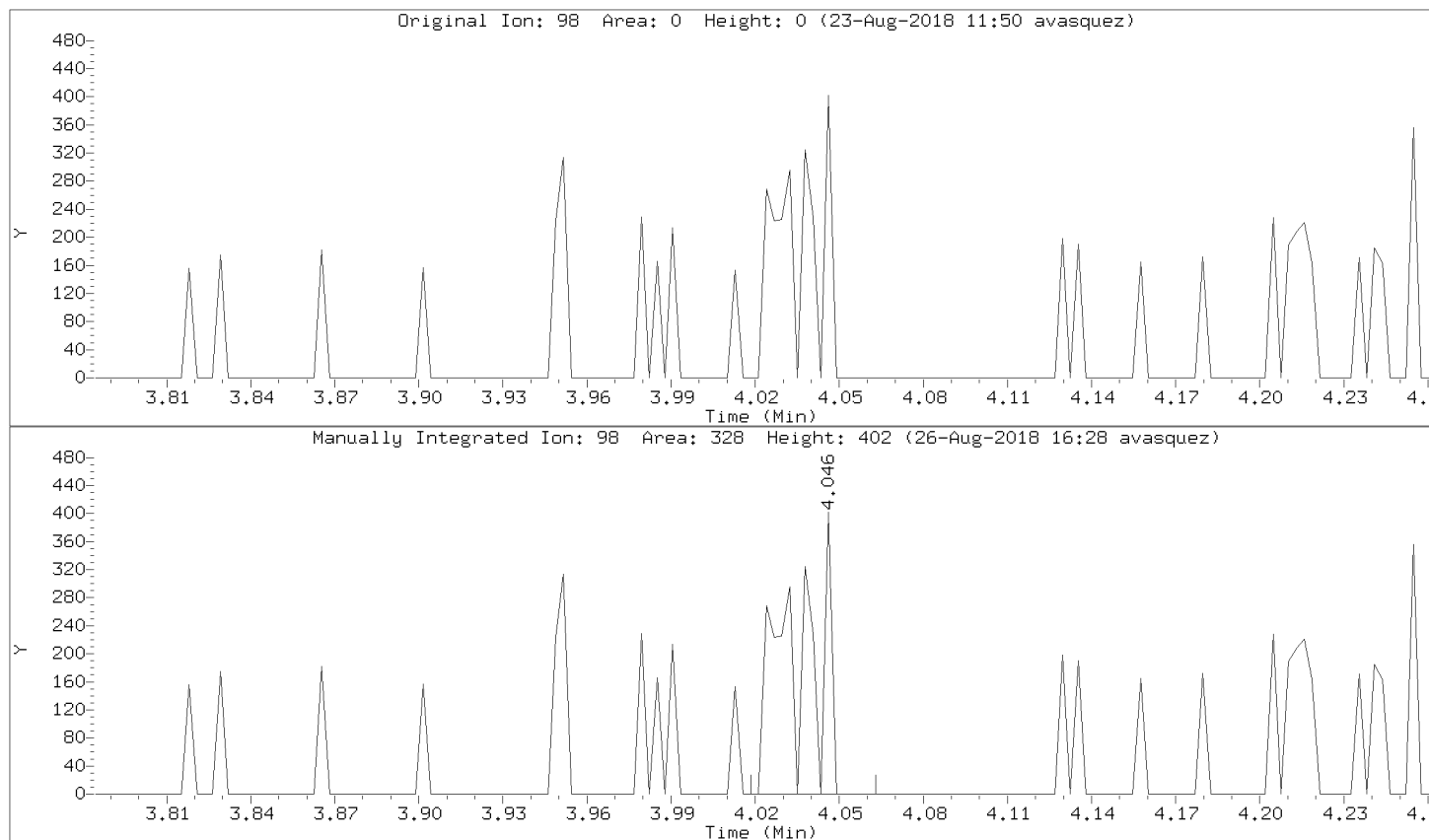


Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\04cal.d
Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

Compound: 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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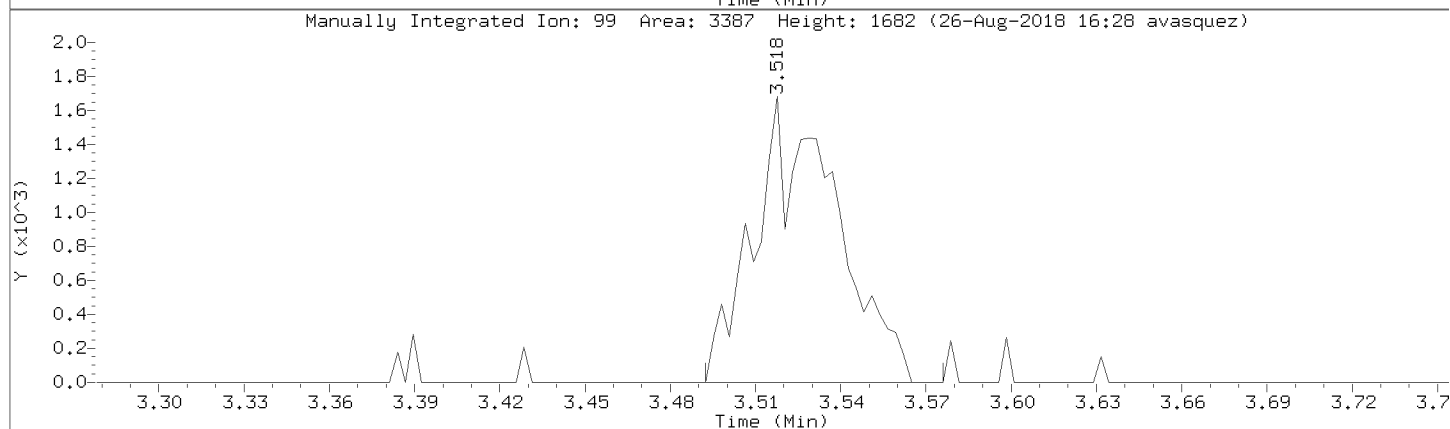
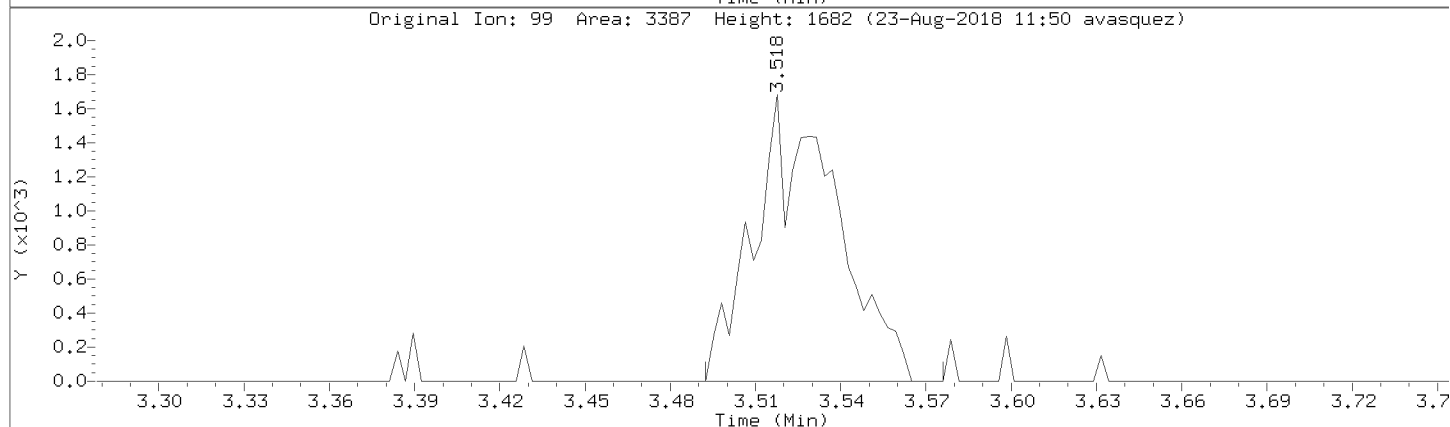
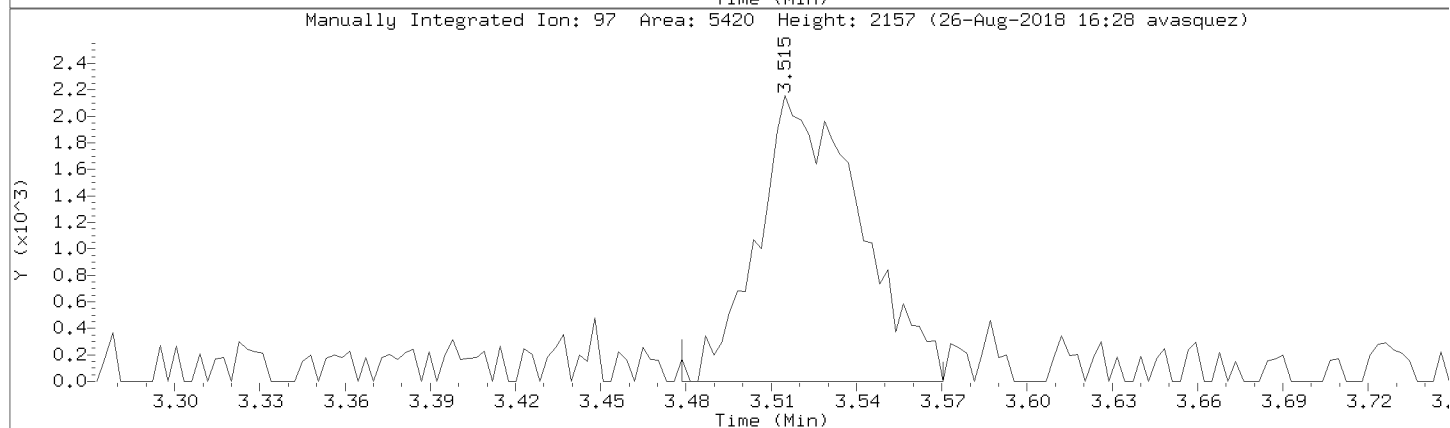
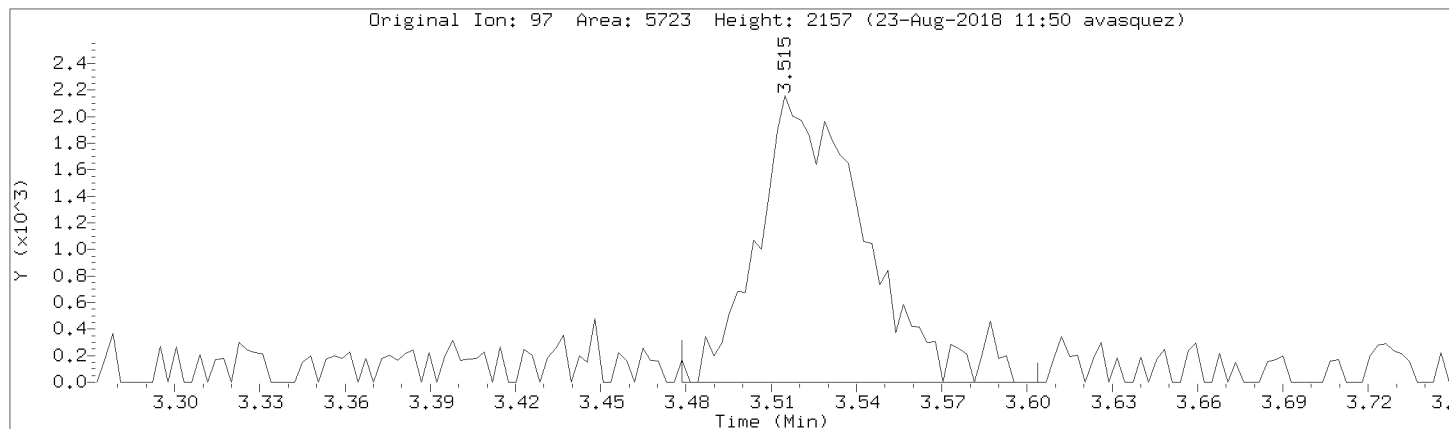
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

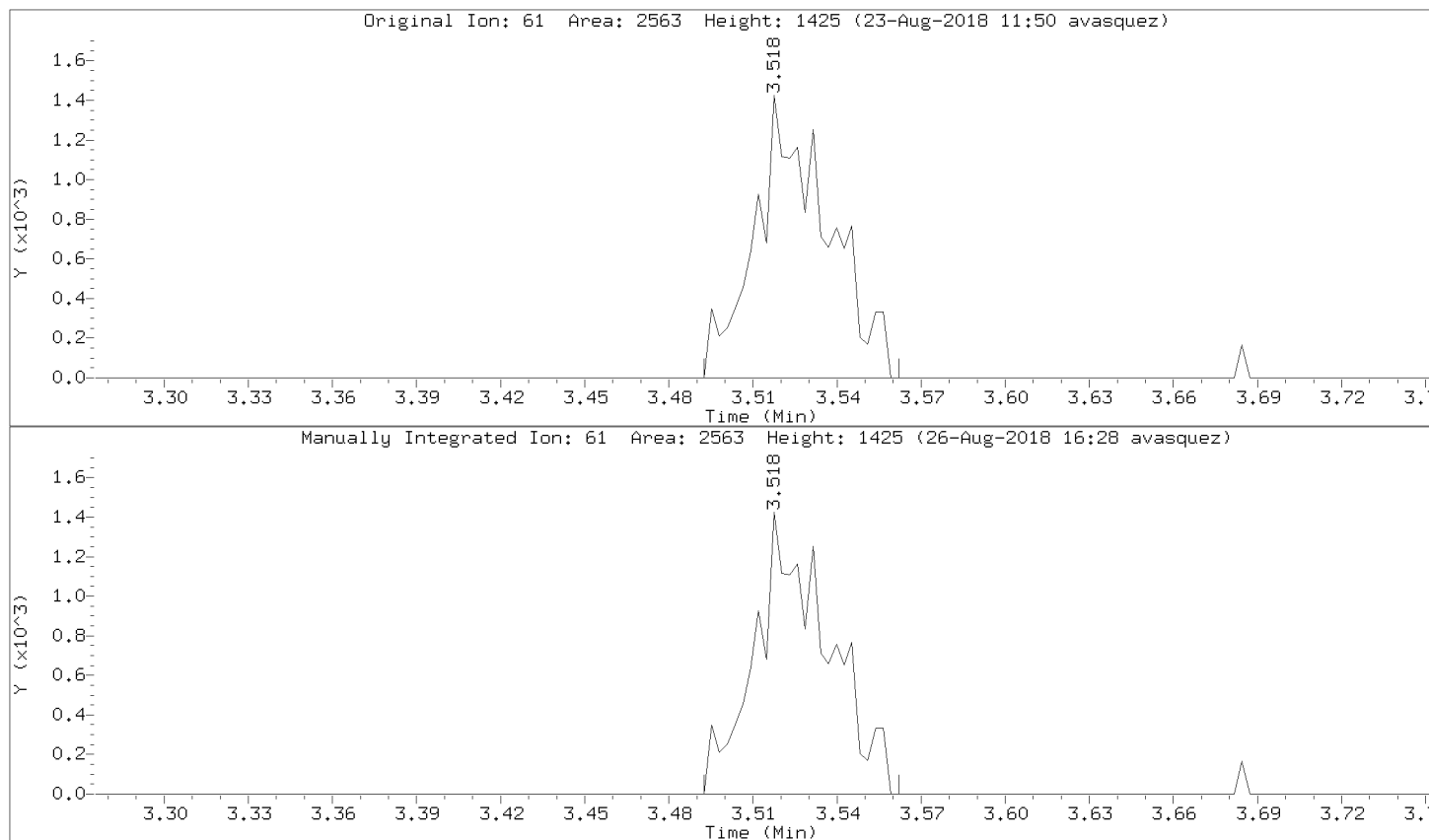
Compound: 1,1,1-Trichloroethane

Review Code: GT

CAS Number: 71-55-6



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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Injection Date: 22-AUG-2018 15:24

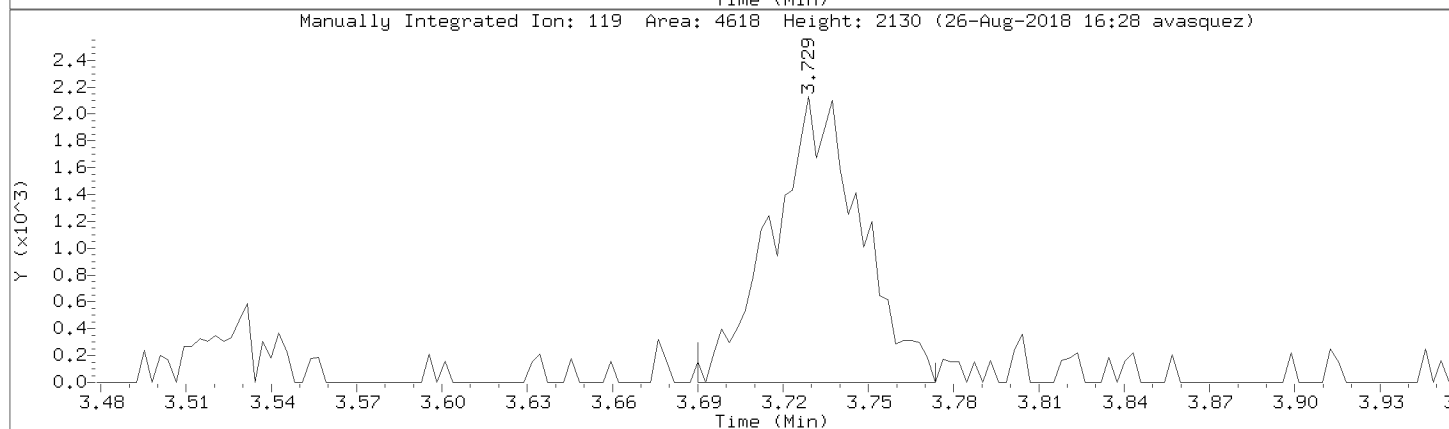
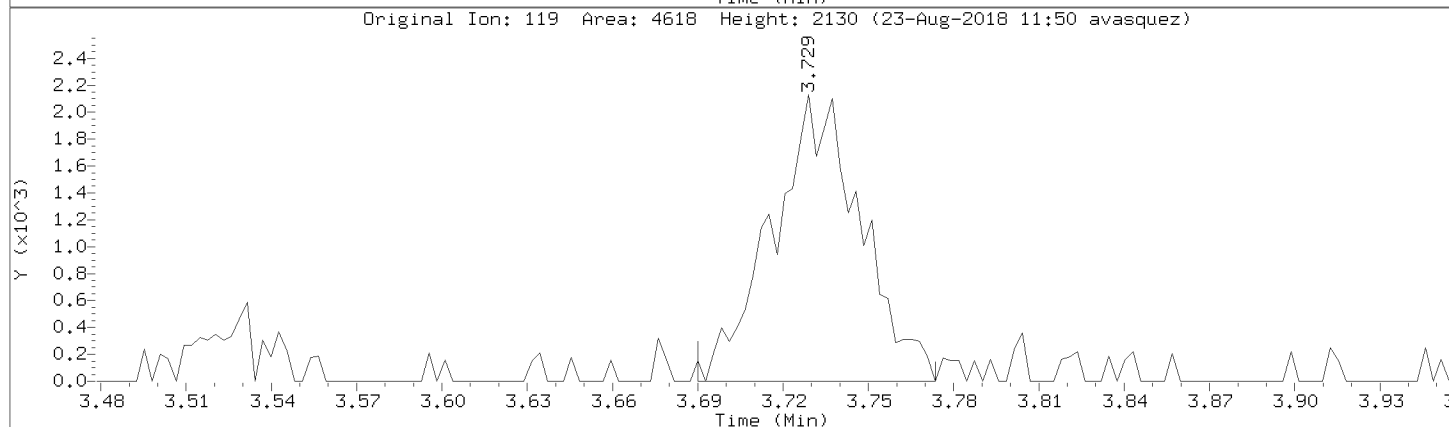
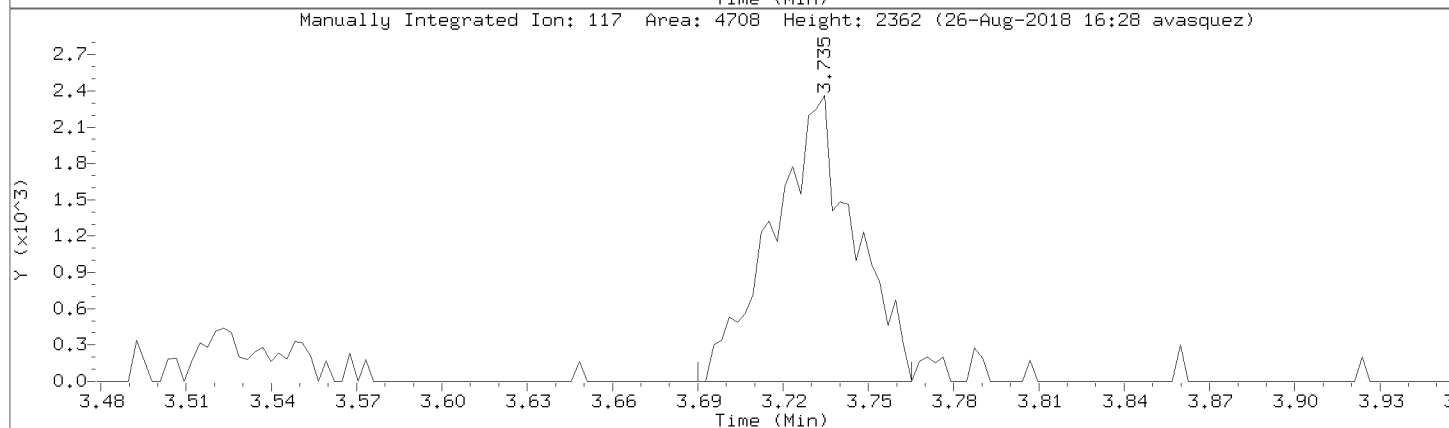
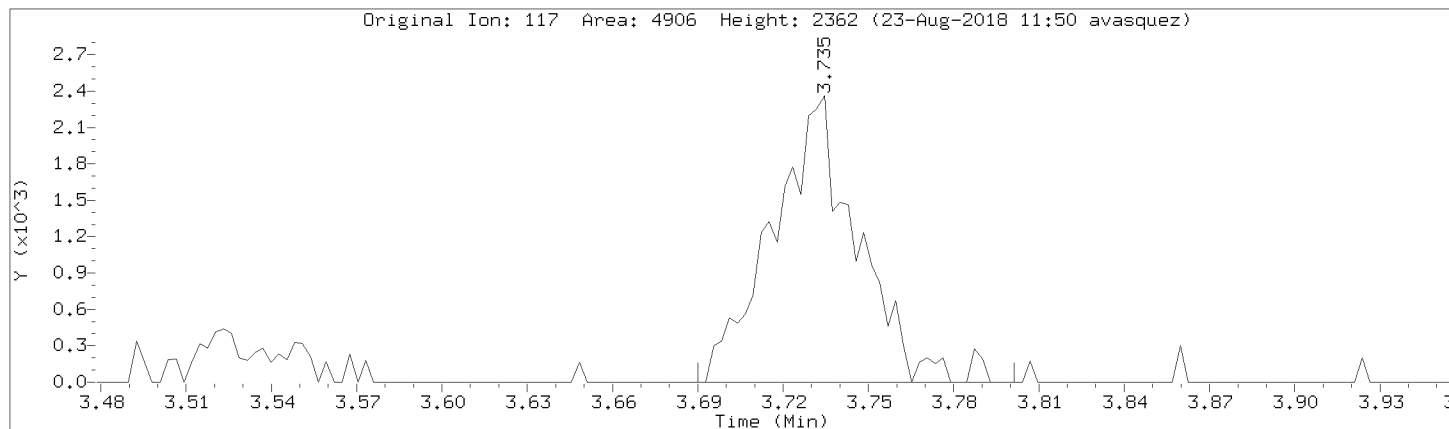
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

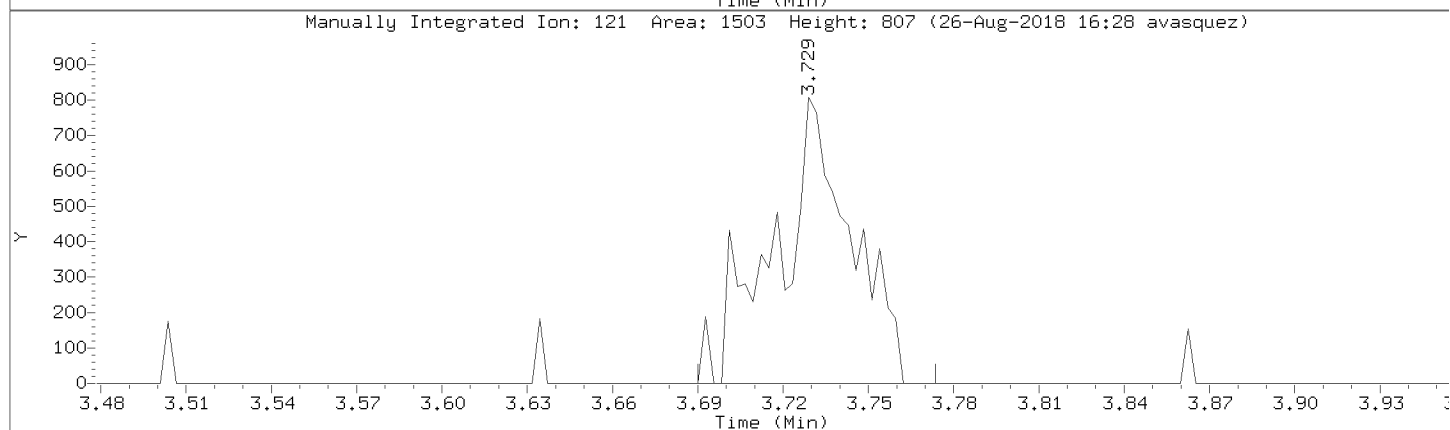
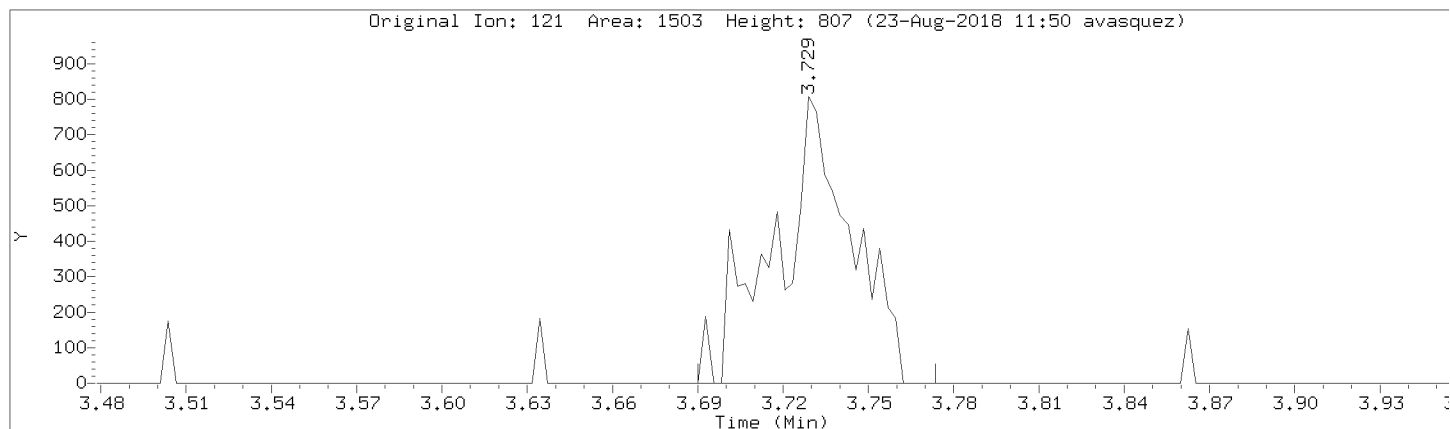
Compound: Carbon Tetrachloride

Review Code: GT

CAS Number: 56-23-5

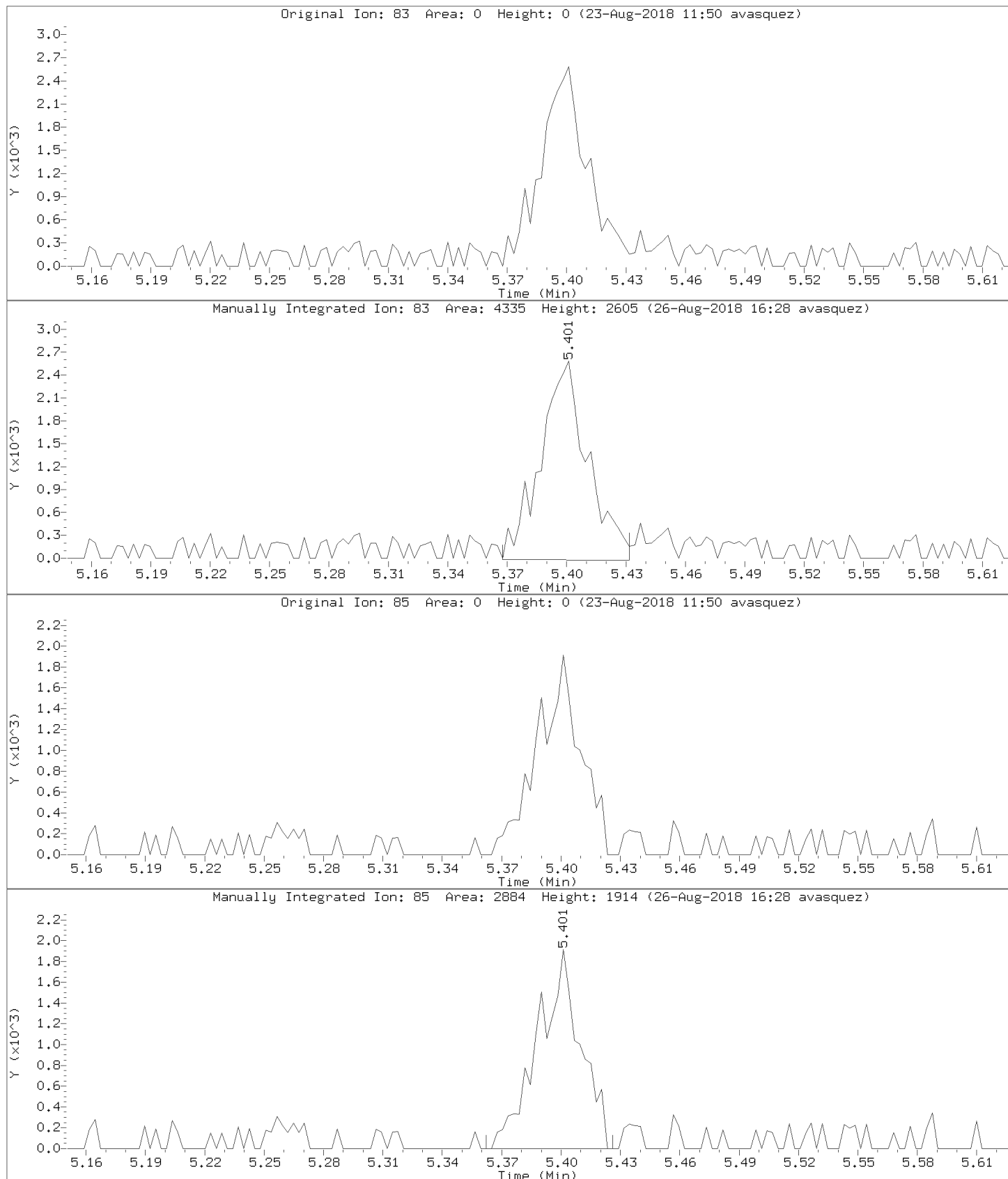


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Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

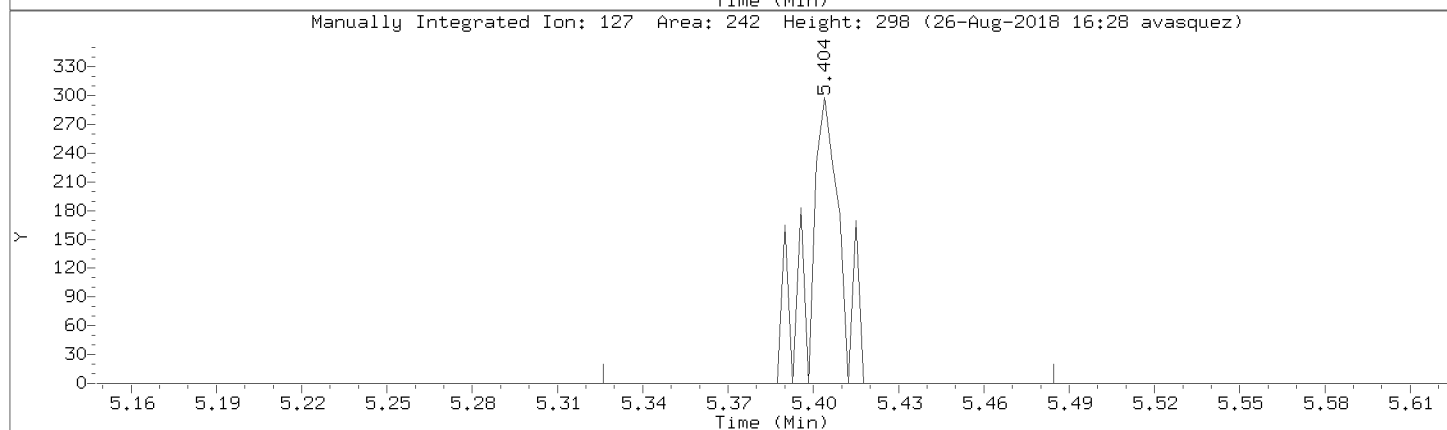
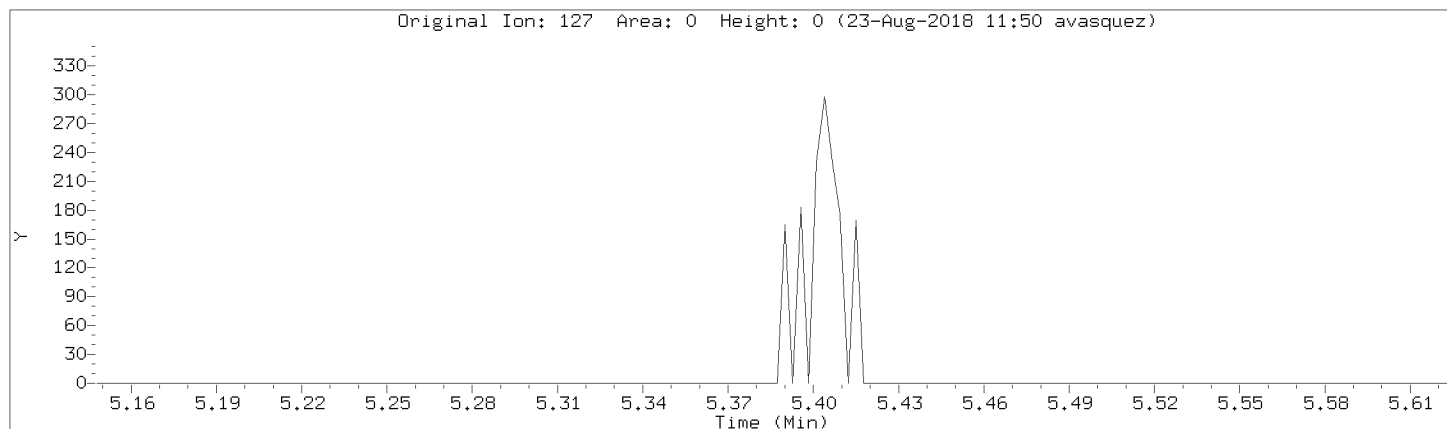


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Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

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

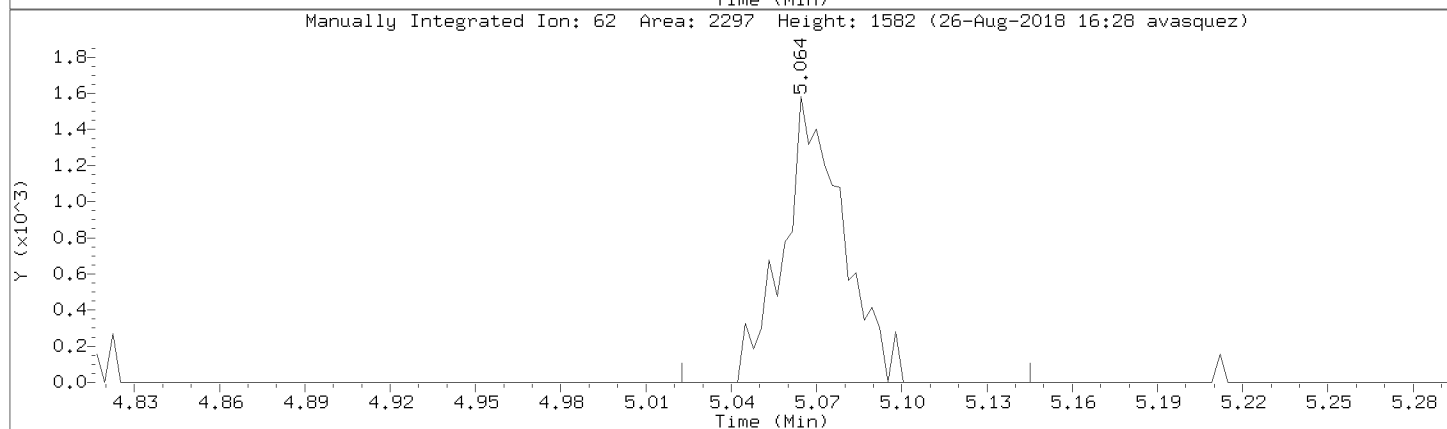
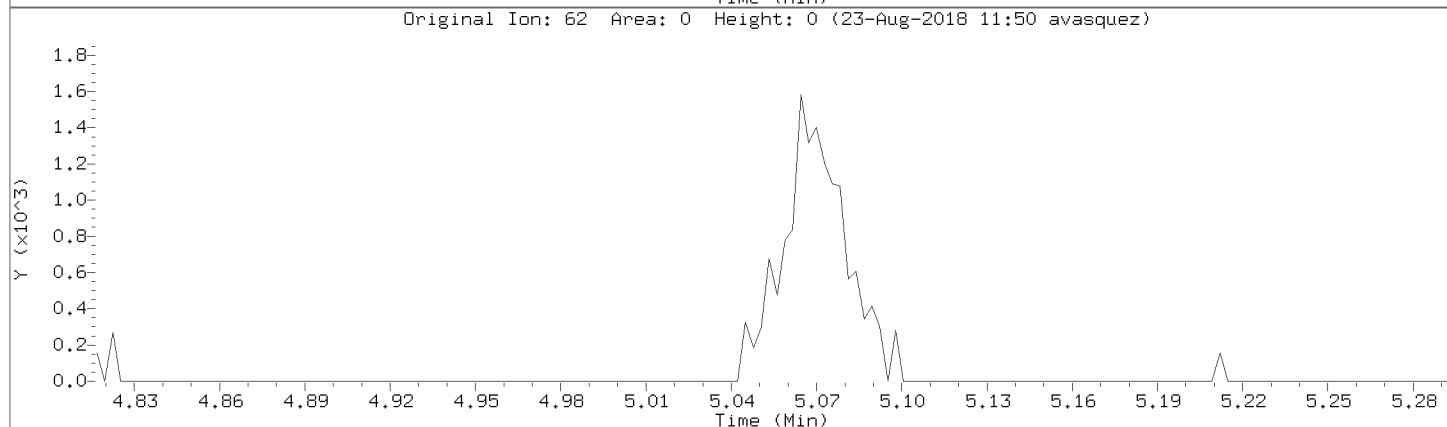
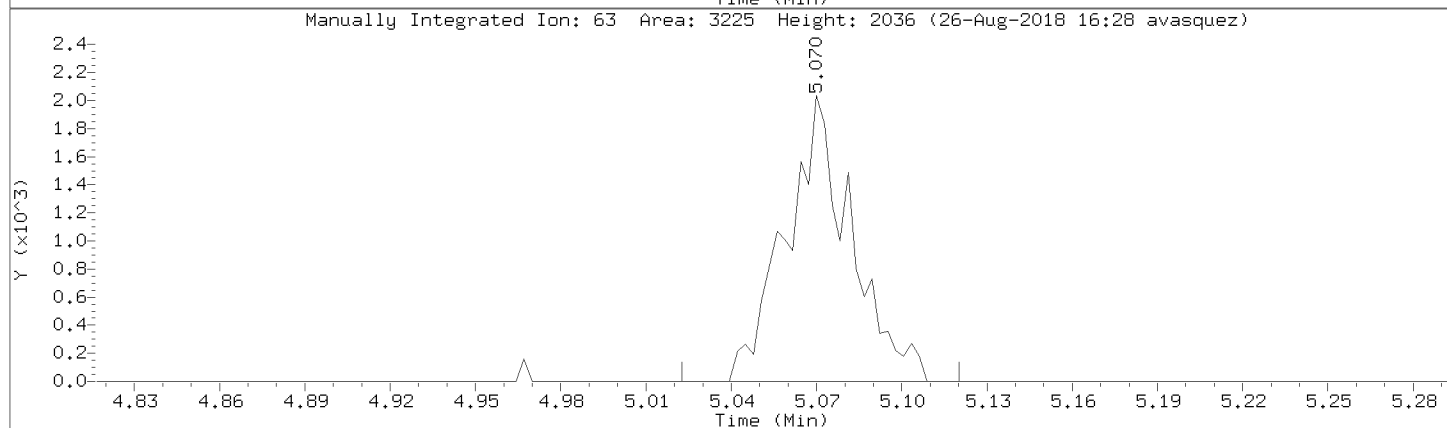
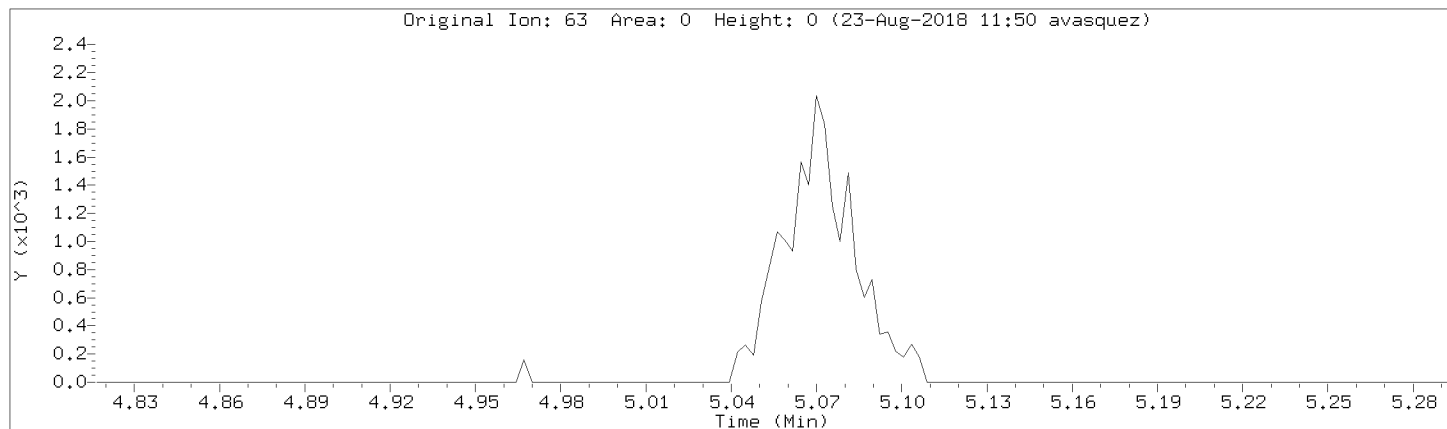


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

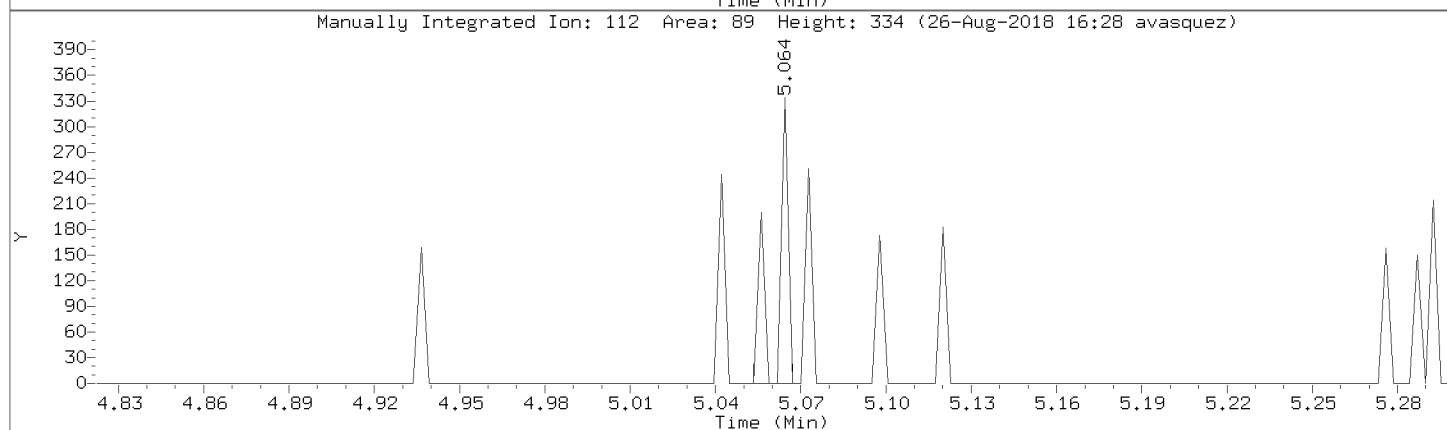
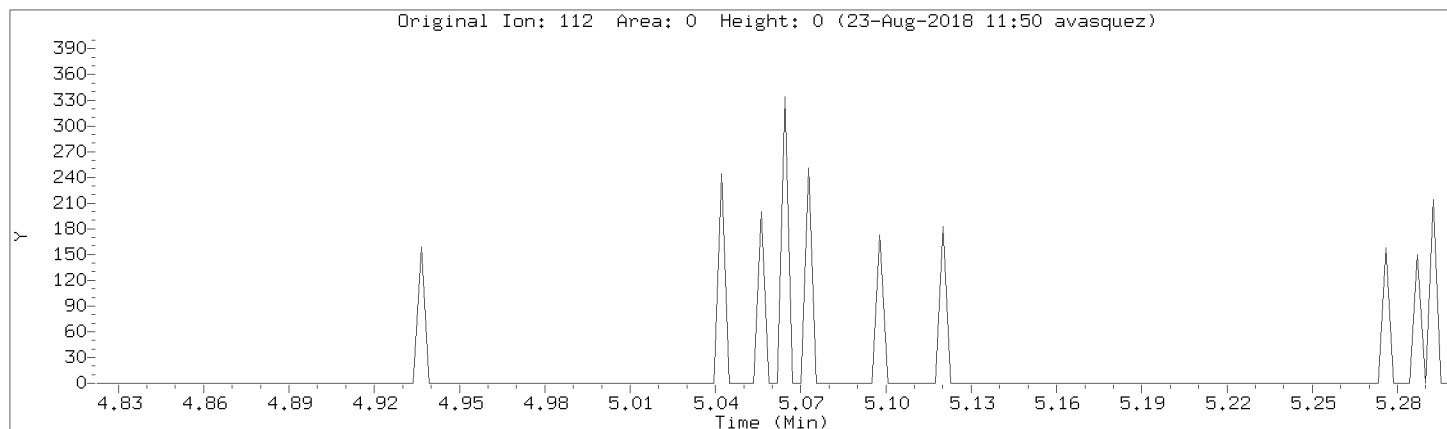


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Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

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

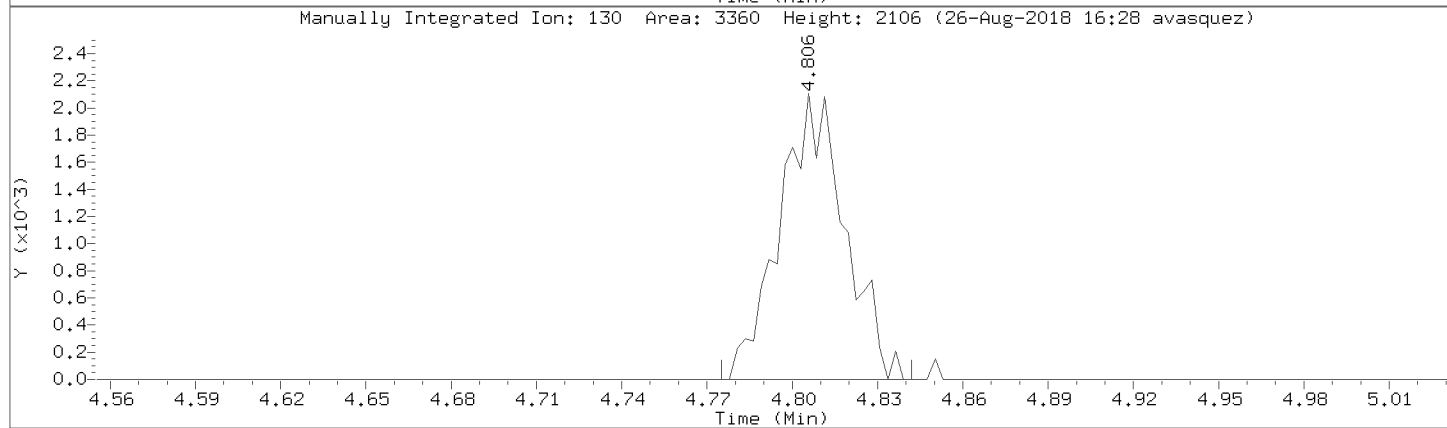
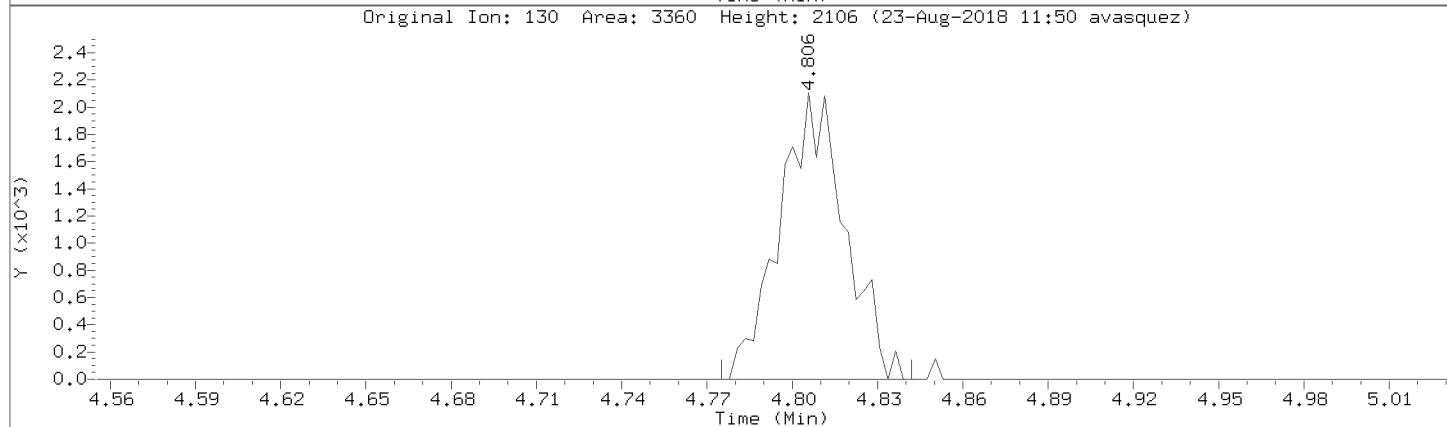
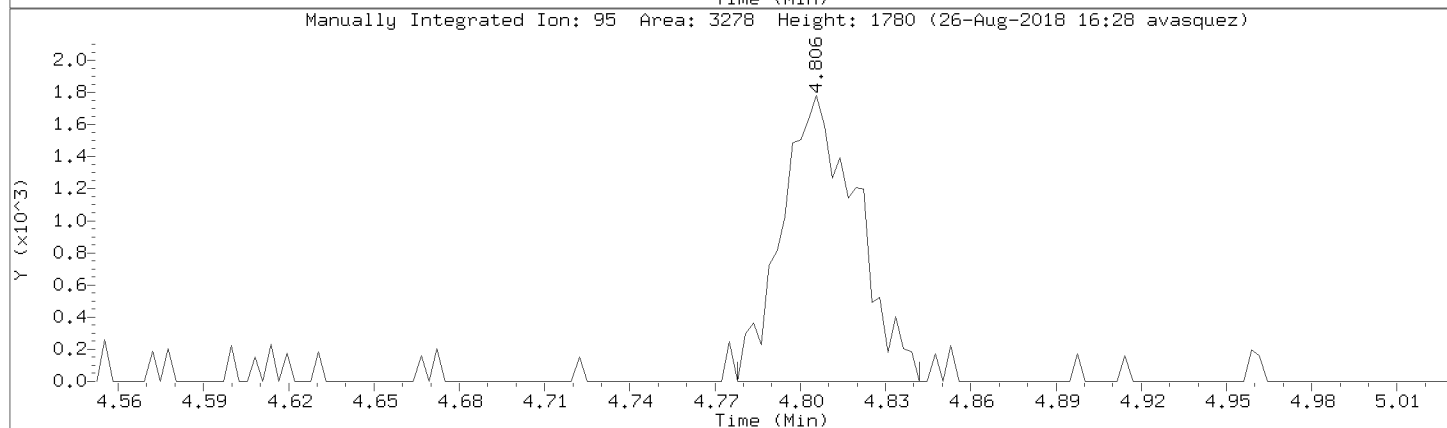
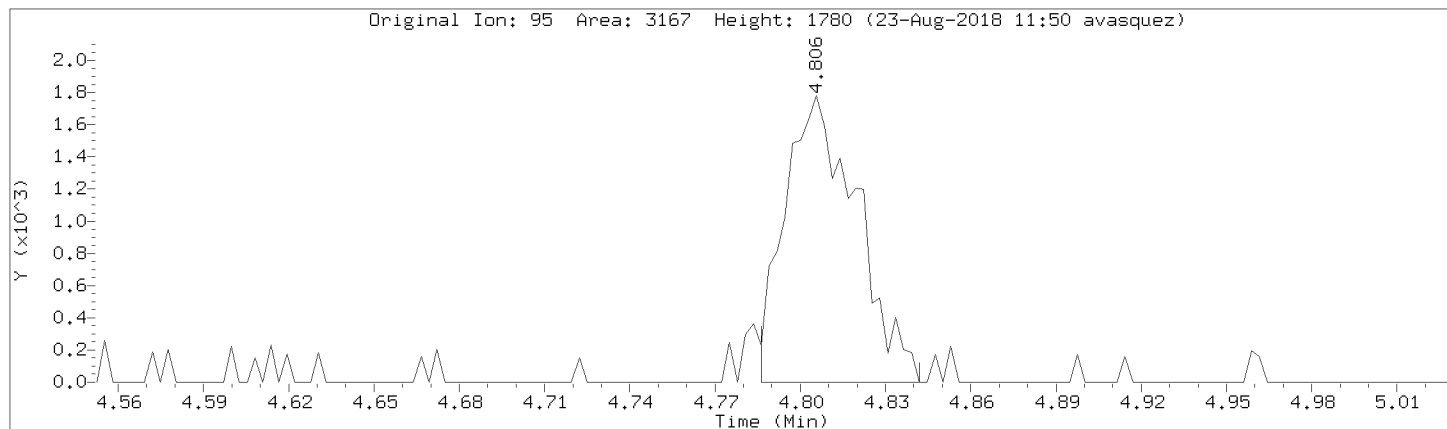
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: Trichloroethene

Review Code: LT

CAS Number: 79-01-6

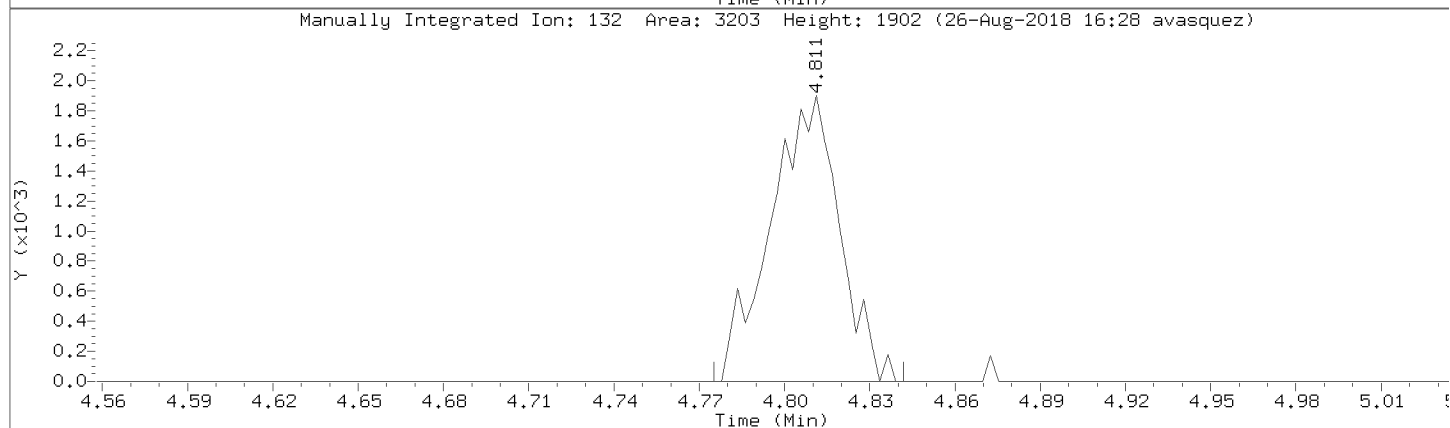
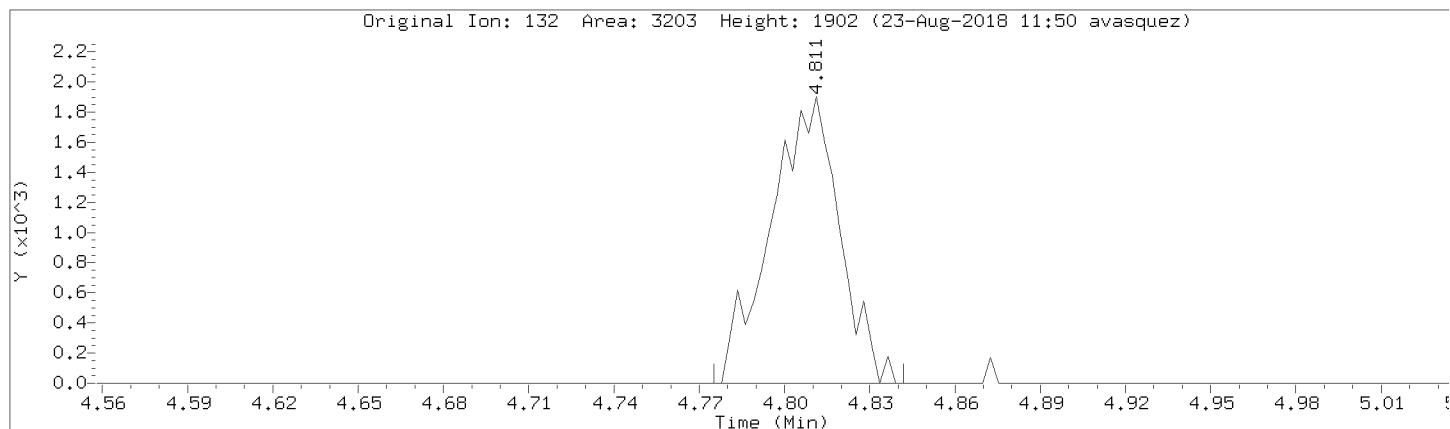


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Injection Date: 22-AUG-2018 15:24

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3



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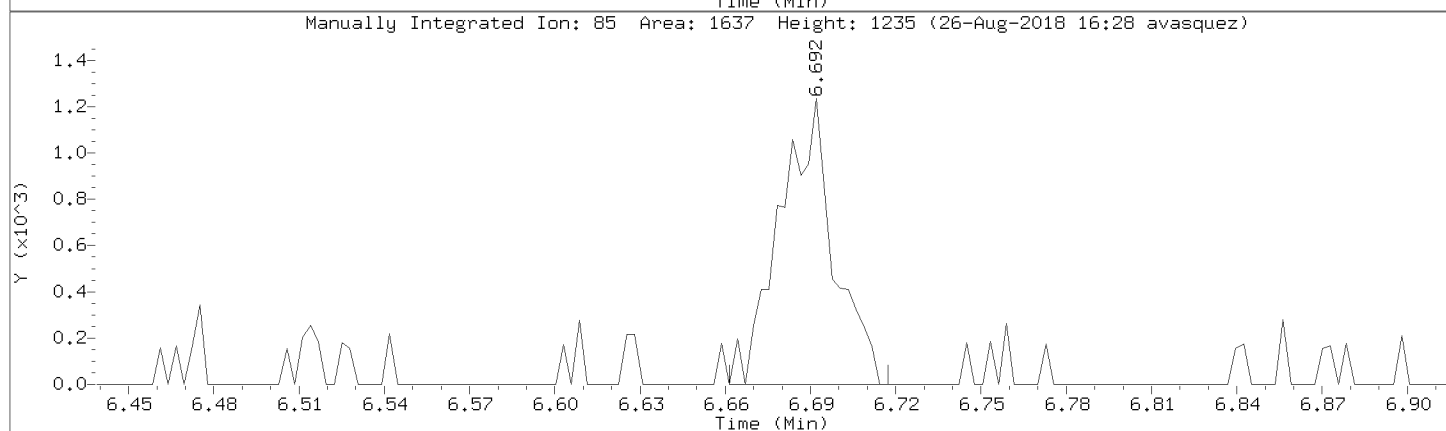
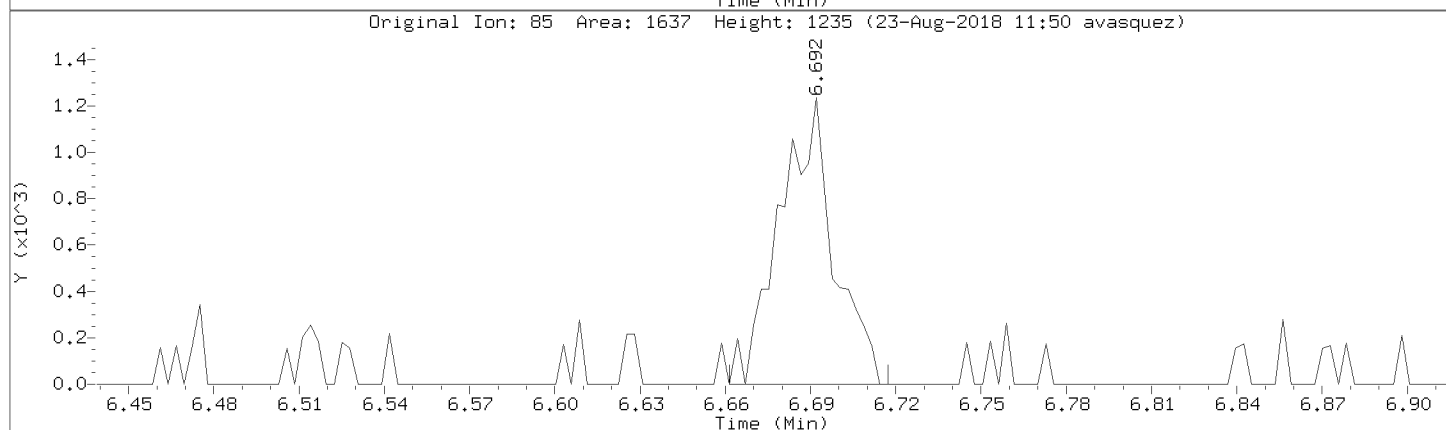
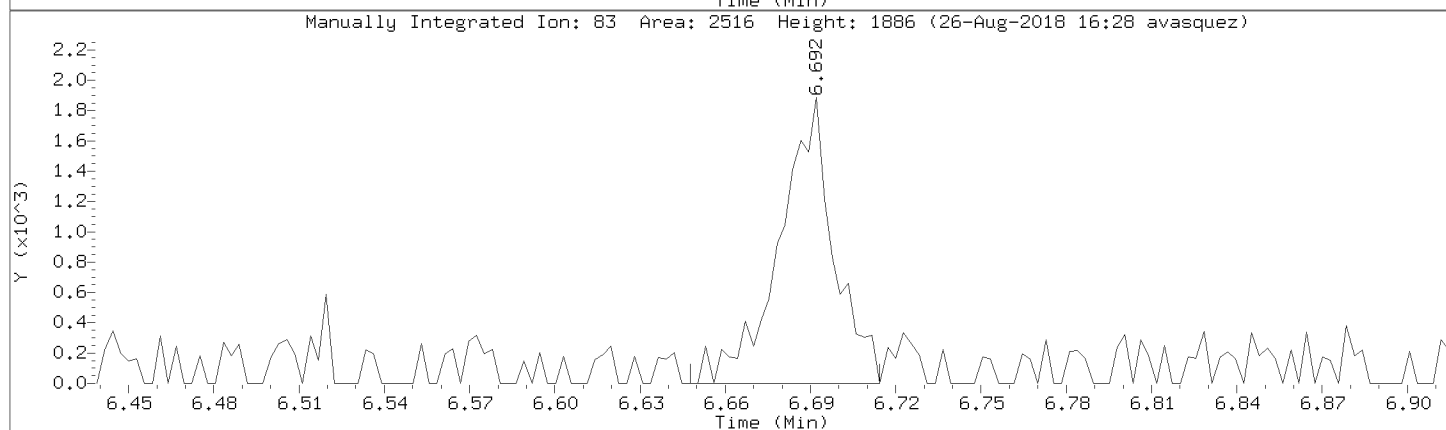
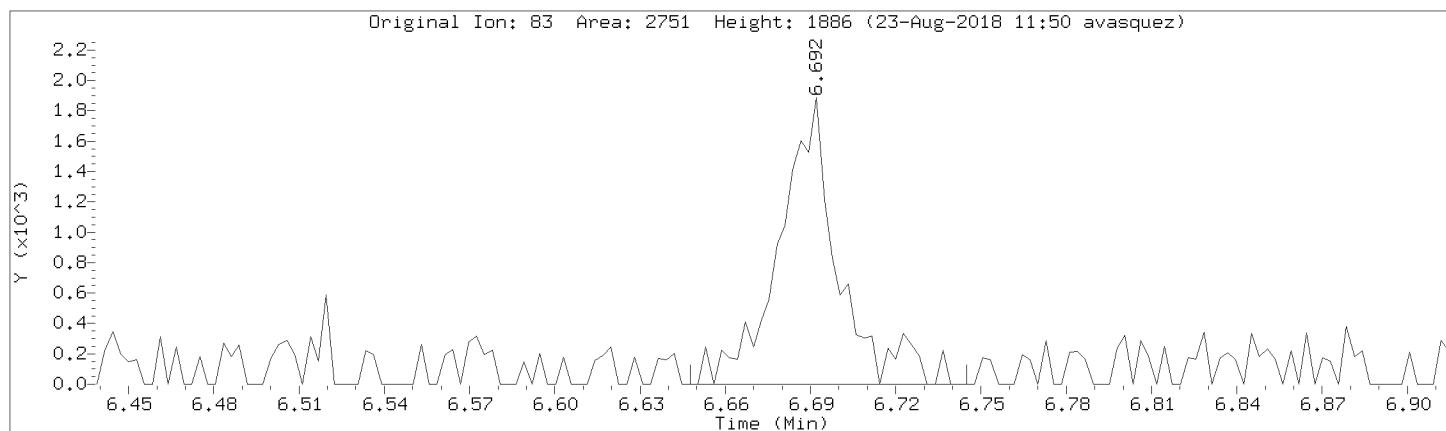
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

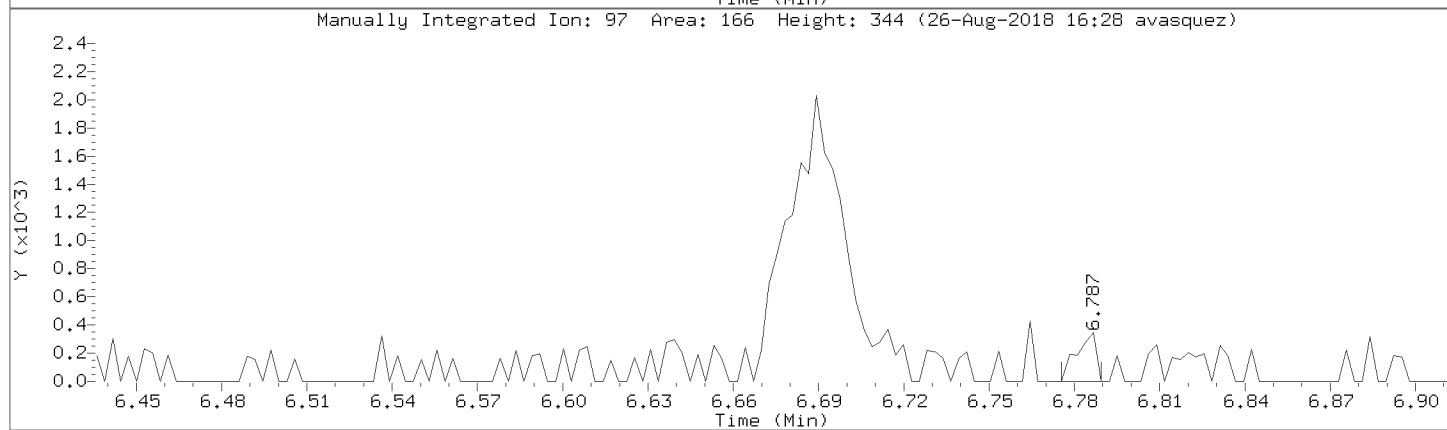
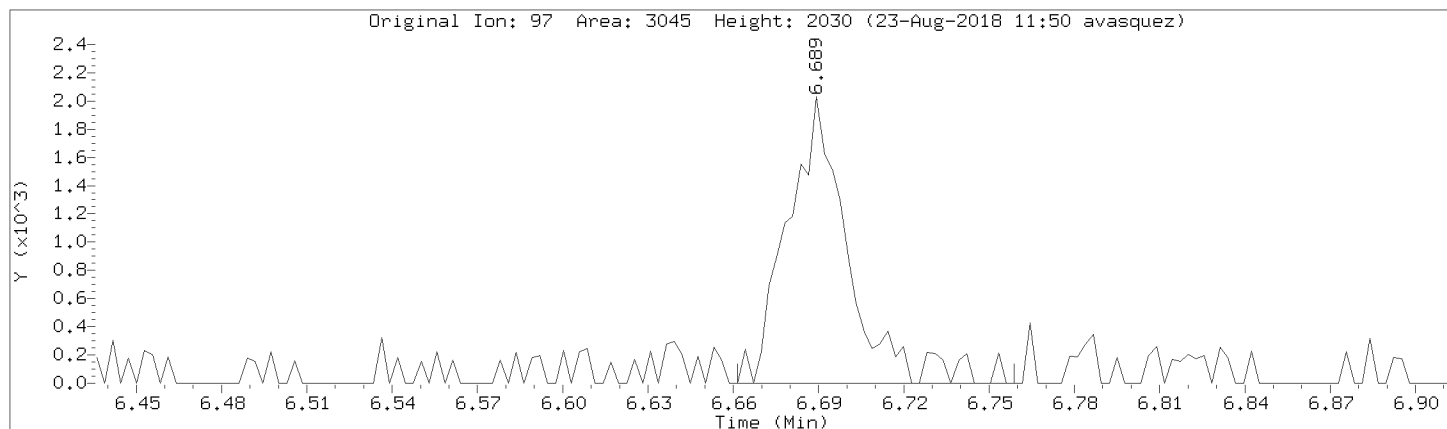
Compound: 1,1,2-Trichloroethane

Review Code: NI

CAS Number: 79-00-5

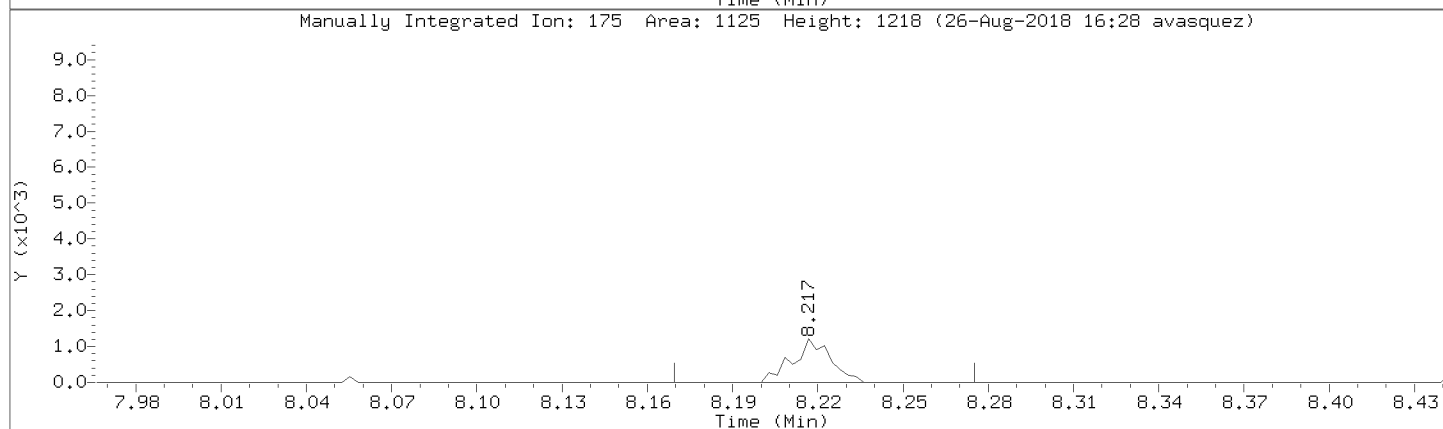
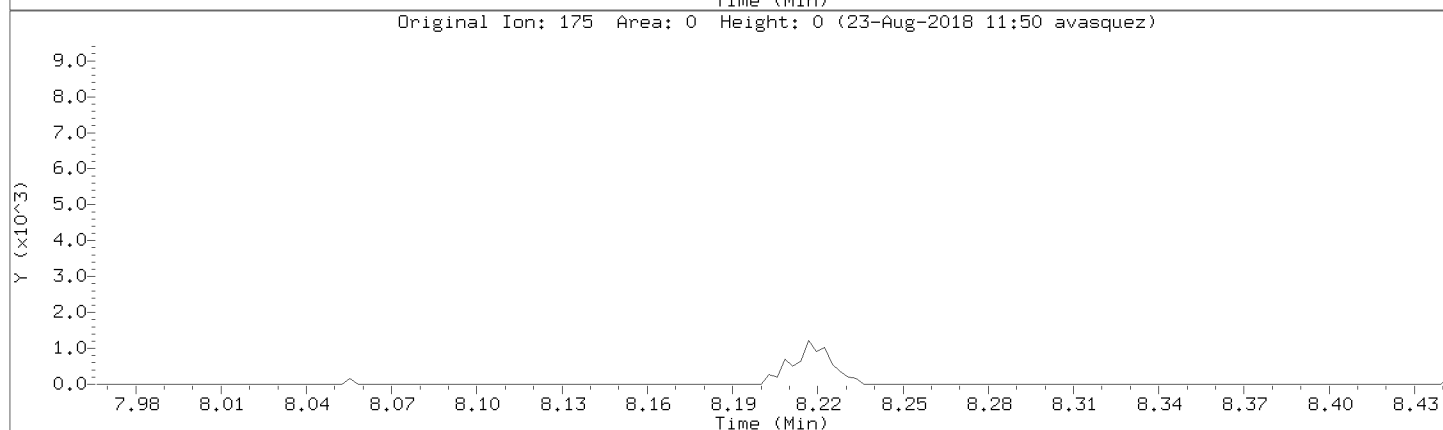
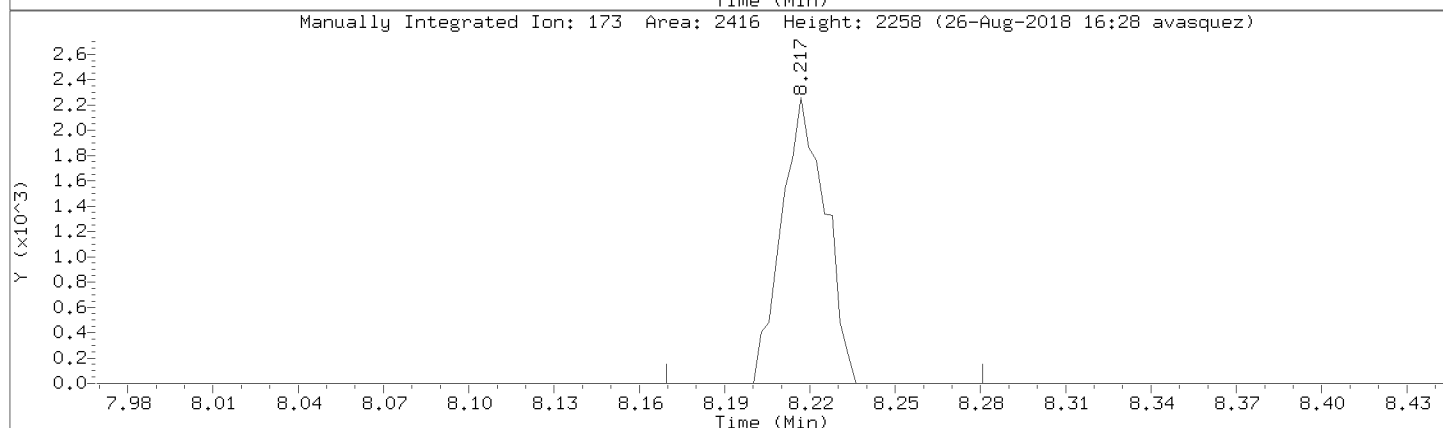
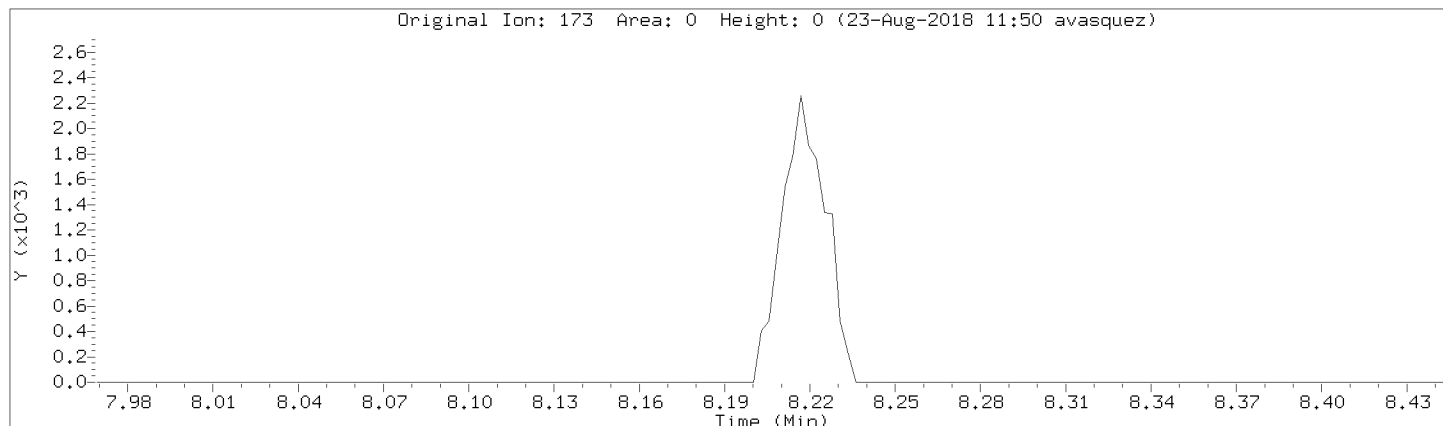


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d
Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

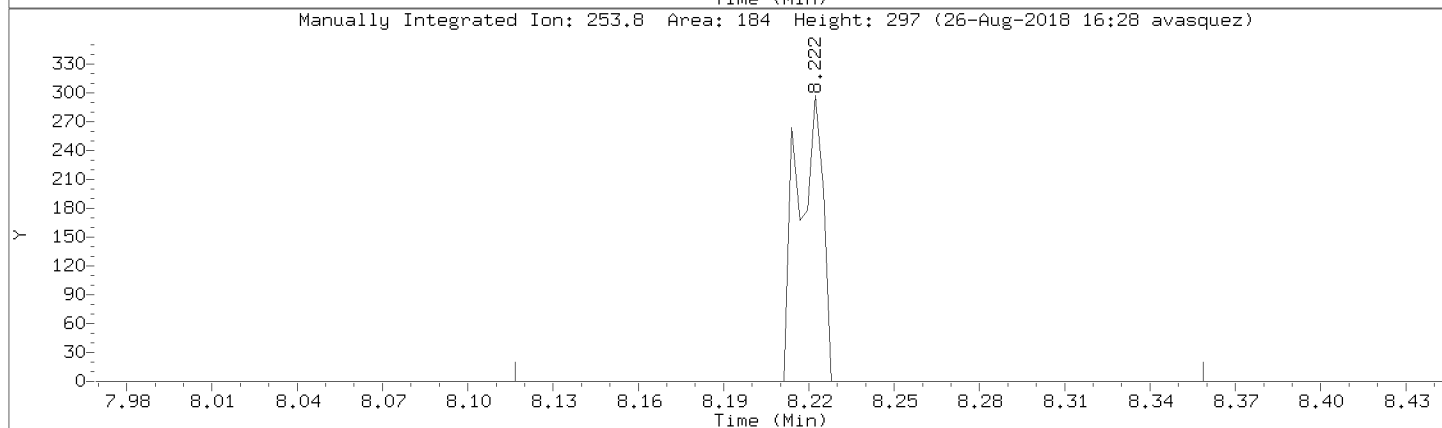
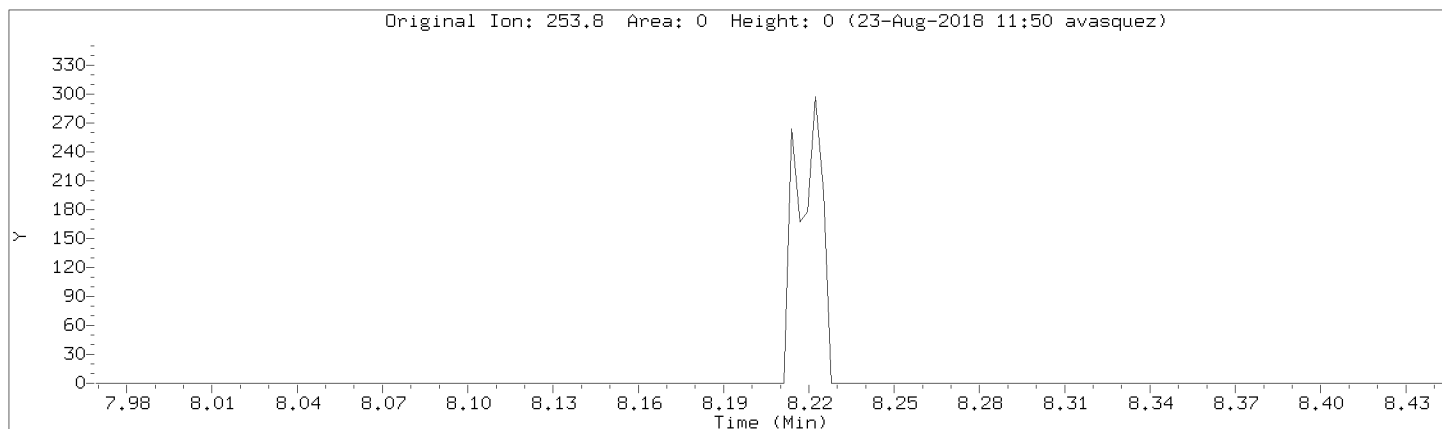


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Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

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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Injection Date: 22-AUG-2018 15:24

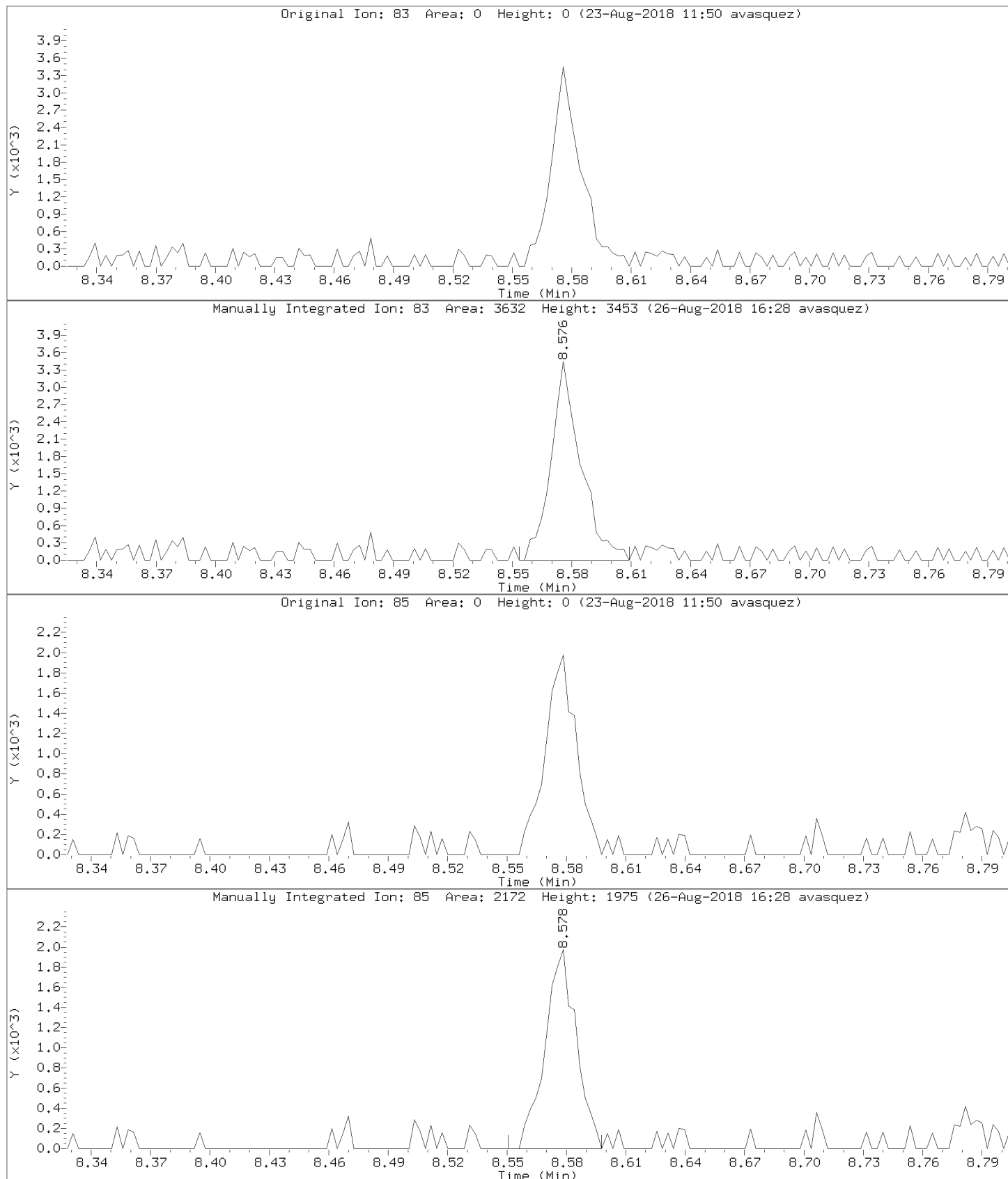
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

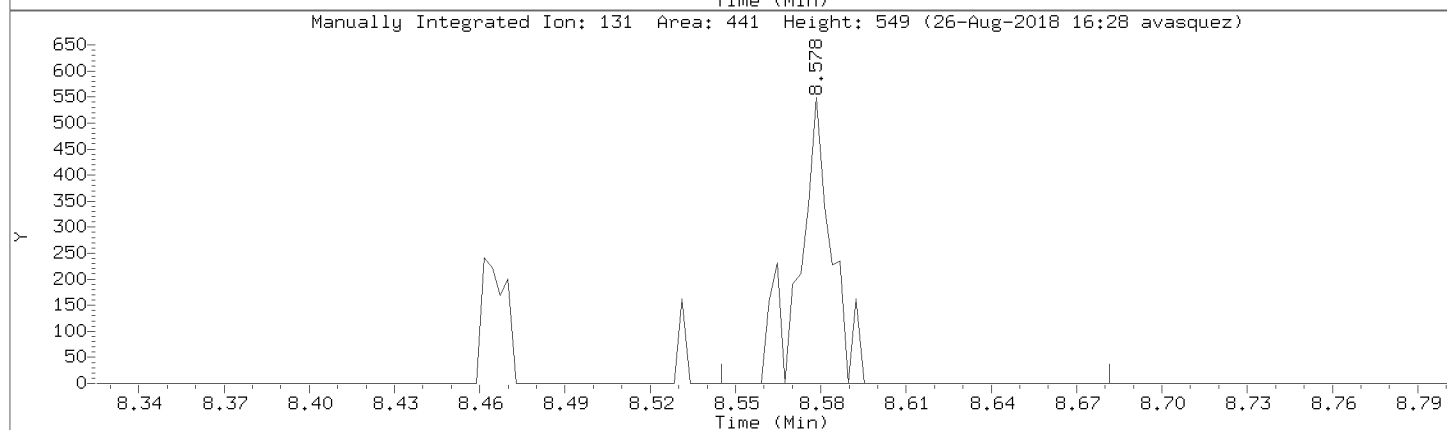
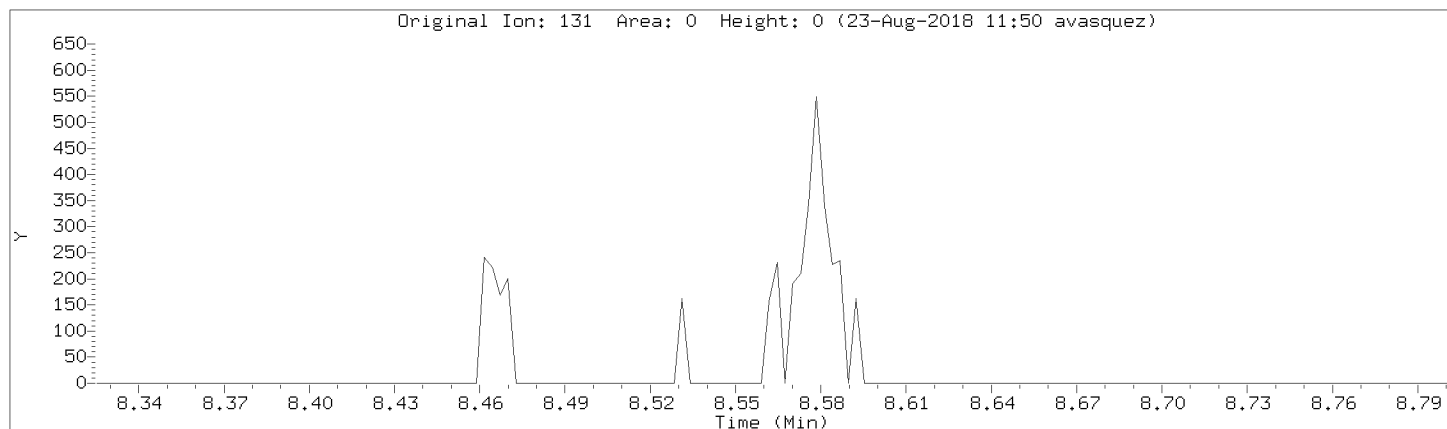
Compound: 1,1,2,2-Tetrachloroethane

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

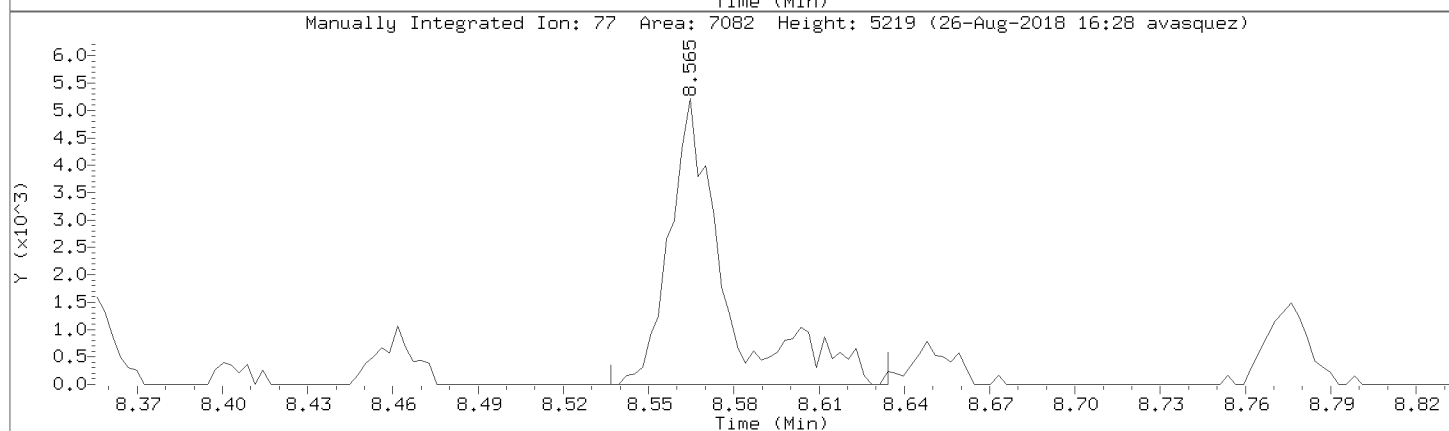
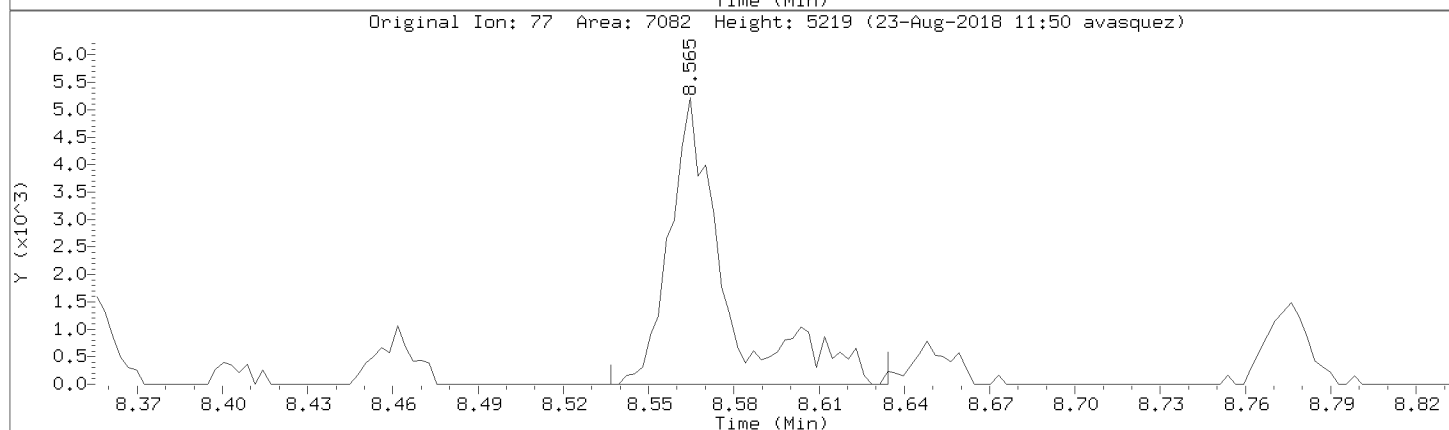
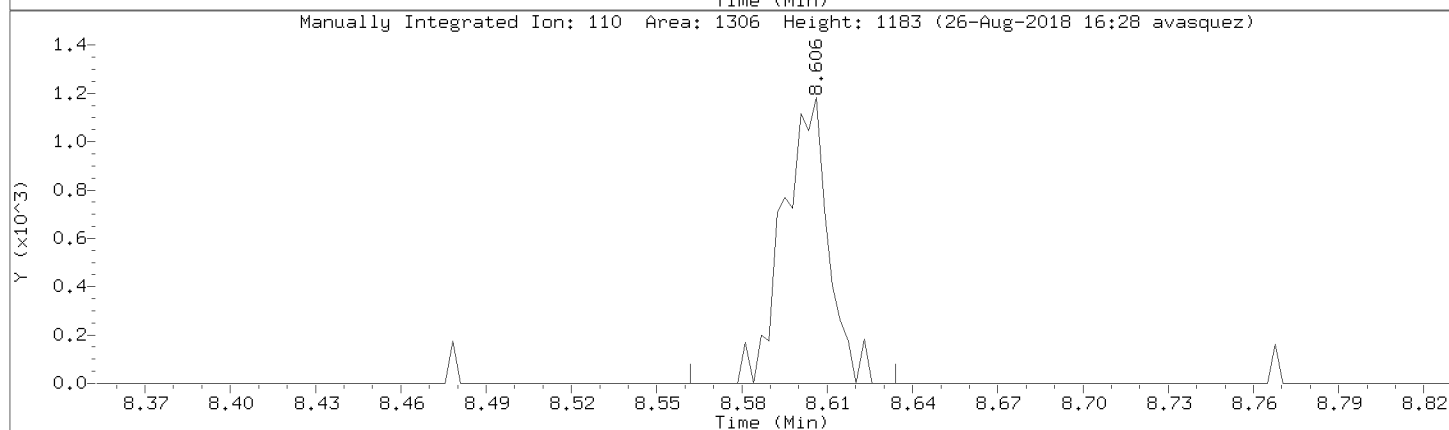
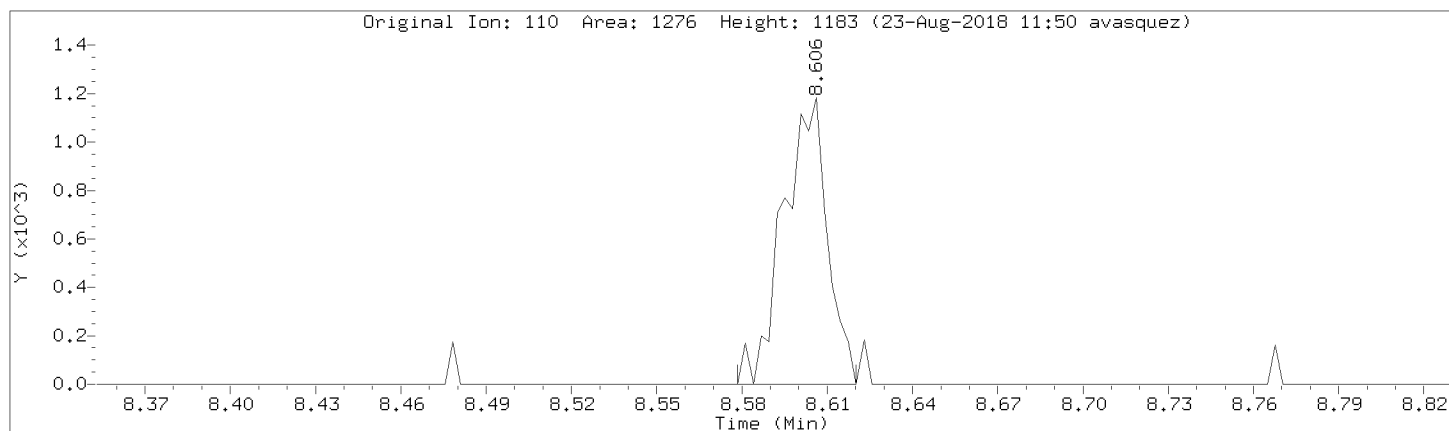
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: 1,2,3-Trichloropropane

Review Code: LT

CAS Number: 96-18-4

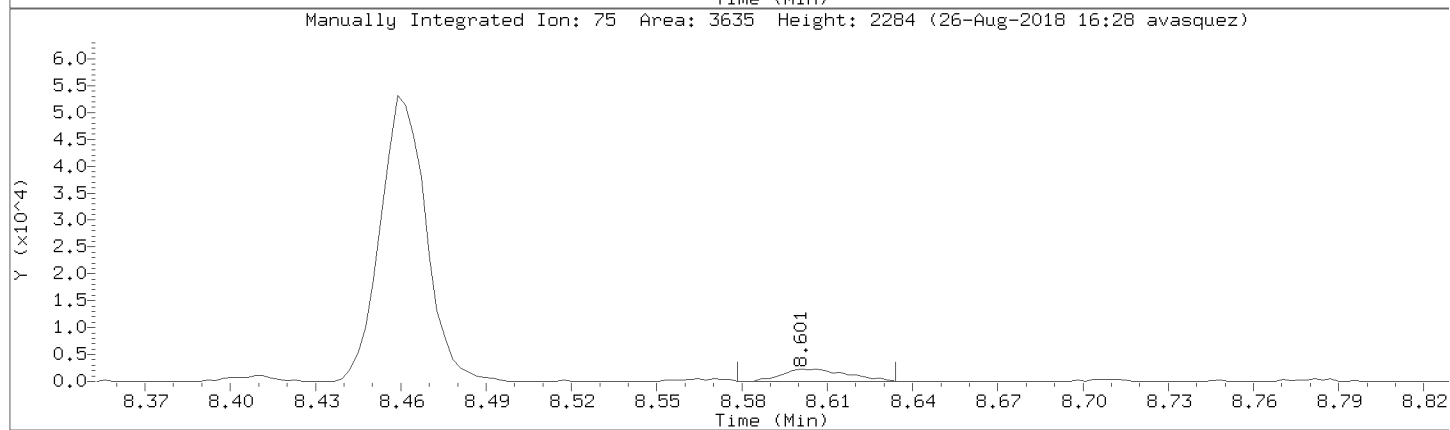
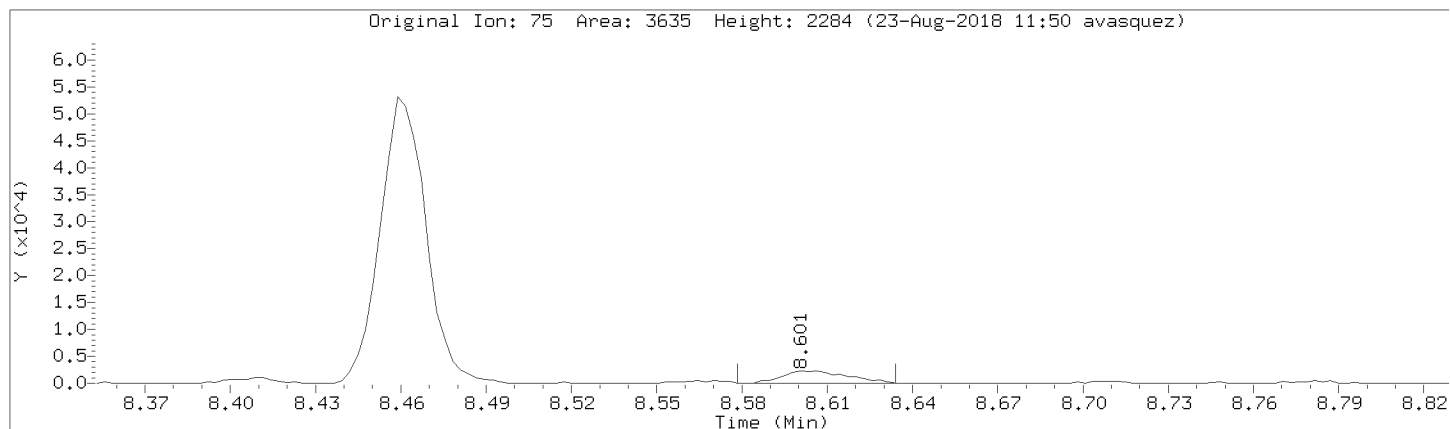


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Injection Date: 22-AUG-2018 15:24

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3



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Injection Date: 22-AUG-2018 15:24

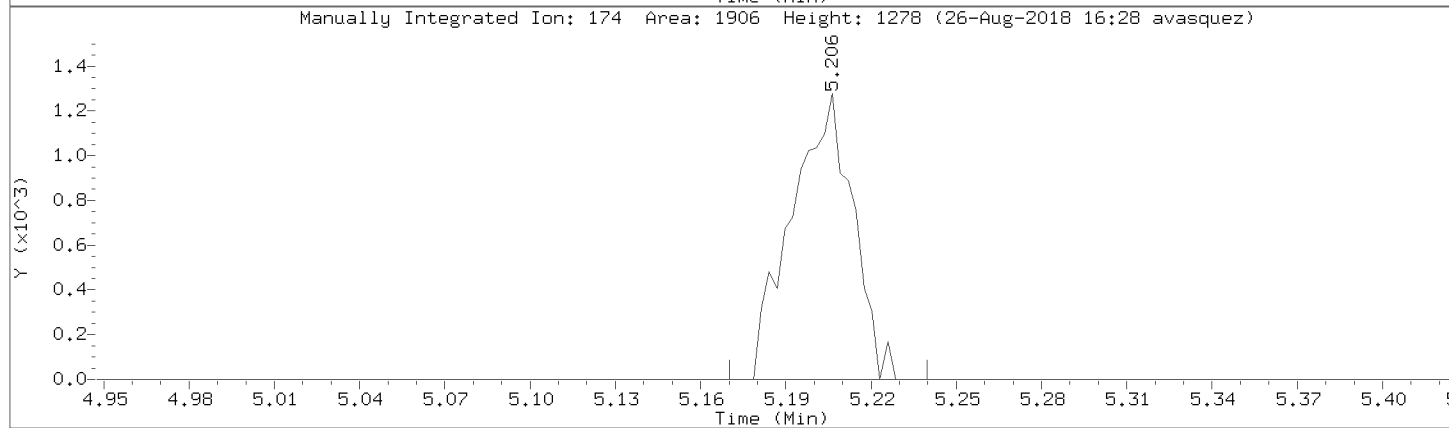
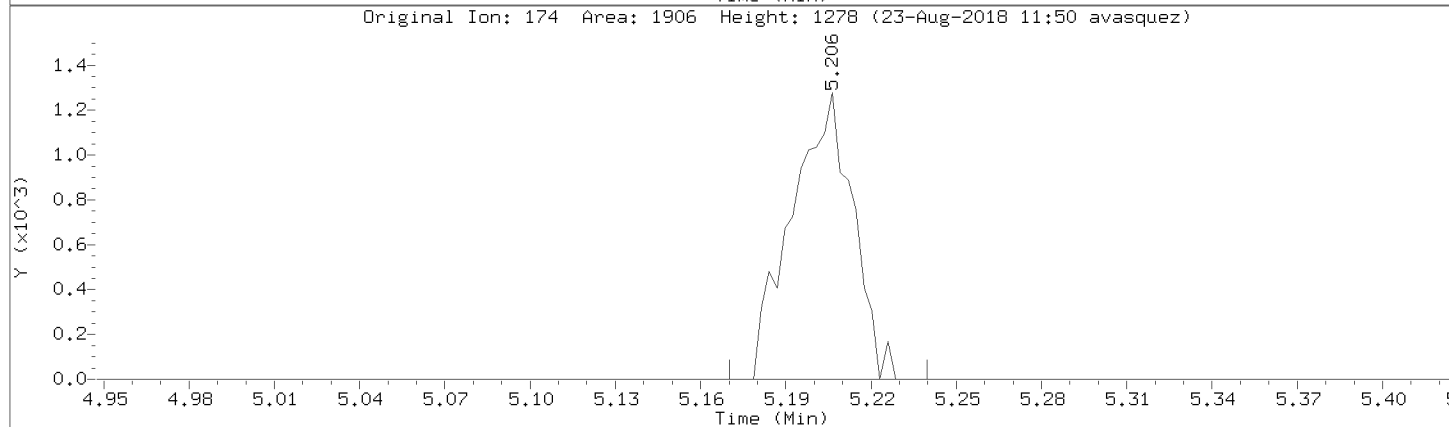
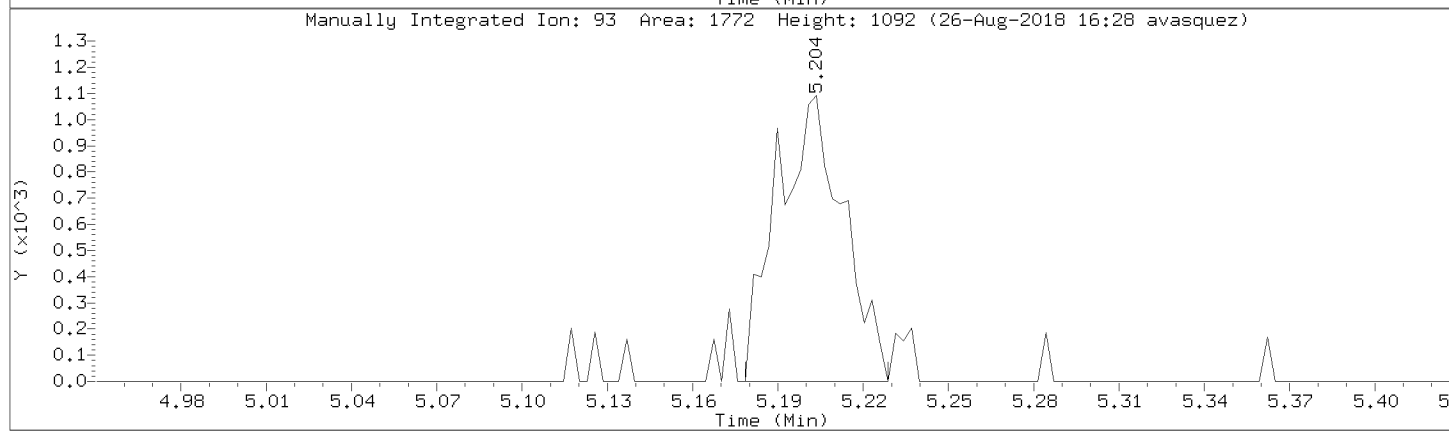
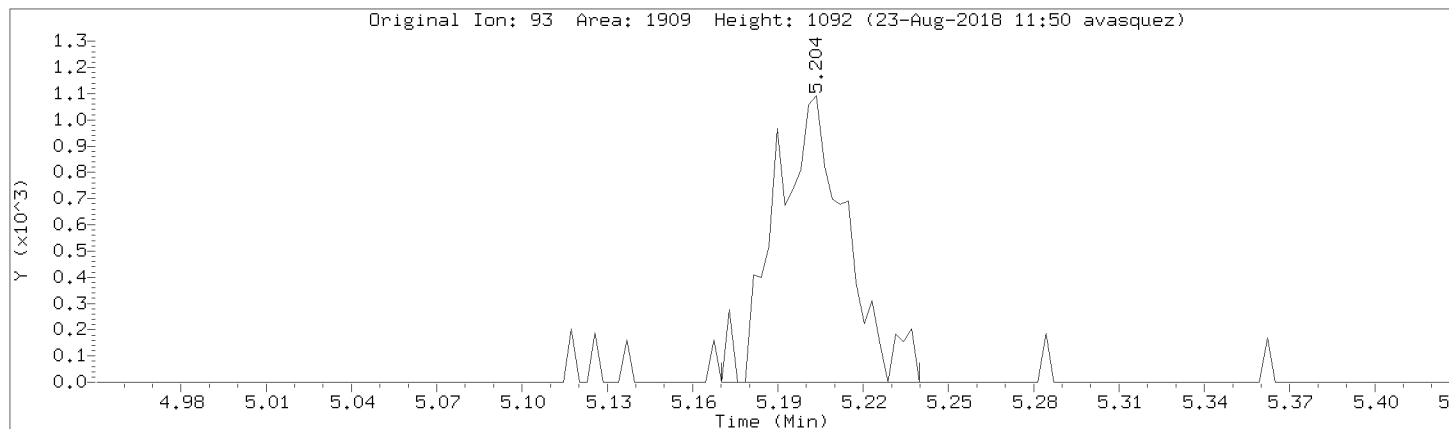
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Lab Sample ID: 8260-CAL3

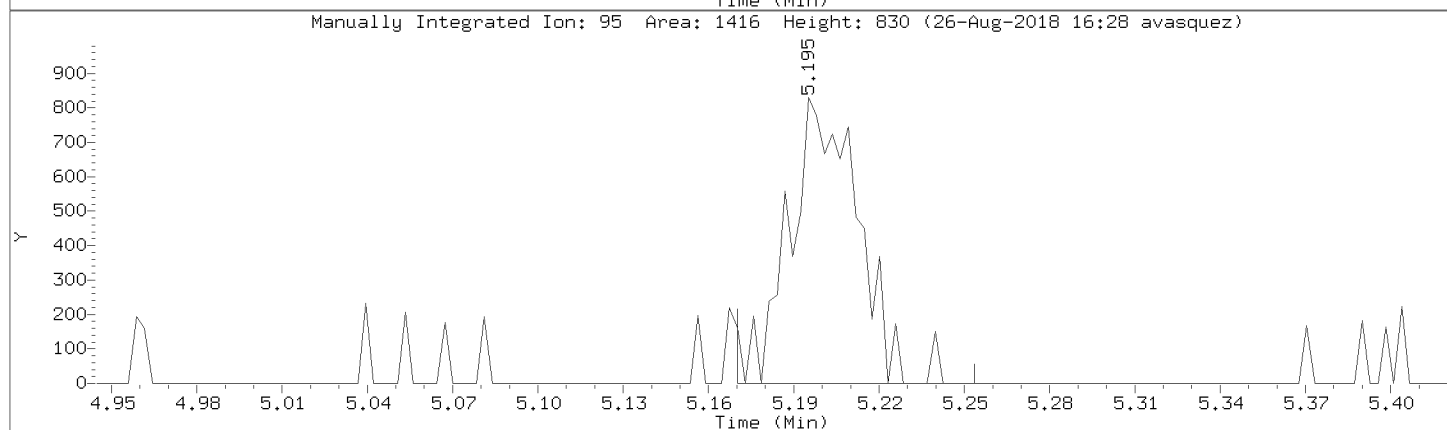
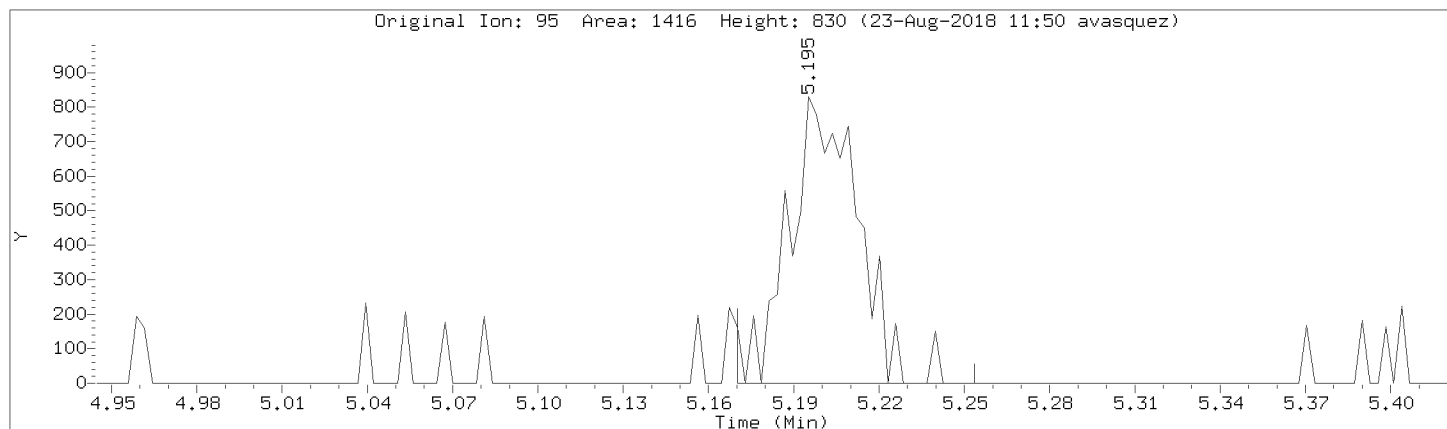
Compound: Dibromomethane

Review Code: NI

CAS Number: 74-95-3

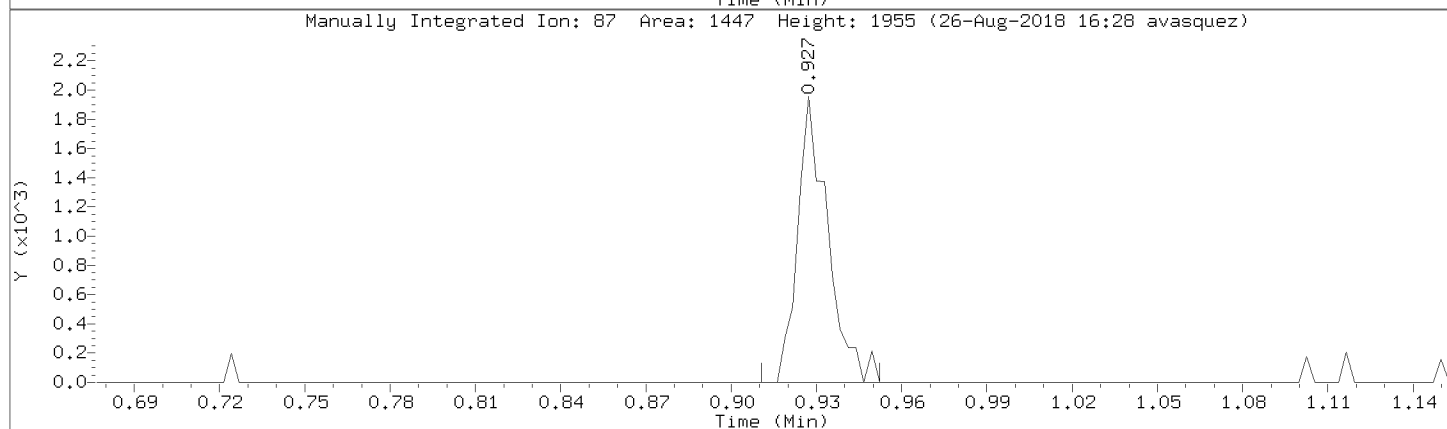
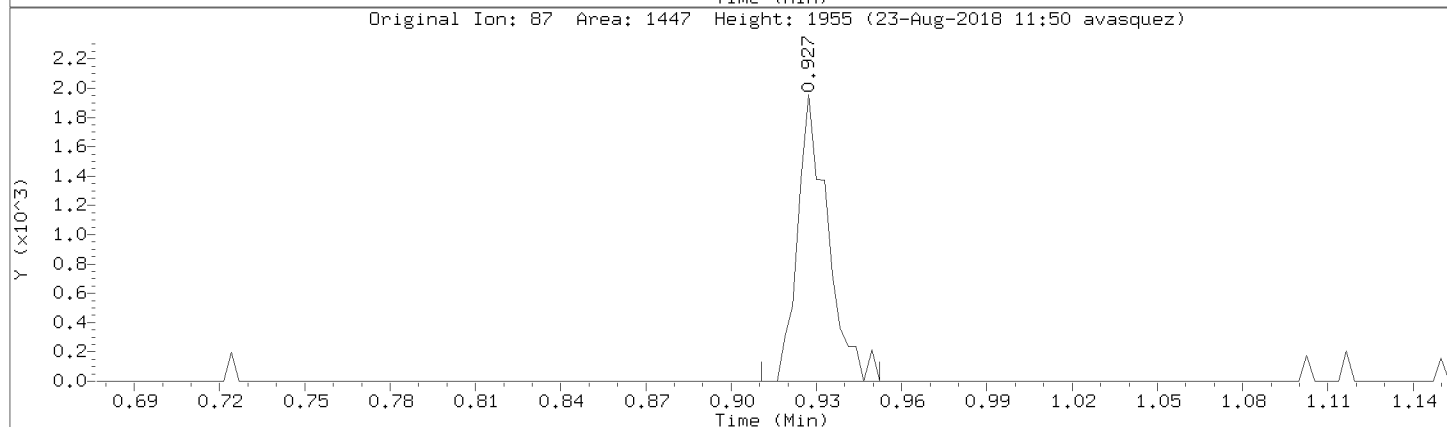
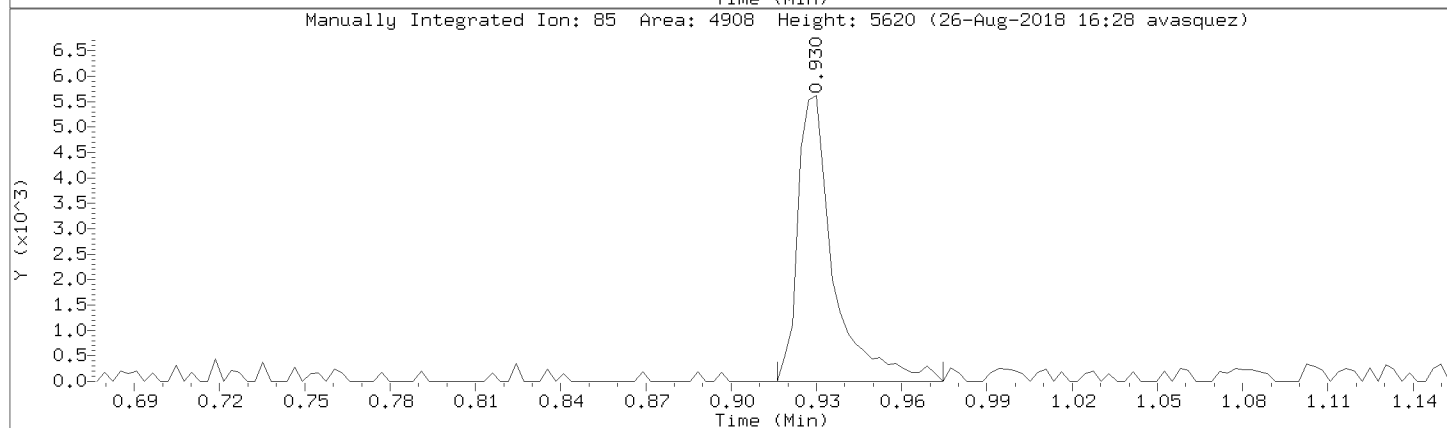
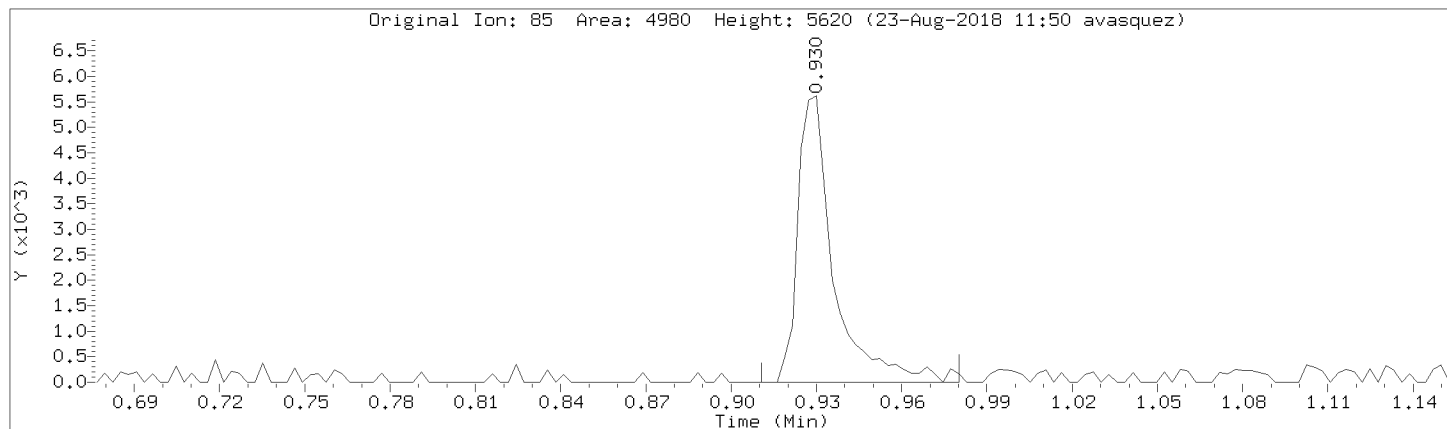


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Lab Sample ID: 8260-CAL3

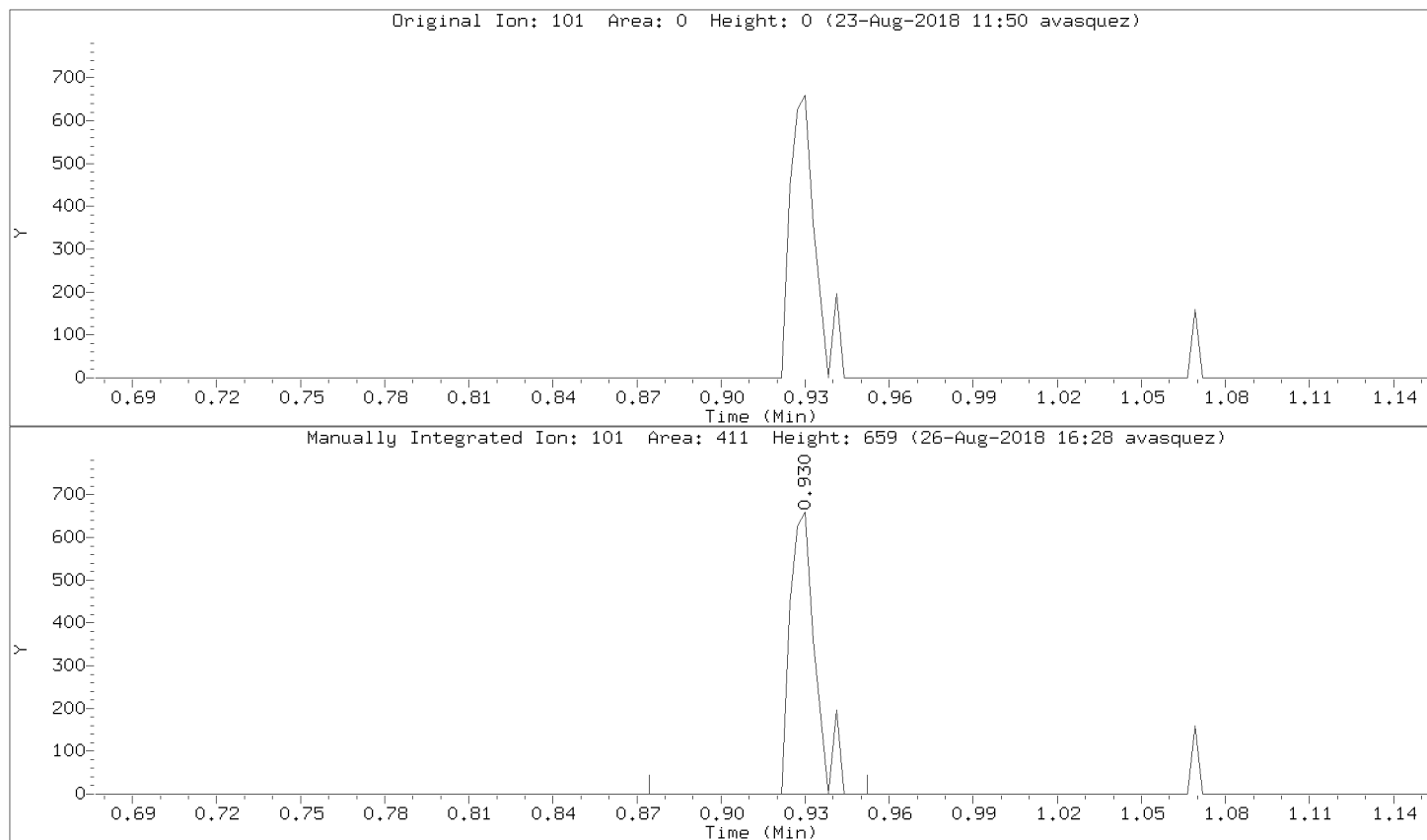


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

Compound: Dichlorodifluoromethane Review Code: LT
CAS Number: 75-71-8



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Lab Sample ID: 8260-CAL3



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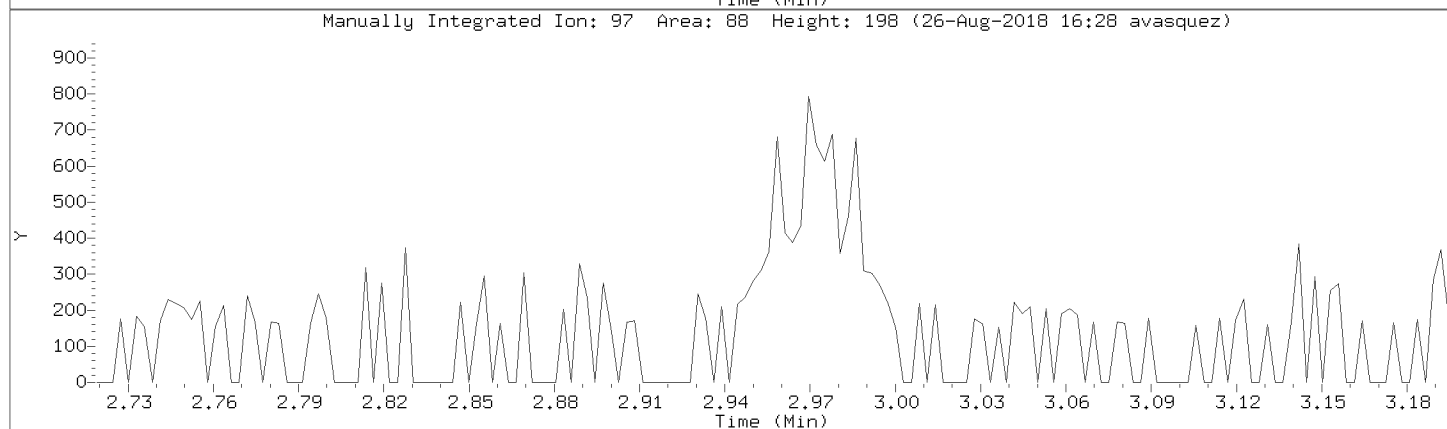
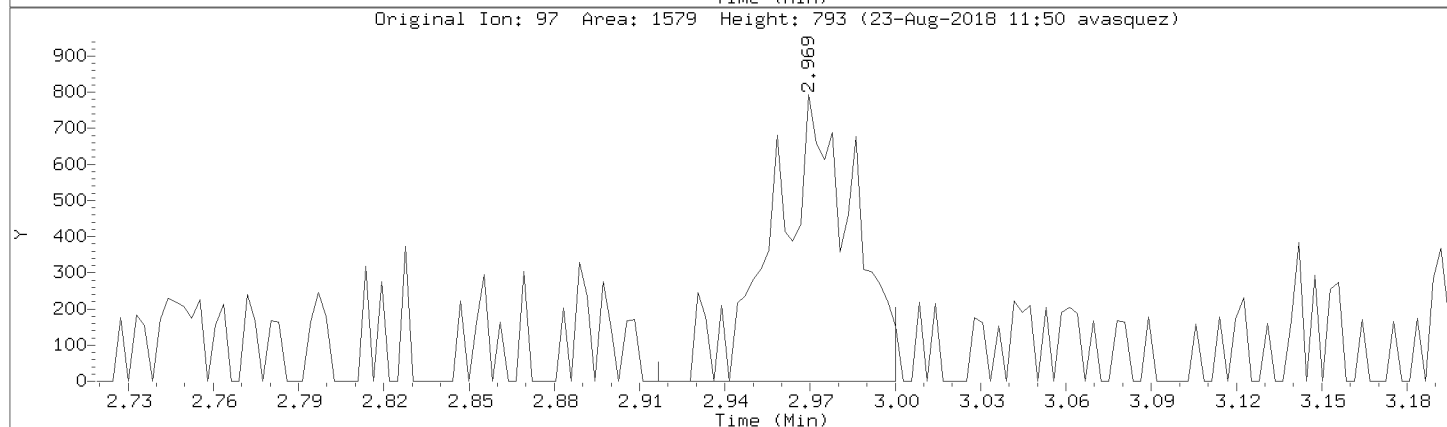
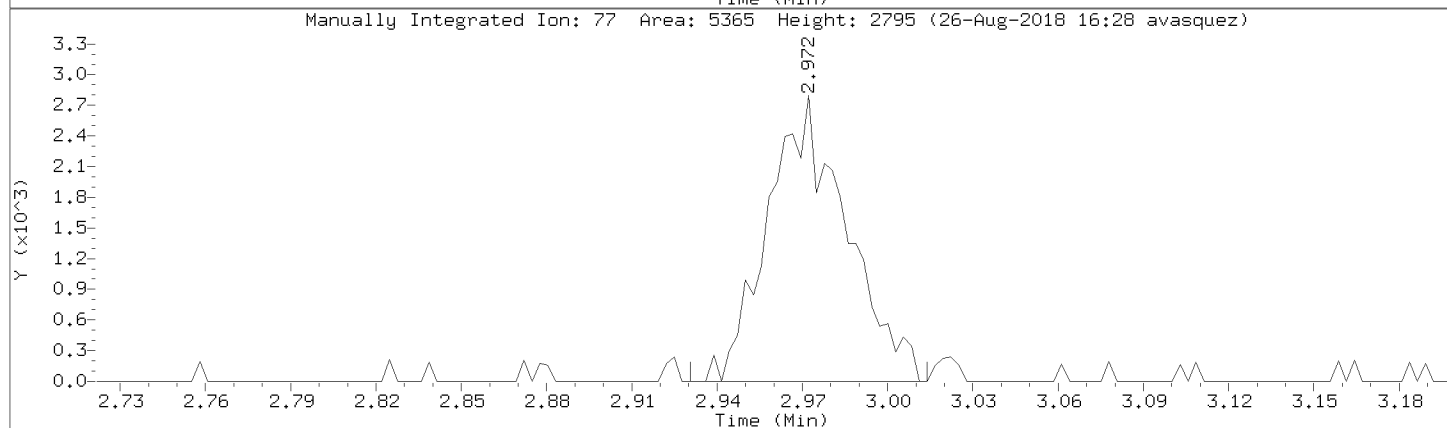
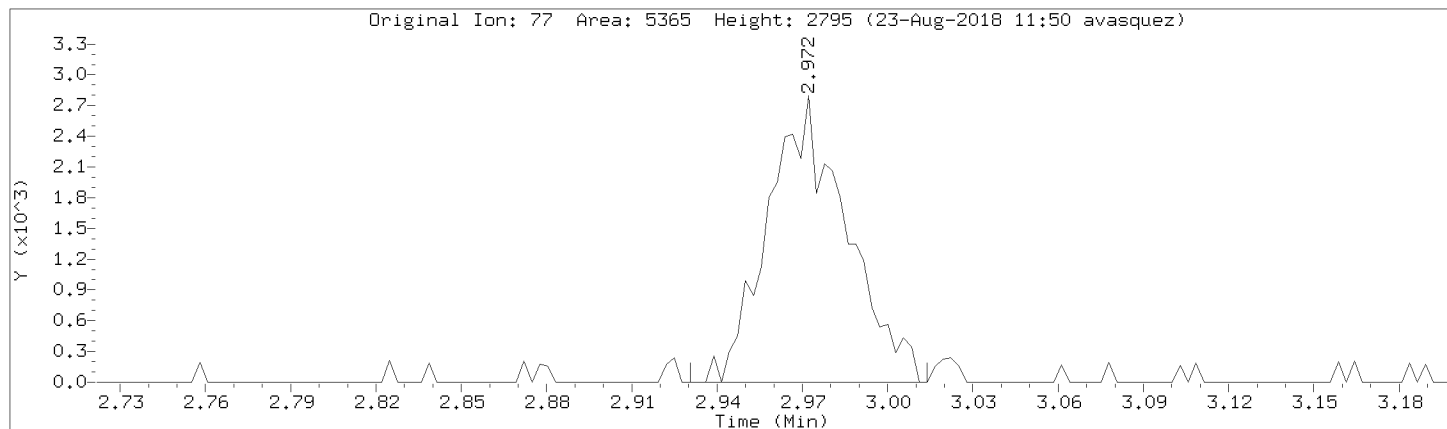
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: 2,2-Dichloropropane

Review Code: WP

CAS Number: 594-20-7



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Injection Date: 22-AUG-2018 15:24

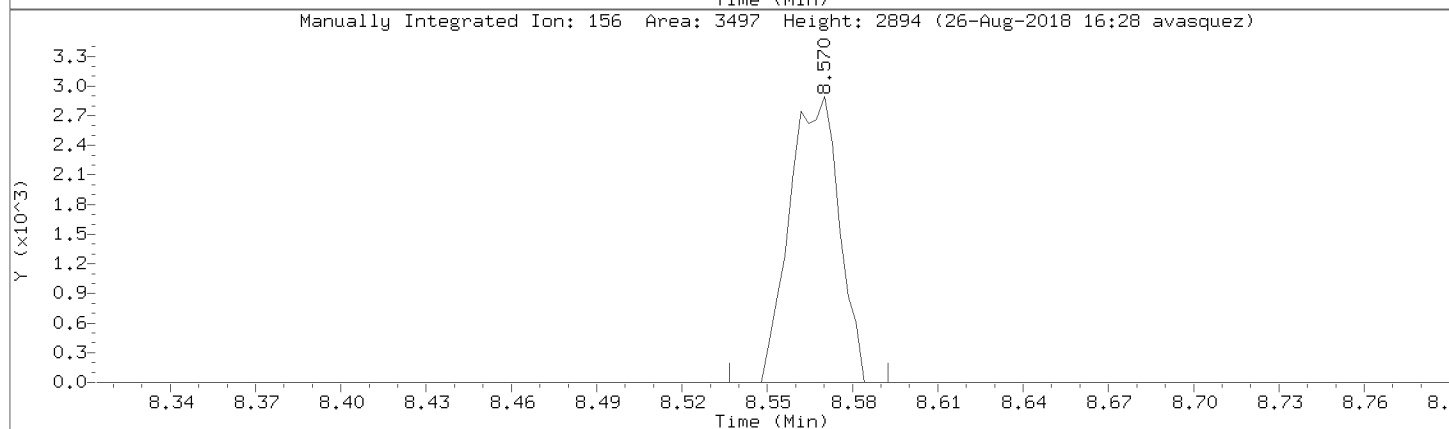
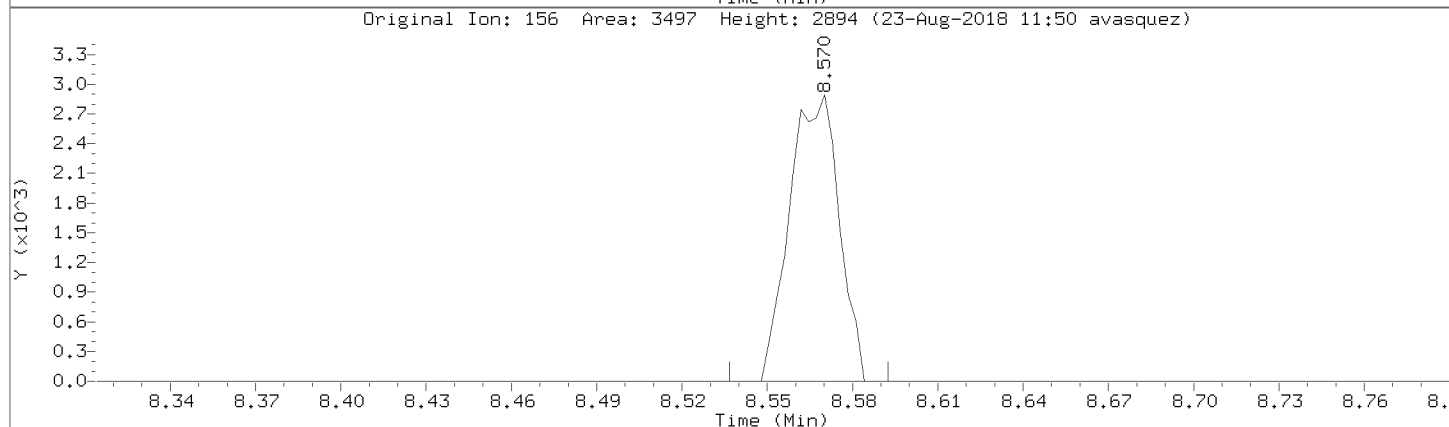
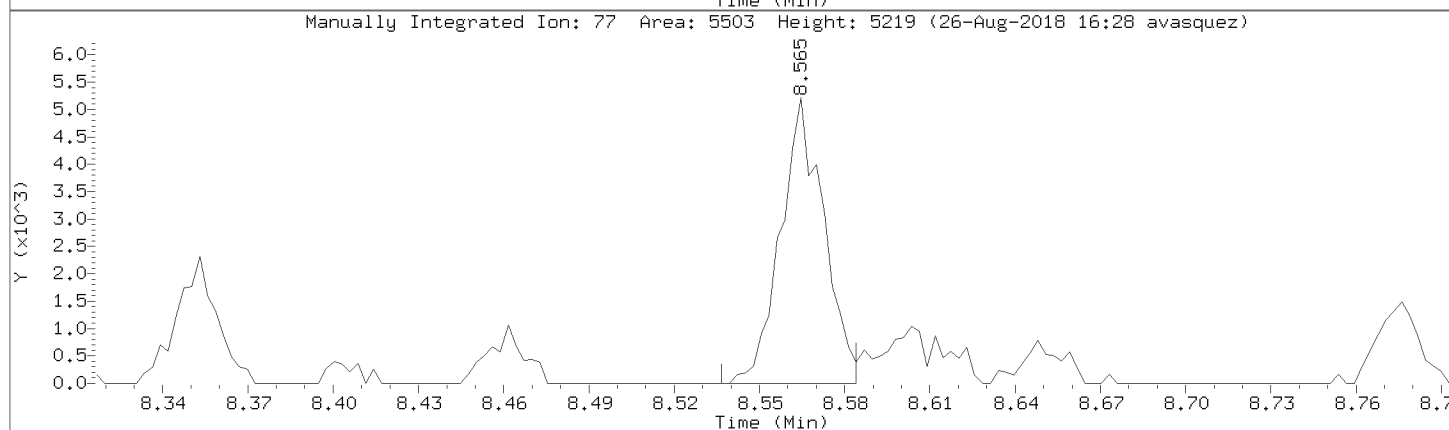
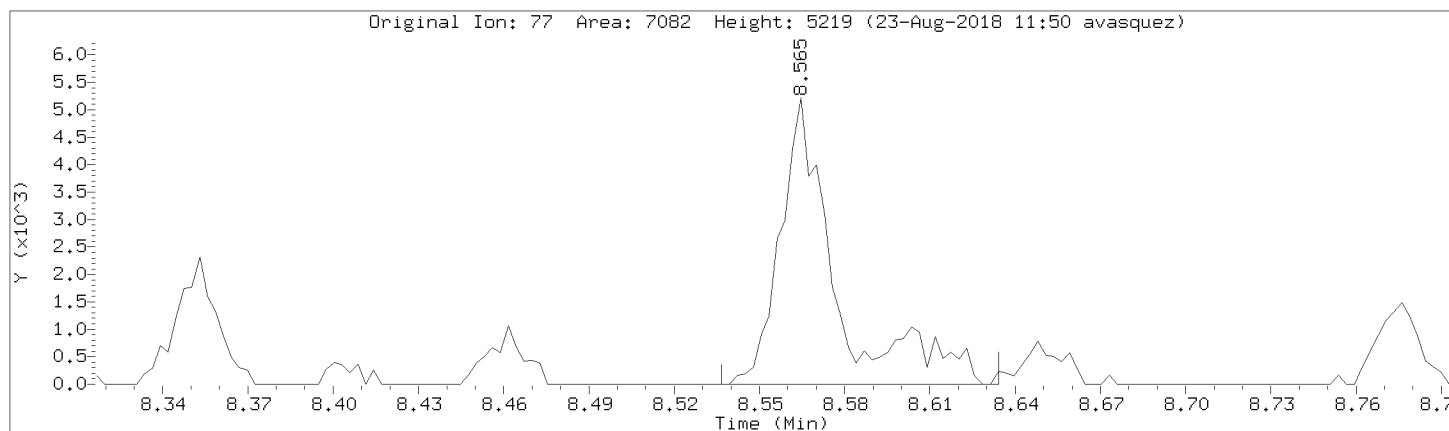
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: Bromobenzene

Review Code: GT

CAS Number: 108-86-1

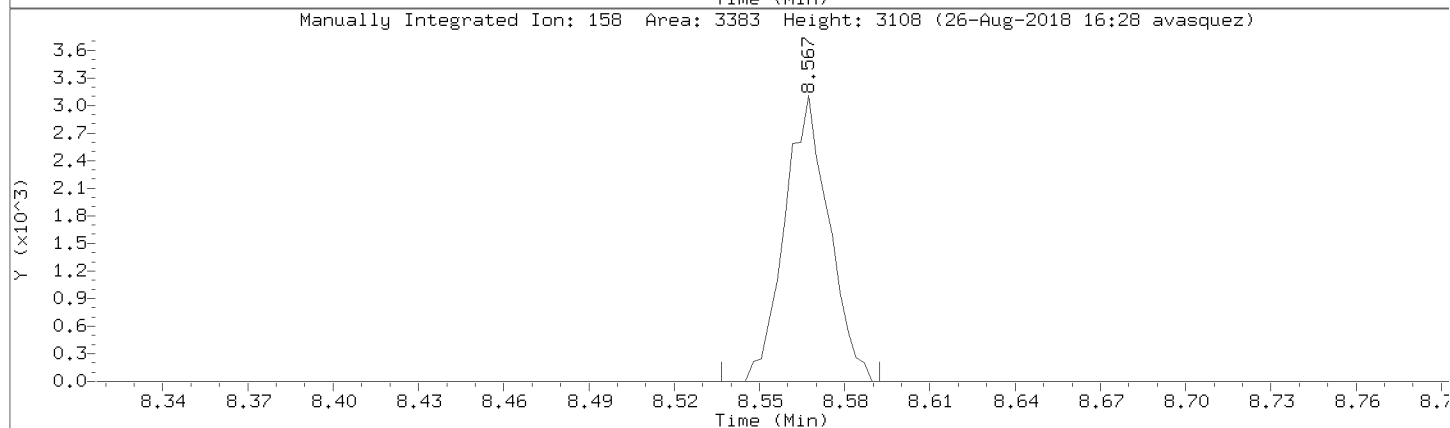
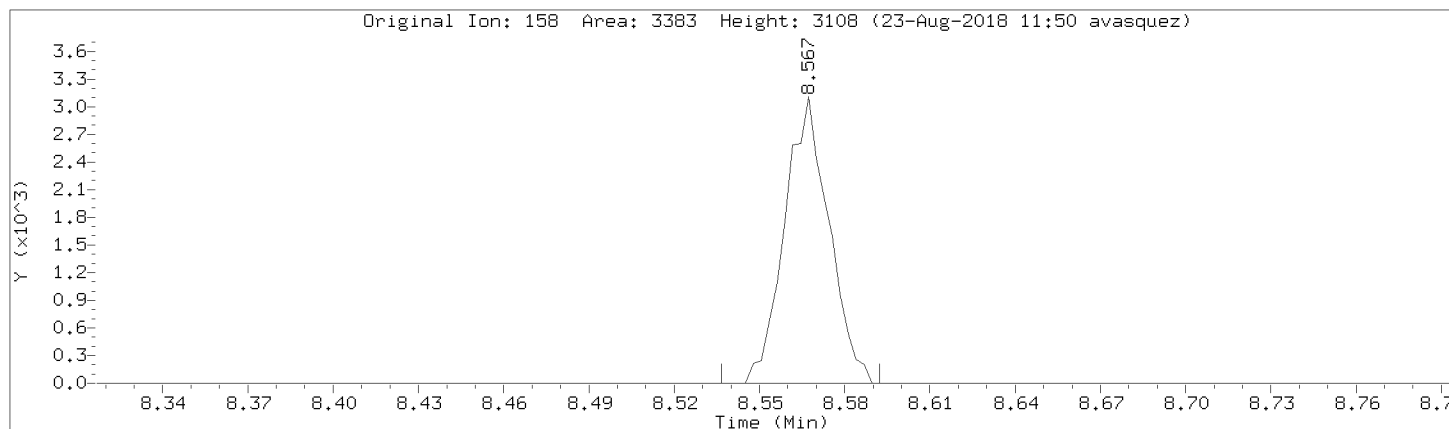


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Injection Date: 22-AUG-2018 15:24

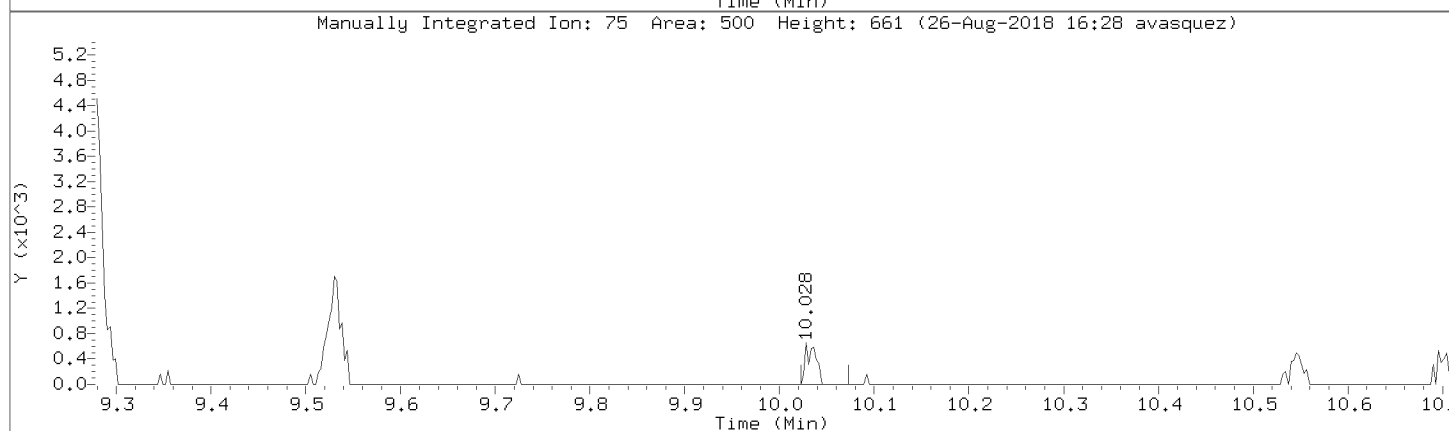
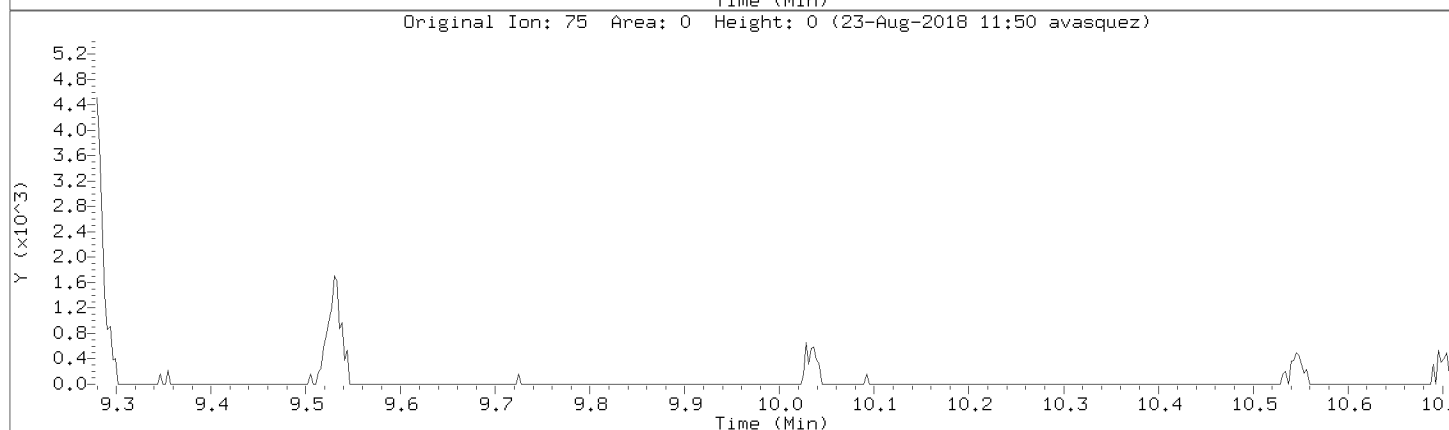
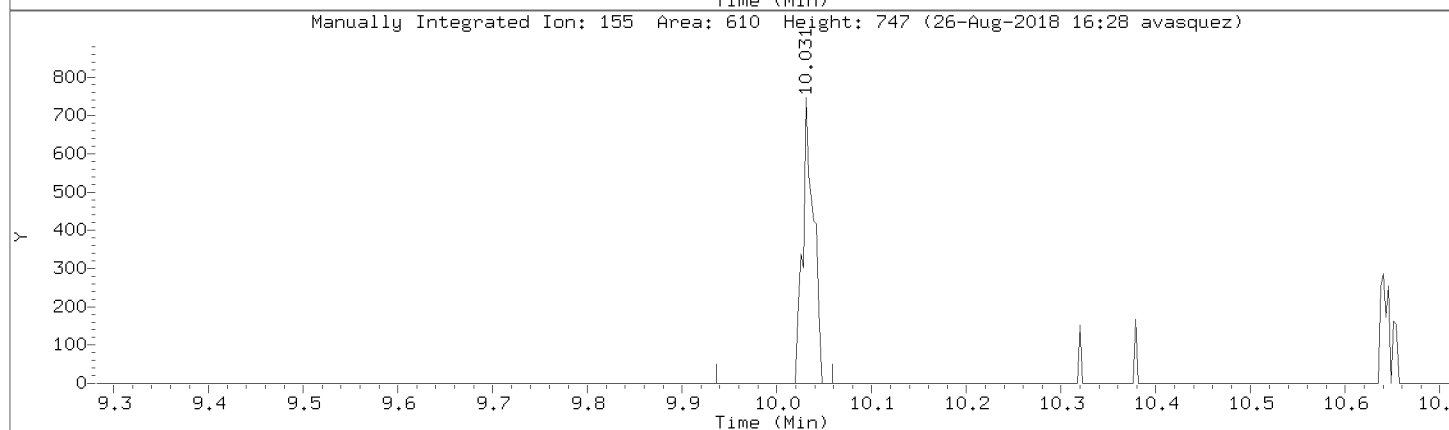
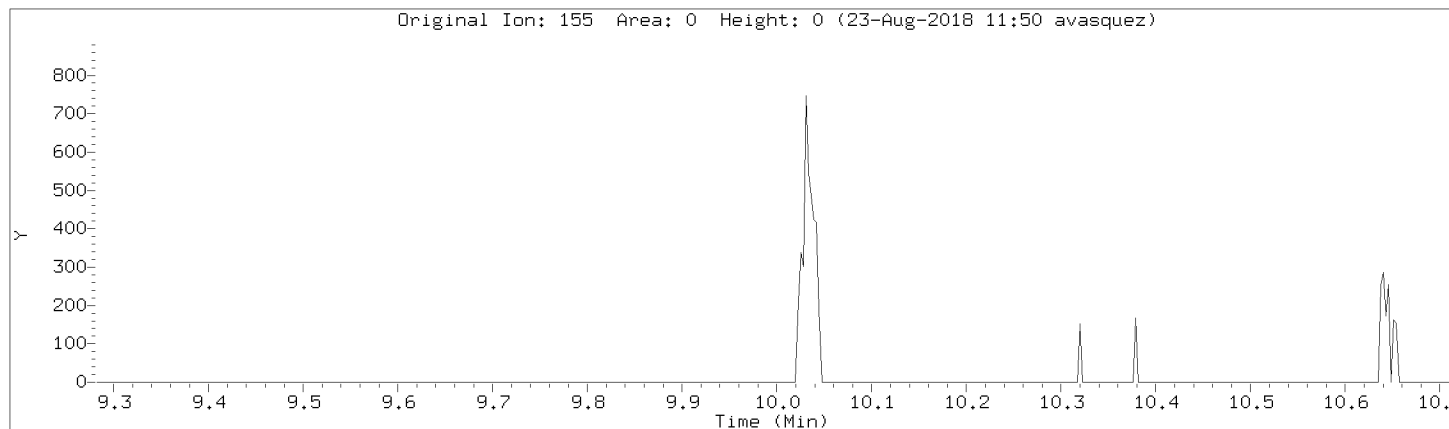
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Lab Sample ID: 8260-CAL3

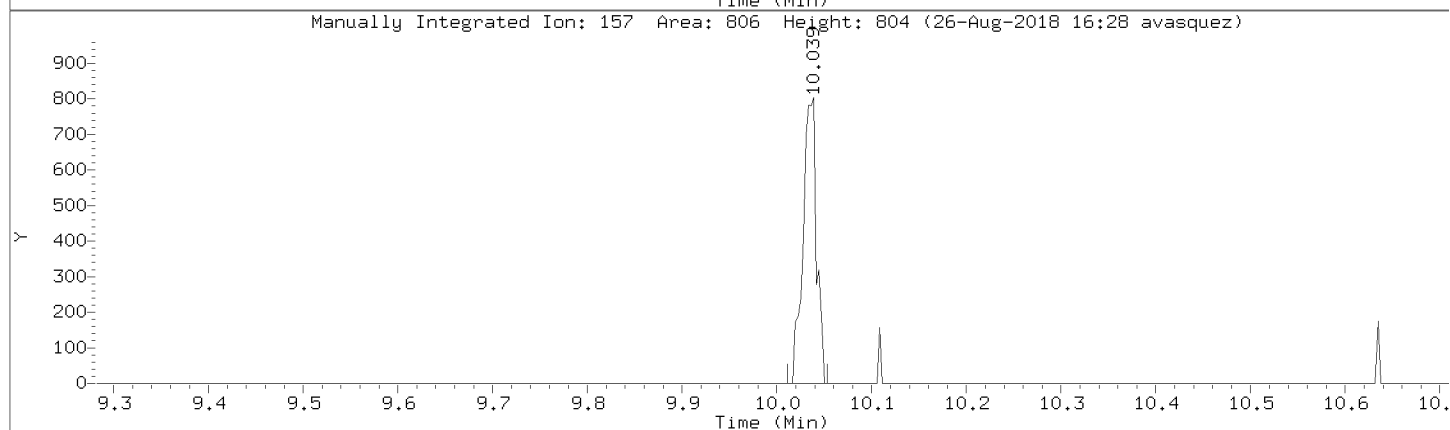
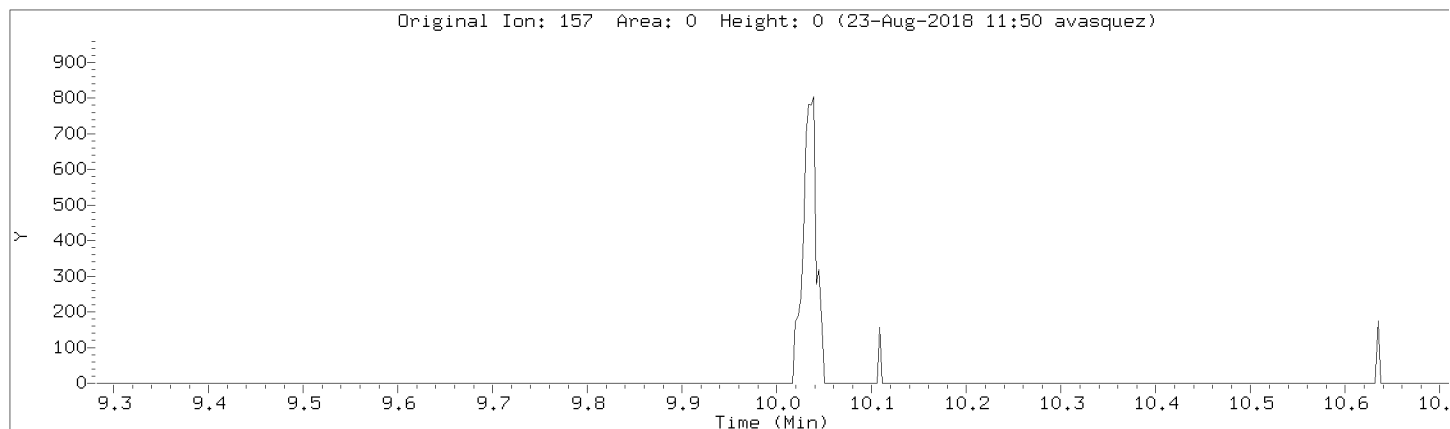


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Lab Sample ID: 8260-CAL3

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



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



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Injection Date: 22-AUG-2018 15:24

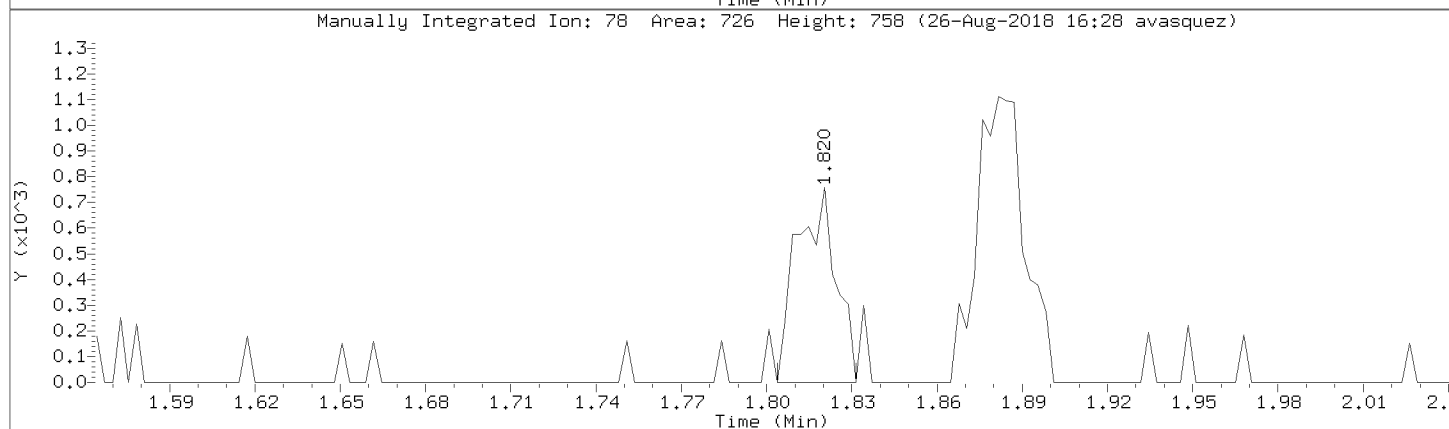
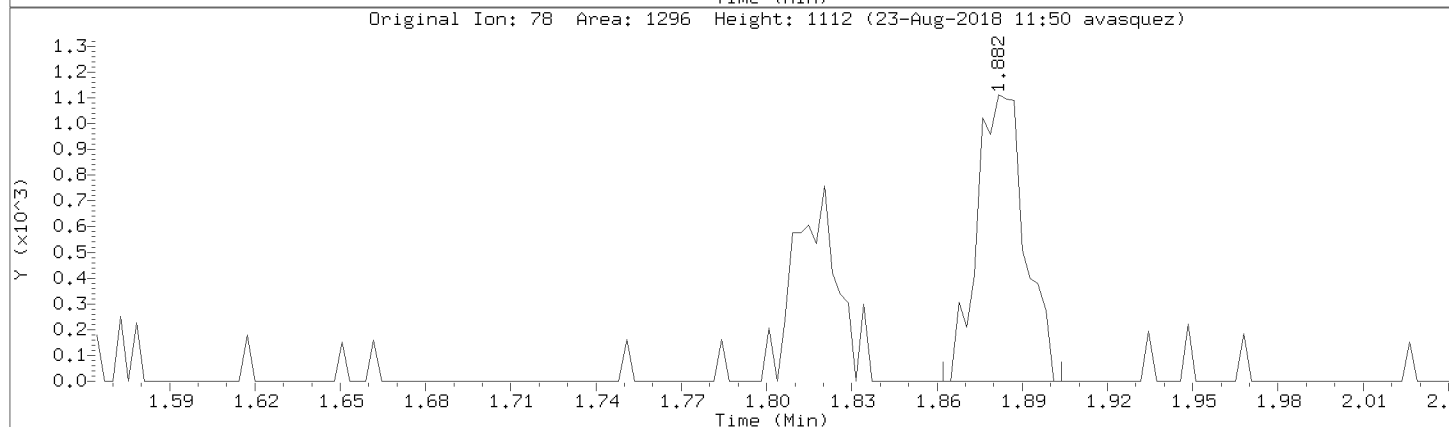
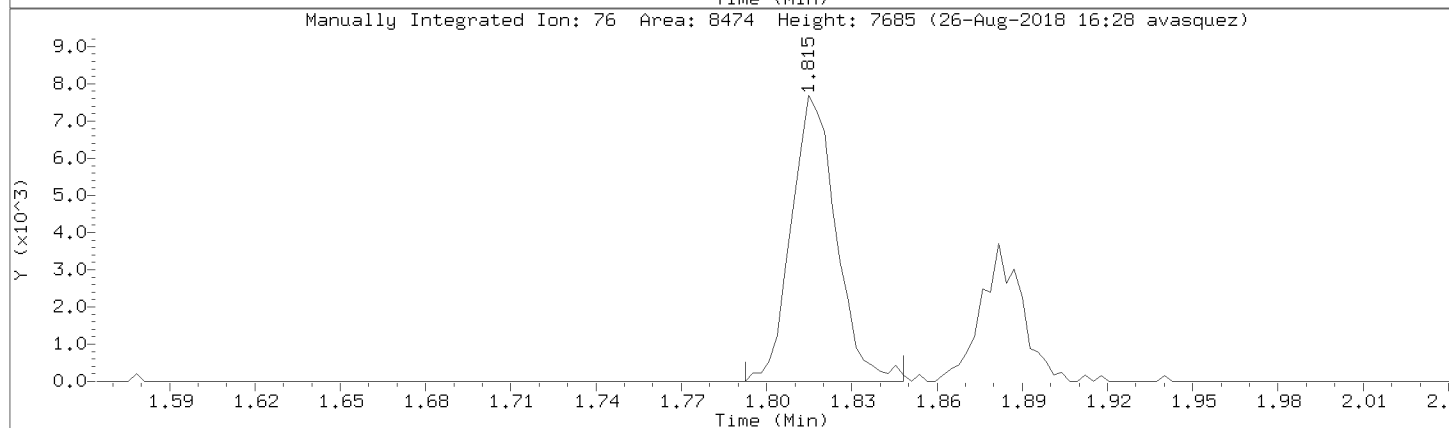
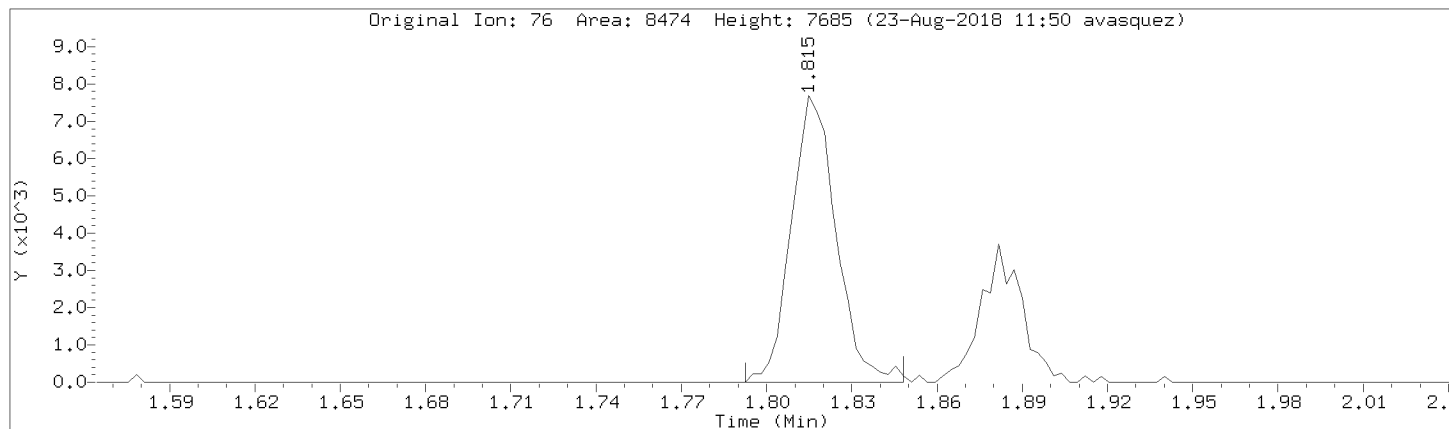
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Lab Sample ID: 8260-CAL3

Compound: Carbon Disulfide

Review Code: NI

CAS Number: 75-15-0



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Injection Date: 22-AUG-2018 15:24

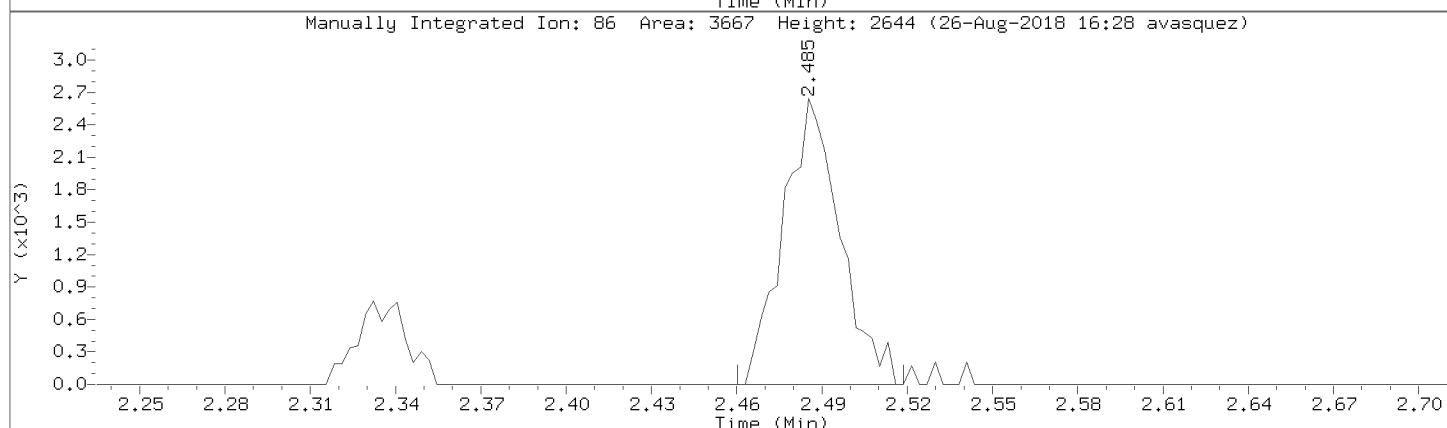
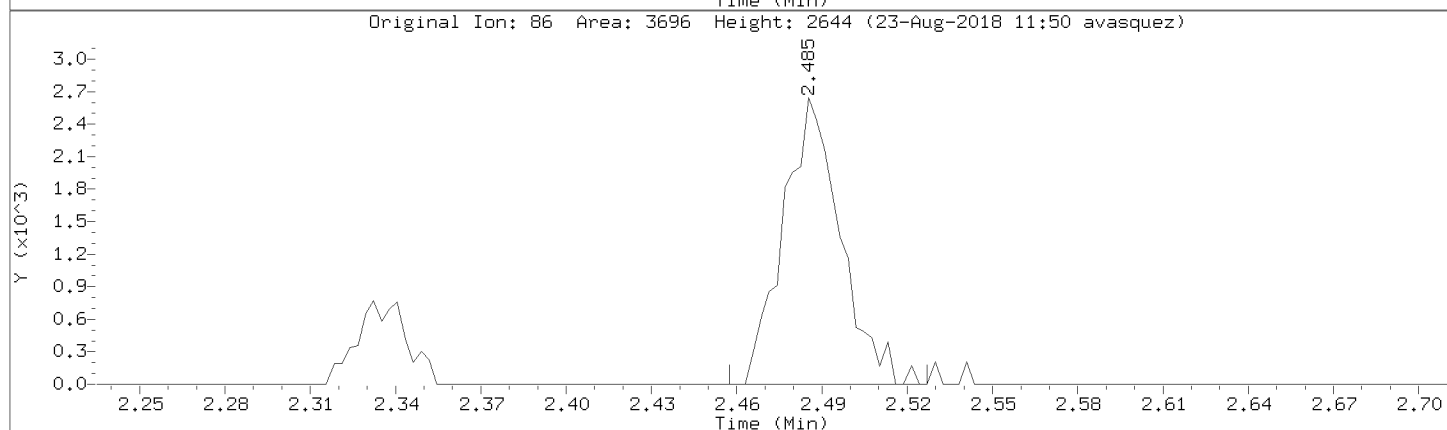
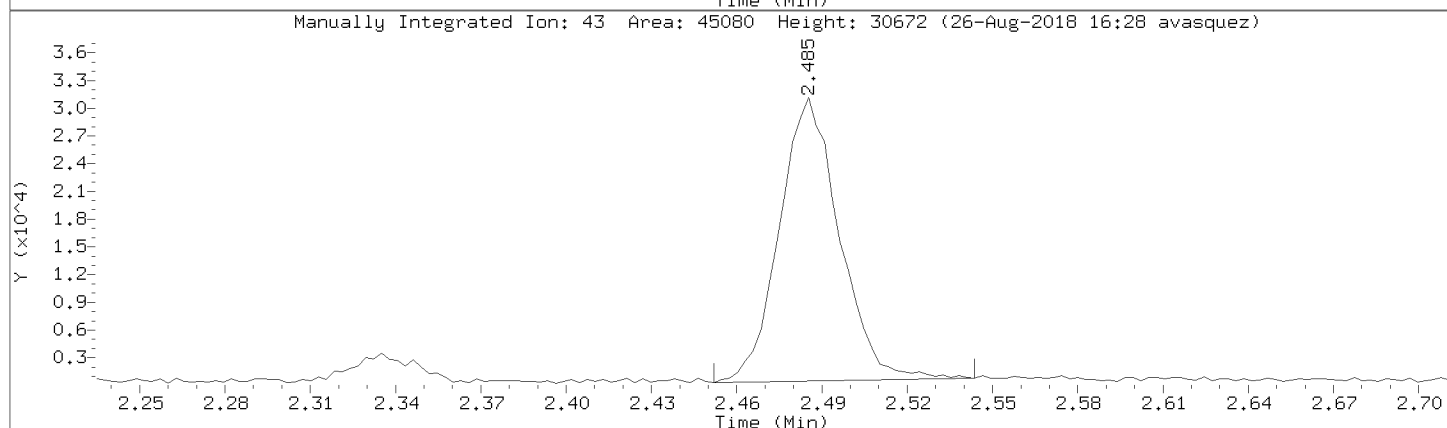
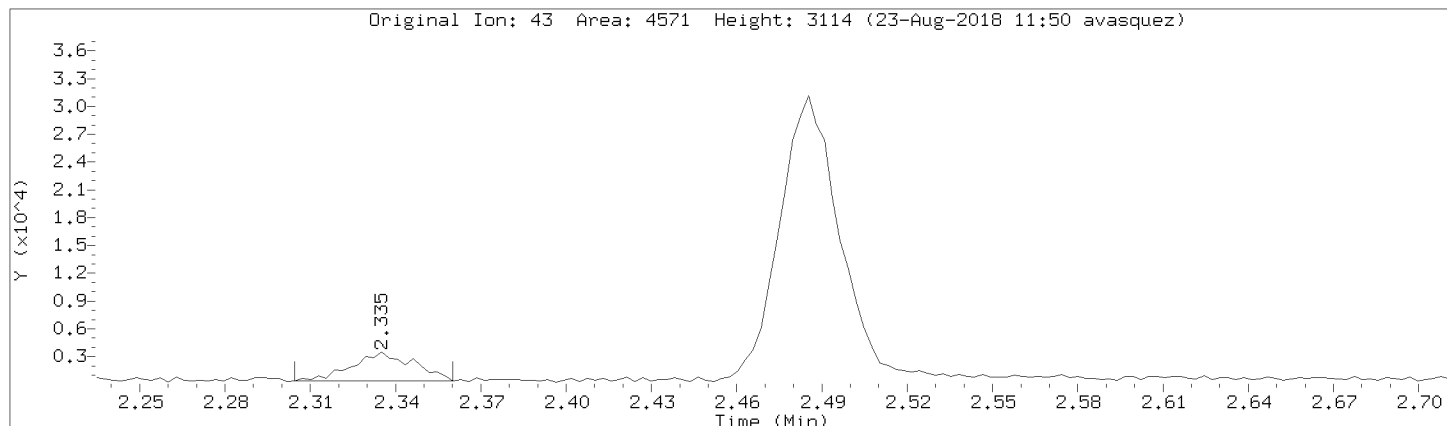
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: Vinyl Acetate

Review Code: NI

CAS Number: 108-05-4



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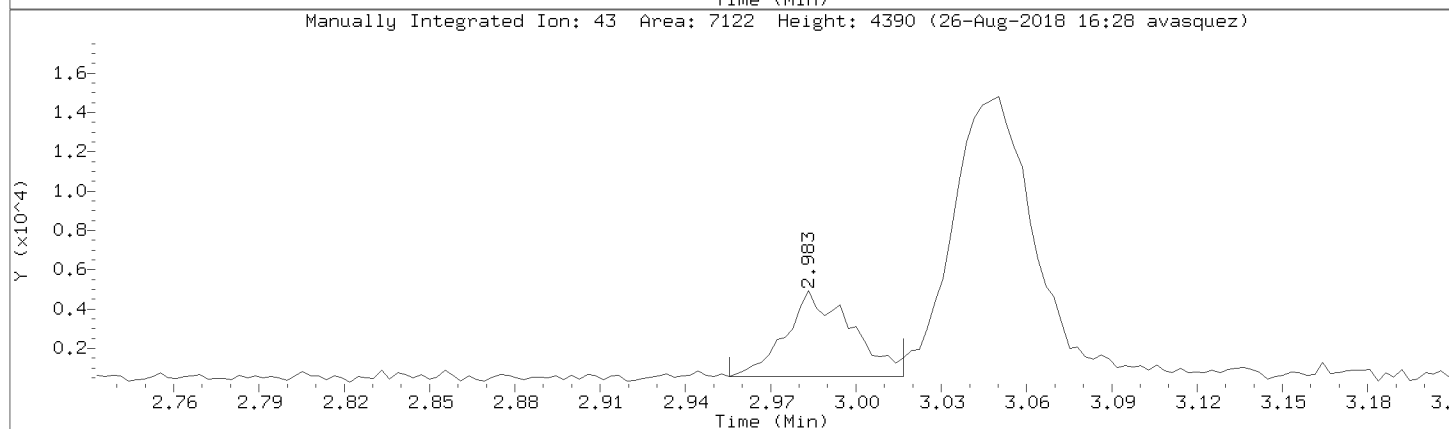
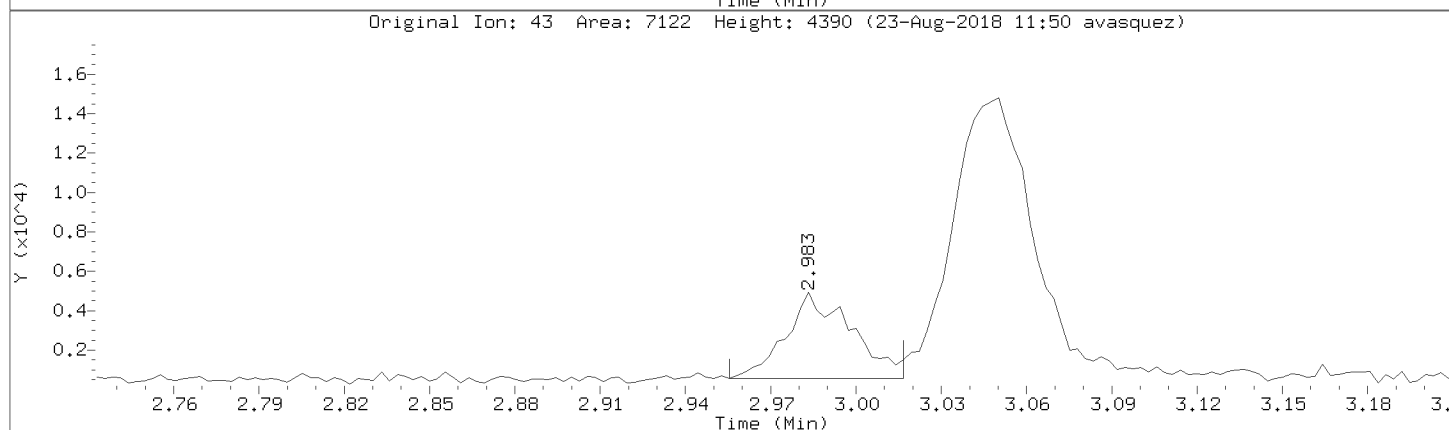
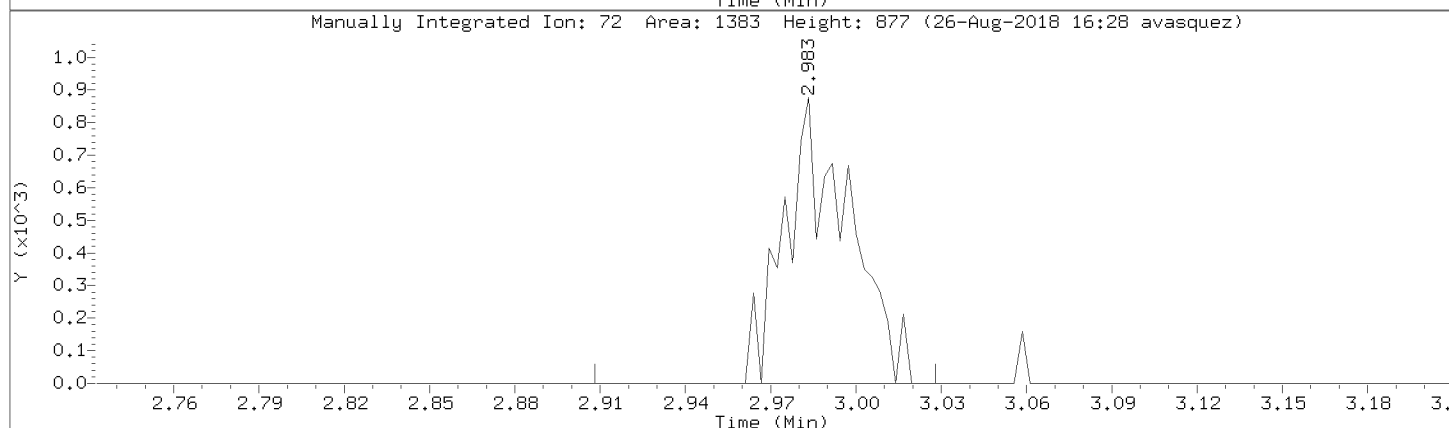
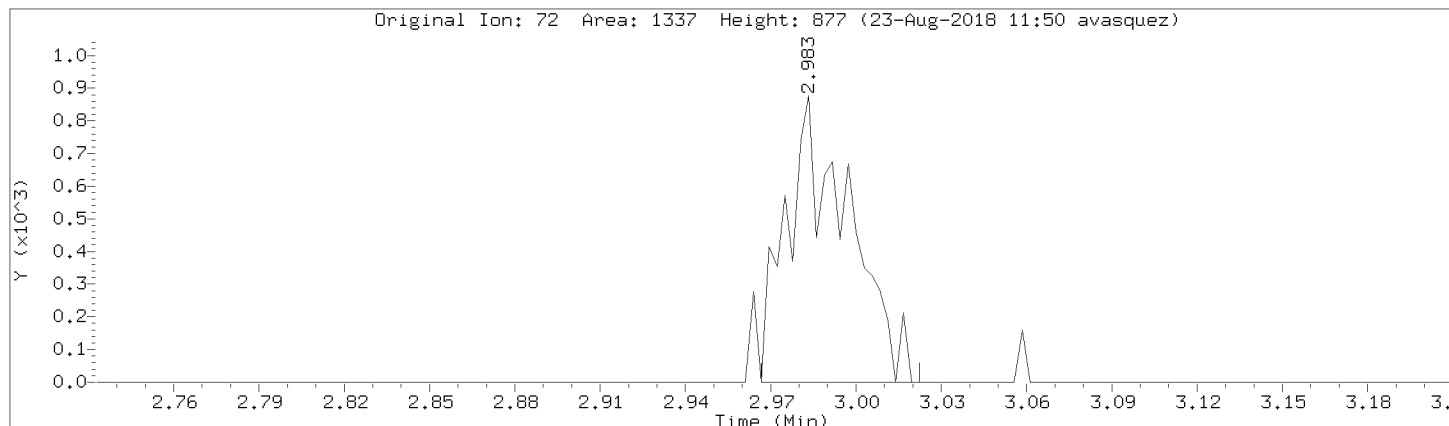
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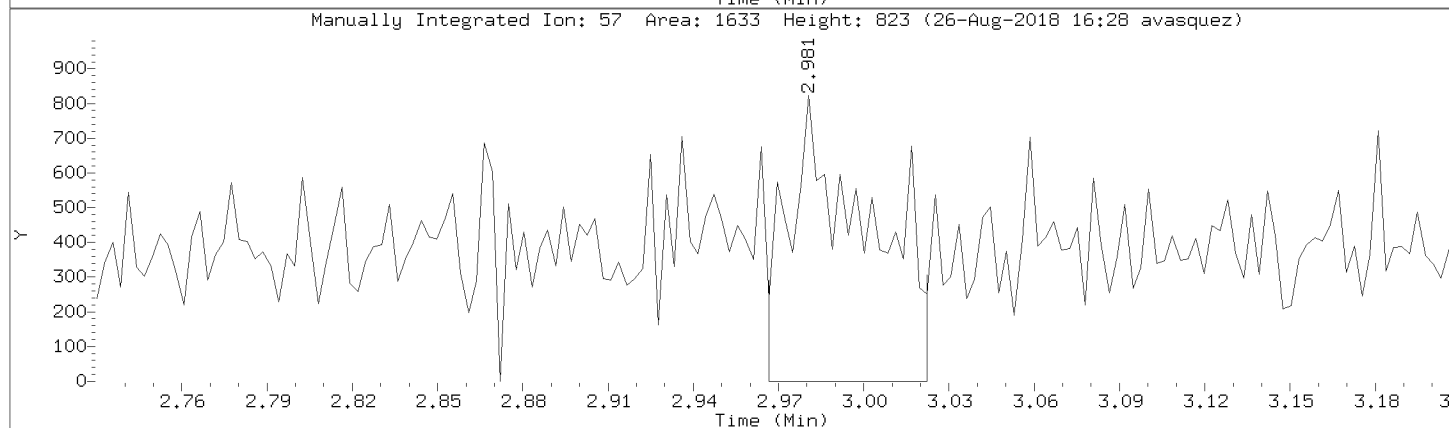
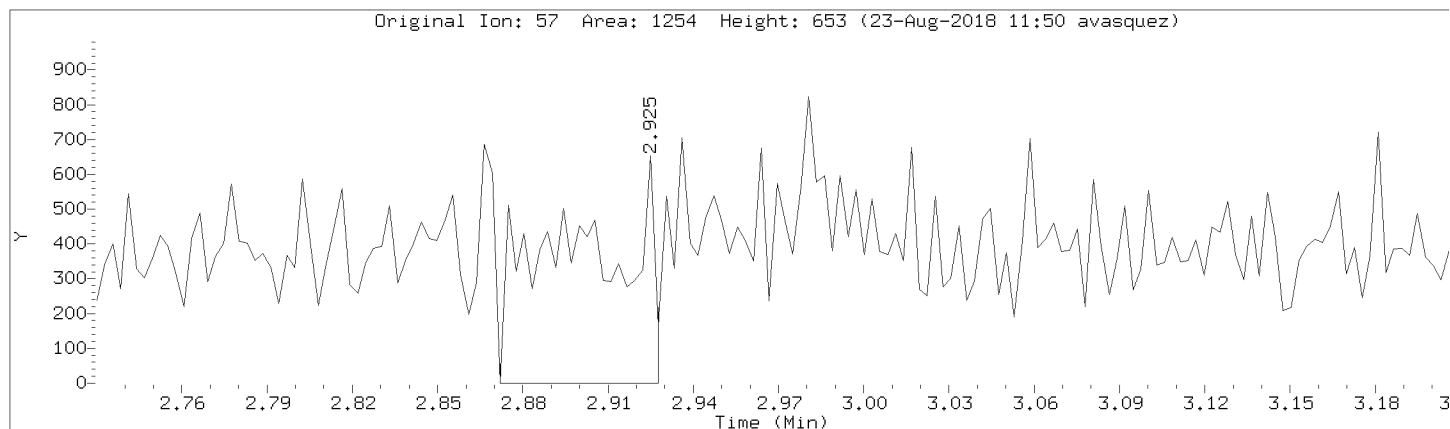
Lab Sample ID: 8260-CAL3

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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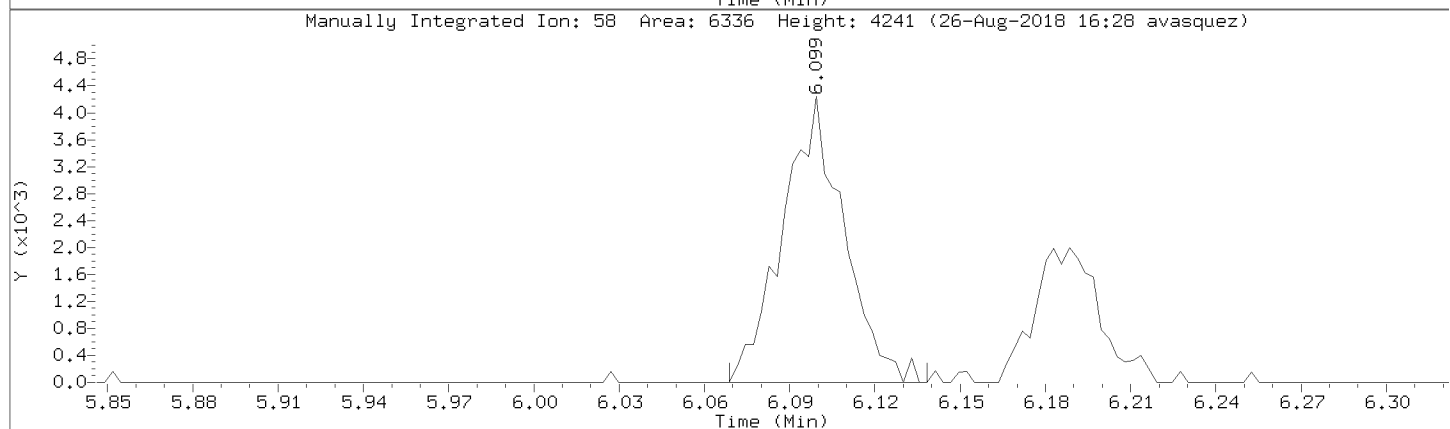
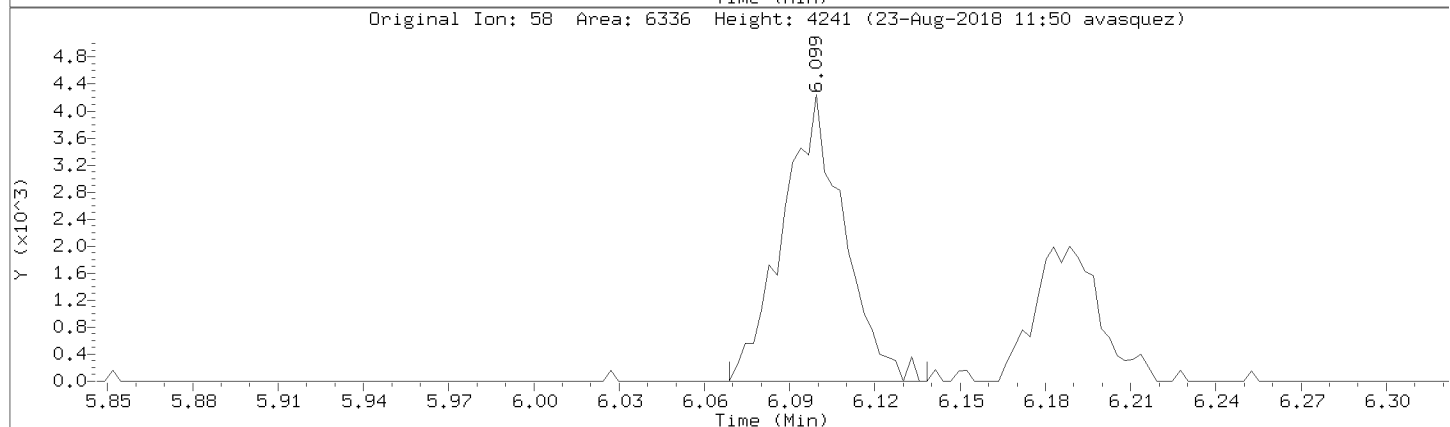
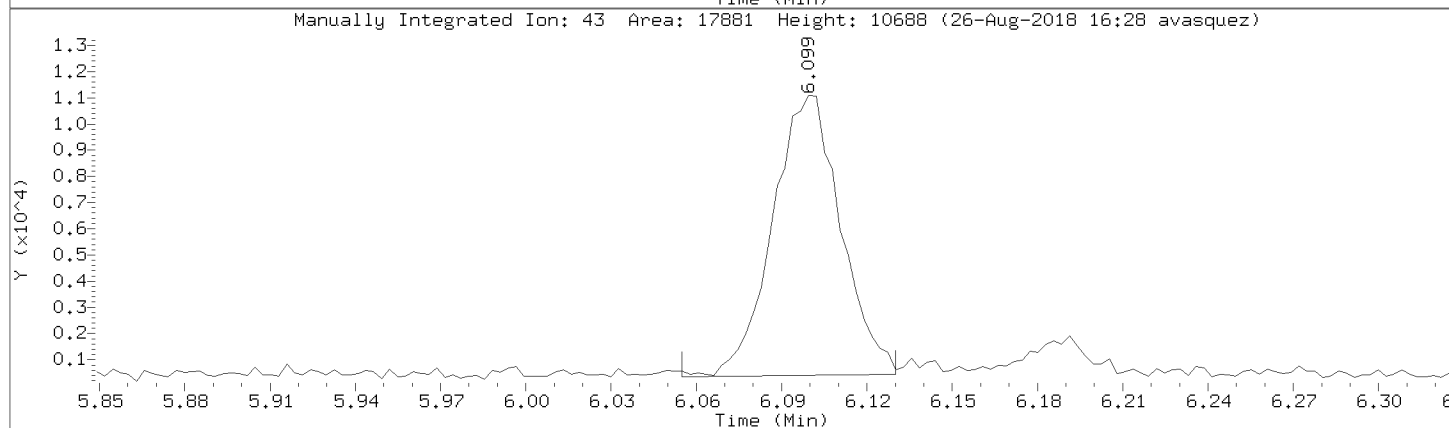
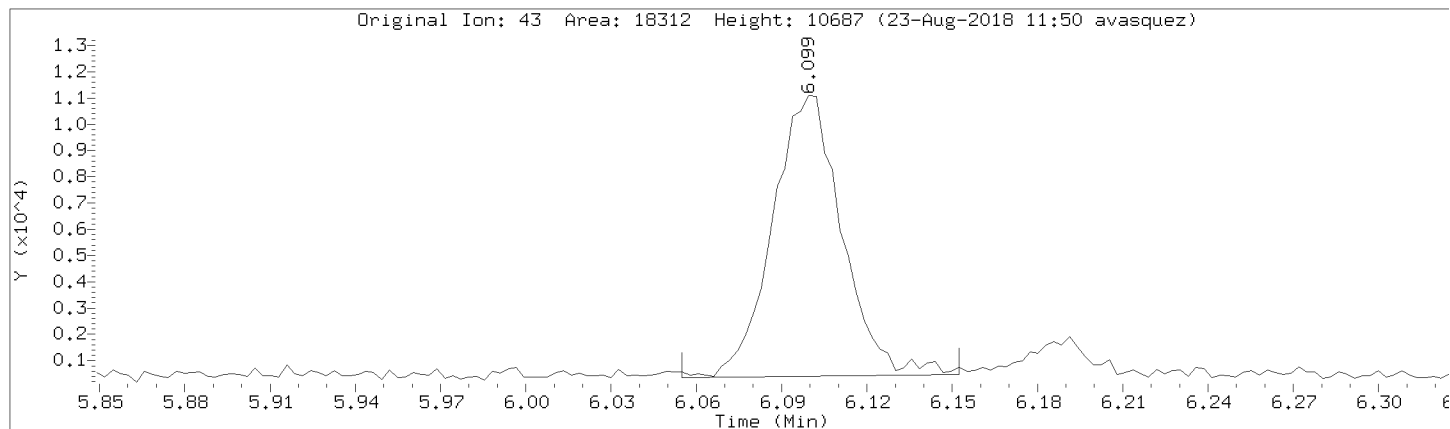
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: 4-Methyl-2-Pentanone

Review Code:

CAS Number: 108-10-1

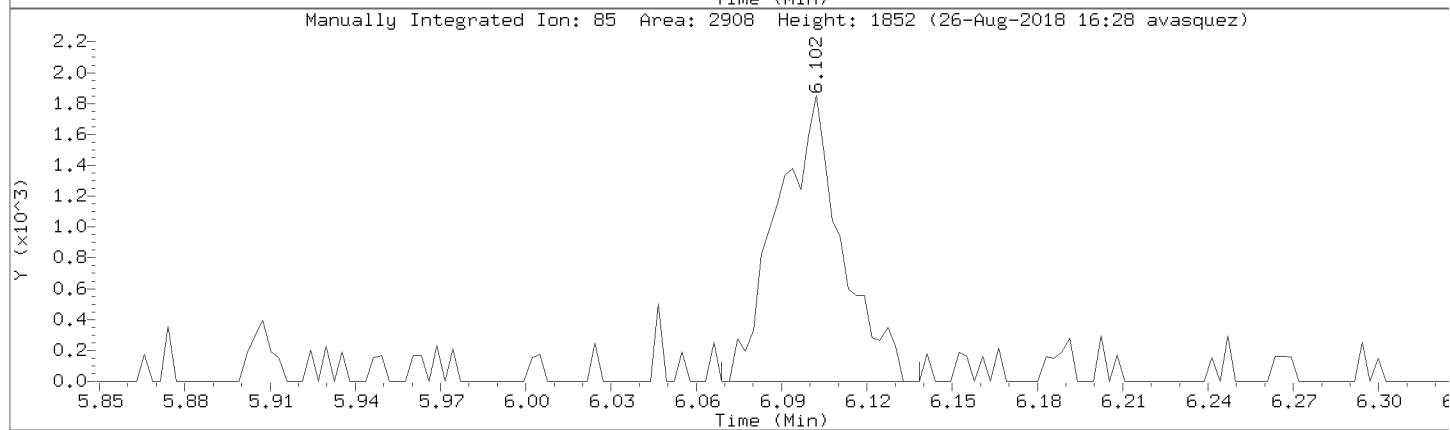
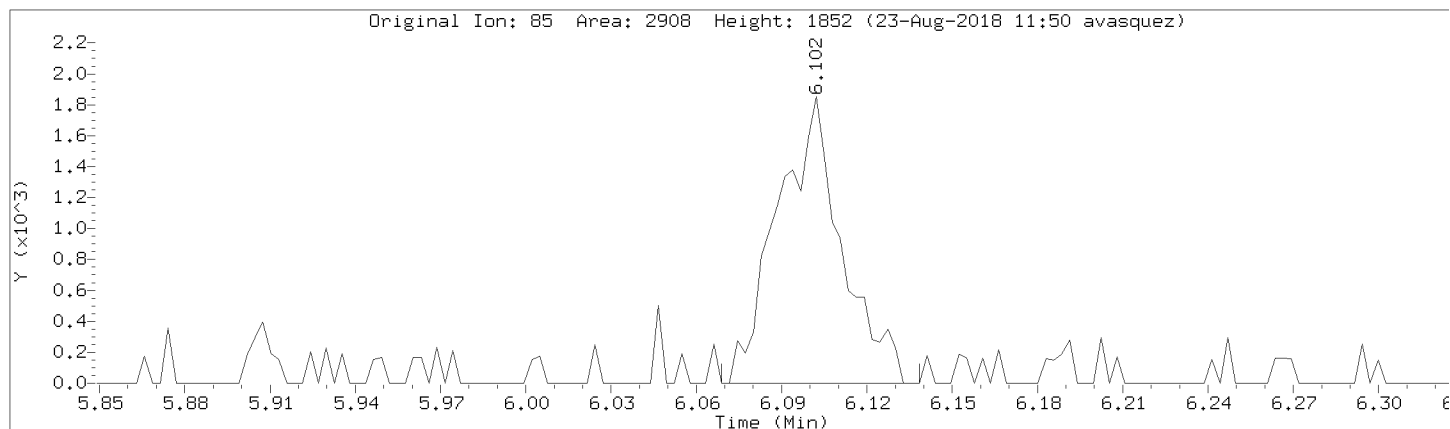


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Injection Date: 22-AUG-2018 15:24

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3



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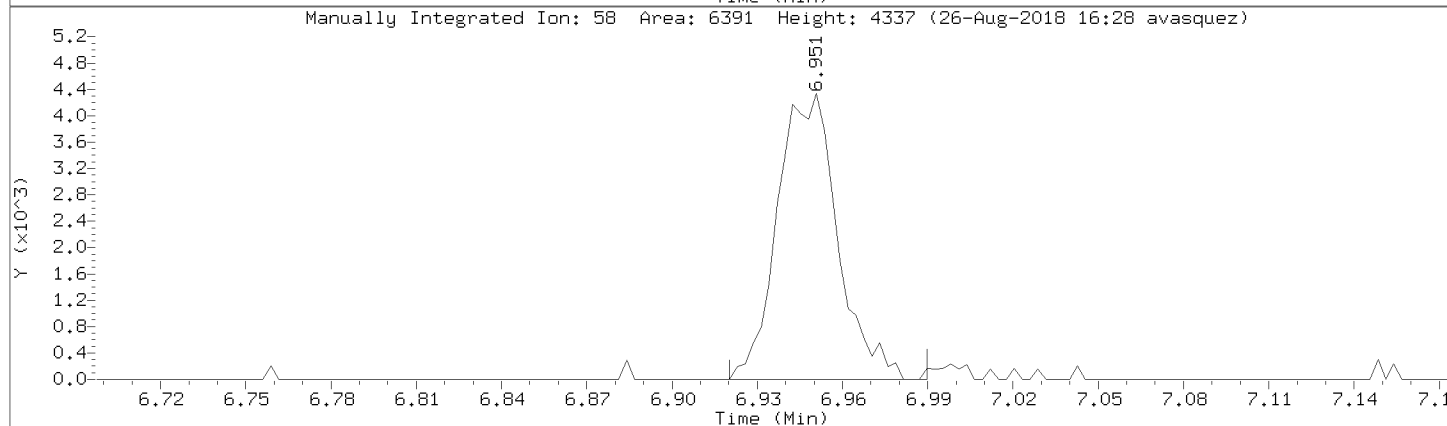
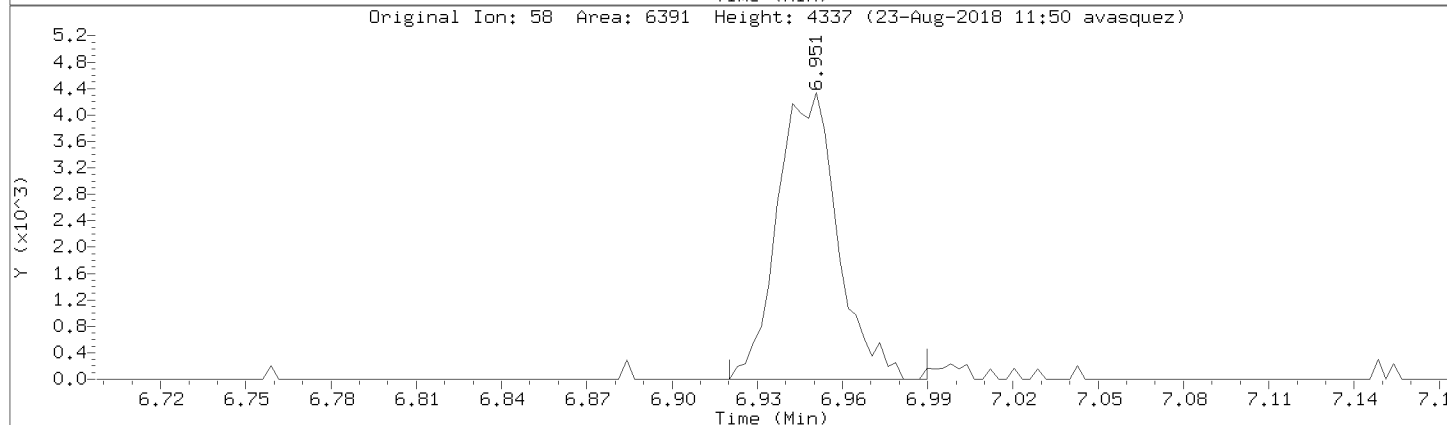
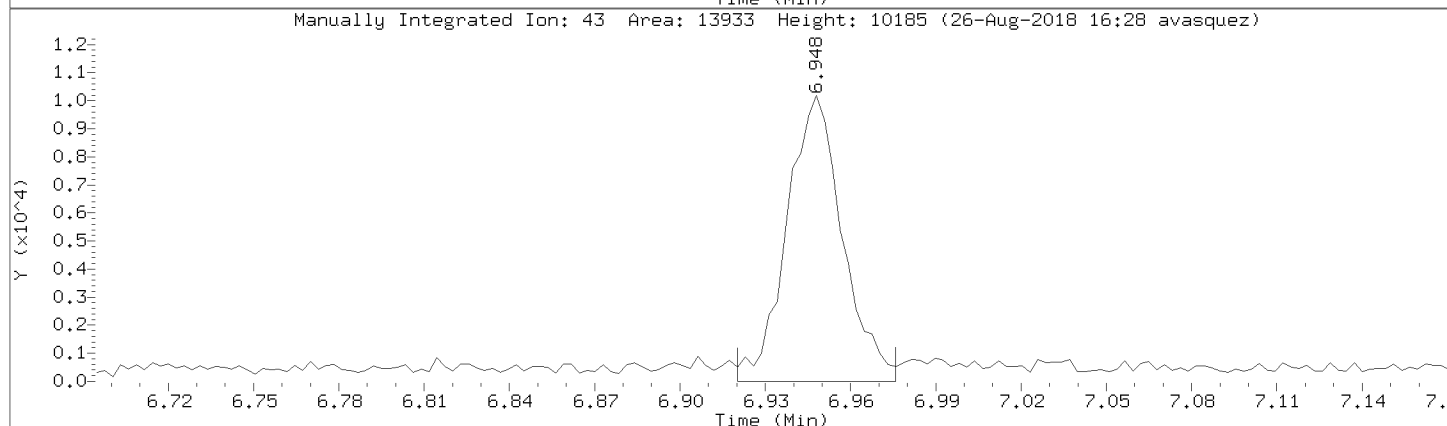
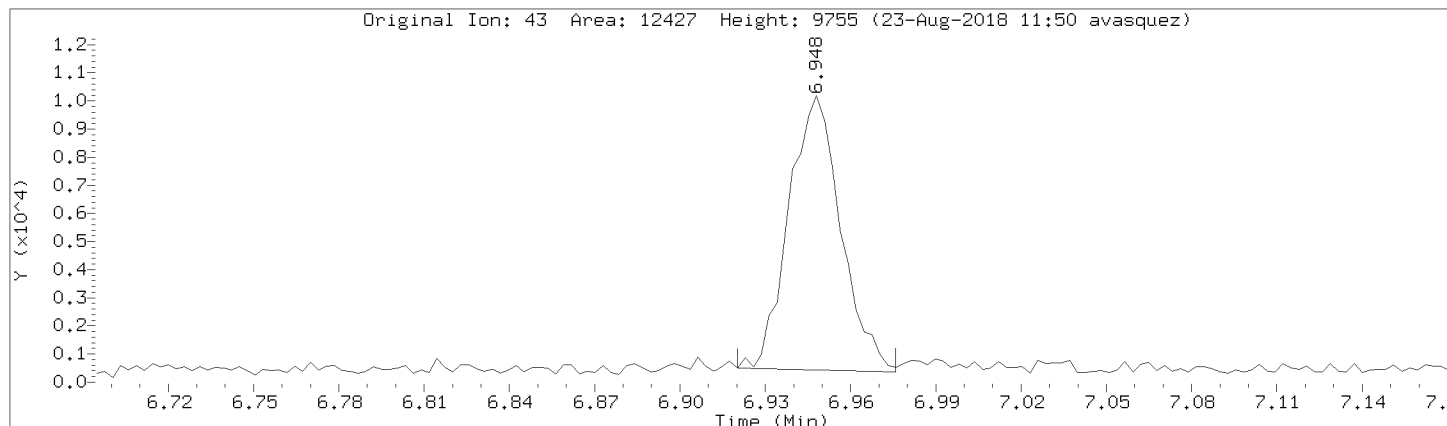
Injection Date: 22-AUG-2018 15:24

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: 2-Hexanone Review Code: BA

CAS Number: 591-78-6

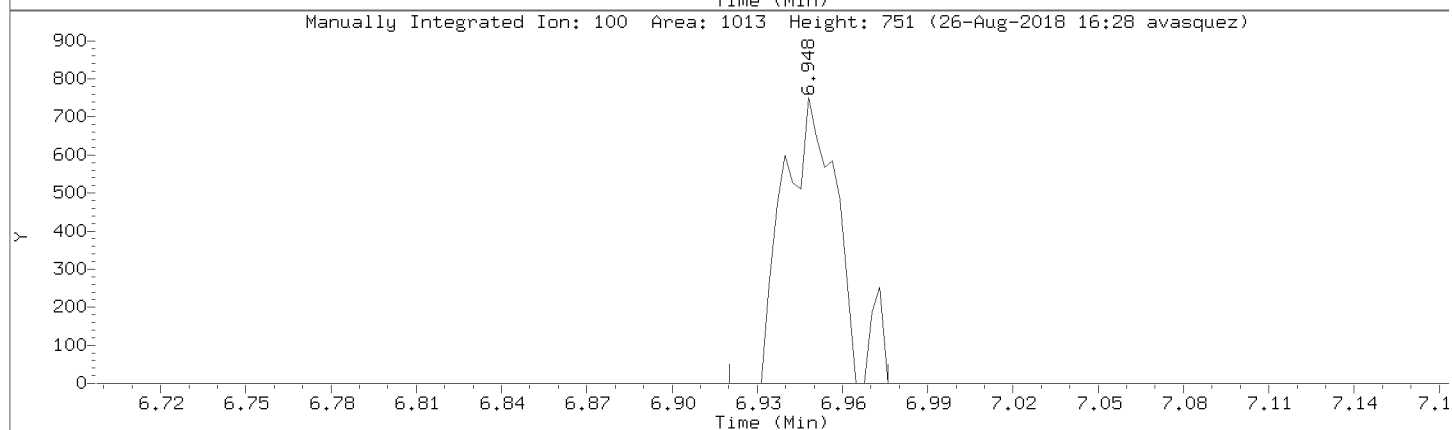
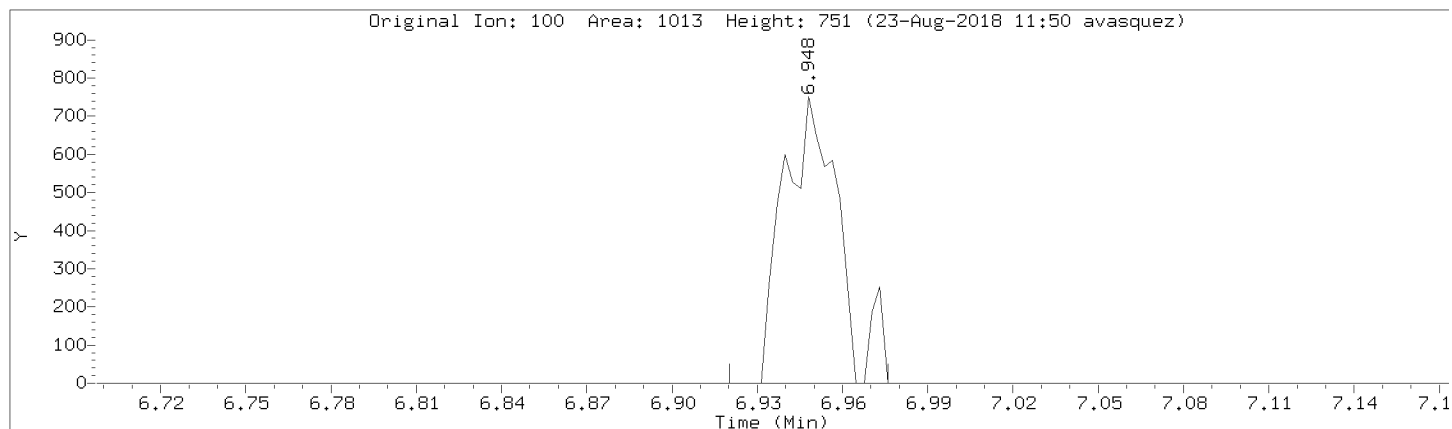


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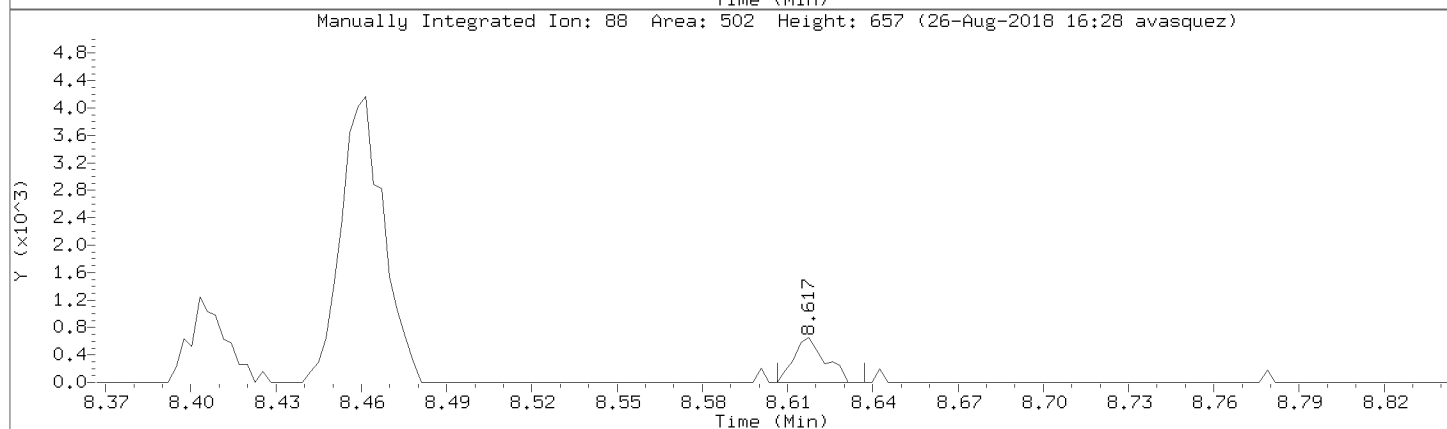
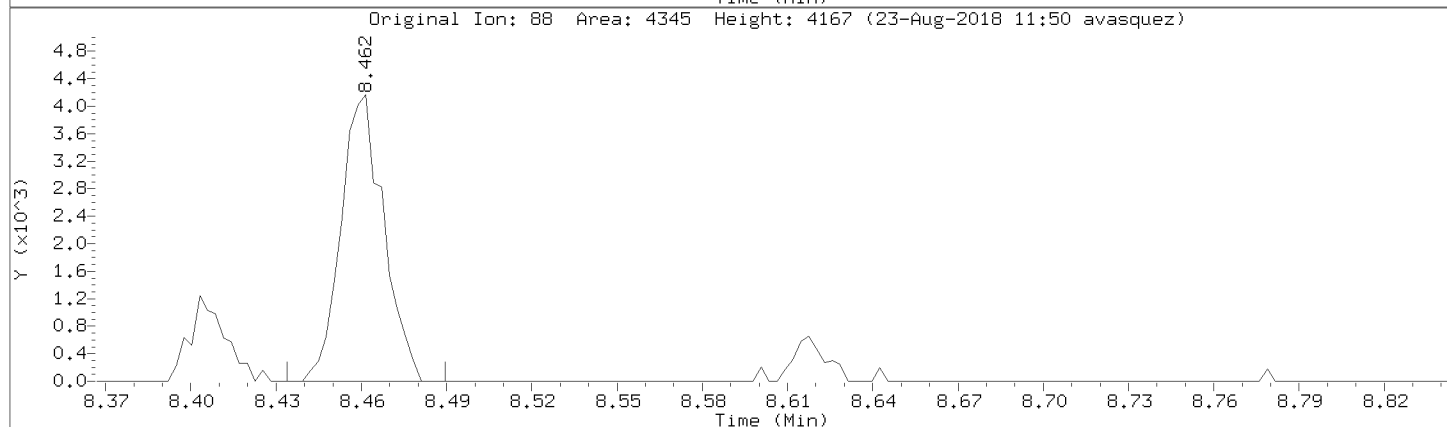
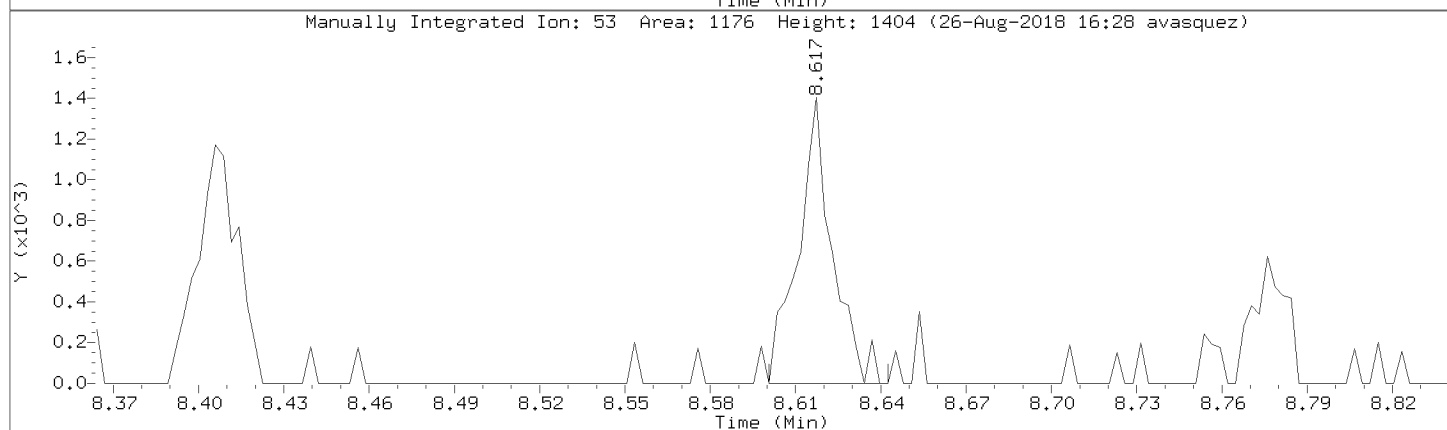
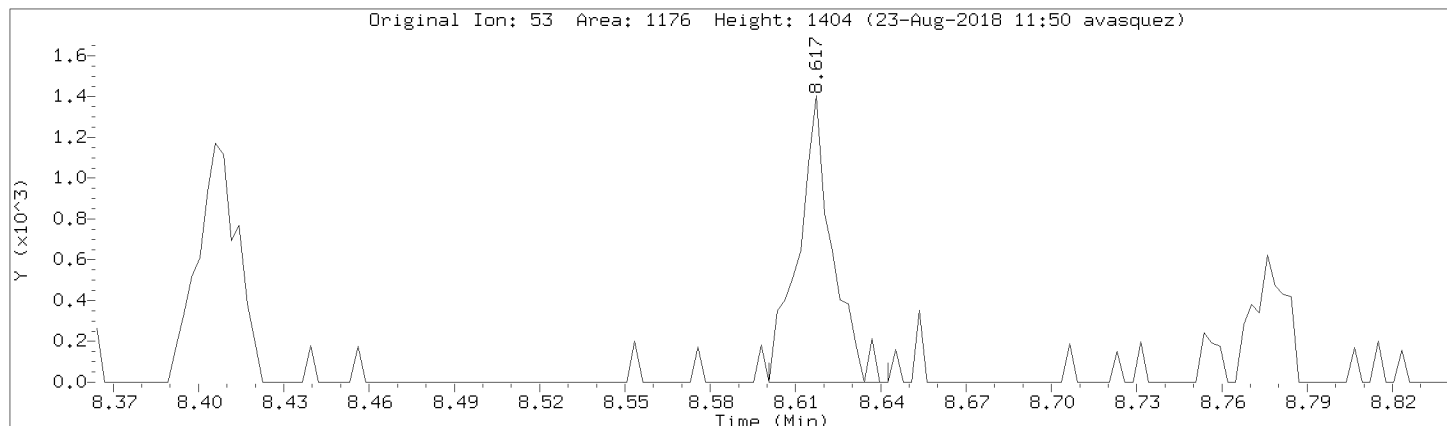
Instrument: 50mv2a.i

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

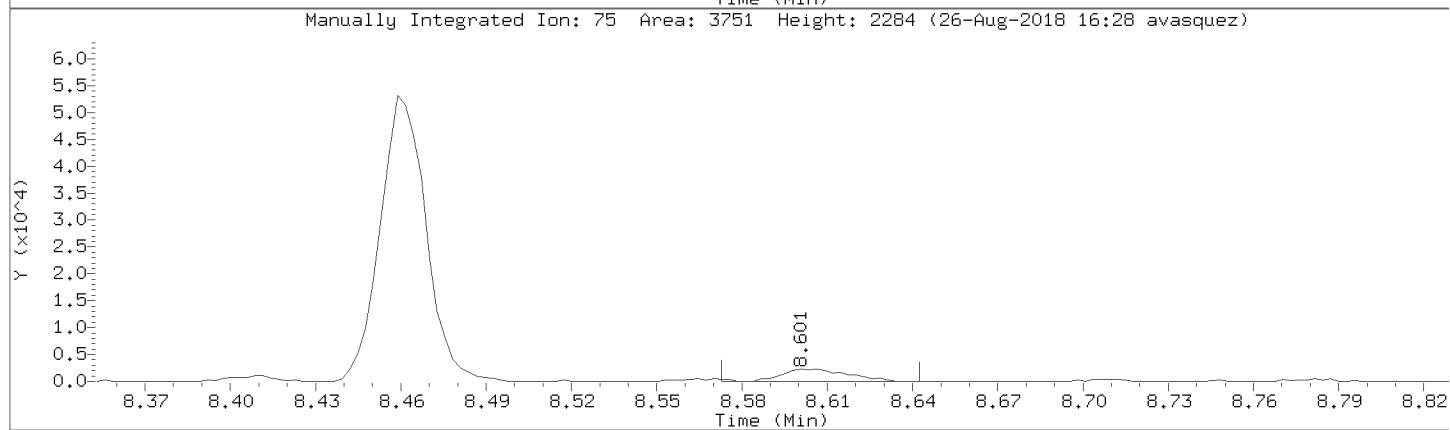
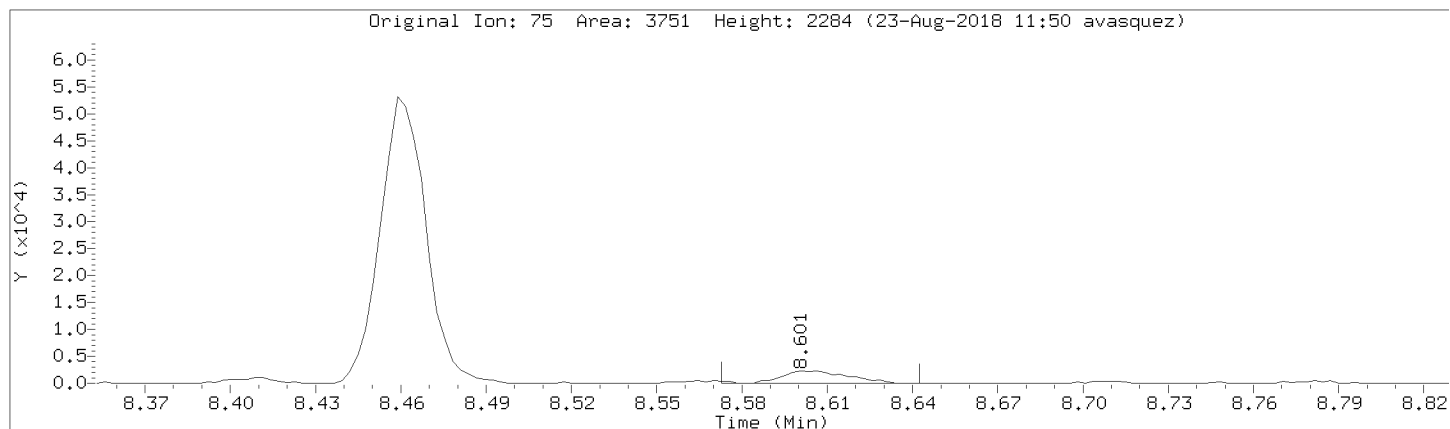


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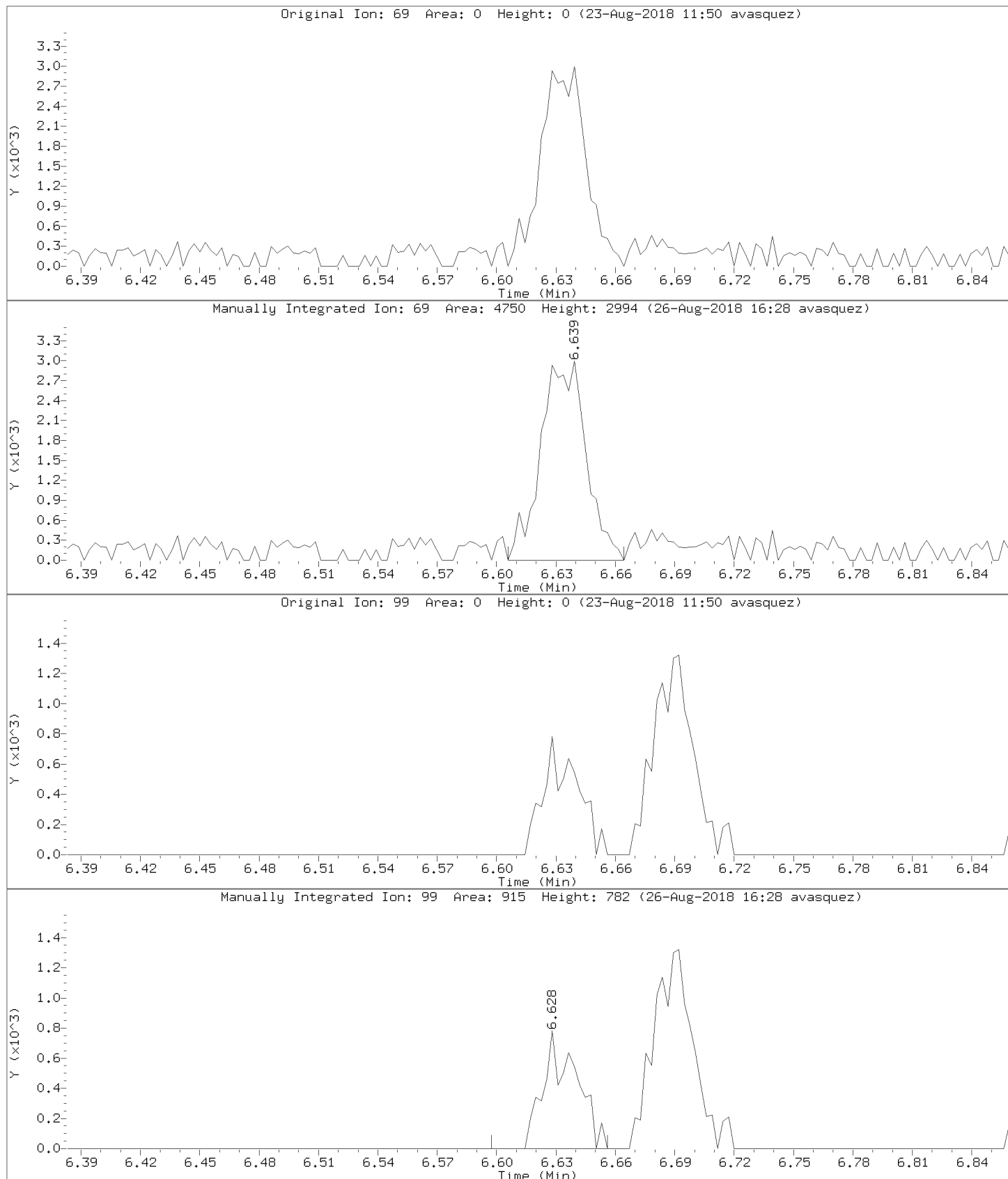
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

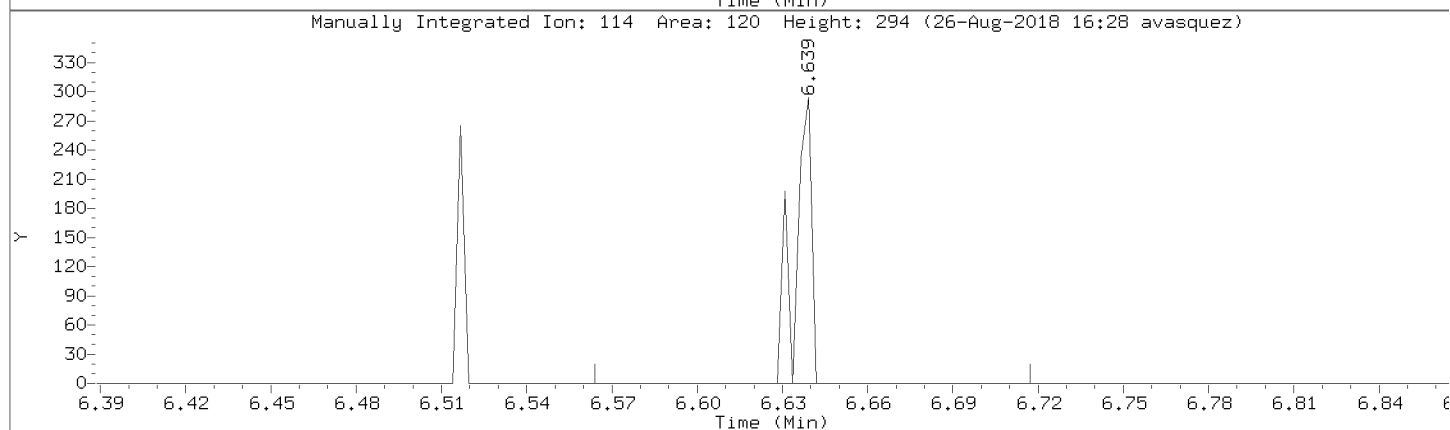
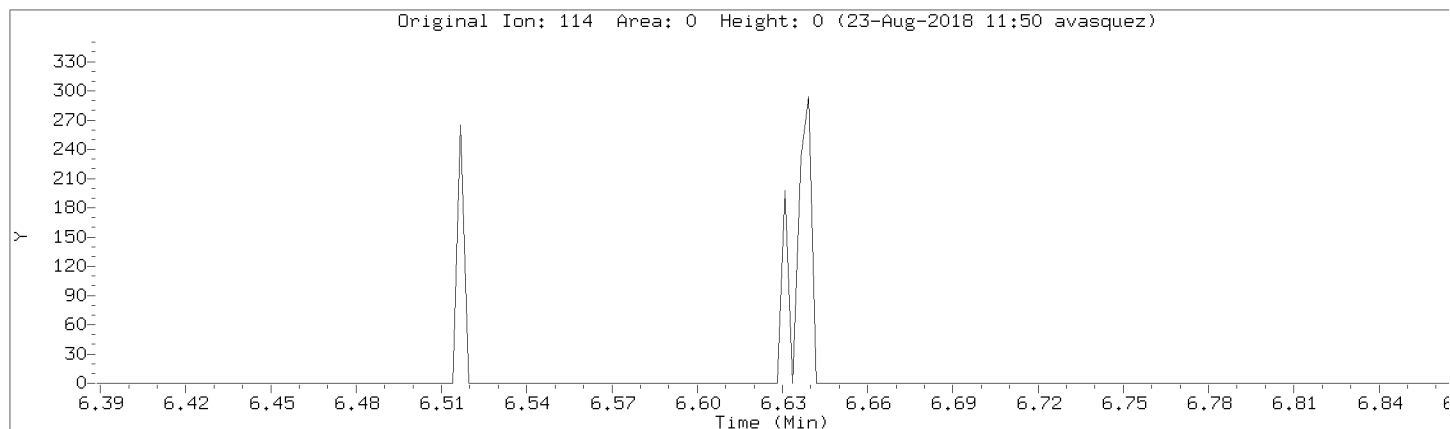


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Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

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



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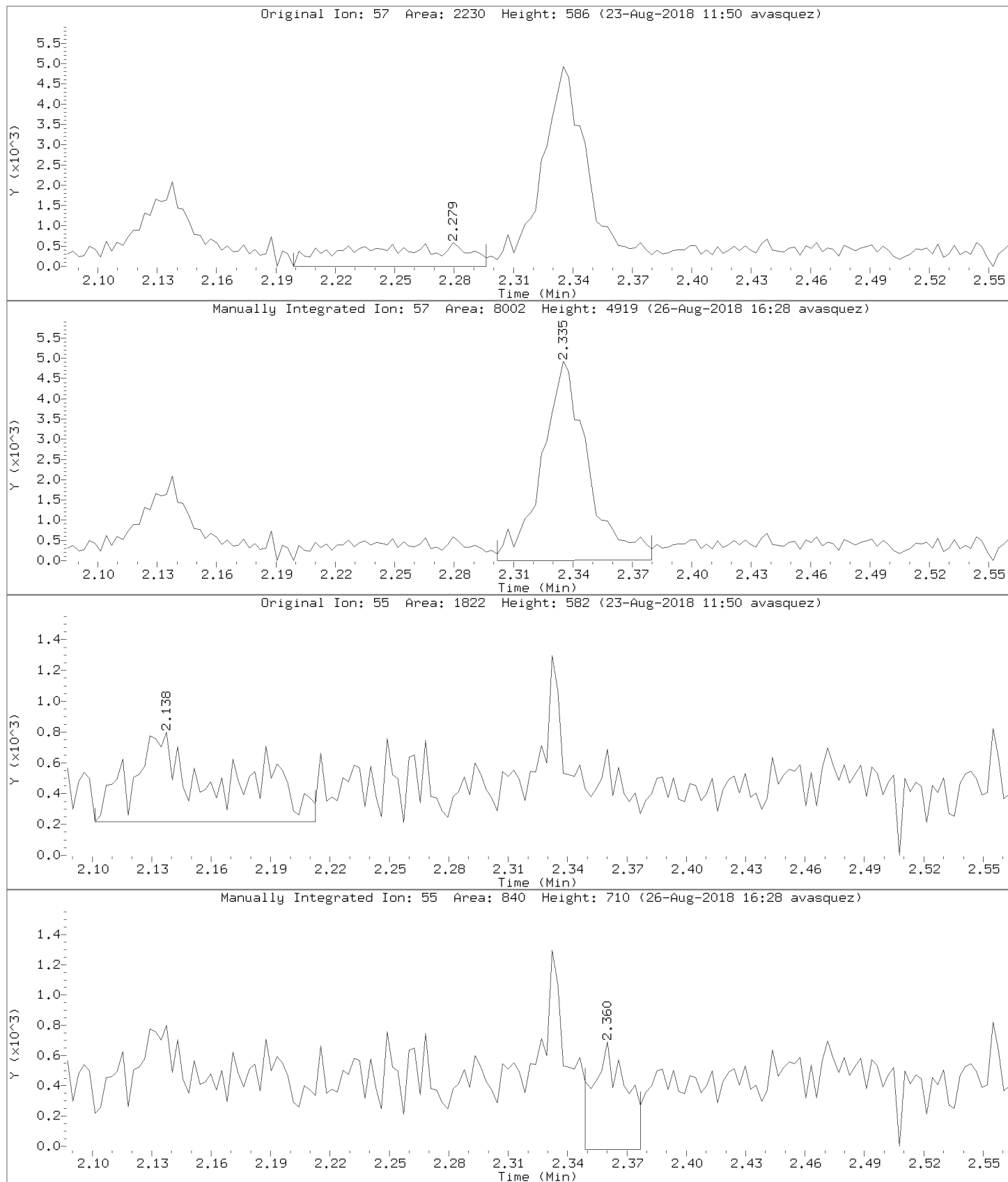
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: n-Hexane

Review Code: NI

CAS Number:



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\04cal.d

Injection Date: 22-AUG-2018 15:24

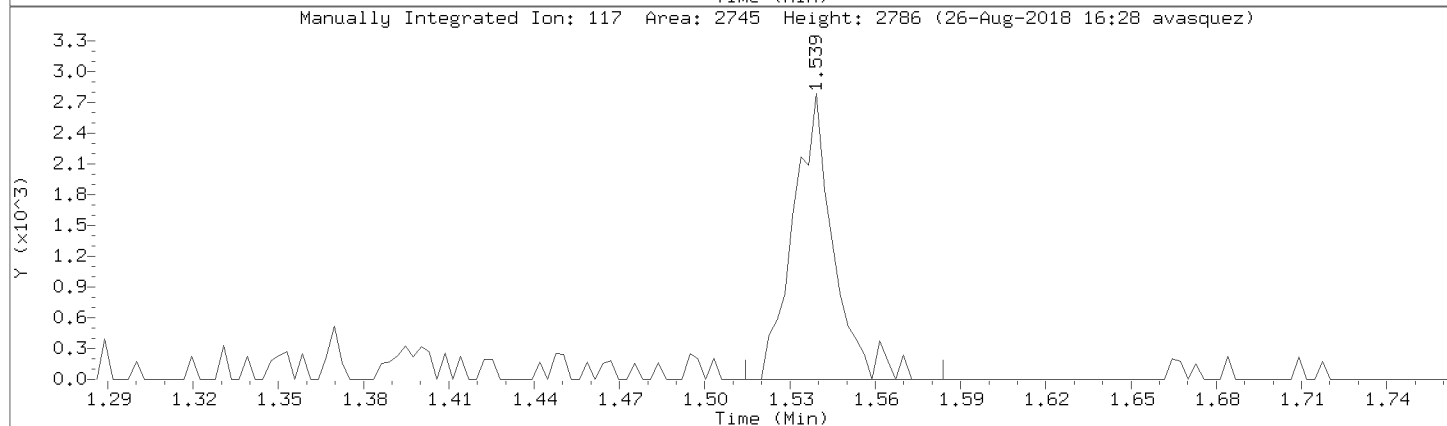
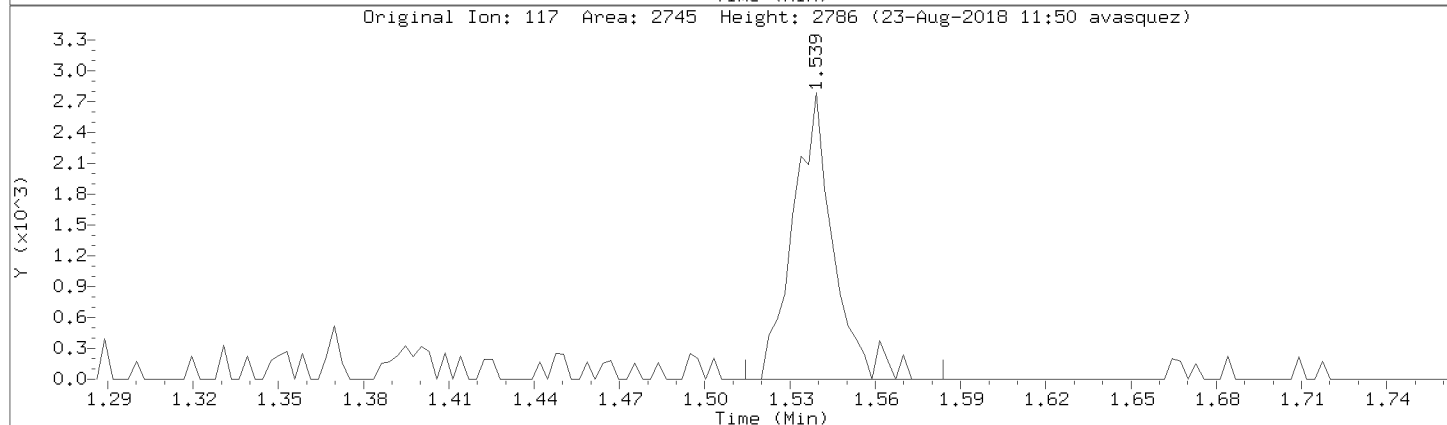
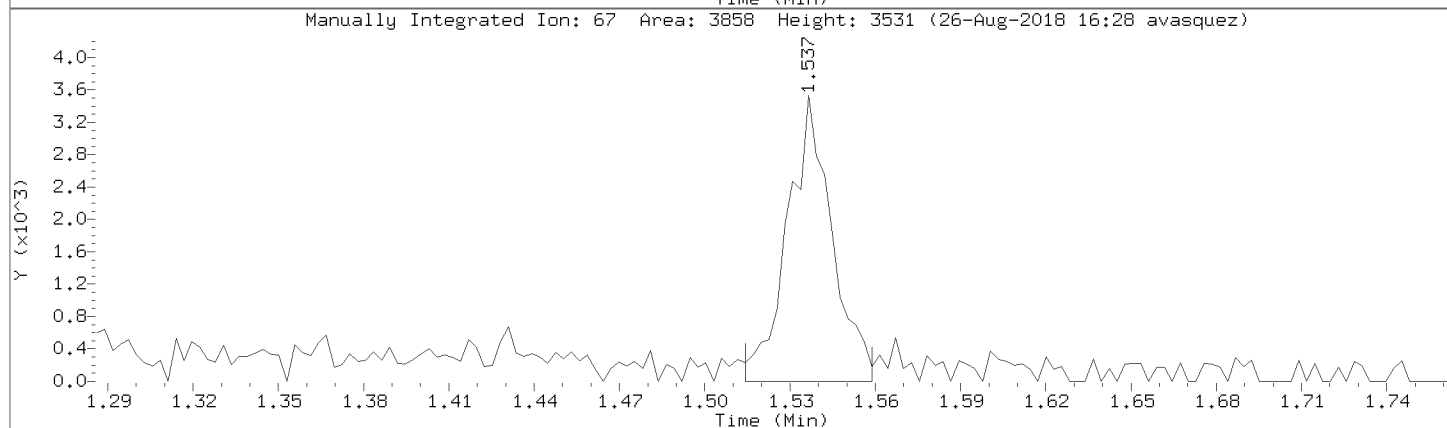
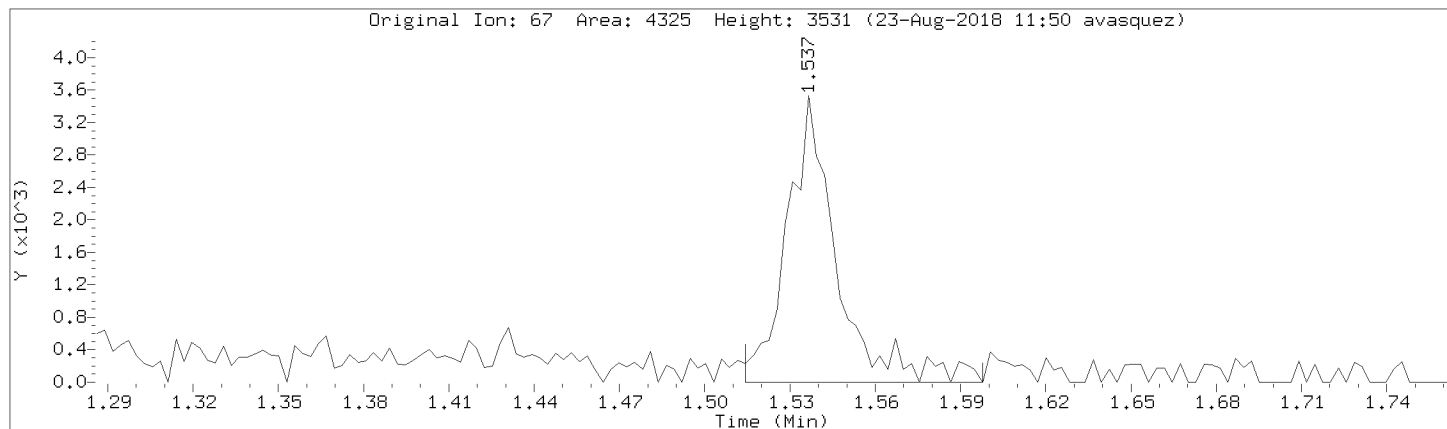
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: 1,2-dichlorotrifluoroethane

Review Code: GT

CAS Number: 354-23-4

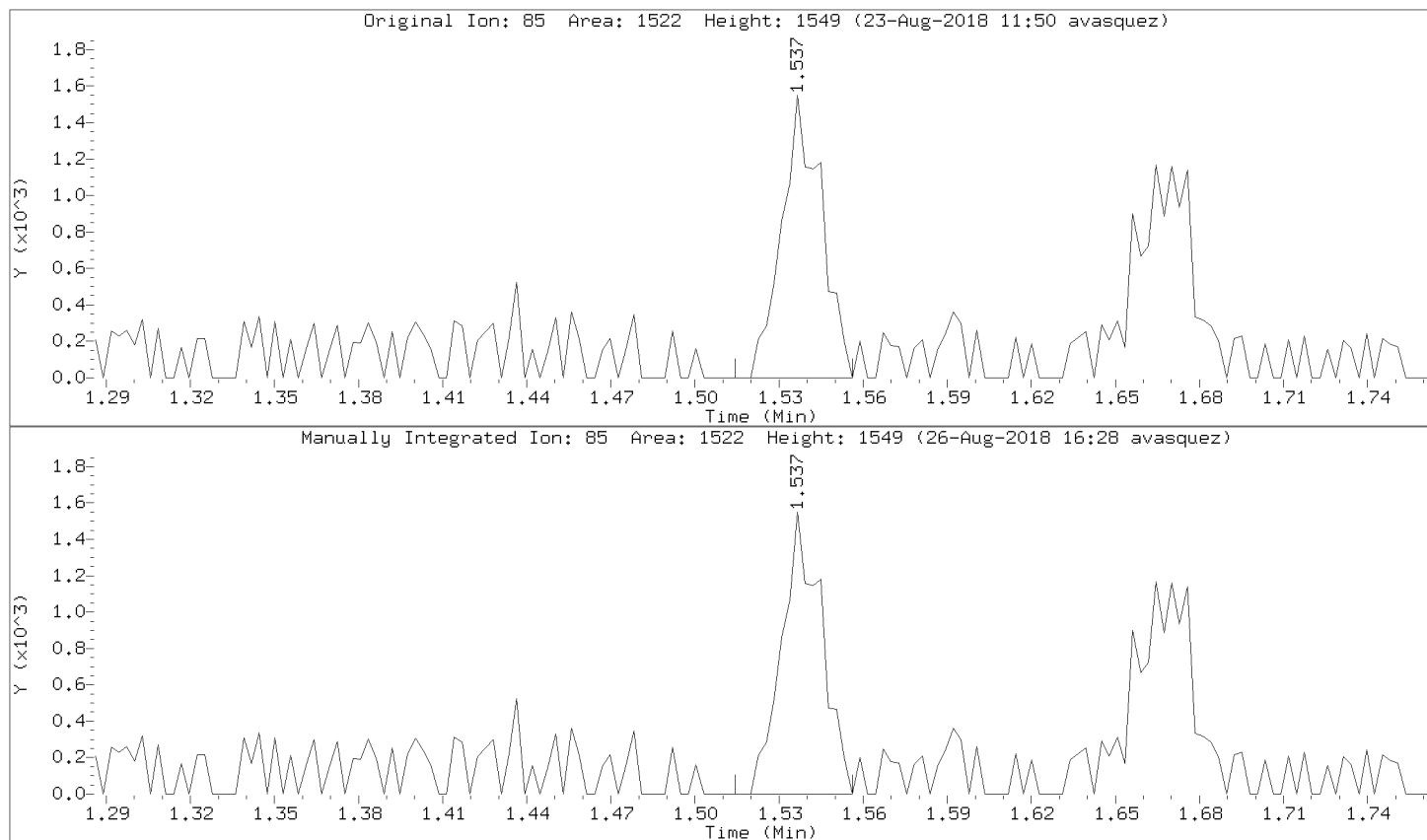


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Injection Date: 22-AUG-2018 15:24

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3



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Injection Date: 22-AUG-2018 15:24

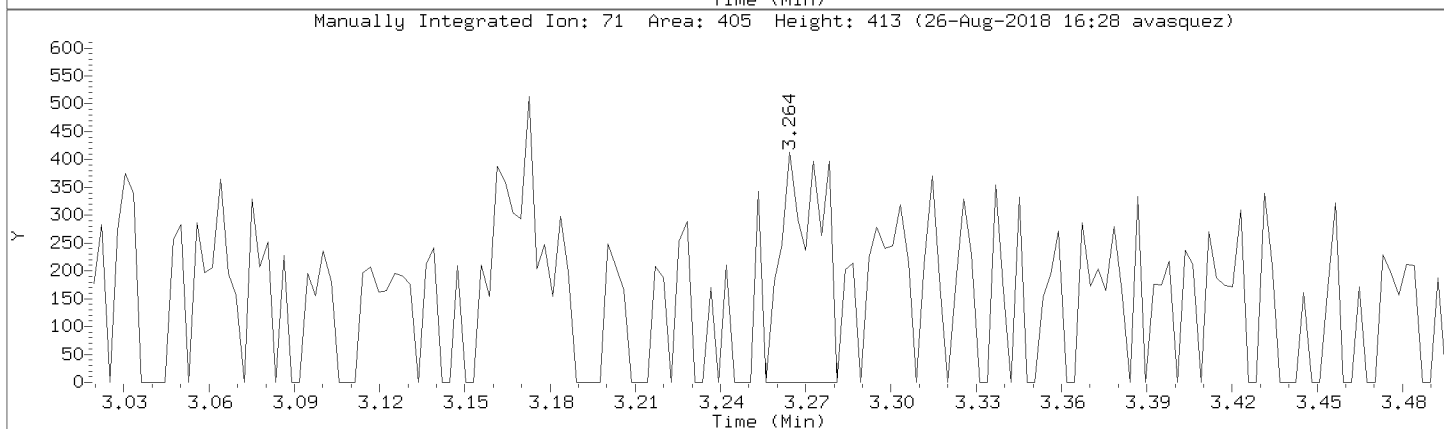
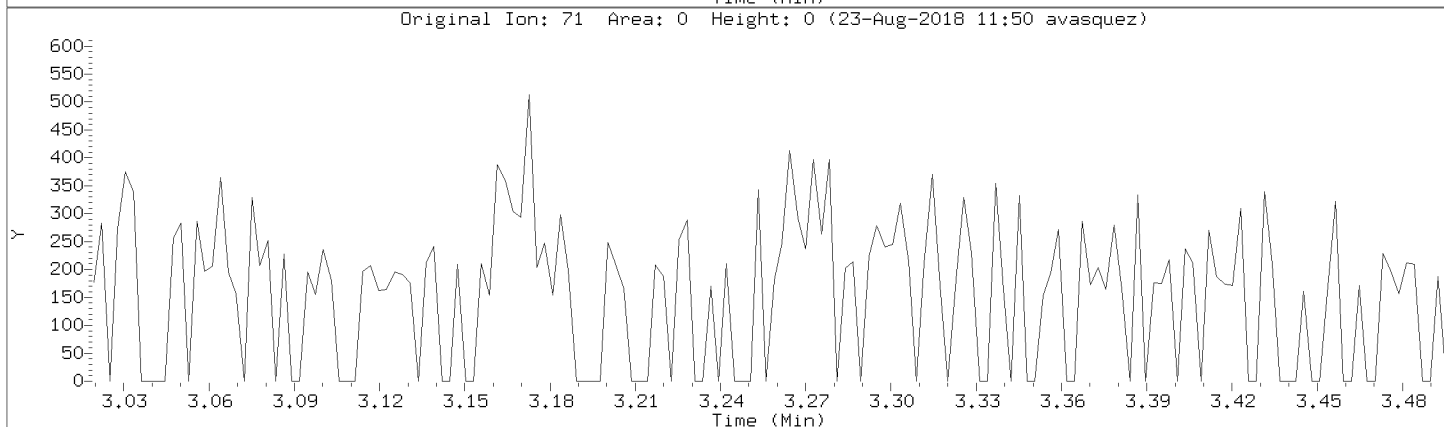
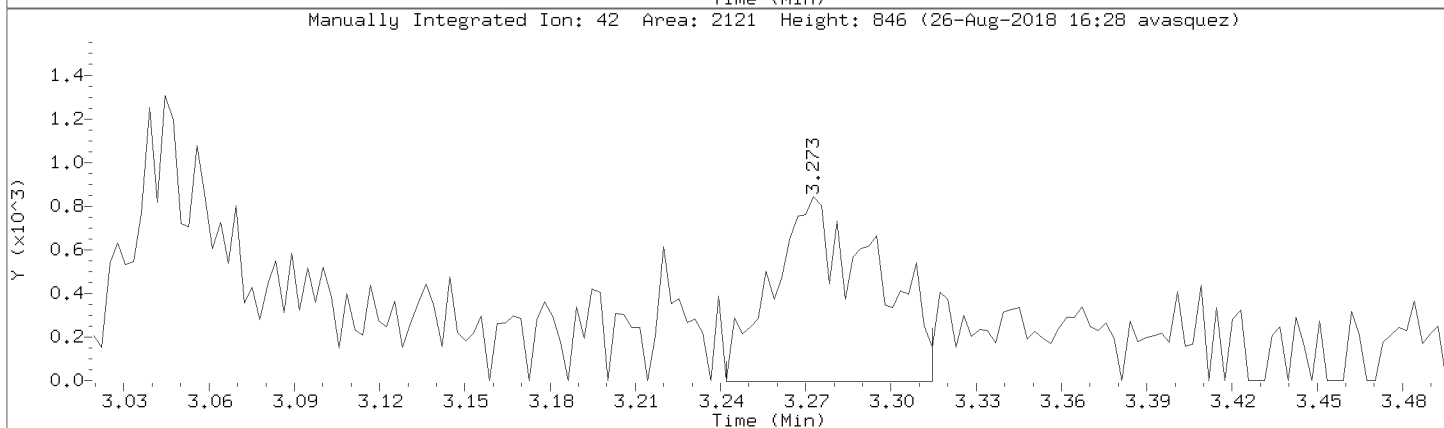
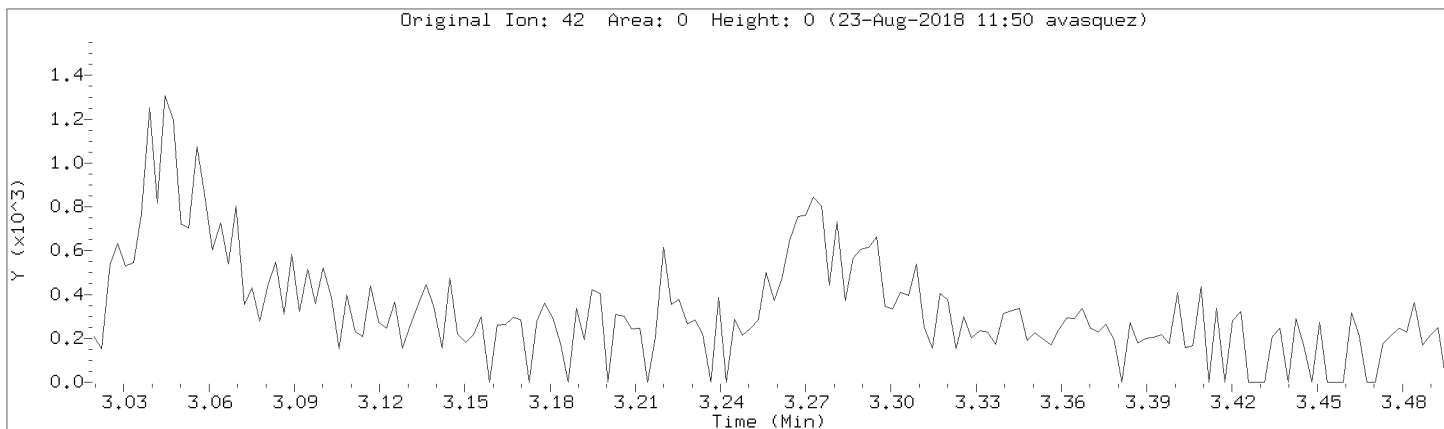
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

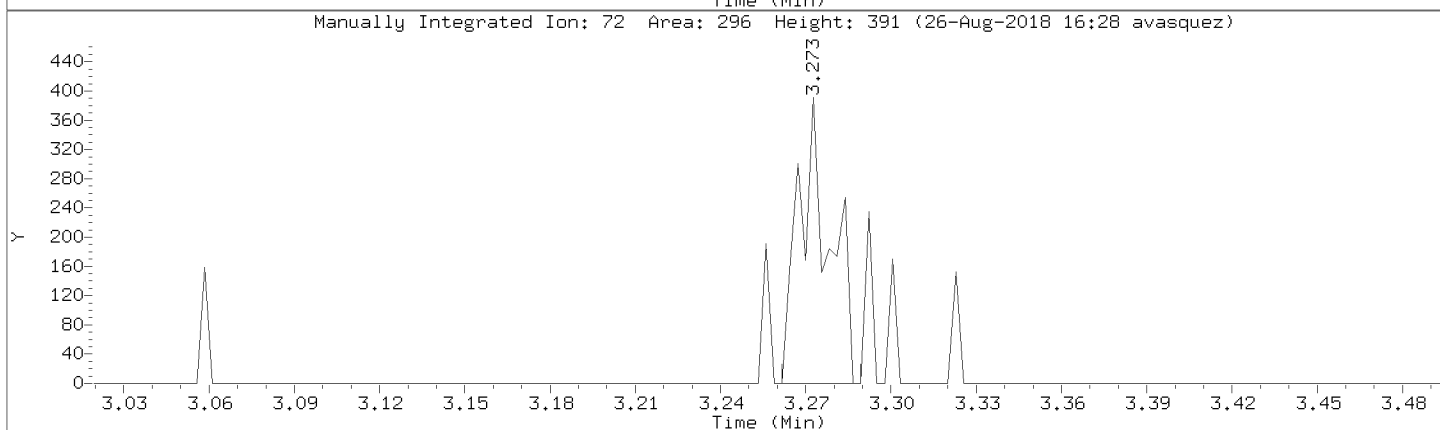
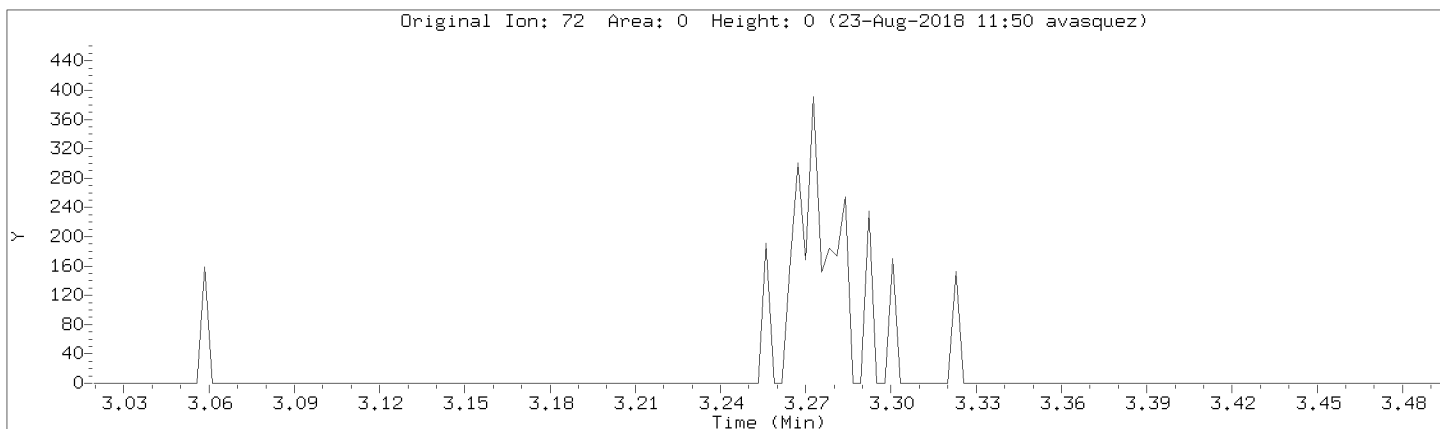
Compound: Tetrahydrofuran

Review Code: NI

CAS Number:



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d
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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3



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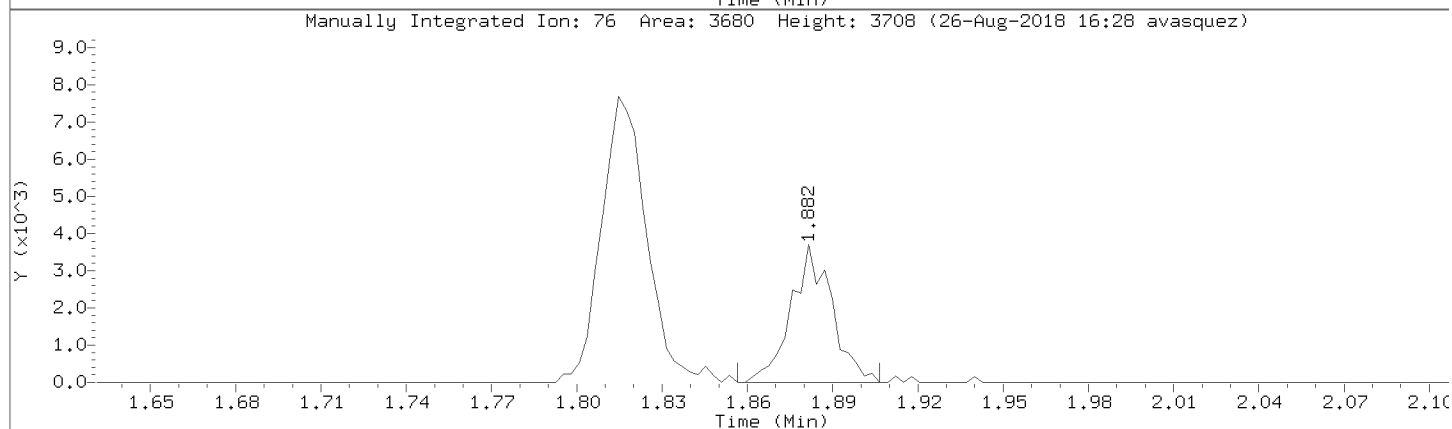
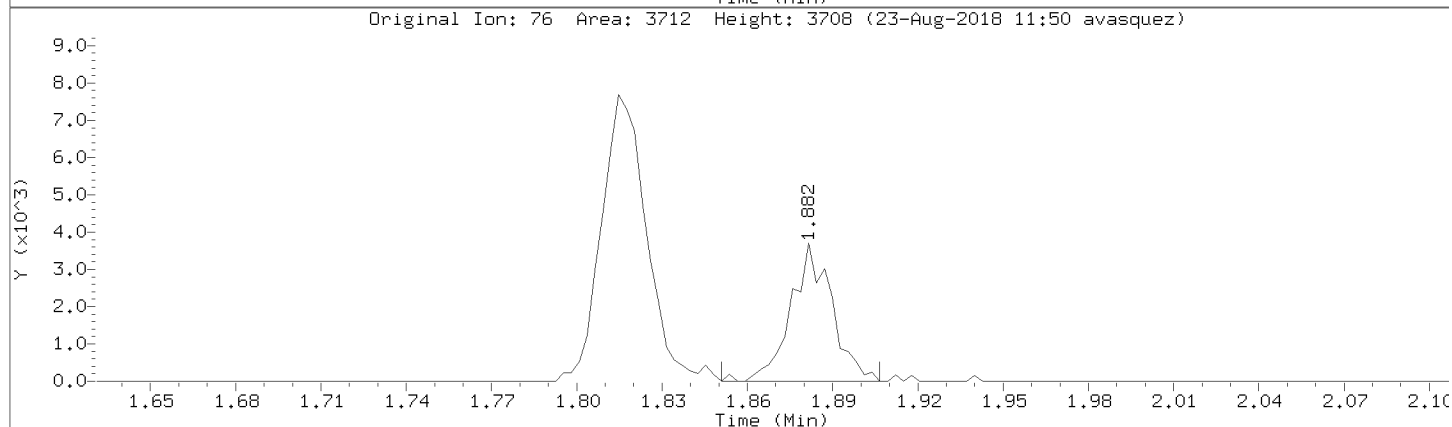
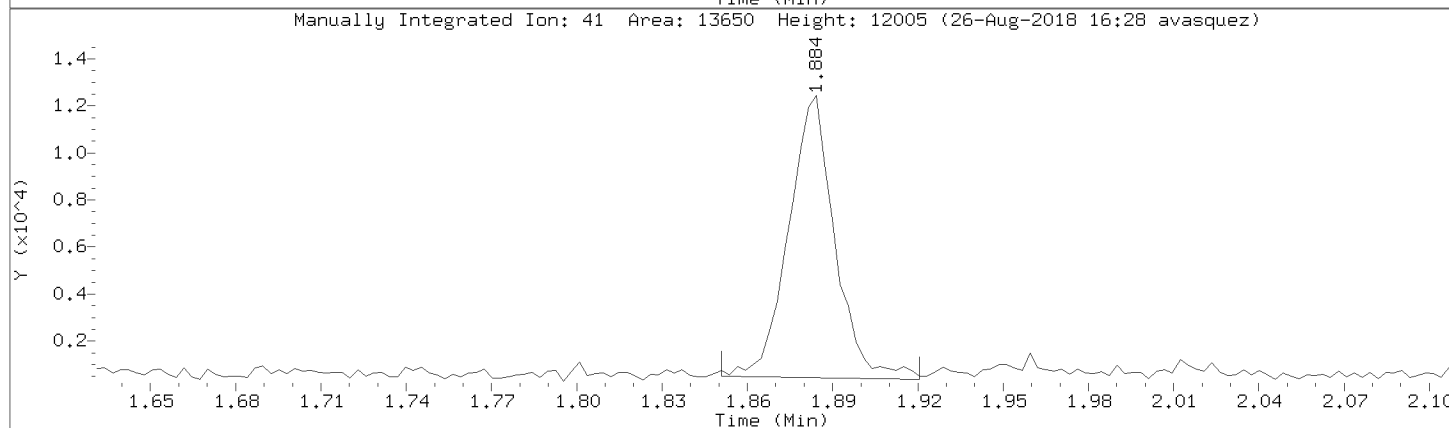
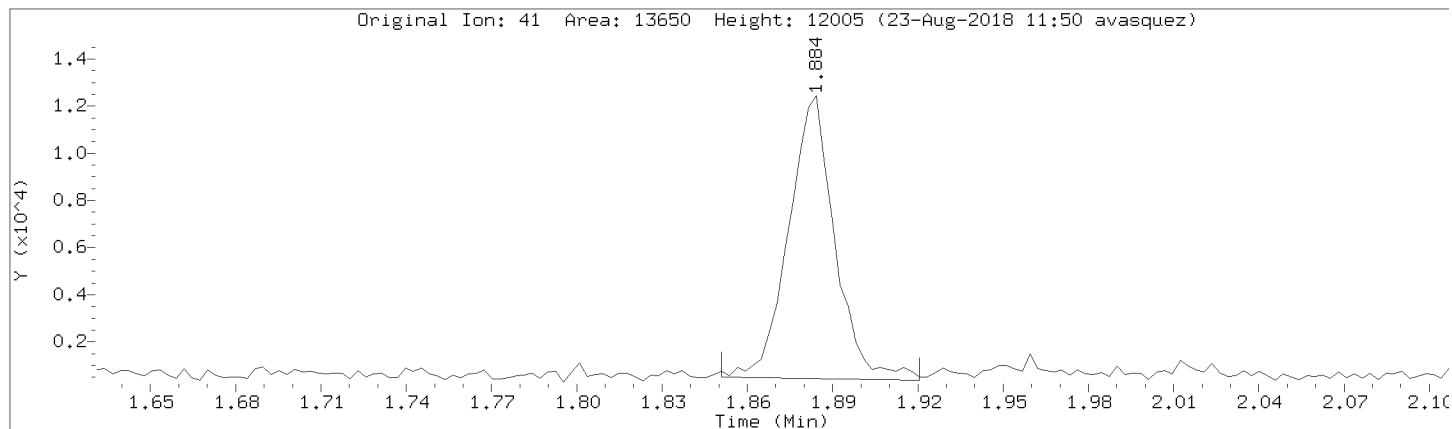
Instrument: 50mv2a.i

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

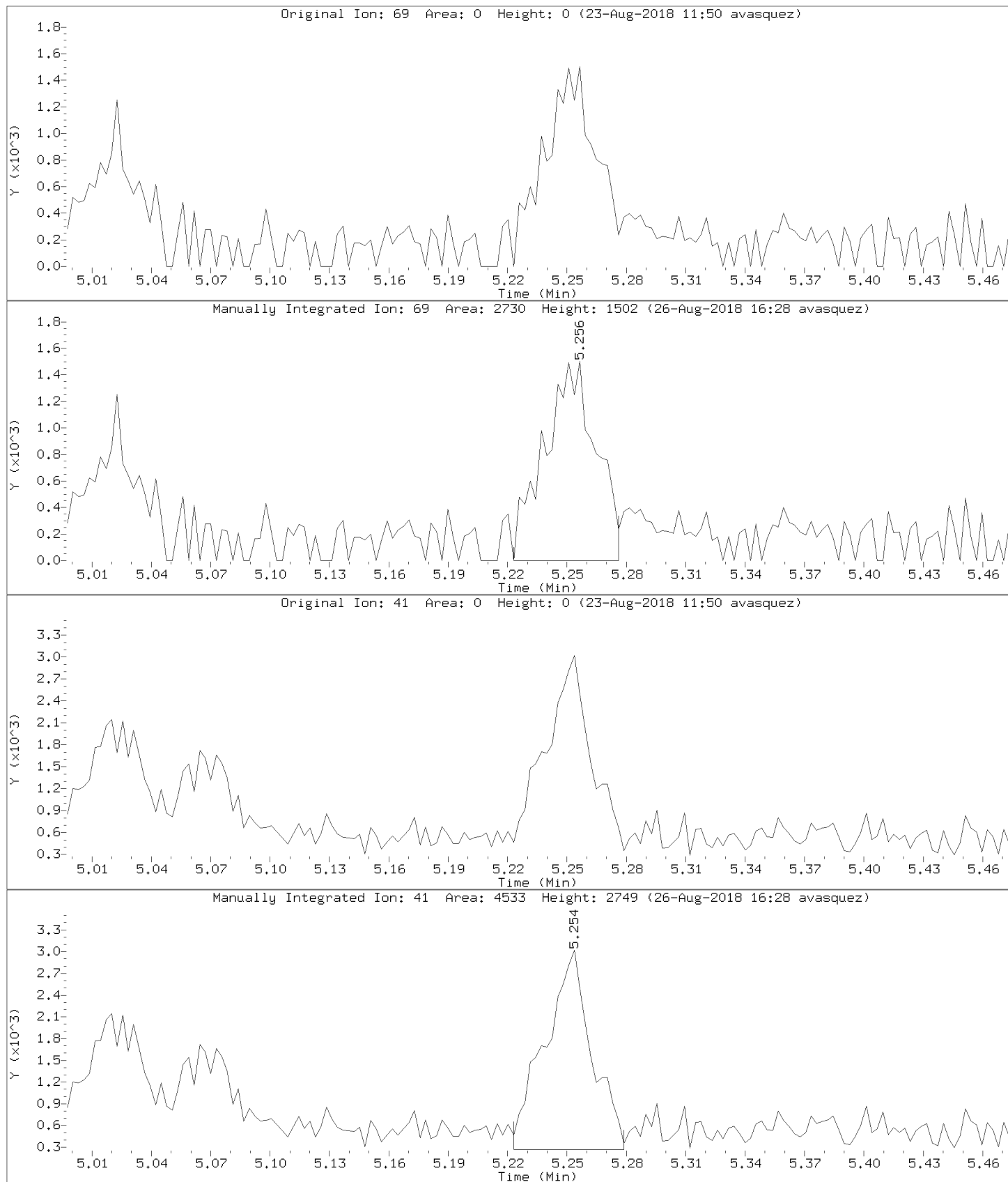
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

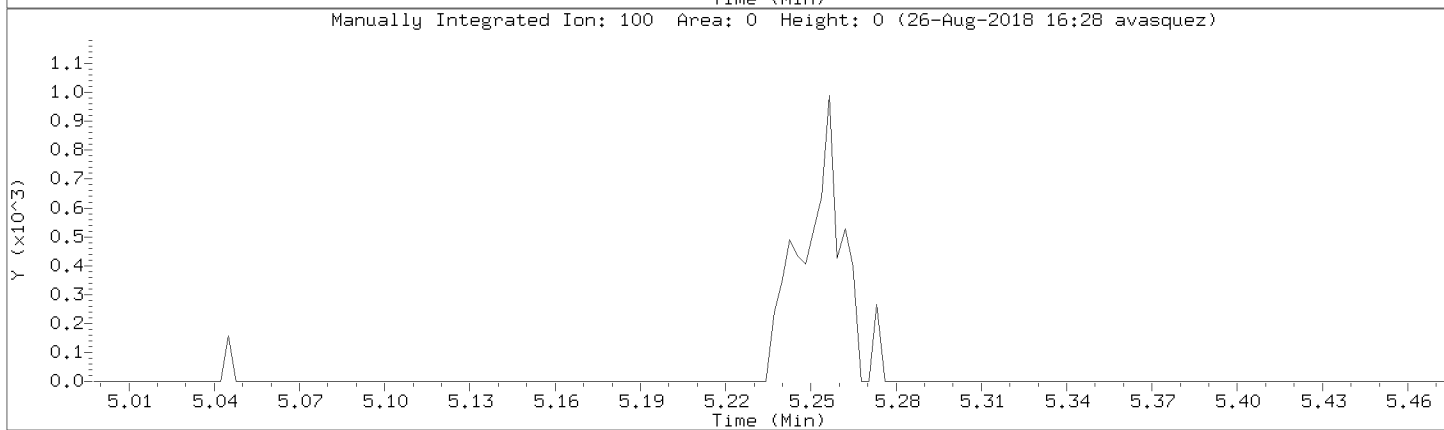
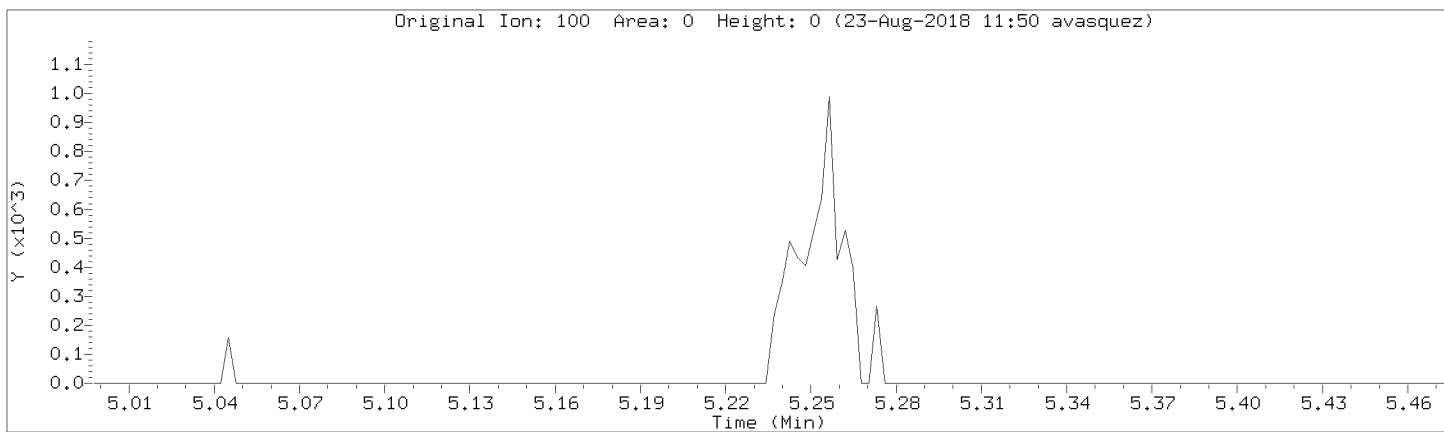
Compound: Methyl methacrylate

Review Code: NI

CAS Number: 80-62-6

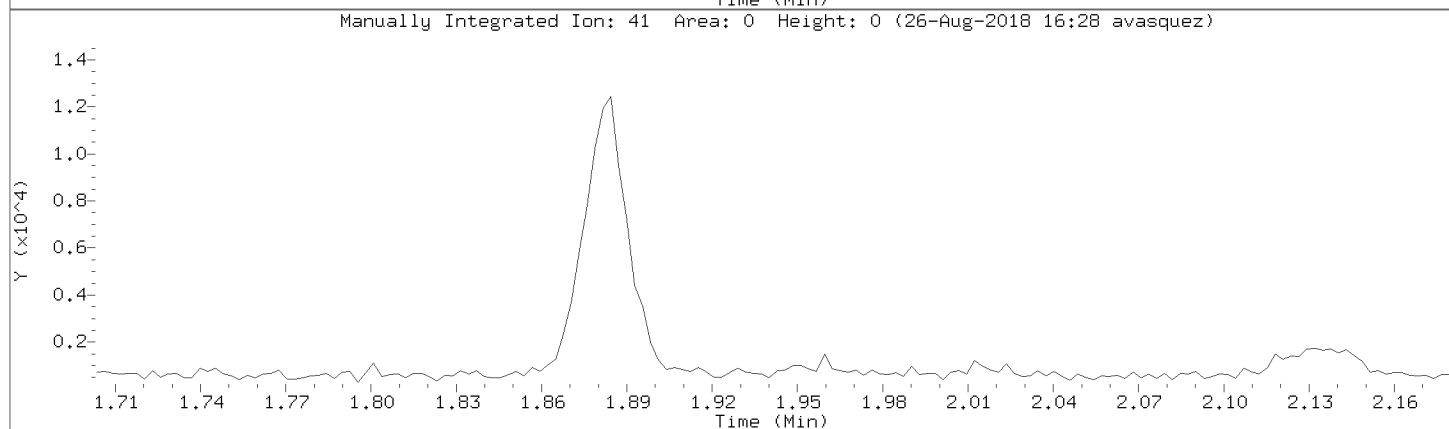
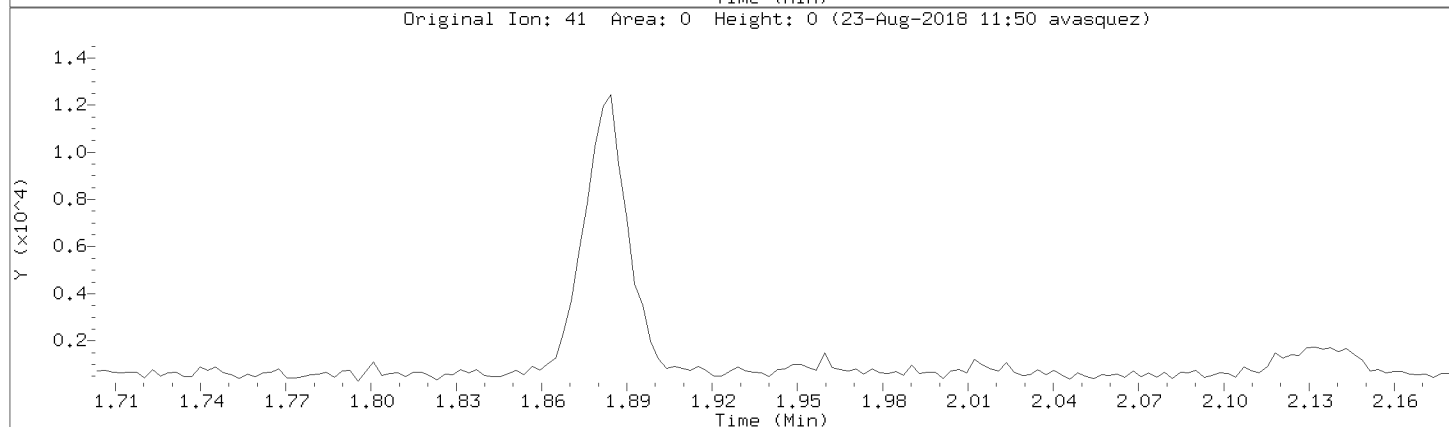
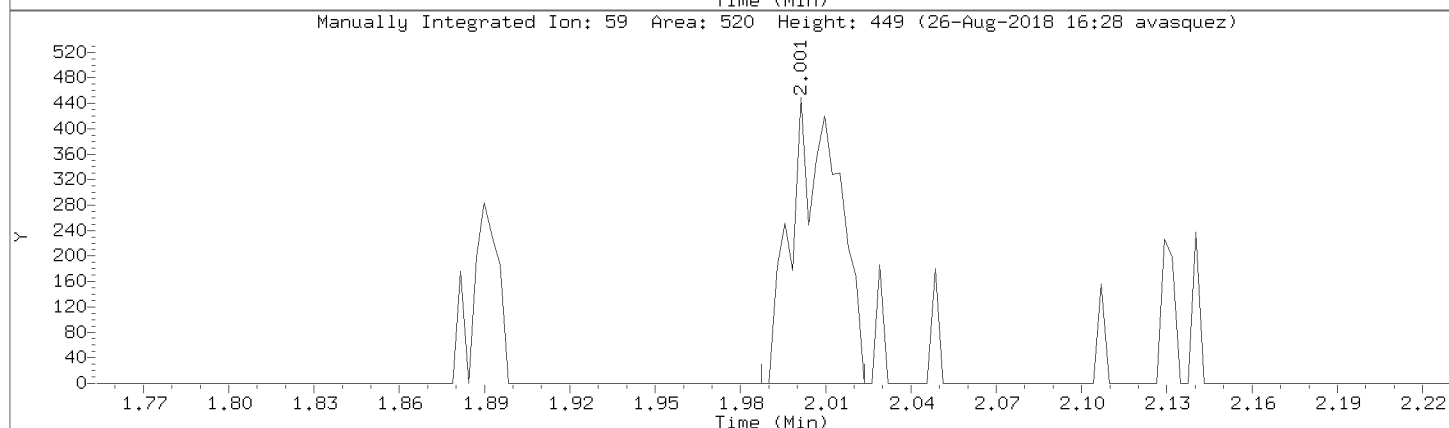
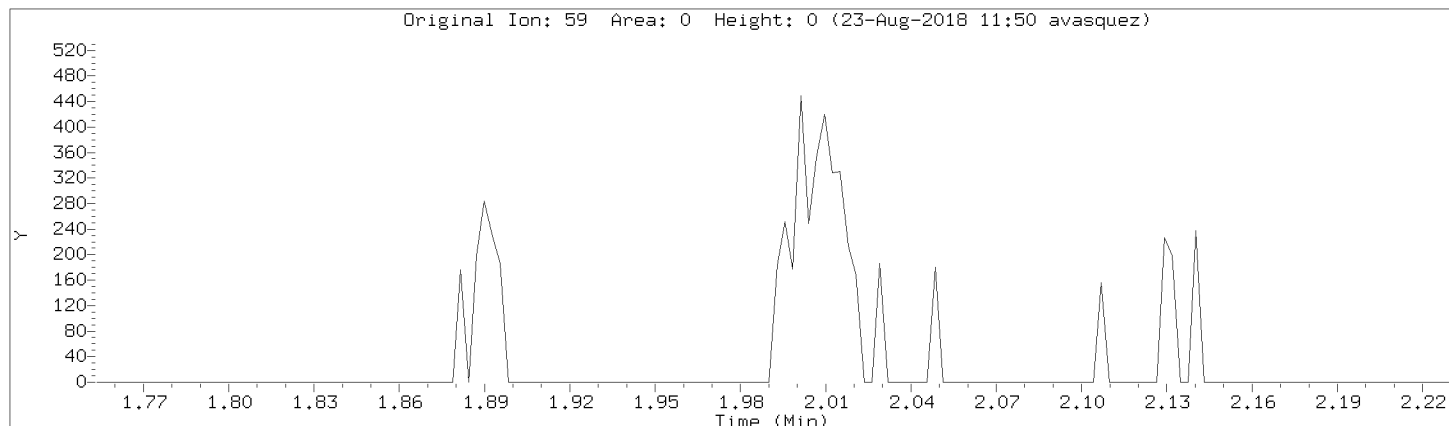


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Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3



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



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Injection Date: 22-AUG-2018 15:24

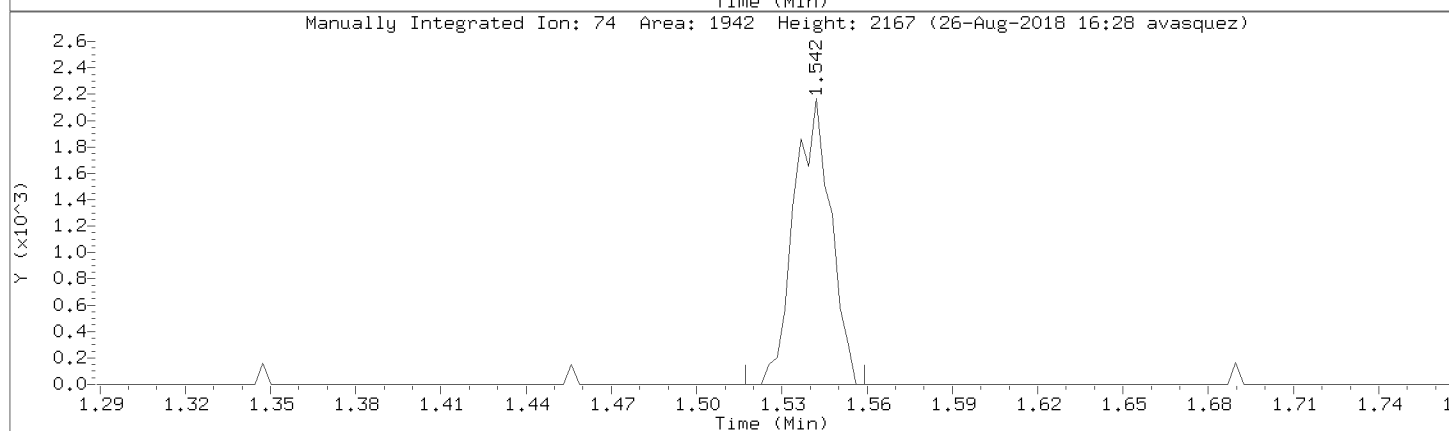
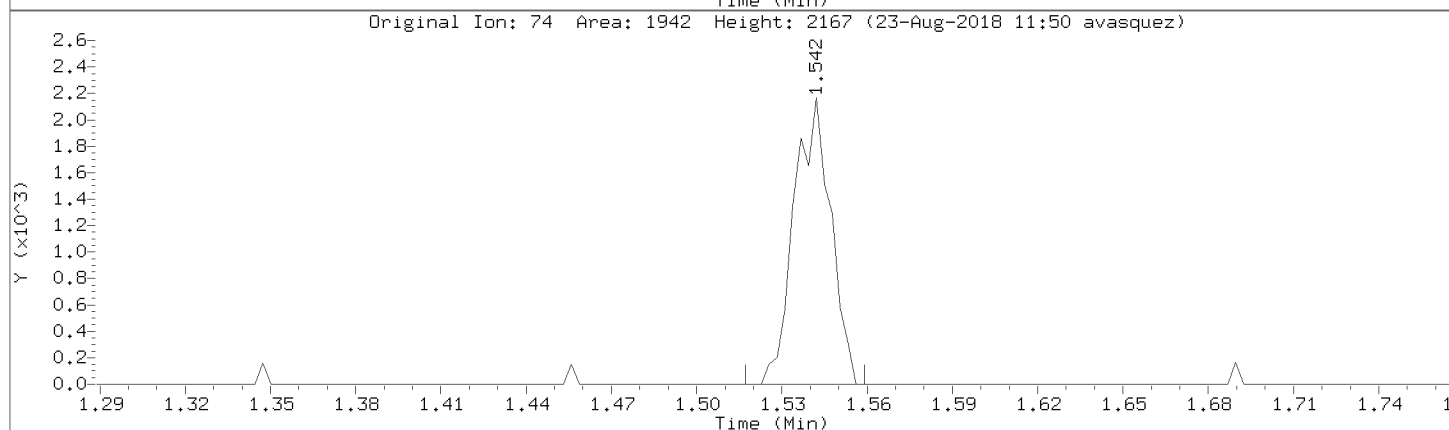
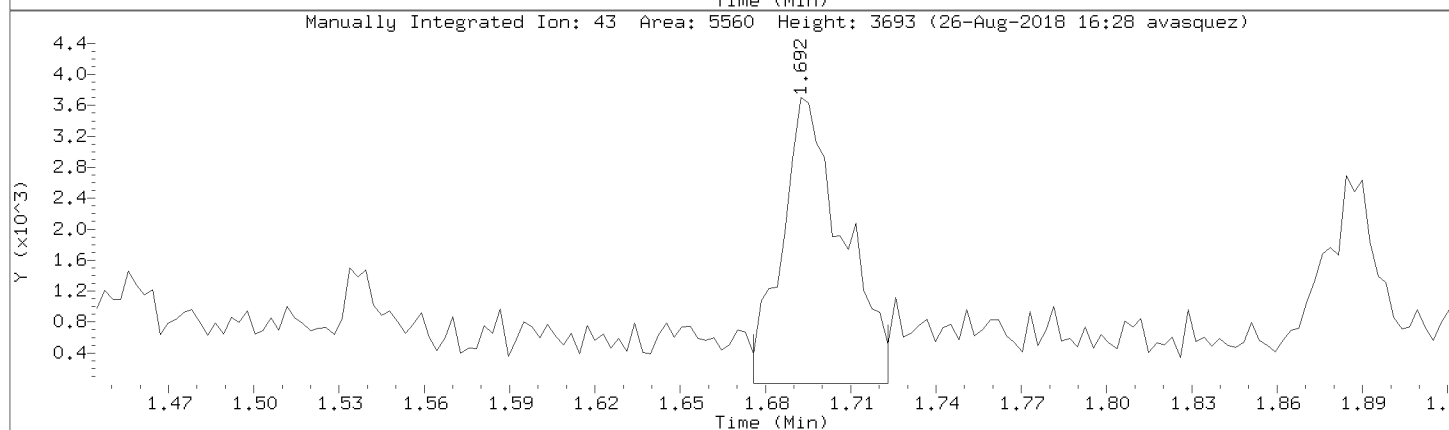
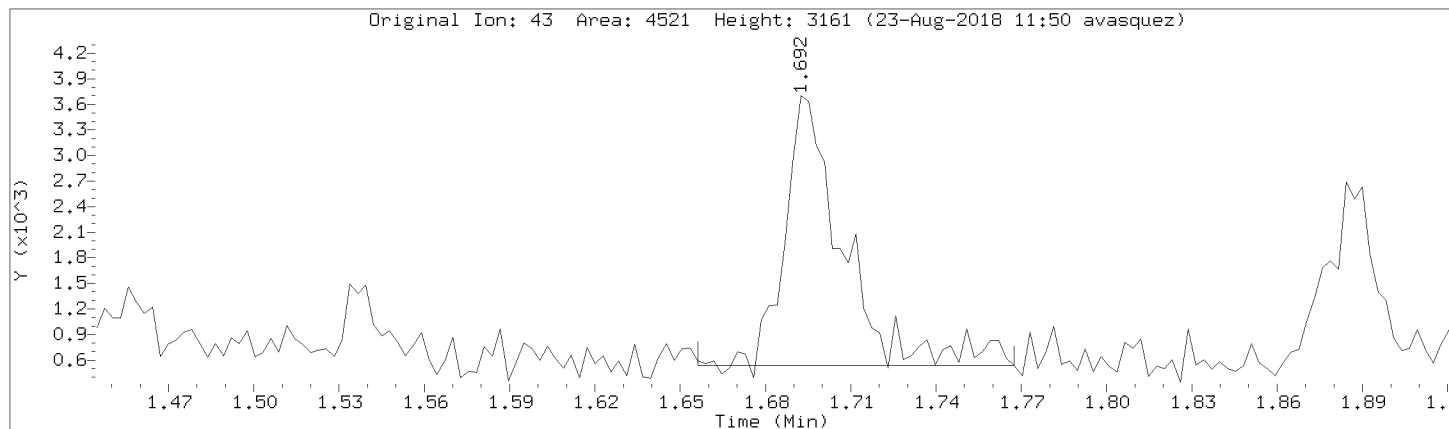
Instrument: 50mv2a.i

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

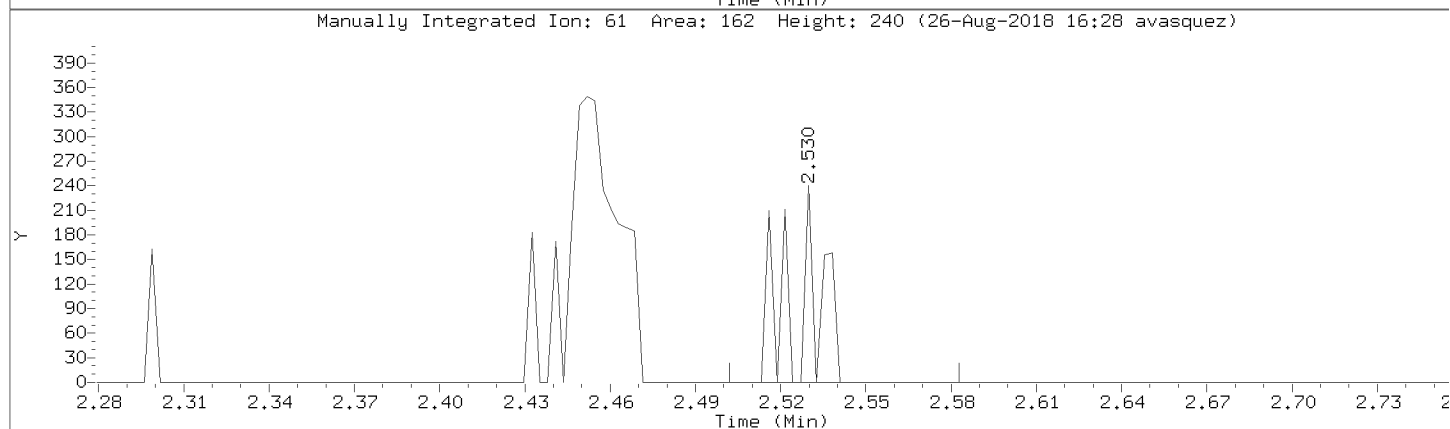
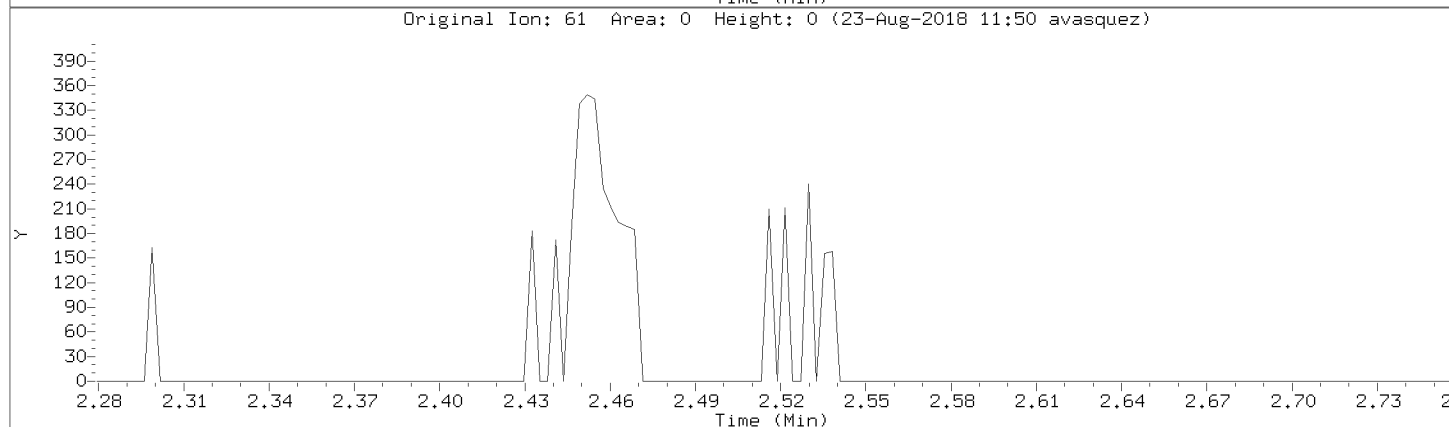
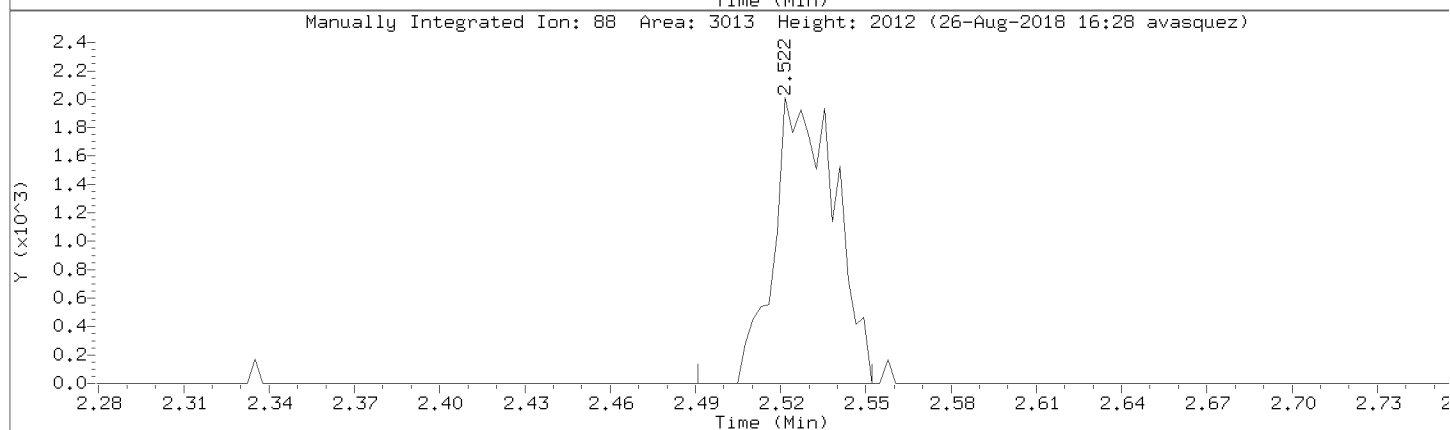
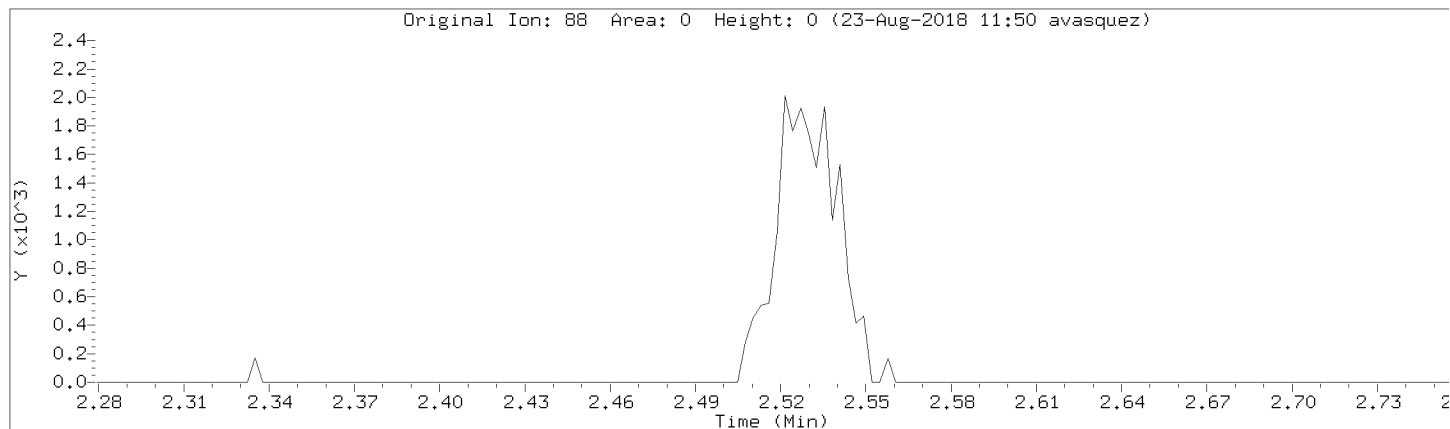
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

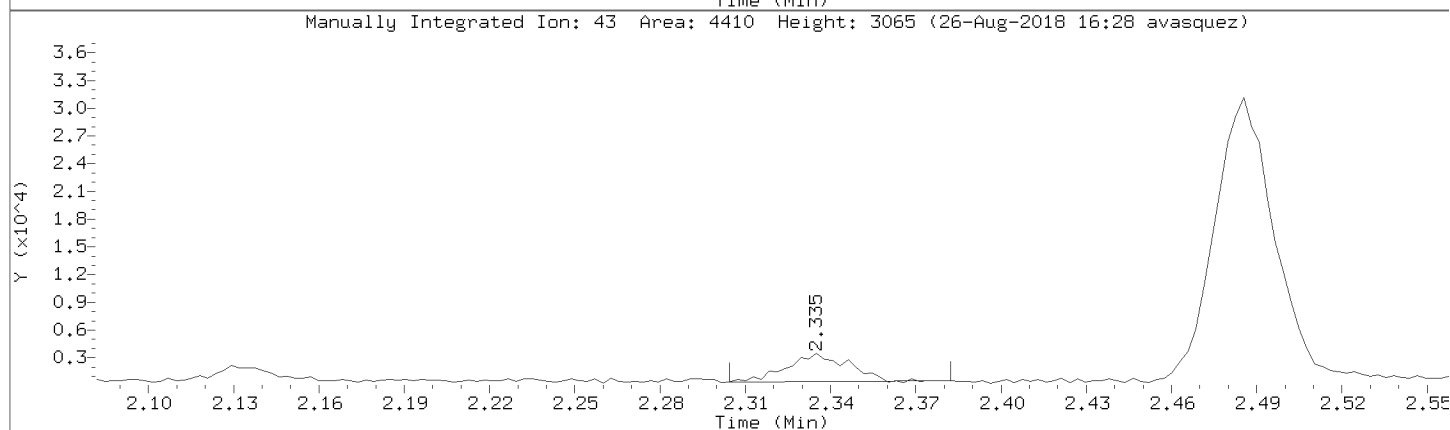
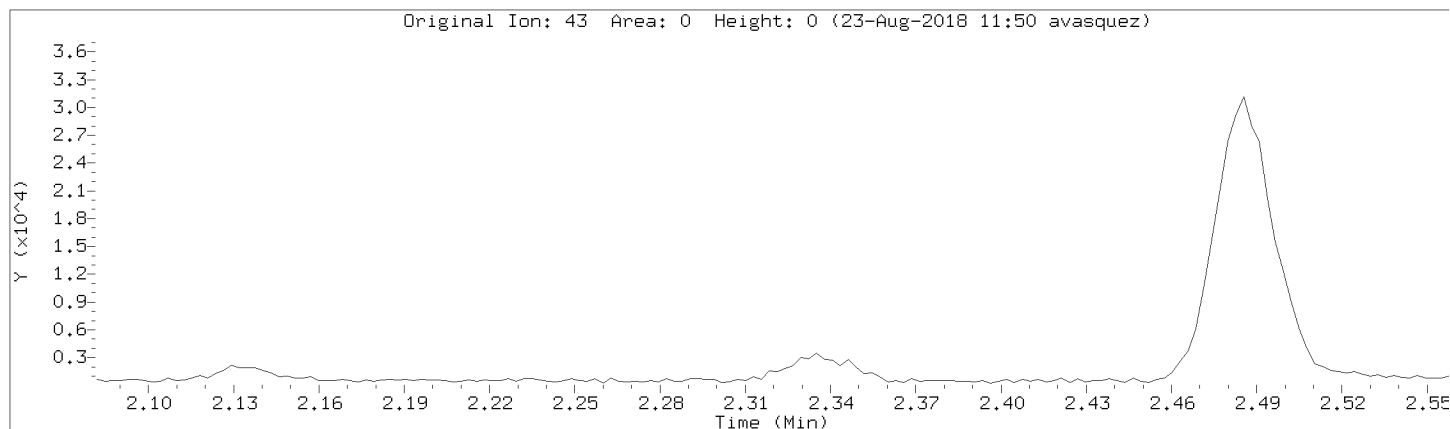
Compound: Ethyl acetate

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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Injection Date: 22-AUG-2018 15:24

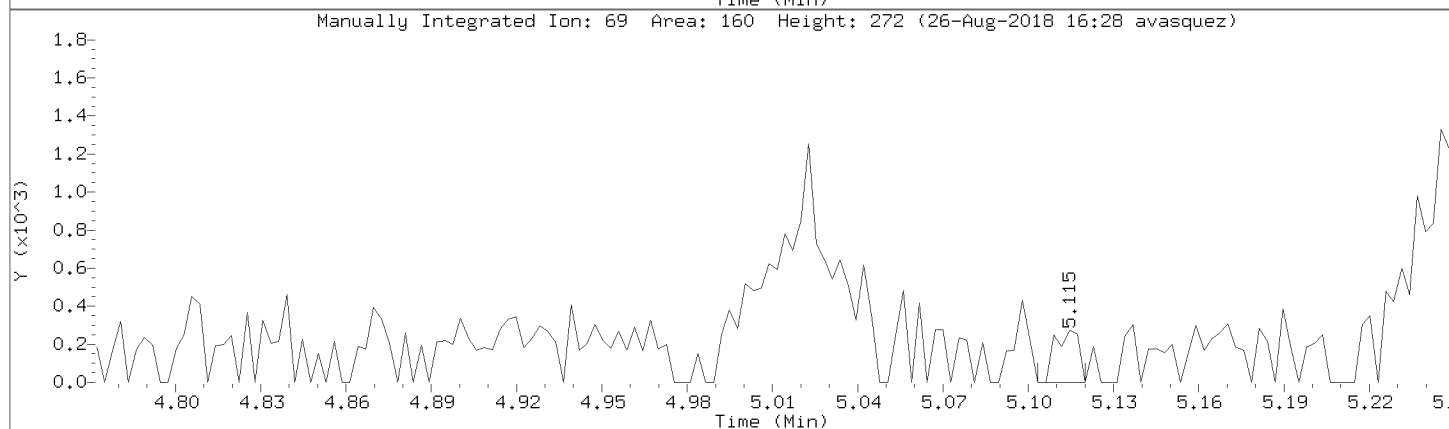
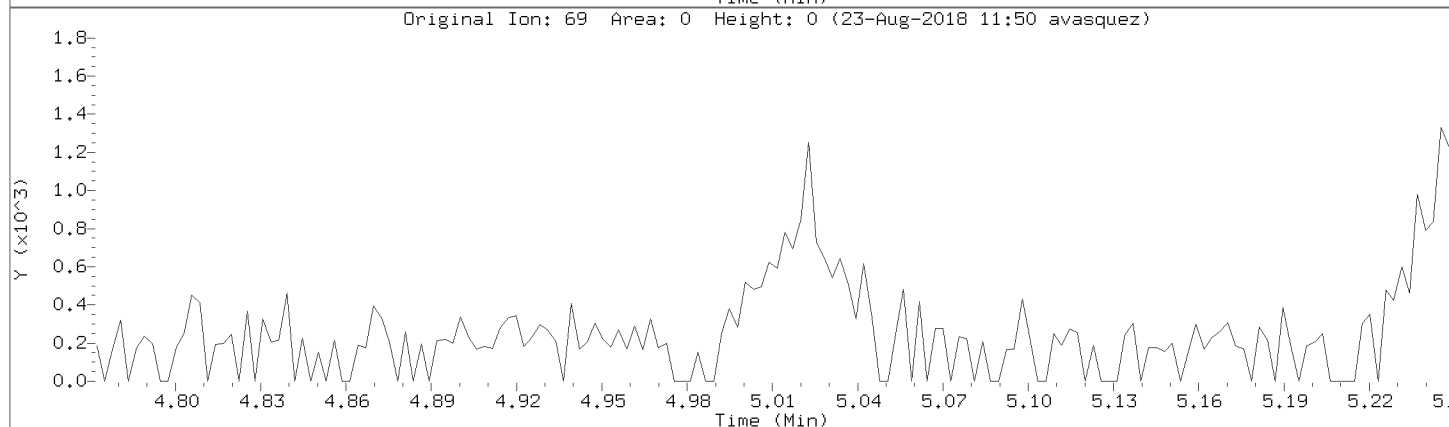
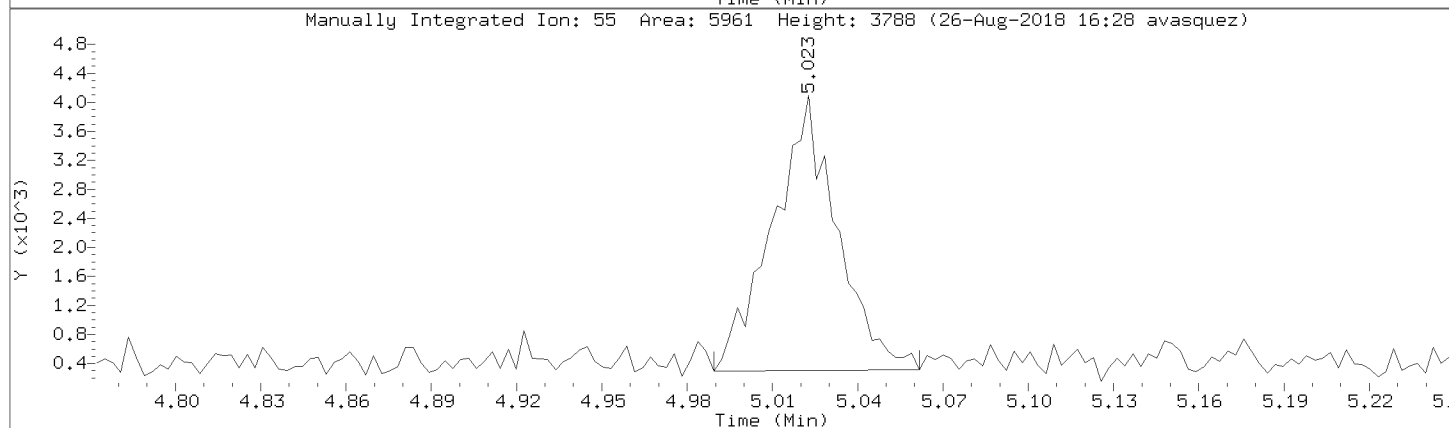
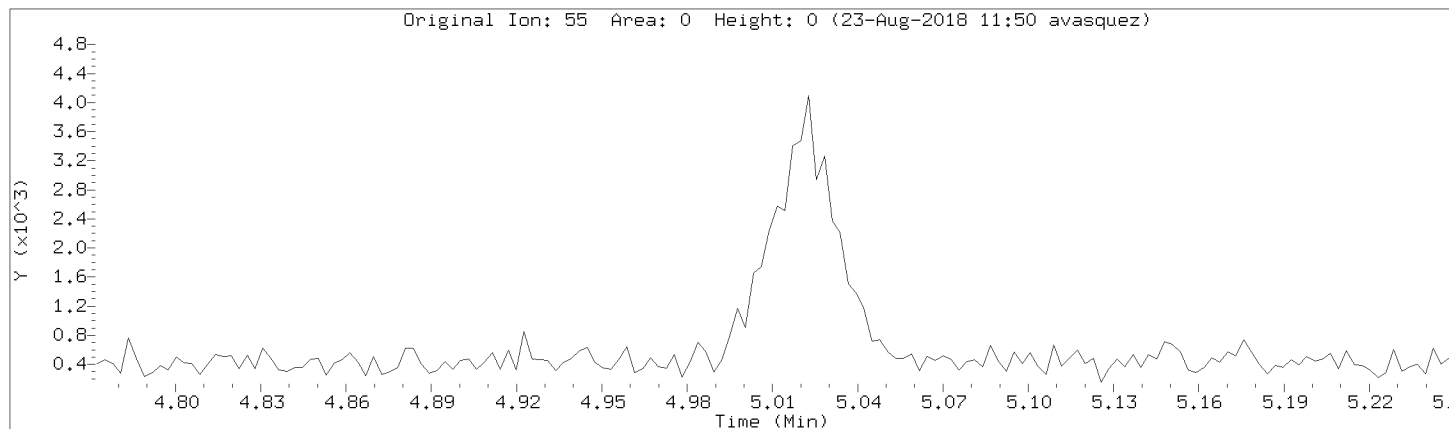
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

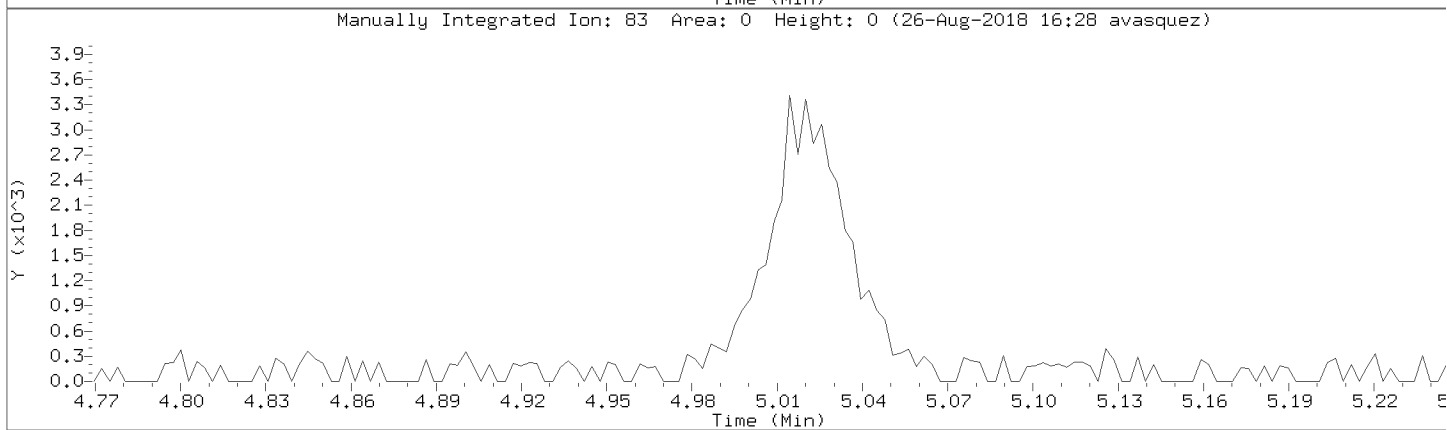
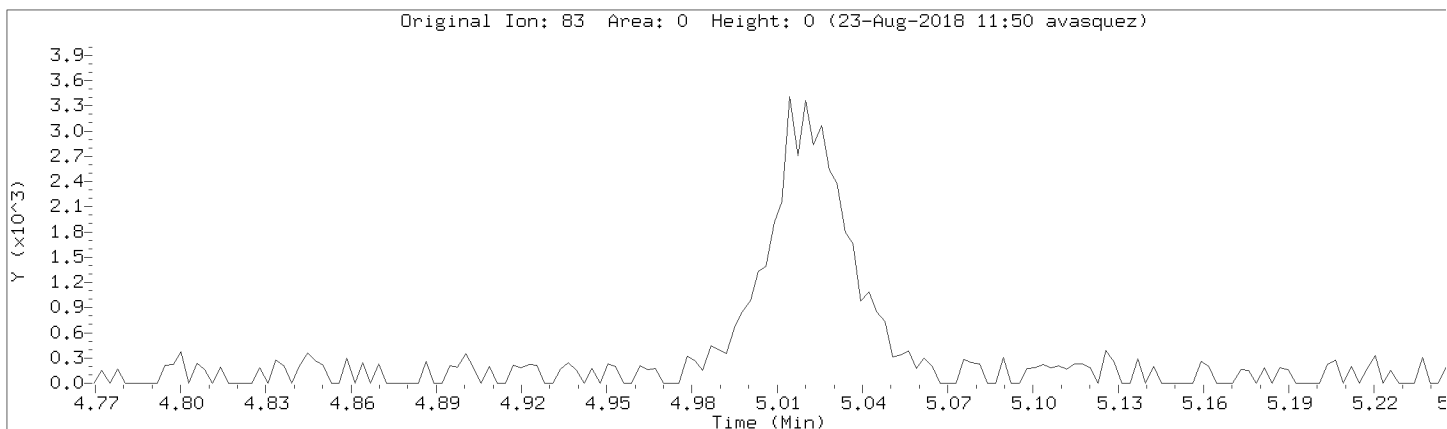
Compound: Methylcyclohexane

Review Code: NI

CAS Number: 108-87-2



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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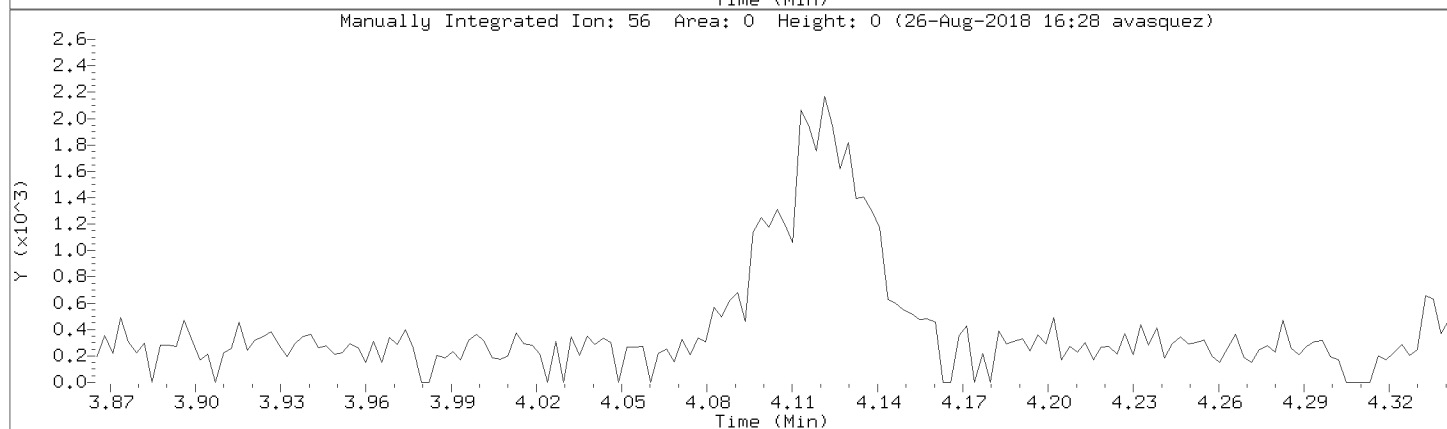
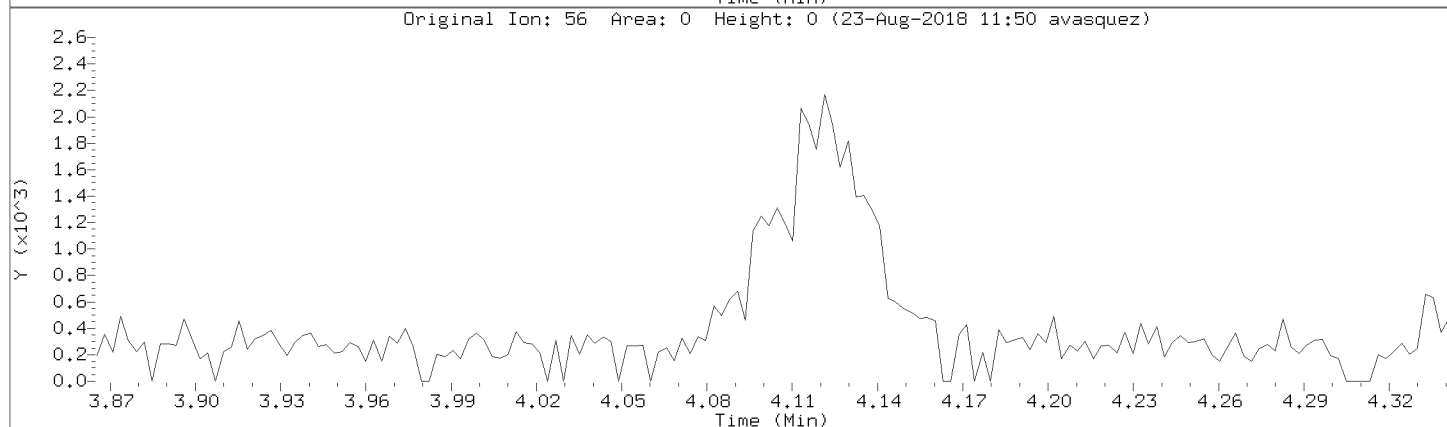
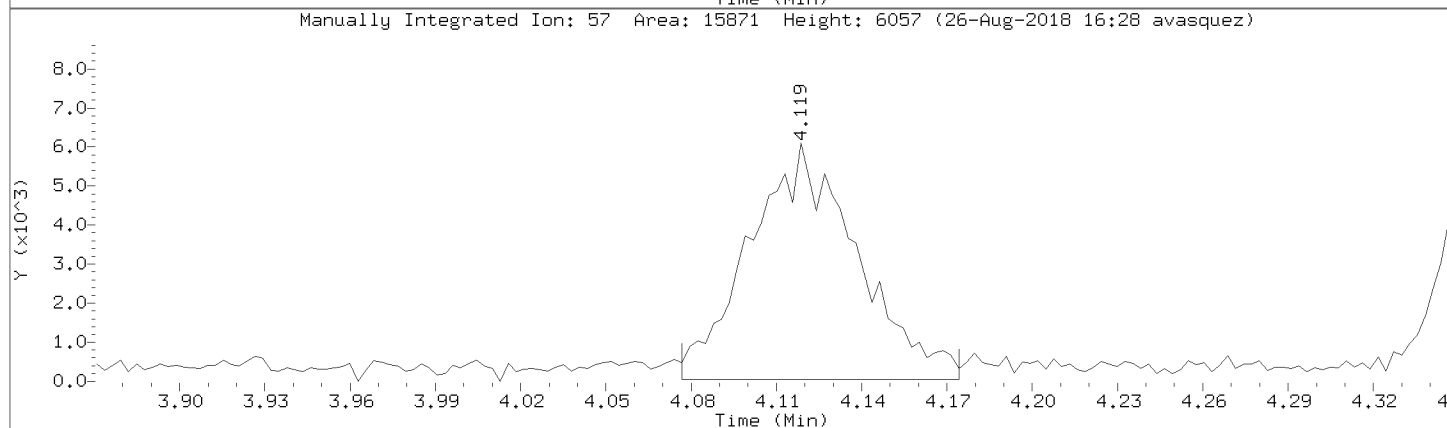
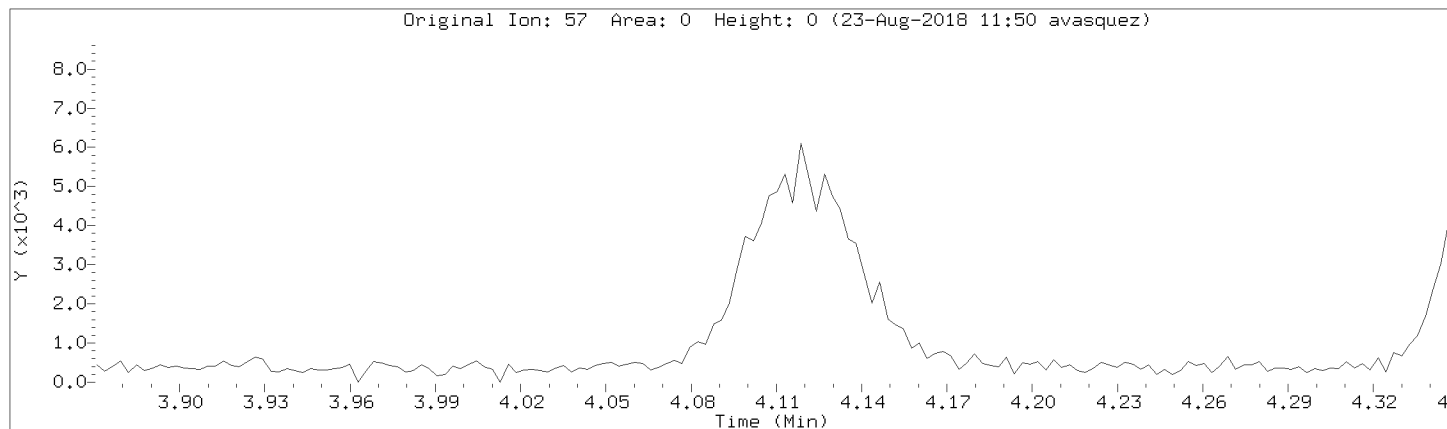
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: 2,2,4-Trimethylpentane

Review Code: NI

CAS Number: 540-84-1



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Injection Date: 22-AUG-2018 15:24

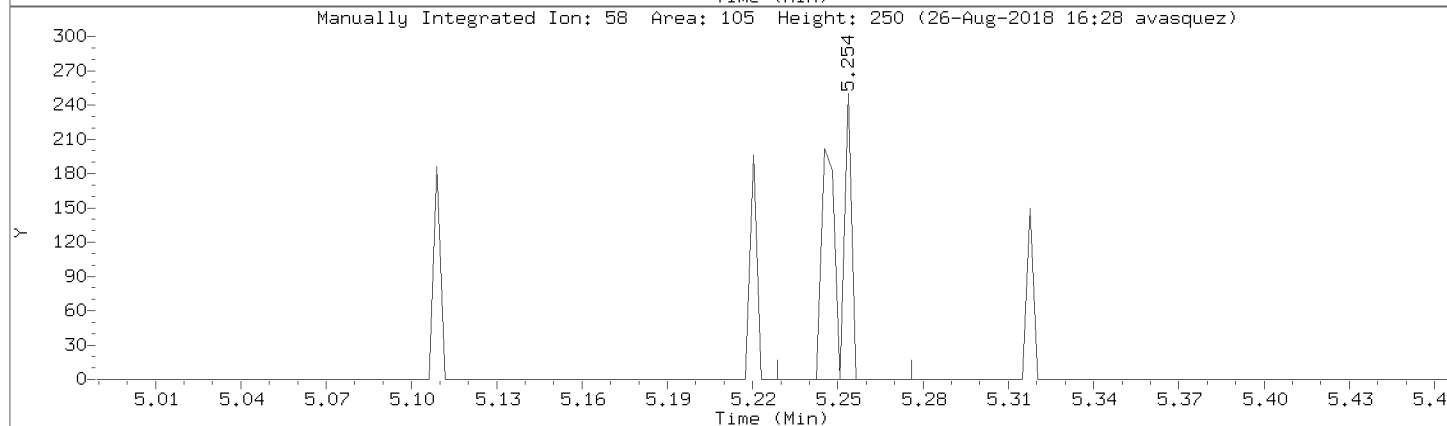
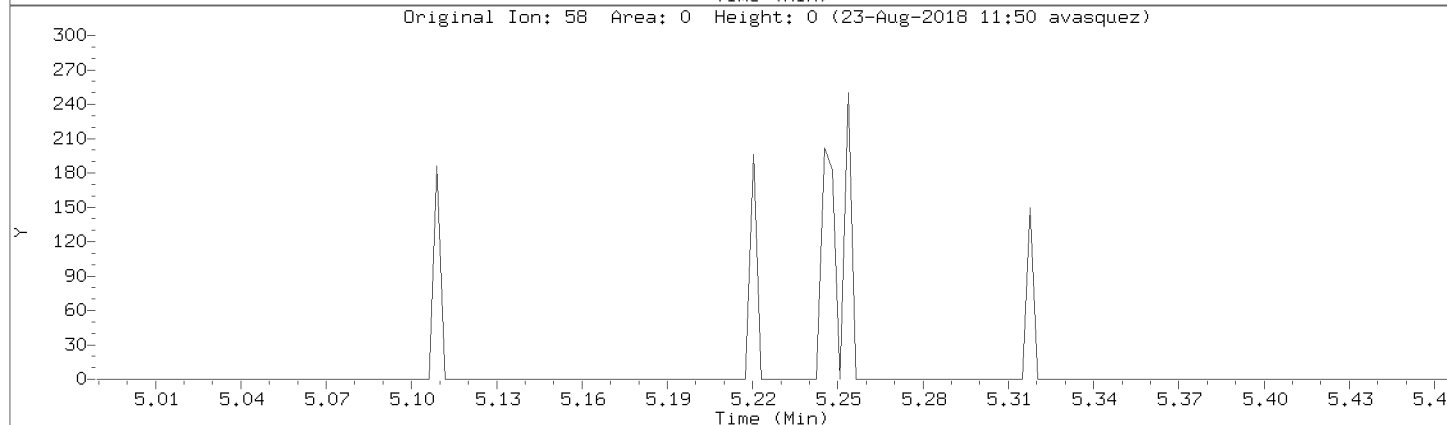
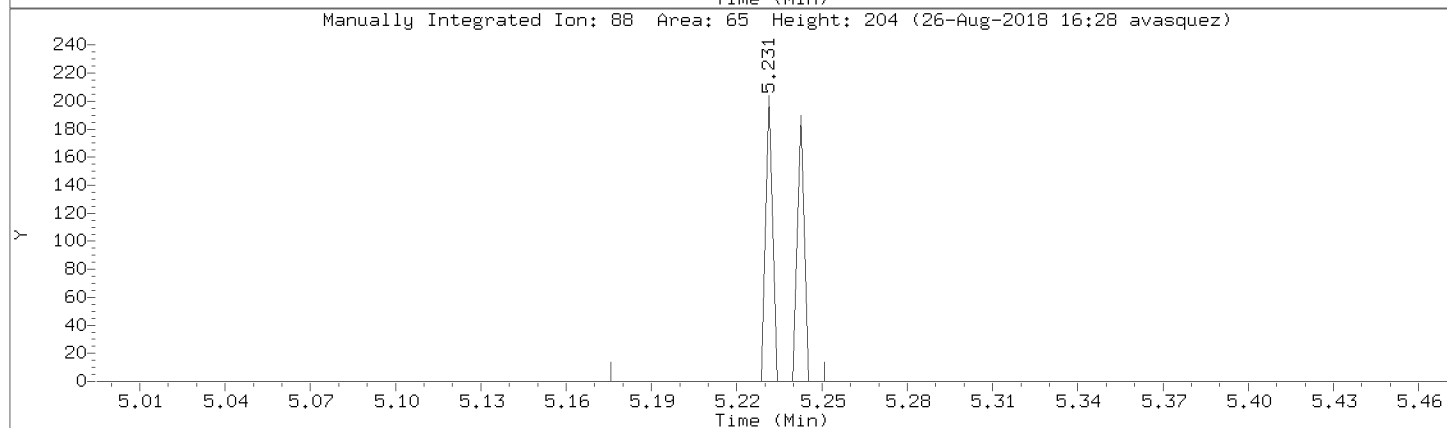
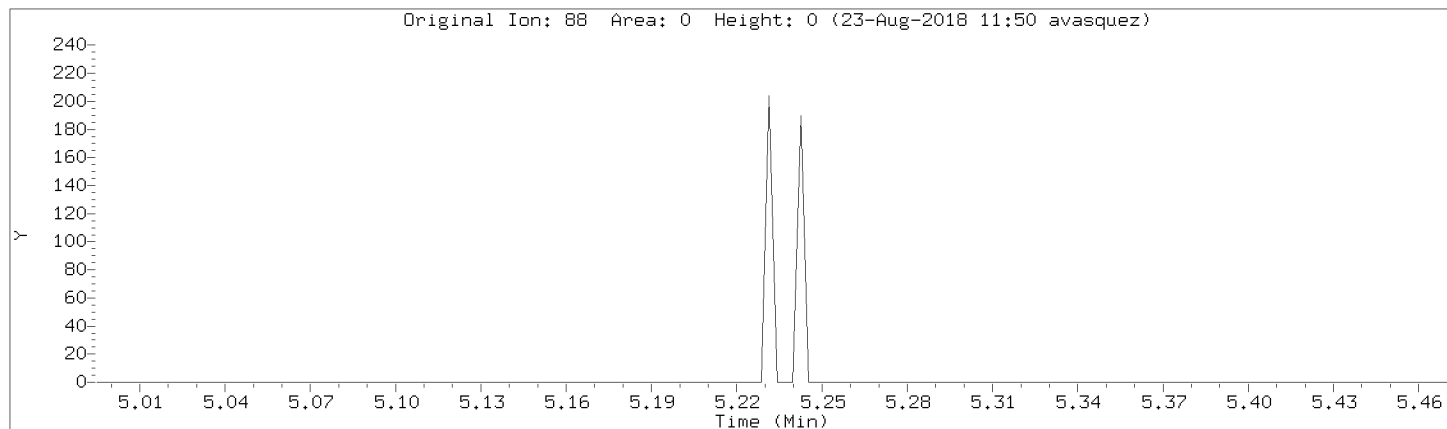
Instrument: 50mv2a.i

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

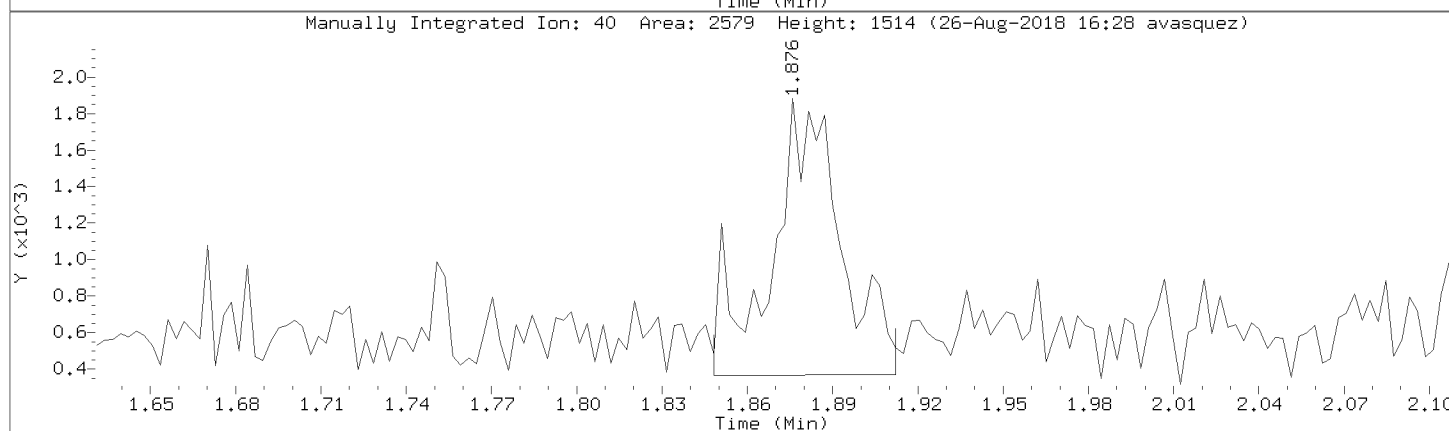
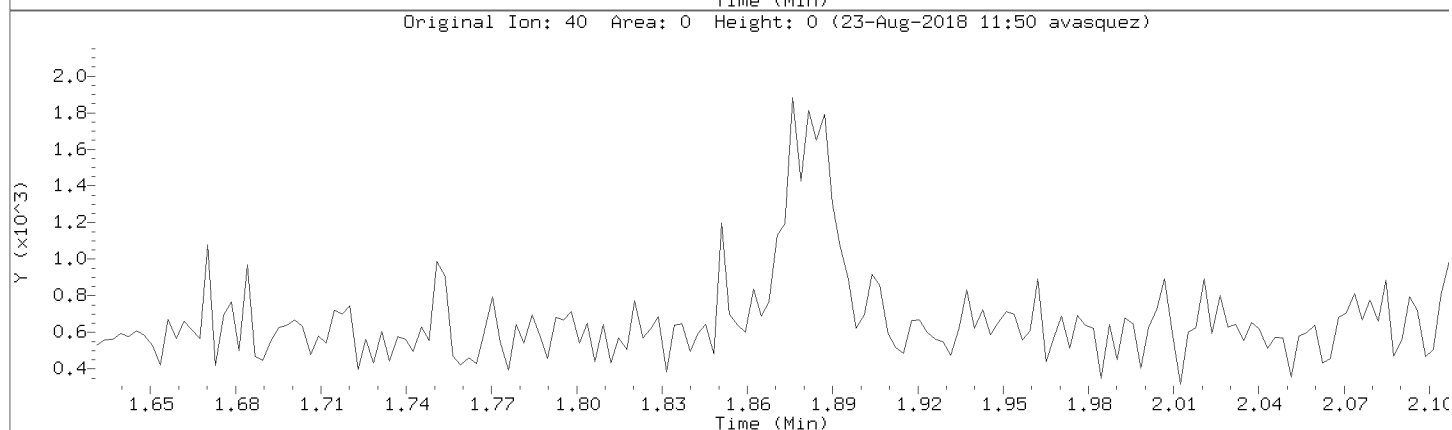
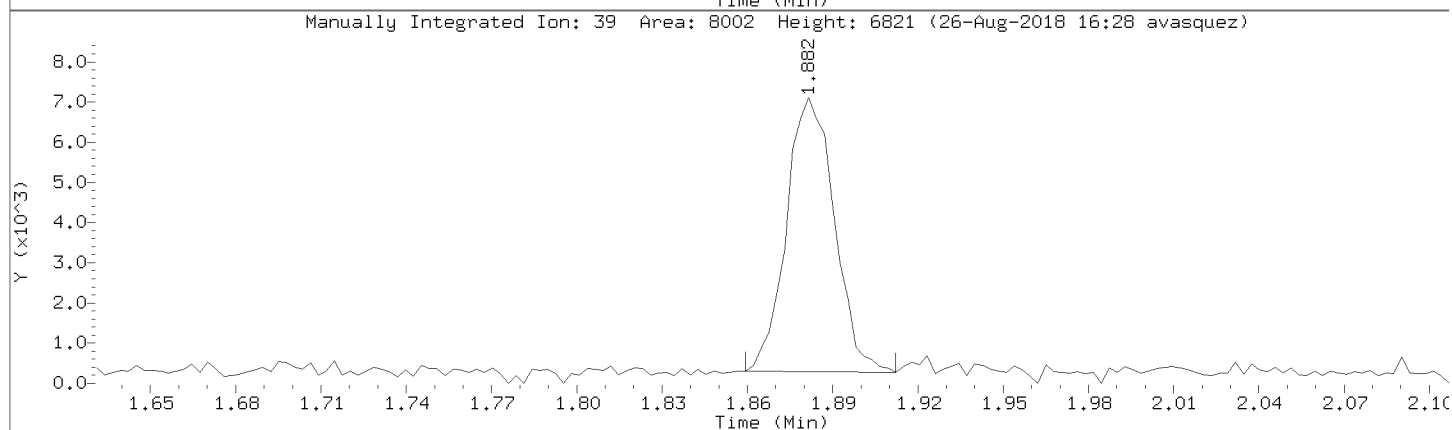
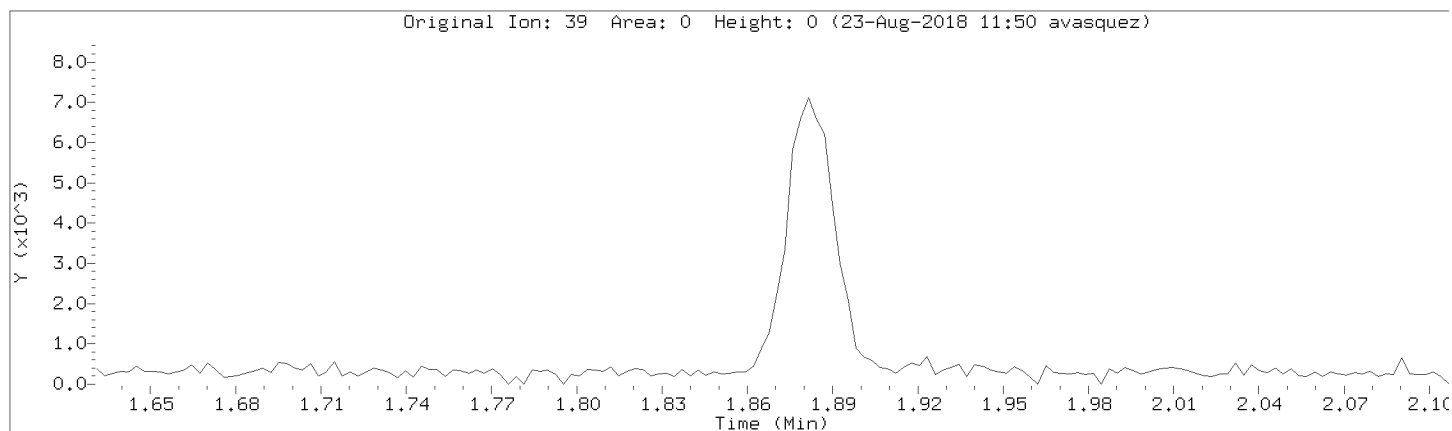
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

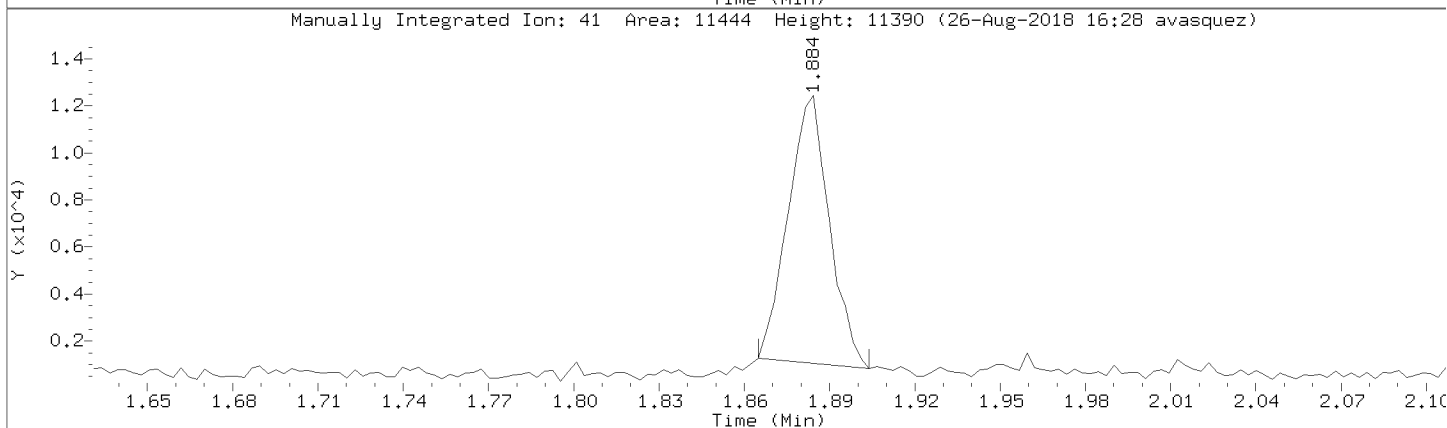
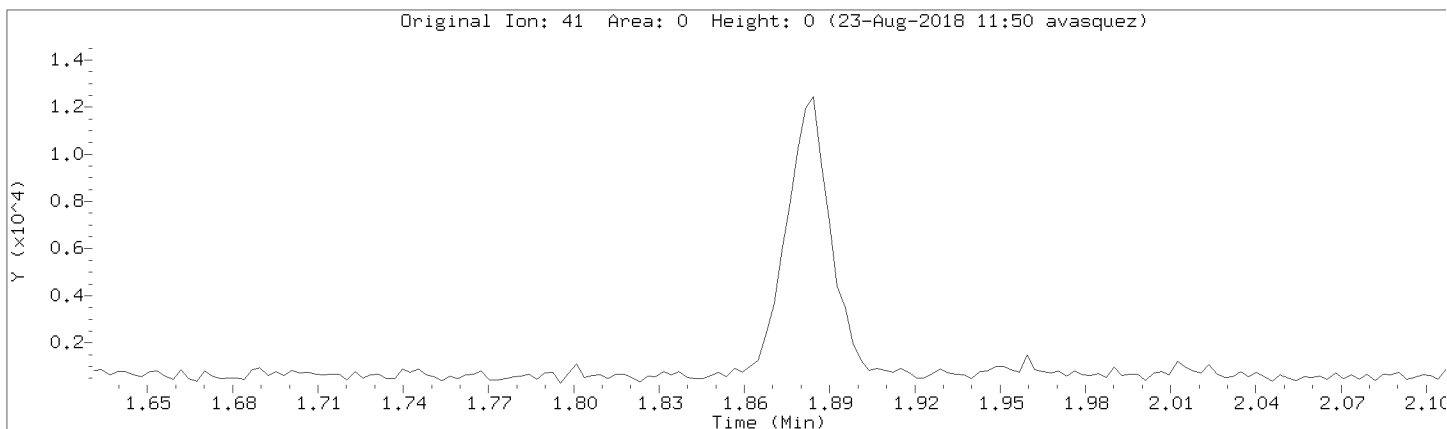
Compound: Acetonitrile

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



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Injection Date: 22-AUG-2018 15:24

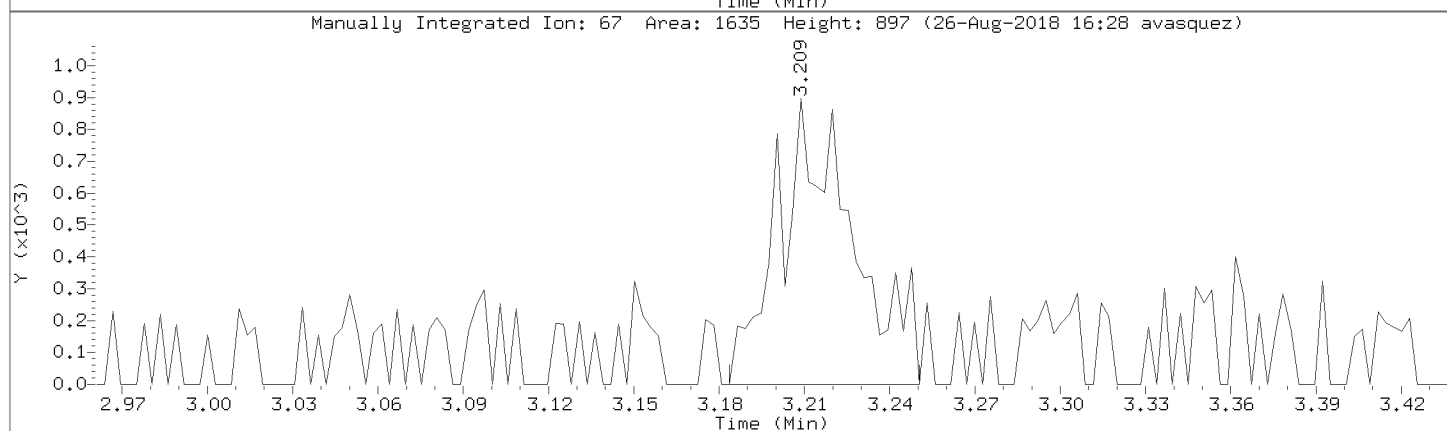
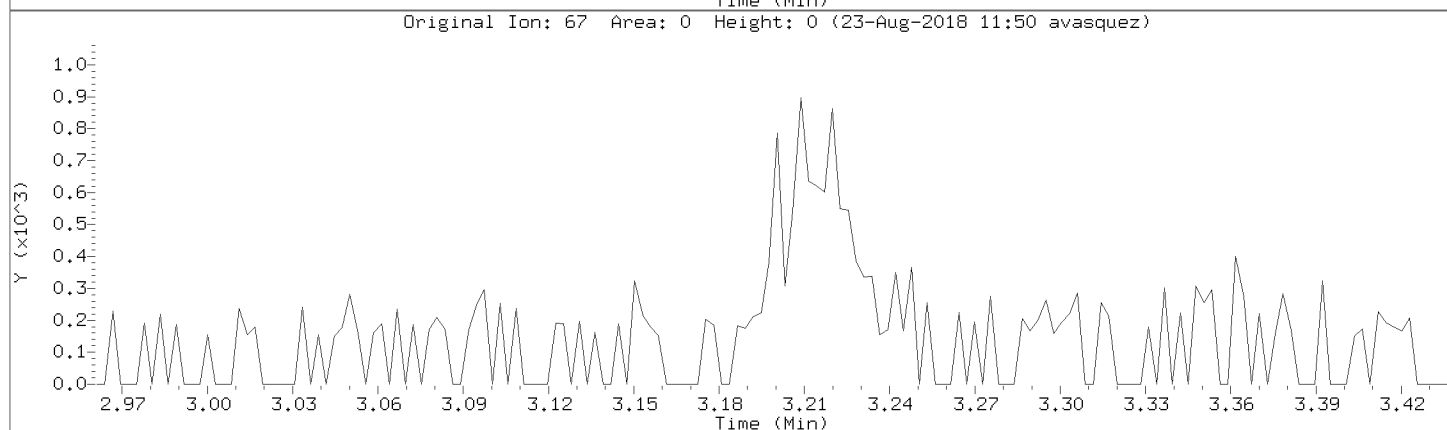
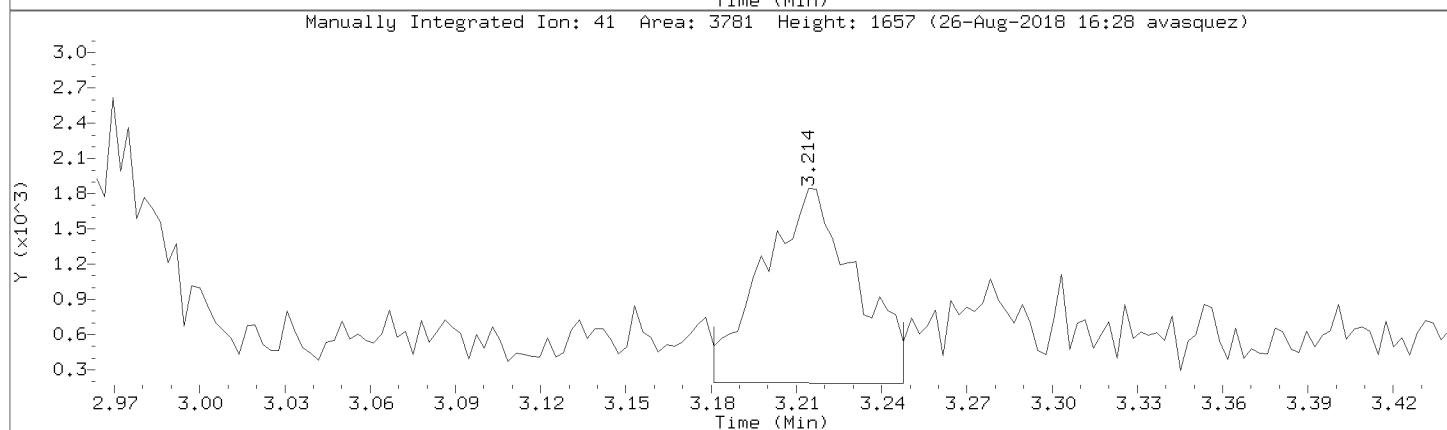
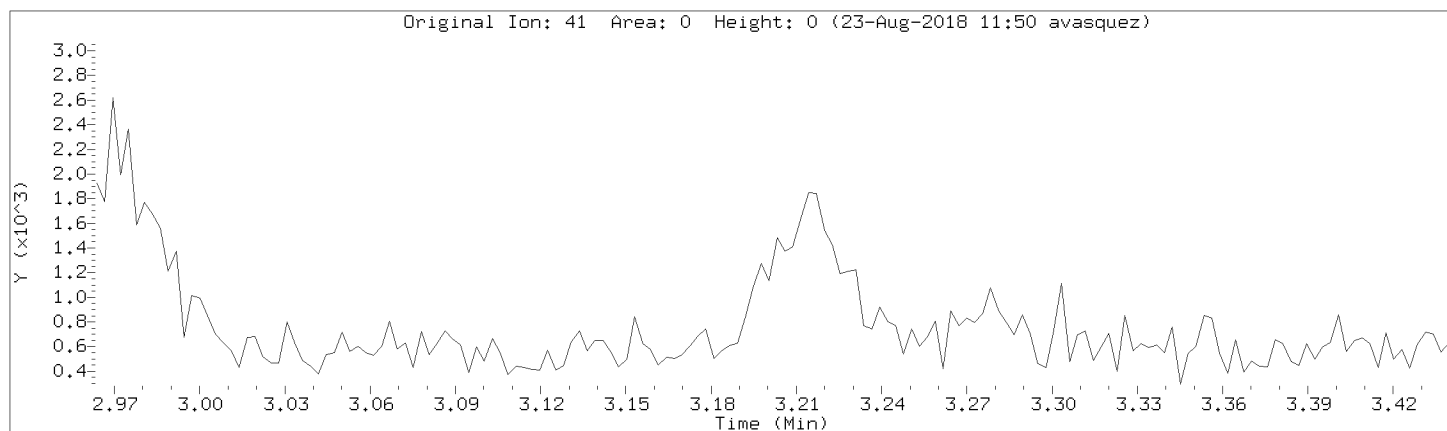
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: Methacrylonitrile

Review Code: NI

CAS Number: 126-98-7

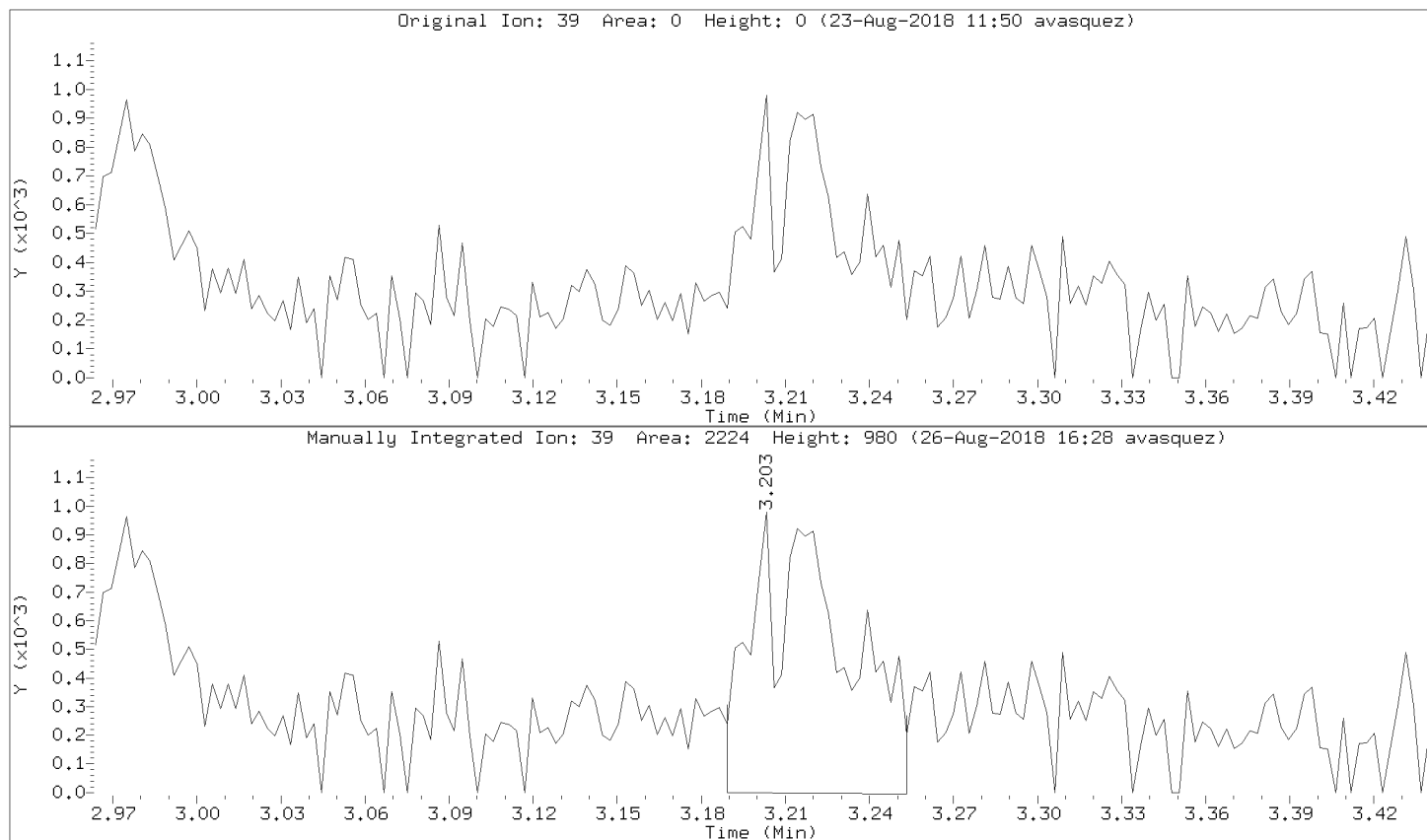


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Injection Date: 22-AUG-2018 15:24

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3



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Injection Date: 22-AUG-2018 15:24

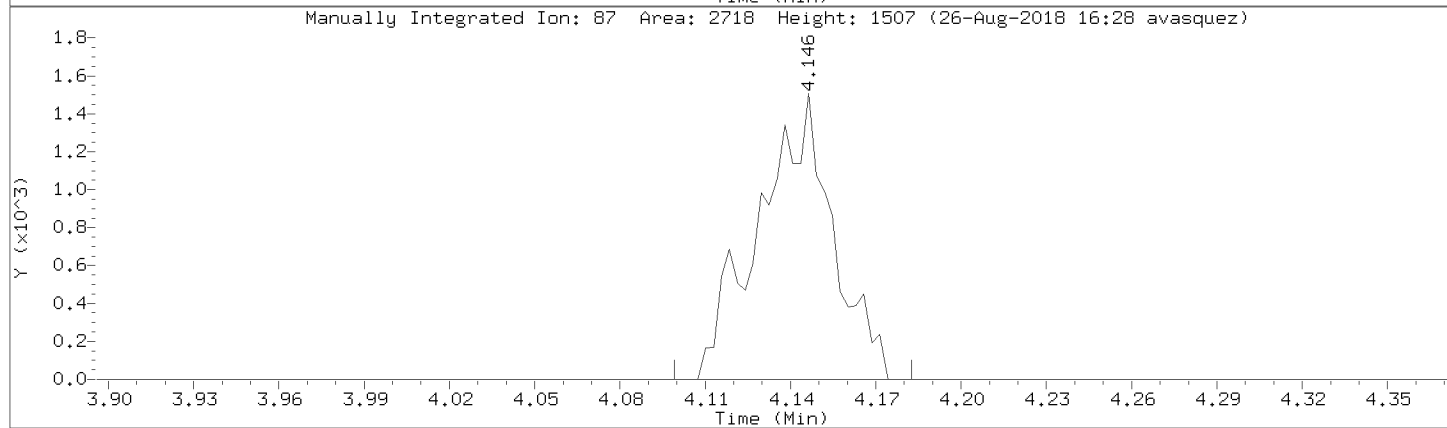
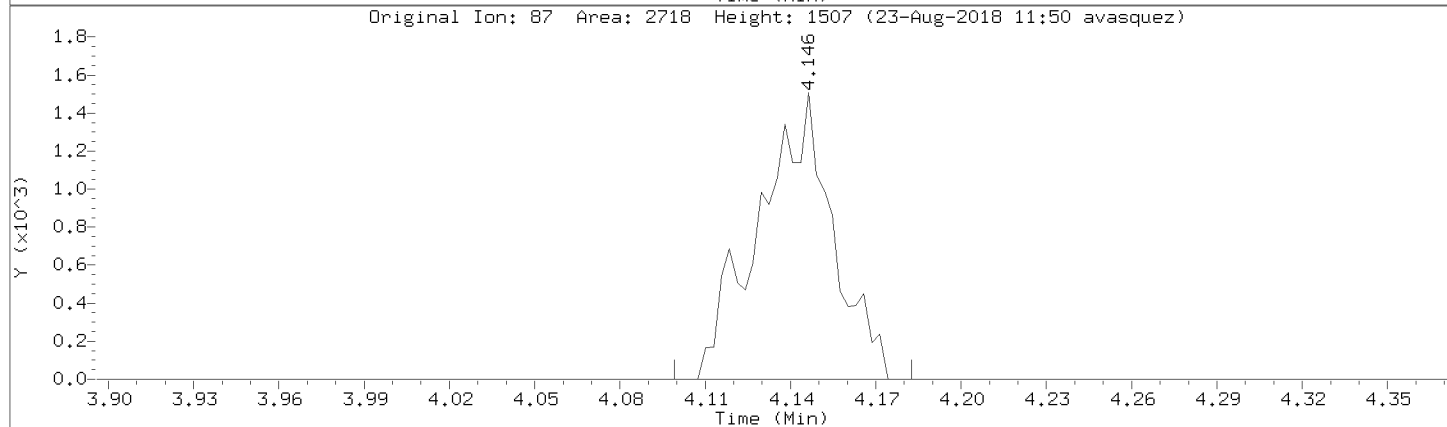
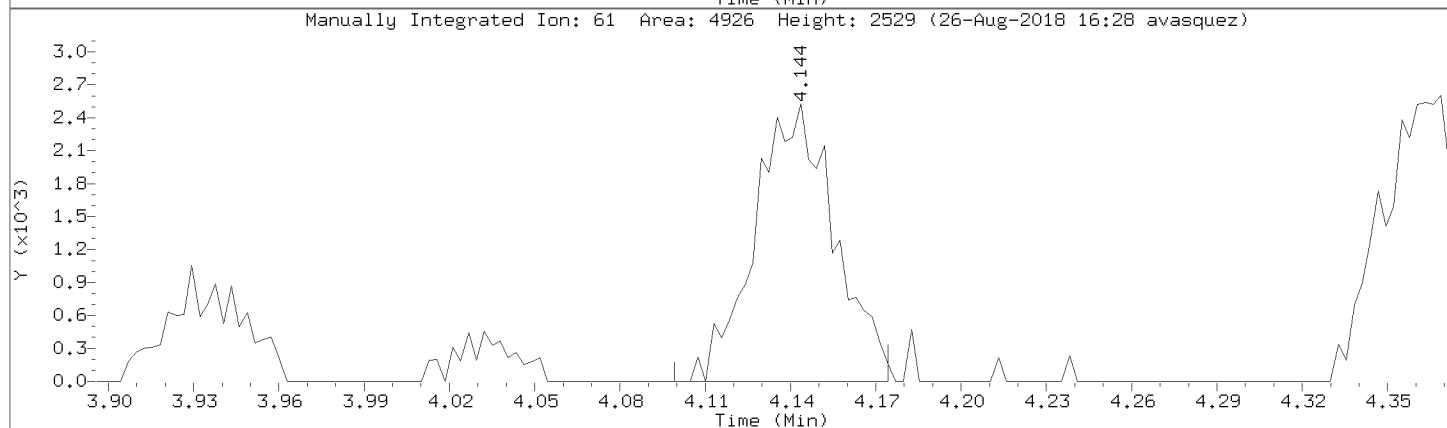
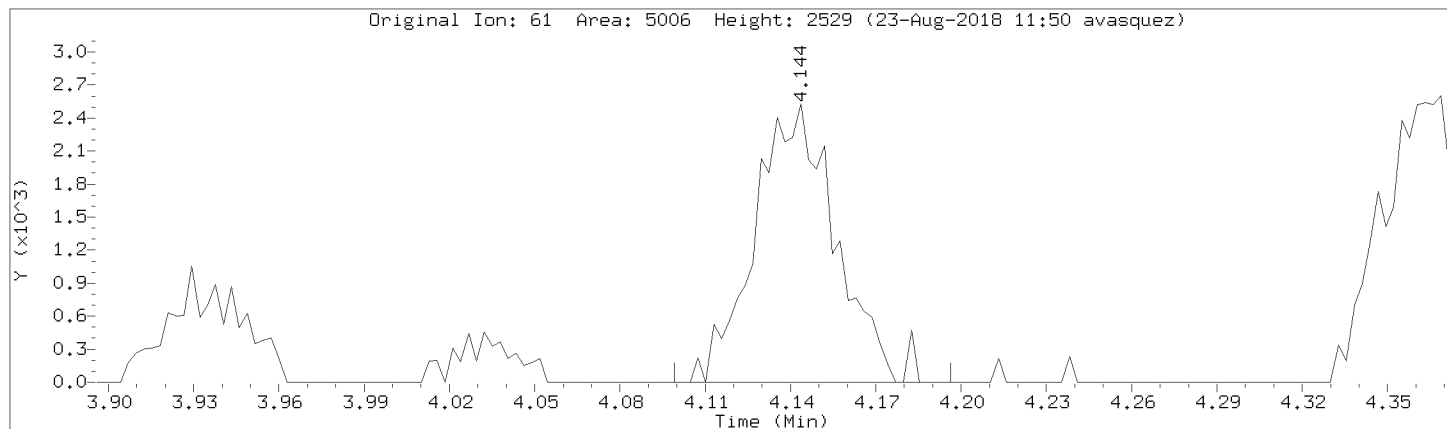
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: isopropyl acetate

Review Code:

CAS Number: 108-21-4

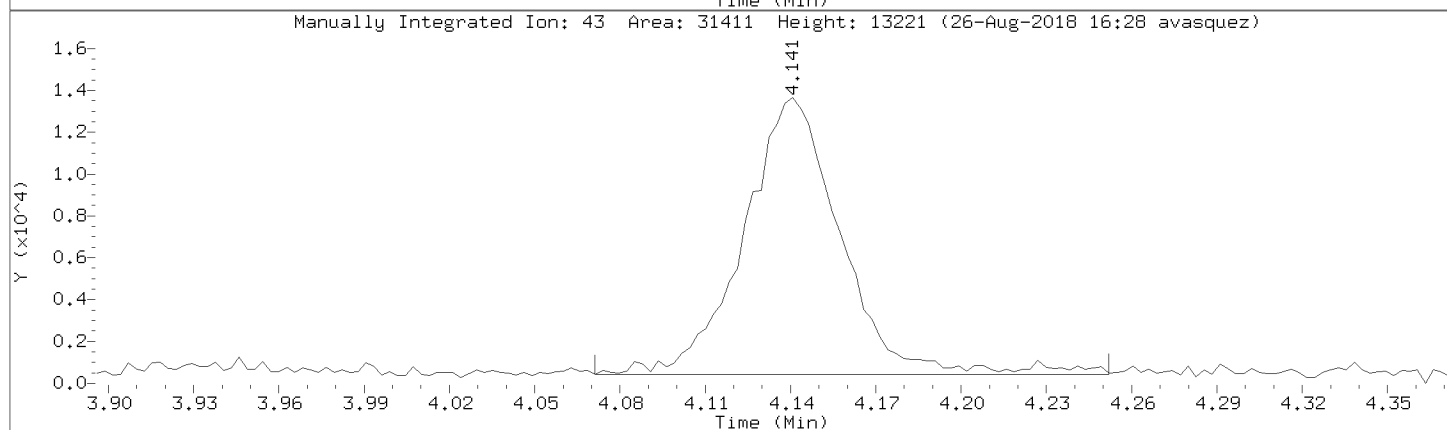
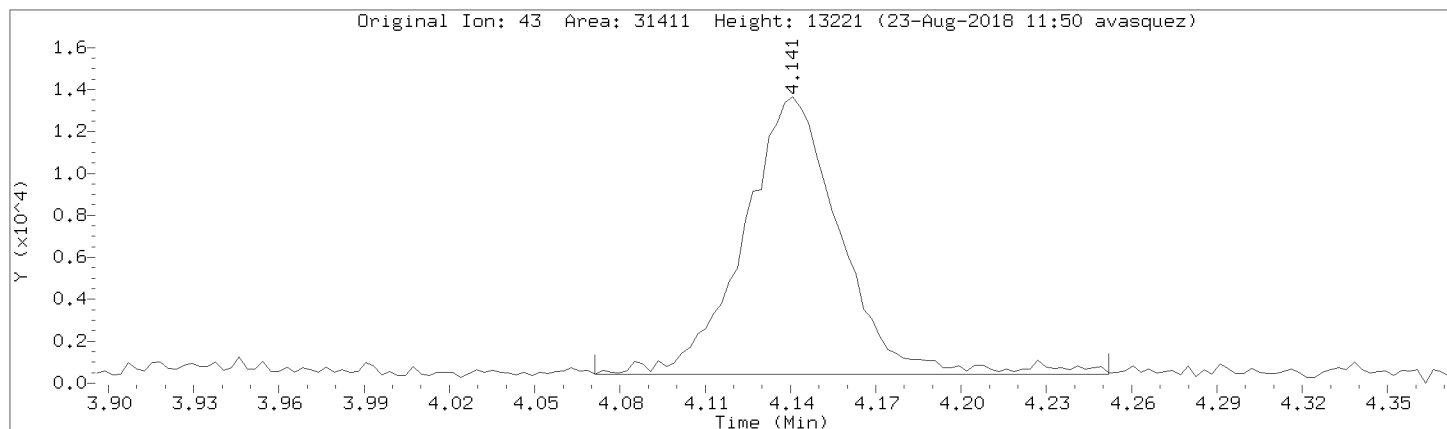


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a04cal.d

Injection Date: 22-AUG-2018 15:24

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3



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

Injection Date: 22-AUG-2018 15:24

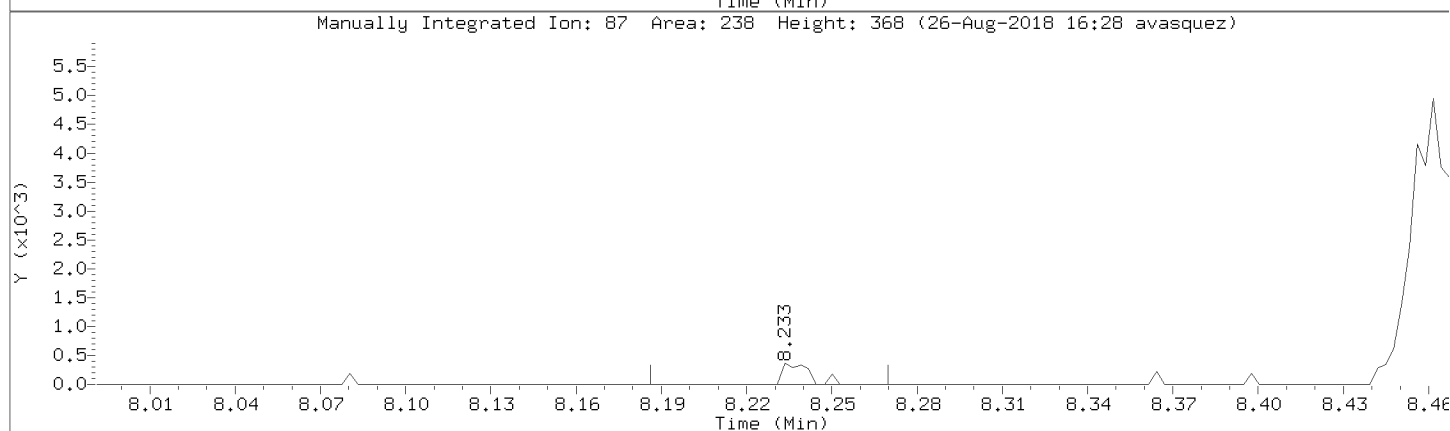
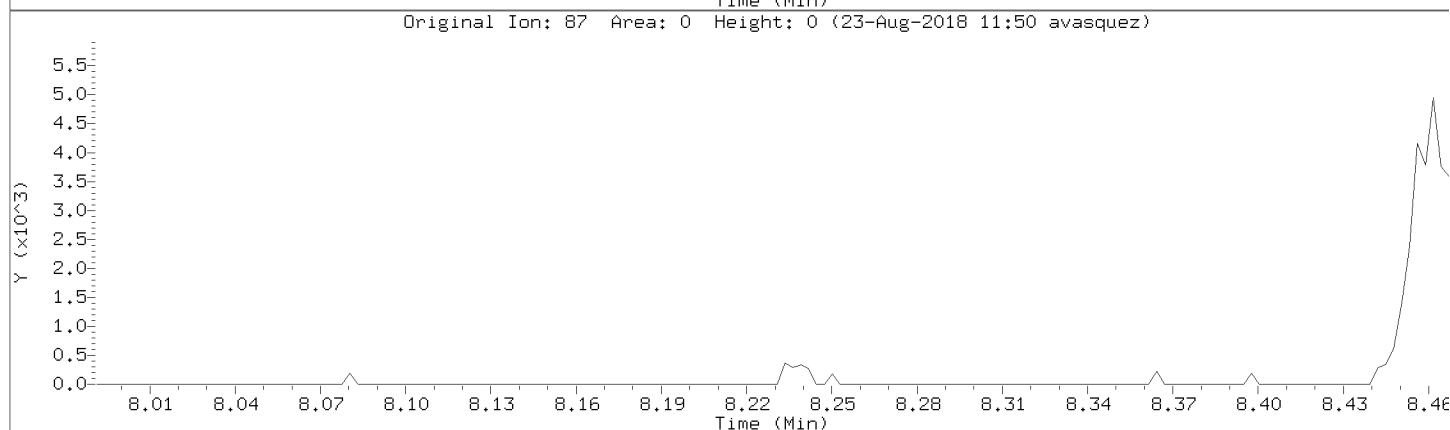
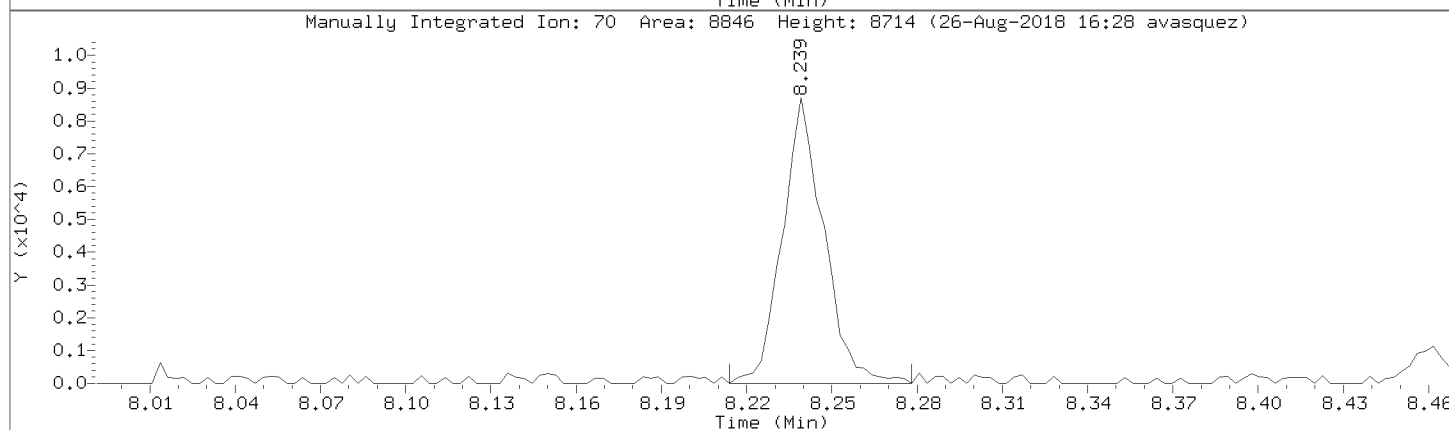
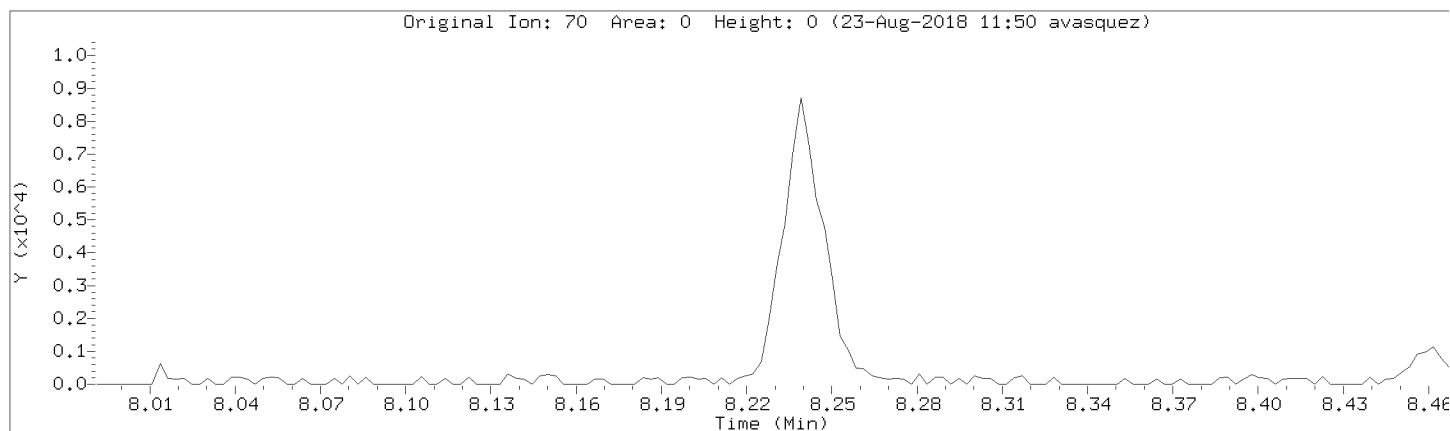
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

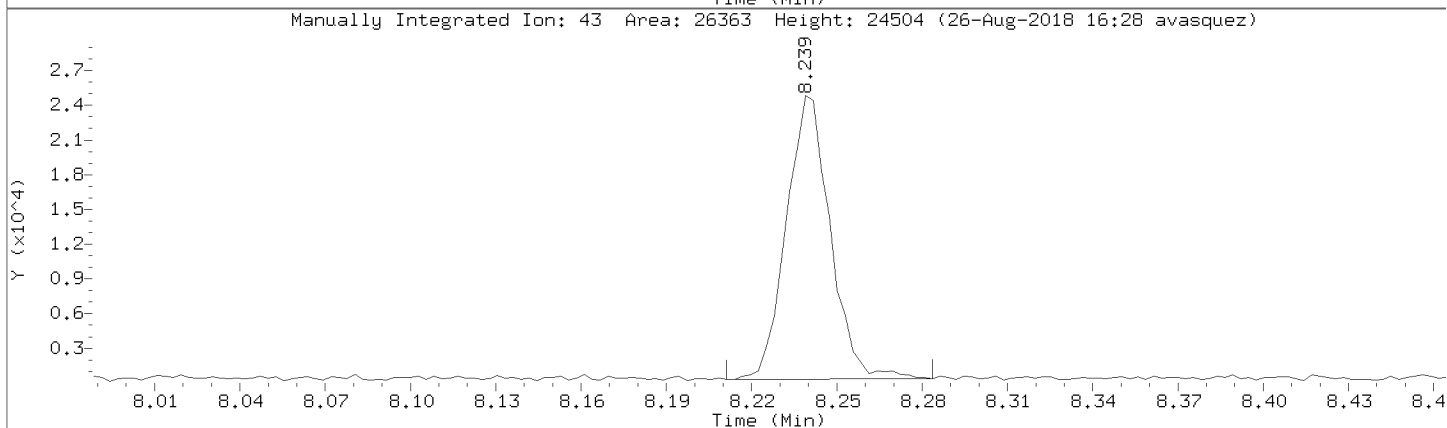
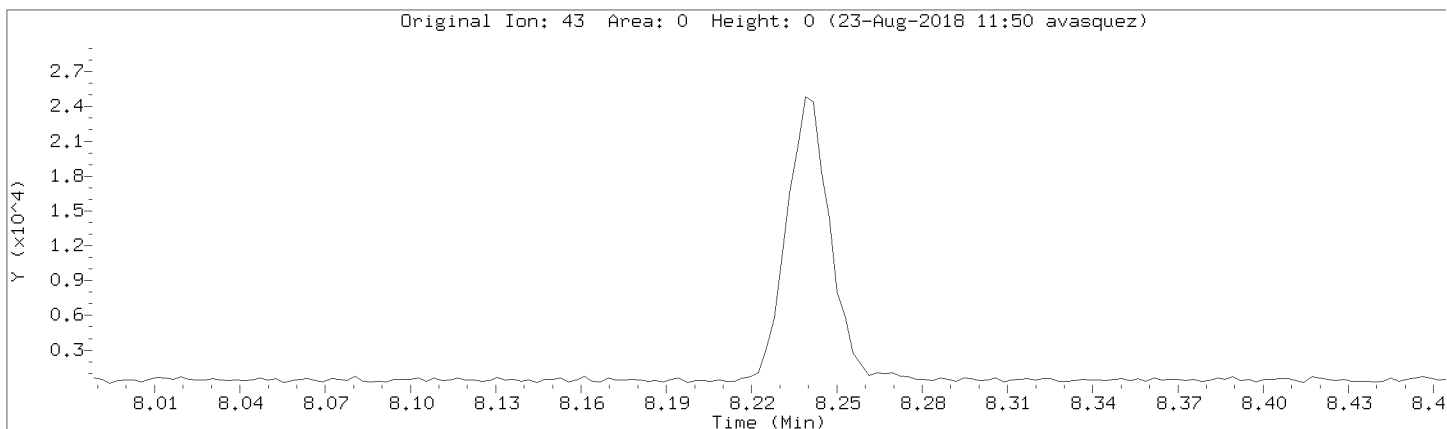
Compound: n-amyl acetate

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



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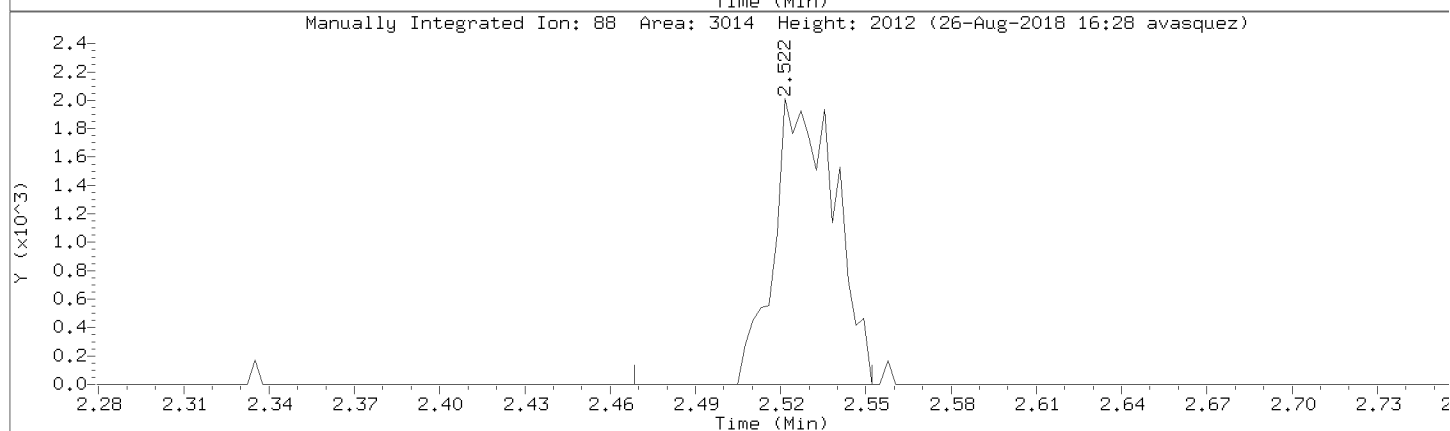
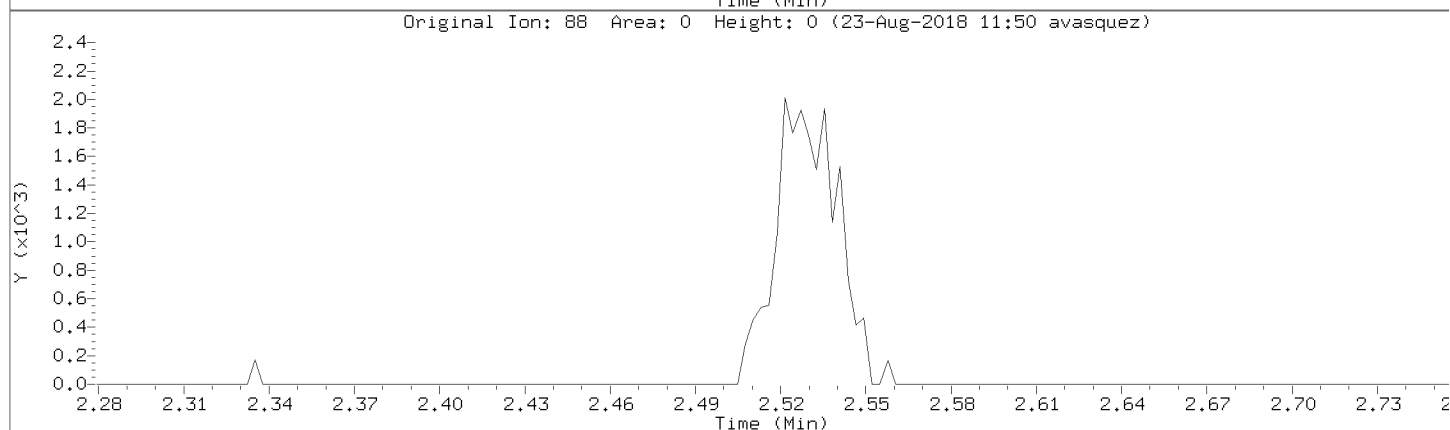
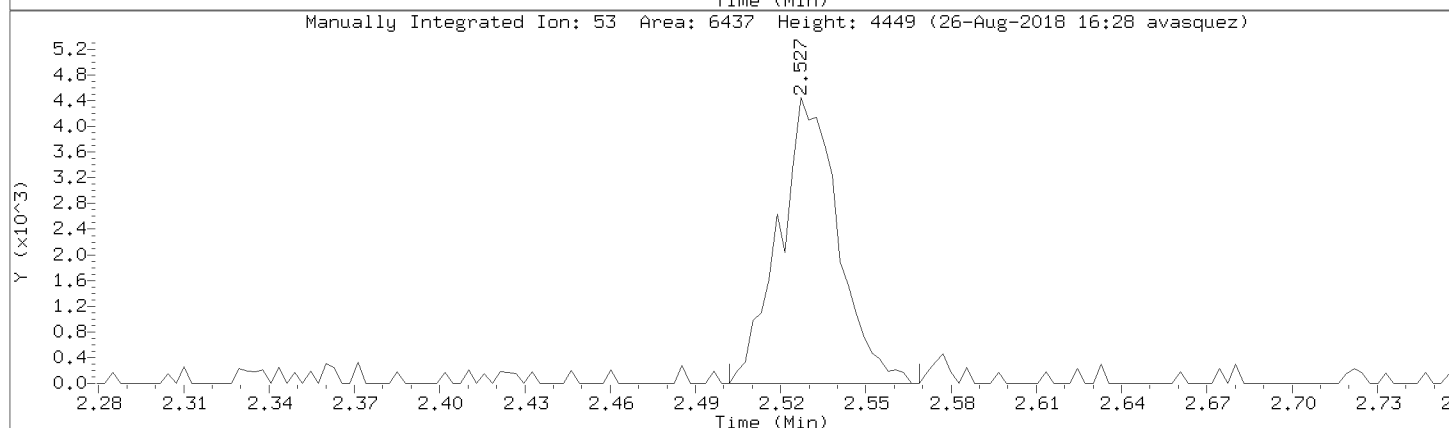
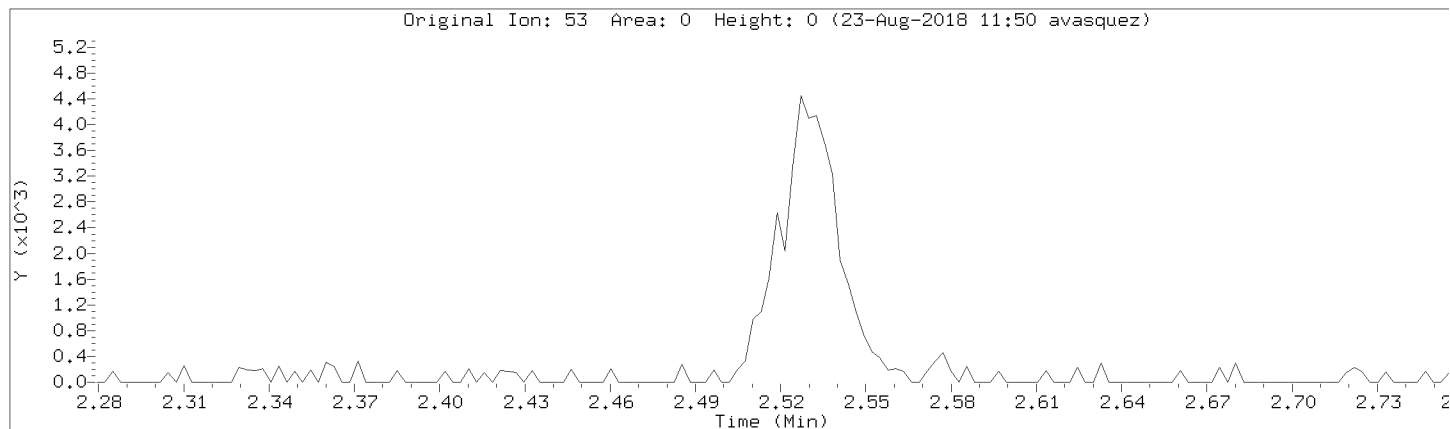
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

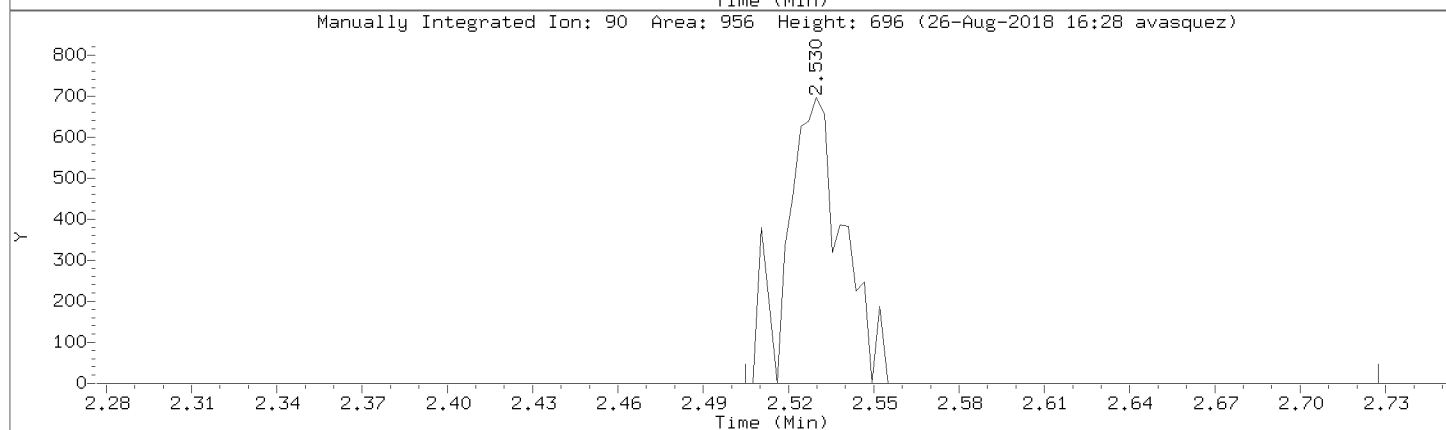
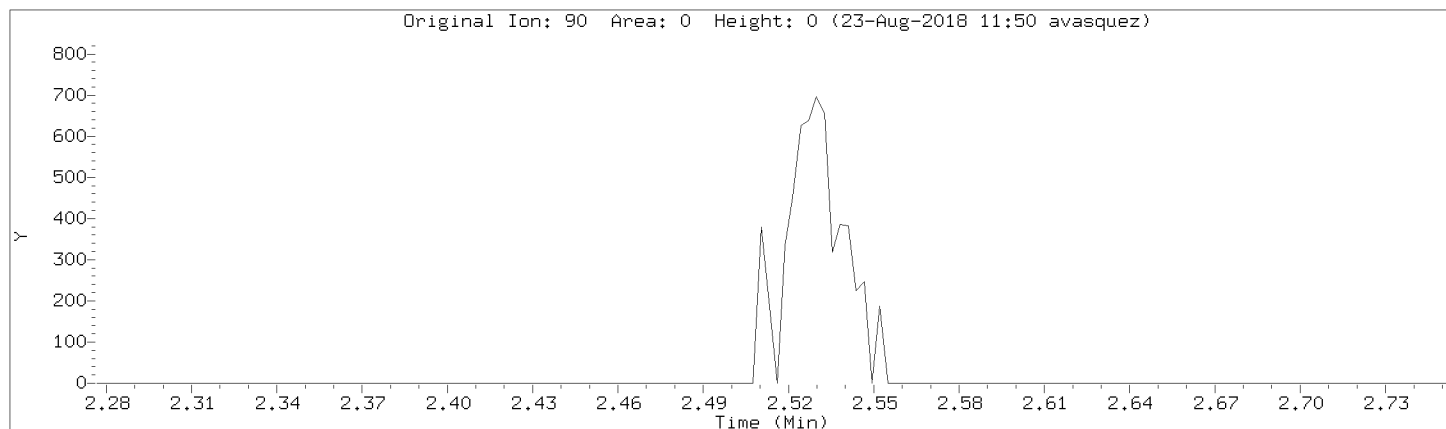
Compound: Chloroprene

Review Code: NI

CAS Number: 126-99-8

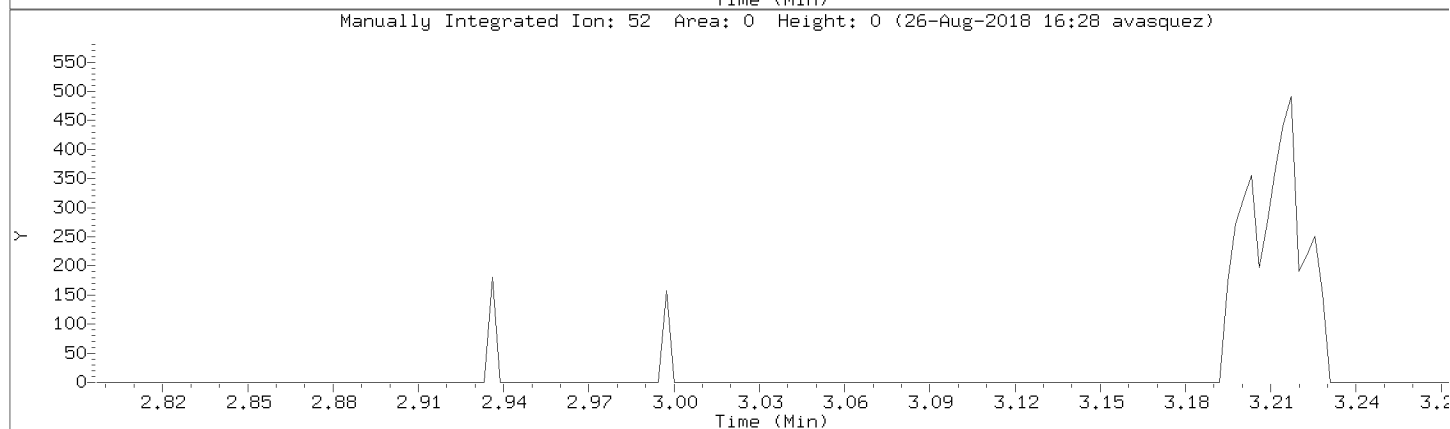
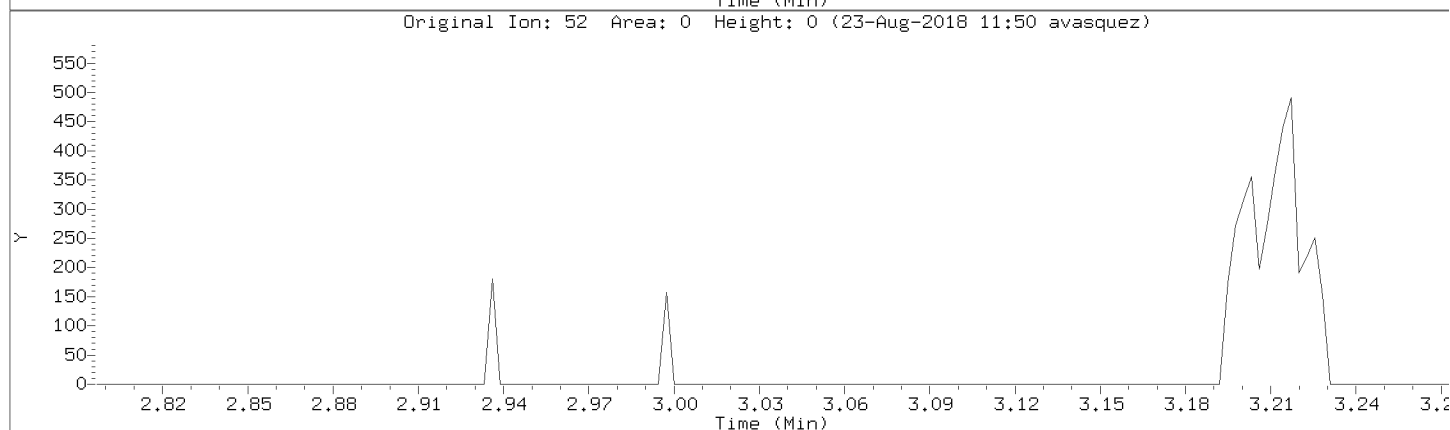
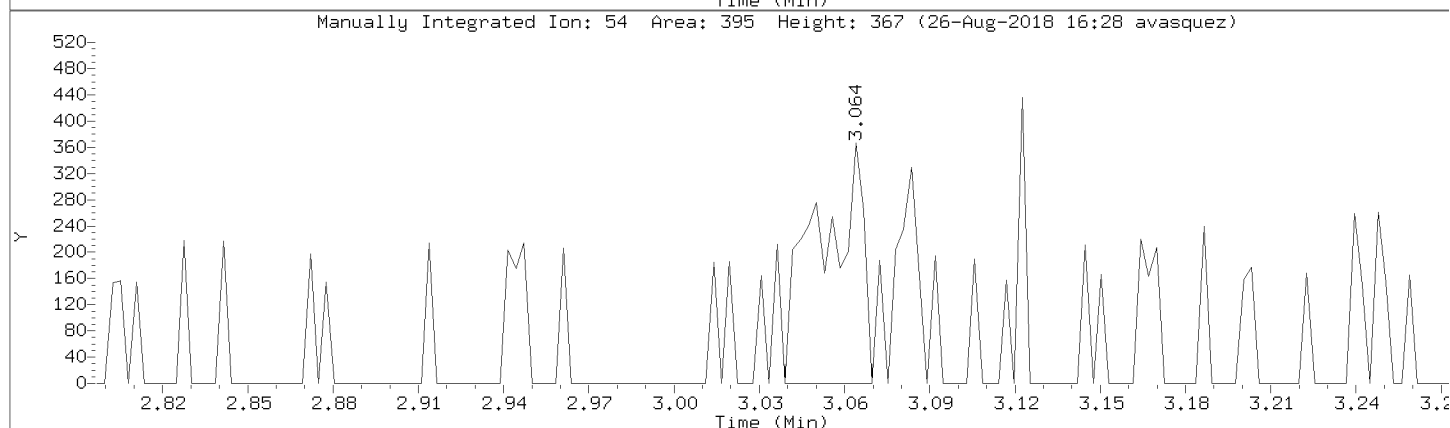
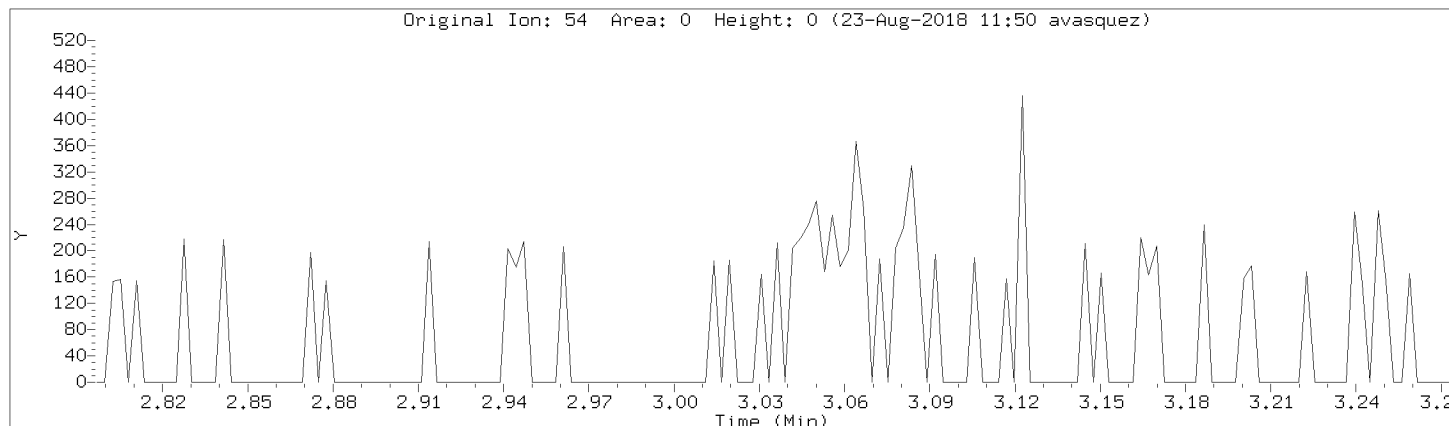


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Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

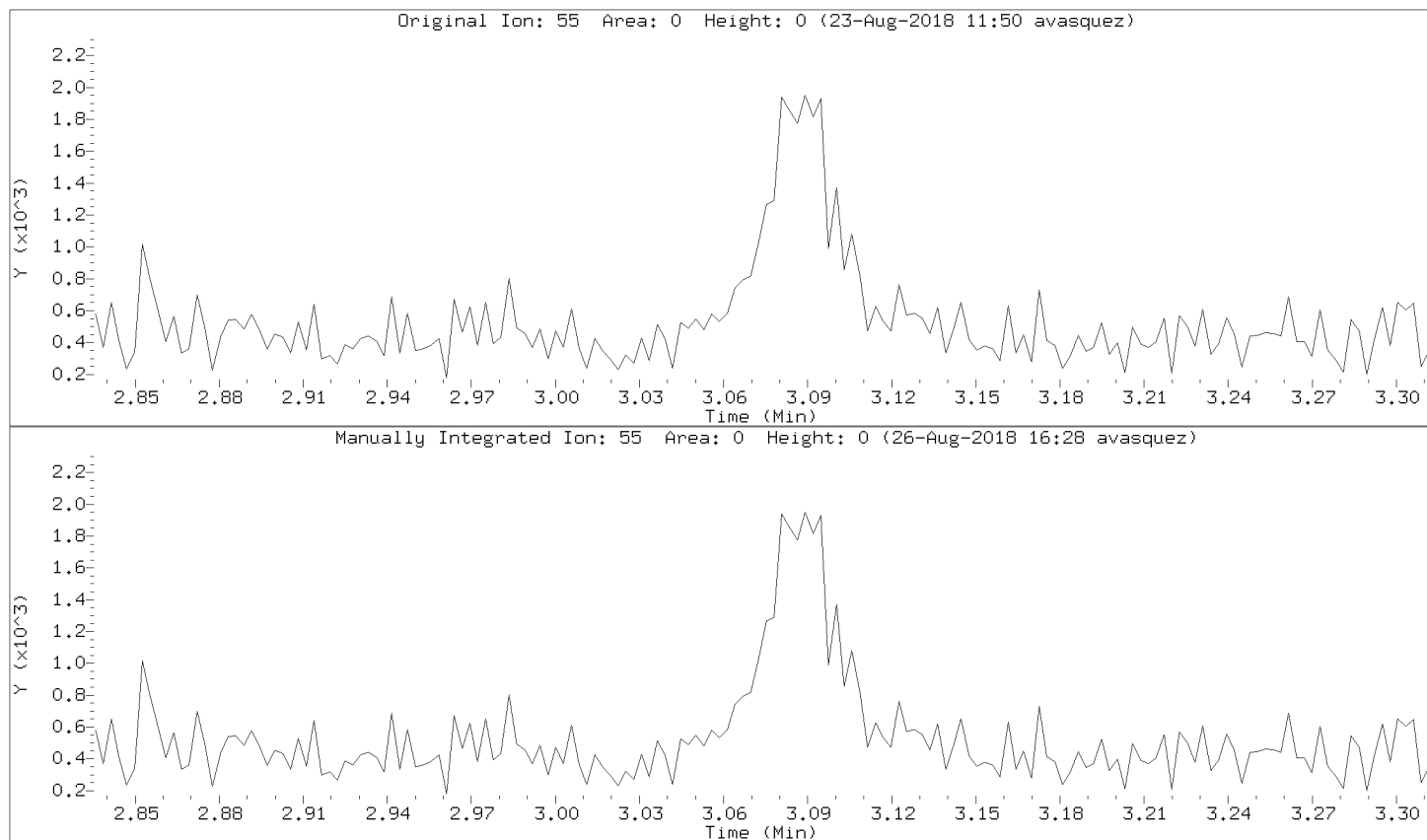


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Injection Date: 22-AUG-2018 15:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3

Compound: Propionitrile Review Code: NI
CAS Number: 107-12-0



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

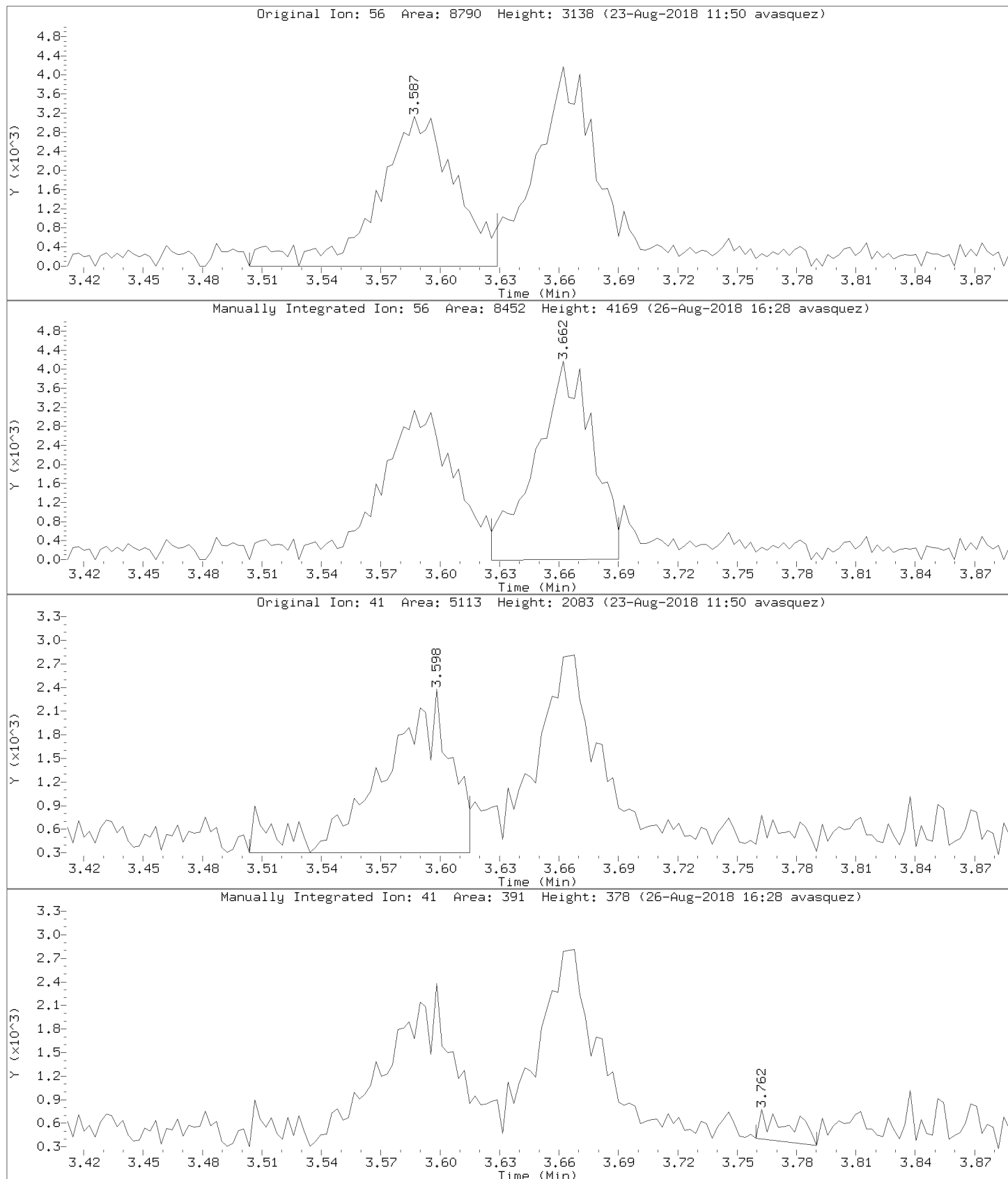
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL3

Compound: n-butyl chloride

Review Code: WP

CAS Number: 109-69-3



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\082218.b\05cal.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\082218.b\05cal.d
 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

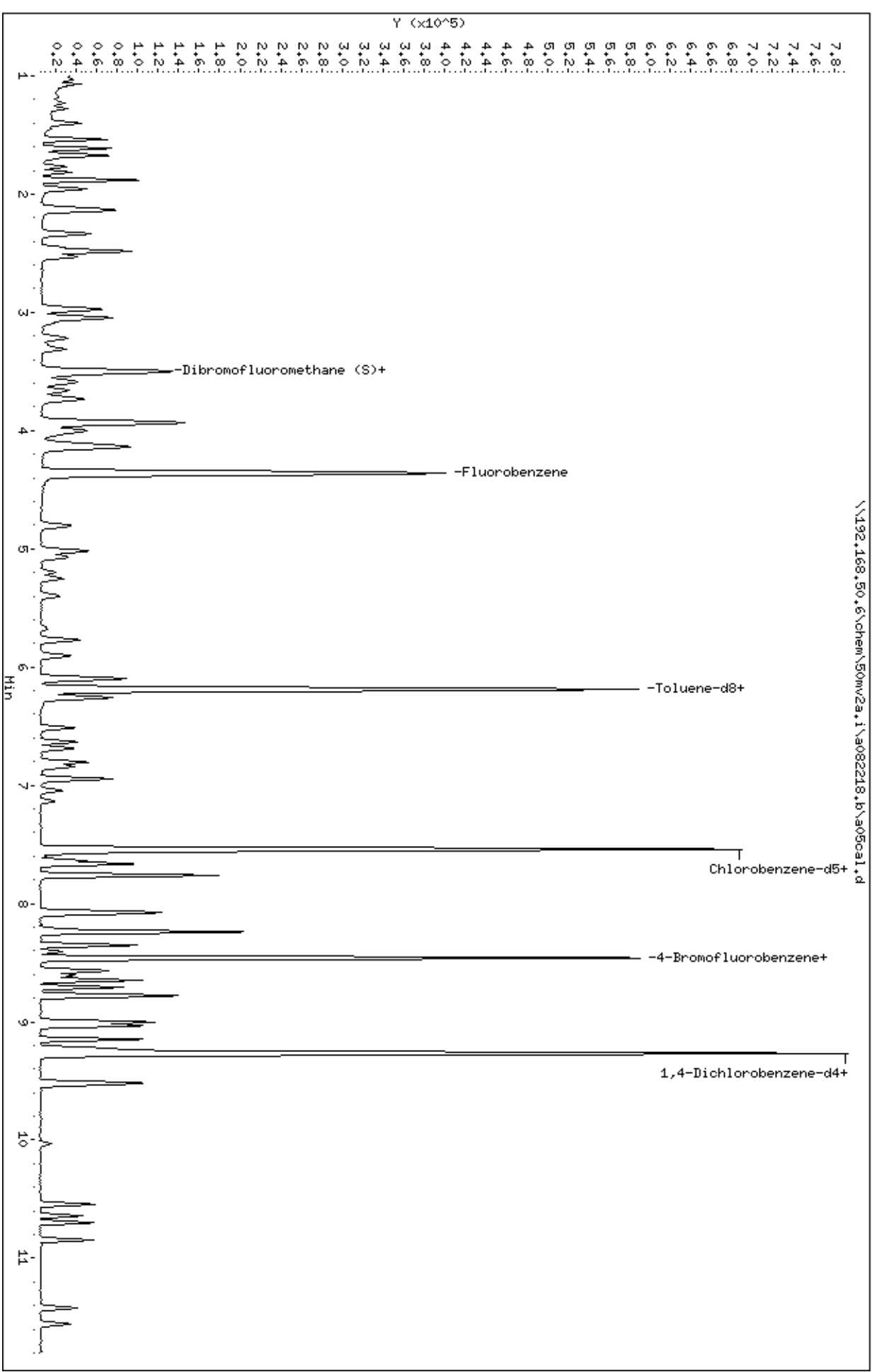
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

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
Date: 22-AUG-2018 15:57
Client ID: 8260-CAL4
Sample Info: 8260-CAL4,18442210
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

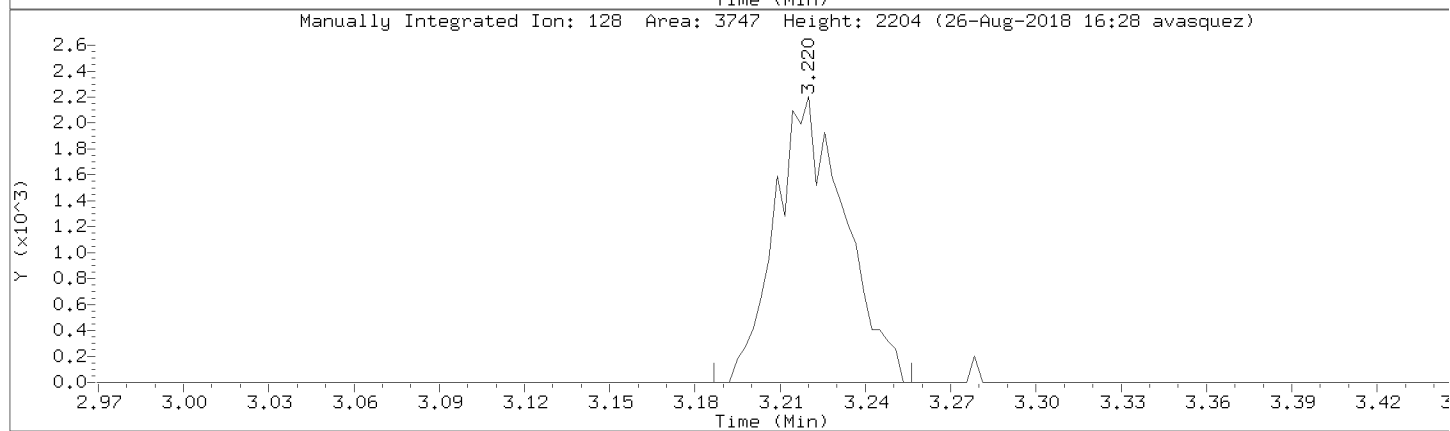
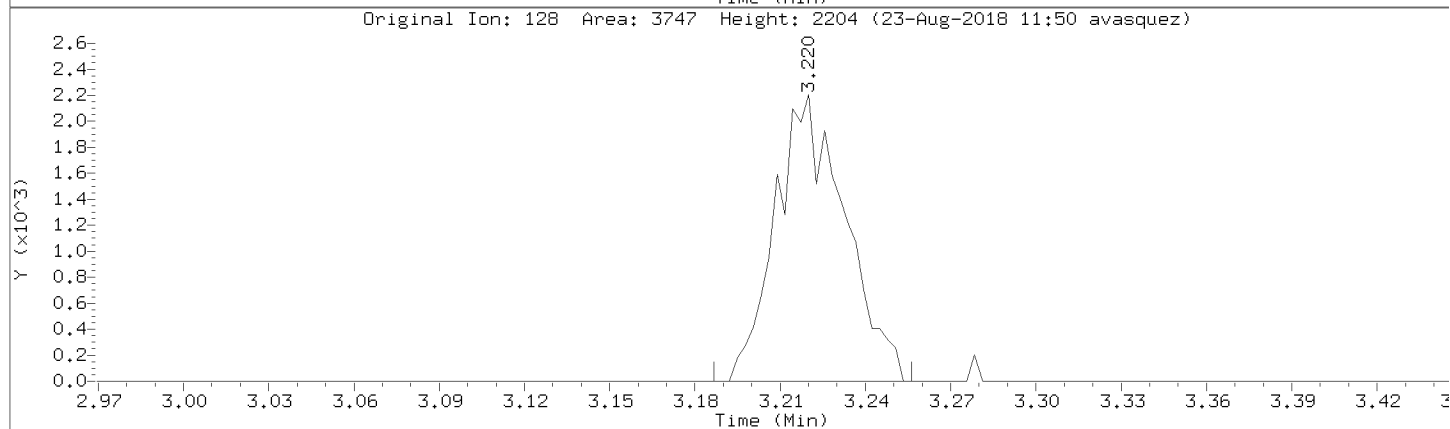
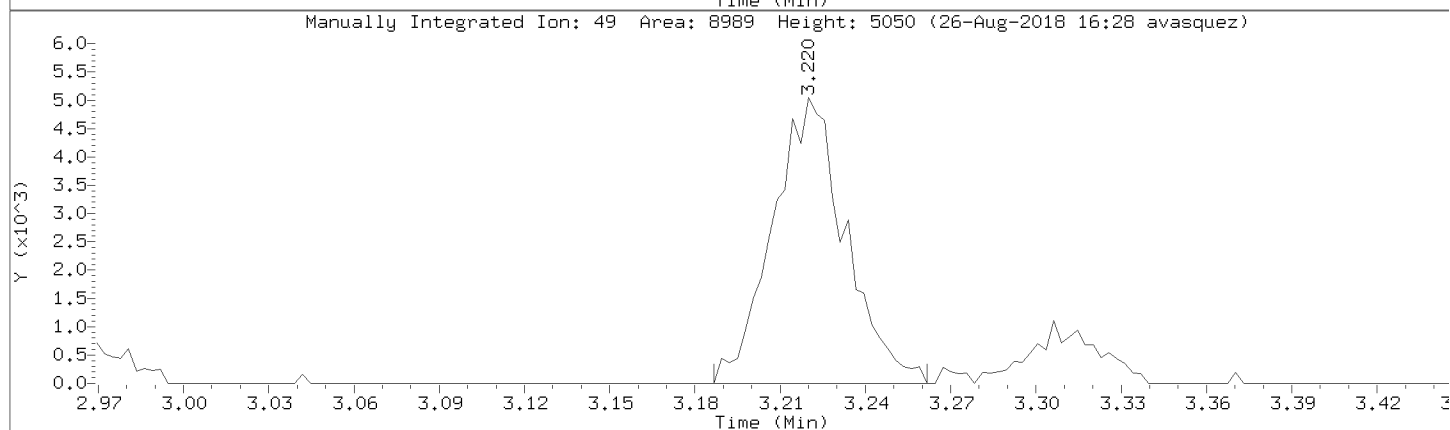
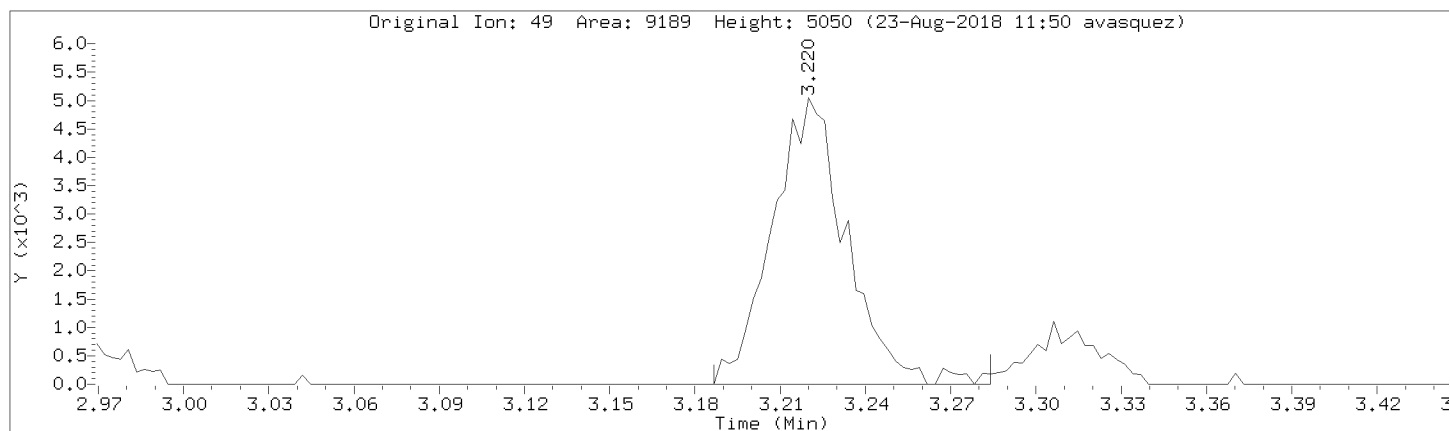
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: Bromochloromethane

Review Code: GT

CAS Number: 74-97-5

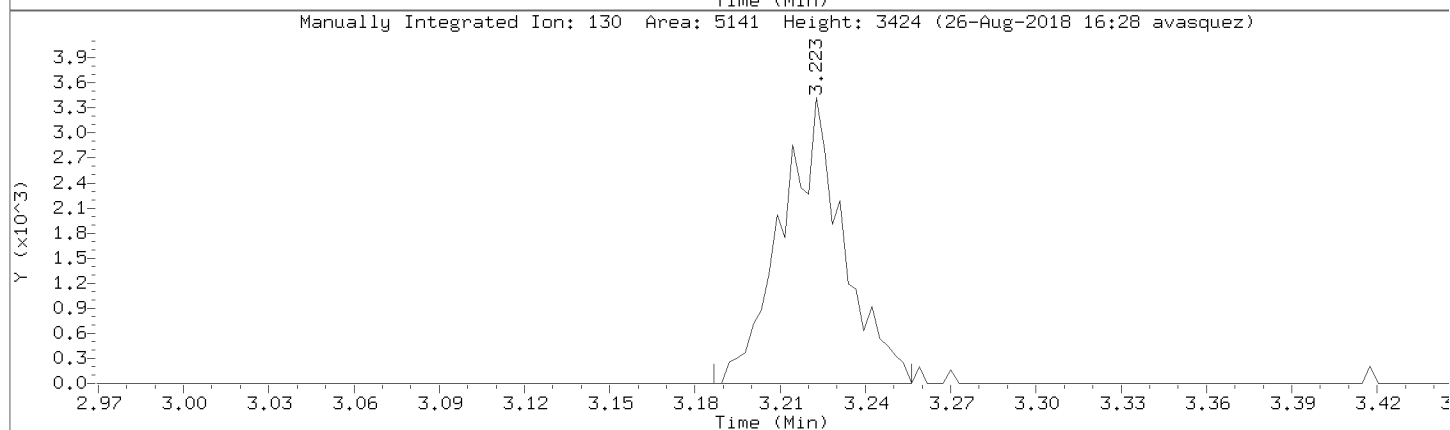
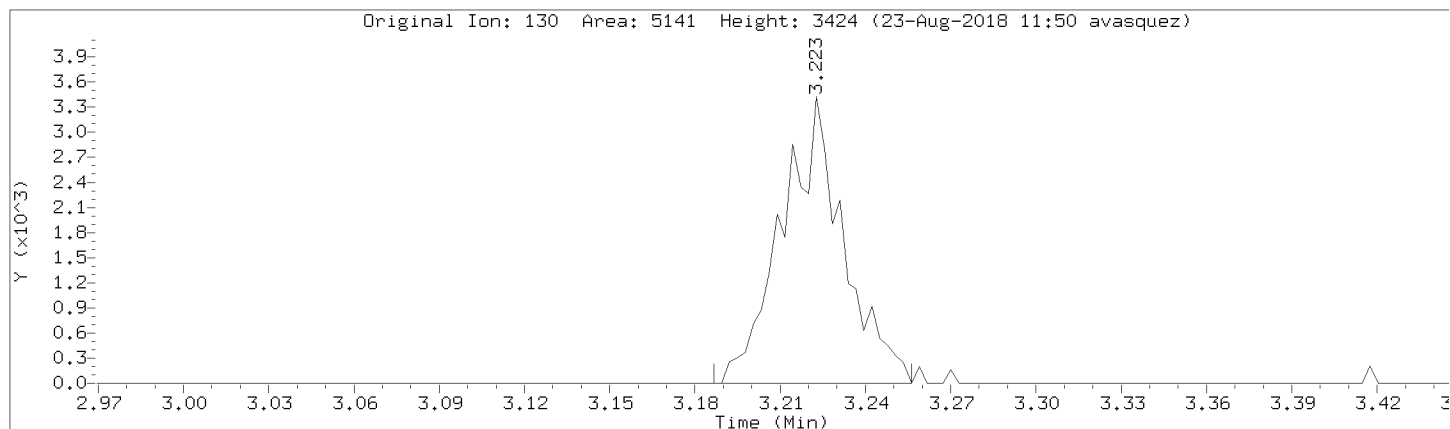


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a05cal.d

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

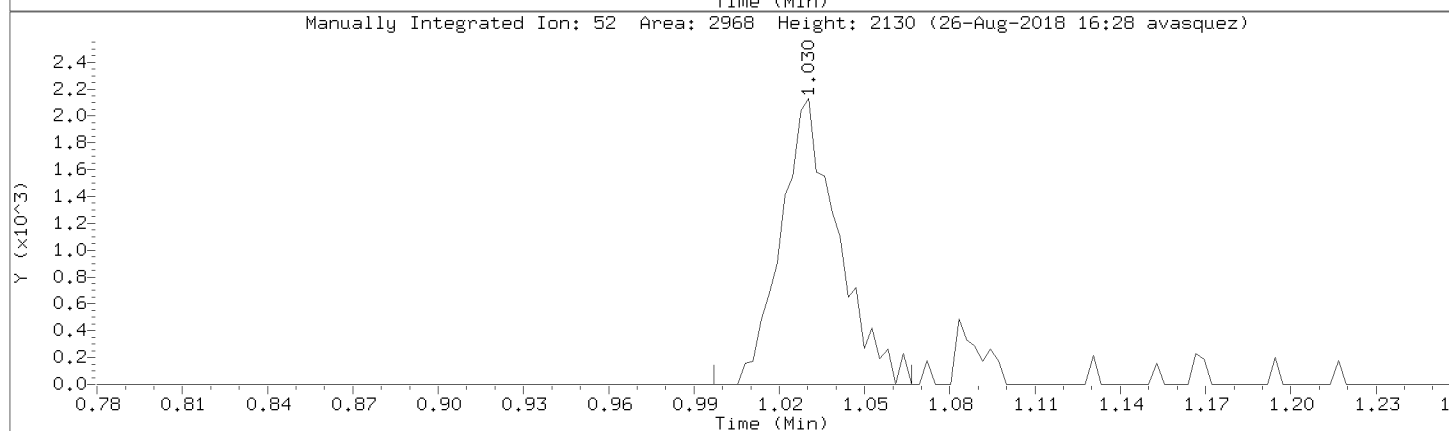
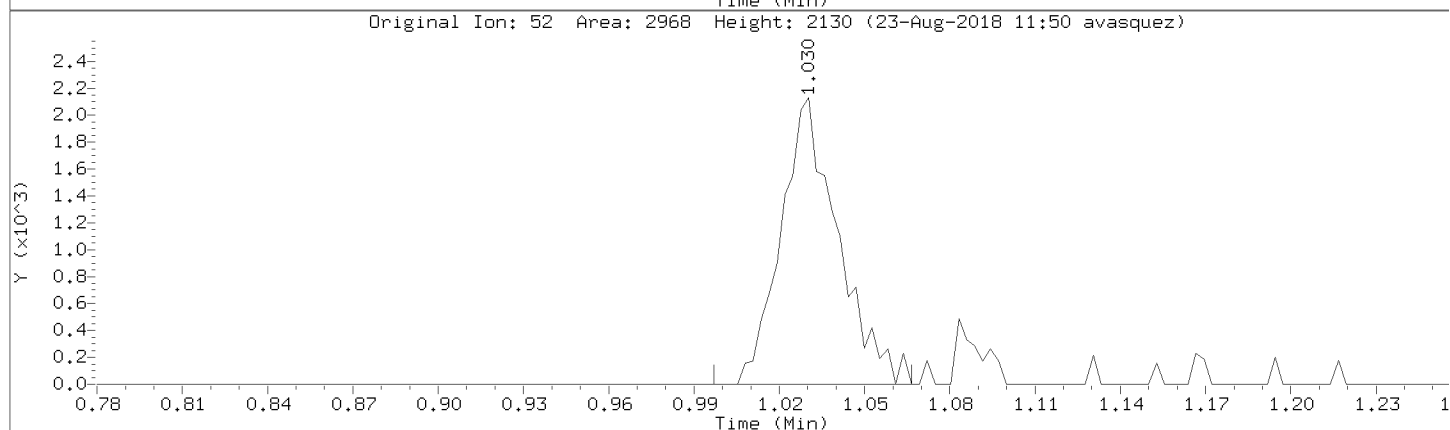
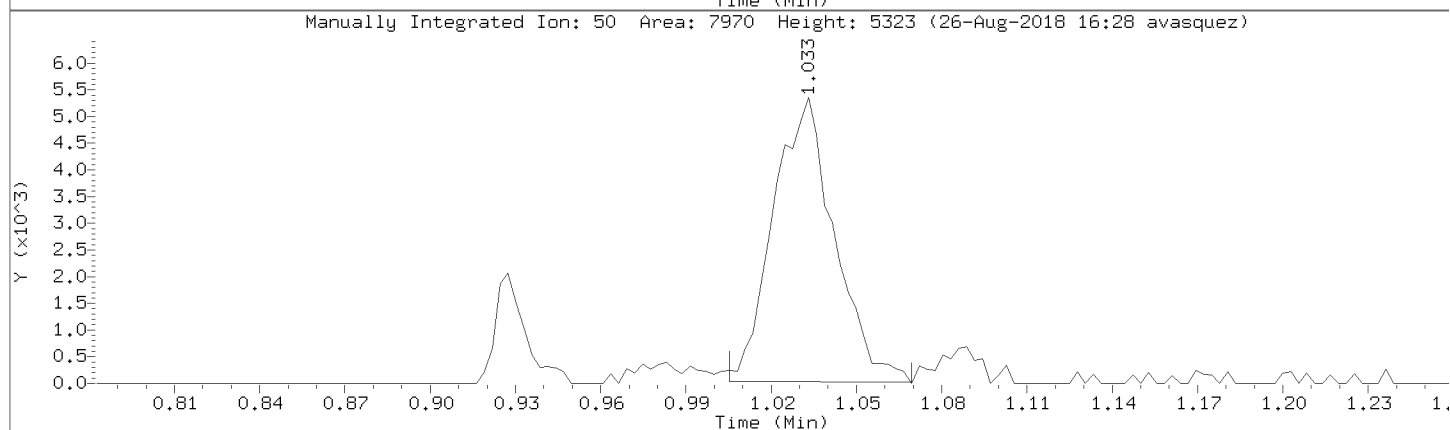
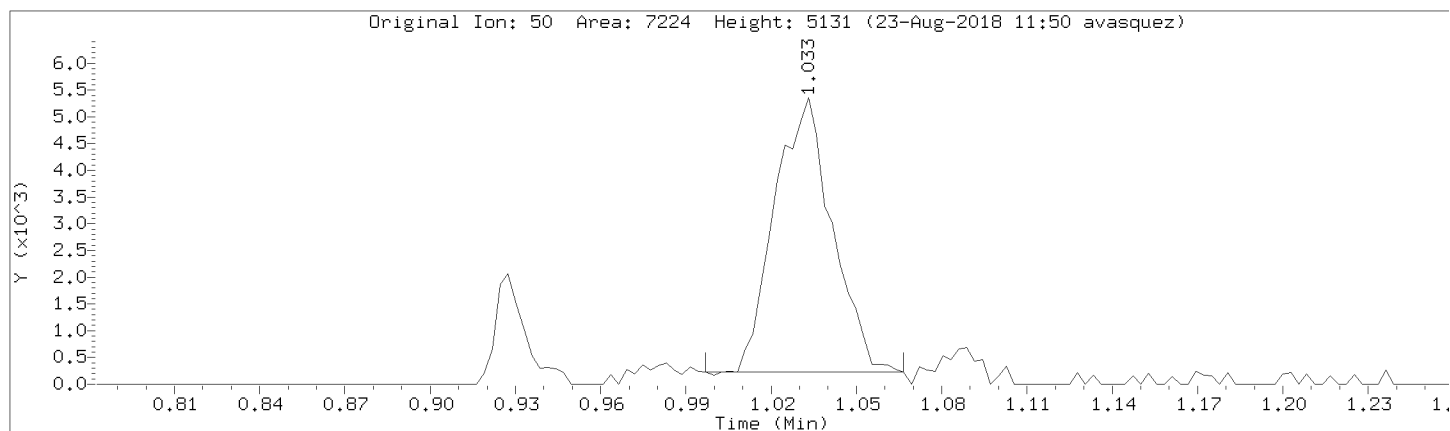
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: Chloromethane

Review Code: LT

CAS Number: 74-87-3



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\05cal.d

Injection Date: 22-AUG-2018 15:57

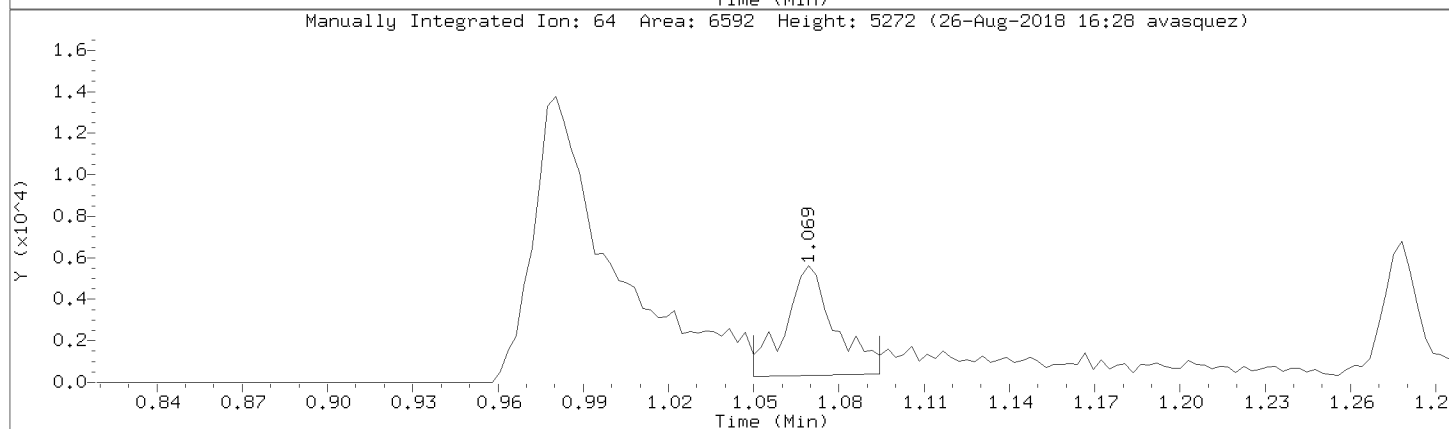
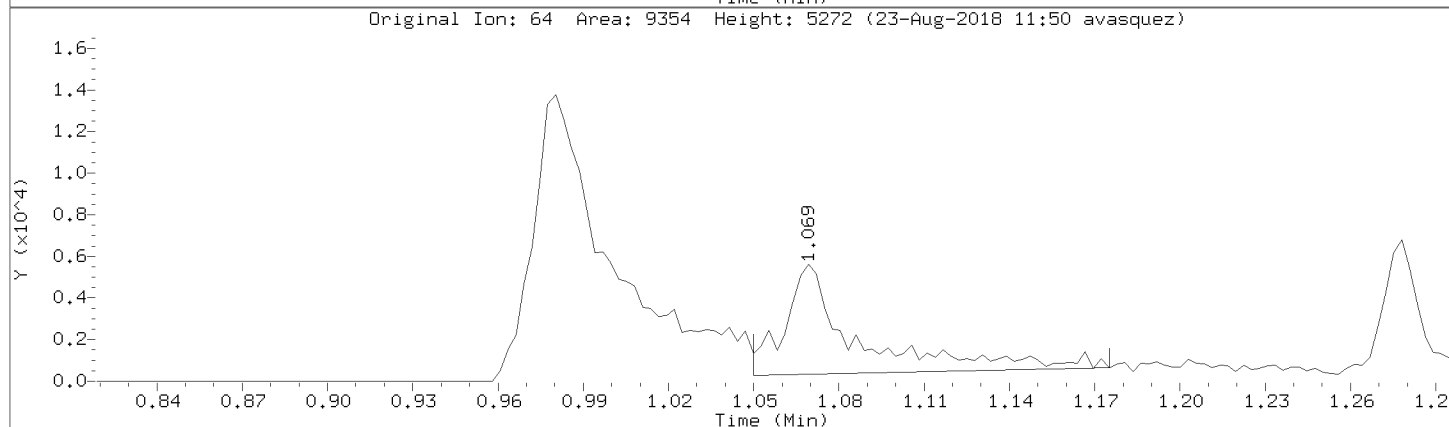
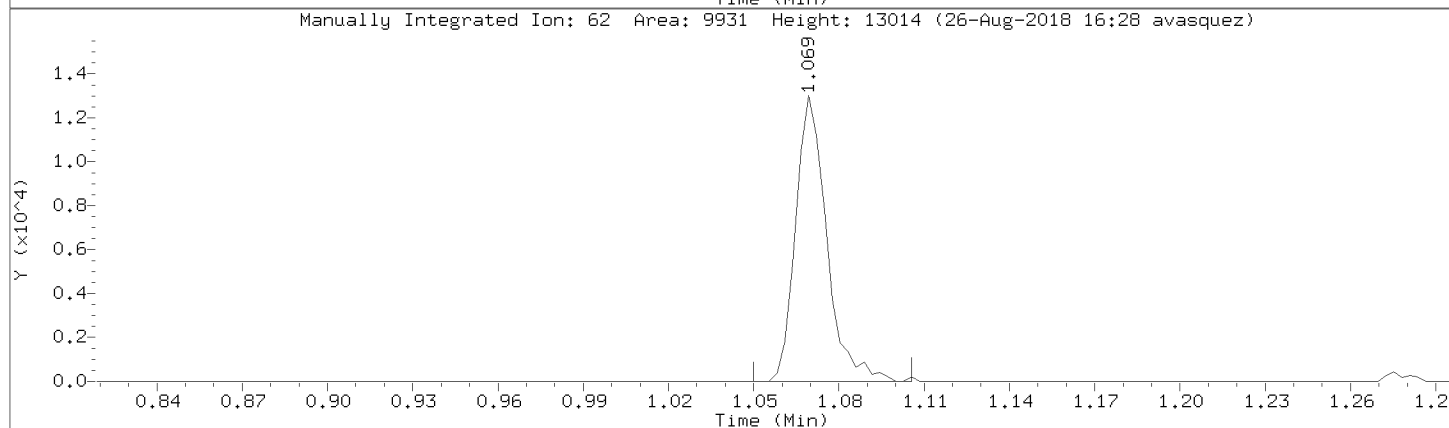
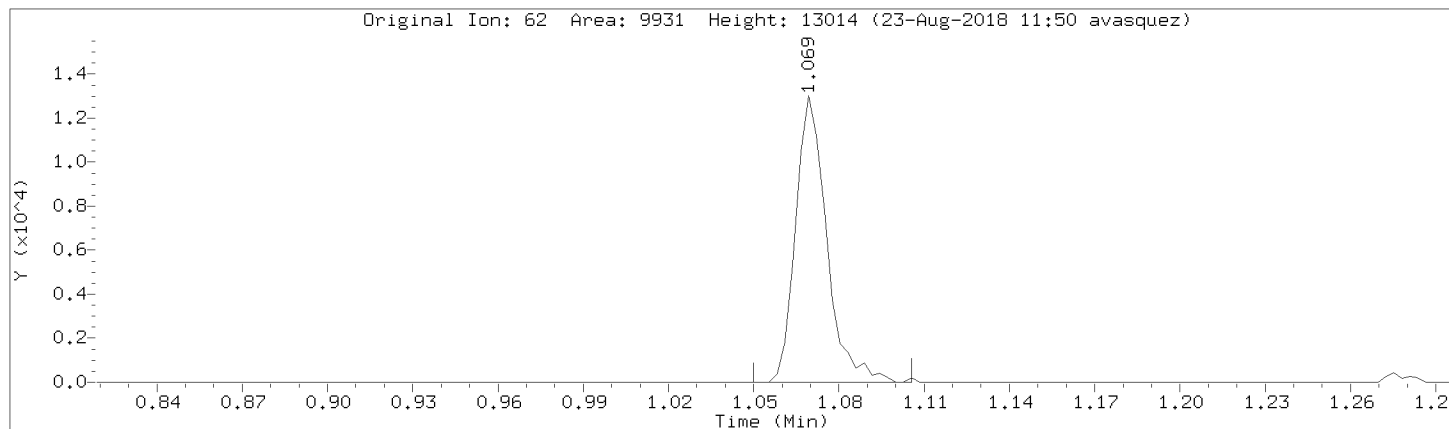
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: Vinyl Chloride

Review Code: GT

CAS Number: 75-01-4



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\05cal.d

Injection Date: 22-AUG-2018 15:57

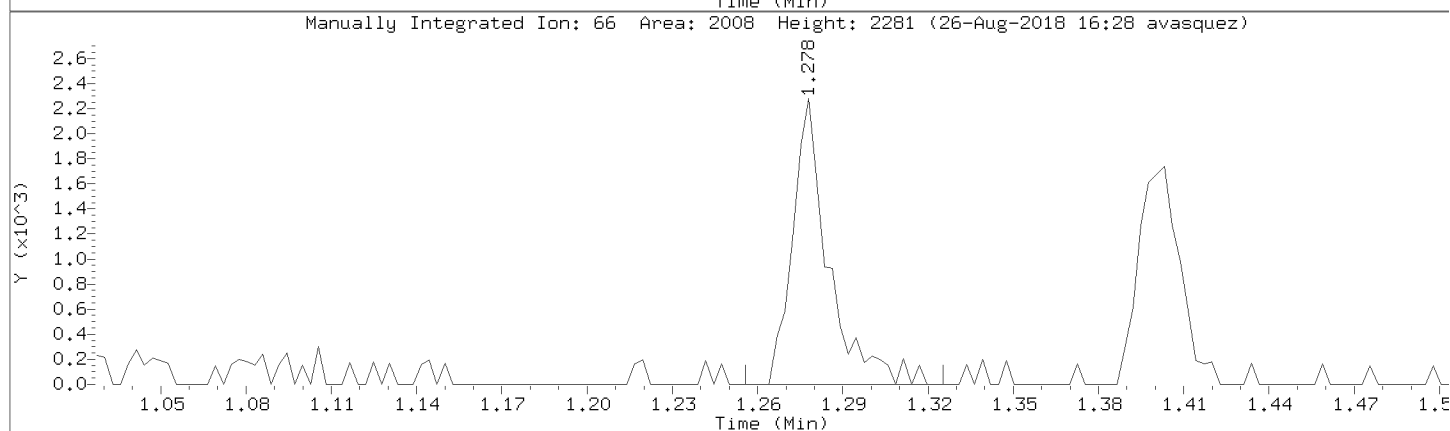
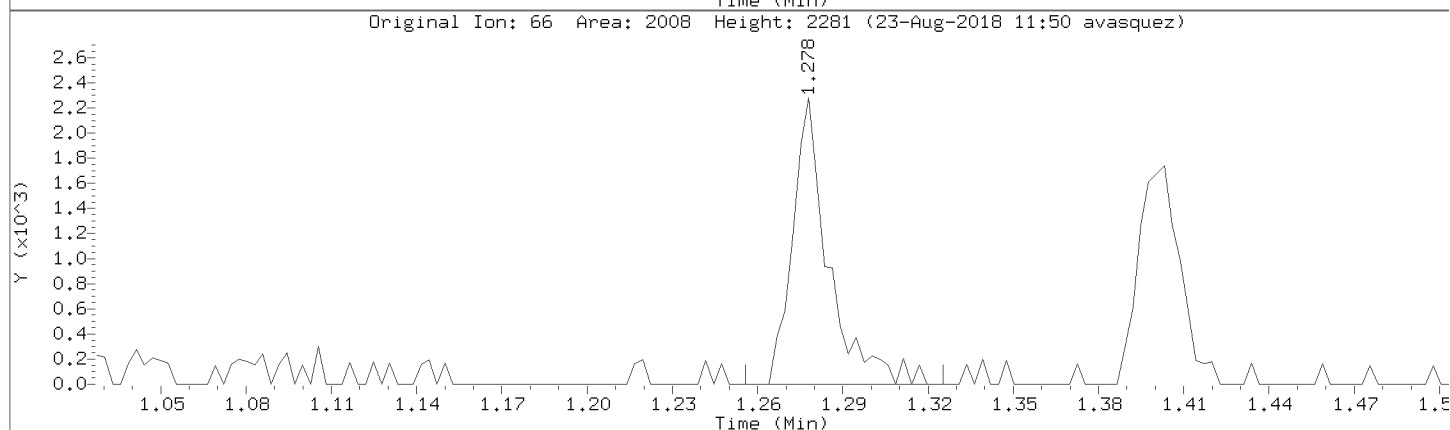
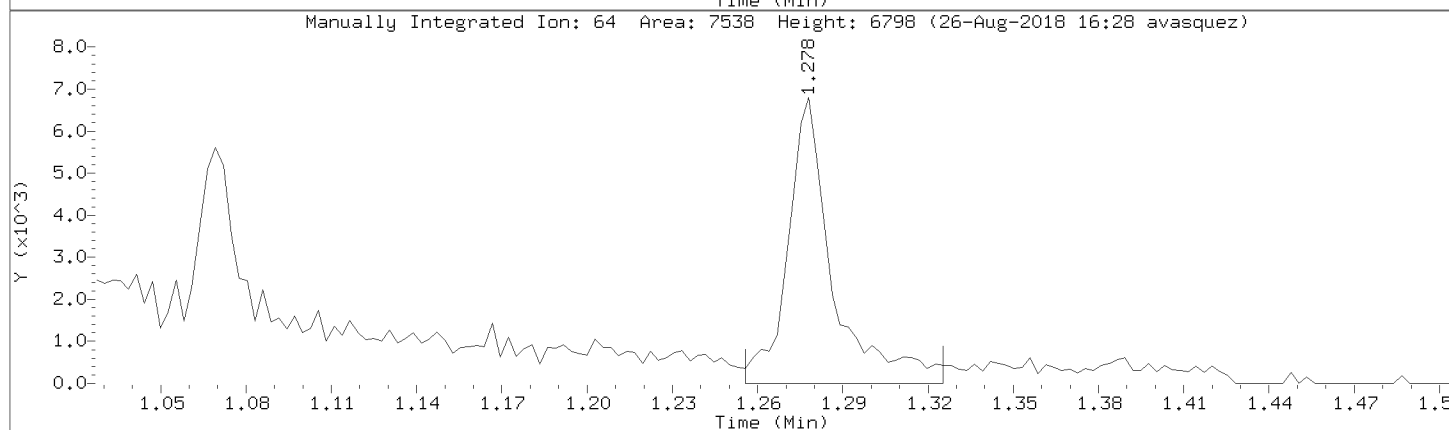
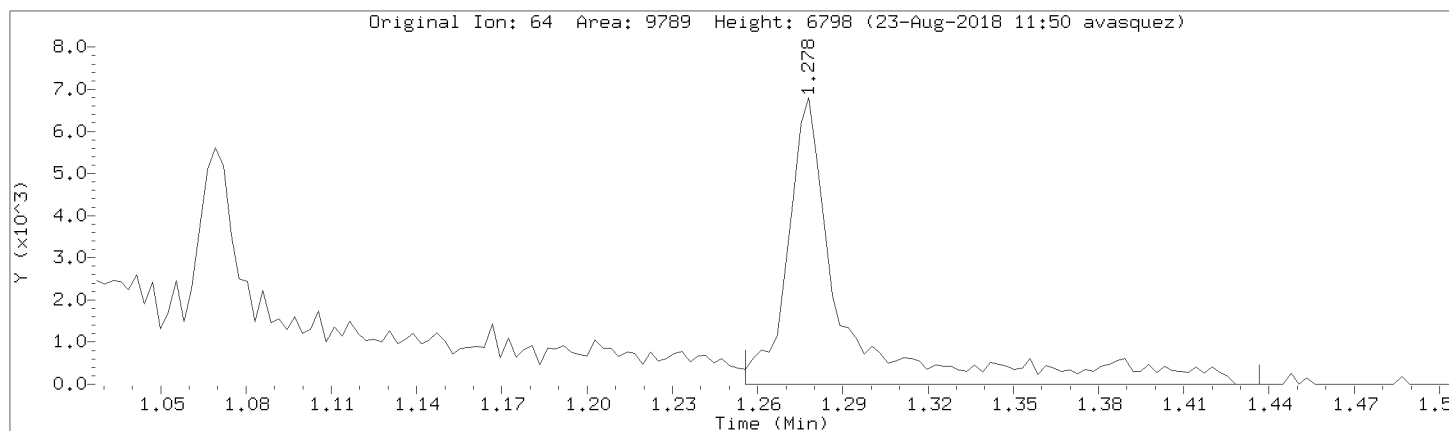
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: Chloroethane

Review Code: GT

CAS Number: 75-00-3



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\05cal.d

Injection Date: 22-AUG-2018 15:57

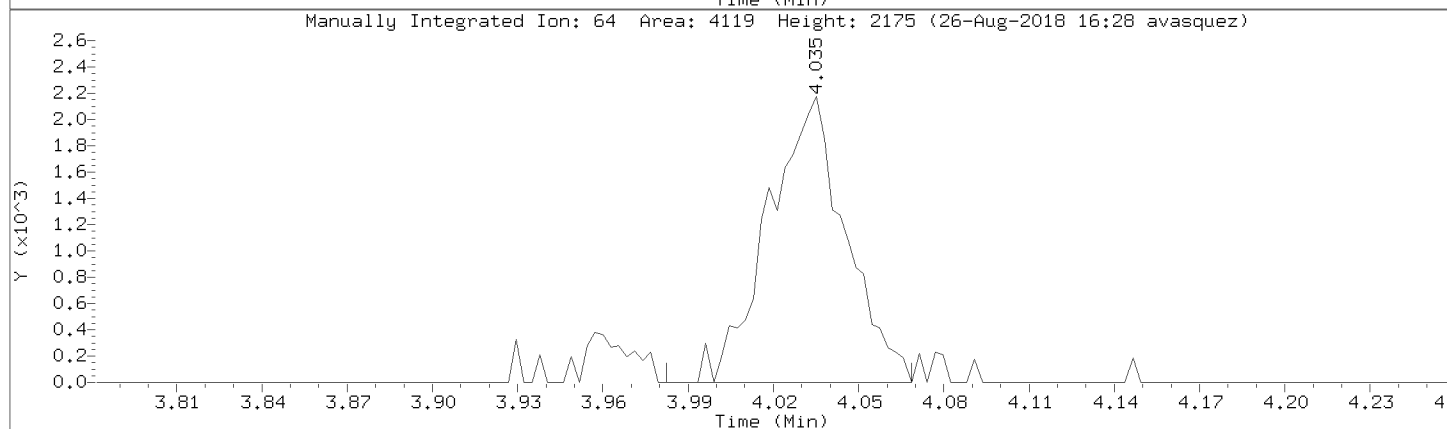
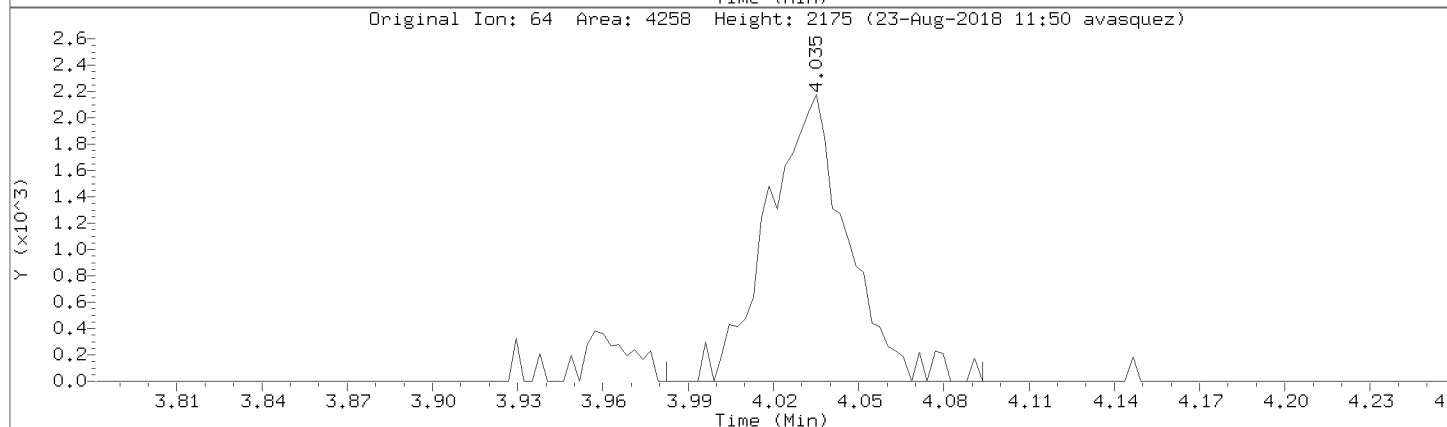
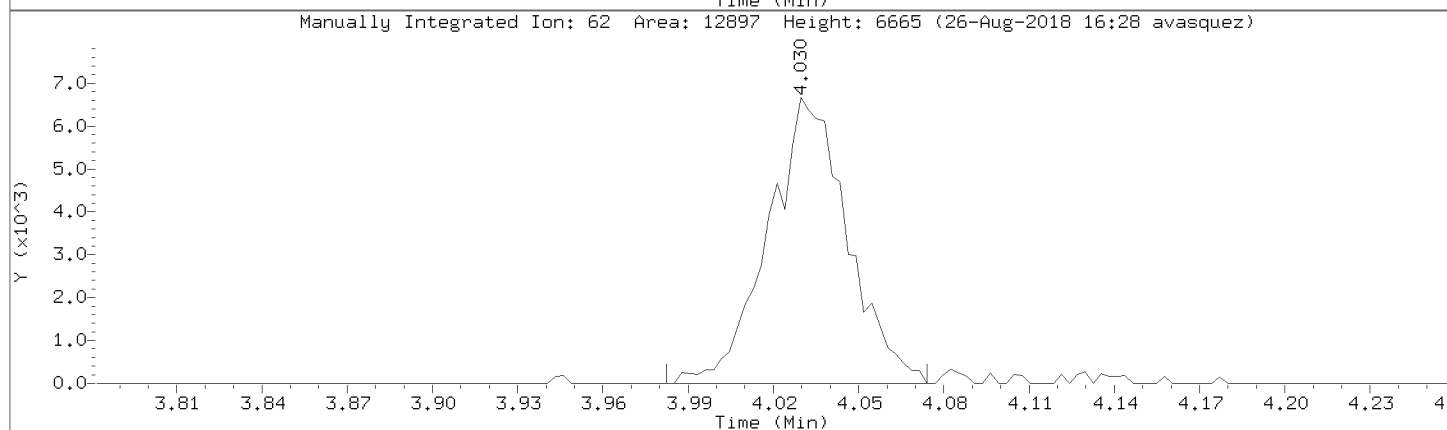
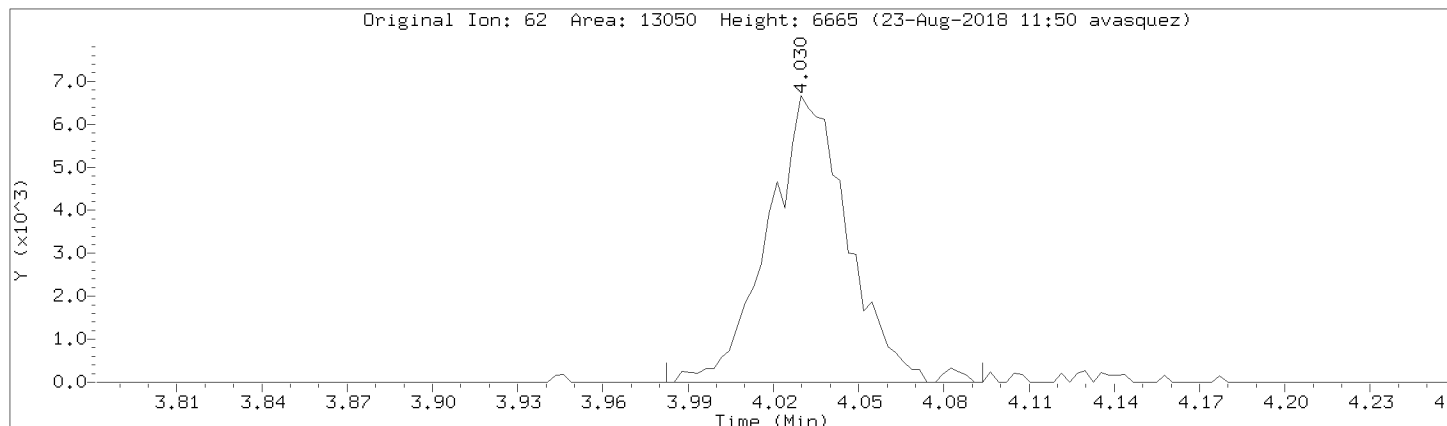
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: 1,2-Dichloroethane

Review Code: GT

CAS Number: 107-06-2

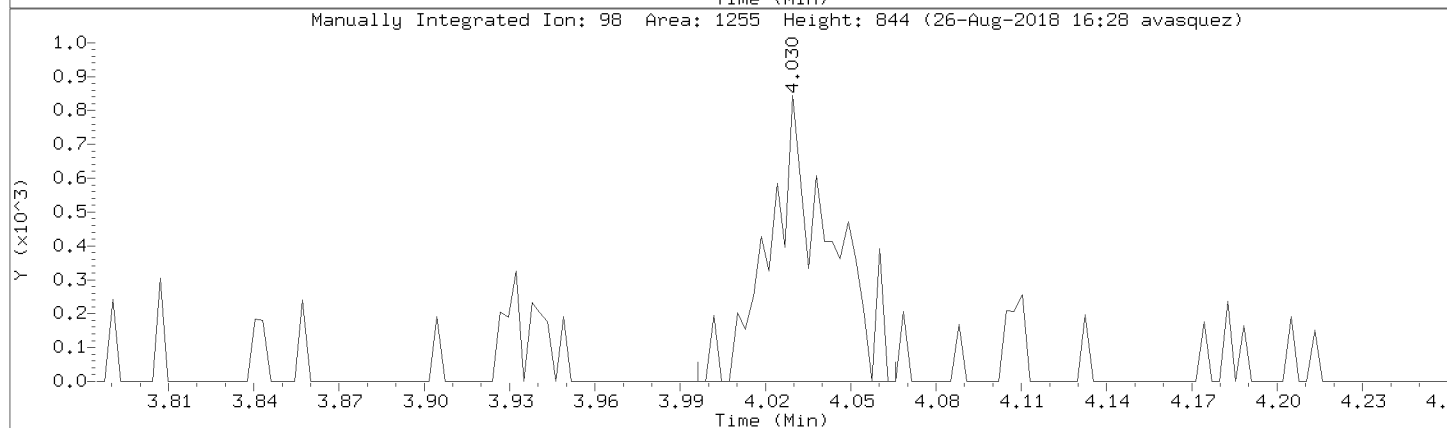
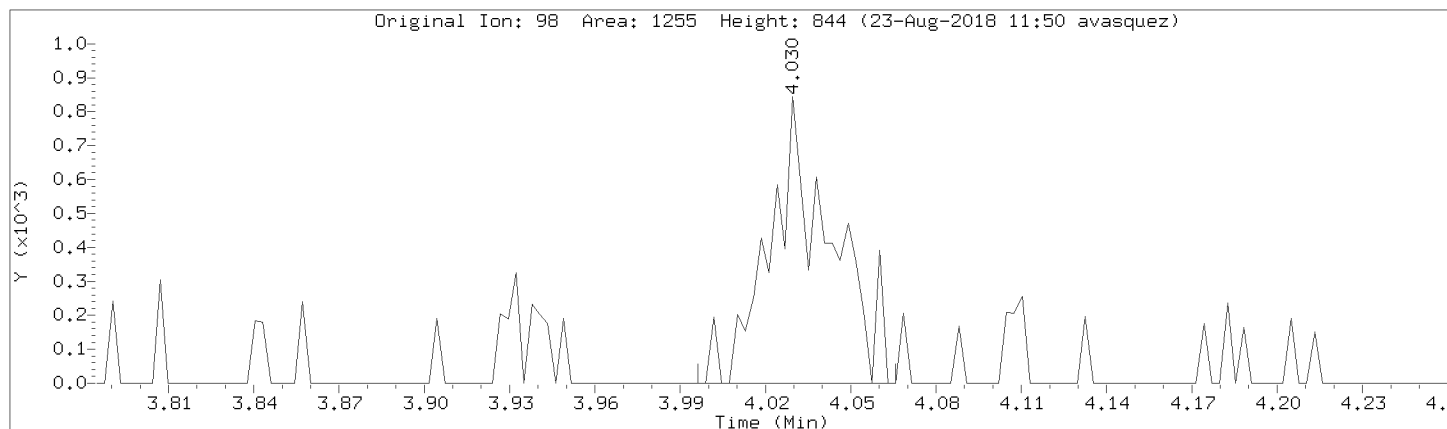


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Injection Date: 22-AUG-2018 15:57

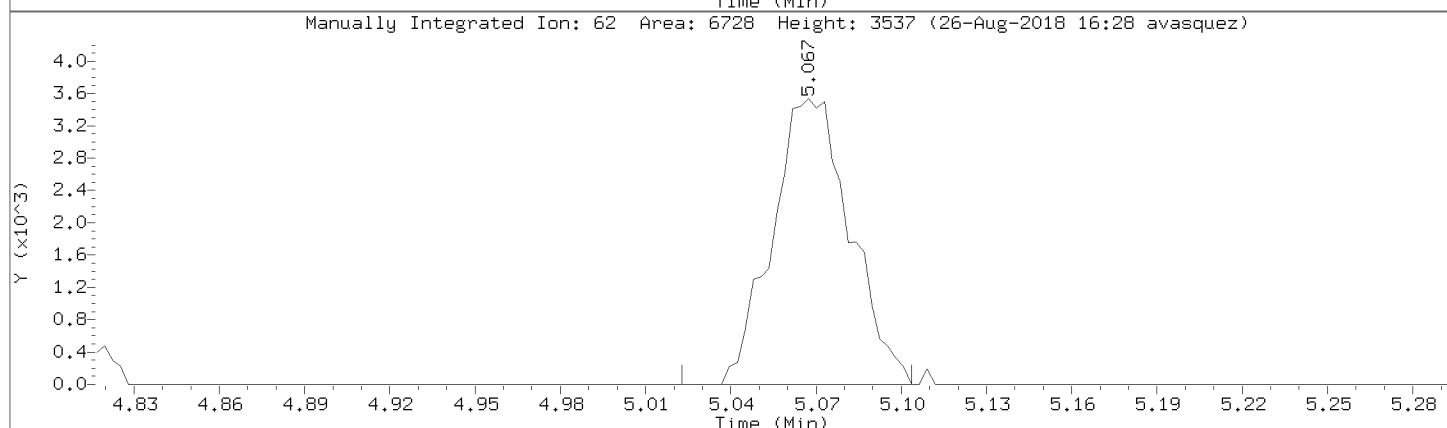
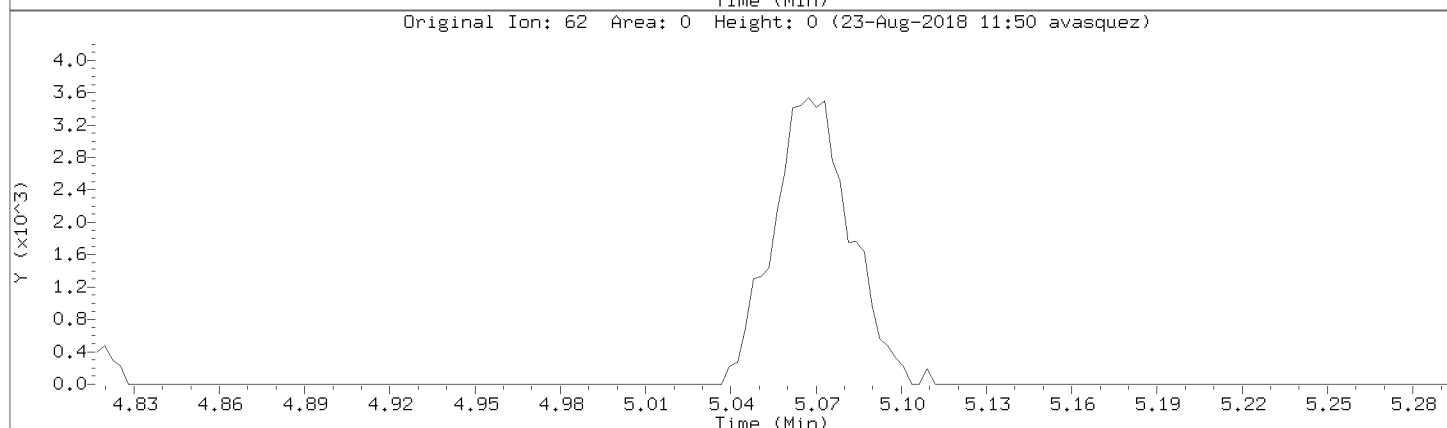
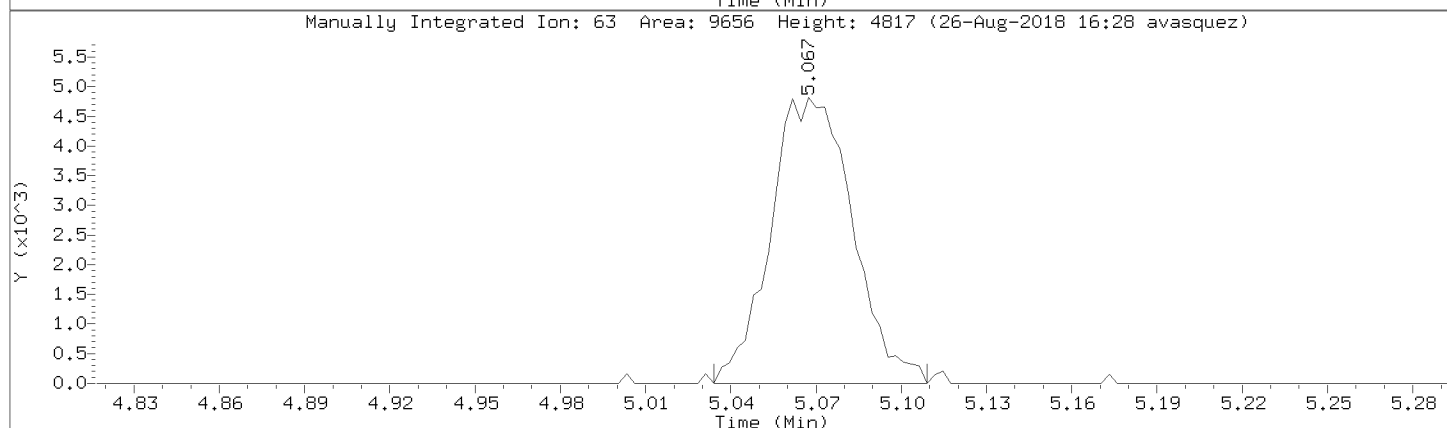
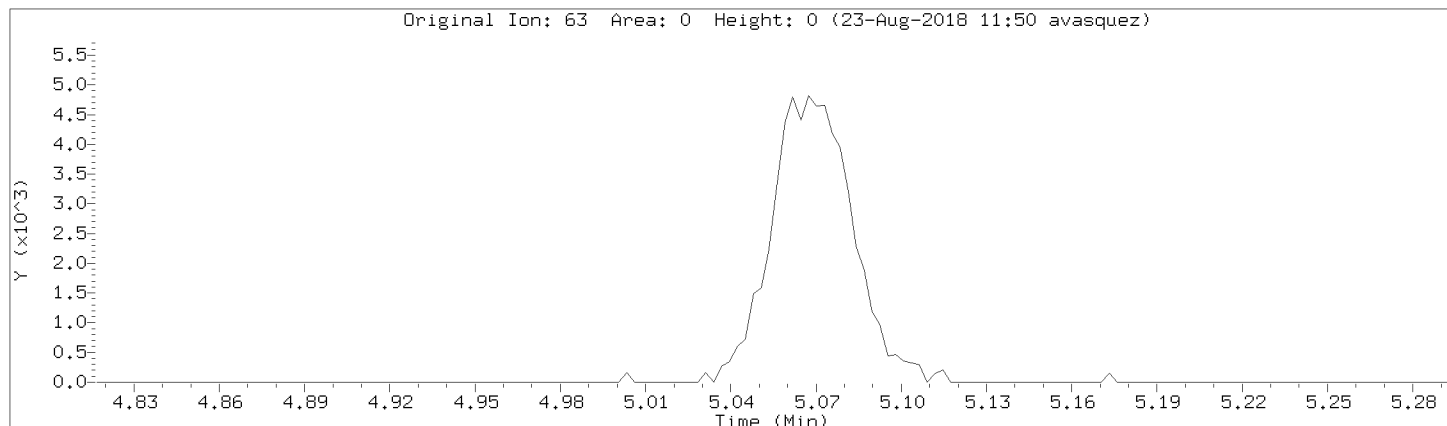
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

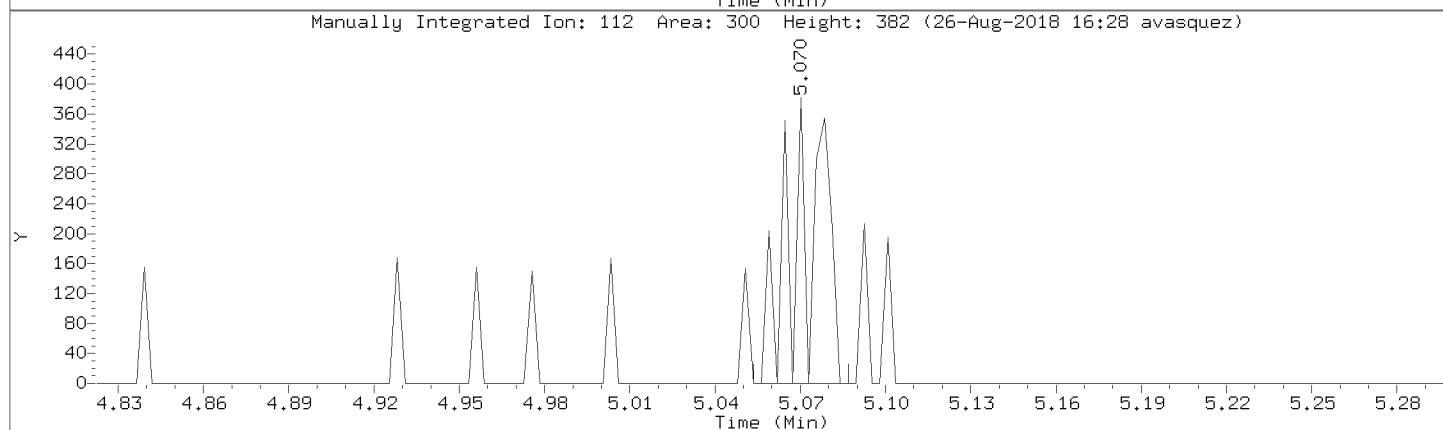
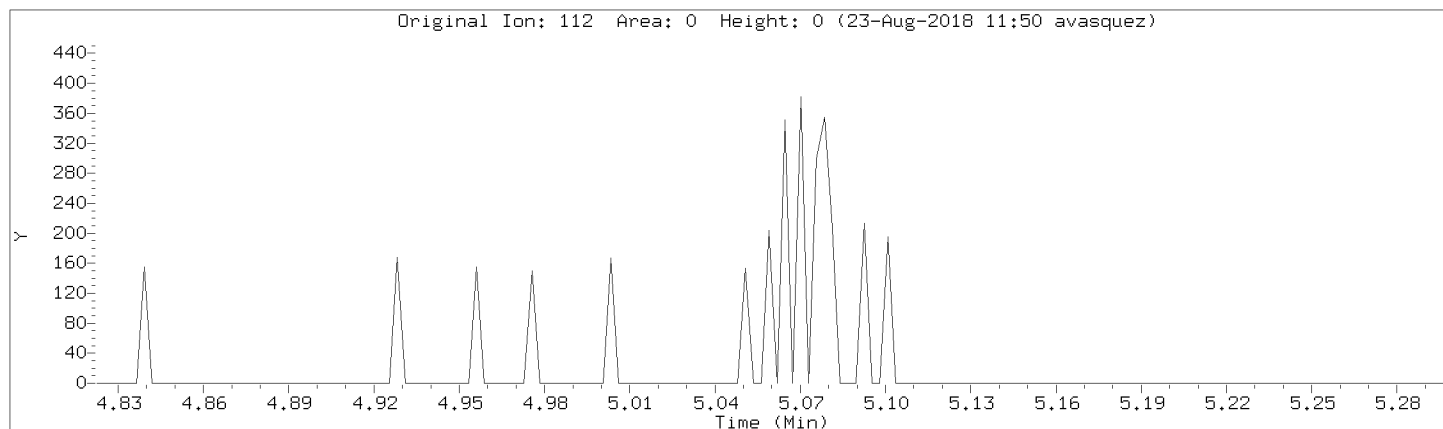


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Injection Date: 22-AUG-2018 15:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4

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

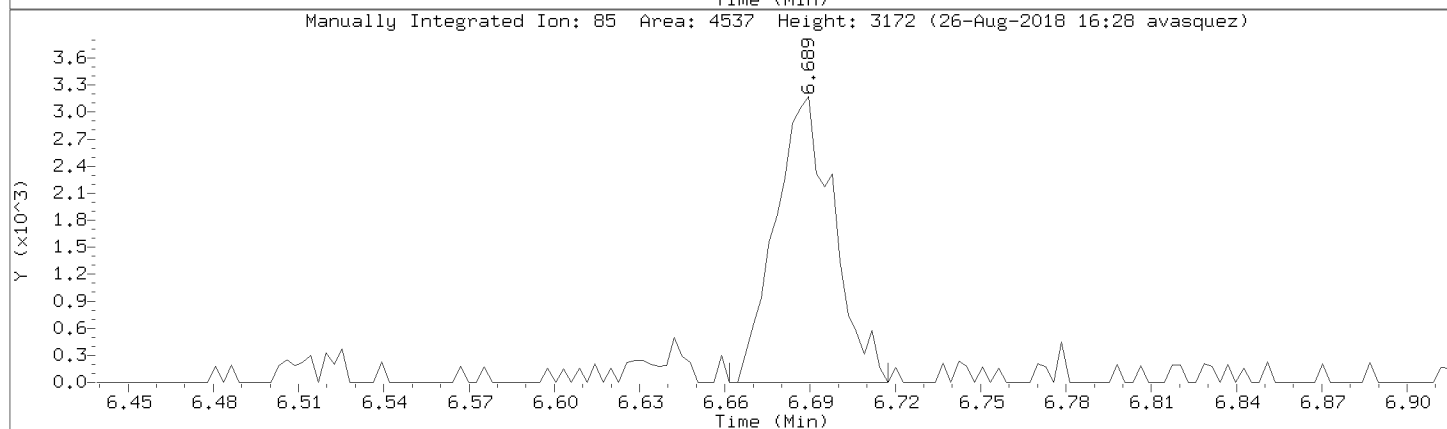
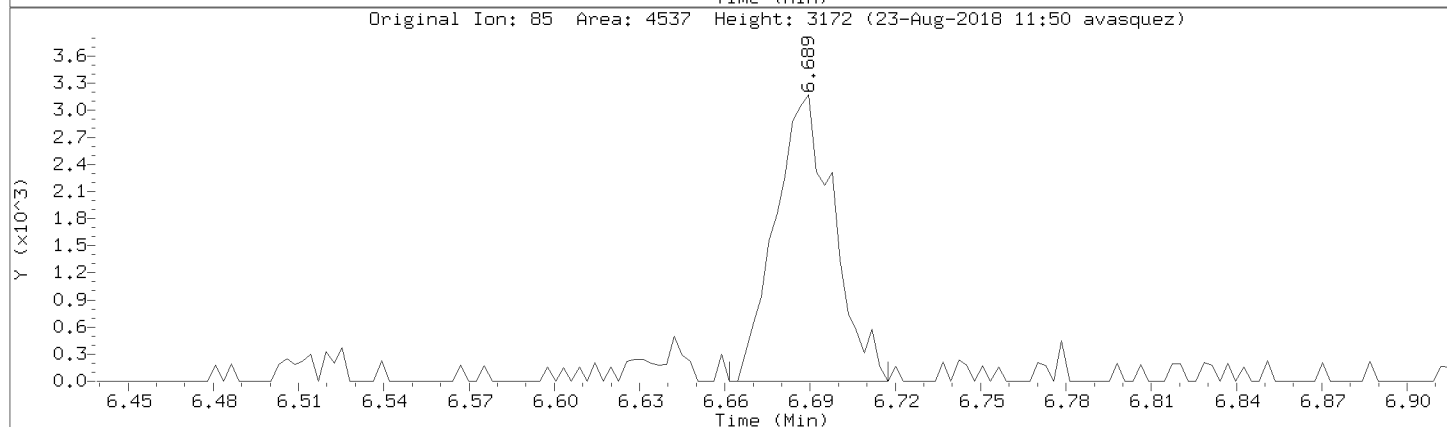
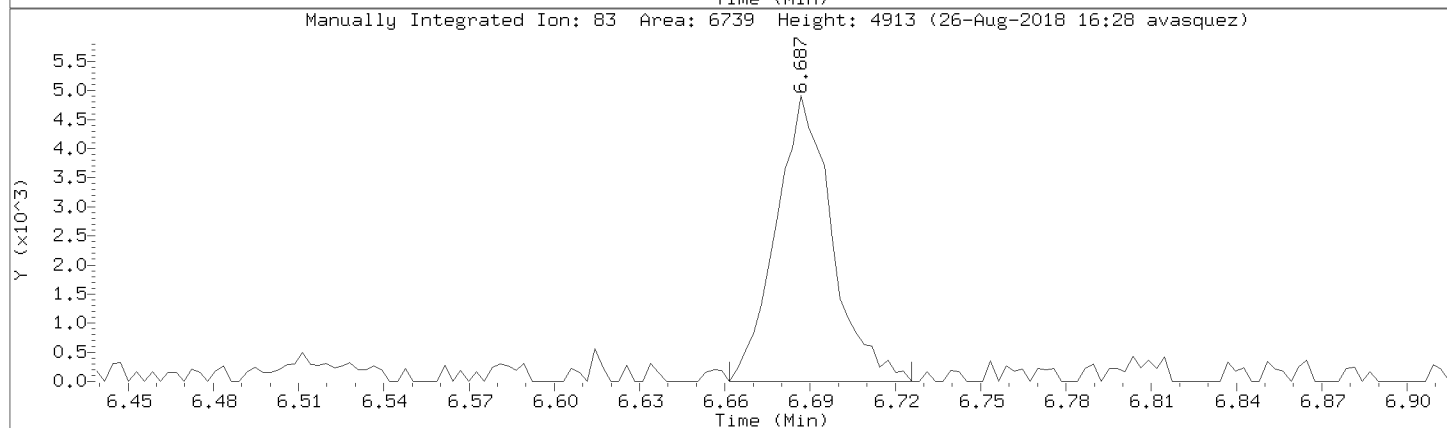
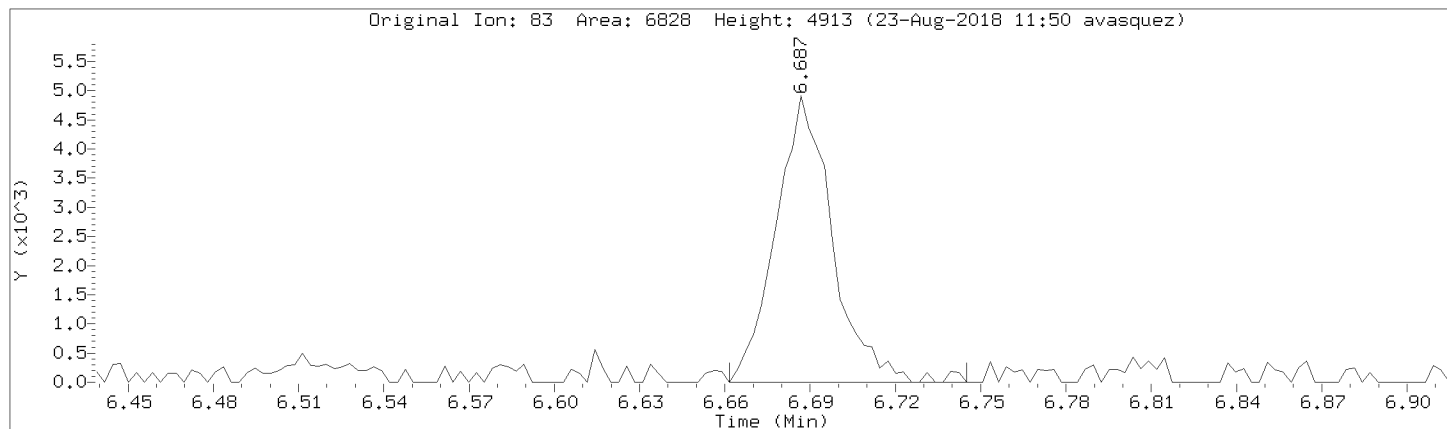


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Lab Sample ID: 8260-CAL4

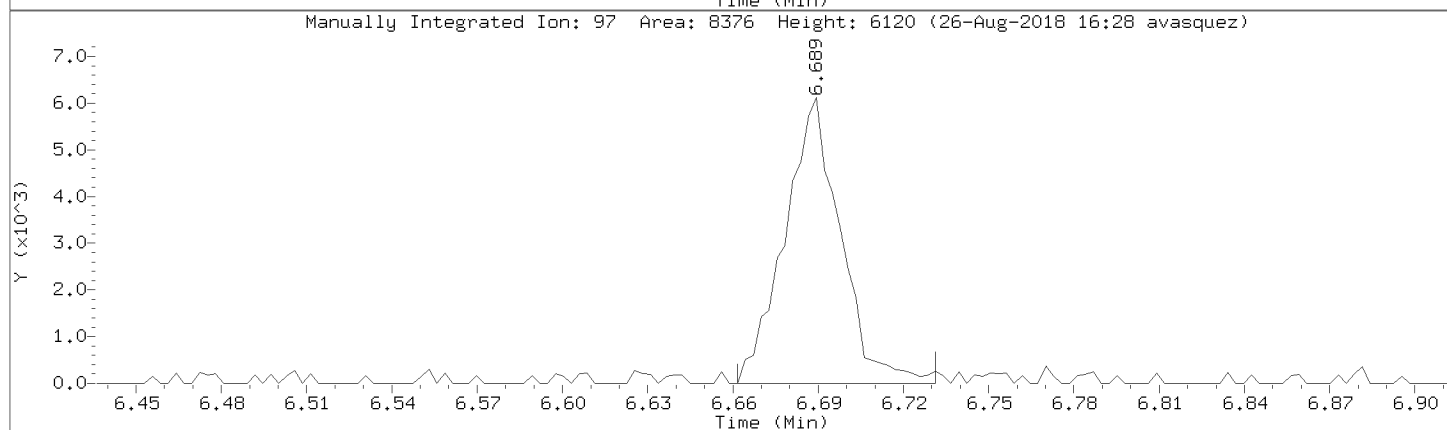
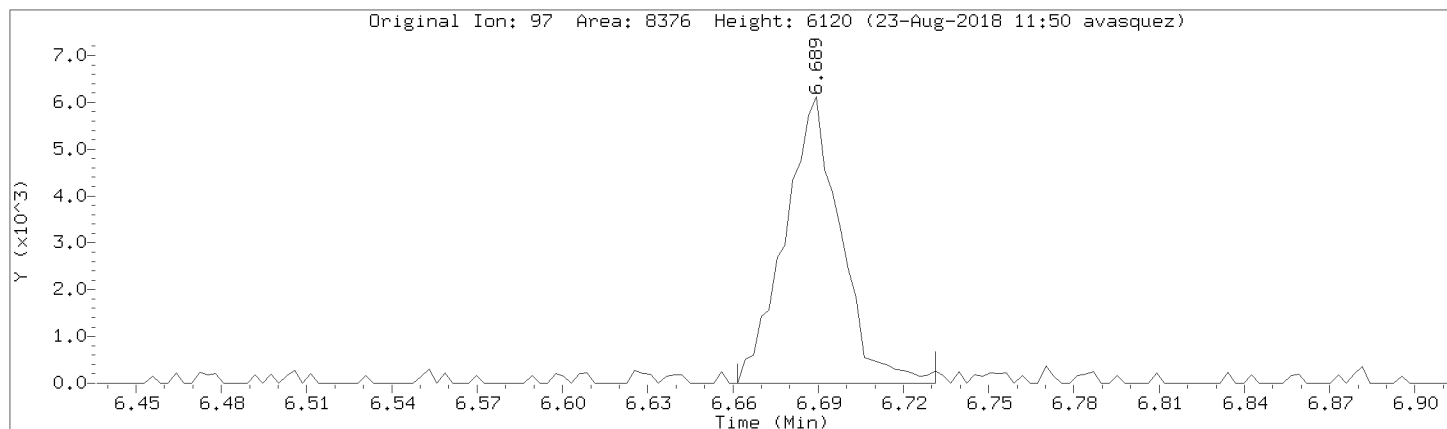


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Lab Sample ID: 8260-CAL4

Compound: 1,1,2-Trichloroethane Review Code: GT
CAS Number: 79-00-5

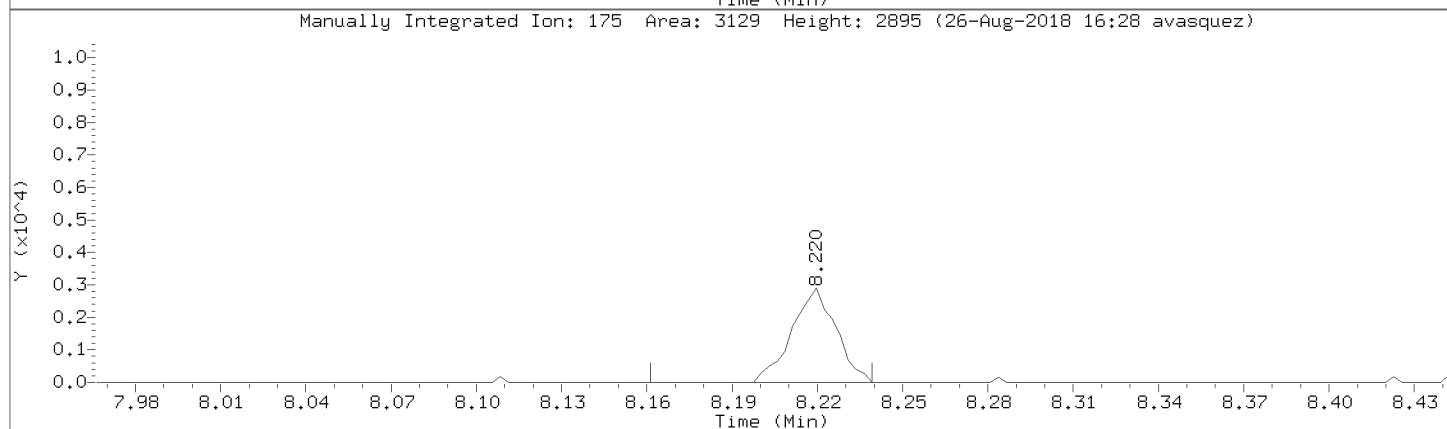
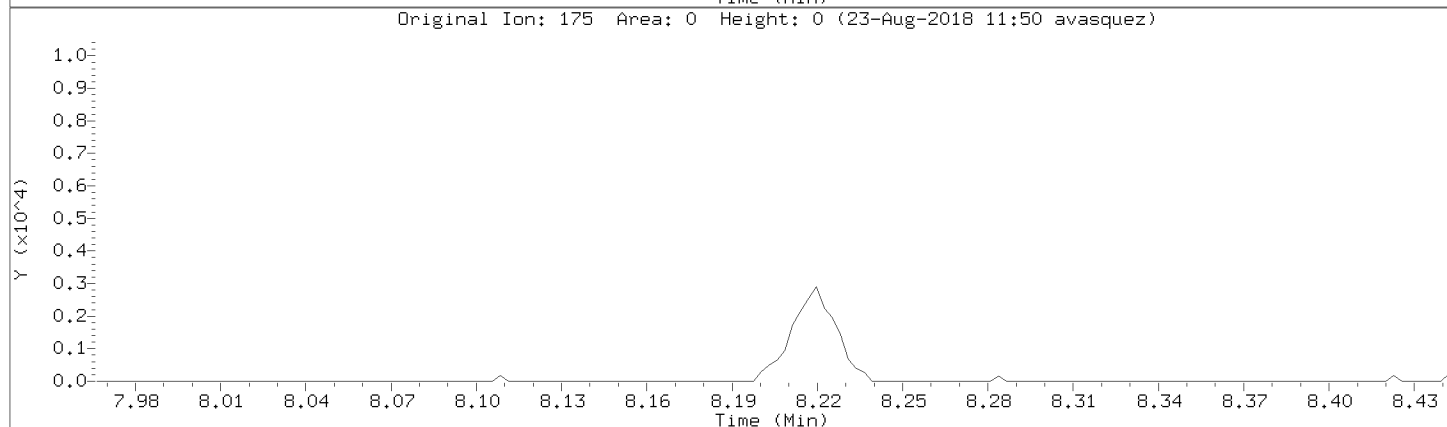
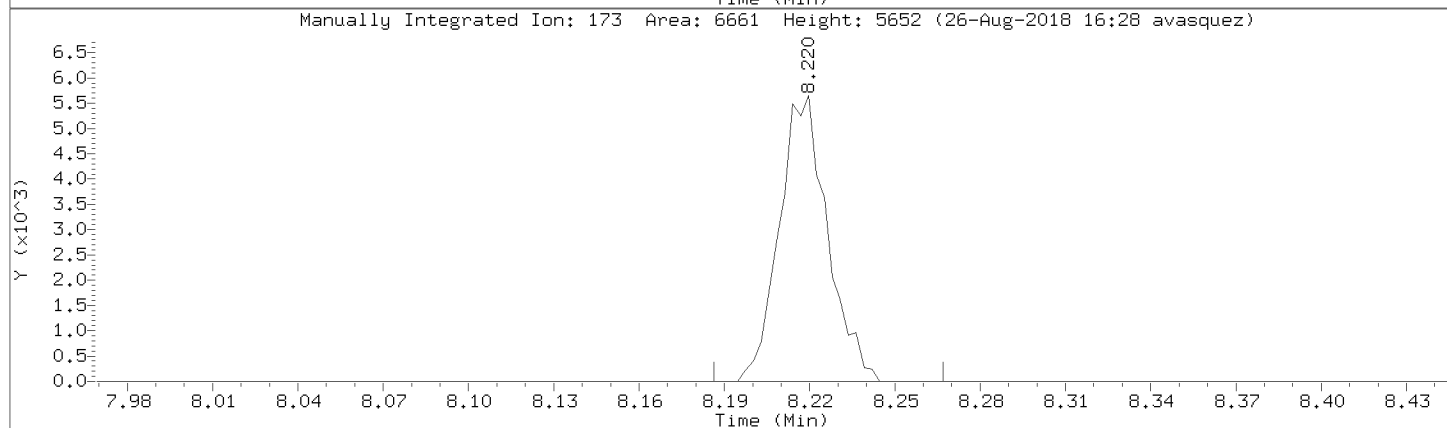
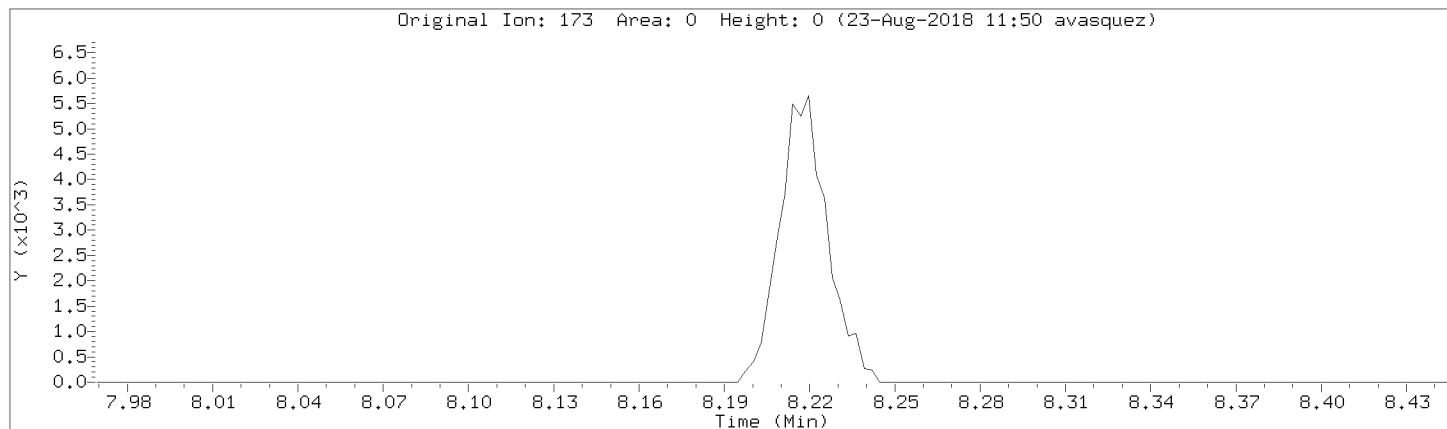


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Lab Sample ID: 8260-CAL4

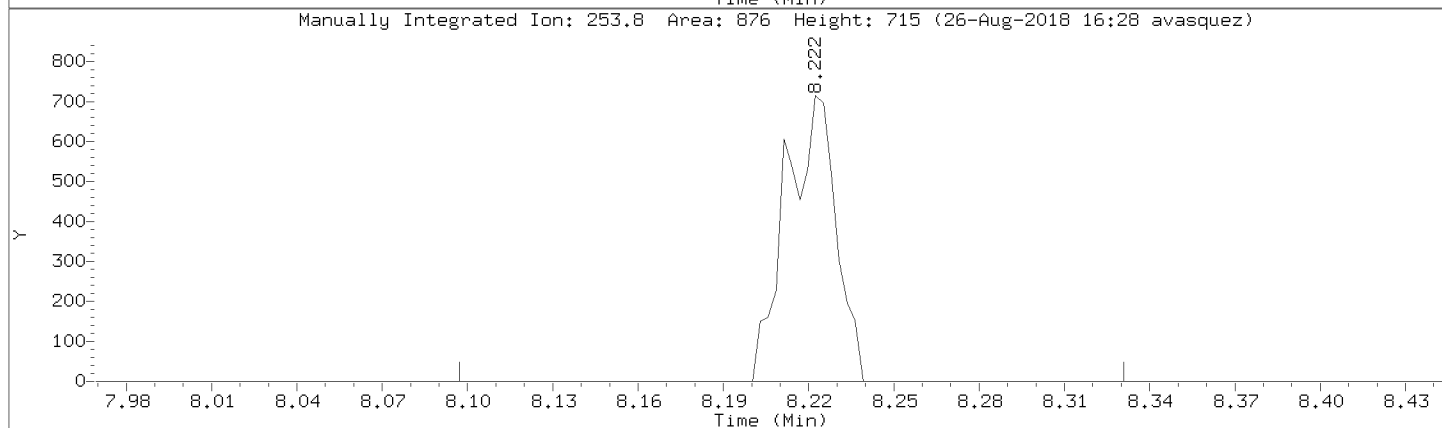
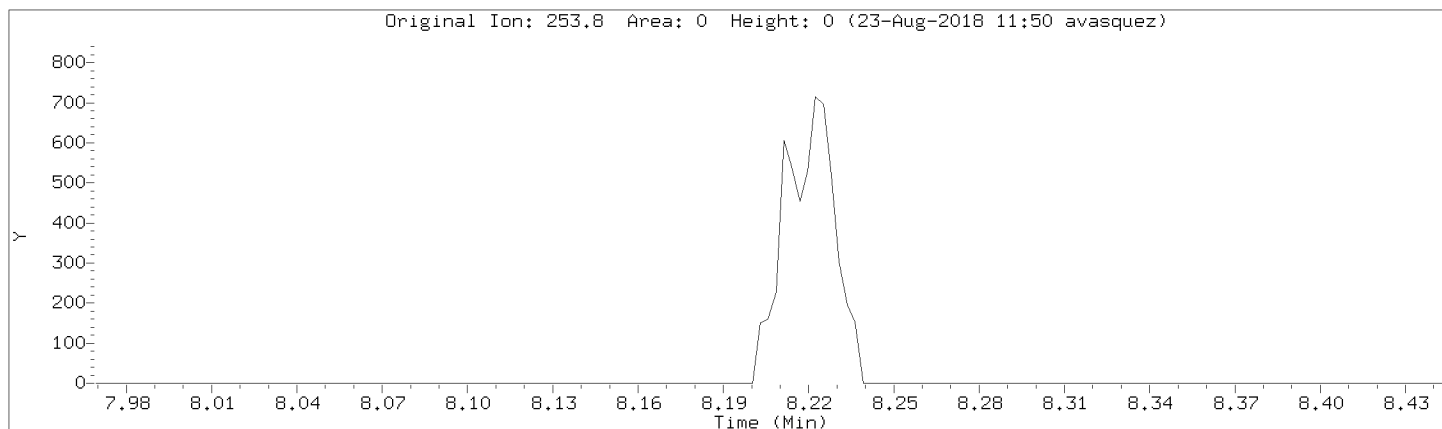


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4

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

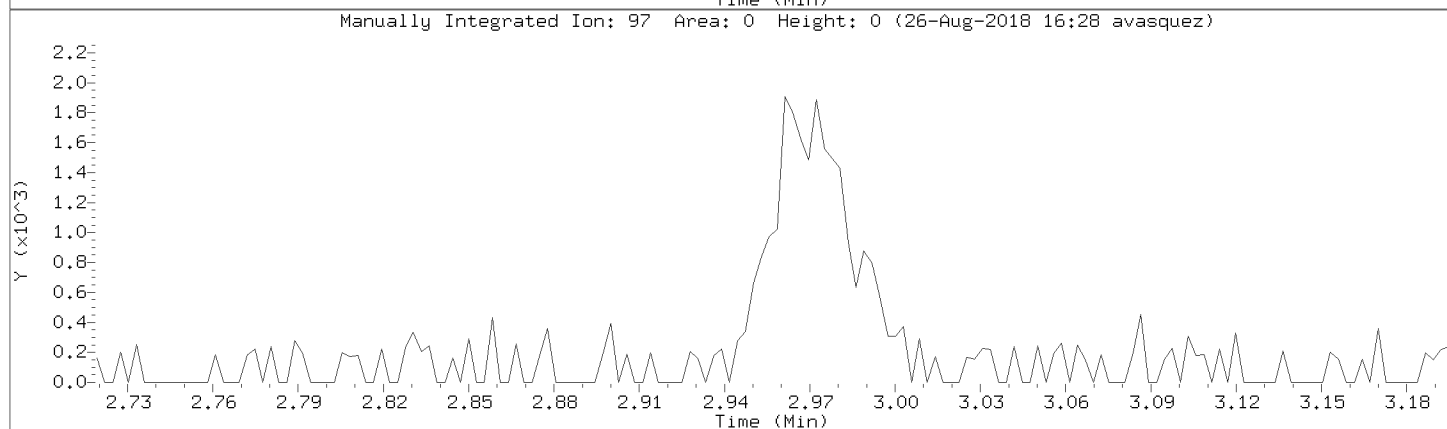
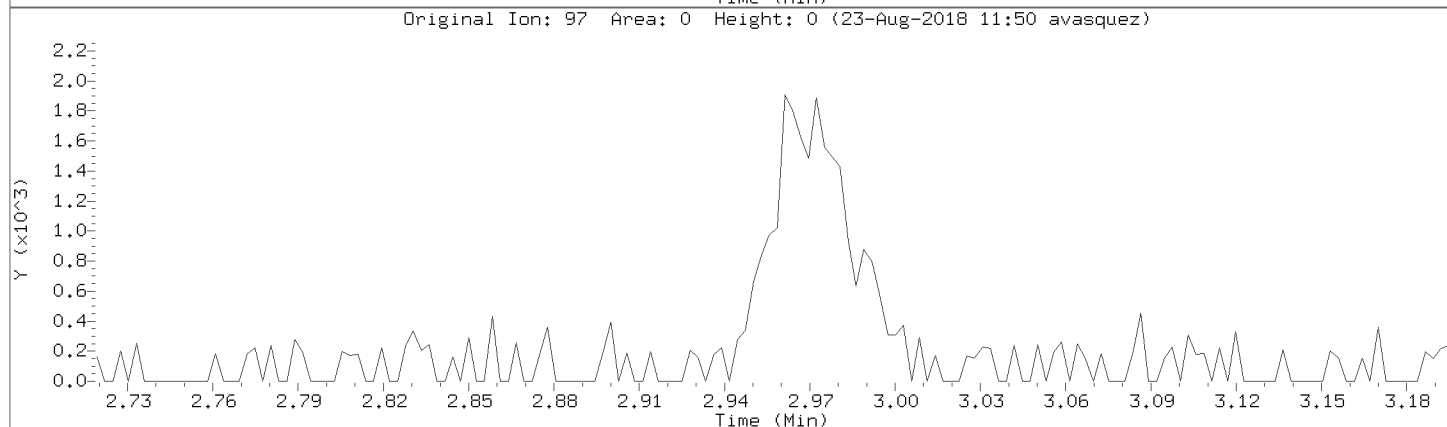
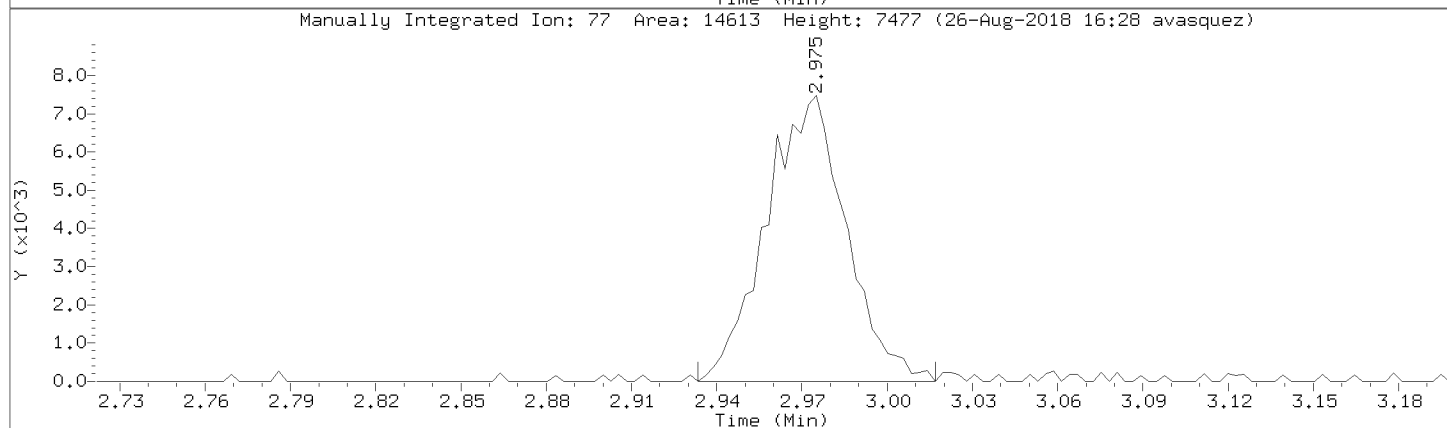
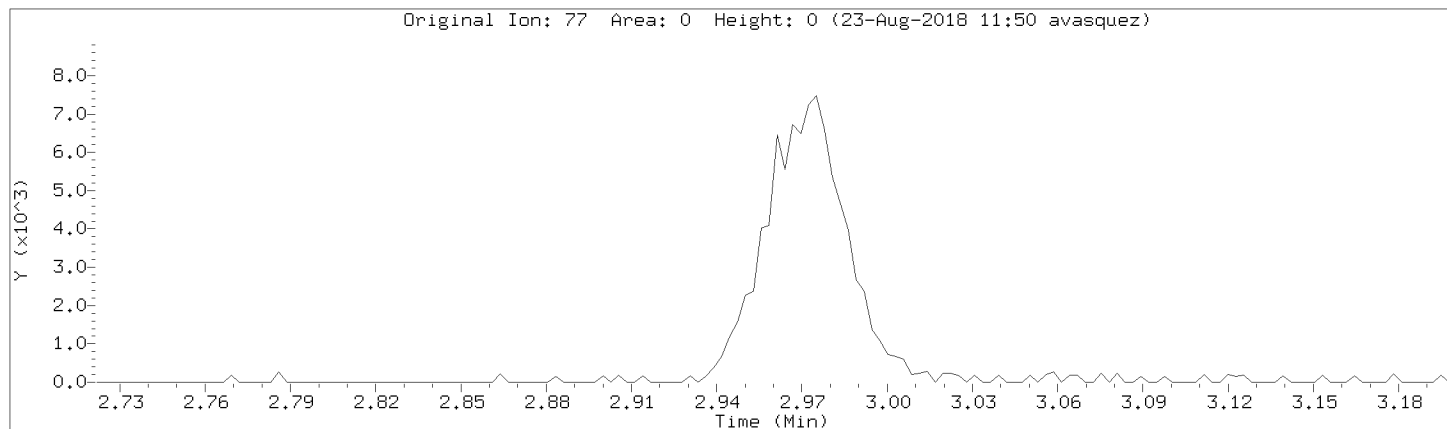


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4



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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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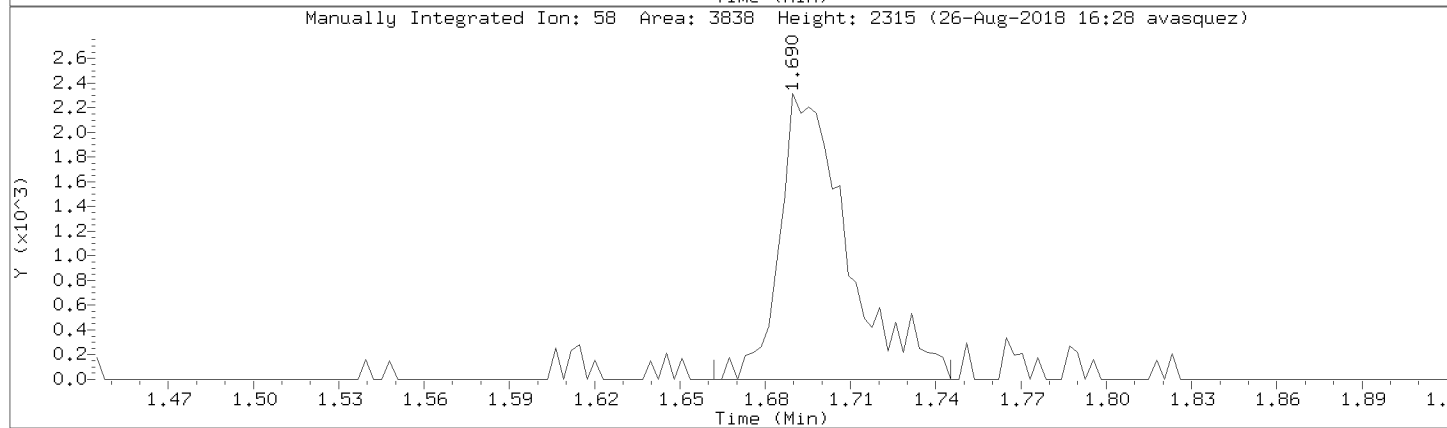
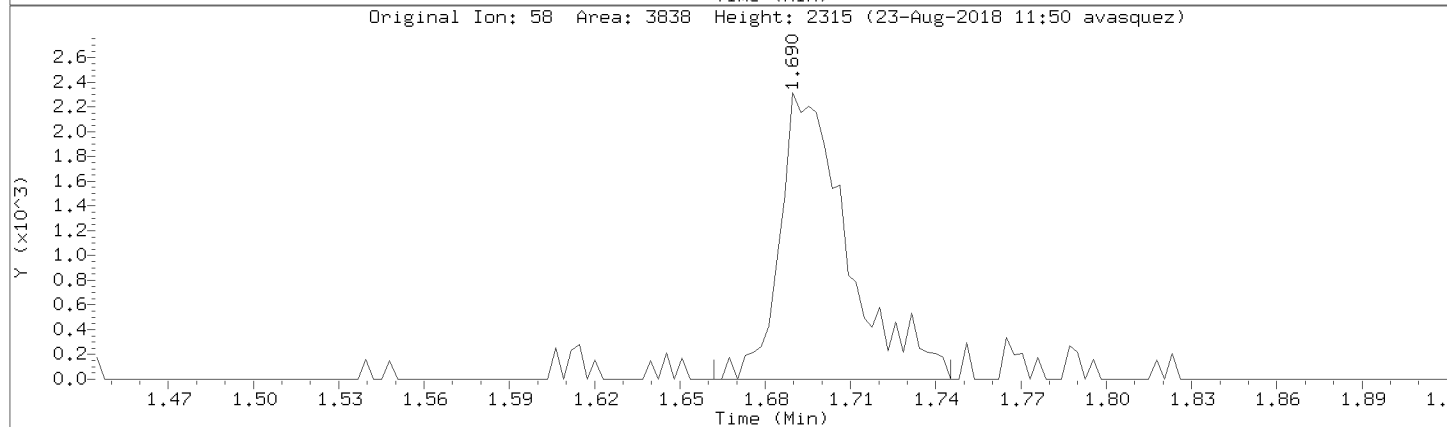
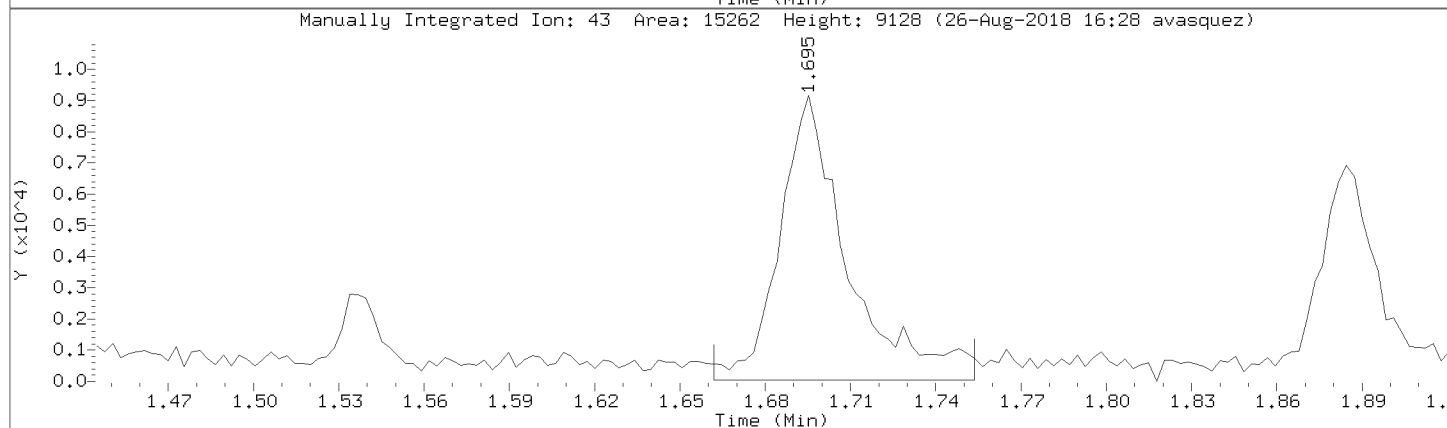
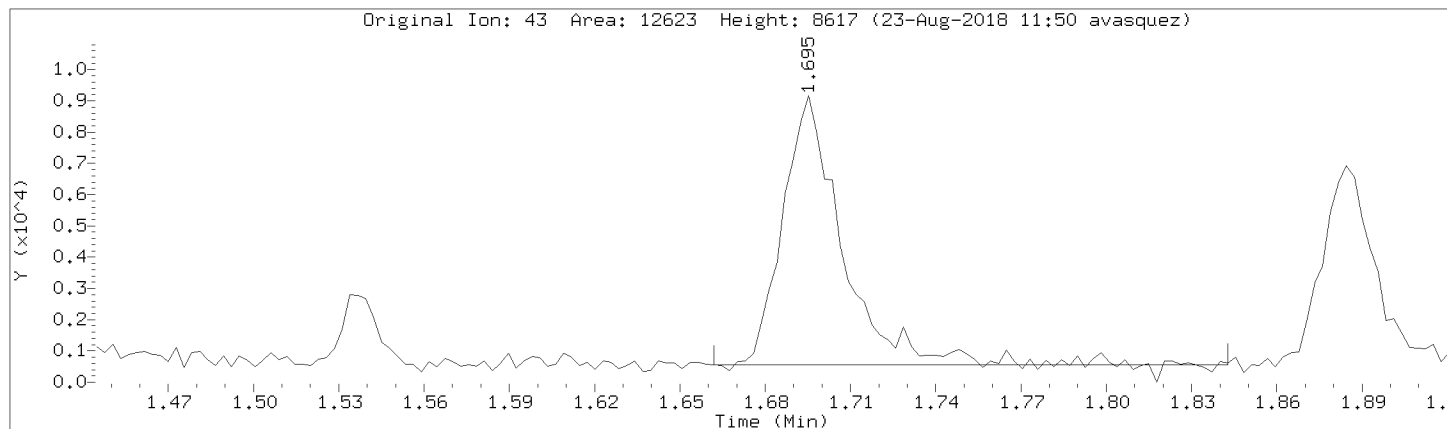
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Instrument: 50mv2a.i

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

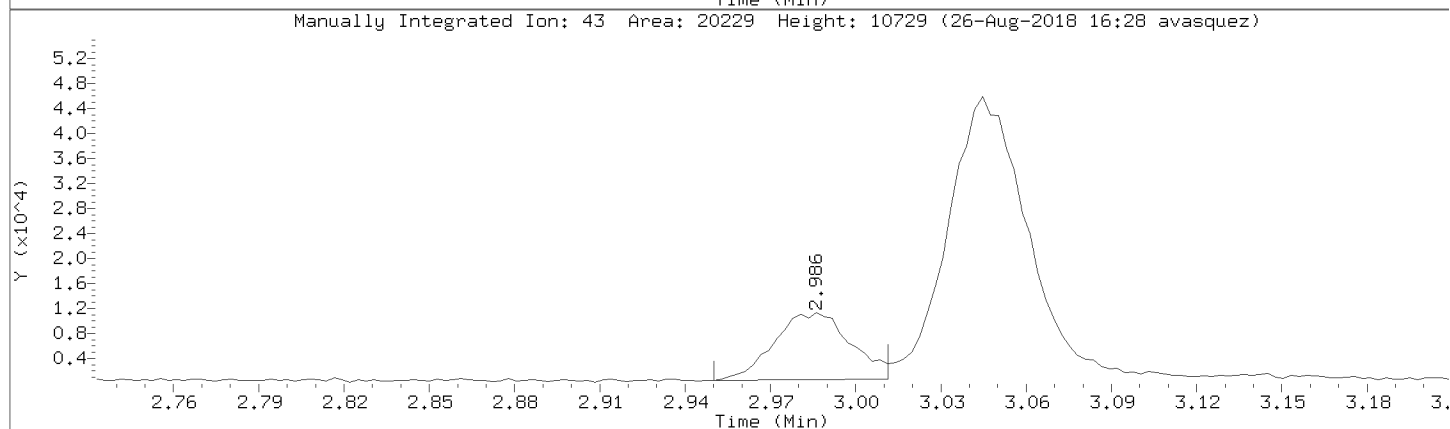
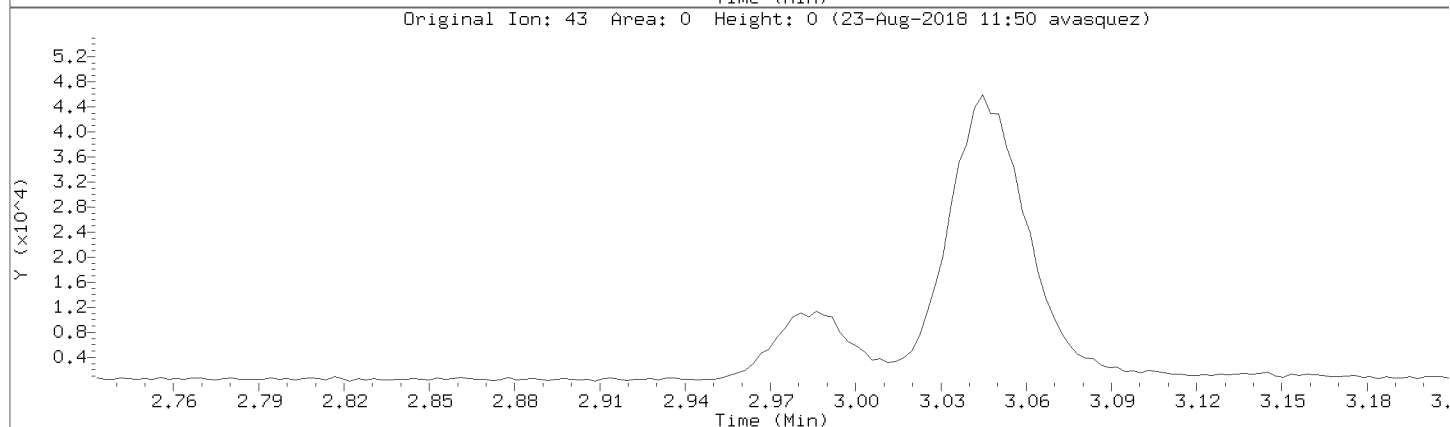
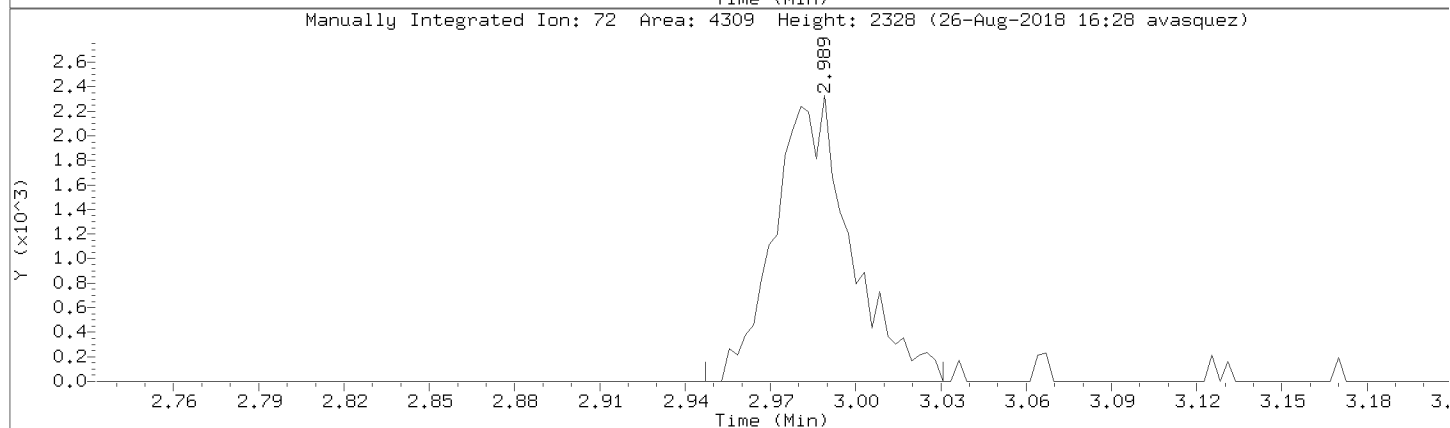
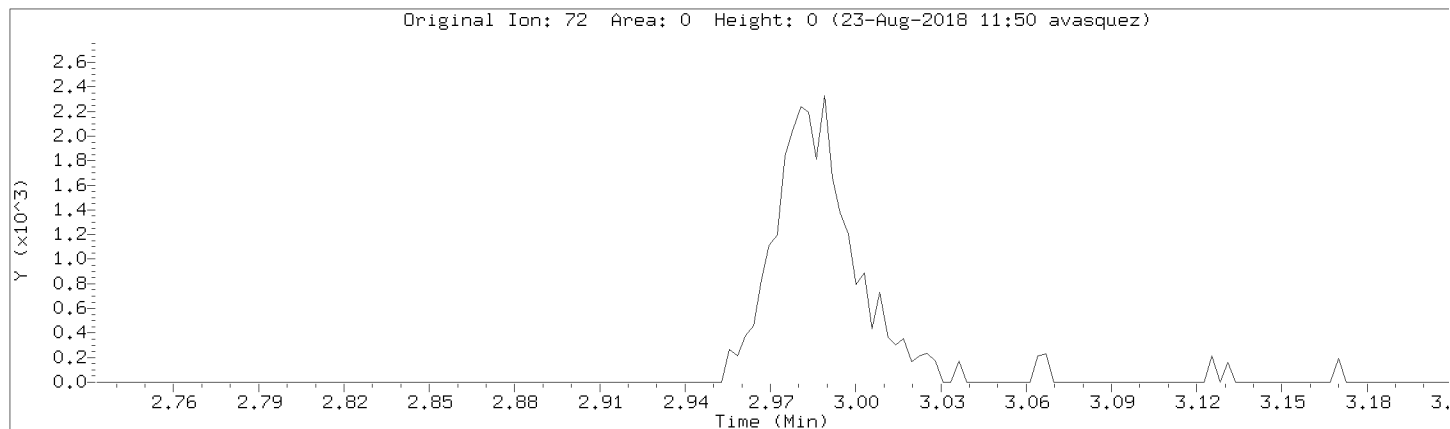
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

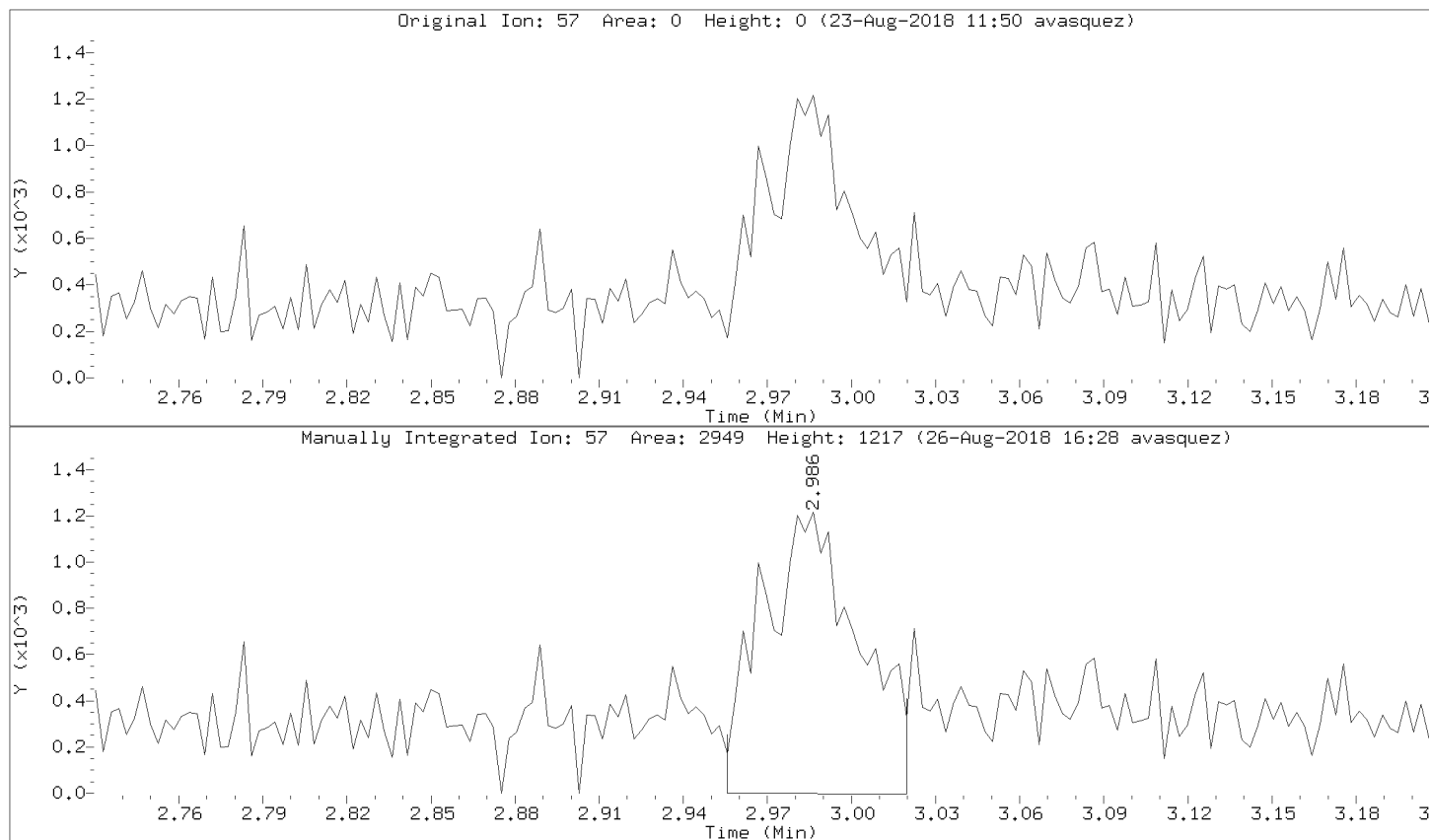
Compound: 2-Butanone

Review Code: NI

CAS Number: 78-93-3

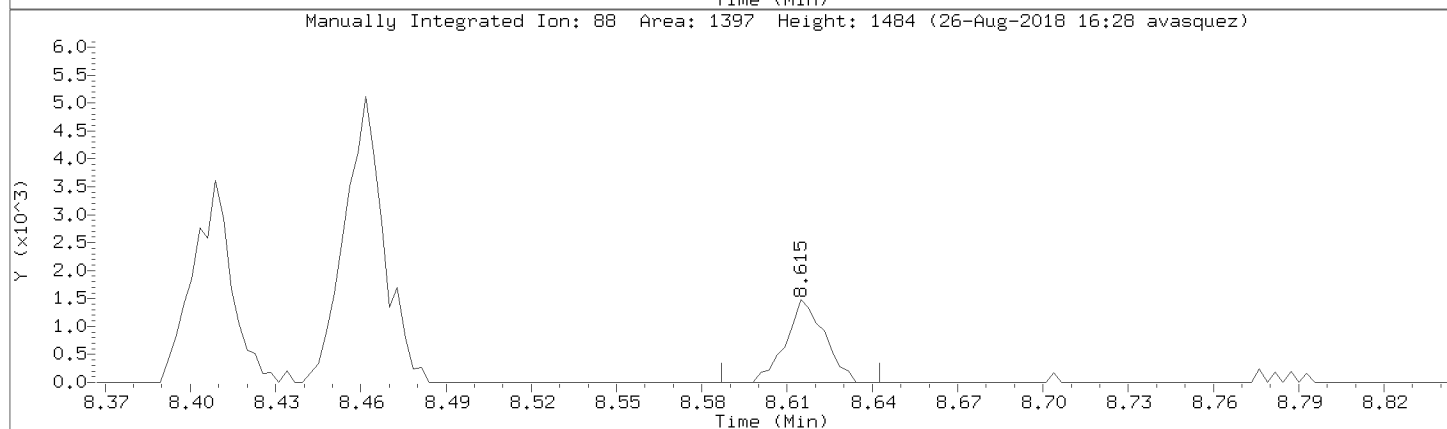
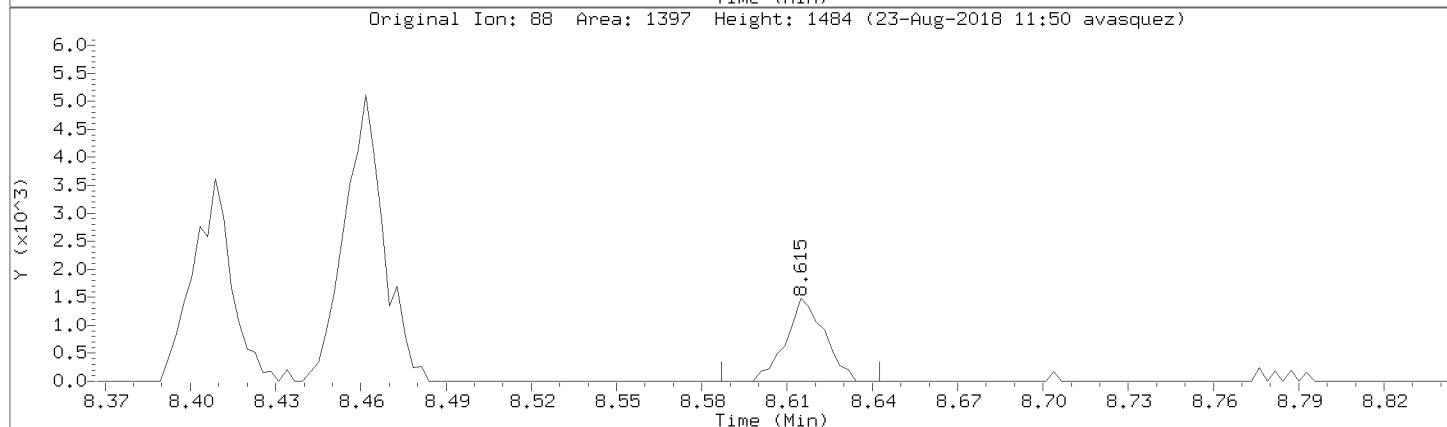
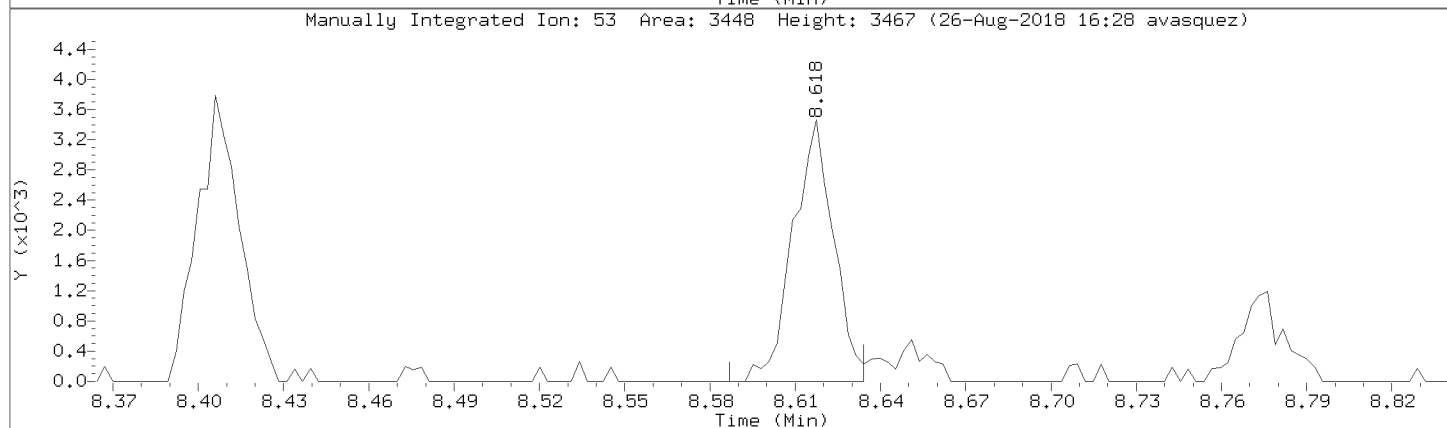
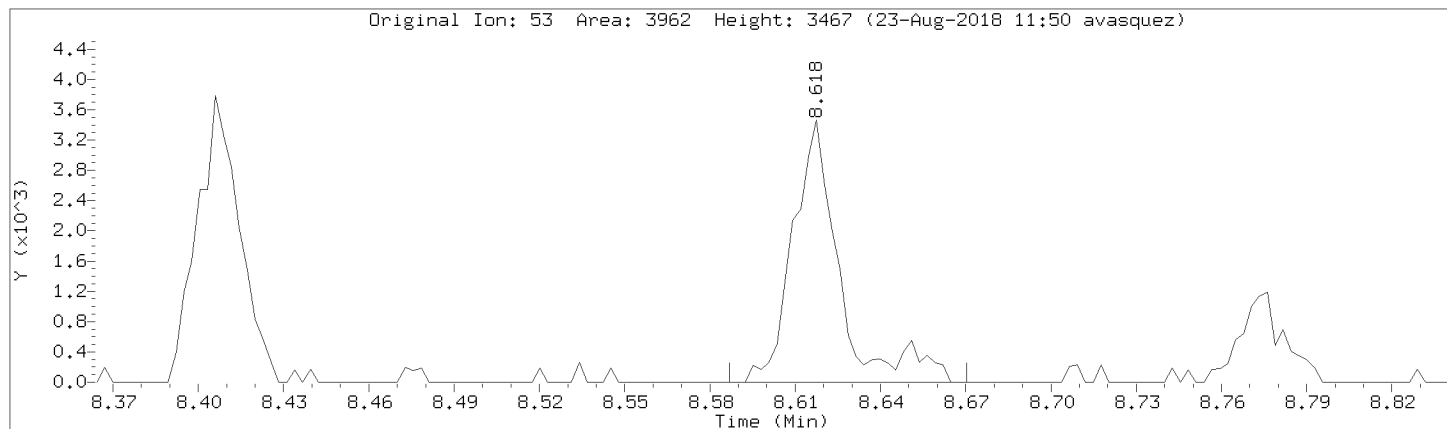


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Lab Sample ID: 8260-CAL4

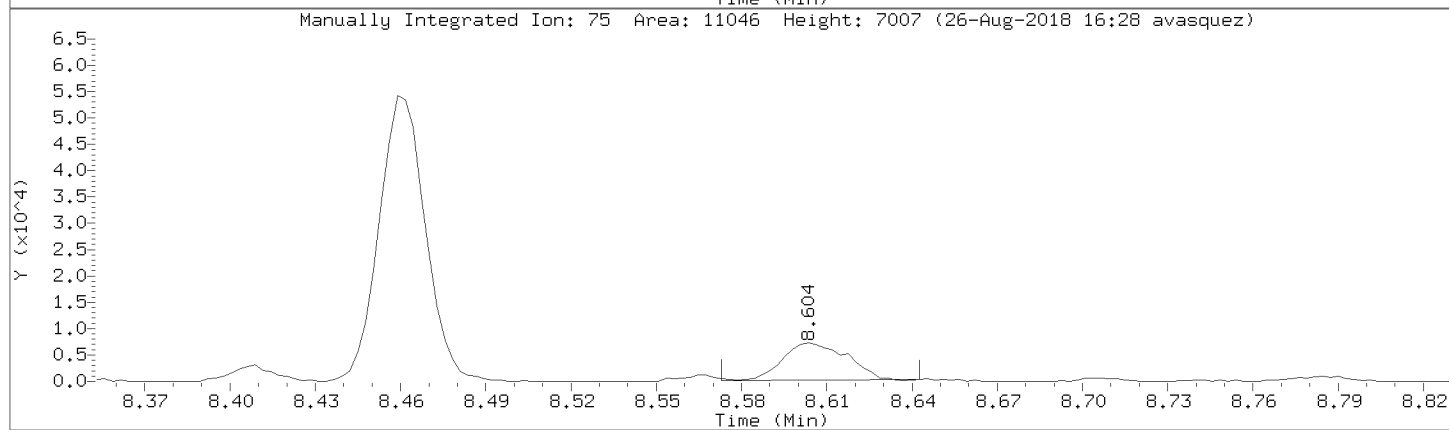
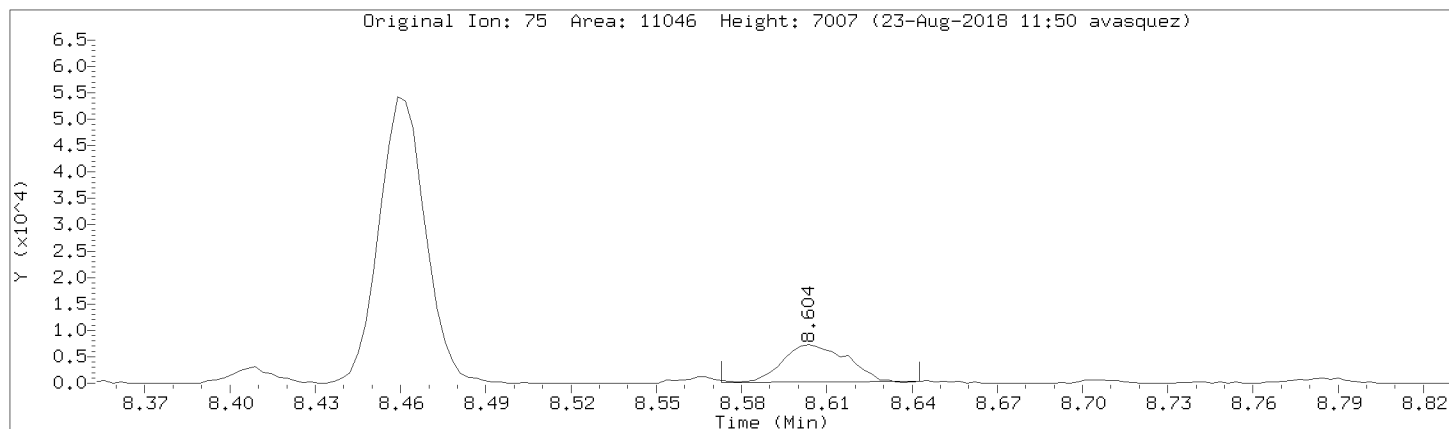


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Injection Date: 22-AUG-2018 15:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4

Compound: trans-1,4-Dichloro-2-butene Review Code: GT
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



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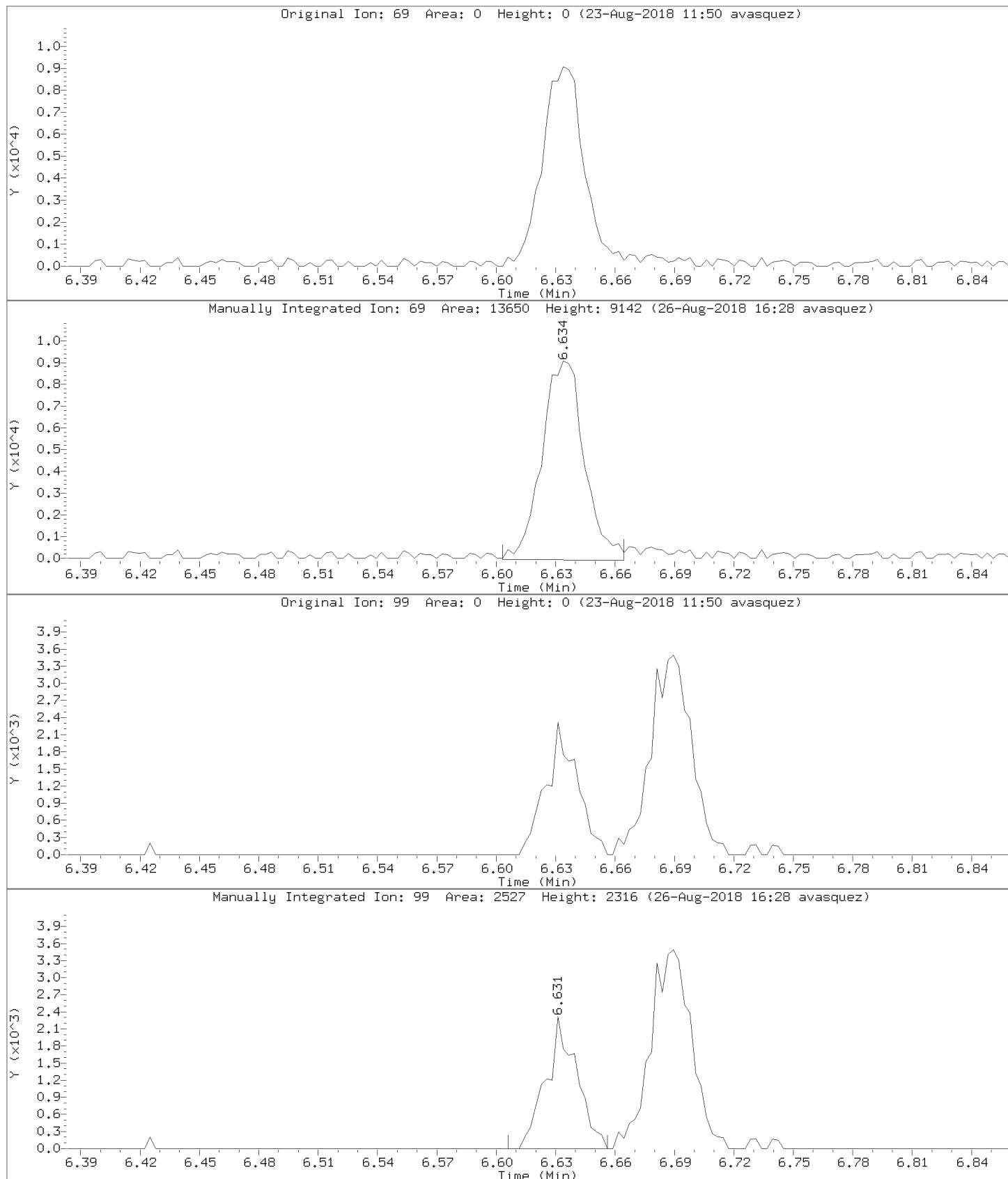
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Lab Sample ID: 8260-CAL4

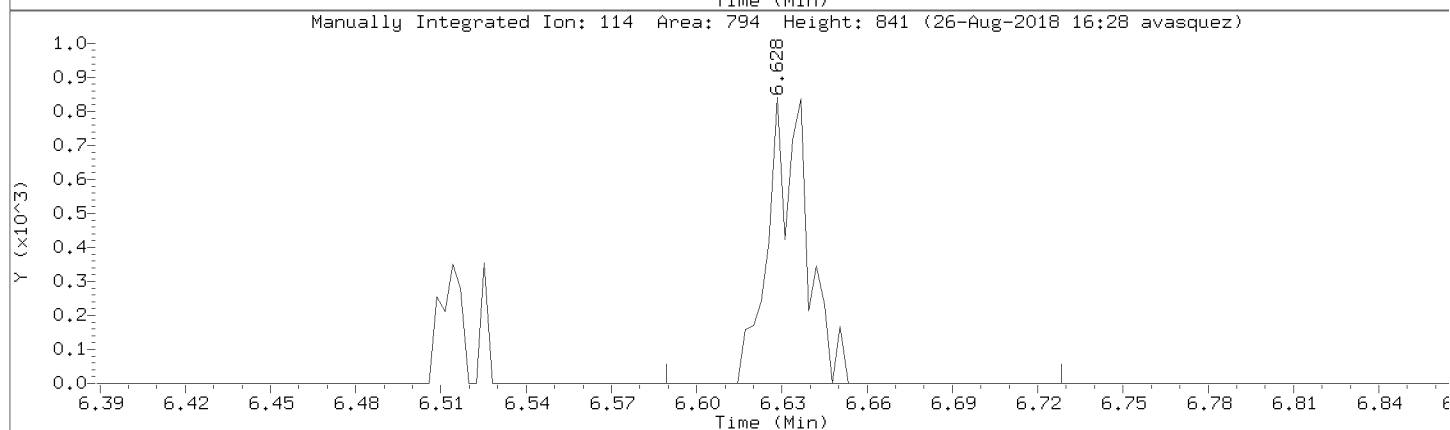
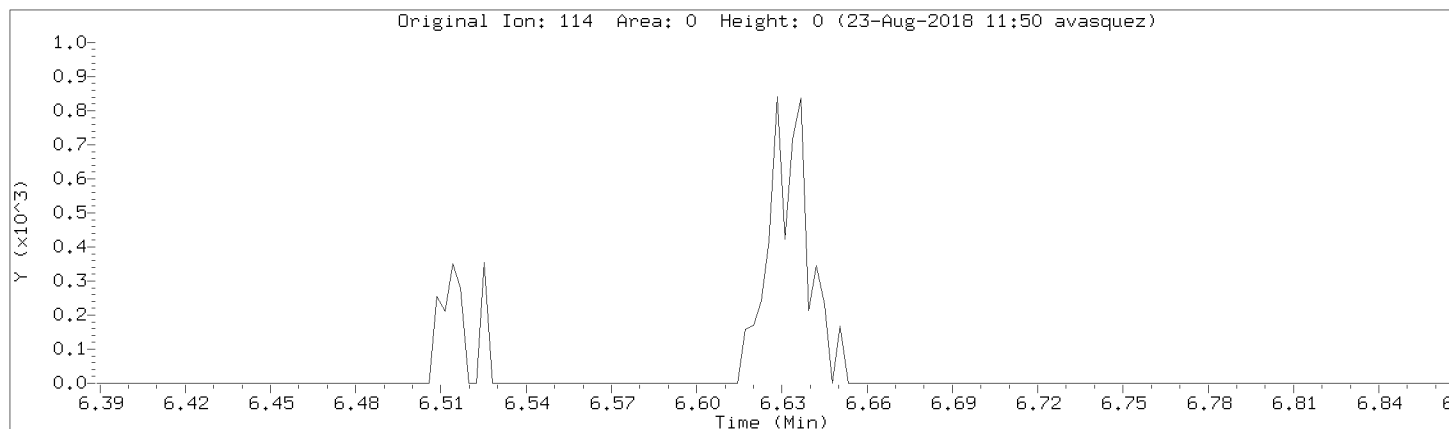
Compound: Ethyl Methacrylate

Review Code: NI

CAS Number:



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a05cal.d
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Lab Sample ID: 8260-CAL4



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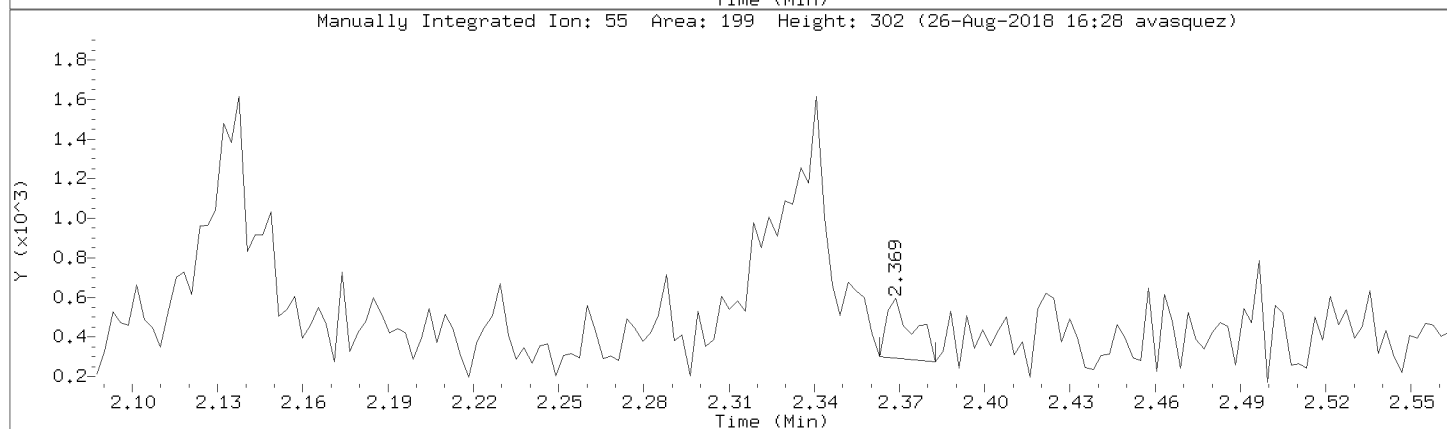
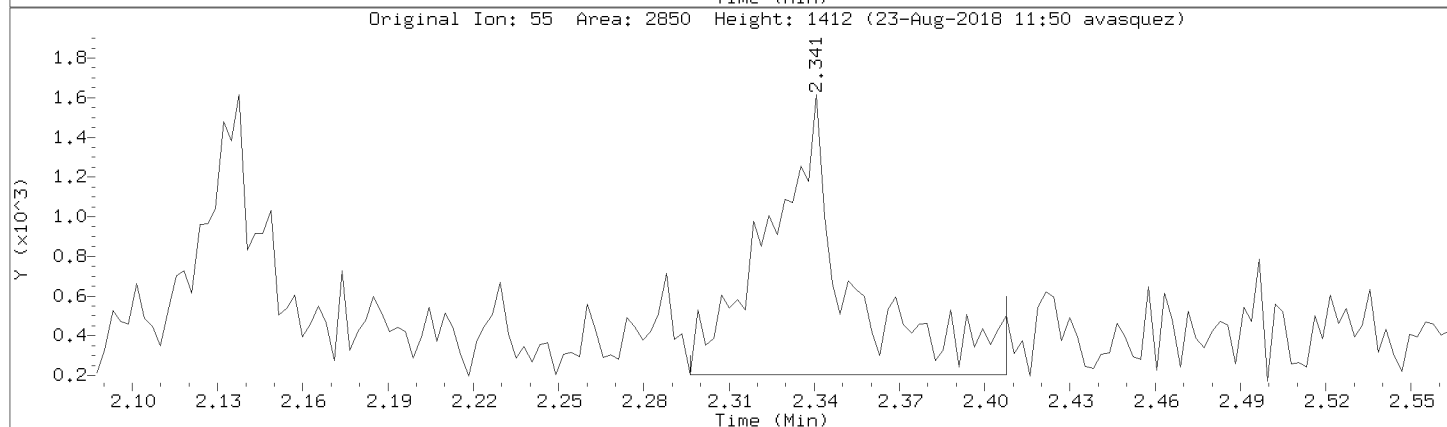
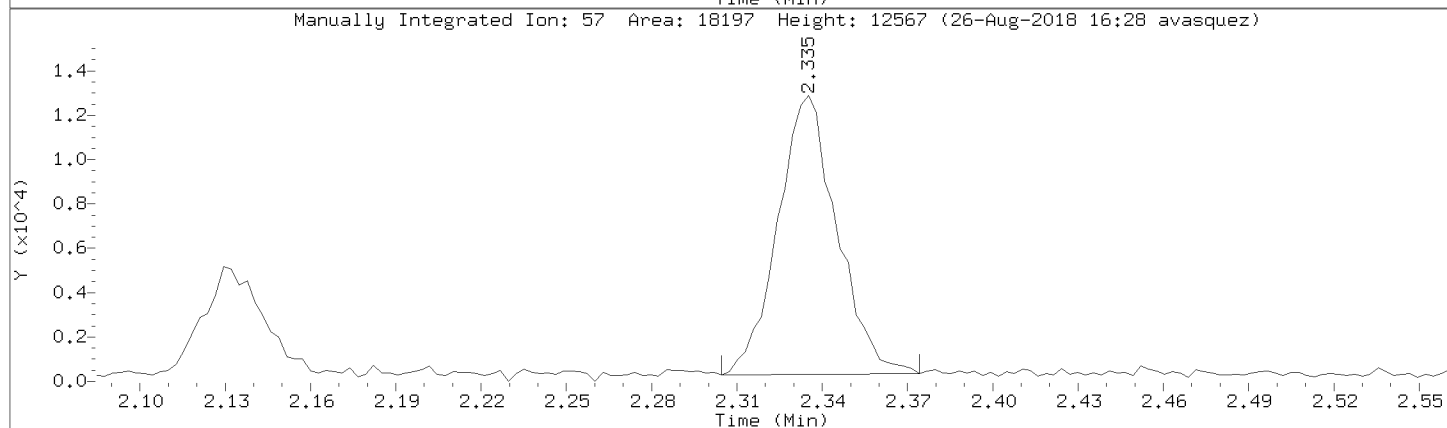
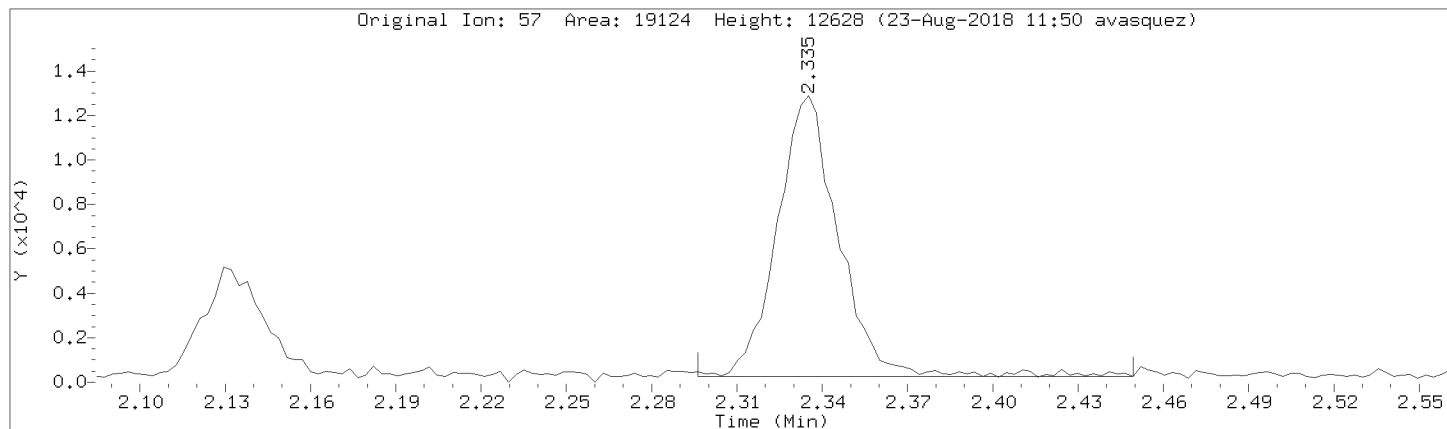
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Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

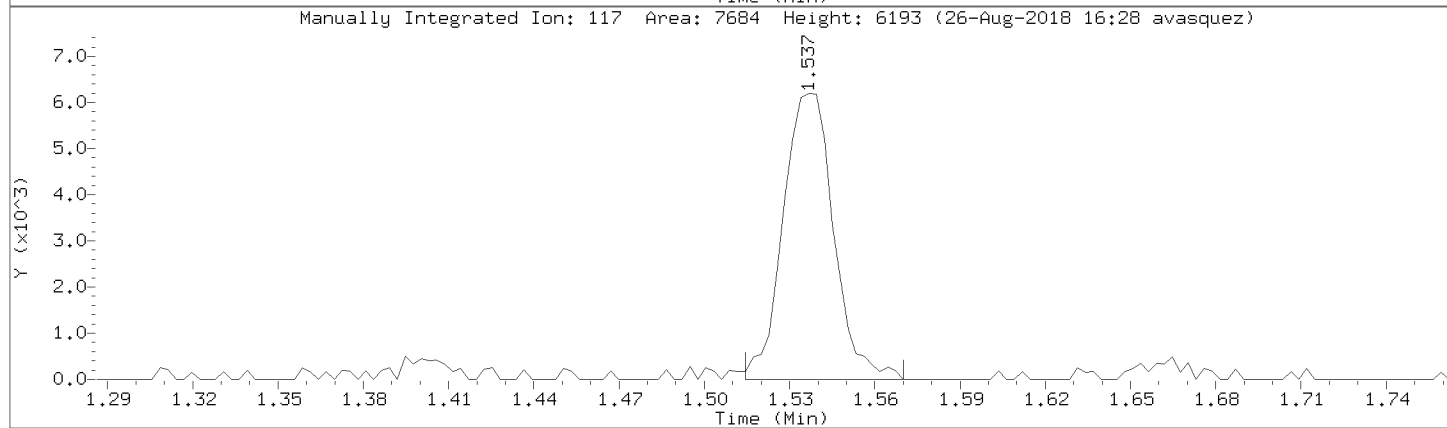
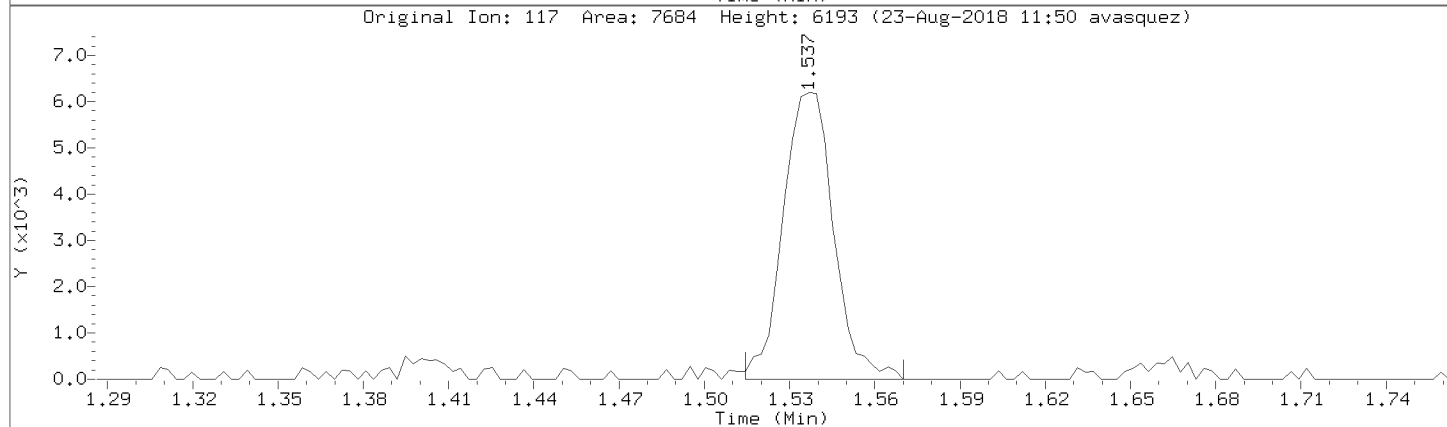
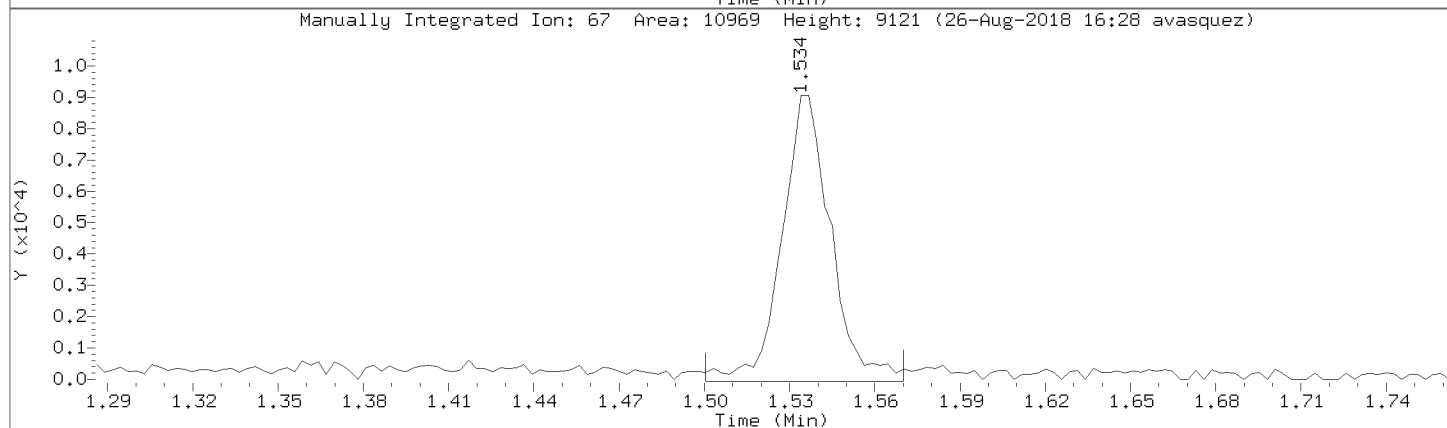
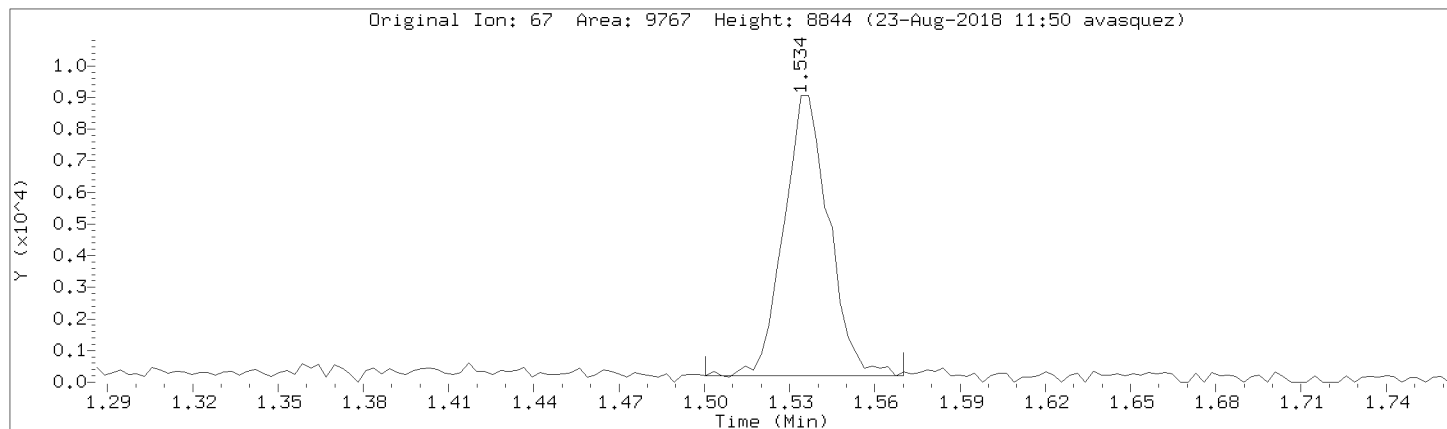
Compound: n-Hexane Review Code: NI

CAS Number:

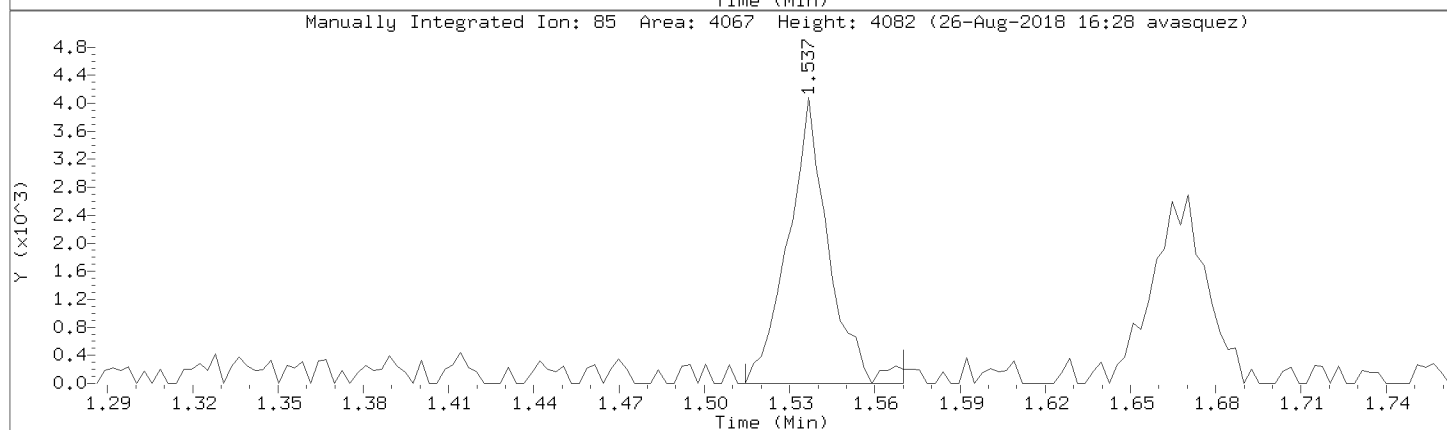
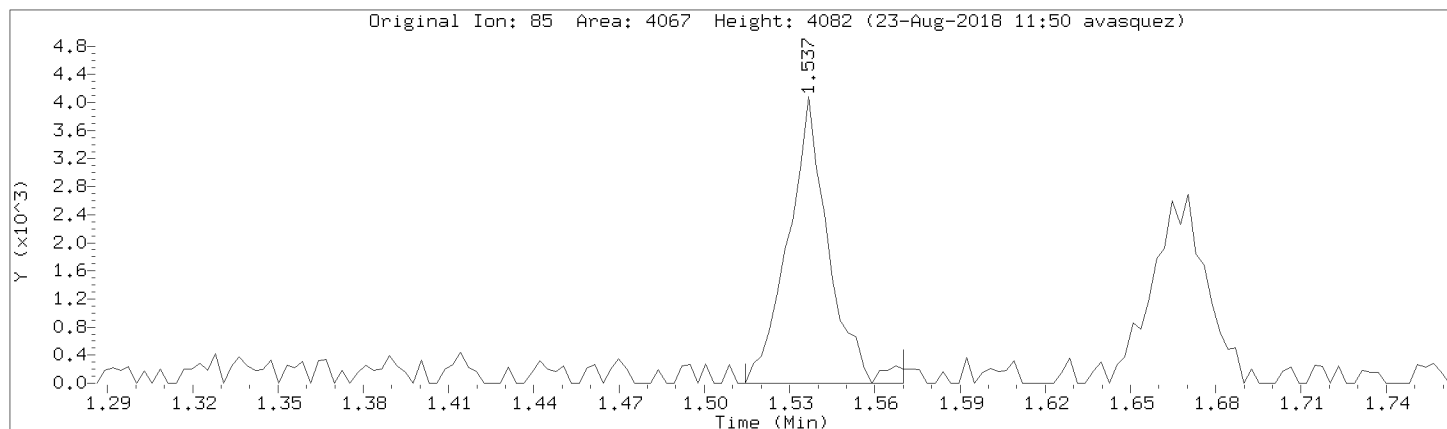


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Injection Date: 22-AUG-2018 15:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4

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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Injection Date: 22-AUG-2018 15:57

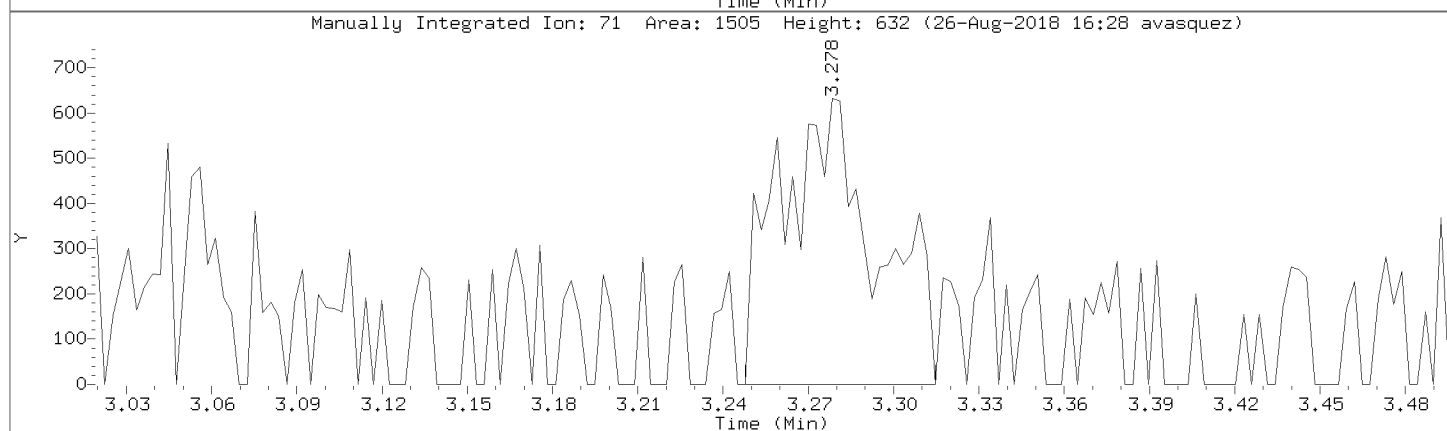
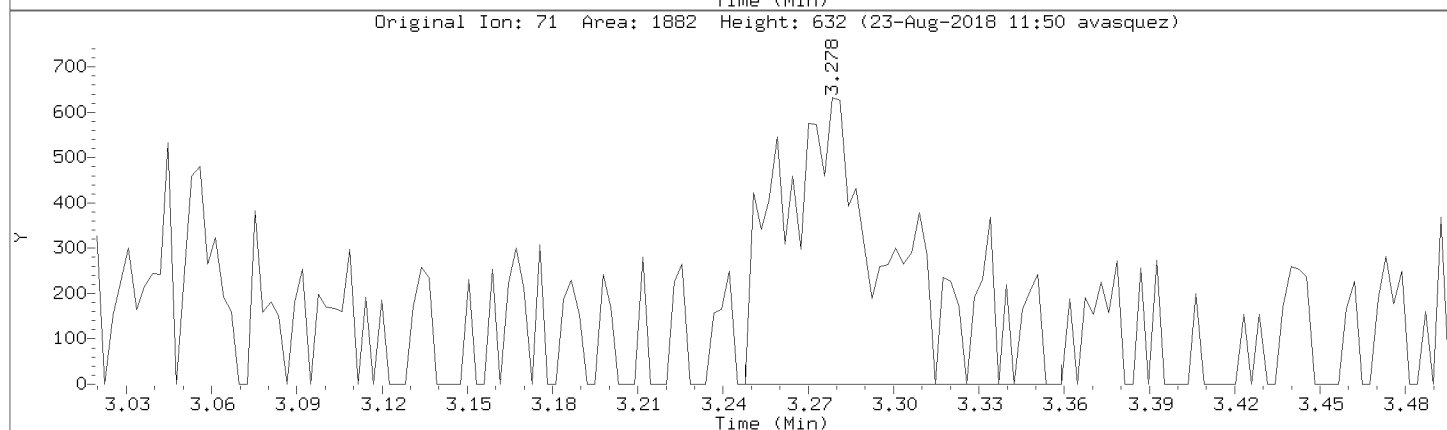
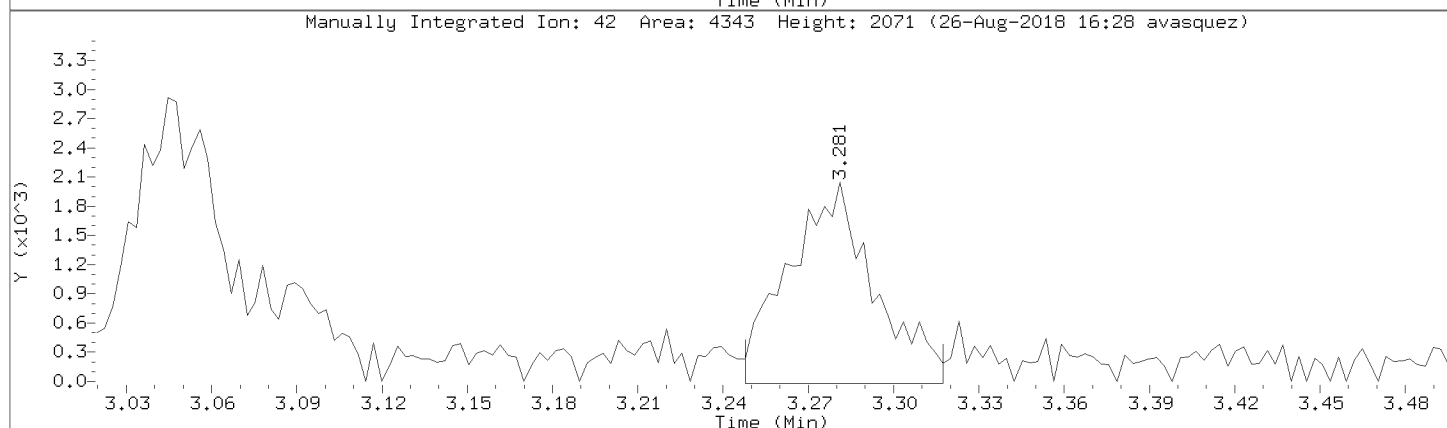
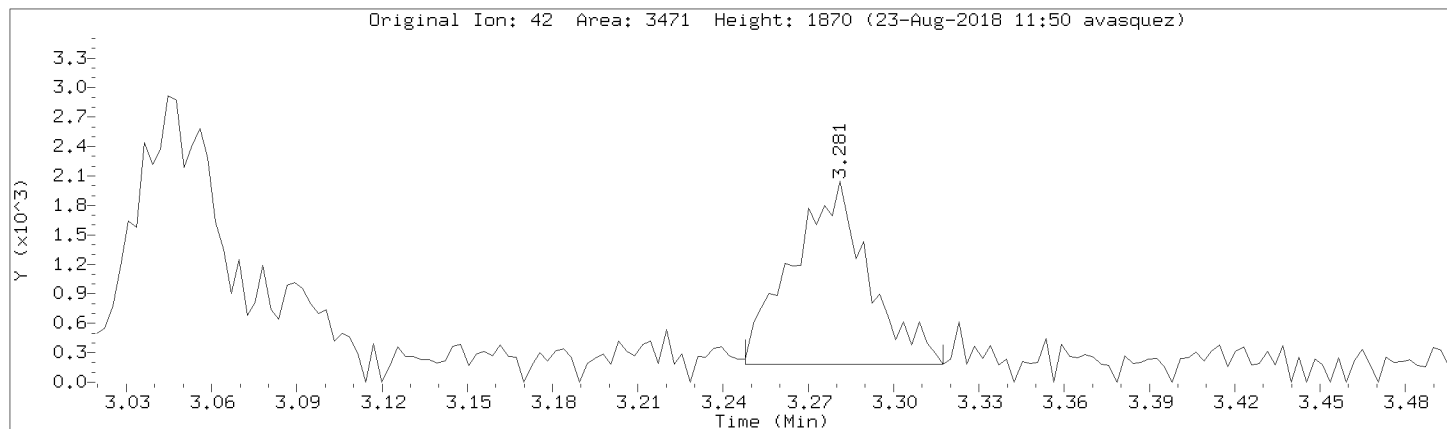
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

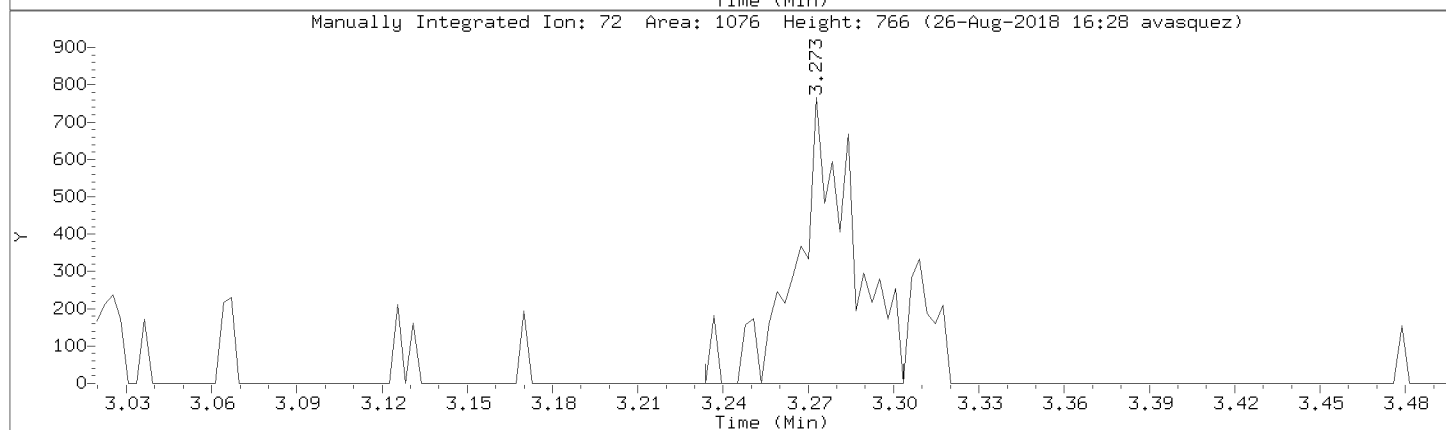
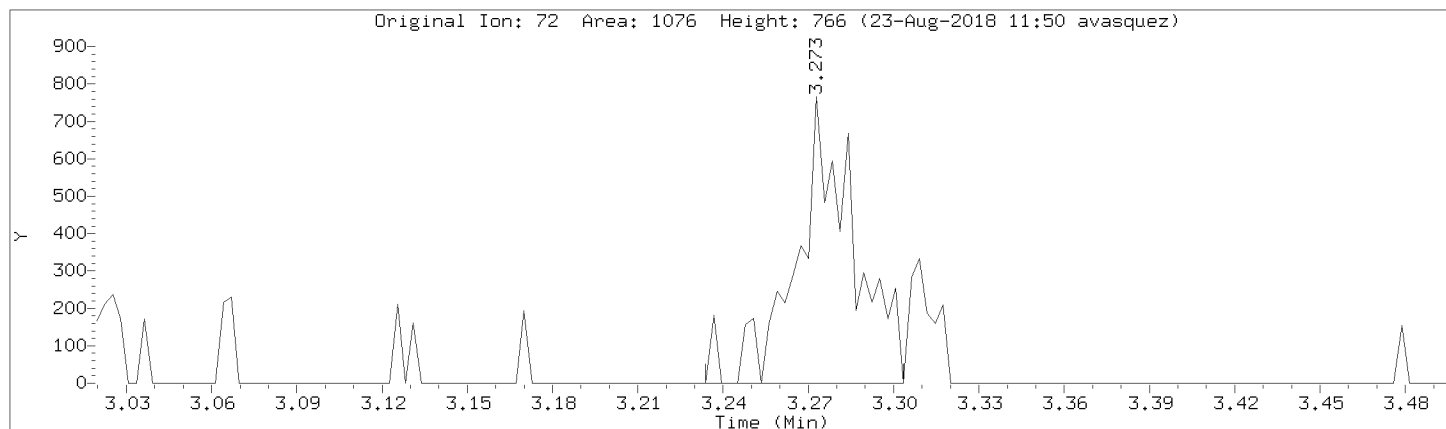
Compound: Tetrahydrofuran

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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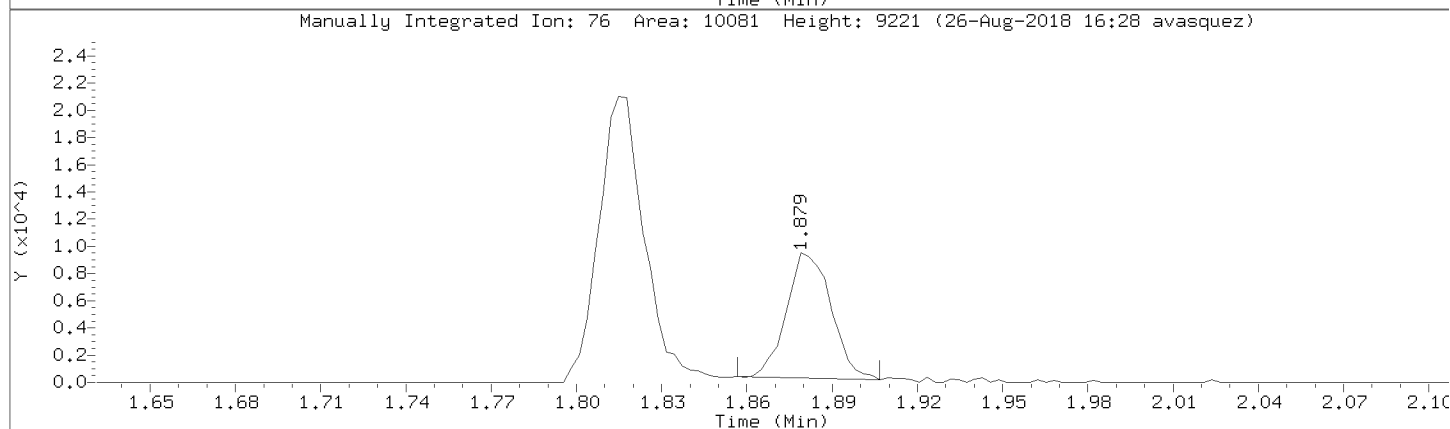
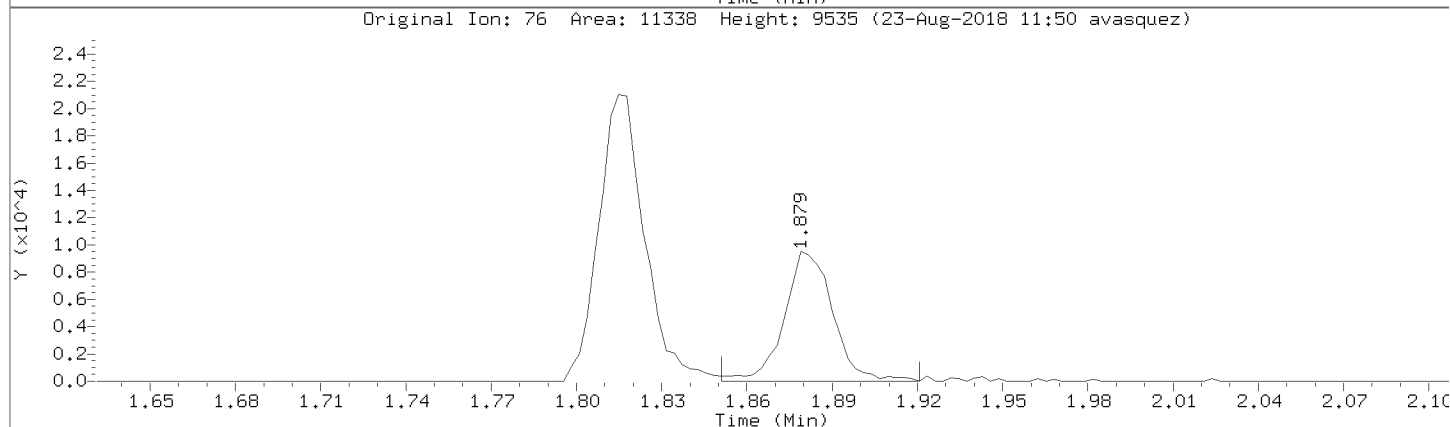
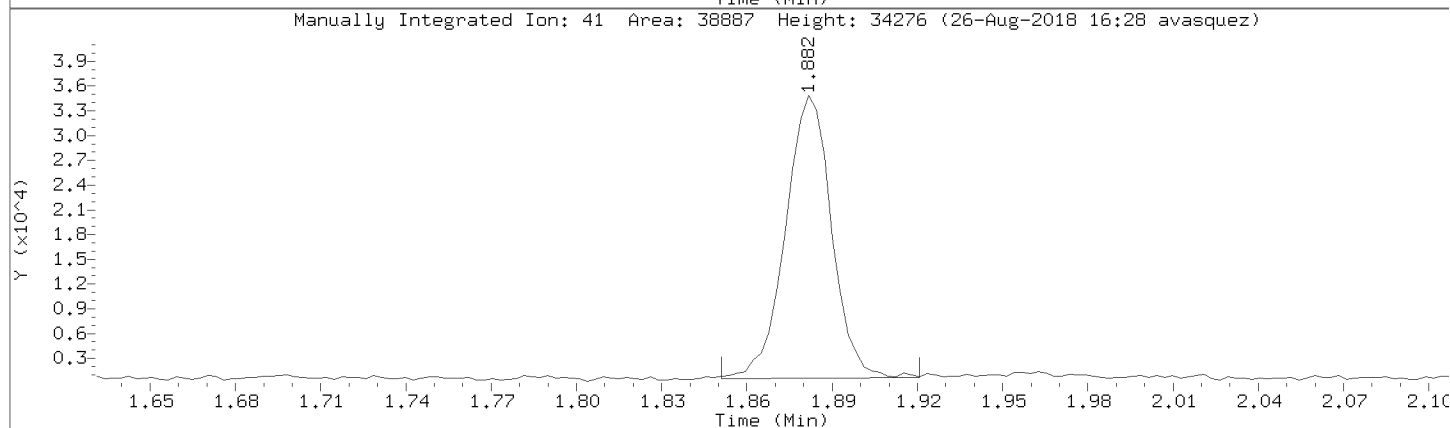
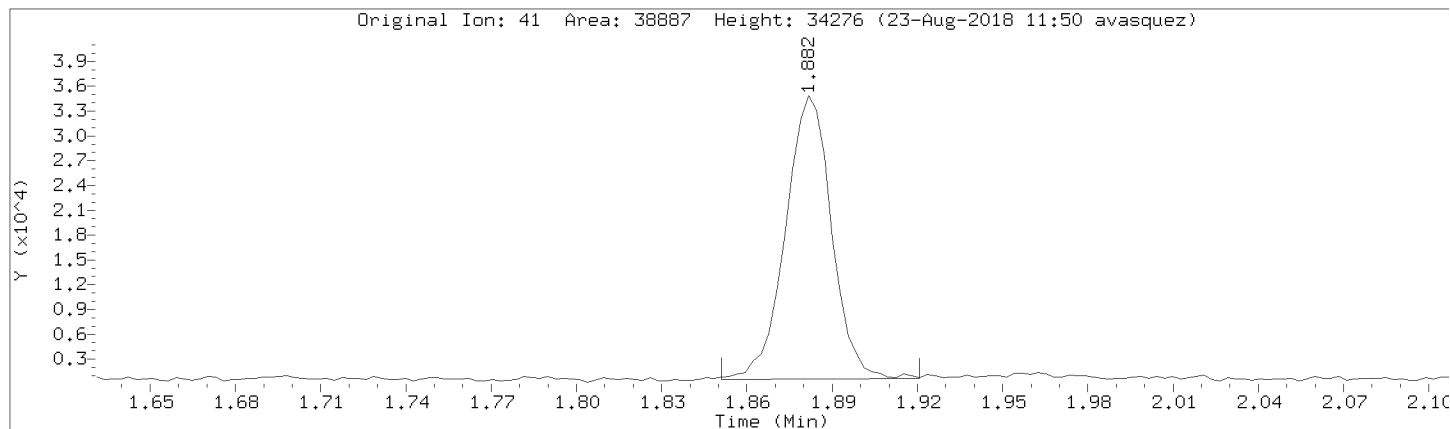
Instrument: 50mv2a.i

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\082218.b\05cal.d

Injection Date: 22-AUG-2018 15:57

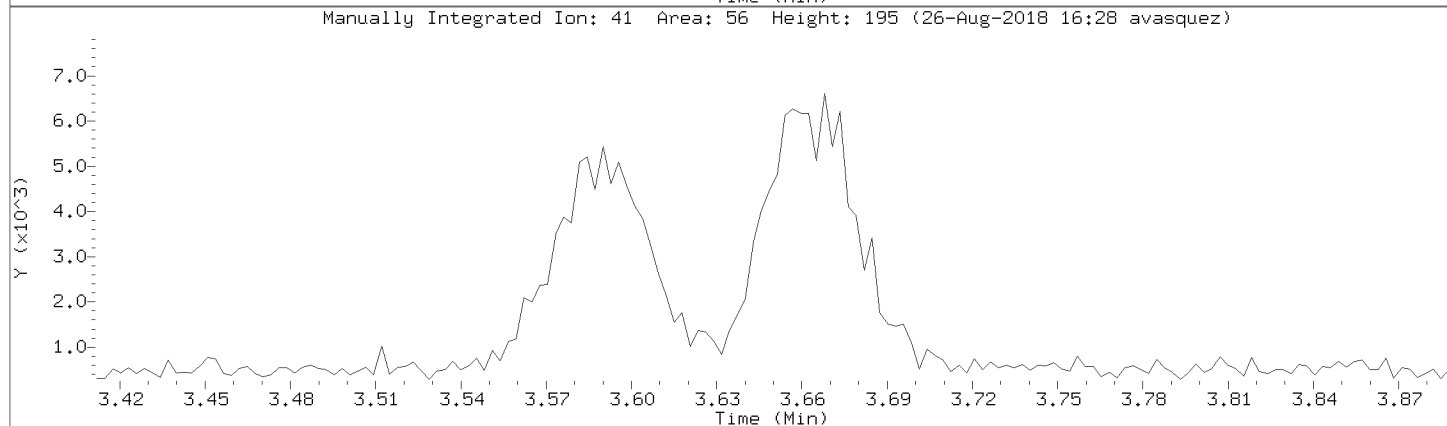
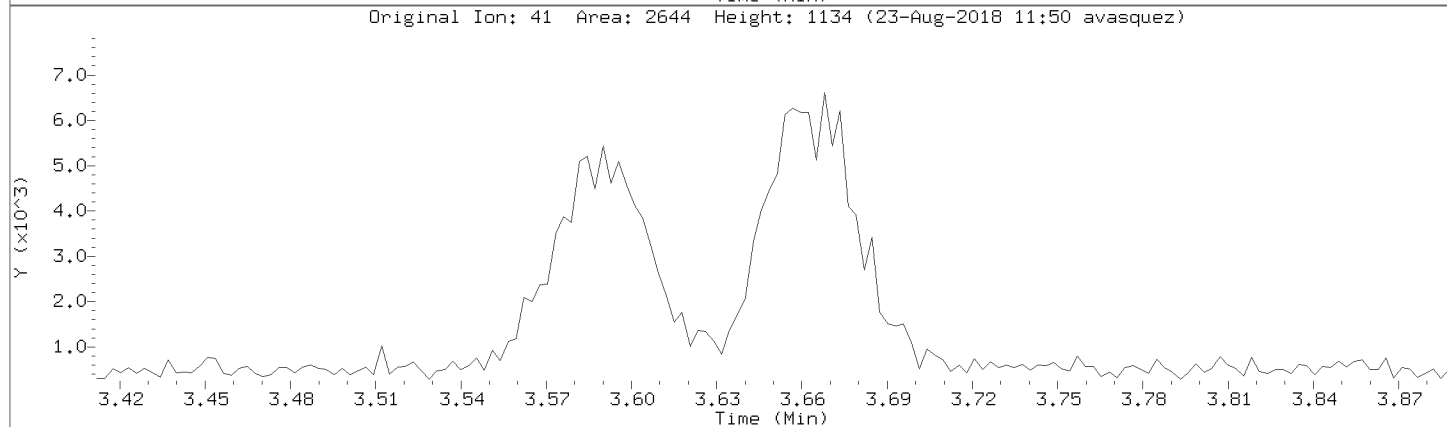
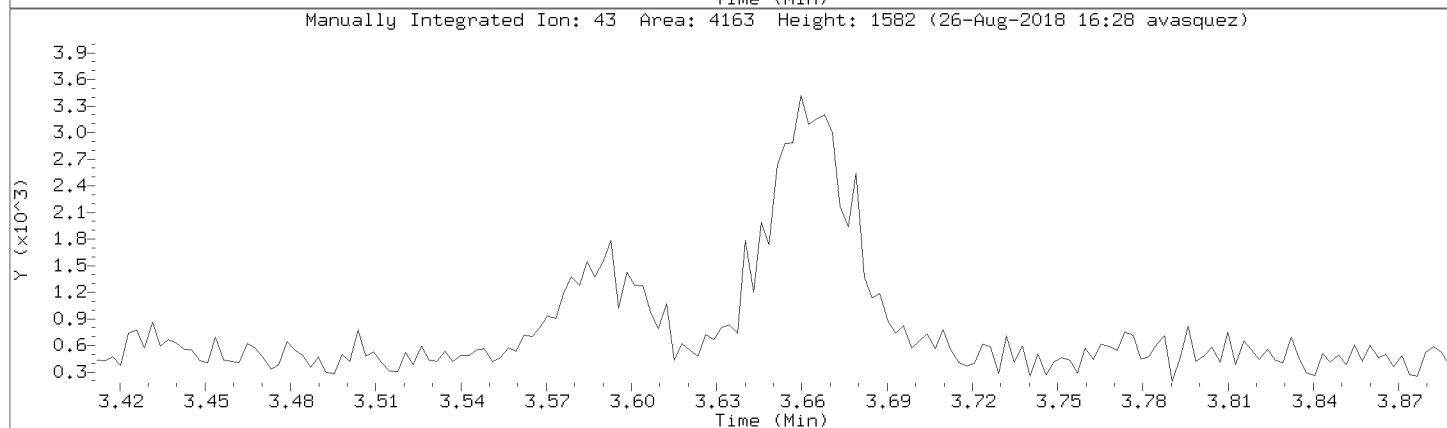
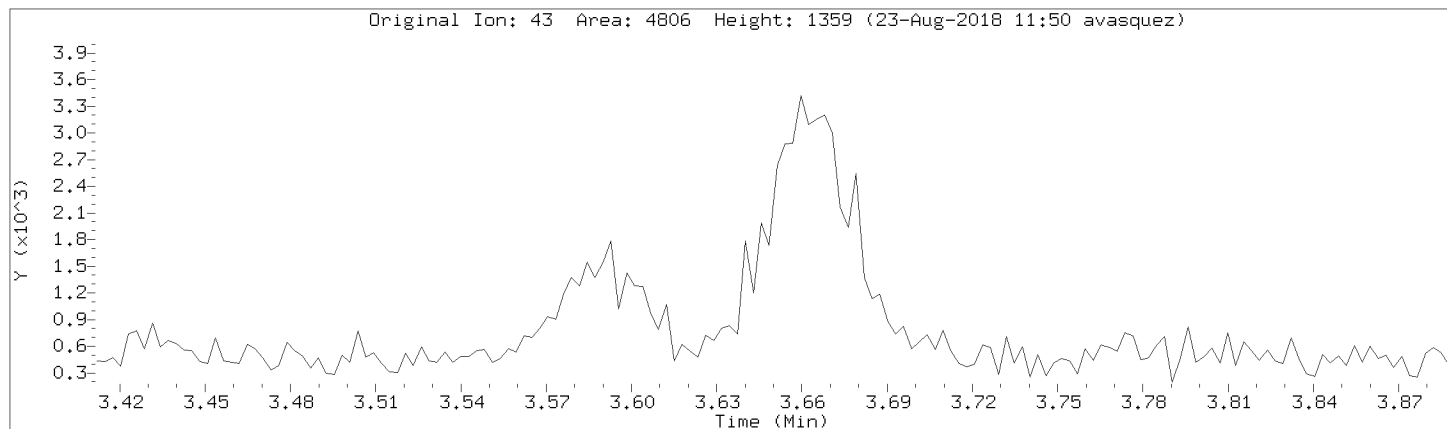
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: Isobutyl alcohol

Review Code:

CAS Number: 78-83-1

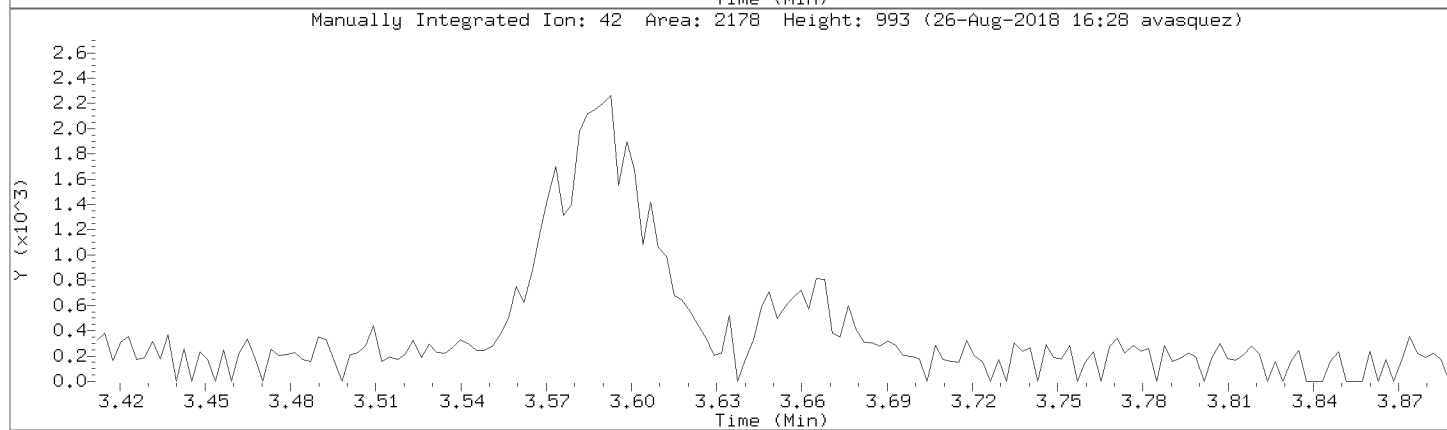
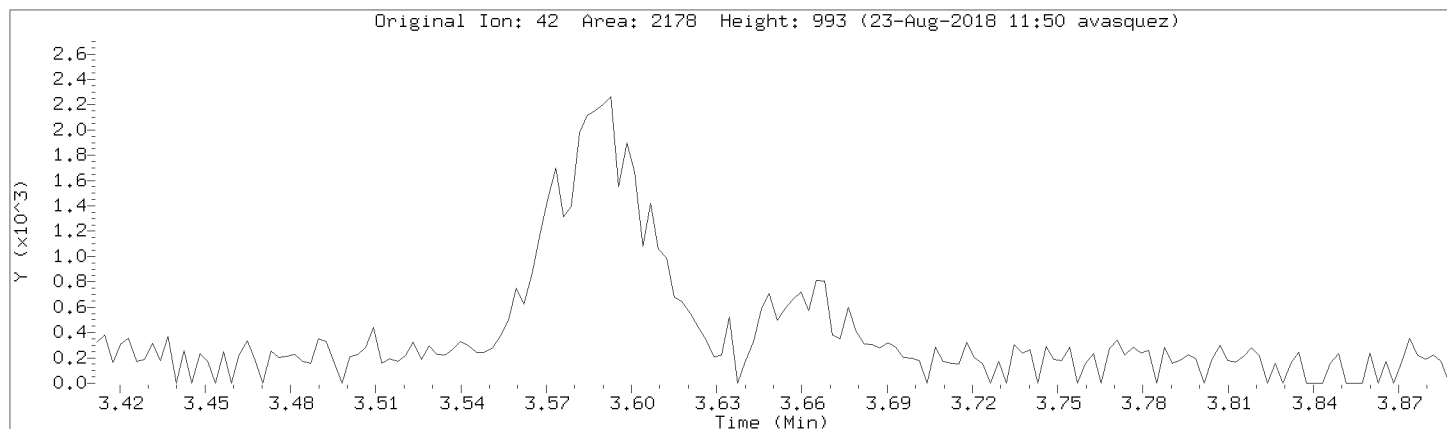


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Injection Date: 22-AUG-2018 15:57

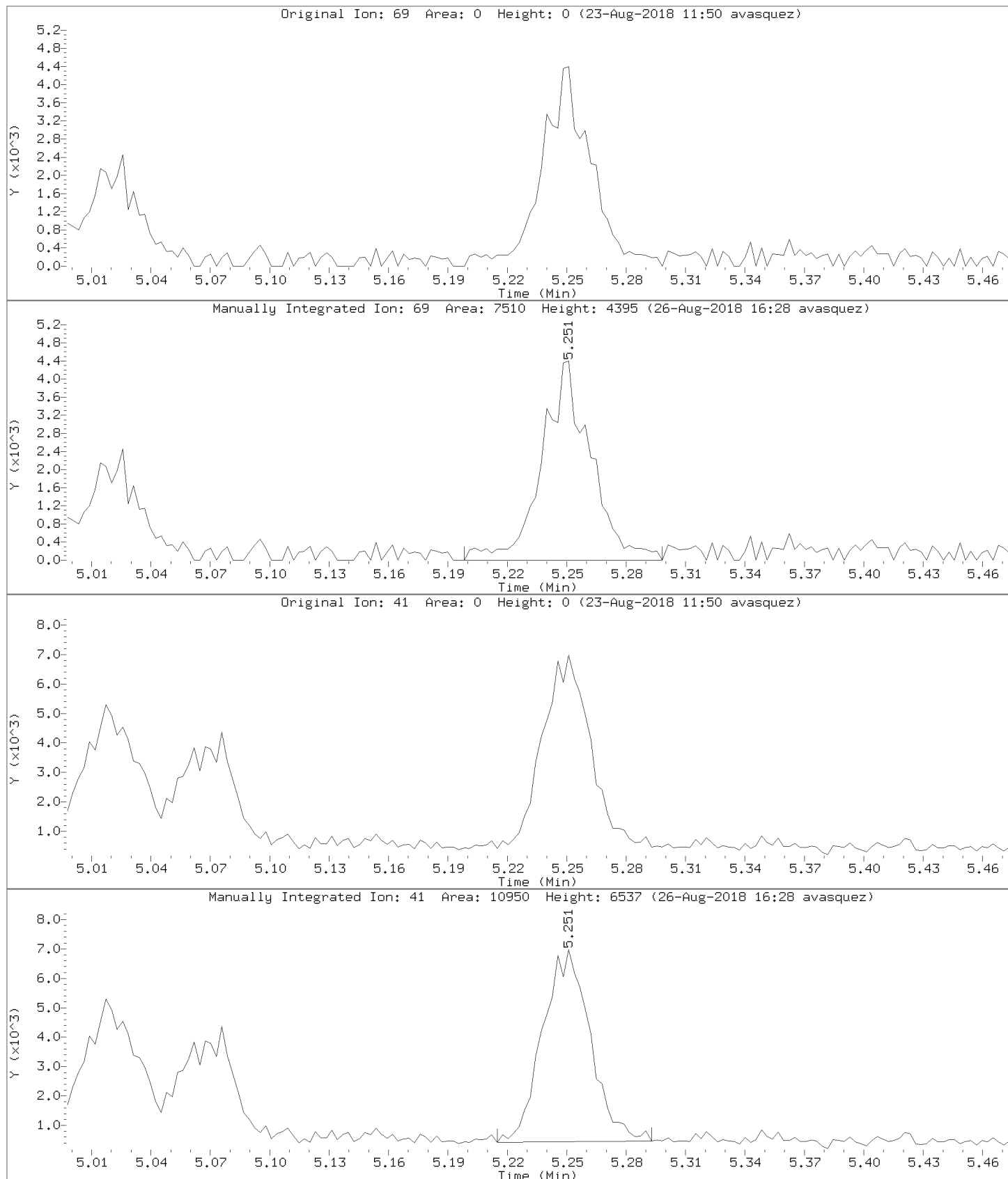
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

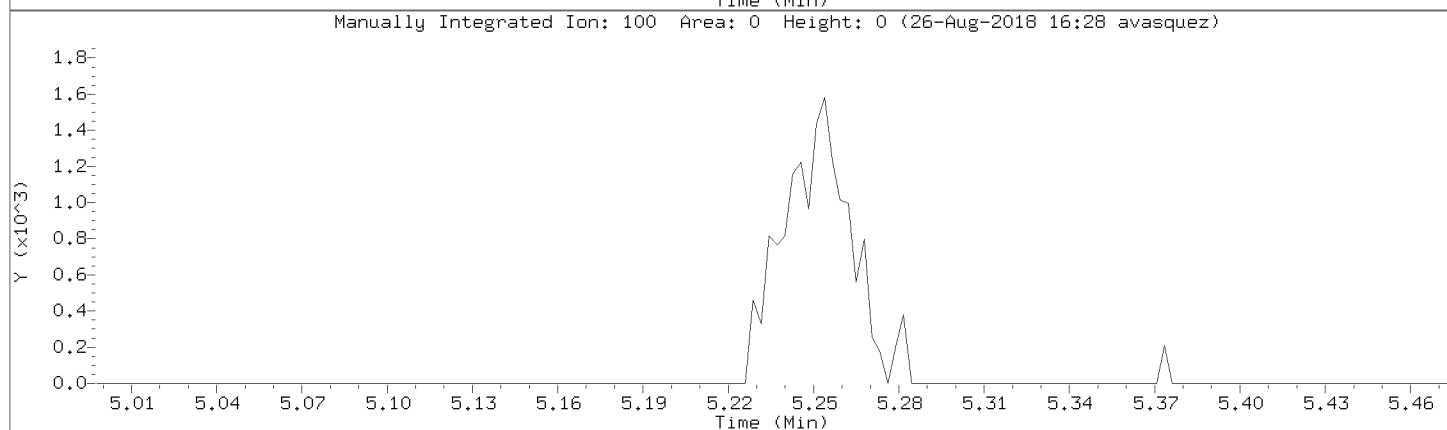
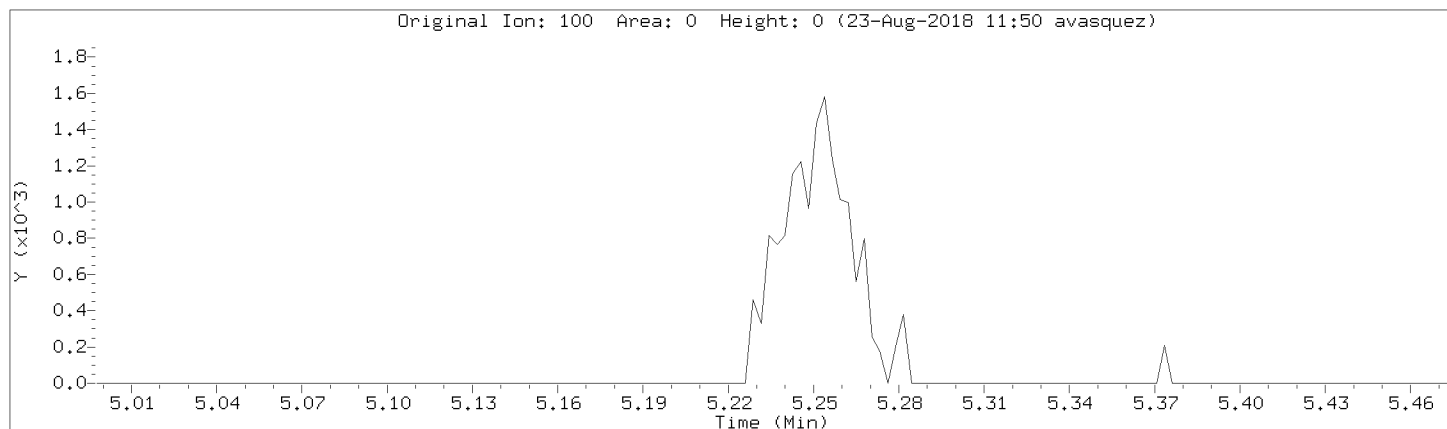


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Injection Date: 22-AUG-2018 15:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4

Compound: Methyl methacrylate Review Code: NI
CAS Number: 80-62-6



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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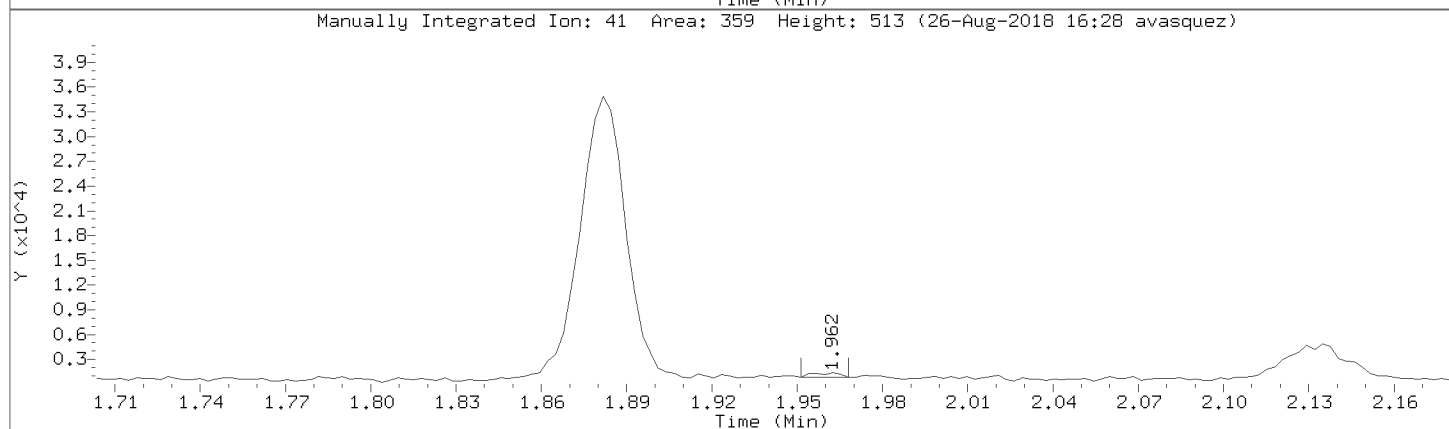
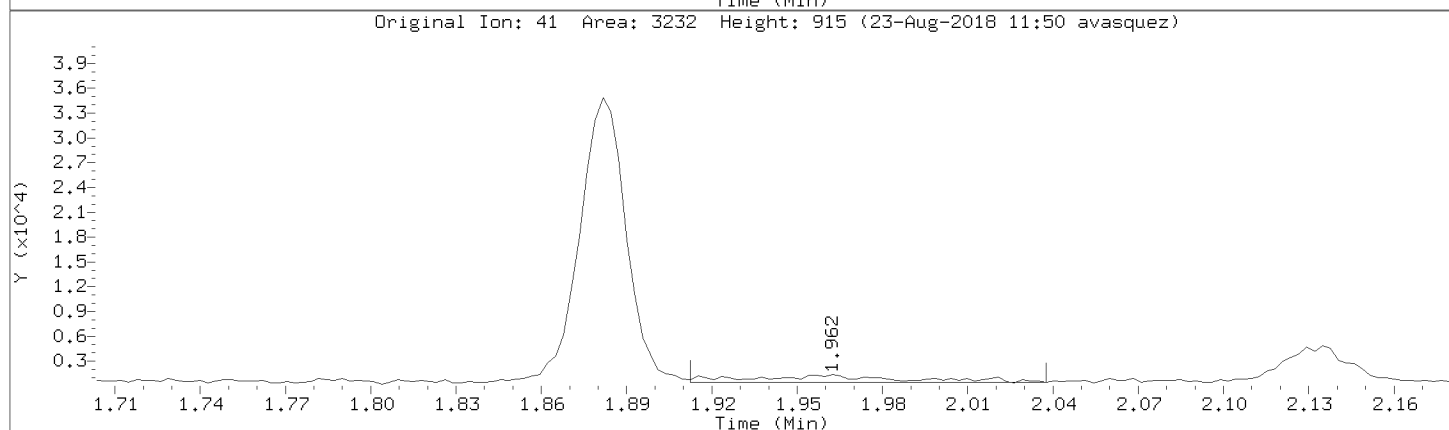
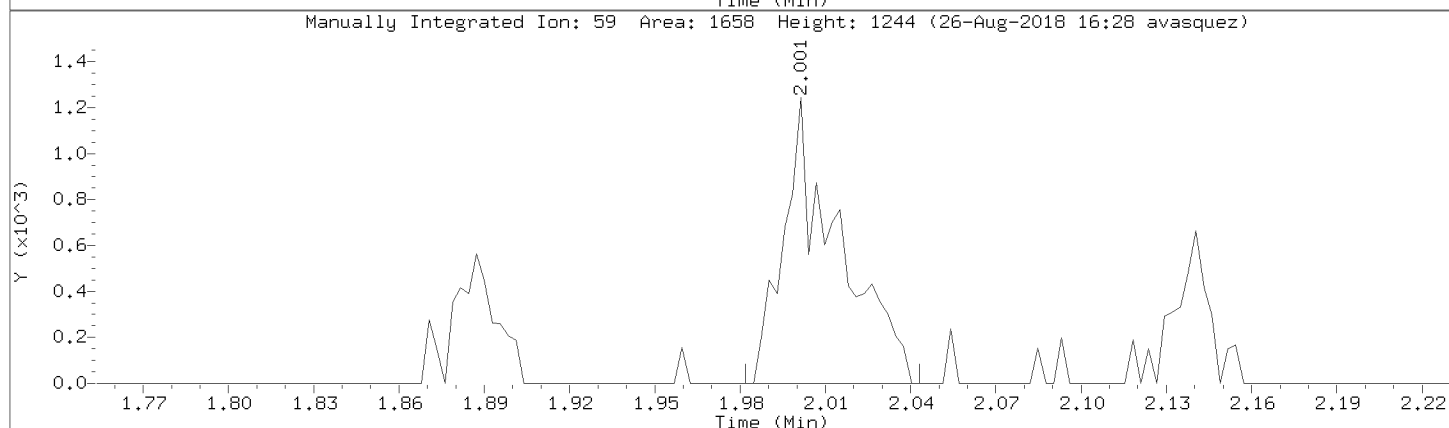
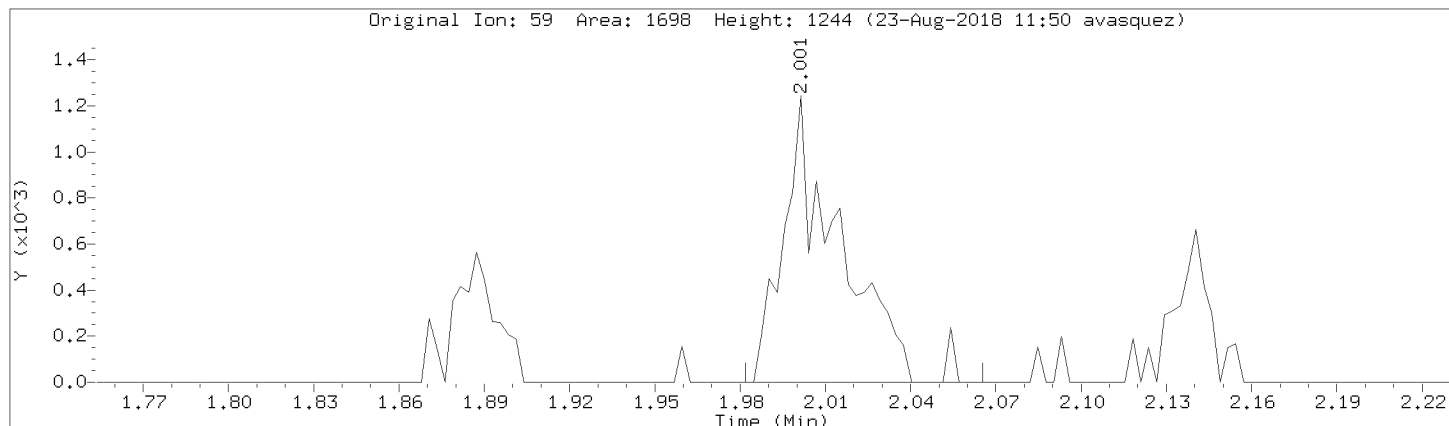
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: tert-Butyl Alcohol

Review Code: NI

CAS Number: 75-65-0



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Injection Date: 22-AUG-2018 15:57

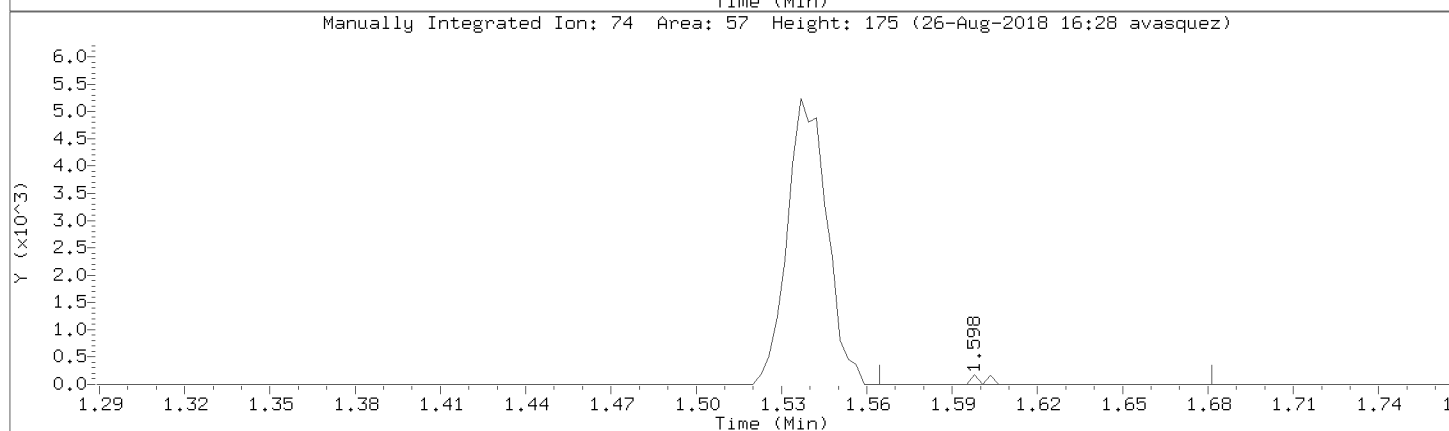
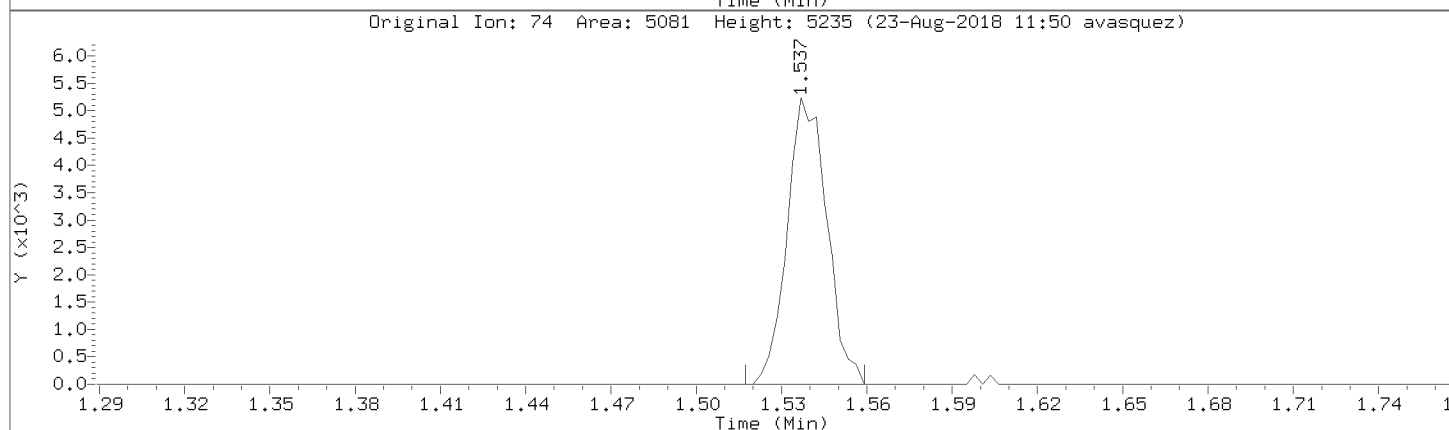
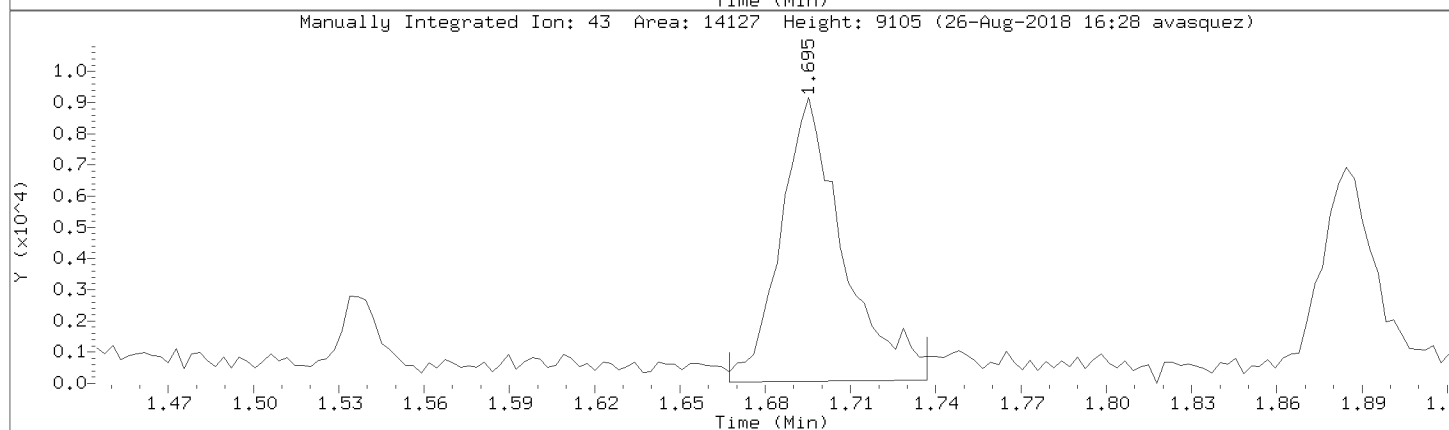
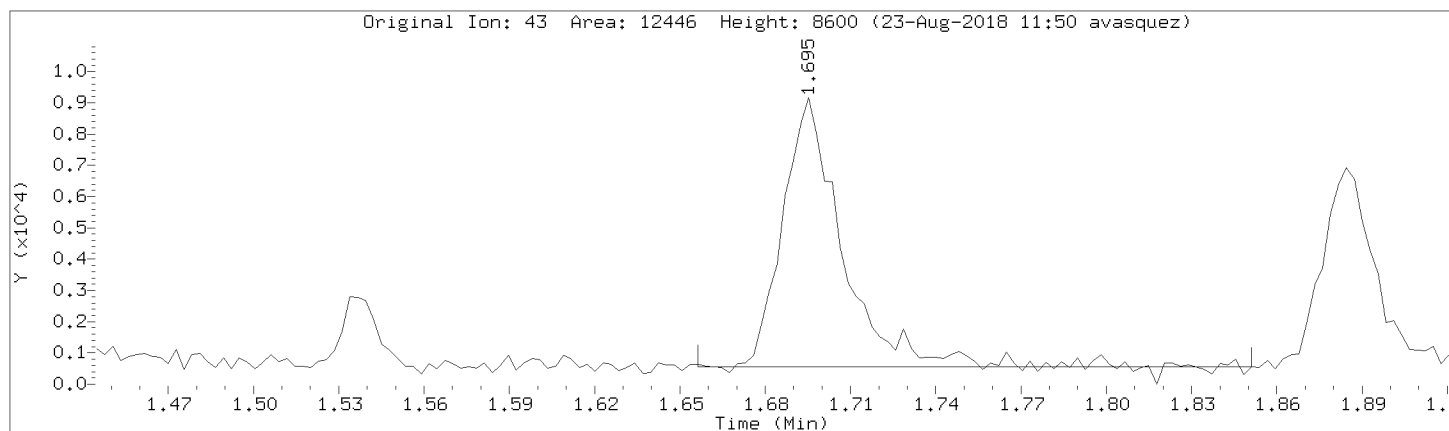
Instrument: 50mv2a.i

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

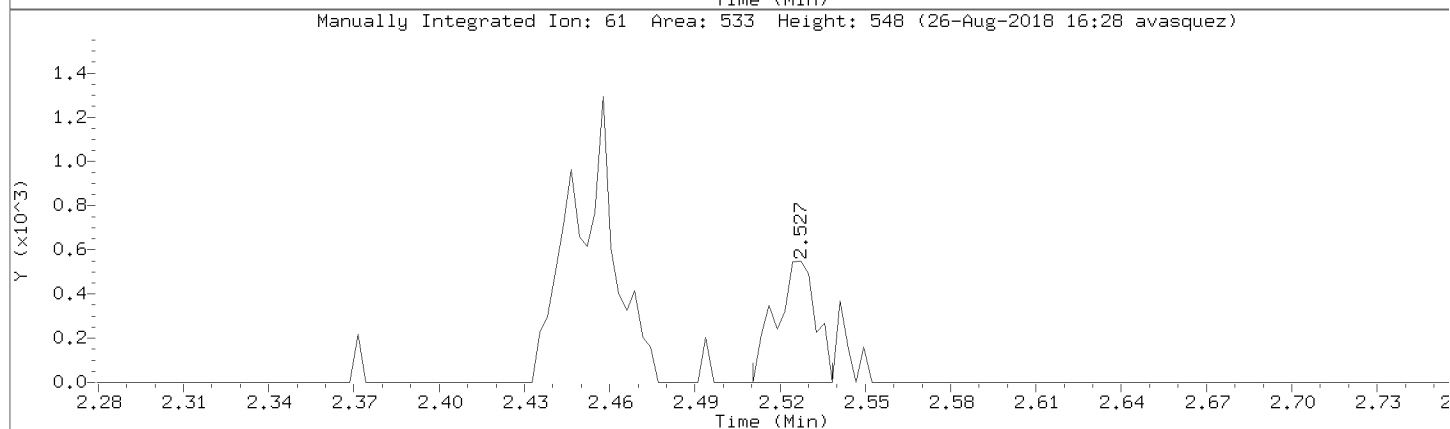
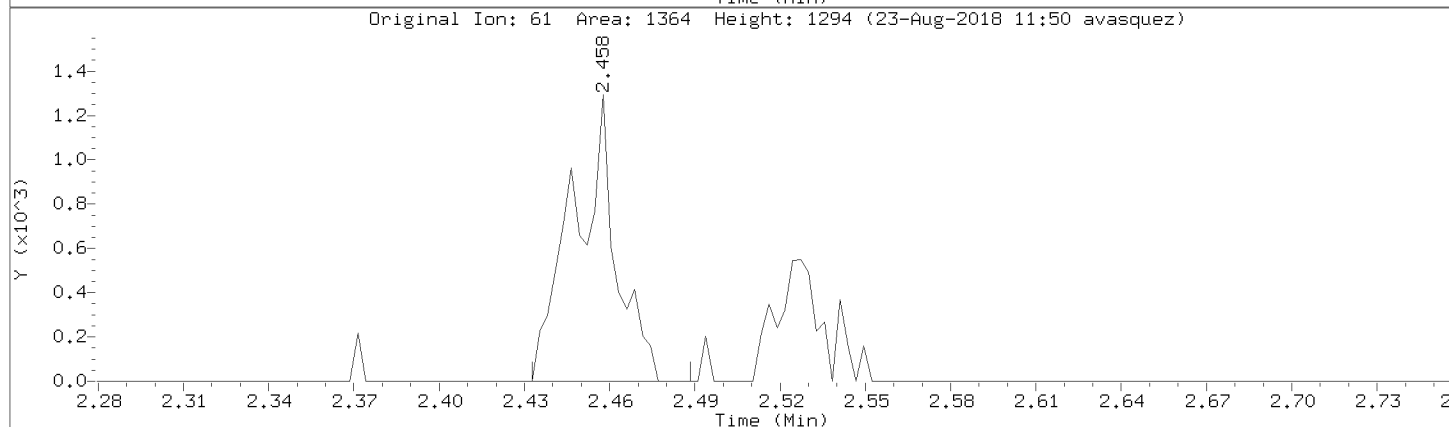
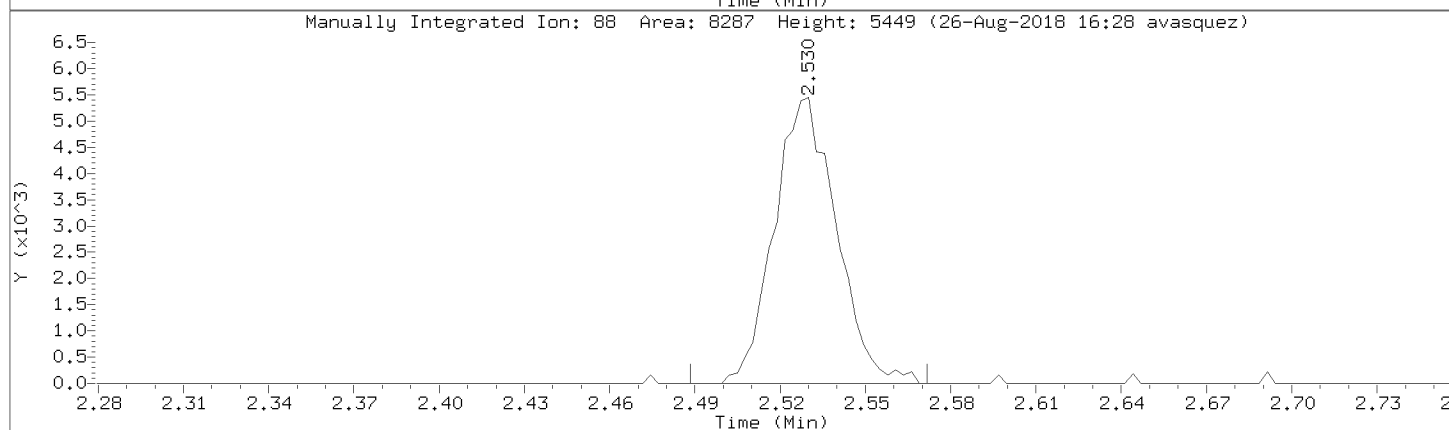
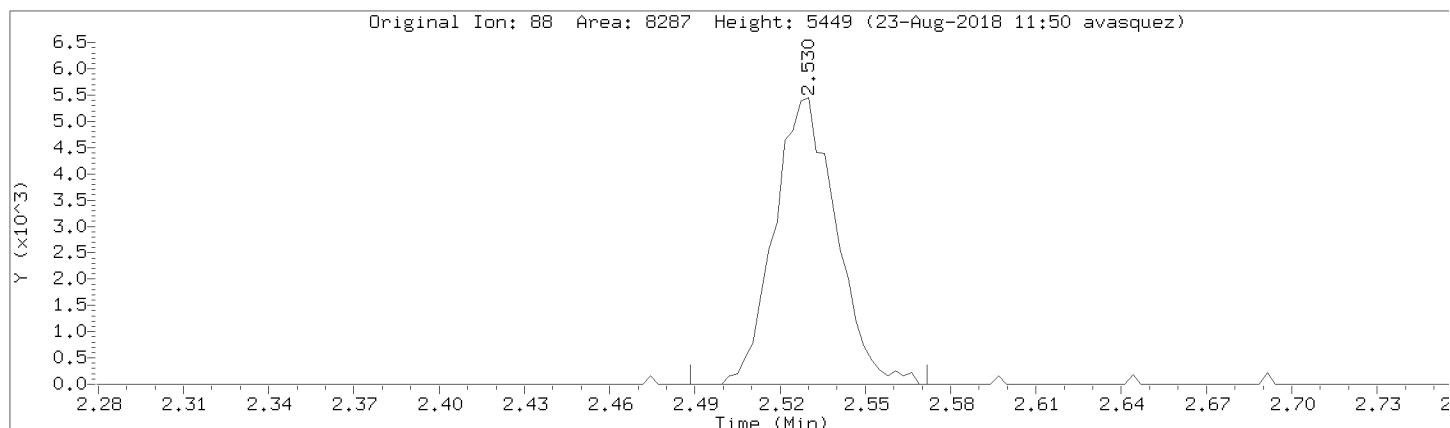
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

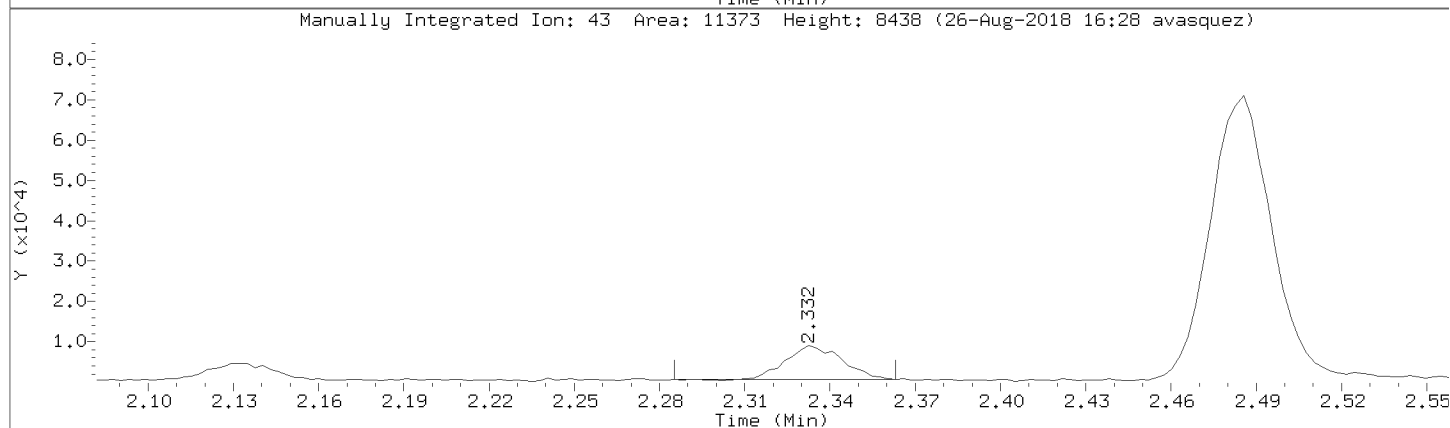
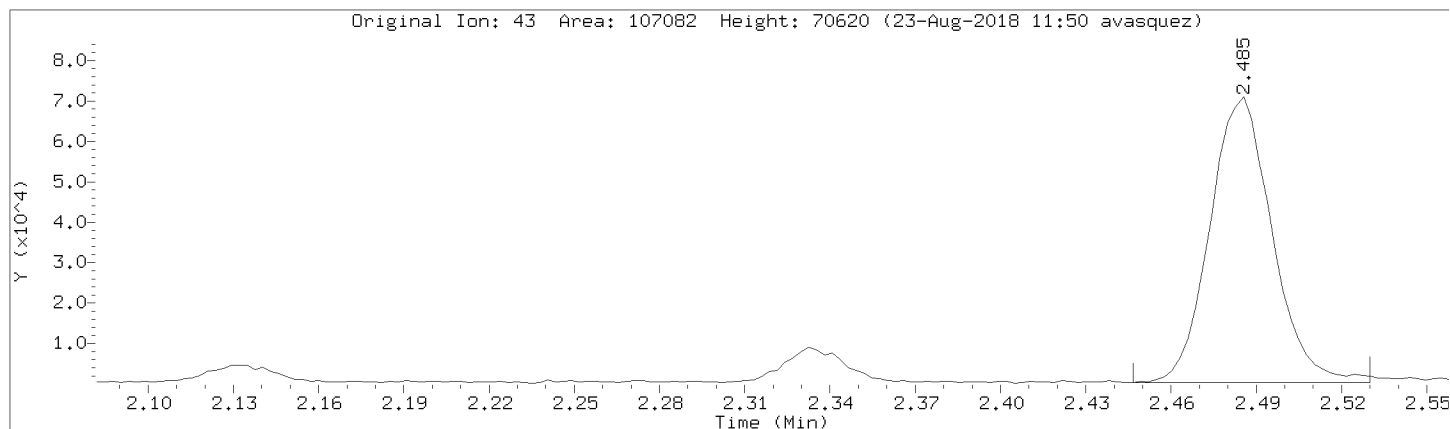
Compound: Ethyl acetate

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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Injection Date: 22-AUG-2018 15:57

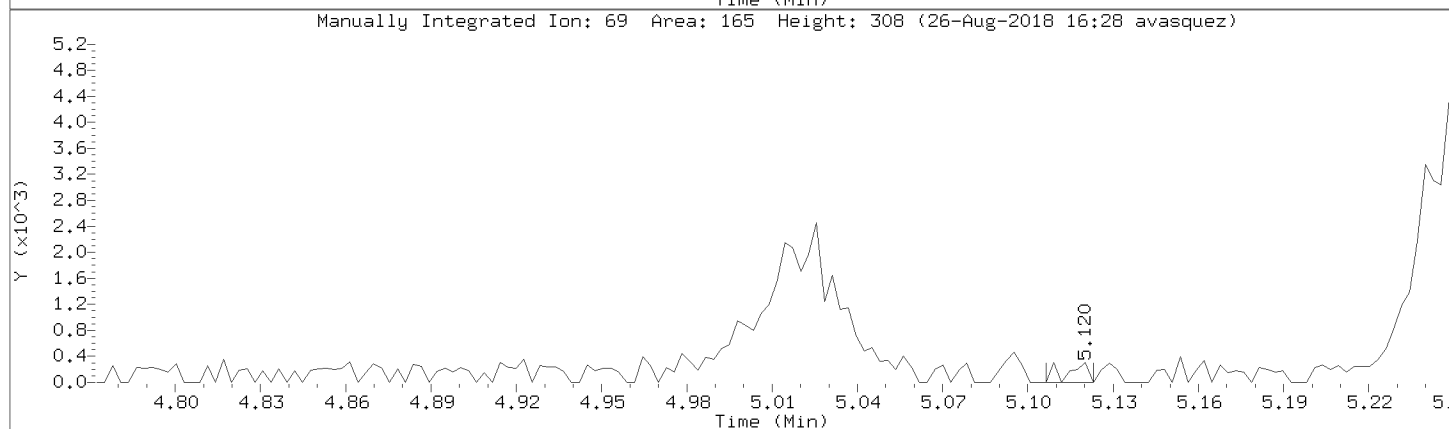
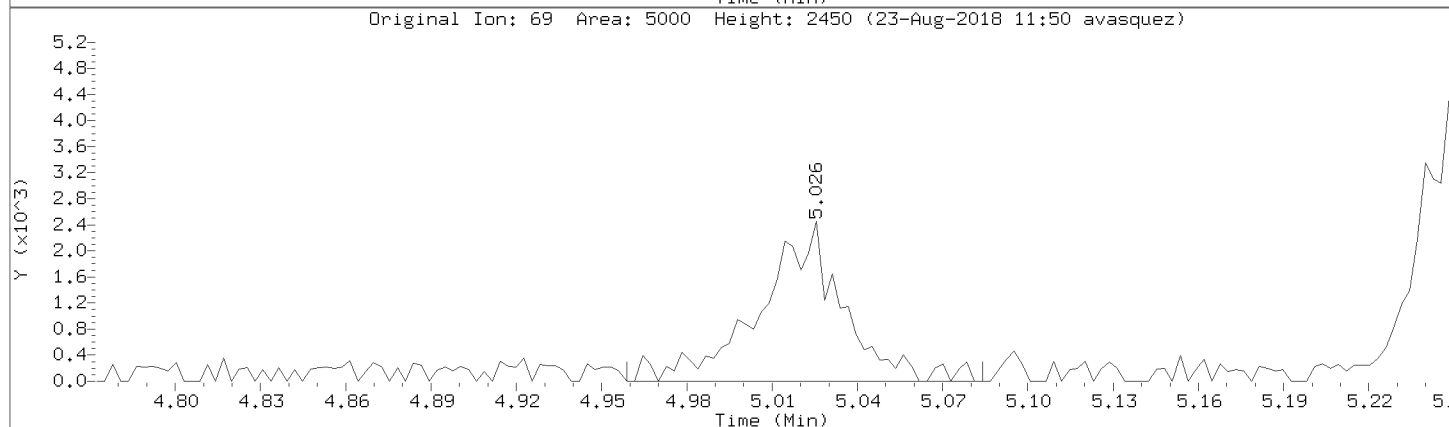
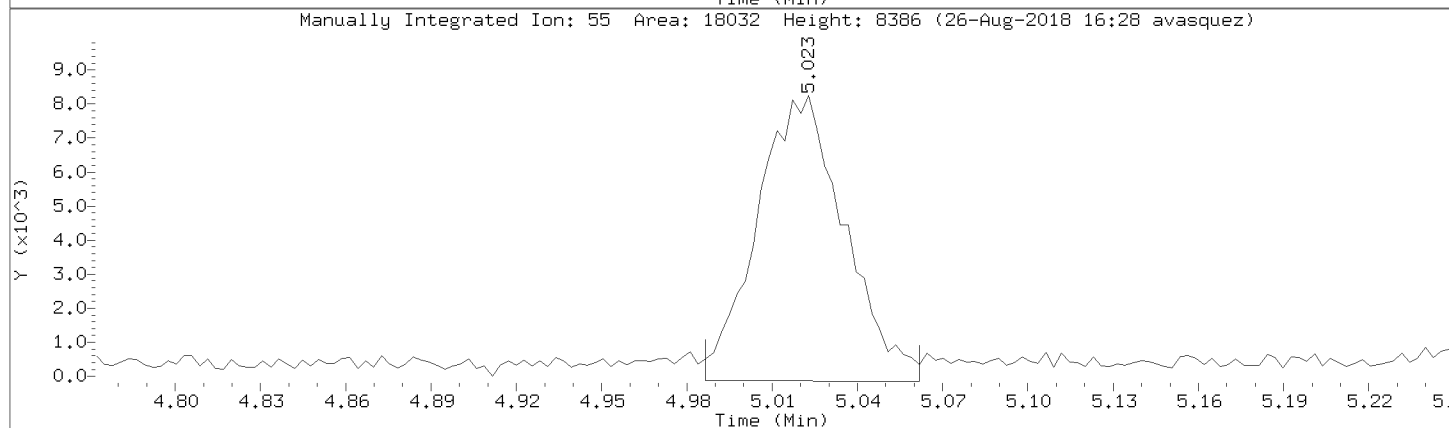
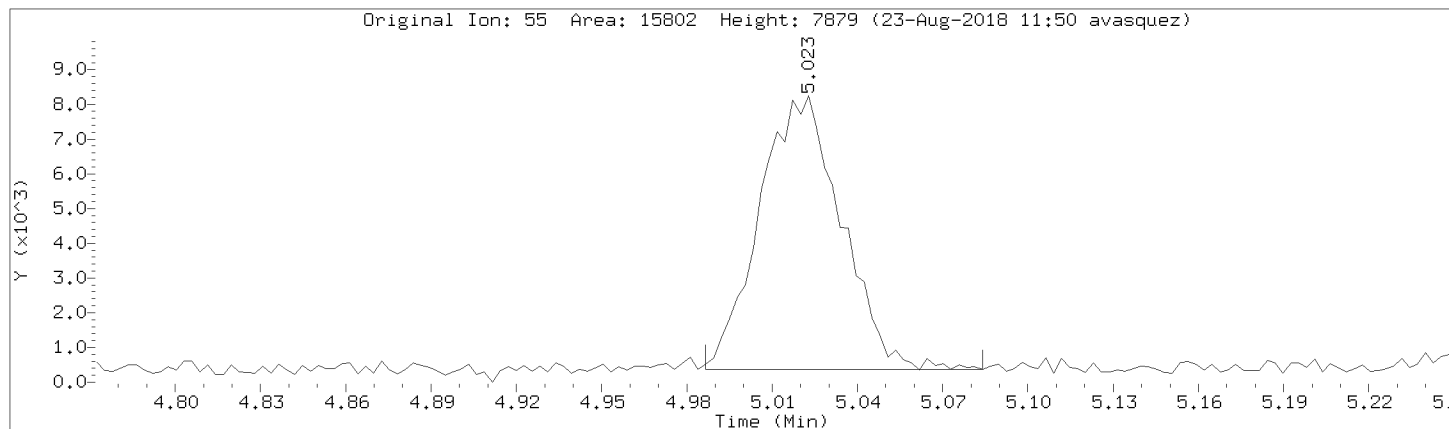
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: Methylcyclohexane

Review Code: NI

CAS Number: 108-87-2

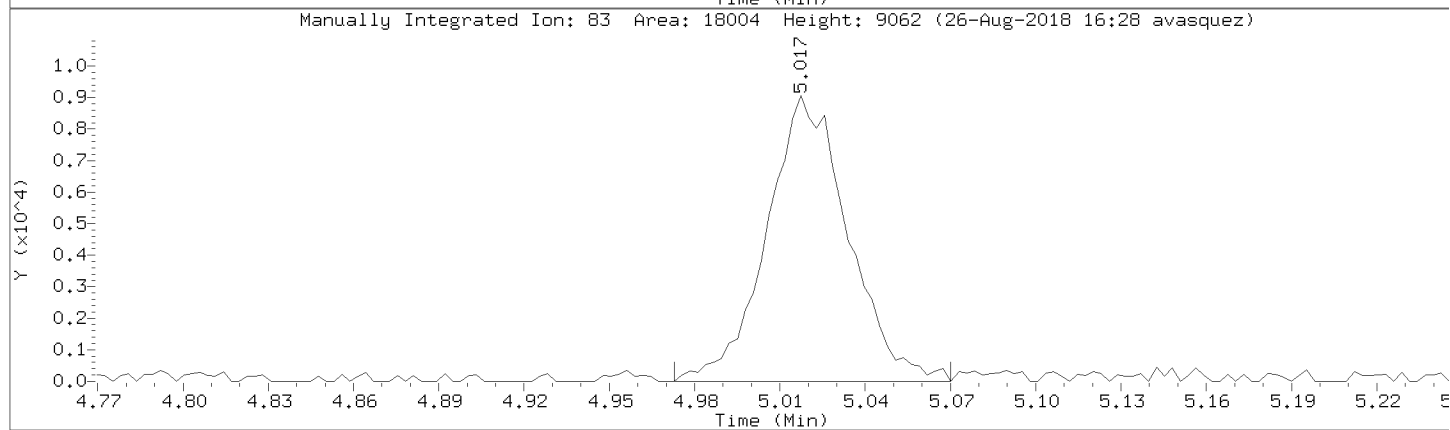
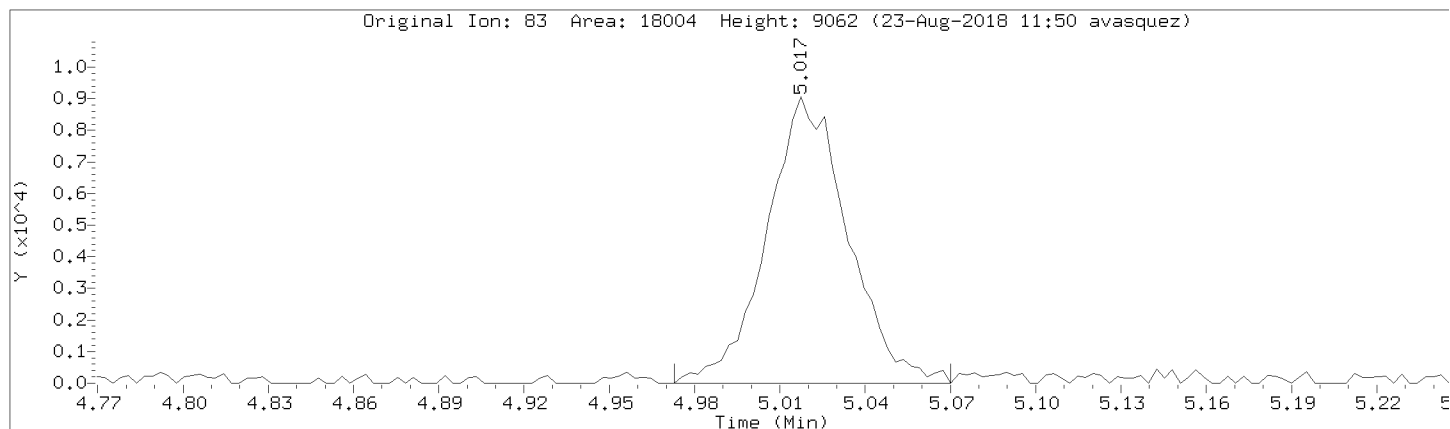


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Injection Date: 22-AUG-2018 15:57

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4



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Injection Date: 22-AUG-2018 15:57

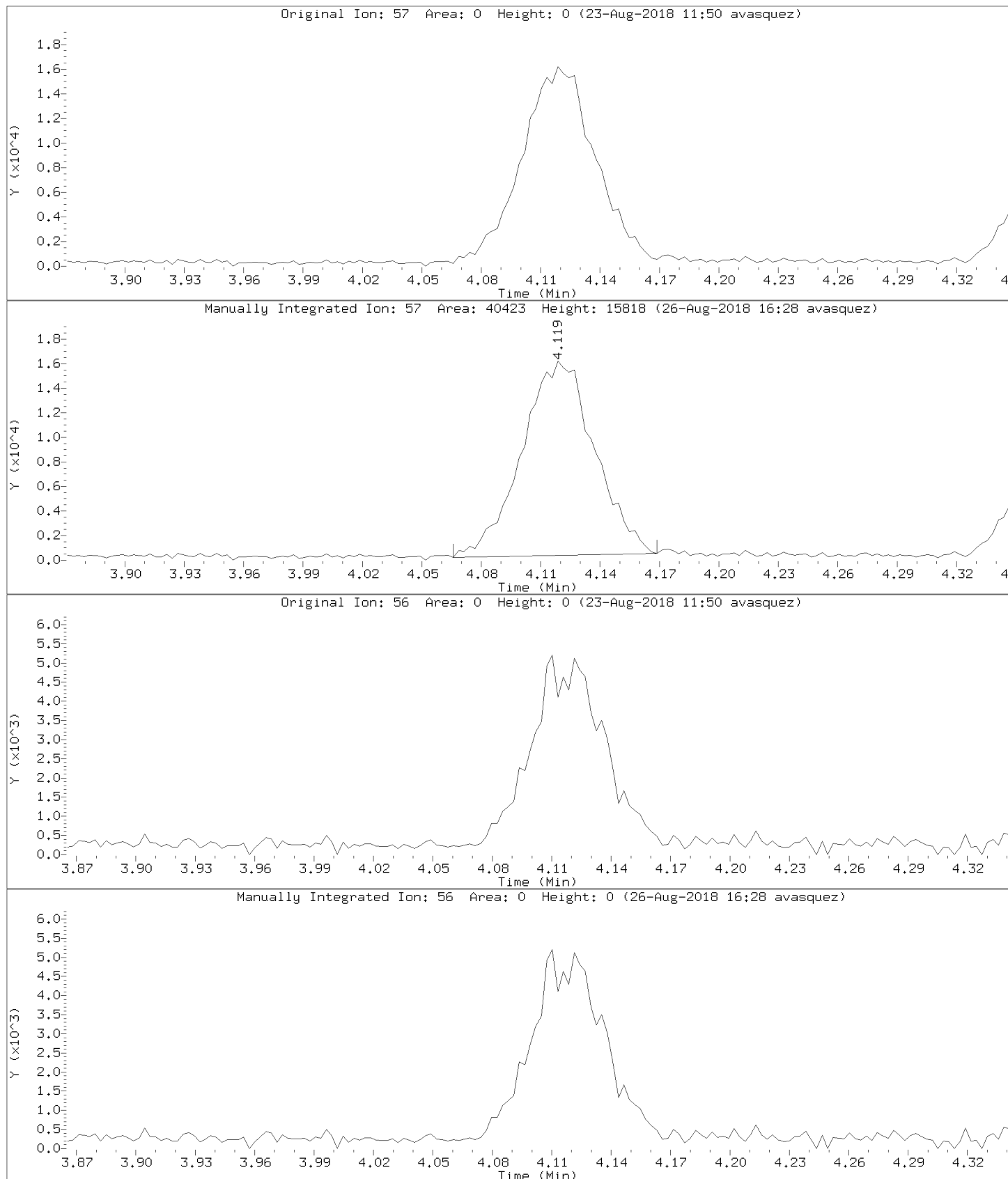
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: 2,2,4-Trimethylpentane

Review Code: NI

CAS Number: 540-84-1



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Injection Date: 22-AUG-2018 15:57

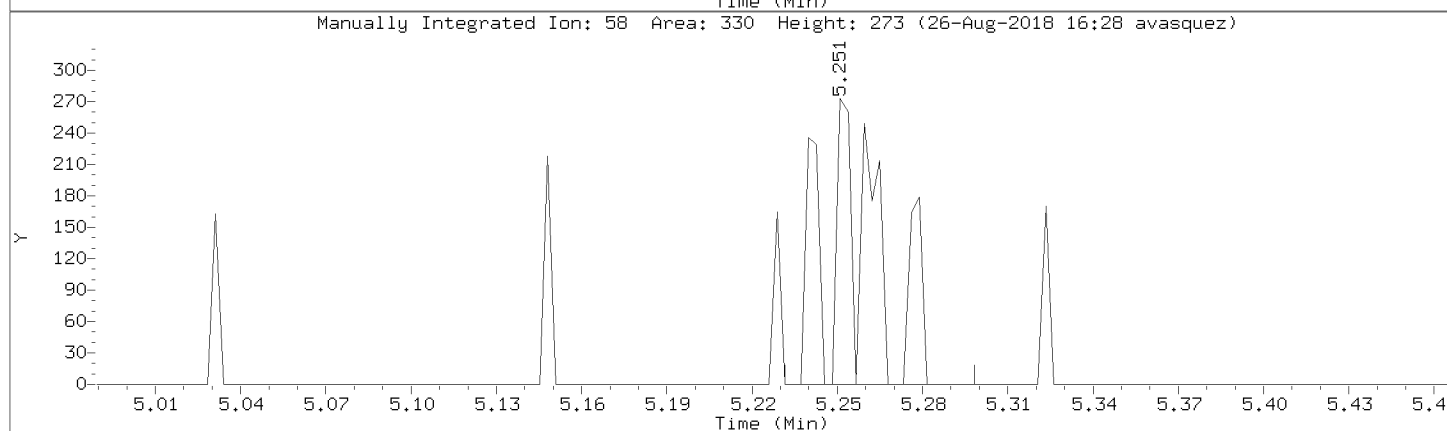
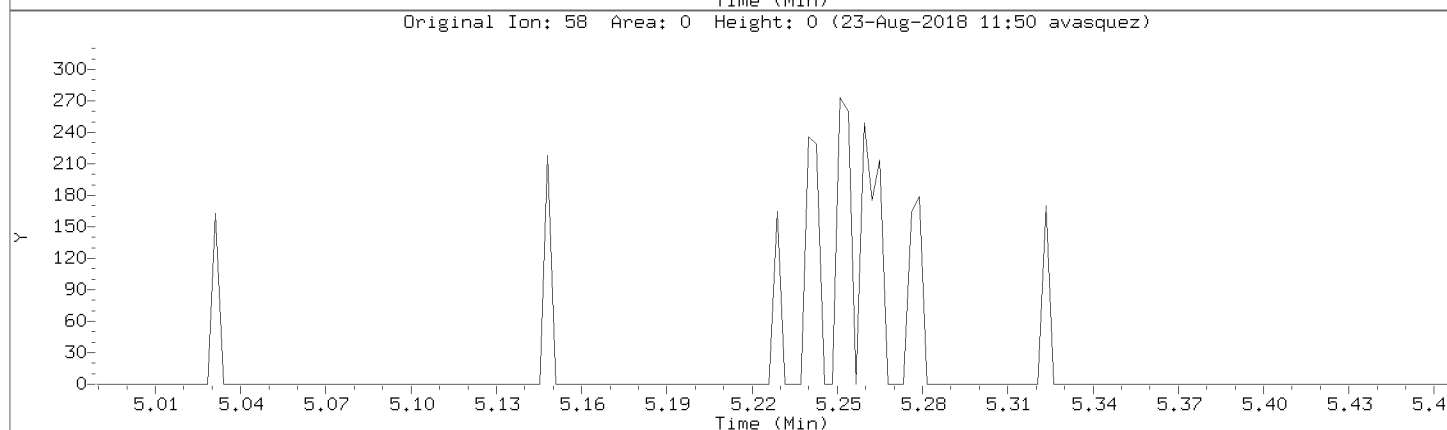
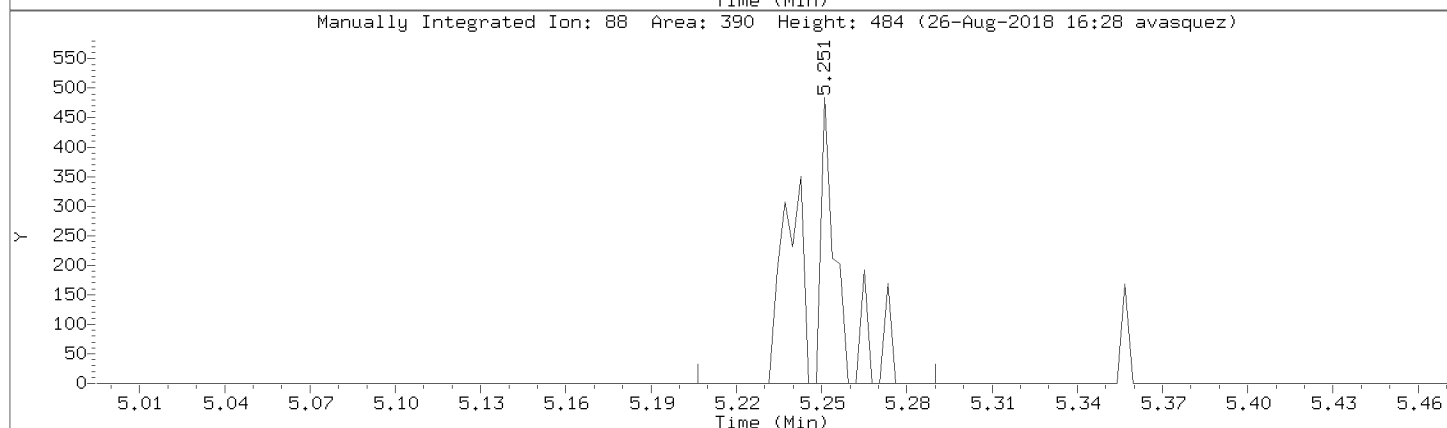
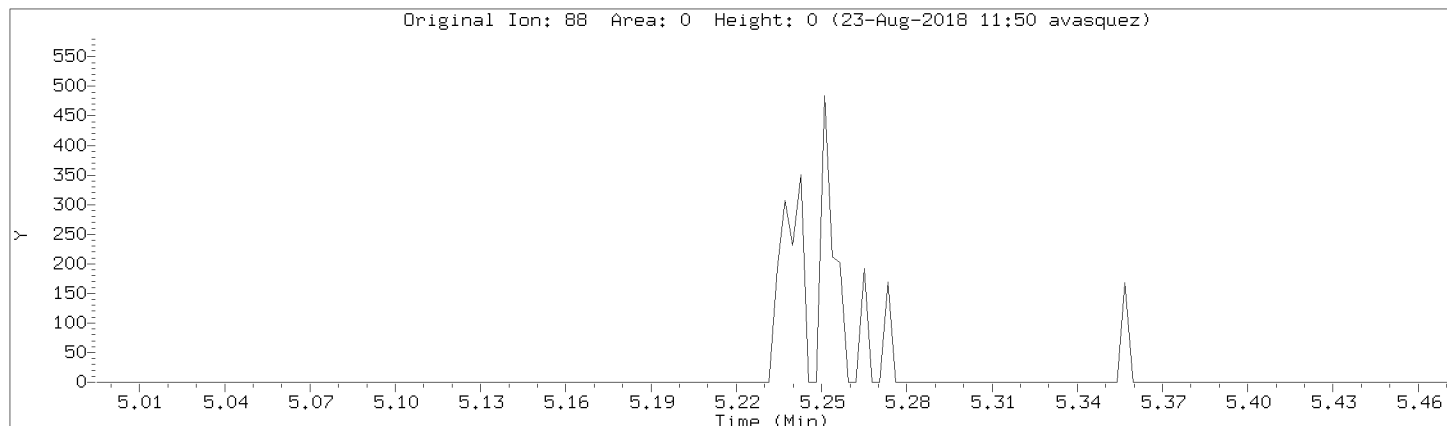
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: 1,4-Dioxane

Review Code: NI

CAS Number:



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\05cal.d

Injection Date: 22-AUG-2018 15:57

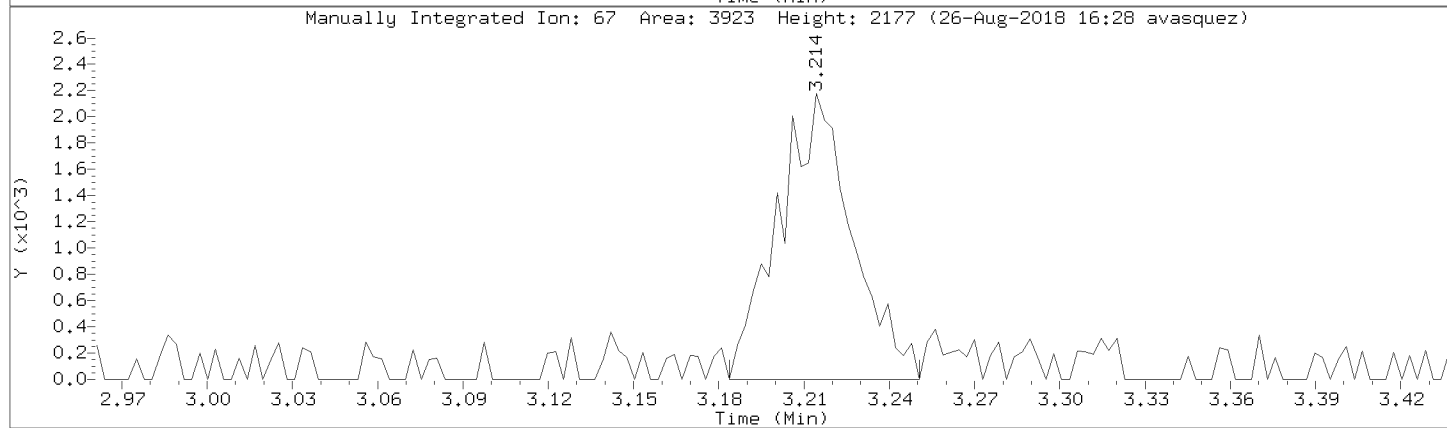
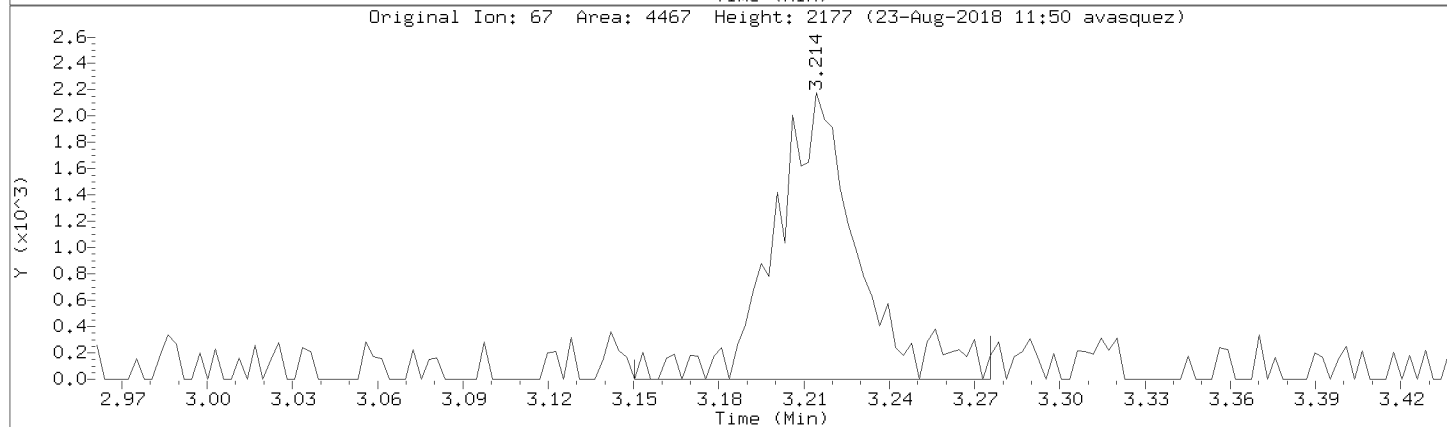
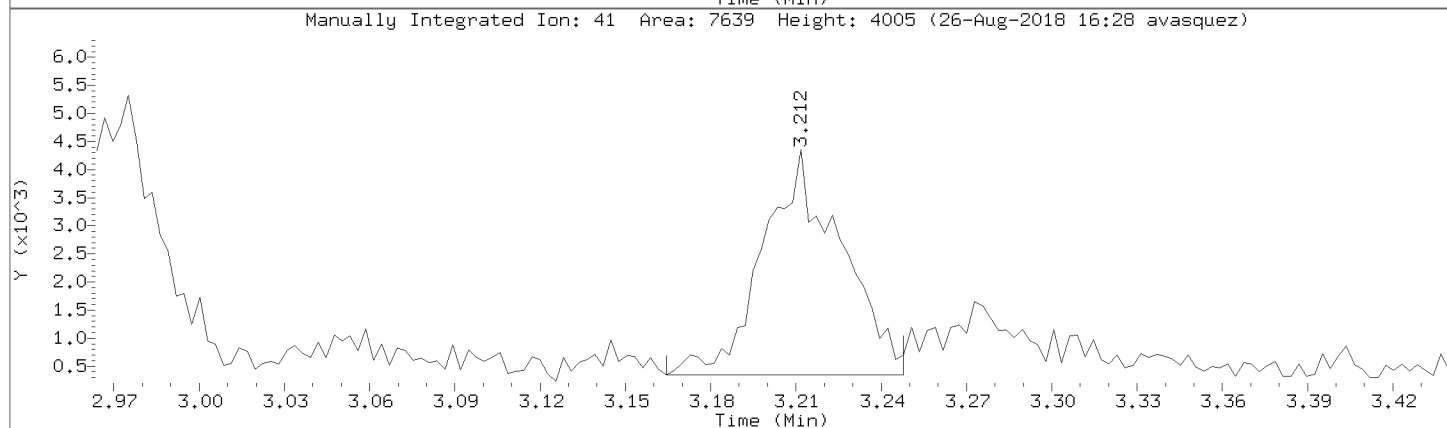
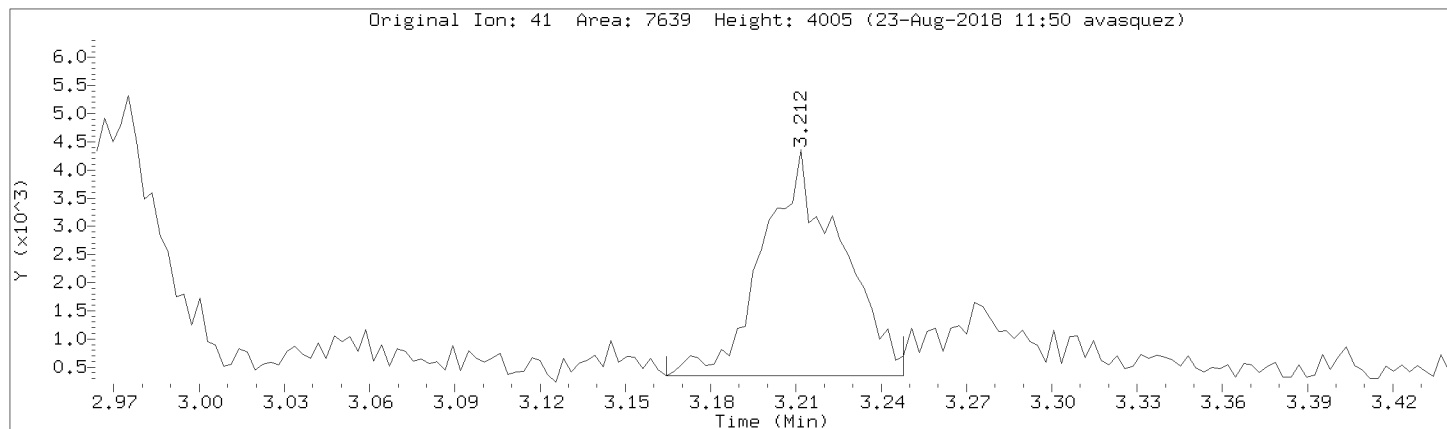
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: Methacrylonitrile

Review Code: NI

CAS Number: 126-98-7

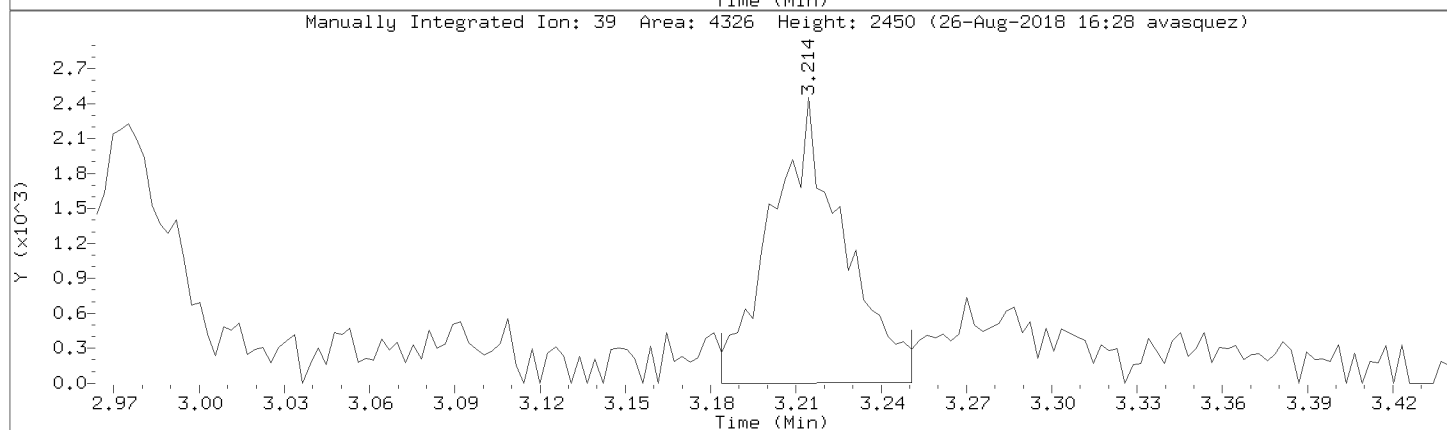
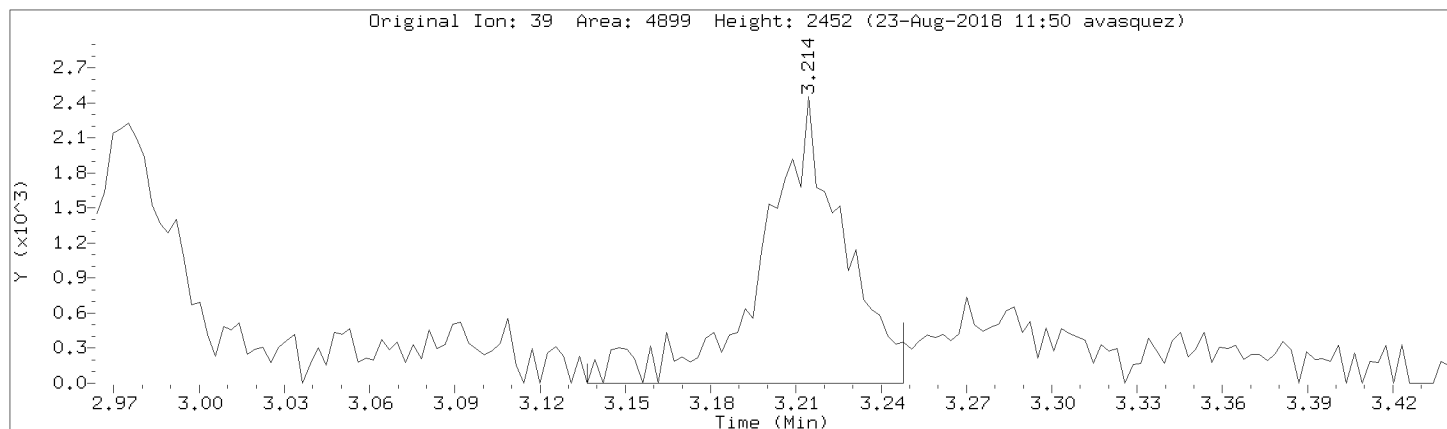


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Injection Date: 22-AUG-2018 15:57

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4



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Injection Date: 22-AUG-2018 15:57

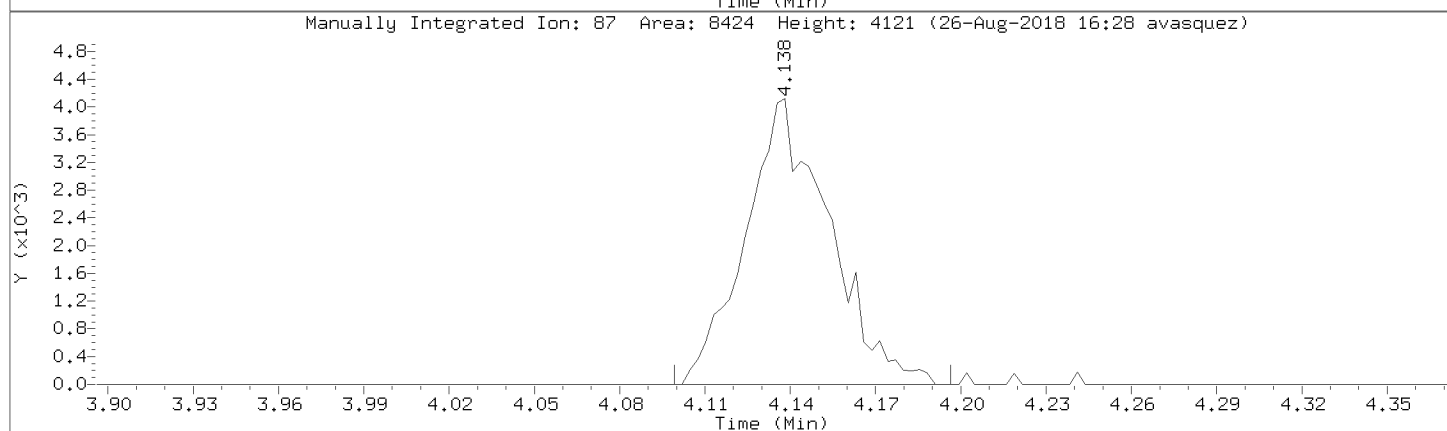
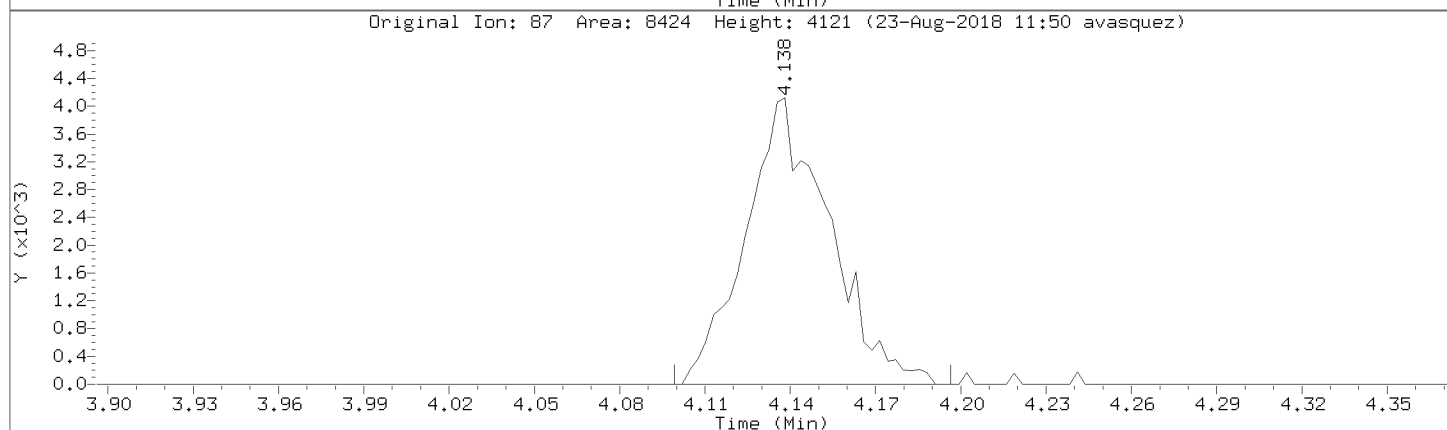
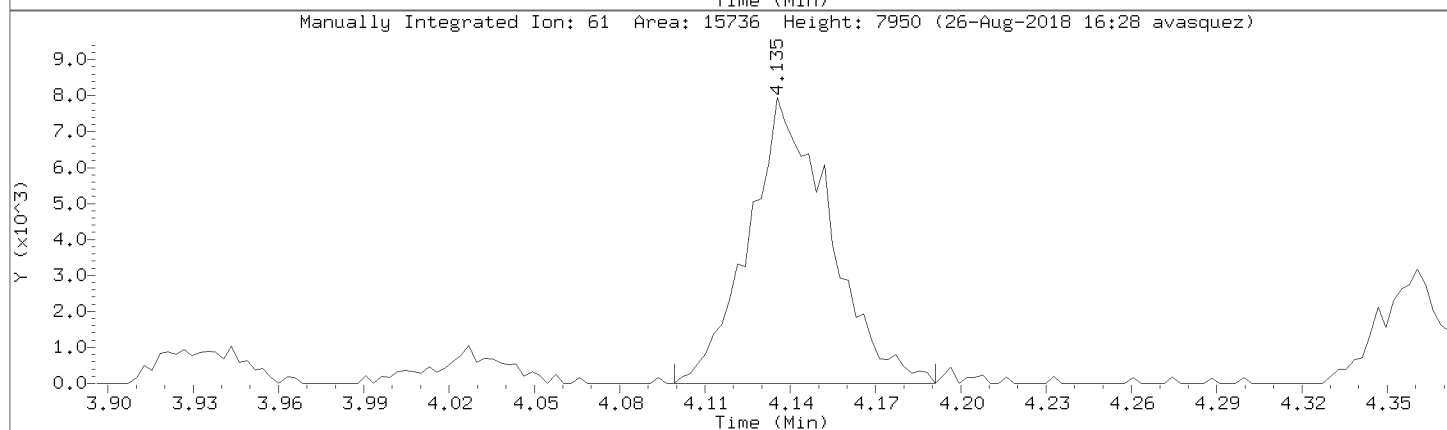
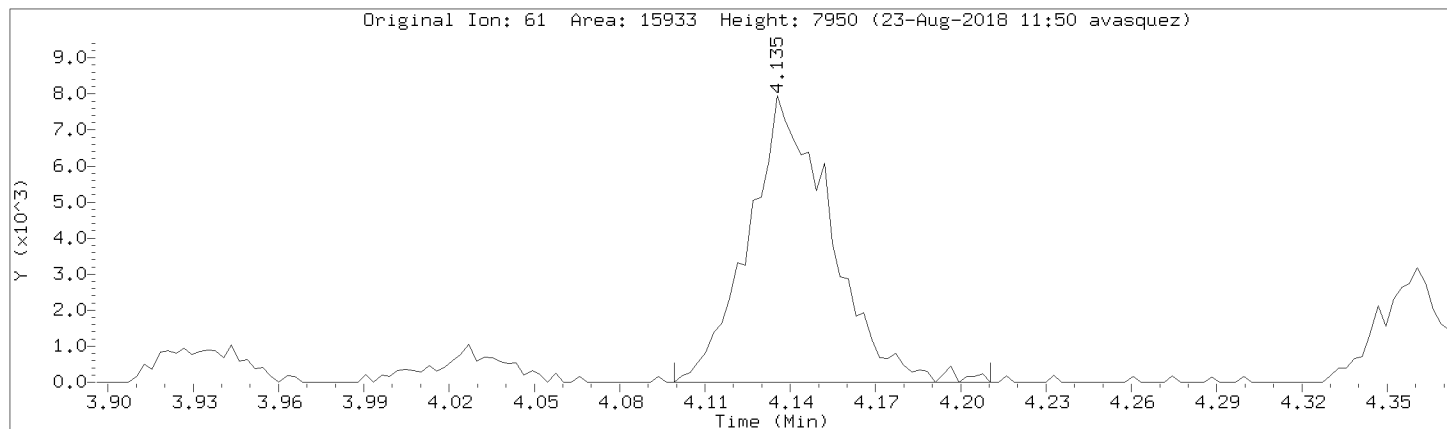
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: isopropyl acetate

Review Code: GT

CAS Number: 108-21-4

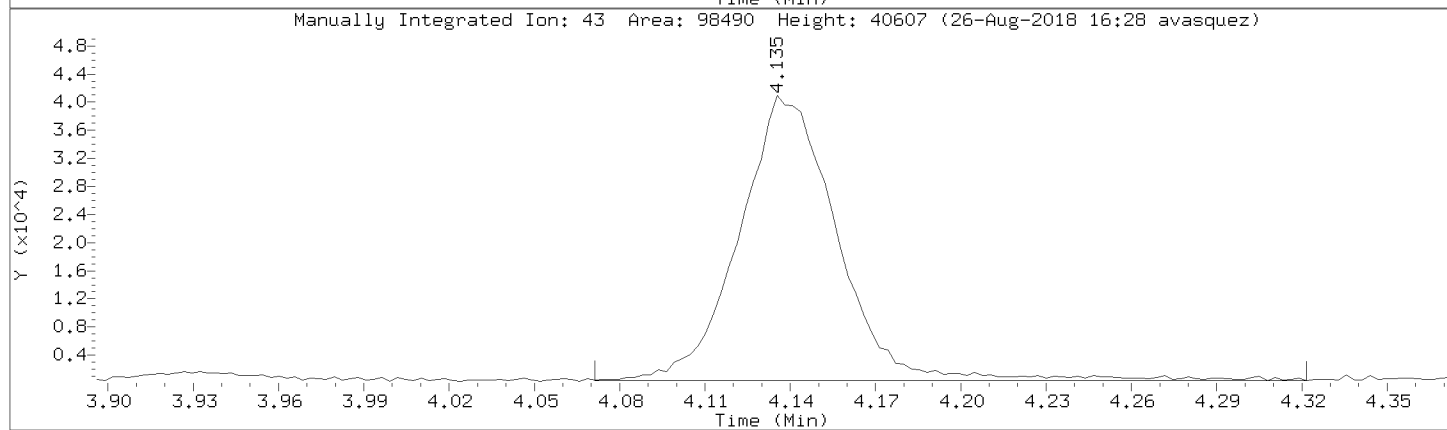
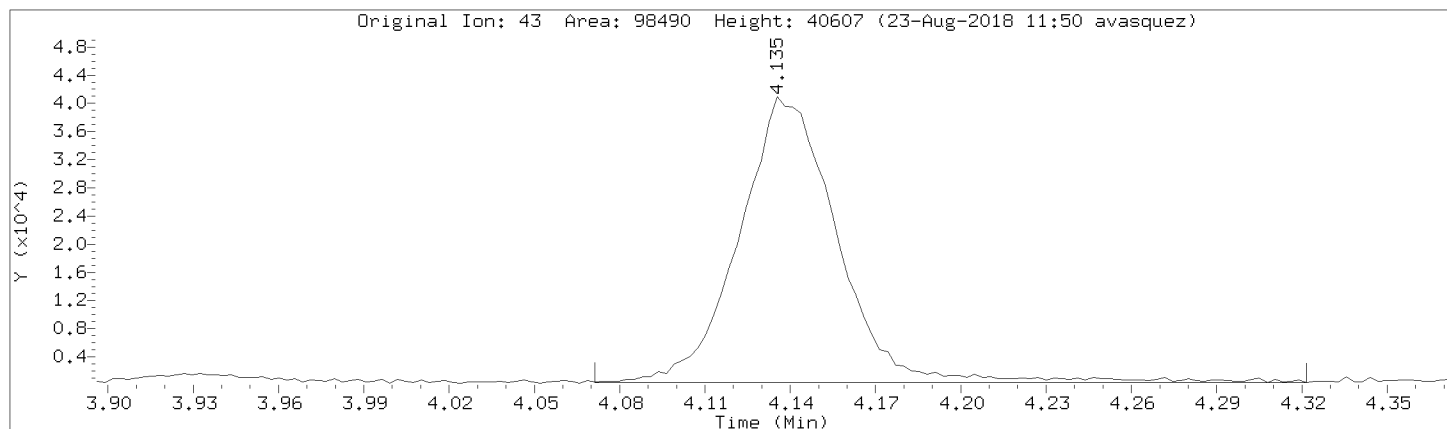


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Injection Date: 22-AUG-2018 15:57

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4



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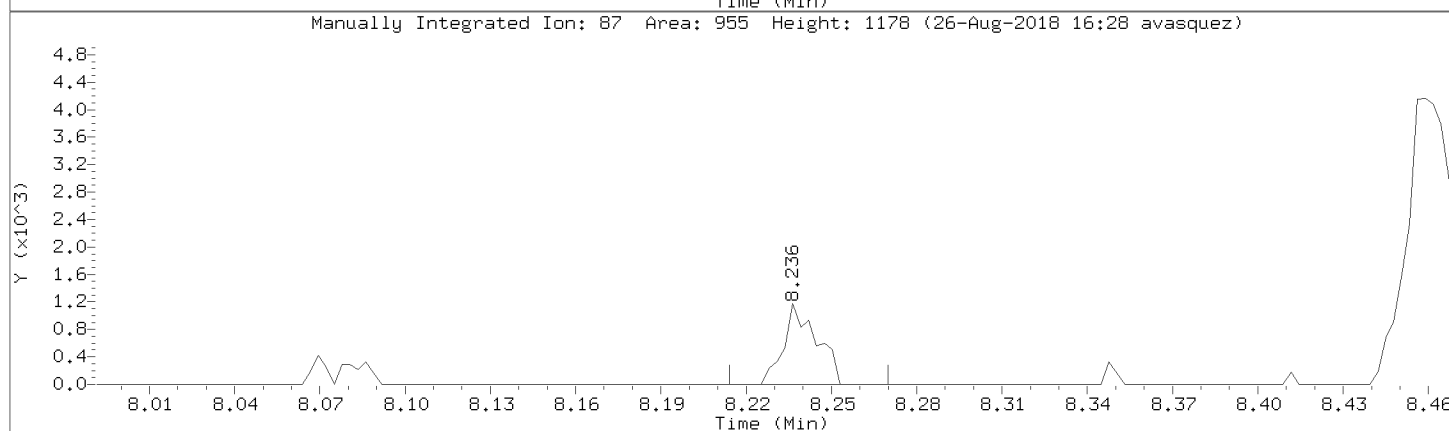
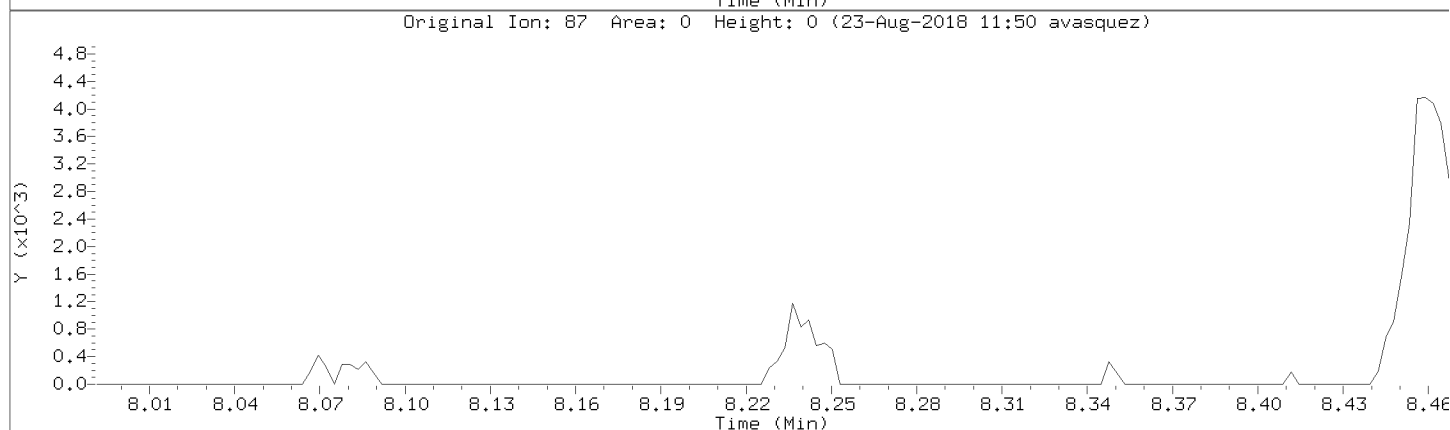
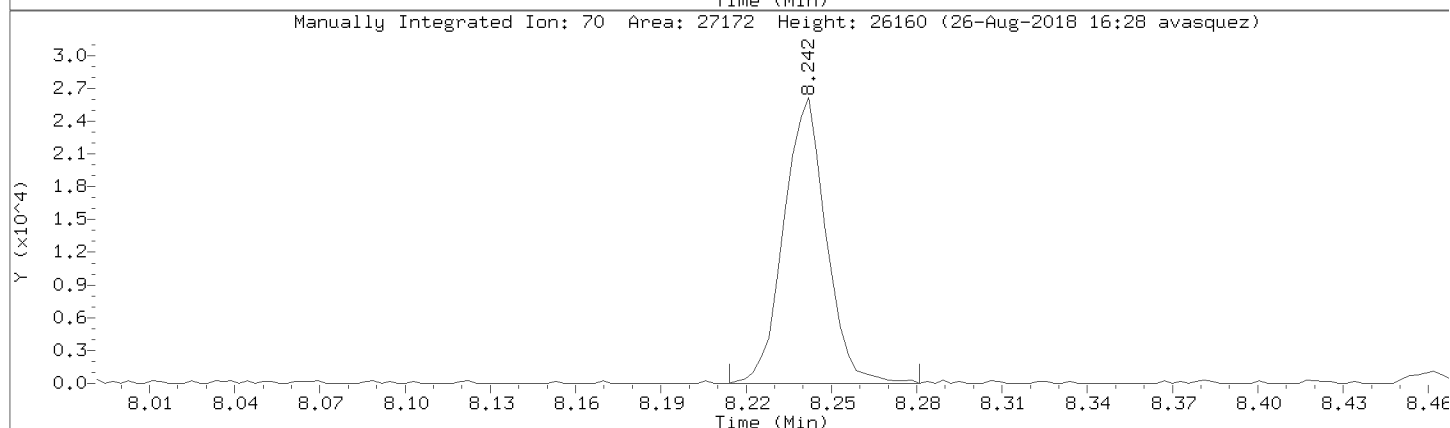
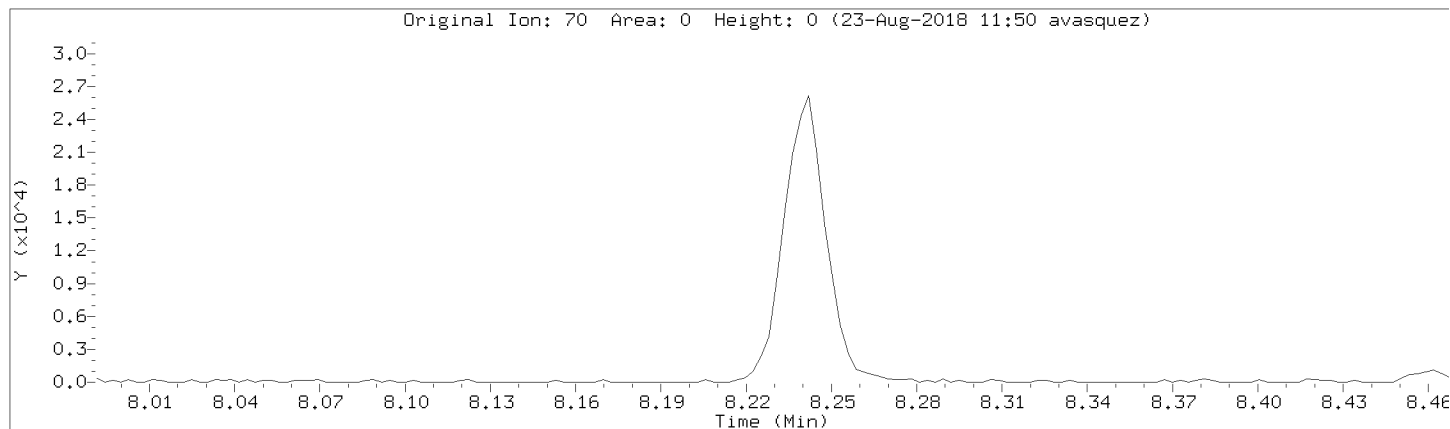
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL4

Compound: n-amyl acetate

Review Code: NI

CAS Number: 628-63-7

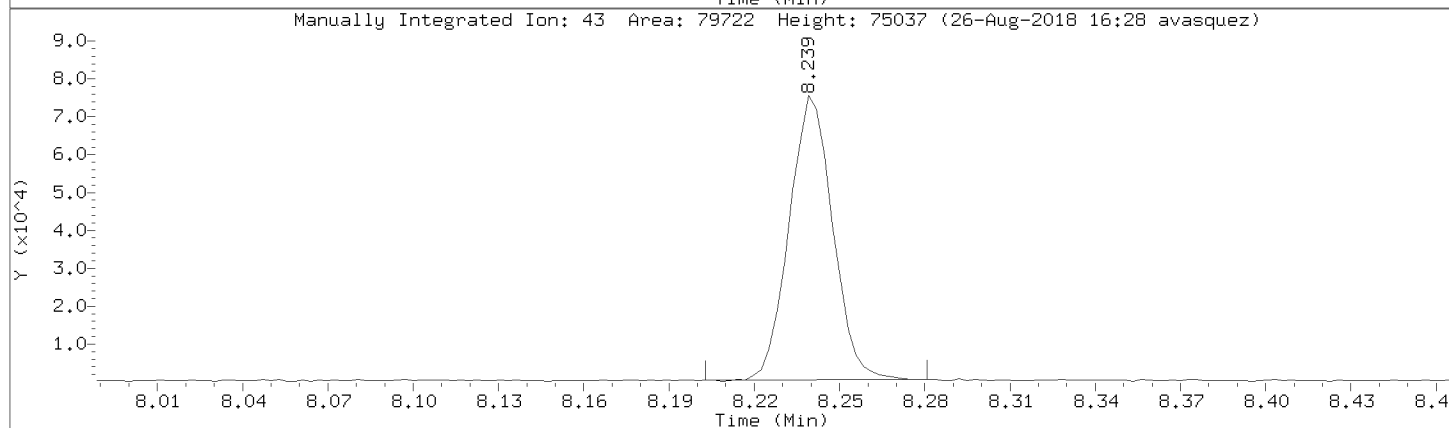
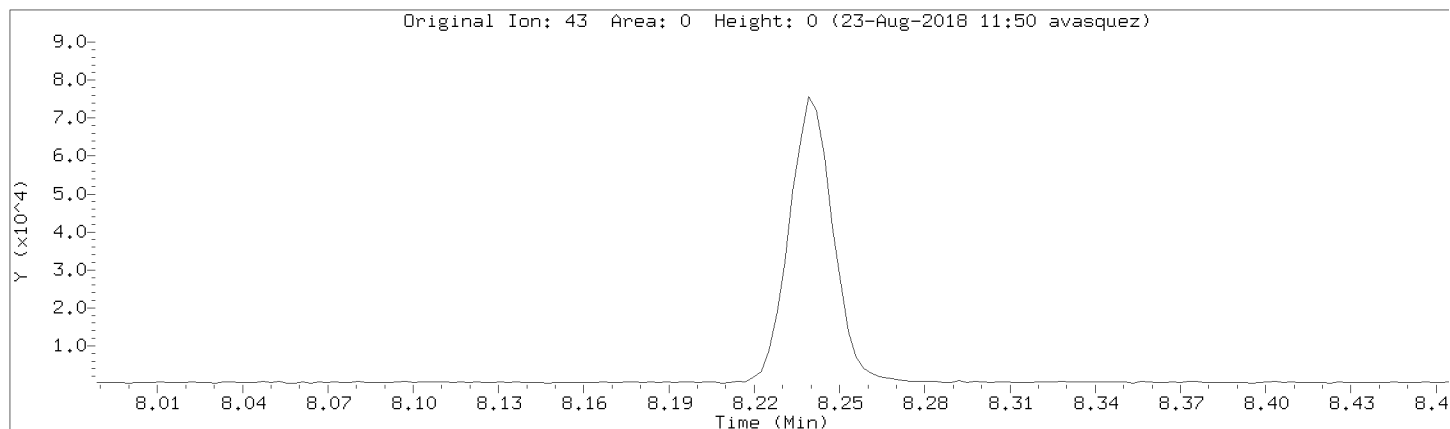


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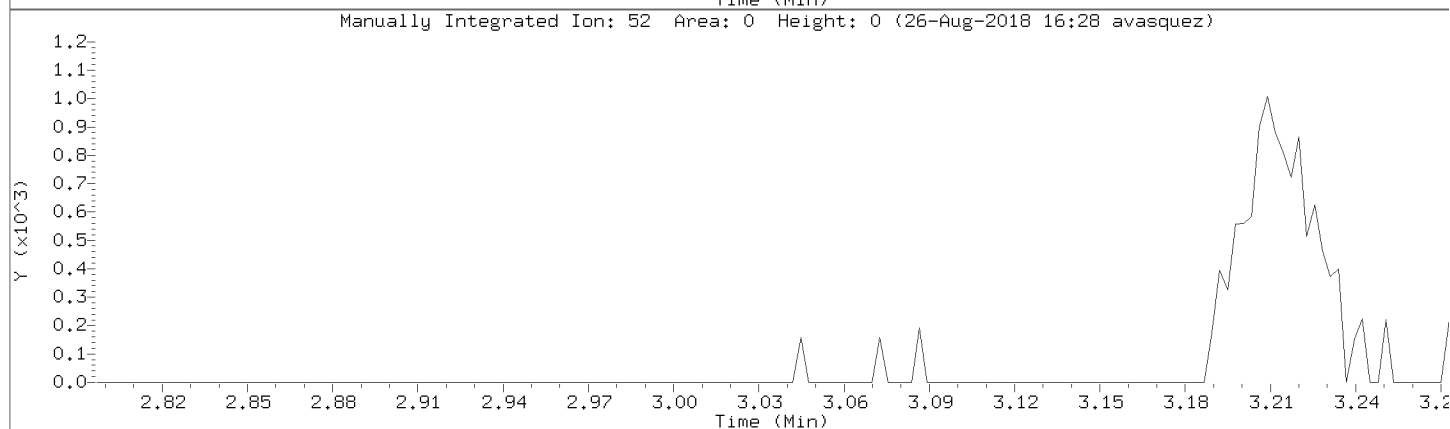
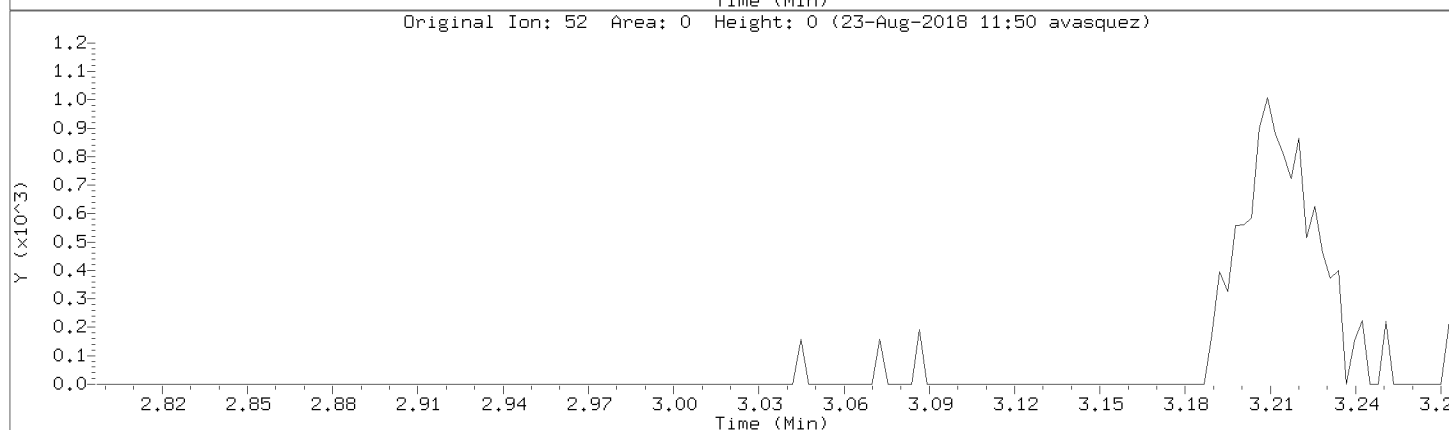
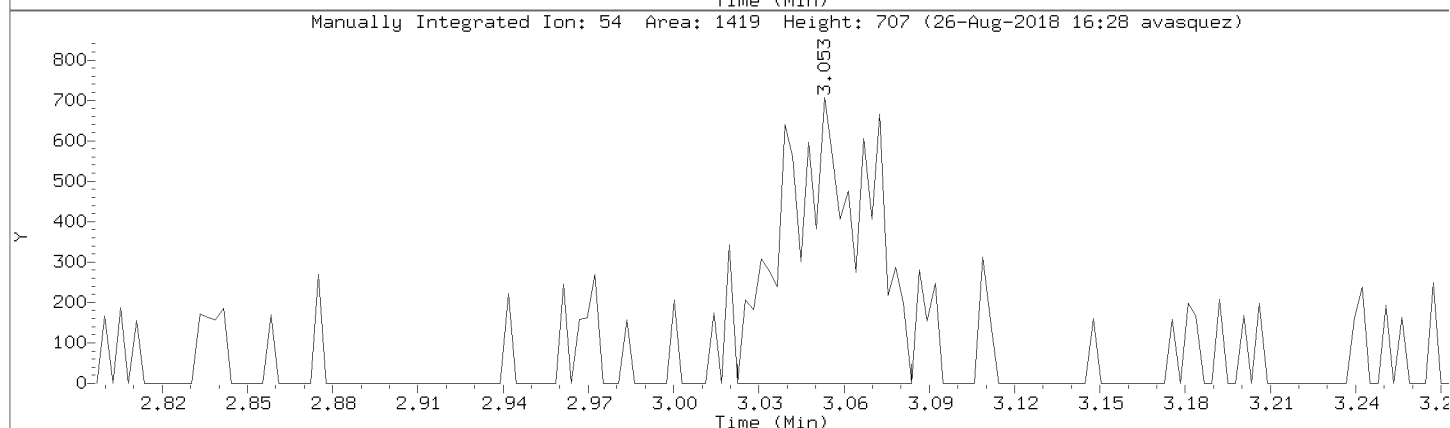
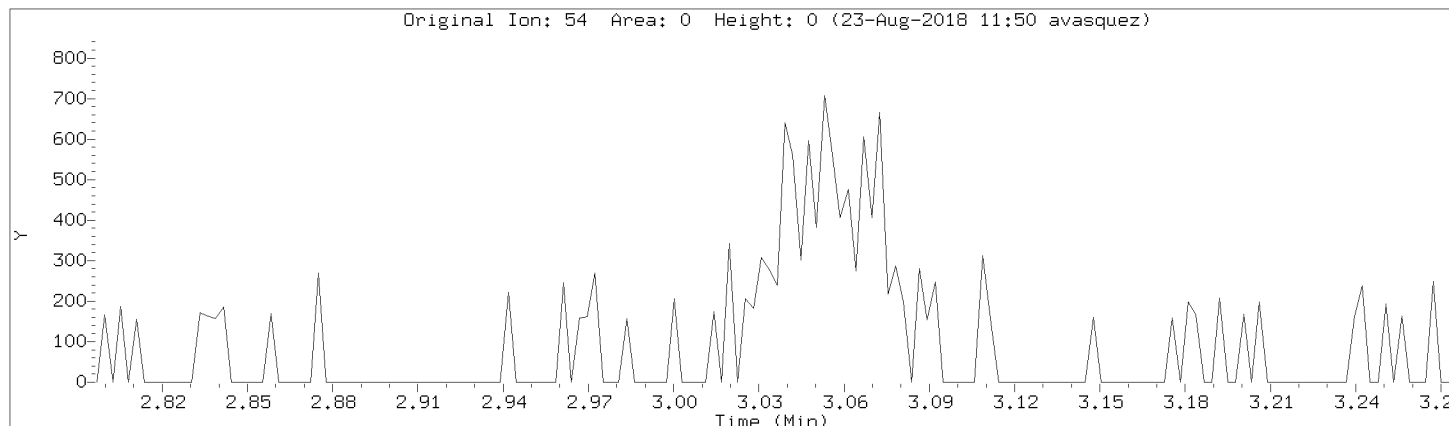
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Lab Sample ID: 8260-CAL4

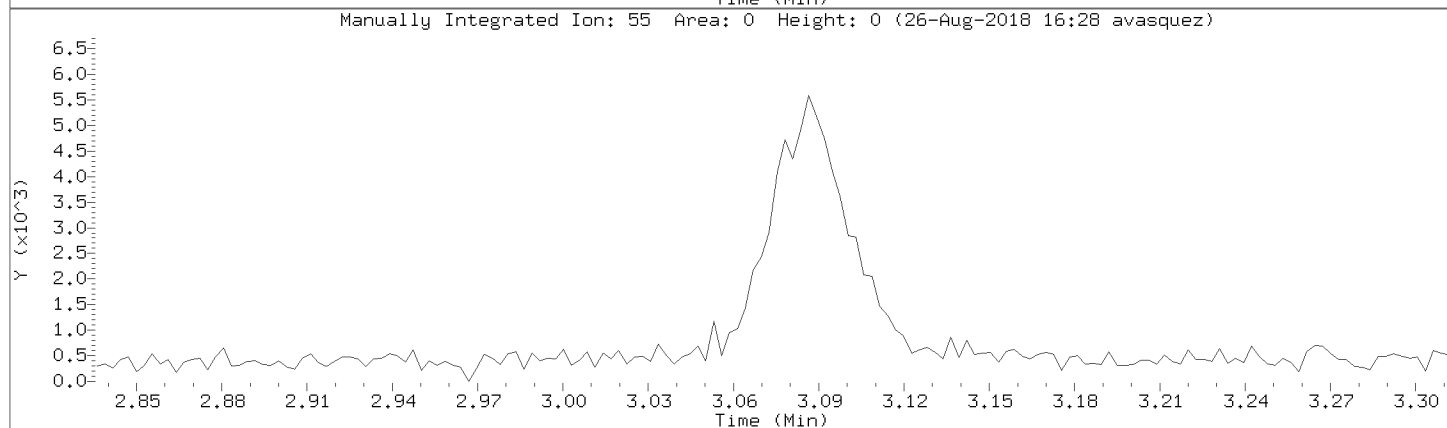
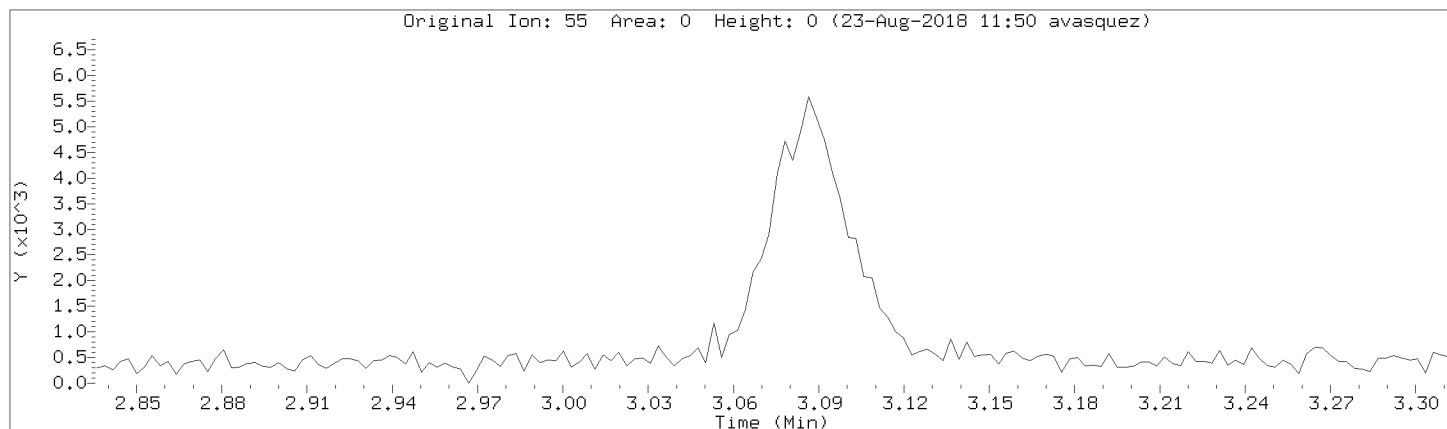


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Injection Date: 22-AUG-2018 15:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4

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

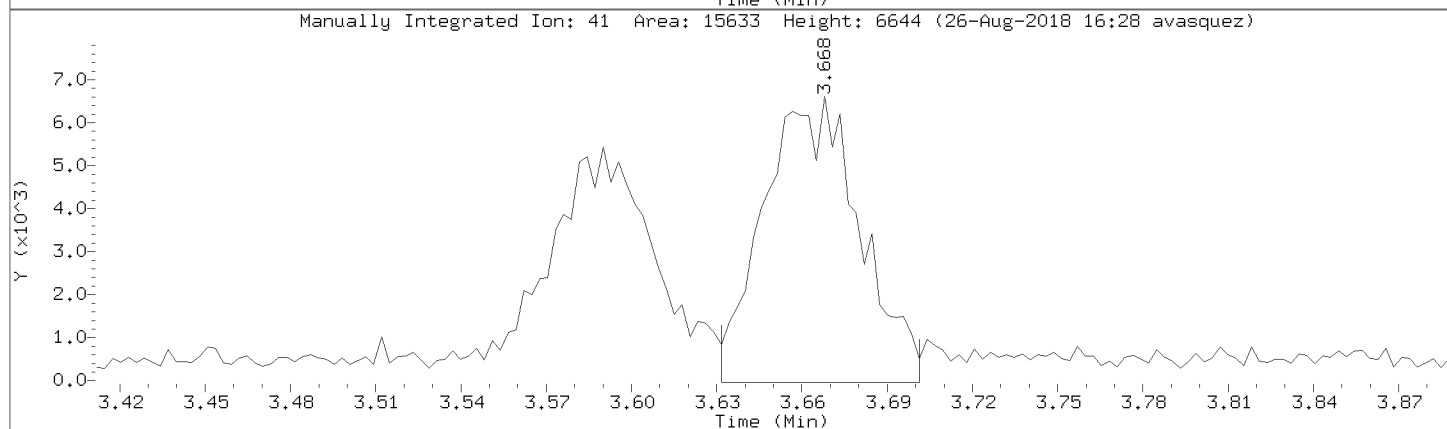
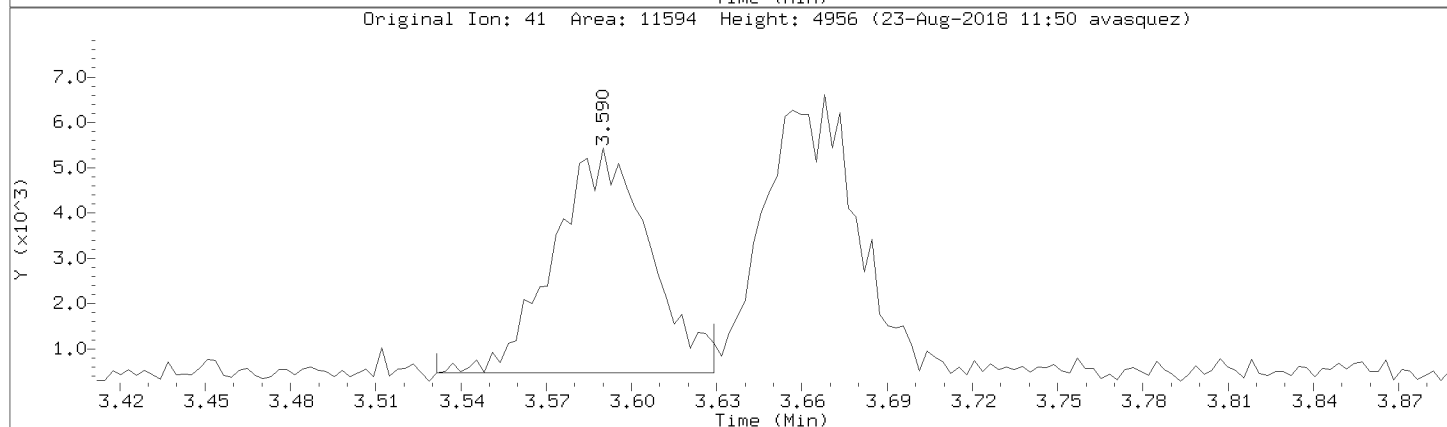
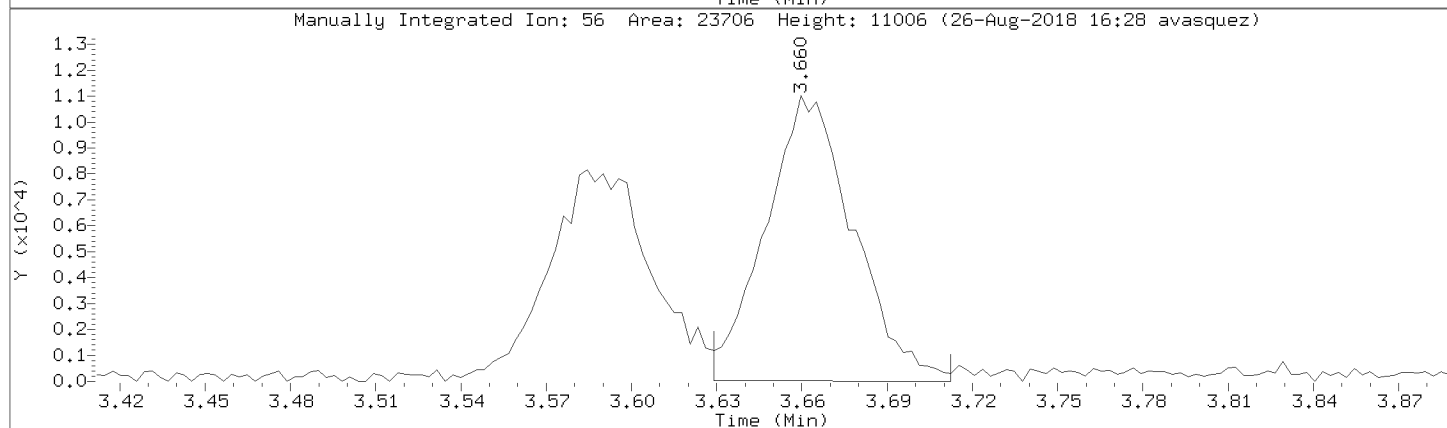
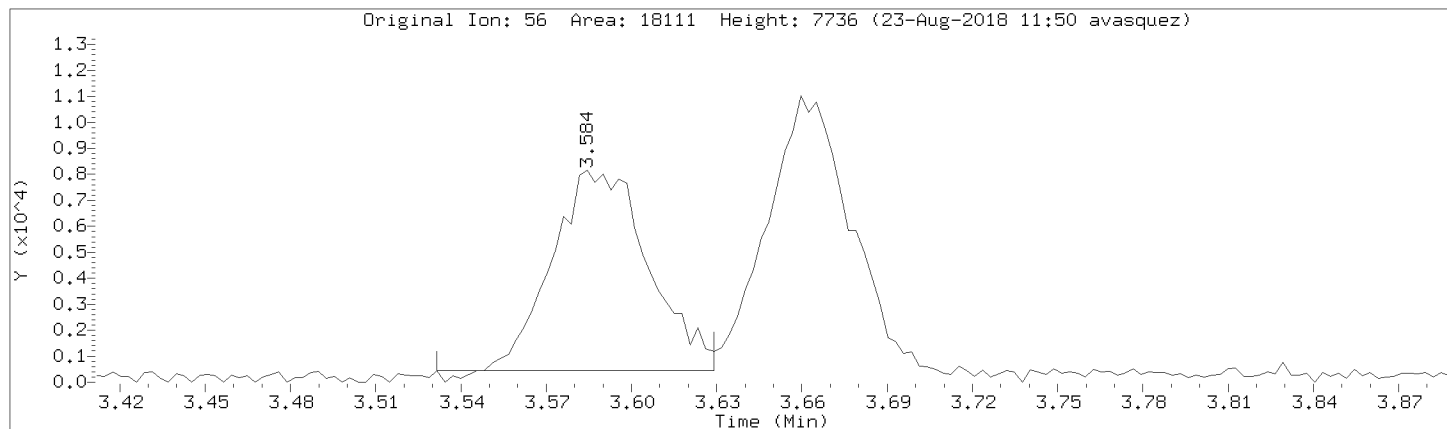
Instrument: 50mv2a.i

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	AMOUNTS					REVIEW C	
			MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (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

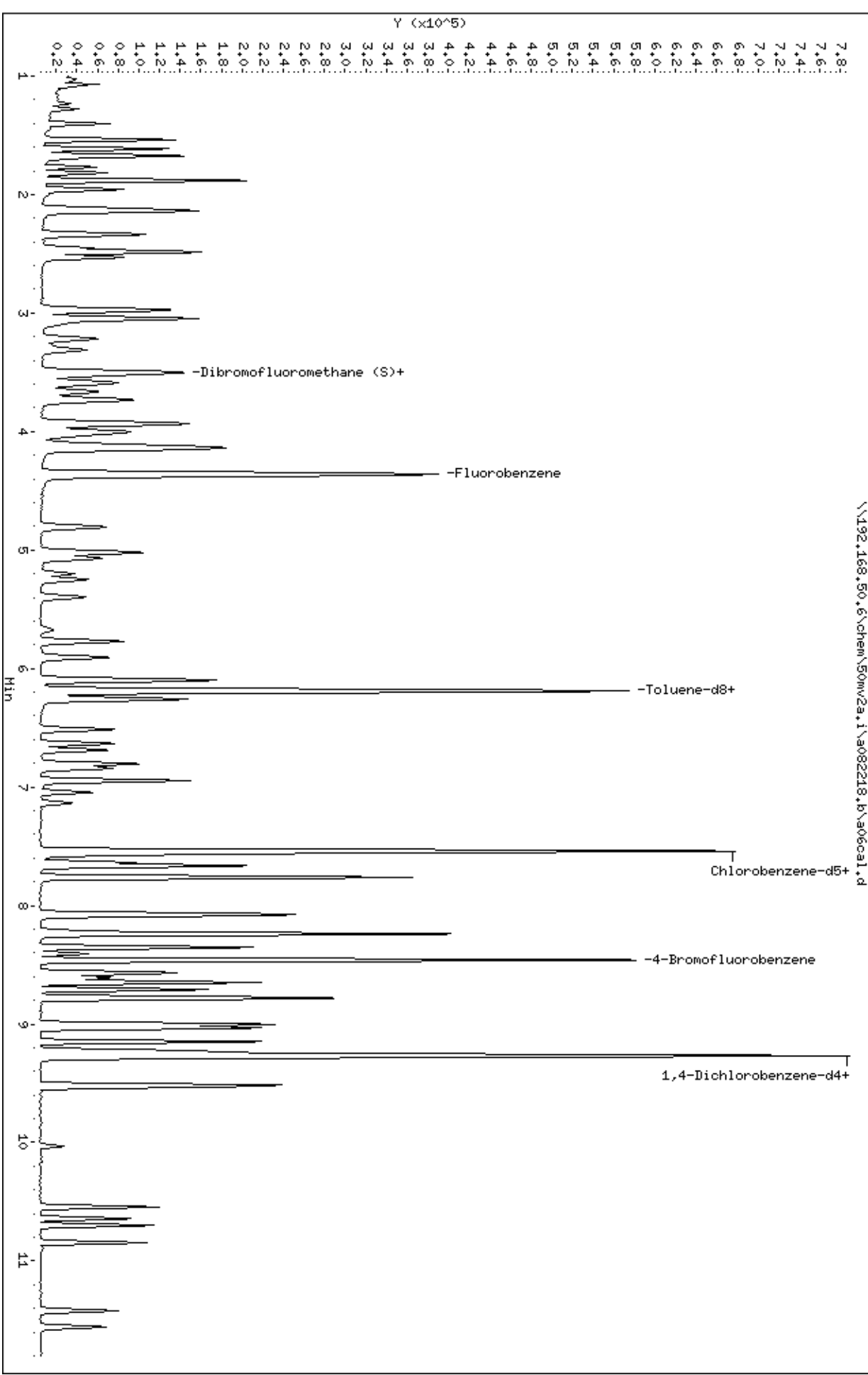
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

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

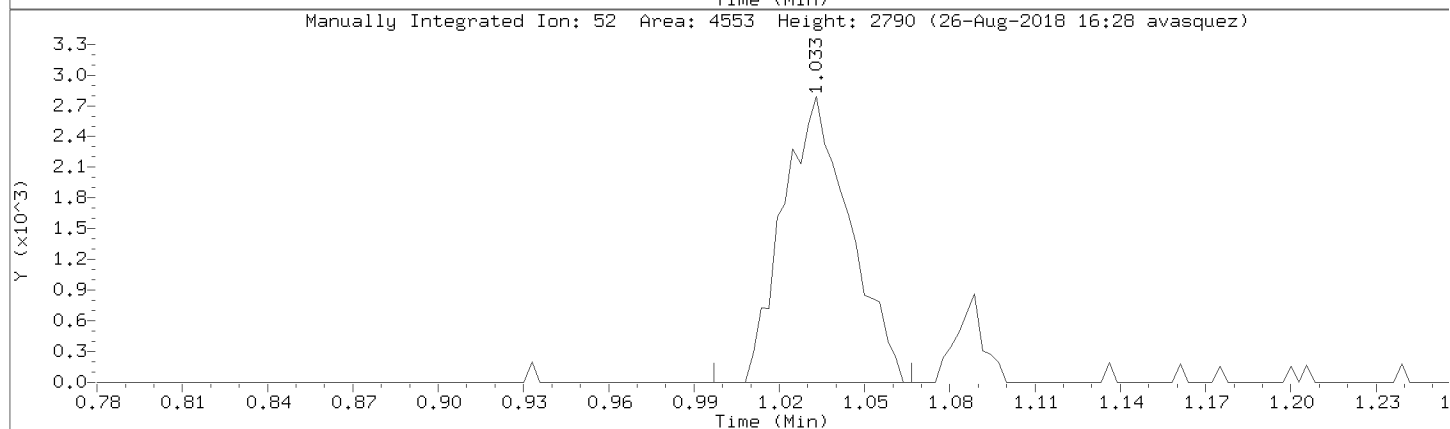
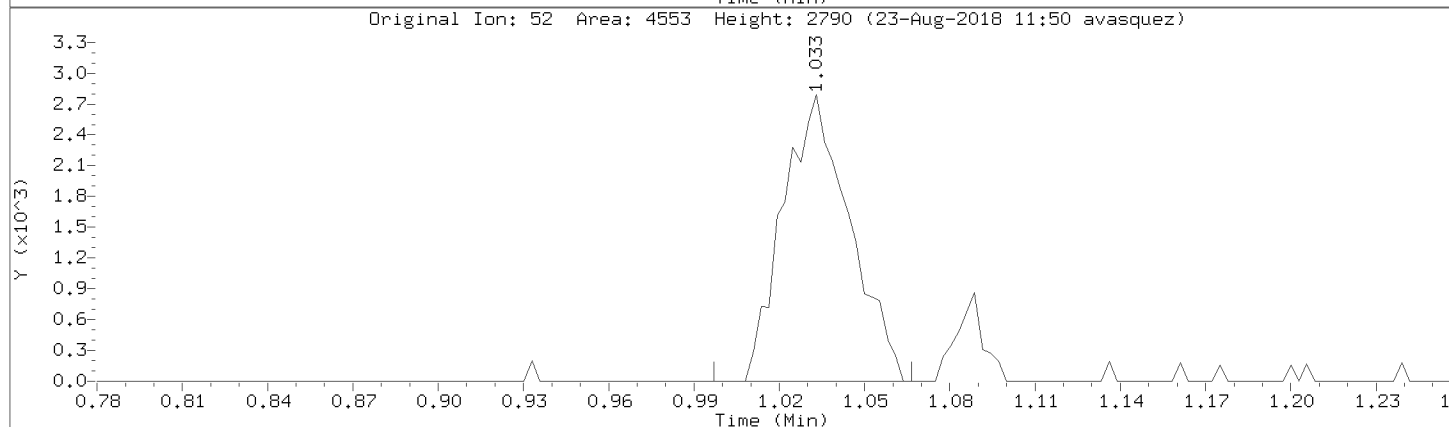
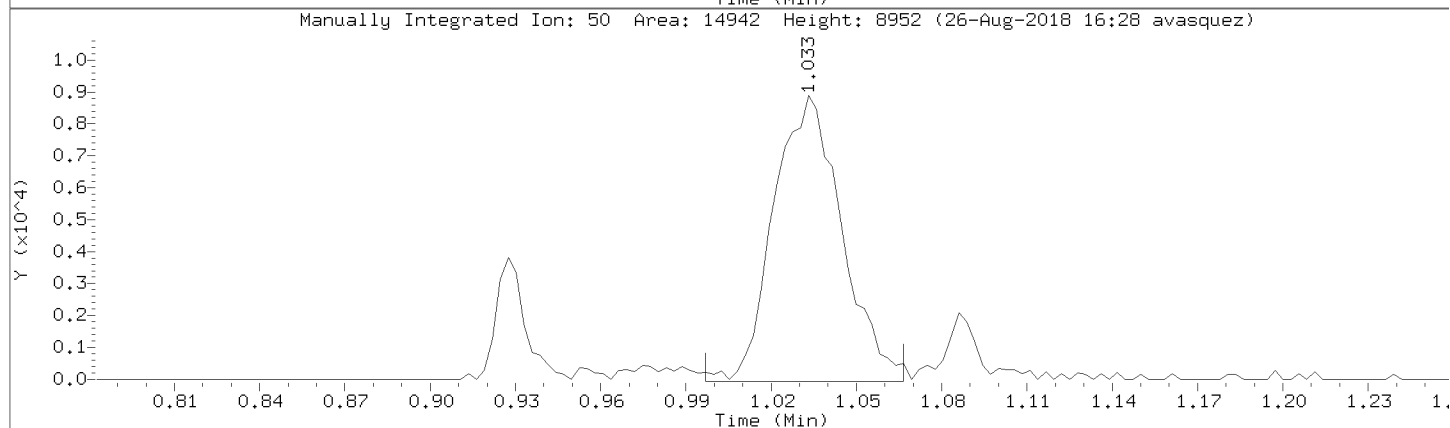
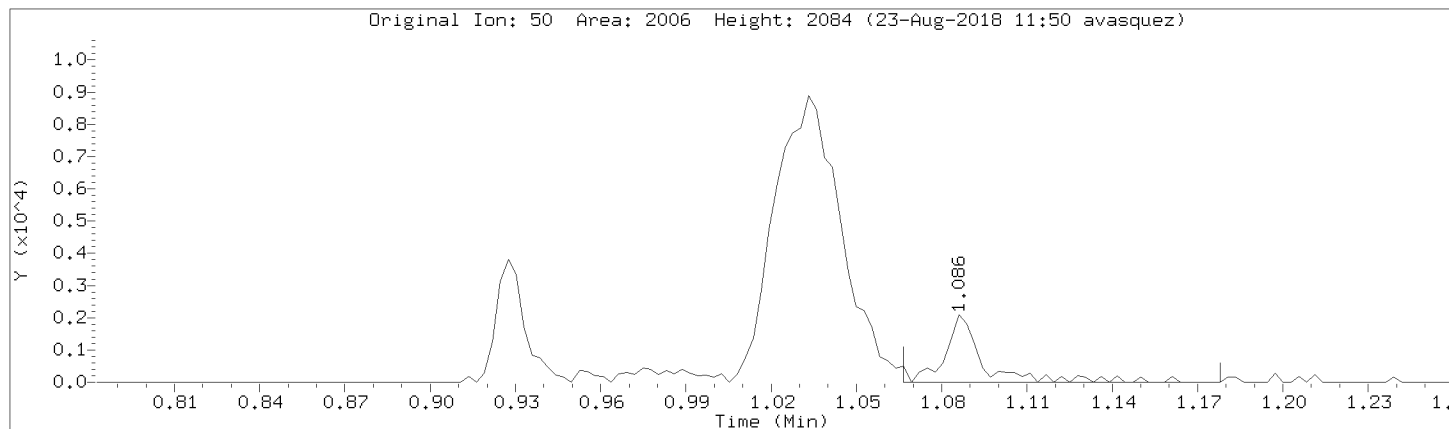
Instrument: 50mv2a.i

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

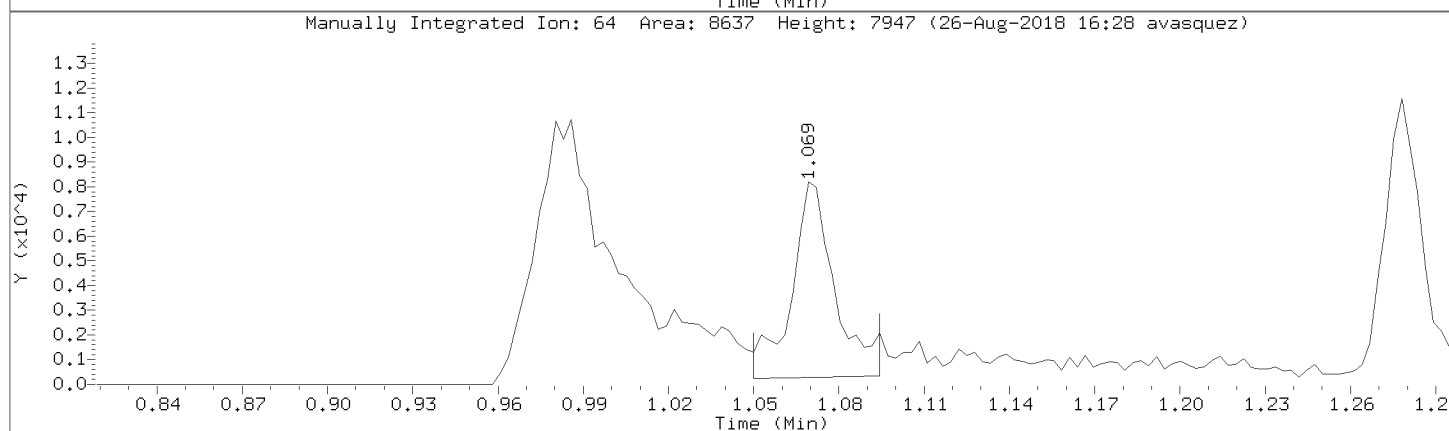
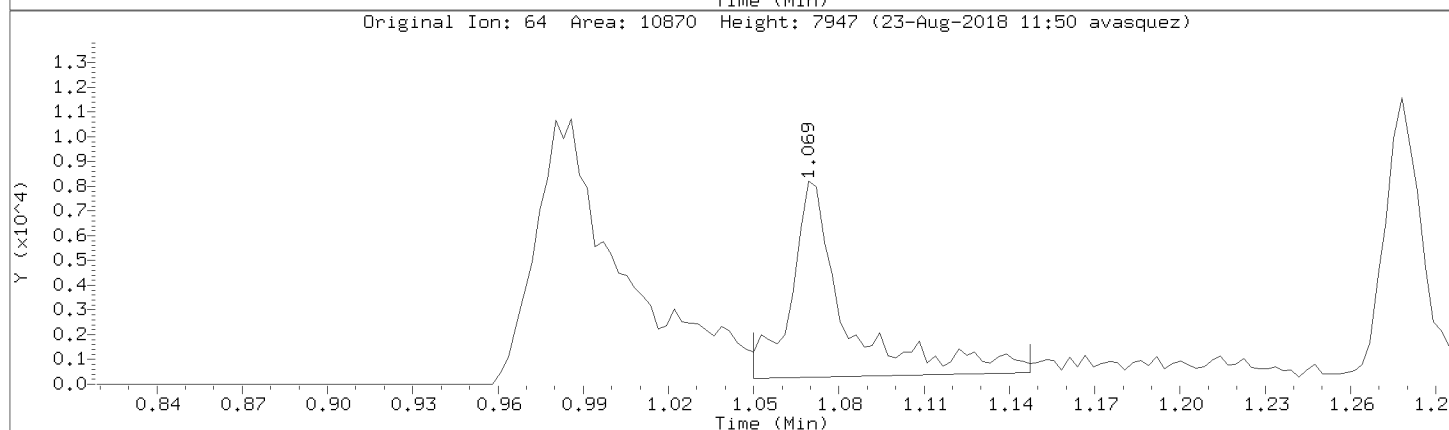
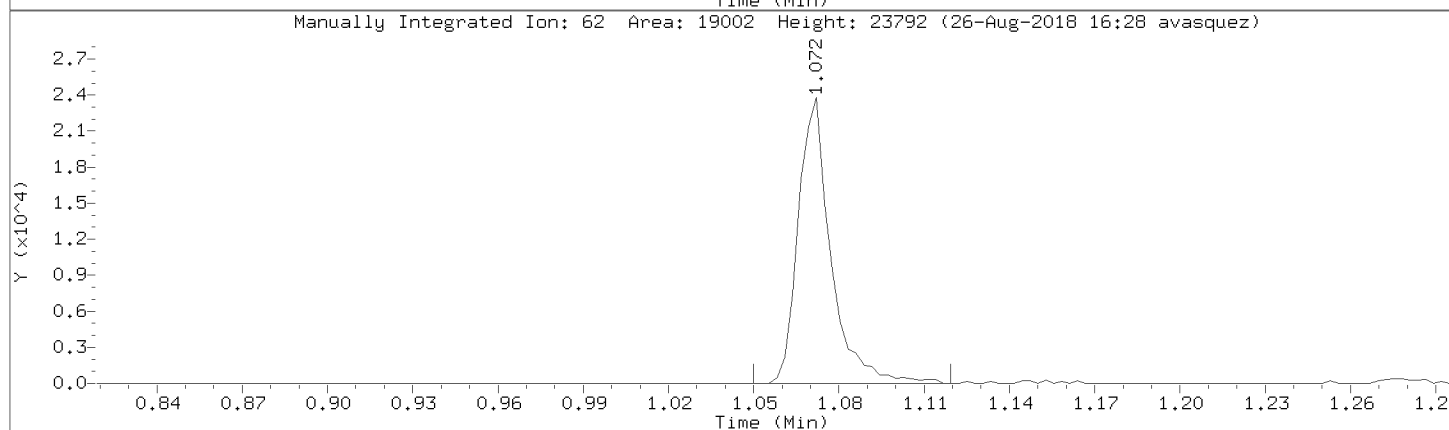
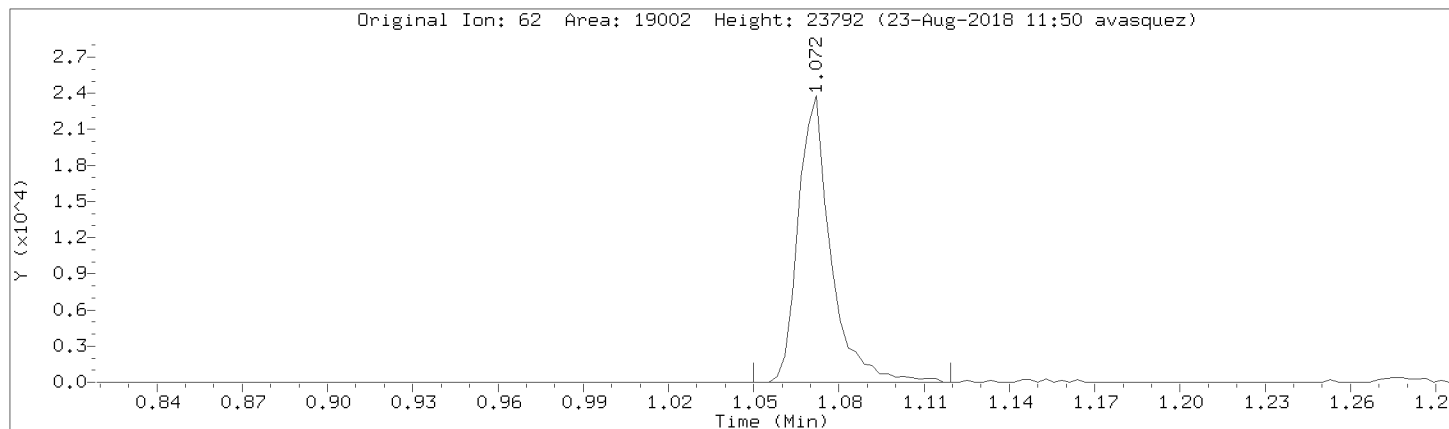
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Lab Sample ID: 8260-CAL5

Compound: Vinyl Chloride

Review Code: GT

CAS Number: 75-01-4



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Injection Date: 22-AUG-2018 16:29

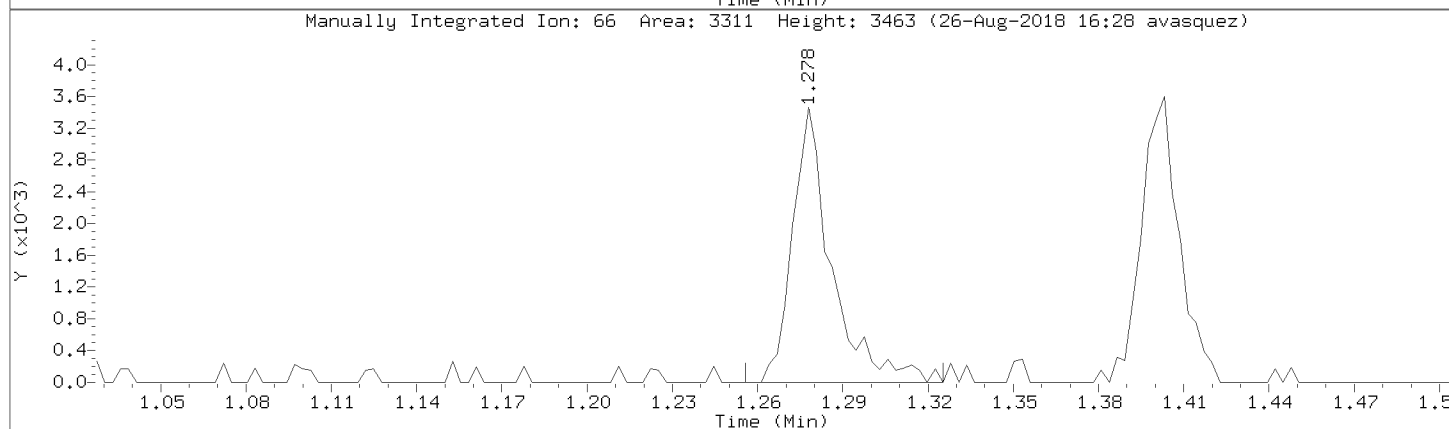
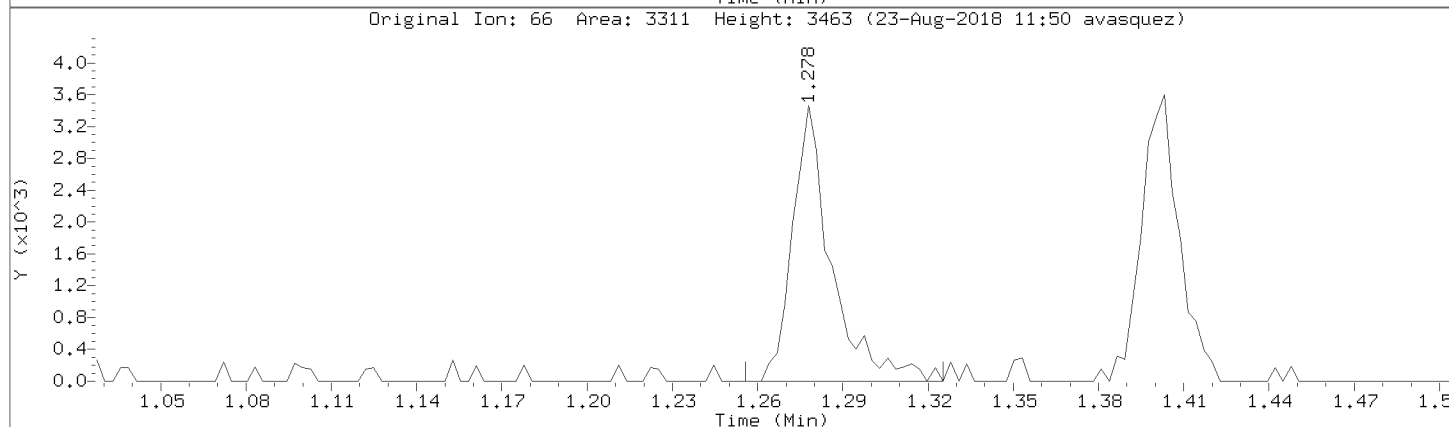
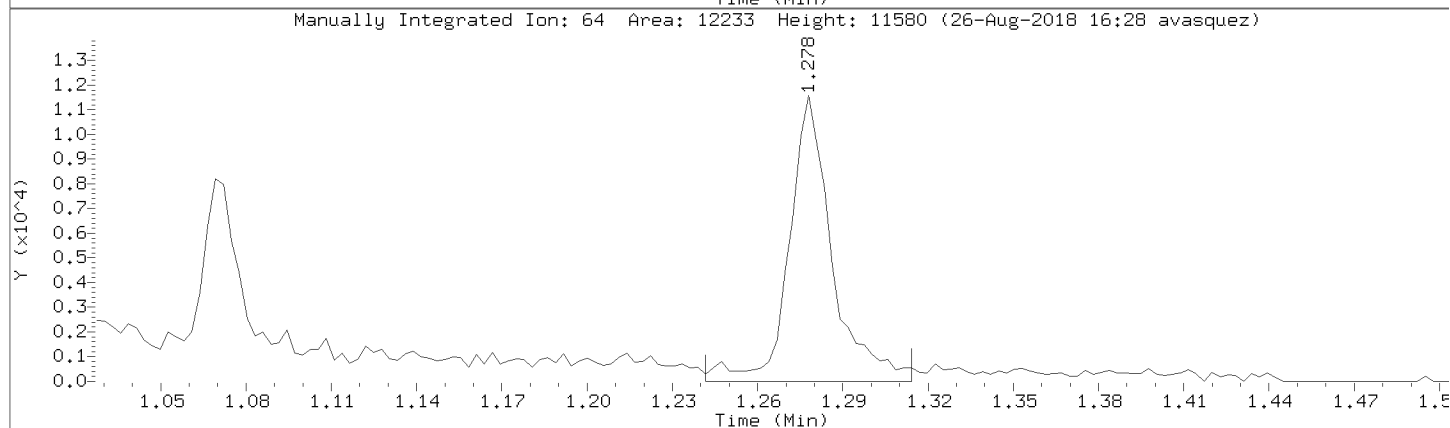
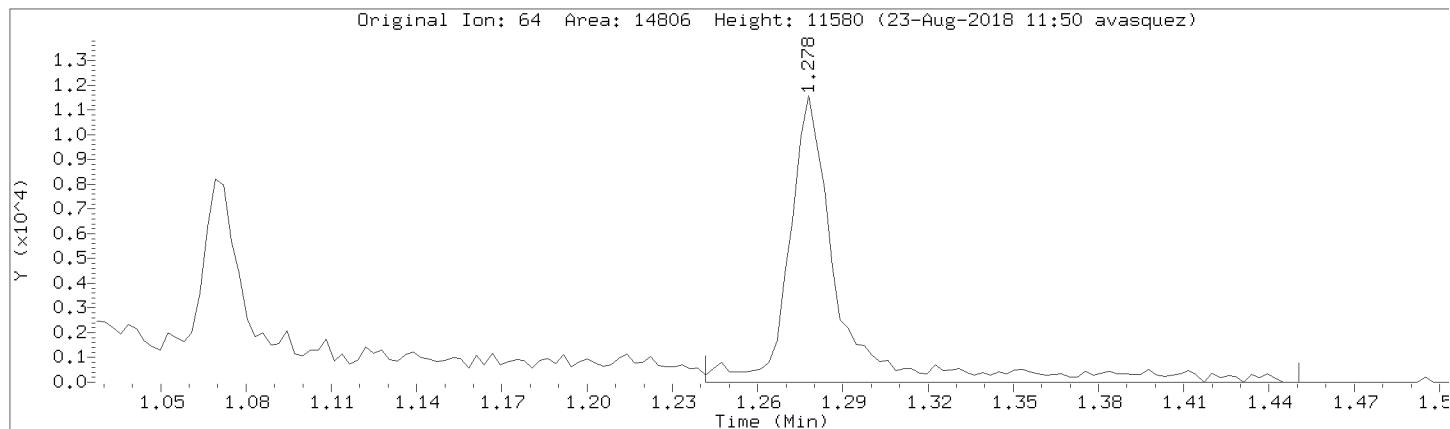
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Lab Sample ID: 8260-CAL5

Compound: Chloroethane

Review Code: GT

CAS Number: 75-00-3



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Injection Date: 22-AUG-2018 16:29

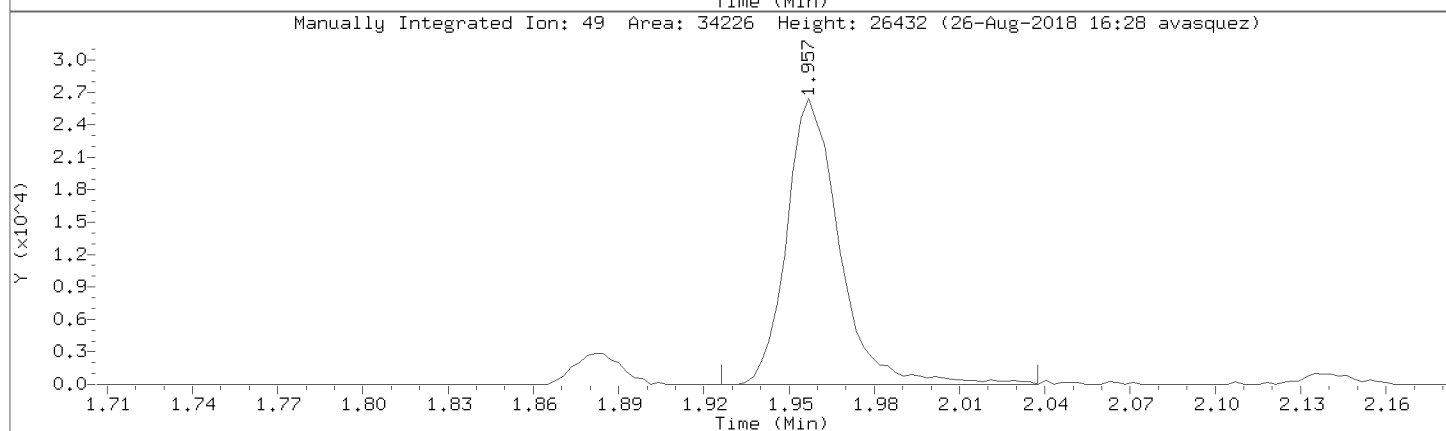
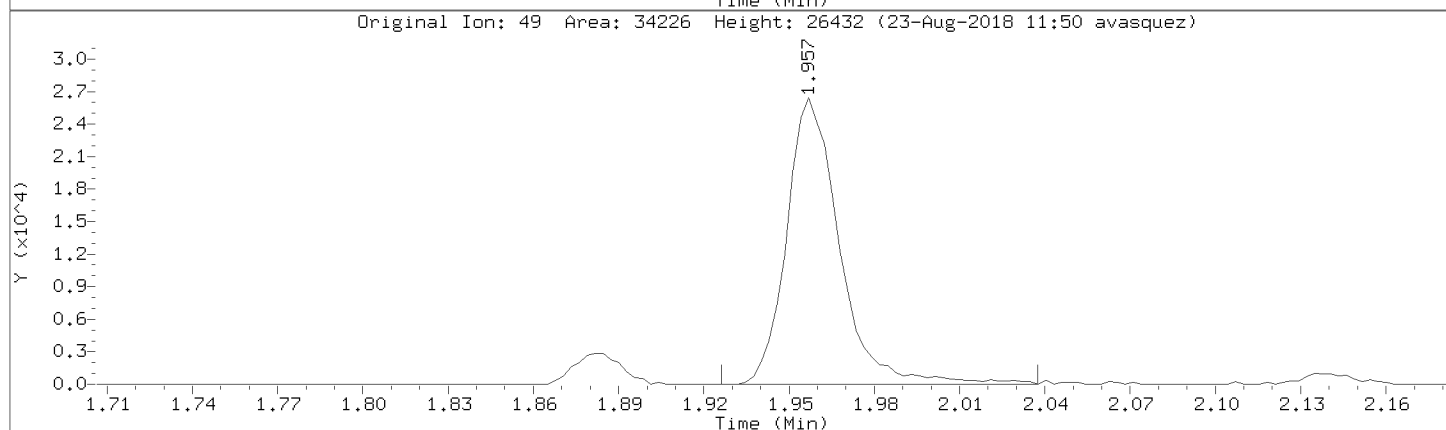
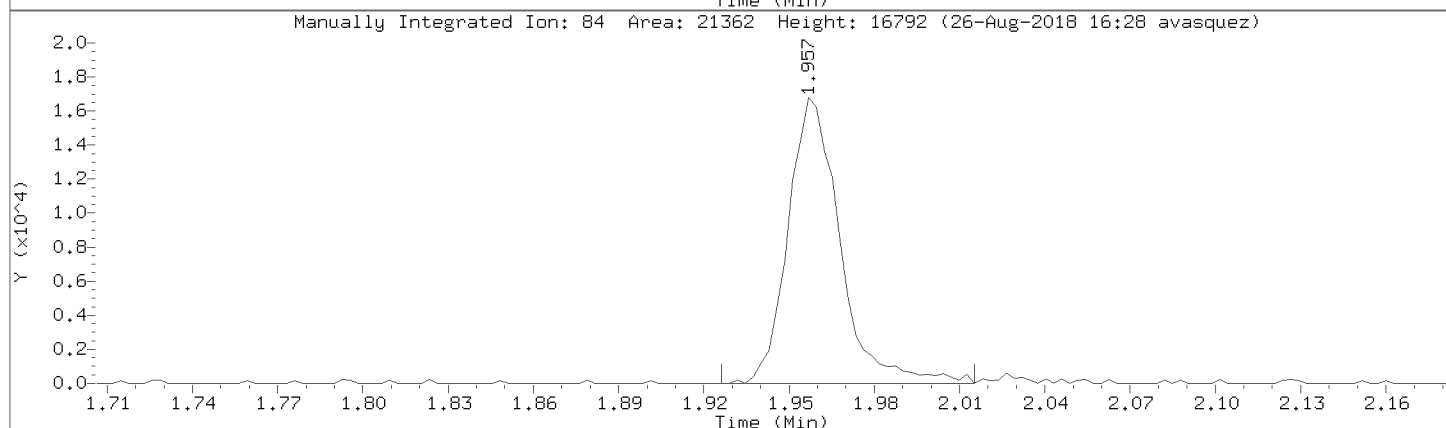
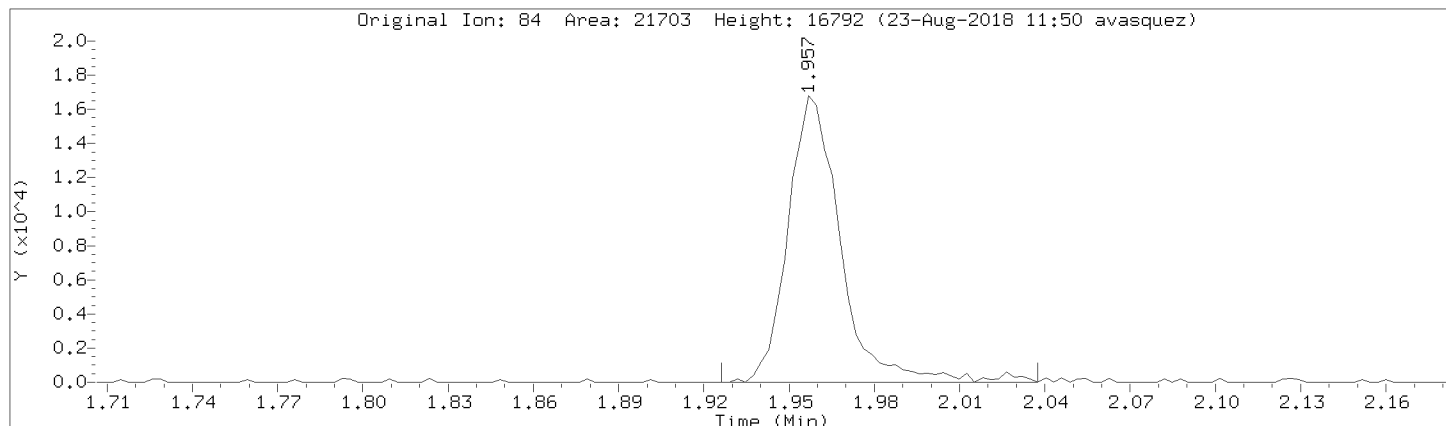
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

Compound: Methylene Chloride

Review Code: GT

CAS Number: 75-09-2

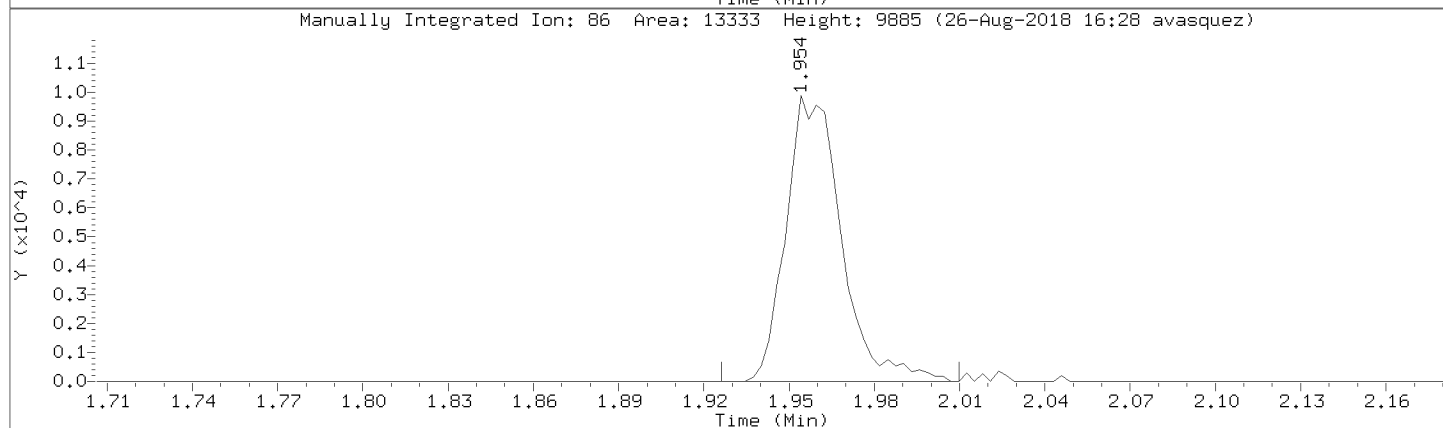
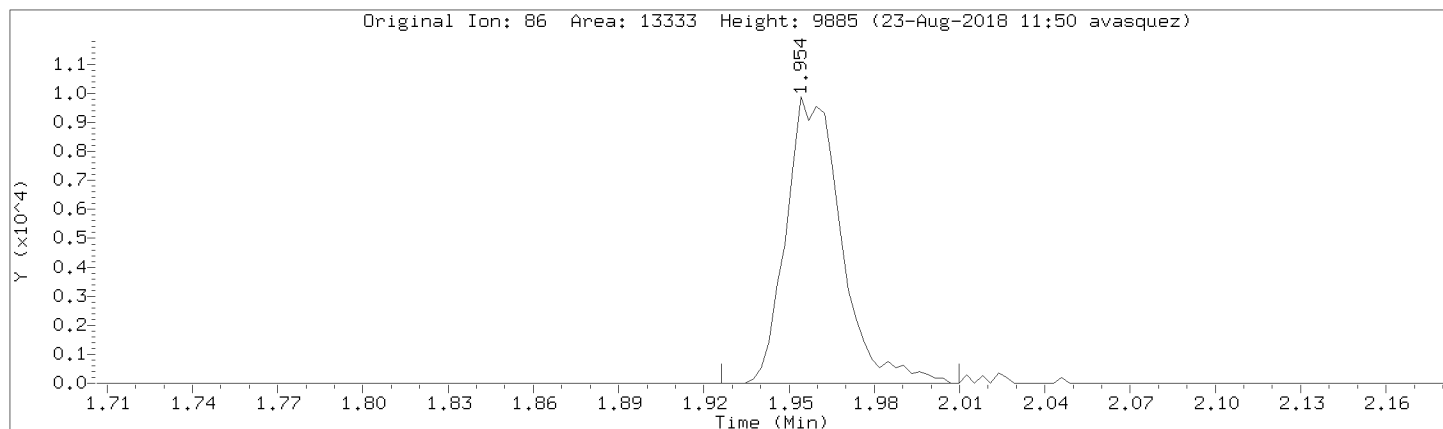


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Injection Date: 22-AUG-2018 16:29

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5



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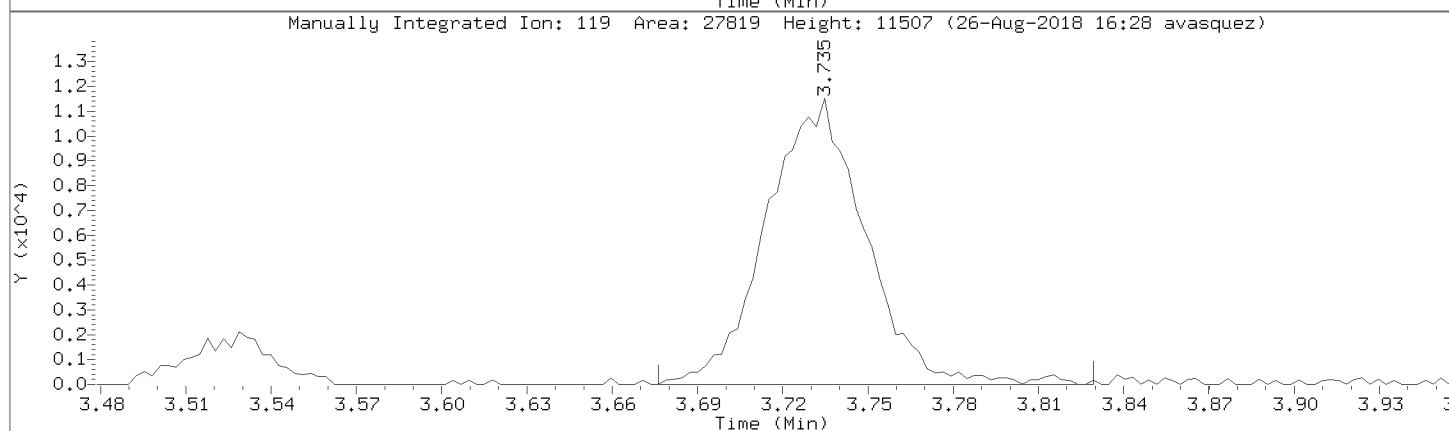
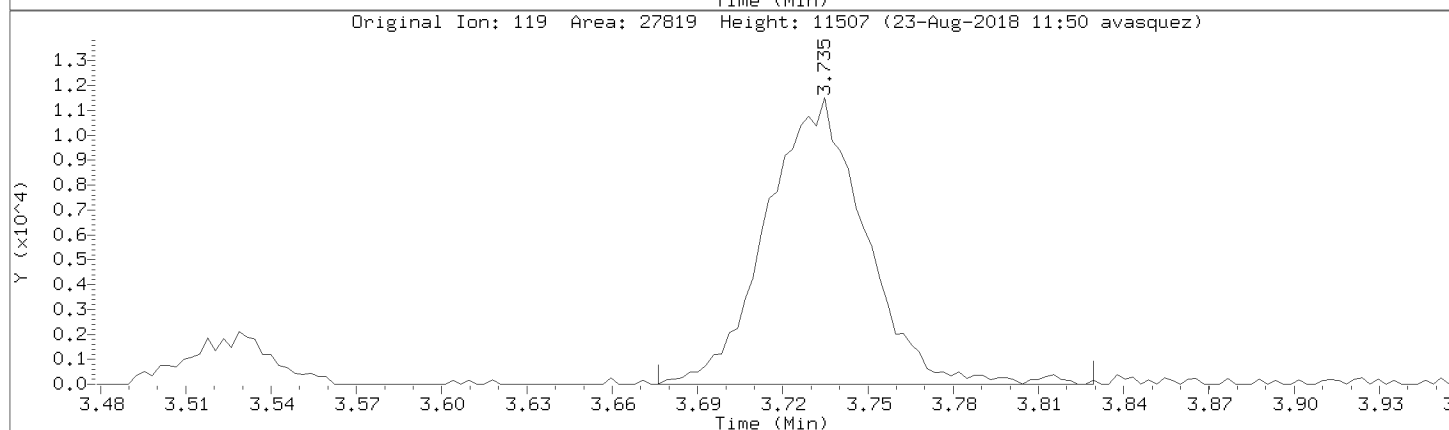
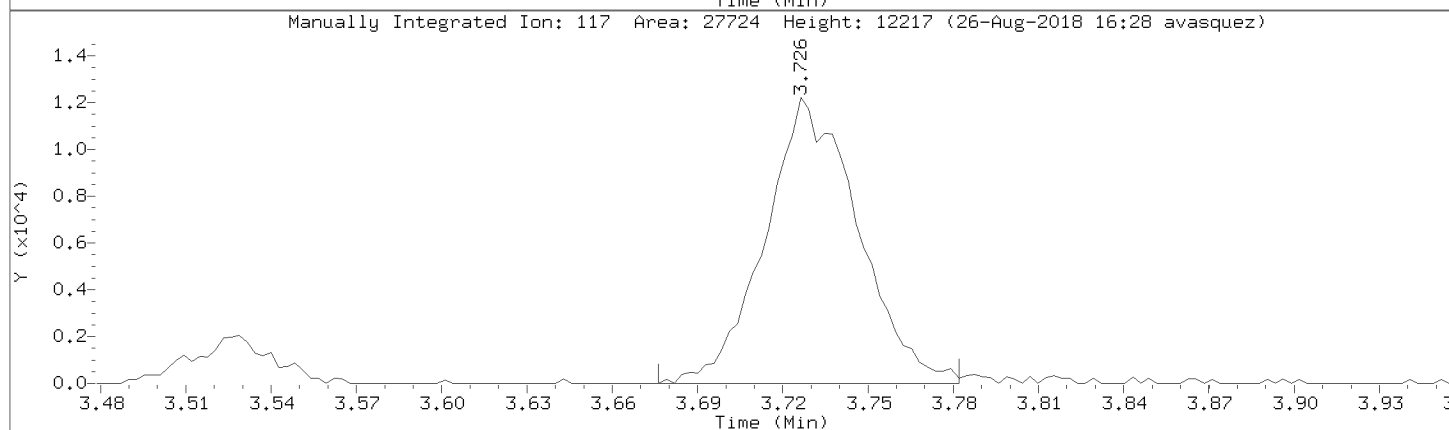
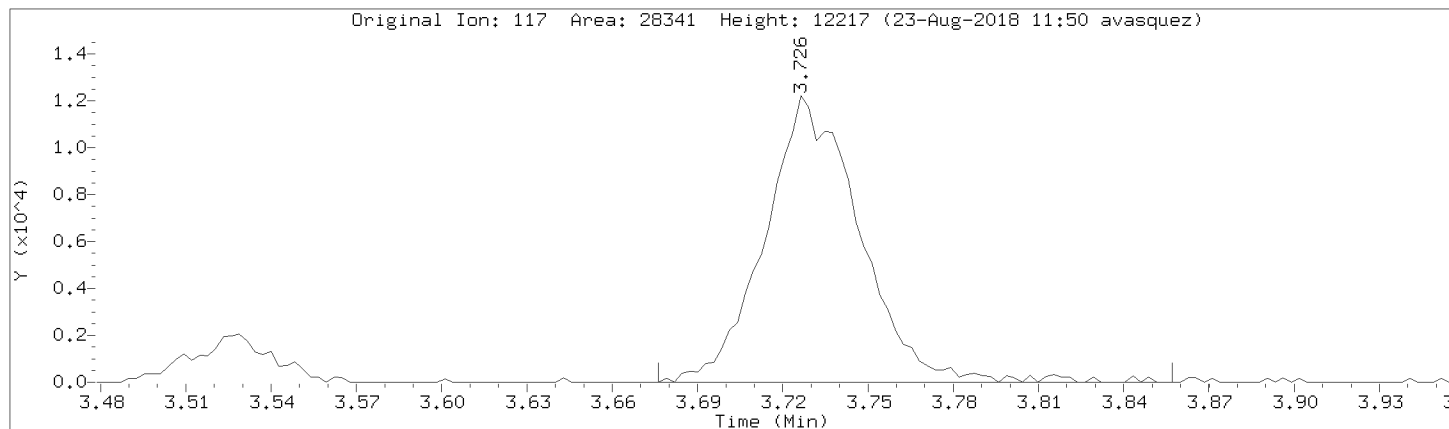
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

Compound: Carbon Tetrachloride

Review Code: GT

CAS Number: 56-23-5

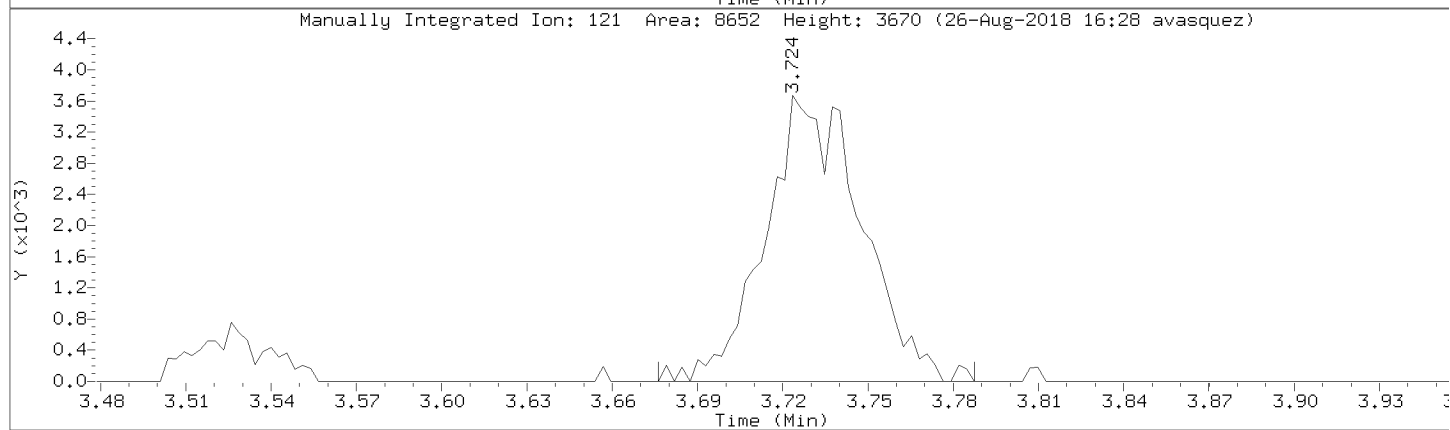
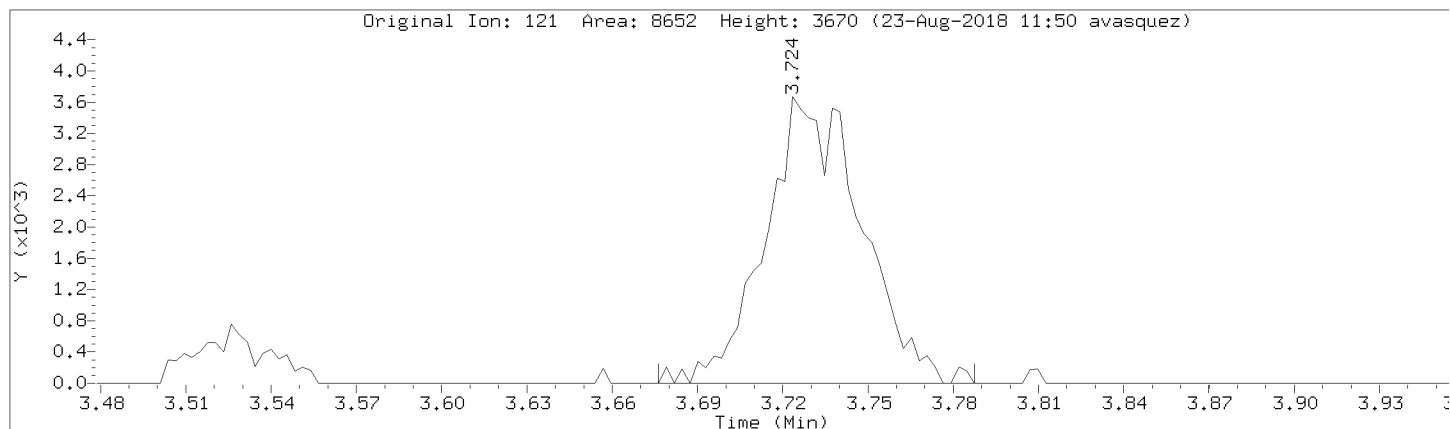


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Injection Date: 22-AUG-2018 16:29

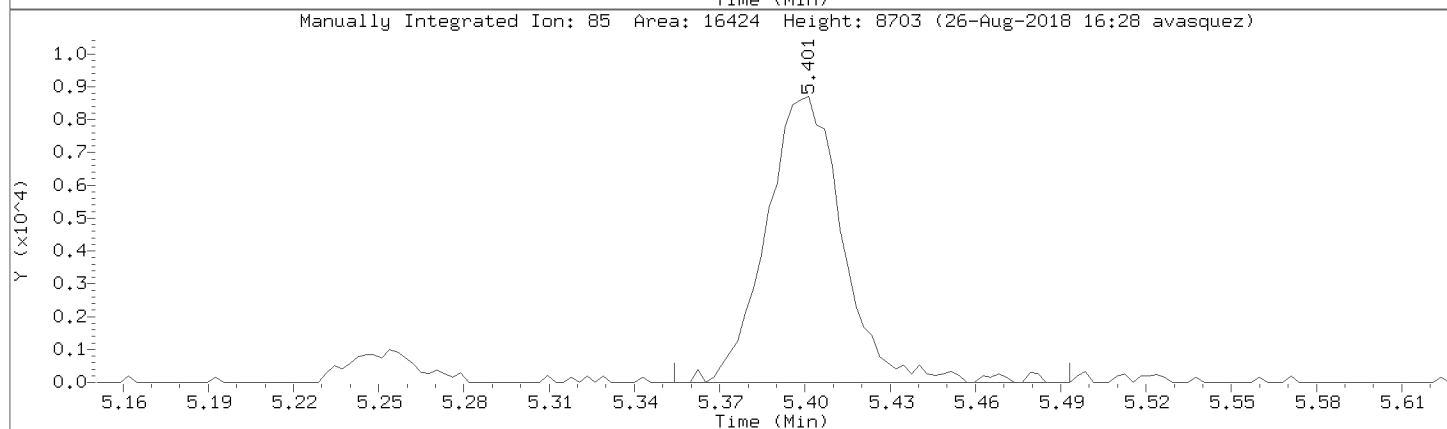
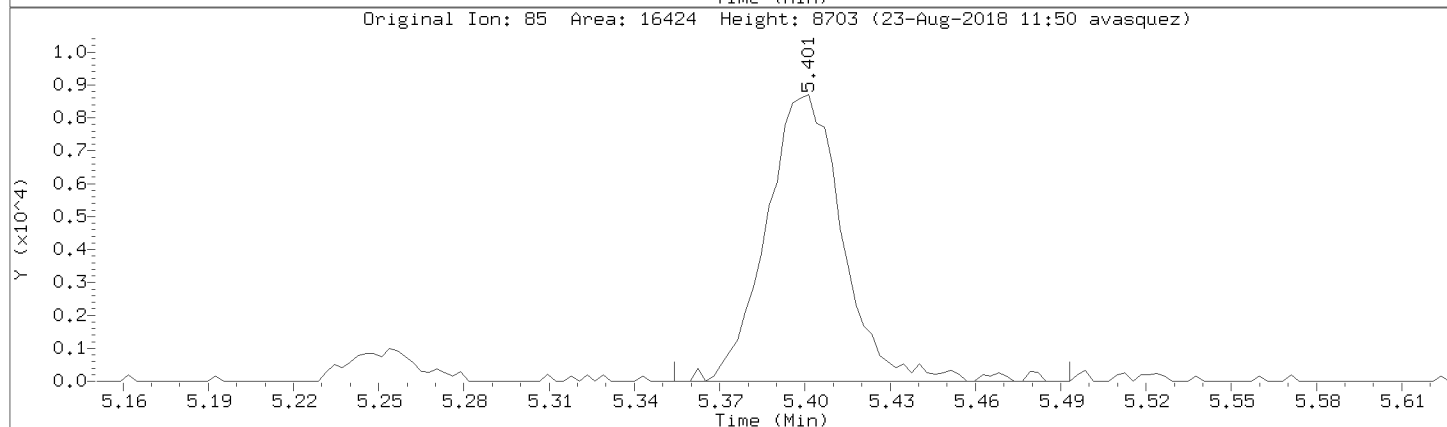
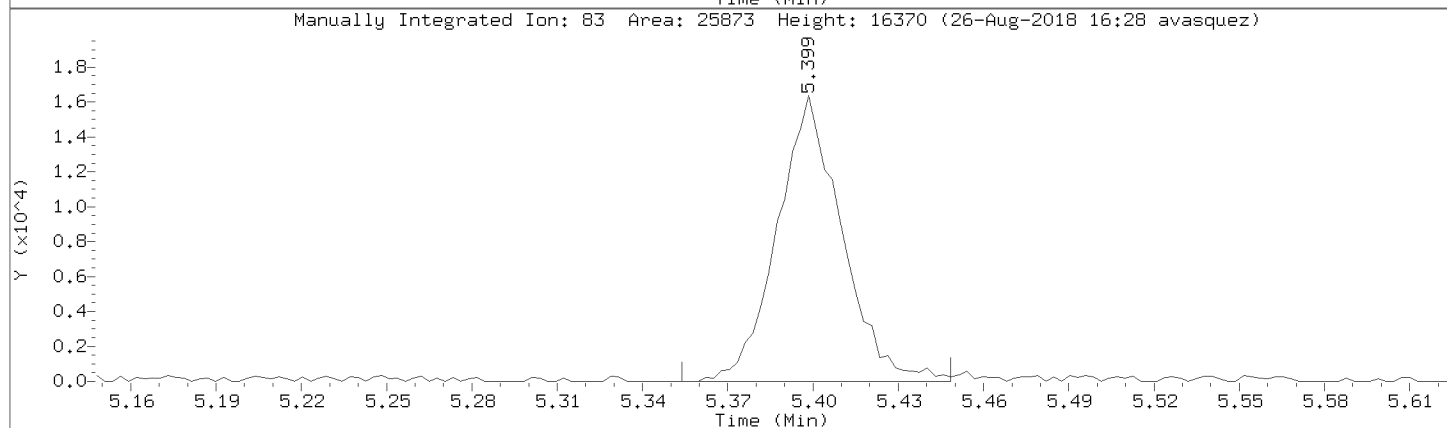
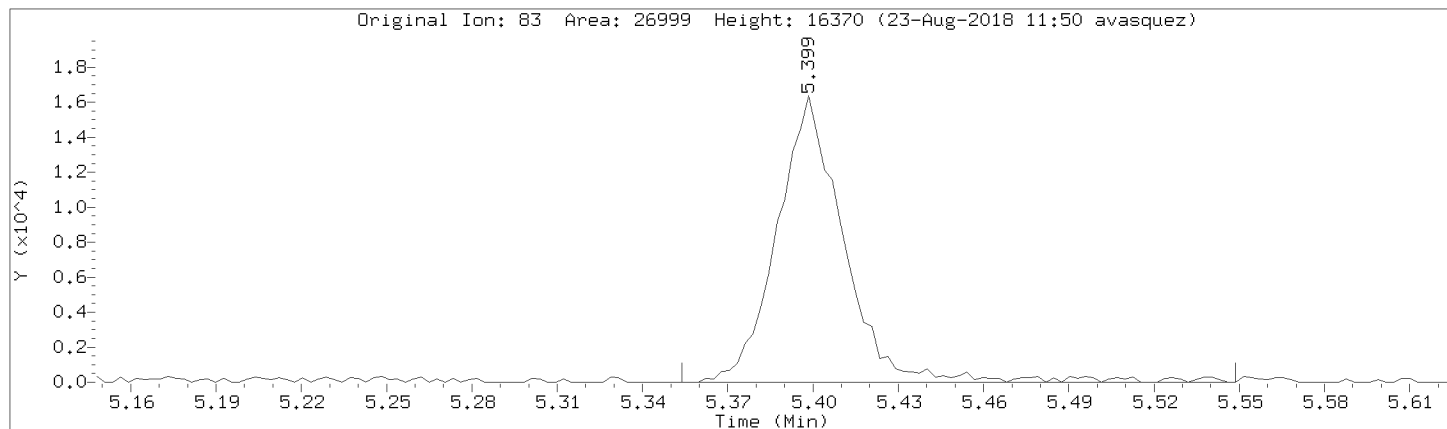
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Lab Sample ID: 8260-CAL5



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Injection Date: 22-AUG-2018 16:29
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5

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

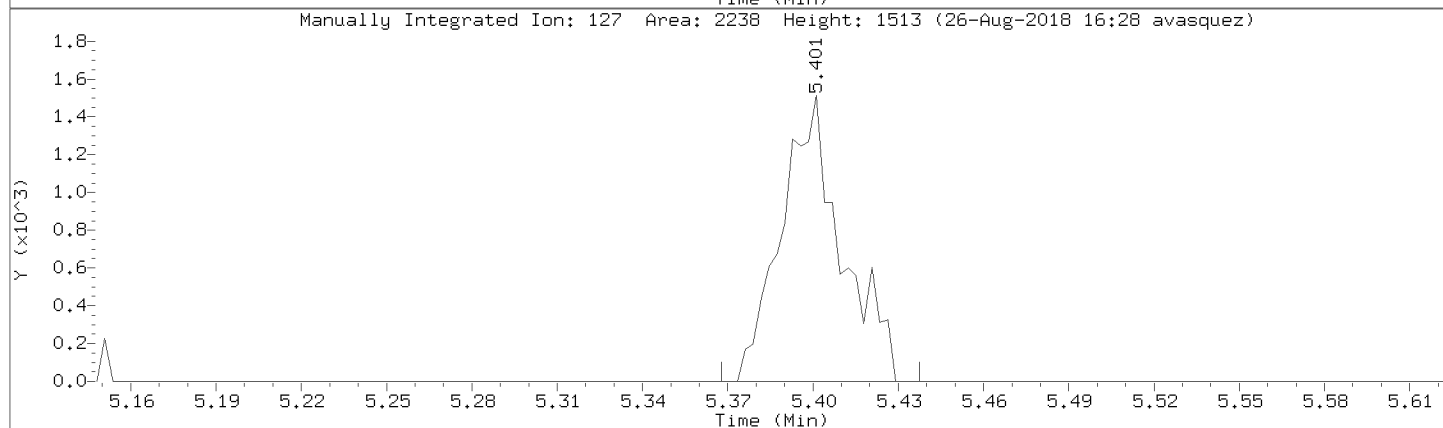
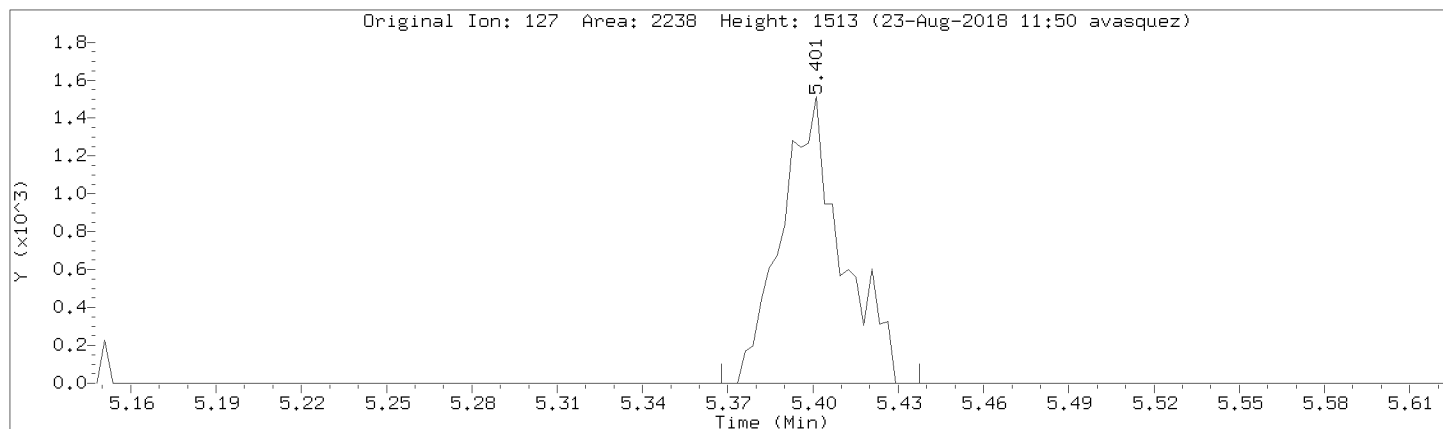


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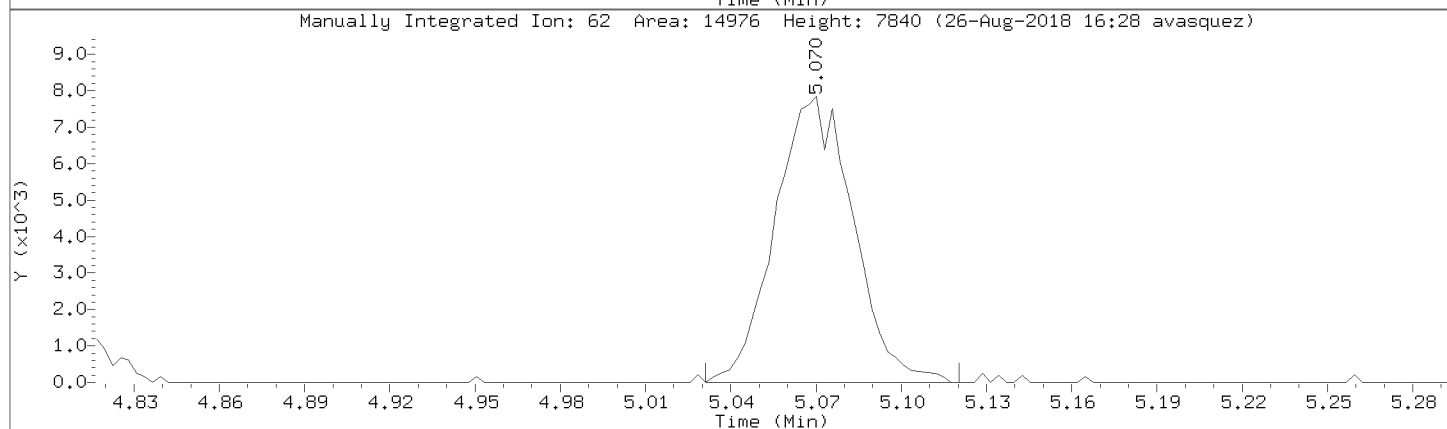
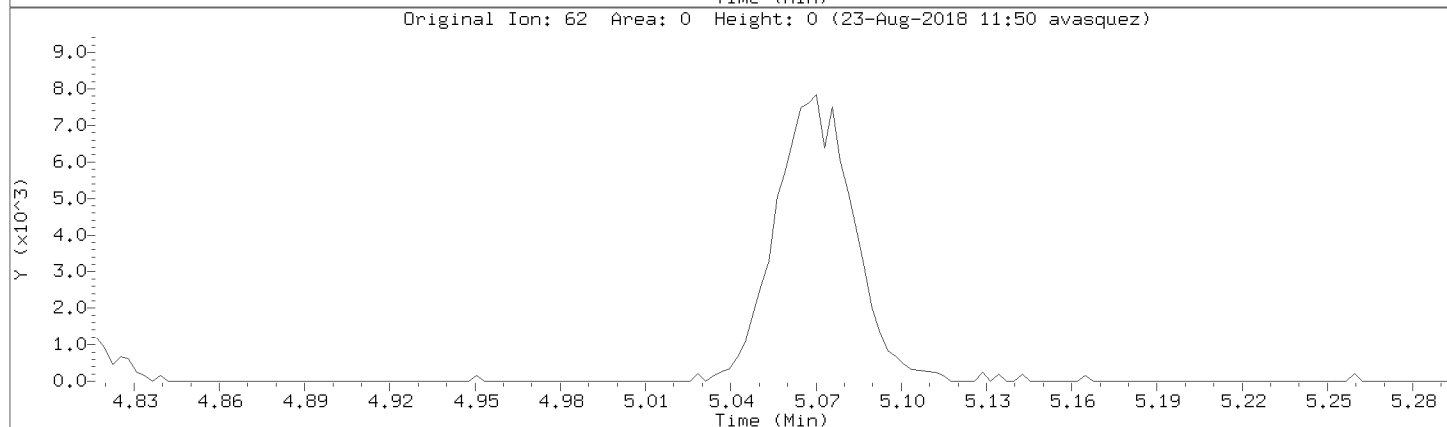
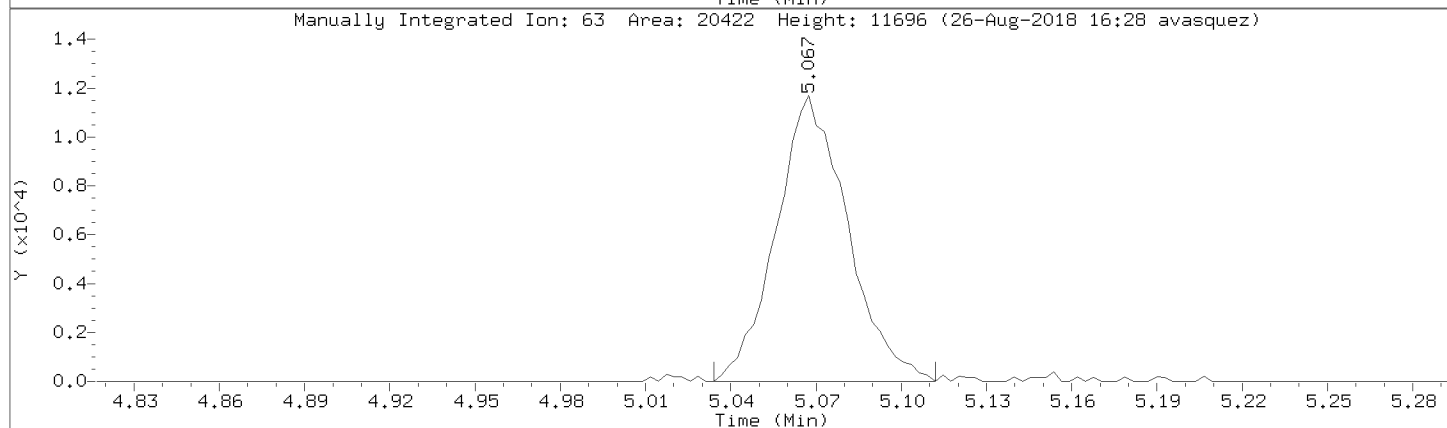
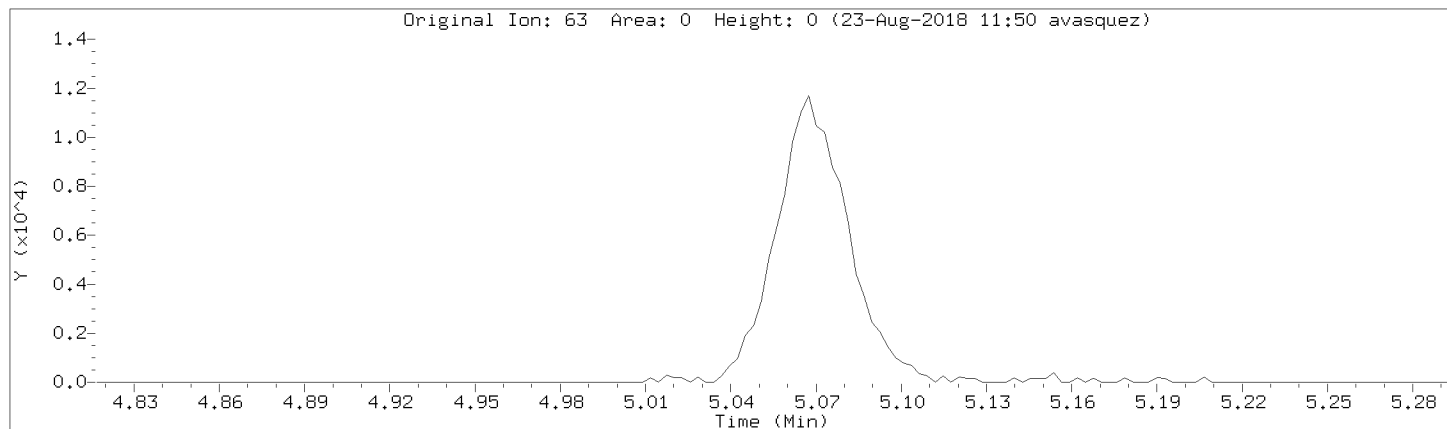
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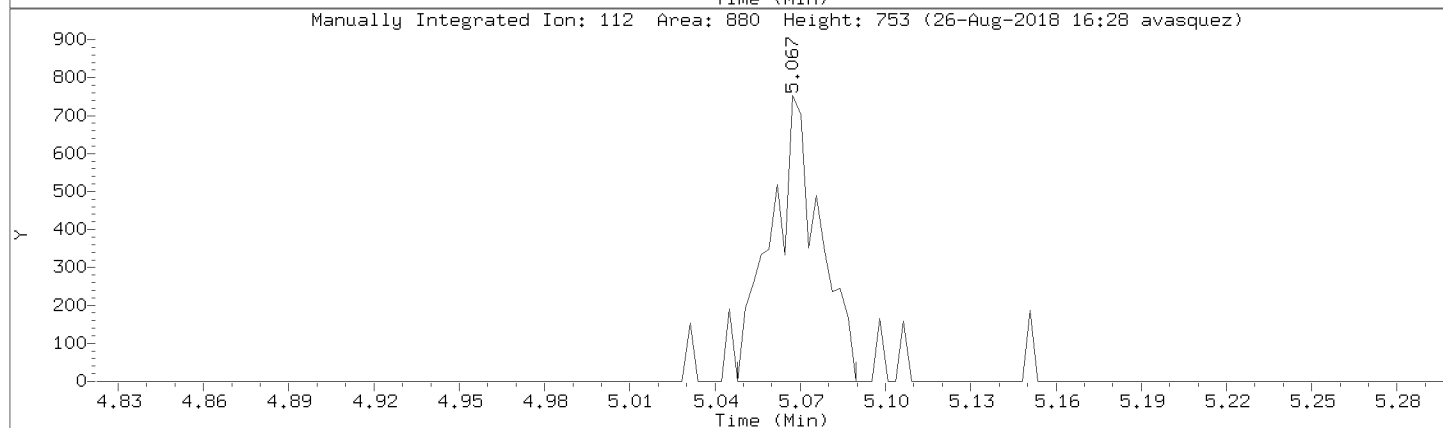
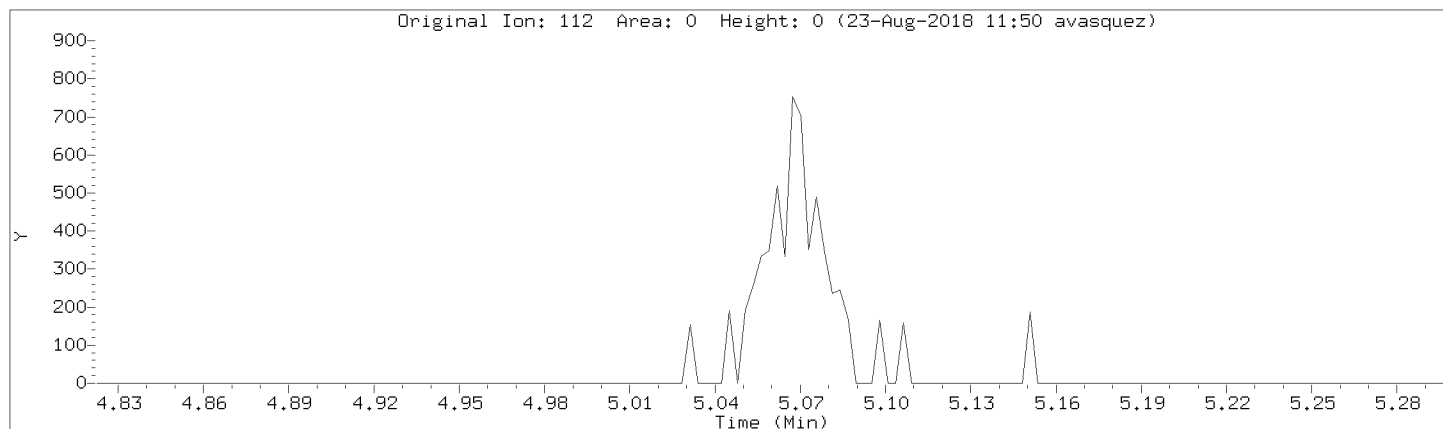


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Injection Date: 22-AUG-2018 16:29
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5

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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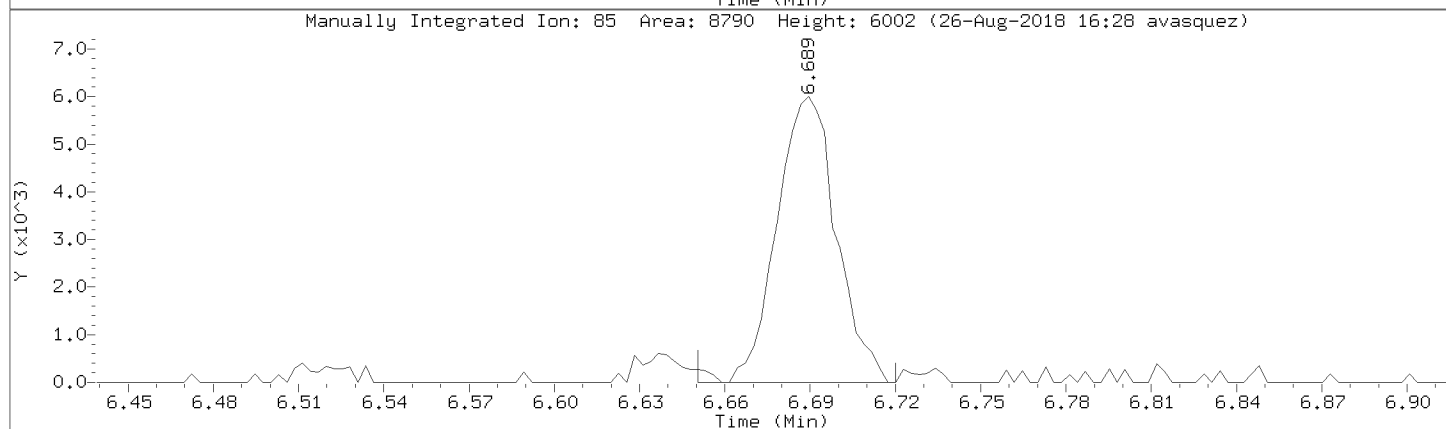
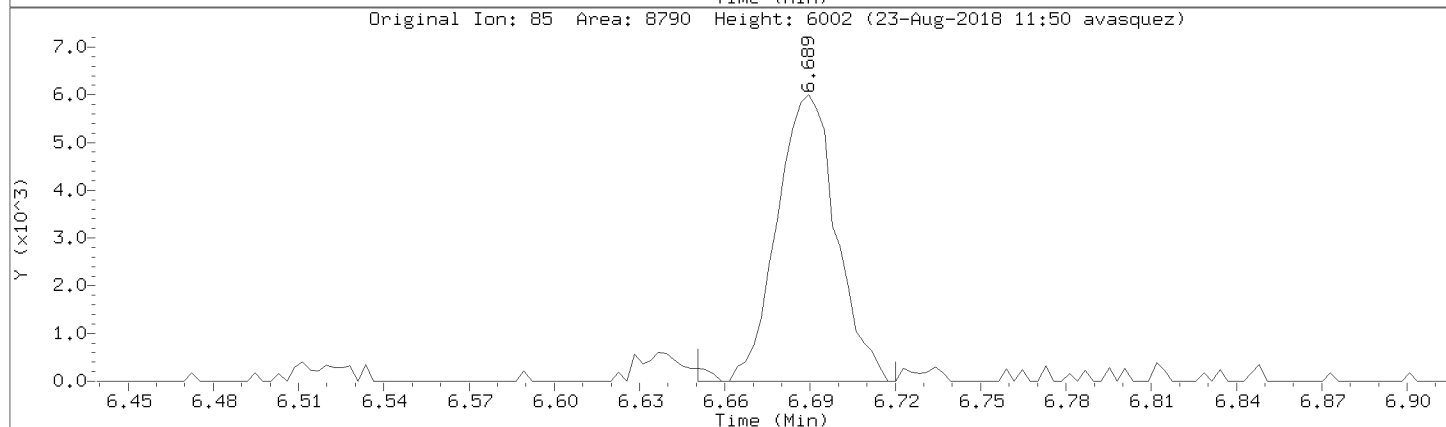
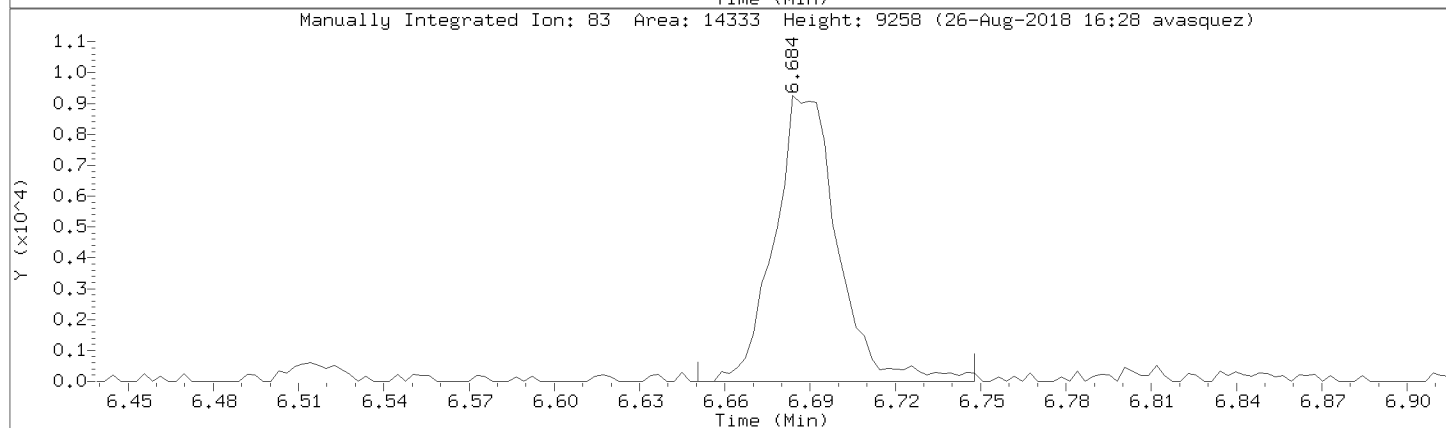
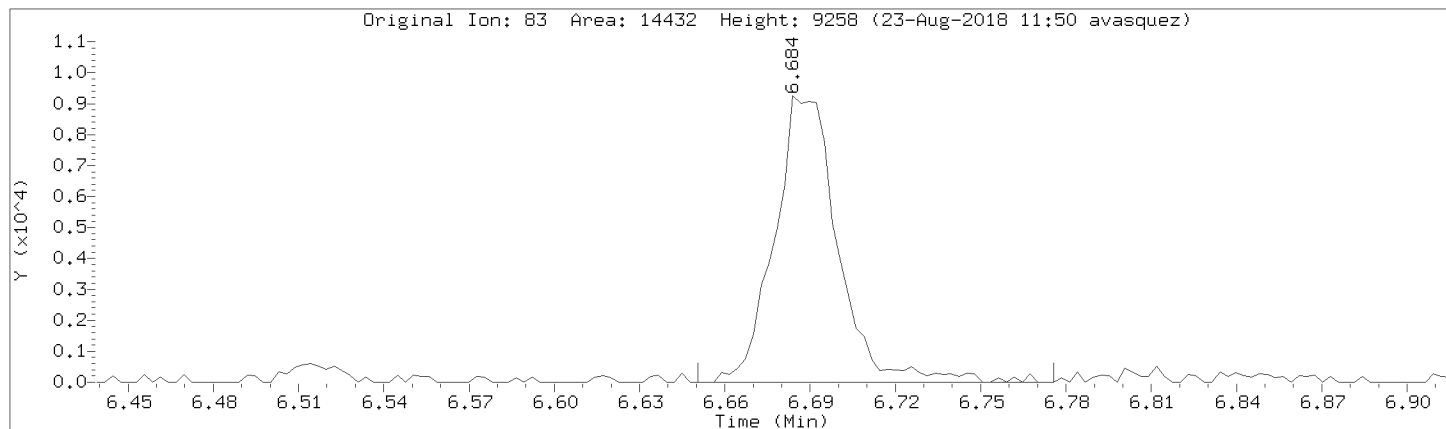
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

Compound: 1,1,2-Trichloroethane

Review Code: GT

CAS Number: 79-00-5

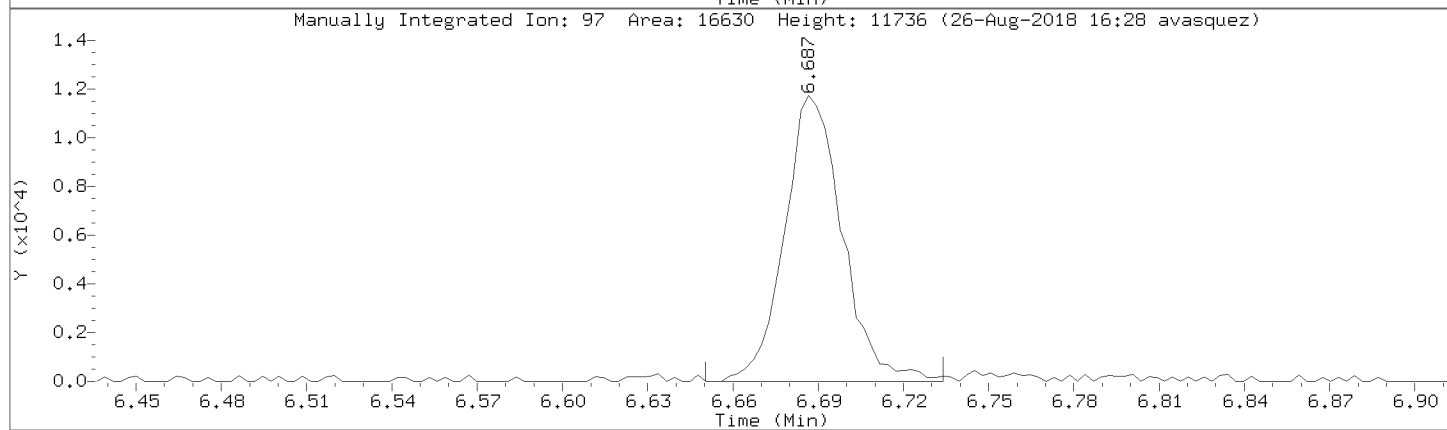
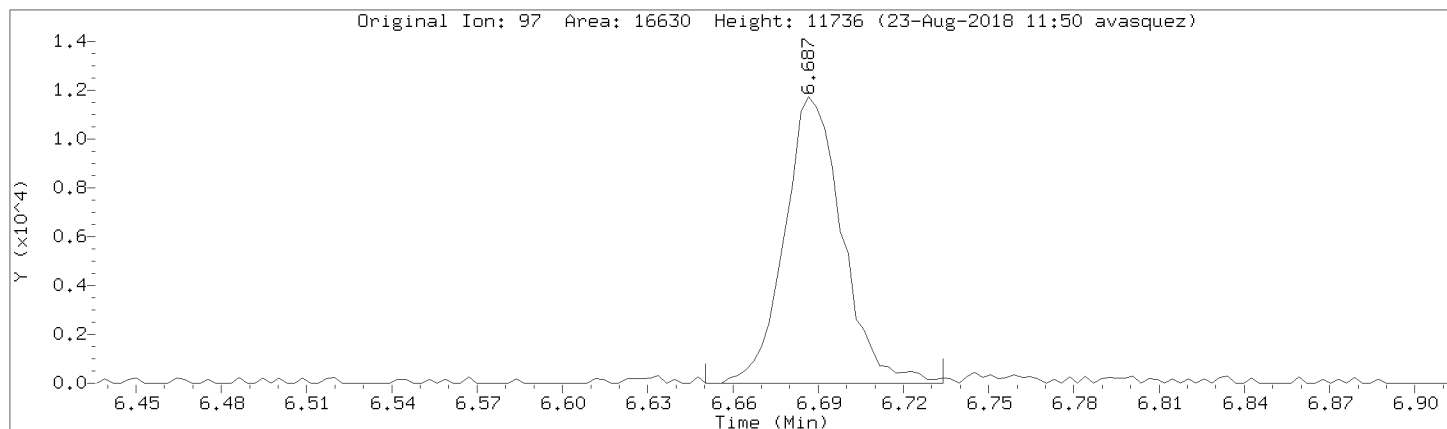


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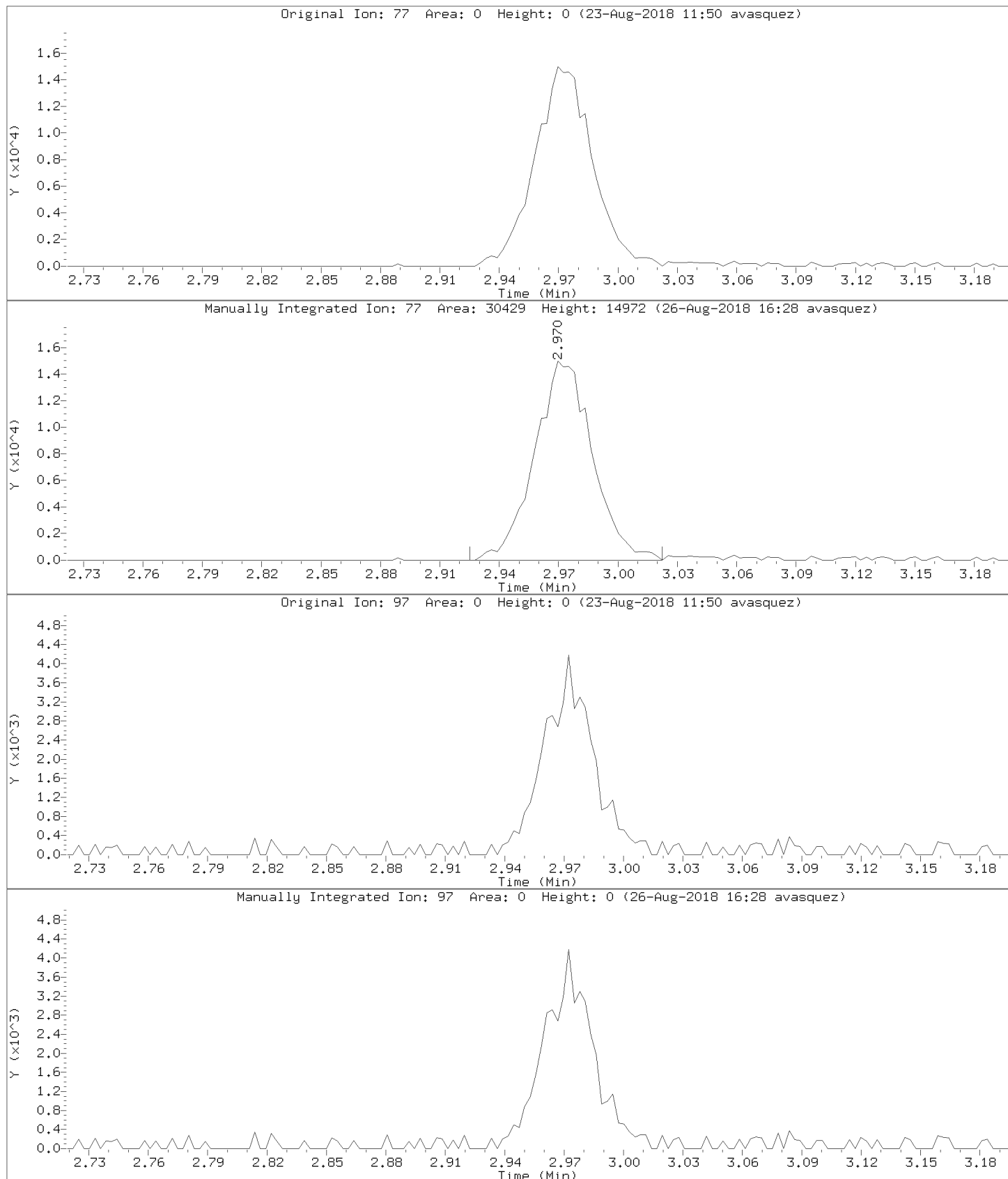
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Lab Sample ID: 8260-CAL5



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Injection Date: 22-AUG-2018 16:29
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5

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



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\06cal.d

Injection Date: 22-AUG-2018 16:29

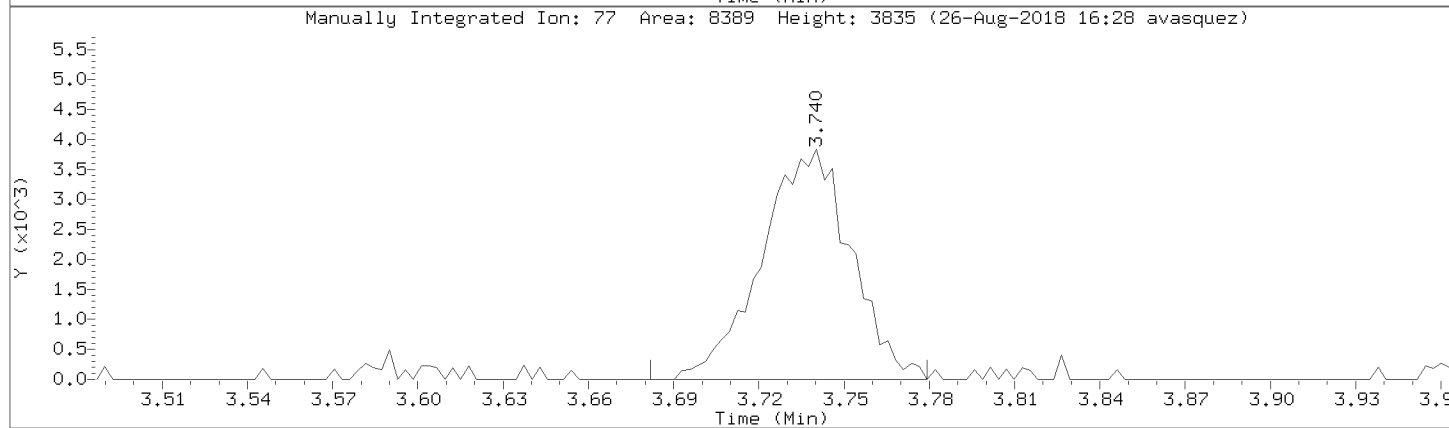
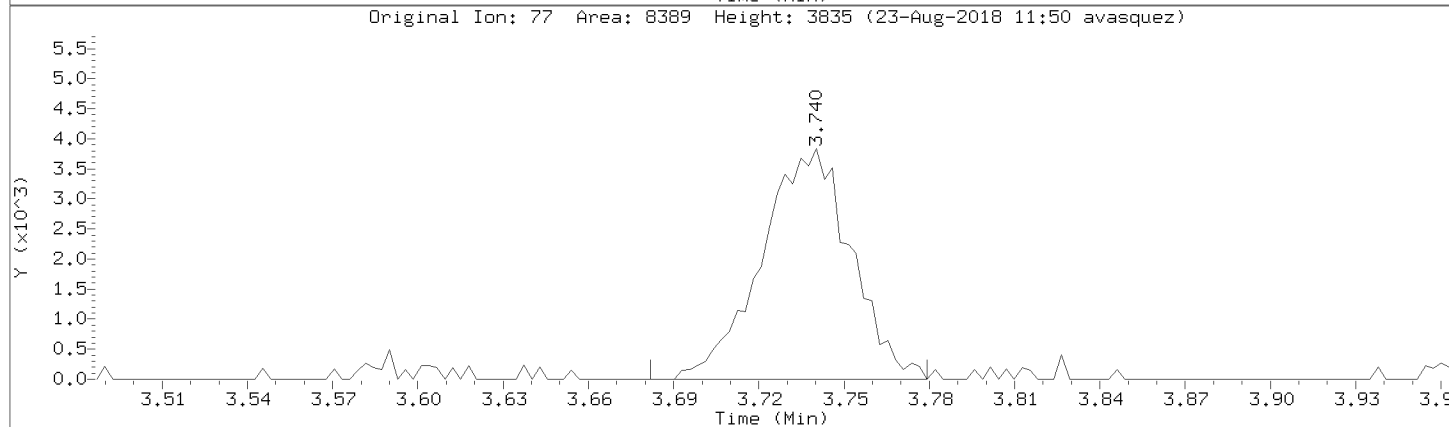
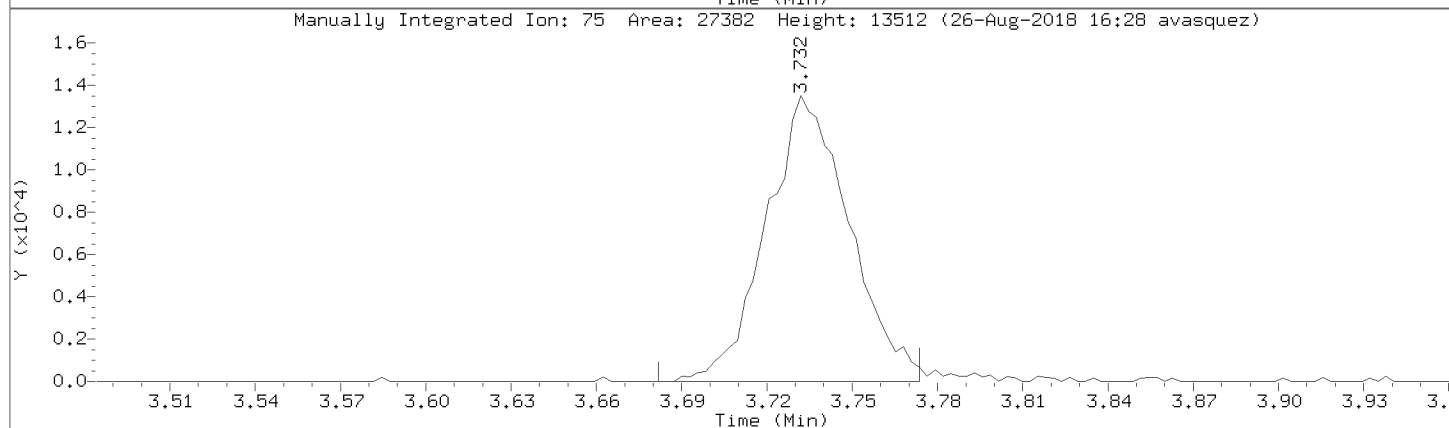
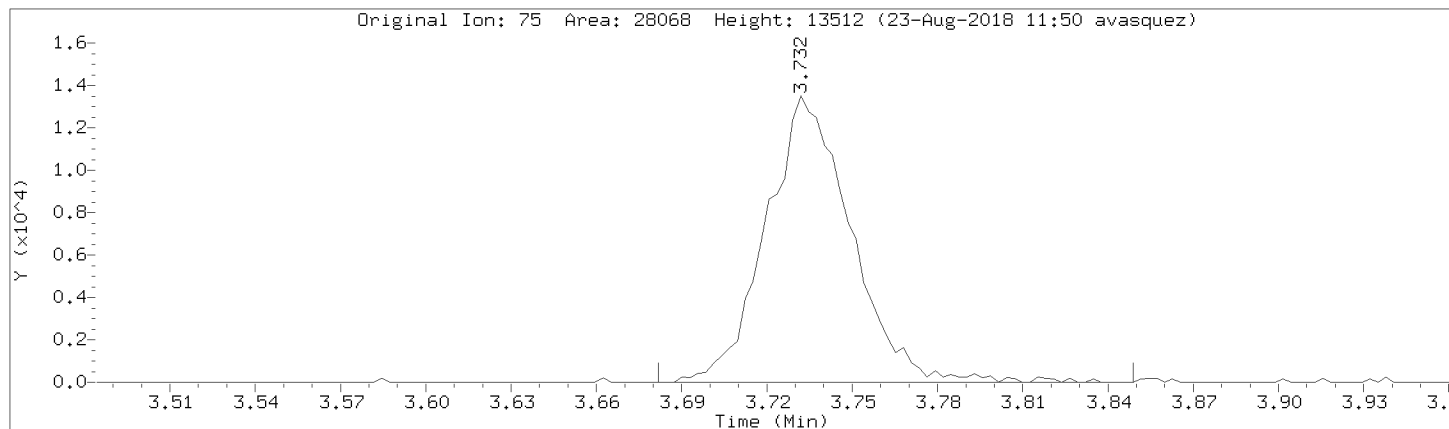
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

Compound: 1,1-Dichloropropene

Review Code: GT

CAS Number: 563-58-6

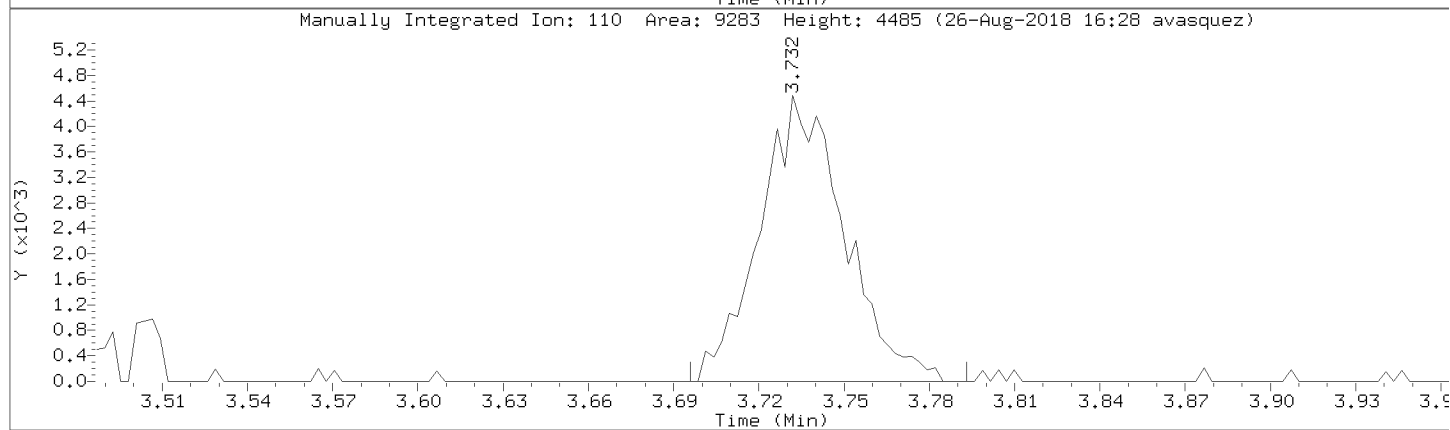
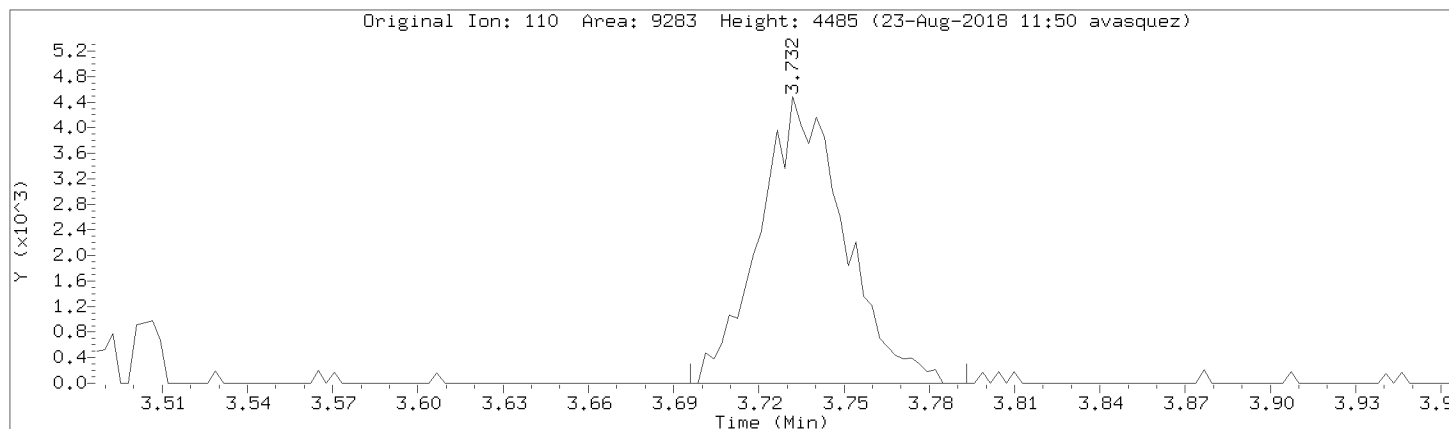


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Injection Date: 22-AUG-2018 16:29

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5



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Injection Date: 22-AUG-2018 16:29

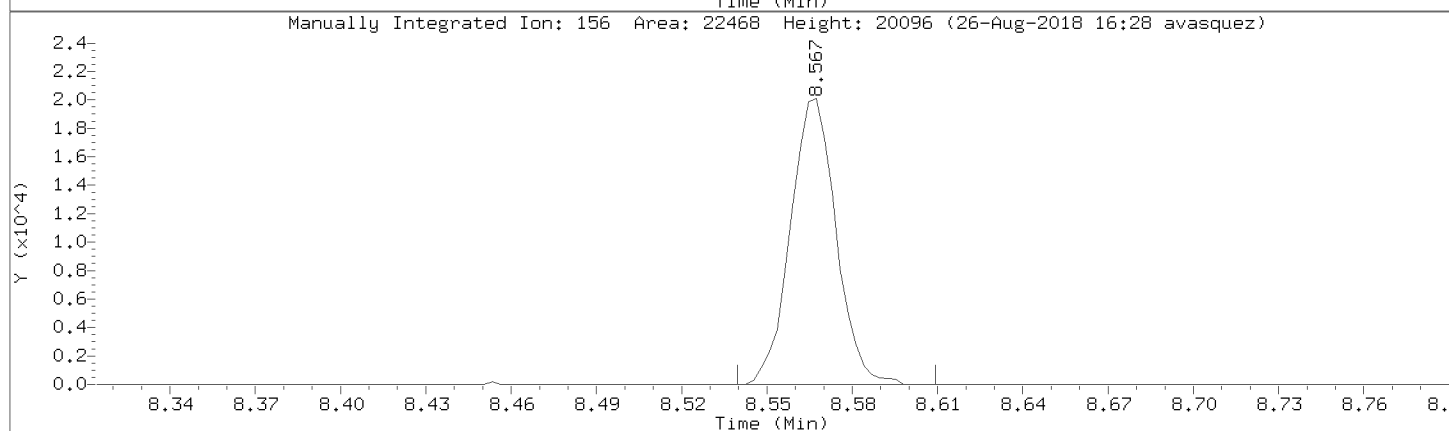
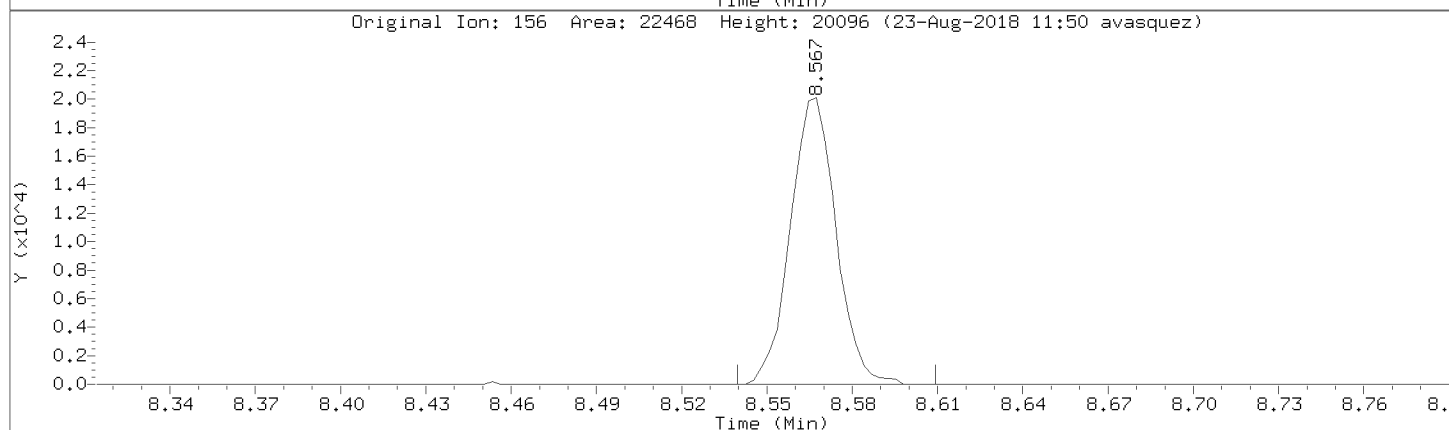
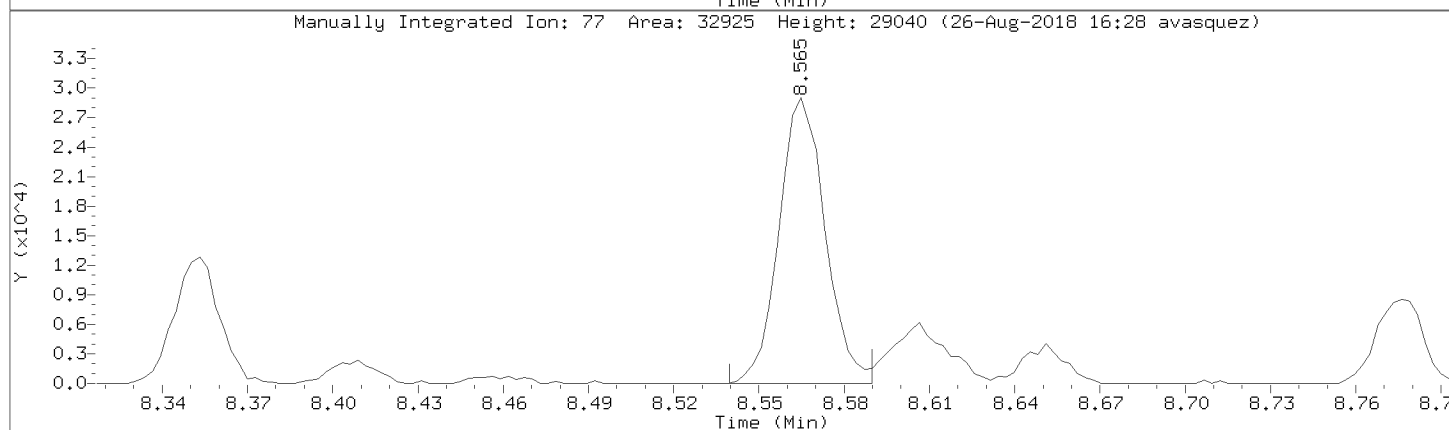
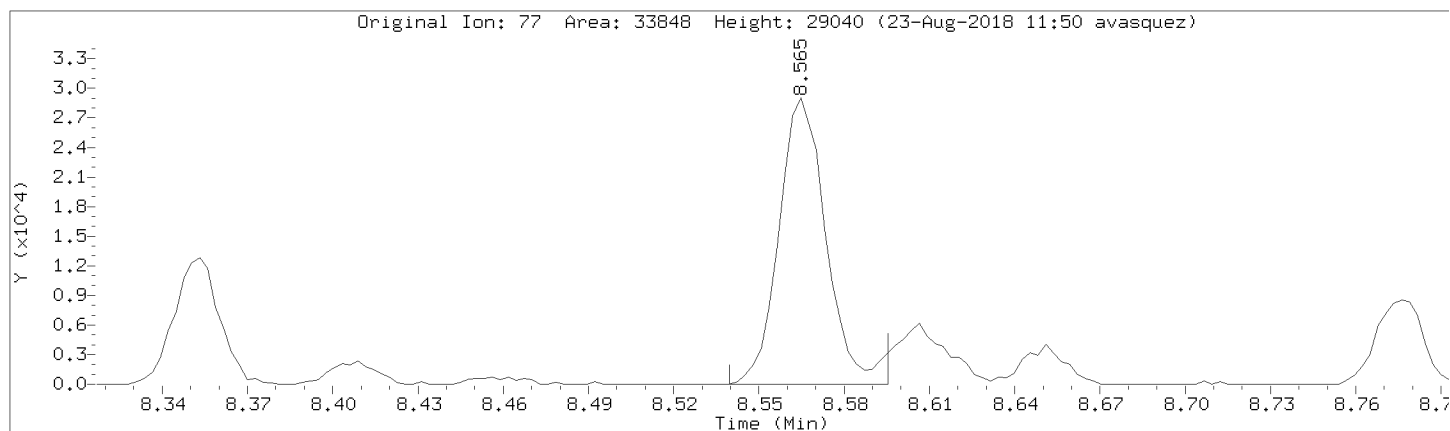
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

Compound: Bromobenzene

Review Code: GT

CAS Number: 108-86-1

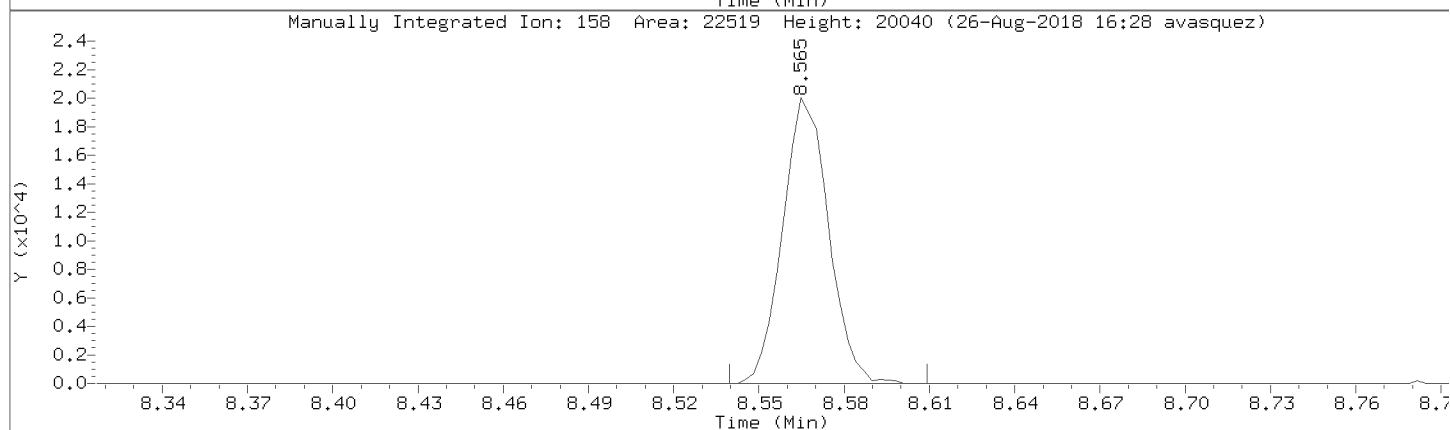
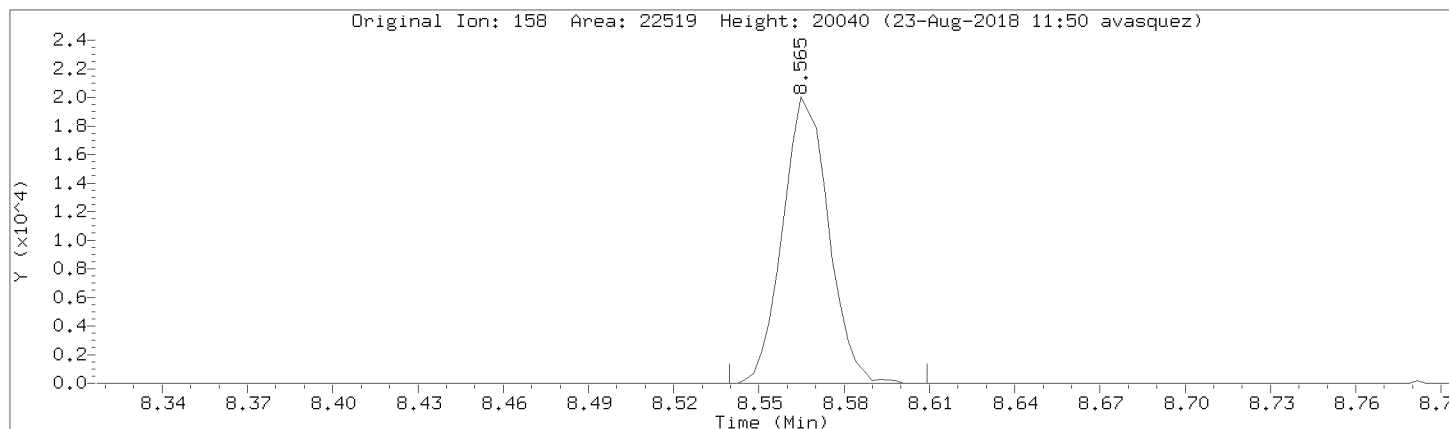


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Injection Date: 22-AUG-2018 16:29

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a06cal.d

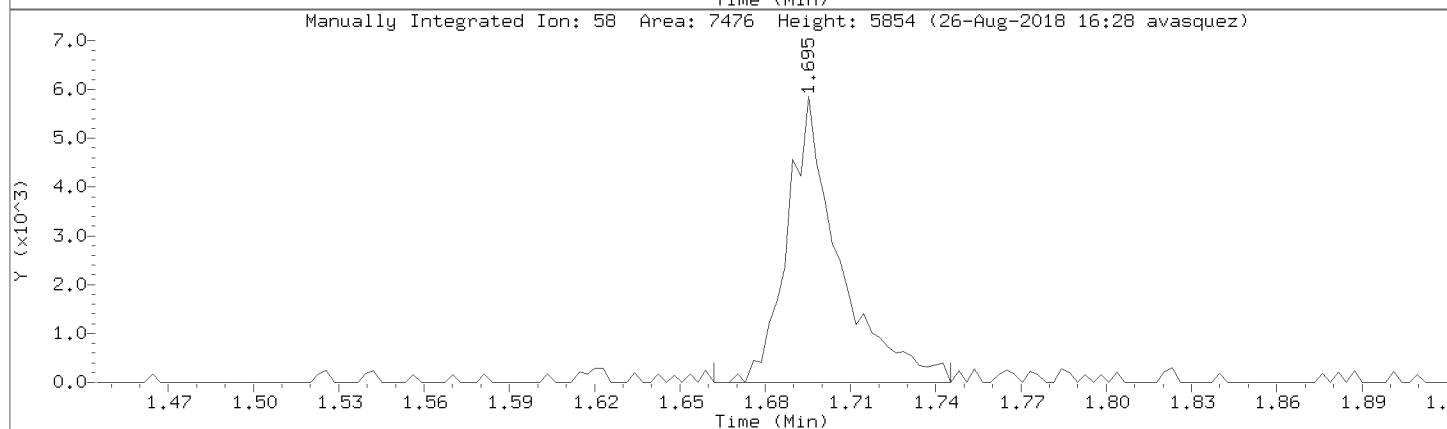
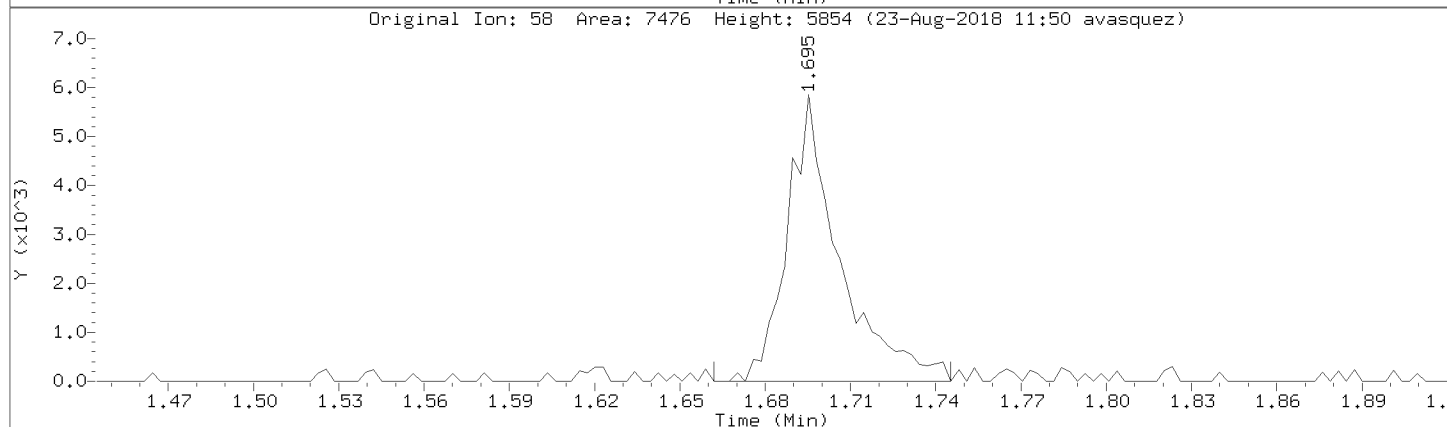
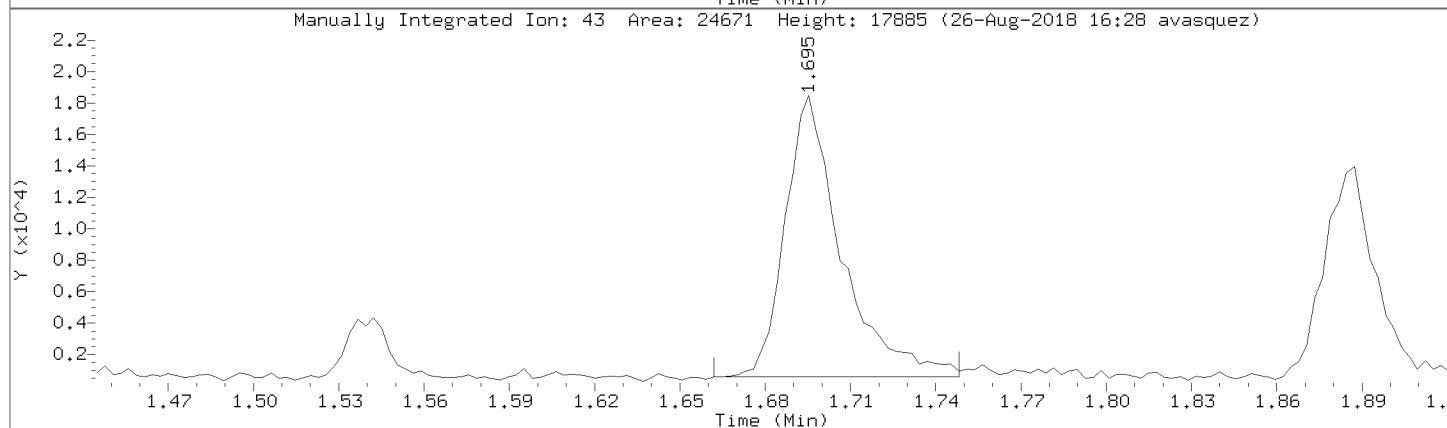
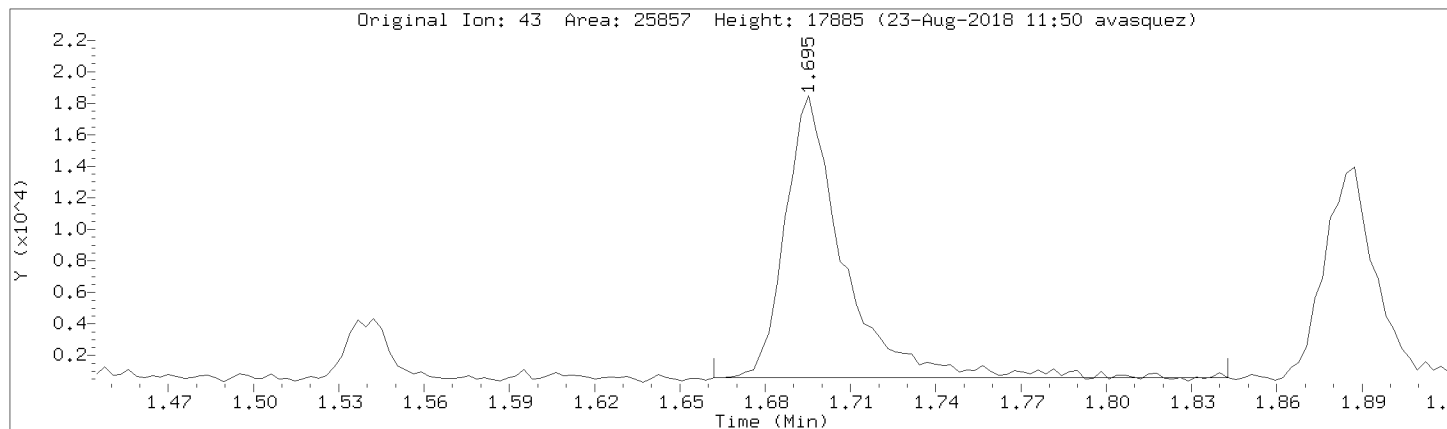
Injection Date: 22-AUG-2018 16:29

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

Compound: Acetone Review Code: GT

CAS Number: 67-64-1



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\06cal.d

Injection Date: 22-AUG-2018 16:29

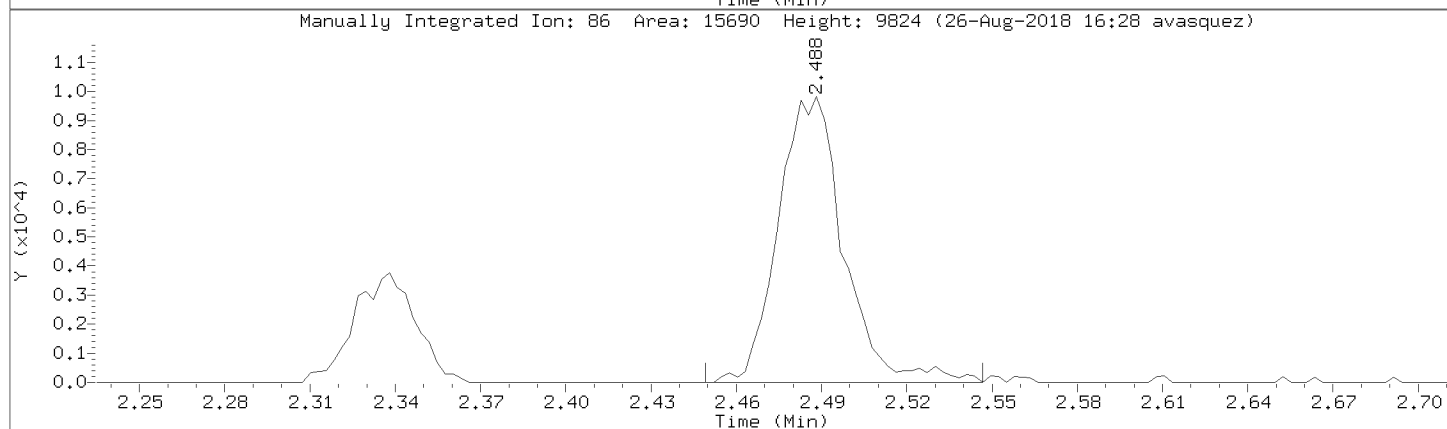
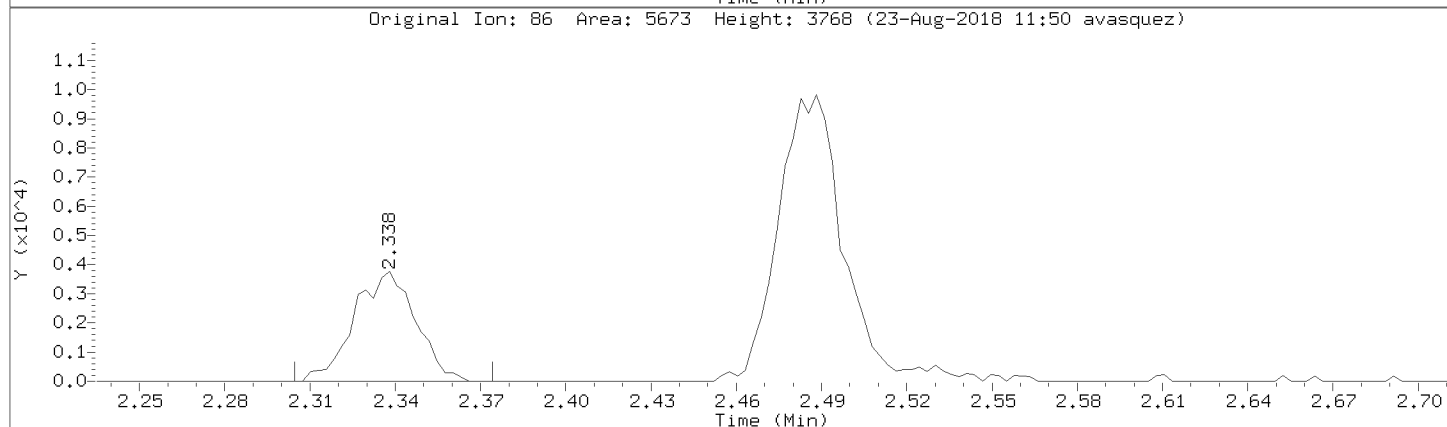
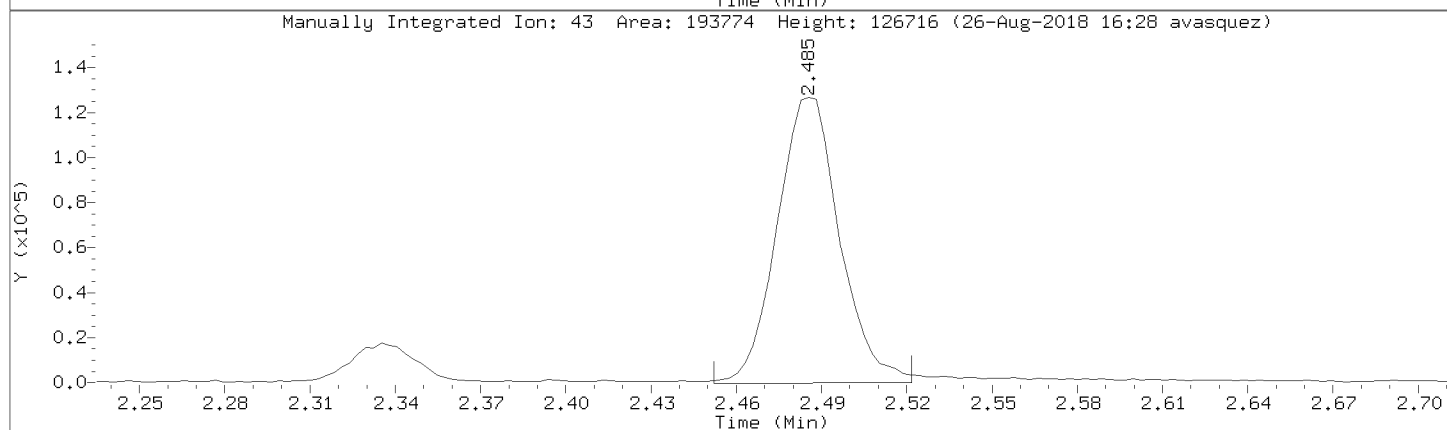
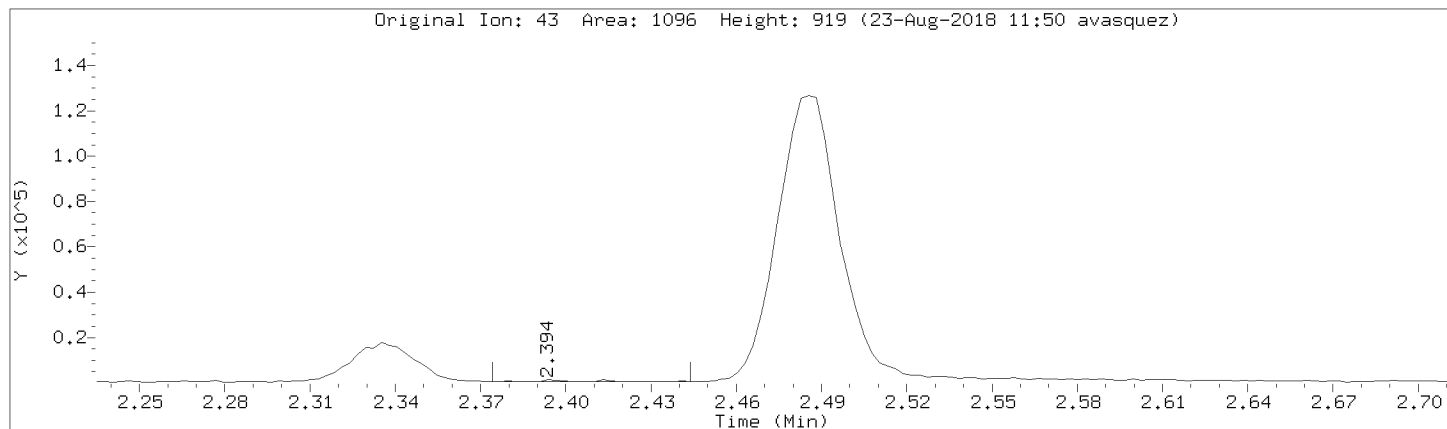
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

Compound: Vinyl Acetate

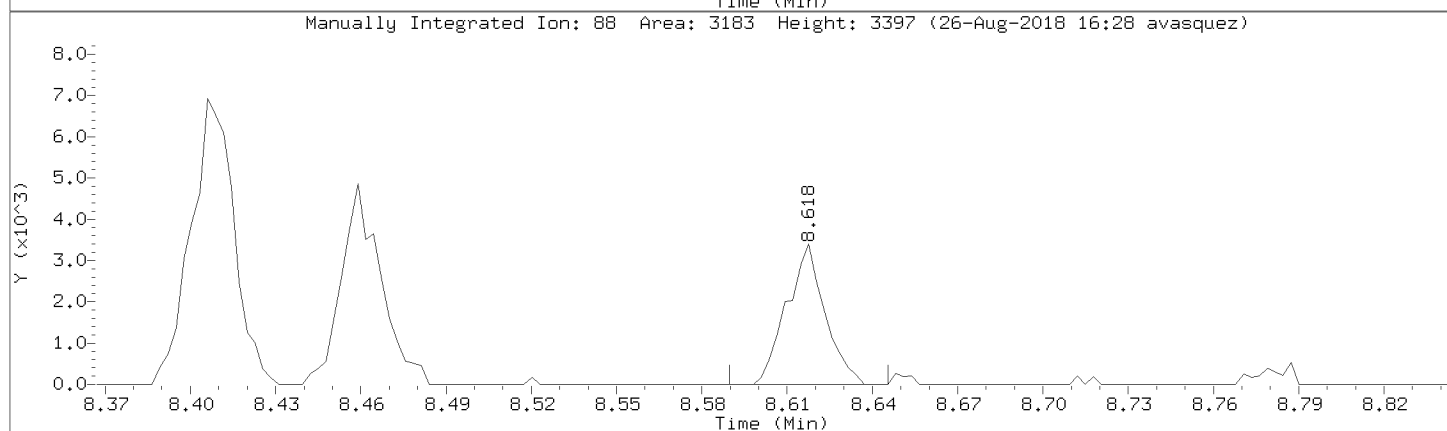
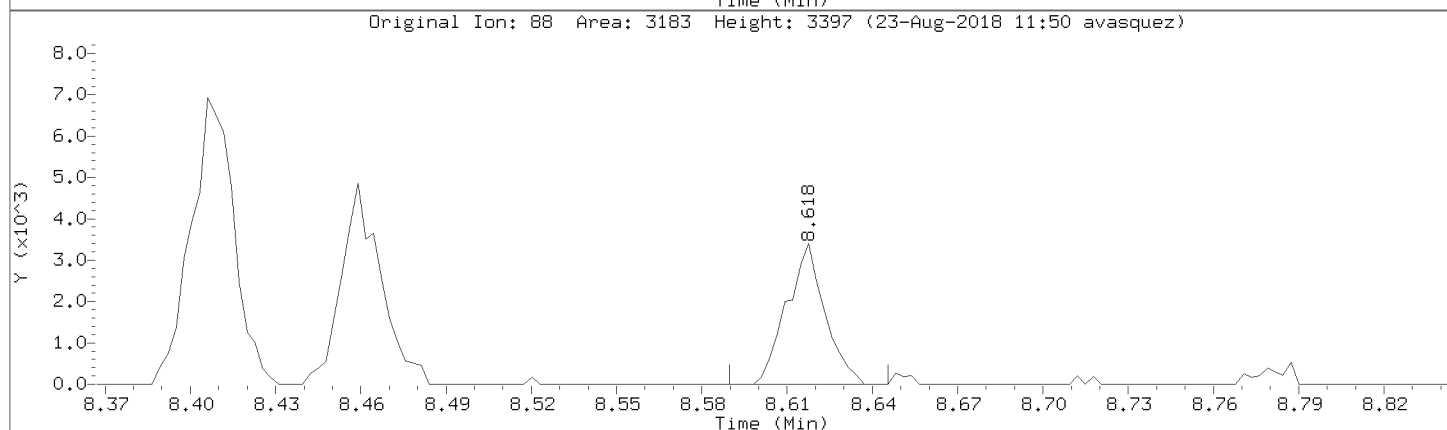
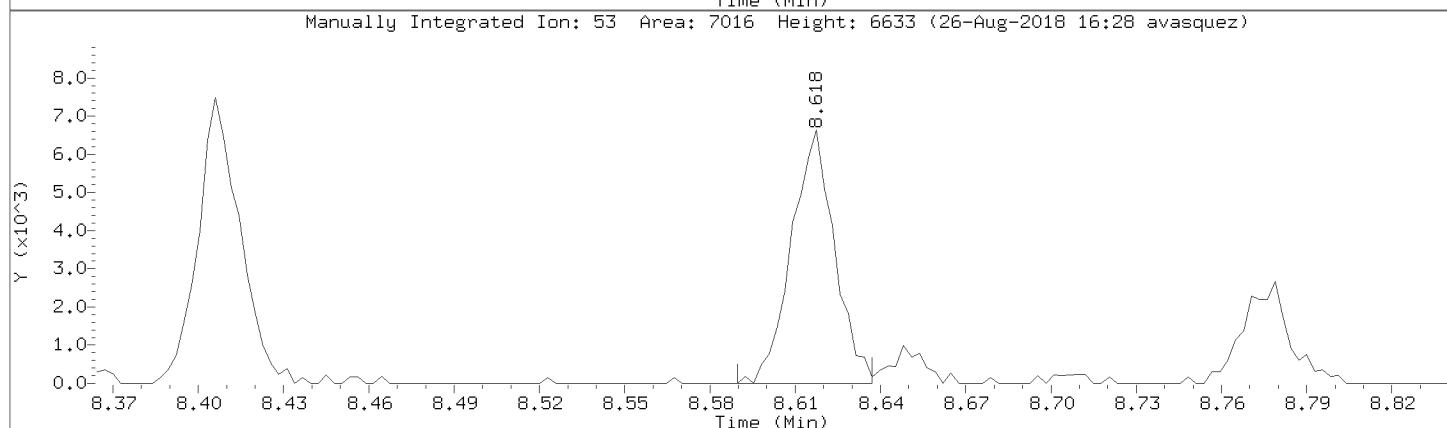
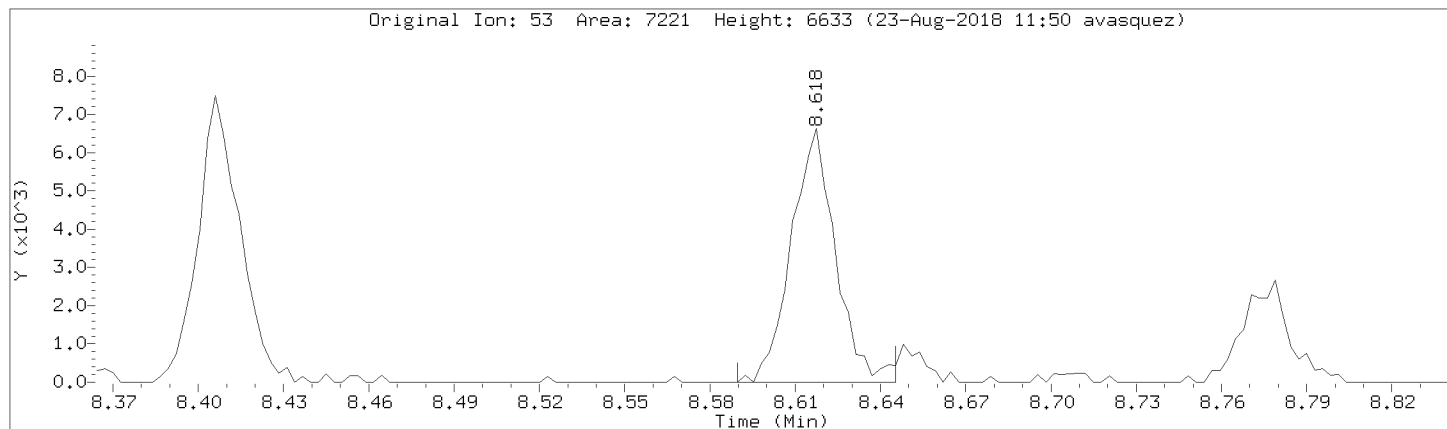
Review Code: WP

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:

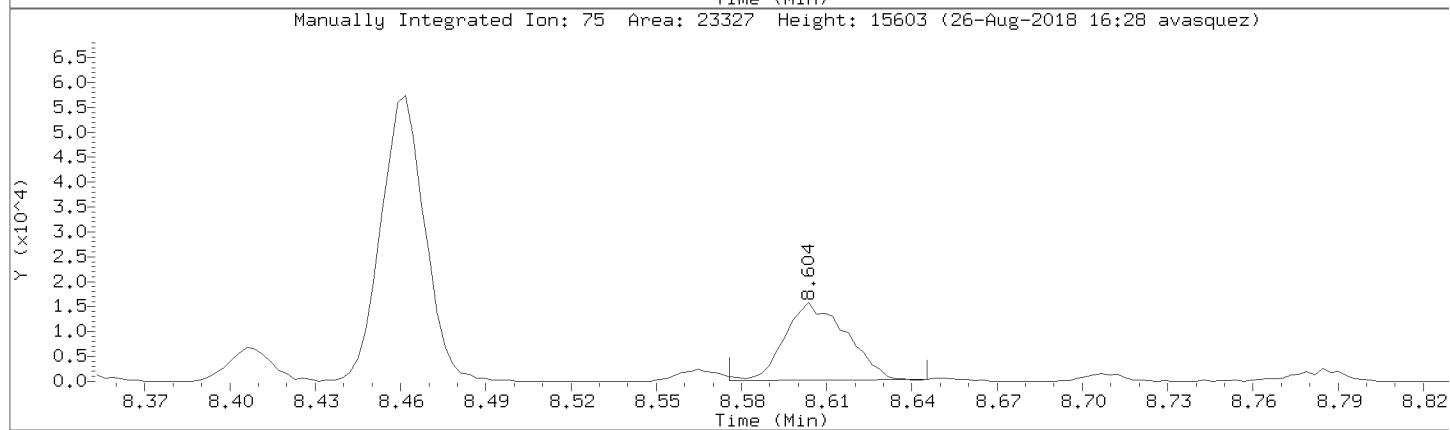
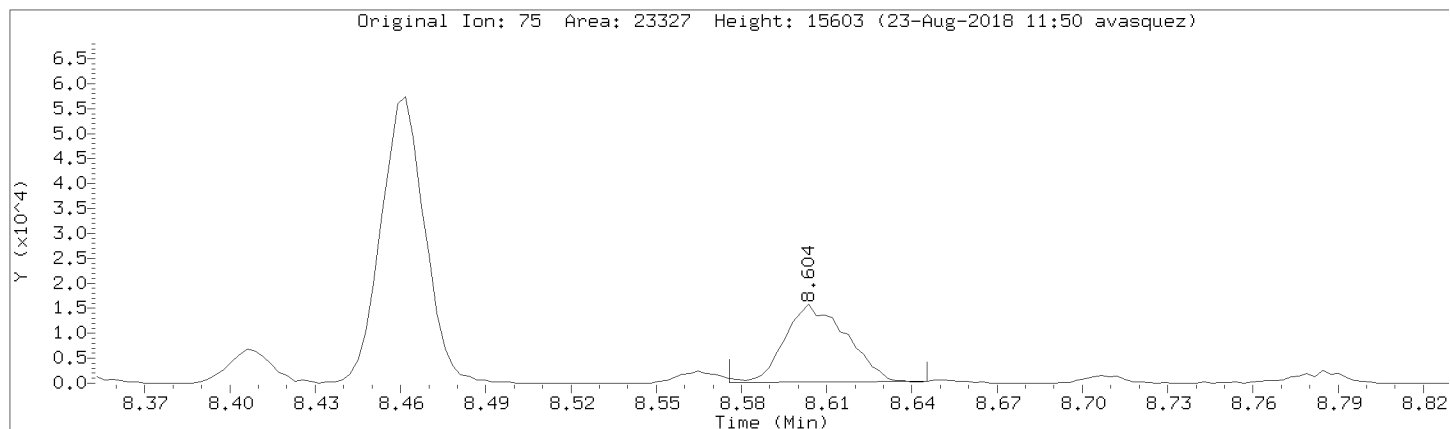


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Injection Date: 22-AUG-2018 16:29

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

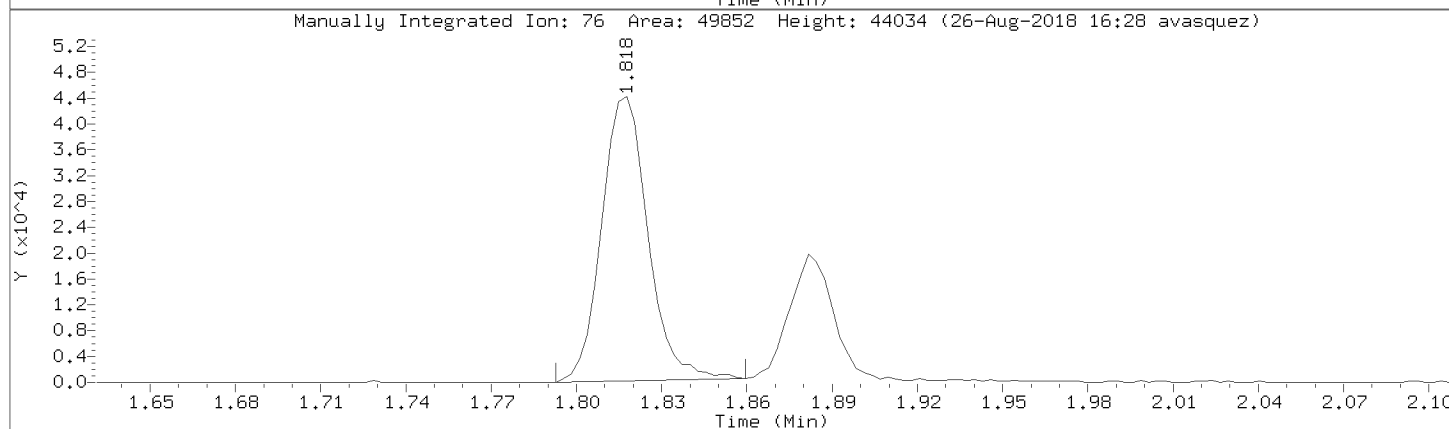
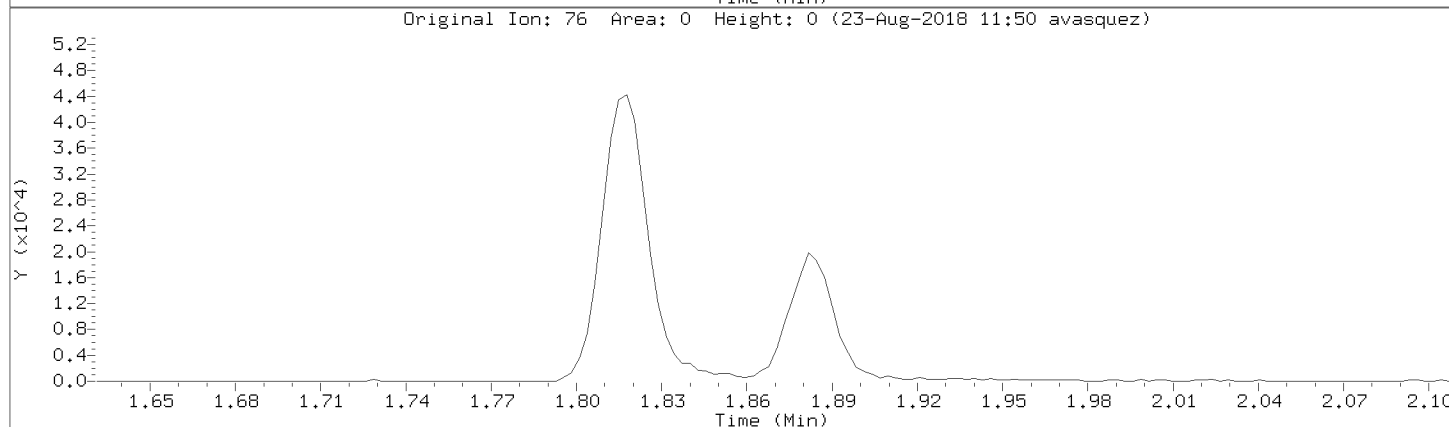
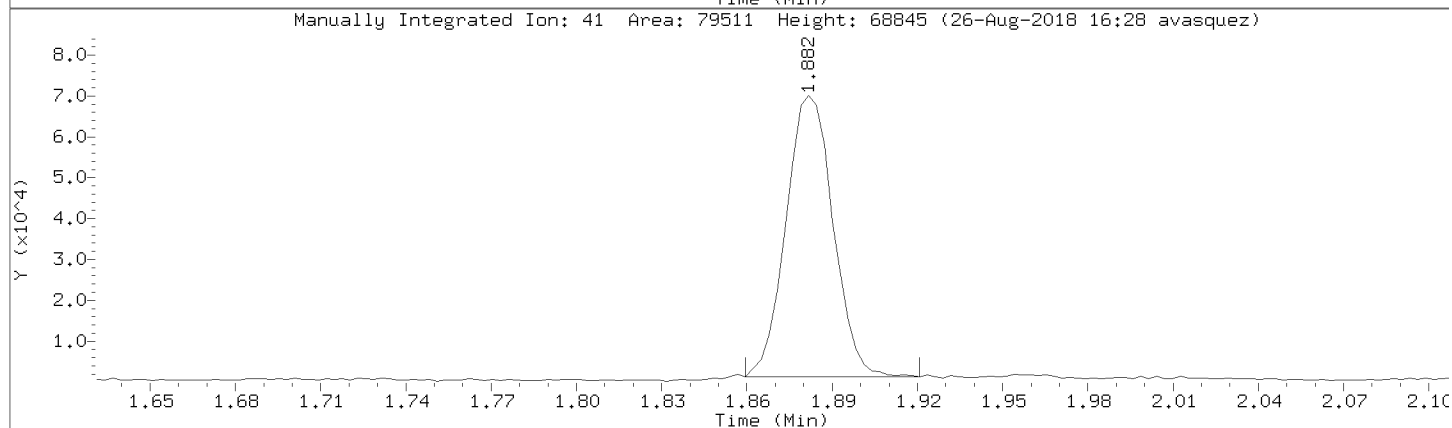
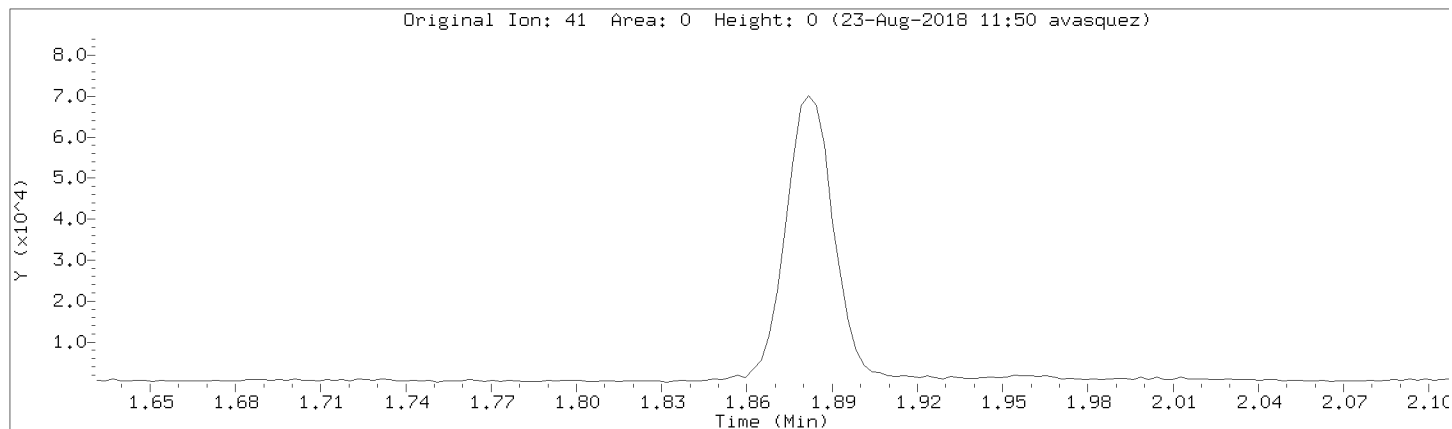
Instrument: 50mv2a.i

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

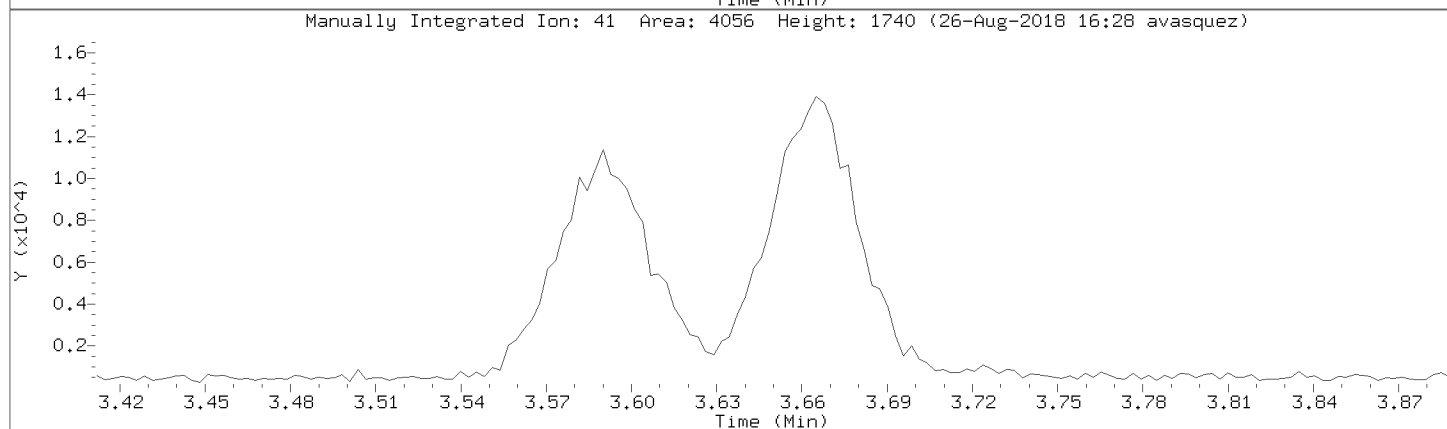
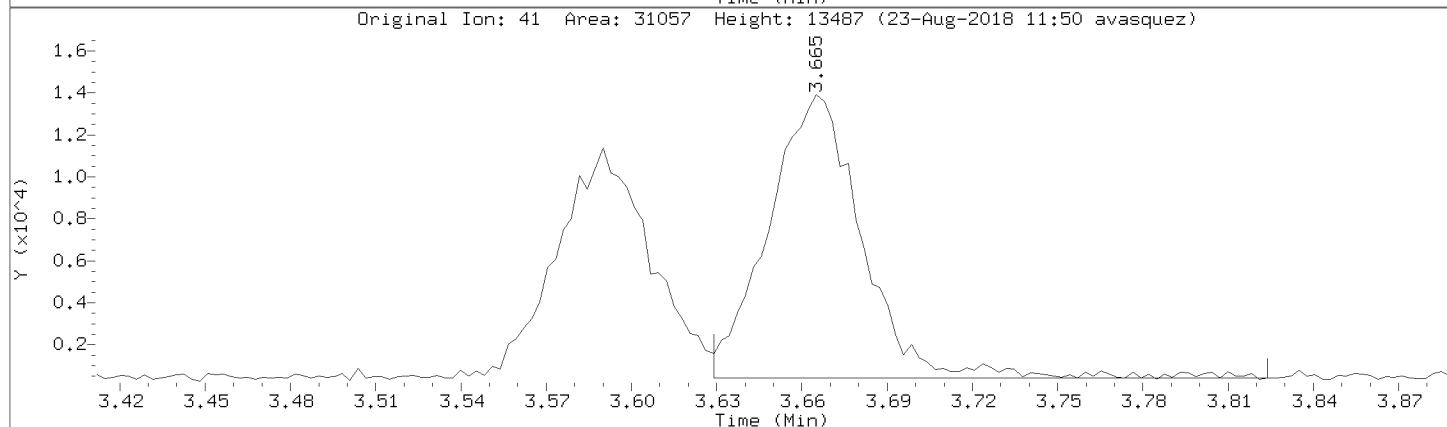
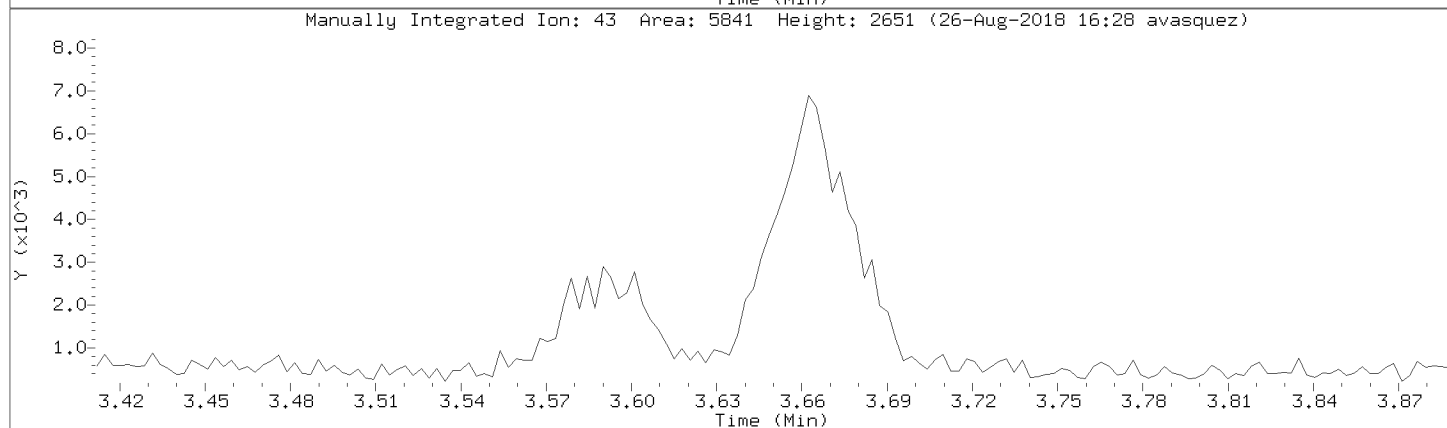
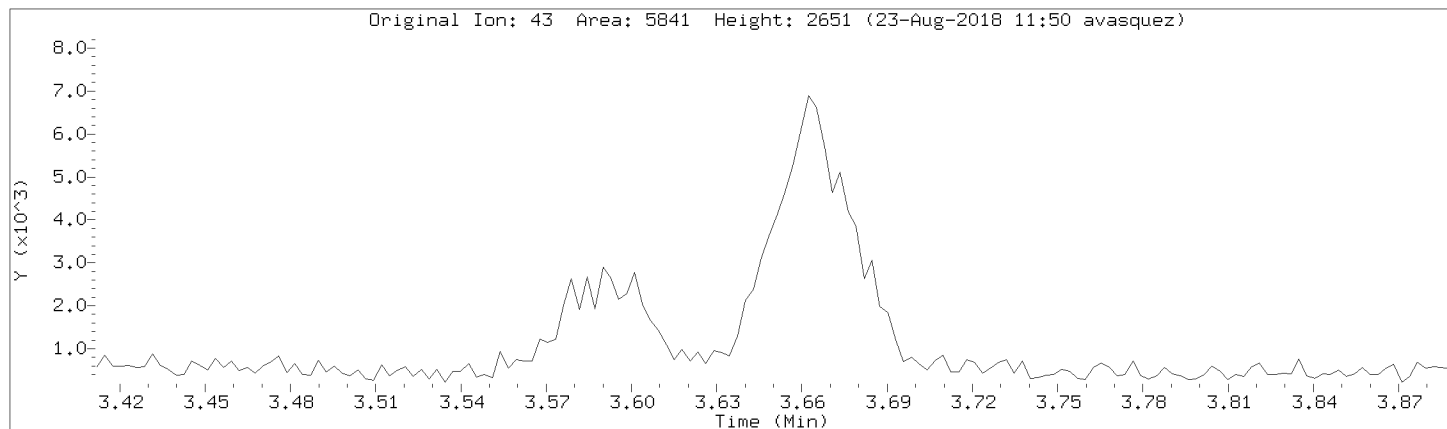
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

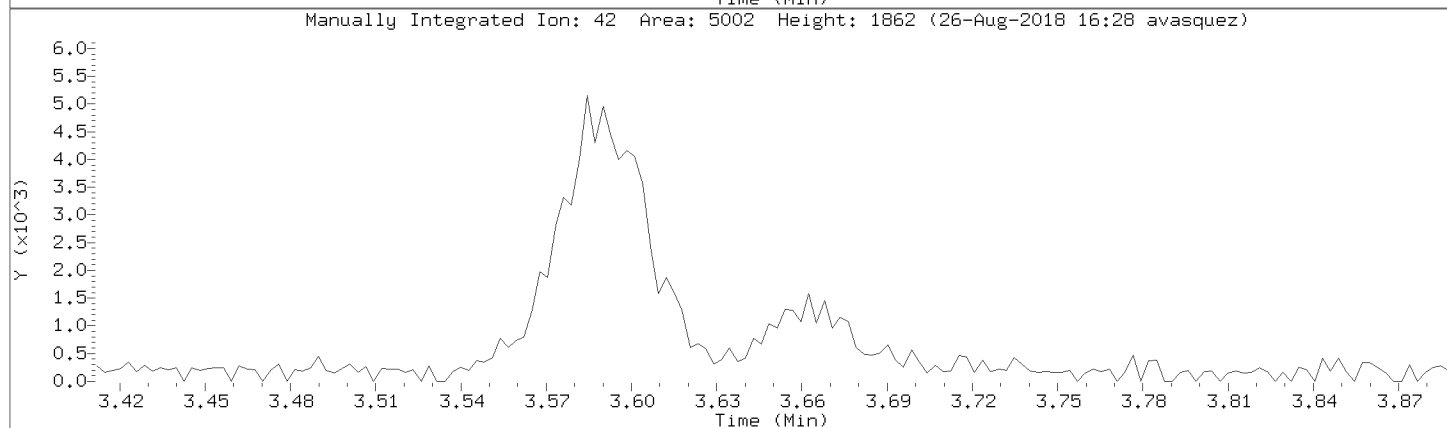
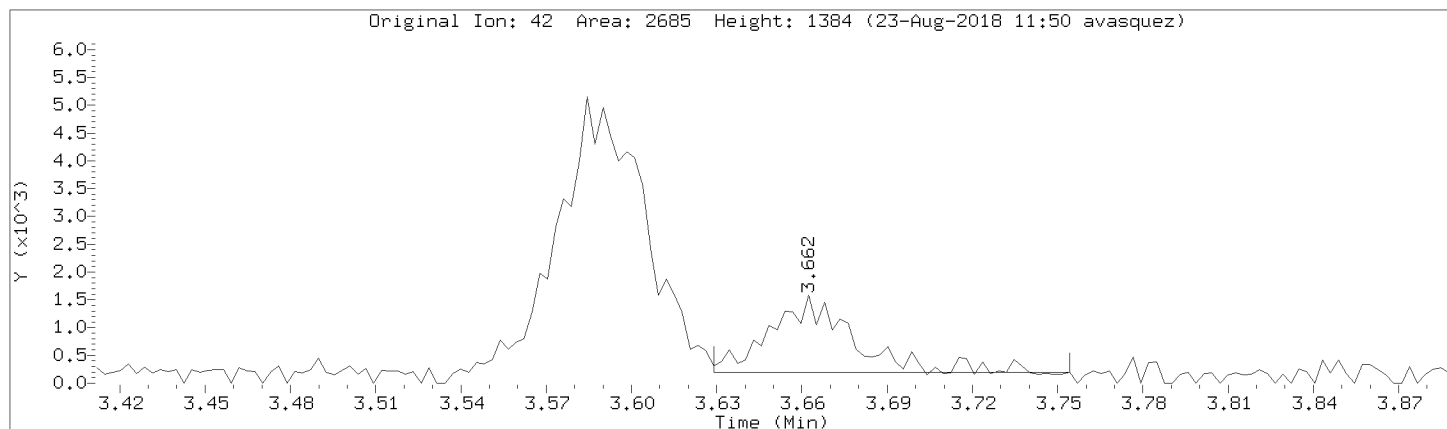
Compound: Isobutyl alcohol

Review Code: NI

CAS Number: 78-83-1

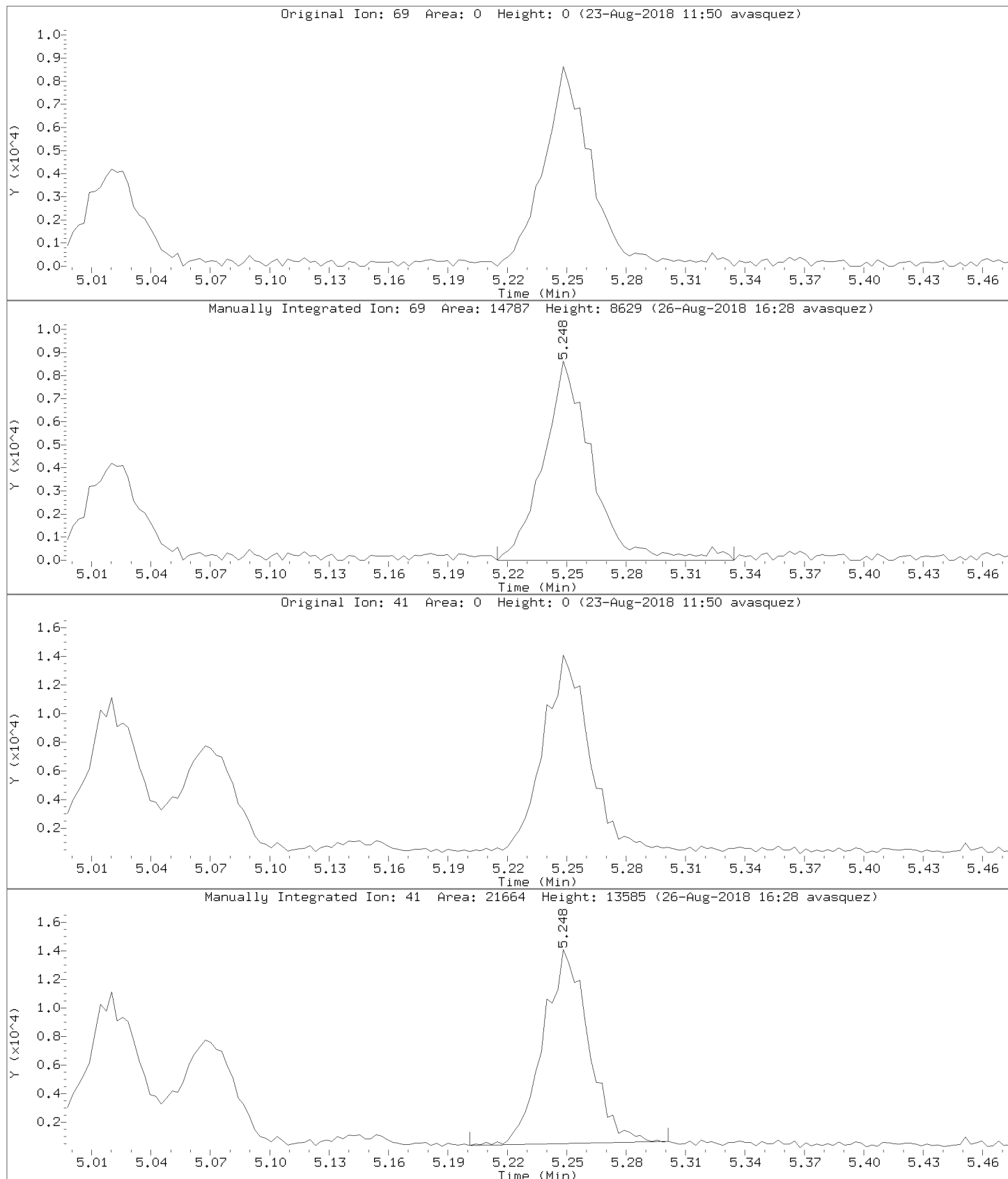


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5

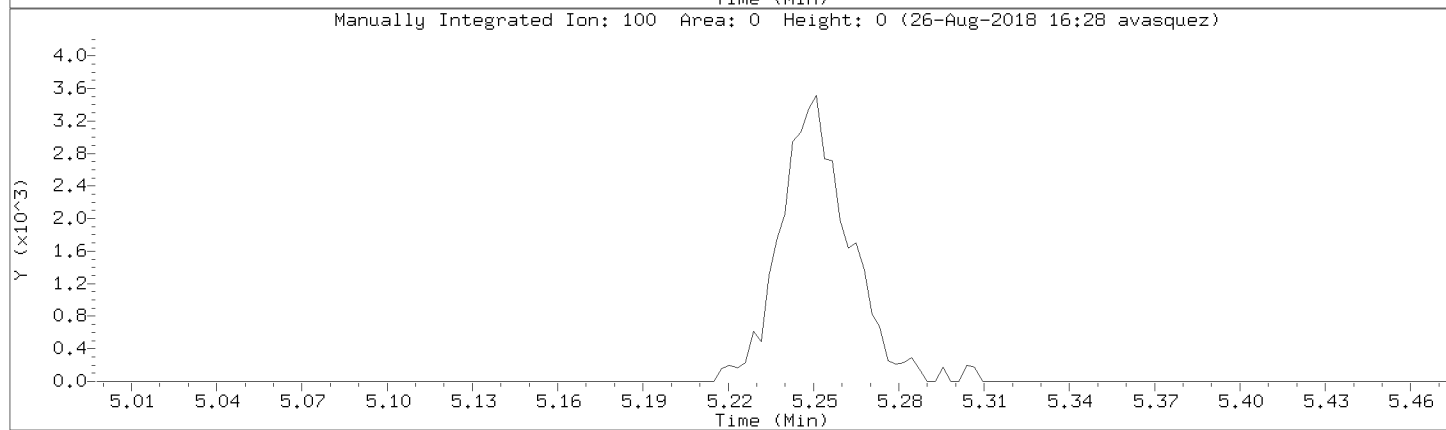
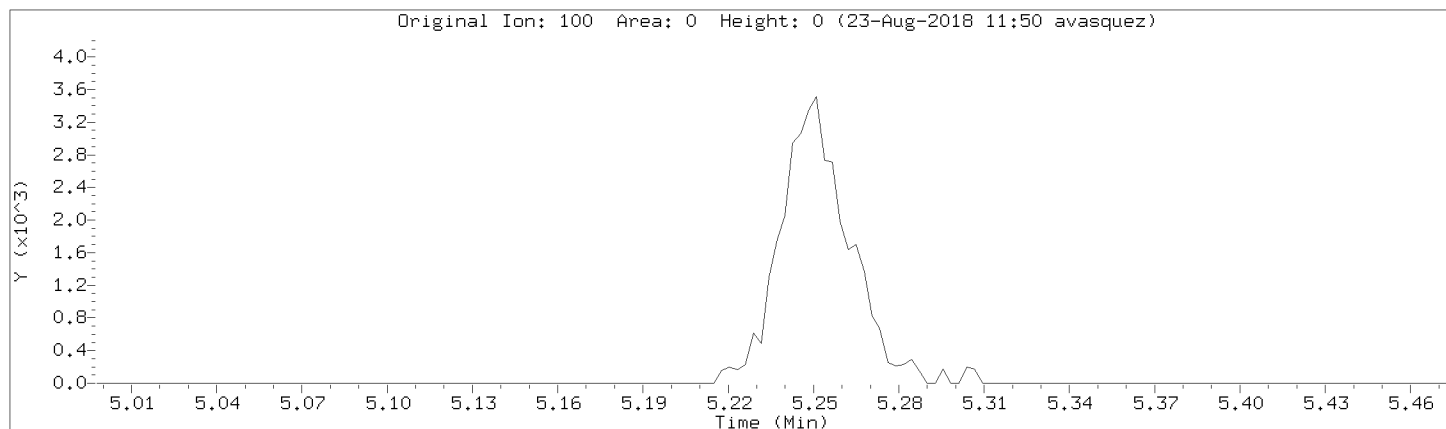


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Injection Date: 22-AUG-2018 16:29
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5

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

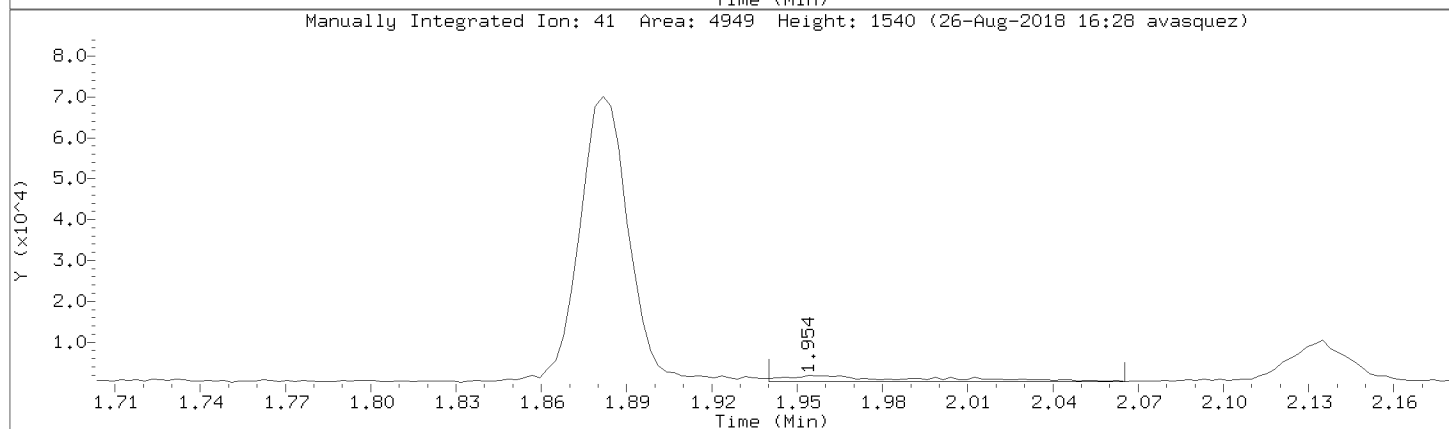
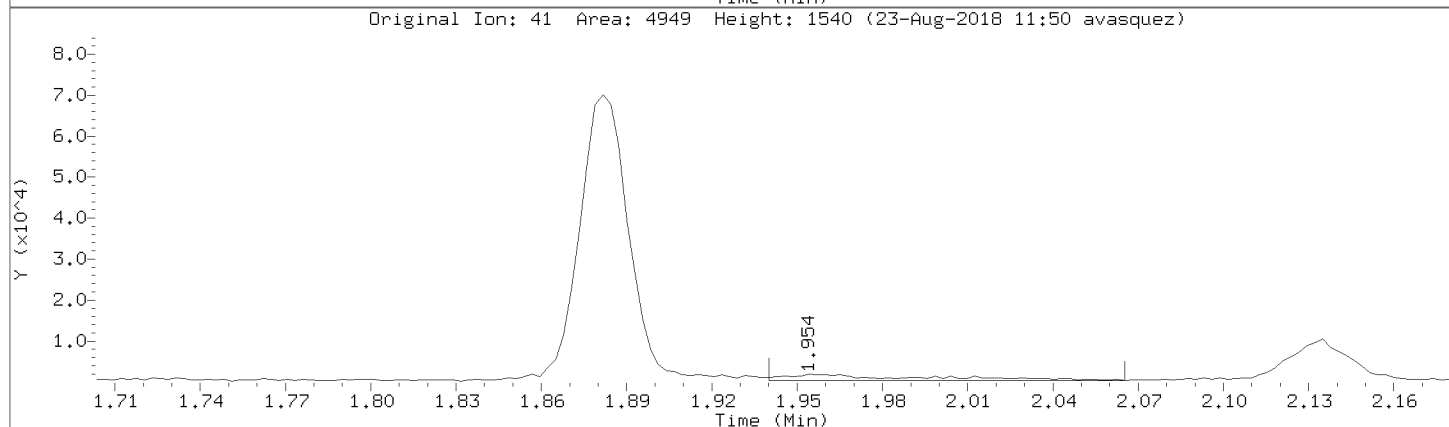
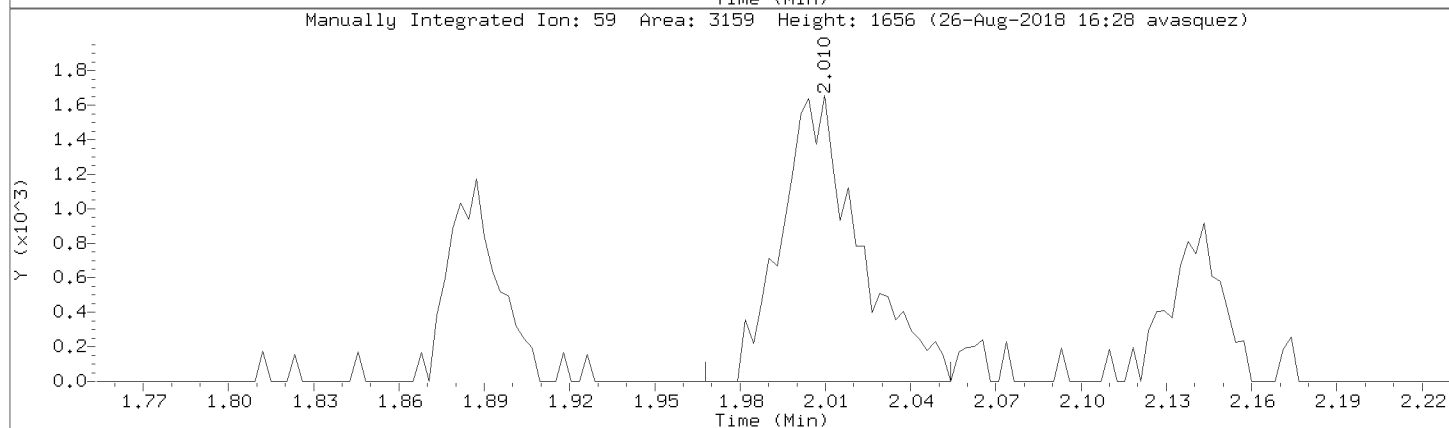
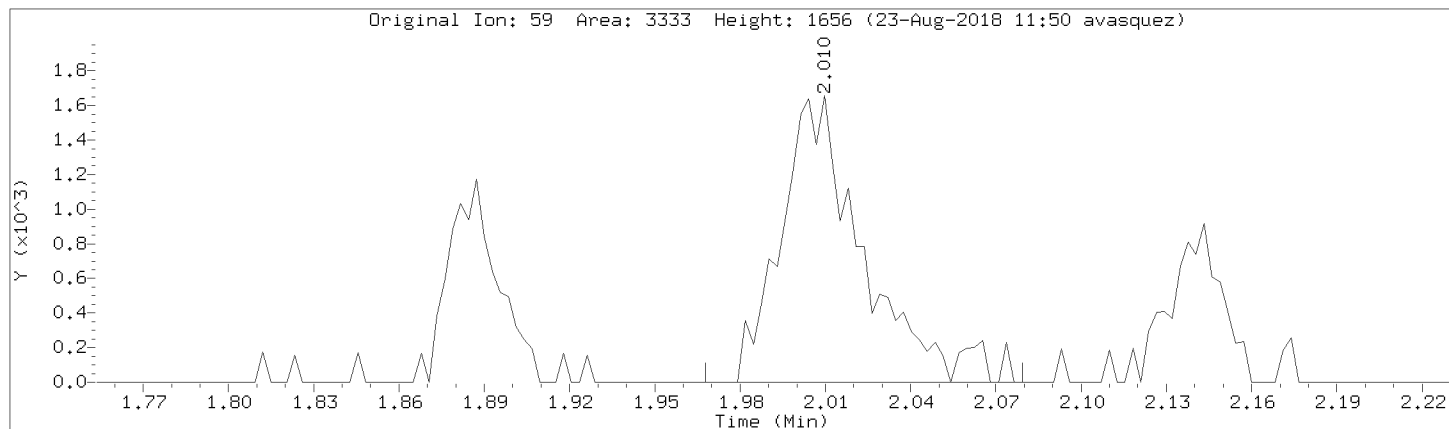
Instrument: 50mv2a.i

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\082218.b\06cal.d

Injection Date: 22-AUG-2018 16:29

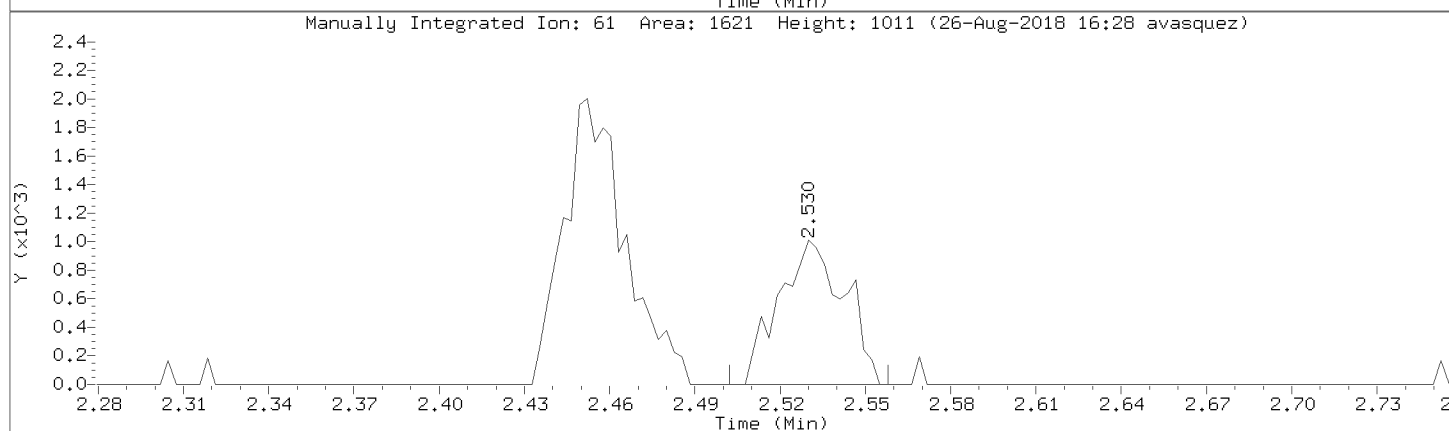
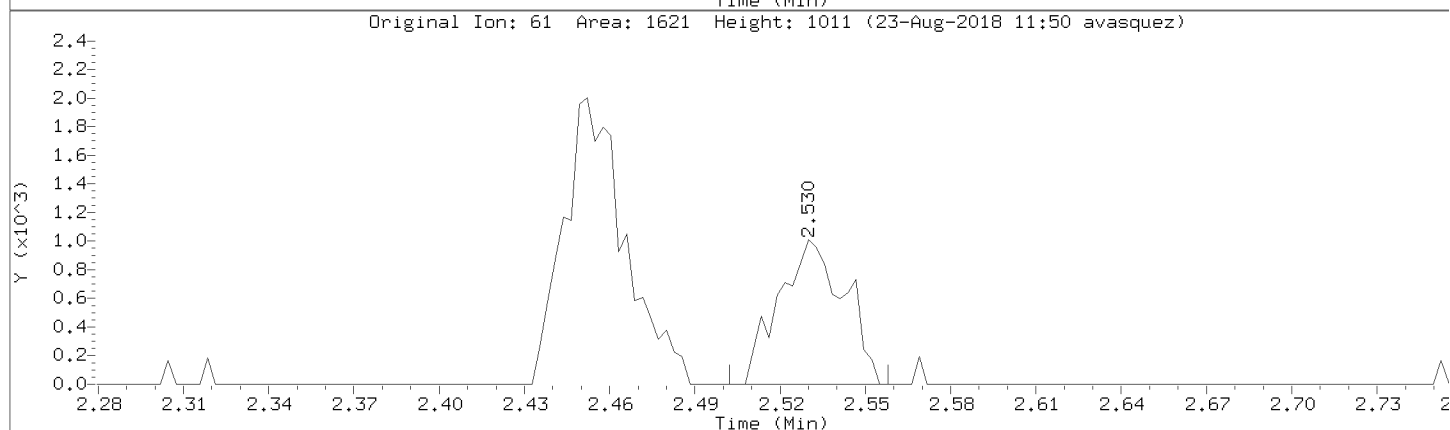
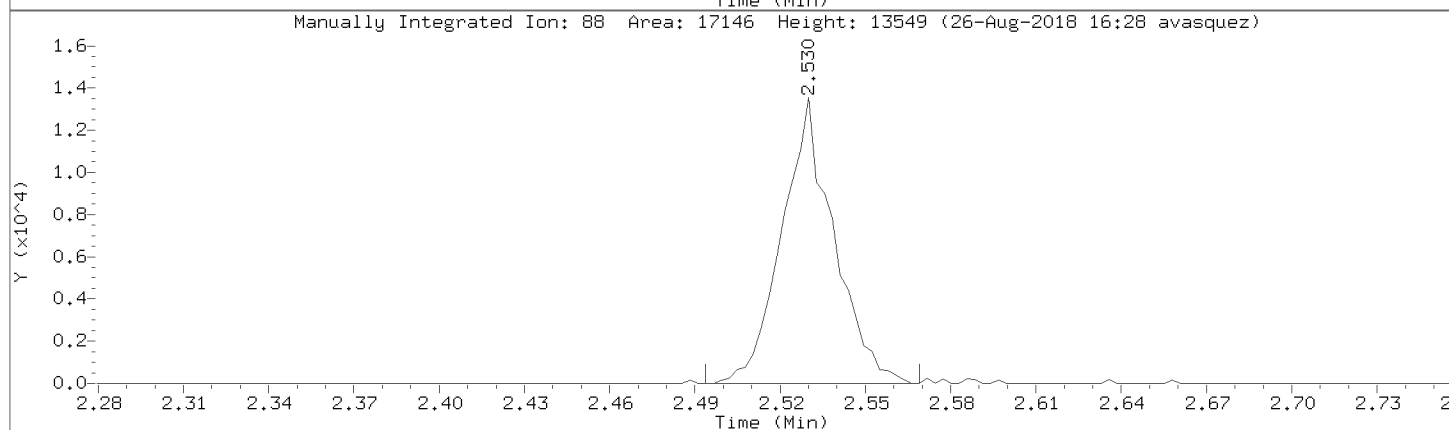
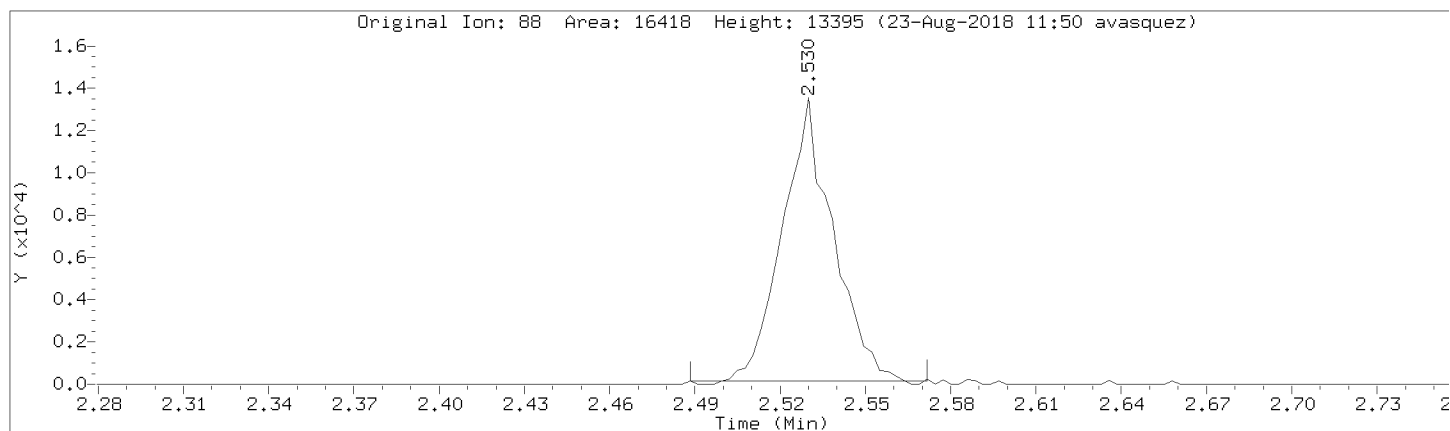
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

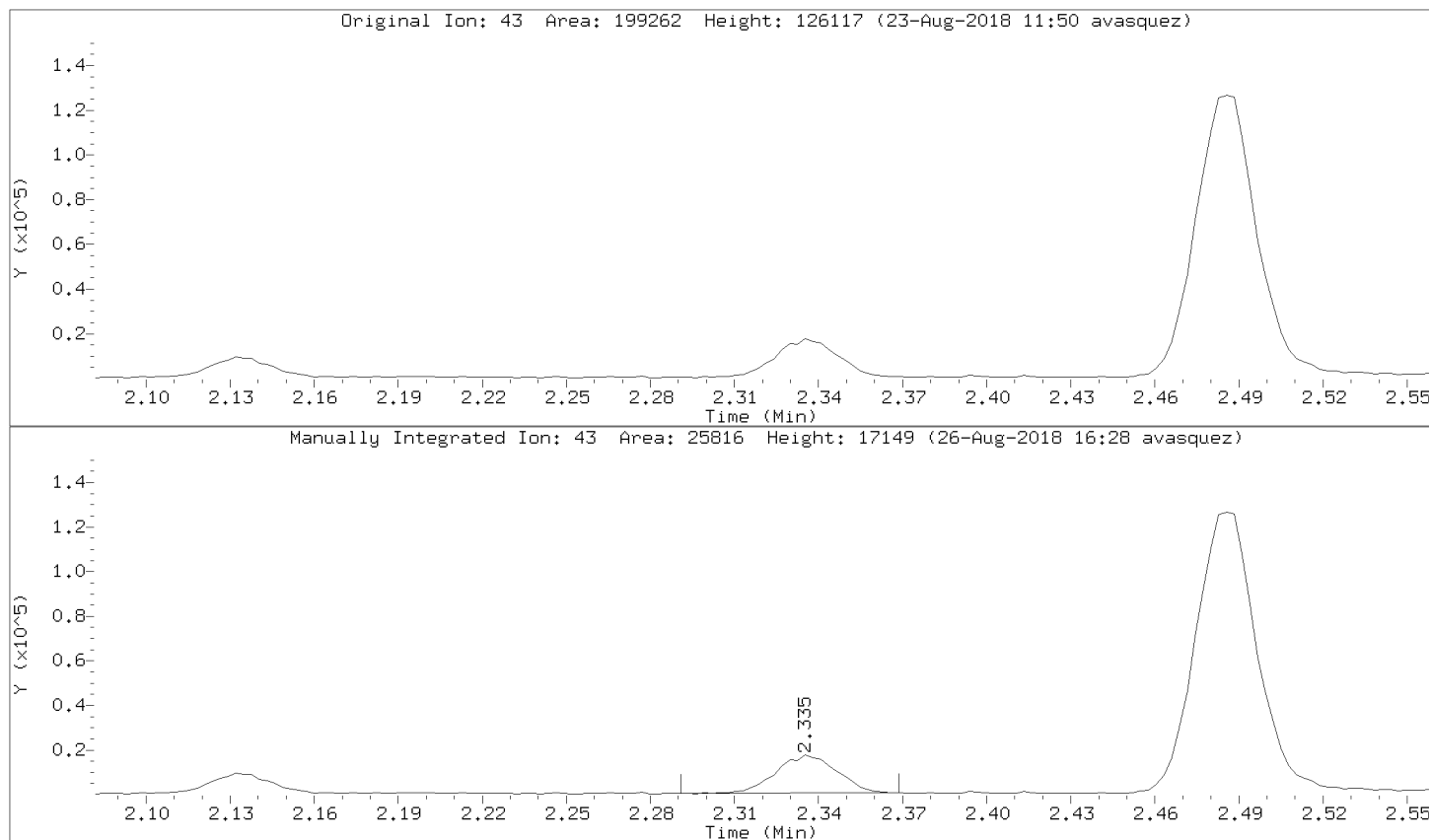
Compound: Ethyl acetate

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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Injection Date: 22-AUG-2018 16:29

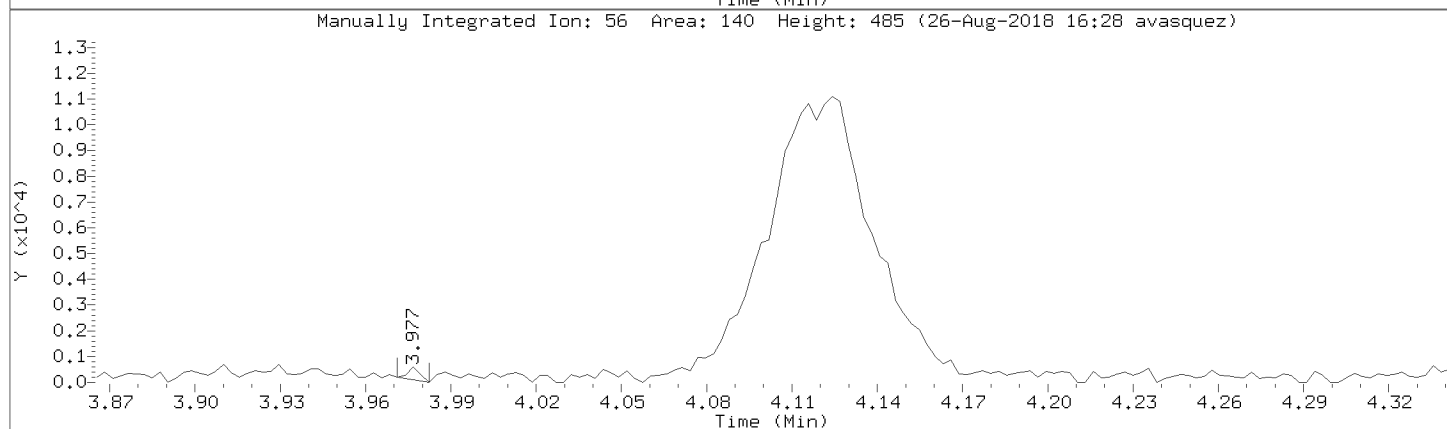
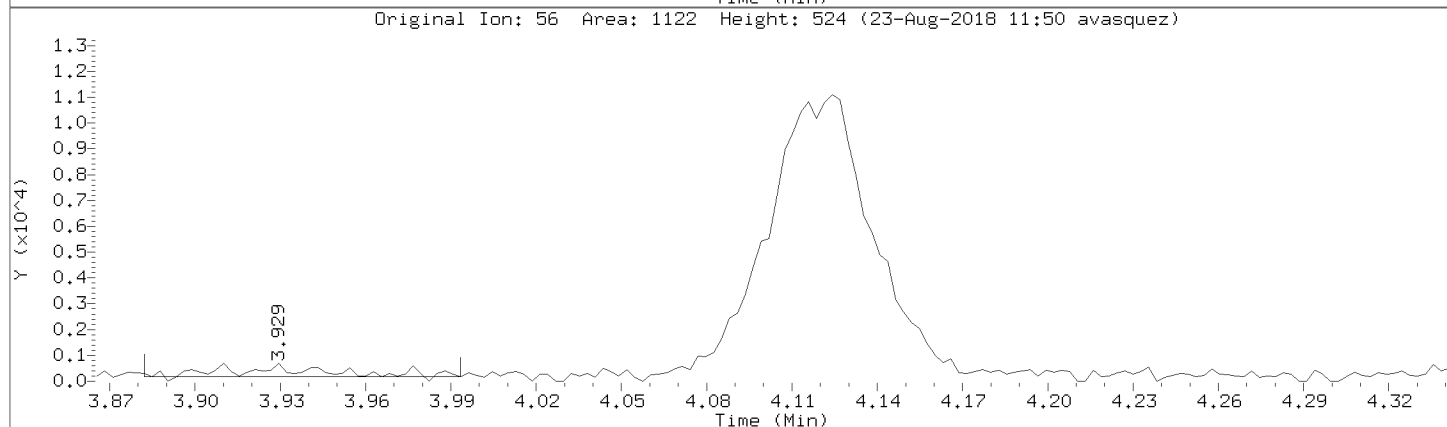
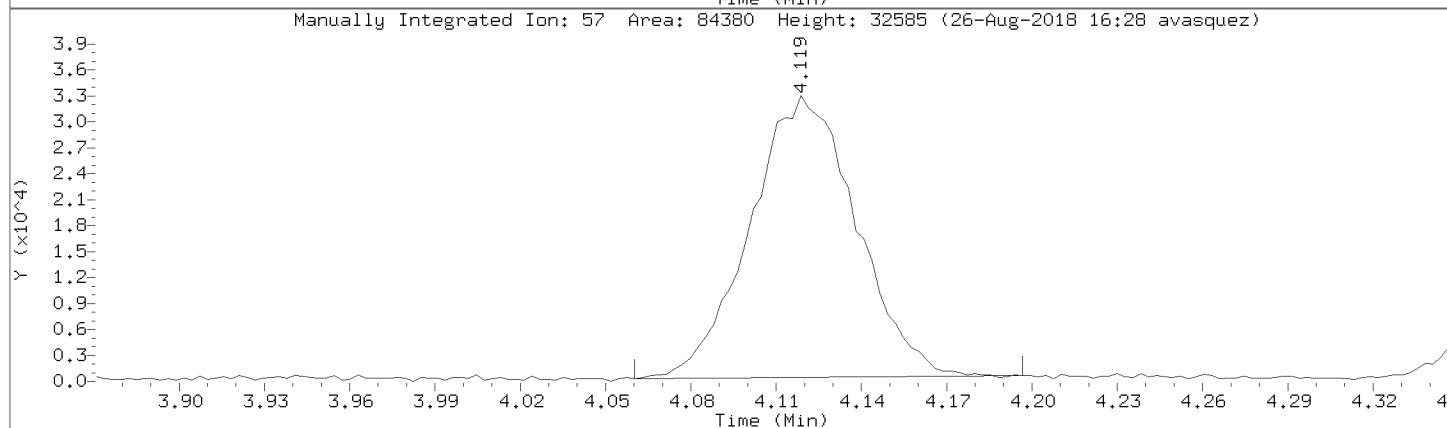
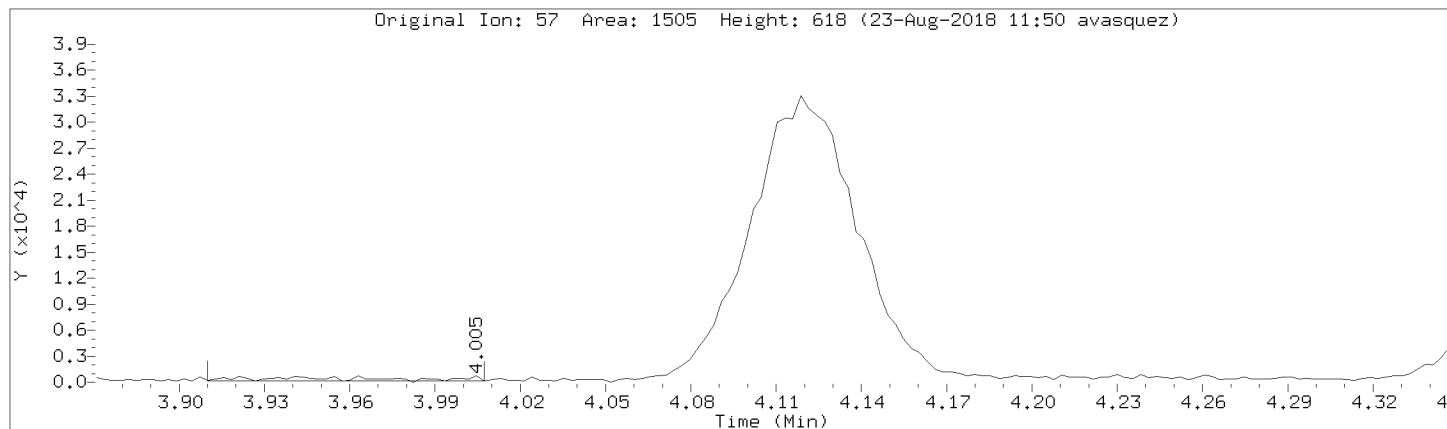
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

Compound: 2,2,4-Trimethylpentane

Review Code: NI

CAS Number: 540-84-1



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Injection Date: 22-AUG-2018 16:29

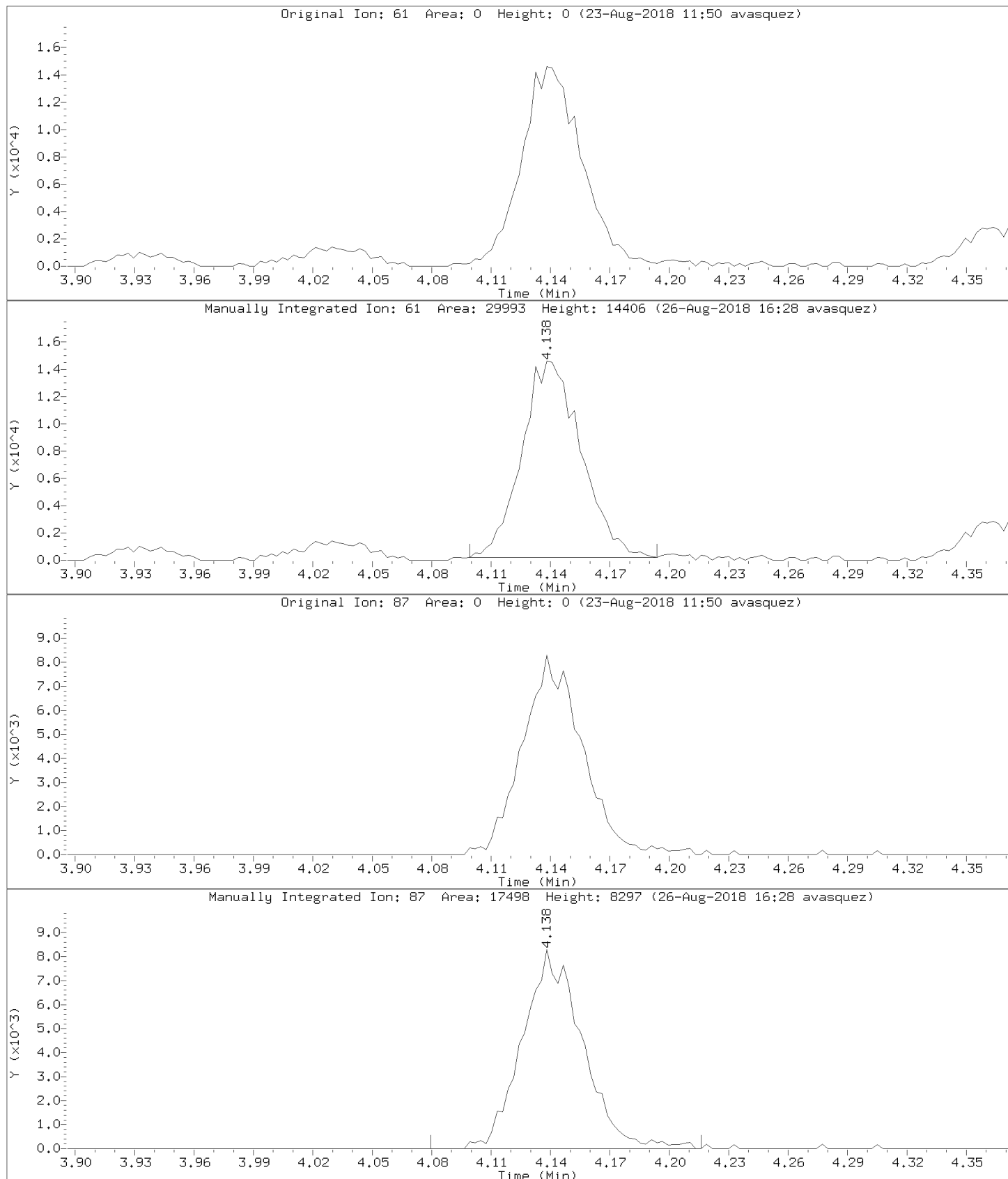
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL5

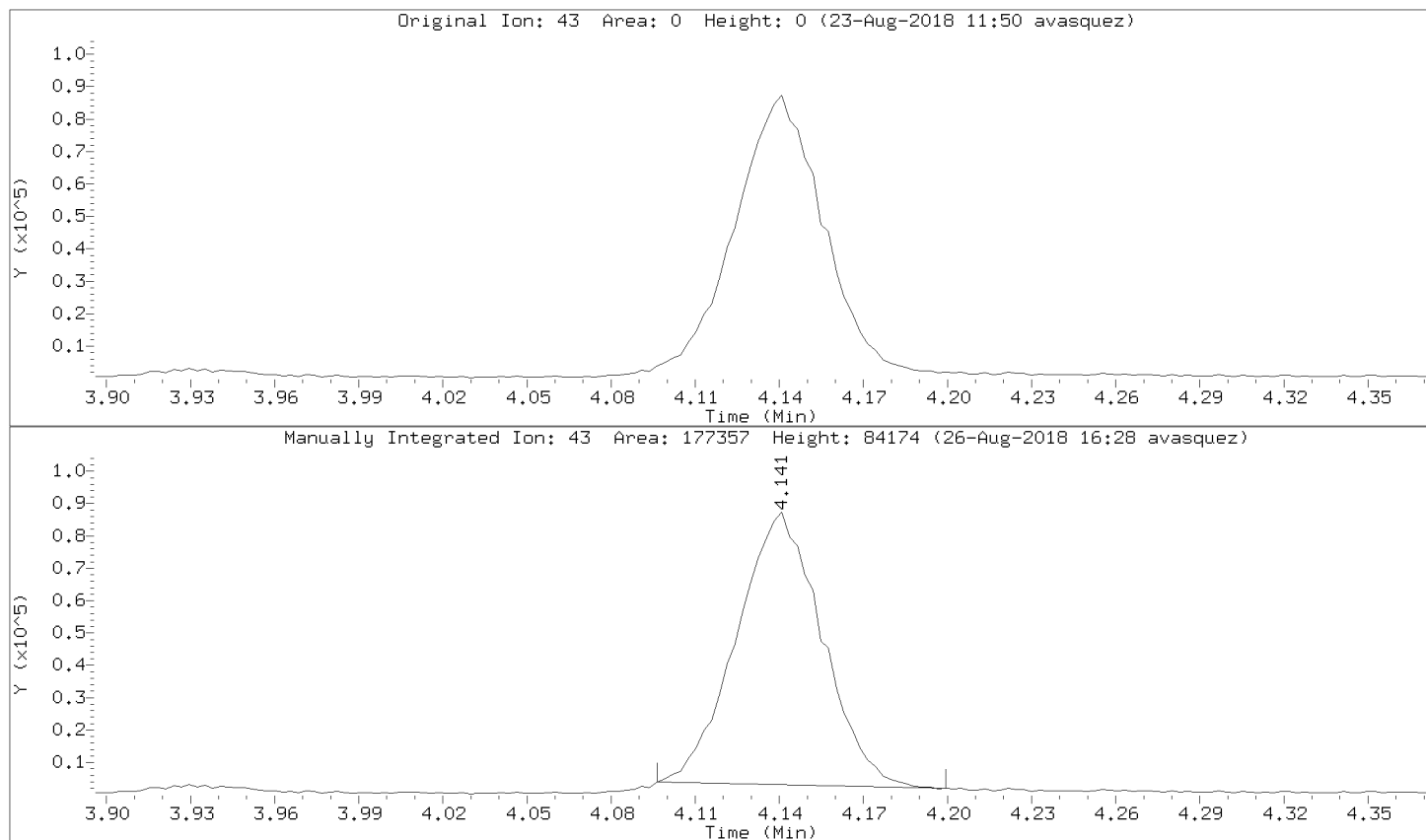
Compound: isopropyl acetate

Review Code: NI

CAS Number: 108-21-4

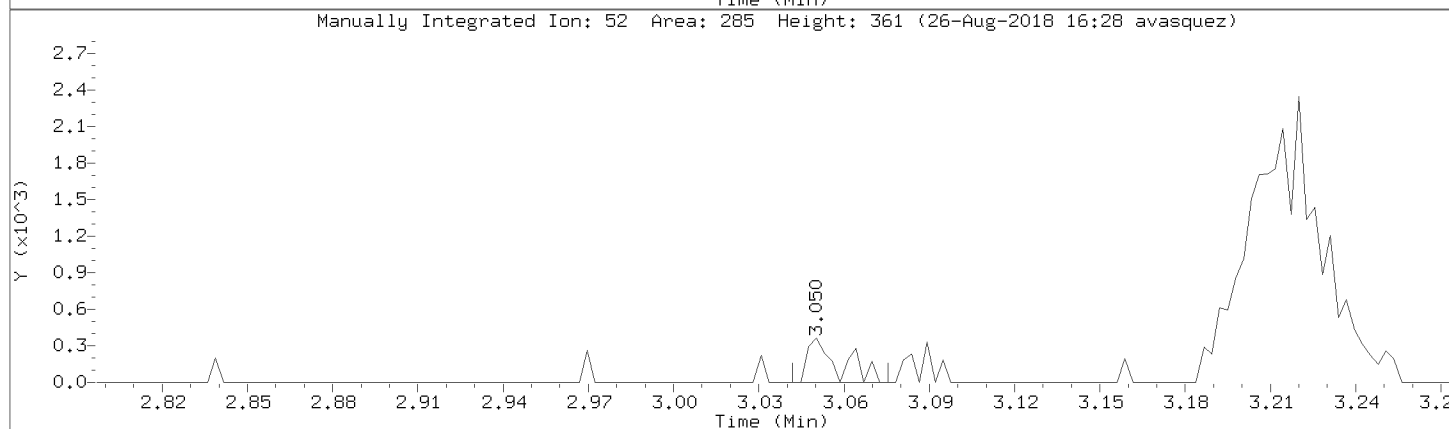
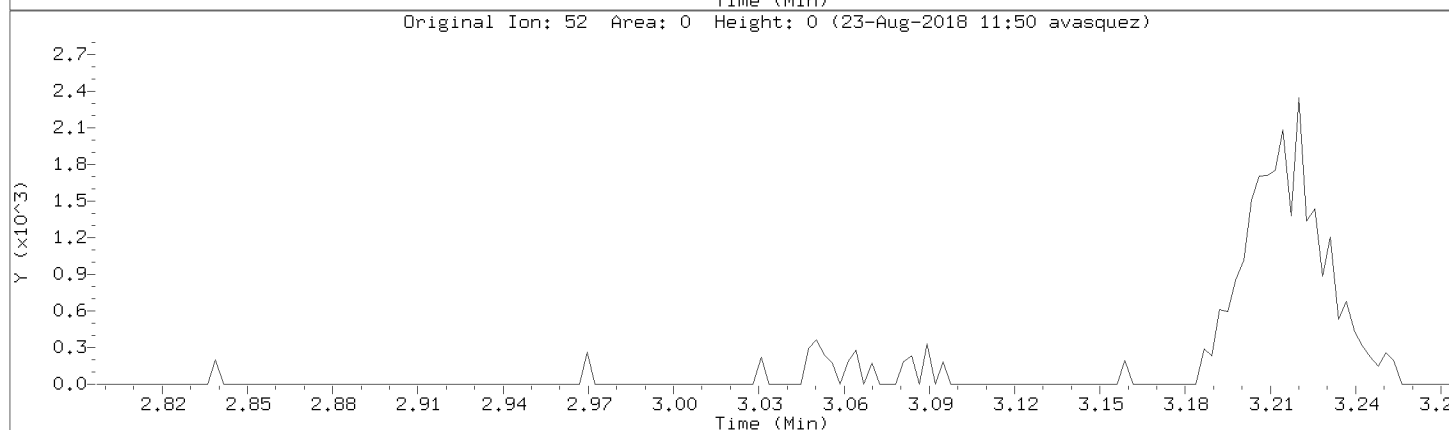
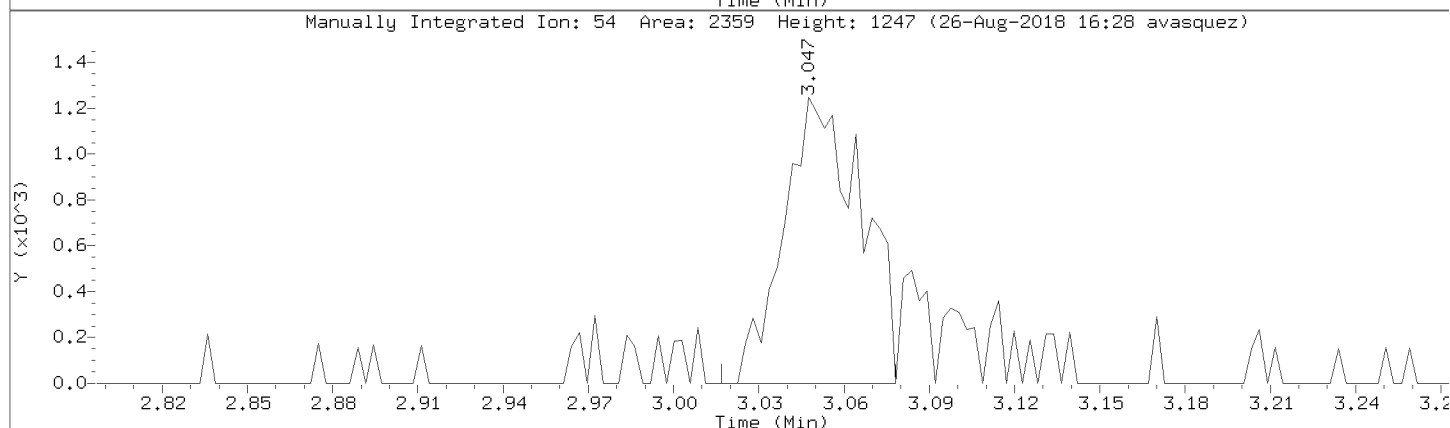
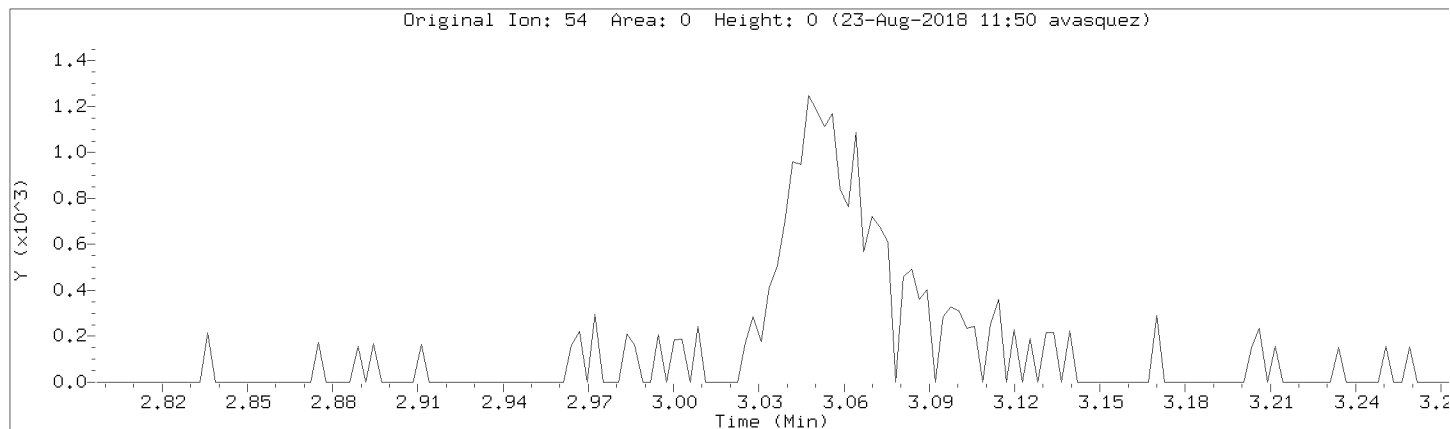


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Injection Date: 22-AUG-2018 16:29
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5

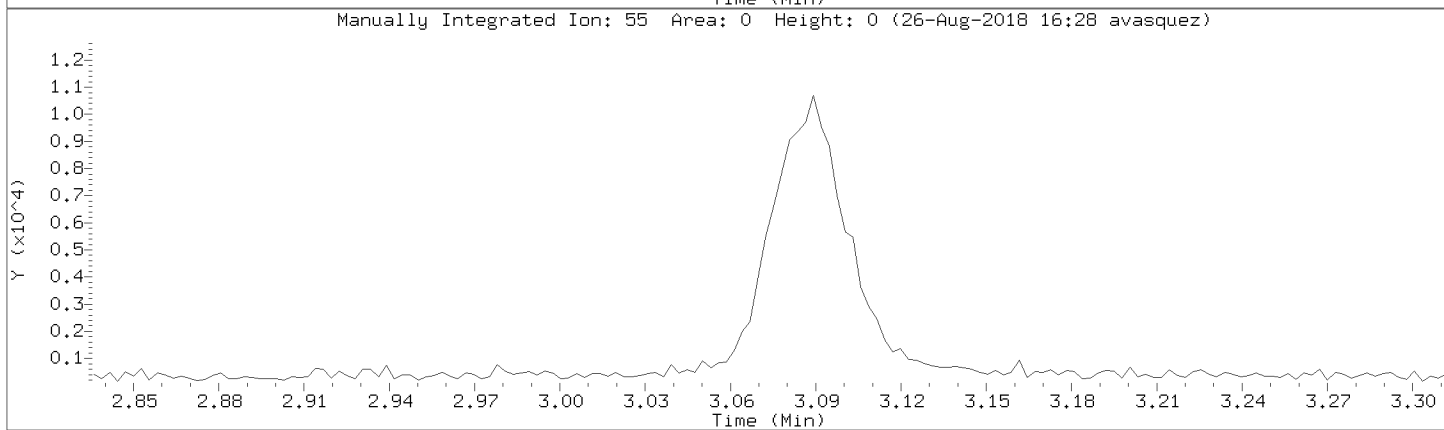
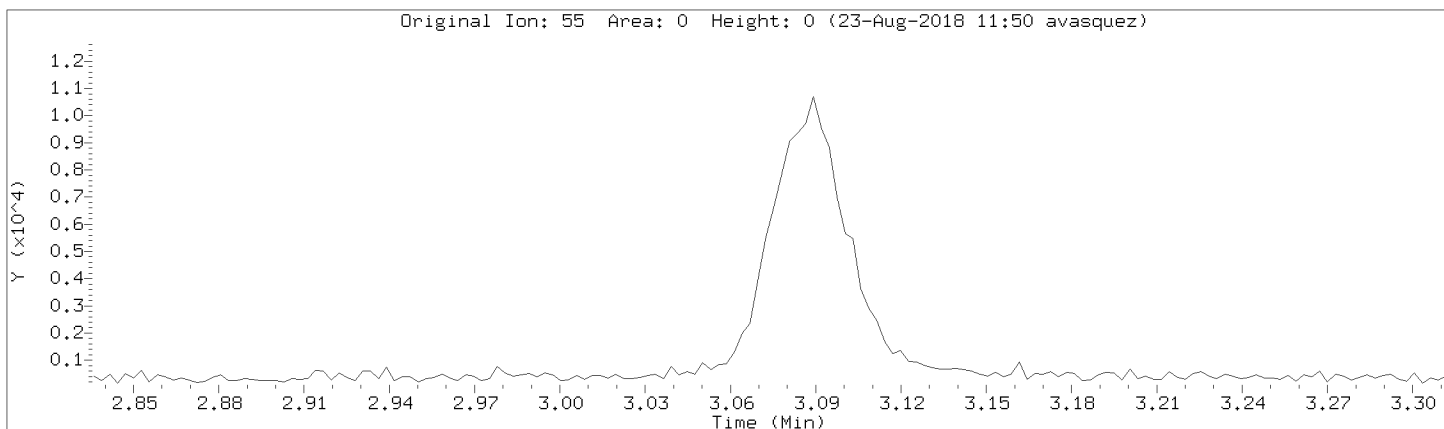


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a06cal.d
Injection Date: 22-AUG-2018 16:29
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5

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

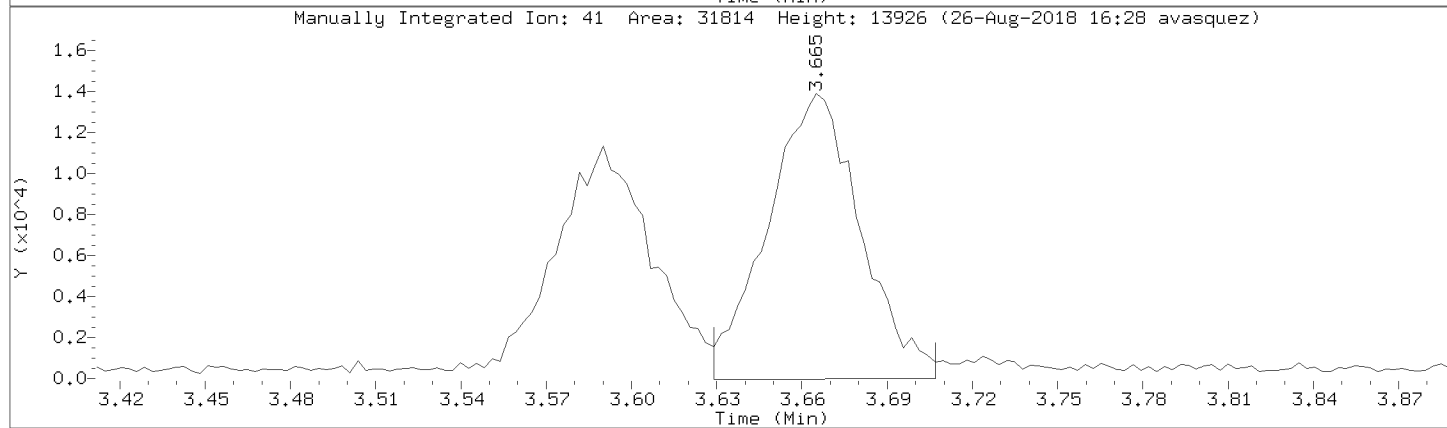
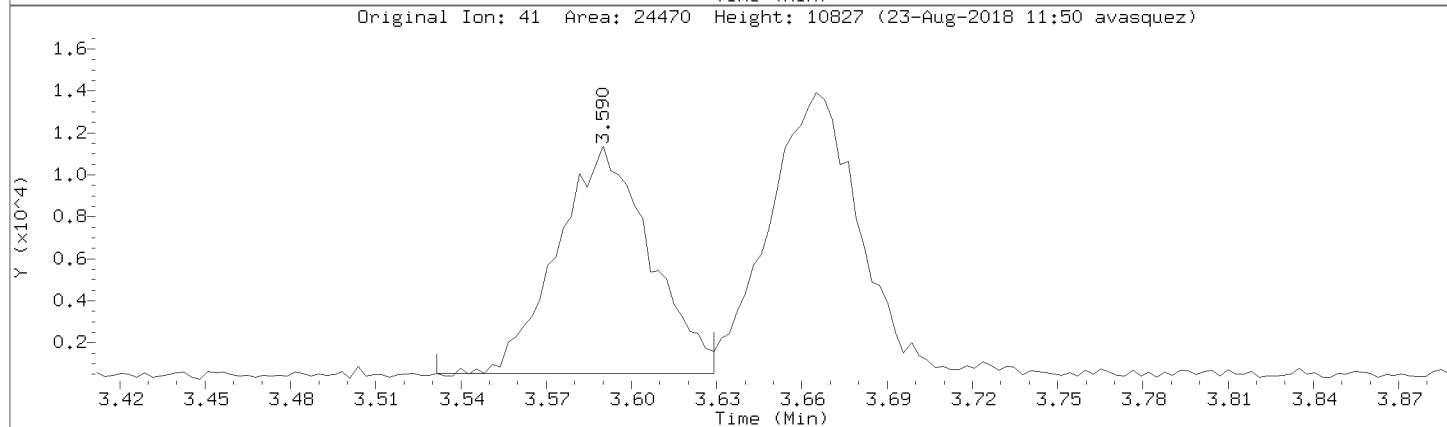
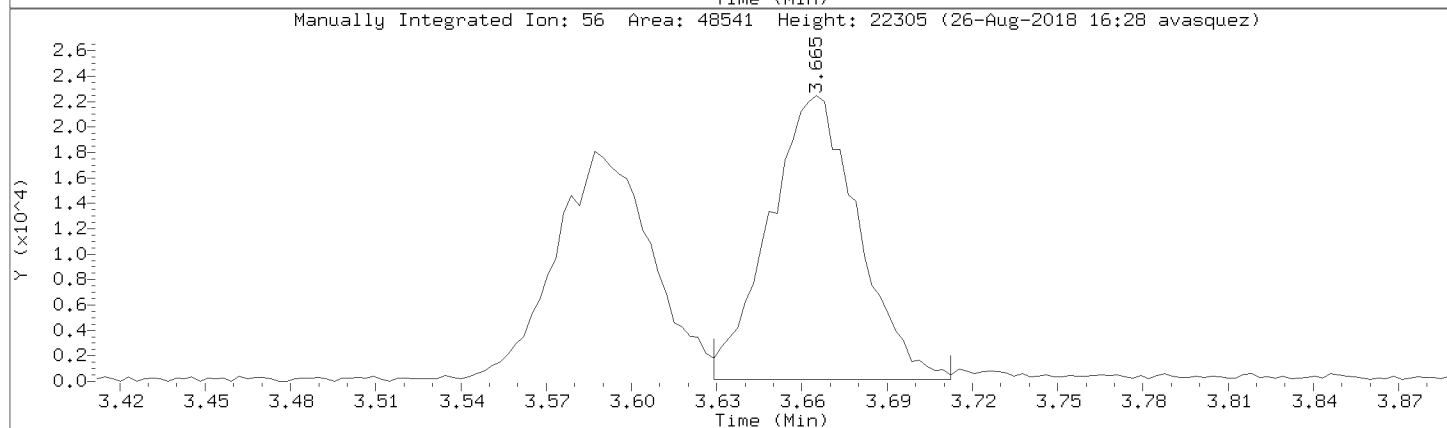
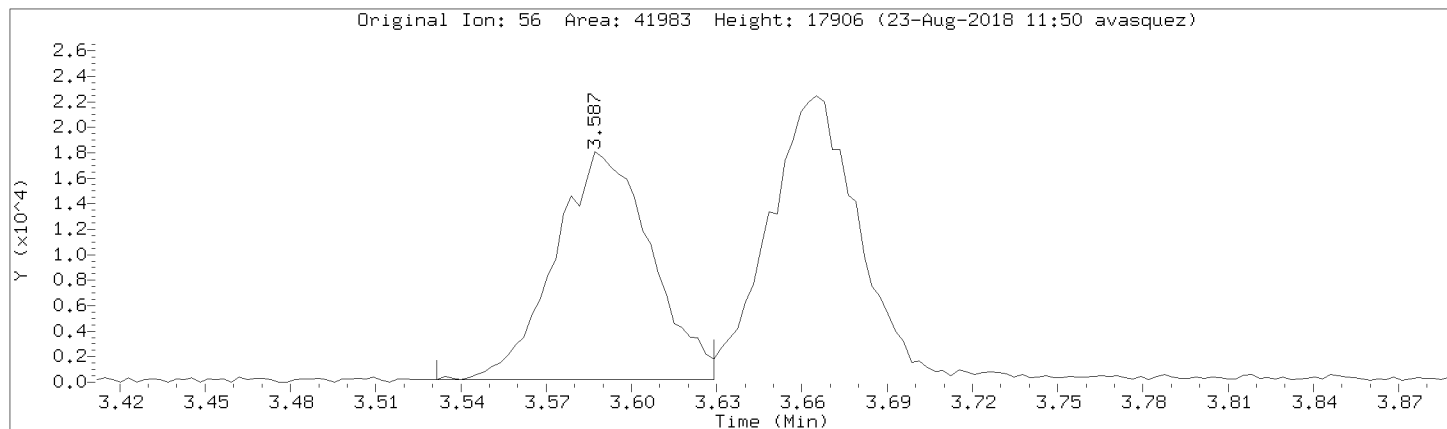
Instrument: 50mv2a.i

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
 Lab Smp Id: 8260-CAL6 Client Smp ID: 8260-CAL6
 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.

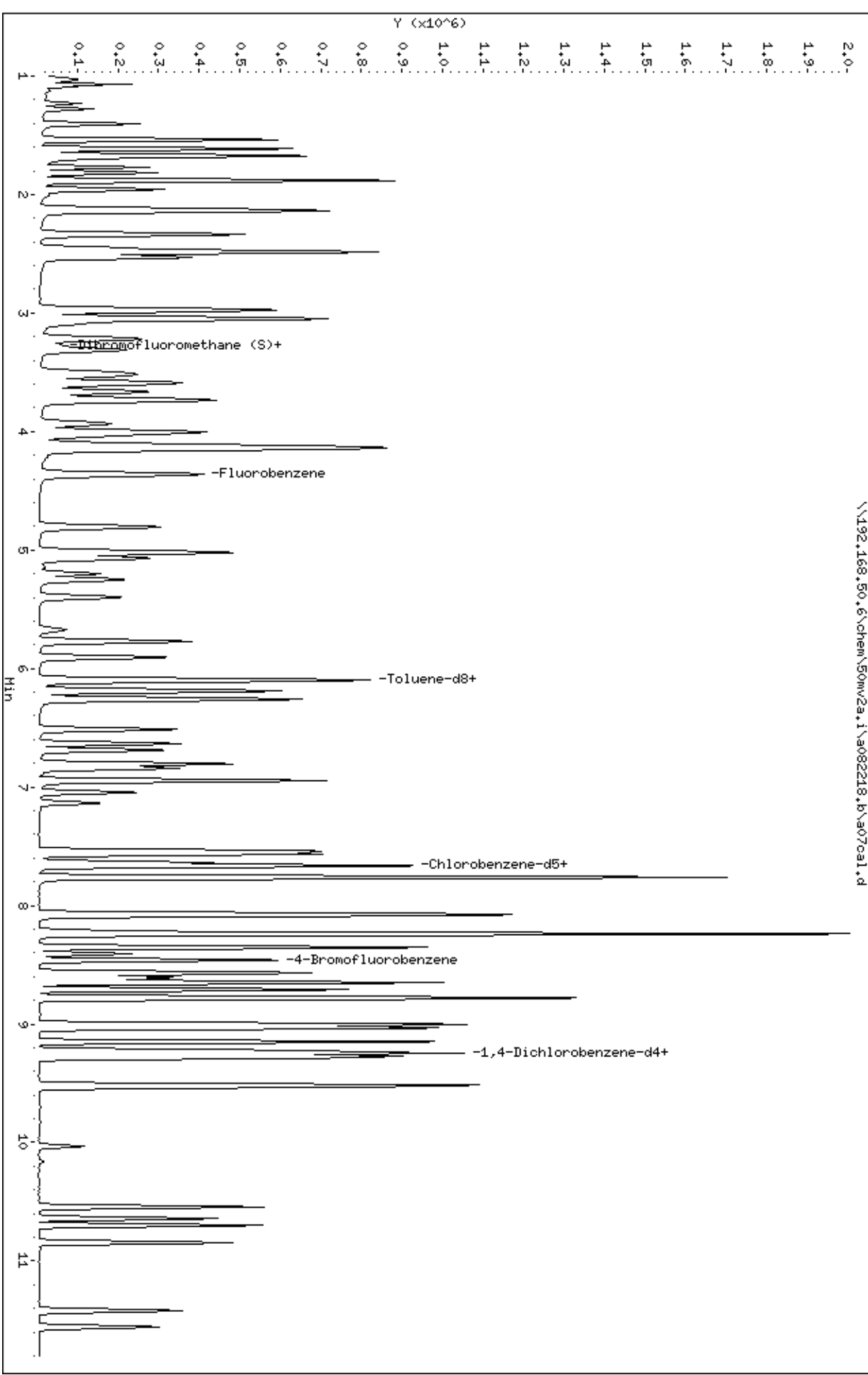
Review Codes Legend

- 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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Client ID: 8260-CAL6
Sample Info: 8260-CAL6,184424;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\A070a1.d



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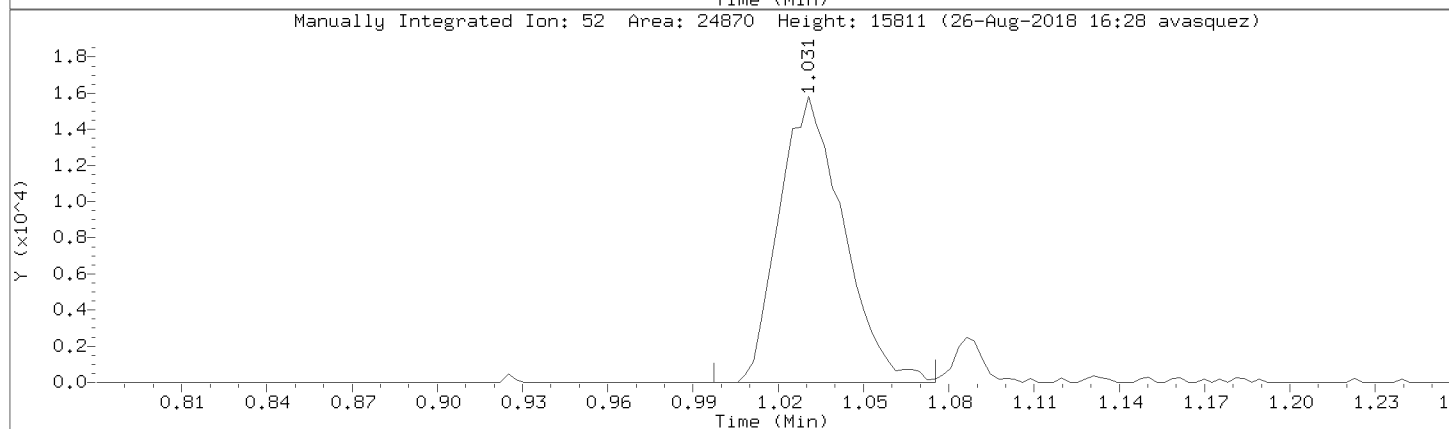
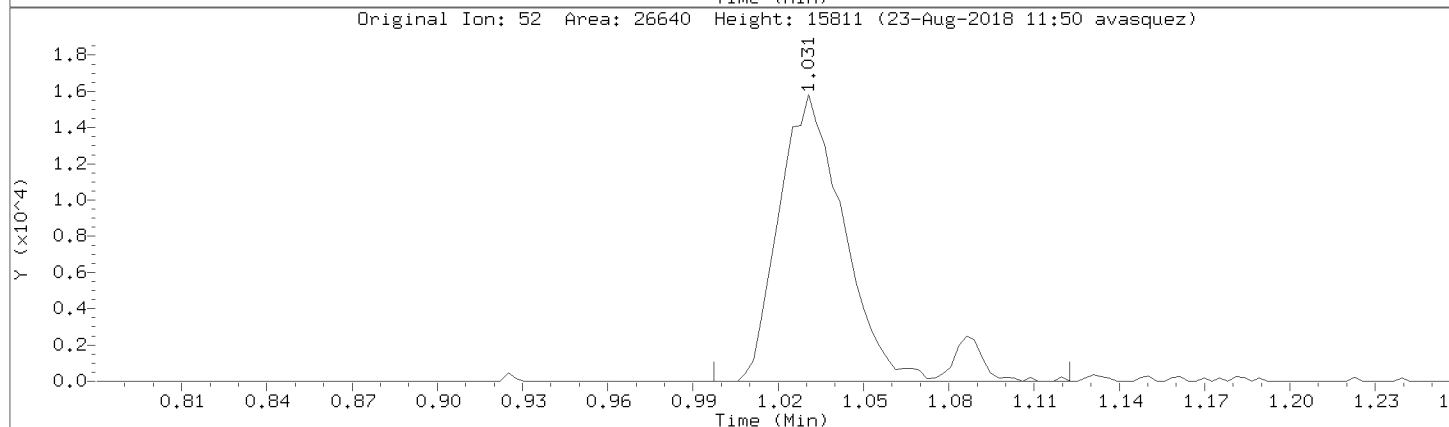
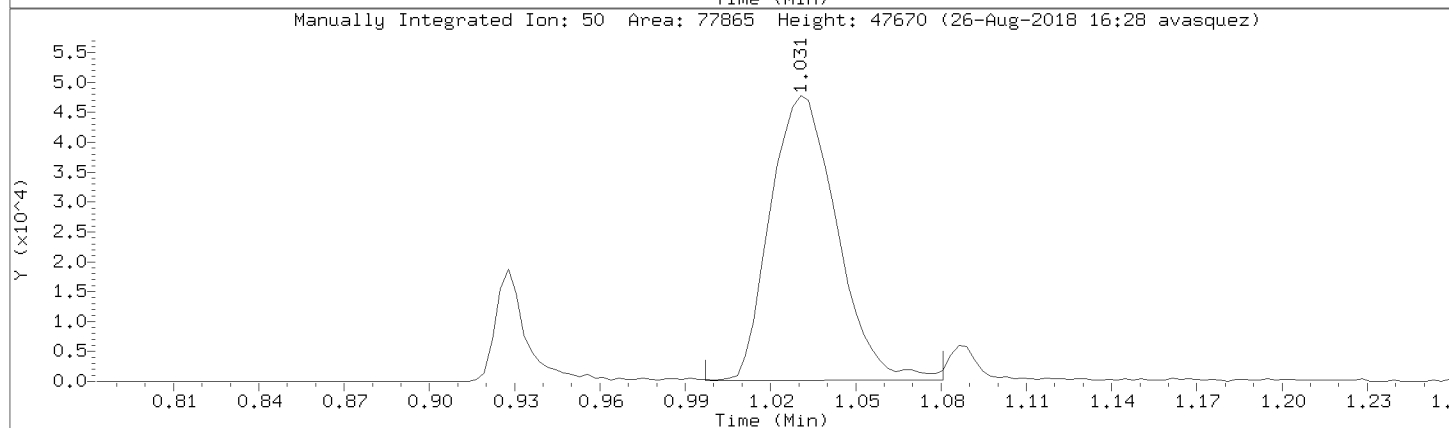
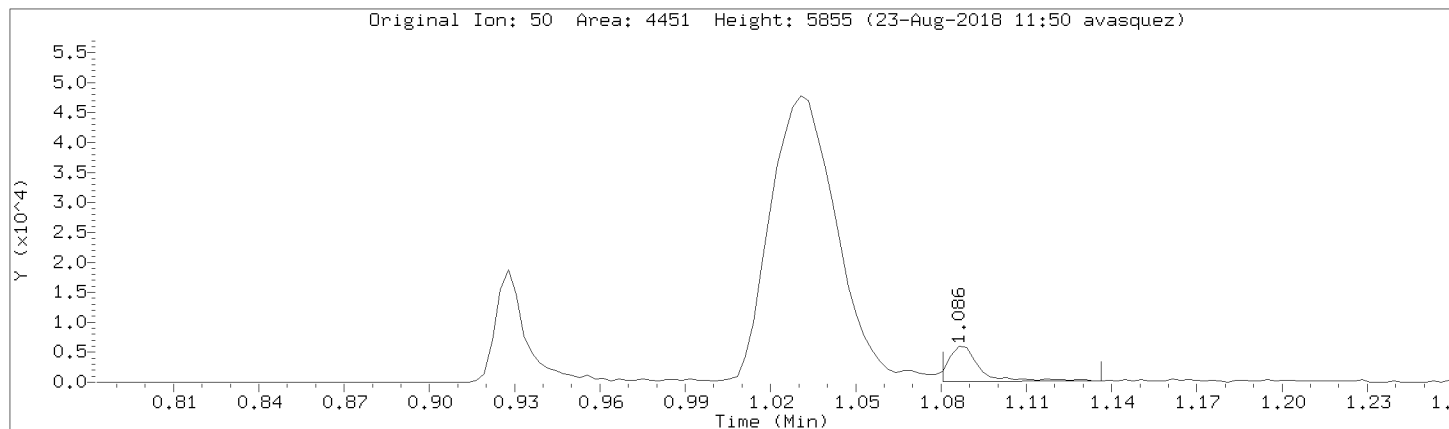
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL6

Compound: Chloromethane

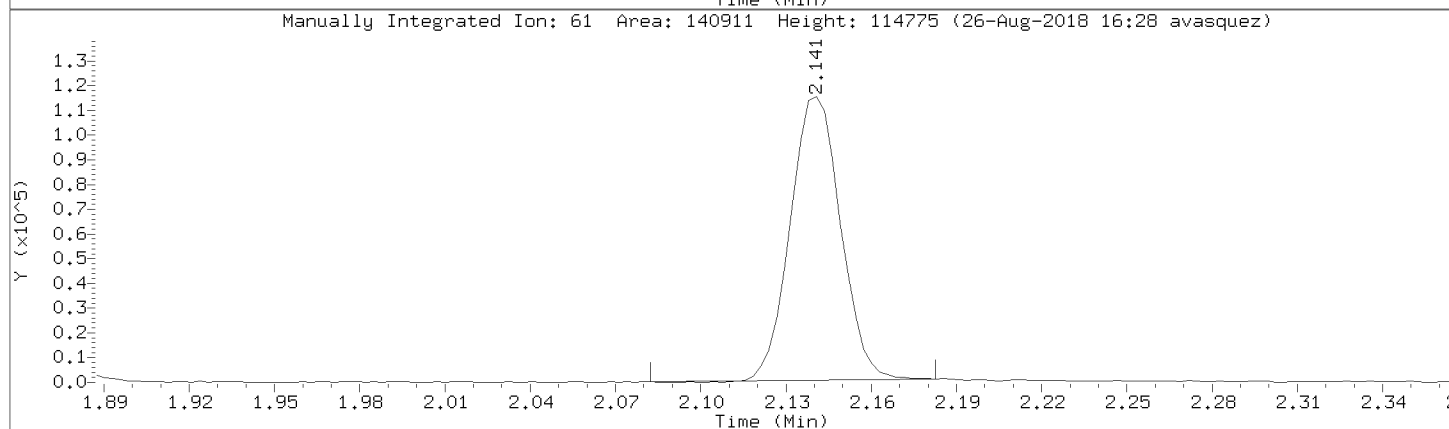
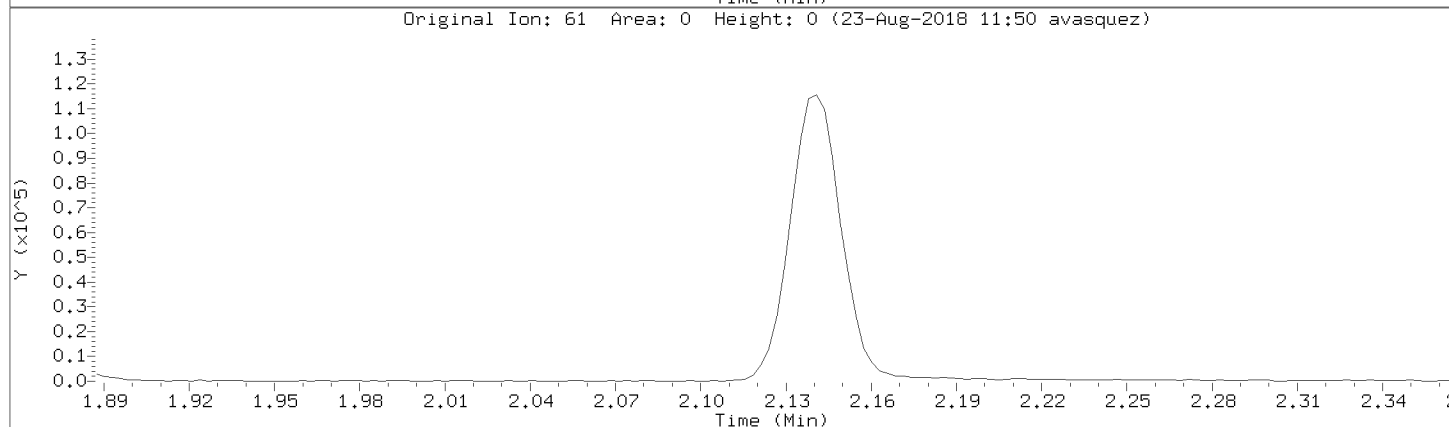
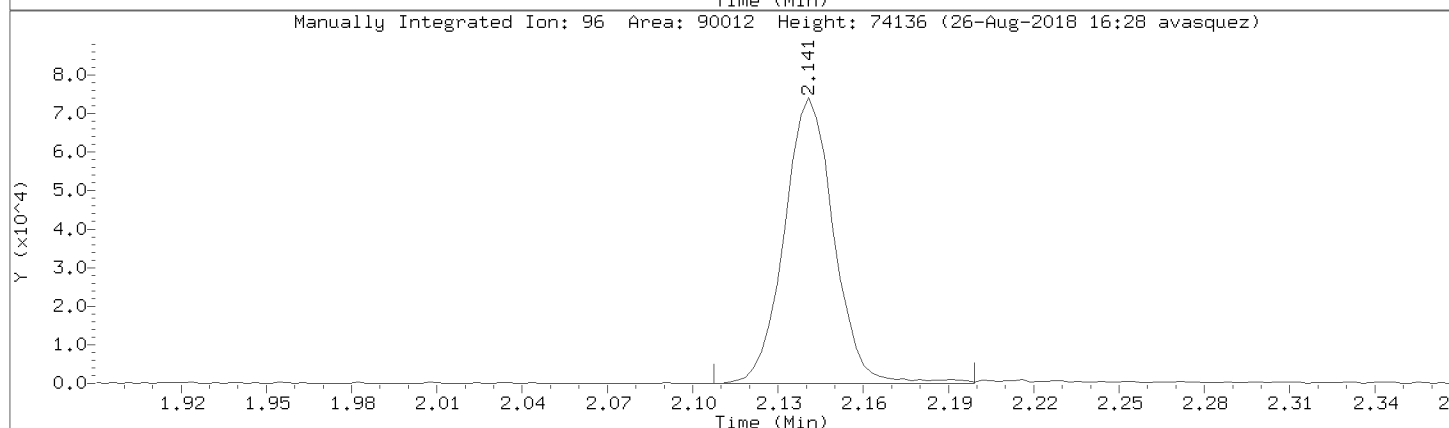
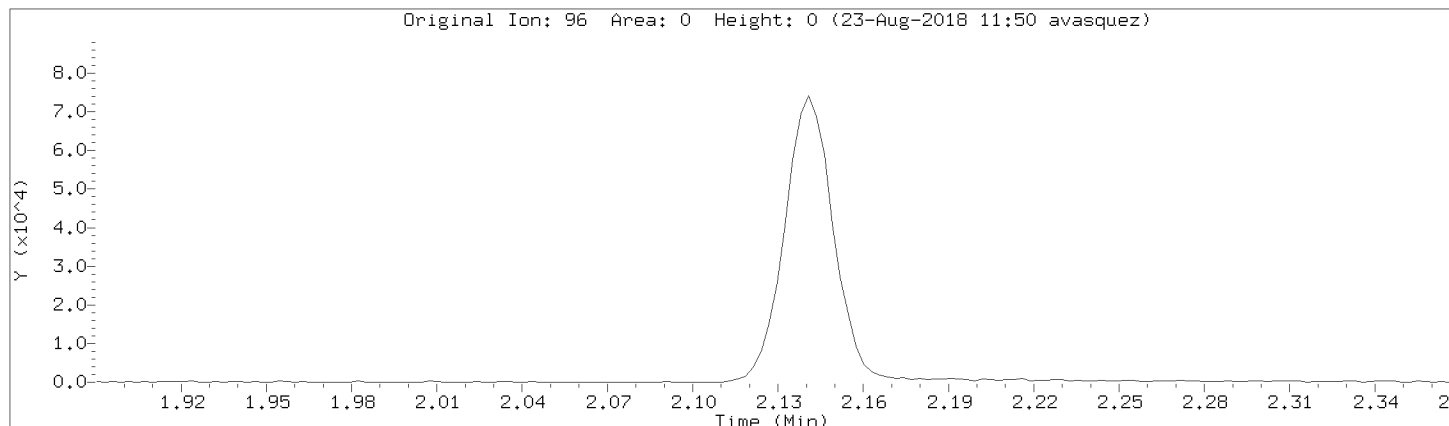
Review Code: WP

CAS Number: 74-87-3

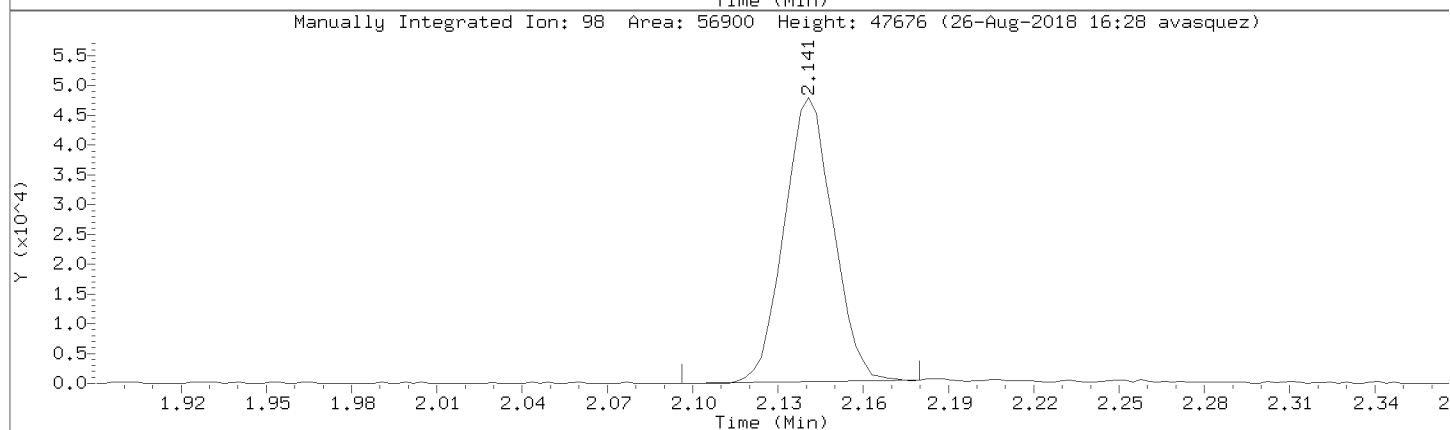
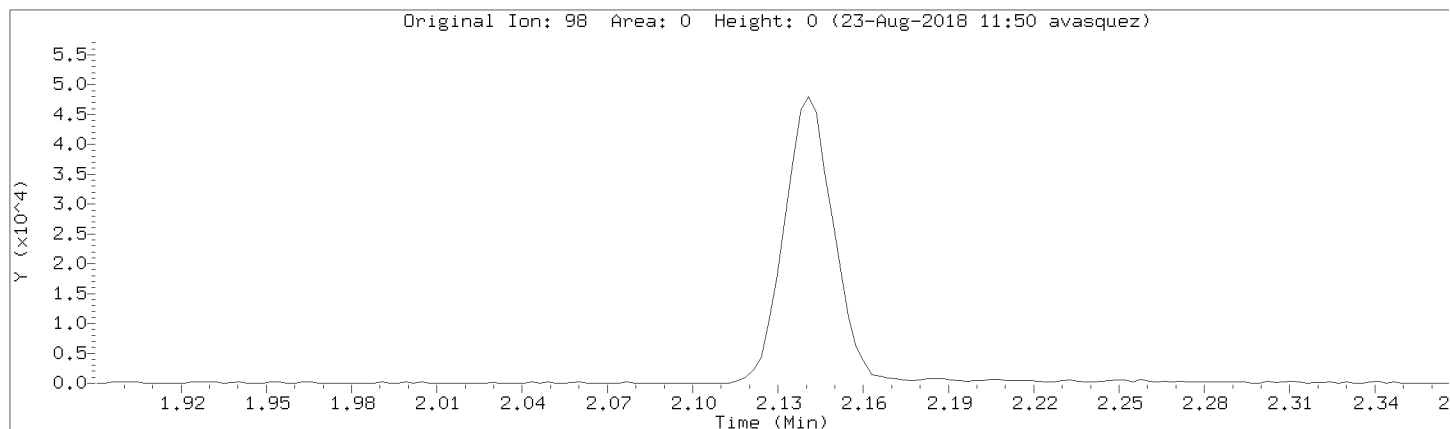


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6

Compound: 1,2-Dichloroethene (trans) Review Code: NI
CAS Number: 156-60-5



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Instrument: 50mv2a.i
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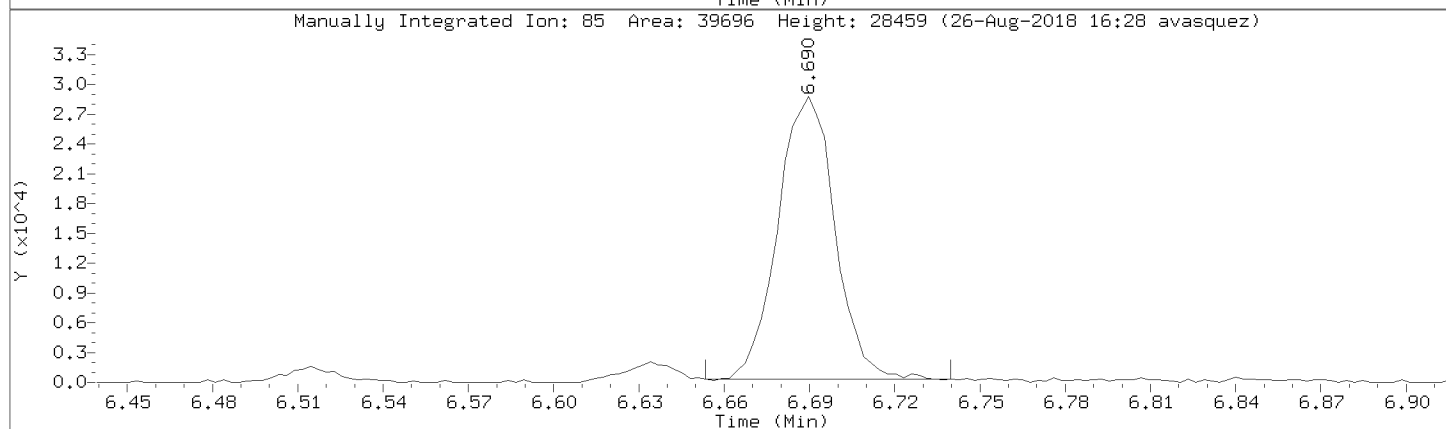
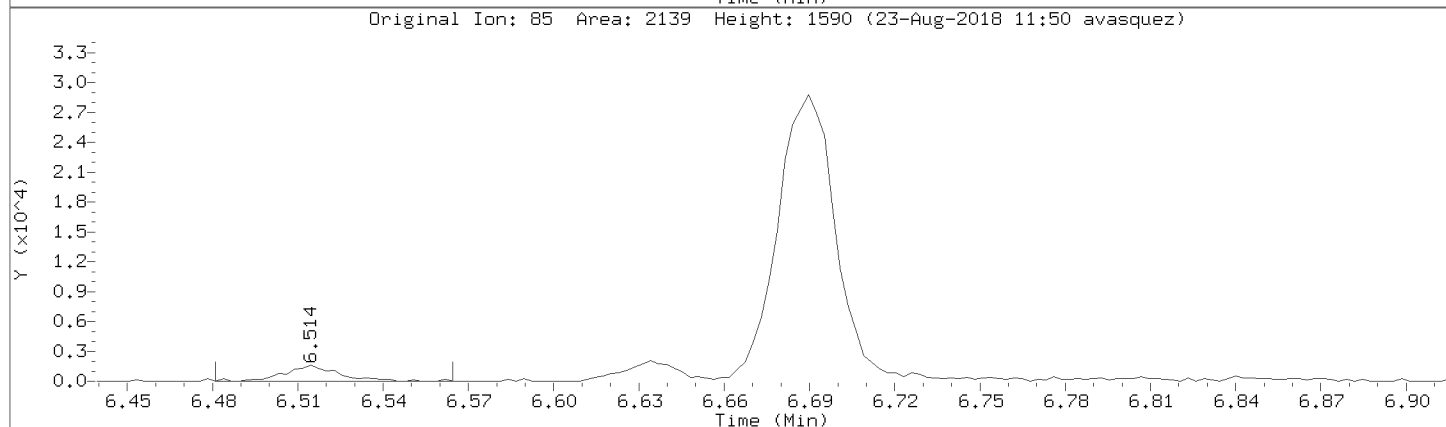
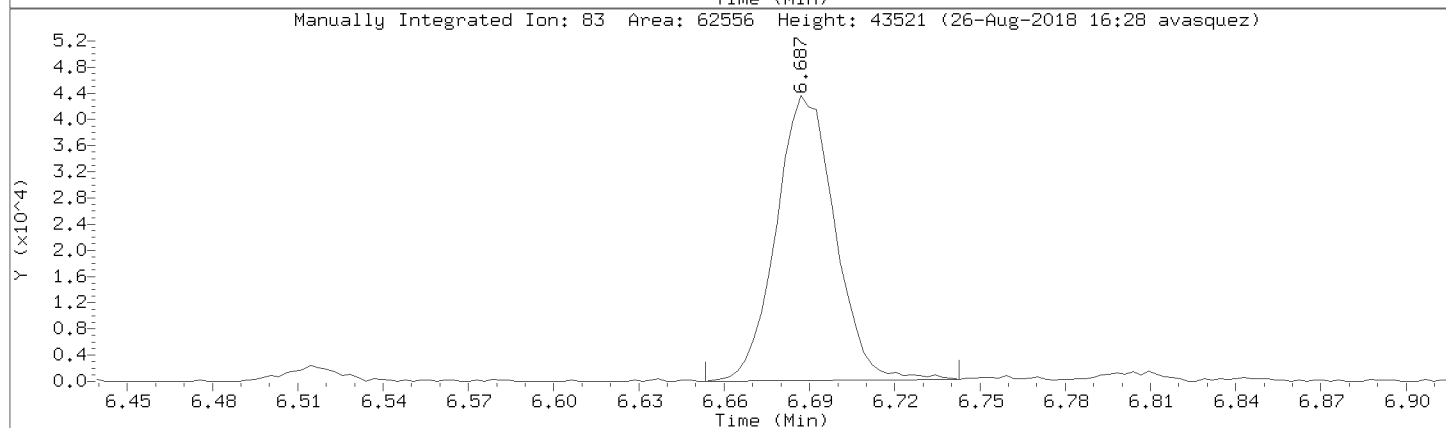
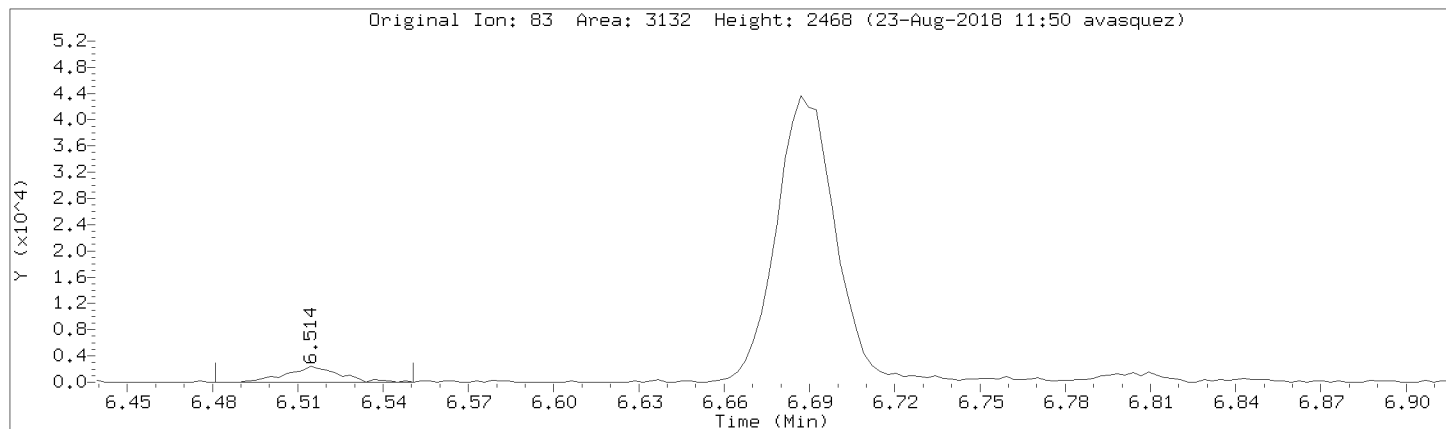
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL6

Compound: 1,1,2-Trichloroethane

Review Code:

CAS Number: 79-00-5

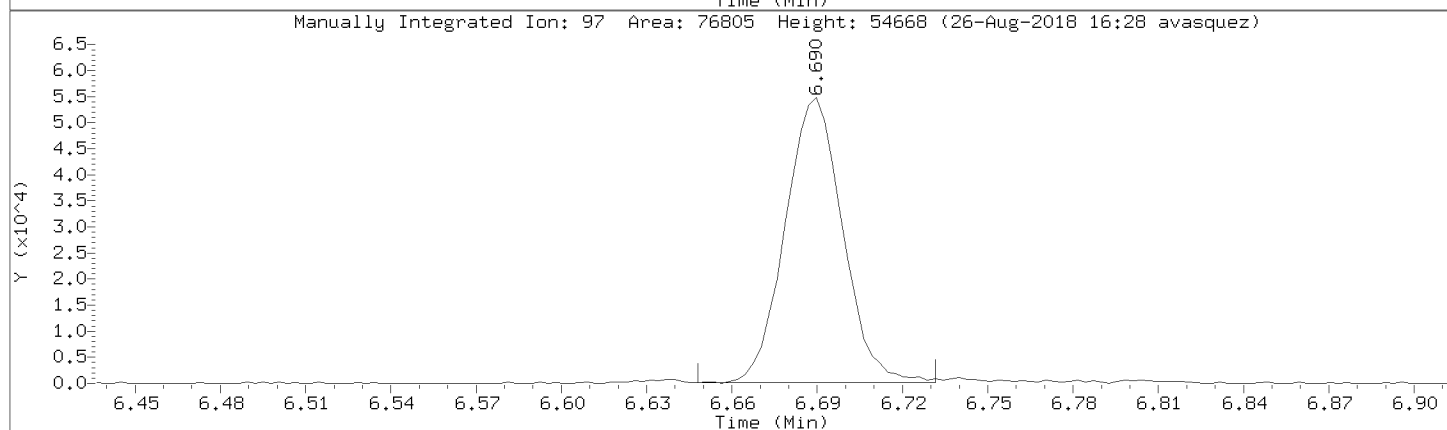
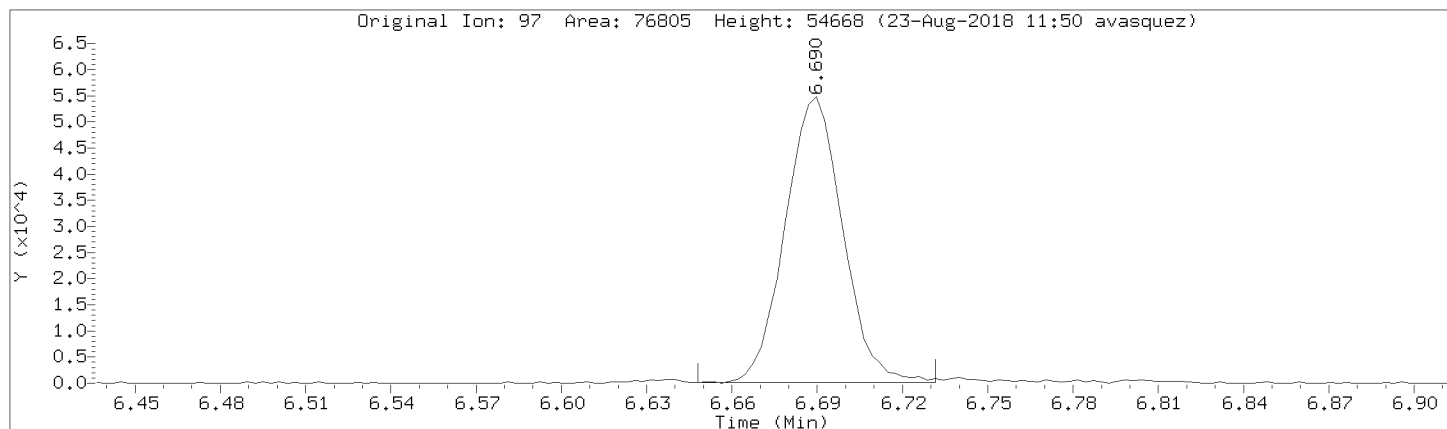


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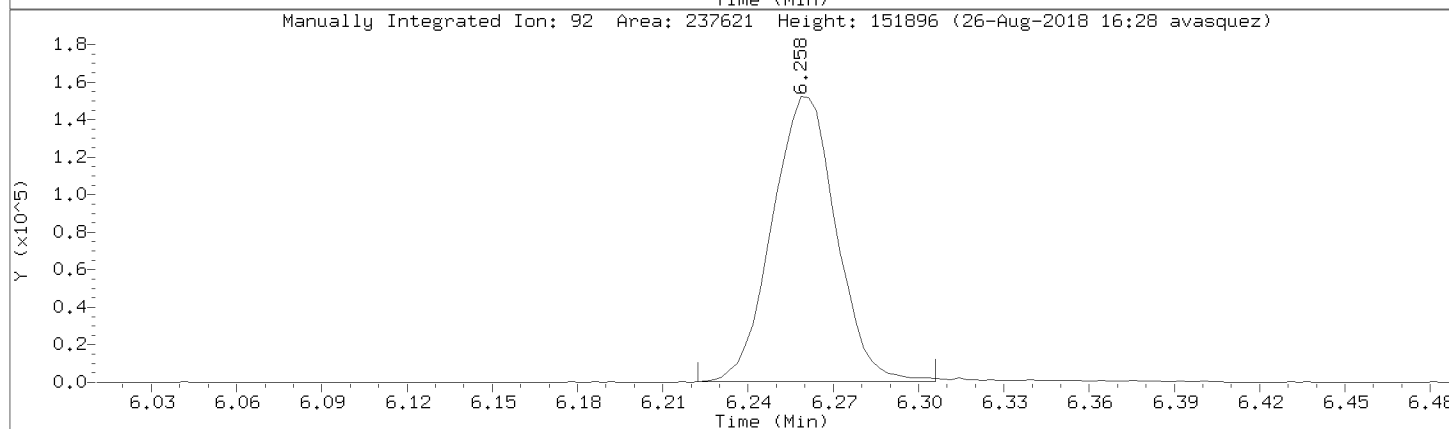
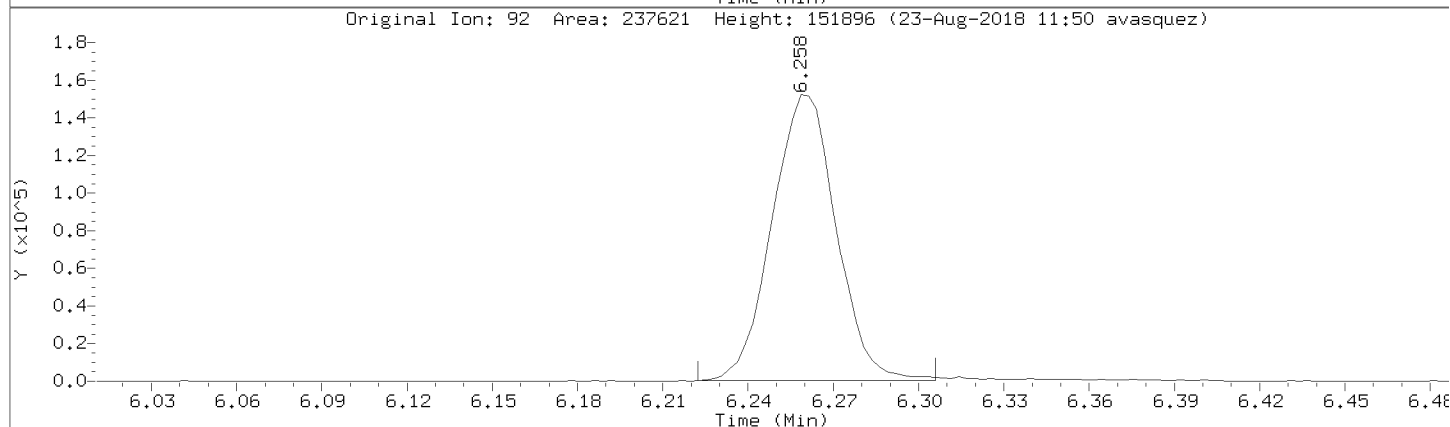
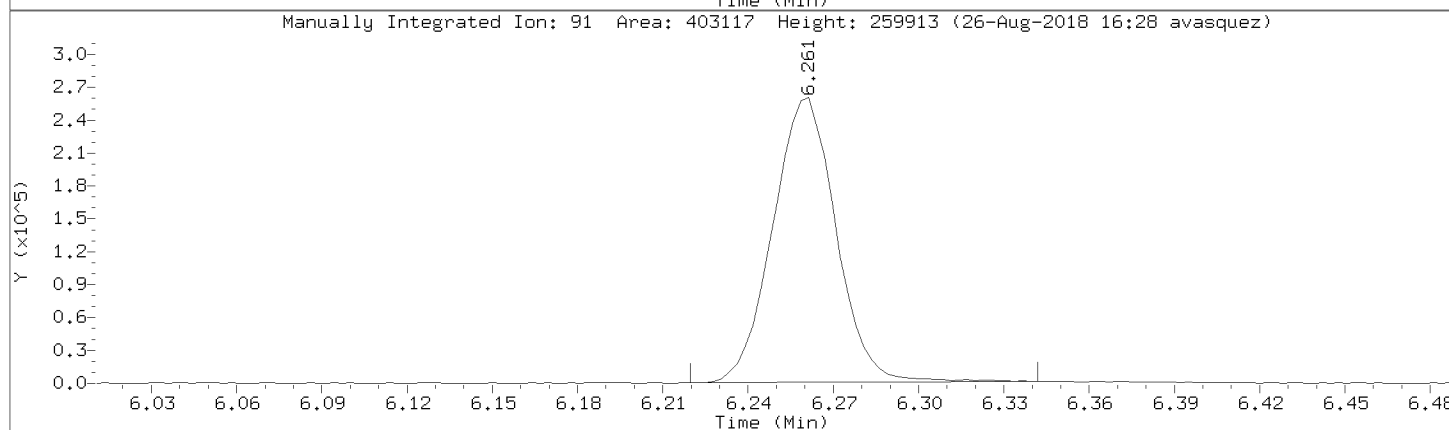
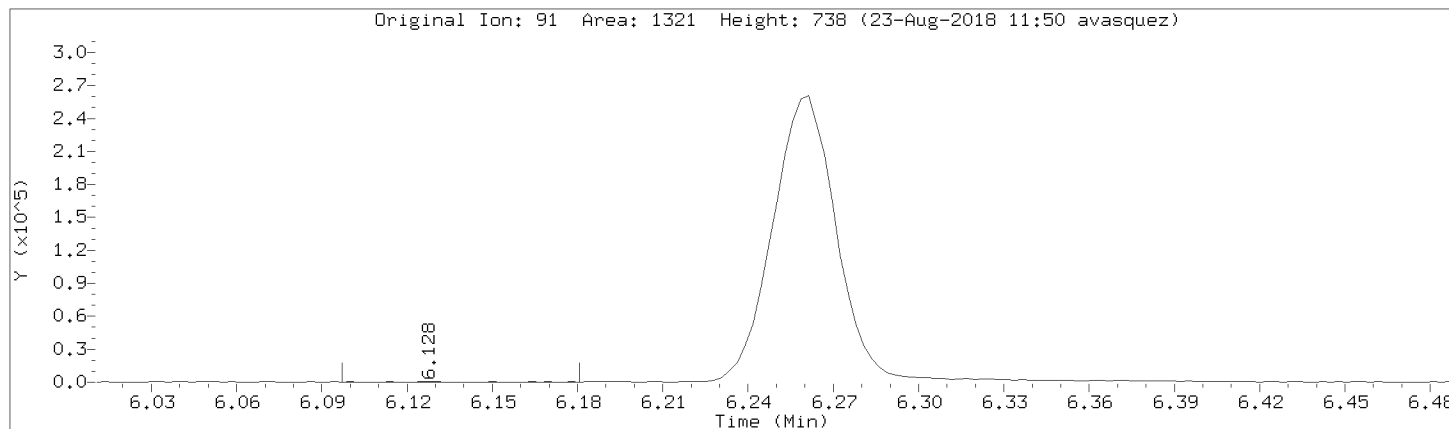
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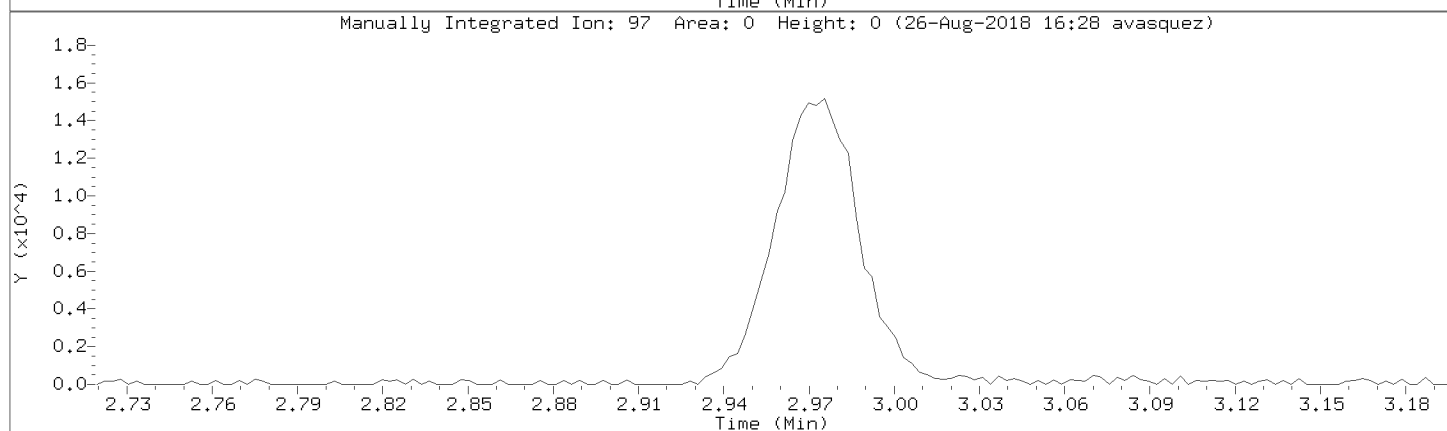
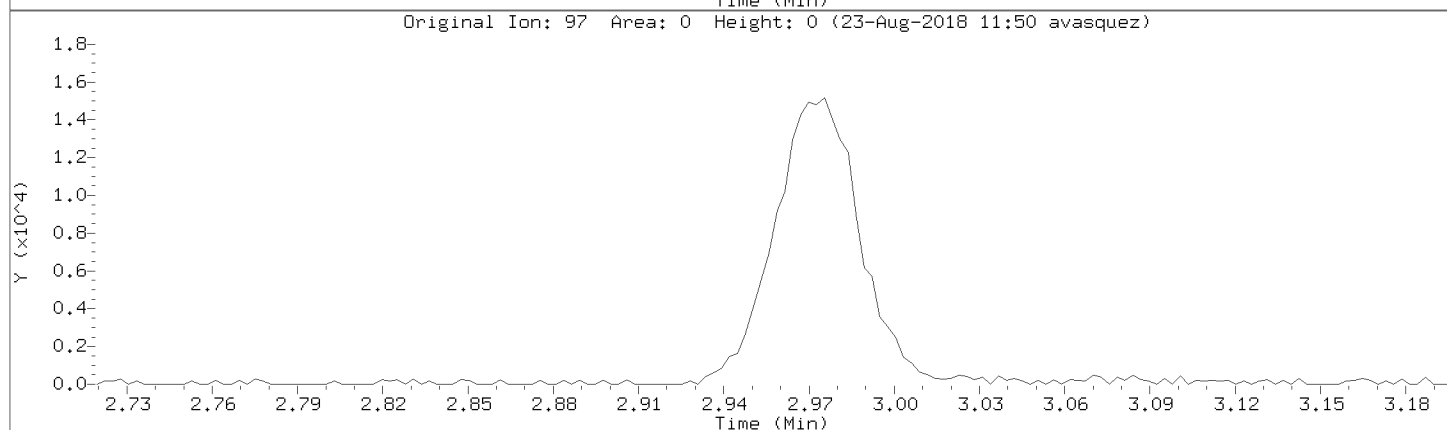
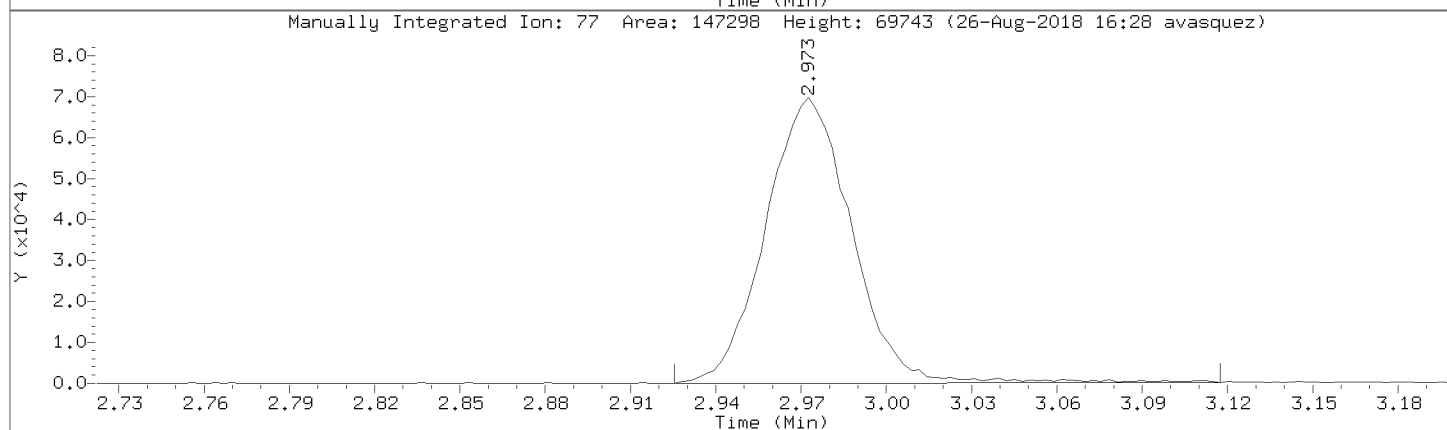
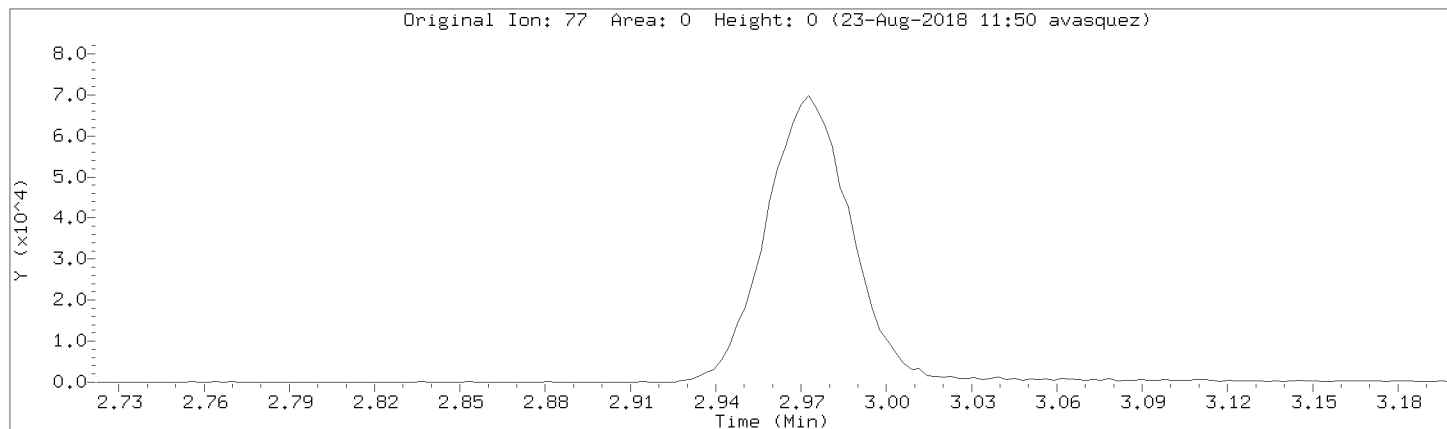
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Lab Sample ID: 8260-CAL6

Compound: Toluene Review Code: NI
CAS Number: 108-88-3



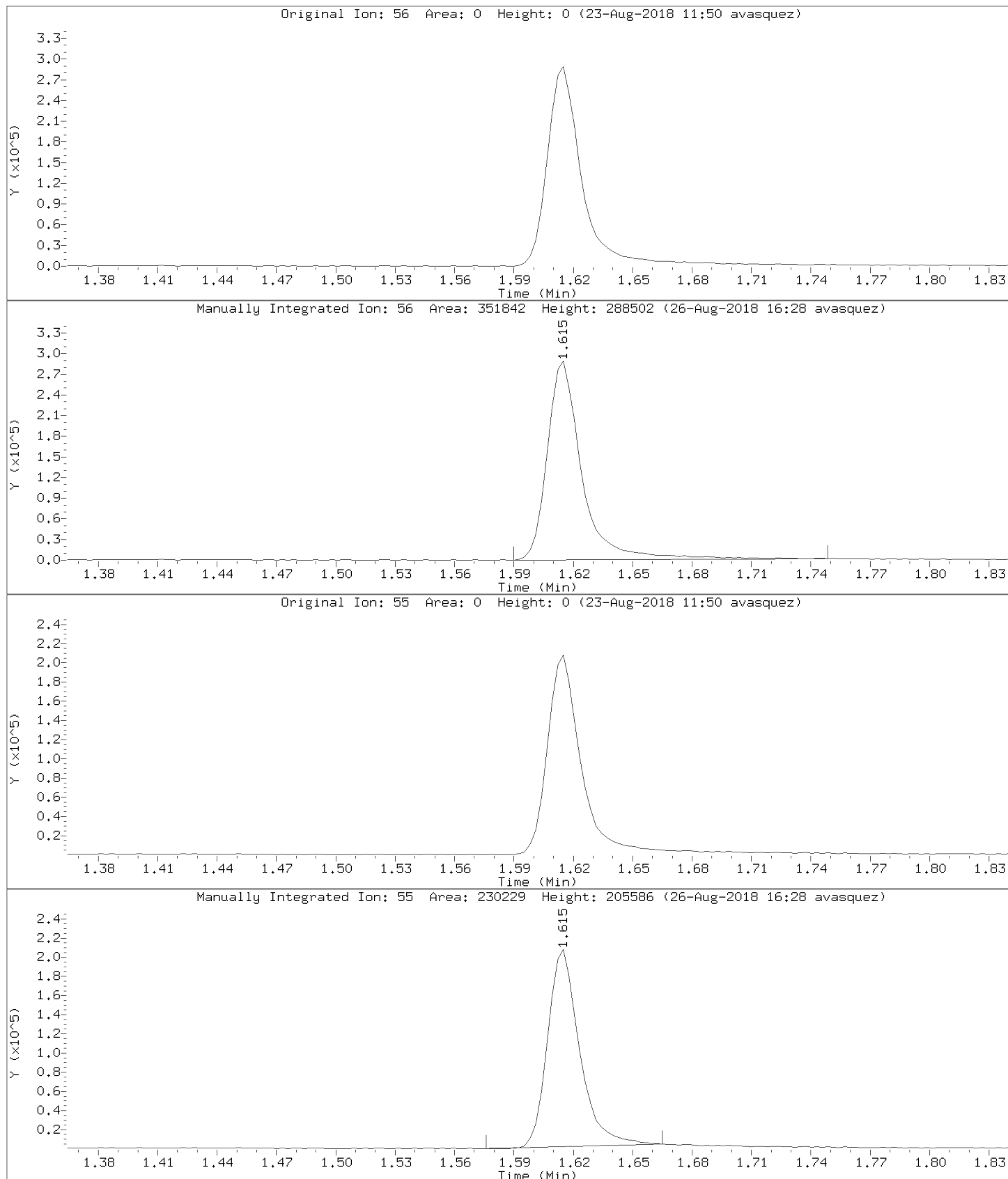
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Lab Sample ID: 8260-CAL6

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



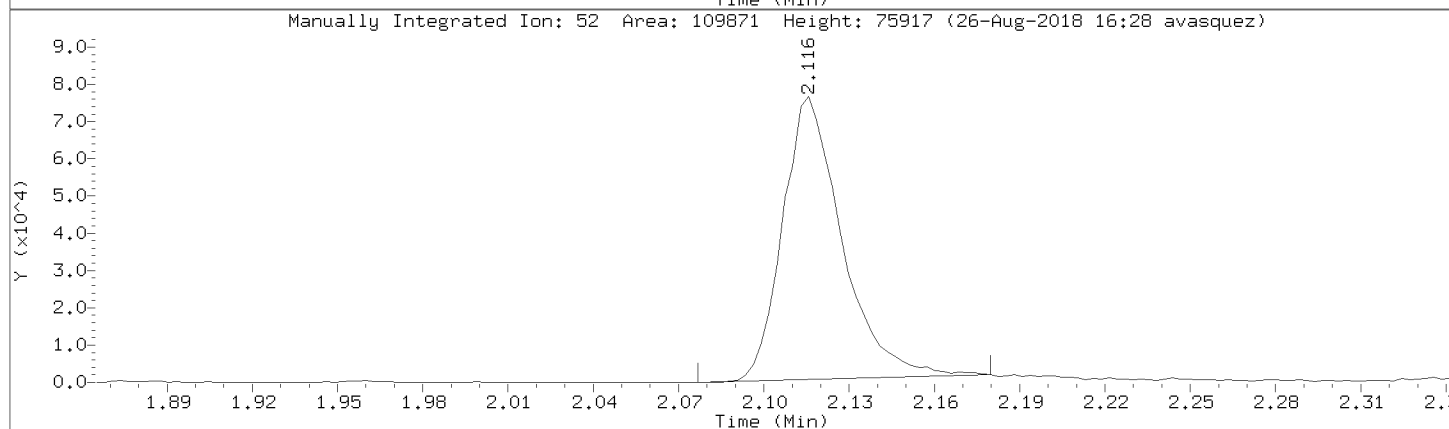
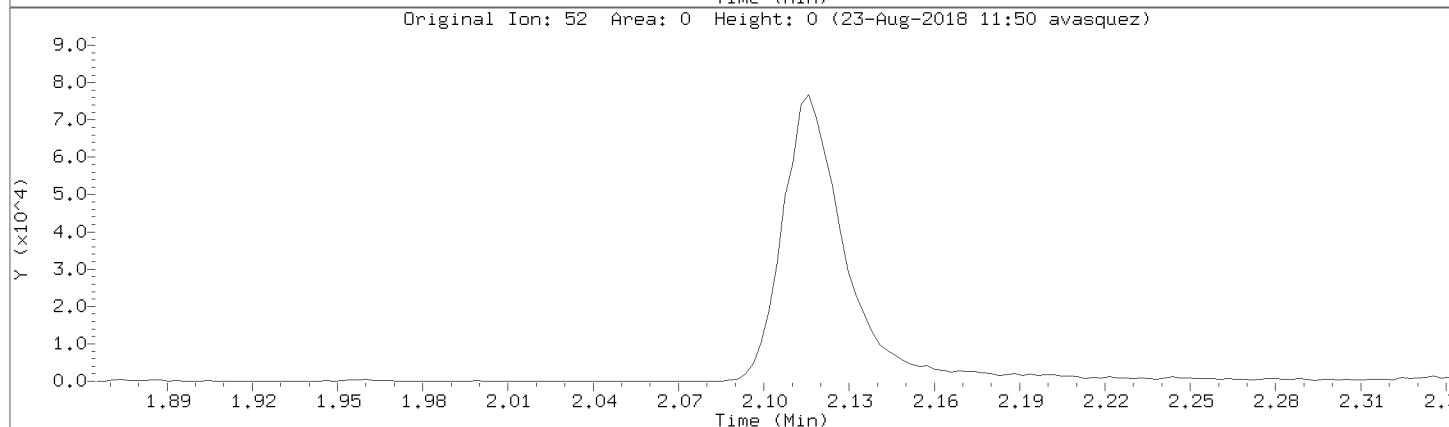
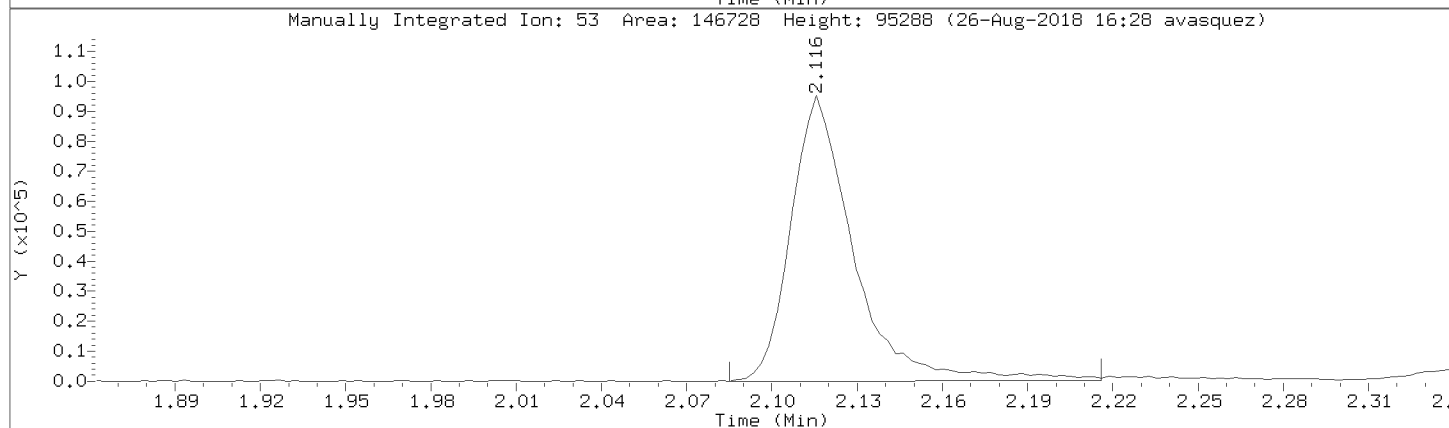
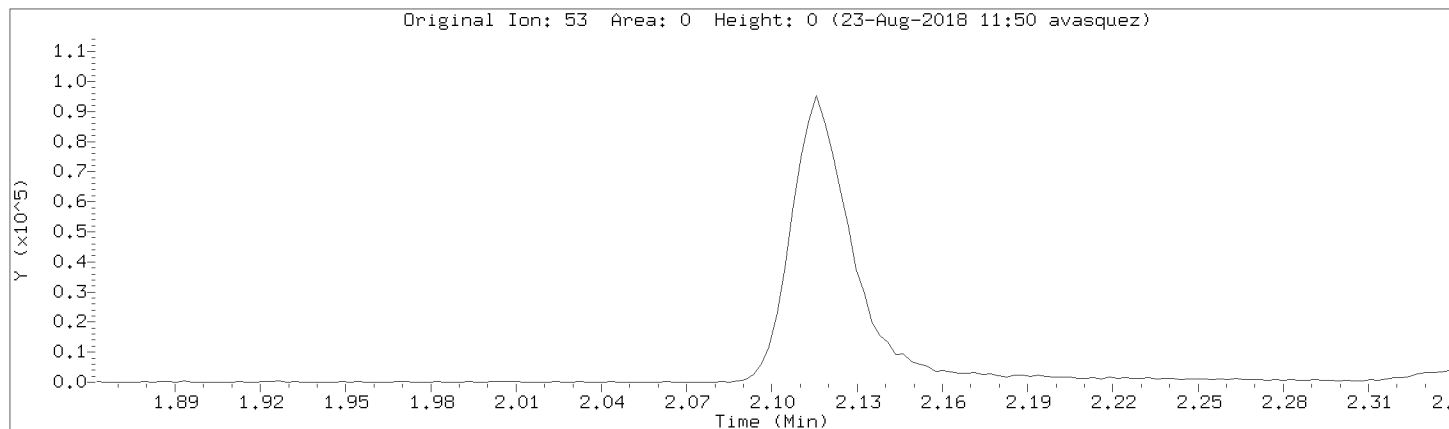
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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6

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



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Injection Date: 22-AUG-2018 17:02

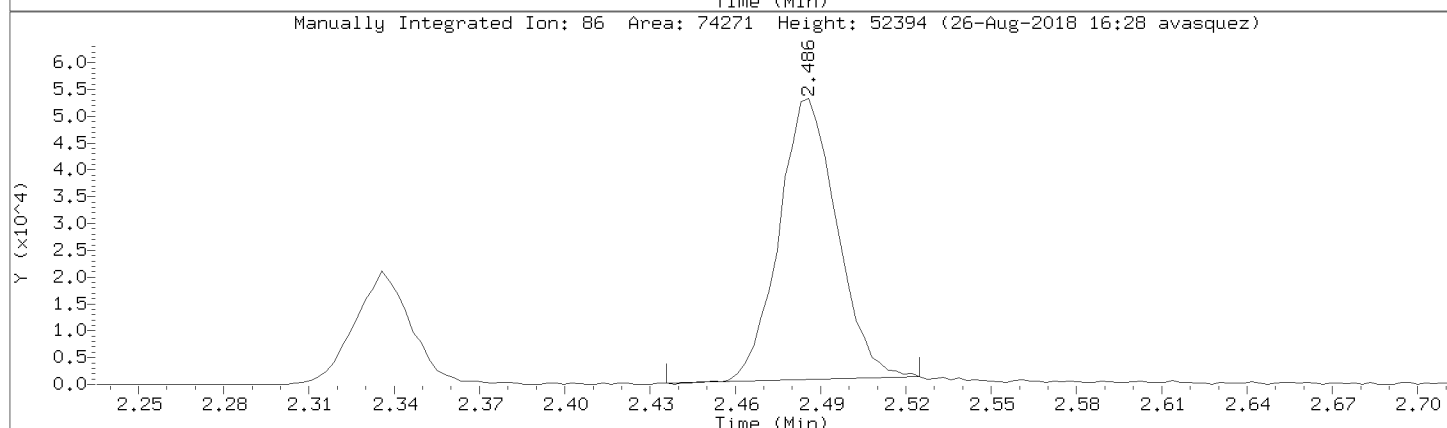
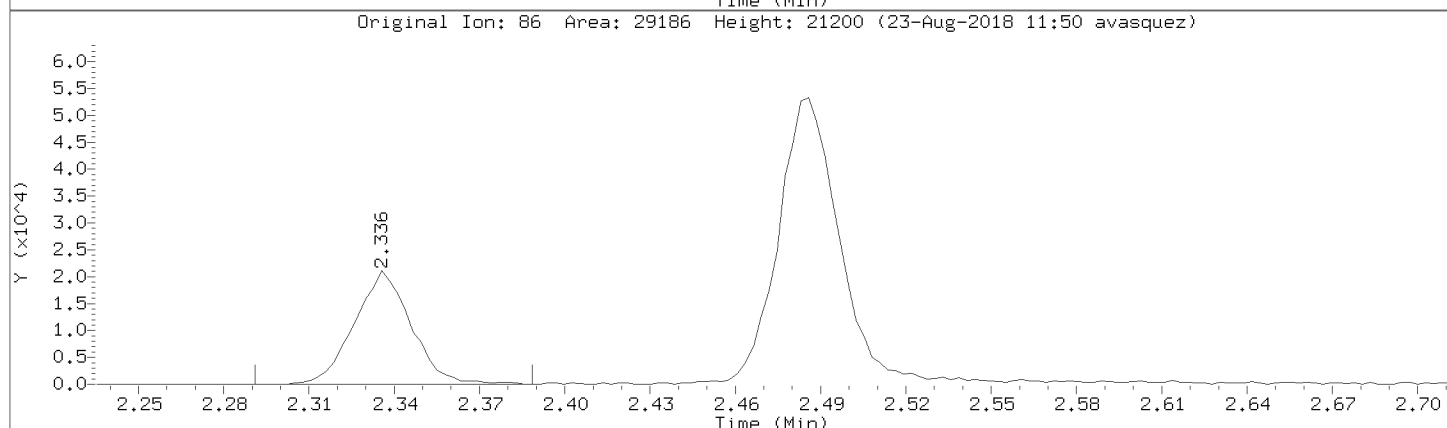
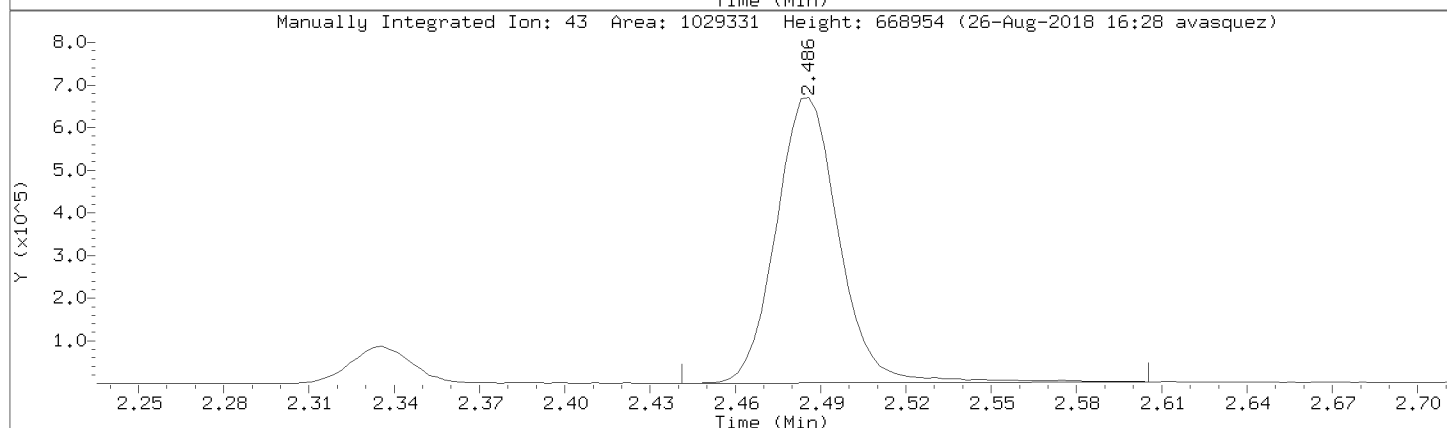
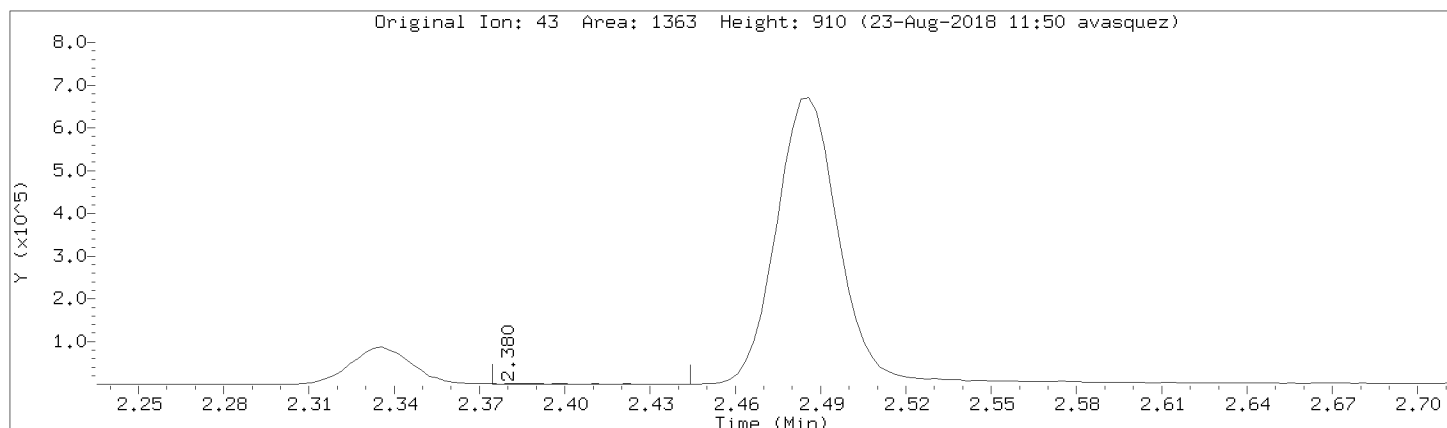
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Lab Sample ID: 8260-CAL6

Compound: Vinyl Acetate

Review Code: WP

CAS Number: 108-05-4



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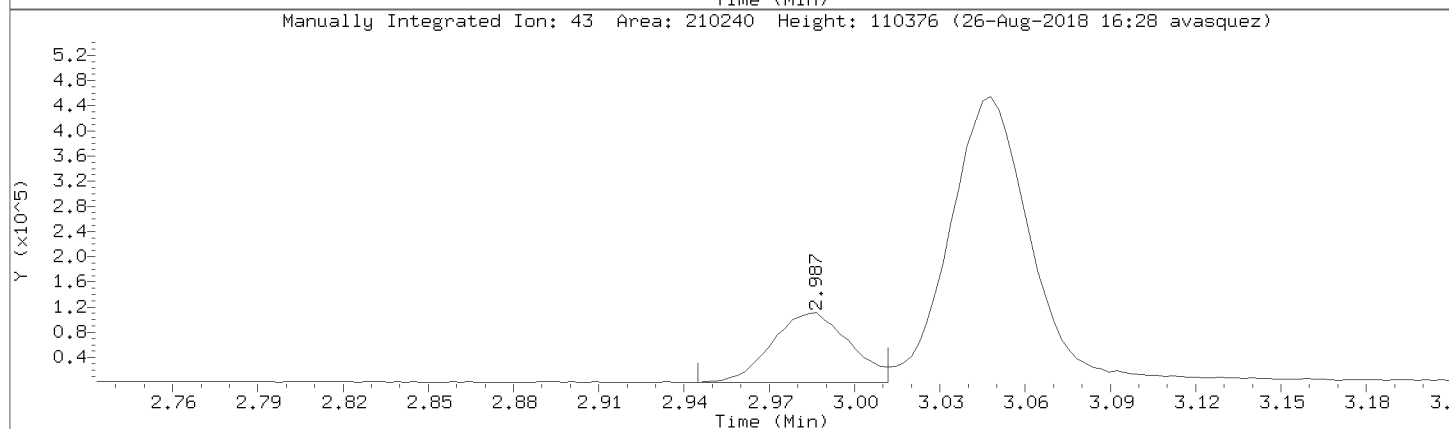
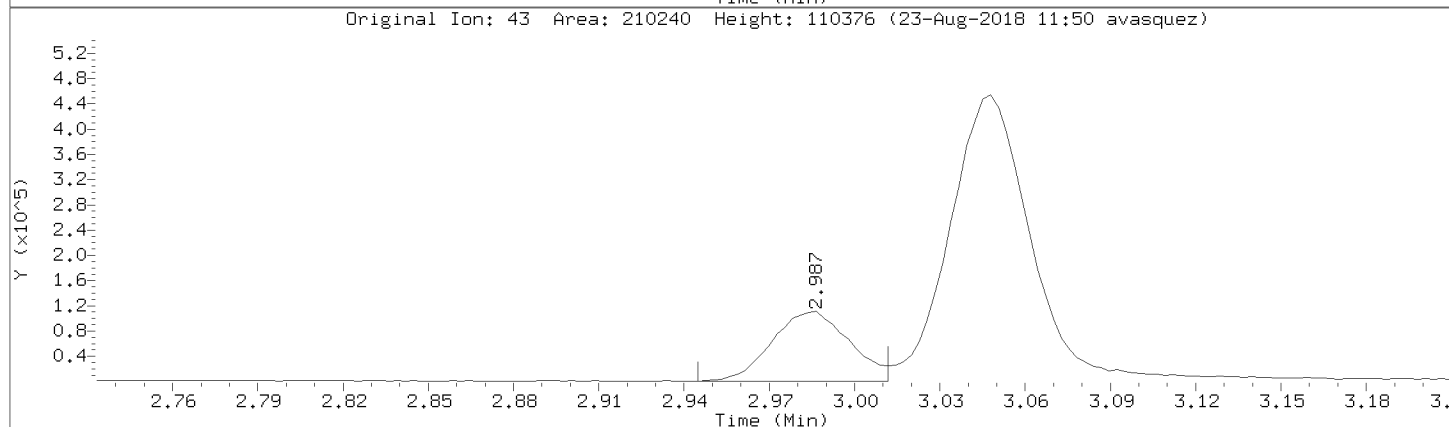
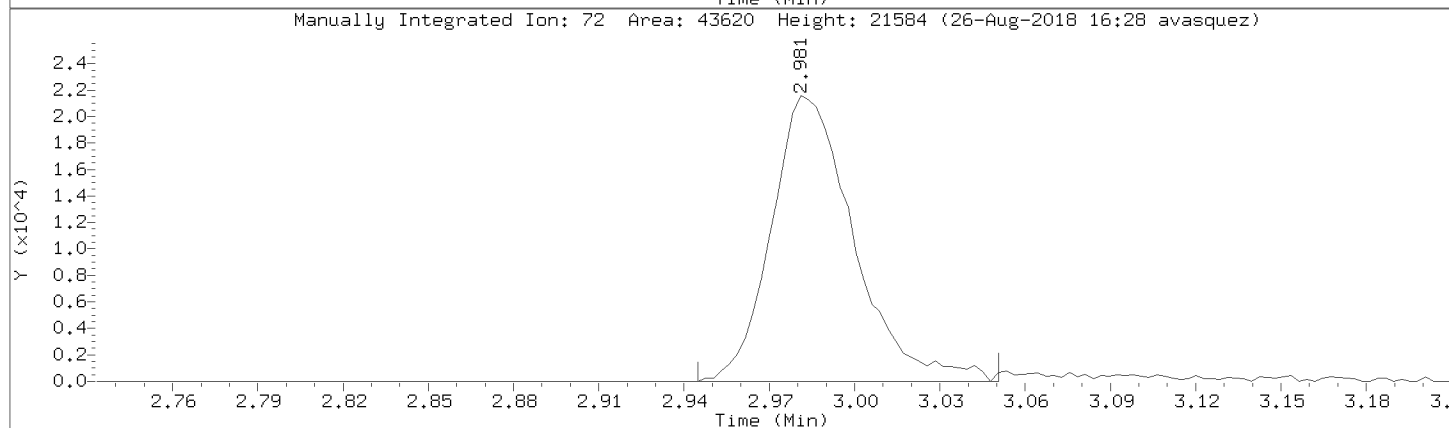
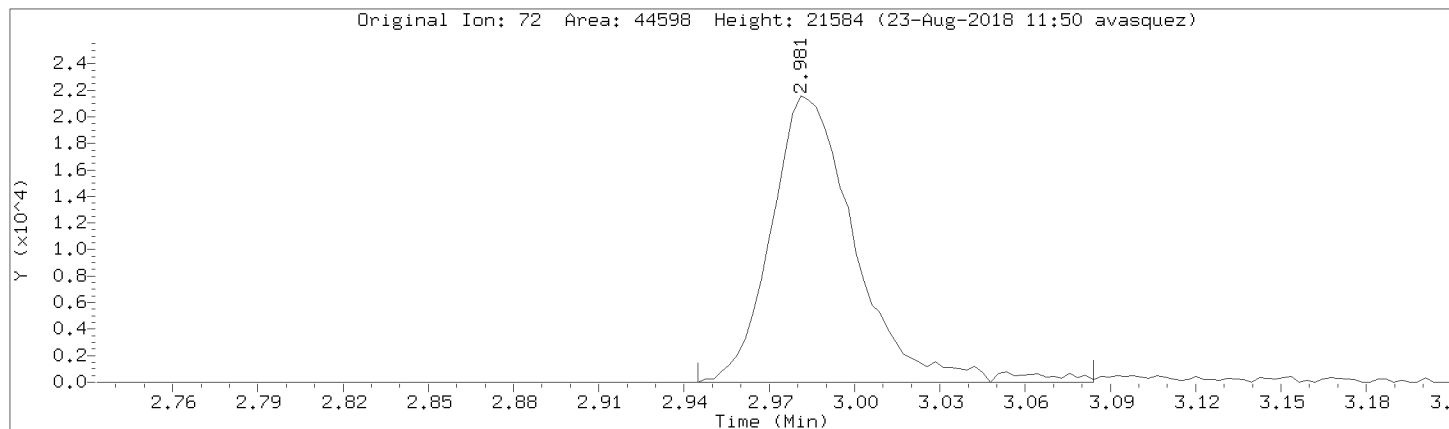
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL6

Compound: 2-Butanone

Review Code: GT

CAS Number: 78-93-3

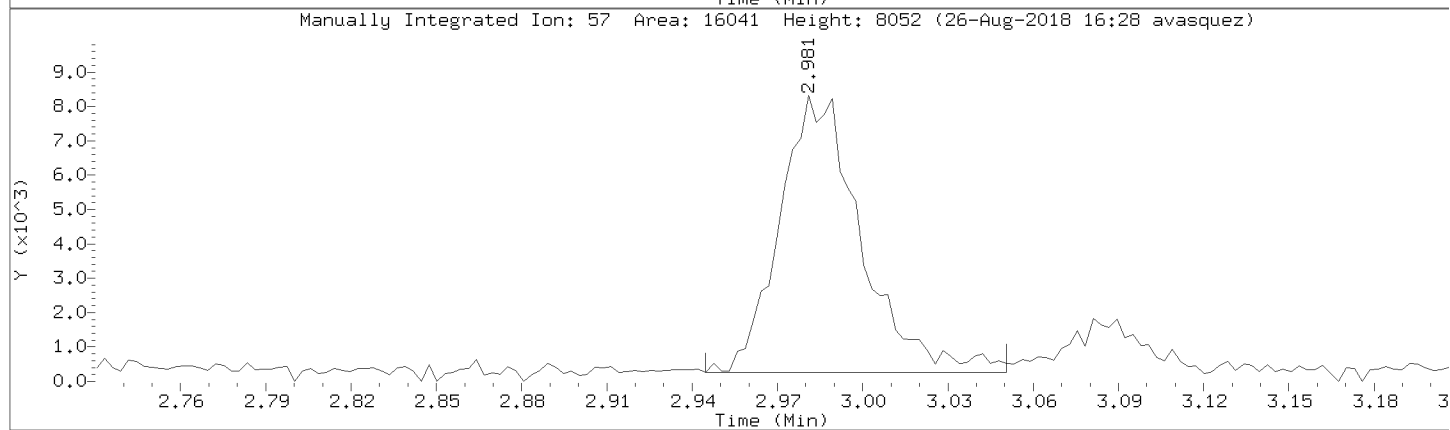
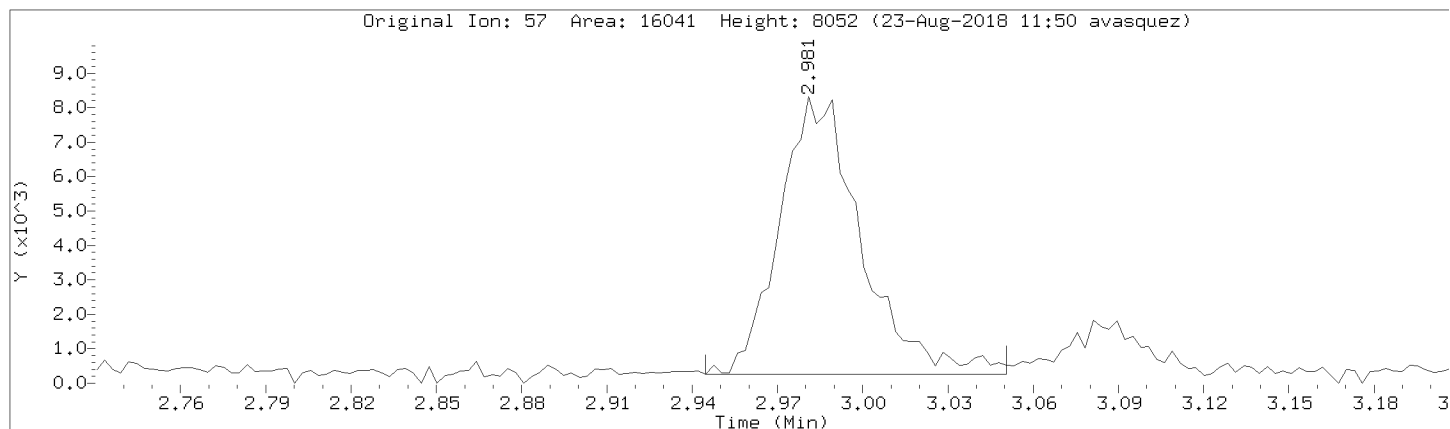


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Injection Date: 22-AUG-2018 17:02

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL6



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Injection Date: 22-AUG-2018 17:02

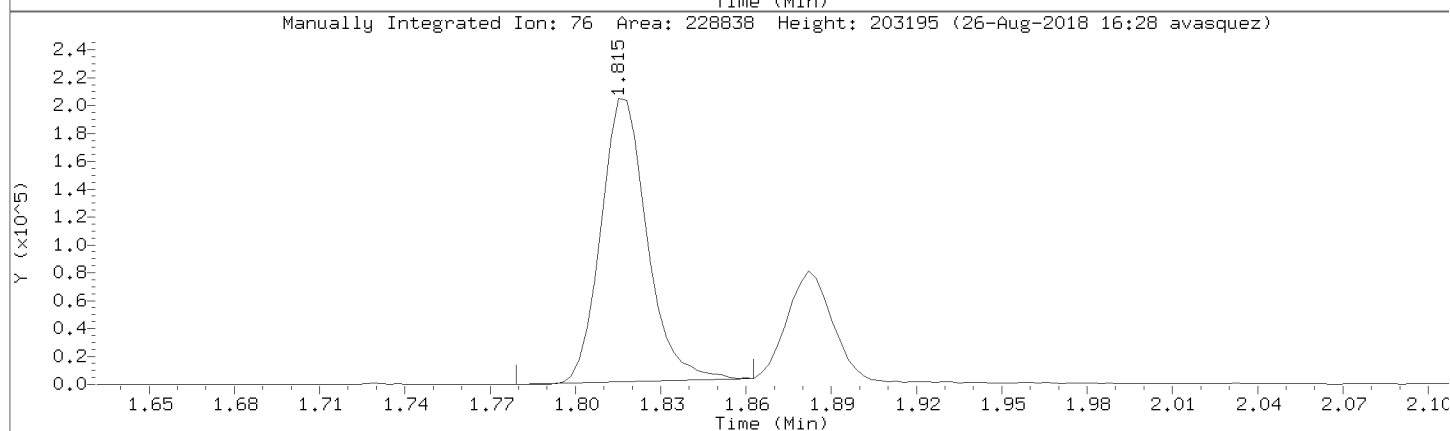
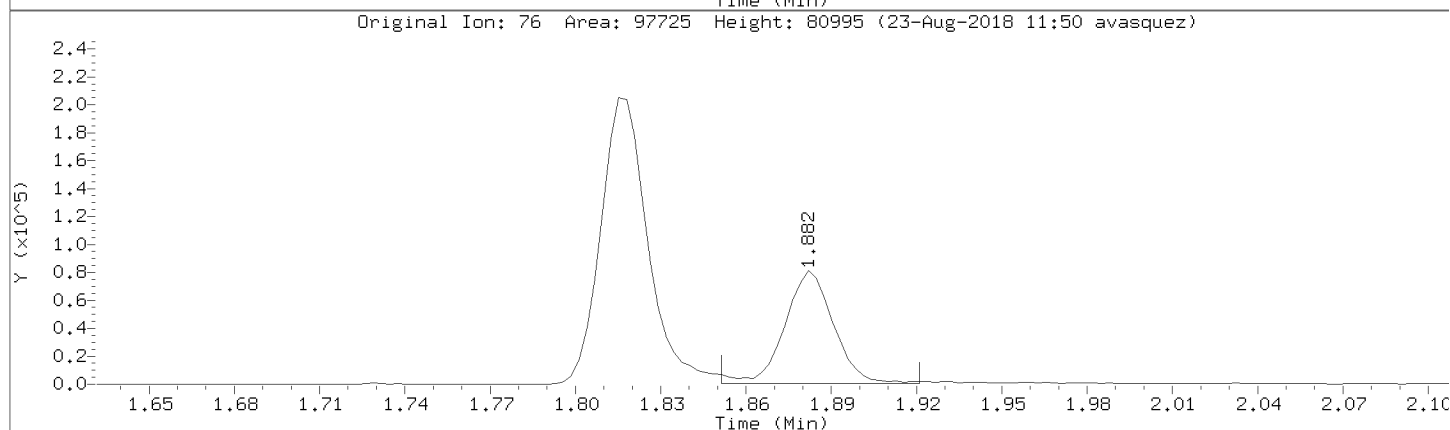
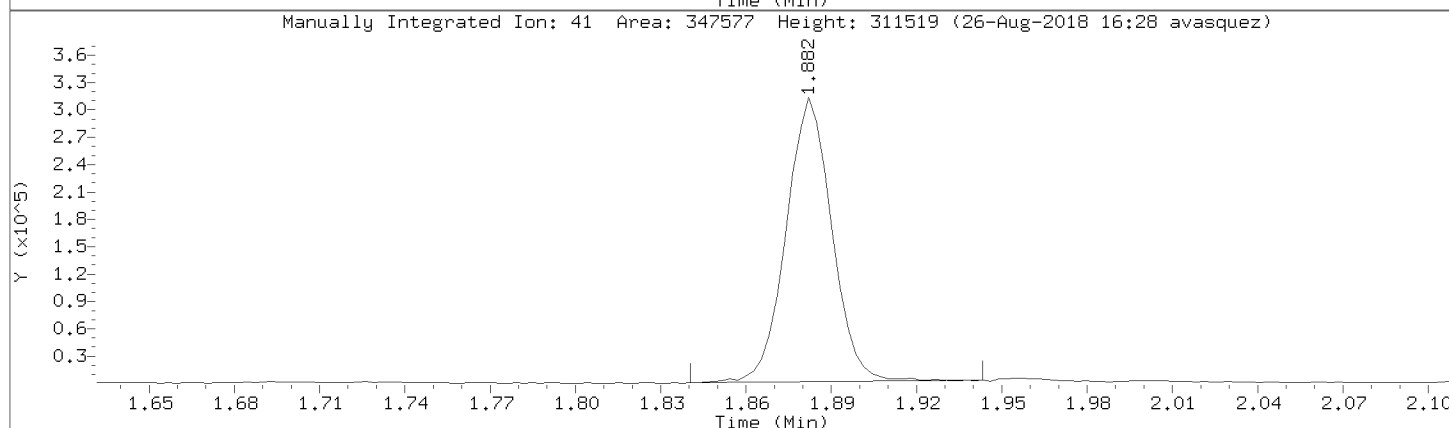
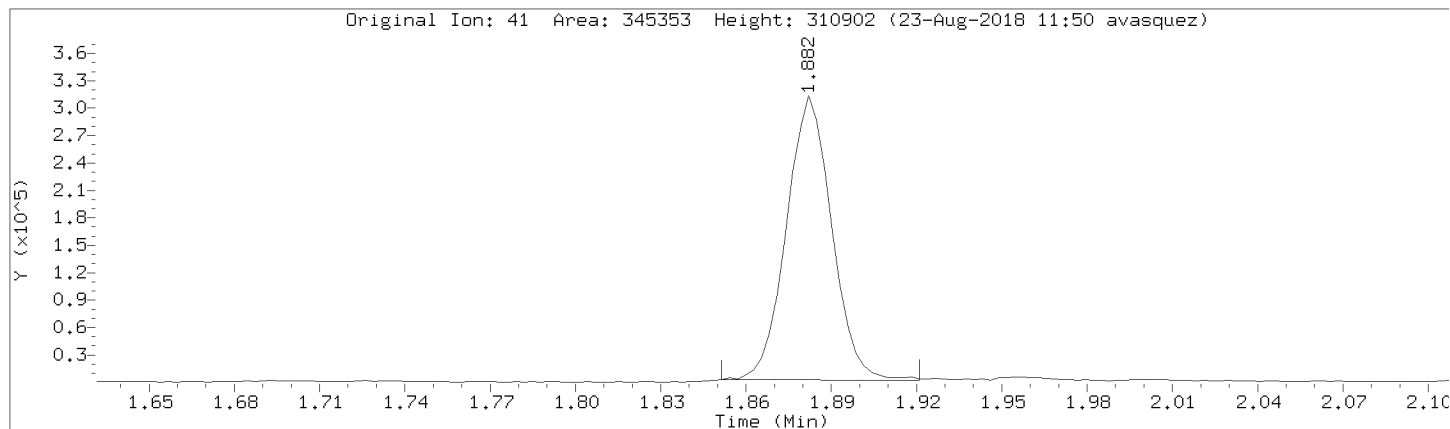
Instrument: 50mv2a.i

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

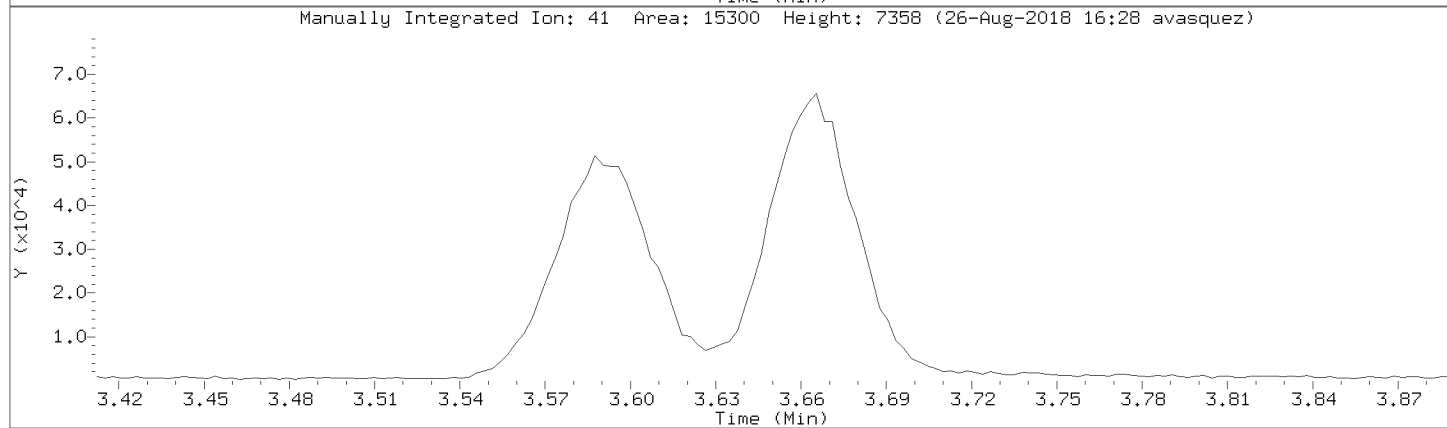
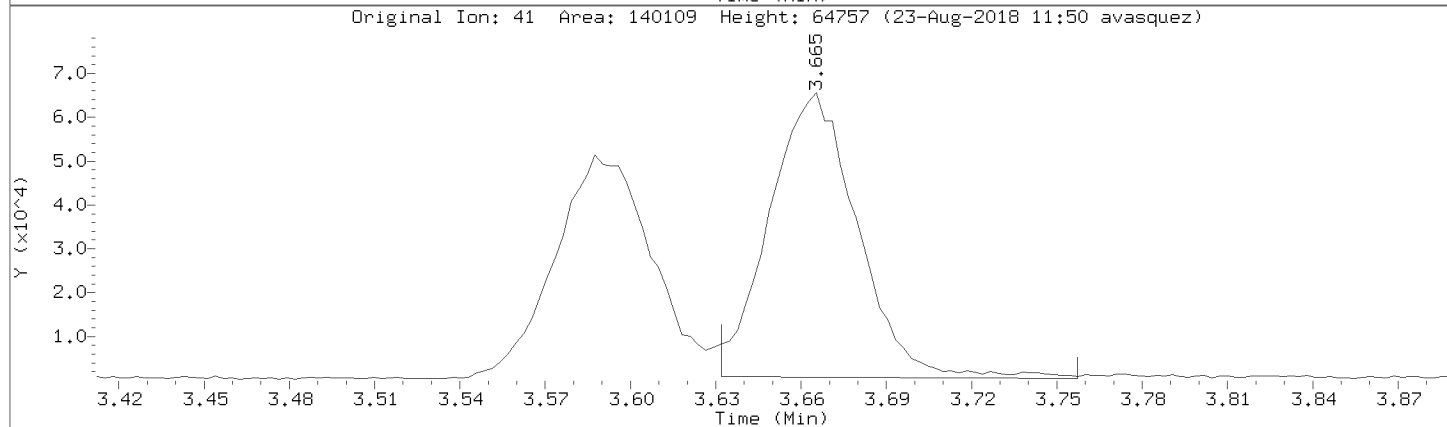
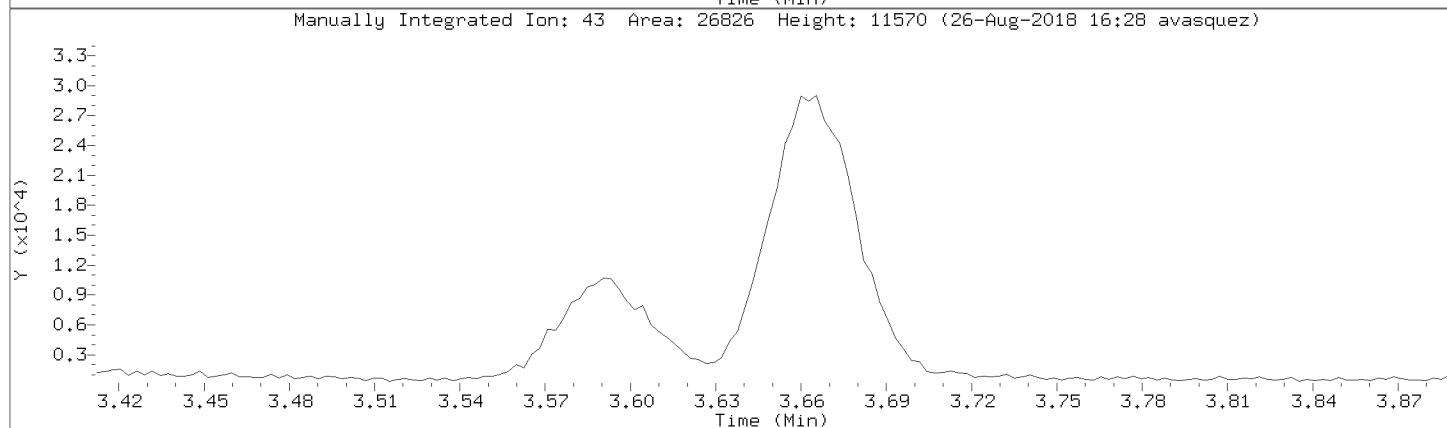
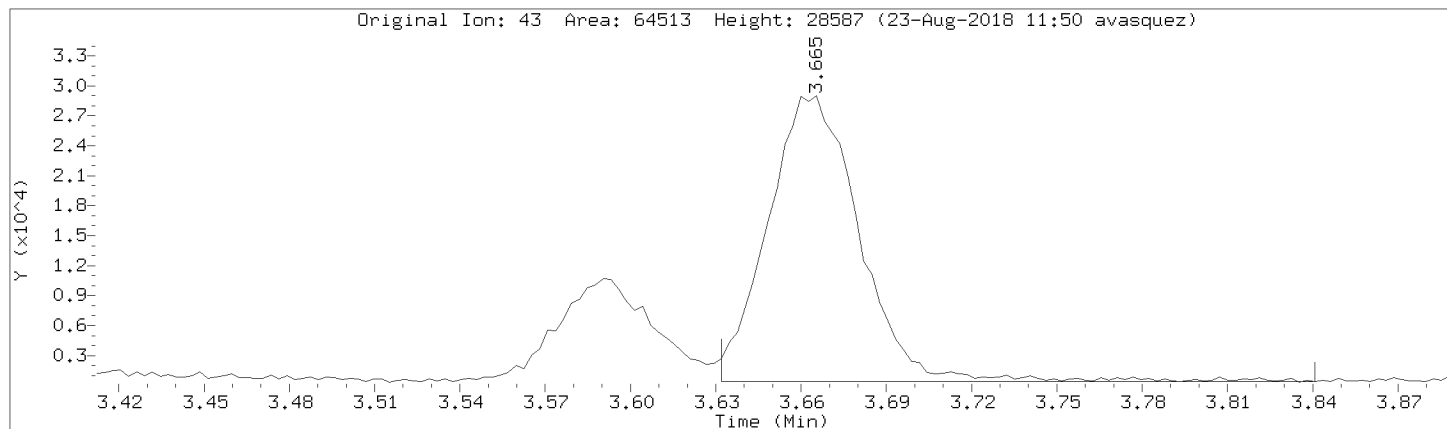
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL6

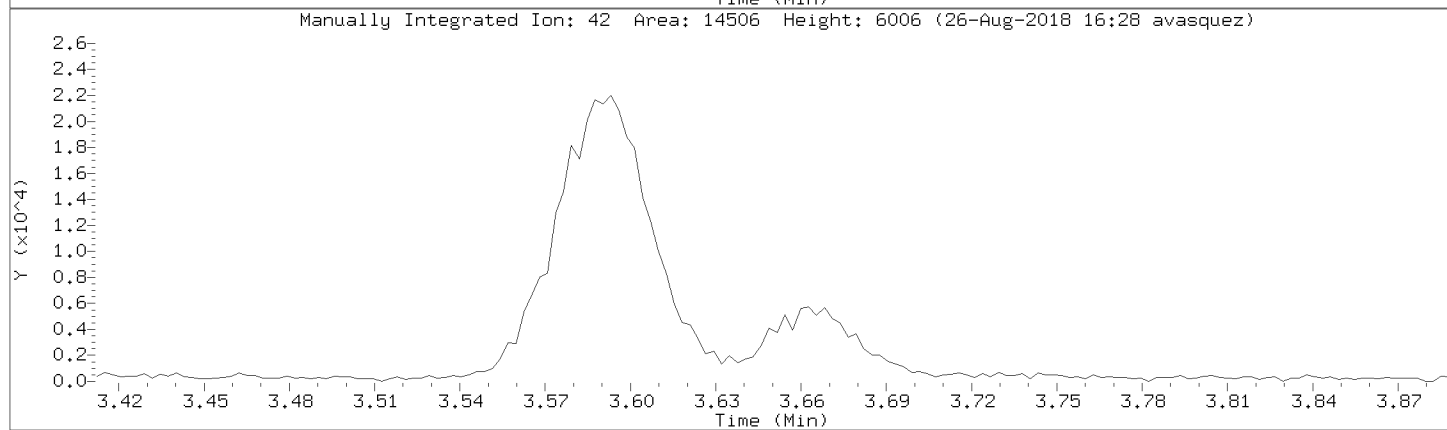
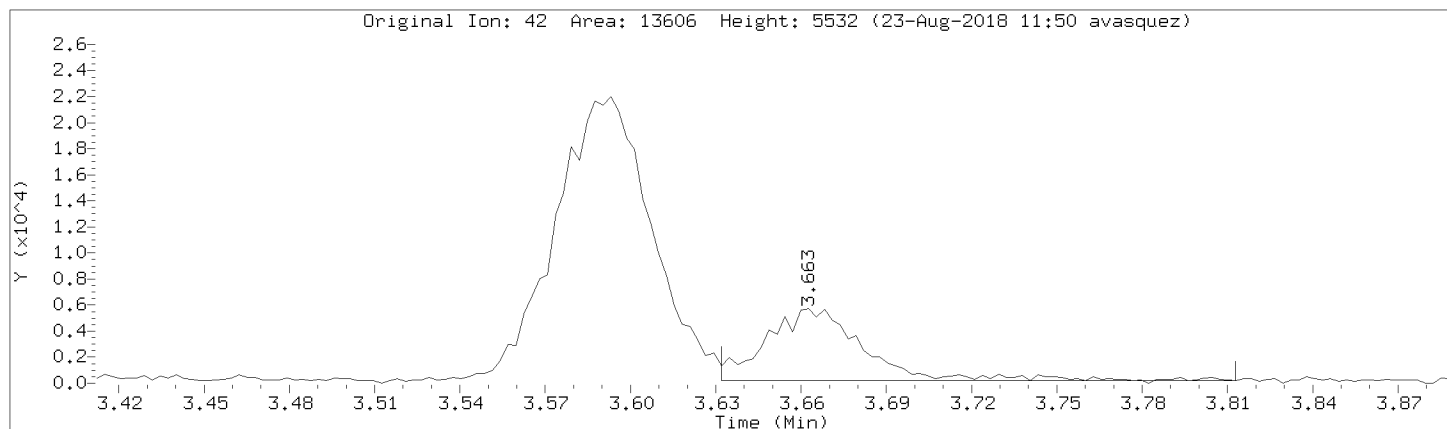
Compound: Isobutyl alcohol

Review Code: NI

CAS Number: 78-83-1

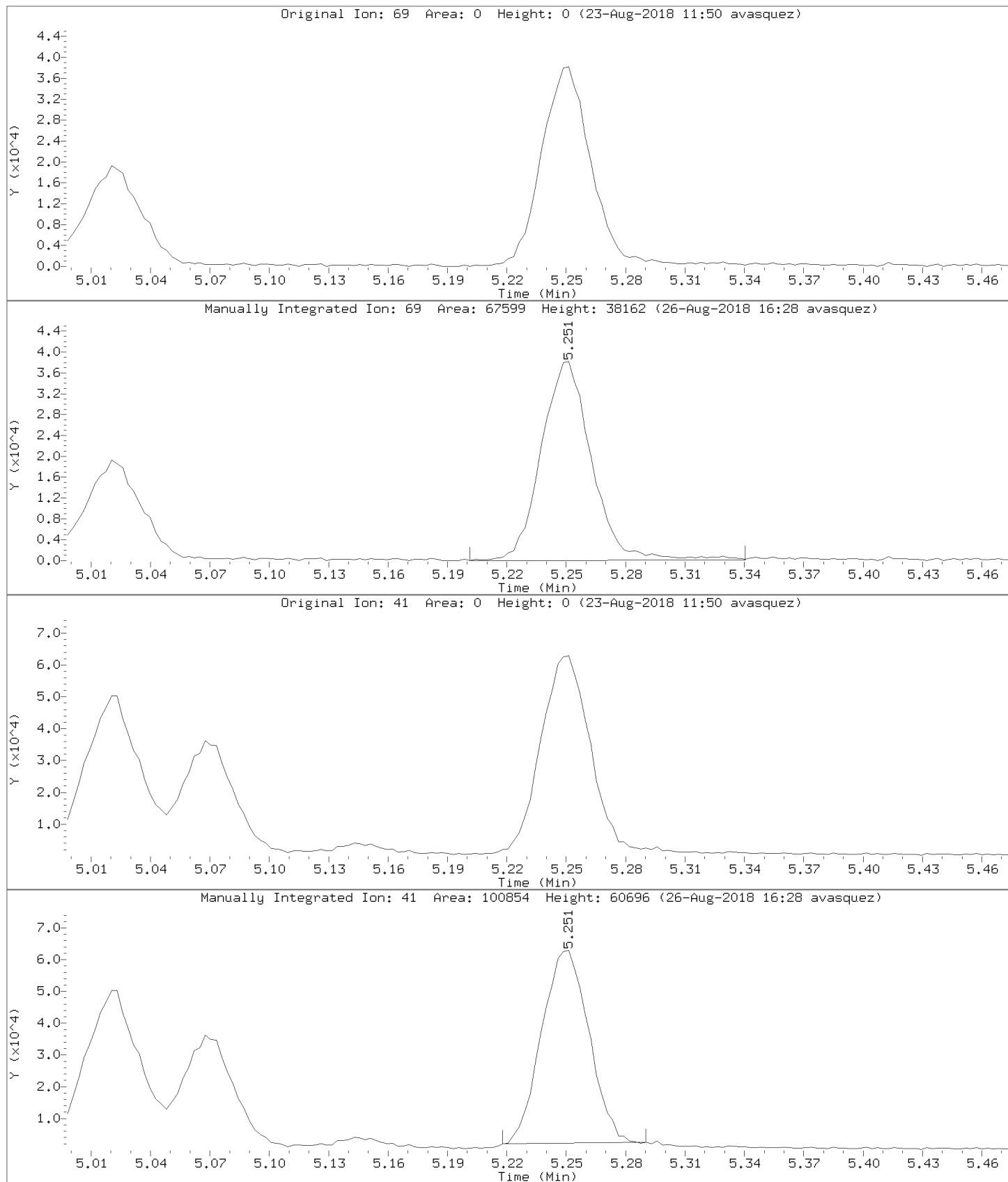


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Injection Date: 22-AUG-2018 17:02
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6

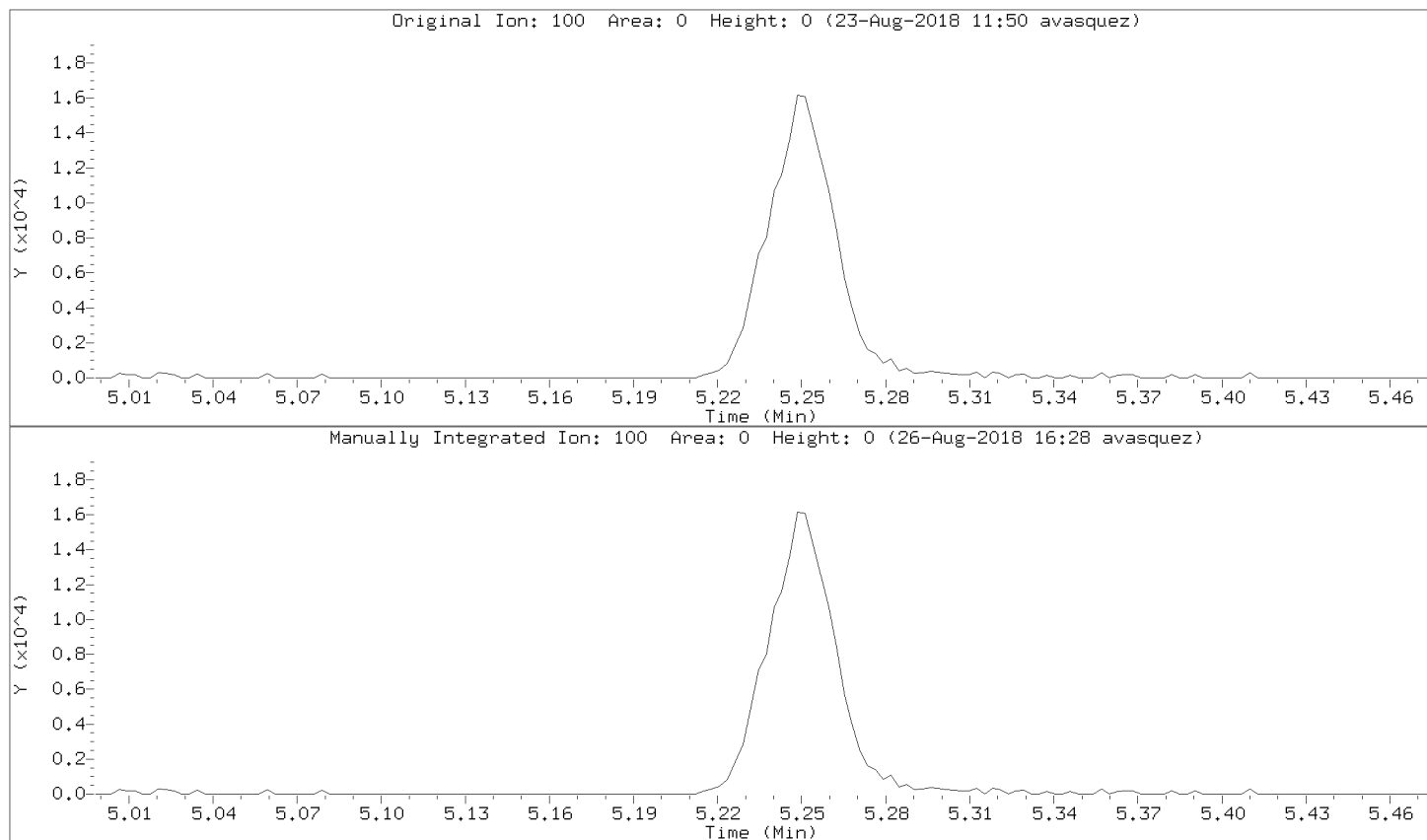


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Injection Date: 22-AUG-2018 17:02
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6

Compound: Methyl methacrylate Review Code: NI
CAS Number: 80-62-6

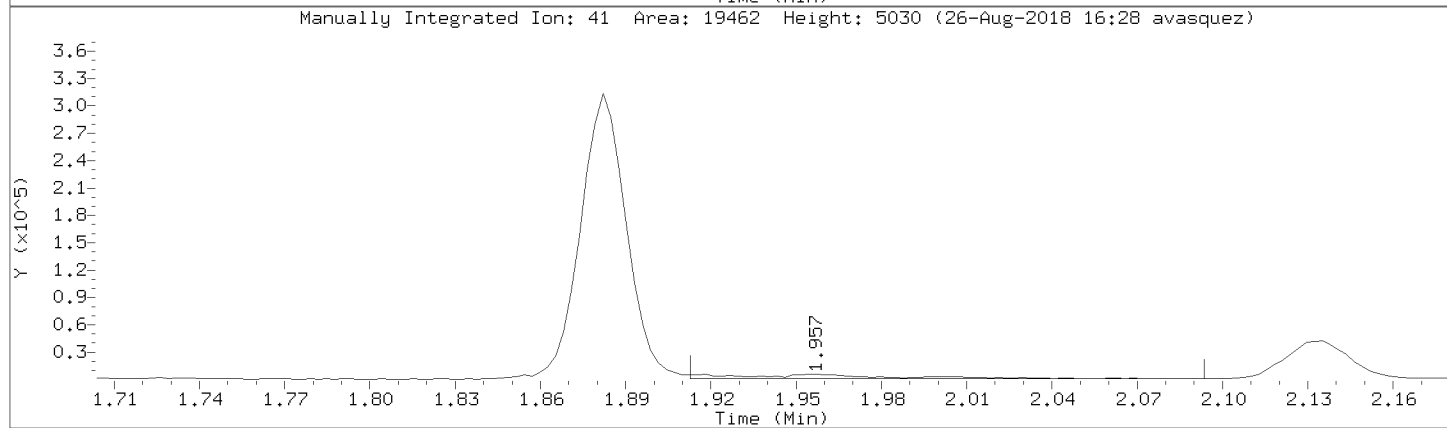
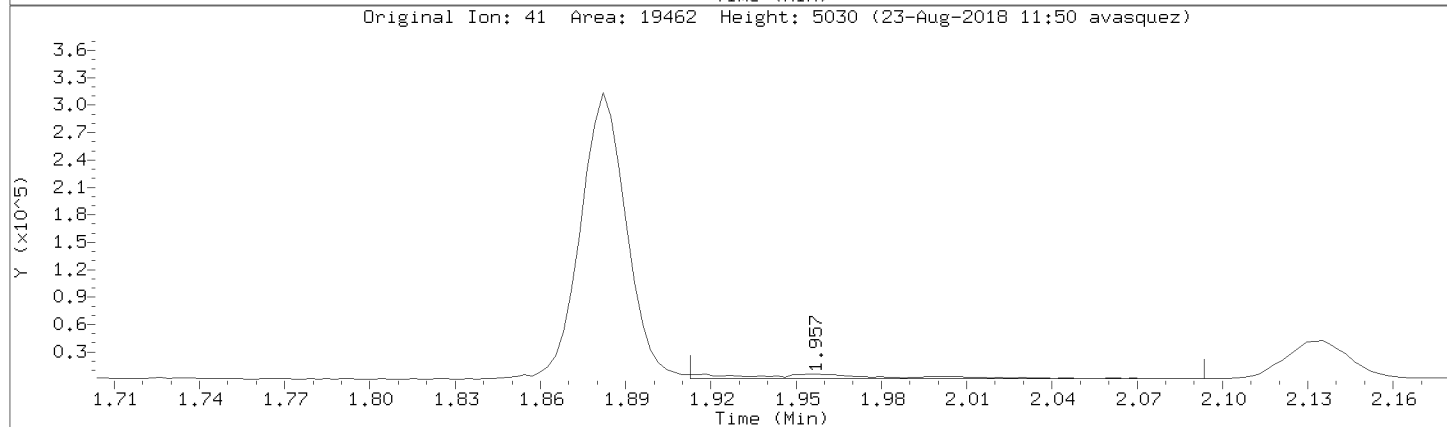
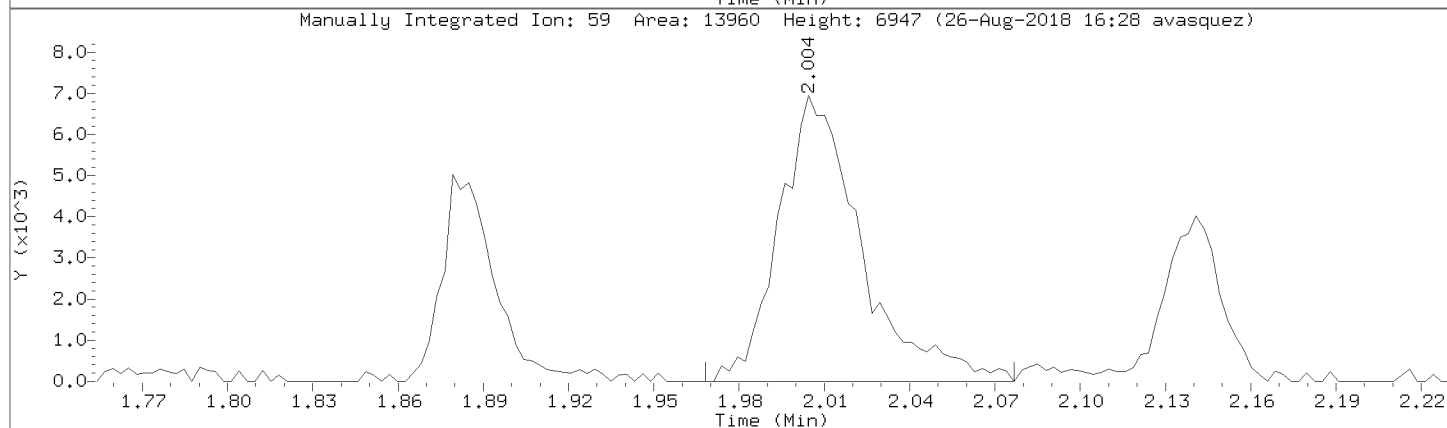
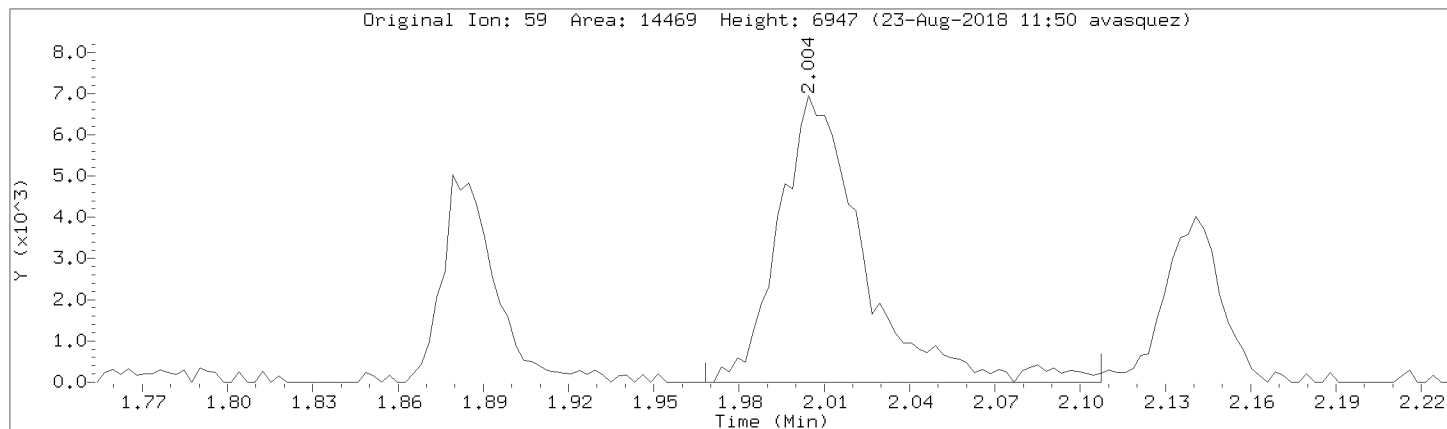


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6



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: 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

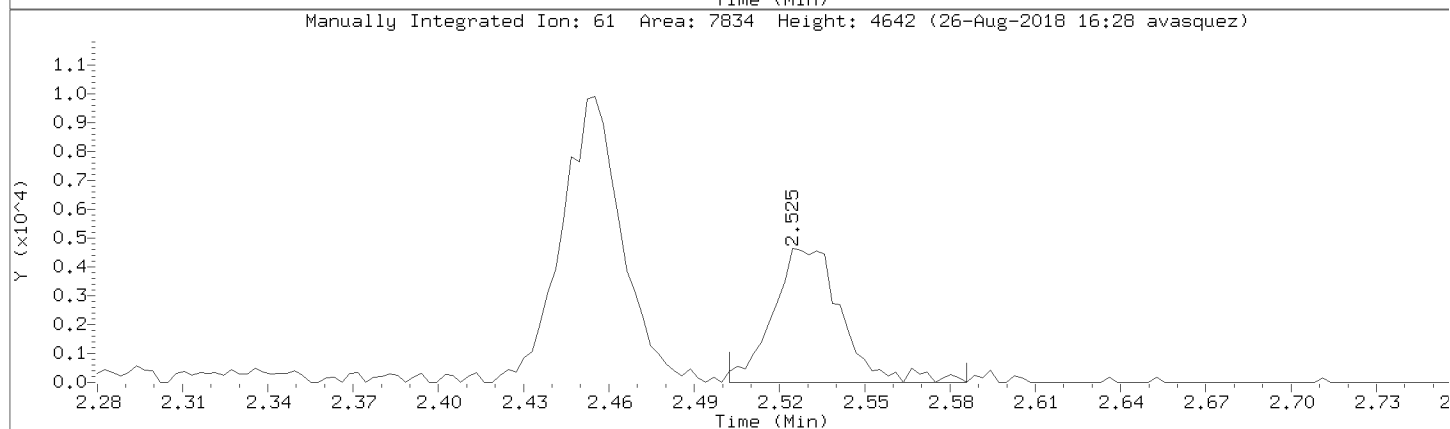
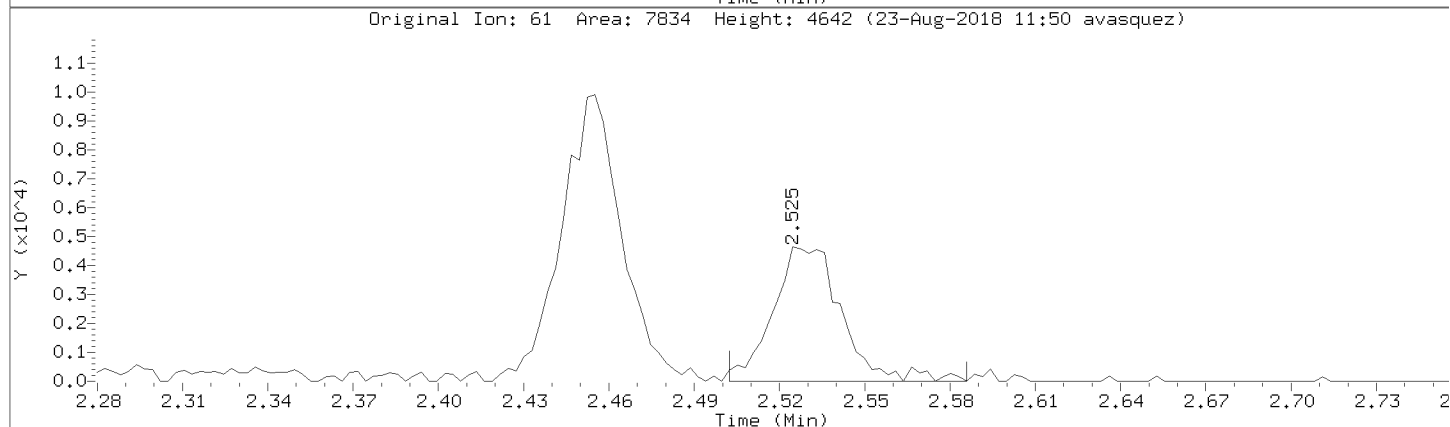
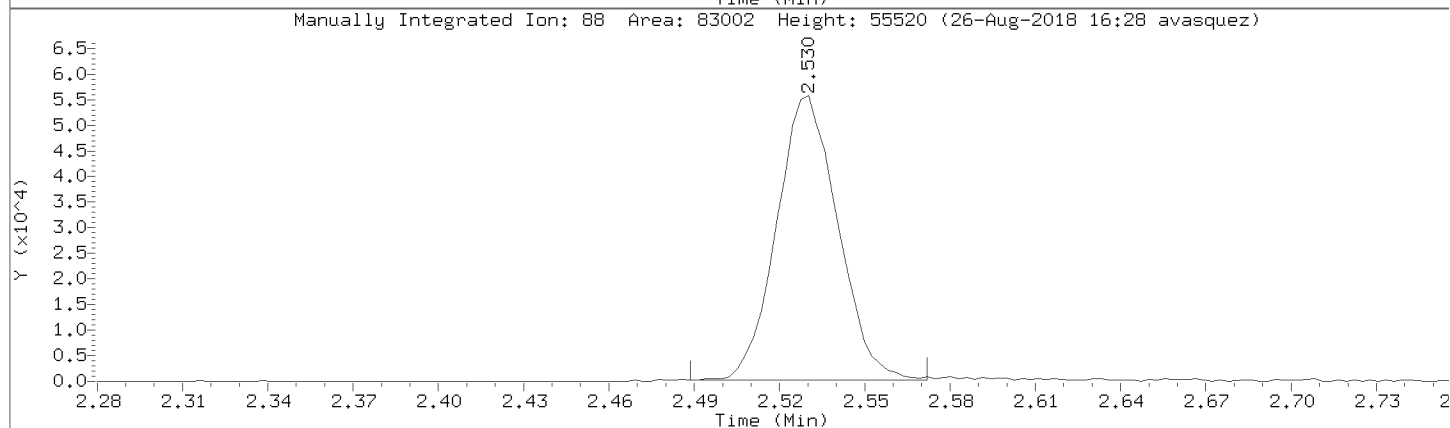
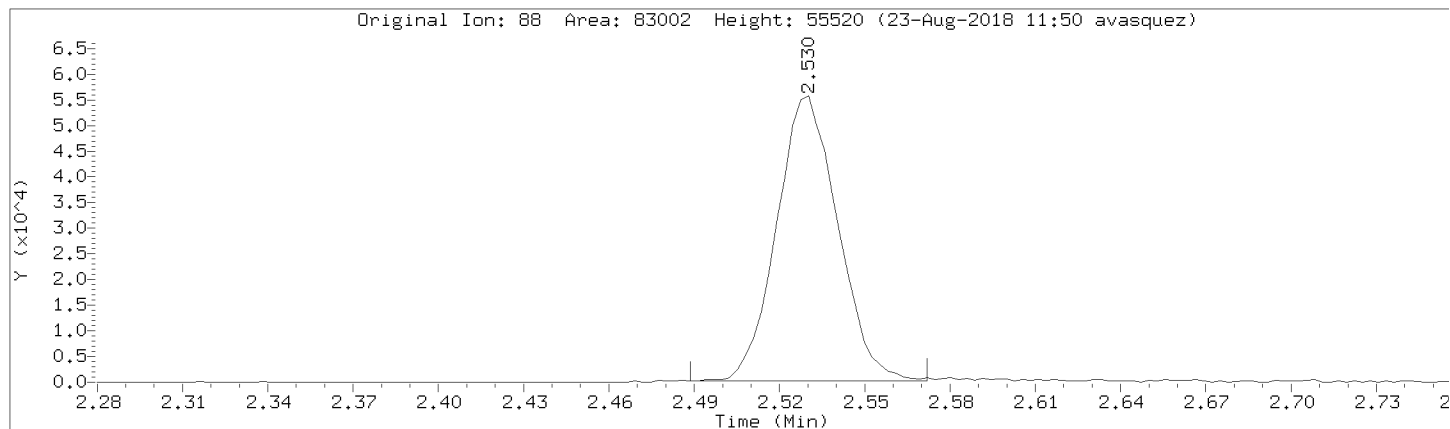
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL6

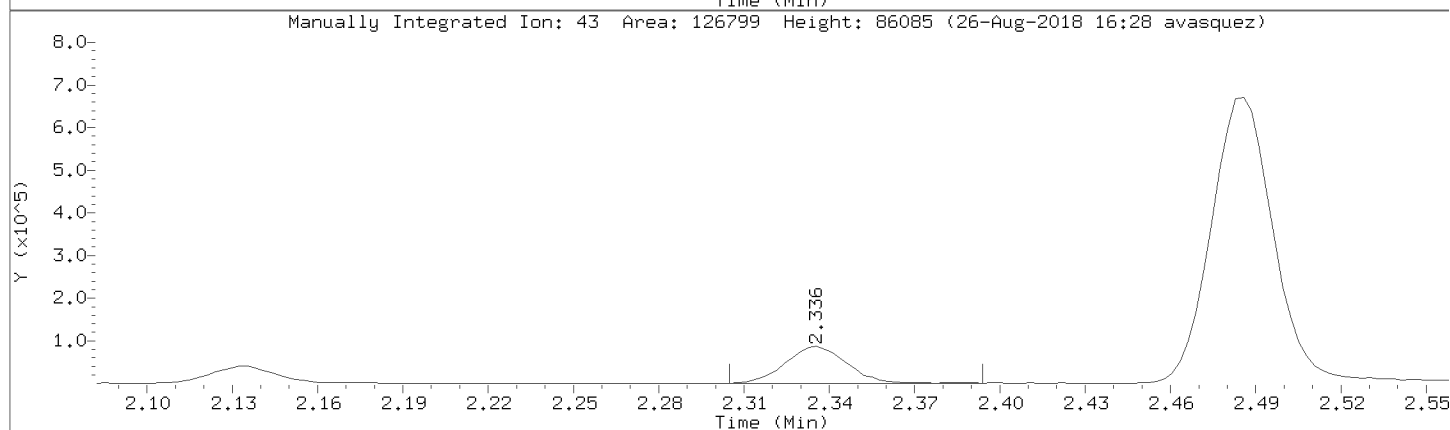
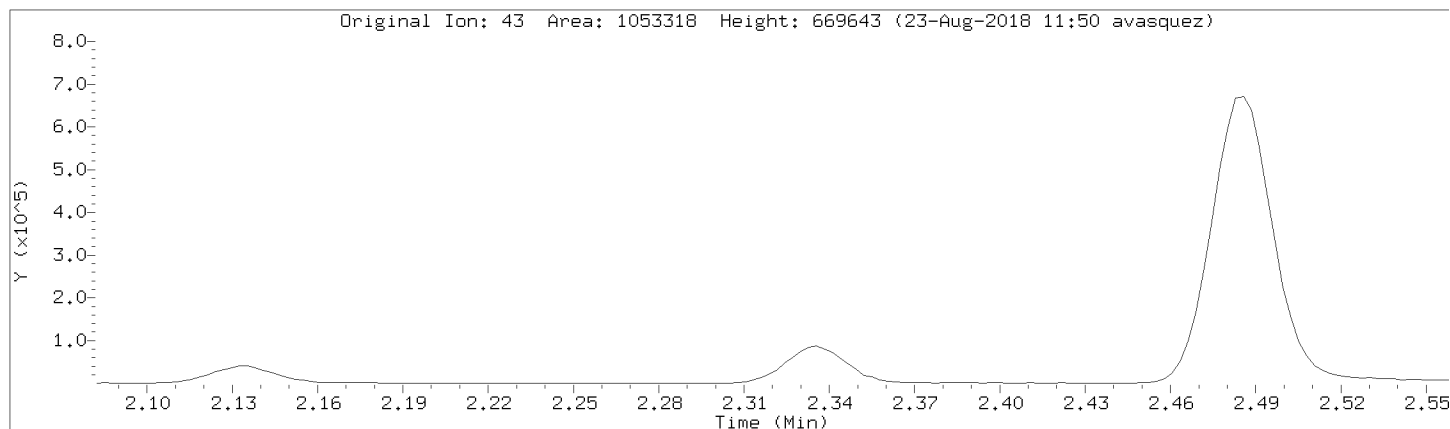
Compound: Ethyl acetate

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

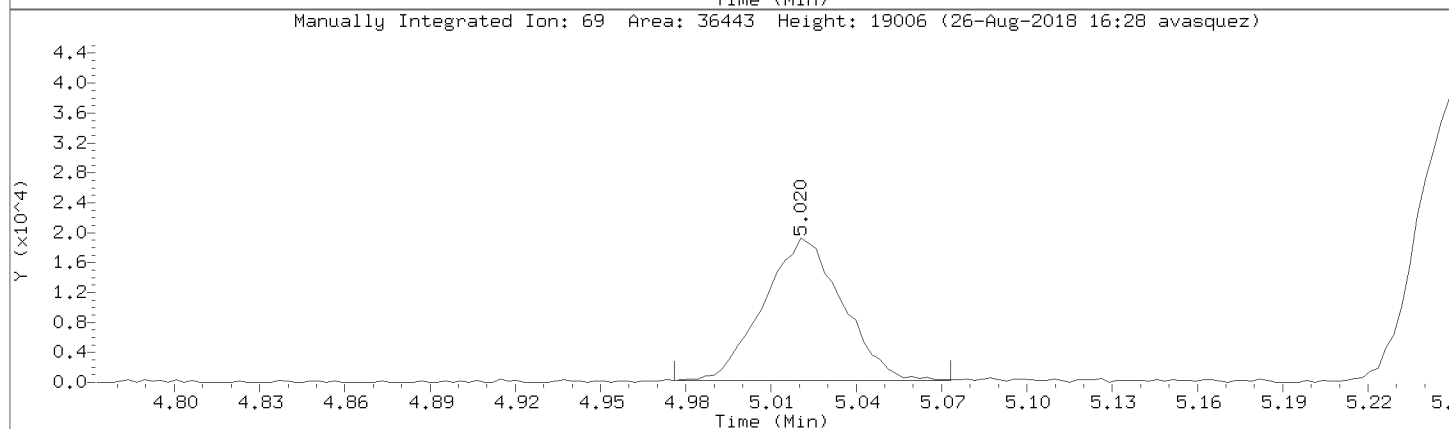
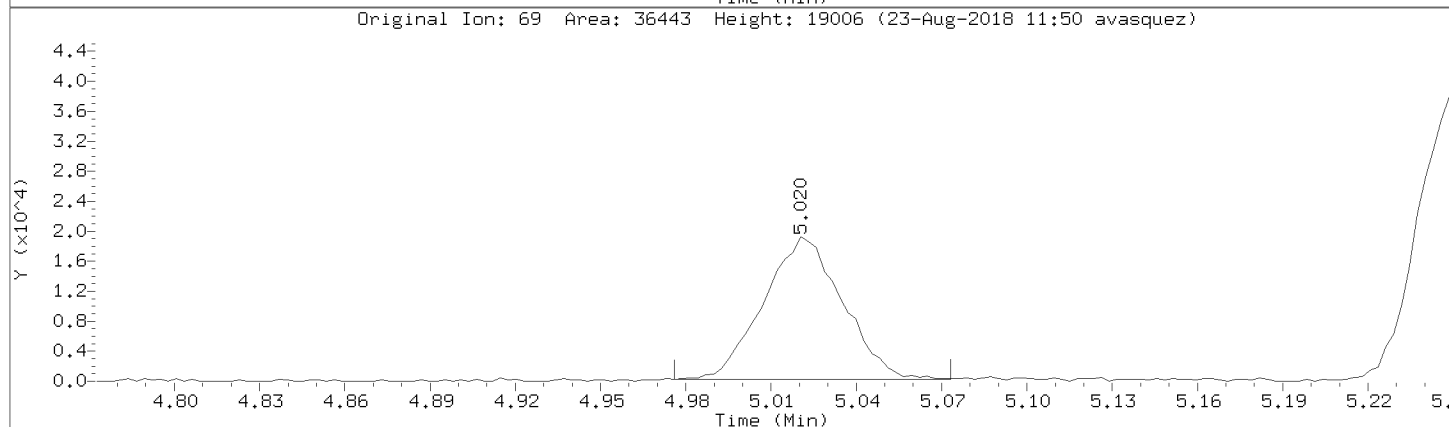
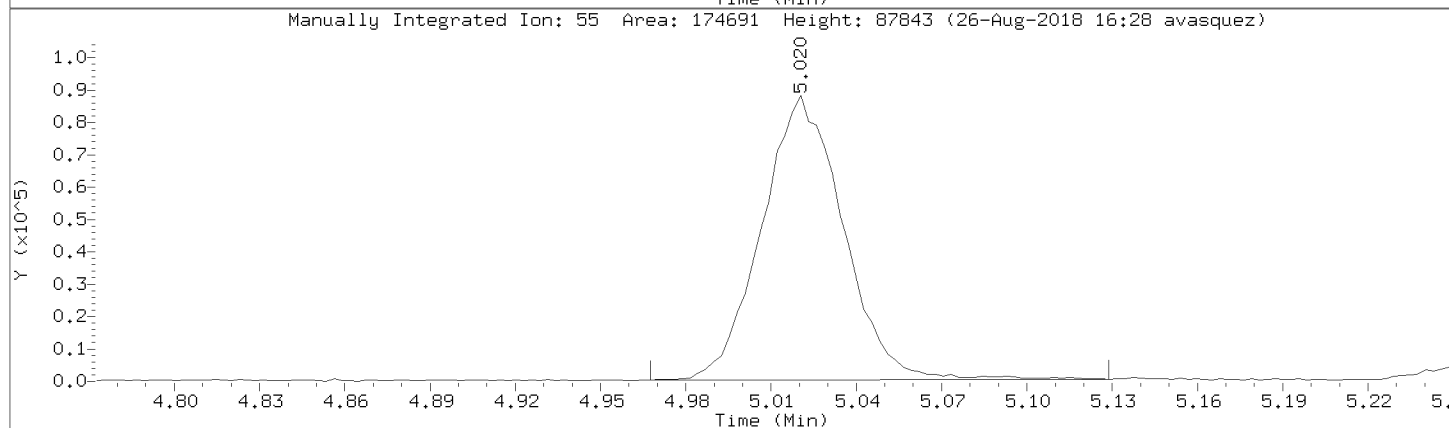
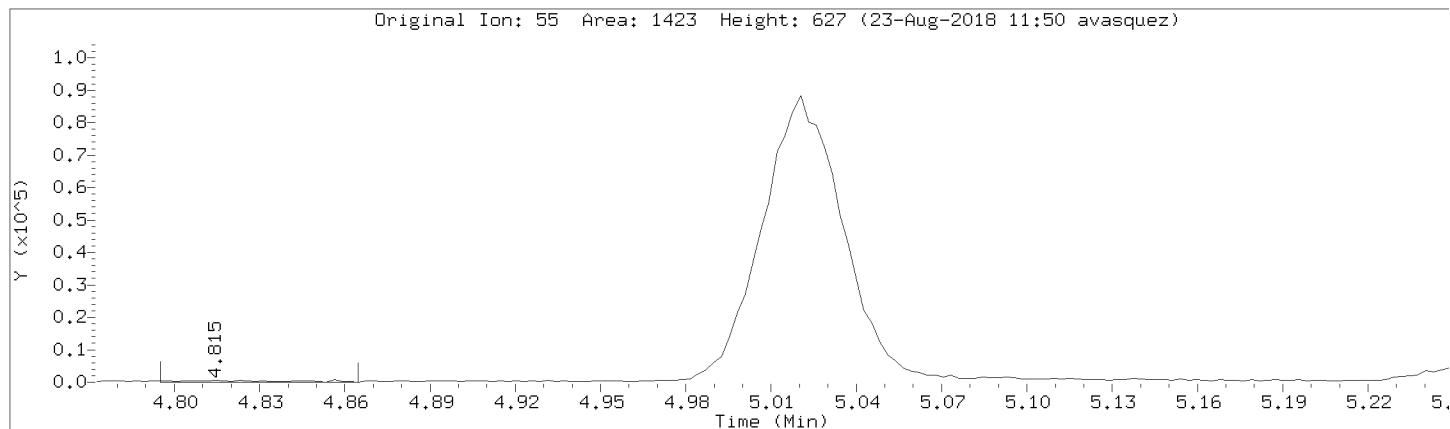
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL6

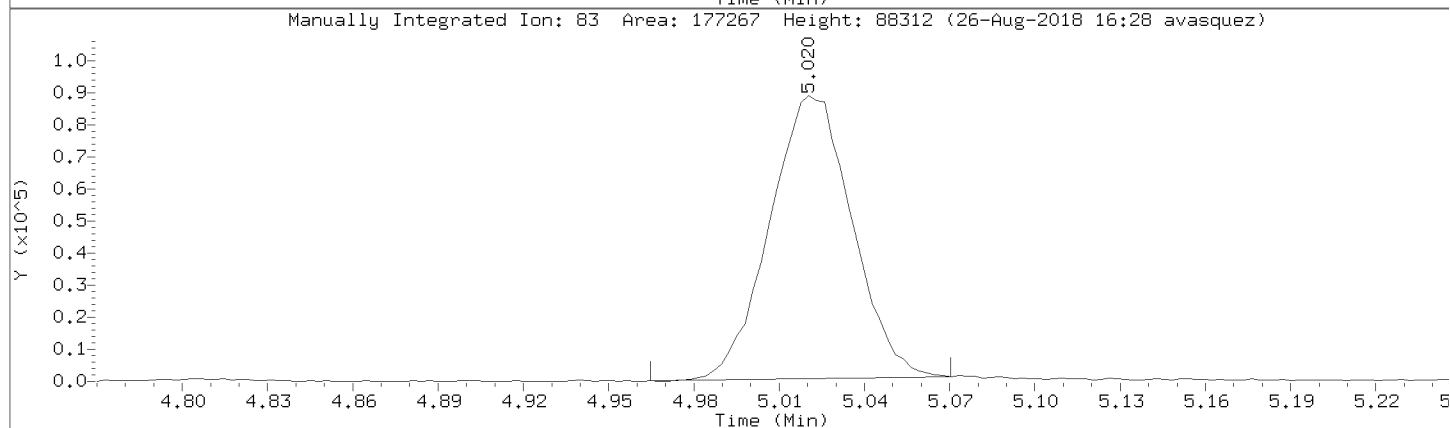
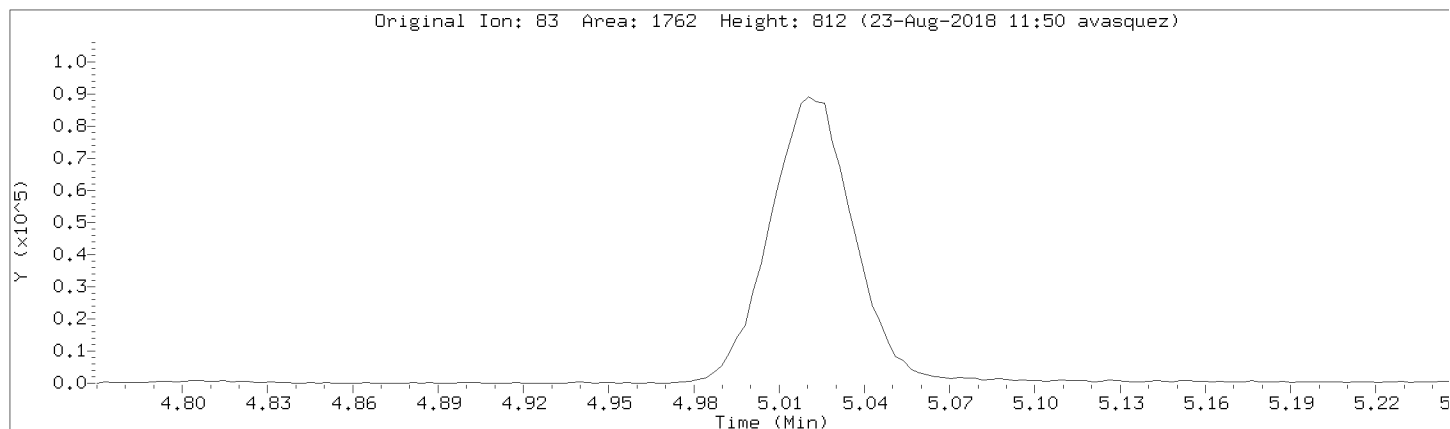
Compound: Methylcyclohexane

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

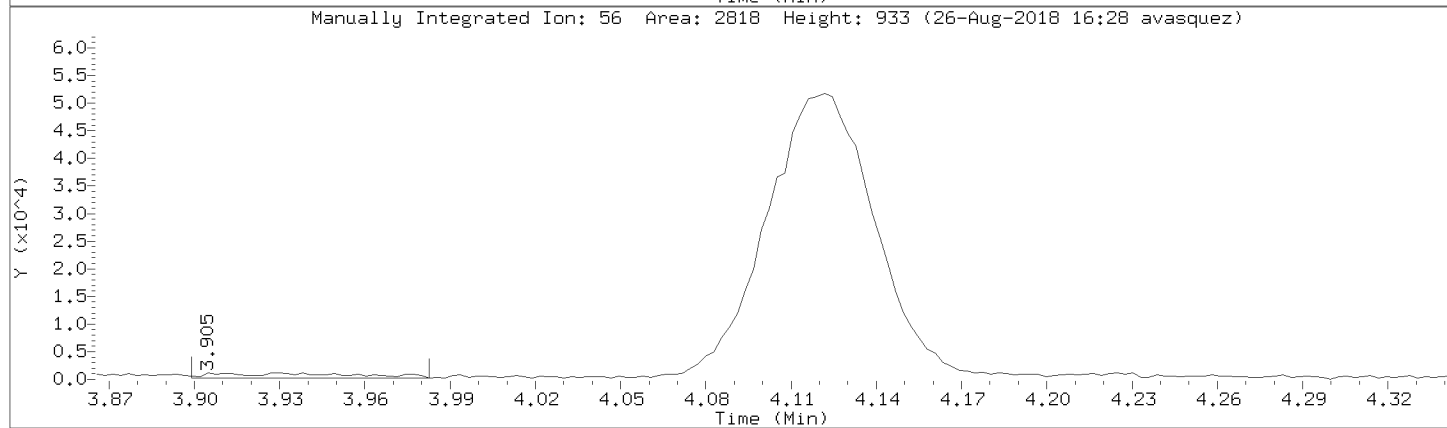
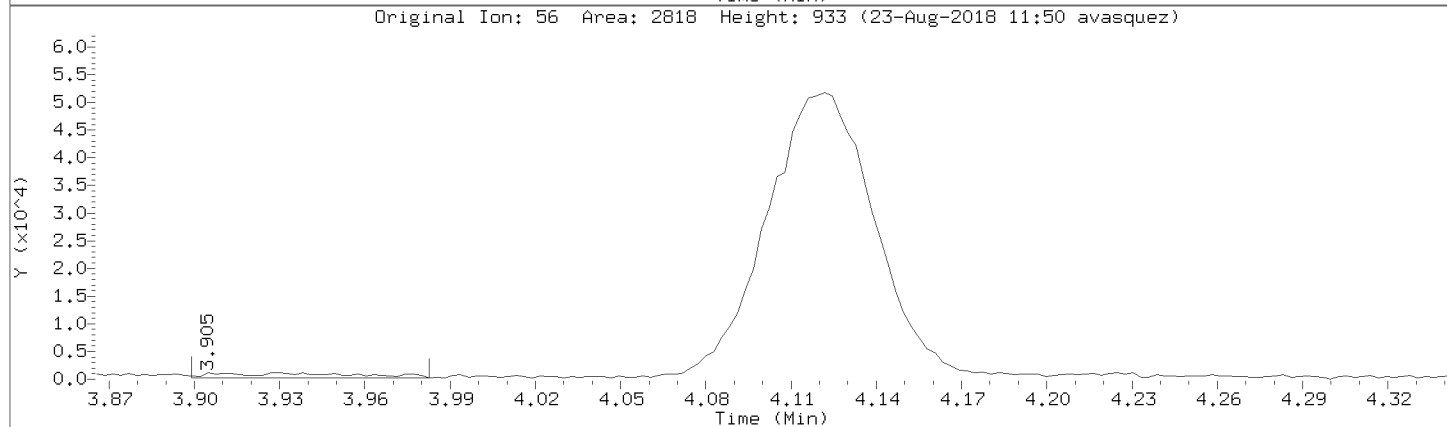
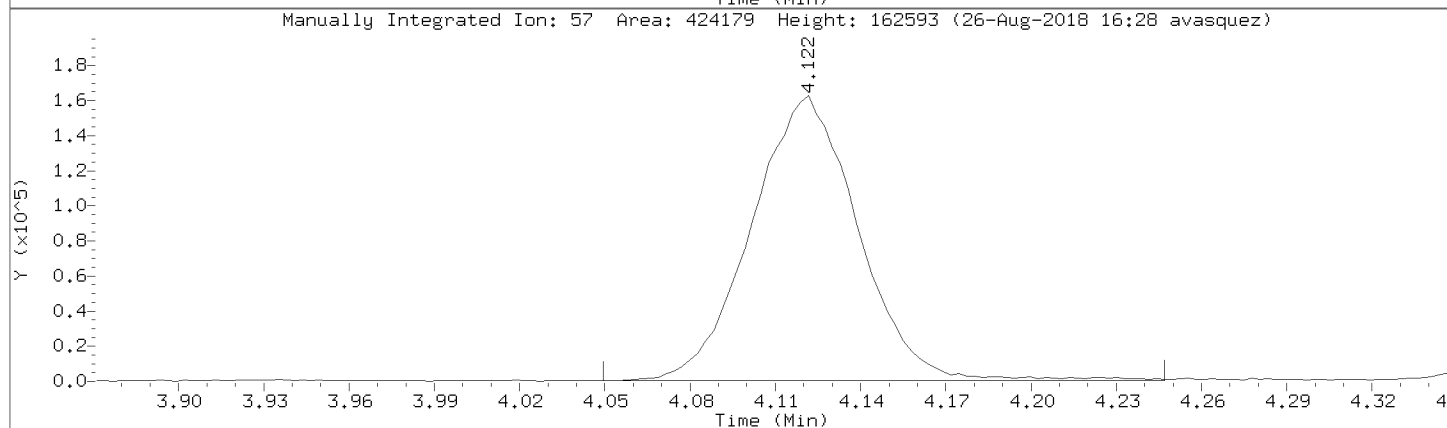
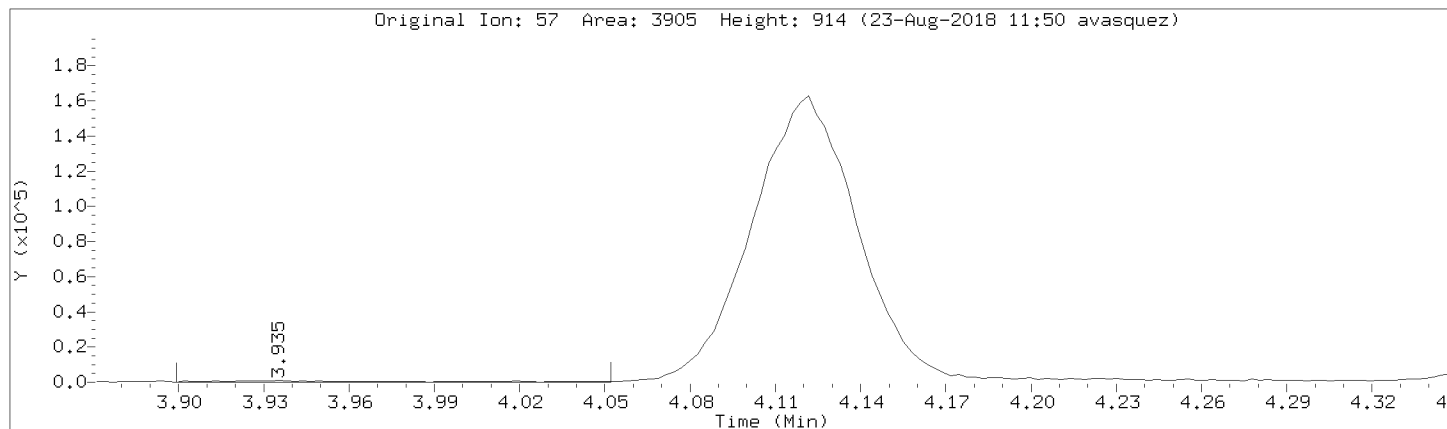
Instrument: 50mv2a.i

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

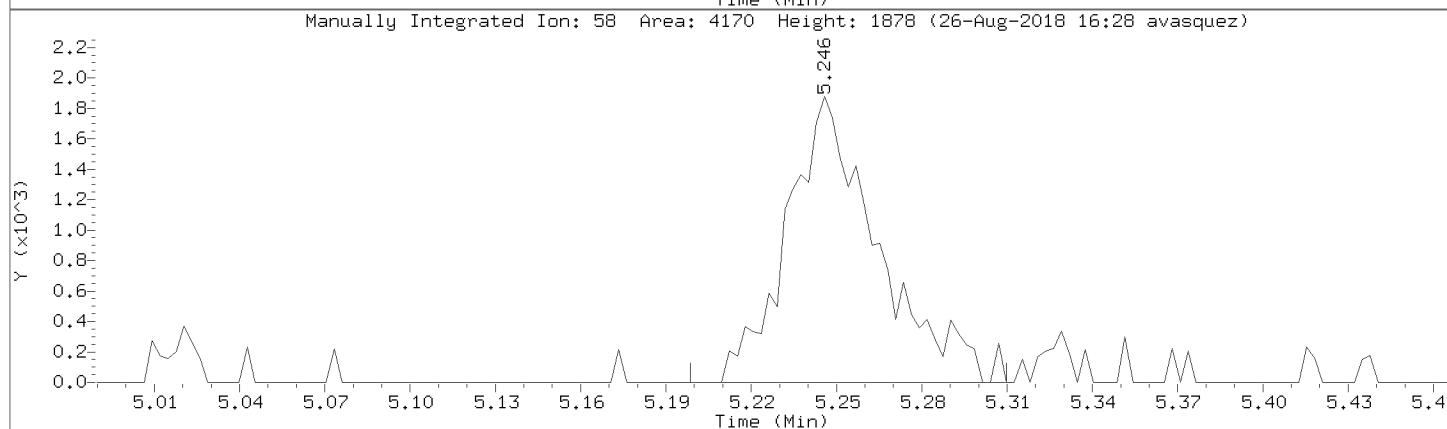
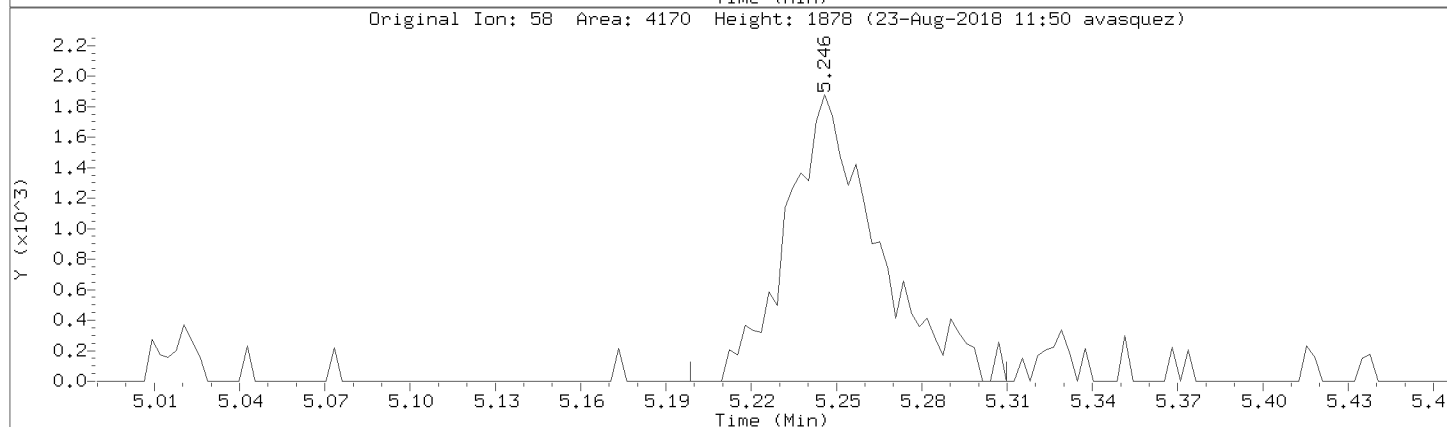
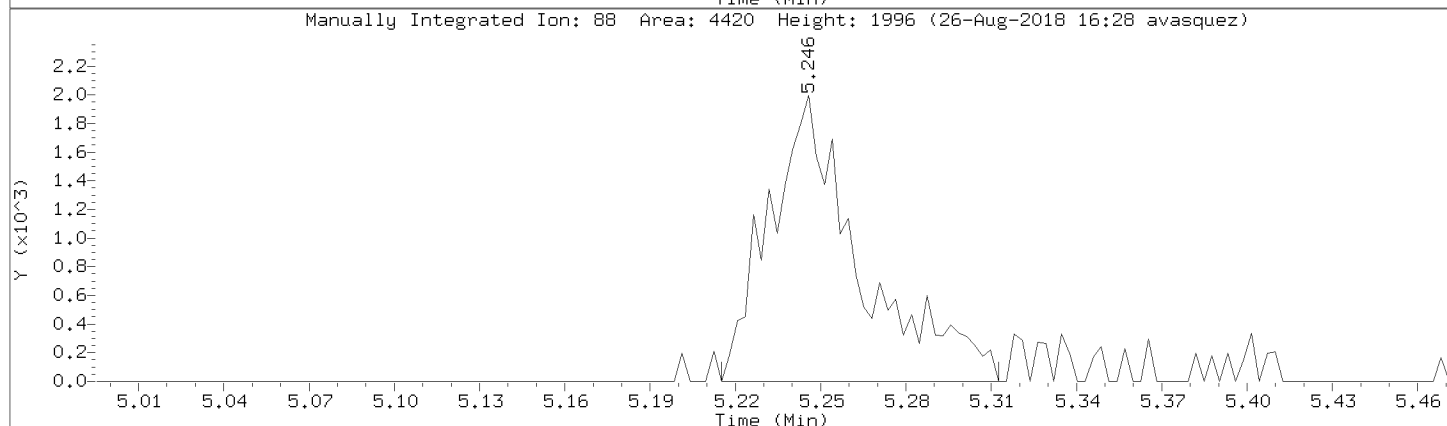
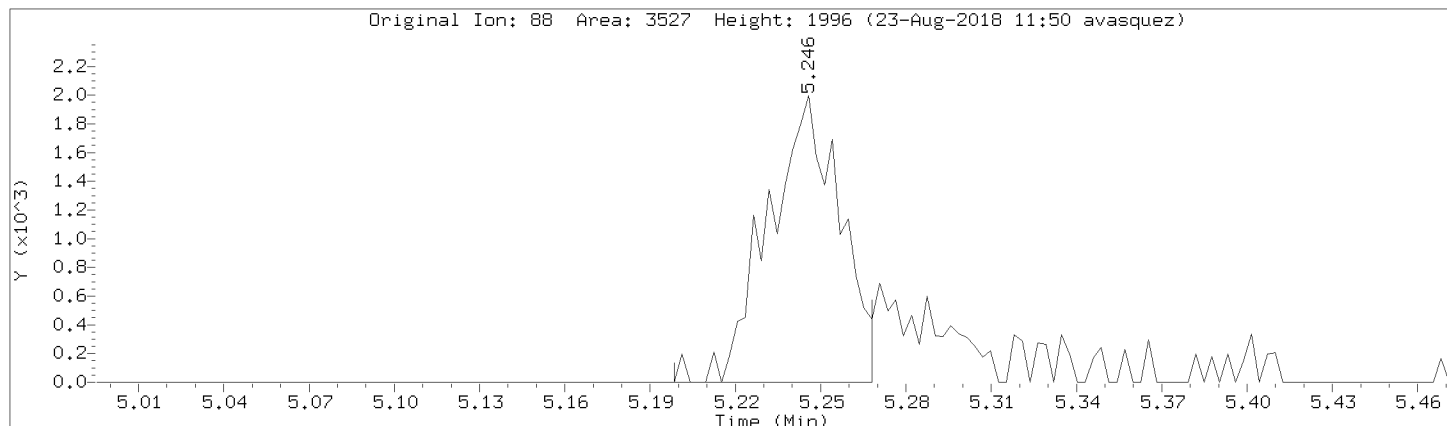
Injection Date: 22-AUG-2018 17:02

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL6

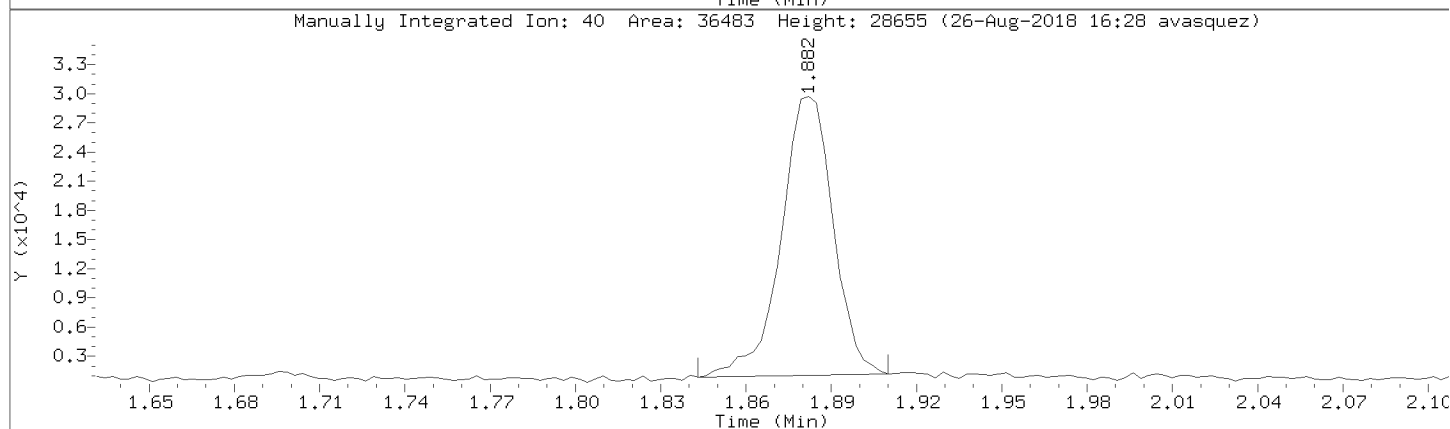
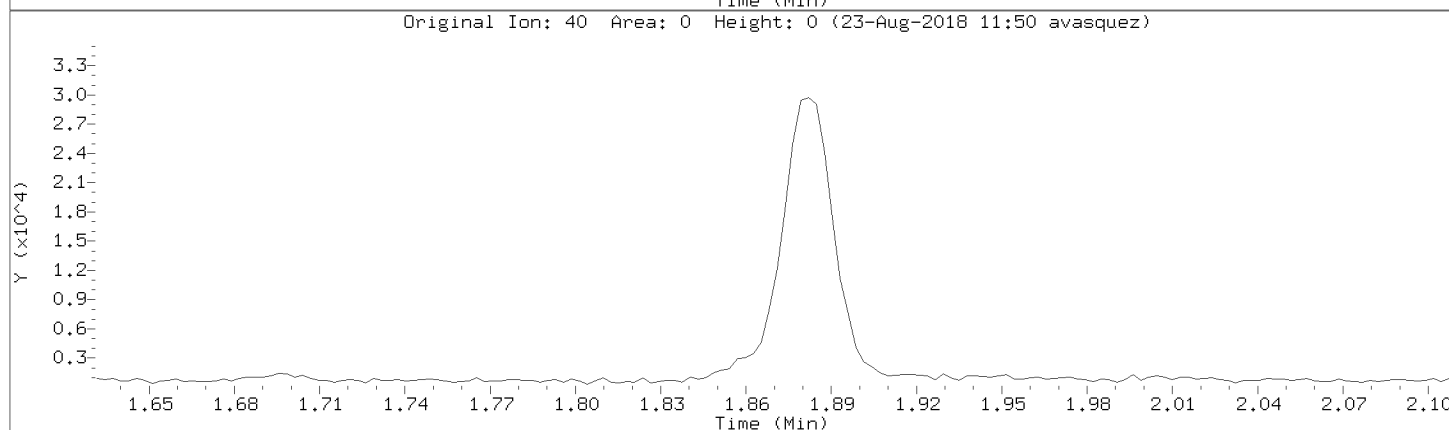
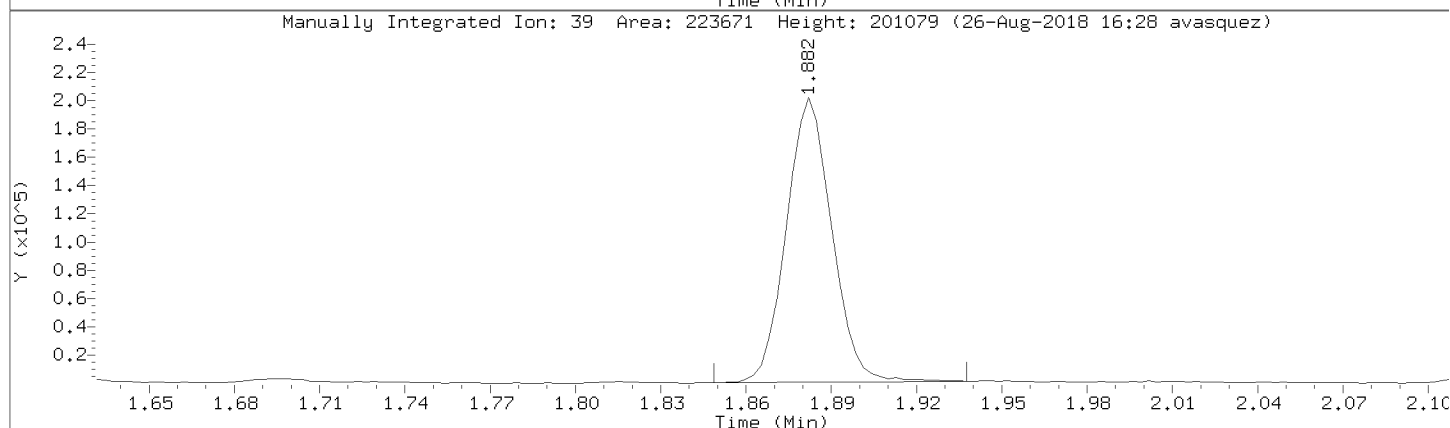
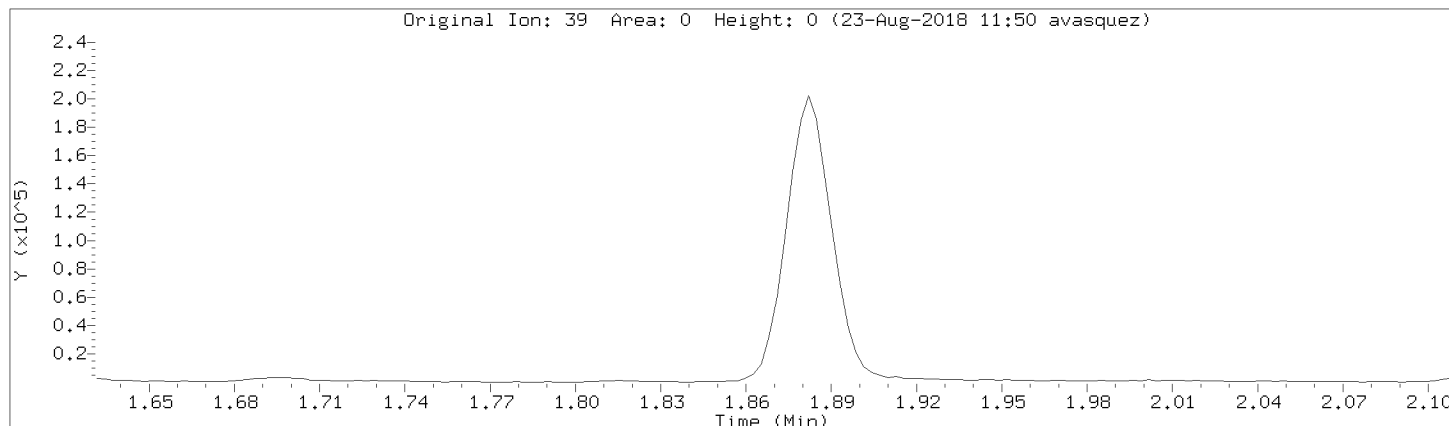
Compound: 1,4-Dioxane Review Code: LT

CAS Number:

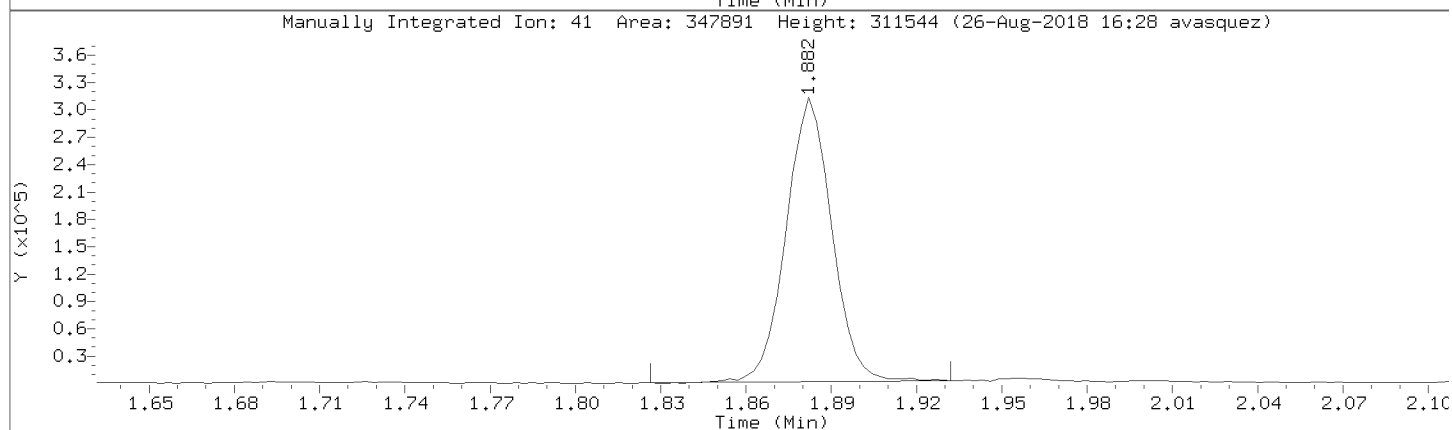
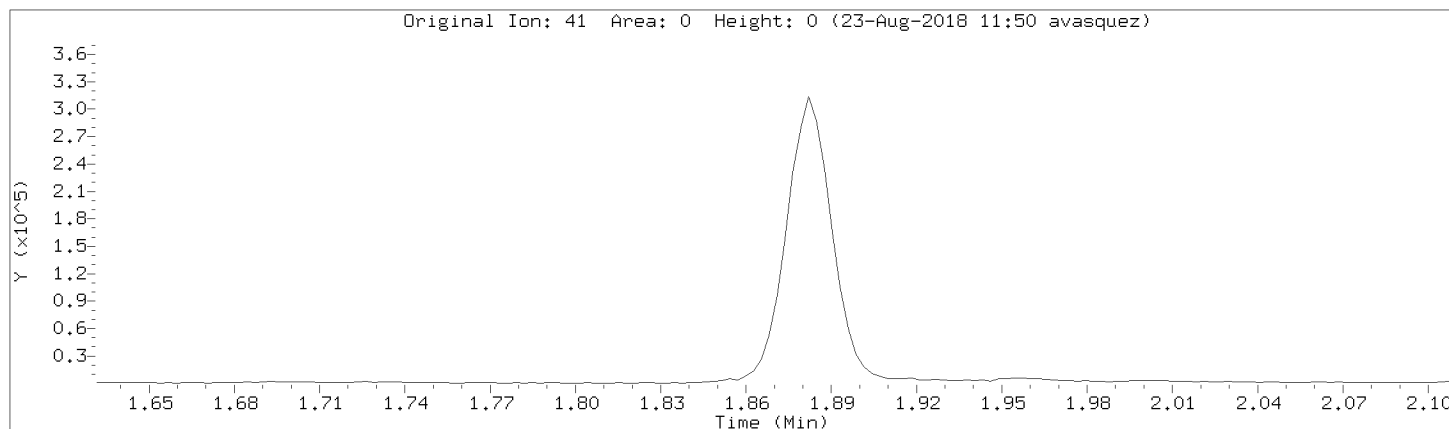


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Injection Date: 22-AUG-2018 17:02
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6

Compound: Acetonitrile Review Code: NI
CAS Number: 75-05-8

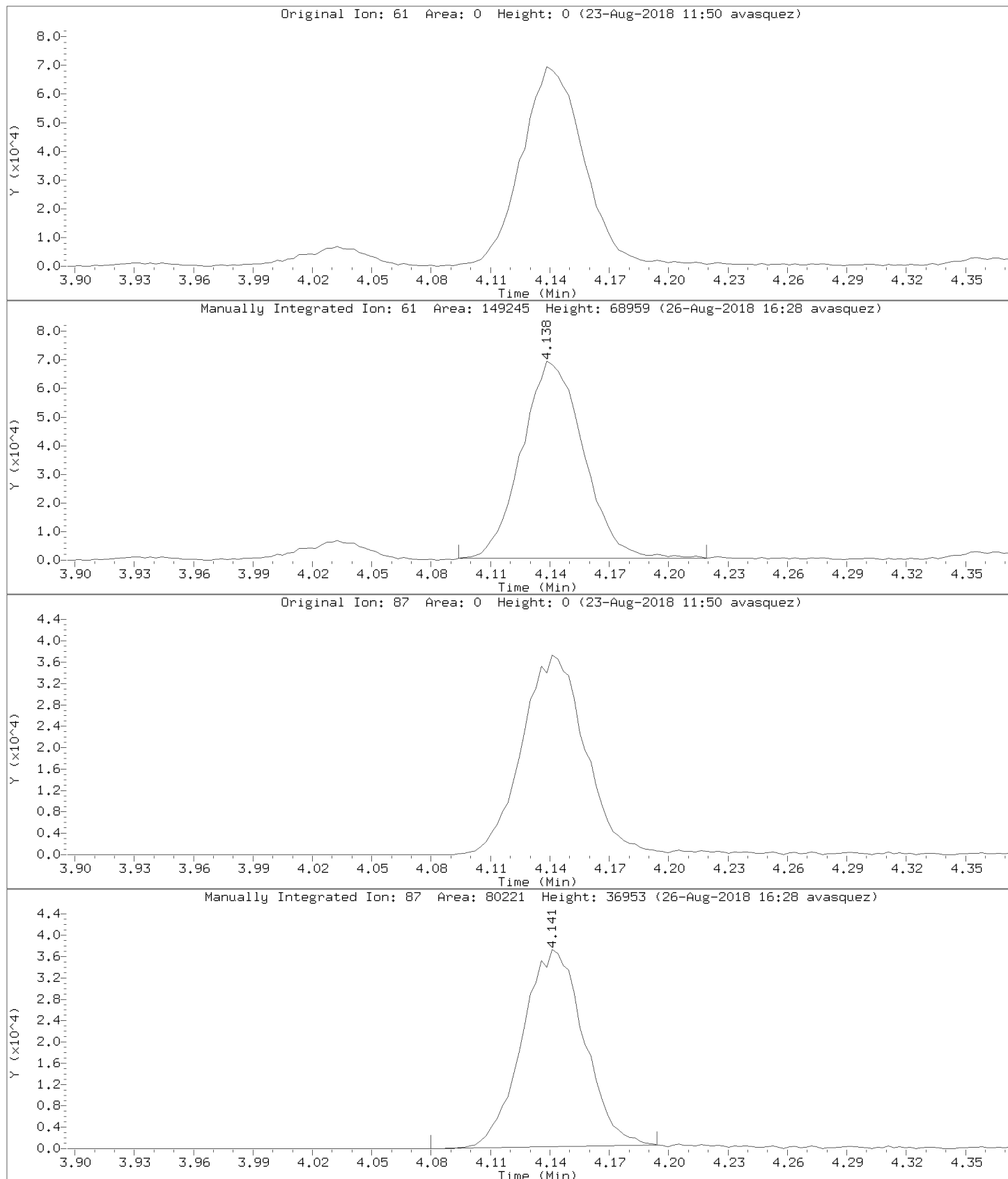


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Lab Sample ID: 8260-CAL6

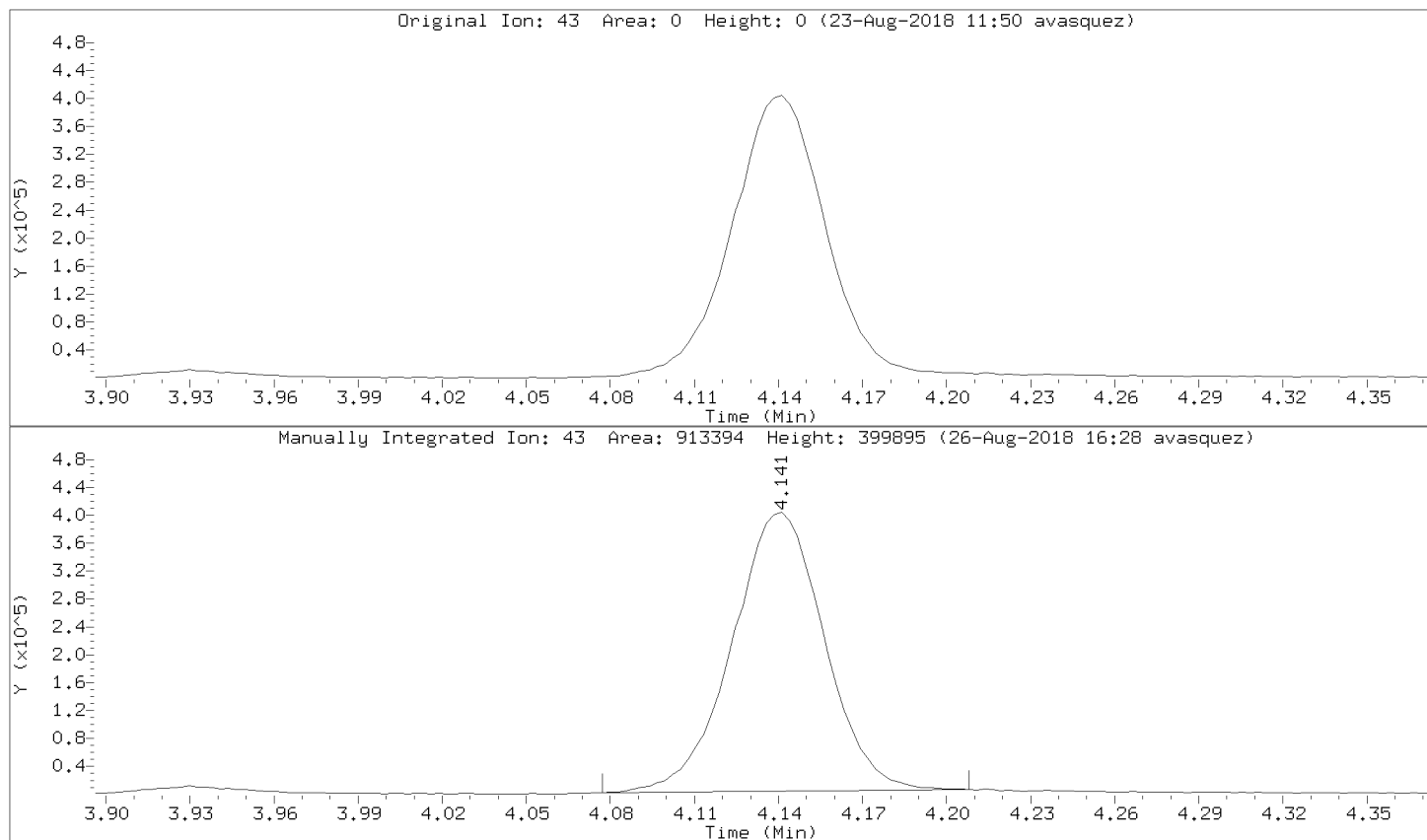


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Injection Date: 22-AUG-2018 17:02
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6

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

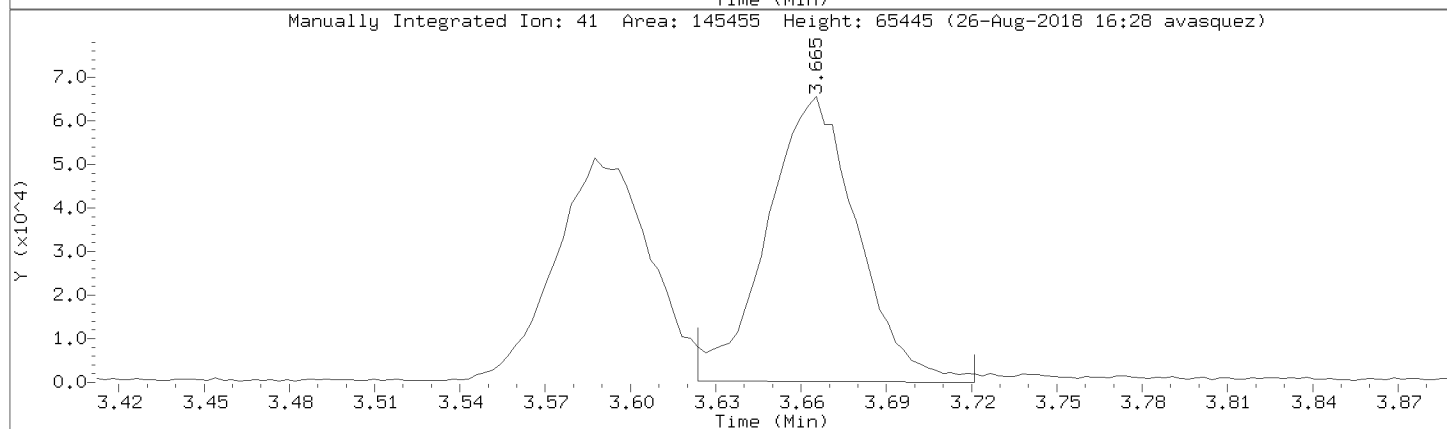
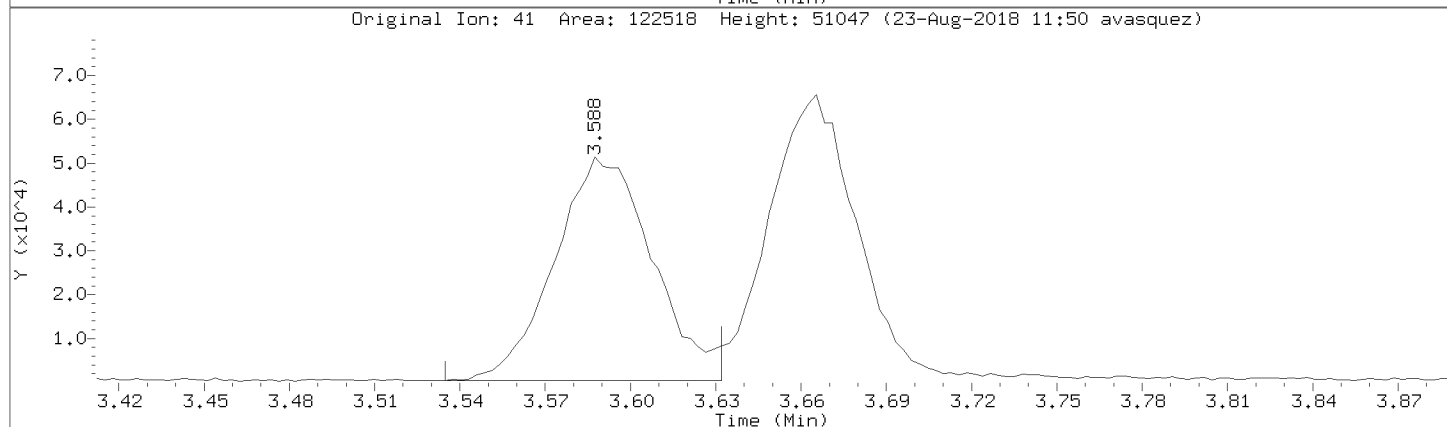
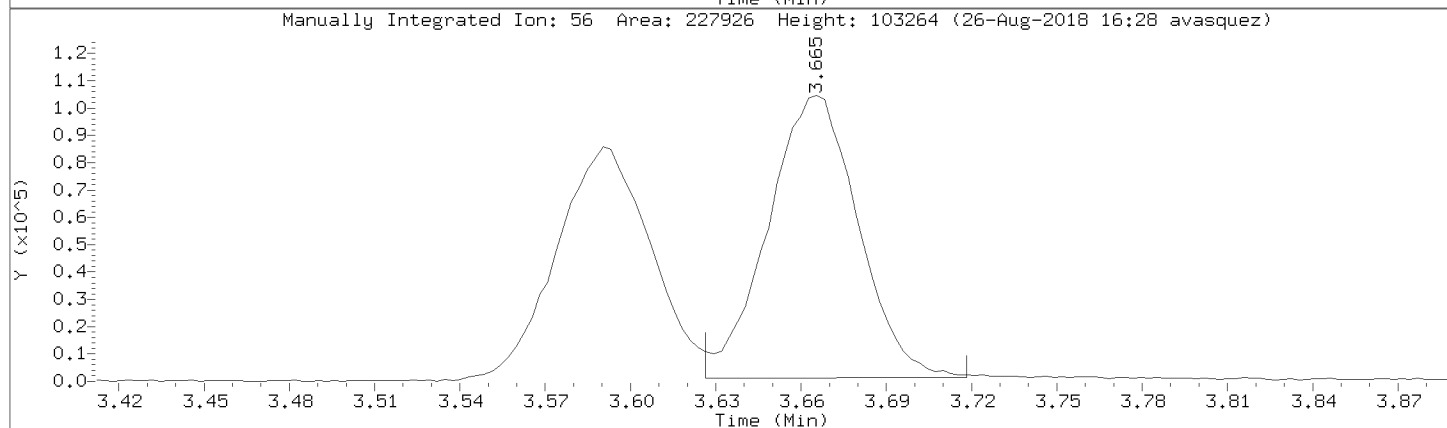
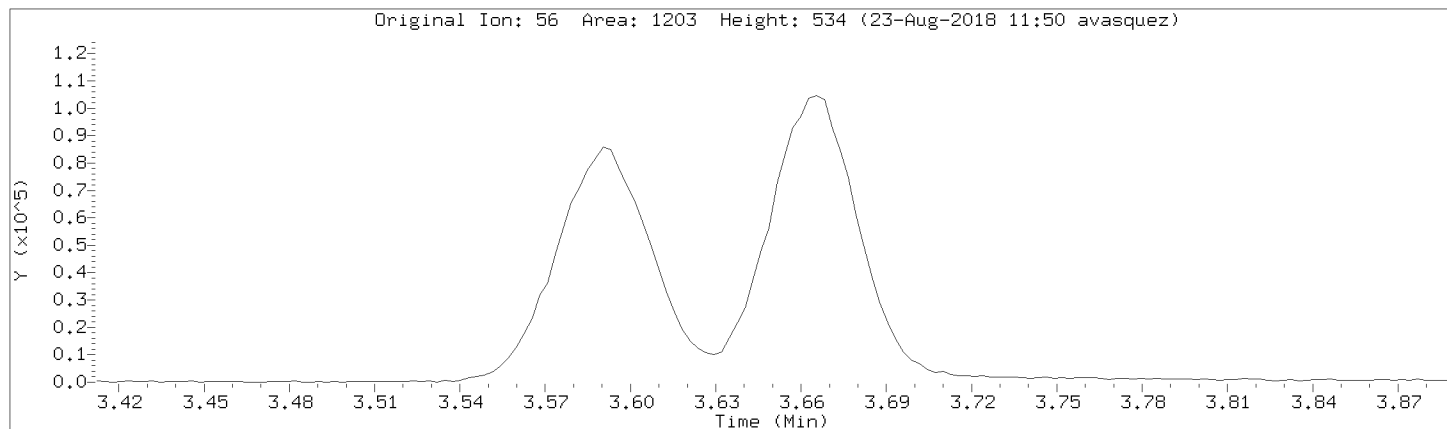


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Injection Date: 22-AUG-2018 17:02
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a07cal.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	C
			MASS	RT	EXP RT	REL RT	RESPONSE		
1 Dichlorodifluoromethane	85		0.927	0.927	(0.213)	336800	150.000	161	
2 Chloromethane	50		1.027	1.032	(0.236)	277173	150.000	152 (M)	GT
3 Vinyl Chloride	62		1.069	1.069	(0.245)	318824	150.000	141	
4 Bromomethane	94		1.227	1.230	(0.282)	110433	150.000	159	
5 Chloroethane	64		1.275	1.277	(0.292)	175366	150.000	152	
6 Trichlorofluoromethane	101		1.403	1.402	(0.322)	349892	150.000	130 (M)	NI
7 Diethyl ether	74		1.539	1.539	(0.353)	151714	150.000	136	
8 1,2-dichlorotrifluoroethane	67		1.536	1.536	(0.352)	287049	150.000	153	
9 Acrolein	56		1.614	1.614	(0.370)	1135916	3000.00	2640 (M)	NI
10 1,1,2trichlorotrifluoroethane	101		1.664	1.667	(0.382)	254387	150.000	146	
11 1,1-Dichloroethene	96		1.675	1.675	(0.384)	231305	150.000	132 (M)	NI
12 Acetone	43		1.695	1.695	(0.389)	374363	750.000	765 (M)	NI
13 Iodomethane	142		1.770	1.770	(0.406)	564689	300.000	286 (M)	NI
14 Carbon Disulfide	76		1.814	1.814	(0.416)	737315	150.000	142	
15 Methyl Acetate	43		1.695	1.695	(0.389)	366716	150.000	149	
16 Acetonitrile	39		1.881	1.881	(0.431)	478827	150.000	86.0 (M)	LT
17 allyl chloride	41		1.881	1.881	(0.431)	733261	300.000	201 (QM)	NI
18 Methylene Chloride	84		1.956	1.956	(0.449)	242020	150.000	148 (M)	NI
19 tert-Butyl Alcohol	59		2.003	2.003	(0.460)	45012	300.000	285 (Q)	
20 Acrylonitrile	53		2.115	2.112	(0.485)	432028	600.000	552 (M)	BA
21 Methyl-tert-butyl ether	73		2.134	2.134	(0.490)	801877	150.000	149	
22 1,2-Dichloroethene (trans)	96		2.140	2.140	(0.491)	270015	150.000	141	
23 n-Hexane	57		2.335	2.335	(0.535)	549508	150.000	148	

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.

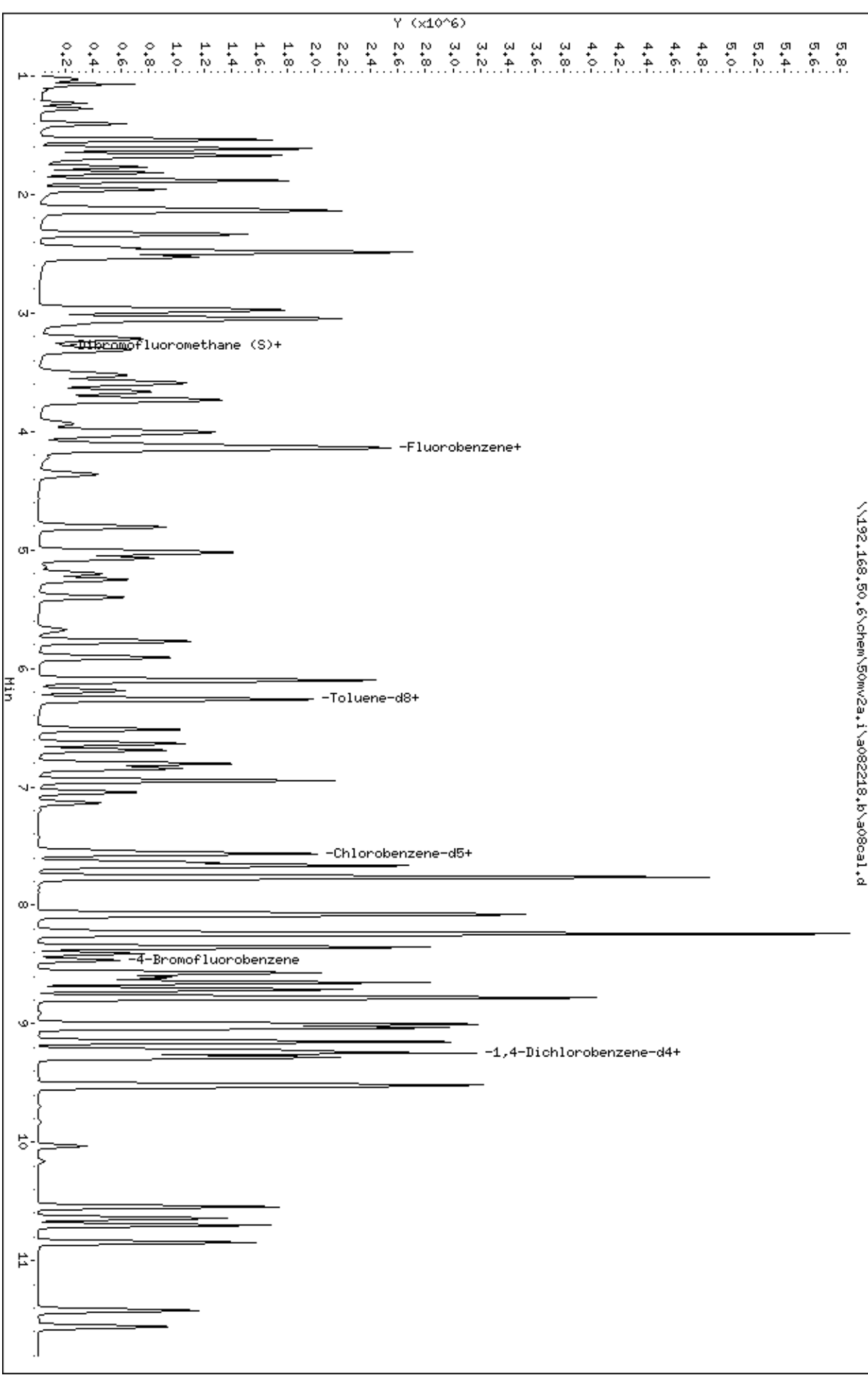
Review Codes Legend

- 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.

Data File: \\192.168.50.6\chem\50mw2a.1\A082218.b\A080a1.d
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Client ID: 8260-CAL7
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



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\08cal.d

Injection Date: 22-AUG-2018 17:35

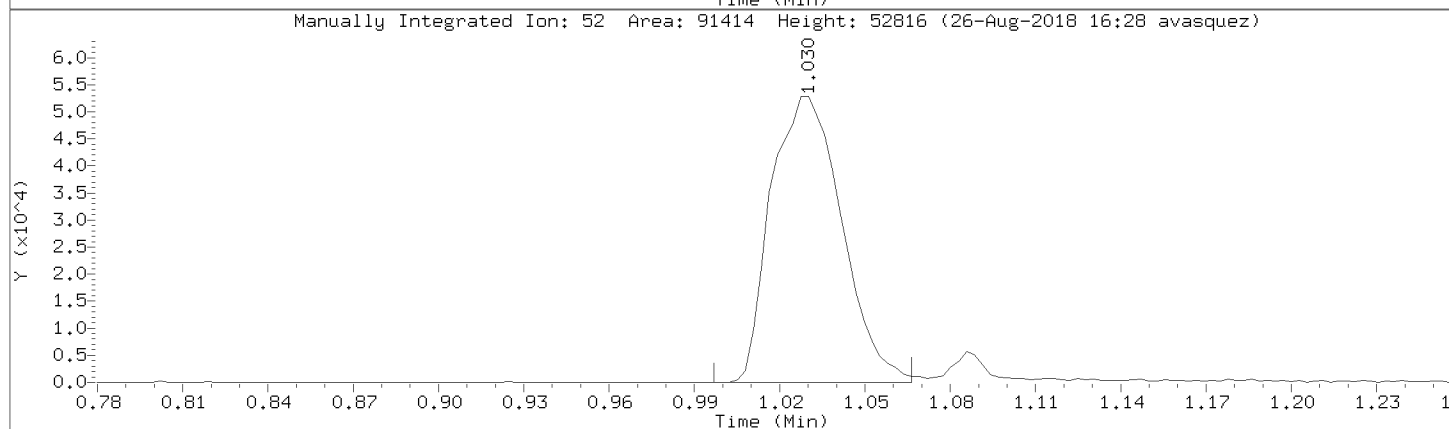
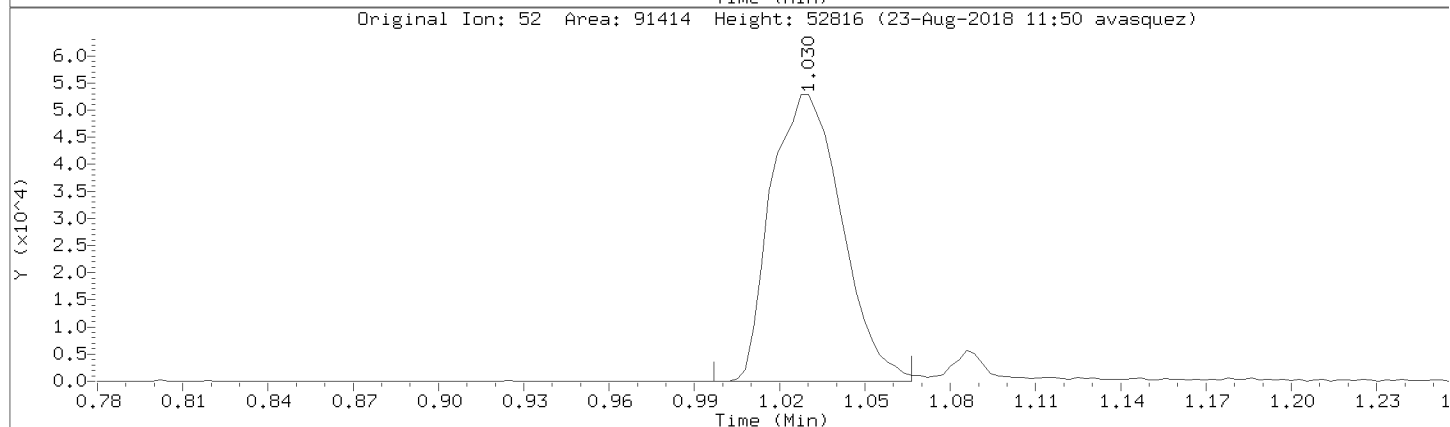
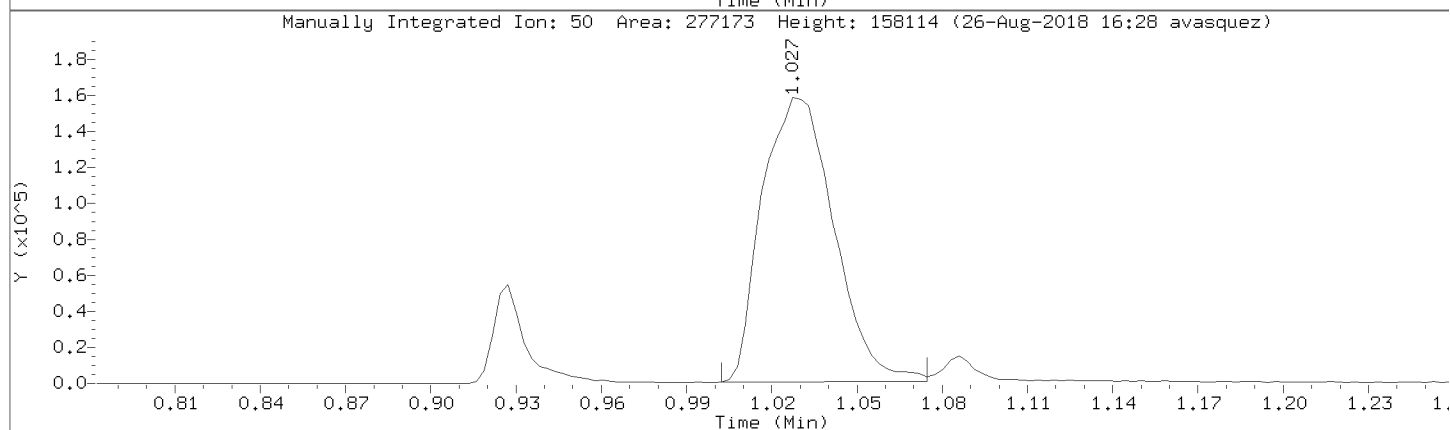
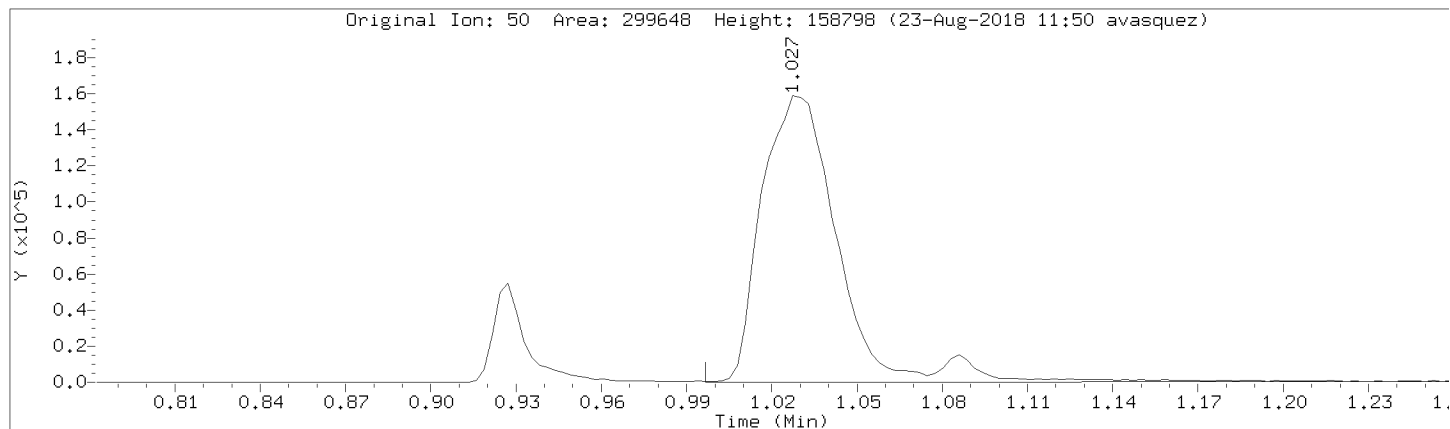
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

Compound: Chloromethane

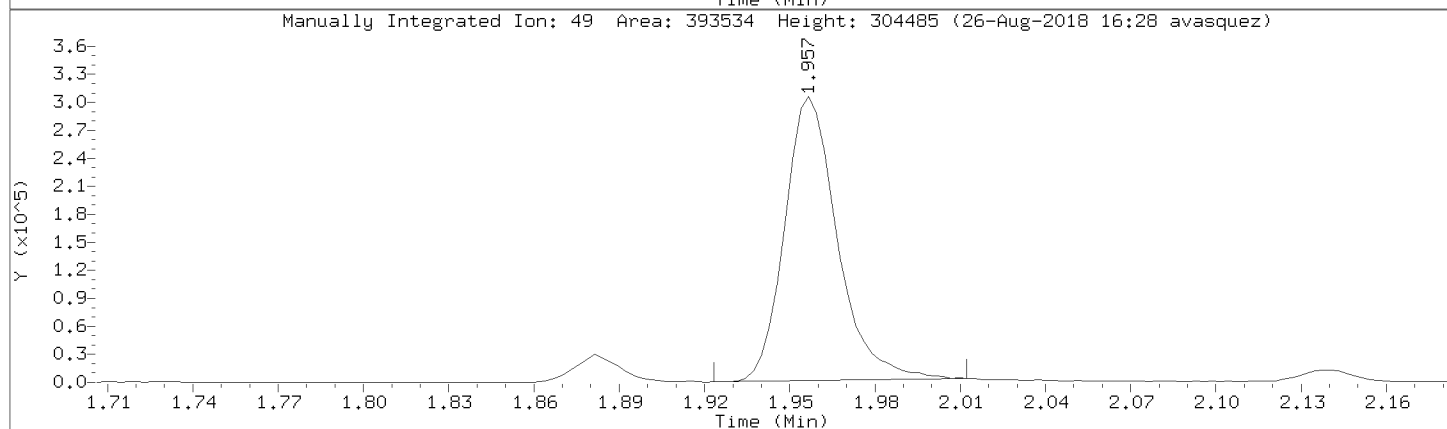
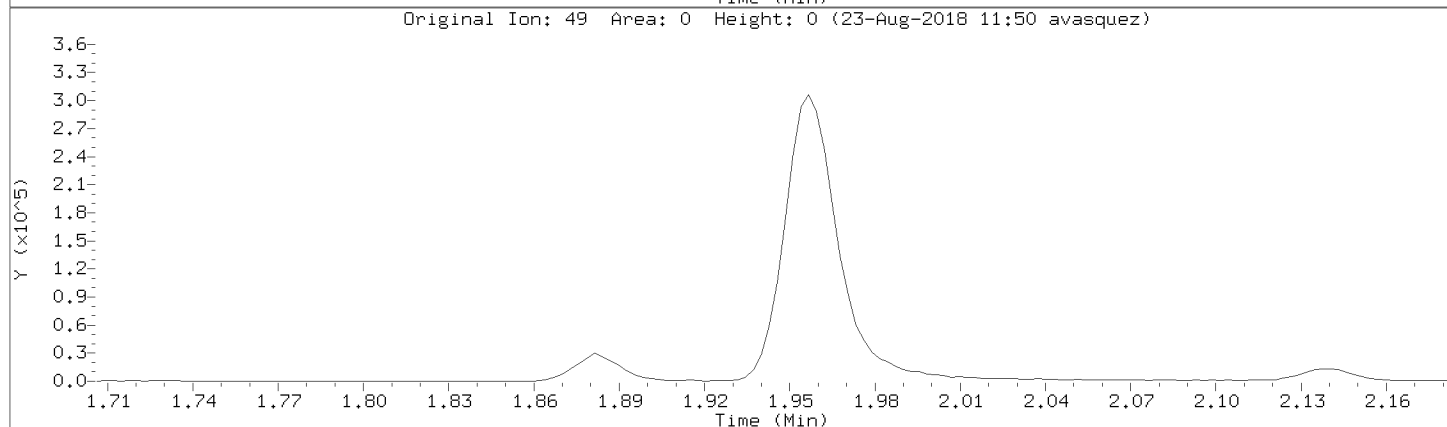
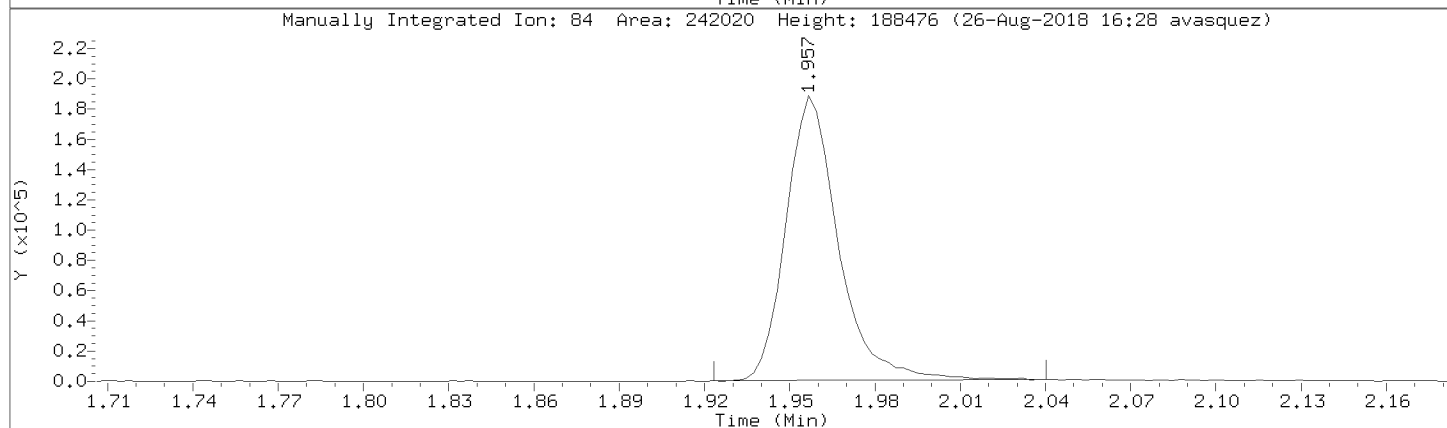
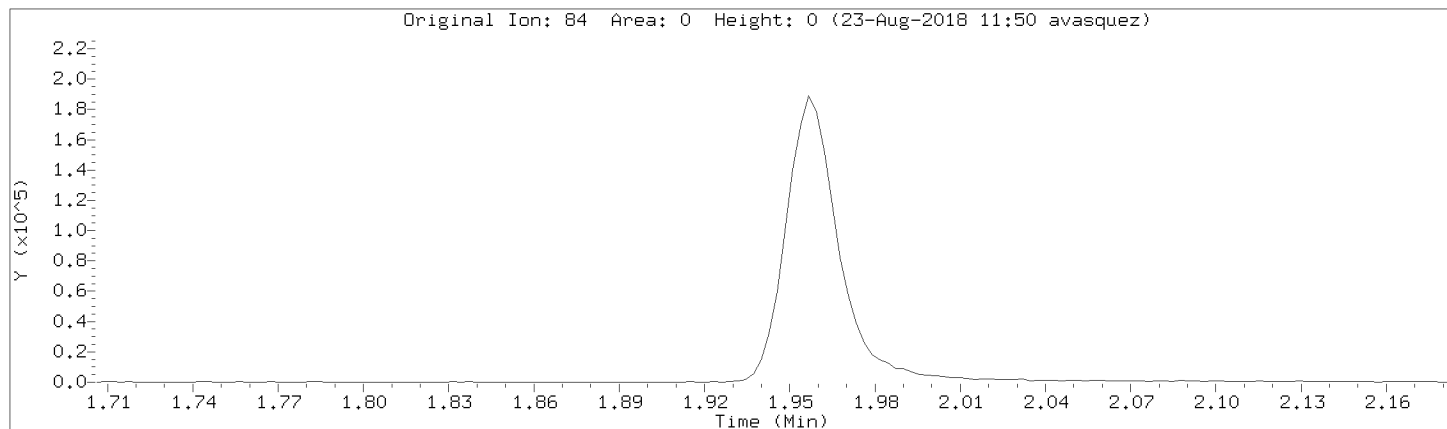
Review Code: GT

CAS Number: 74-87-3

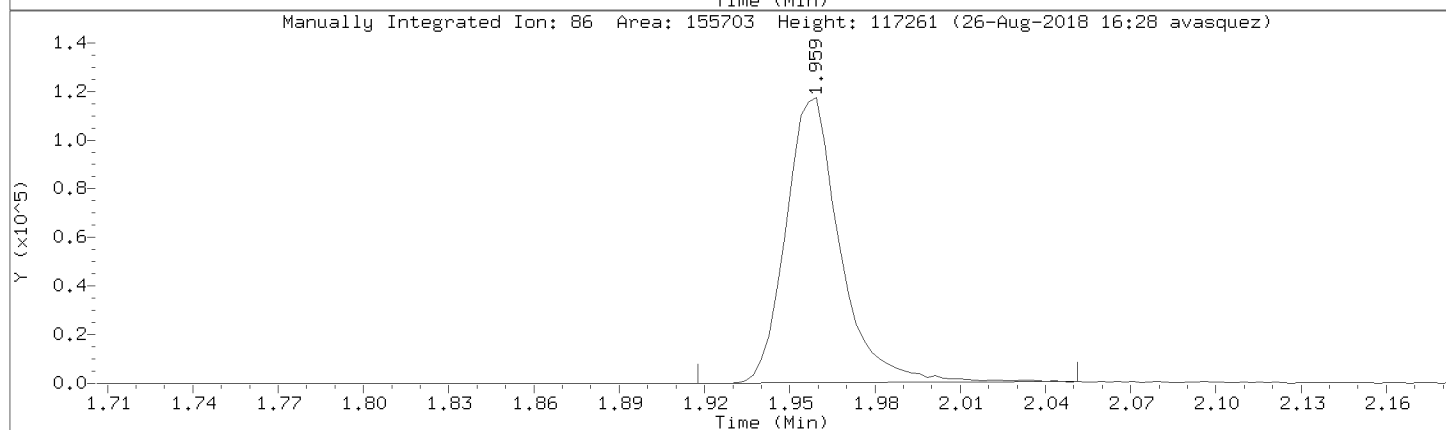
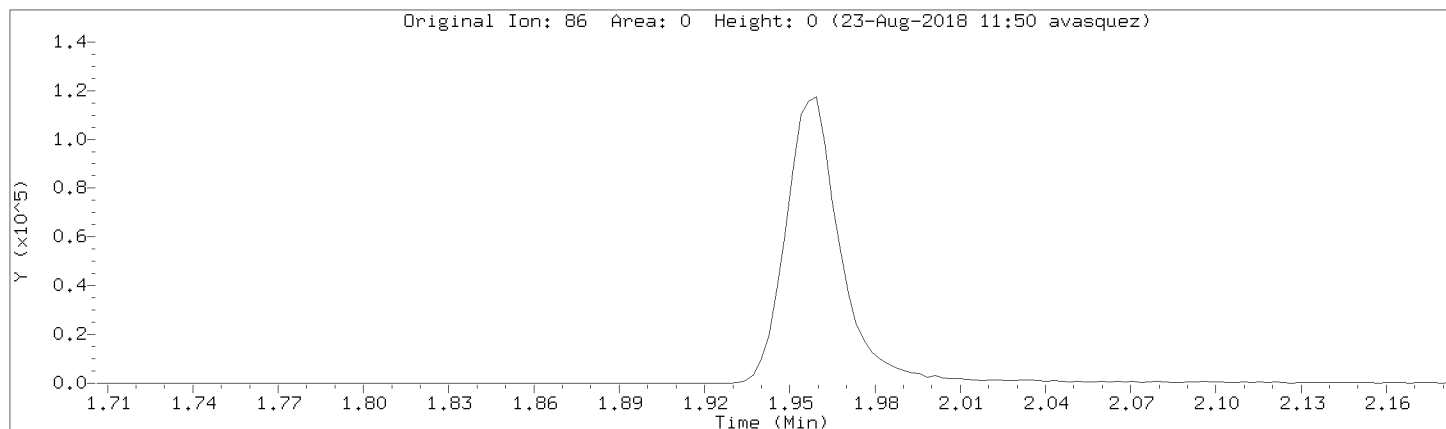


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7

Compound: Methylene Chloride Review Code: NI
CAS Number: 75-09-2

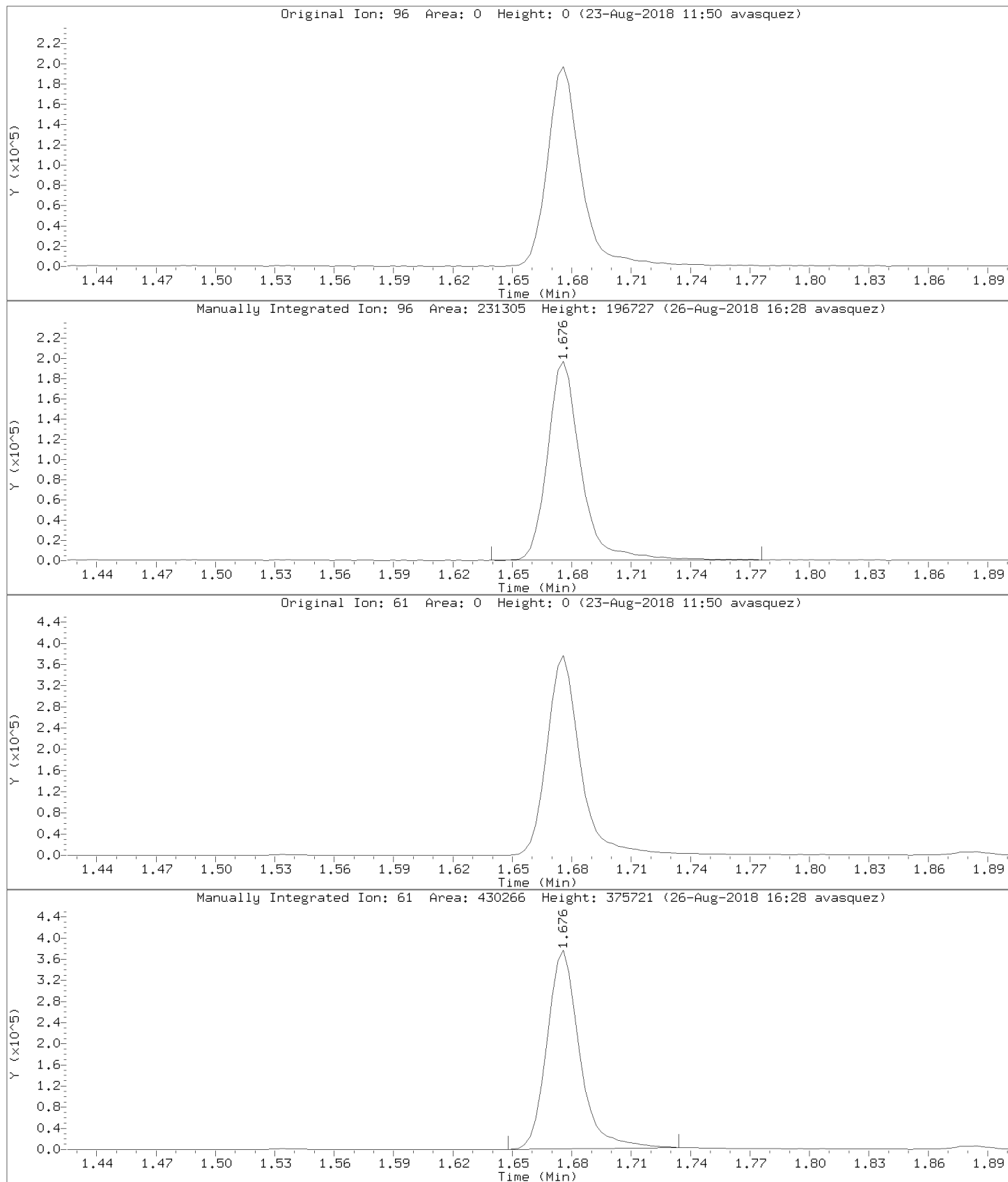


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Lab Sample ID: 8260-CAL7

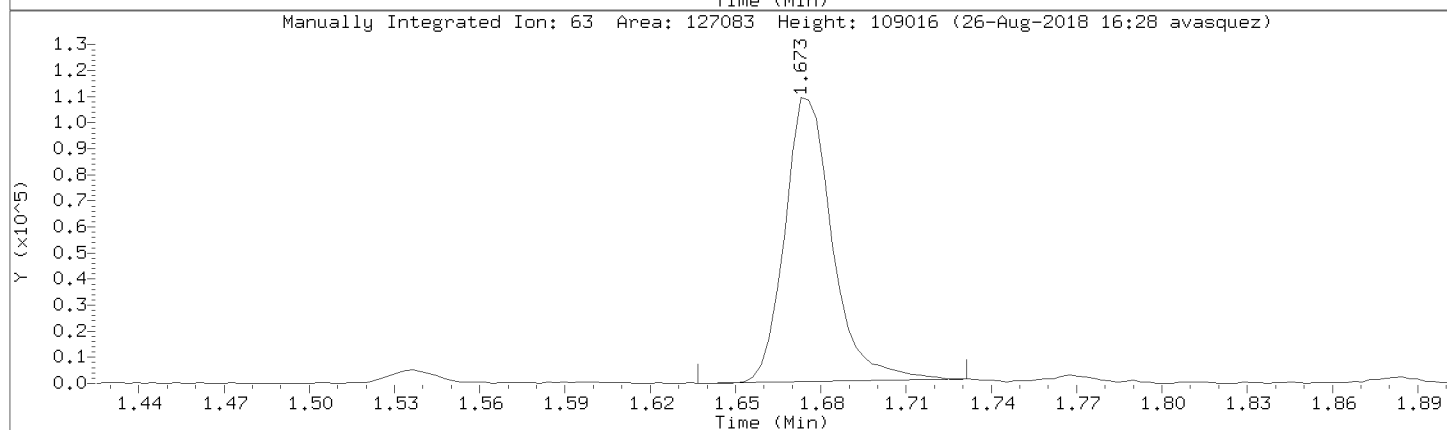
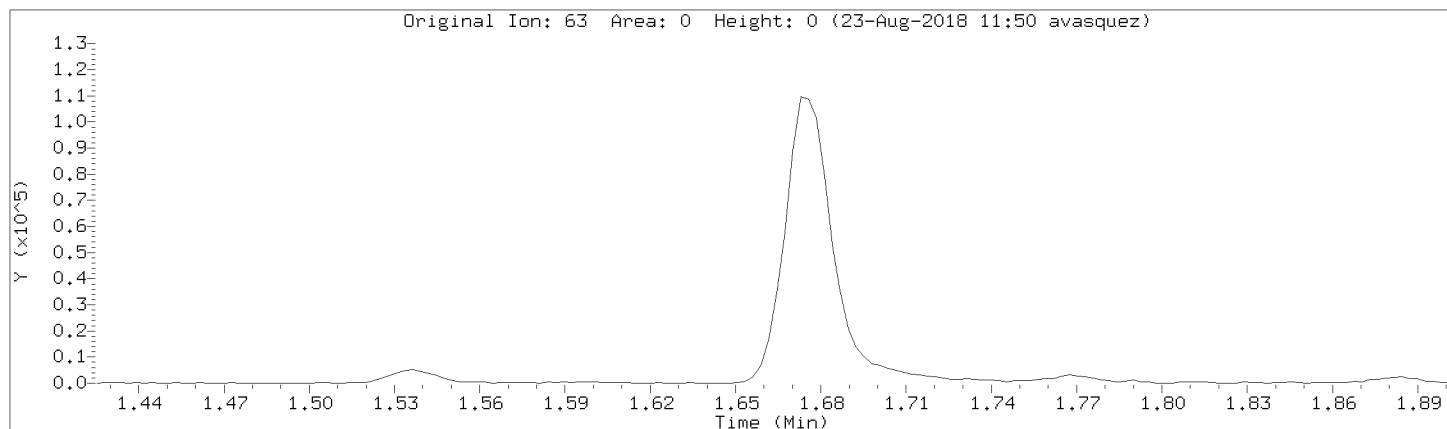


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7

Compound: 1,1-Dichloroethene Review Code: NI
CAS Number: 75-35-4



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Injection Date: 22-AUG-2018 17:35
Instrument: 50mv2a.i
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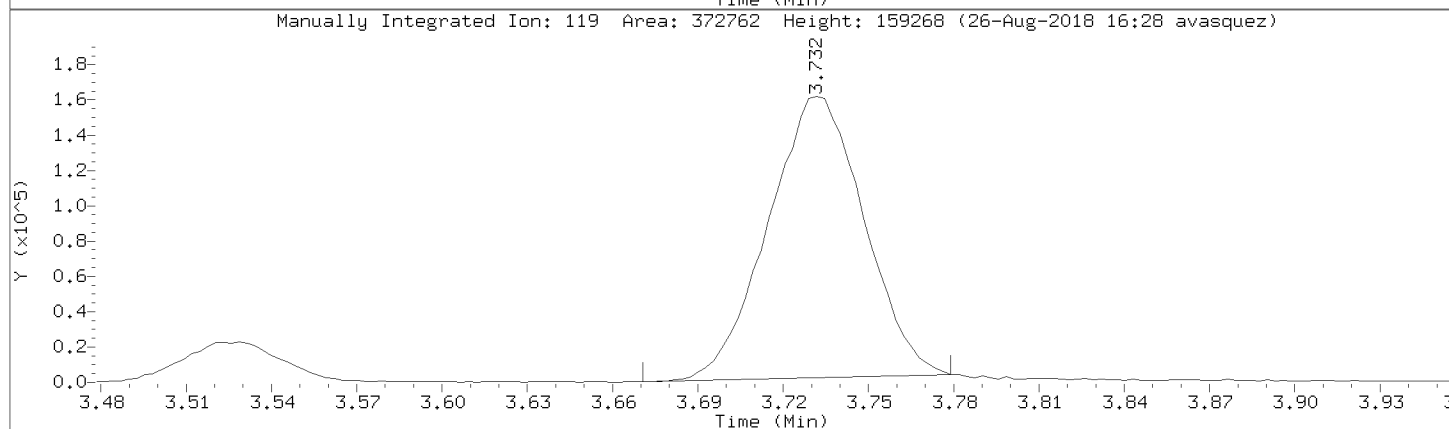
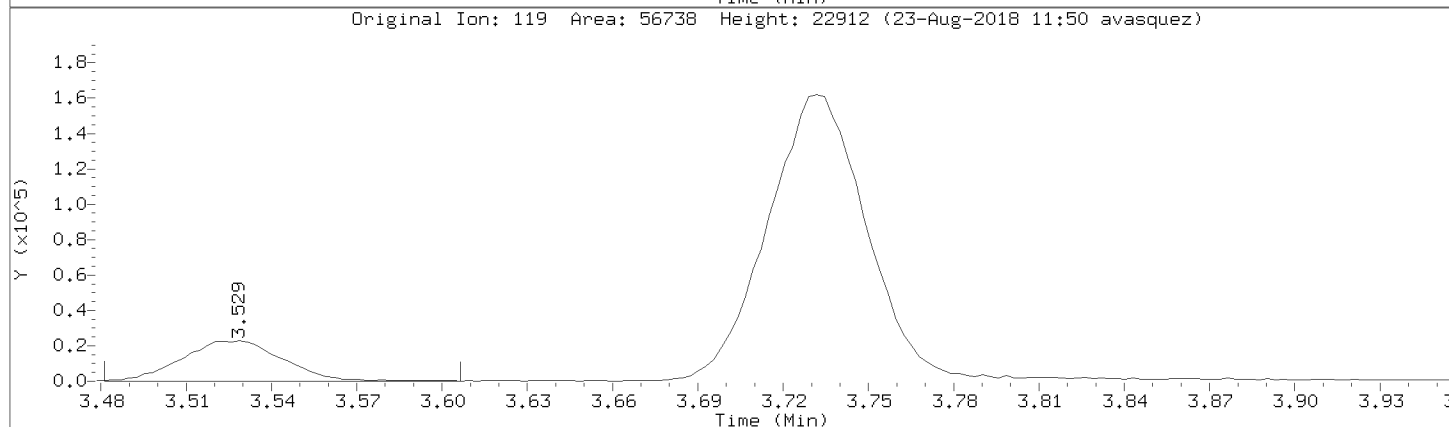
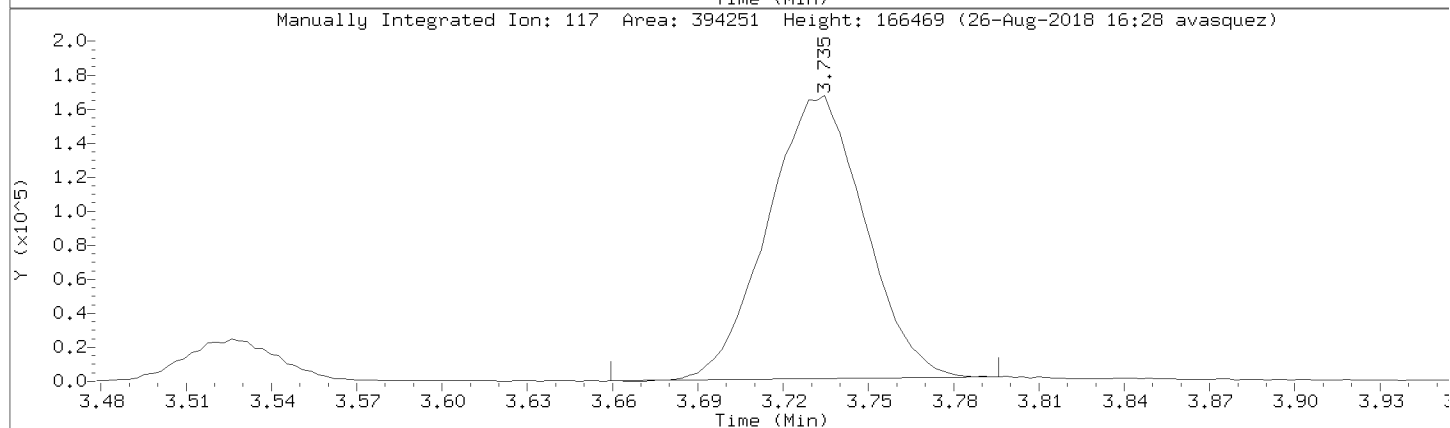
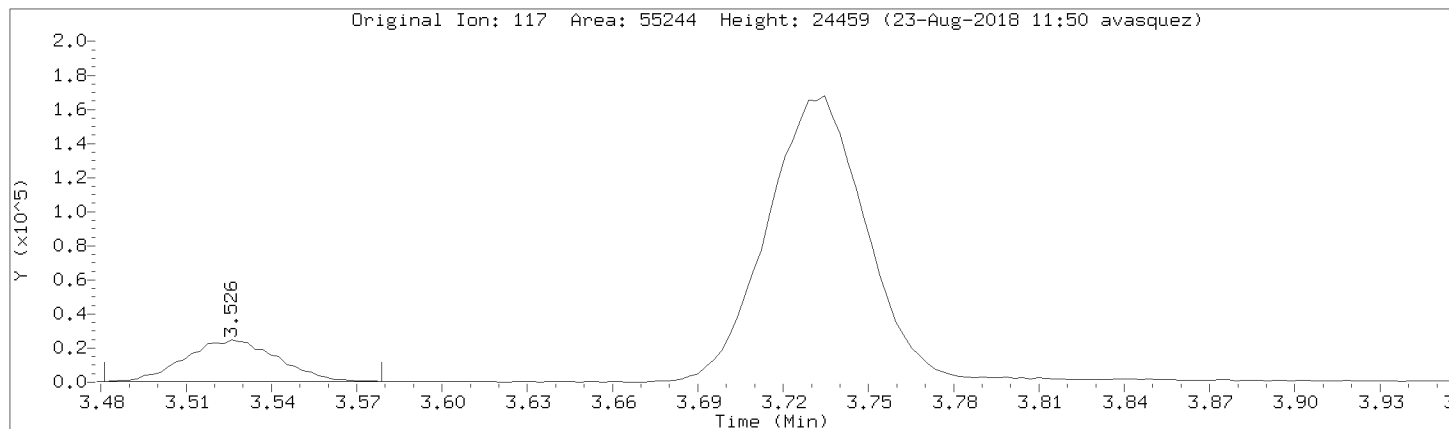
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

Compound: Carbon Tetrachloride

Review Code: NI

CAS Number: 56-23-5

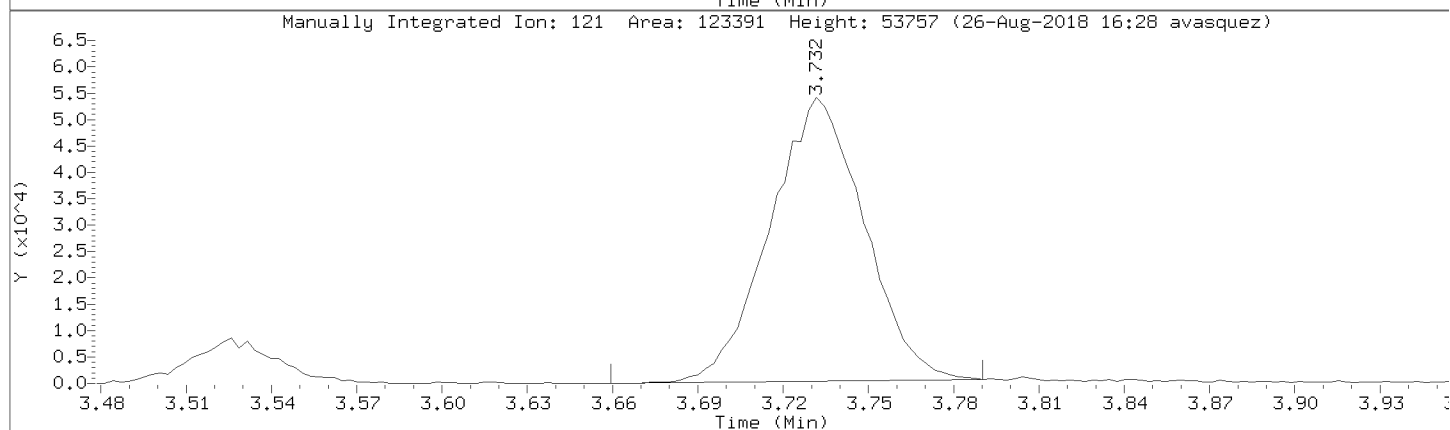
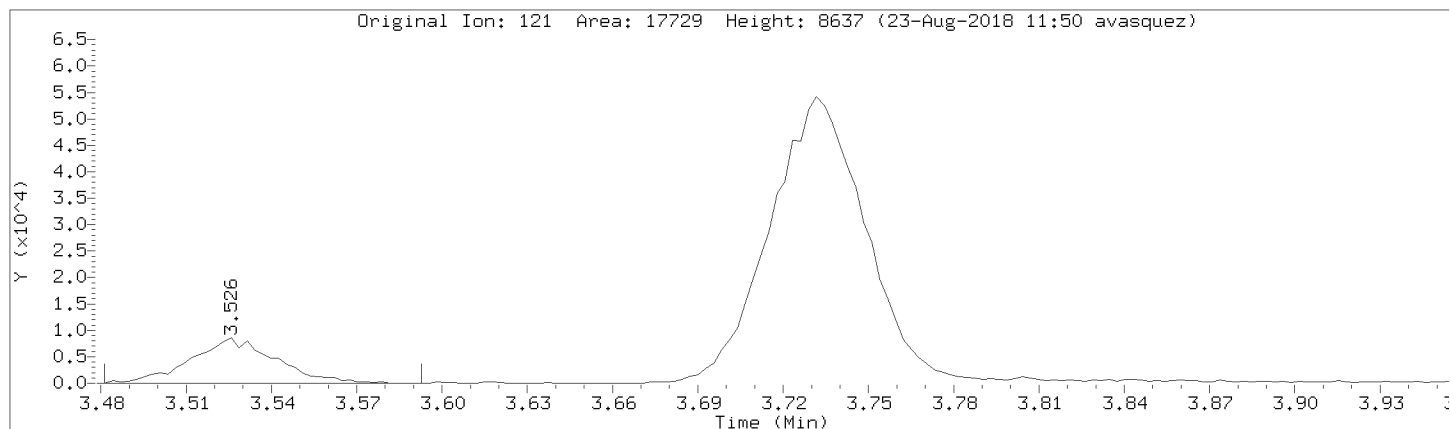


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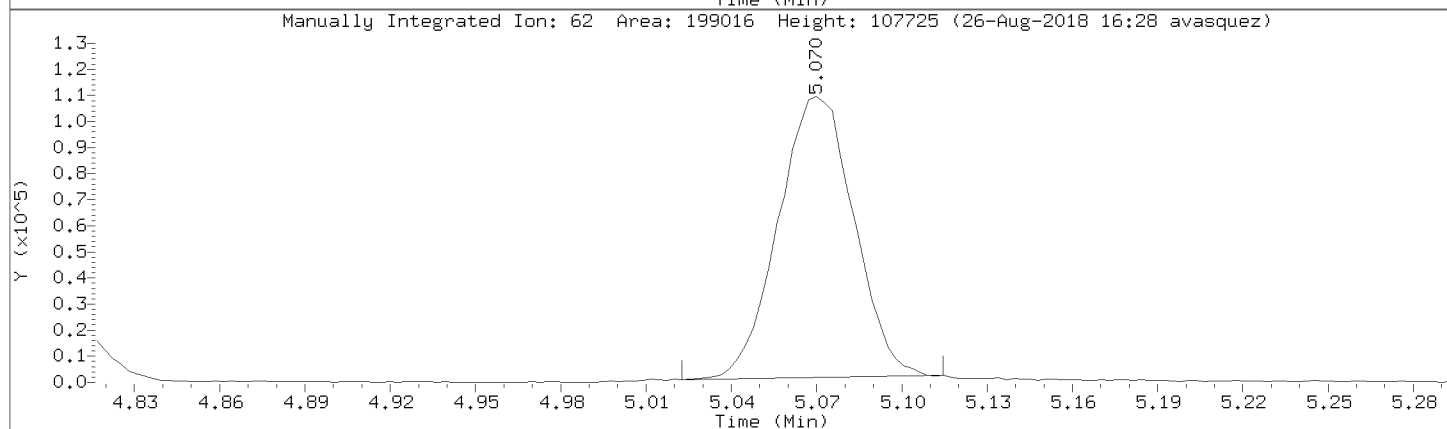
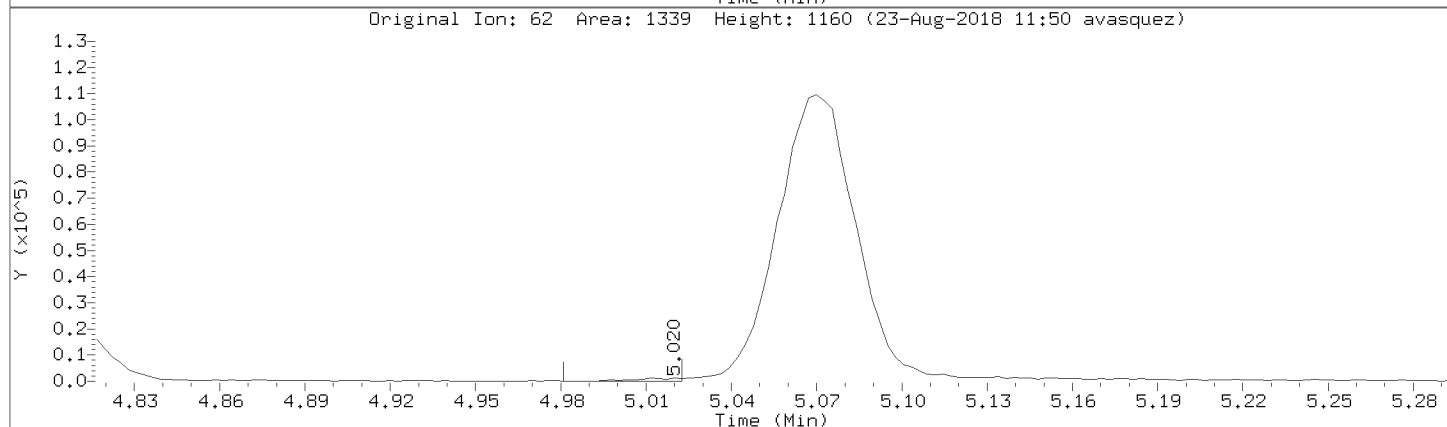
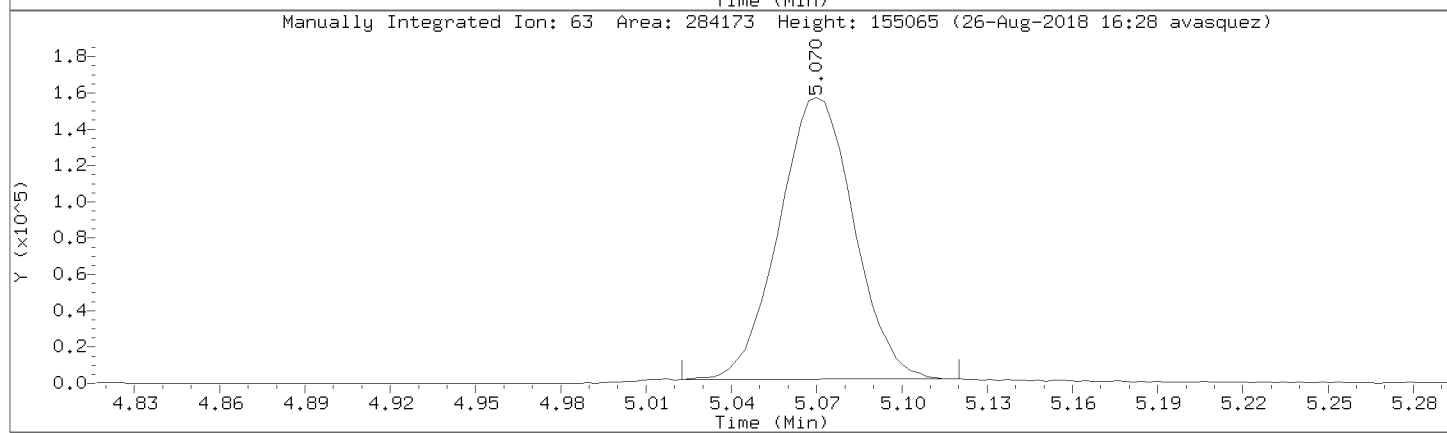
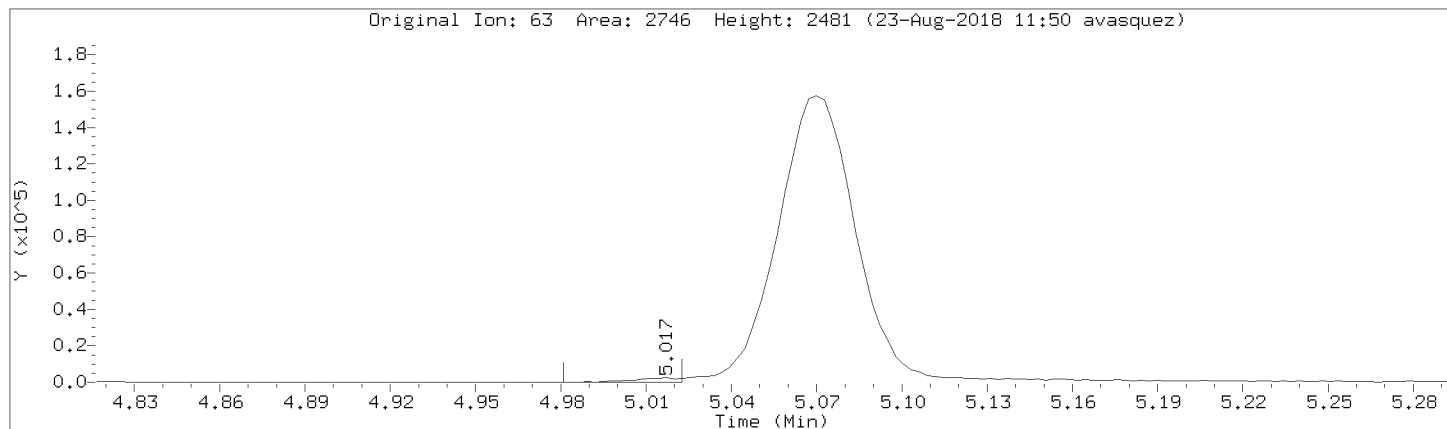
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Lab Sample ID: 8260-CAL7

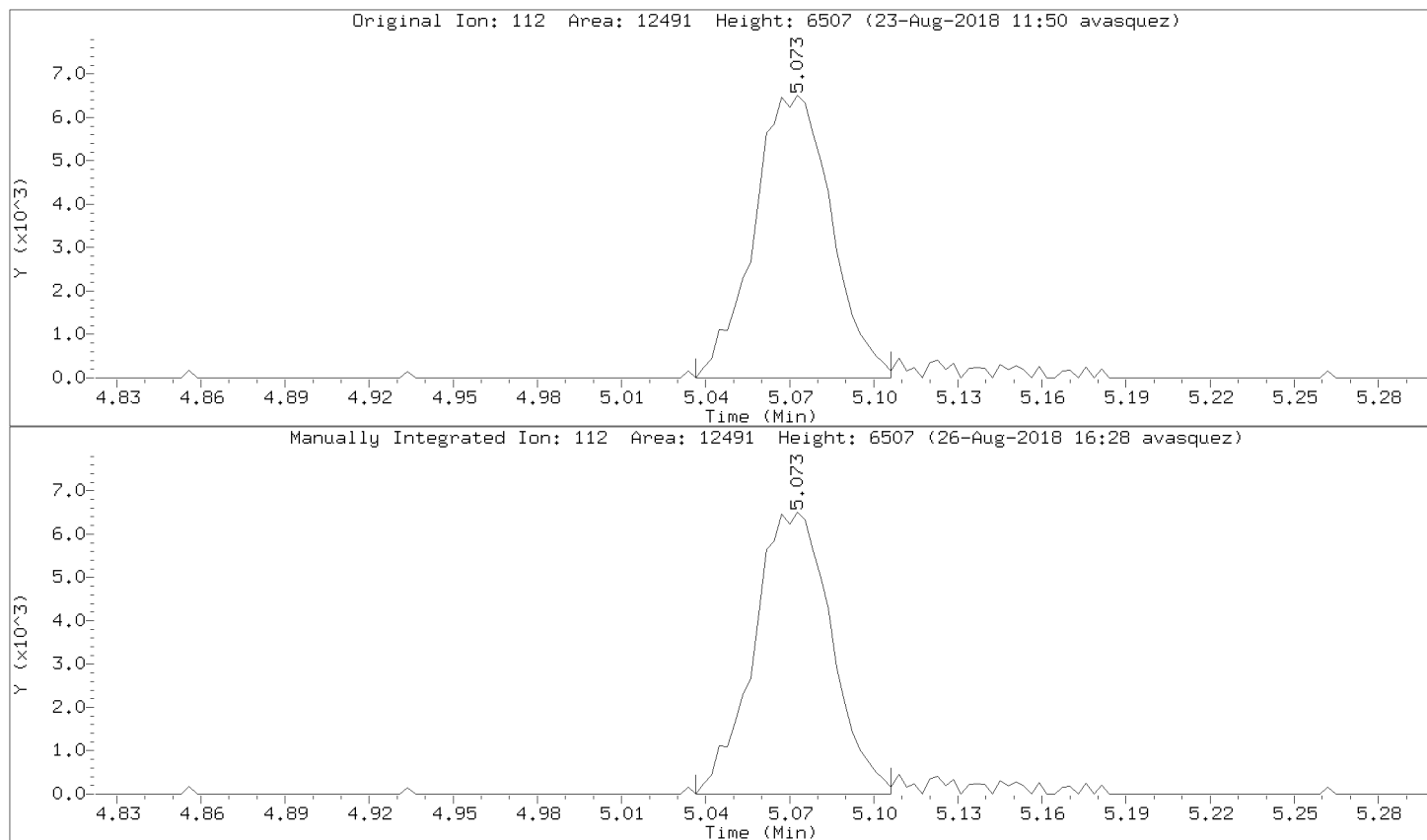


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Lab Sample ID: 8260-CAL7

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

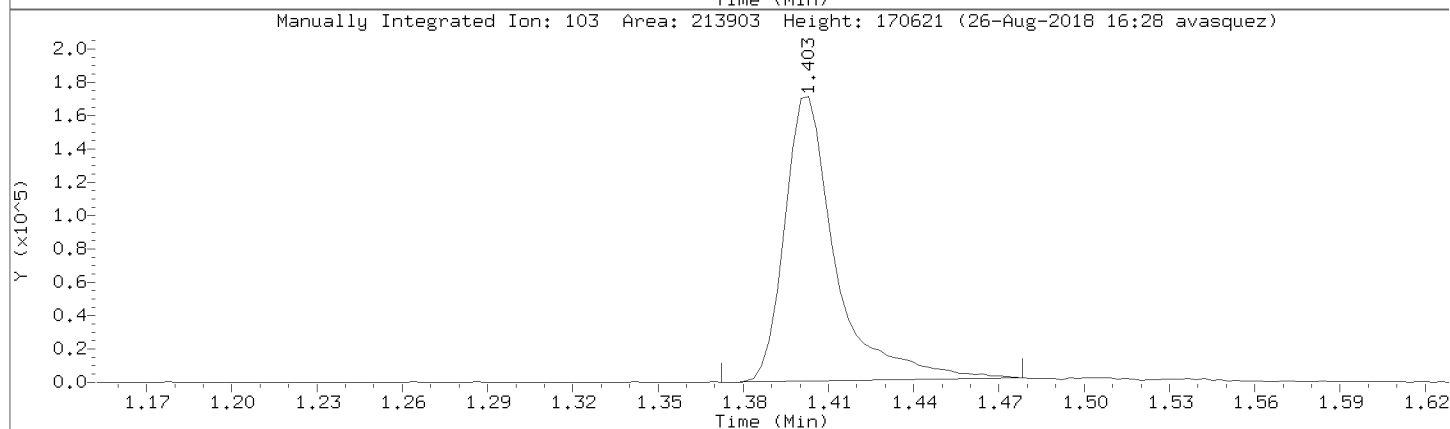
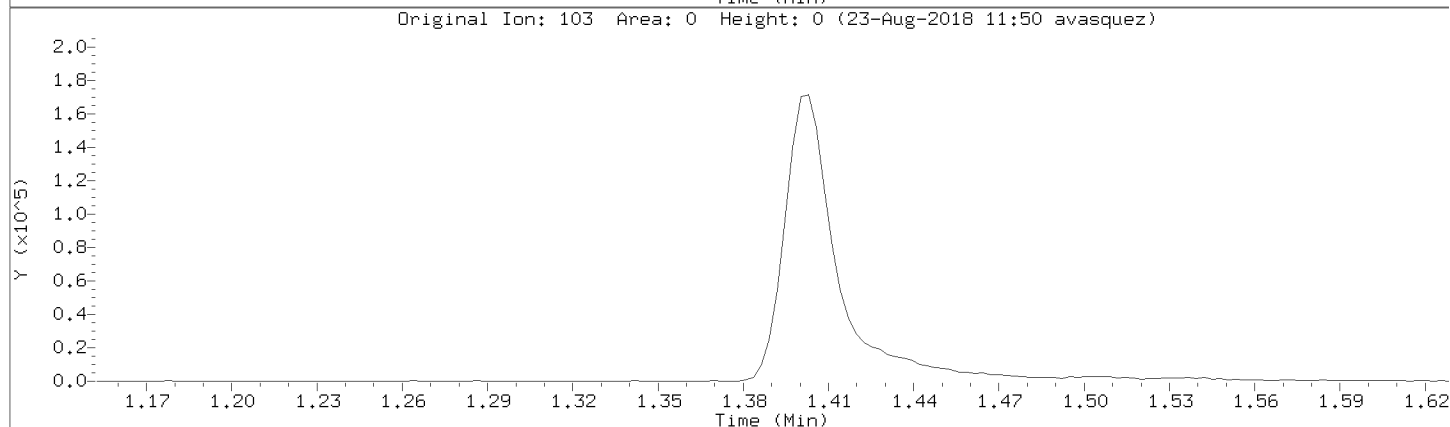
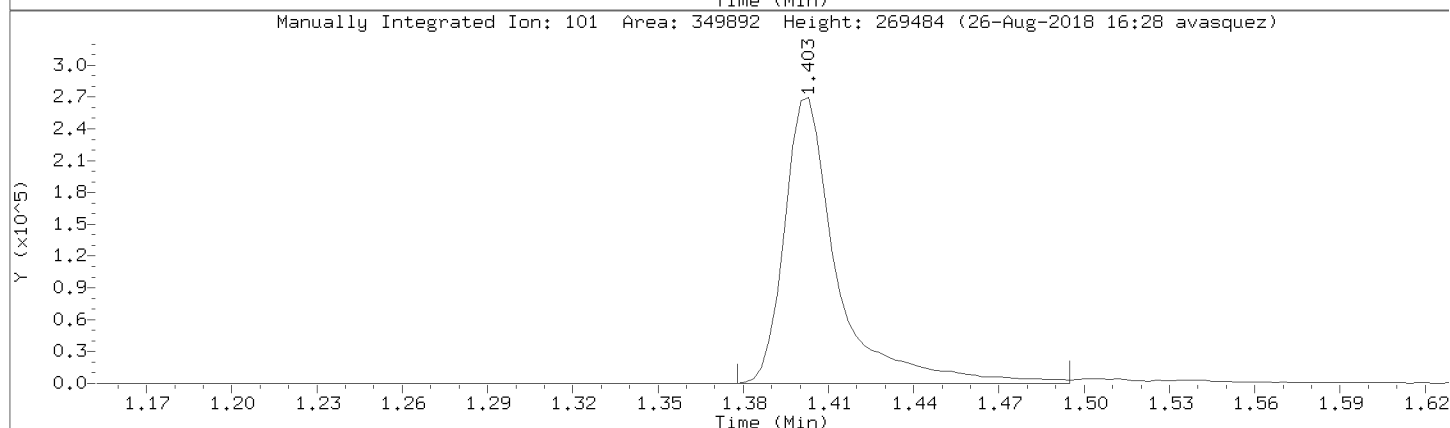
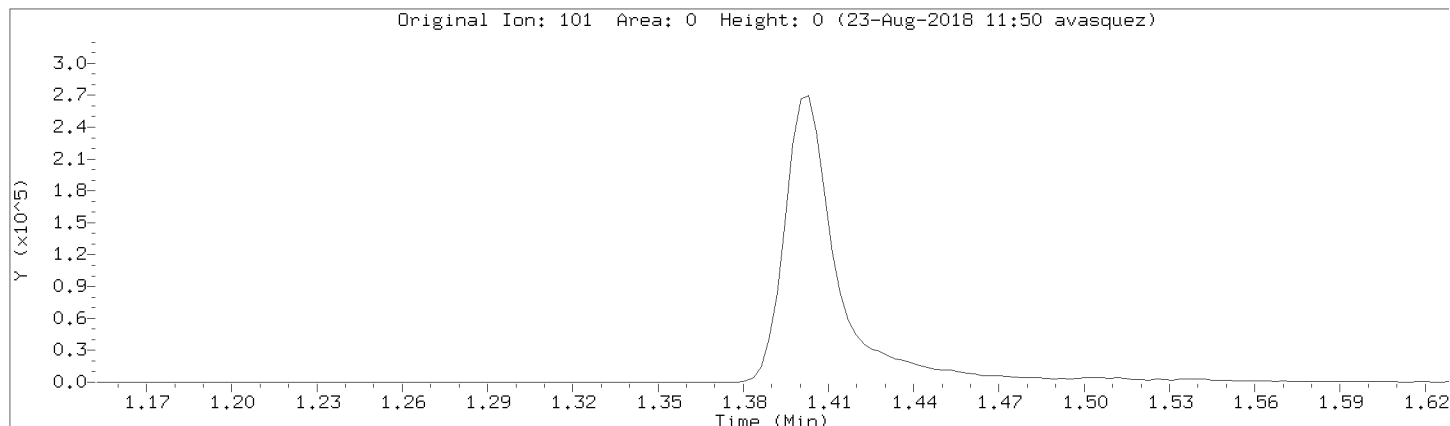


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7



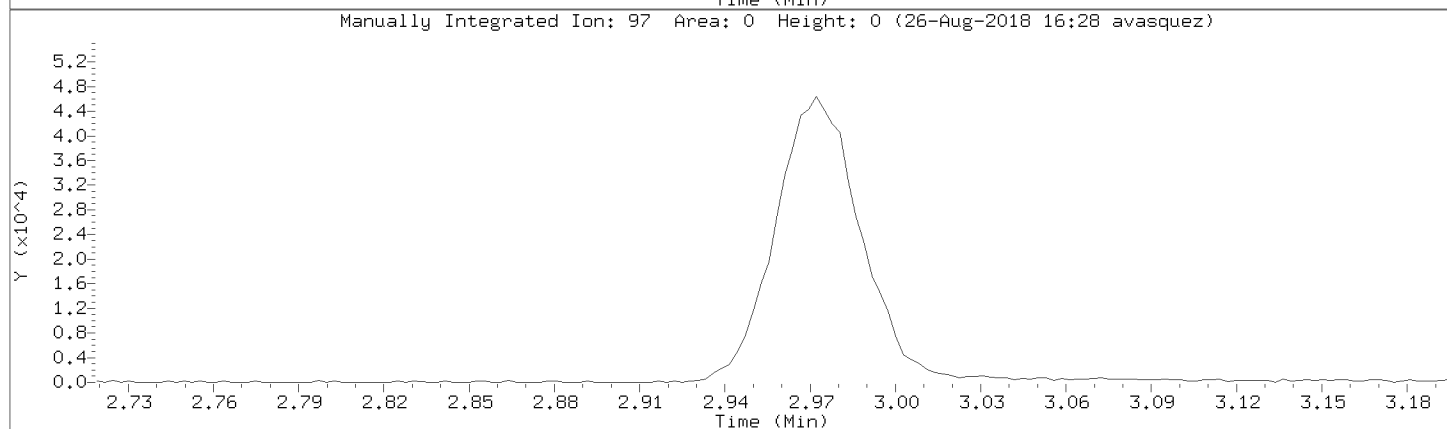
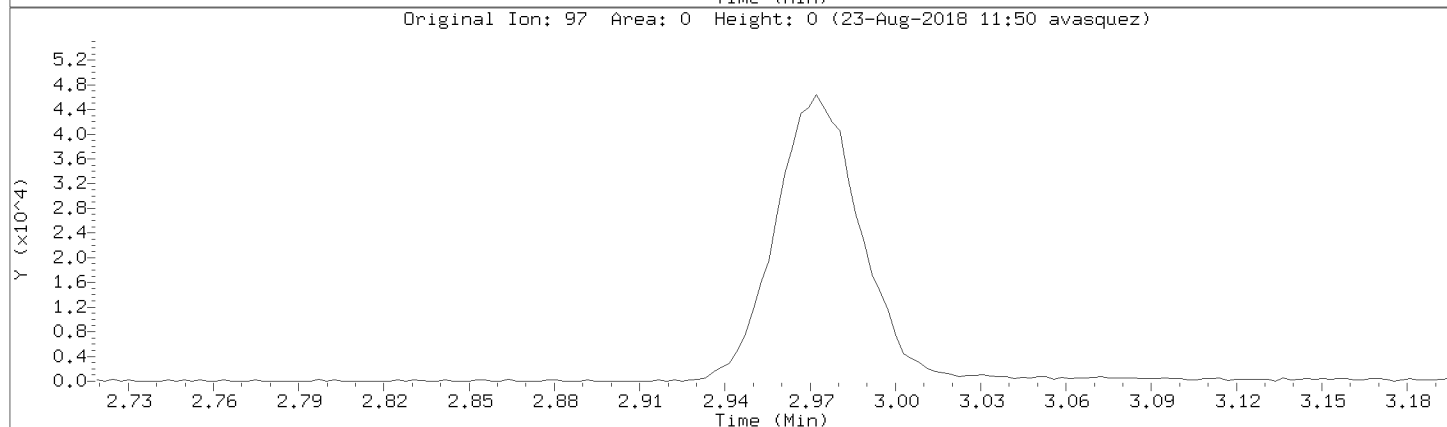
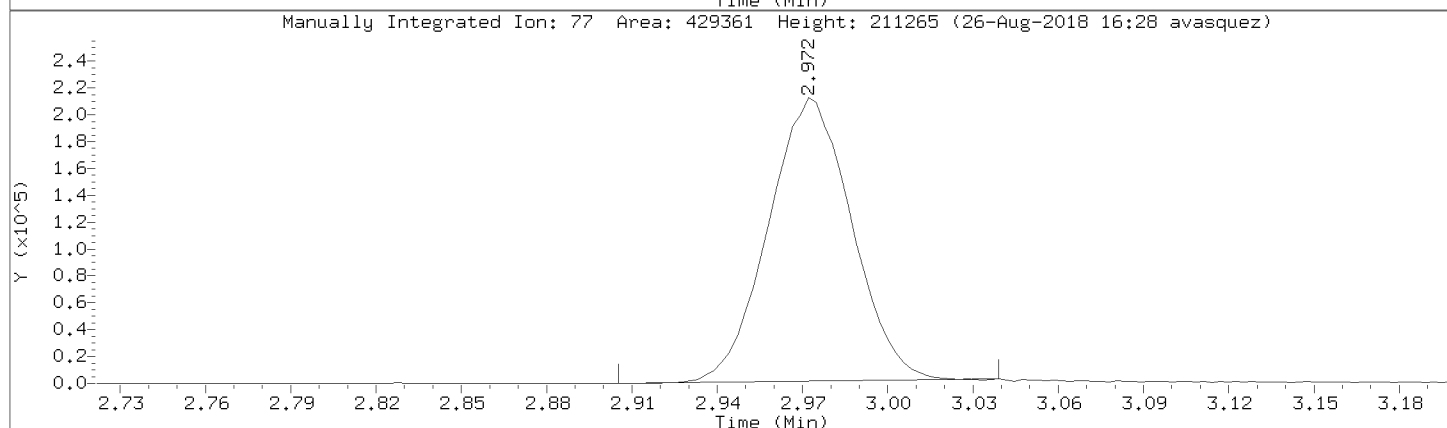
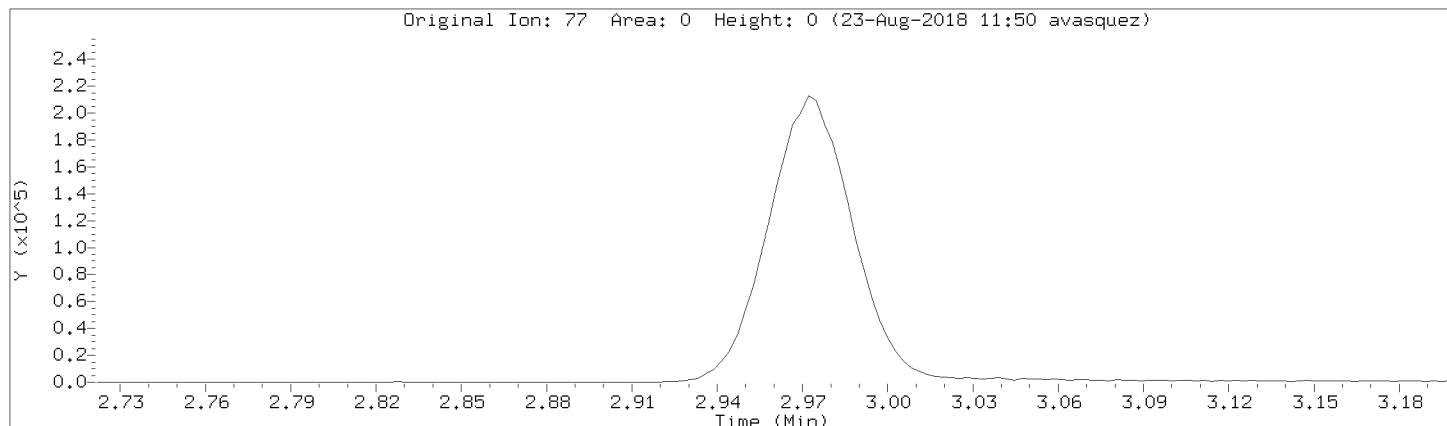
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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7

Compound: Trichlorofluoromethane Review Code: NI
CAS Number: 75-69-4



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

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



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Injection Date: 22-AUG-2018 17:35

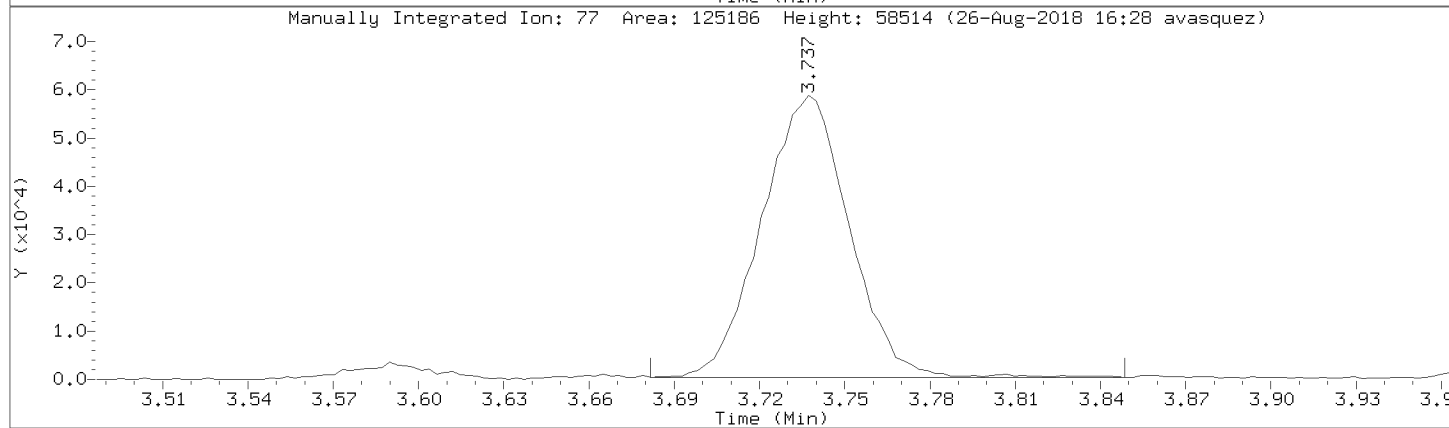
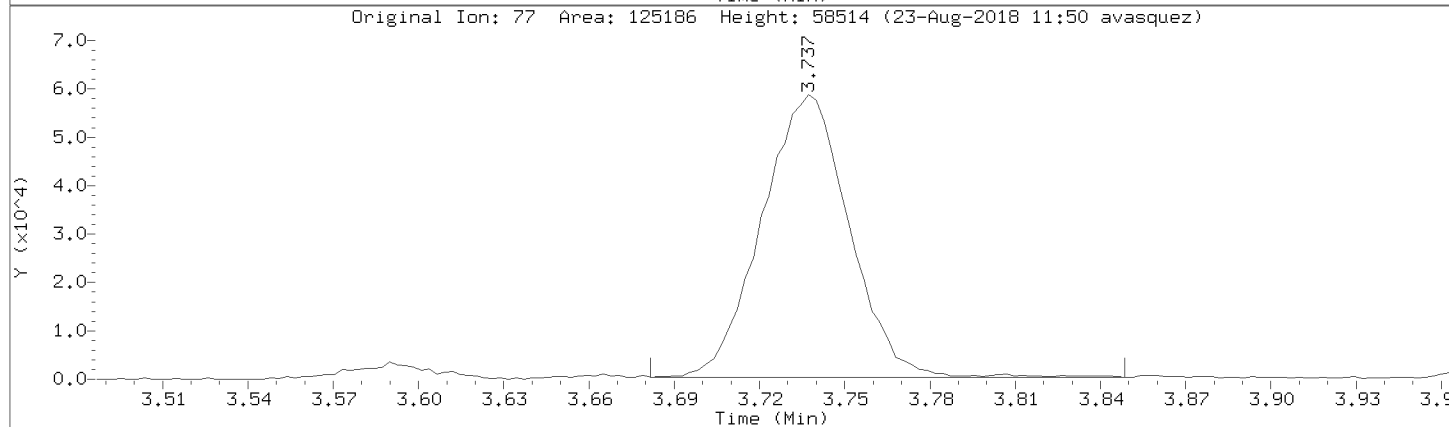
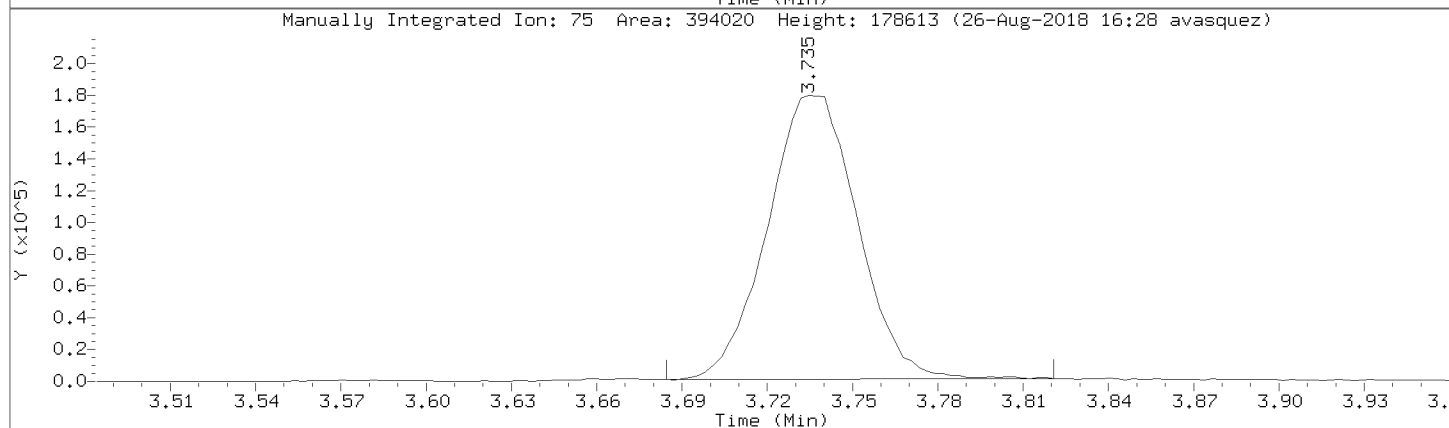
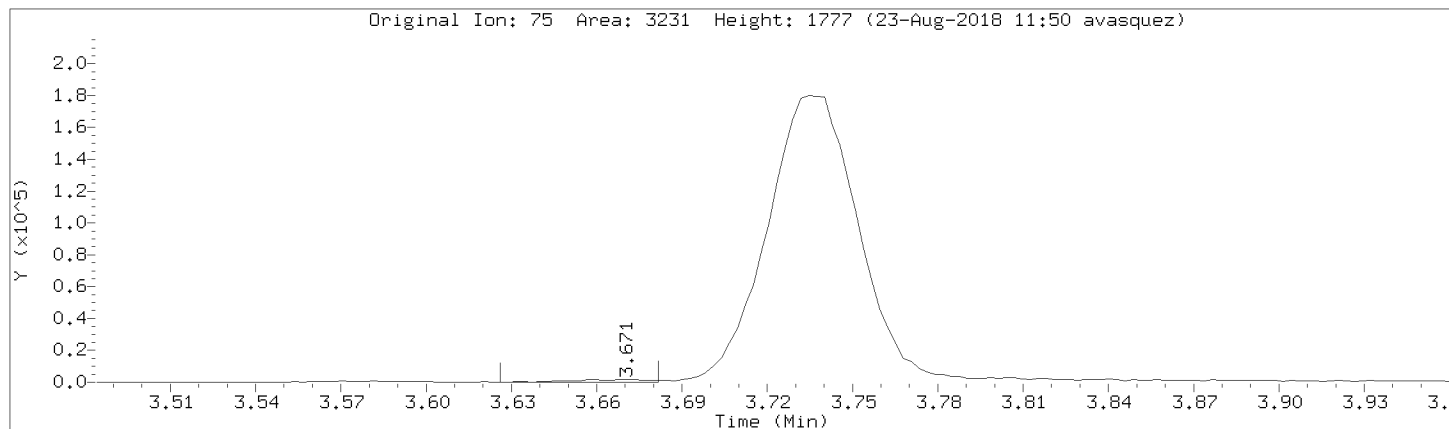
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

Compound: 1,1-Dichloropropene

Review Code: NI

CAS Number: 563-58-6

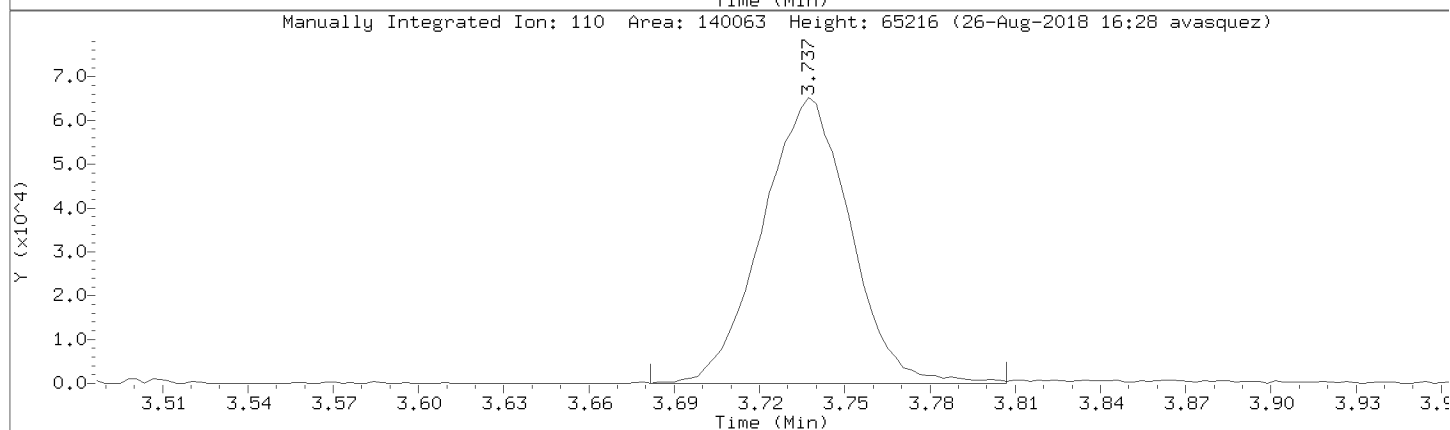
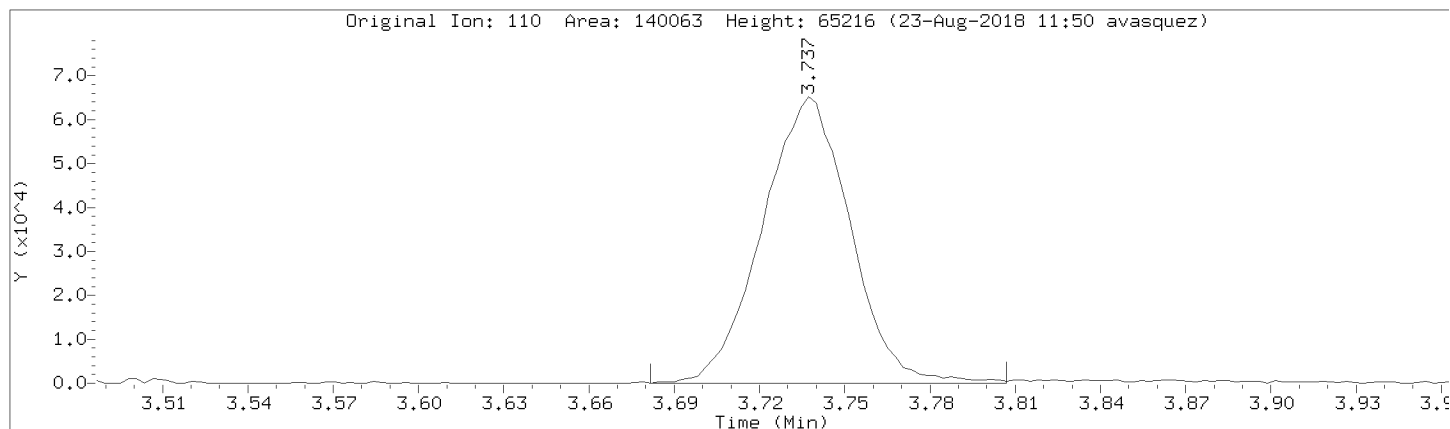


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Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7



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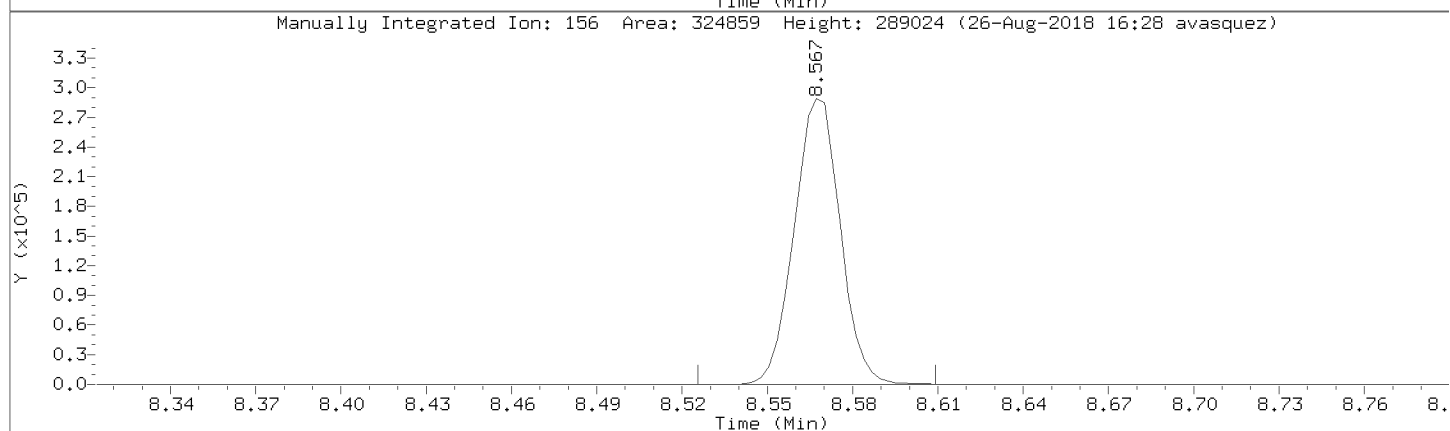
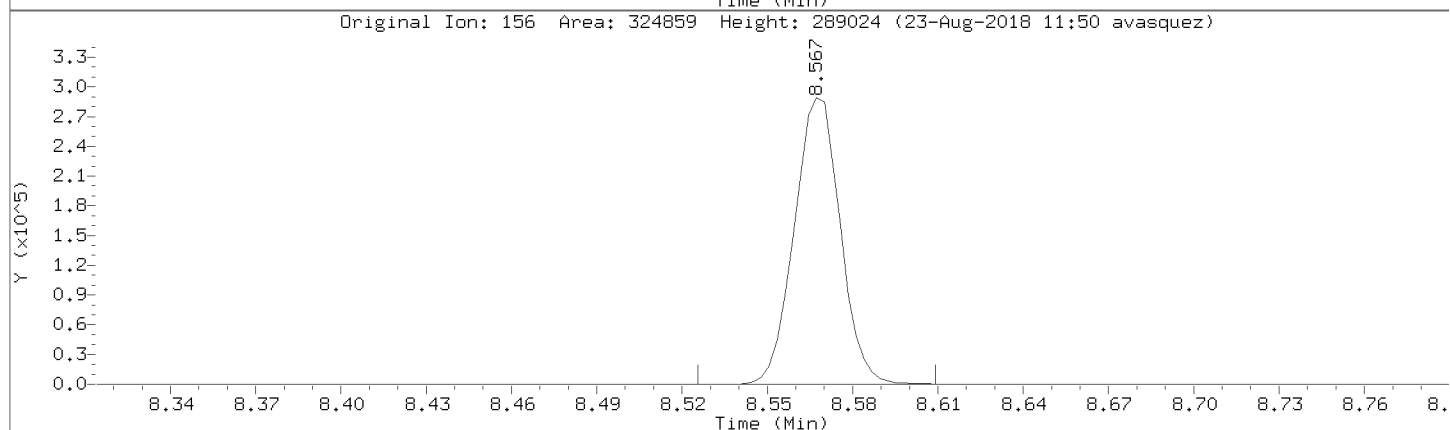
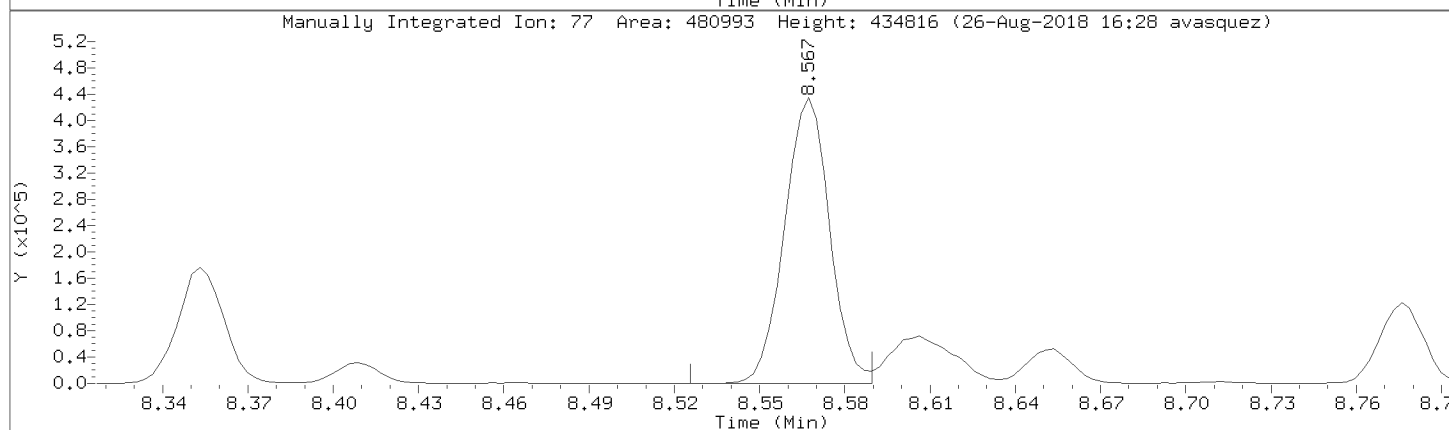
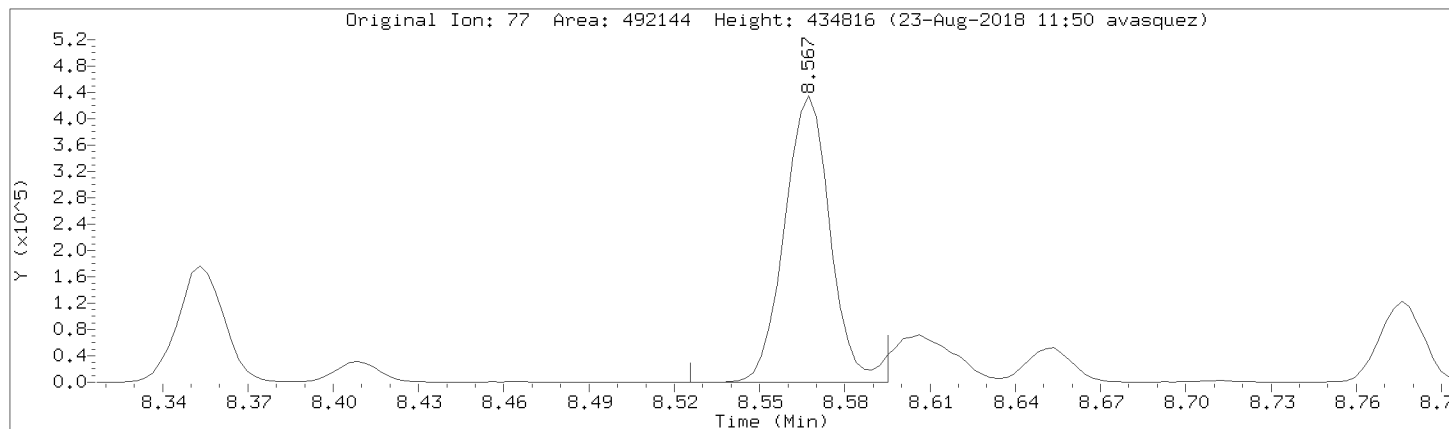
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Lab Sample ID: 8260-CAL7

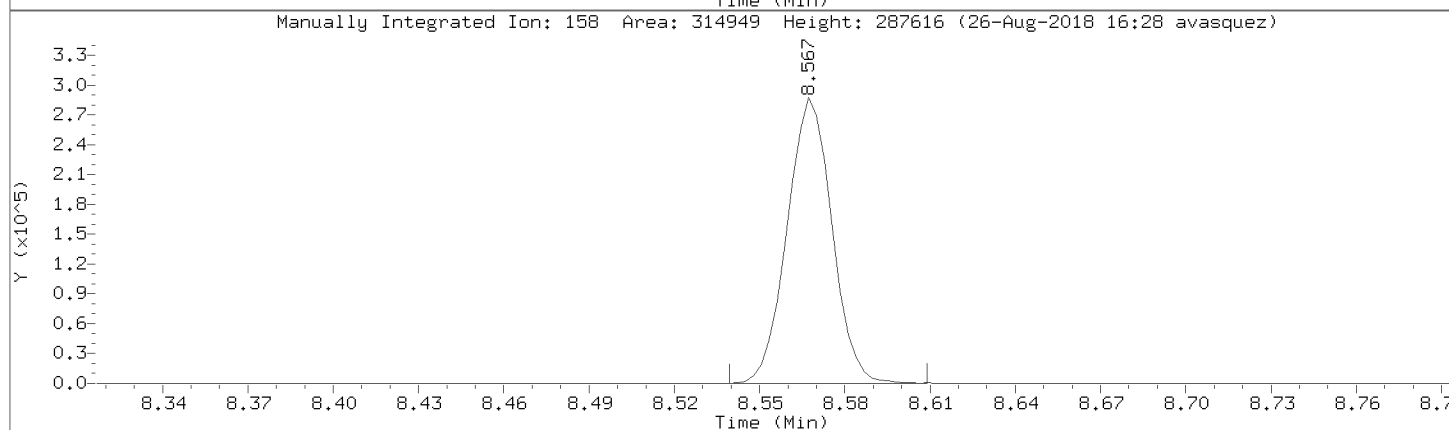
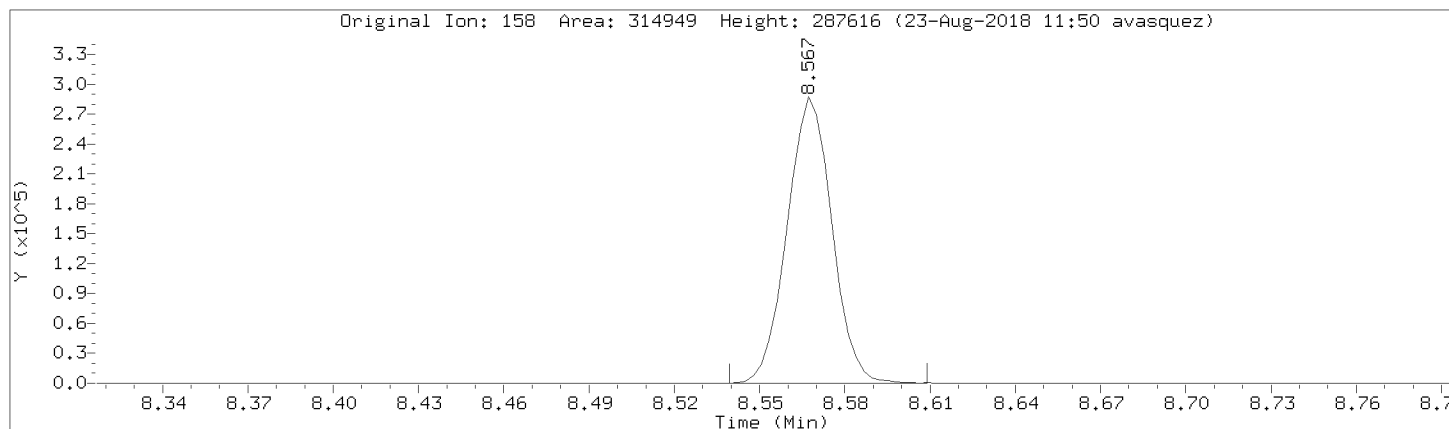
Compound: Bromobenzene

Review Code: GT

CAS Number: 108-86-1



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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7



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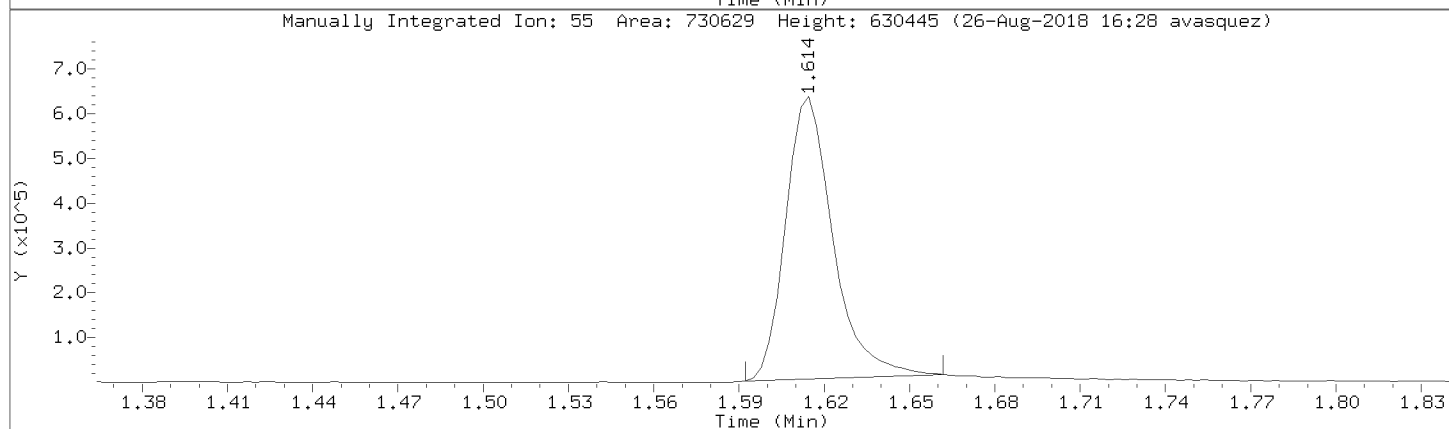
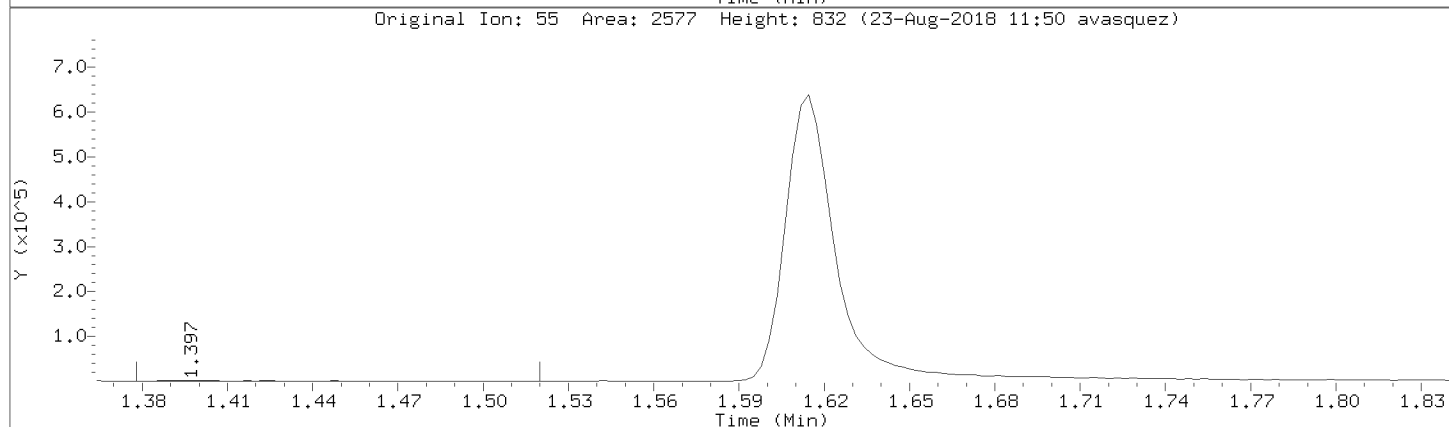
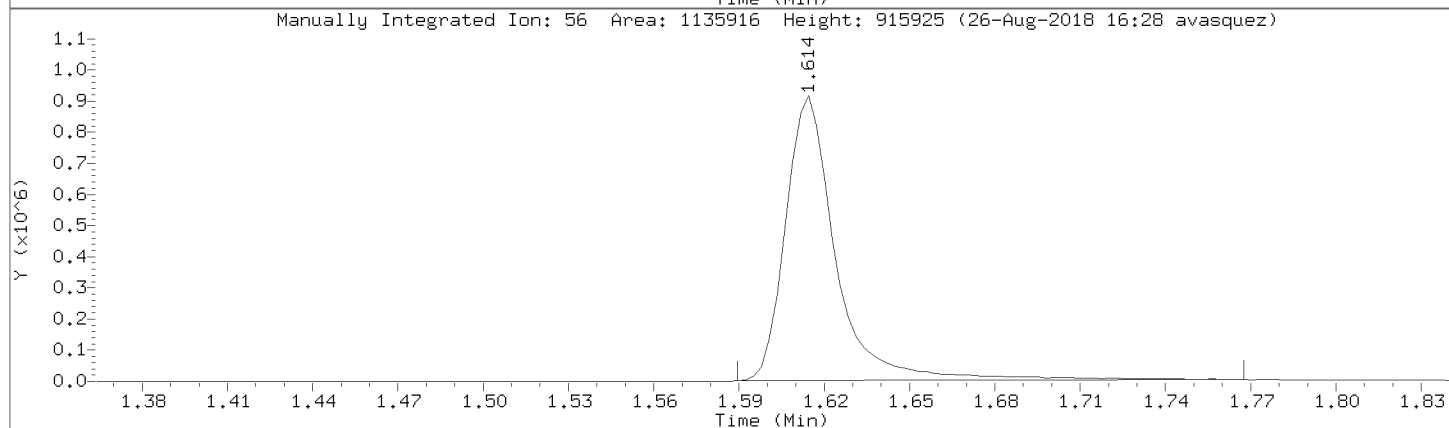
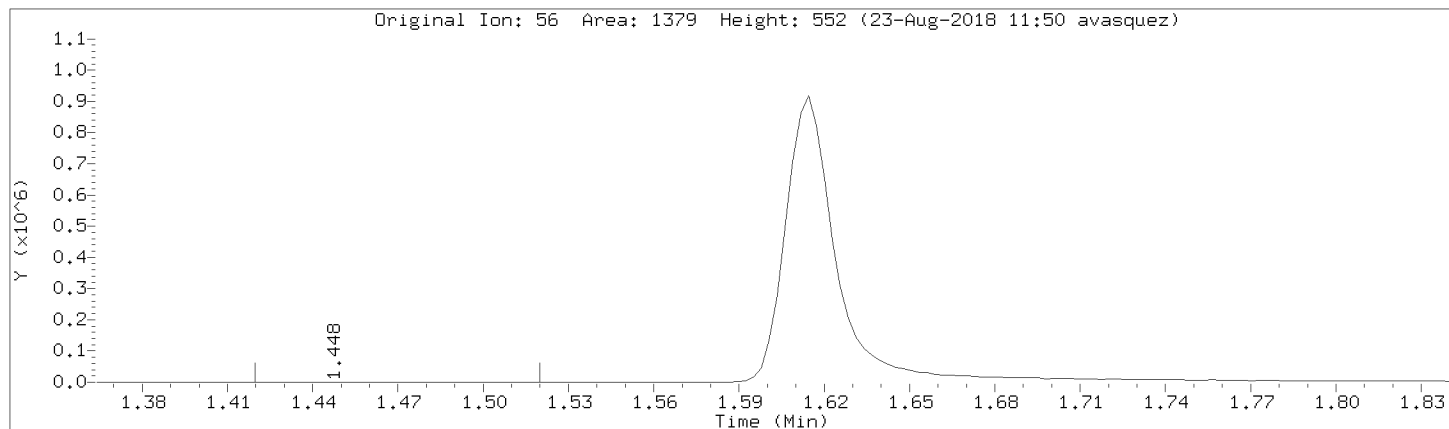
Injection Date: 22-AUG-2018 17:35

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

Compound: Acrolein Review Code: NI

CAS Number: 107-02-8



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\08cal.d

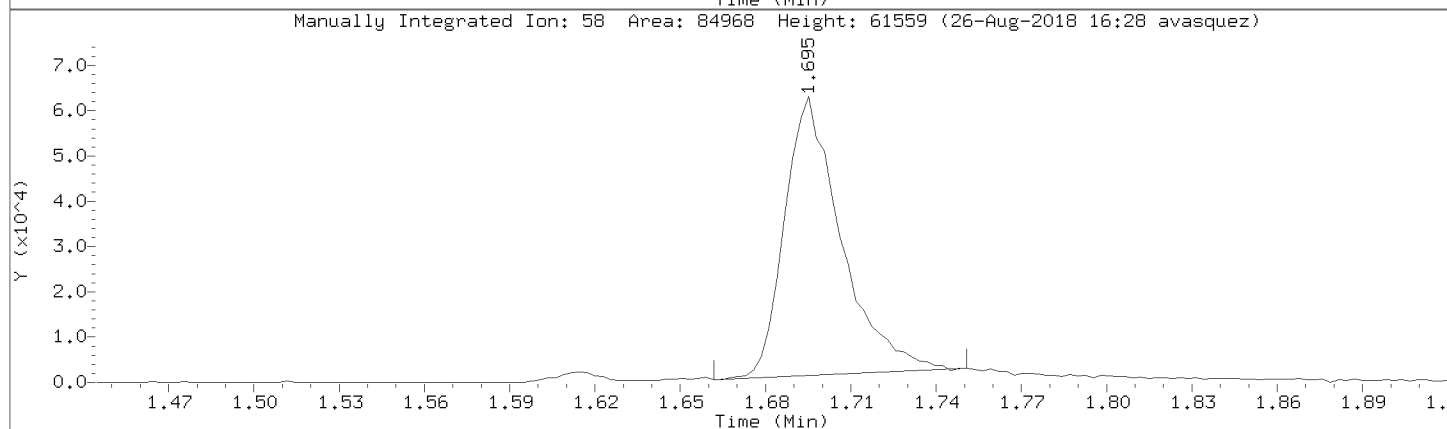
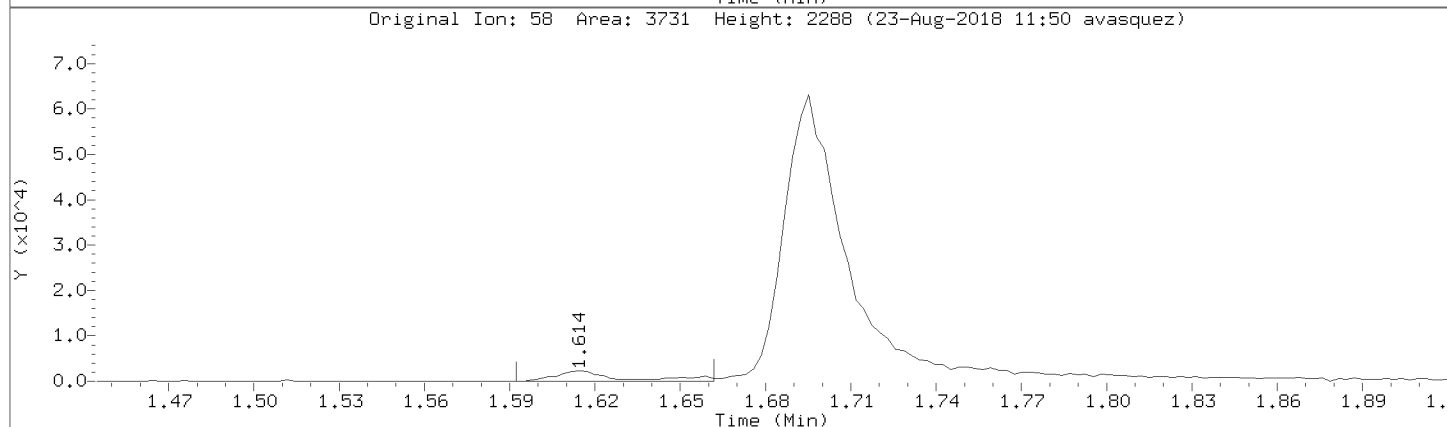
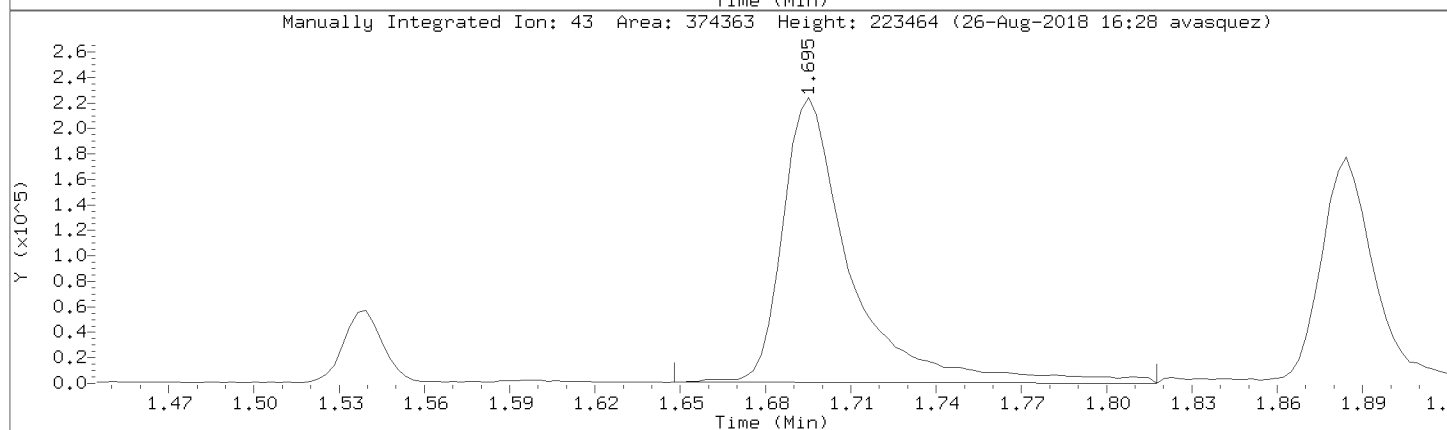
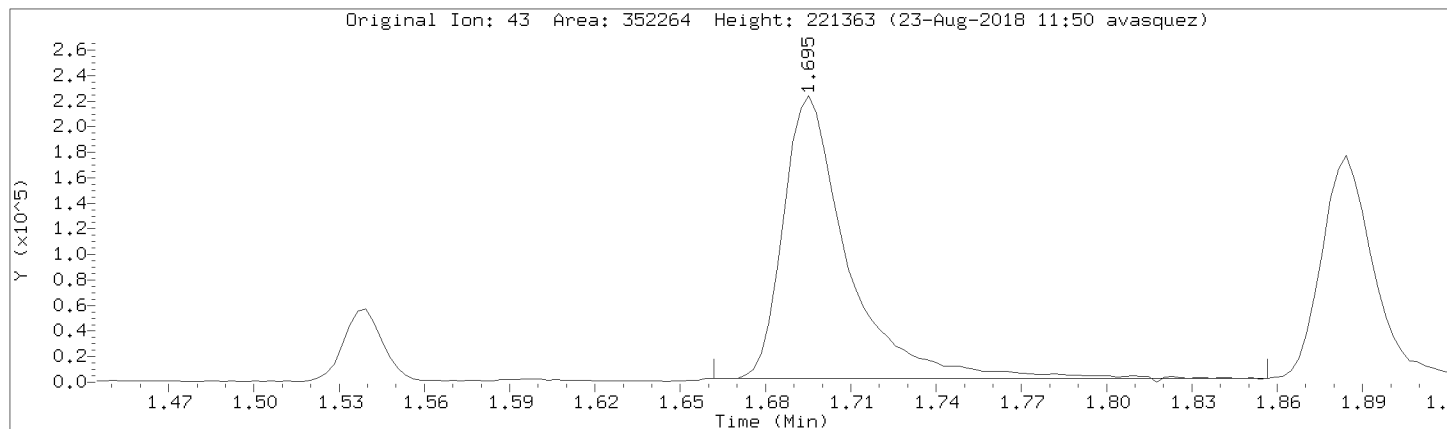
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Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

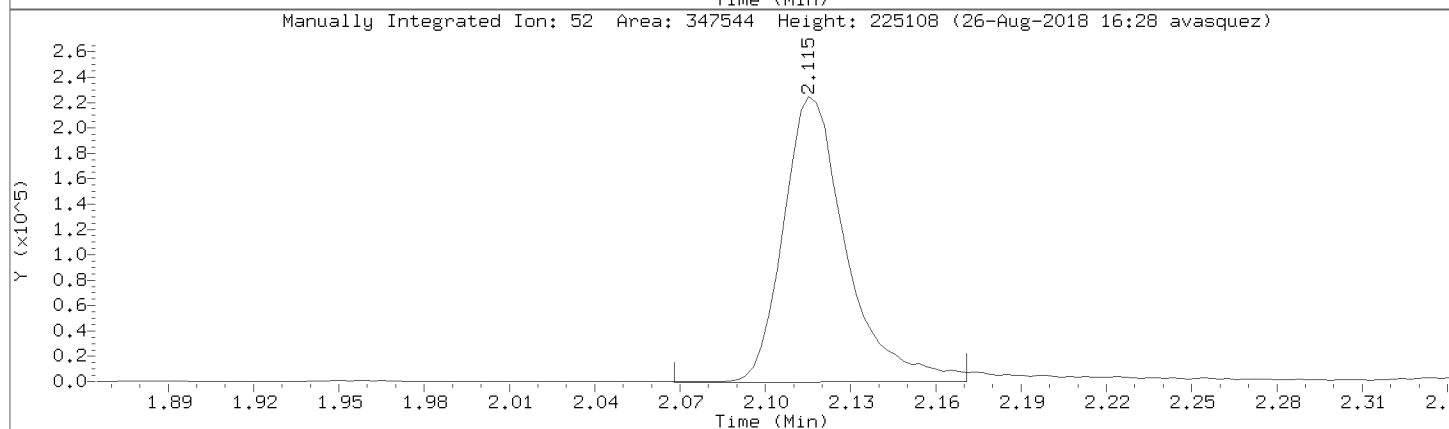
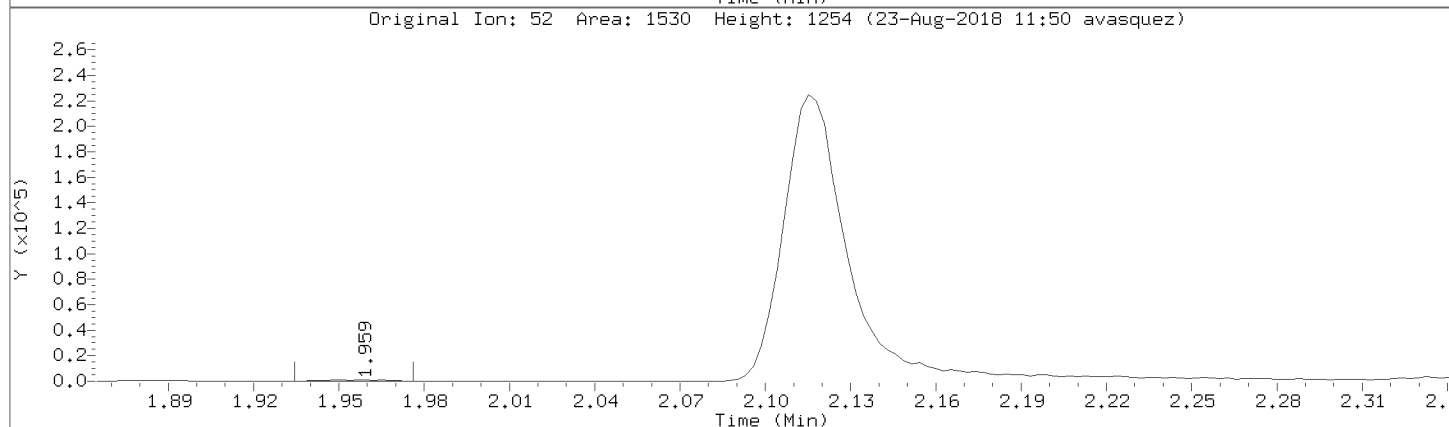
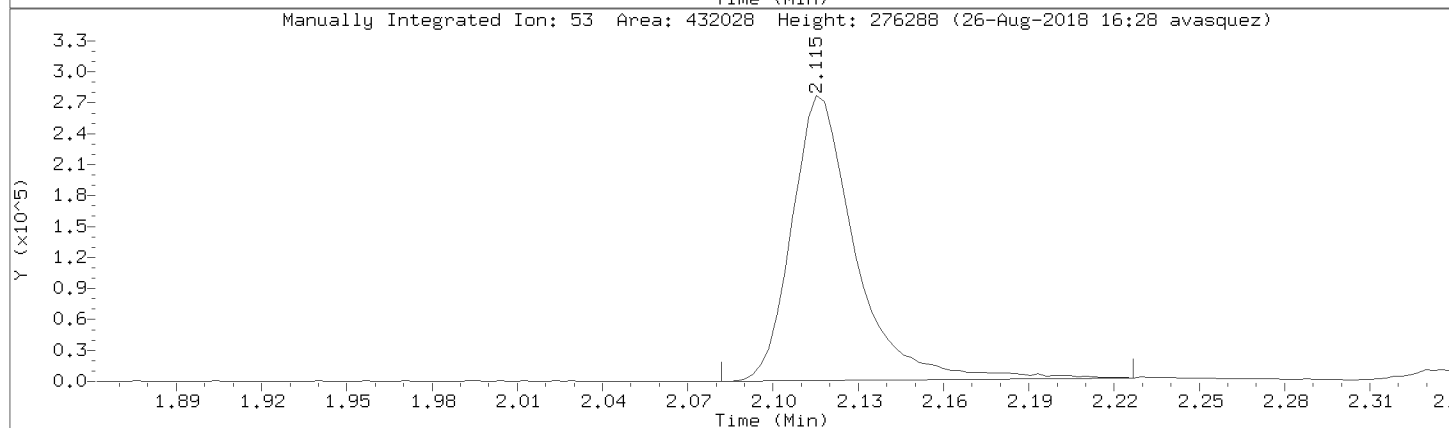
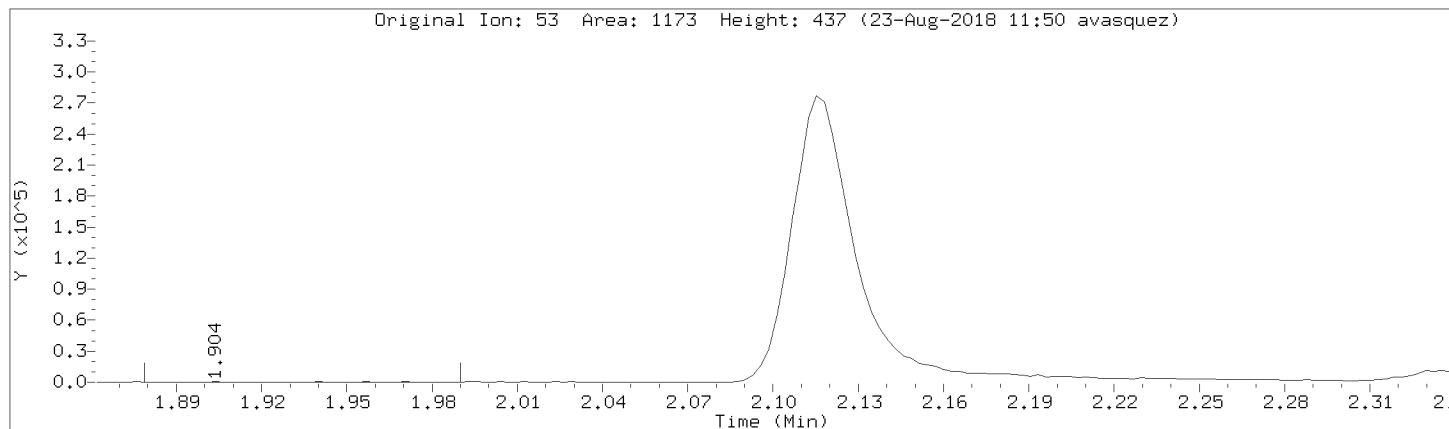
Compound: Acetone Review Code: NI

CAS Number: 67-64-1



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: Acrylonitrile Review Code: BA
CAS Number: 107-13-1



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a08cal.d

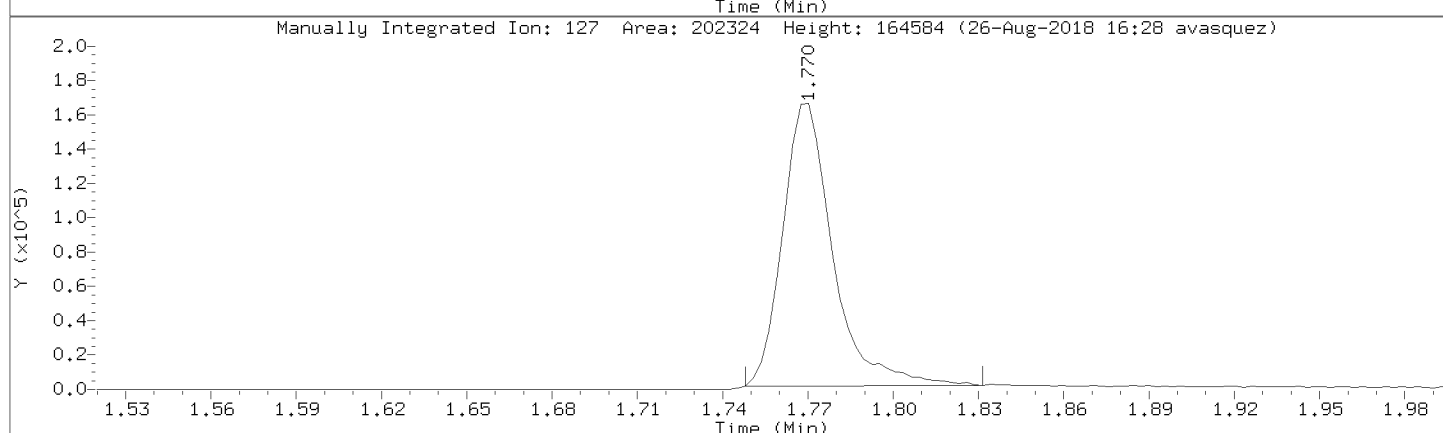
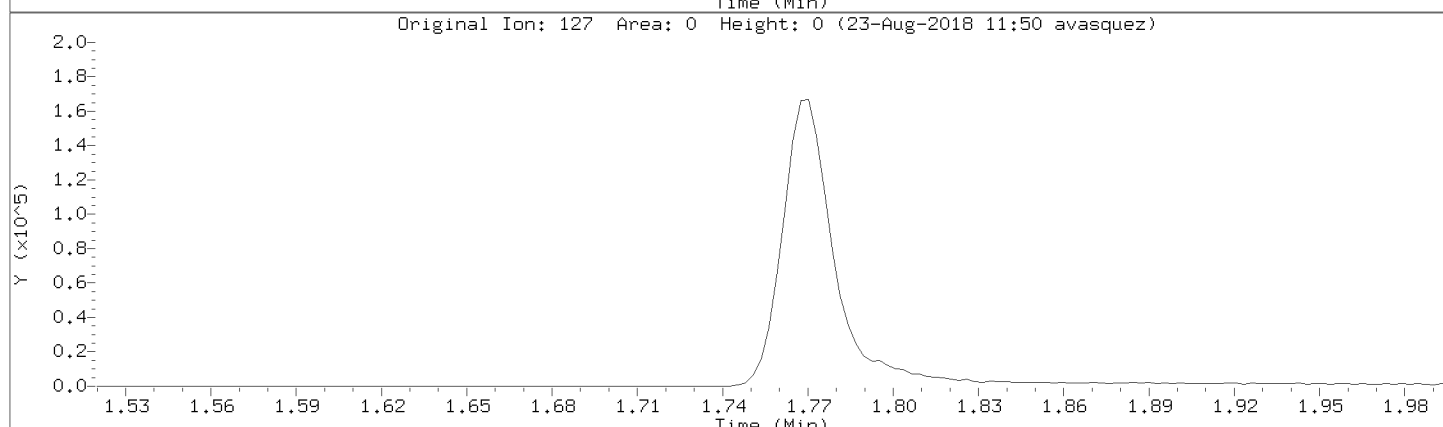
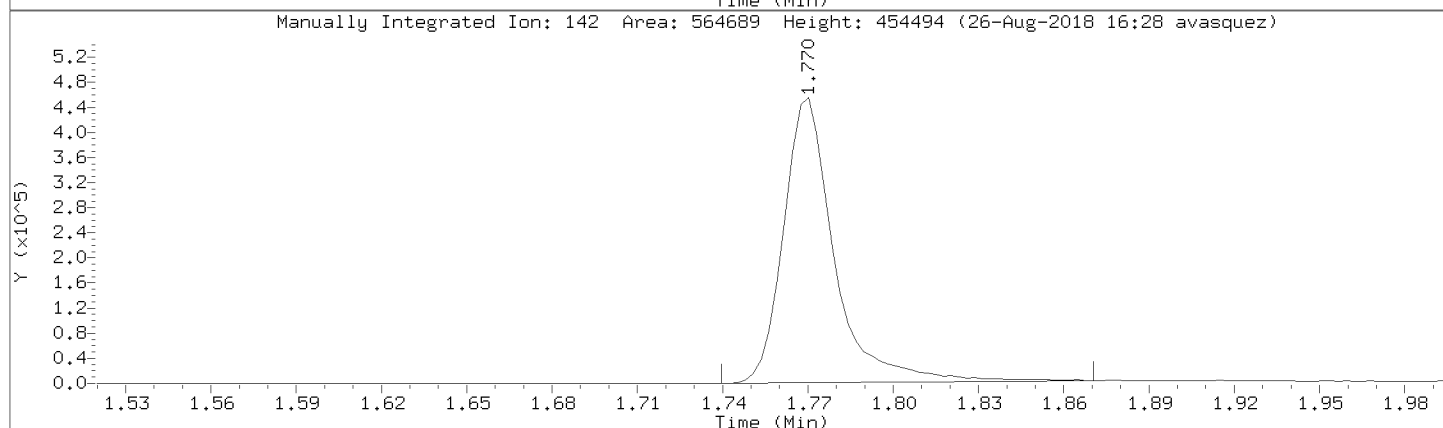
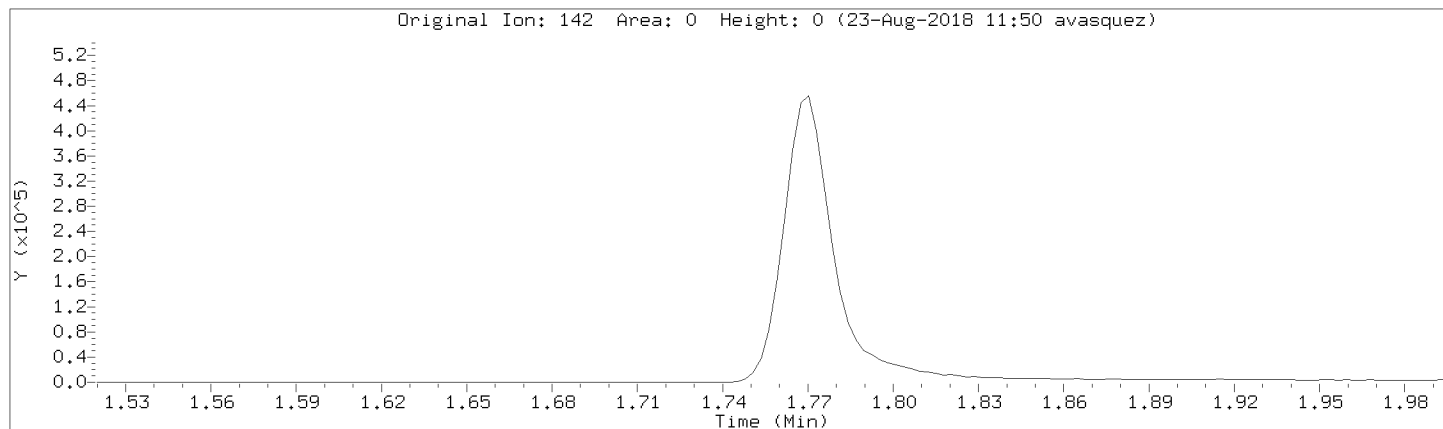
Injection Date: 22-AUG-2018 17:35

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

Compound: Iodomethane Review Code: NI

CAS Number:



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Injection Date: 22-AUG-2018 17:35

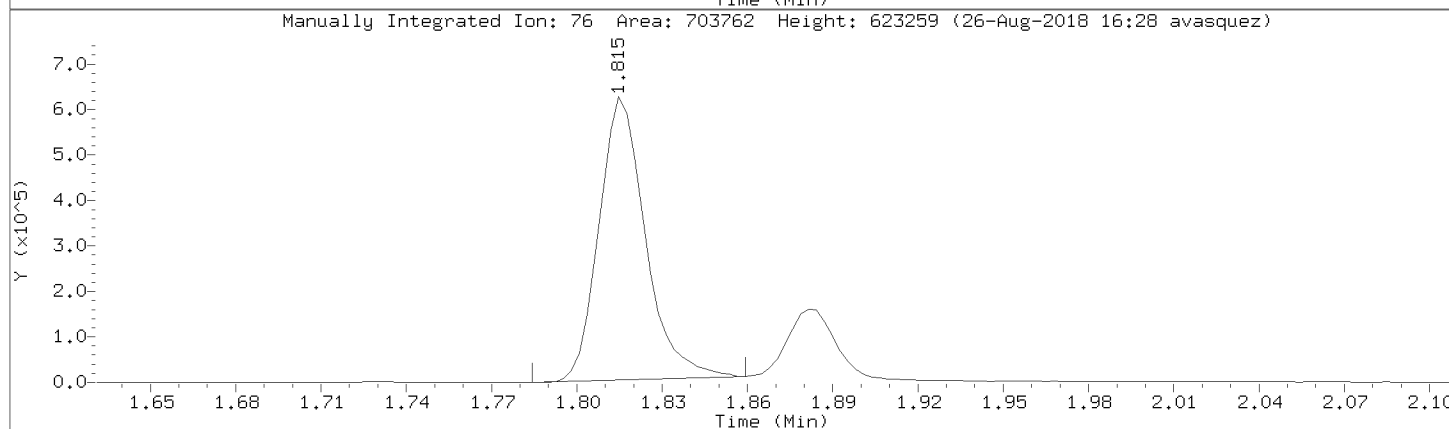
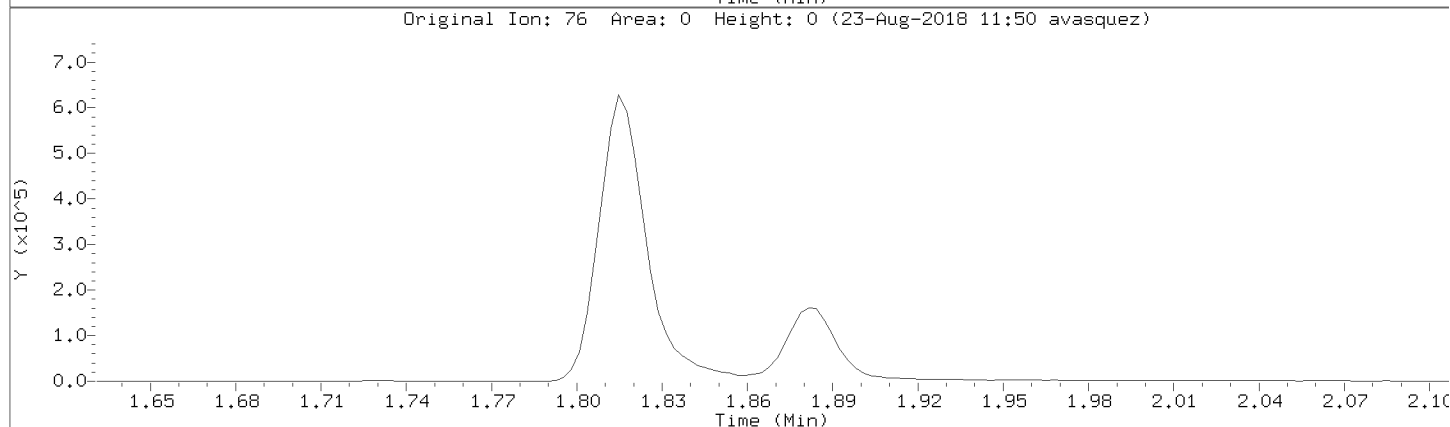
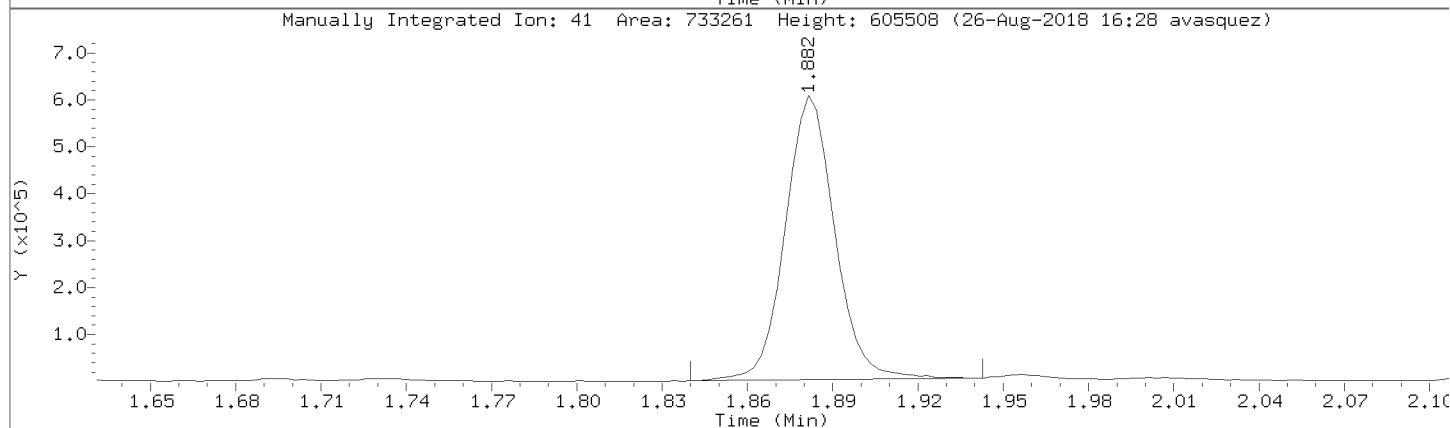
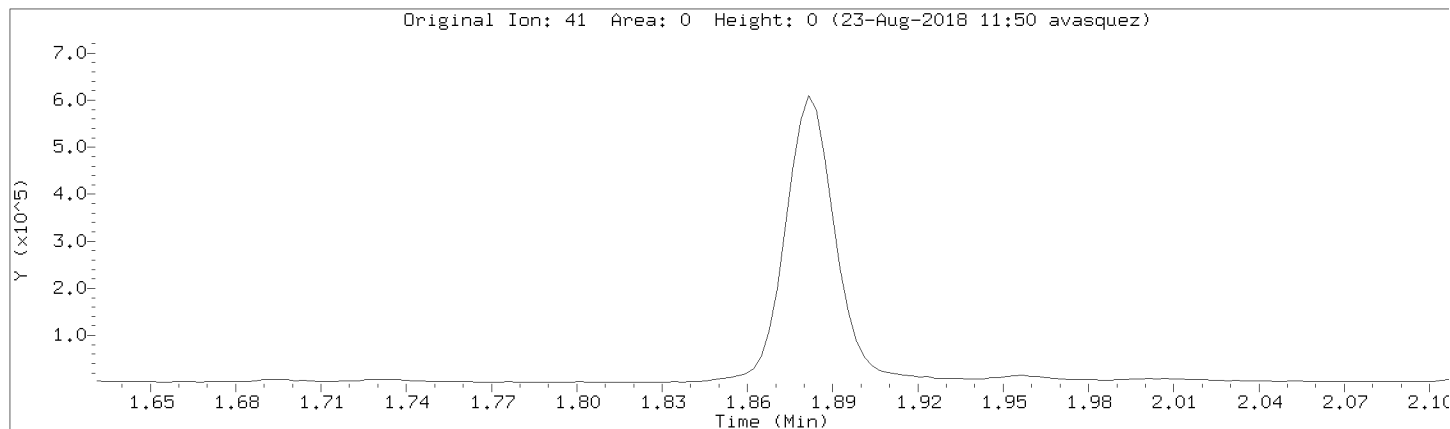
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

Compound: allyl chloride

Review Code: NI

CAS Number: 107-05-1



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a08cal.d

Injection Date: 22-AUG-2018 17:35

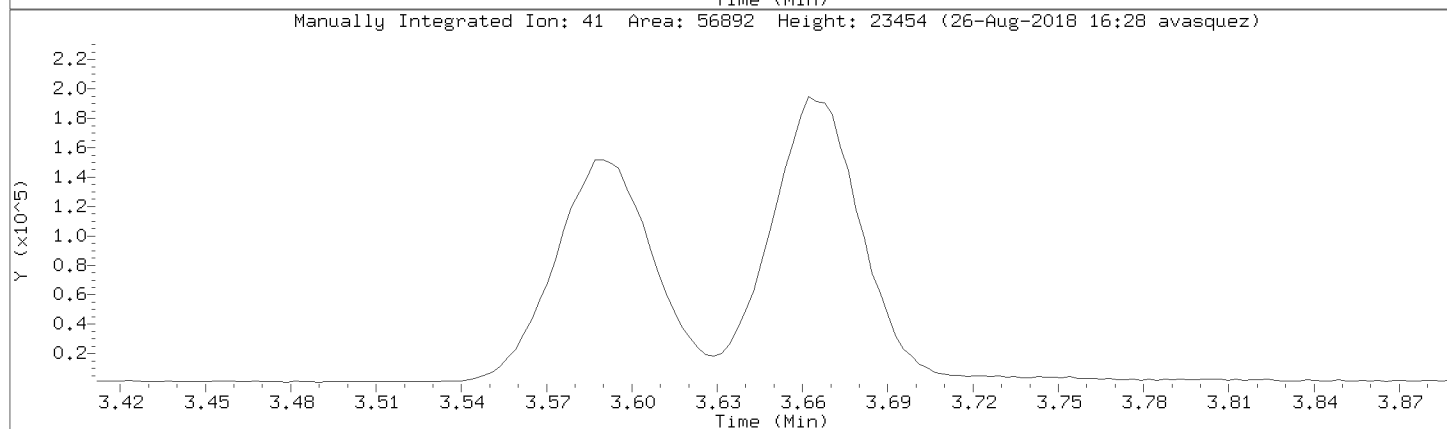
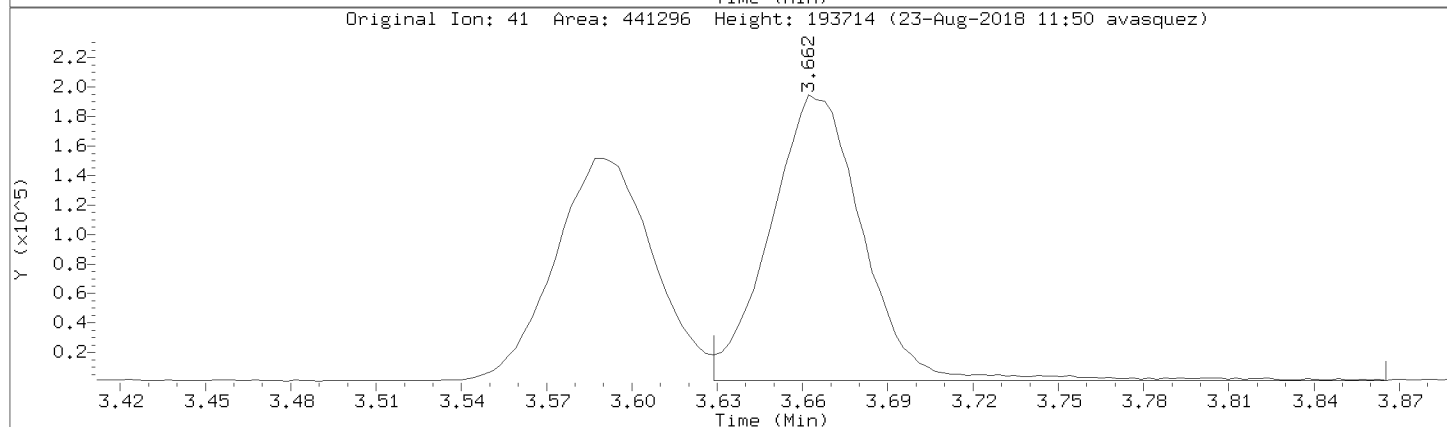
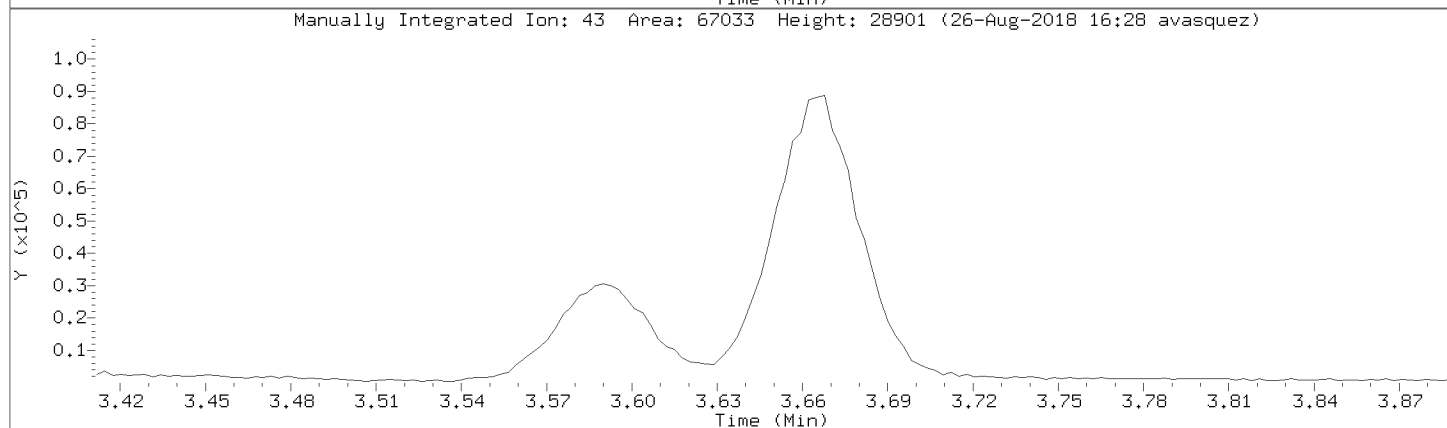
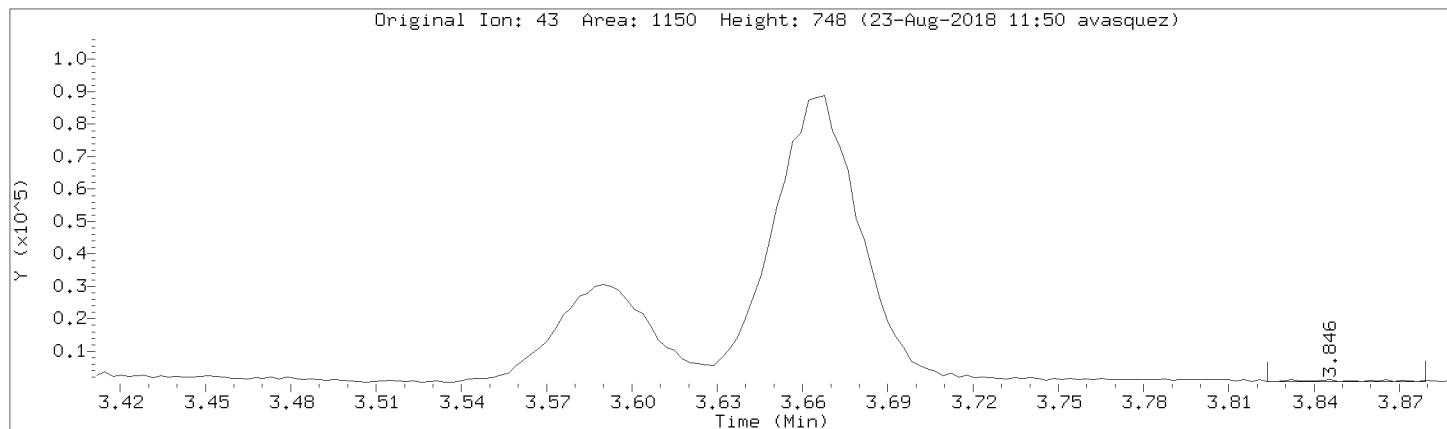
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

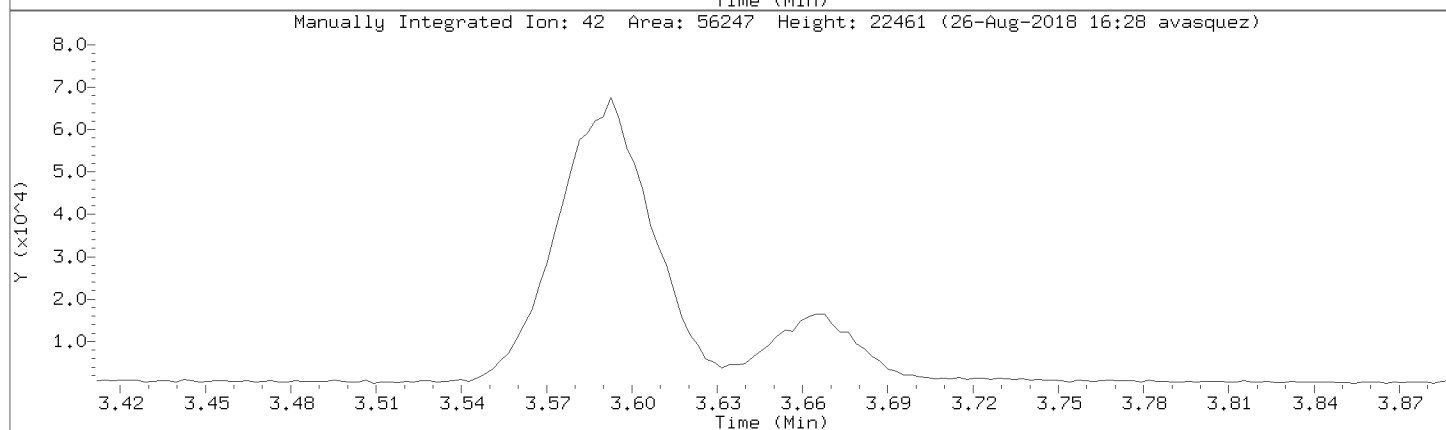
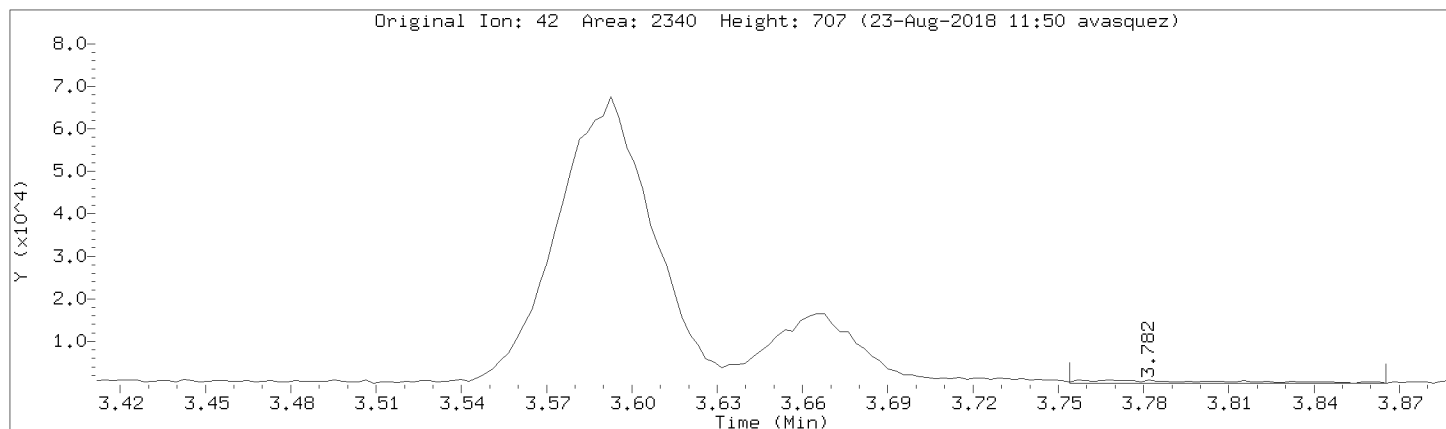
Compound: Isobutyl alcohol

Review Code:

CAS Number: 78-83-1

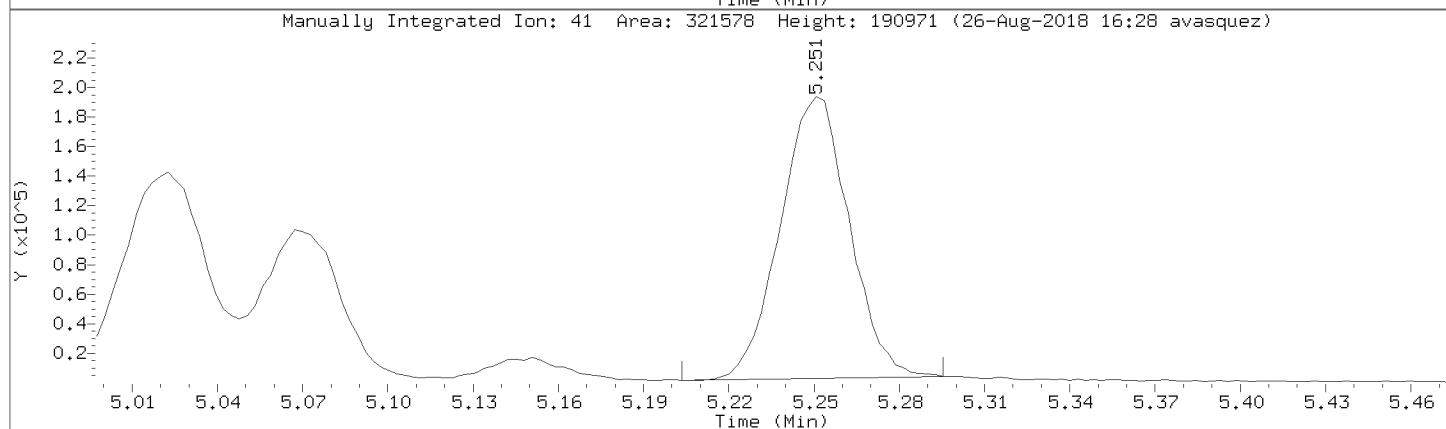
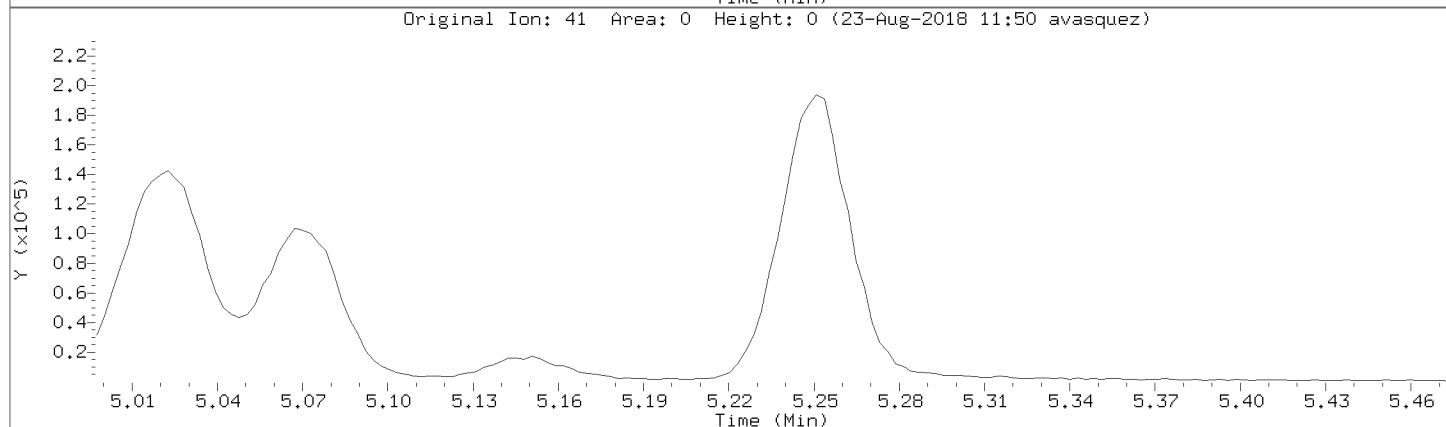
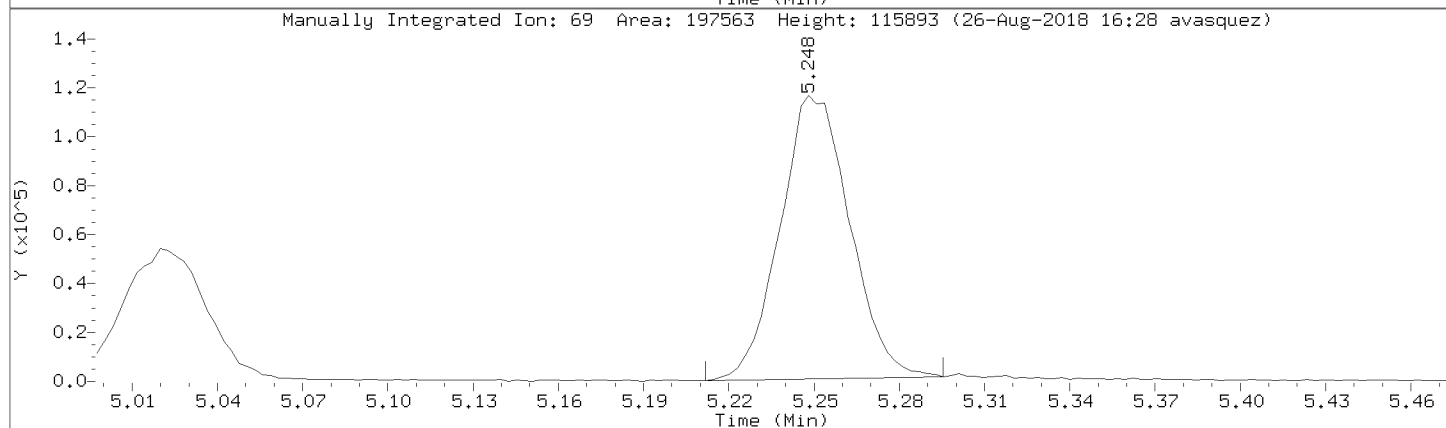
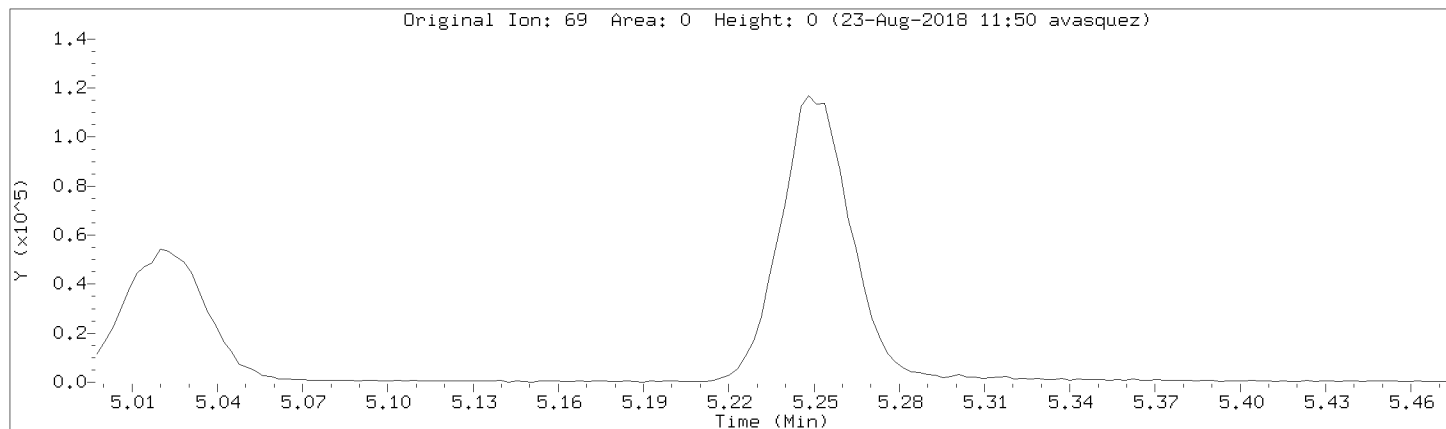


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Injection Date: 22-AUG-2018 17:35
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7

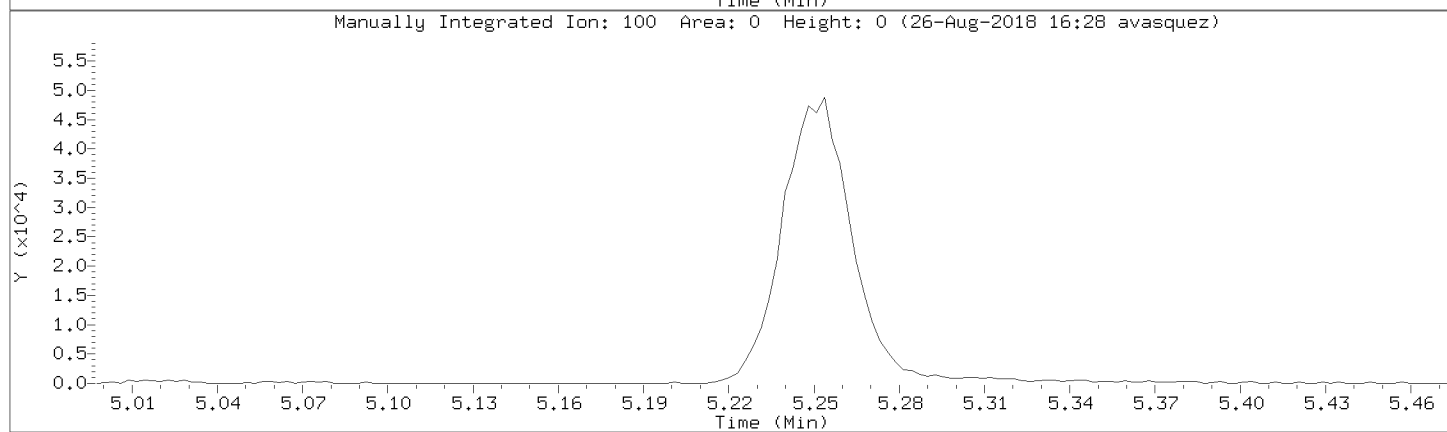
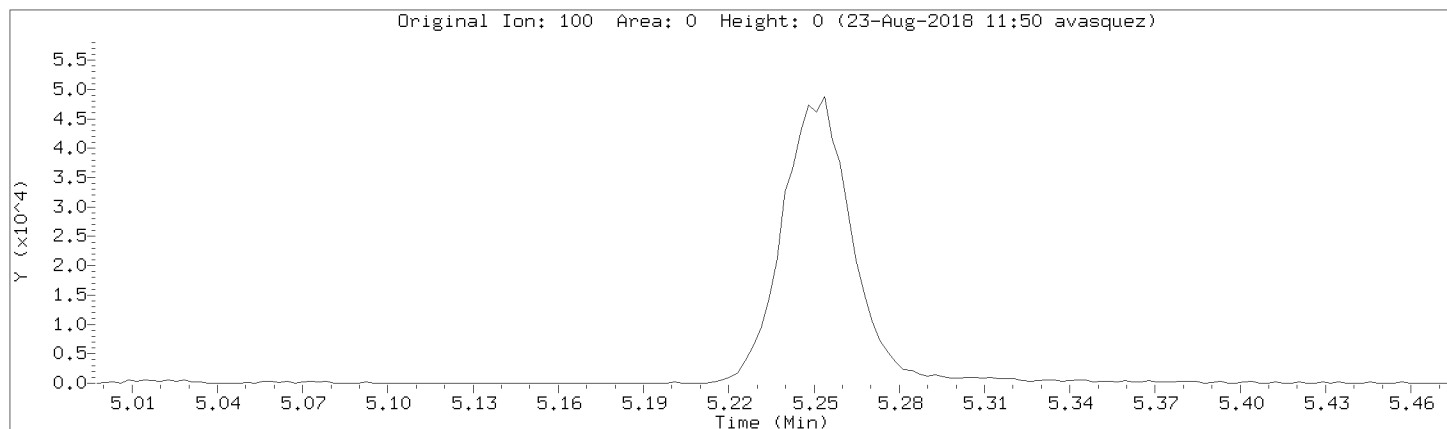


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Injection Date: 22-AUG-2018 17:35
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7

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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Injection Date: 22-AUG-2018 17:35

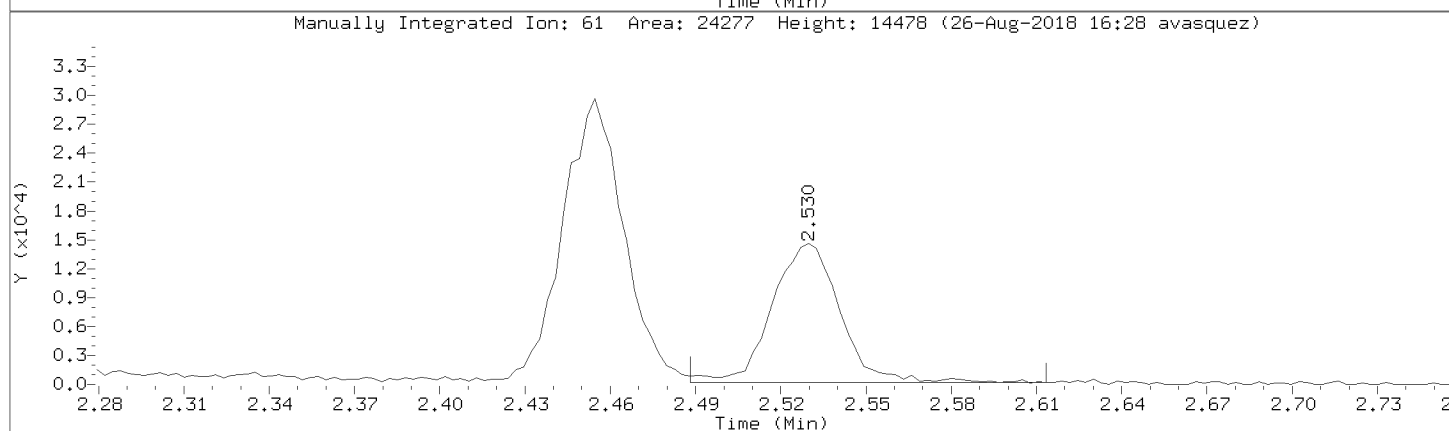
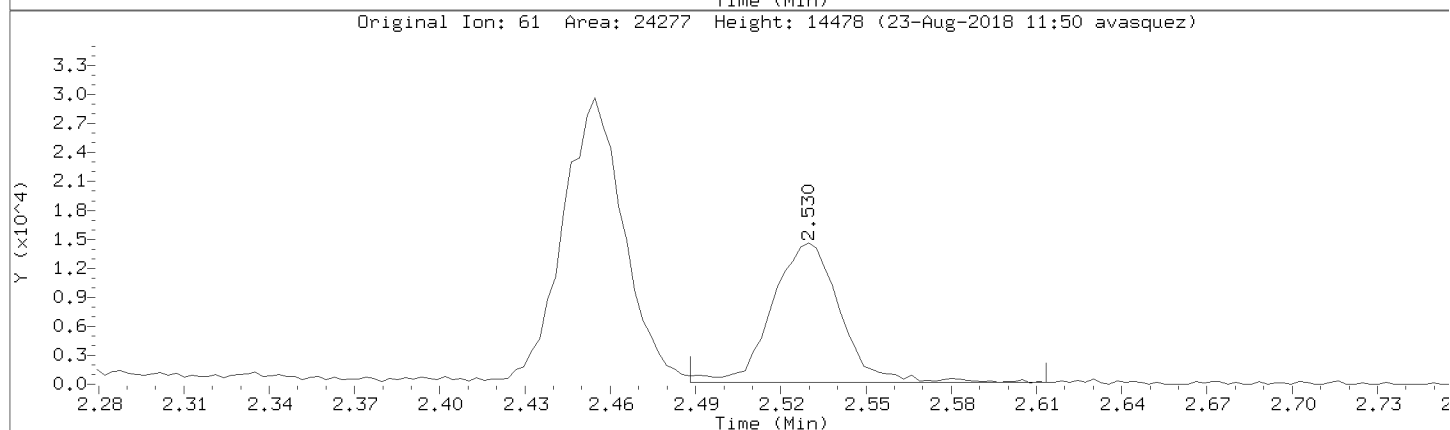
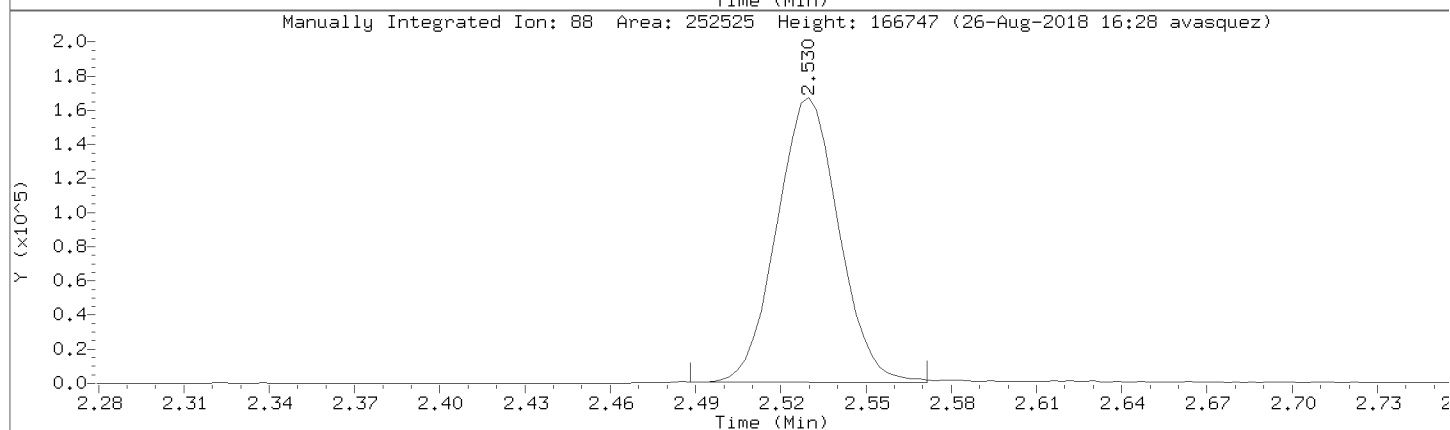
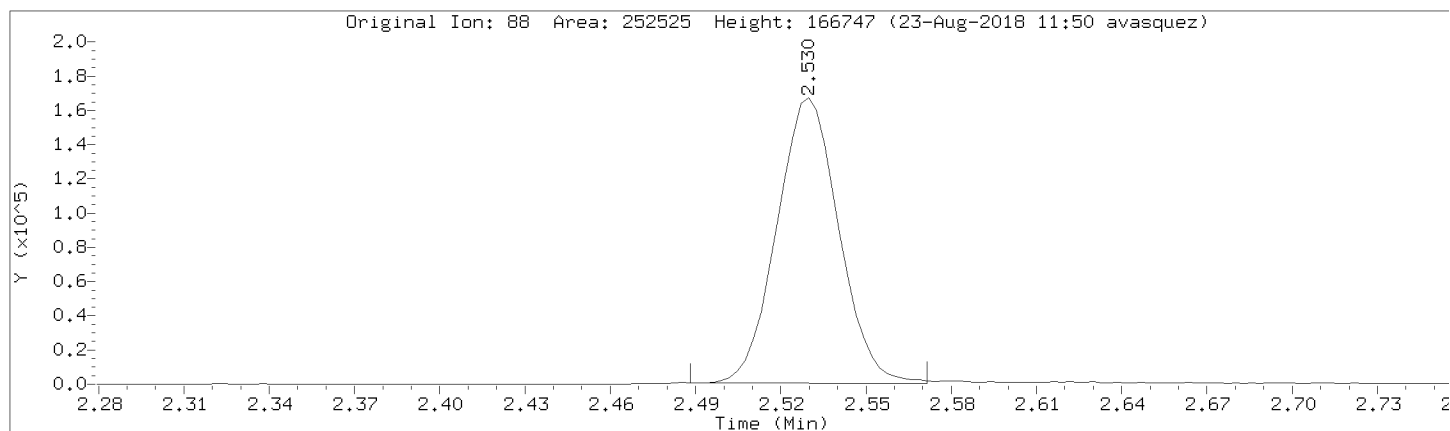
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

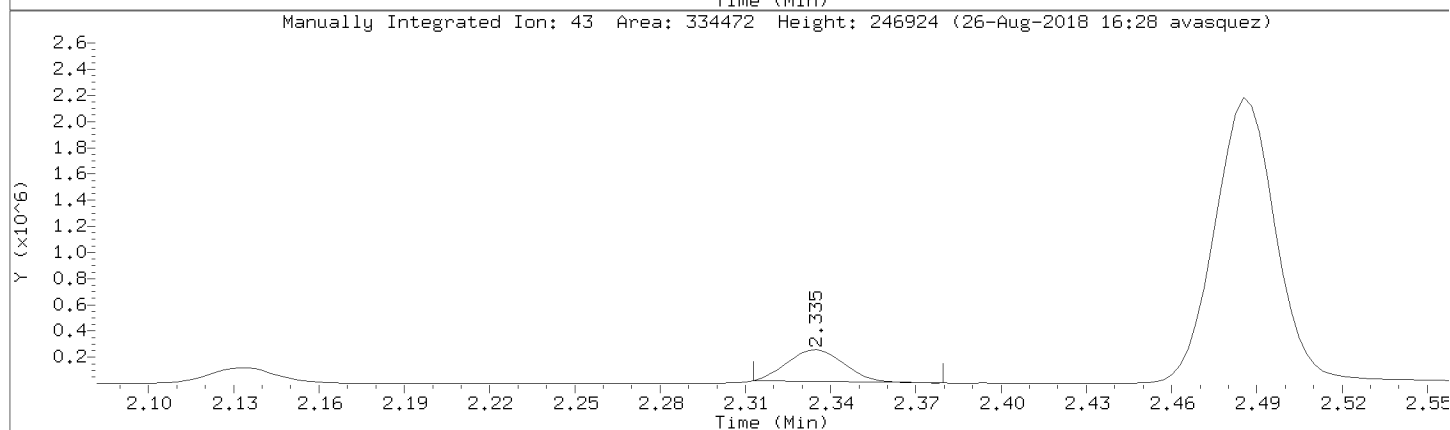
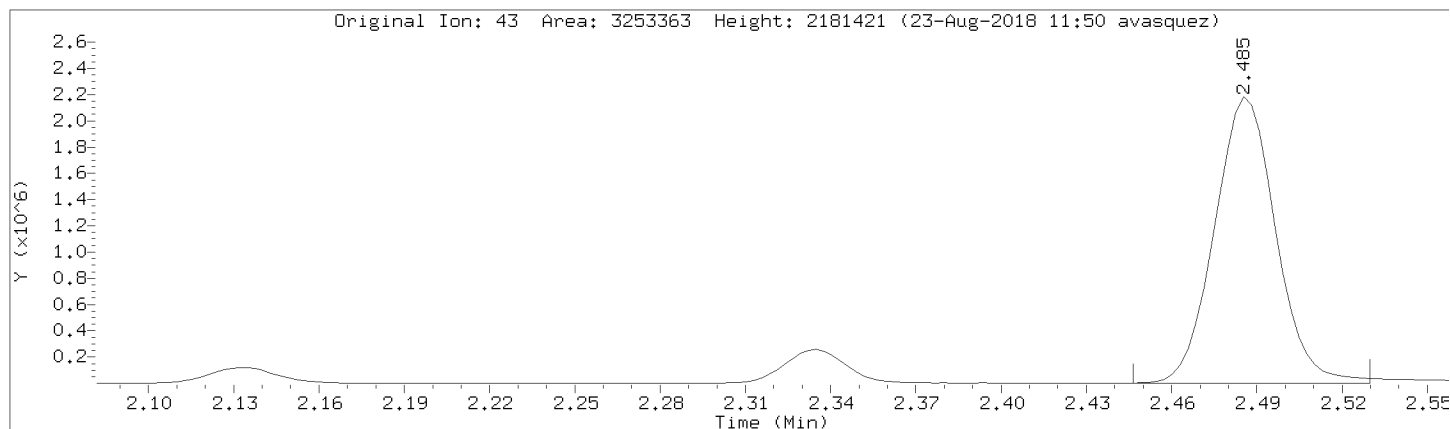
Compound: Ethyl acetate

Review Code: WP

CAS Number: 141-78-6



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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Injection Date: 22-AUG-2018 17:35

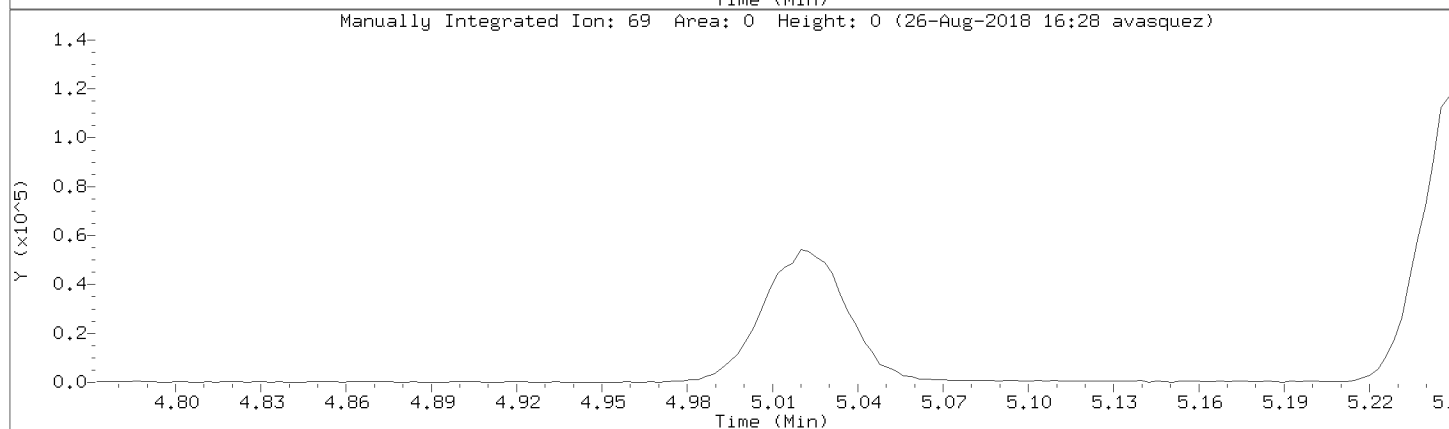
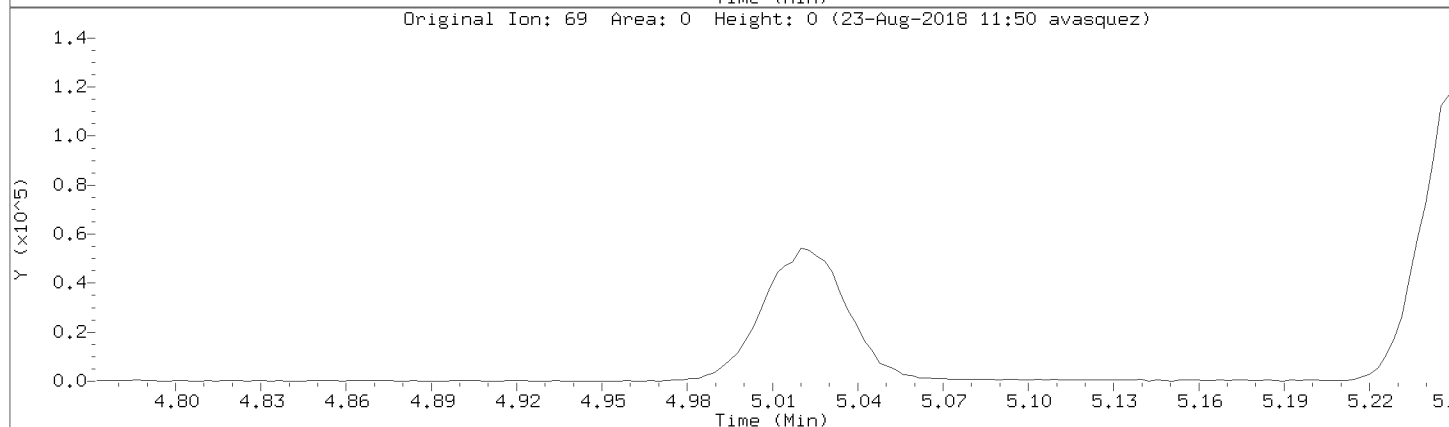
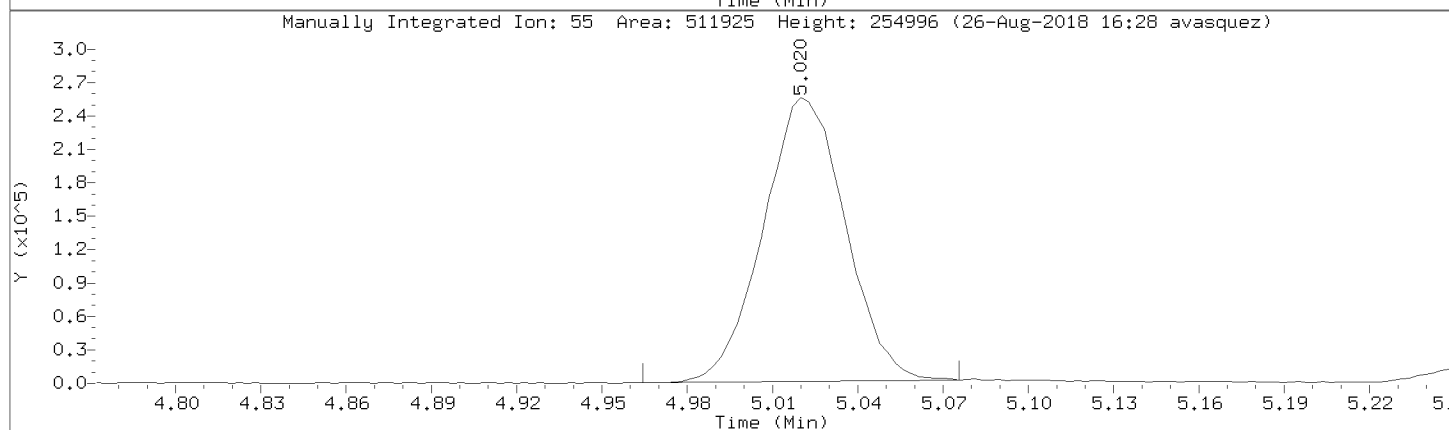
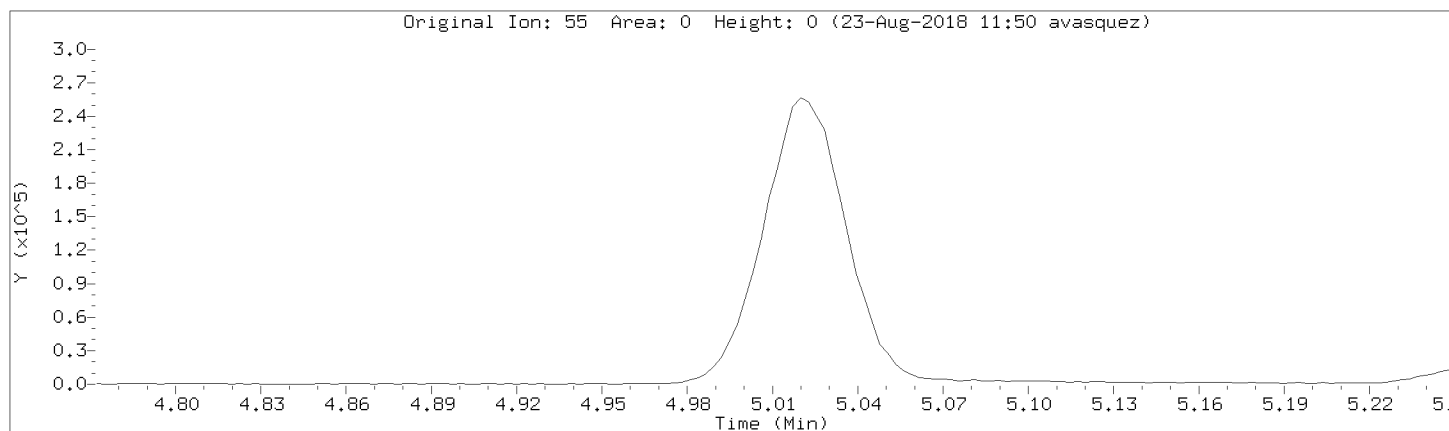
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

Compound: Methylcyclohexane

Review Code: NI

CAS Number: 108-87-2

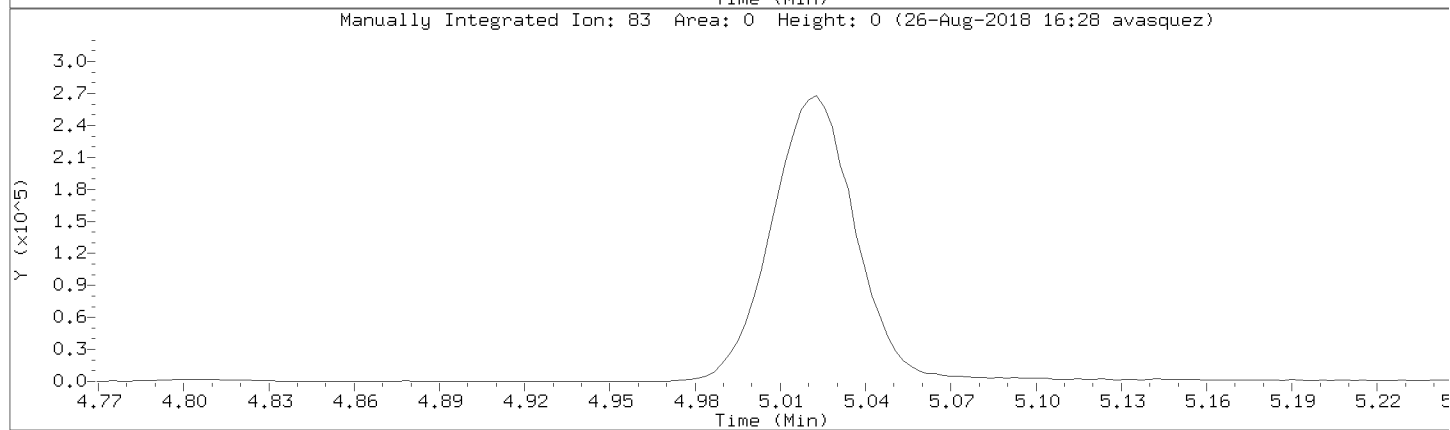
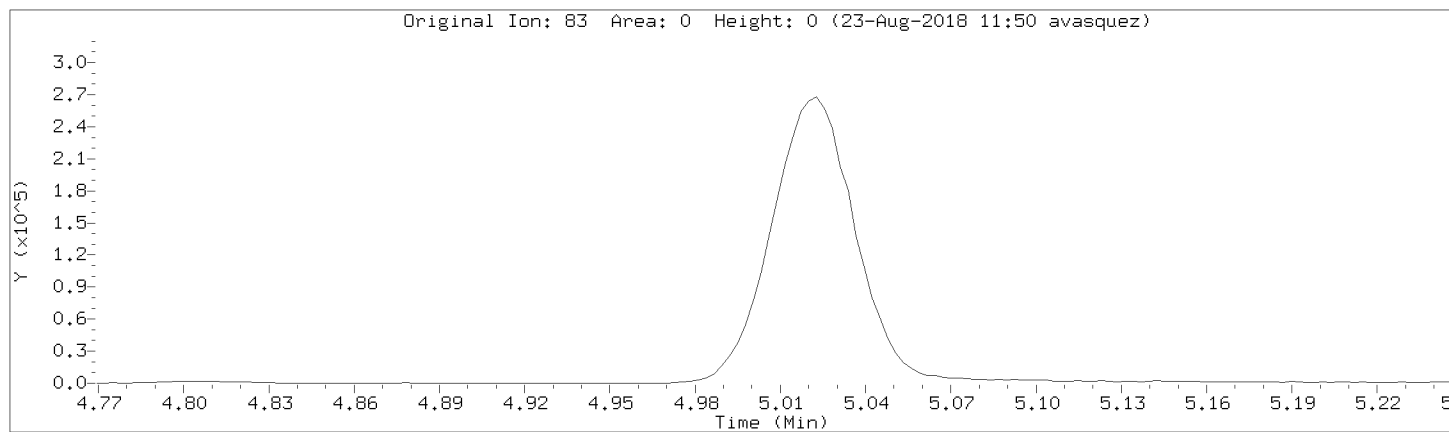


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Injection Date: 22-AUG-2018 17:35

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

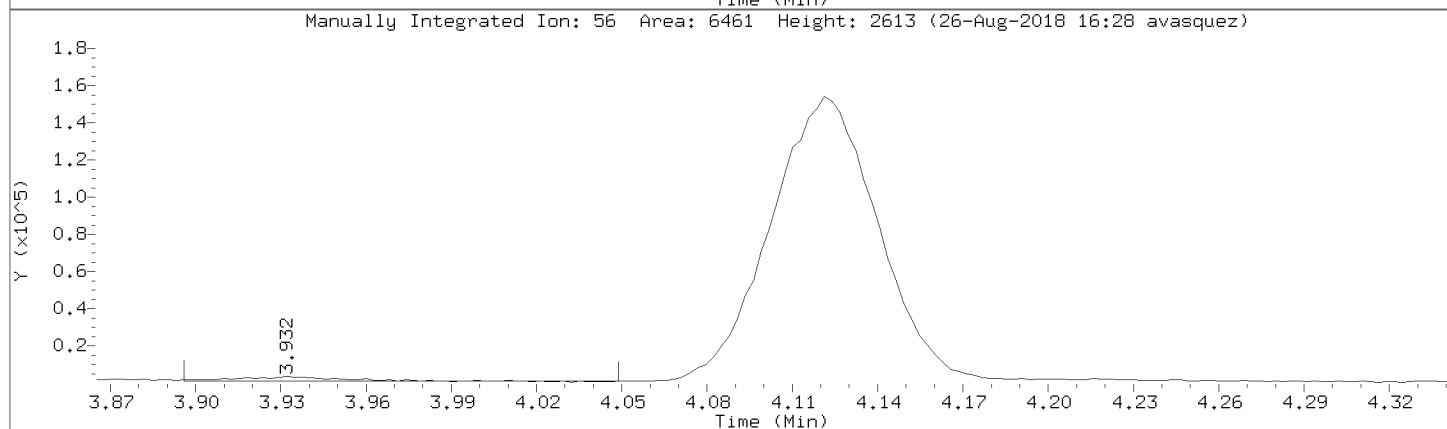
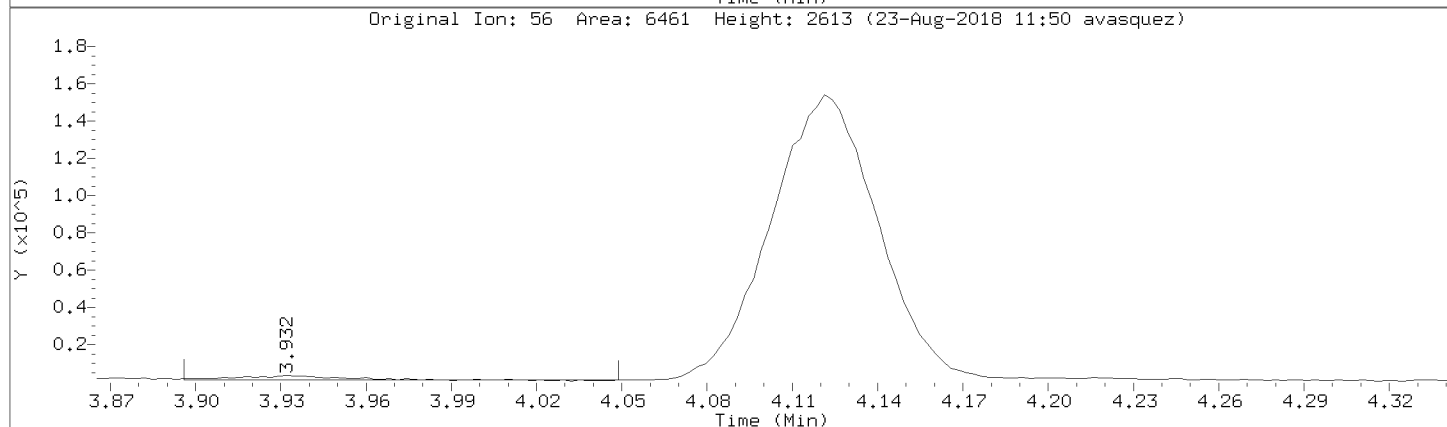
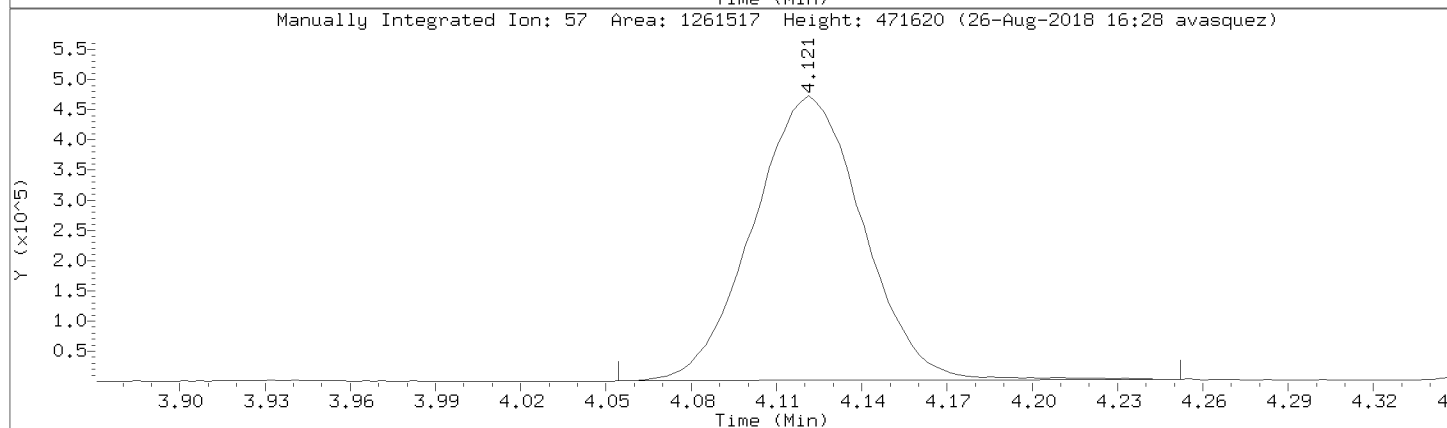
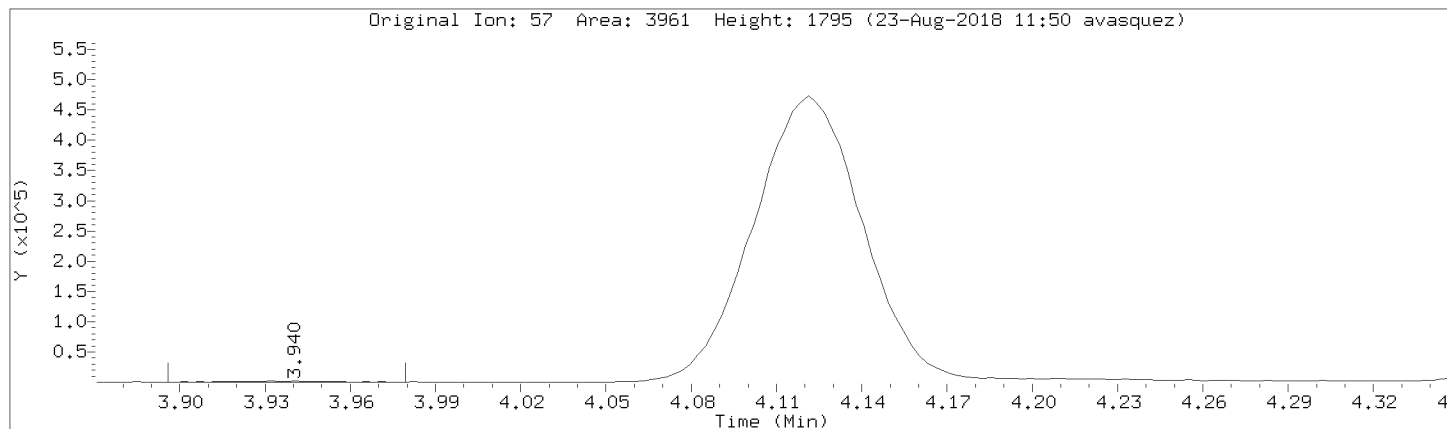
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

Compound: 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

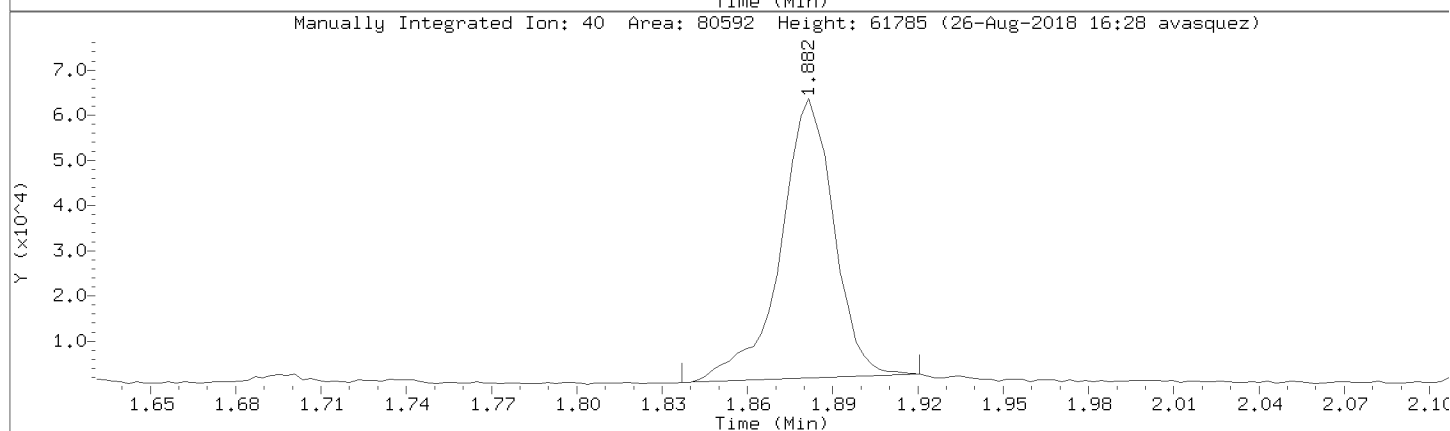
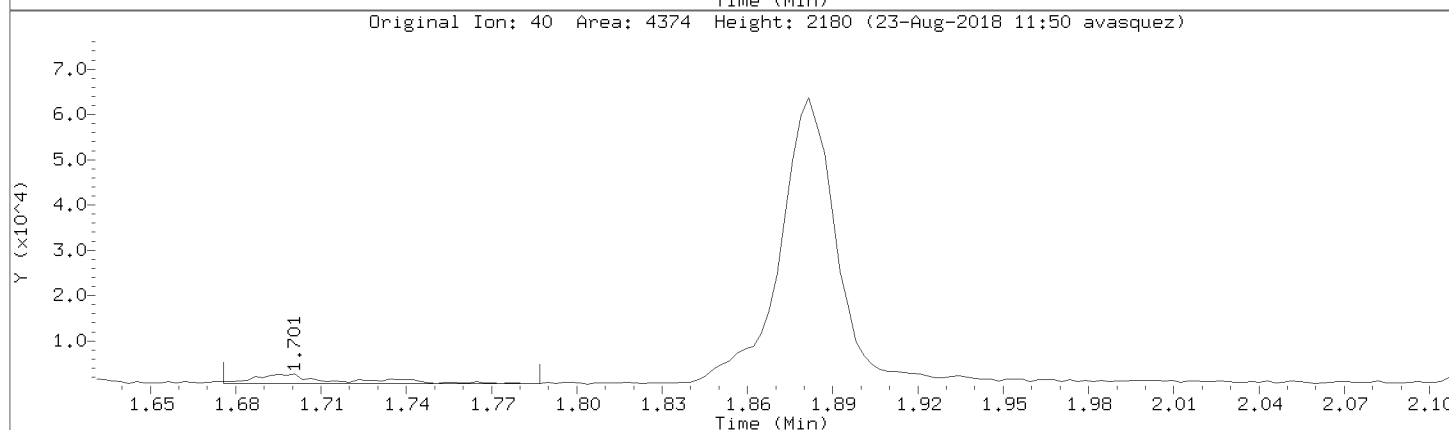
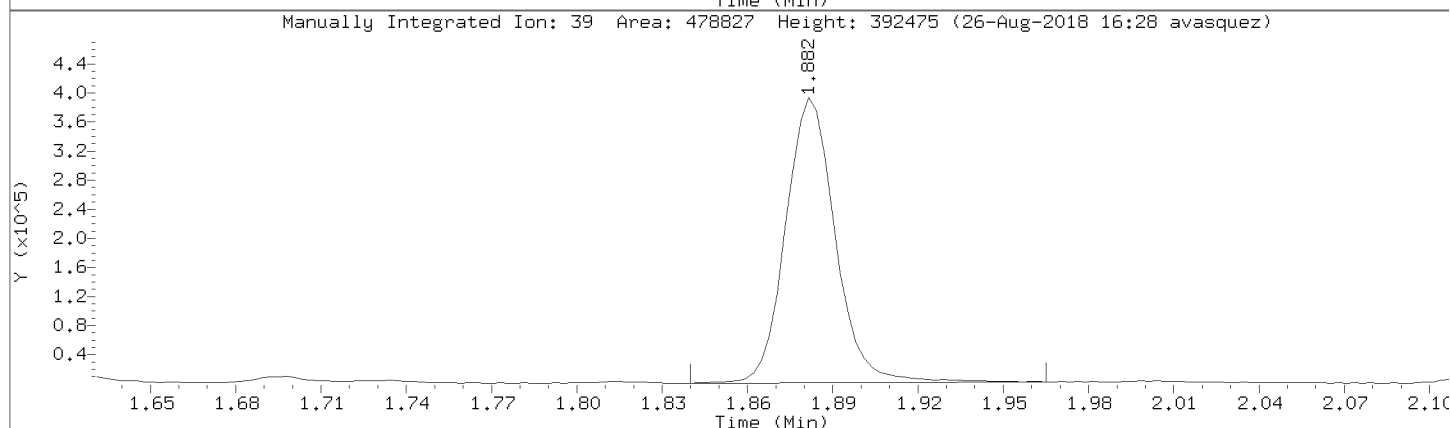
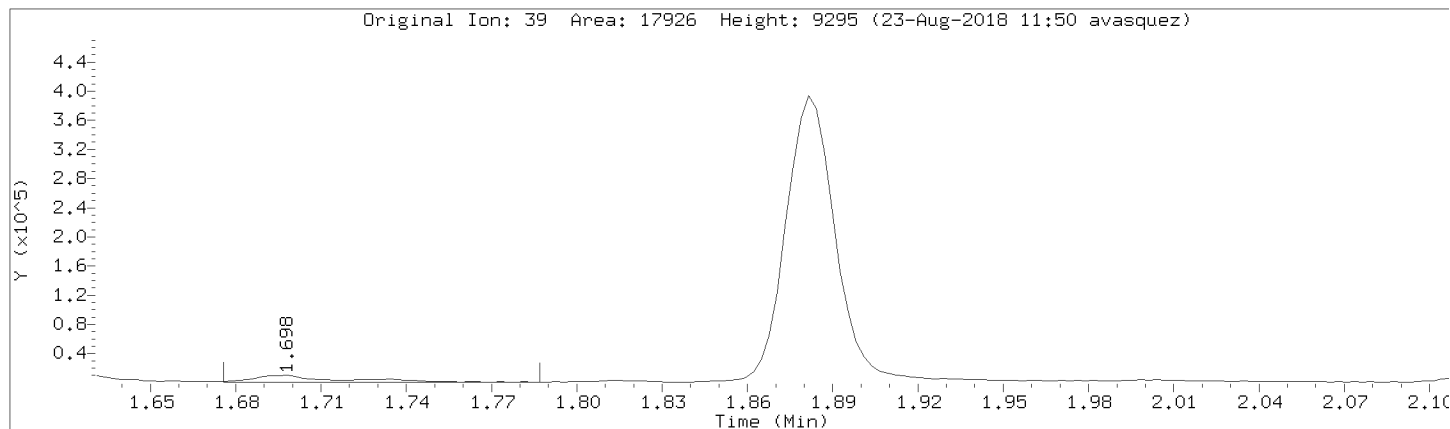
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

Compound: Acetonitrile

Review Code: LT

CAS Number: 75-05-8

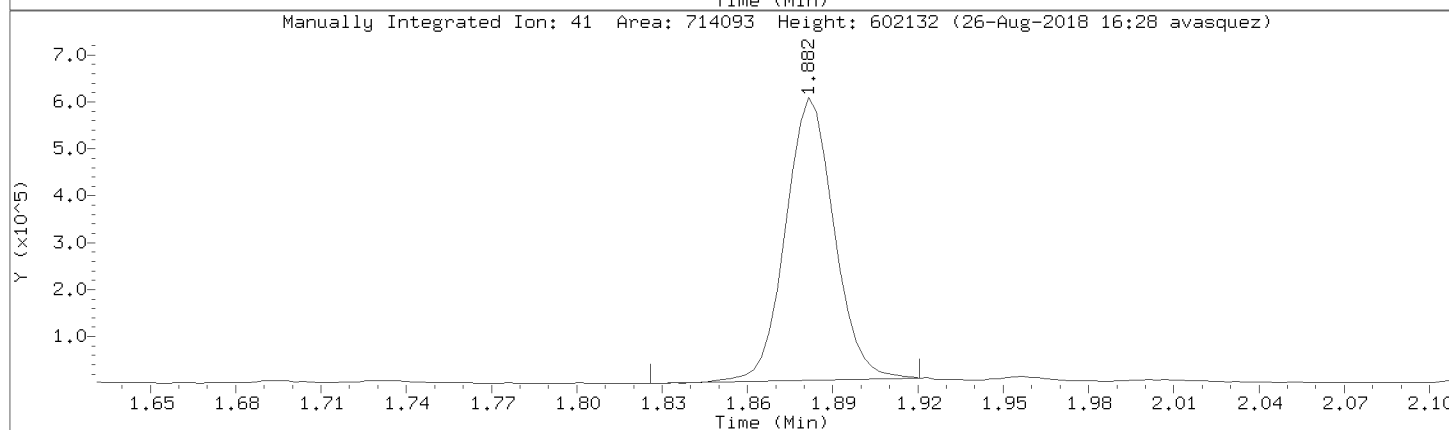
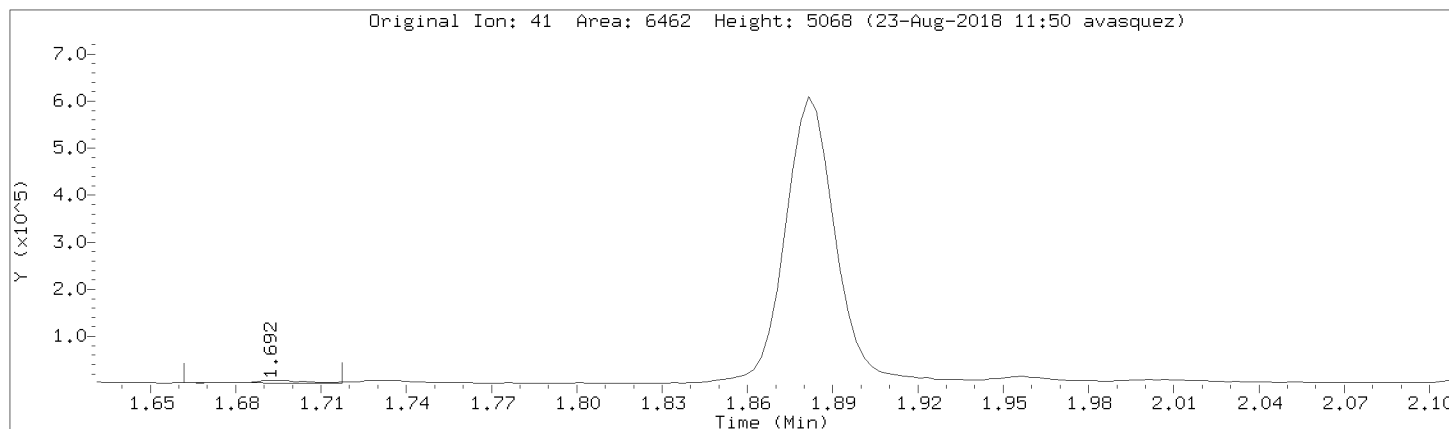


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Injection Date: 22-AUG-2018 17:35

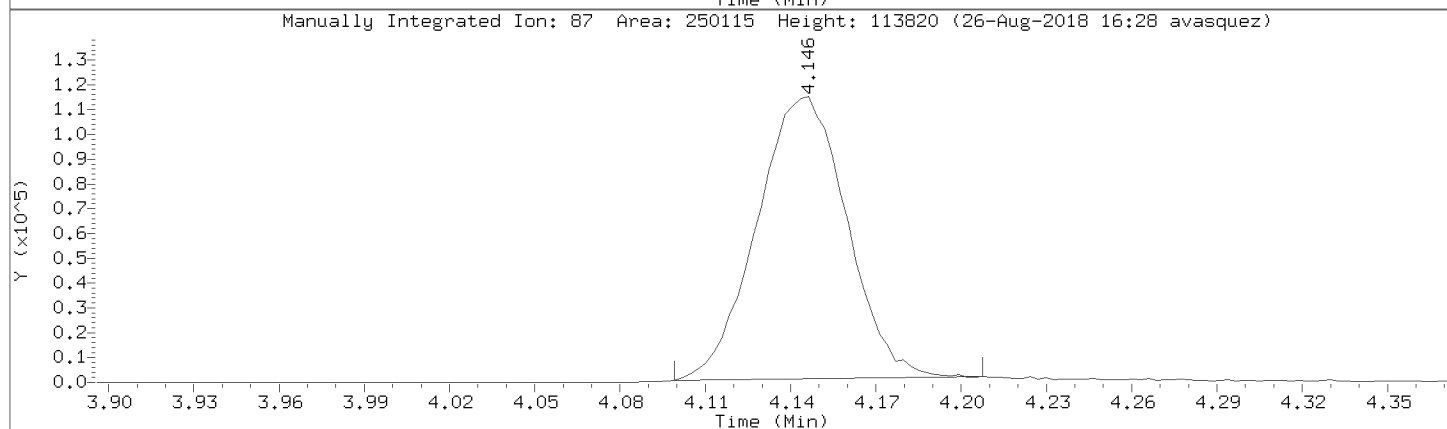
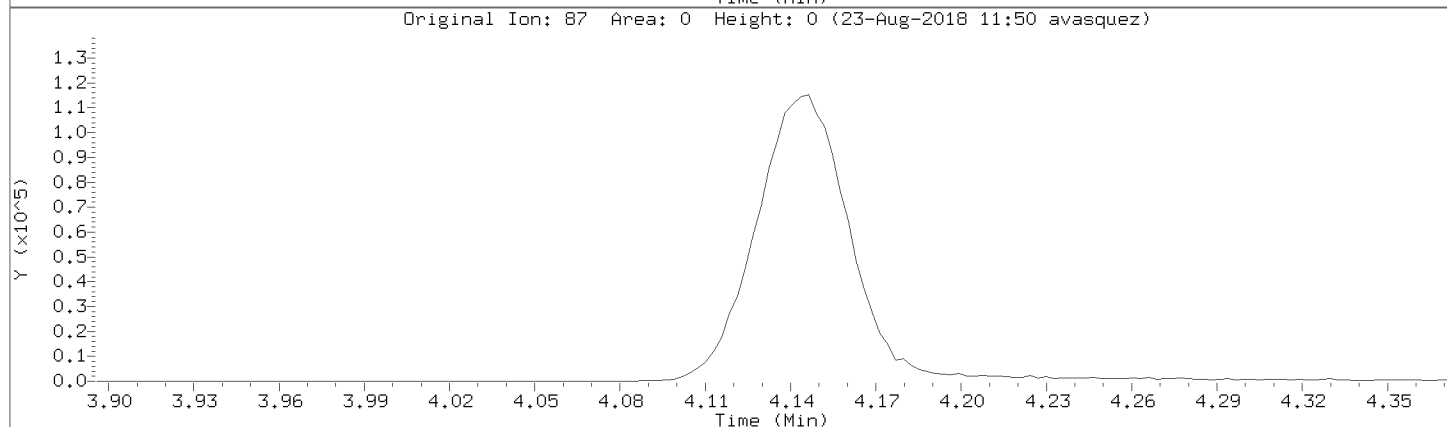
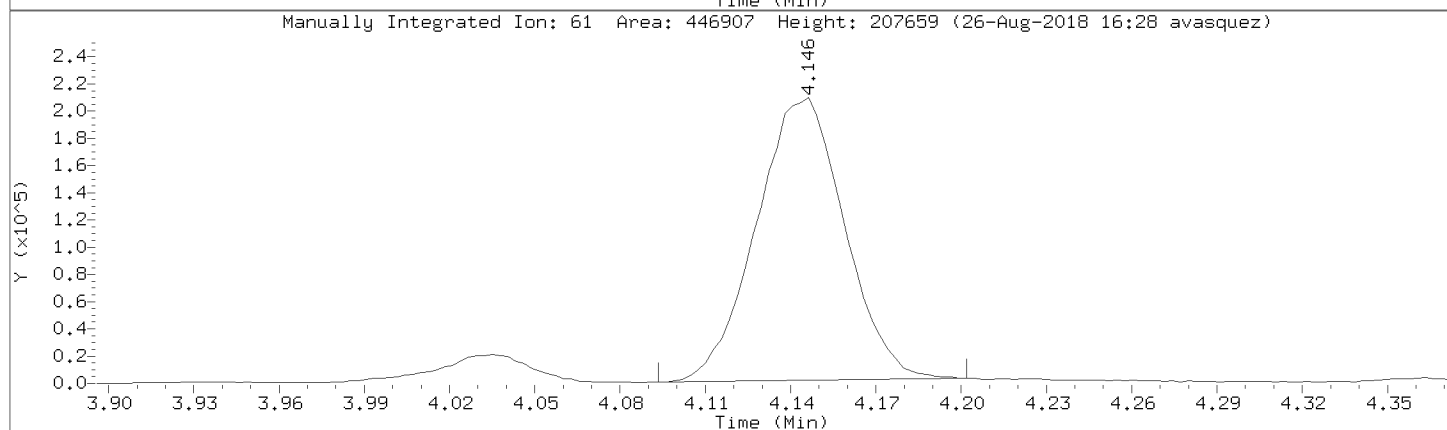
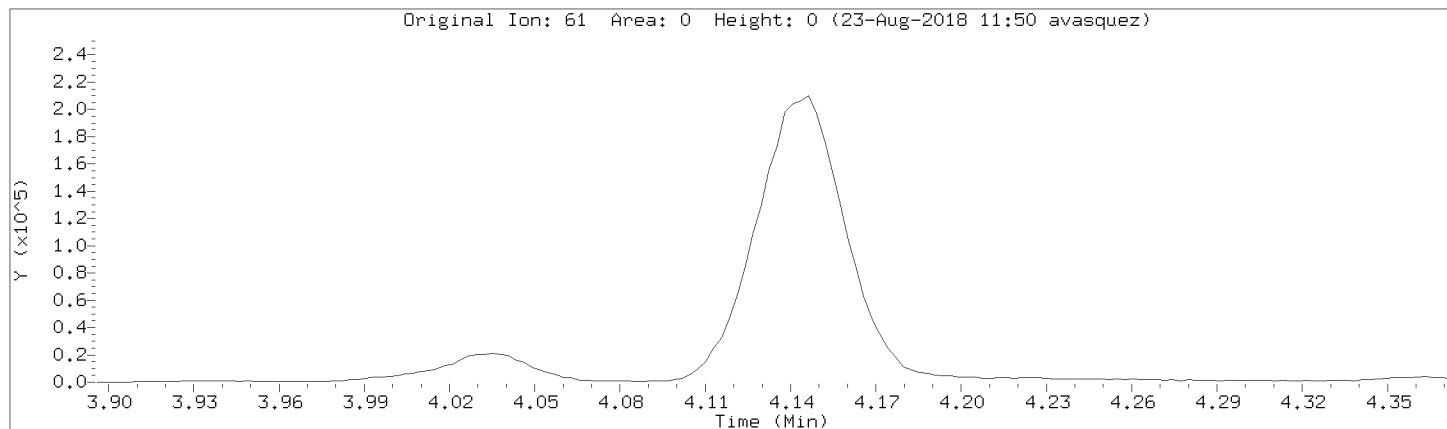
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

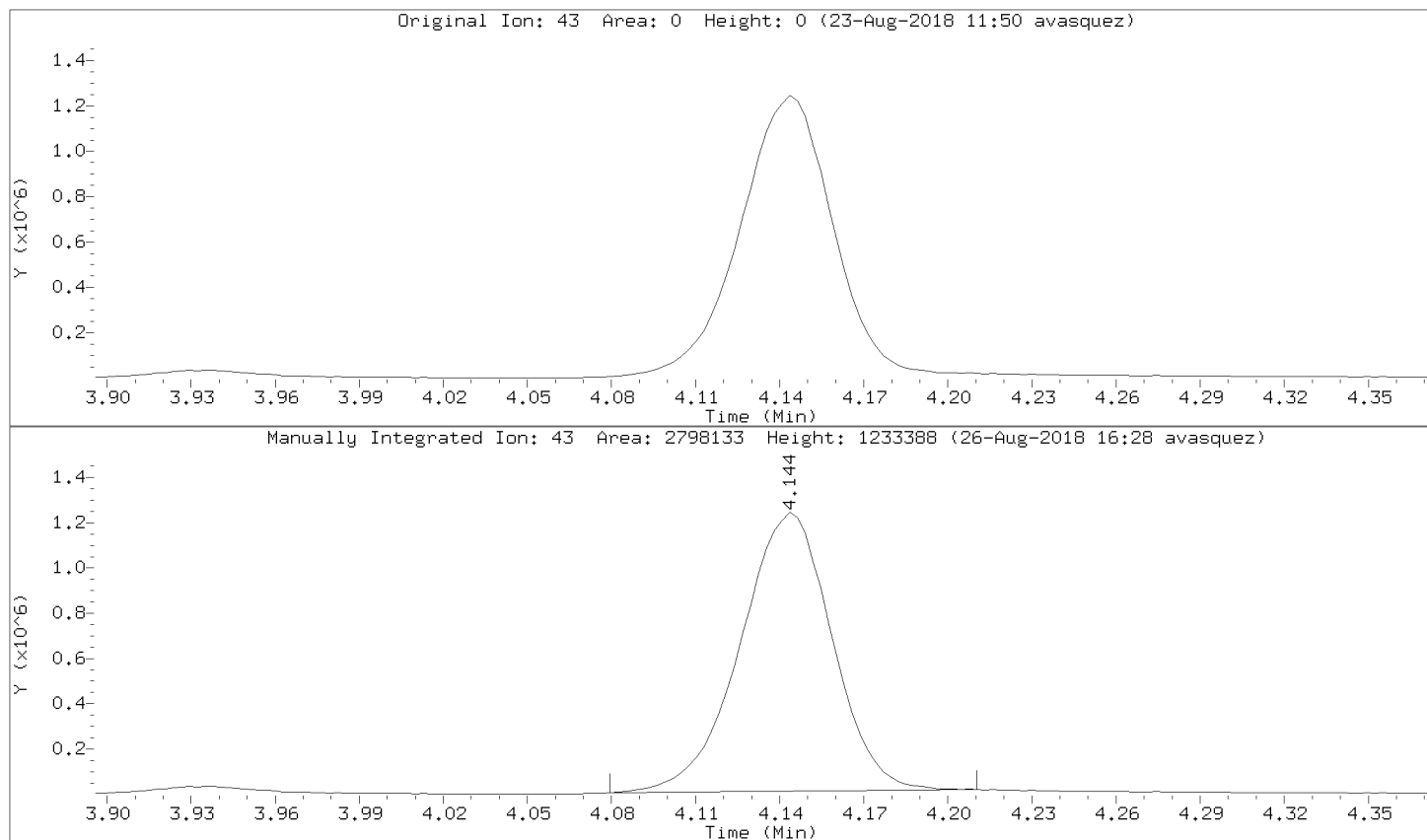


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a08cal.d
Injection Date: 22-AUG-2018 17:35
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7

Compound: 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



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a08cal.d

Injection Date: 22-AUG-2018 17:35

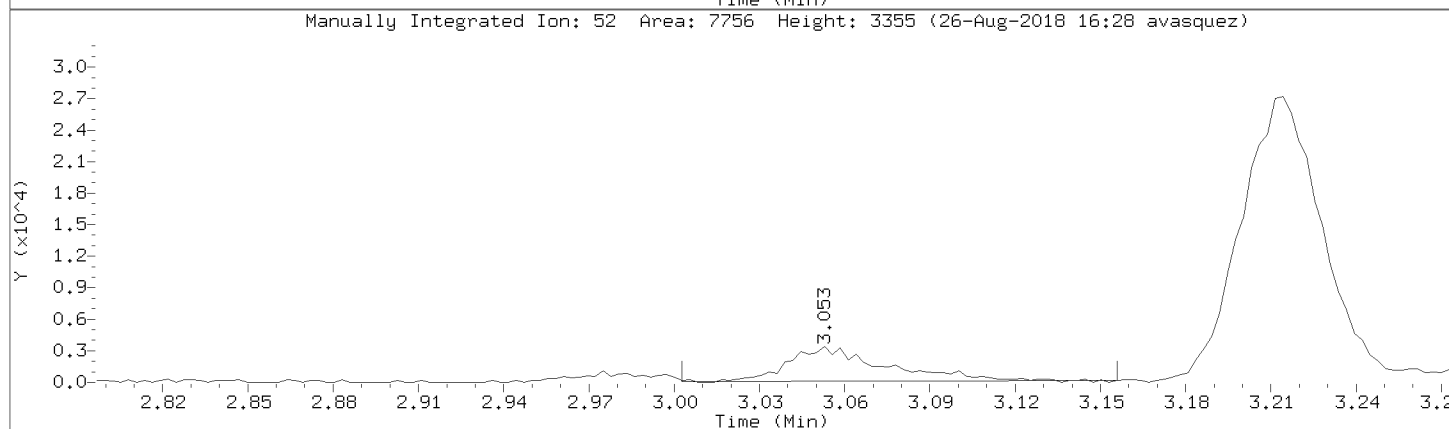
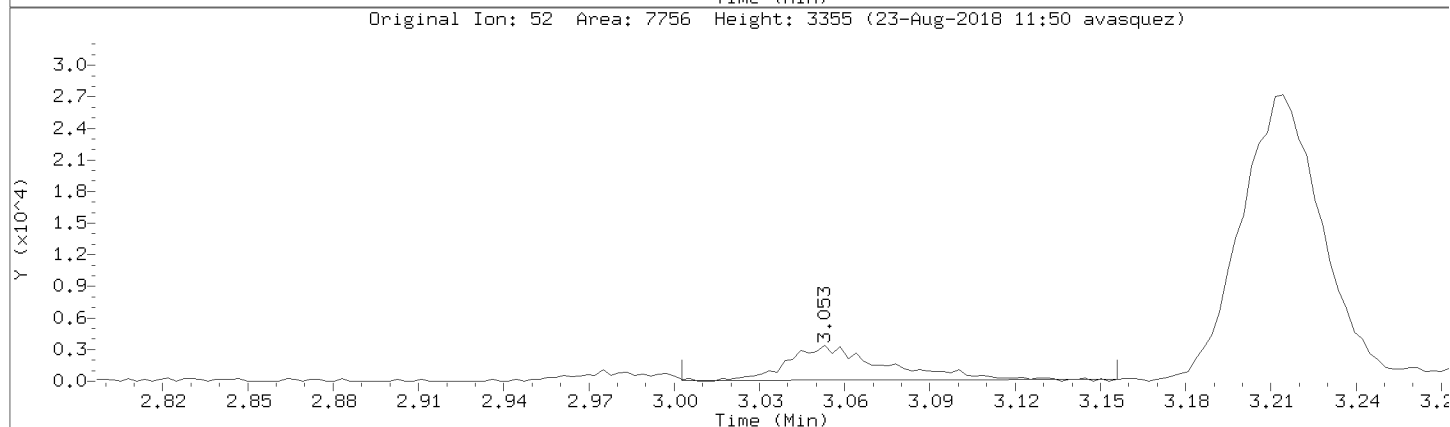
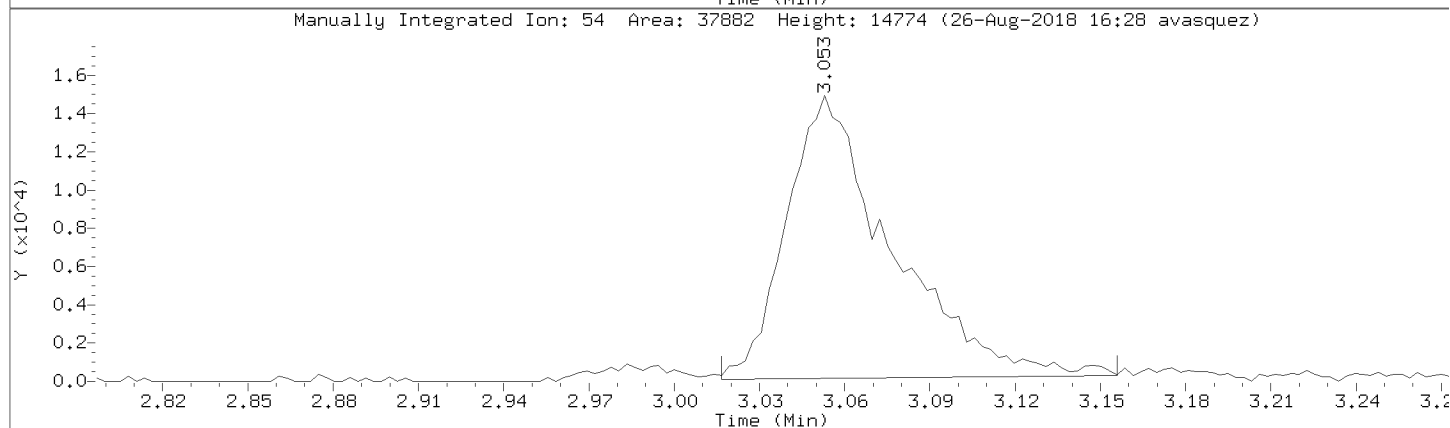
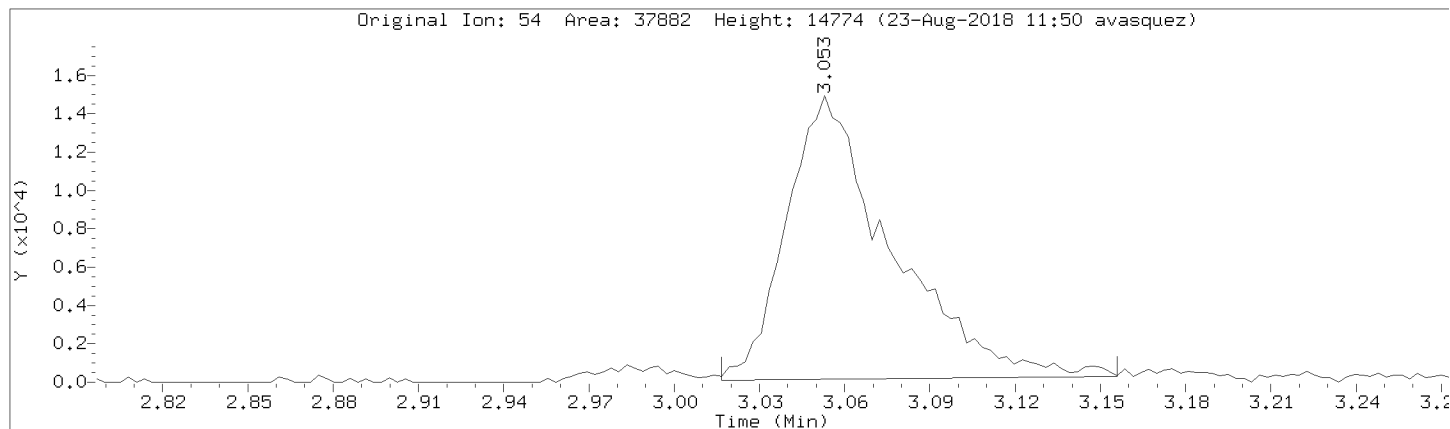
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL7

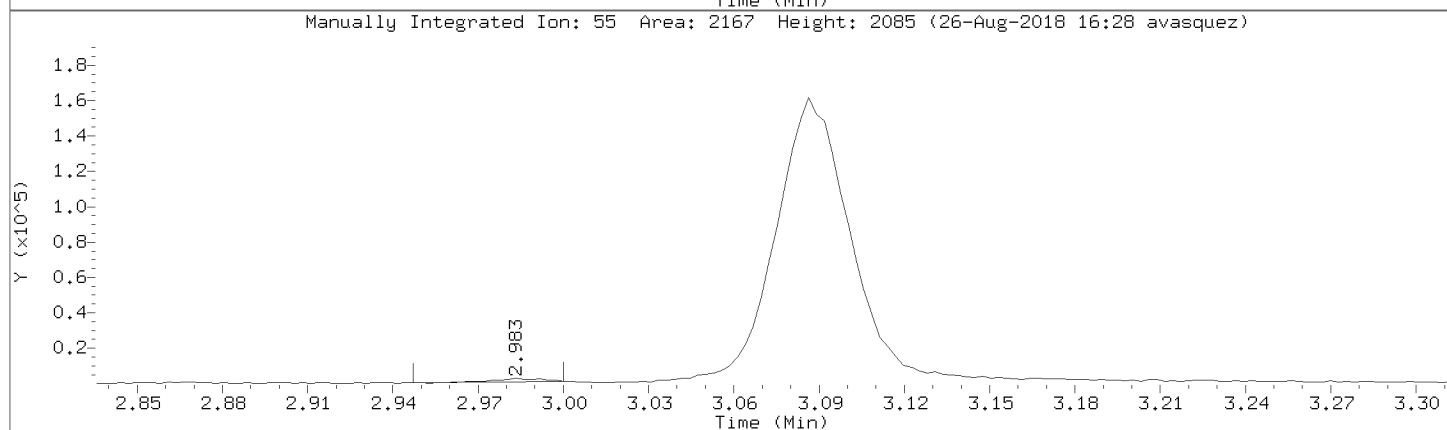
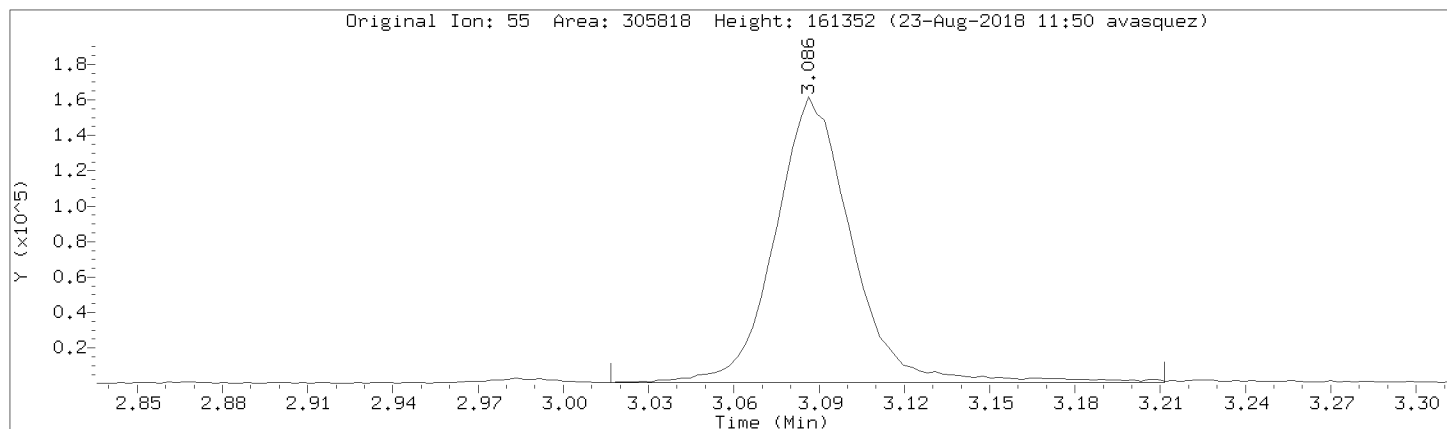
Compound: Propionitrile

Review Code:

CAS Number: 107-12-0

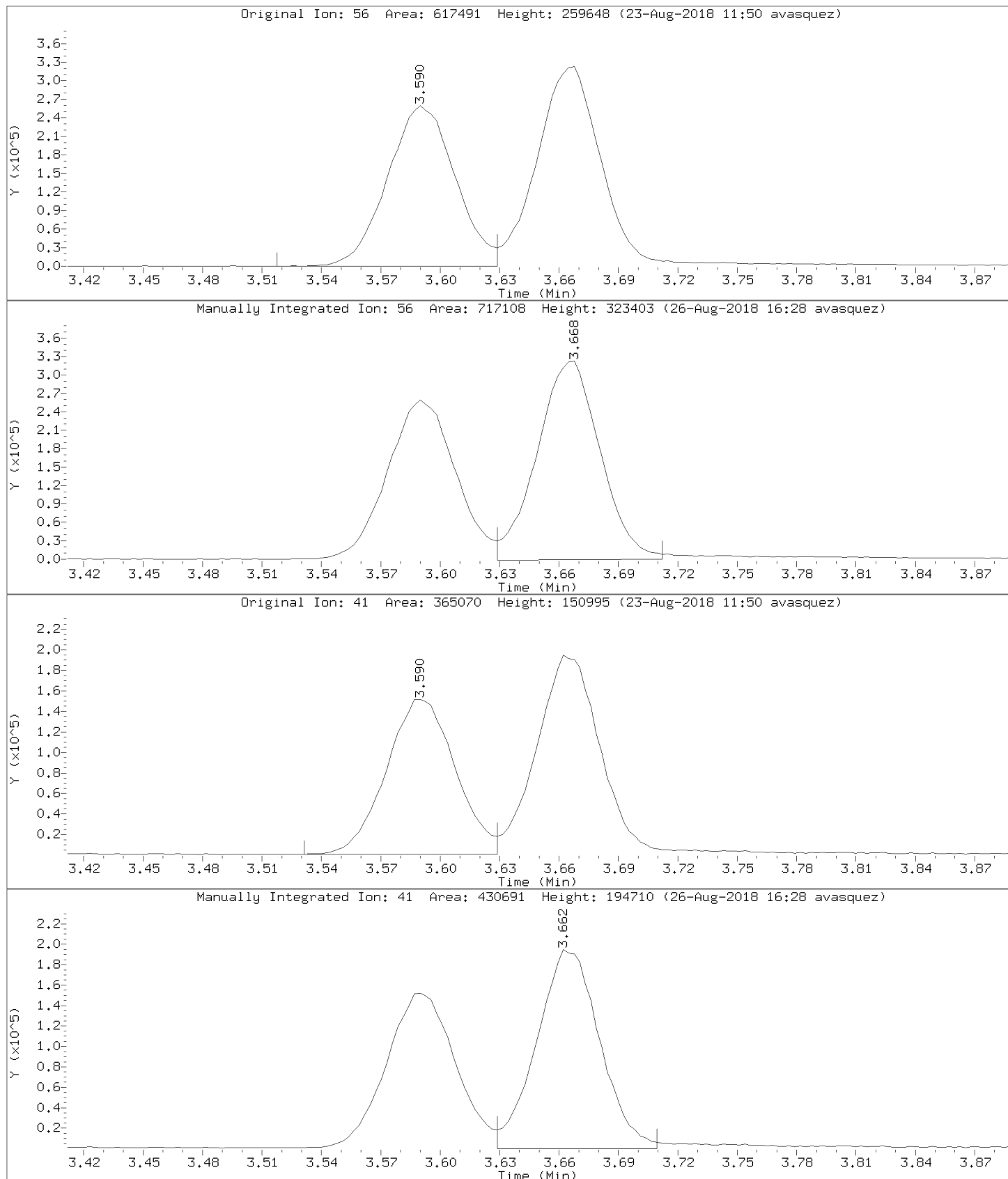


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Injection Date: 22-AUG-2018 17:35
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7



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.

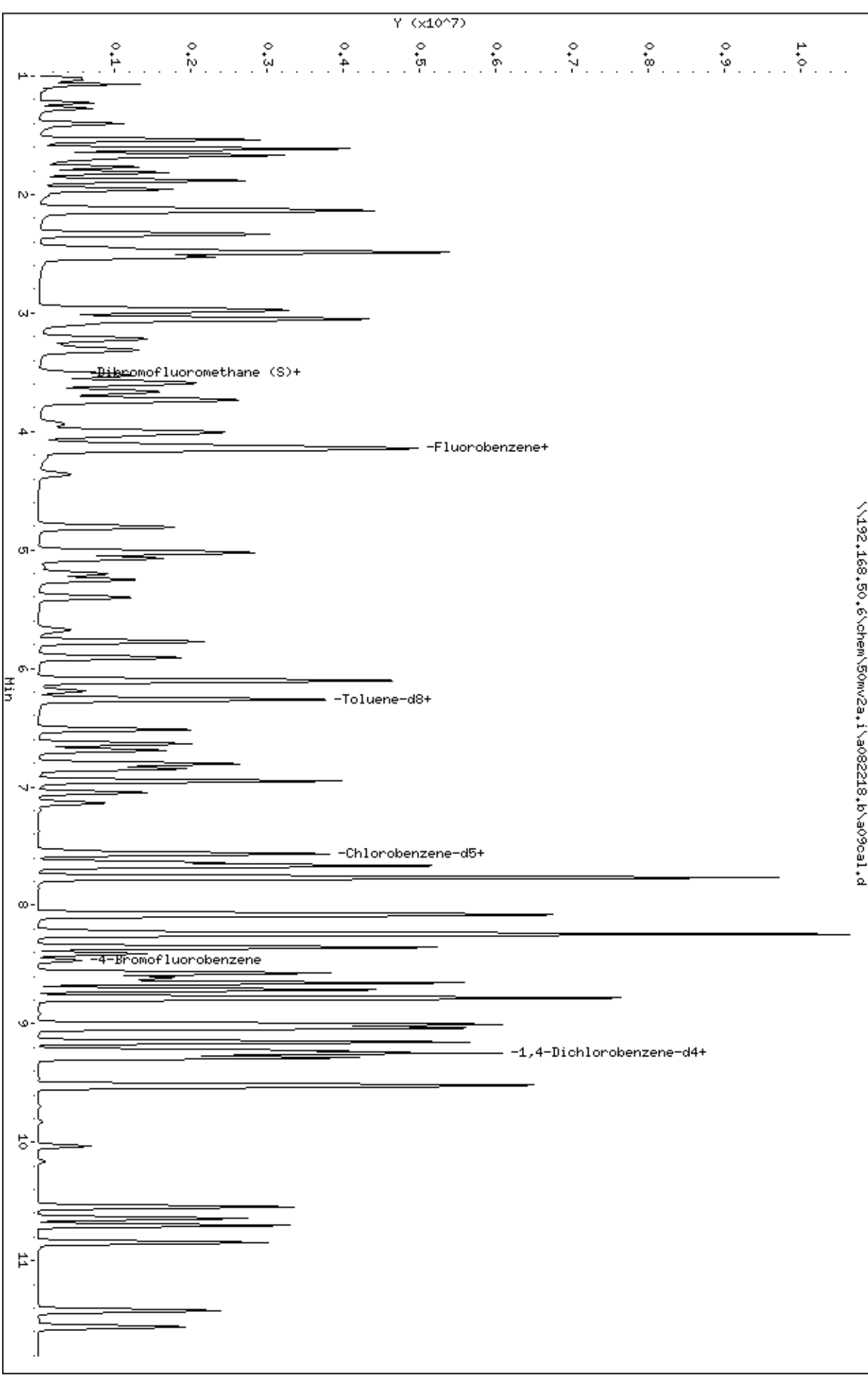
Review Codes Legend

- 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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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



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\09cal.d

Injection Date: 22-AUG-2018 18:07

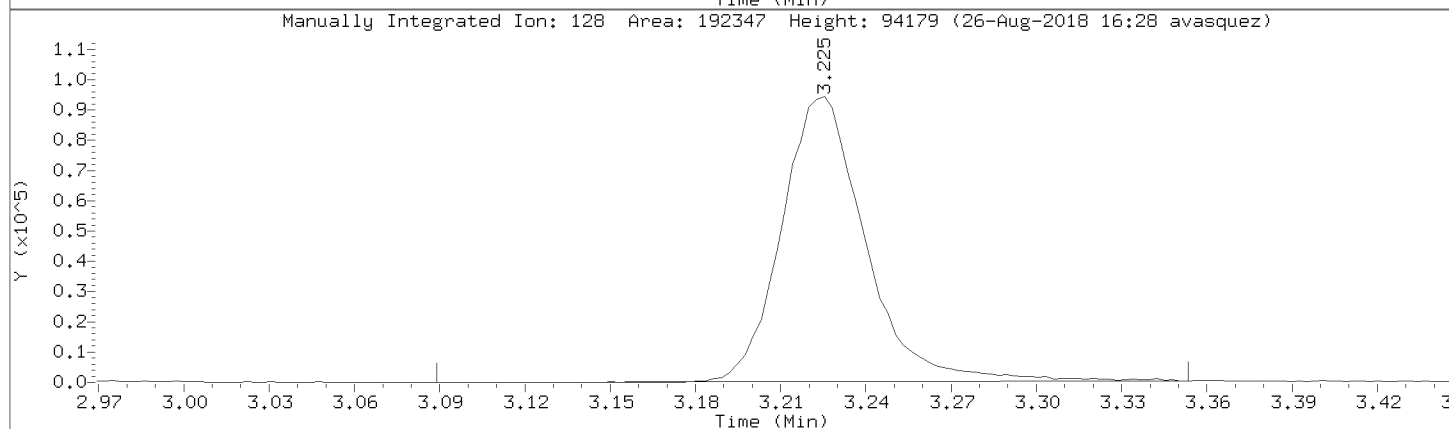
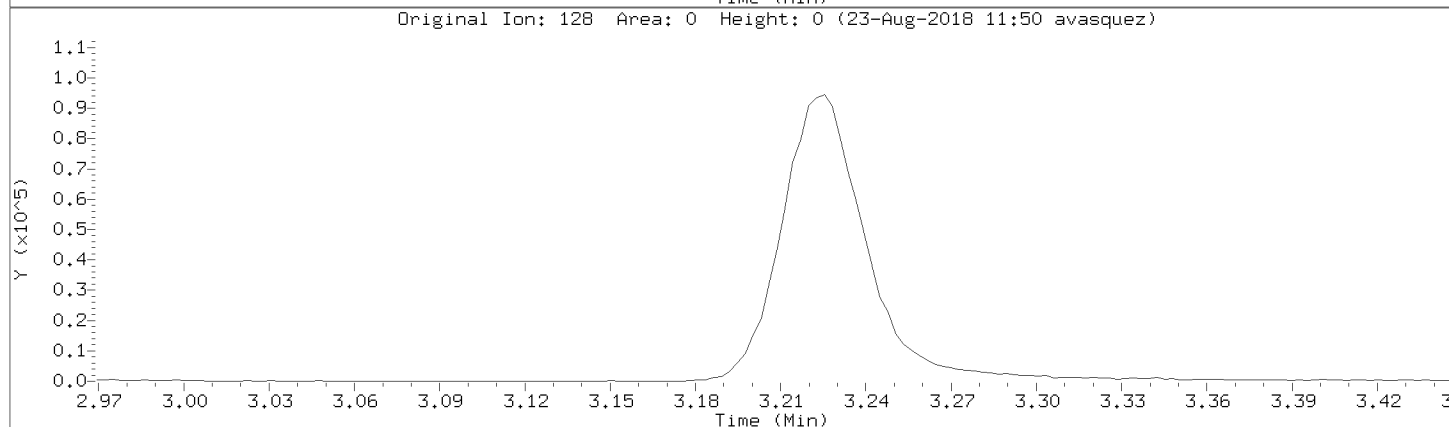
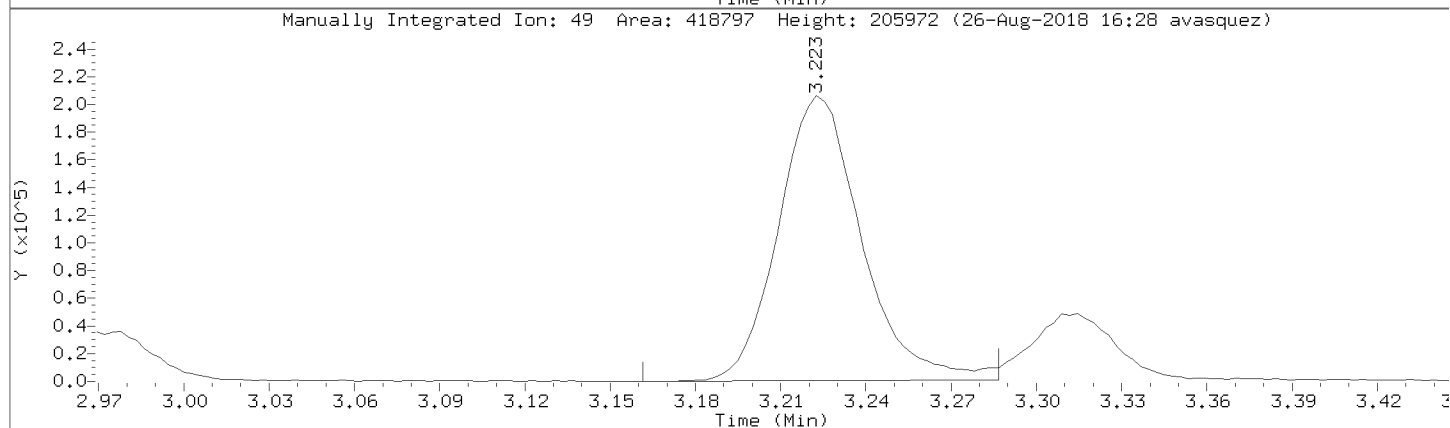
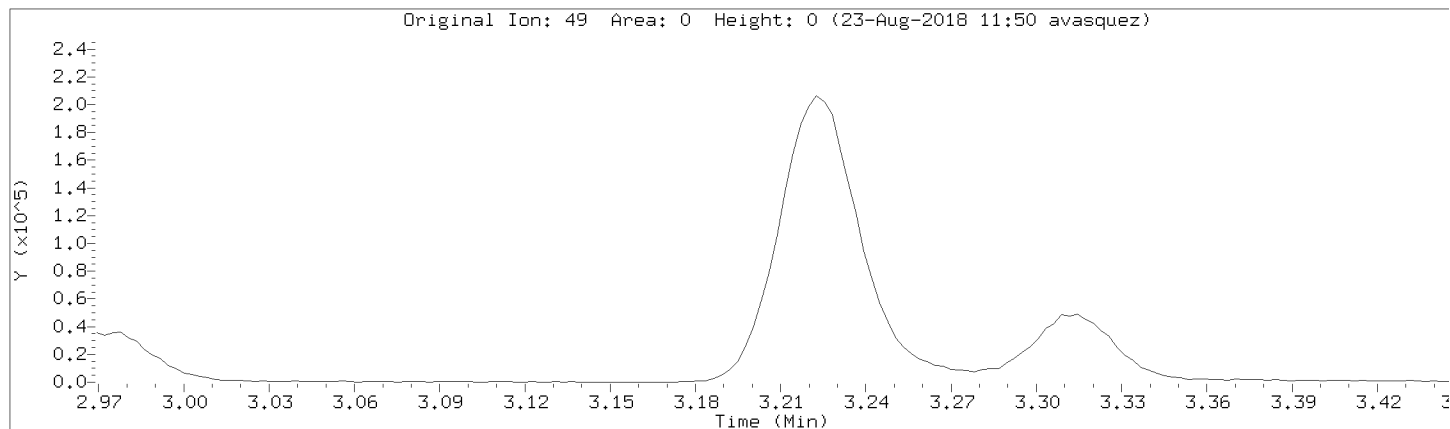
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Lab Sample ID: 8260-CAL8

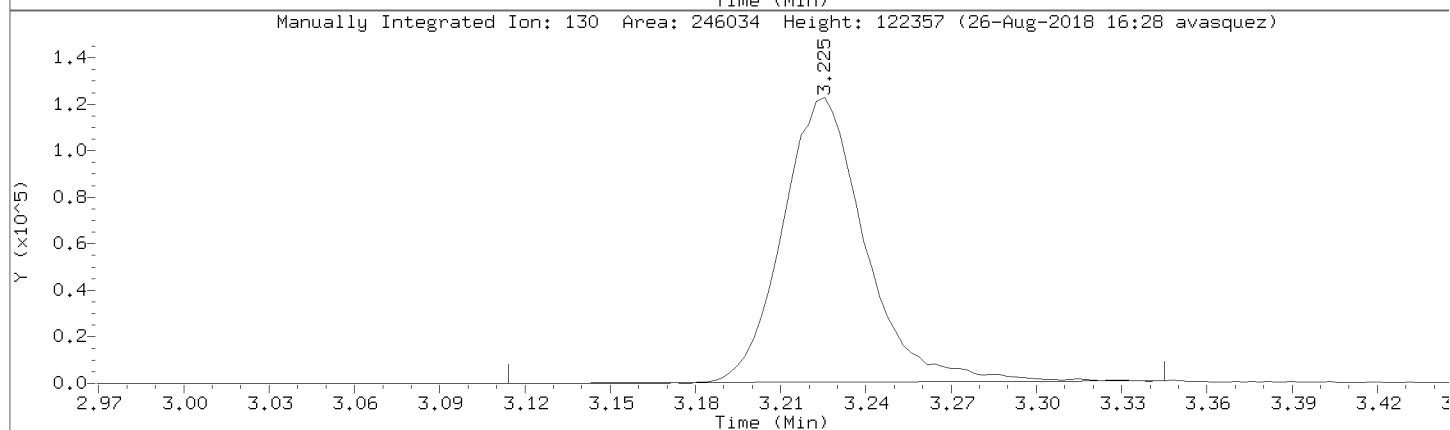
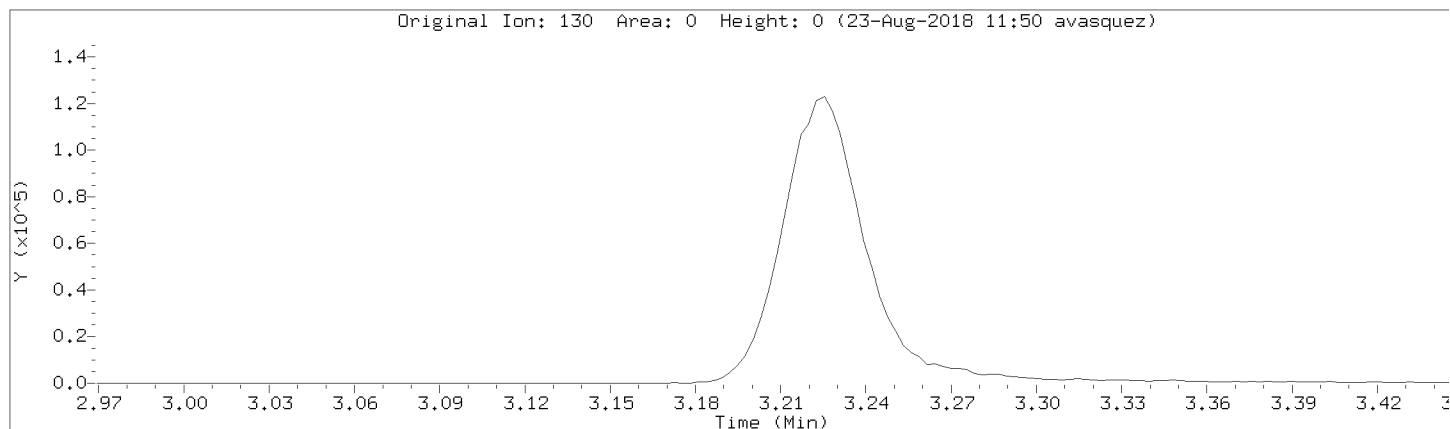
Compound: Bromochloromethane

Review Code: NI

CAS Number: 74-97-5

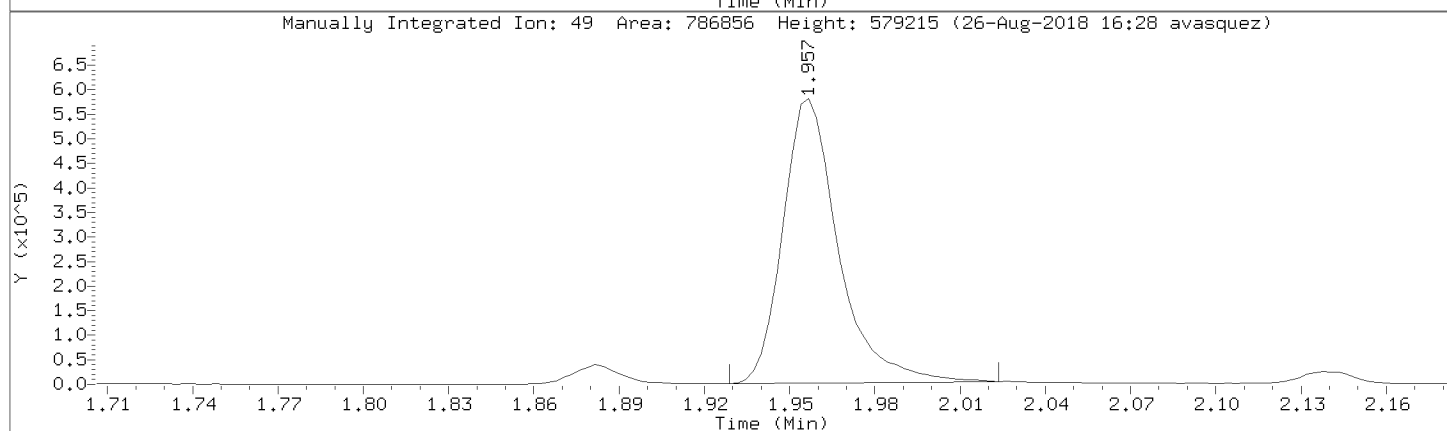
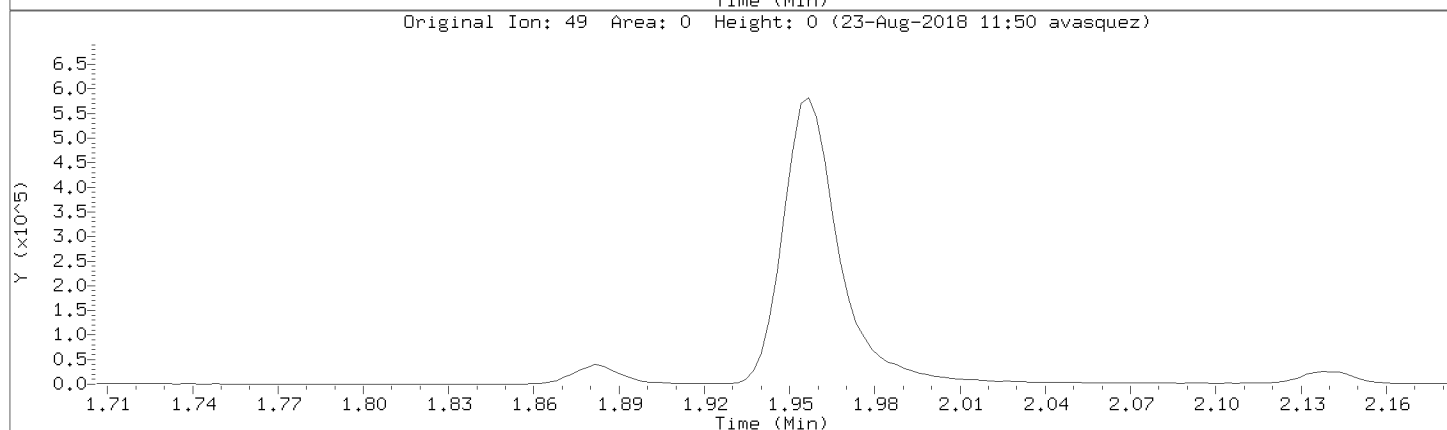
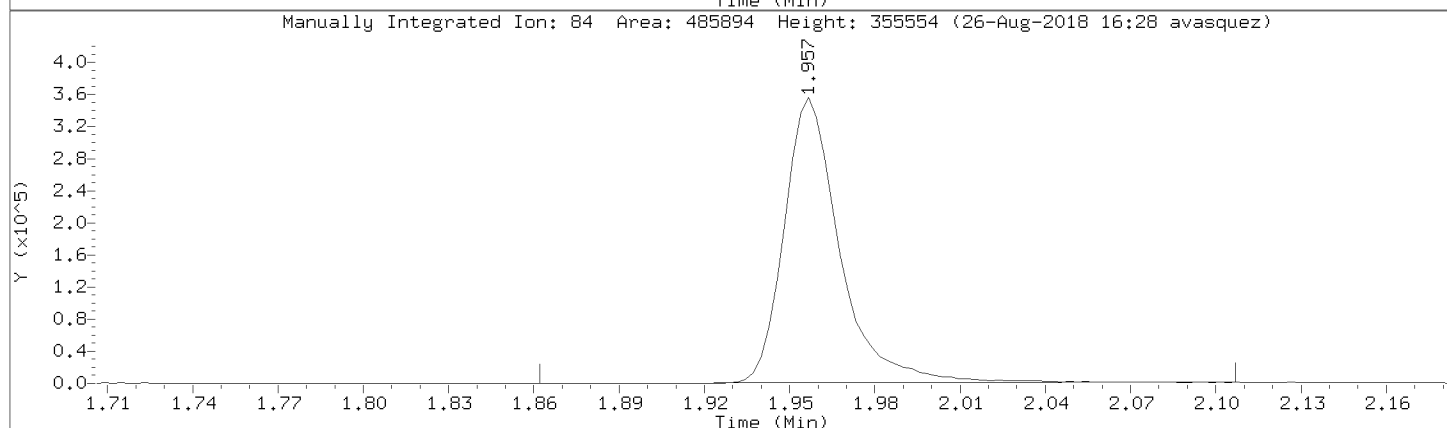
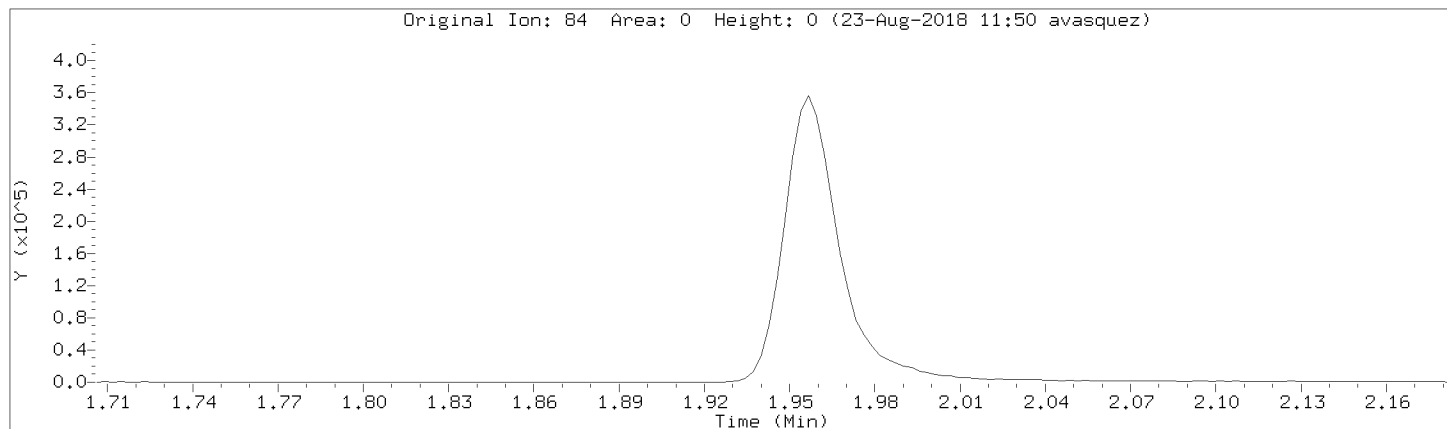


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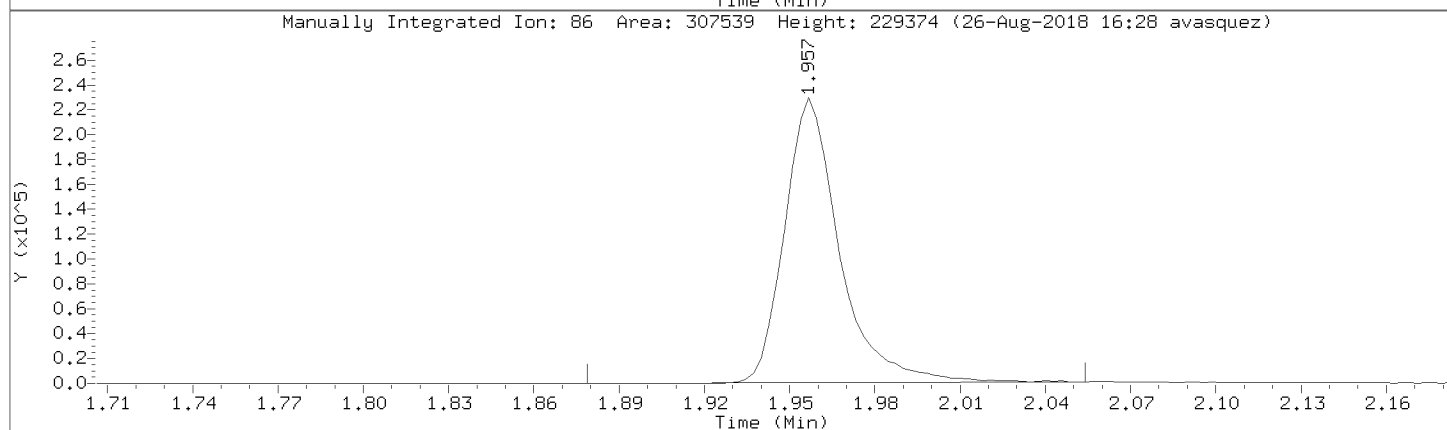
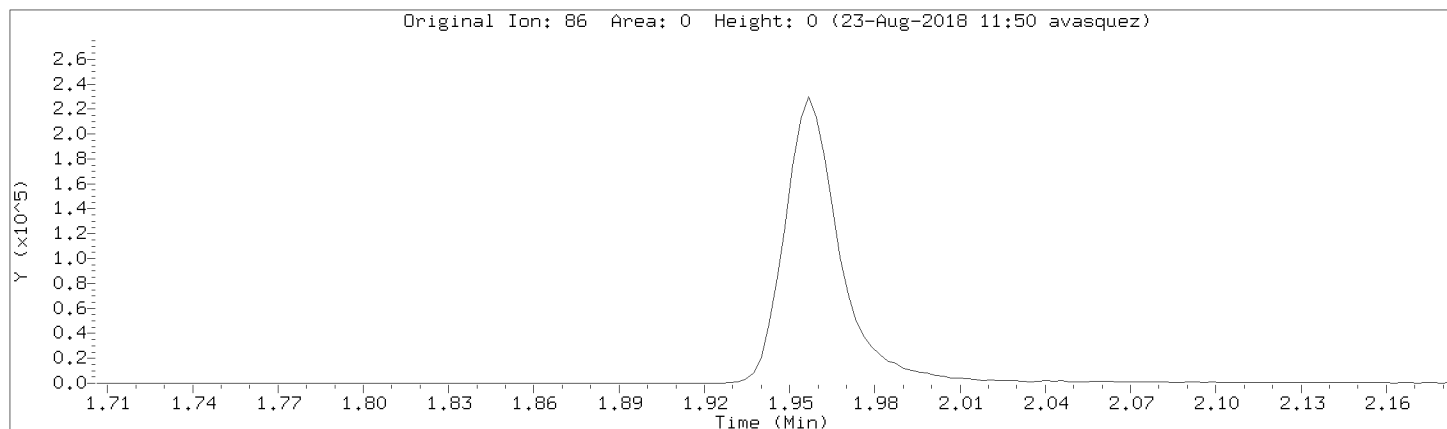


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

Compound: Methylene Chloride Review Code: NI
CAS Number: 75-09-2

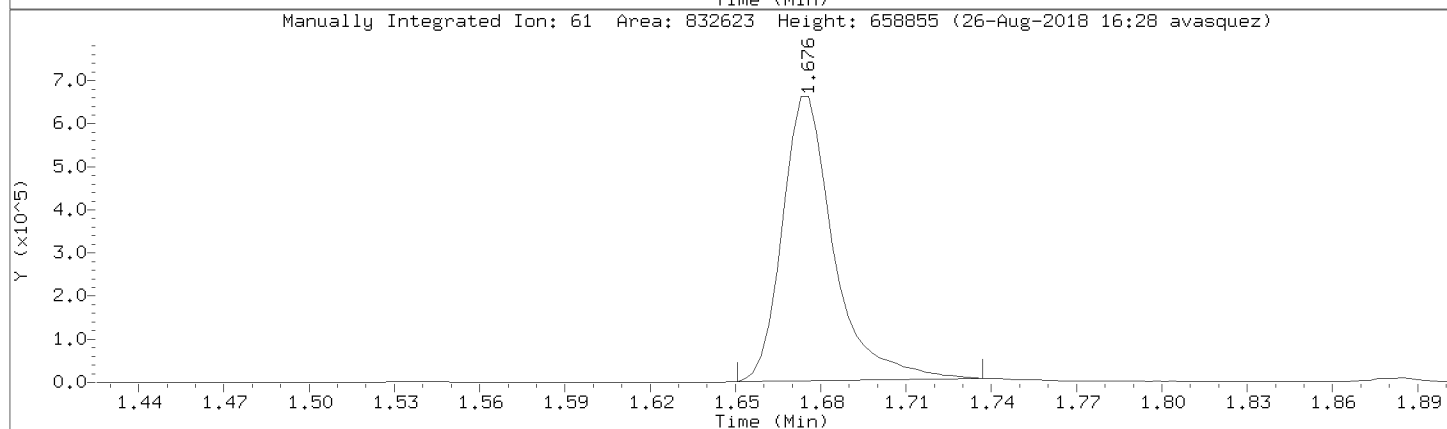
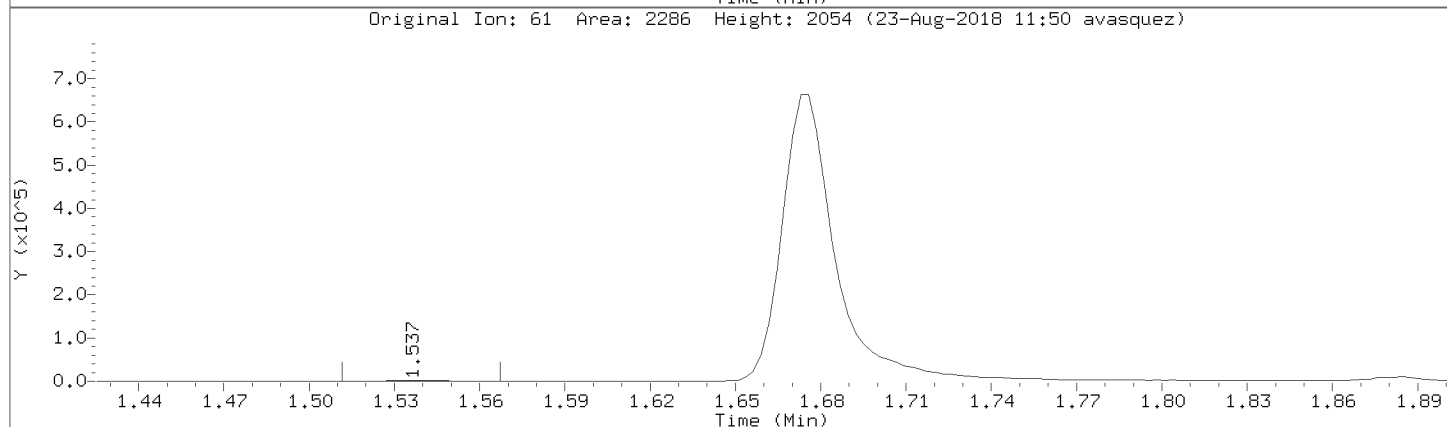
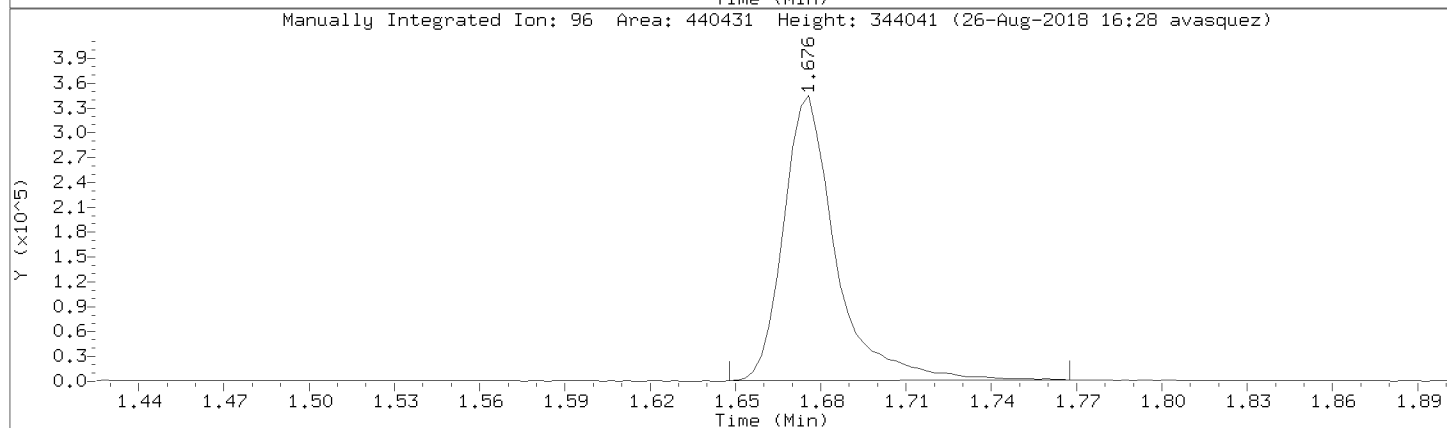
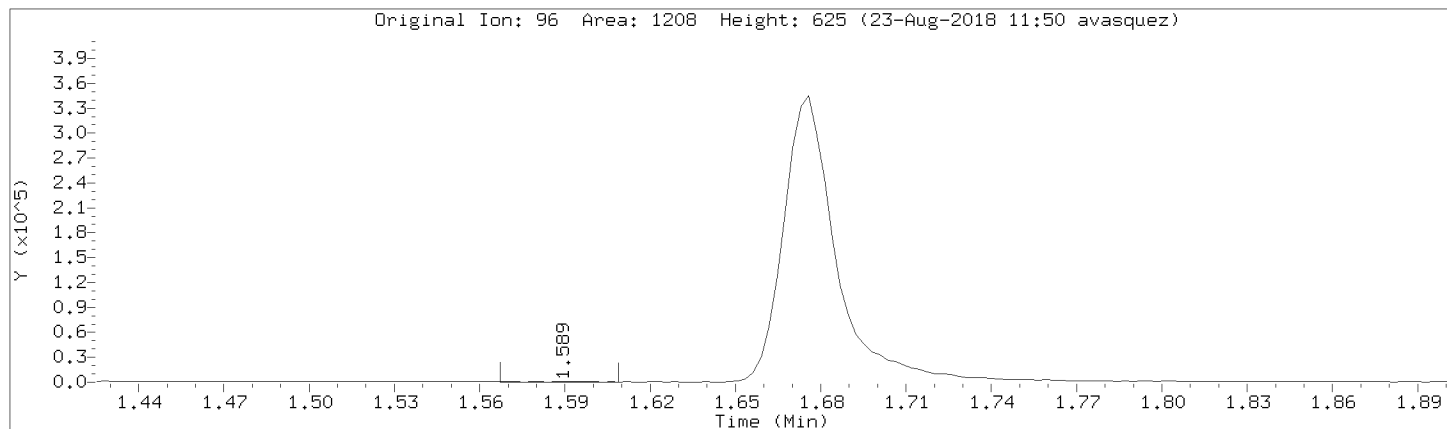


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Instrument: 50mv2a.i
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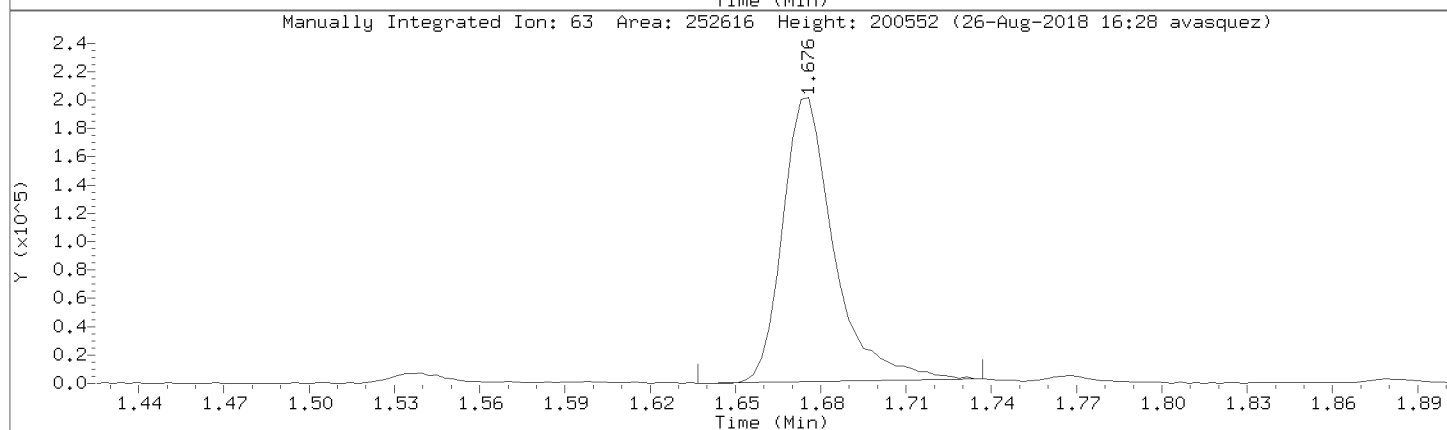
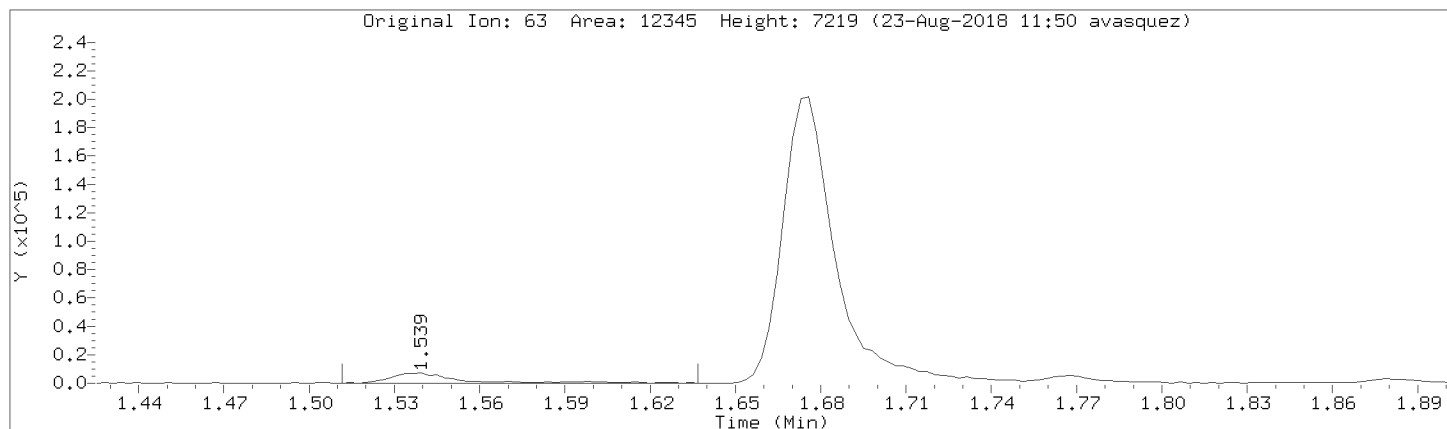


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

Compound: 1,1-Dichloroethene Review Code: NI
CAS Number: 75-35-4



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Injection Date: 22-AUG-2018 18:07
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8



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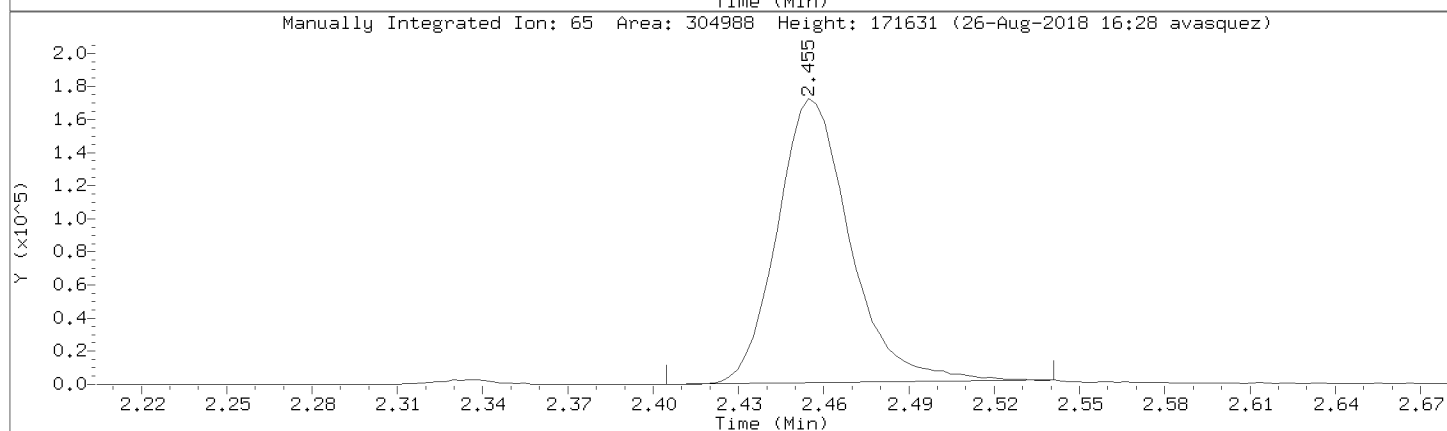
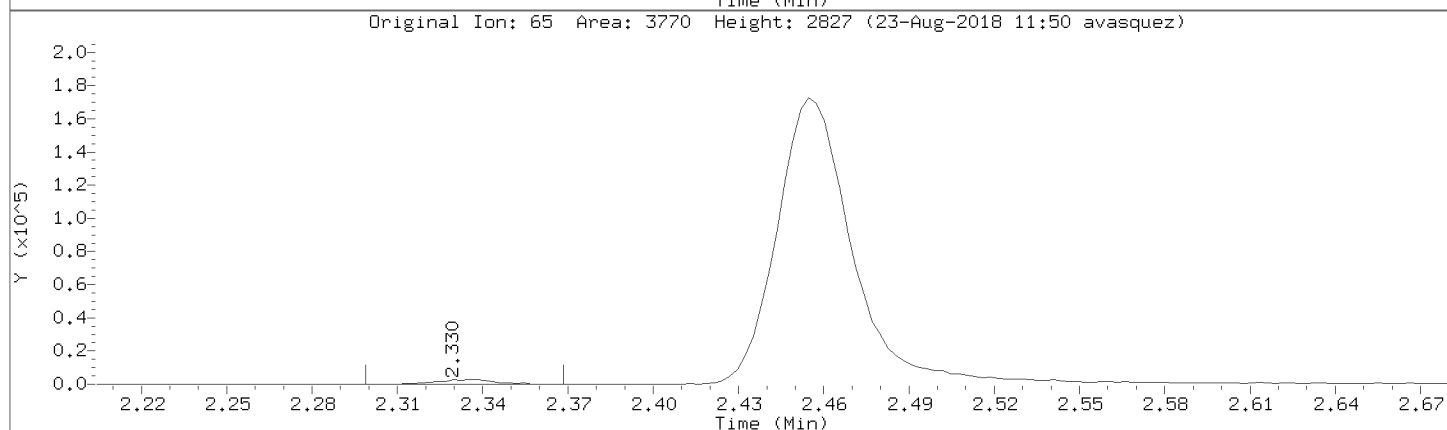
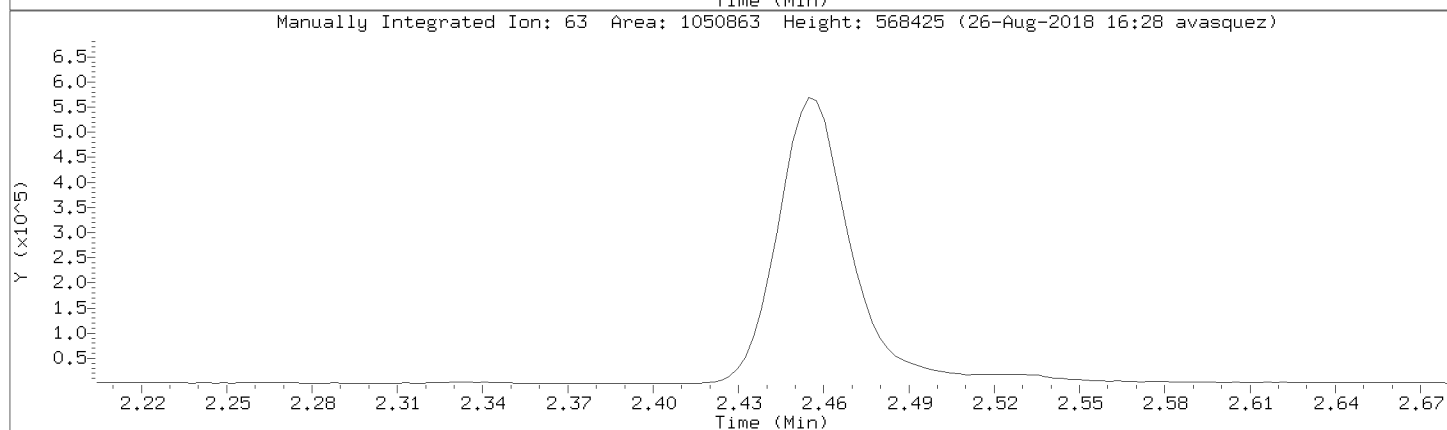
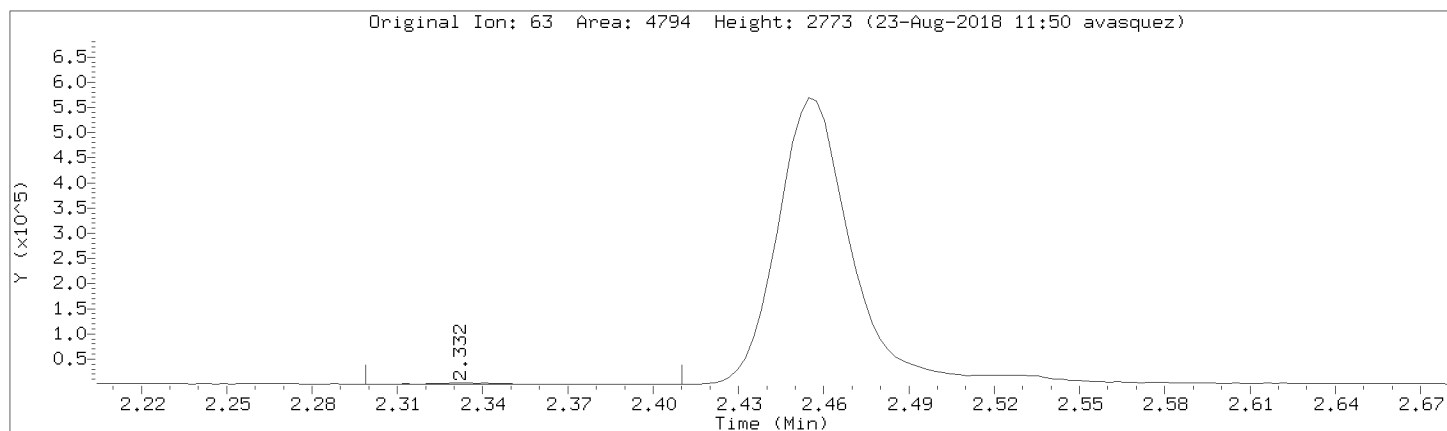
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Lab Sample ID: 8260-CAL8

Compound: 1,1-Dichloroethane

Review Code: NI

CAS Number: 75-34-3

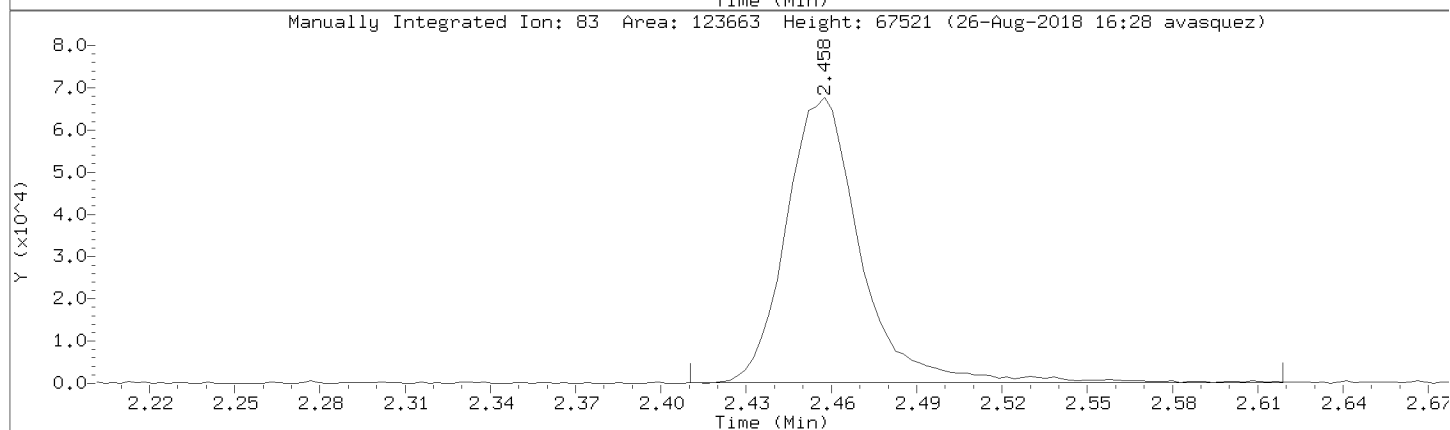
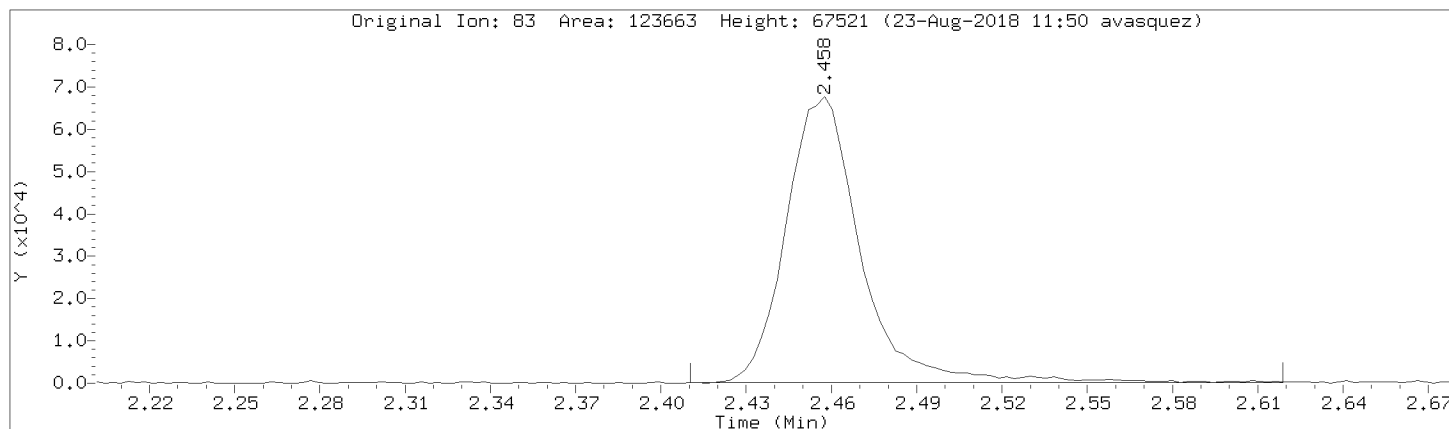


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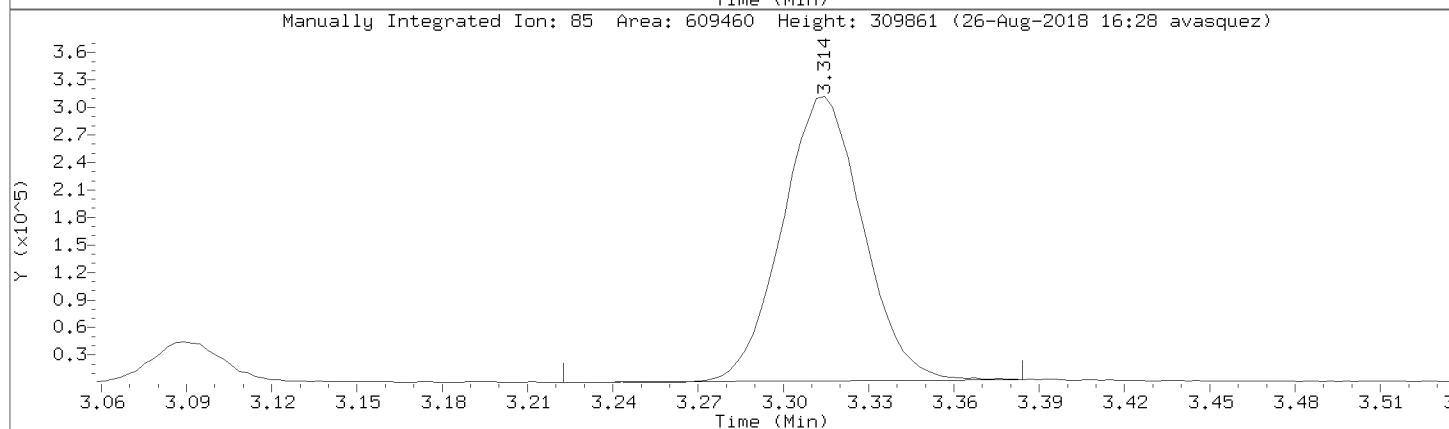
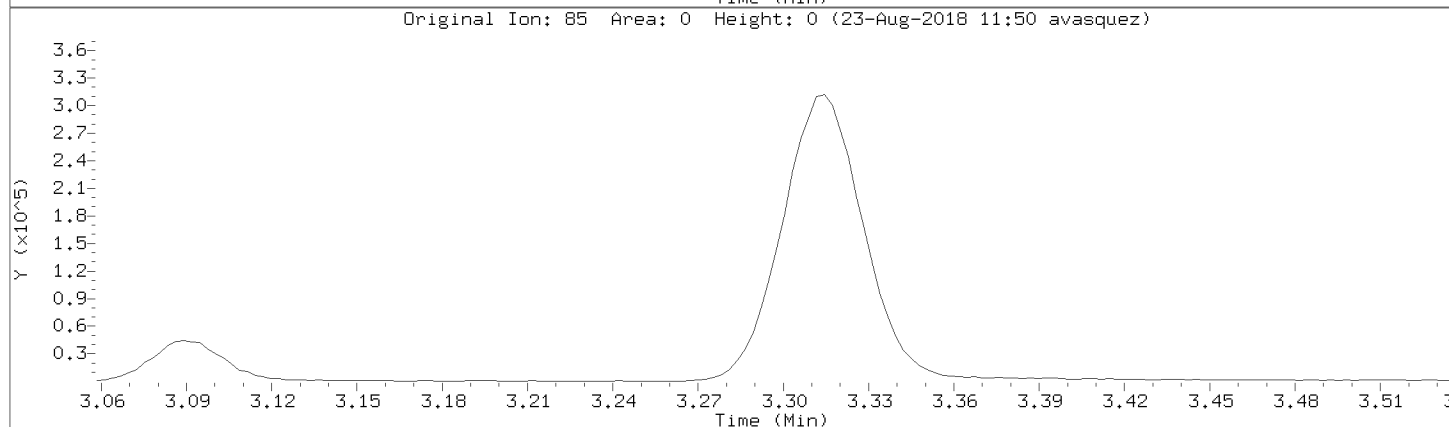
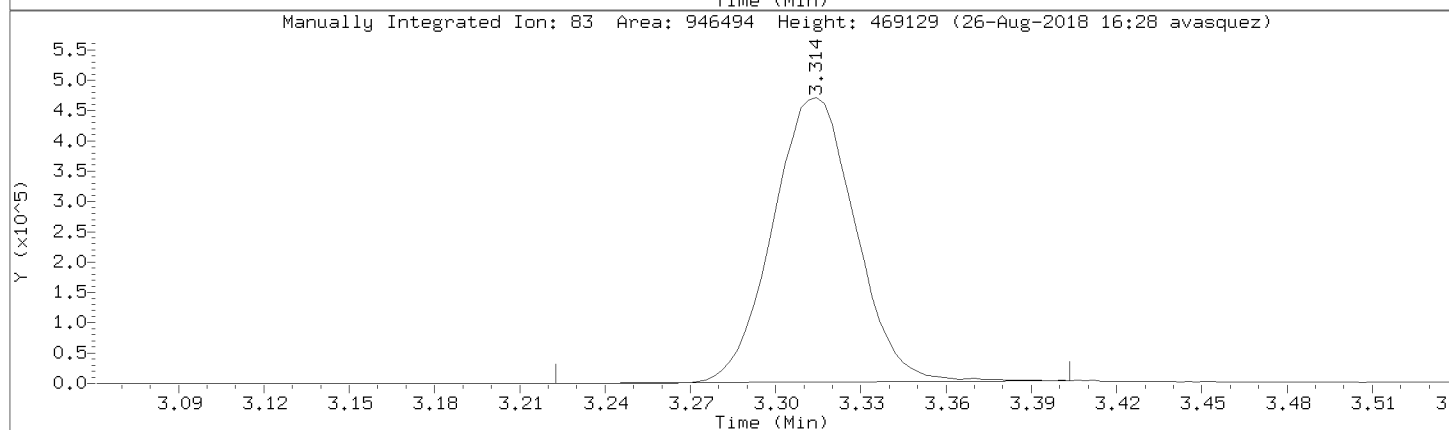
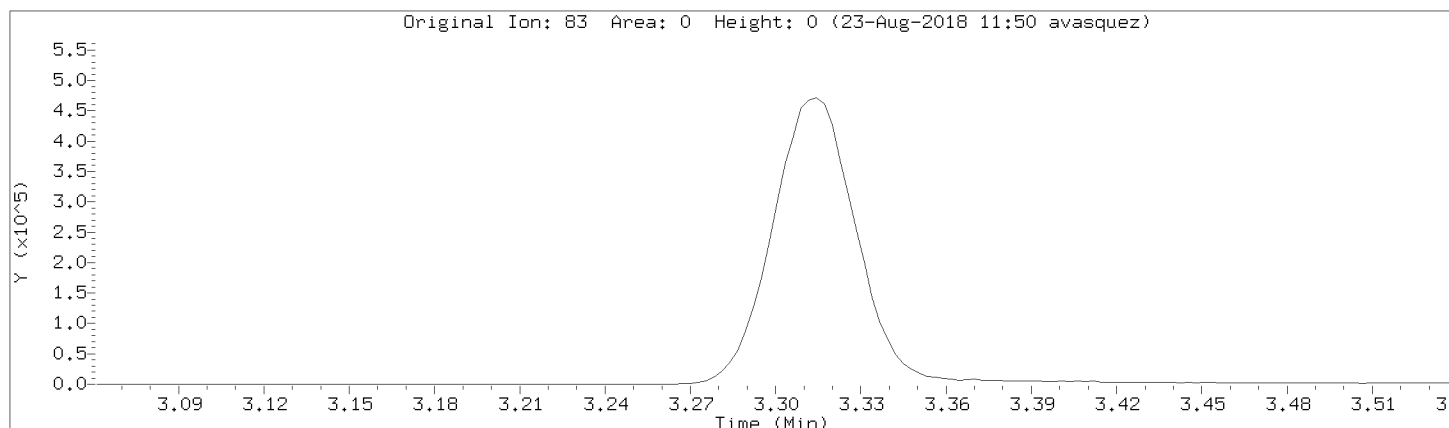
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Lab Sample ID: 8260-CAL8



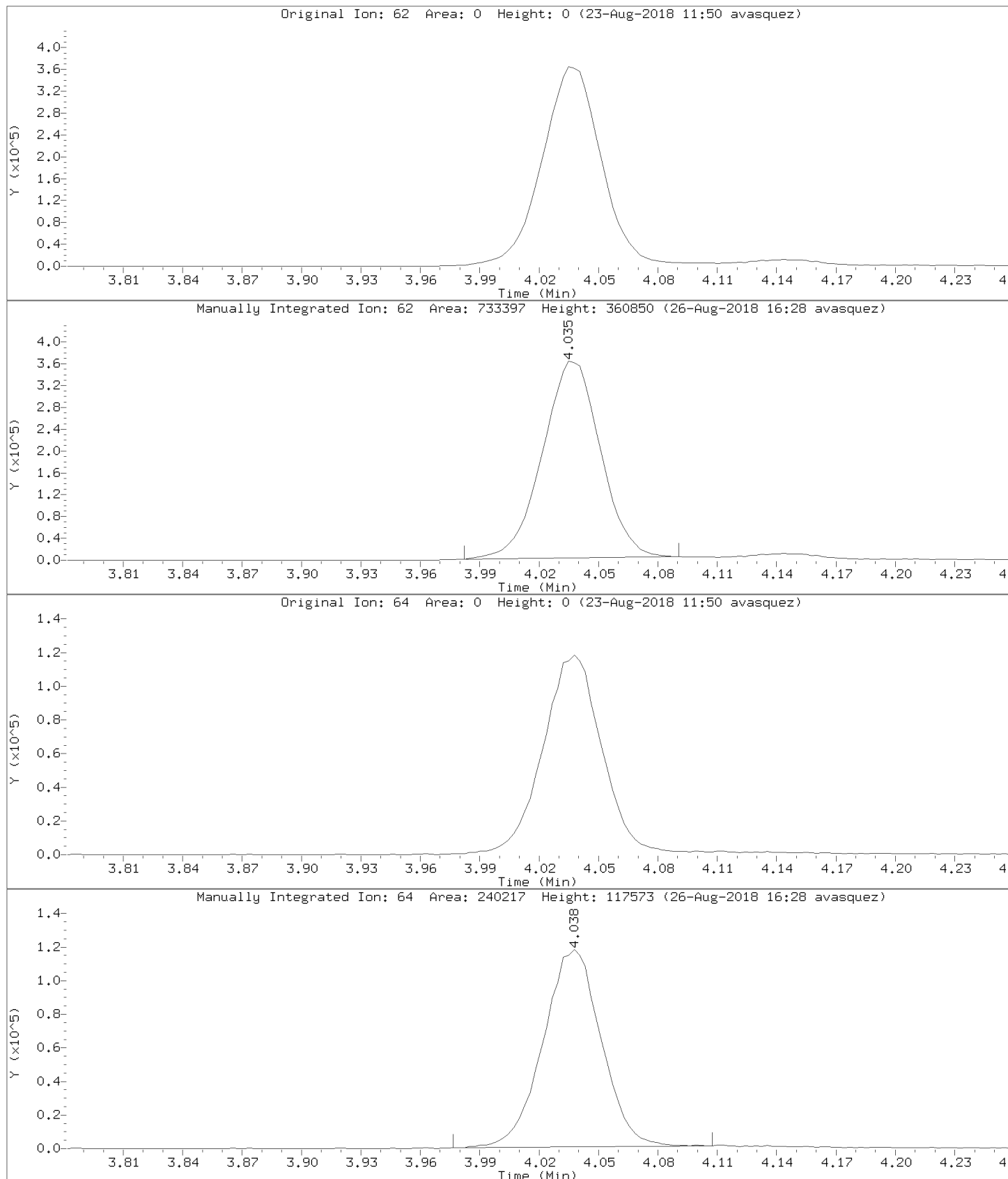
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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

Compound: Chloroform Review Code: NI
CAS Number: 67-66-3

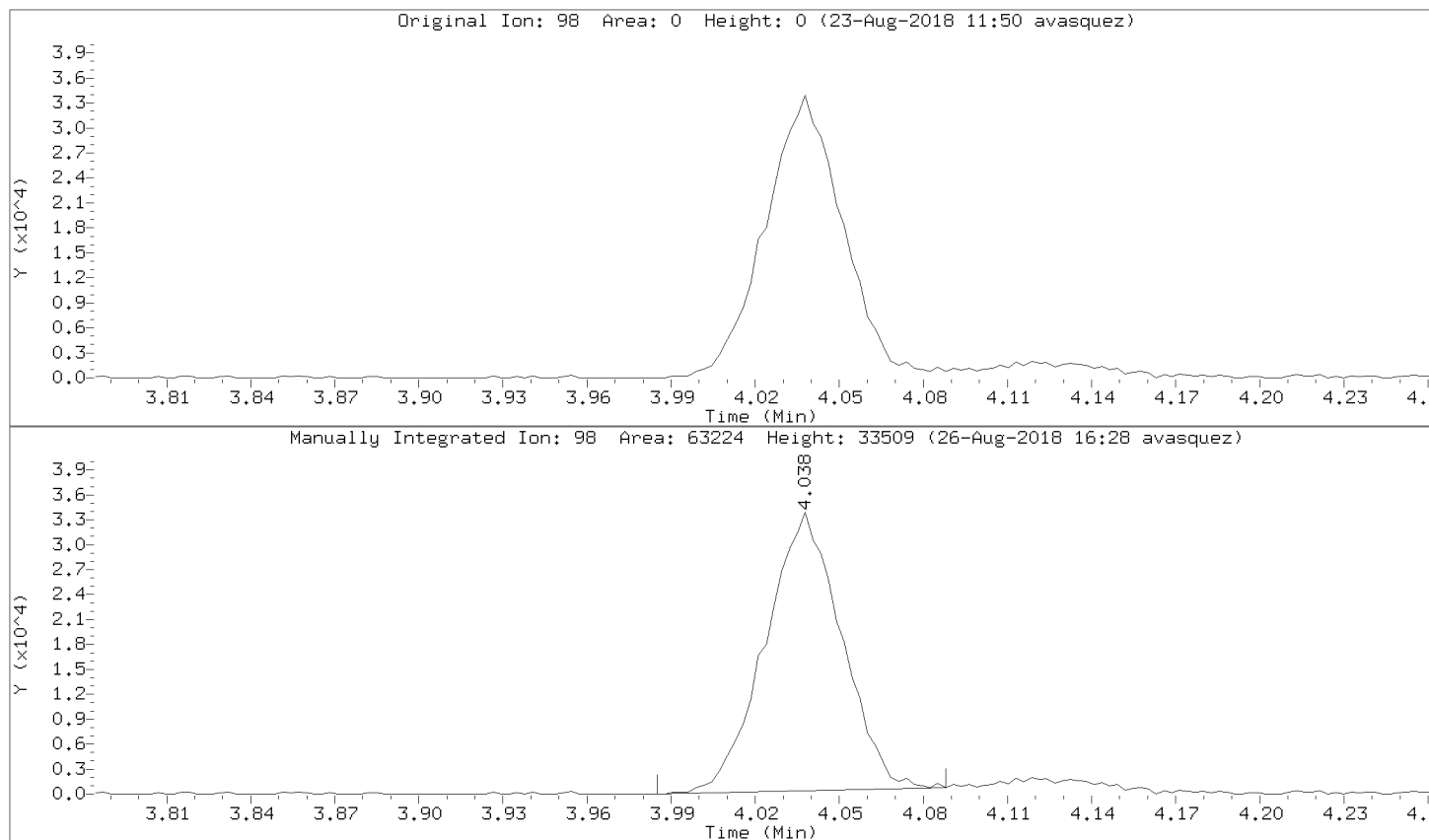


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Compound: 1,2-Dichloroethane Review Code: NI
CAS Number: 107-06-2

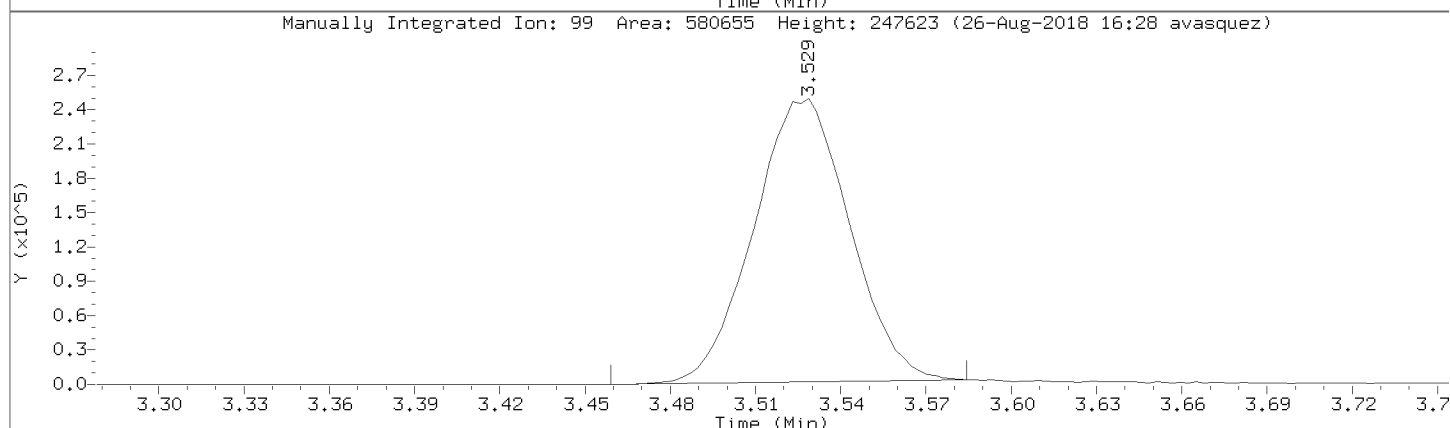
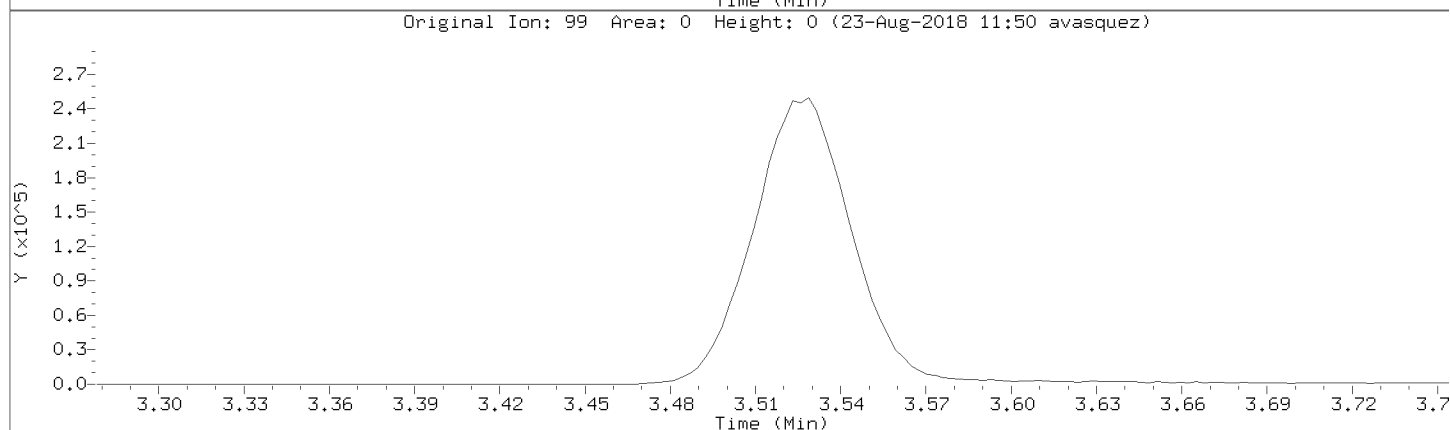
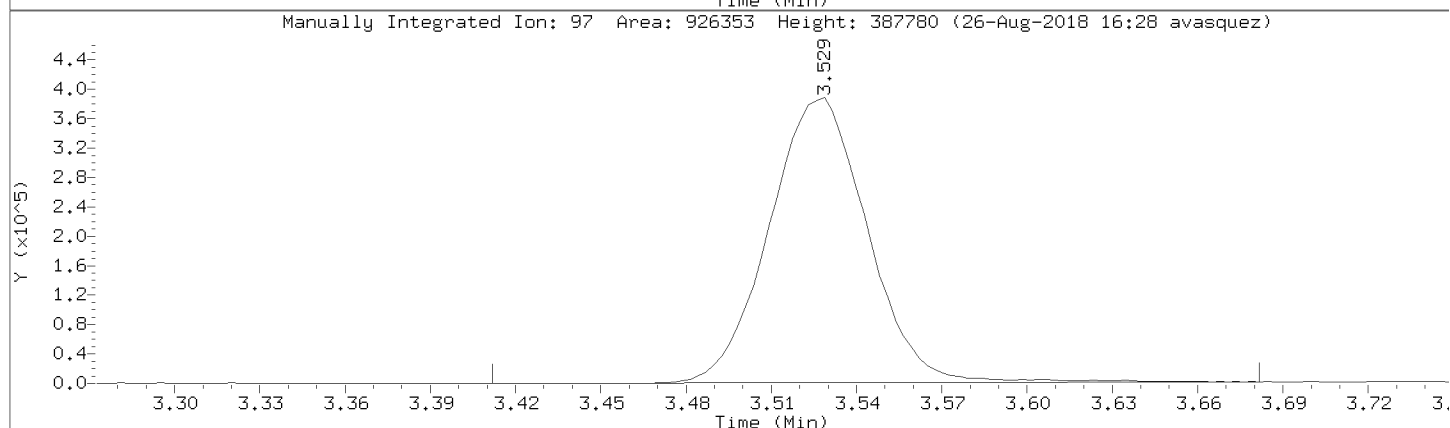
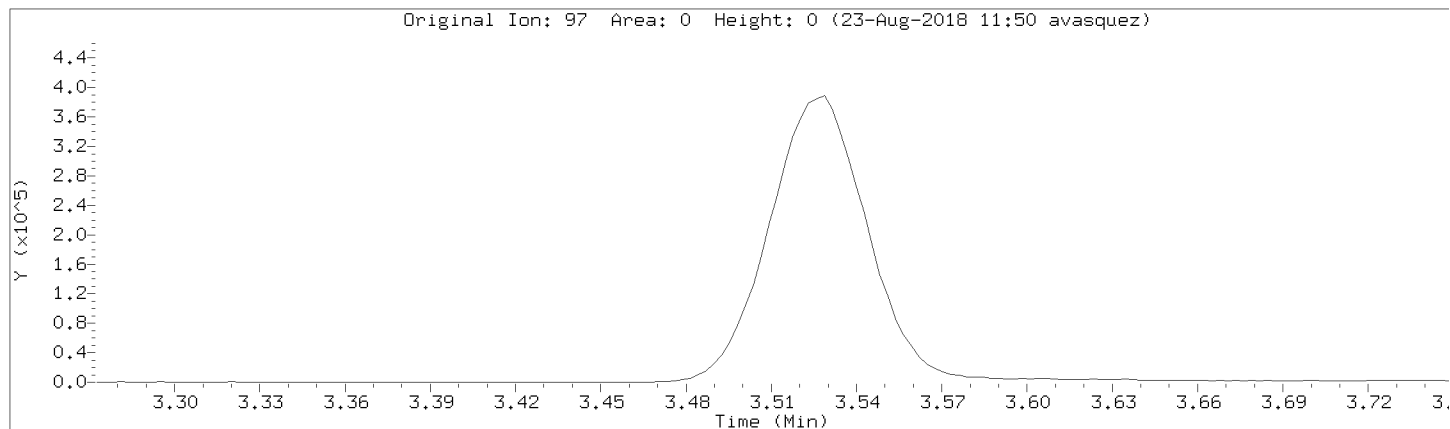


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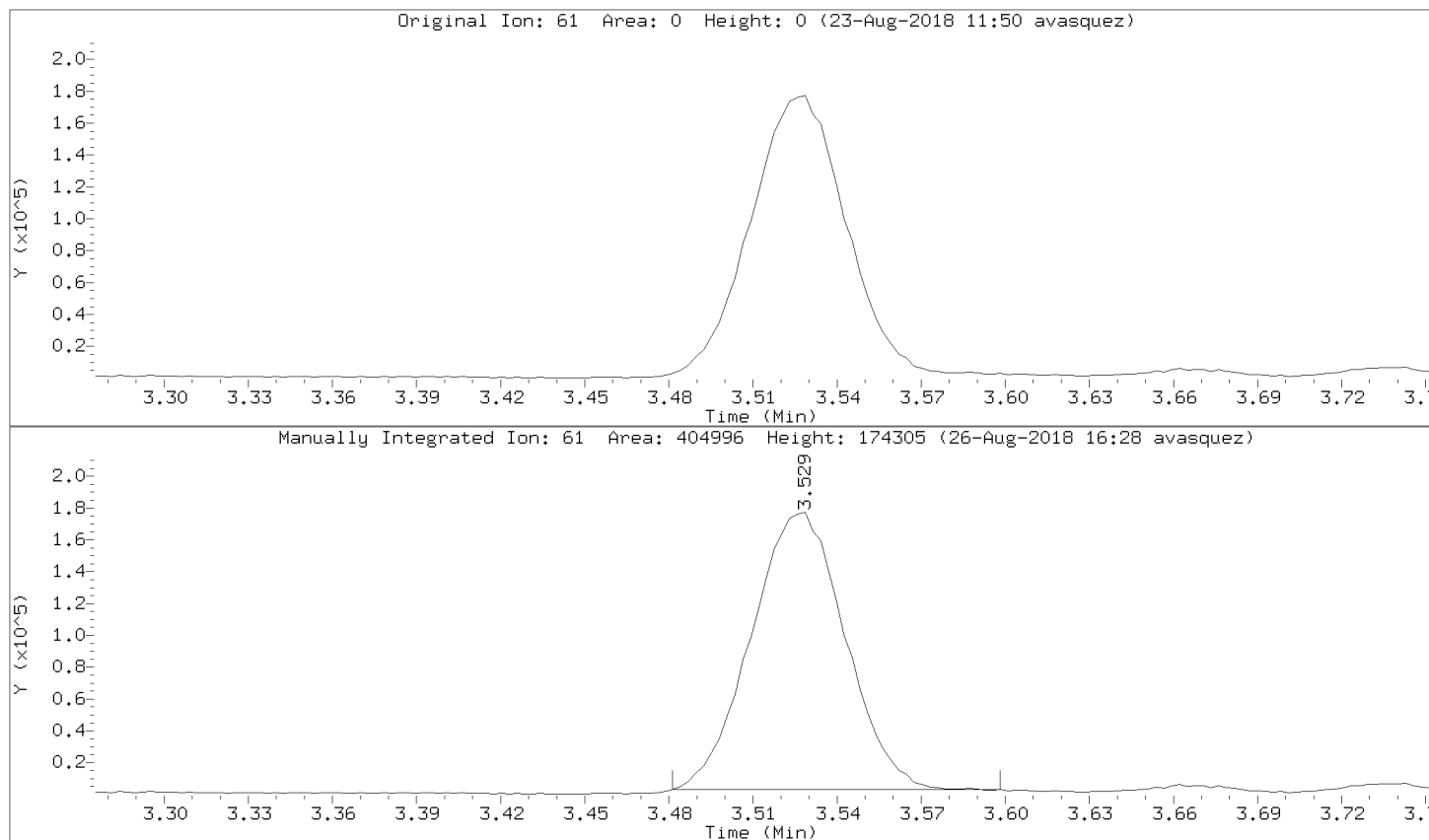


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Lab Sample ID: 8260-CAL8

Compound: 1,1,1-Trichloroethane Review Code: NI
CAS Number: 71-55-6

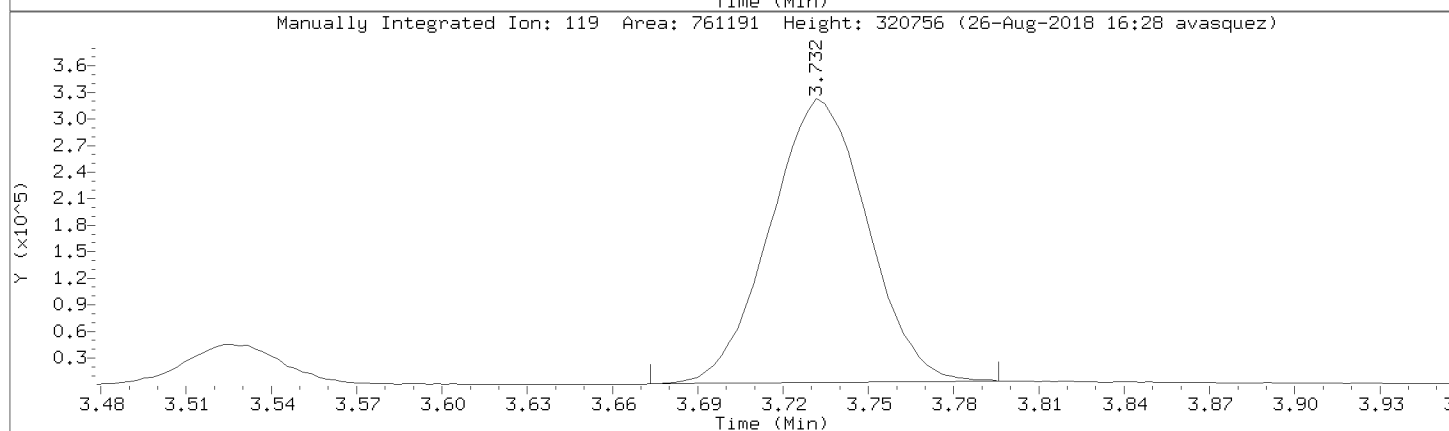
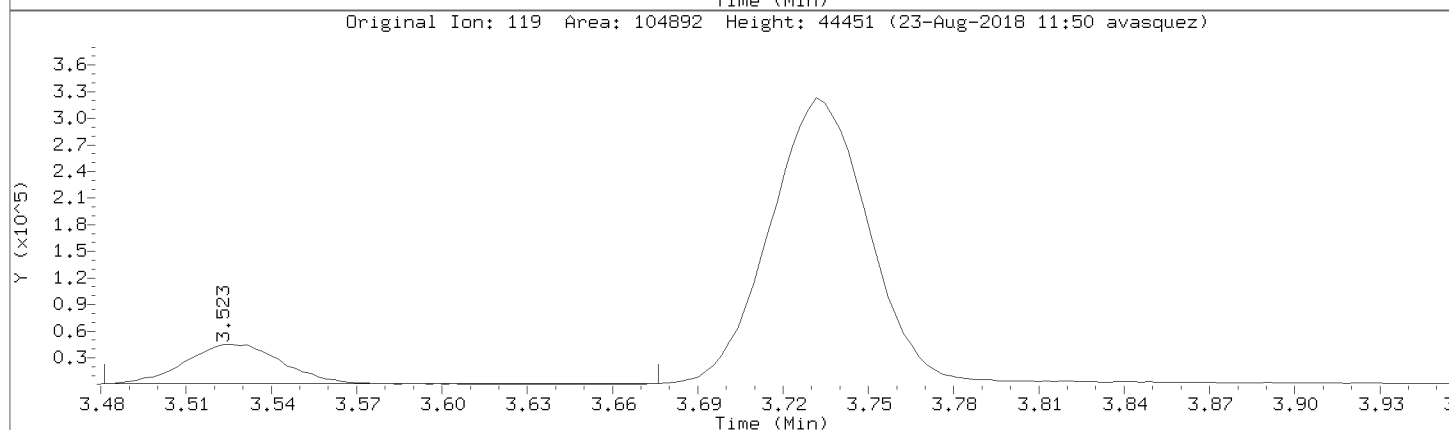
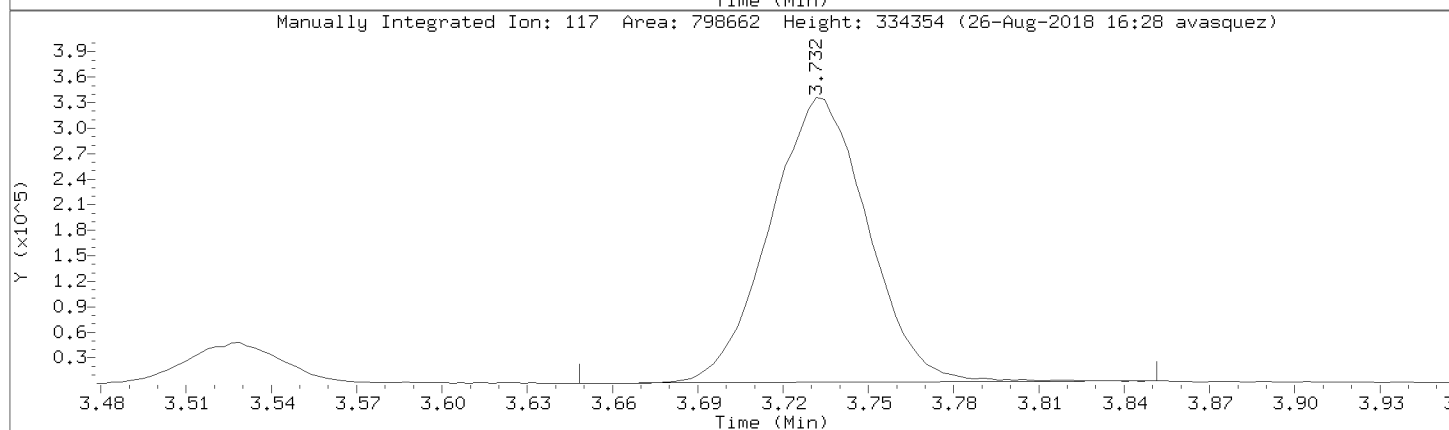
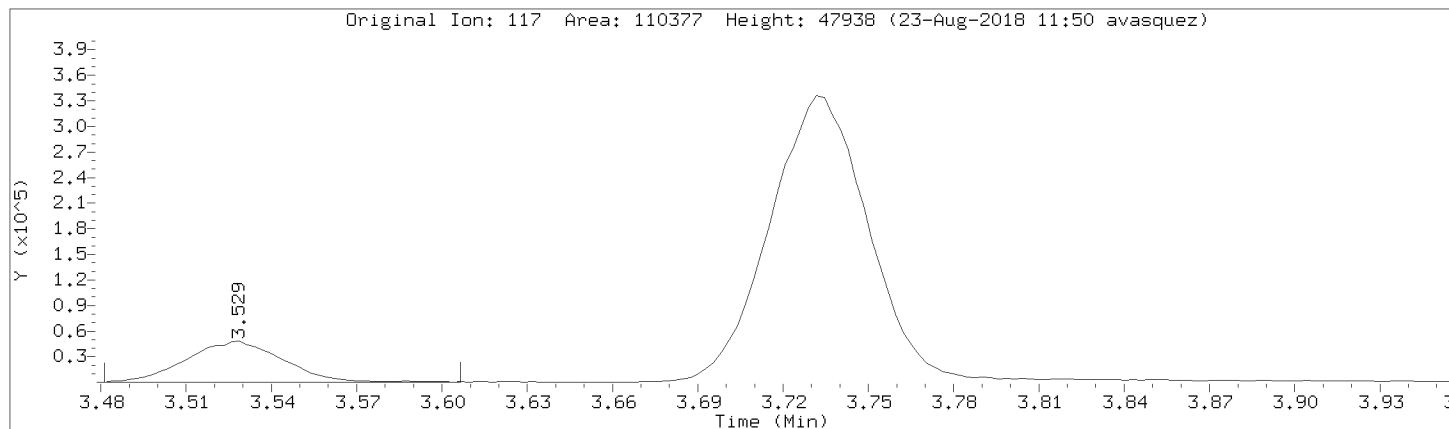


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8



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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

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

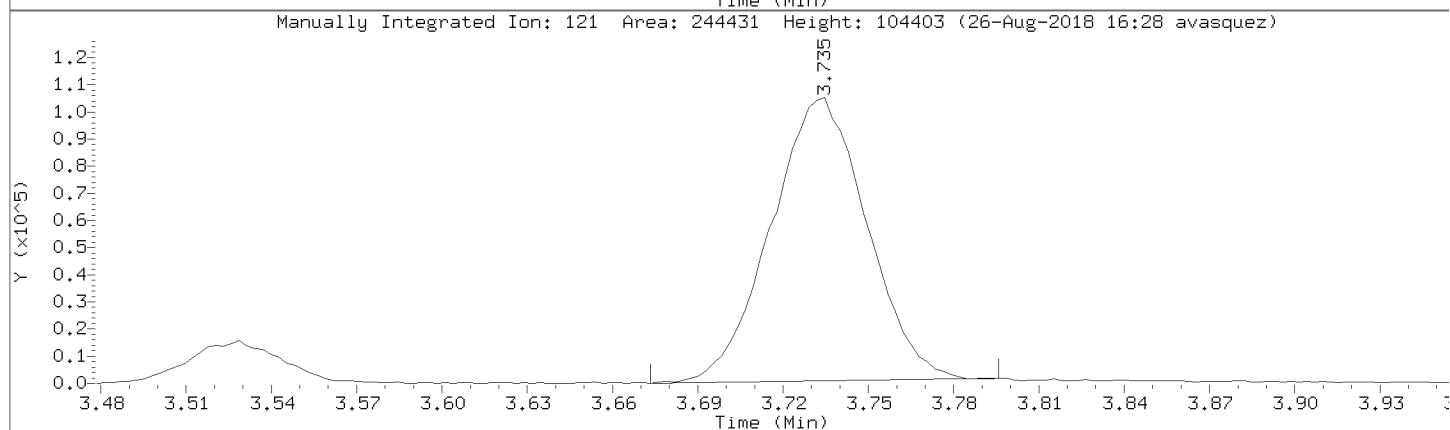
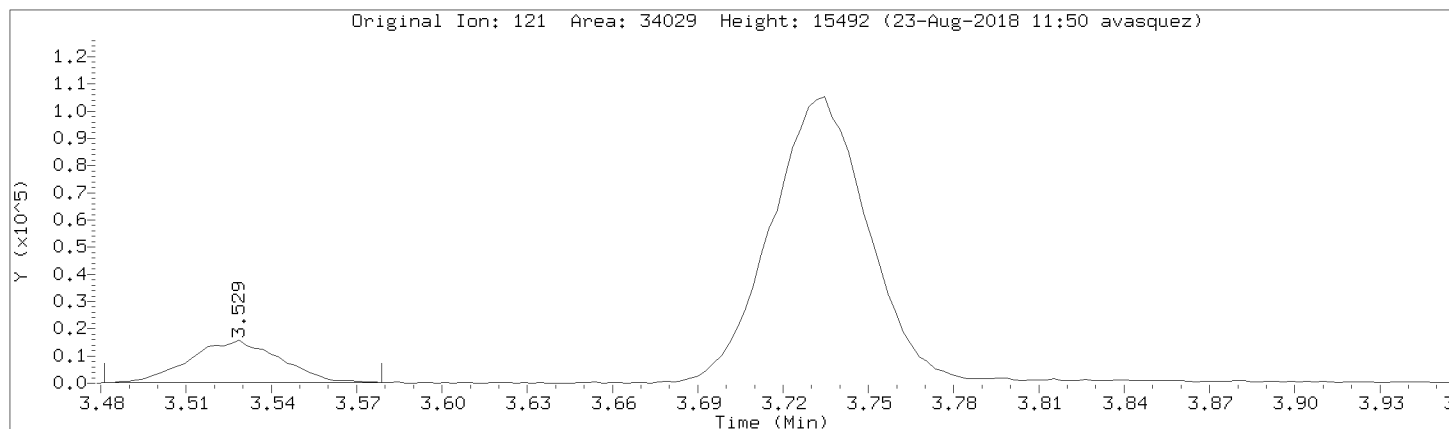


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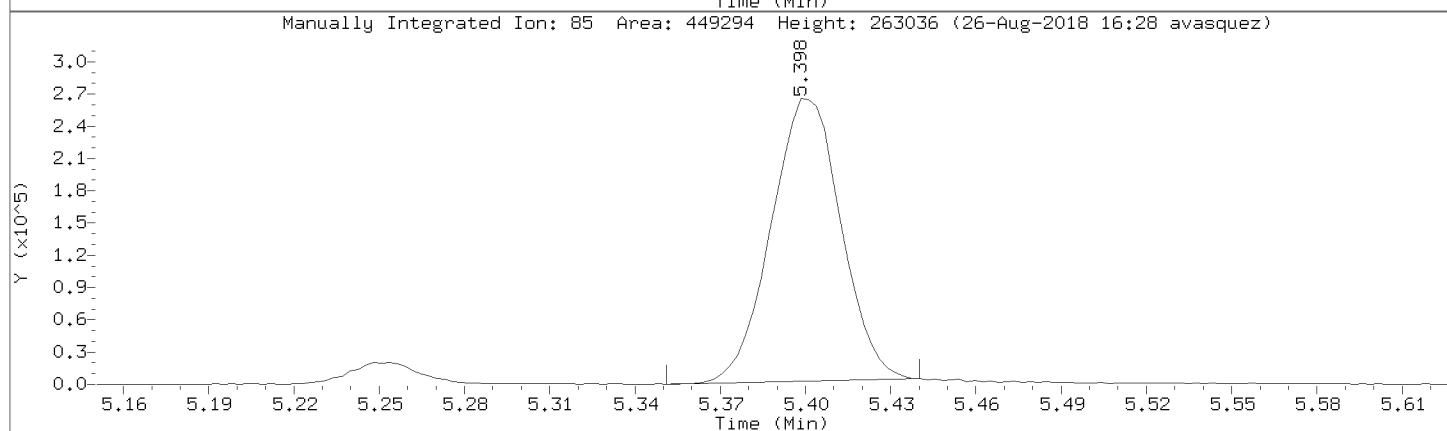
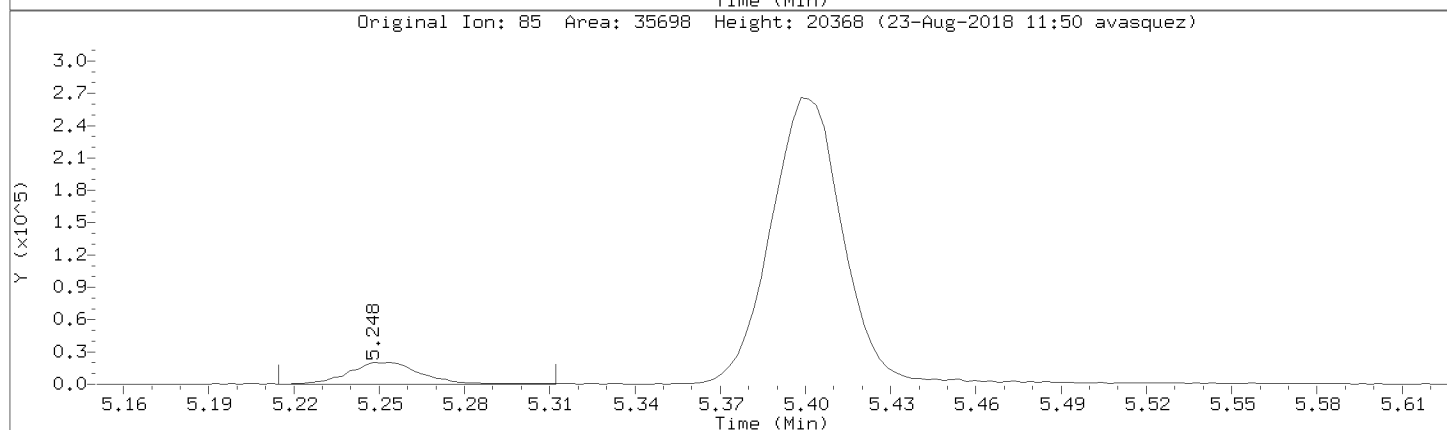
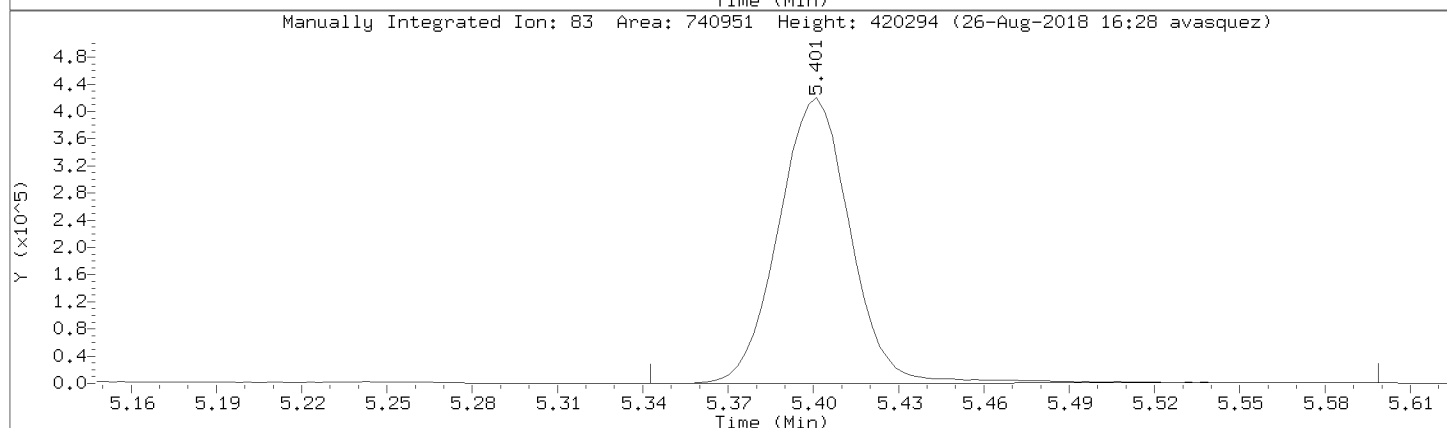
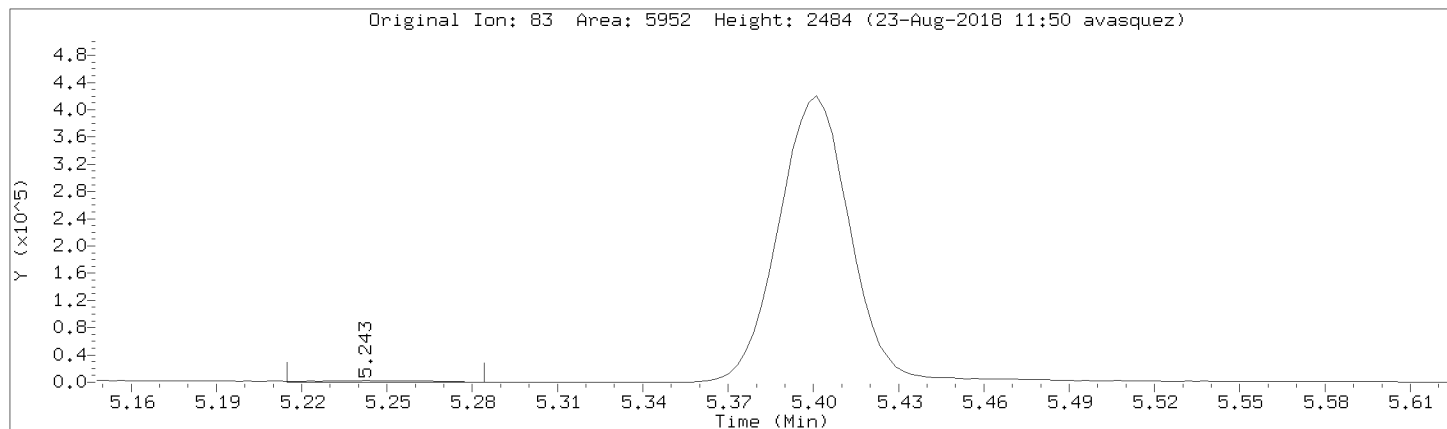
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Lab Sample ID: 8260-CAL8



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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

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

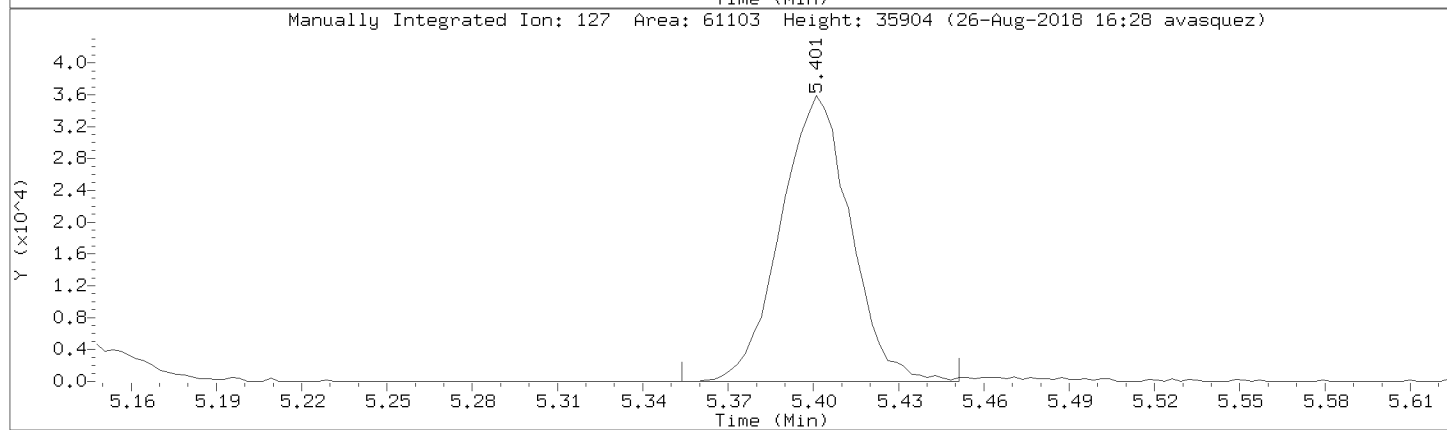
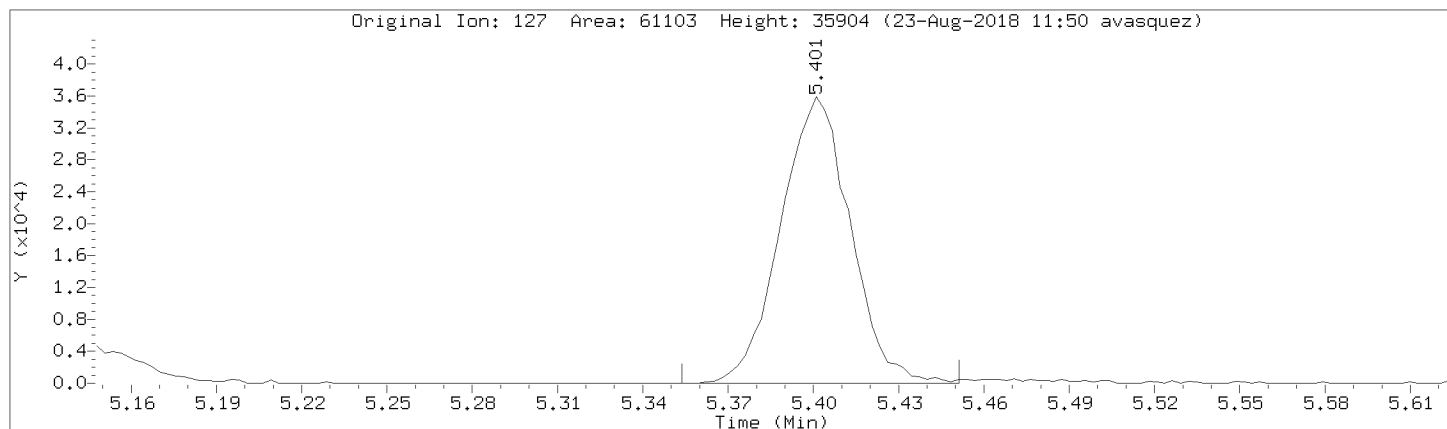


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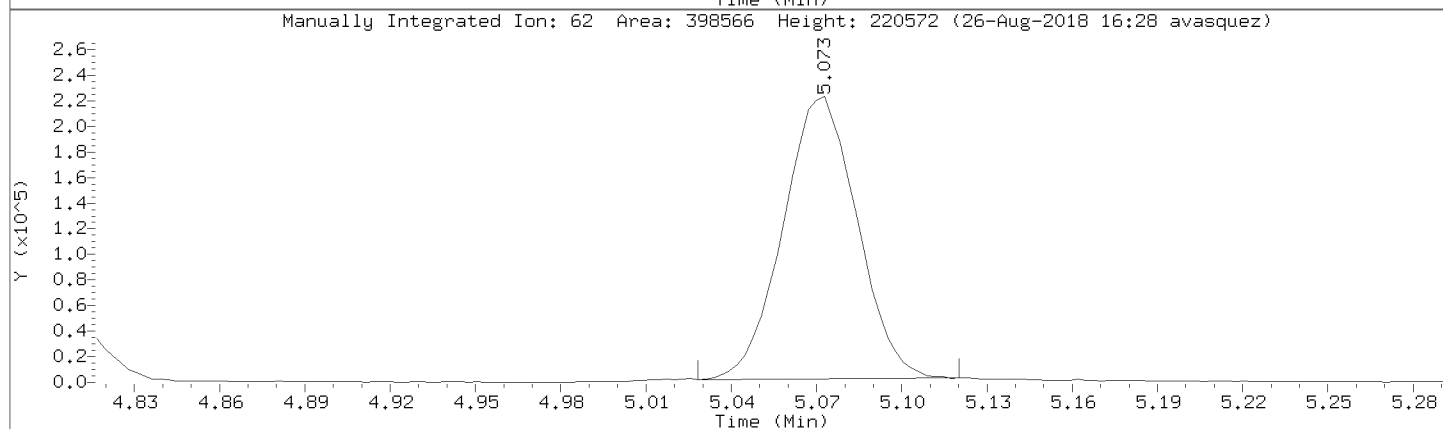
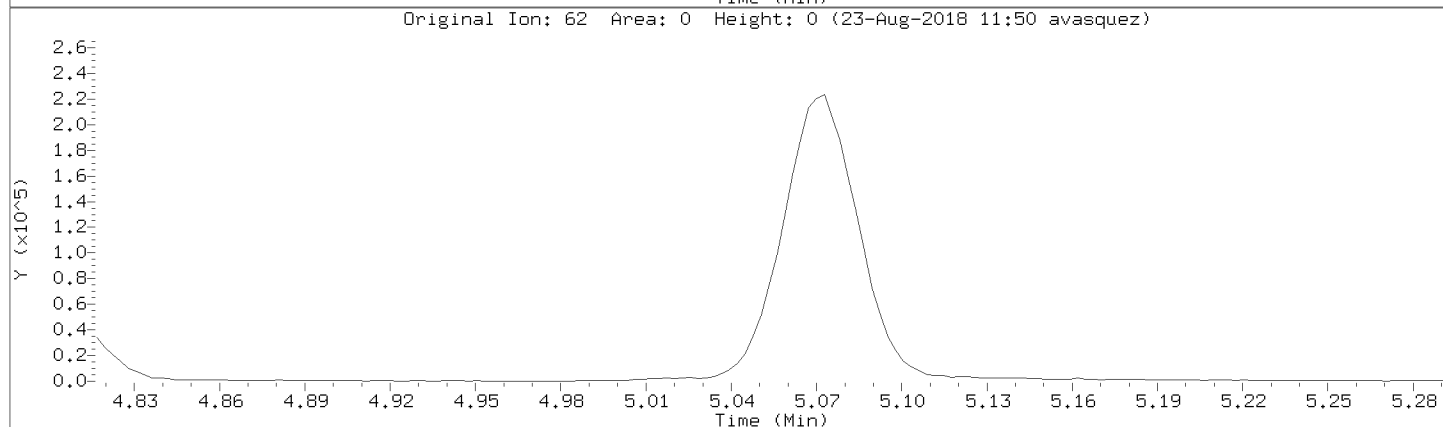
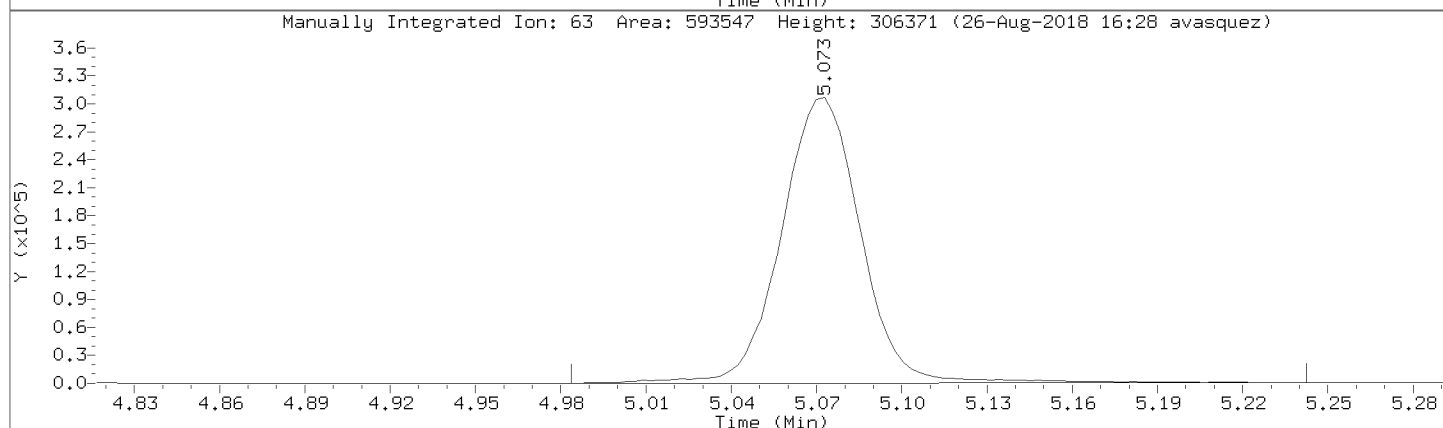
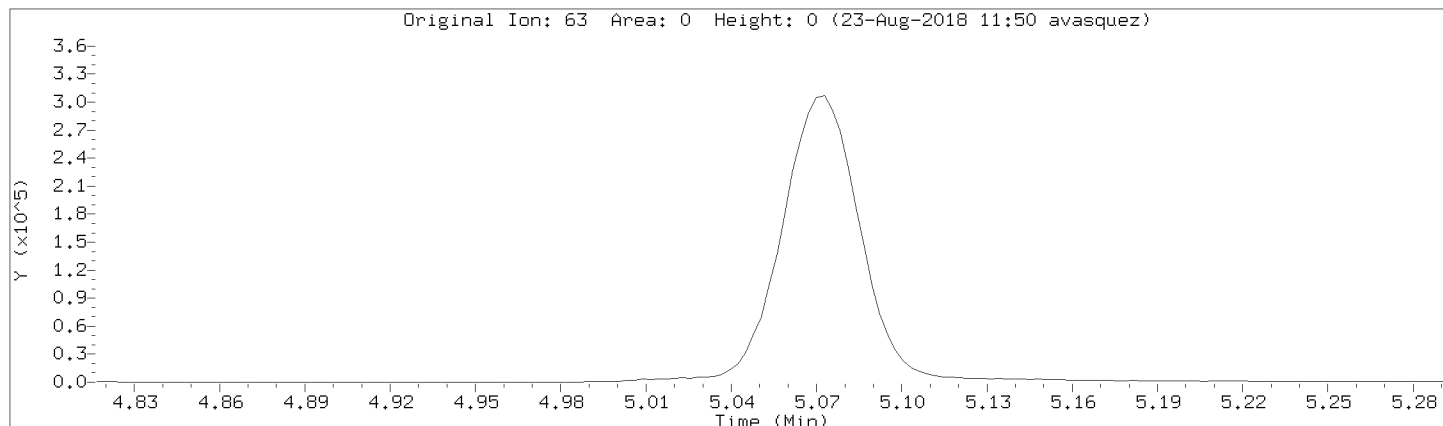
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Lab Sample ID: 8260-CAL8

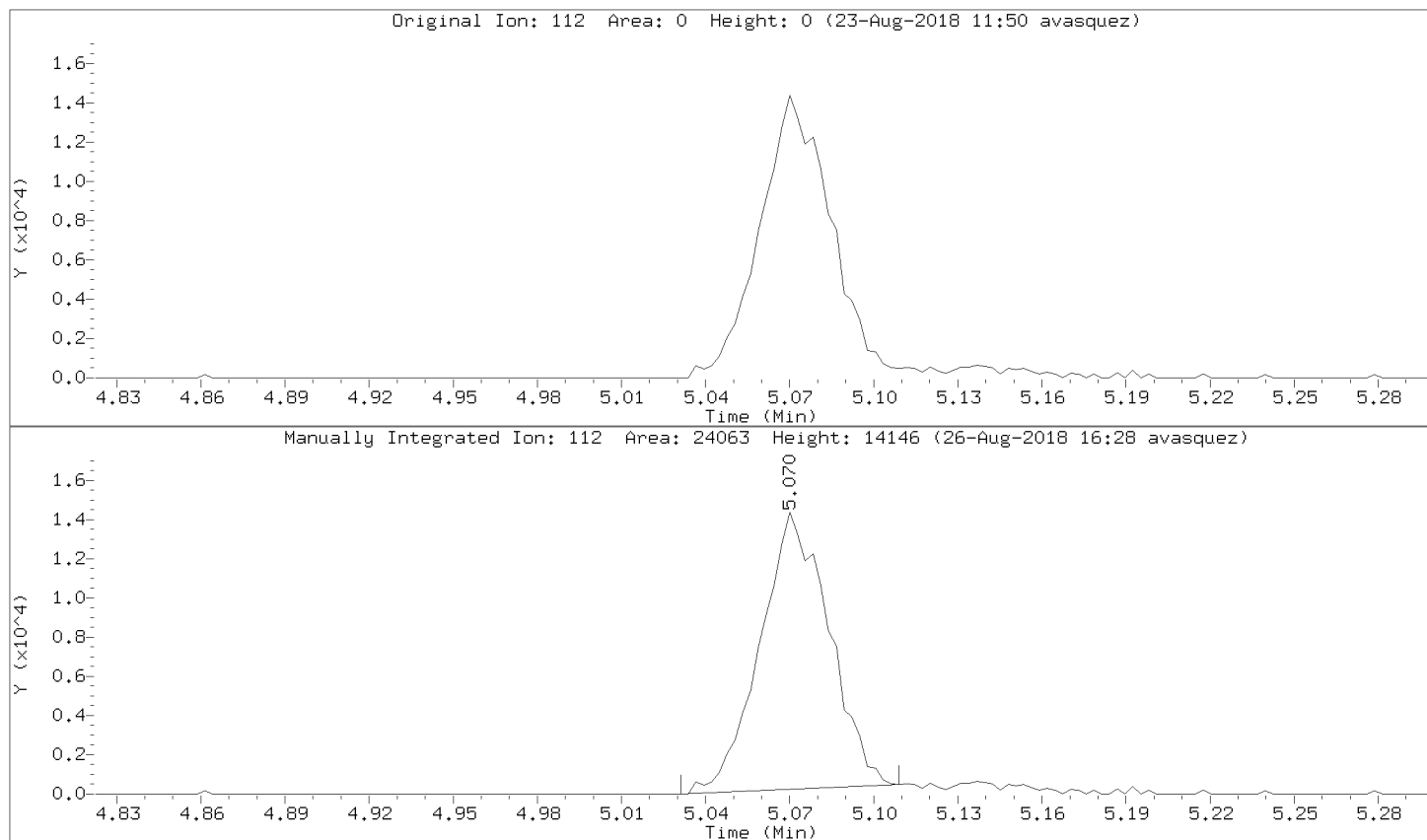


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

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

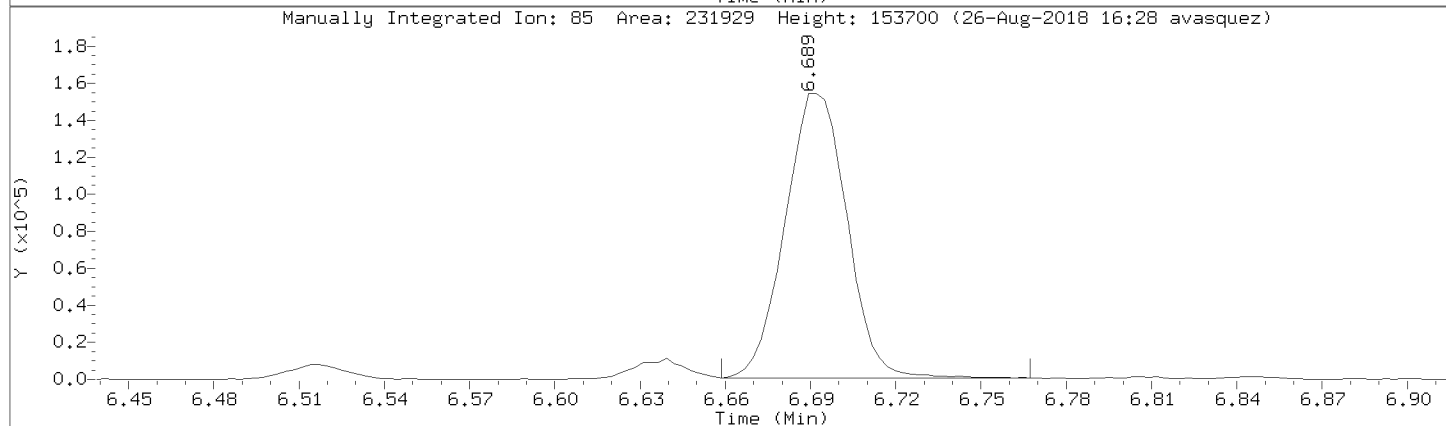
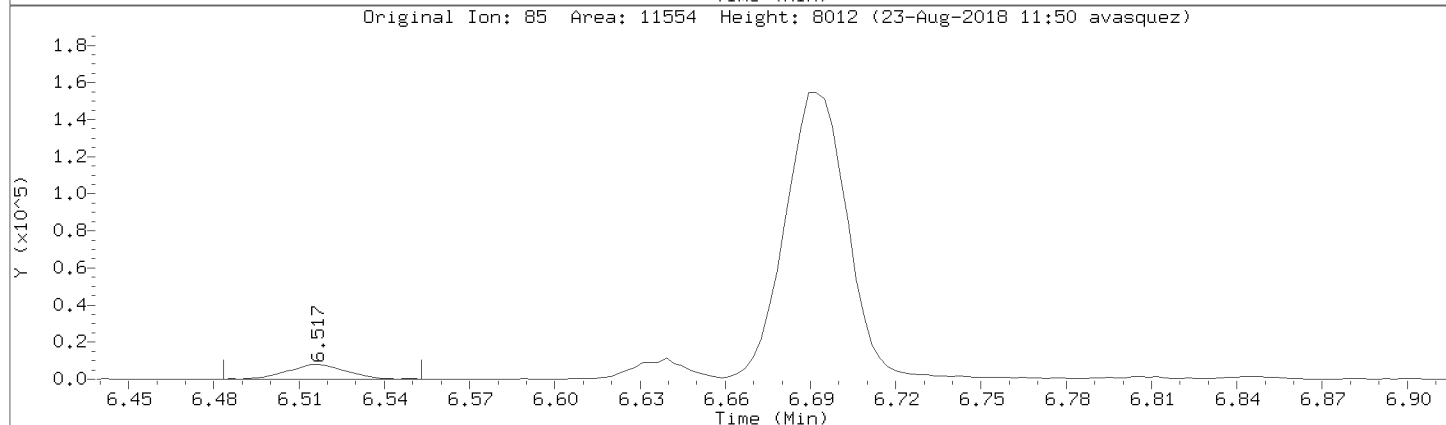
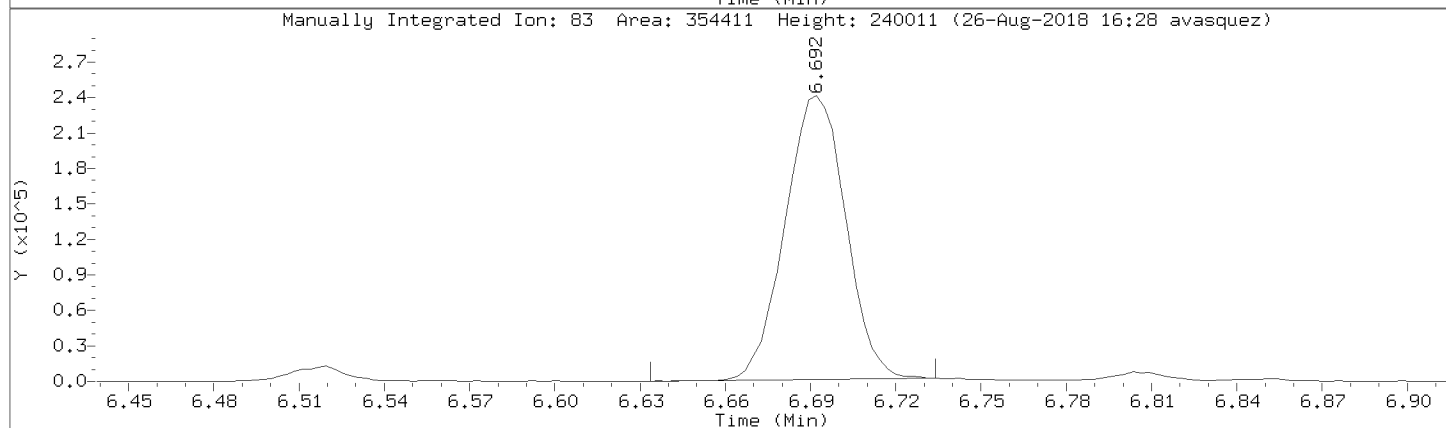
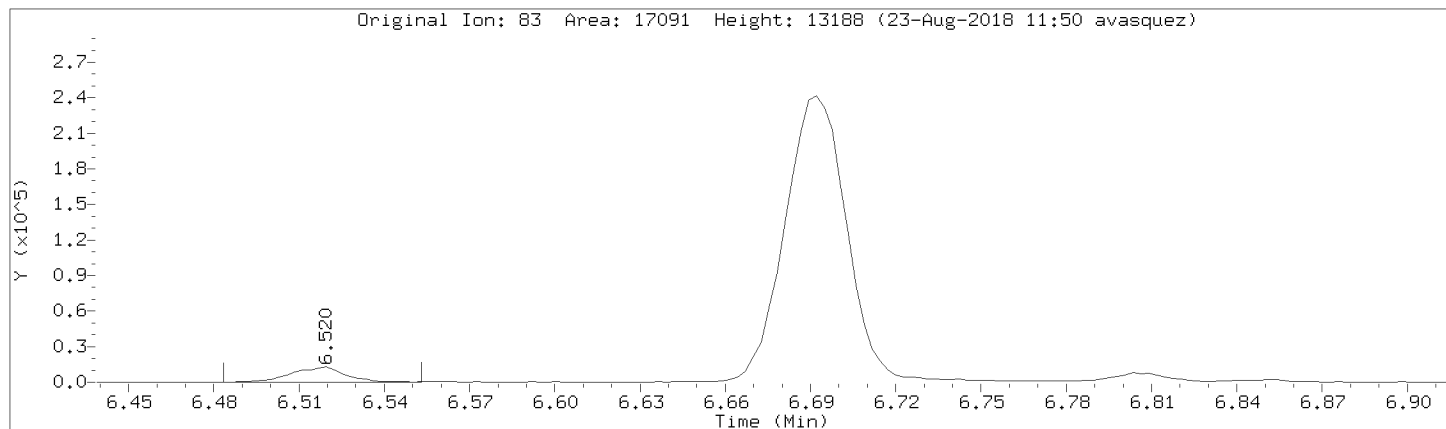


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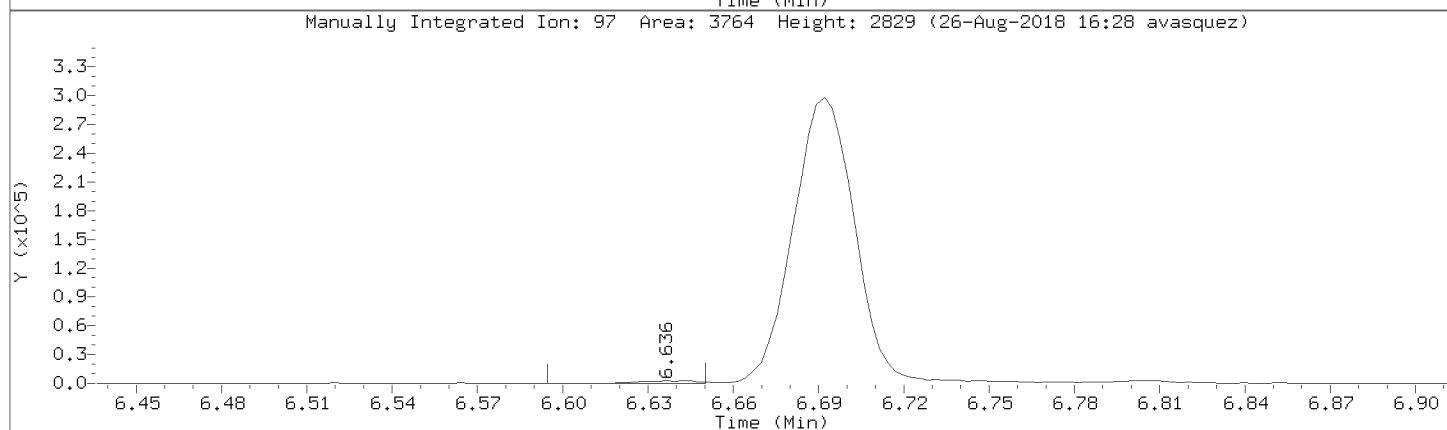
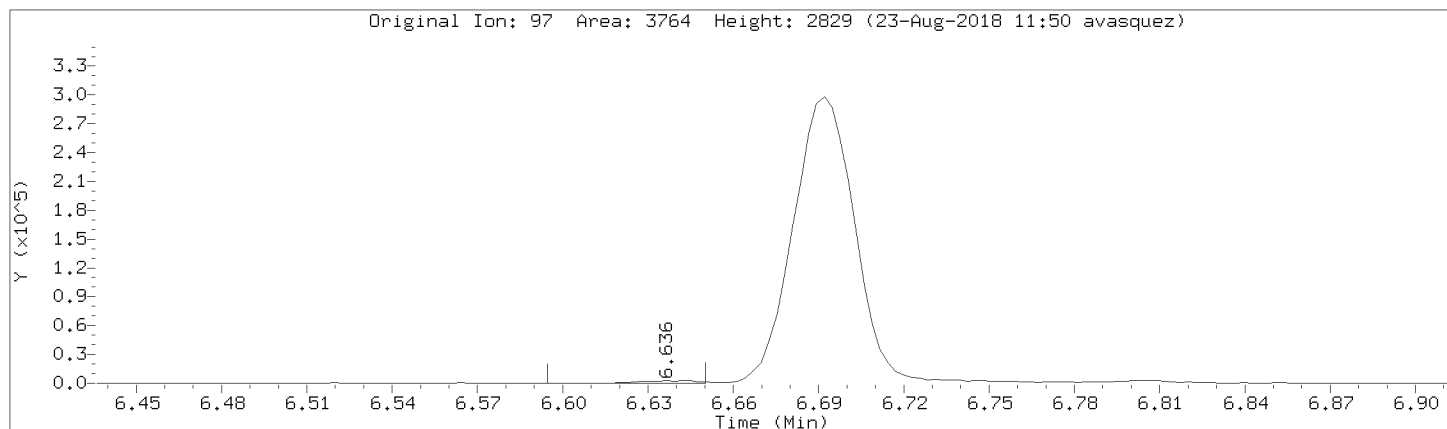


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Injection Date: 22-AUG-2018 18:07
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

Compound: 1,1,2-Trichloroethane Review Code: NI
CAS Number: 79-00-5



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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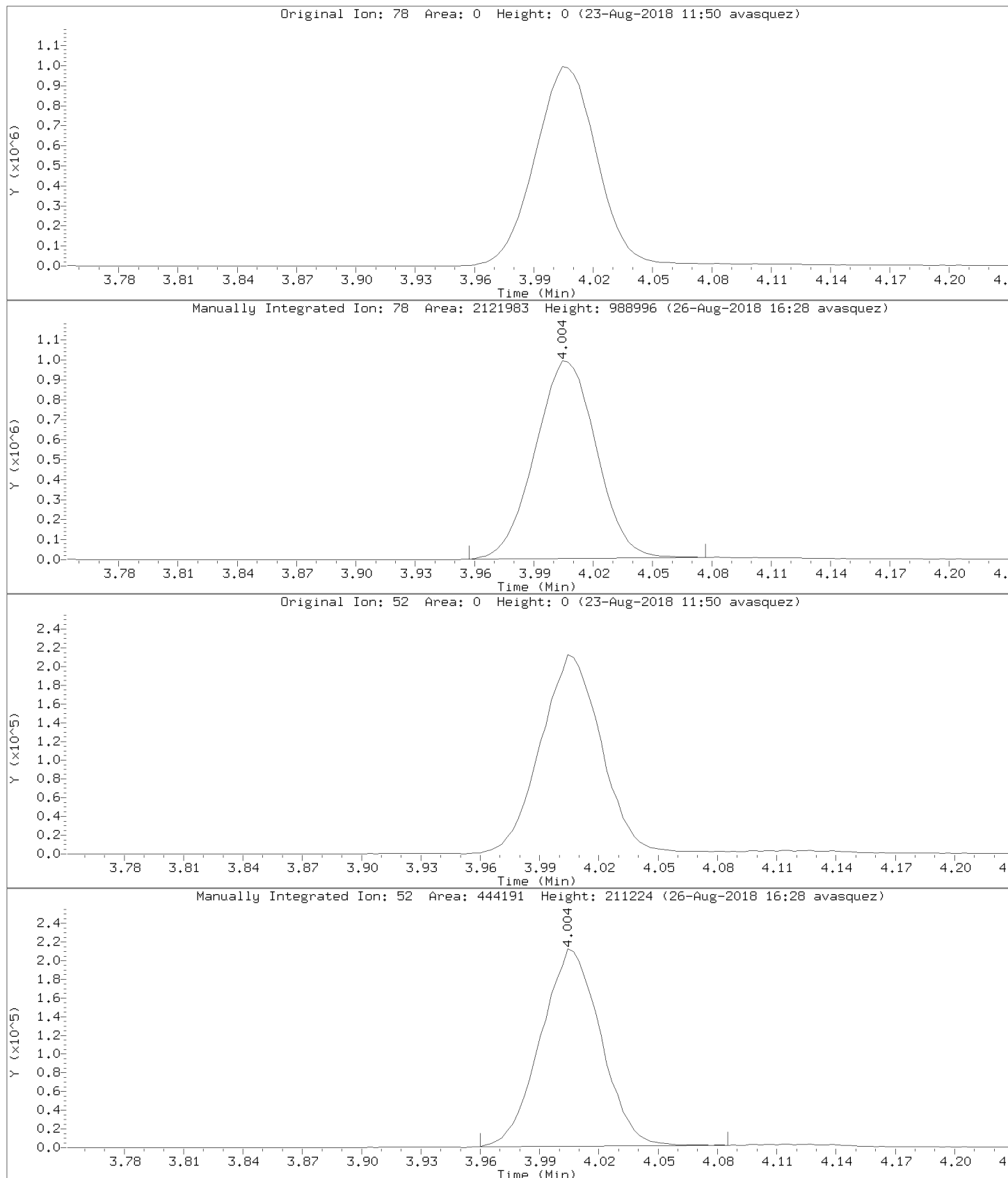
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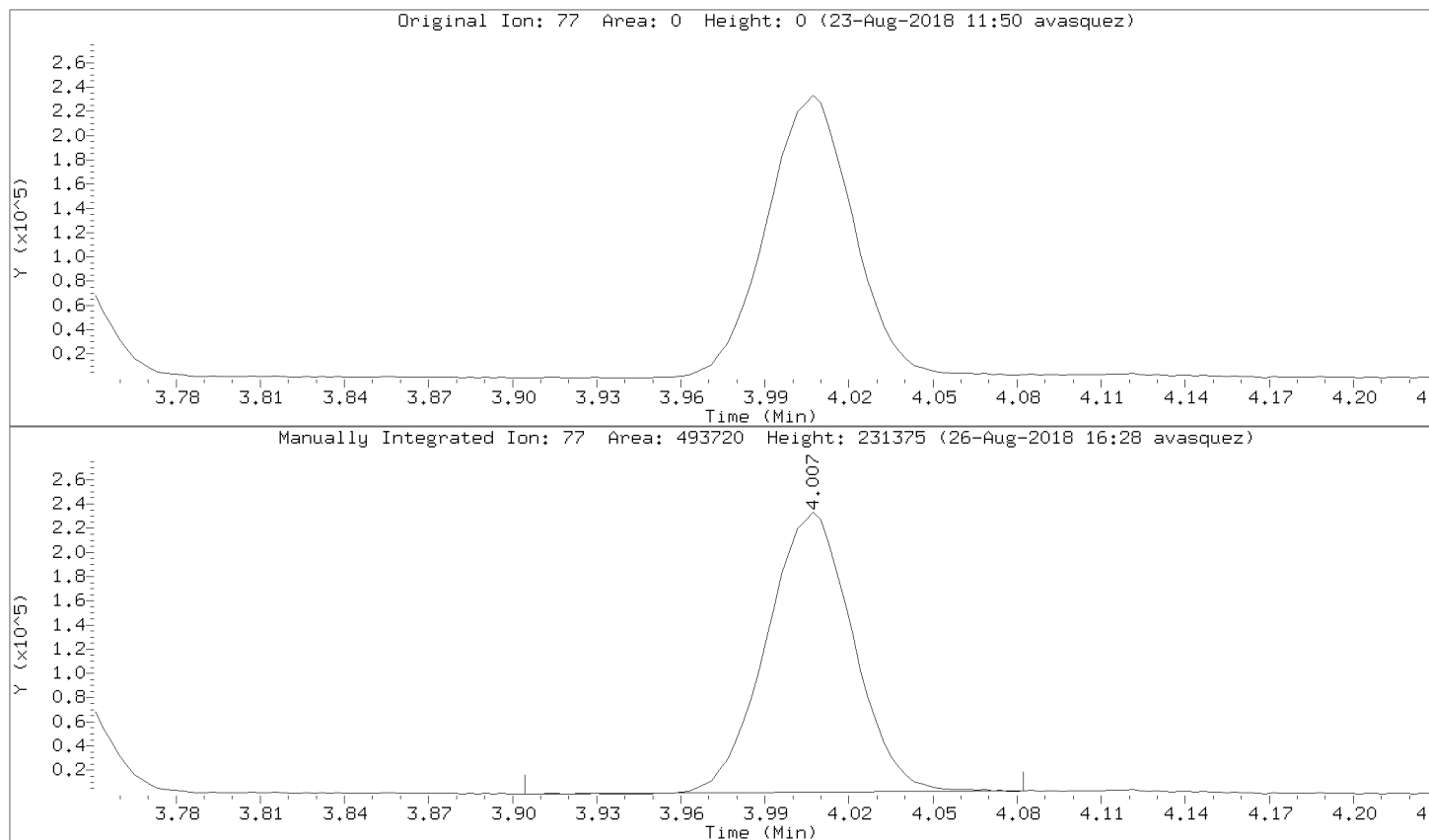
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Compound: Benzene Review Code: NI

CAS Number: 71-43-2

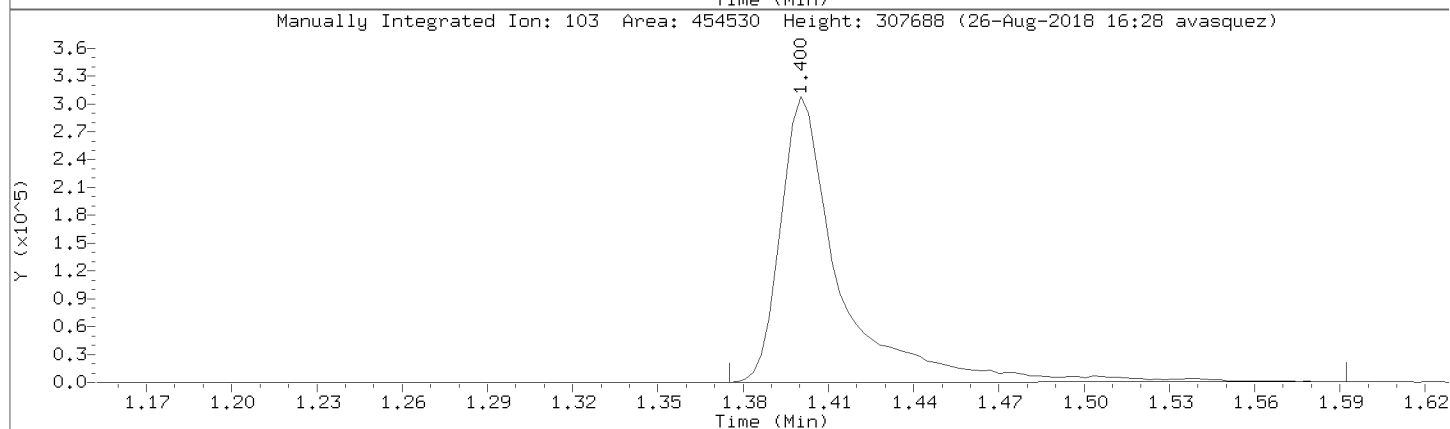
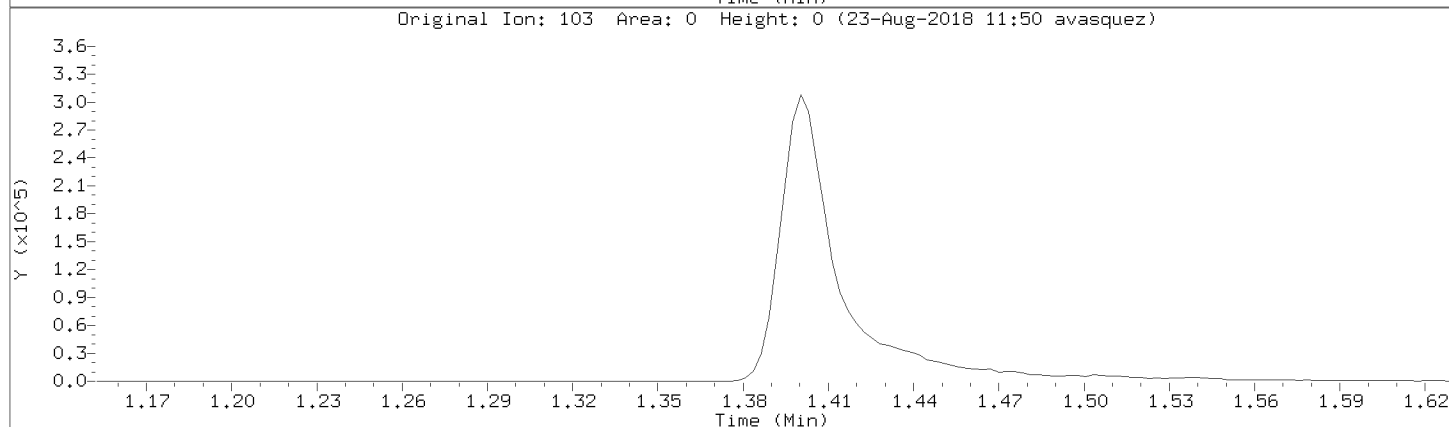
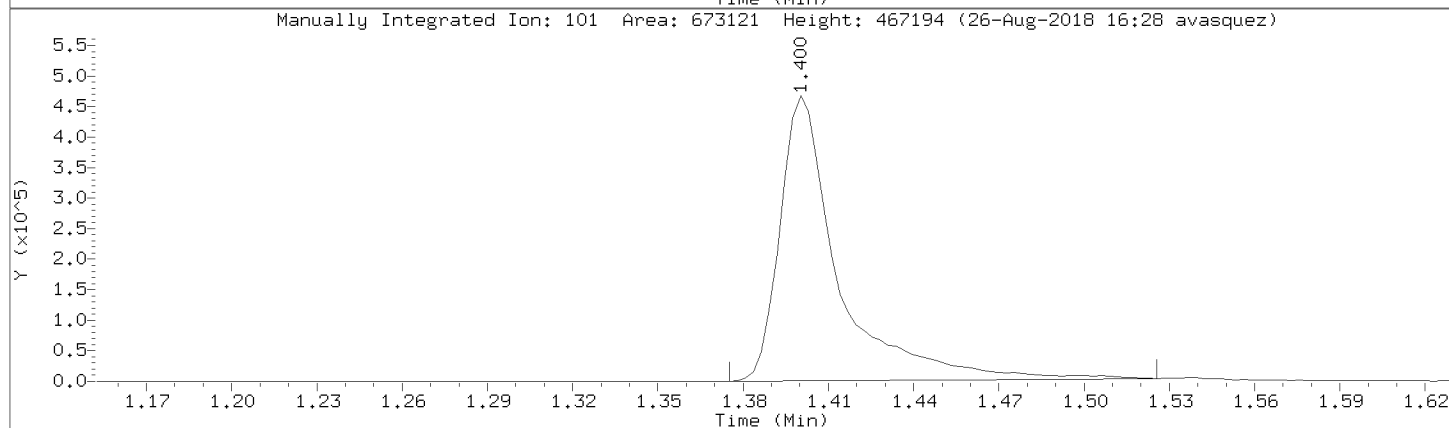
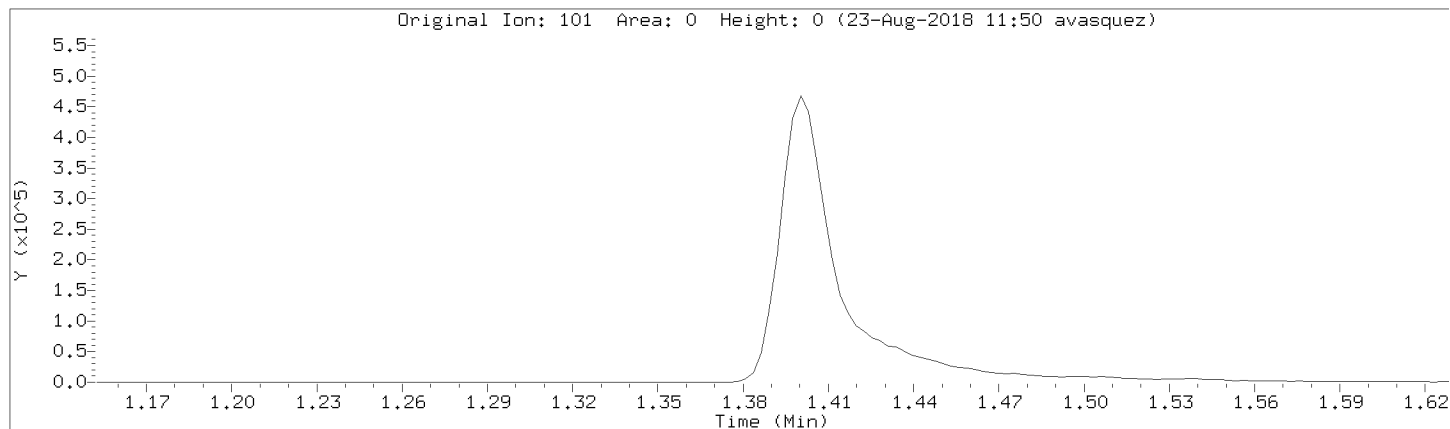


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8



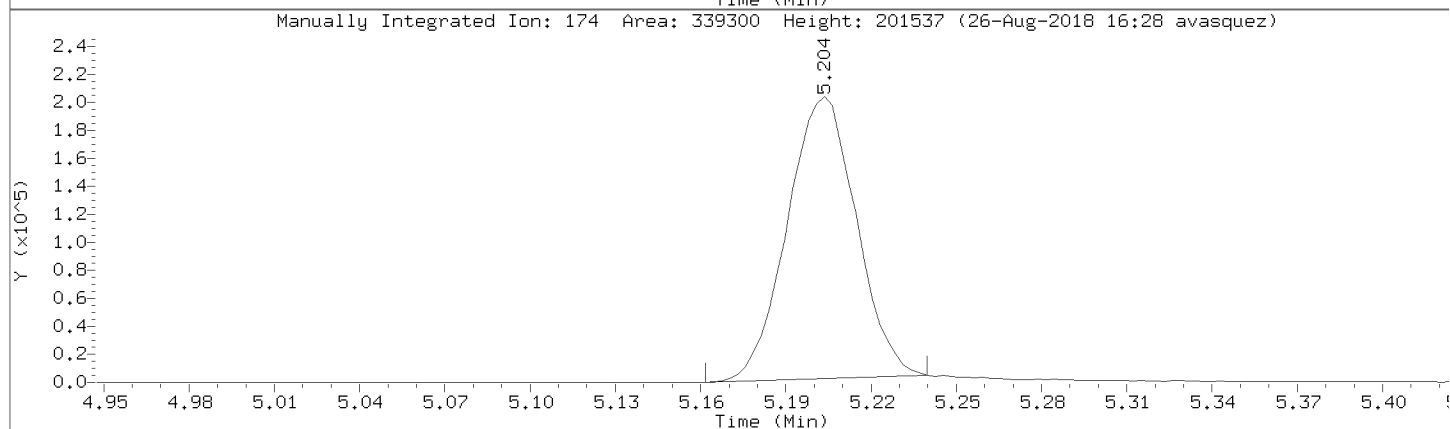
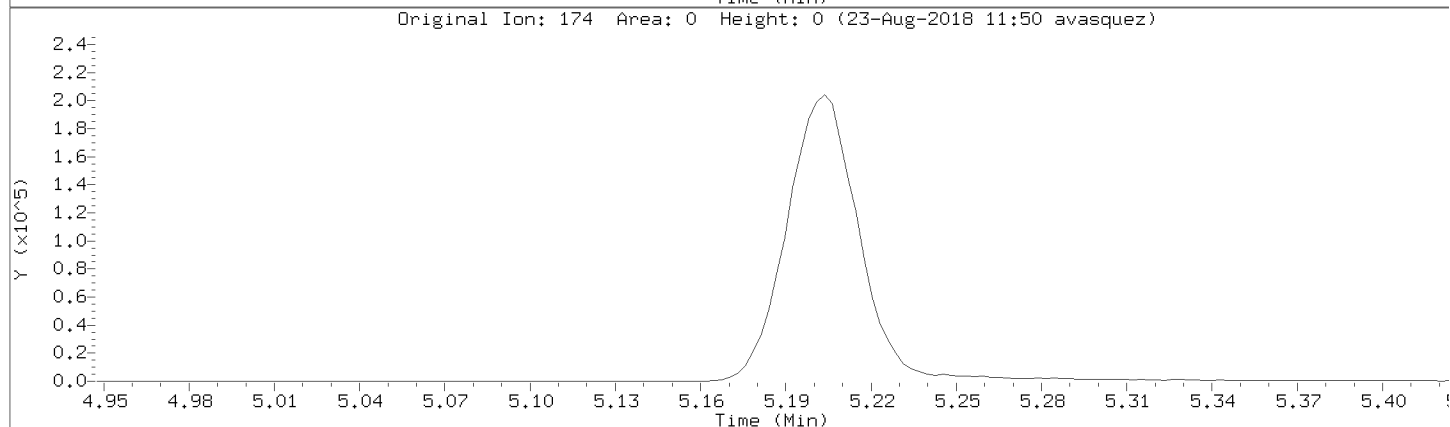
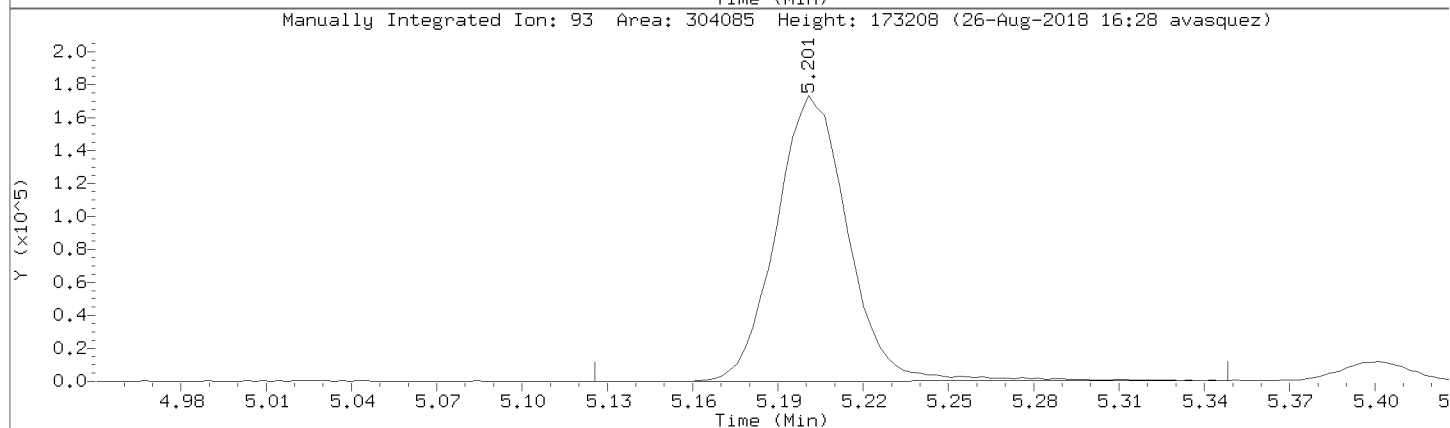
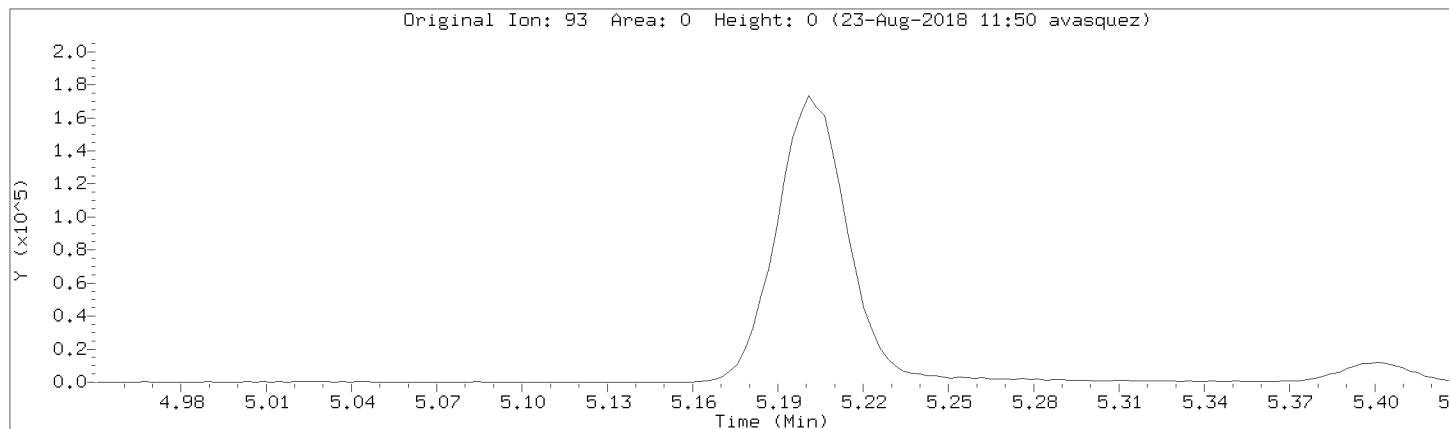
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Lab Sample ID: 8260-CAL8

Compound: Trichlorofluoromethane Review Code: NI
CAS Number: 75-69-4

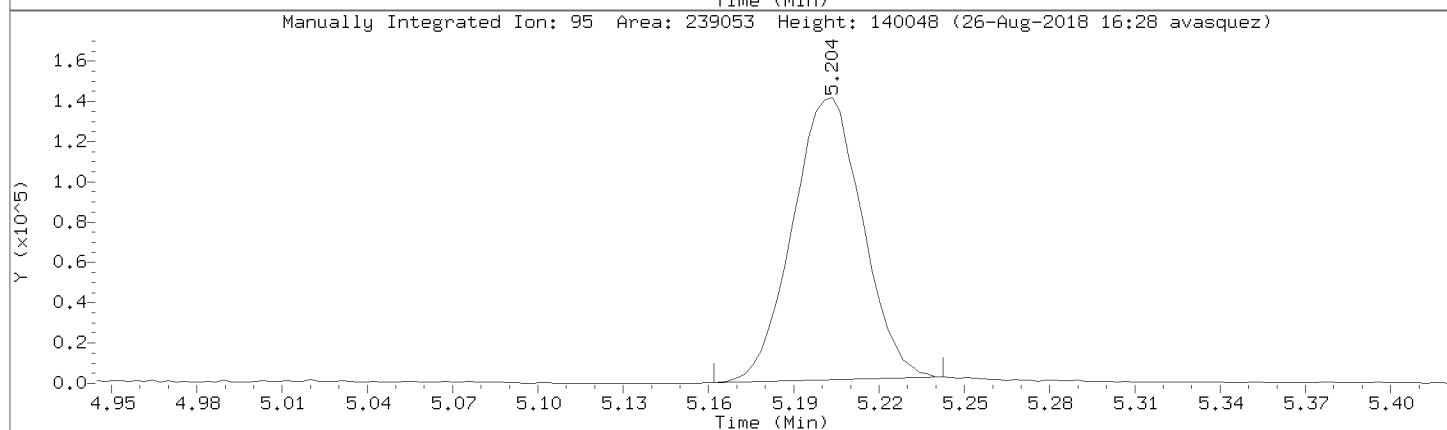
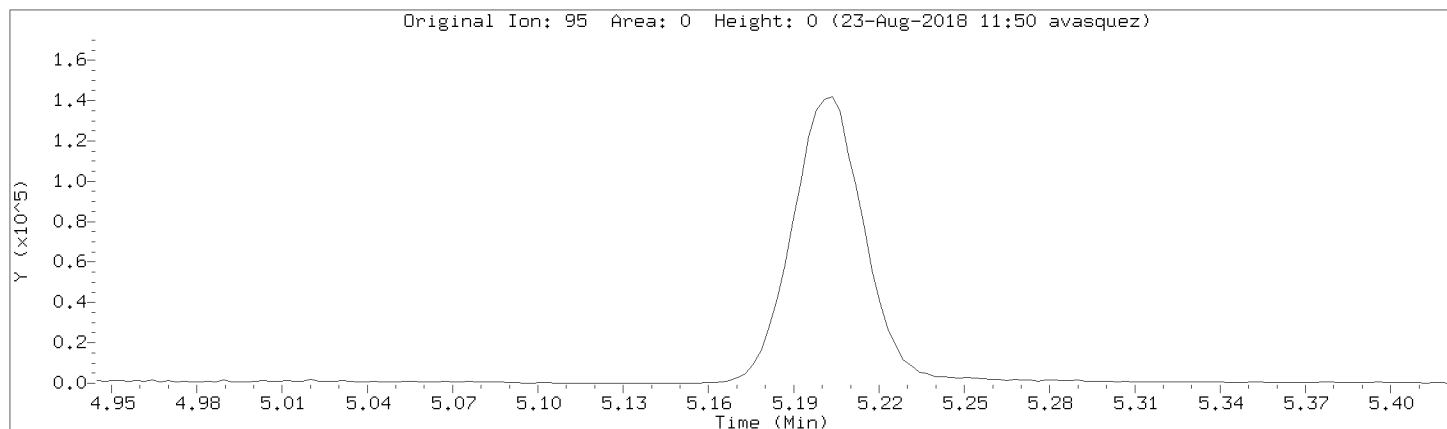


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

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

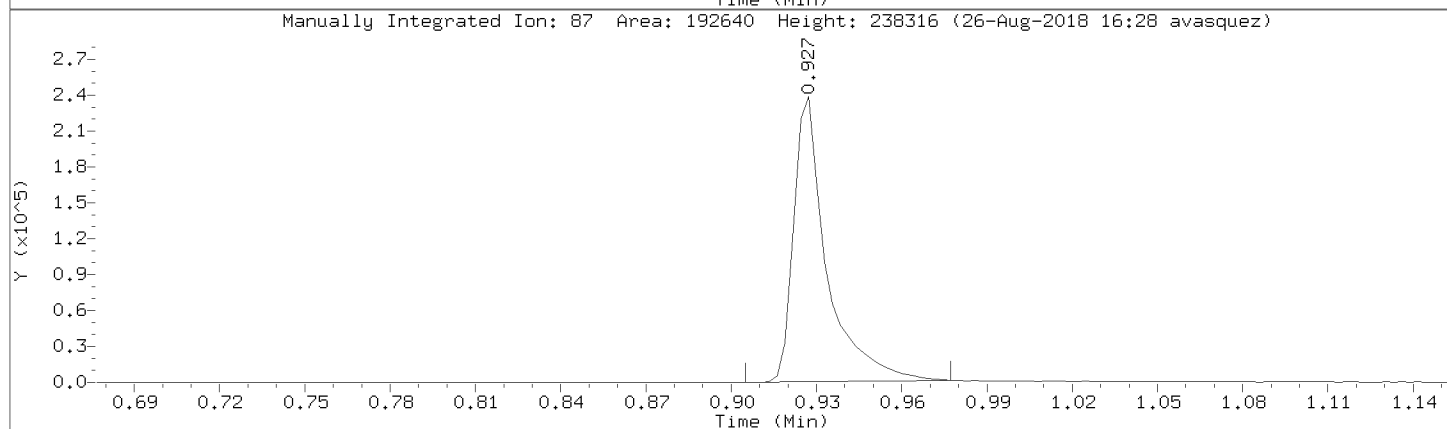
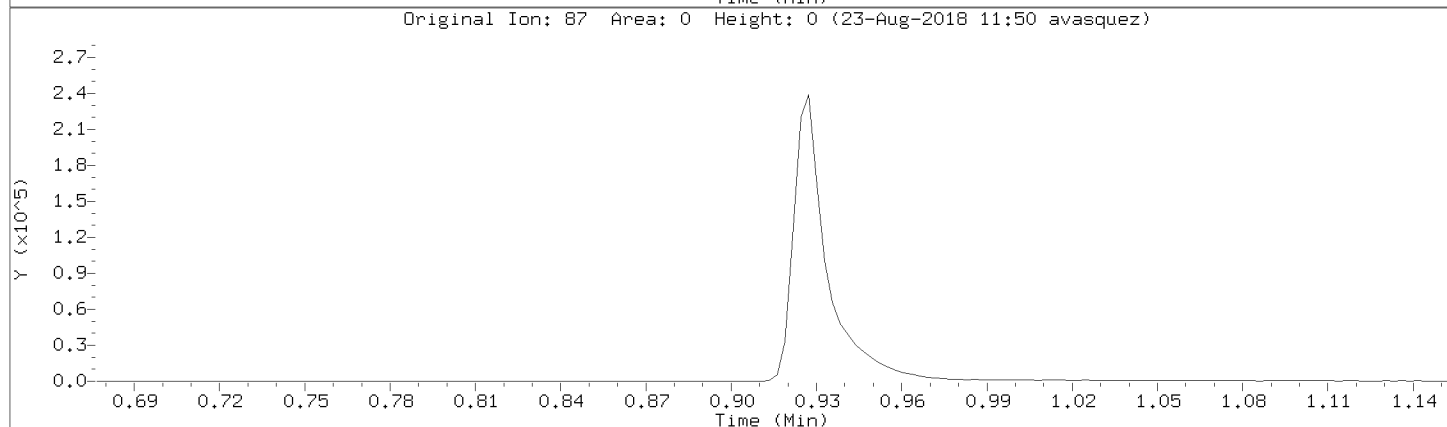
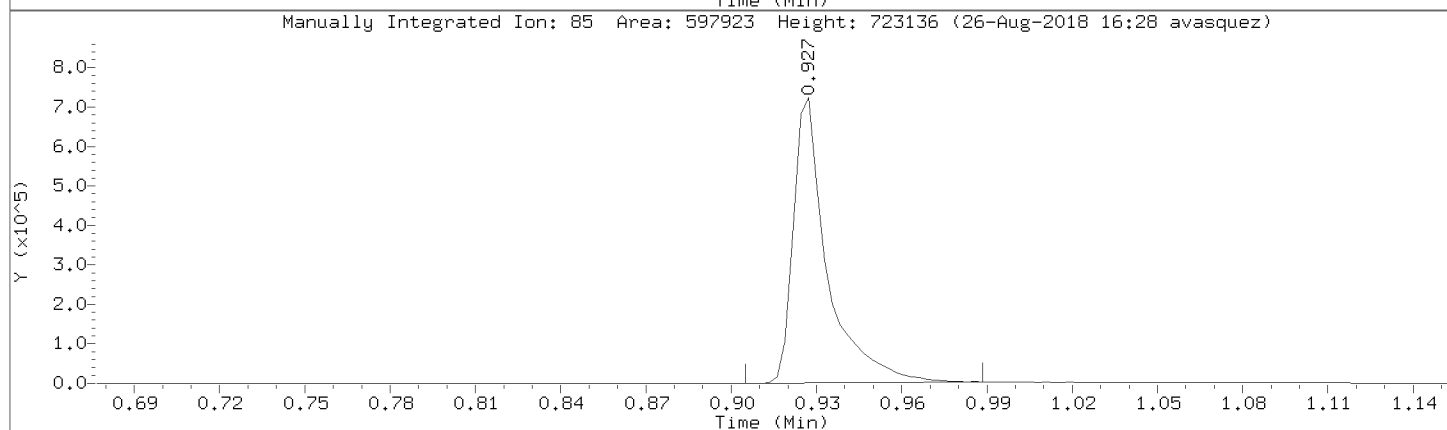
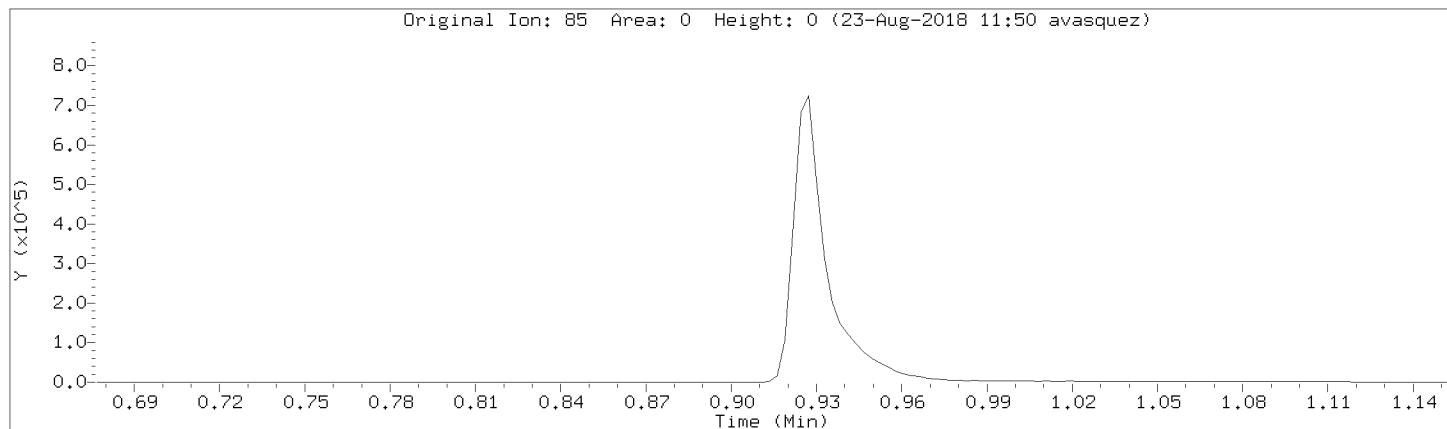


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Lab Sample ID: 8260-CAL8

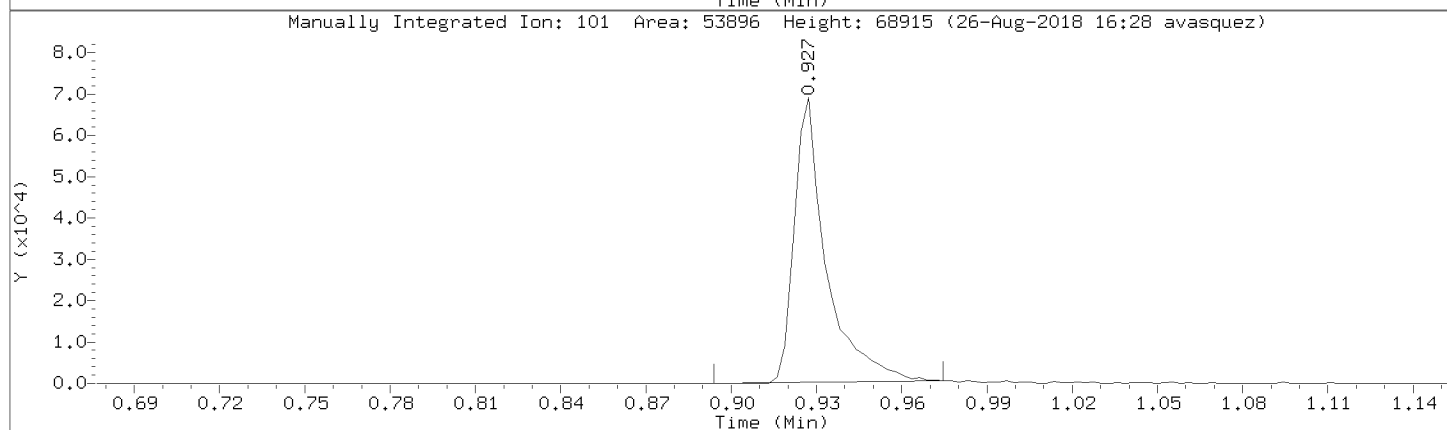
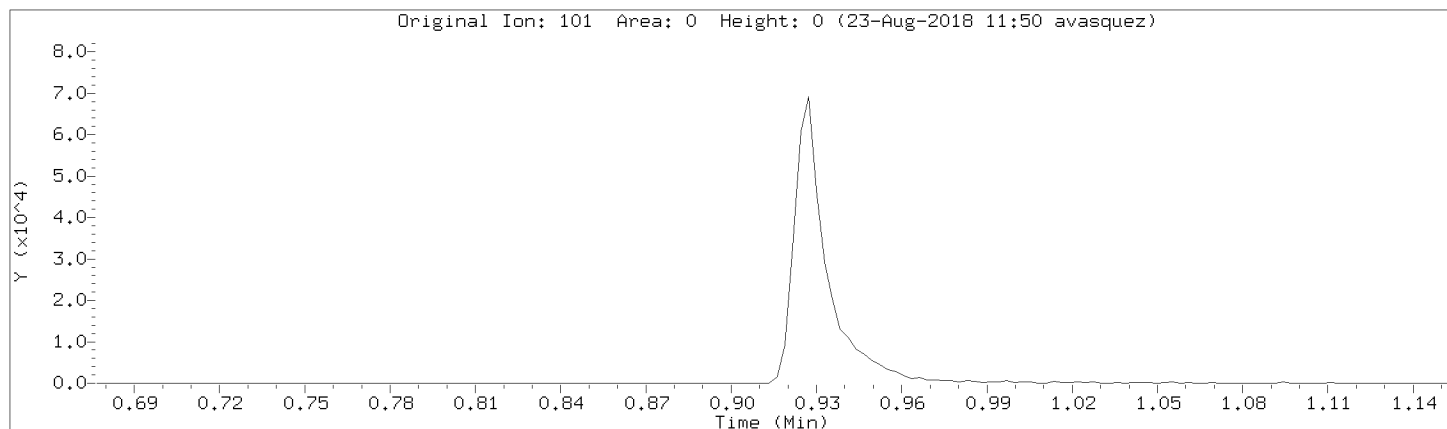


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Lab Sample ID: 8260-CAL8

Compound: Dichlorodifluoromethane Review Code: NI
CAS Number: 75-71-8

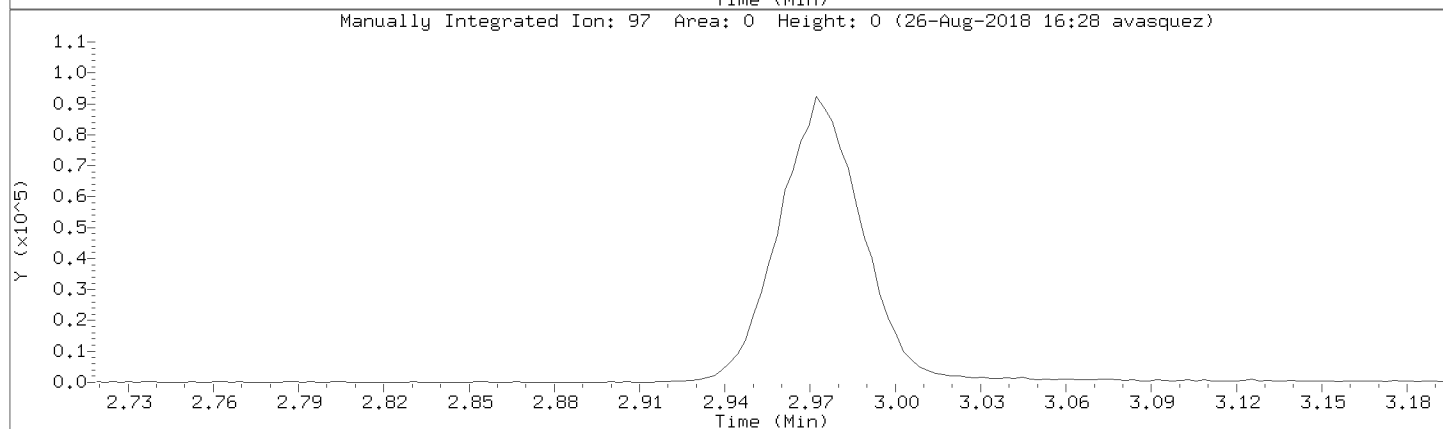
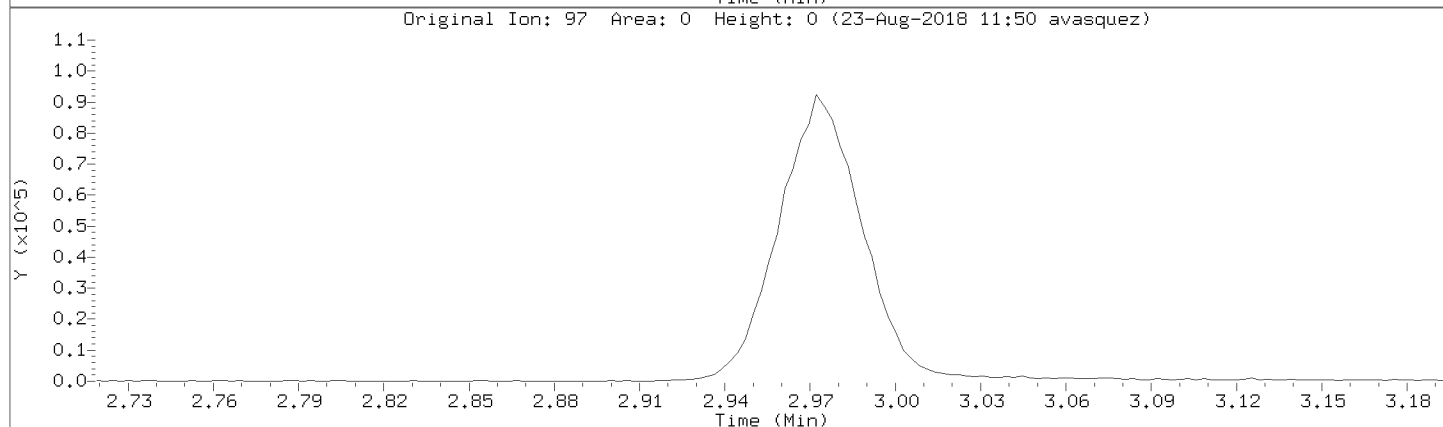
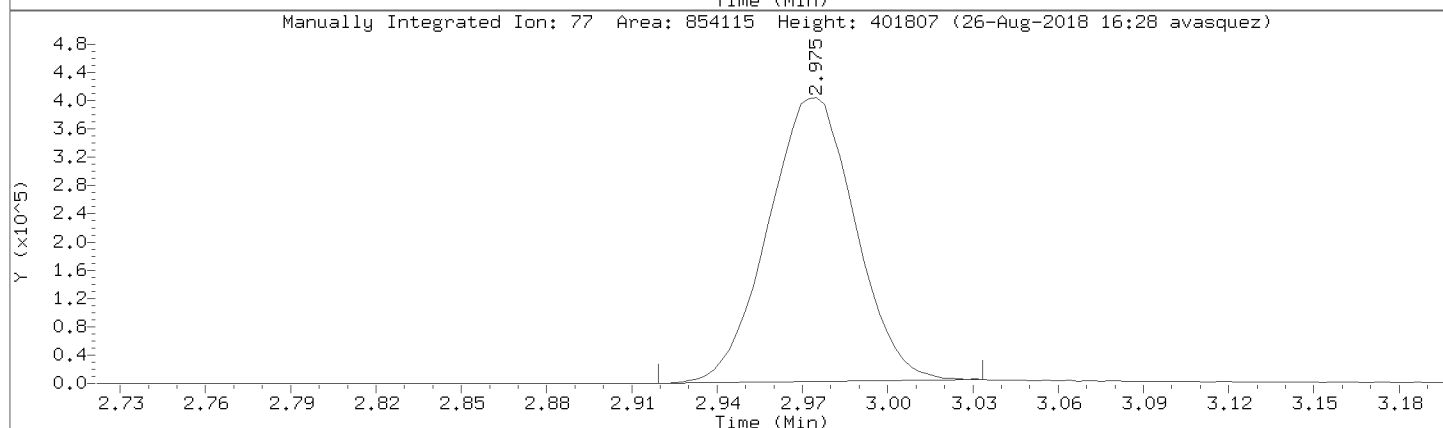
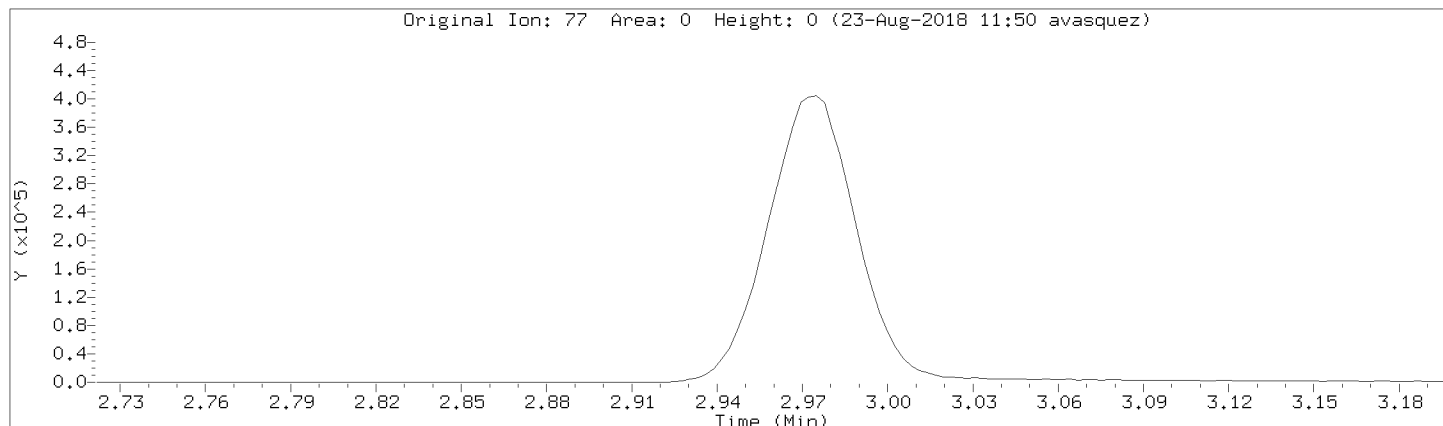


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Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8



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Injection Date: 22-AUG-2018 18:07
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

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



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Injection Date: 22-AUG-2018 18:07

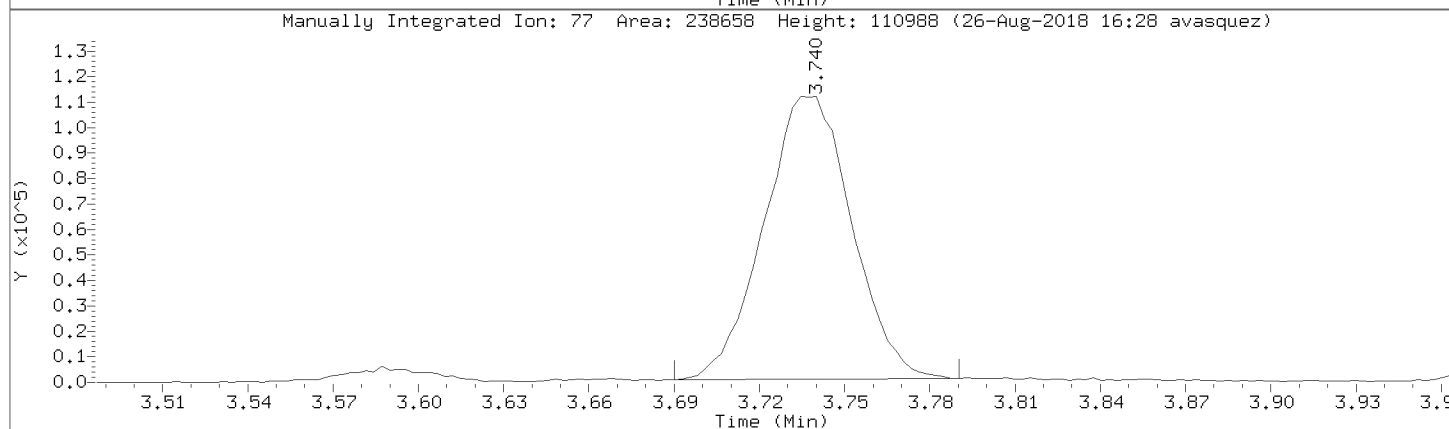
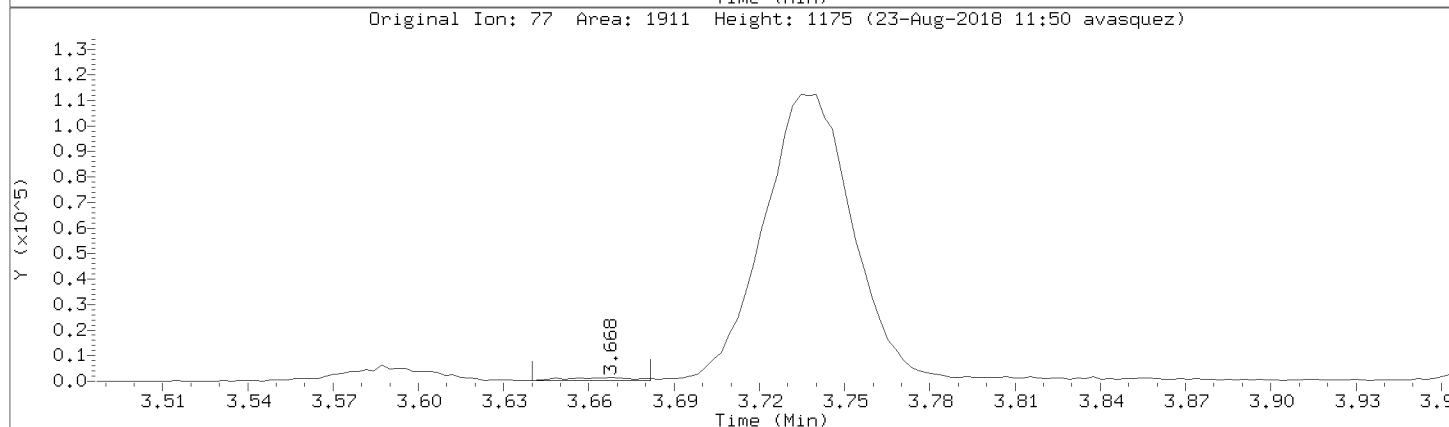
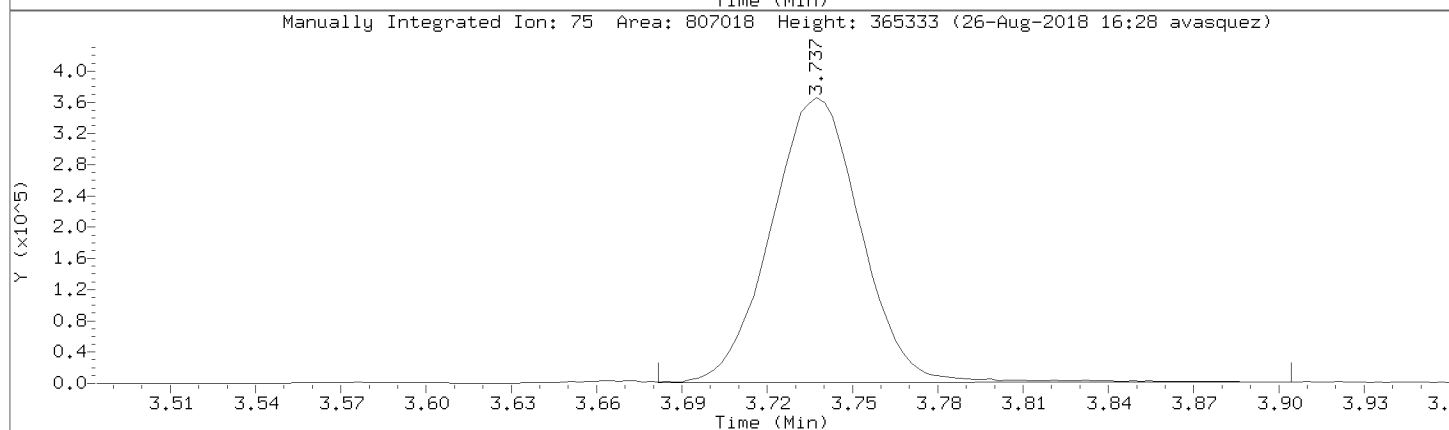
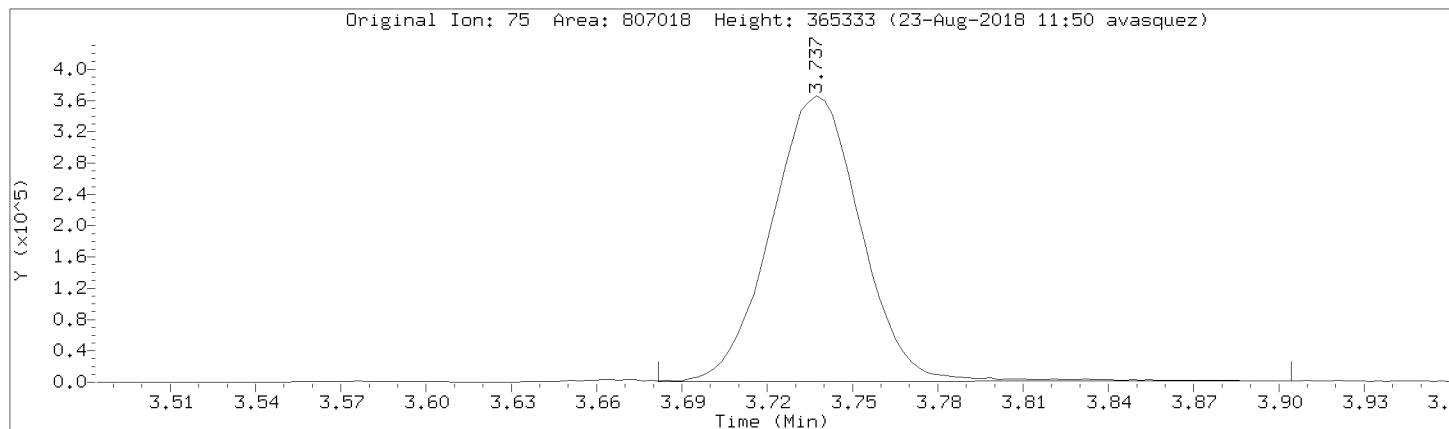
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

Compound: 1,1-Dichloropropene

Review Code: NI

CAS Number: 563-58-6

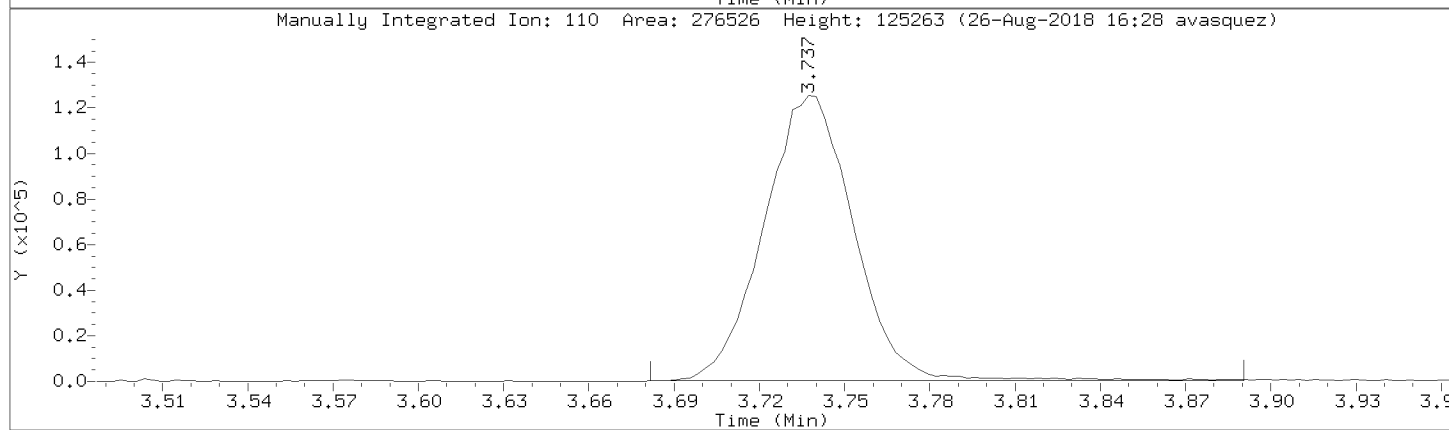
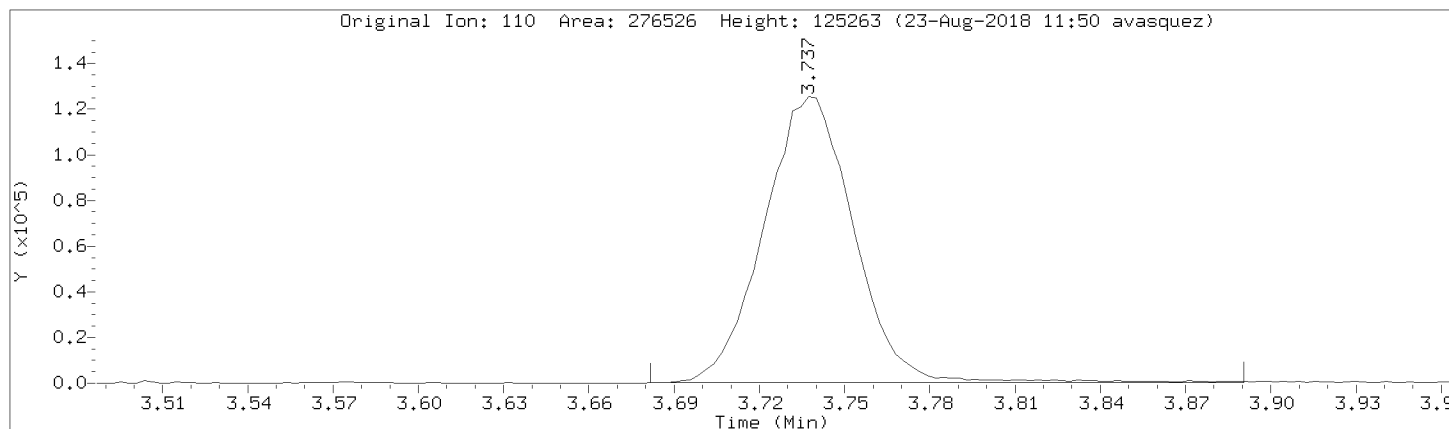


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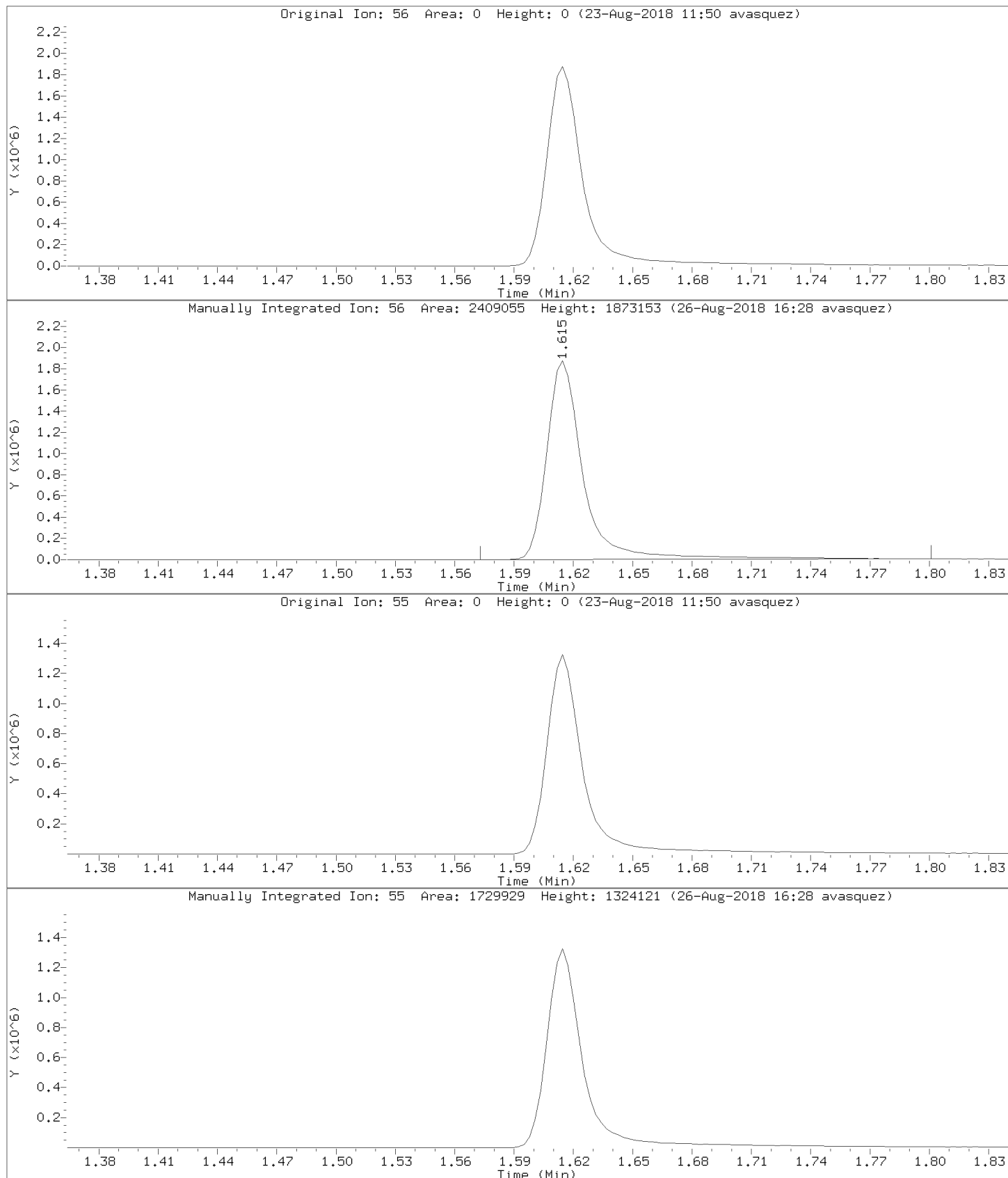
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Lab Sample ID: 8260-CAL8



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Injection Date: 22-AUG-2018 18:07
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

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



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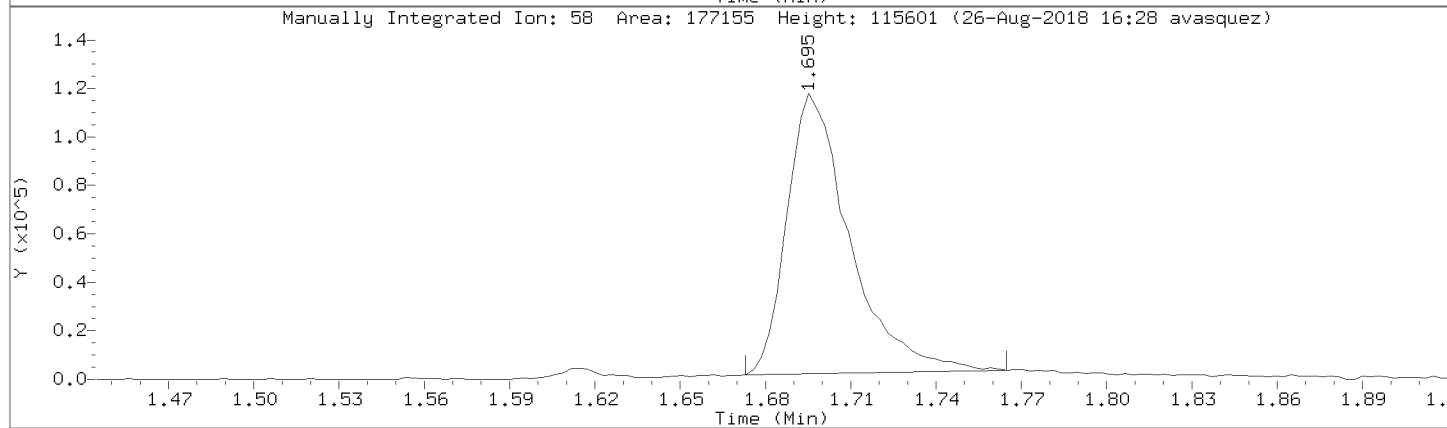
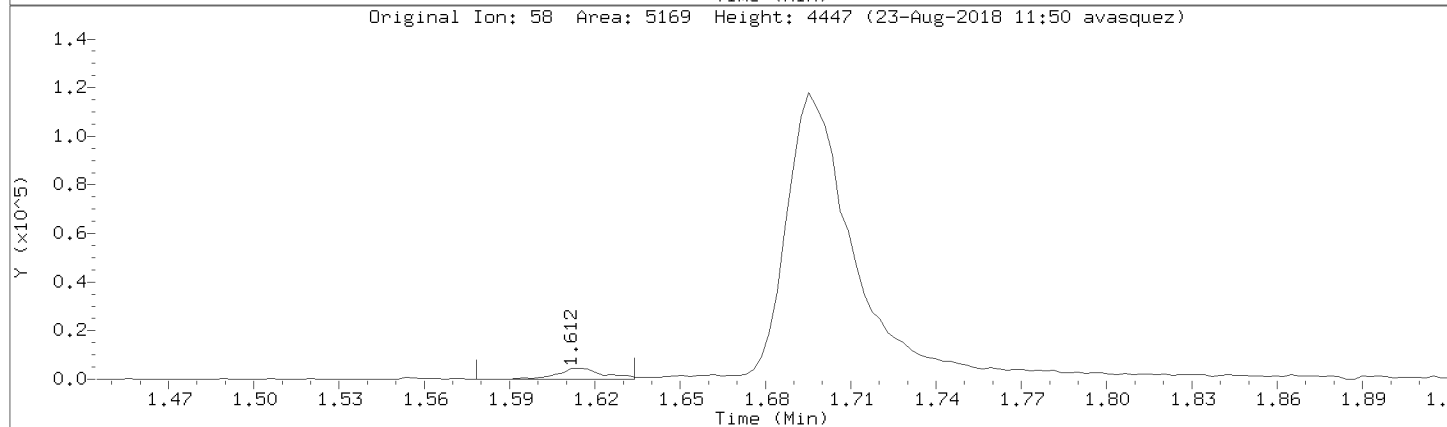
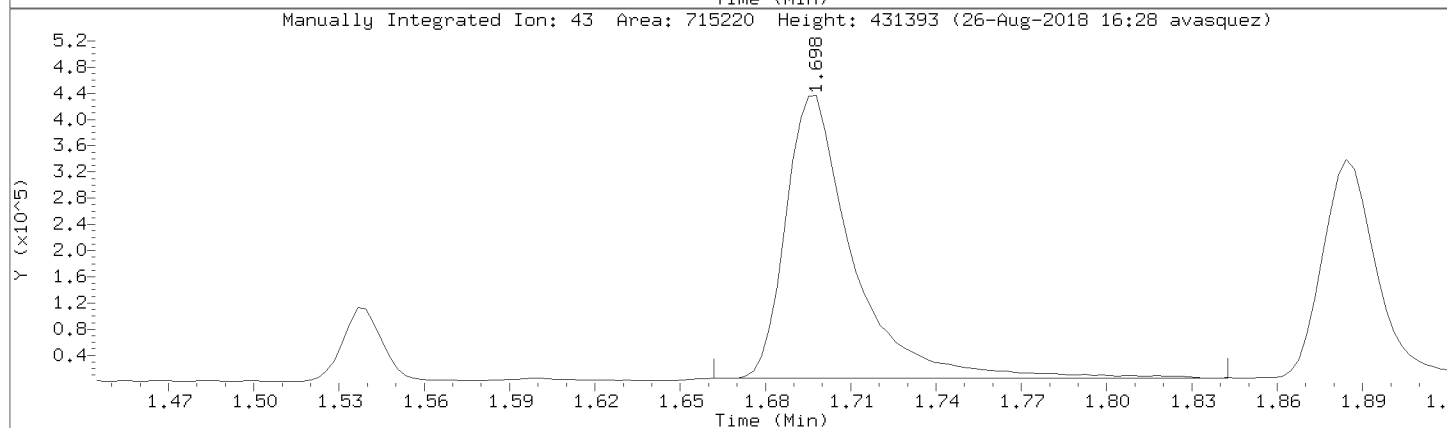
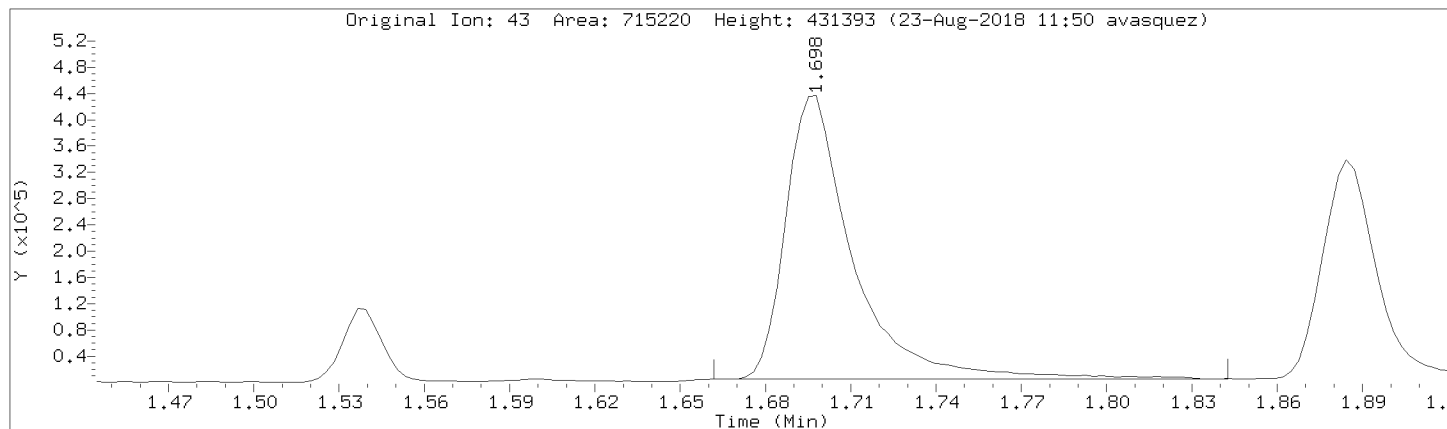
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Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

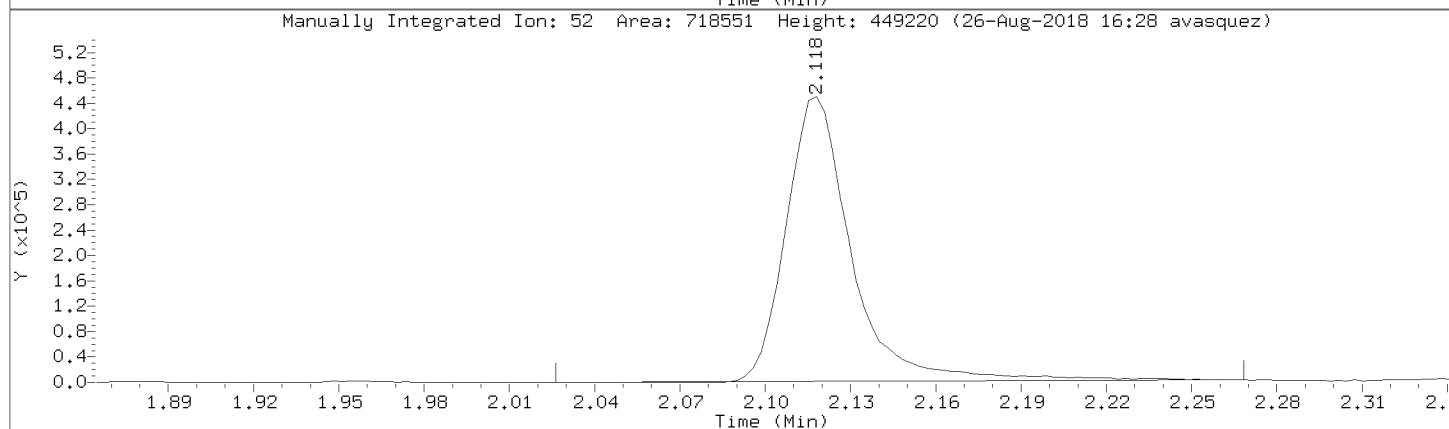
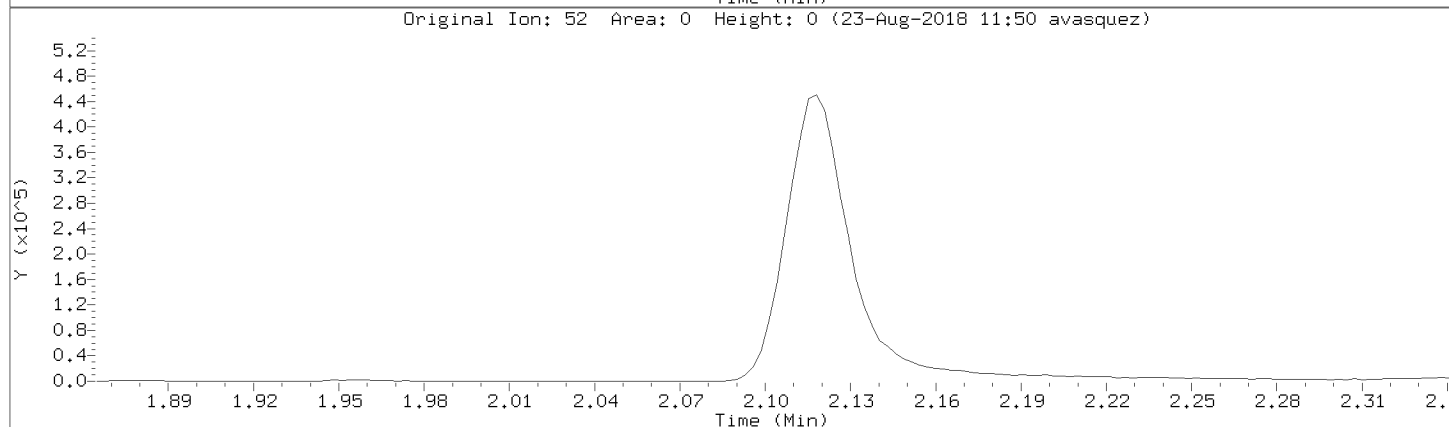
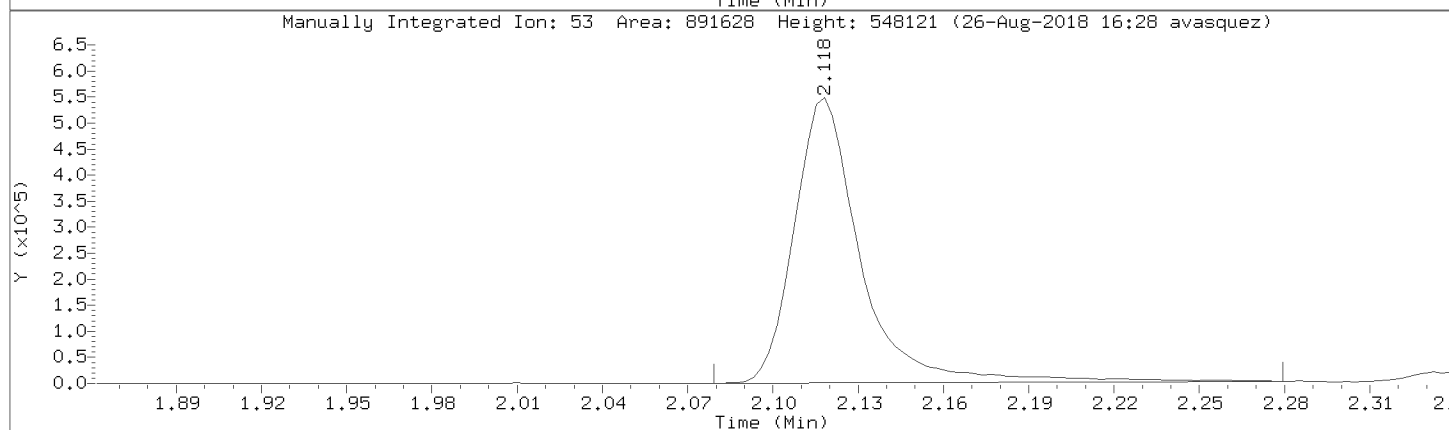
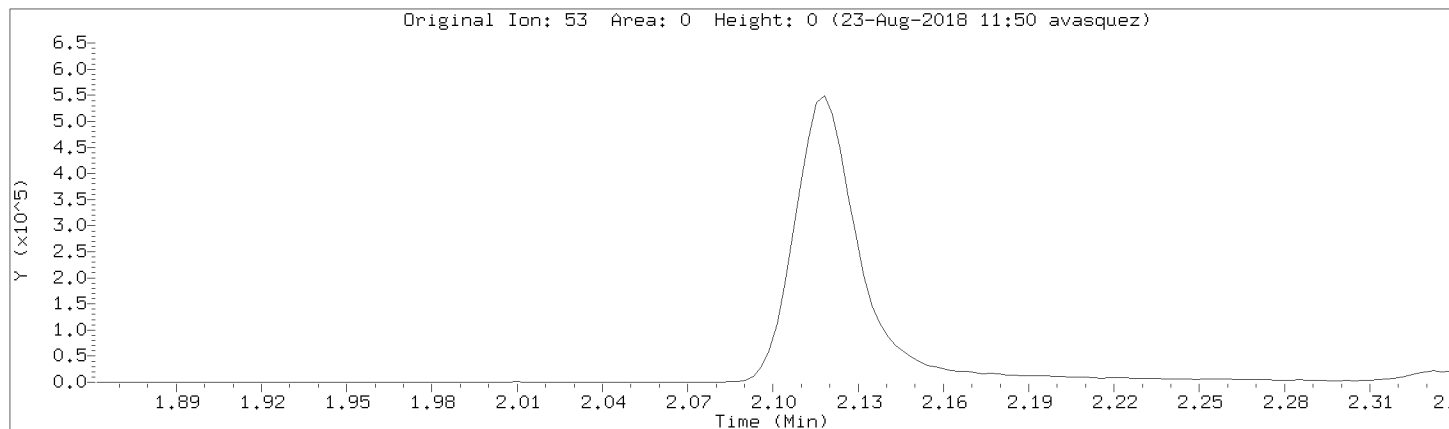
Compound: Acetone Review Code: NI

CAS Number: 67-64-1



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: Acrylonitrile Review Code: NI
CAS Number: 107-13-1



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\09cal.d

Injection Date: 22-AUG-2018 18:07

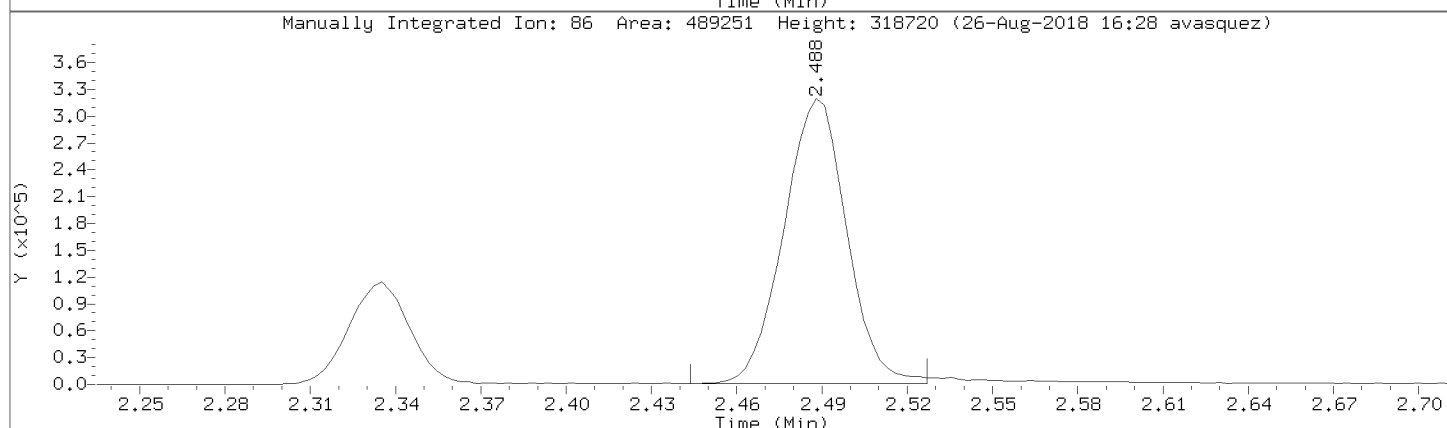
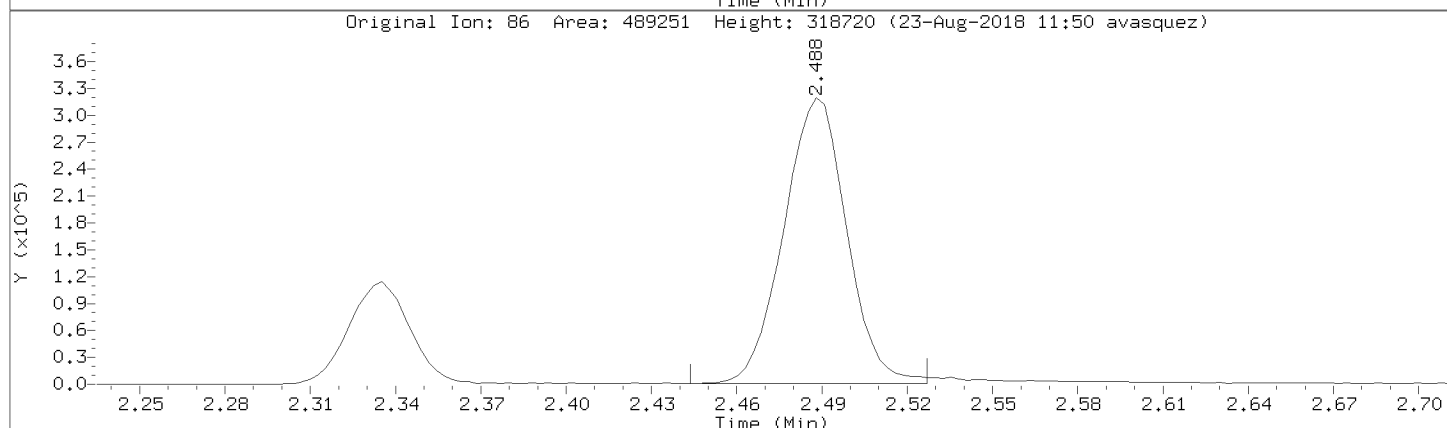
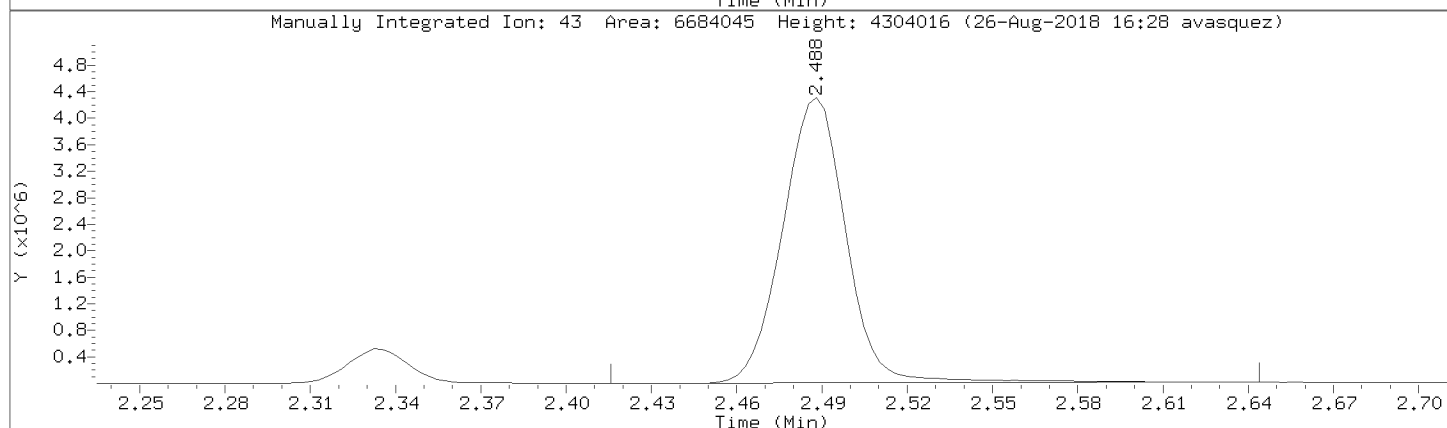
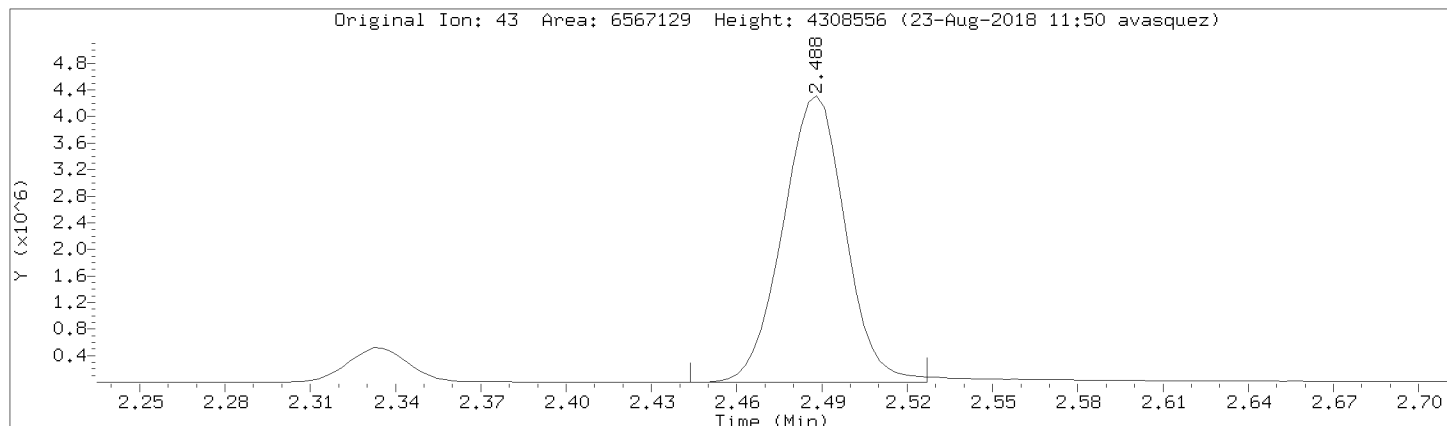
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

Compound: Vinyl Acetate

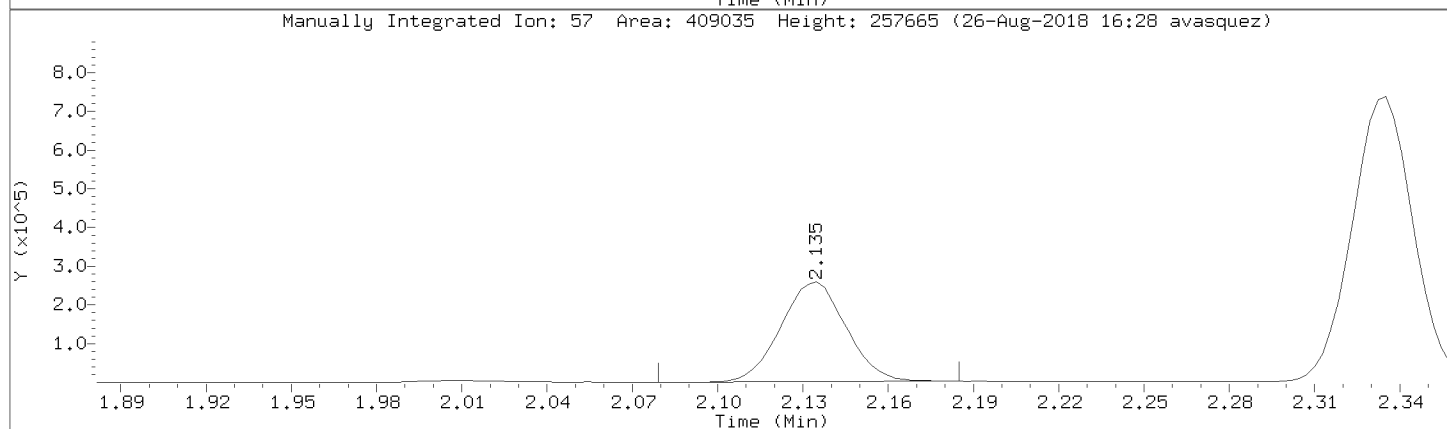
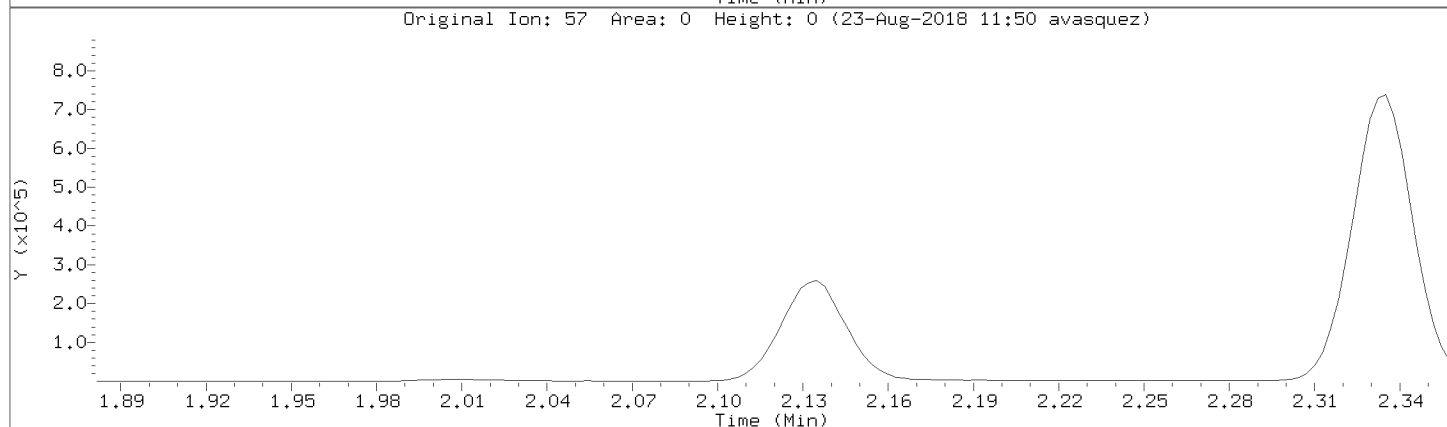
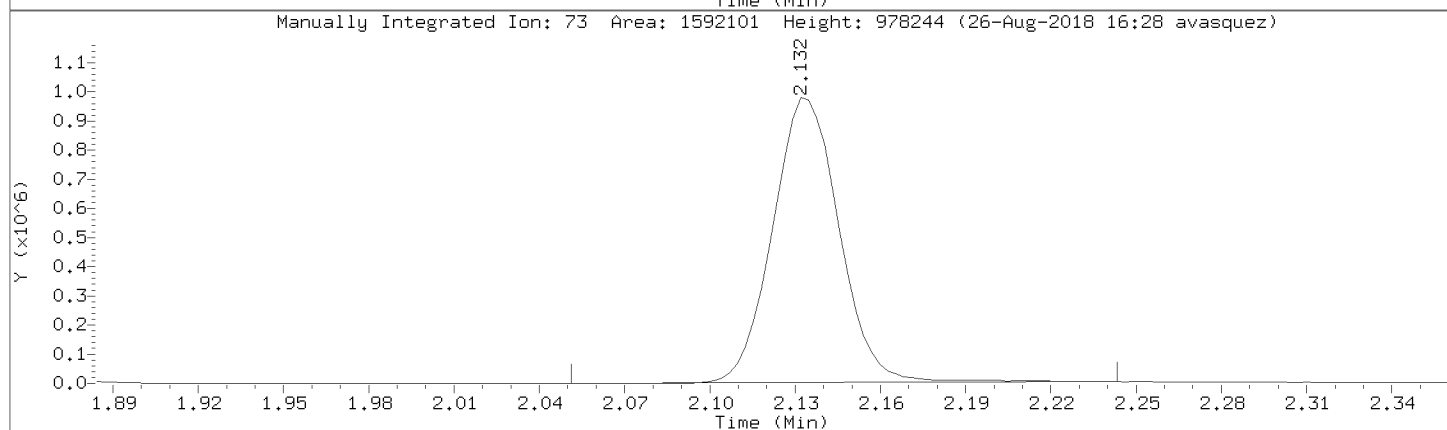
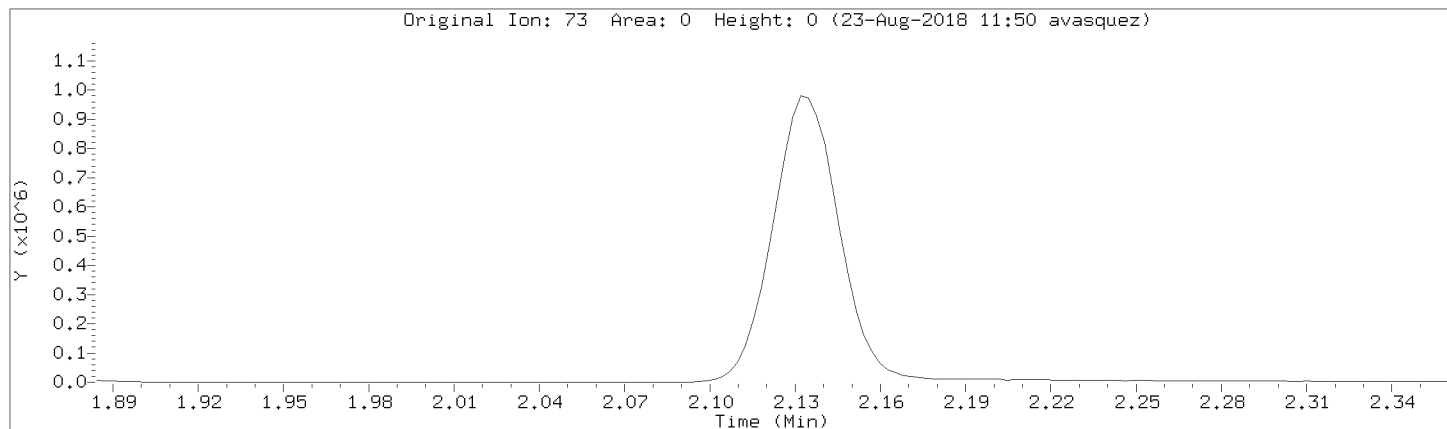
Review Code: WP

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



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a09cal.d

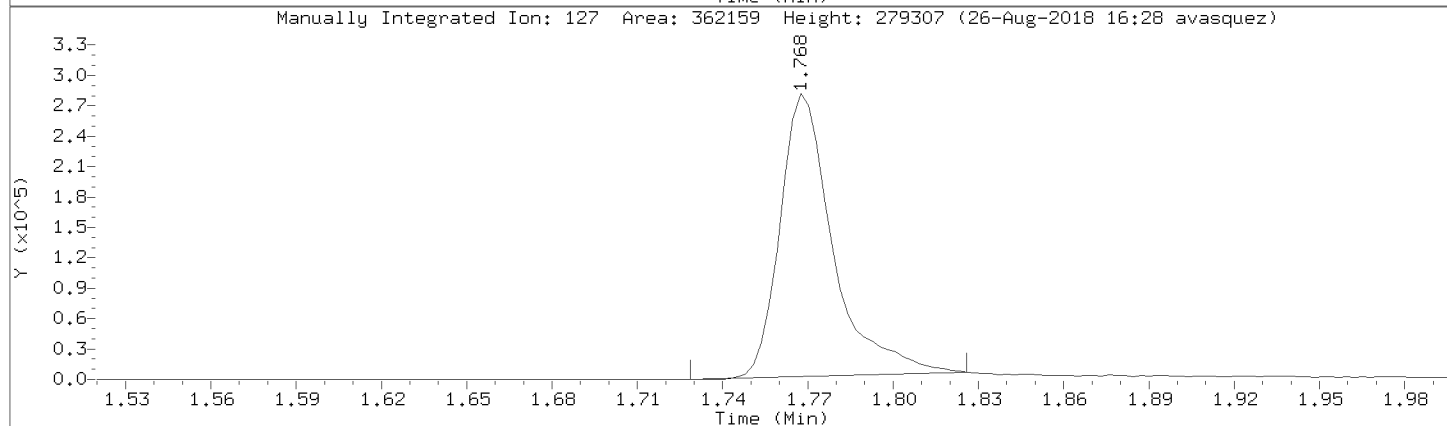
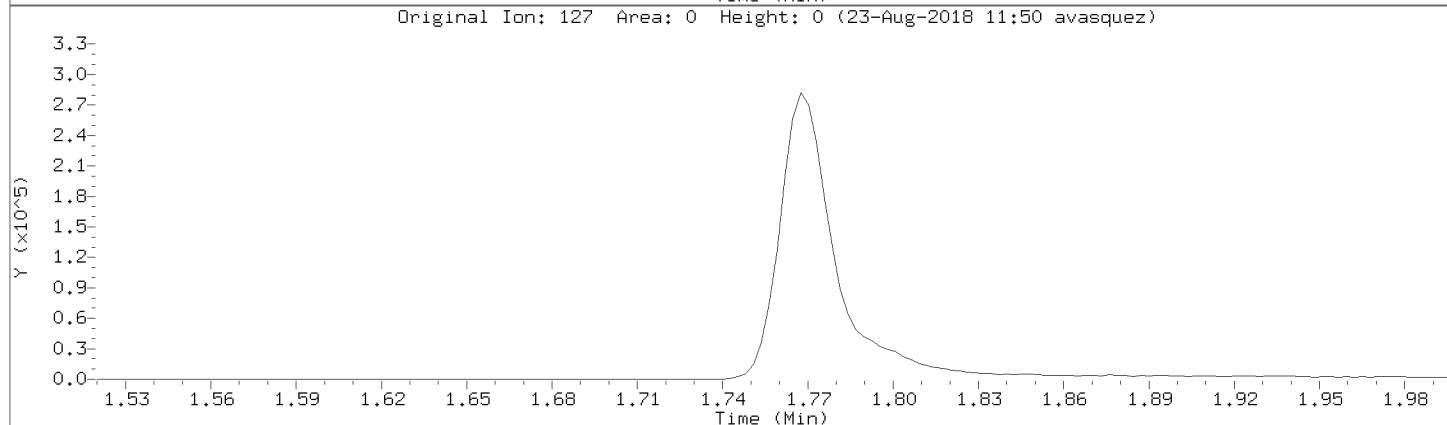
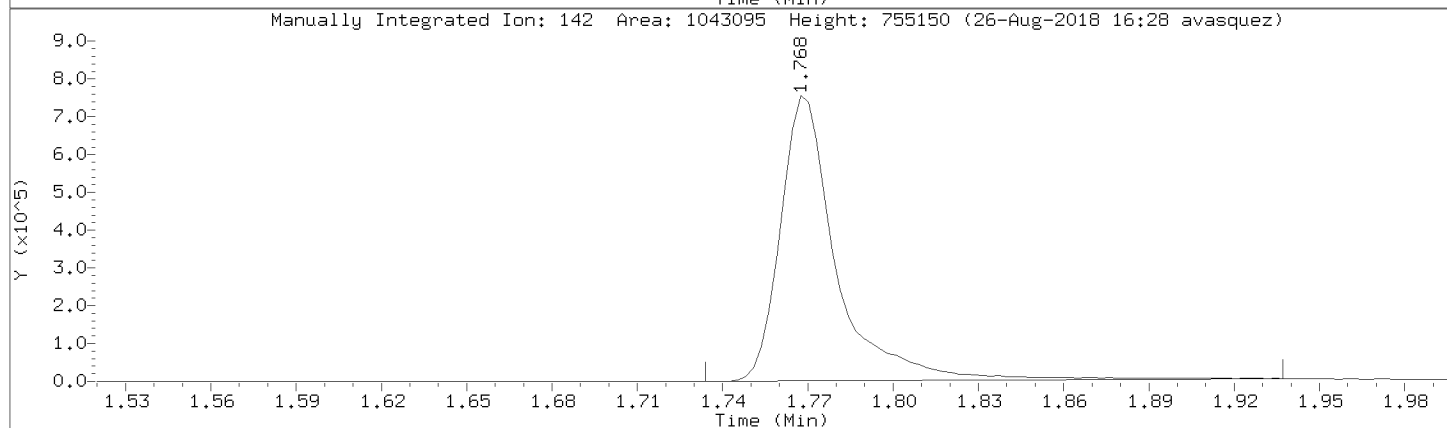
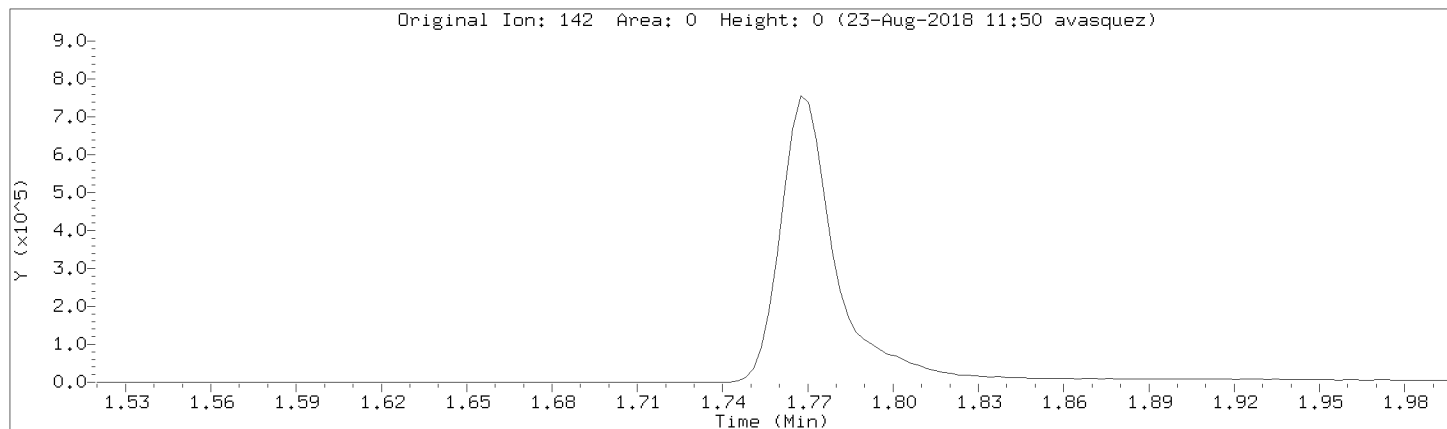
Injection Date: 22-AUG-2018 18:07

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

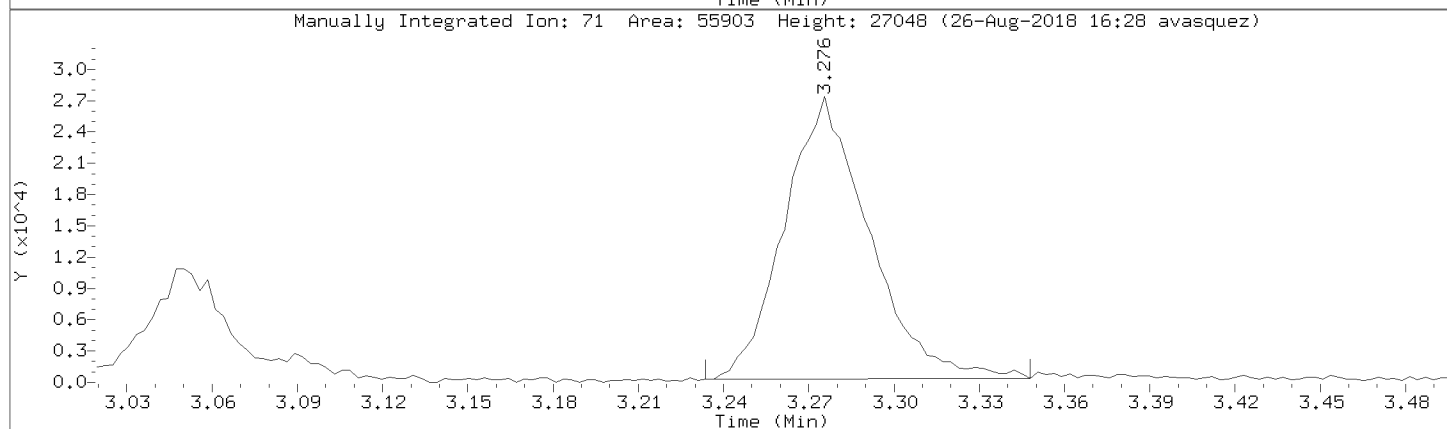
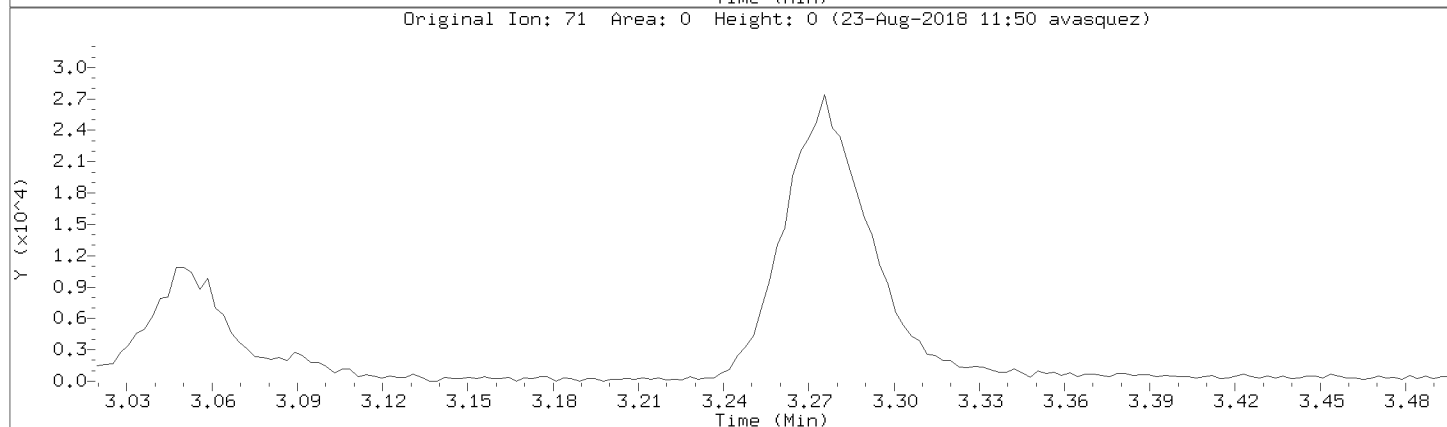
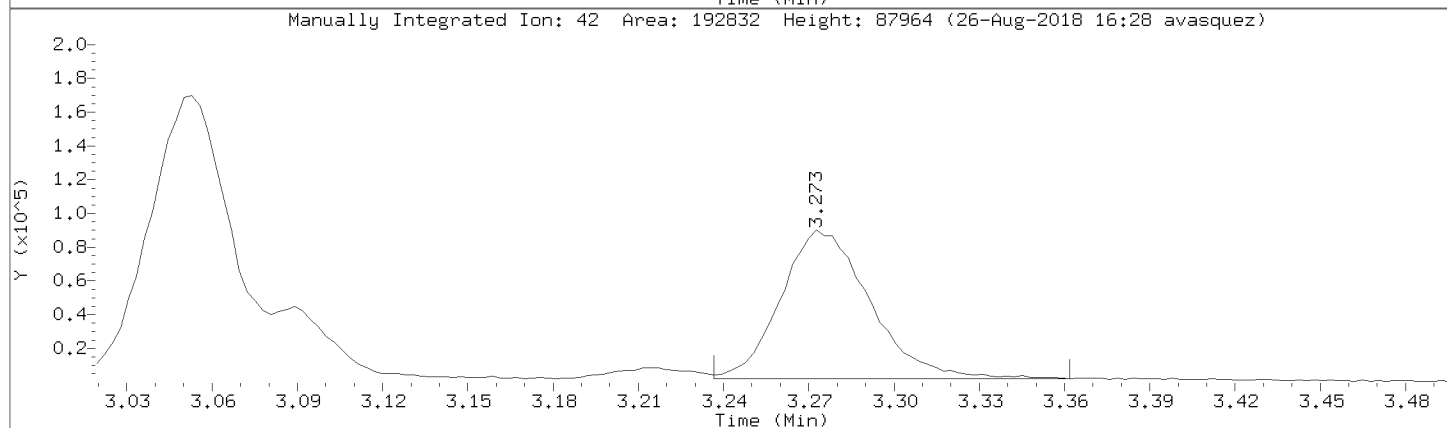
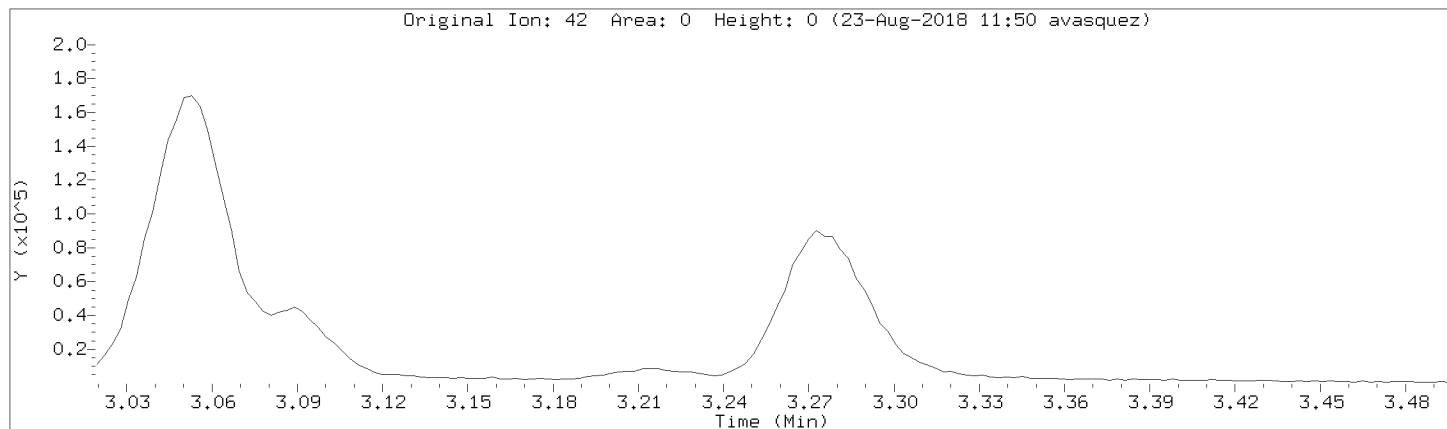
Compound: Iodomethane Review Code: NI

CAS Number:

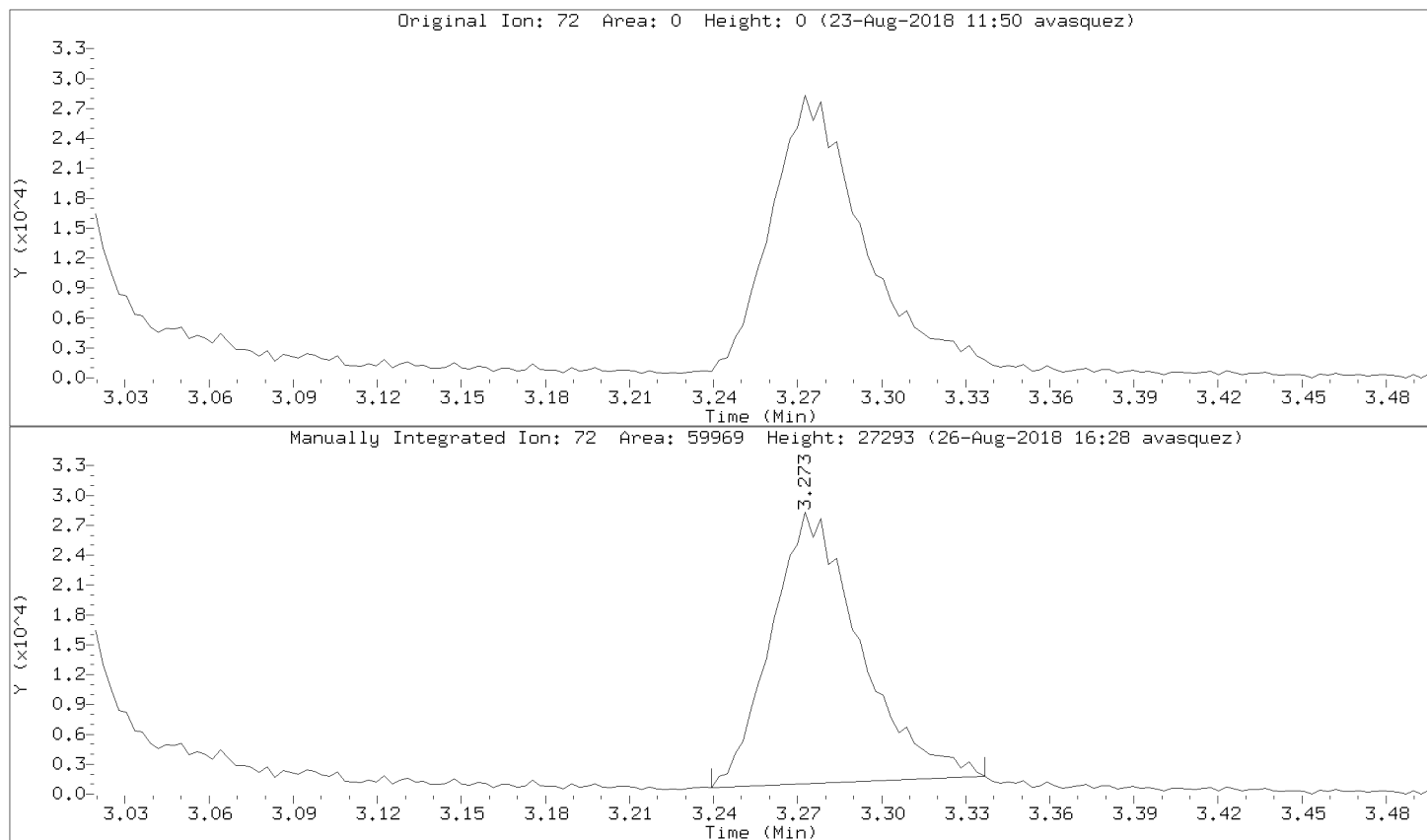


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Injection Date: 22-AUG-2018 18:07
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

Compound: Tetrahydrofuran Review Code: NI
CAS Number:

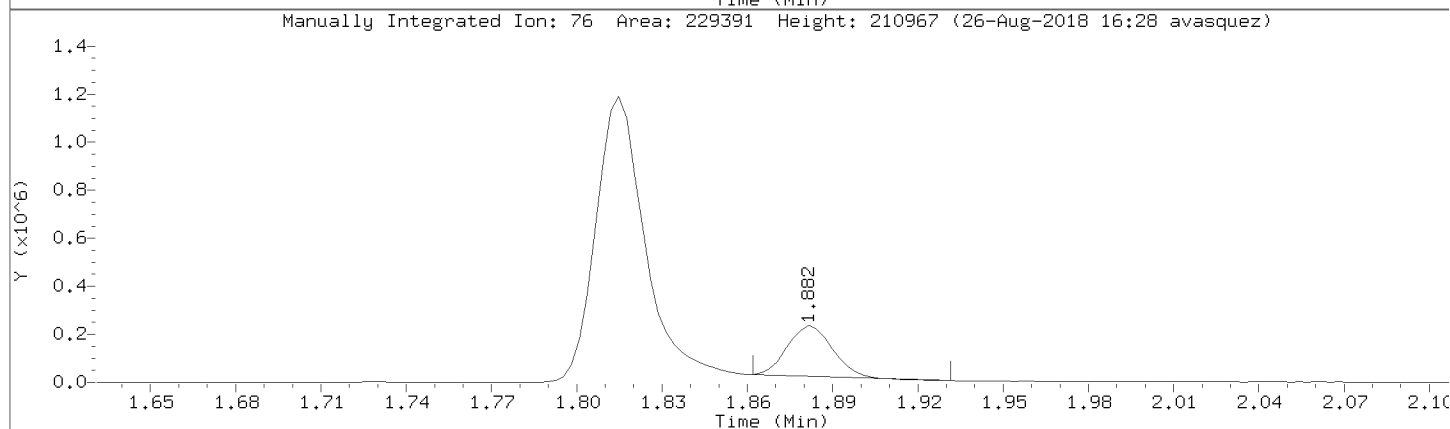
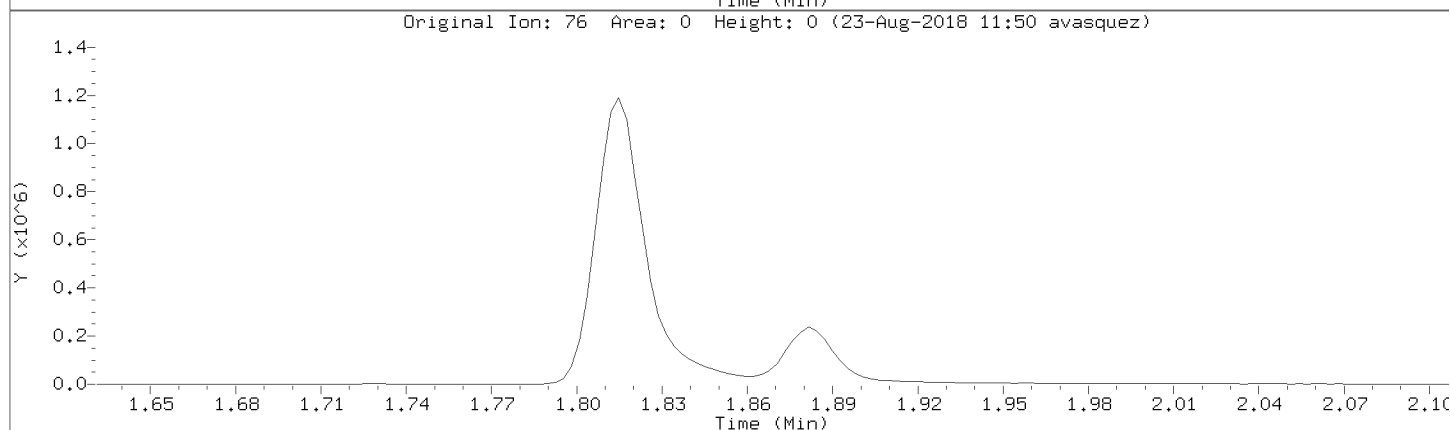
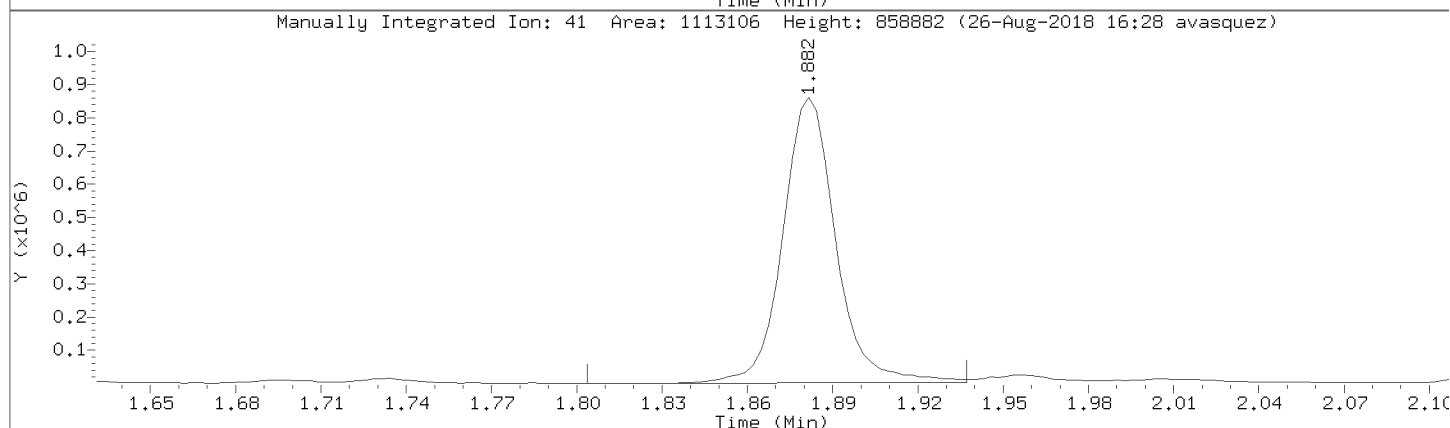
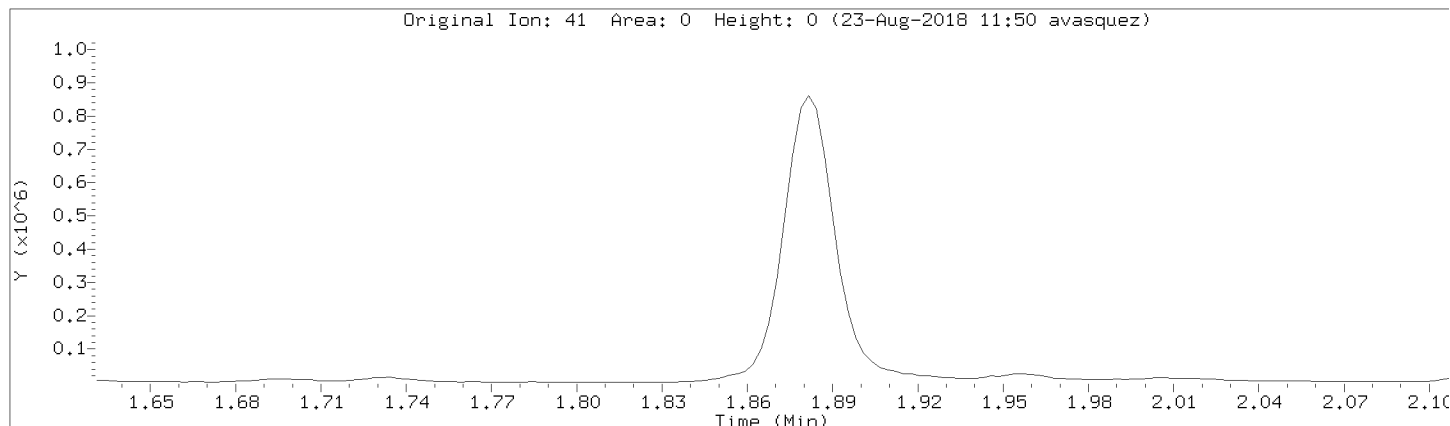


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Injection Date: 22-AUG-2018 18:07
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8



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

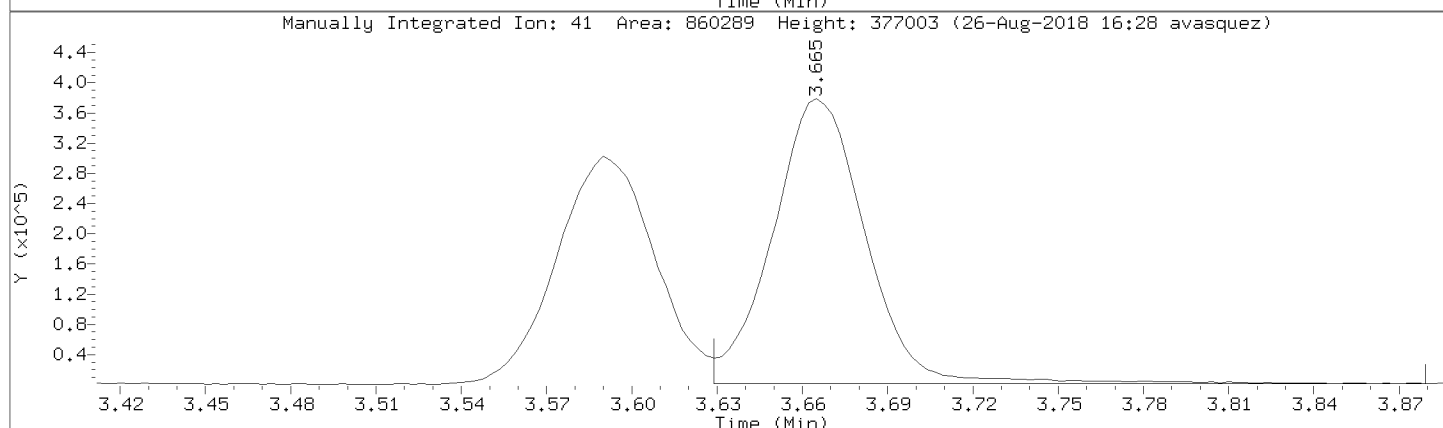
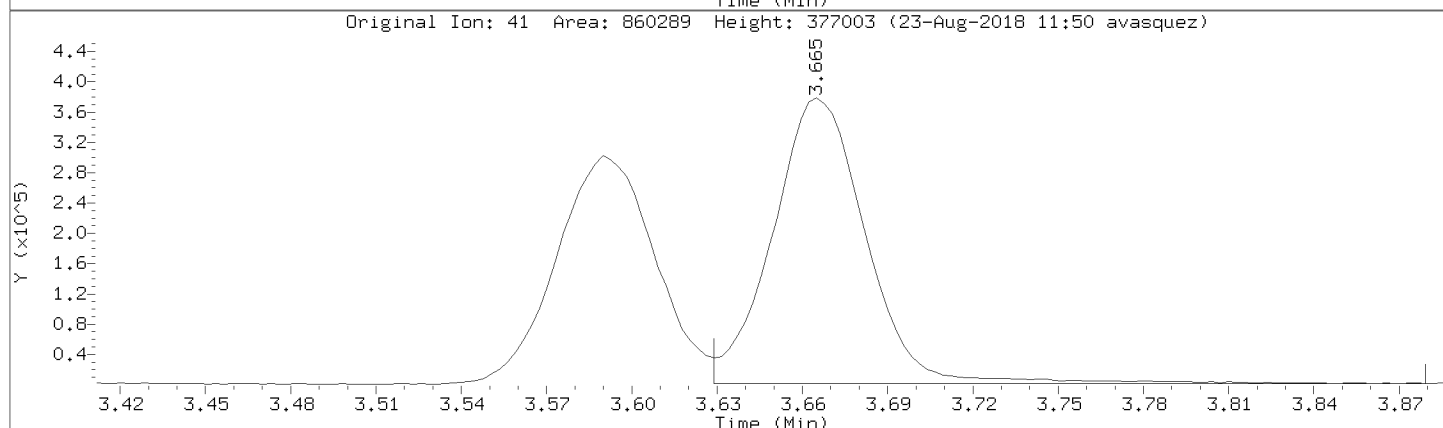
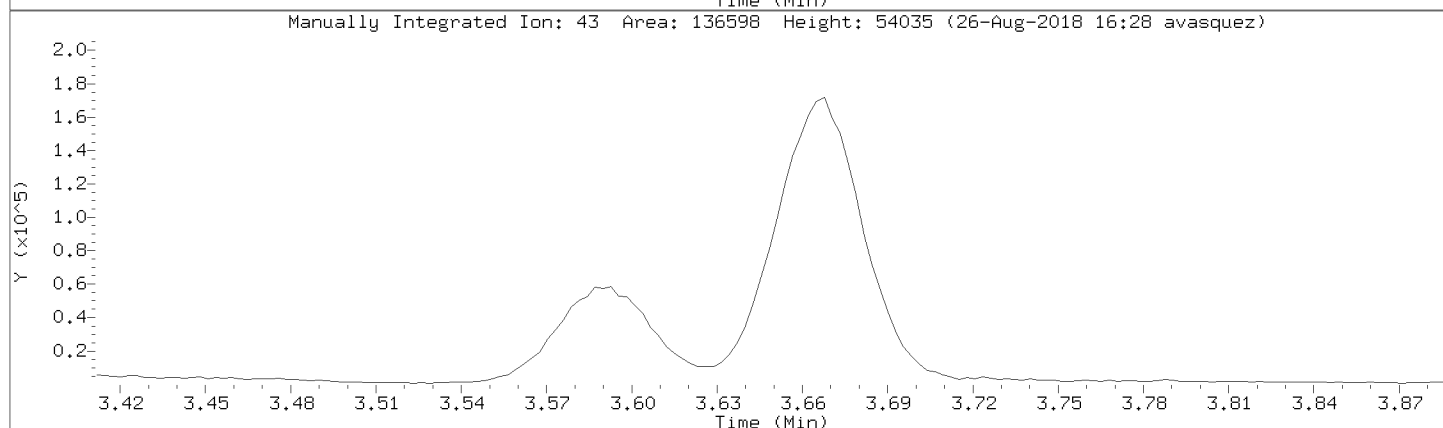
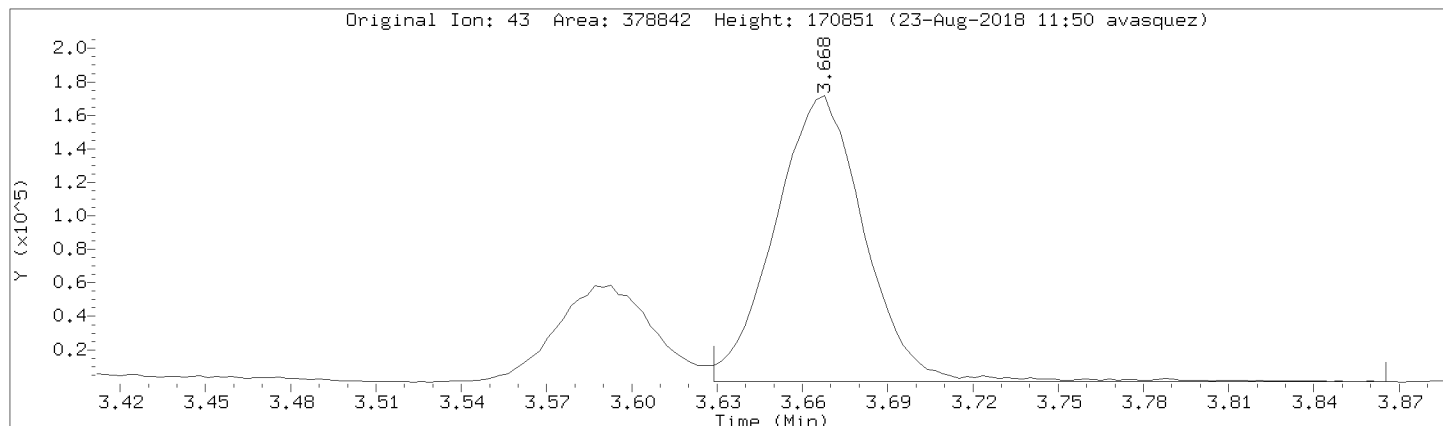
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

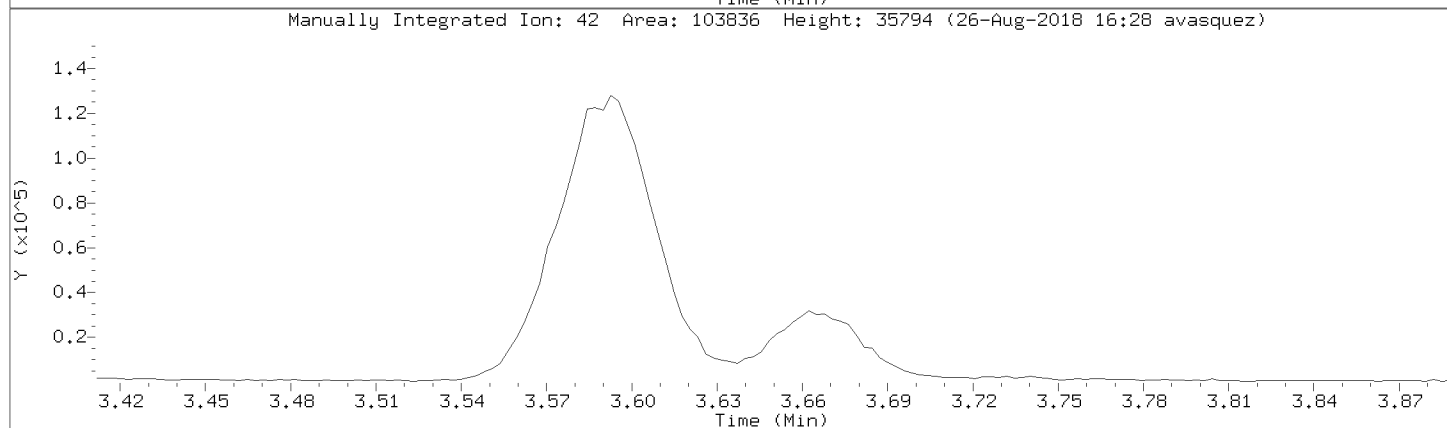
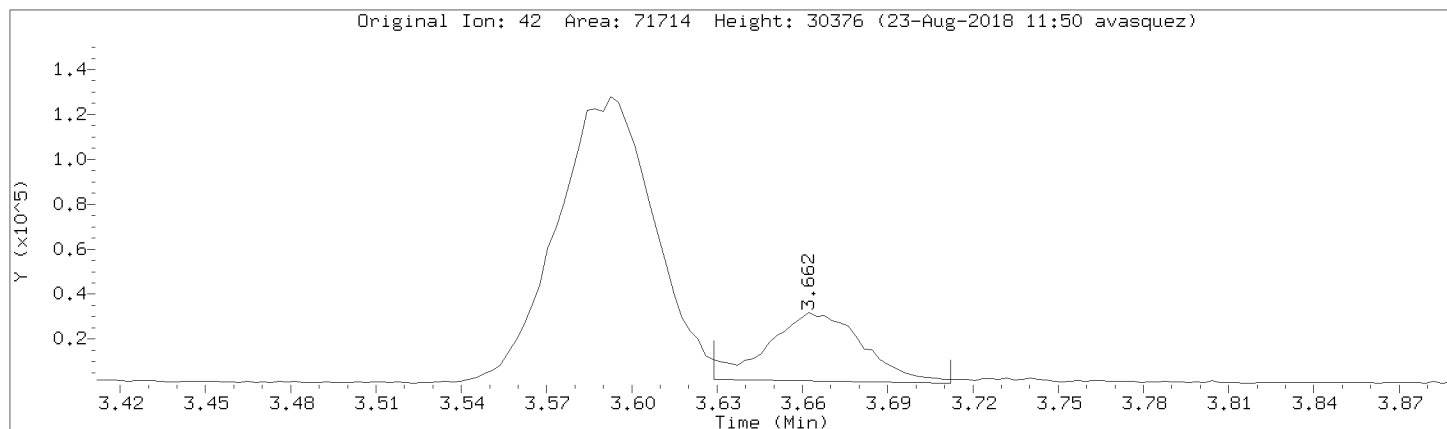
Compound: Isobutyl alcohol

Review Code: NI

CAS Number: 78-83-1



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

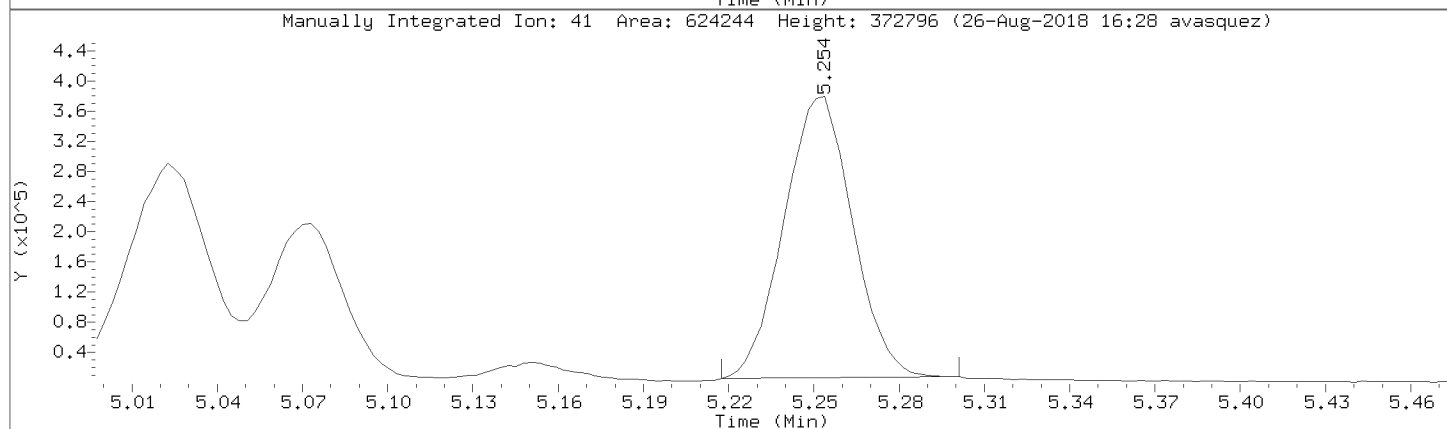
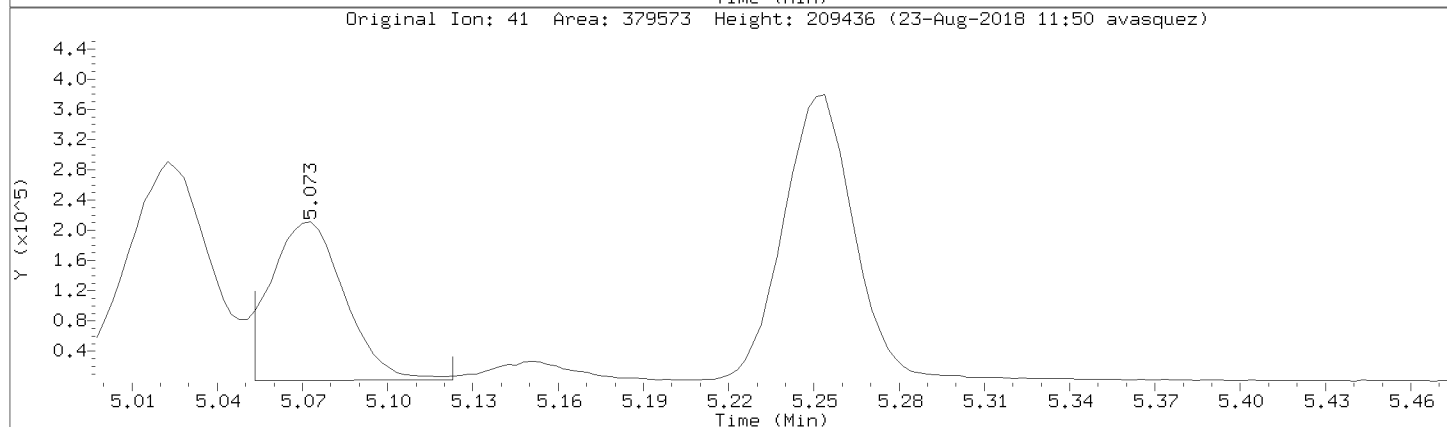
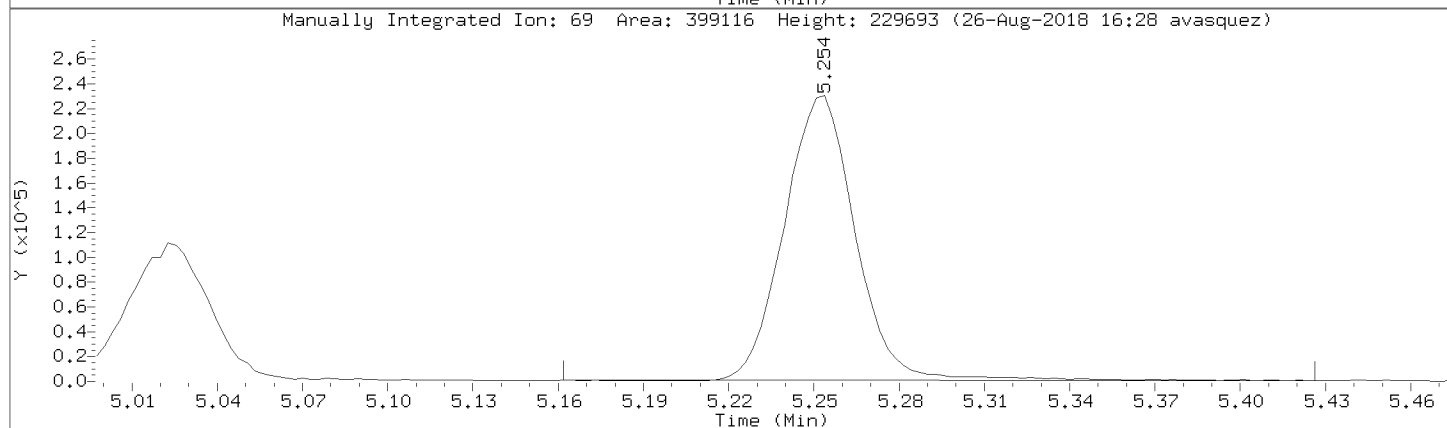
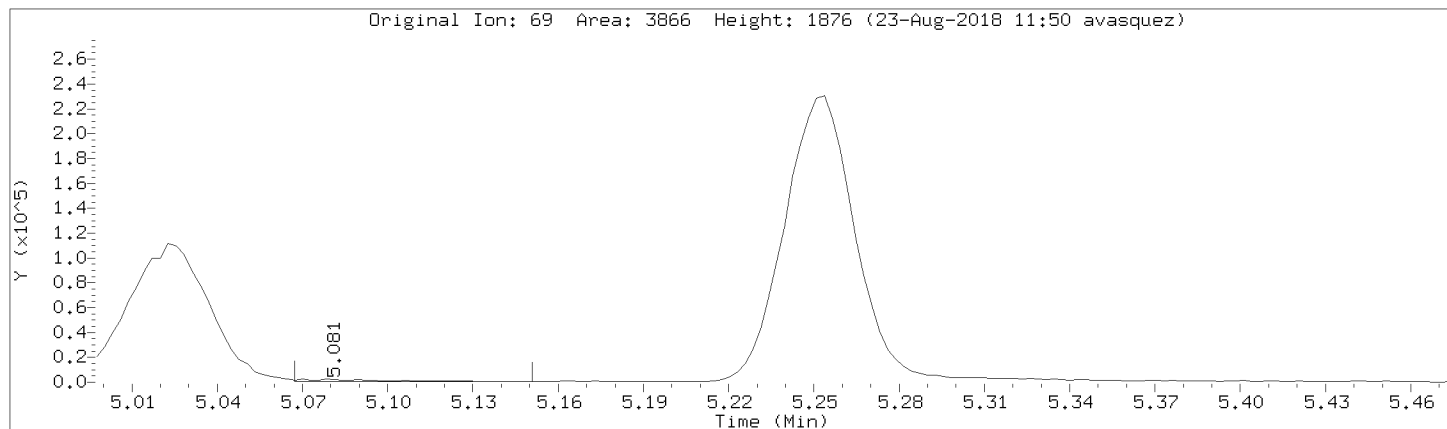
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

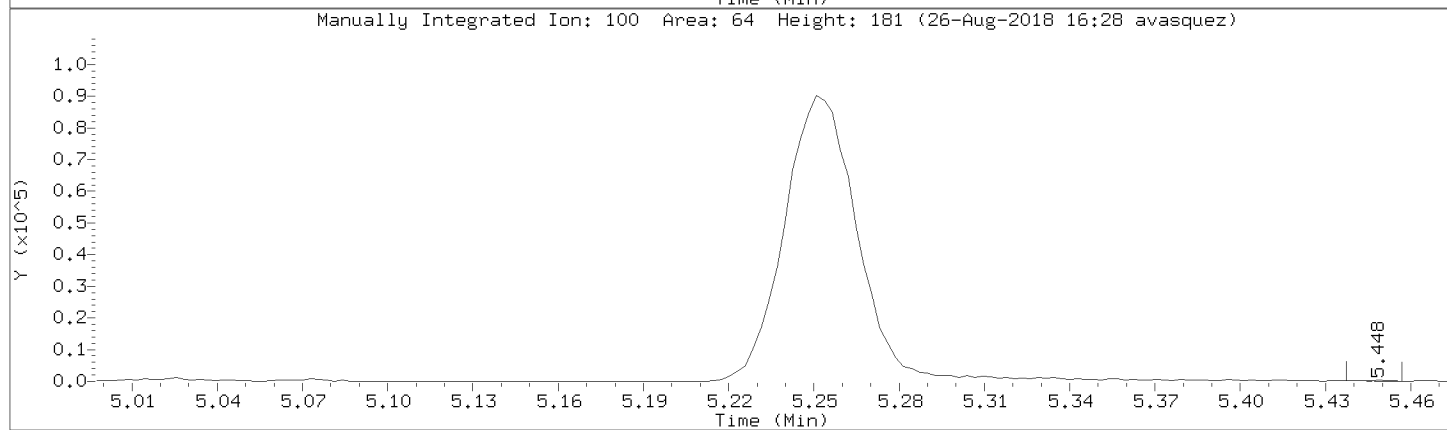
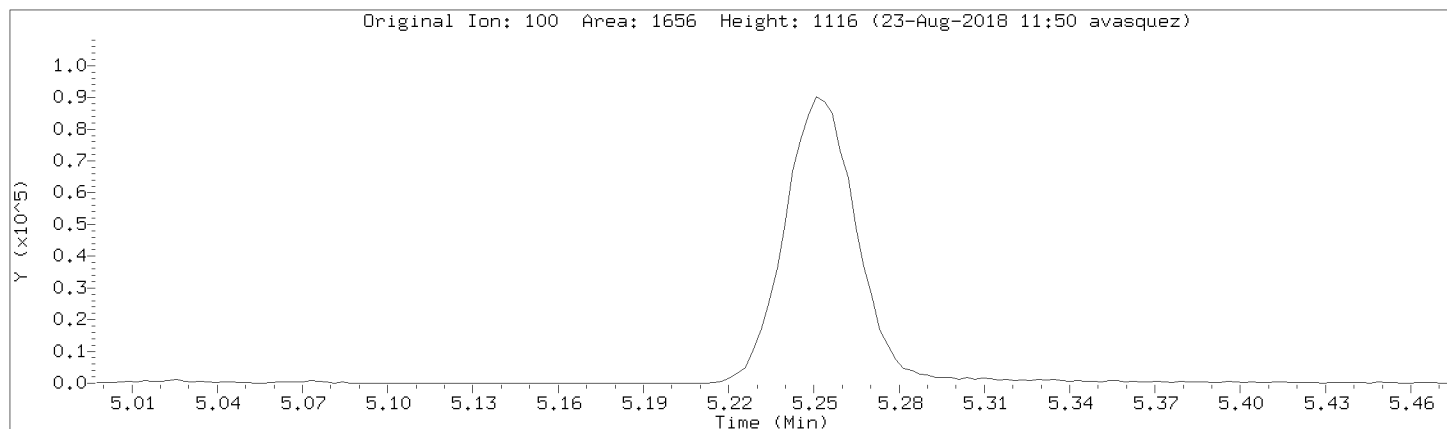
Compound: Methyl methacrylate

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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Injection Date: 22-AUG-2018 18:07

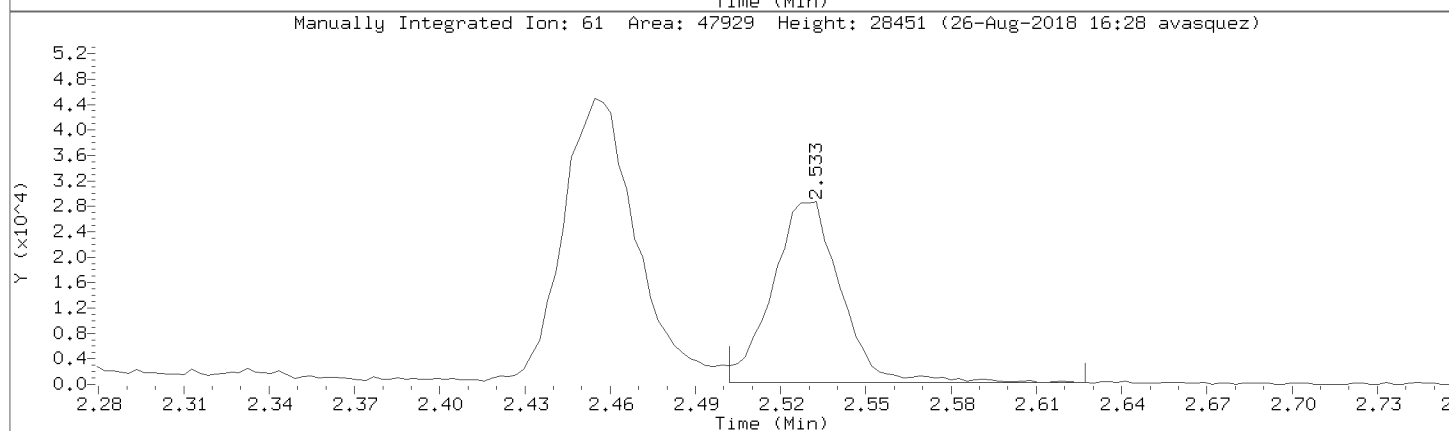
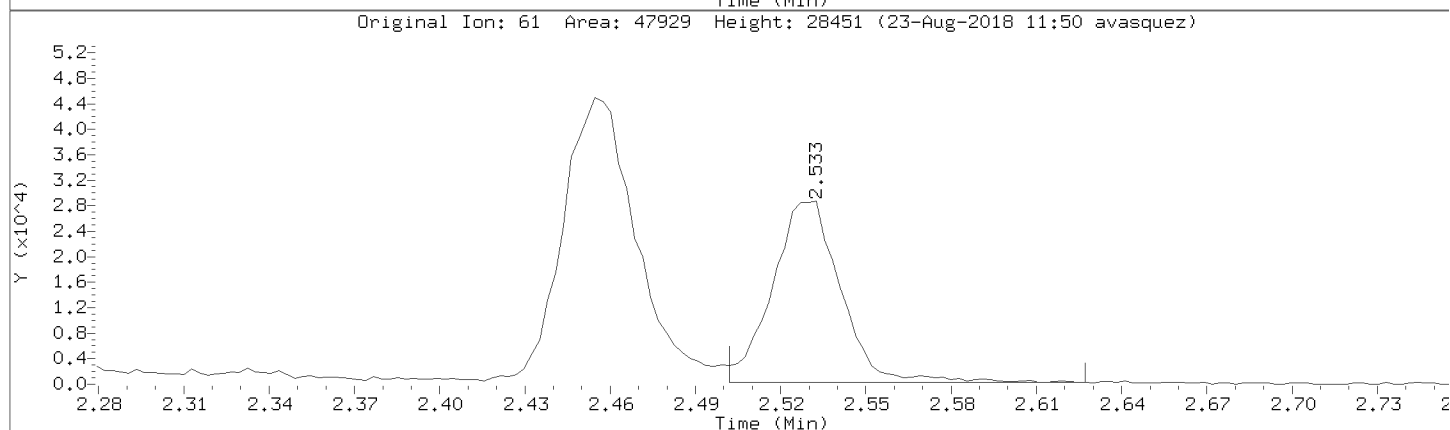
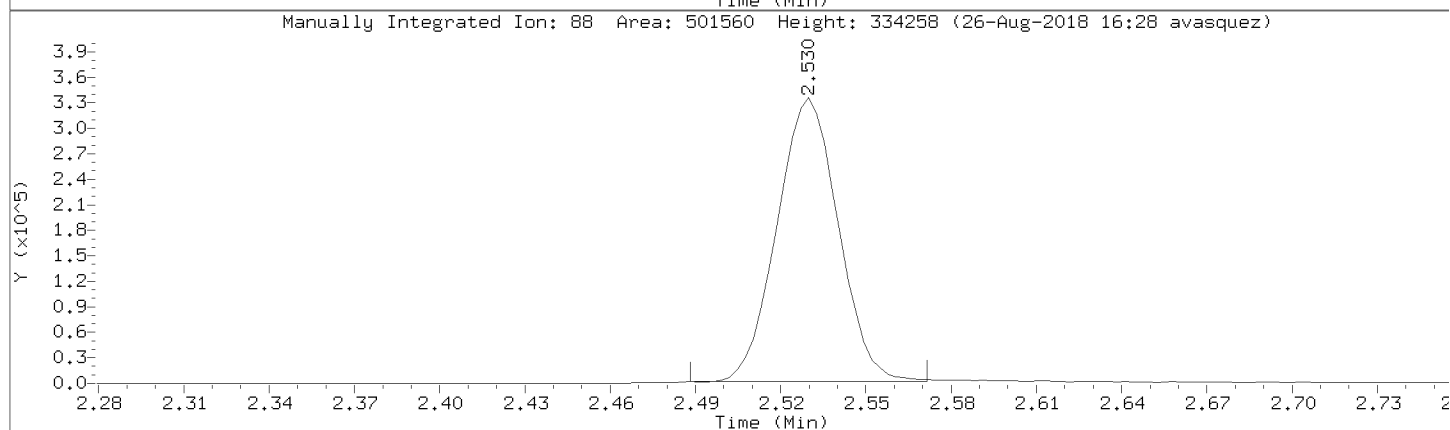
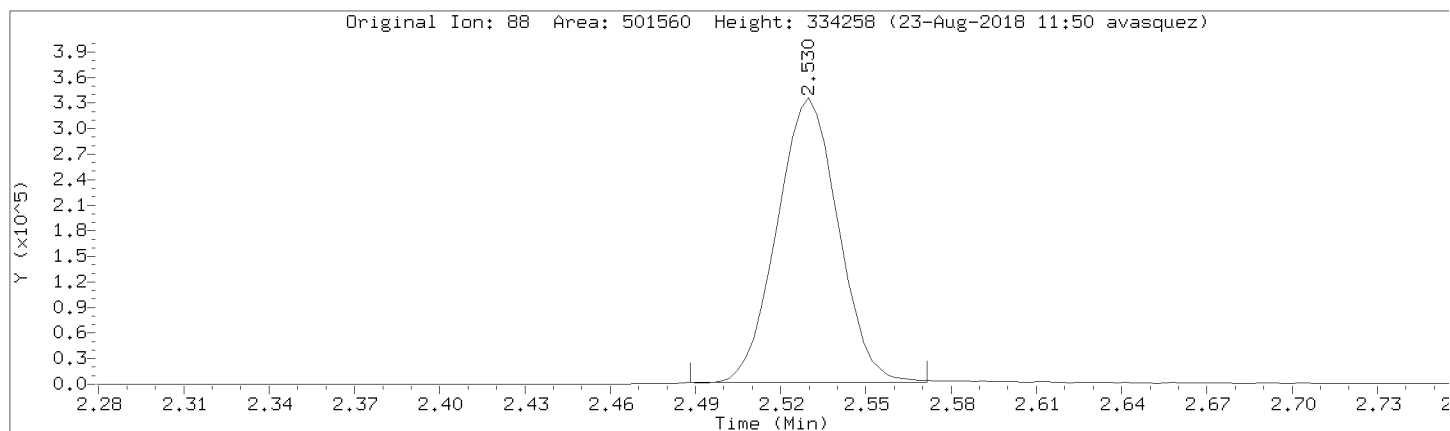
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

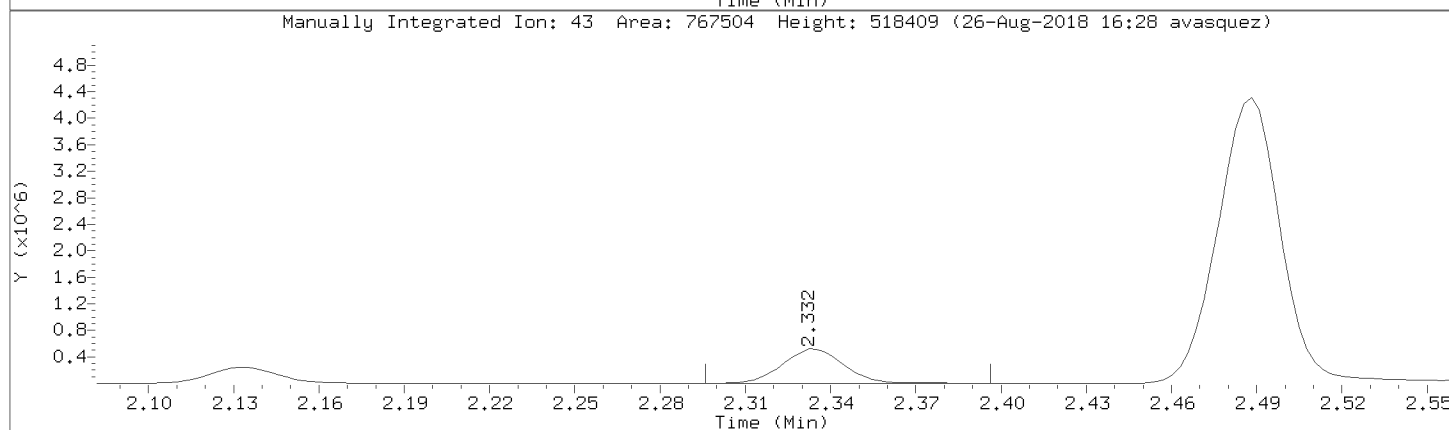
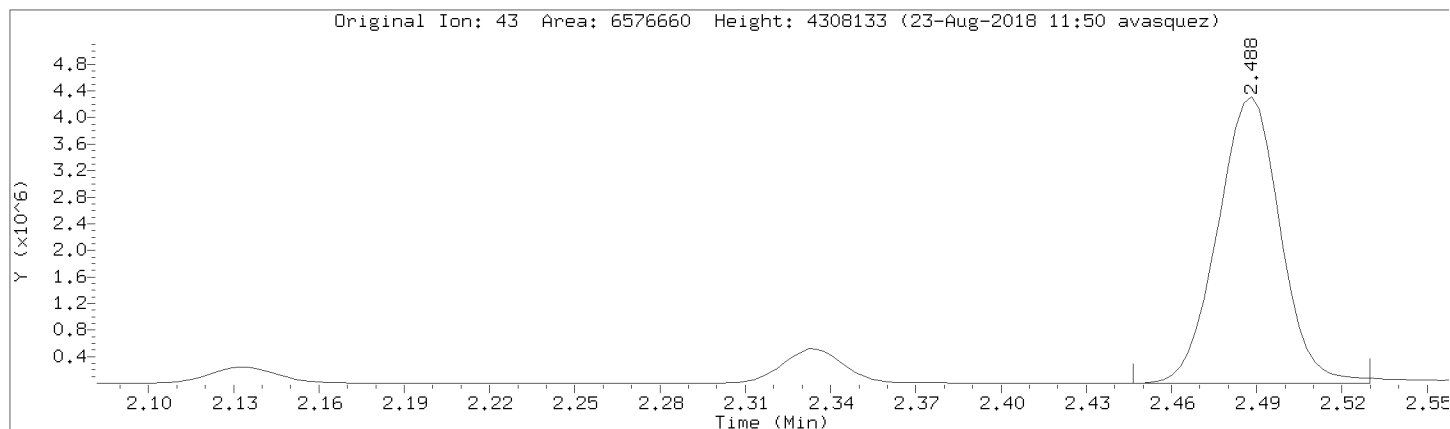
Compound: Ethyl acetate

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

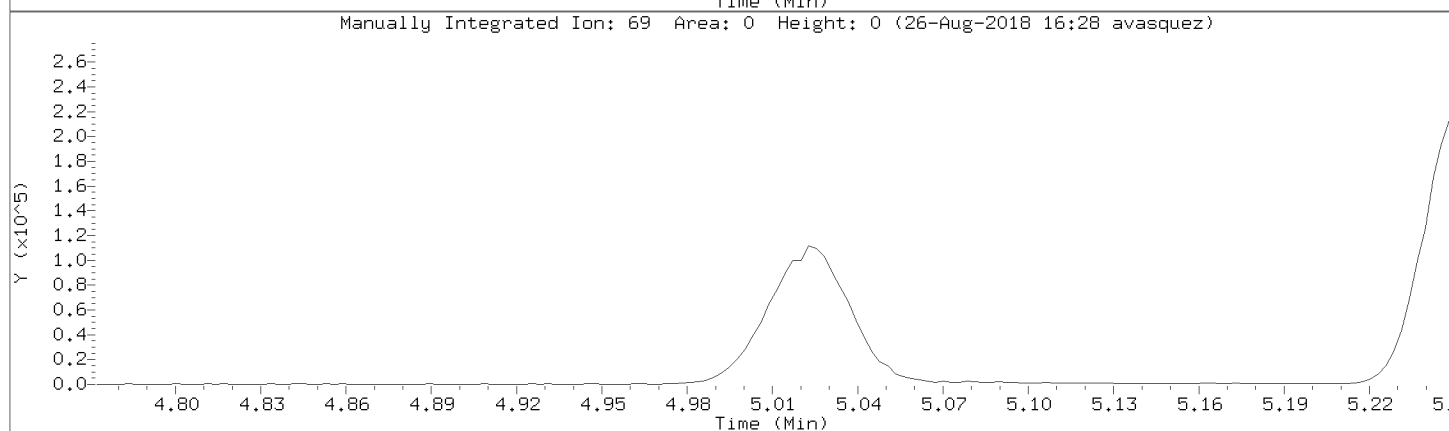
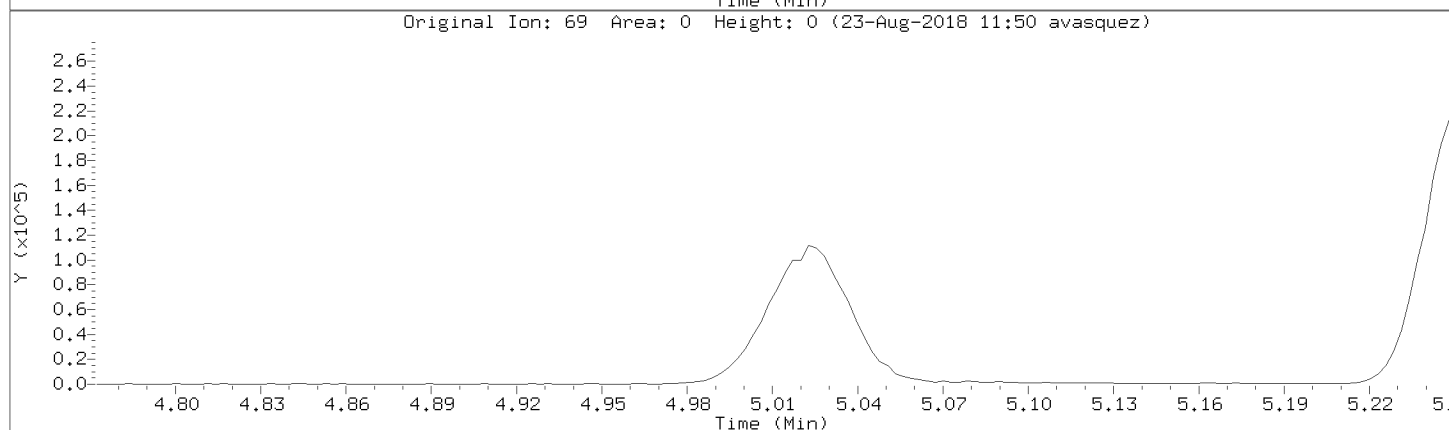
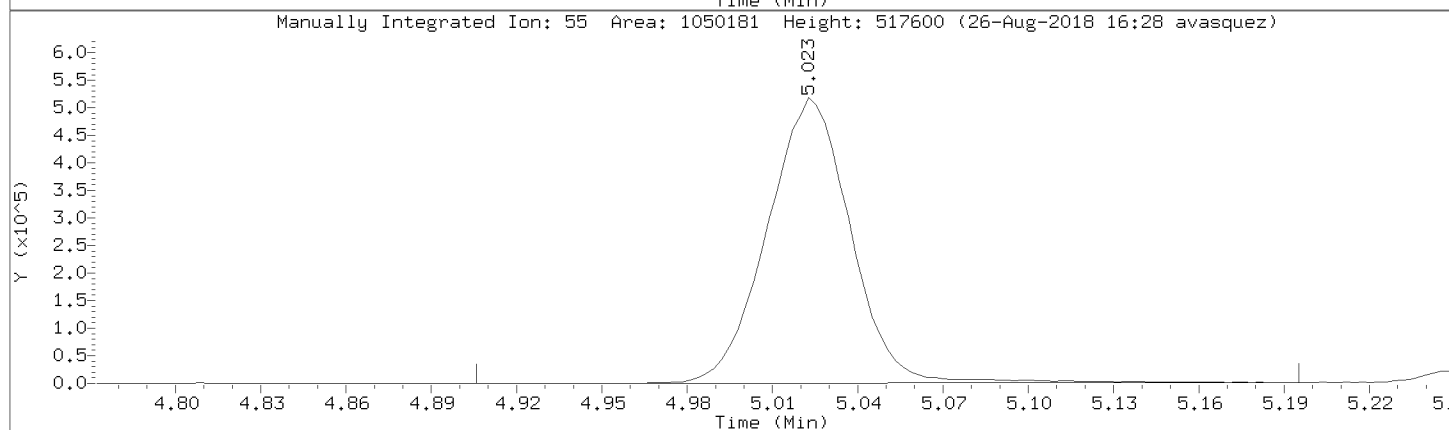
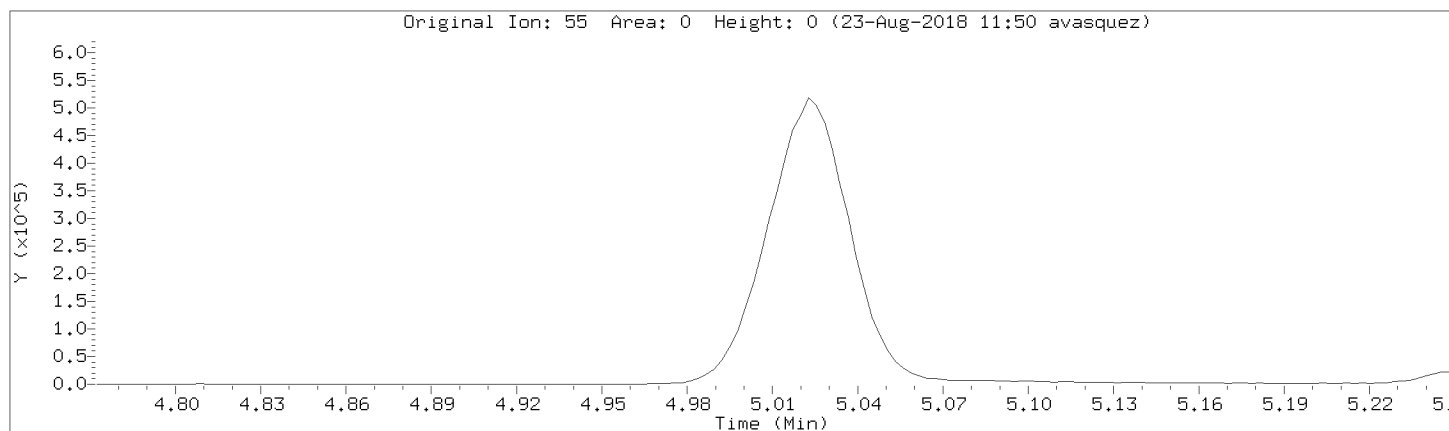
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

Compound: Methylcyclohexane

Review Code:

CAS Number: 108-87-2

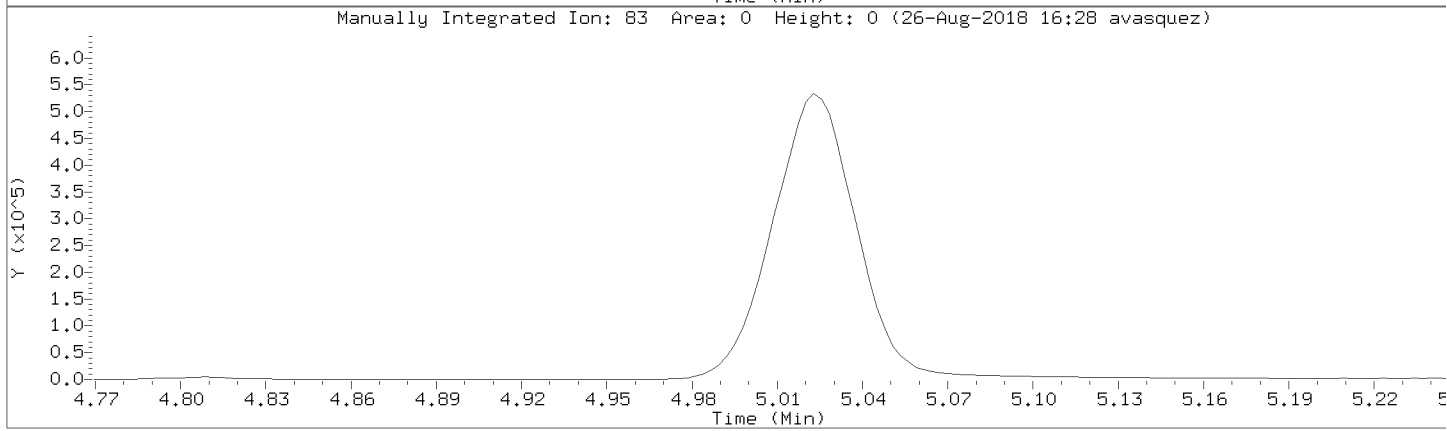
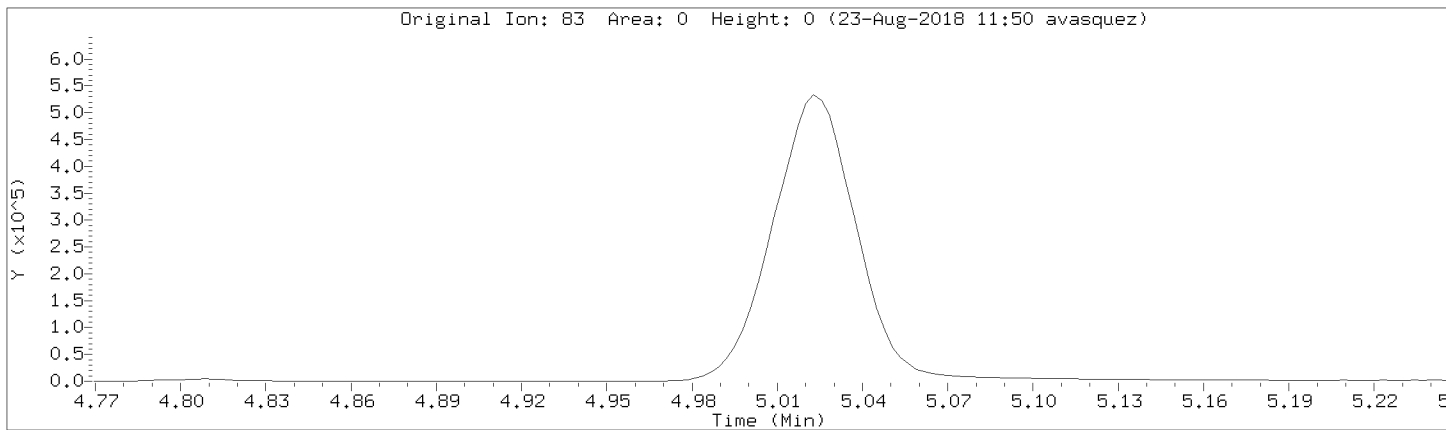


Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a09cal.d

Injection Date: 22-AUG-2018 18:07

Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8



Data File: \\192.168.50.6\chem\50mv2a.i\082218.b\09cal.d

Injection Date: 22-AUG-2018 18:07

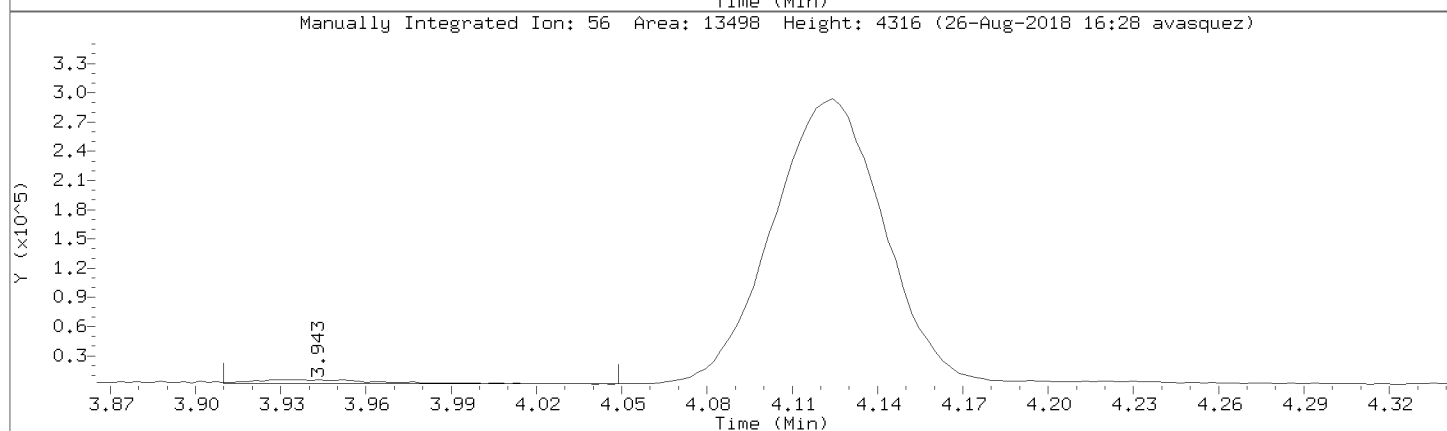
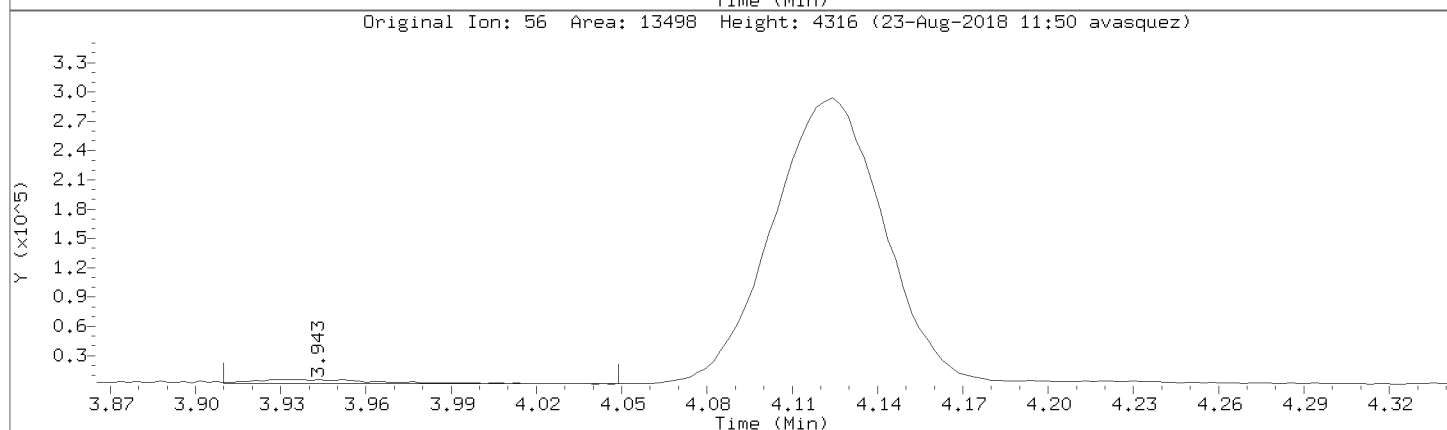
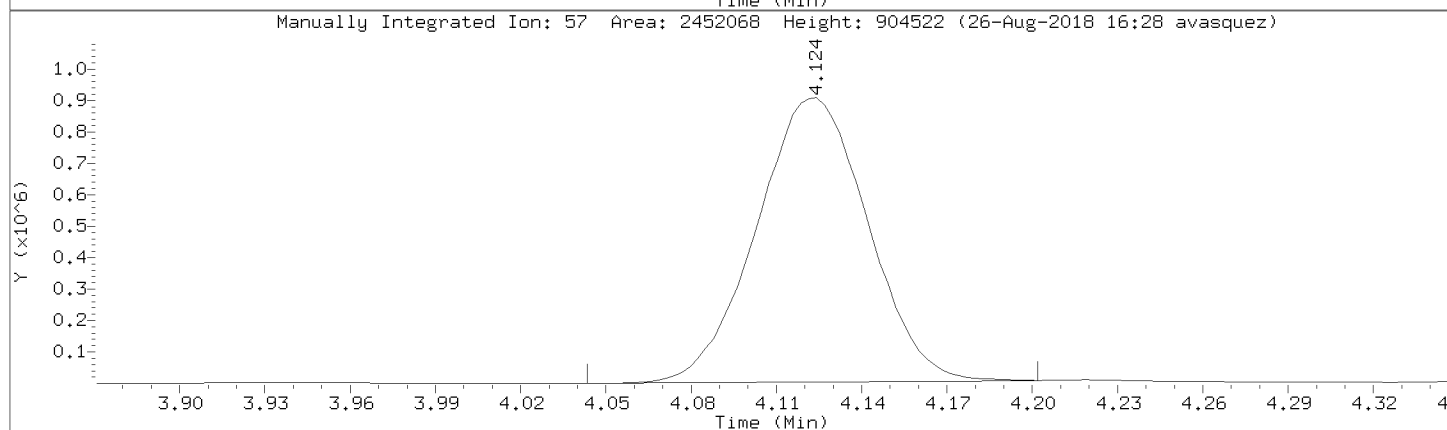
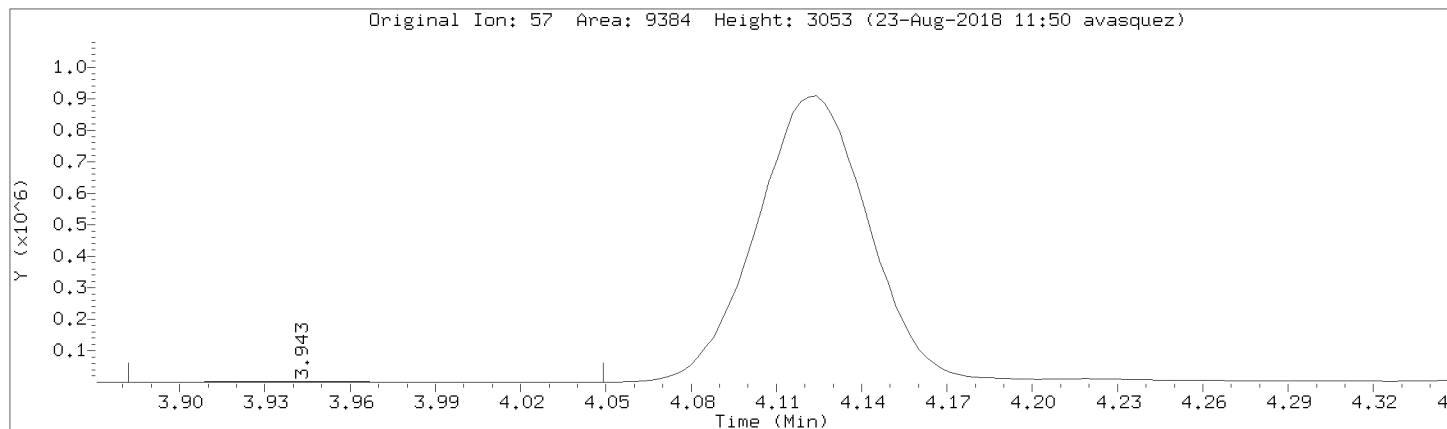
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

Compound: 2,2,4-Trimethylpentane

Review Code: NI

CAS Number: 540-84-1



Data File: \\192.168.50.6\chem\50mv2a.i\a082218.b/a09cal.d

Injection Date: 22-AUG-2018 18:07

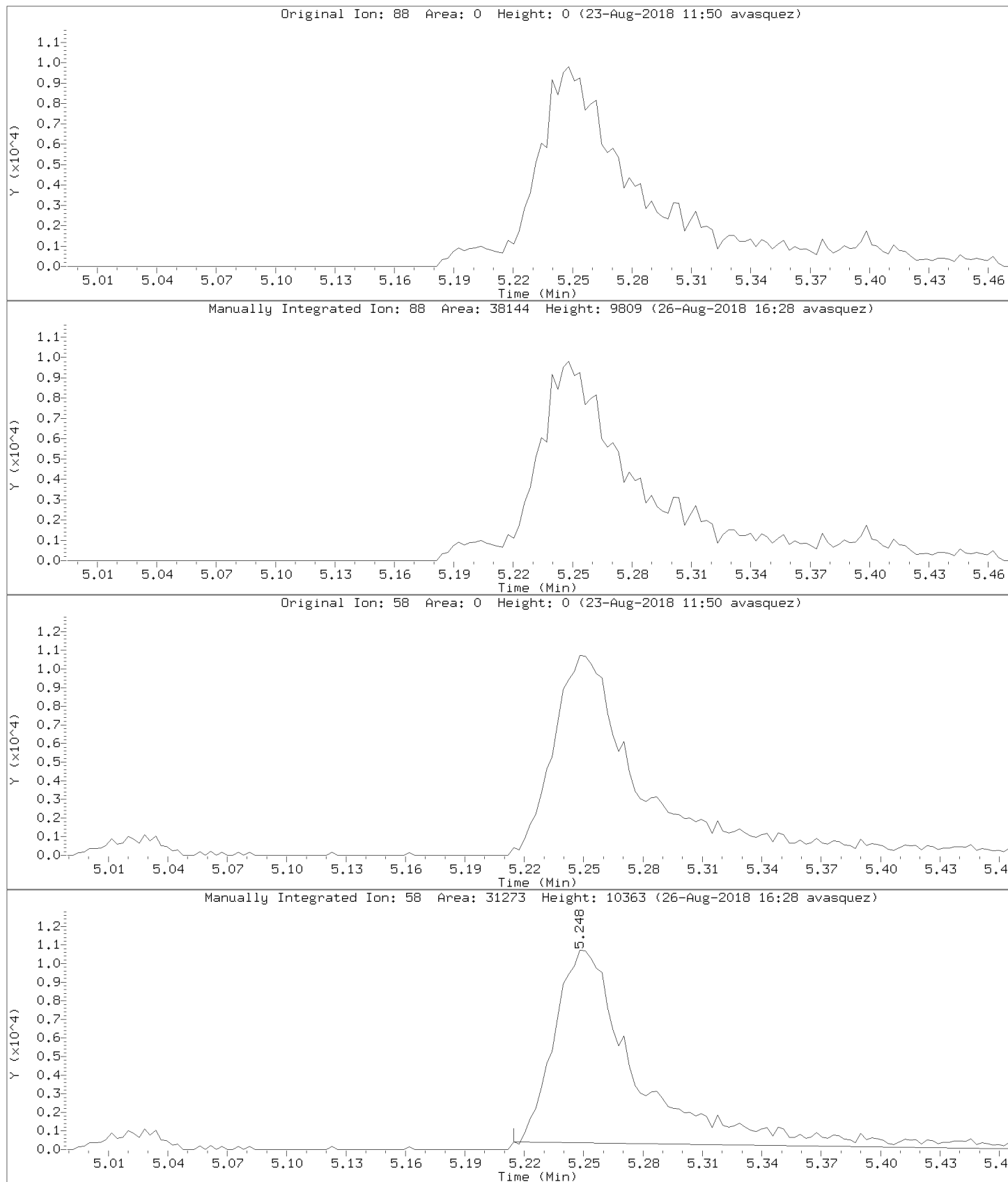
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

Compound: 1,4-Dioxane

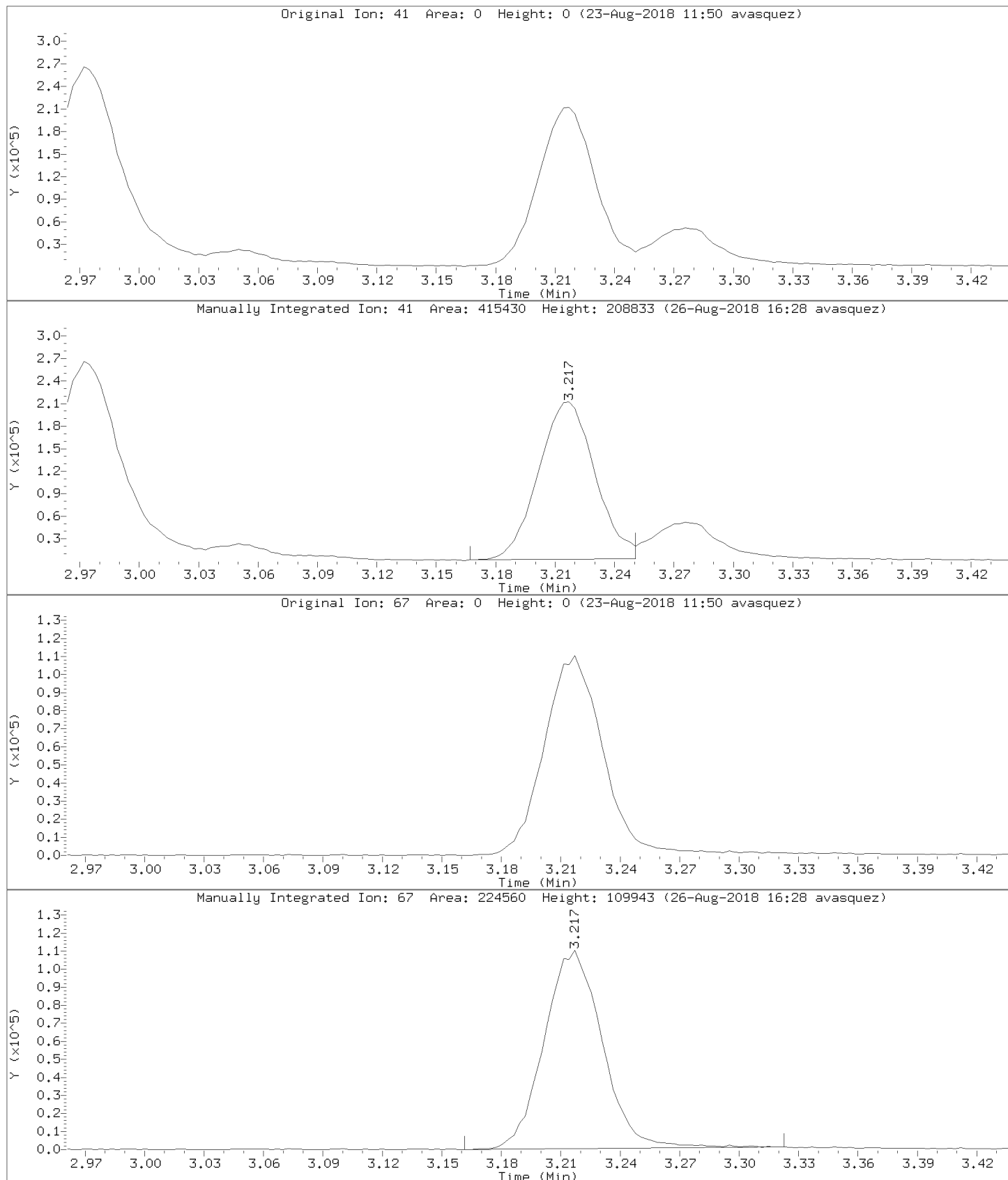
Review Code: NI

CAS Number:

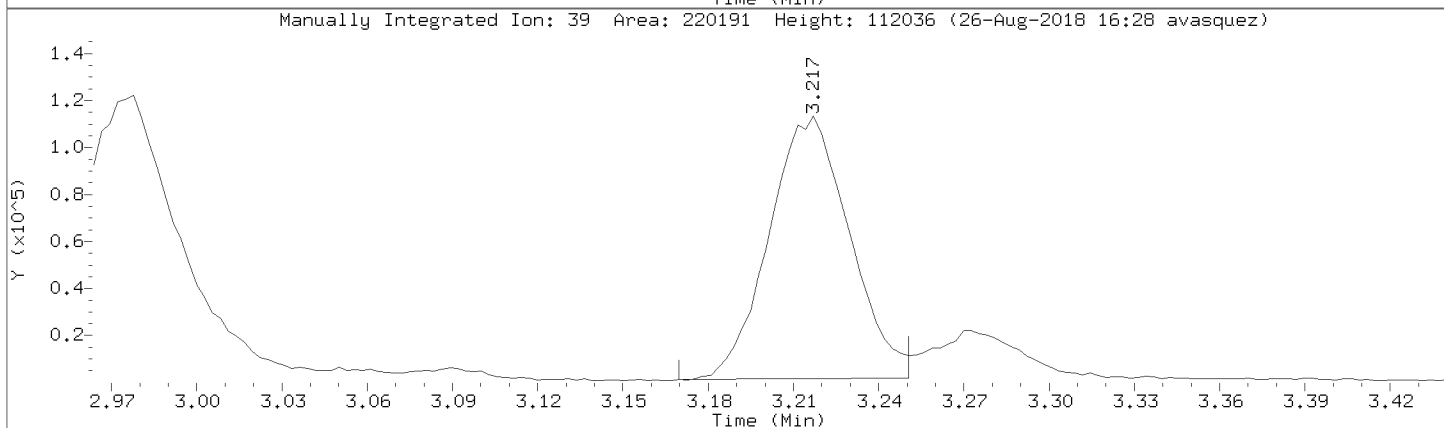
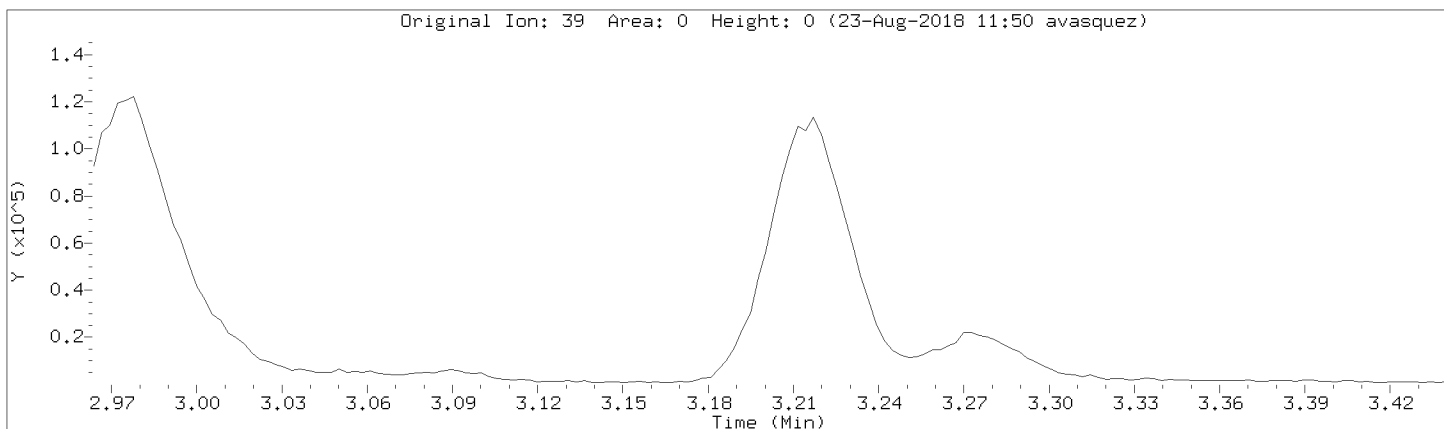


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Injection Date: 22-AUG-2018 18:07
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8

Compound: 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

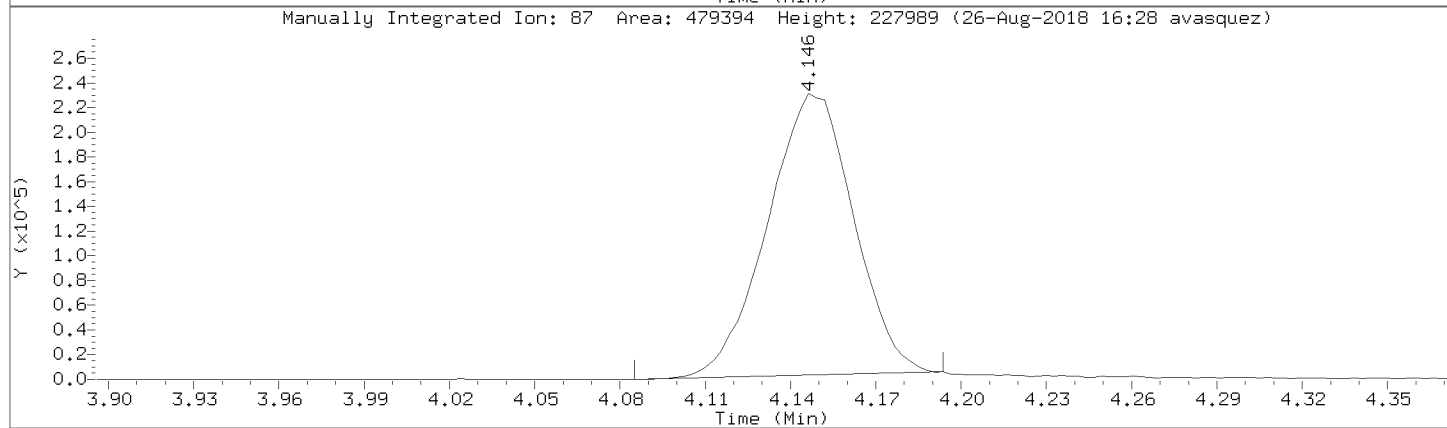
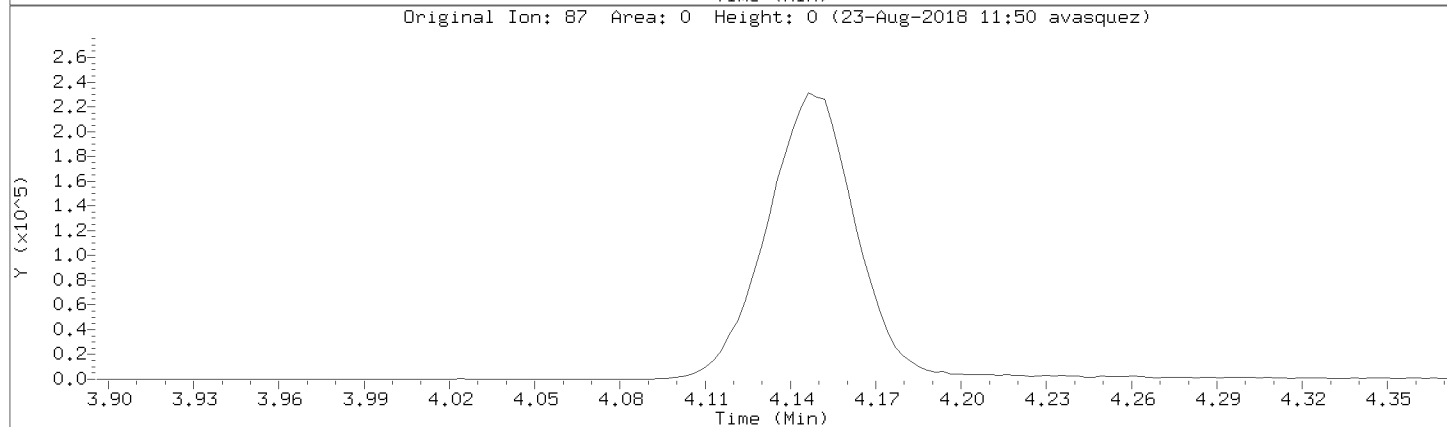
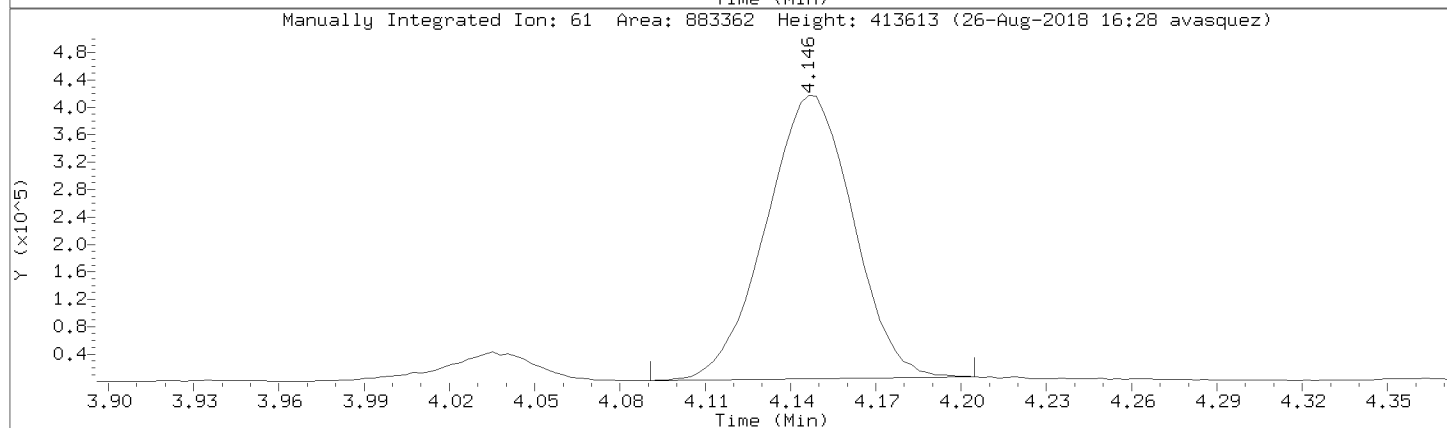
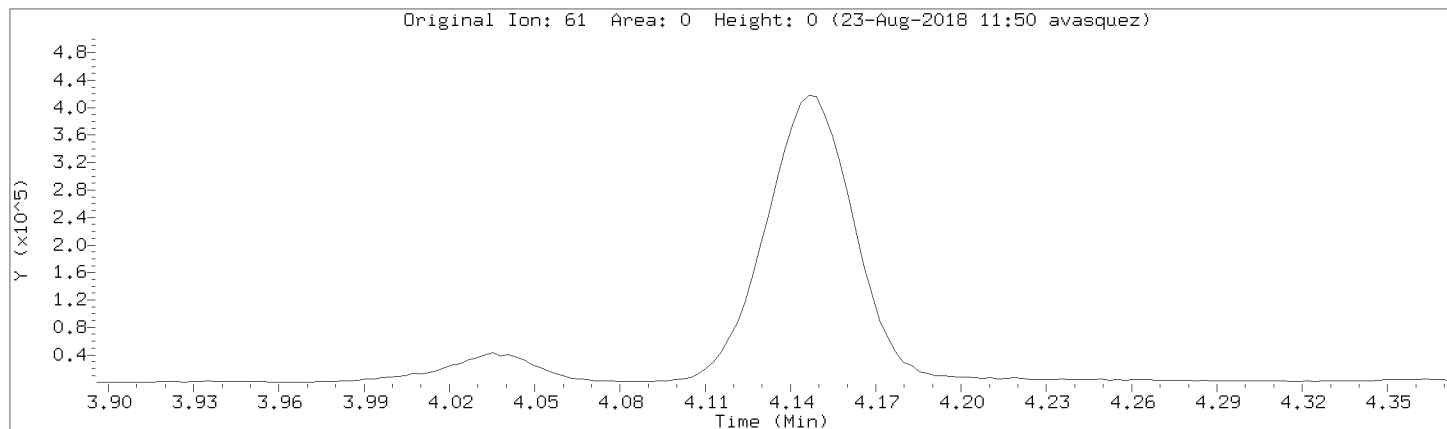
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

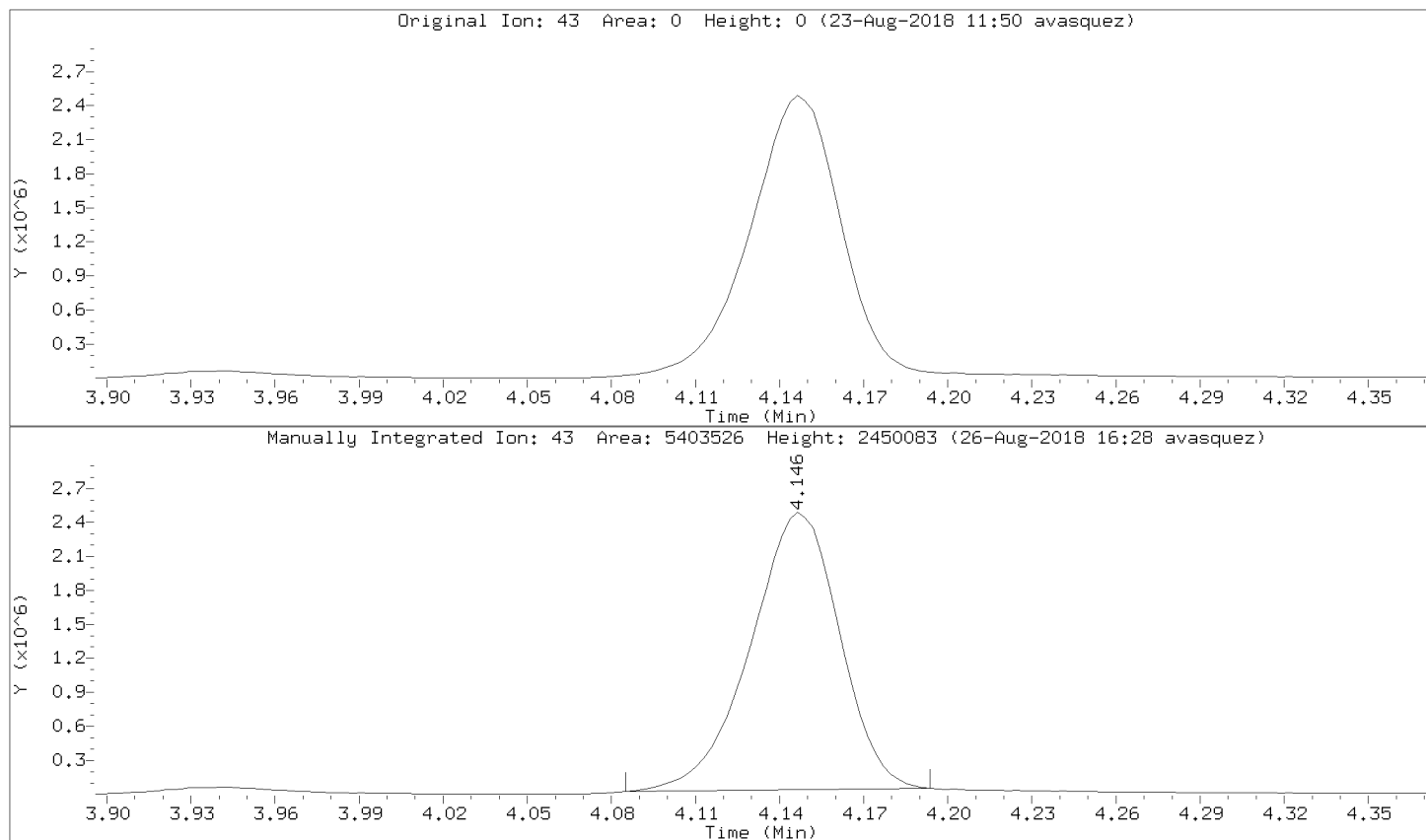
Compound: isopropyl acetate

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

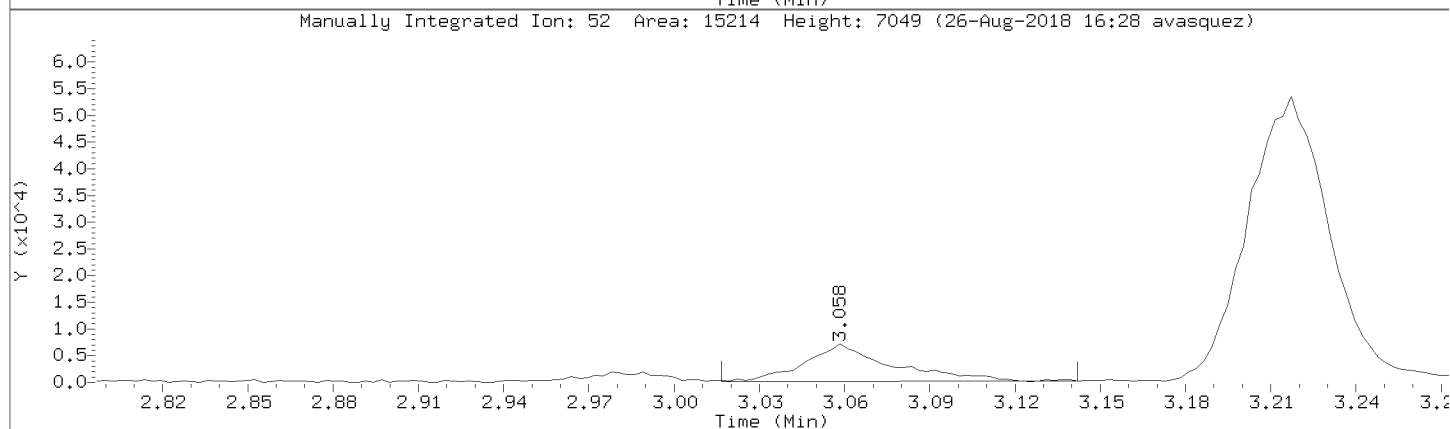
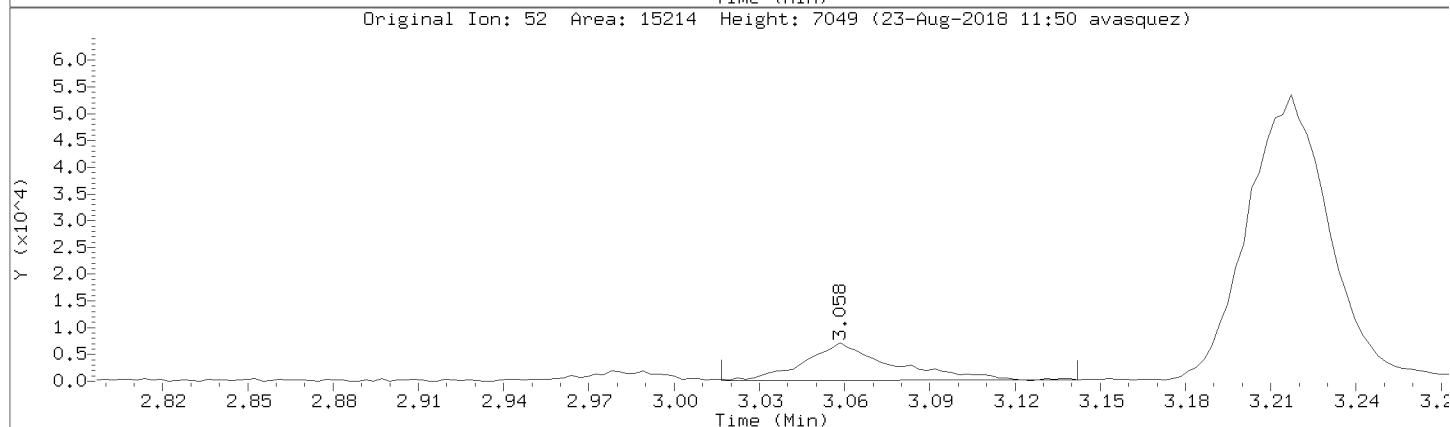
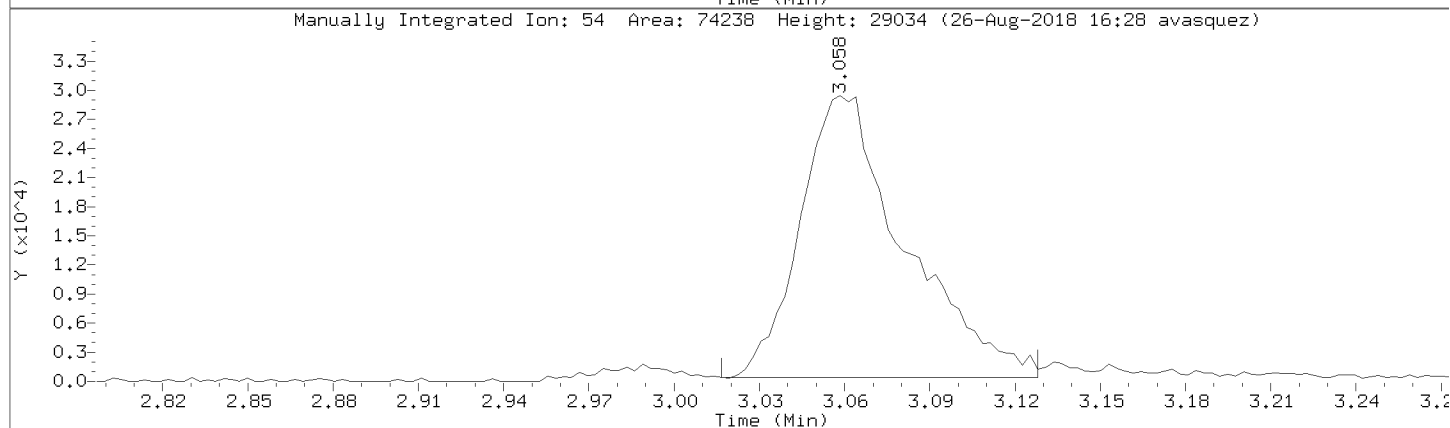
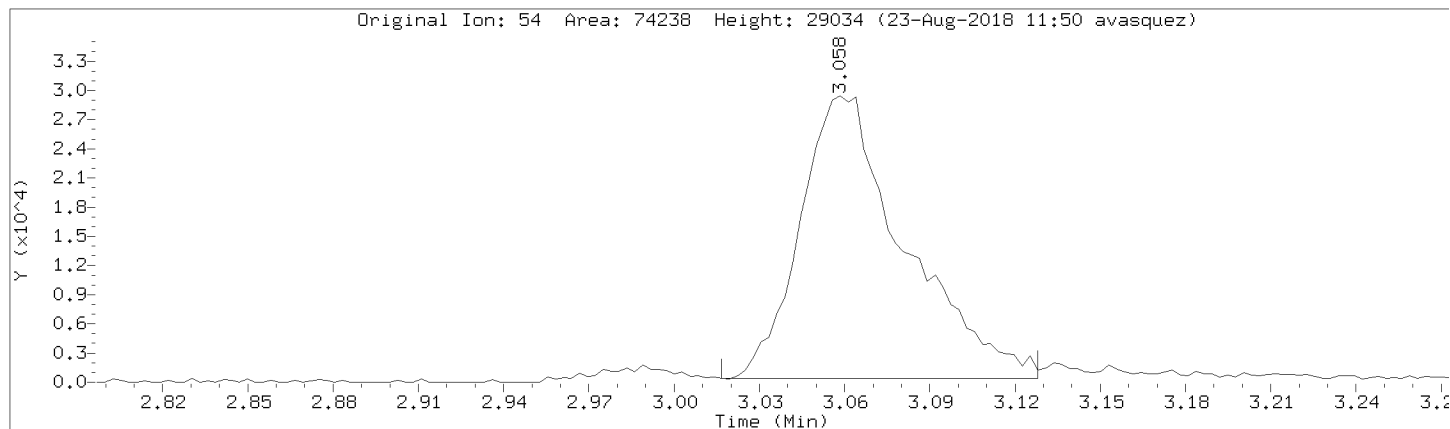
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

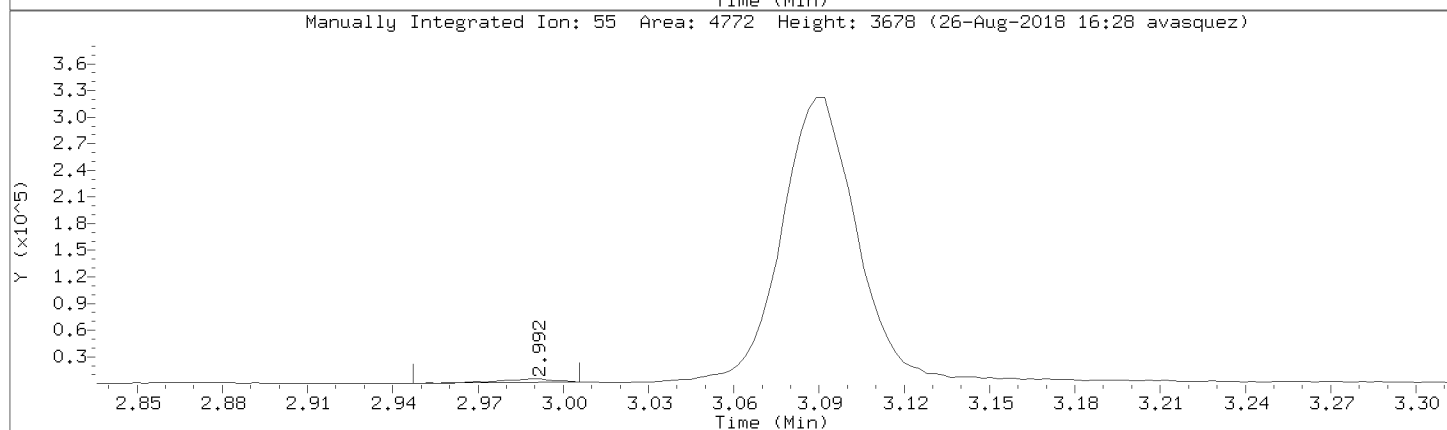
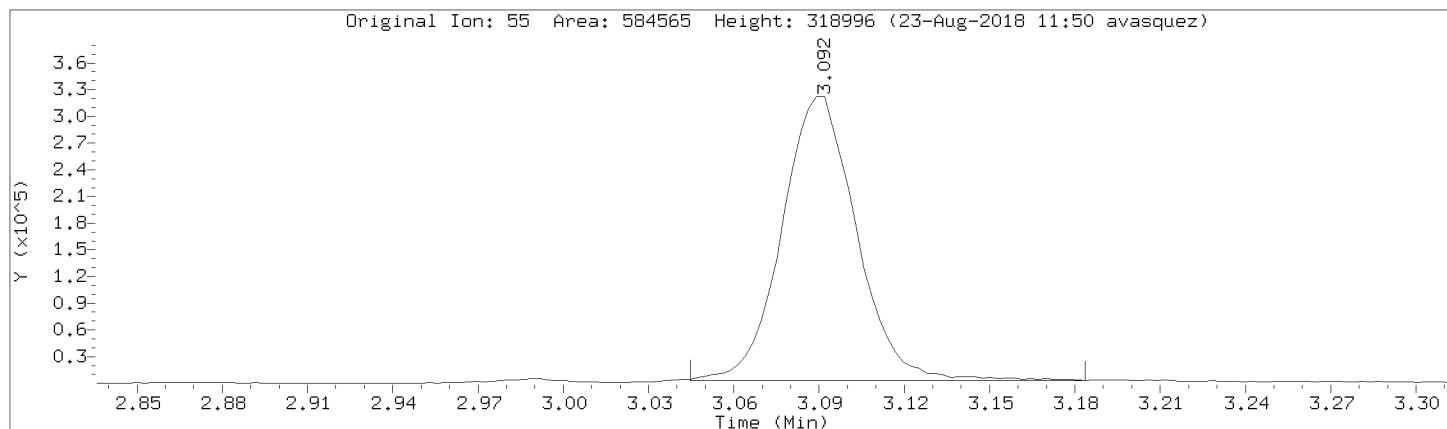
Compound: Propionitrile

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

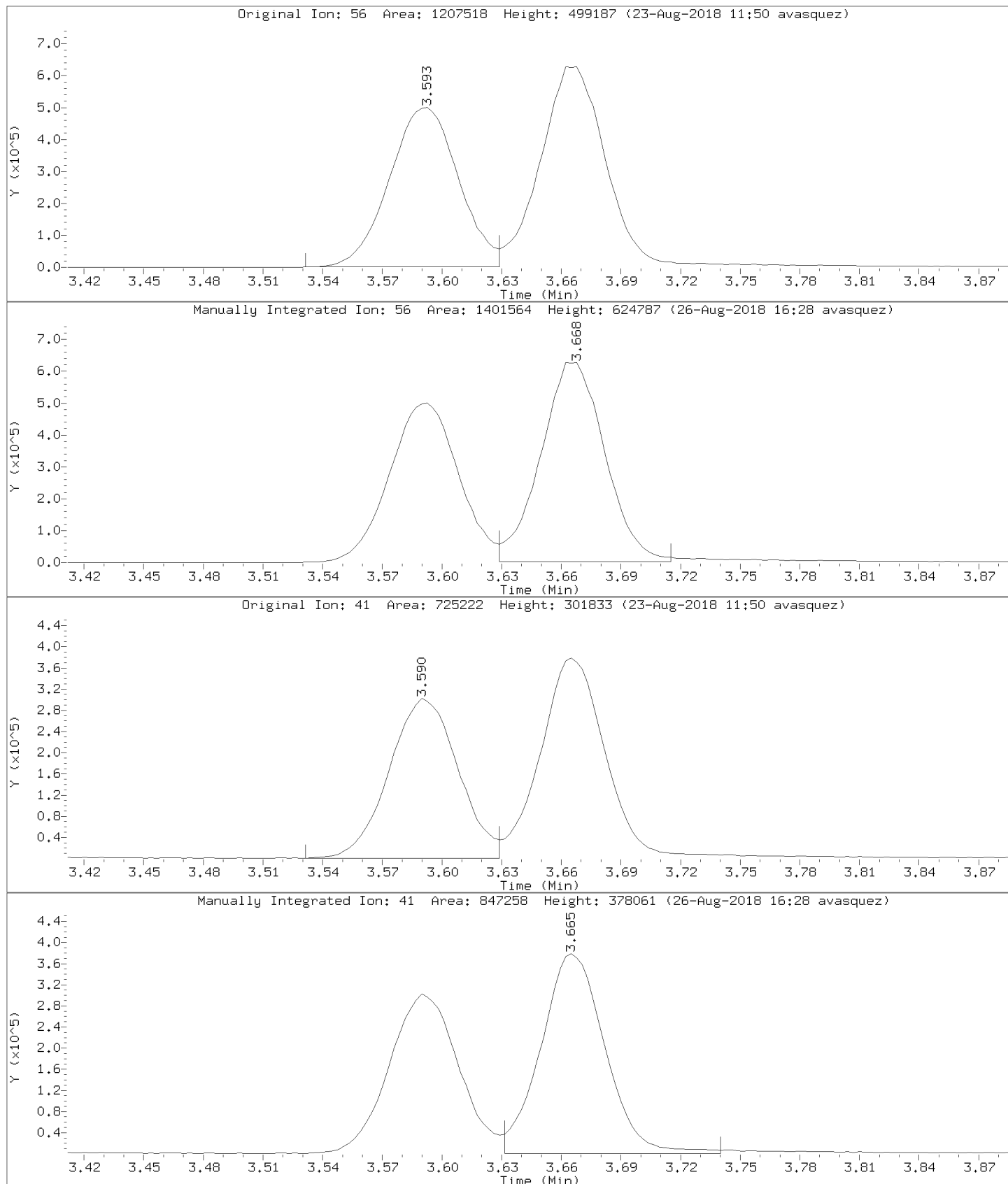
Instrument: 50mv2a.i

Lab Sample ID: 8260-CAL8

Compound: n-butyl chloride

Review Code: NI

CAS Number: 109-69-3



MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

13716363CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 08/28/2018 Time: 21:53

Instrument ID: 50MV2A GC Column: Col 1

Init. Calib. Date(s): 08/22/2018 08/22/2018

Lab File ID: A082818.B\C01CCV.D

Init. Calib. Time(s): 13:46 18:07

SDG No.: 50204113

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Wt Linear	250	252.0296	0.0100	0.8119	20.0000
Acrolein	Averaged	0.05552	0.04977	0.0000	-10.3529	20.0000
Benzene	Averaged	0.97233	0.96884	0.5000	-0.3596	20.0000
Bromodichloromethane	Averaged	0.35382	0.33224	0.2000	-6.0998	20.0000
Bromoform	Averaged	0.45256	0.41021	0.1000	-9.3589	20.0000
Bromomethane	Averaged	0.09000	0.07658	0.1000	-14.9117	20.0000
2-Butanone (MEK)	Averaged	0.02275	0.02416	0.0100	6.2095	20.0000
n-Butylbenzene	Averaged	2.52921	2.33678	0.0000	-7.6082	20.0000
sec-Butylbenzene	Averaged	3.20972	3.01929	0.0000	-5.9328	20.0000
tert-Butylbenzene	Averaged	2.88606	2.70160	0.0000	-6.3915	20.0000
Carbon disulfide	Averaged	0.66892	0.64046	0.1000	-4.2540	20.0000
Carbon tetrachloride	Averaged	0.36270	0.35251	0.1000	-2.8102	20.0000
Chlorobenzene	Averaged	0.86853	0.86299	0.5000	-0.6387	20.0000
Chloroethane	Wt Linear	50	45.37070	0.1000	-9.2586	20.0000
Chloroform	Averaged	0.46836	0.42287	0.2000	-9.7113	20.0000
Chloromethane	Linear	50	39.7701	0.1000	-20.4598	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.27421	0.26753	0.1000	-2.4375	20.0000
Dibromomethane	Averaged	0.13534	0.14317	0.0000	5.7852	20.0000
1,2-Dichlorobenzene	Averaged	1.20949	1.16257	0.4000	-3.8789	20.0000
1,3-Dichlorobenzene	Averaged	1.35353	1.29374	0.6000	-4.4175	20.0000
1,4-Dichlorobenzene	Averaged	1.36085	1.29668	0.5000	-4.7154	20.0000
Dichlorodifluoromethane	Wt Linear	50	39.16733	0.1000	-21.6653	20.0000
1,1-Dichloroethane	Averaged	0.47066	0.47283	0.2000	0.4614	20.0000
1,2-Dichloroethane	Averaged	0.35674	0.32870	0.1000	-7.8601	20.0000
1,1-Dichloroethene	Averaged	0.22630	0.21389	0.1000	-5.4851	20.0000
cis-1,2-Dichloroethene	Averaged	0.27413	0.26010	0.1000	-5.1177	20.0000
trans-1,2-Dichloroethene	Averaged	0.24803	0.23965	0.1000	-3.3793	20.0000
1,2-Dichloropropane	Averaged	0.25803	0.27691	0.1000	7.3159	20.0000
cis-1,3-Dichloropropene	Averaged	0.53177	0.45867	0.2000	-13.7454	20.0000
trans-1,3-Dichloropropene	Averaged	0.49822	0.43297	0.1000	-13.0960	20.0000
Ethylbenzene	Averaged	0.50553	0.48195	0.1000	-4.6642	20.0000
2-Hexanone	Averaged	0.29038	0.25254	0.0500	-13.0287	20.0000
Isopropylbenzene (Cumene)	Averaged	1.64539	1.51545	0.1000	-7.8972	20.0000
p-Isopropyltoluene	Averaged	2.68738	2.63314	0.0000	-2.0182	20.0000
Methylene Chloride	Wt Linear	50	49.83048	0.1000	-0.3390	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.41166	0.35681	0.0500	-13.3257	20.0000

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

08/30/2018 10:41

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

13716363CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 08/28/2018 Time: 21:53

Instrument ID: 50MV2A GC Column: Col 1

Init. Calib. Date(s): 08/22/2018 08/22/2018

Lab File ID: A082818.B\C01CCV.D

Init. Calib. Time(s): 13:46 18:07

SDG No.: 50204113

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Methyl-tert-butyl ether	Averaged	0.69579	0.68387	0.1000	-1.7122	20.0000
Naphthalene	Averaged	2.01617	1.99053	0.0000	-1.2718	20.0000
n-Propylbenzene	Averaged	3.59863	3.40394	0.0000	-5.4103	20.0000
Styrene	Averaged	0.97680	0.94721	0.3000	-3.0294	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.33630	0.31343	0.0000	-6.8008	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.72259	0.65571	0.3000	-9.2552	20.0000
Tetrachloroethene	Averaged	0.40361	0.37141	0.2000	-7.9788	20.0000
Toluene	Averaged	1.50330	1.31671	0.4000	-12.4121	20.0000
1,2,4-Trichlorobenzene	Averaged	0.86827	0.80835	0.2000	-6.9005	20.0000
1,1,1-Trichloroethane	Wt Linear	50	50.69066	0.1000	1.3813	20.0000
1,1,2-Trichloroethane	Wt Linear	50	47.96886	0.1000	-4.0623	20.0000
Trichloroethene	Averaged	0.26494	0.25456	0.1000	-3.9182	20.0000
Trichlorofluoromethane	Averaged	0.34718	0.29165	0.1000	-15.9948	20.0000
1,2,4-Trimethylbenzene	Averaged	2.48572	2.27850	0.0000	-8.3367	20.0000
1,3,5-Trimethylbenzene	Averaged	2.48534	2.30069	0.0000	-7.4296	20.0000
Vinyl acetate	Averaged	0.77034	0.65550	0.0000	-14.9077	20.0000
Vinyl chloride	Averaged	0.29244	0.22895	0.1000	-21.7121	20.0000
m&p-Xylene	Averaged	0.62874	0.60002	0.1000	-4.5678	20.0000
o-Xylene	Averaged	0.57458	0.56337	0.3000	-1.9507	20.0000
4-Bromofluorobenzene (S)	Averaged	0.46797	0.46659	0.1000	-0.2947	20.0000
Dibromofluoromethane (S)	Averaged	0.22330	0.23031	0.1000	3.1390	20.0000
Toluene-d8 (S)	Averaged	1.22248	1.14576	0.1000	-6.2753	20.0000

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

08/30/2018 10:41

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\082218.b\allicv.d
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 Inj Date : 22-AUG-2018 19:13
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 8260-icv,184427:5
 Misc Info : 117473
 Comment :
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 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	CONCENTRATIONS						REVIEW C
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (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.

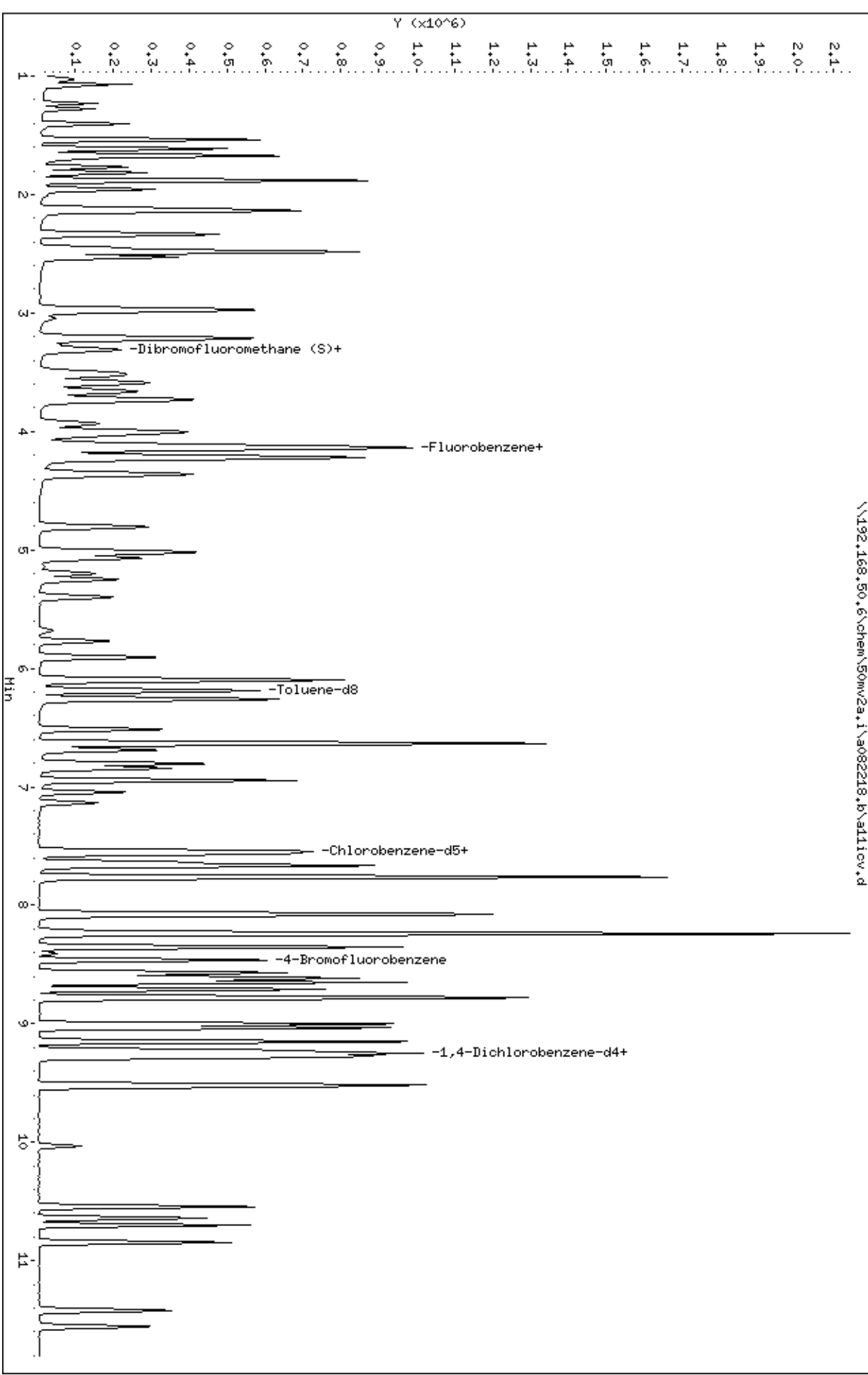
Review Codes Legend

- :
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.

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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

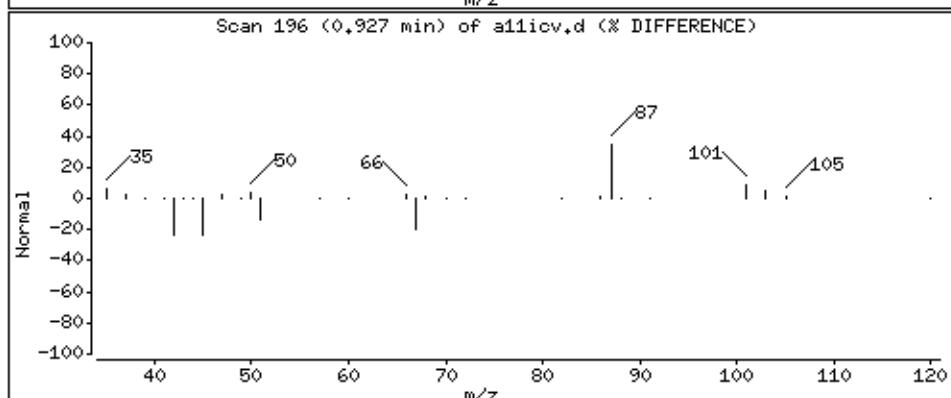
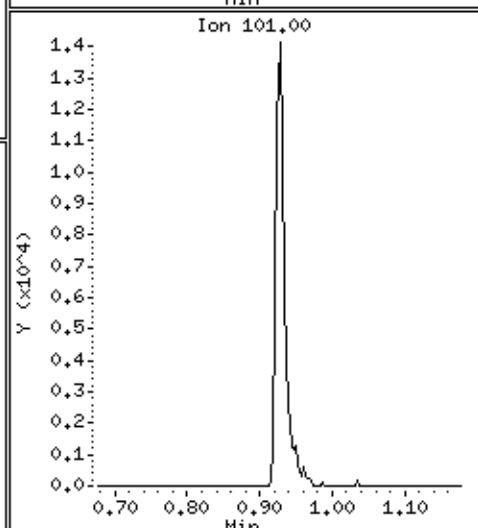
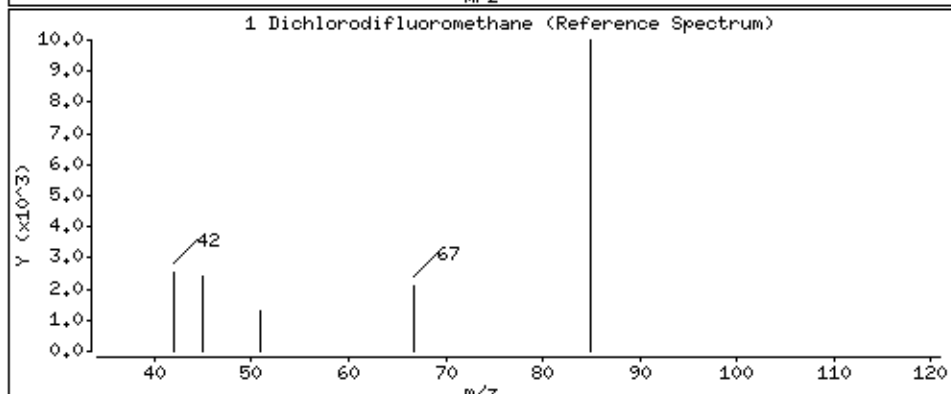
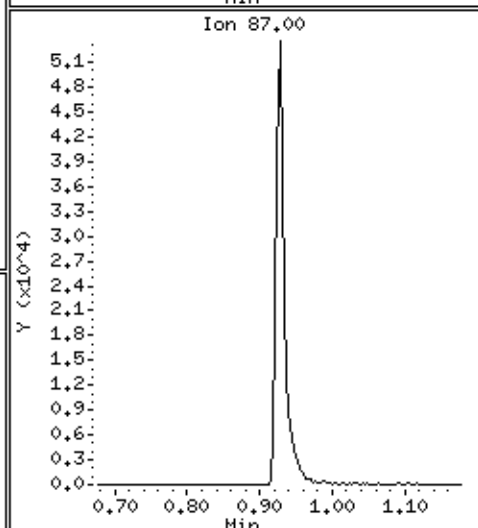
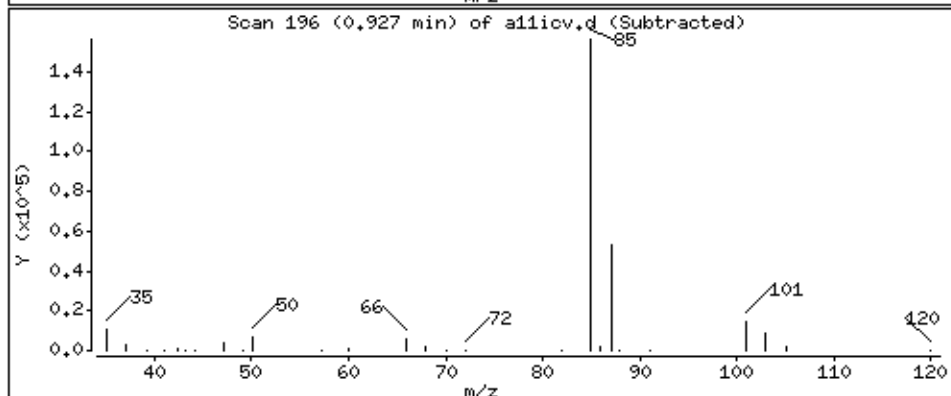
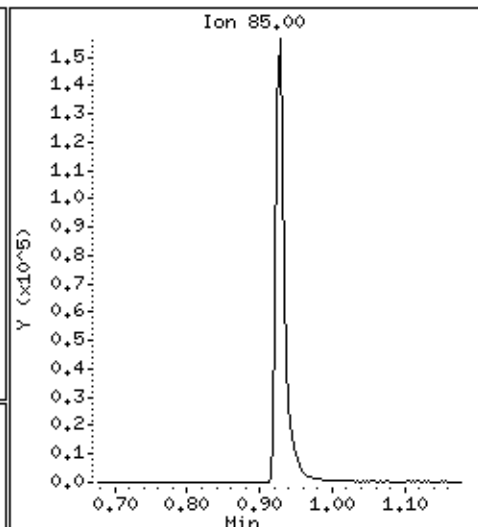
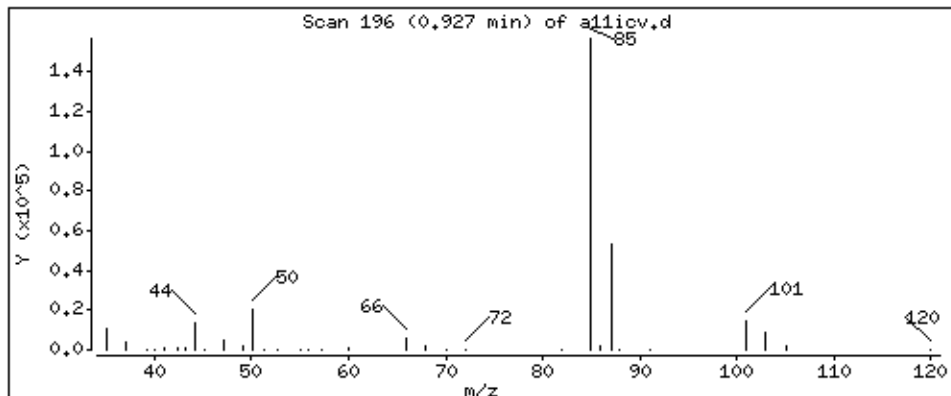
Operator: amv

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

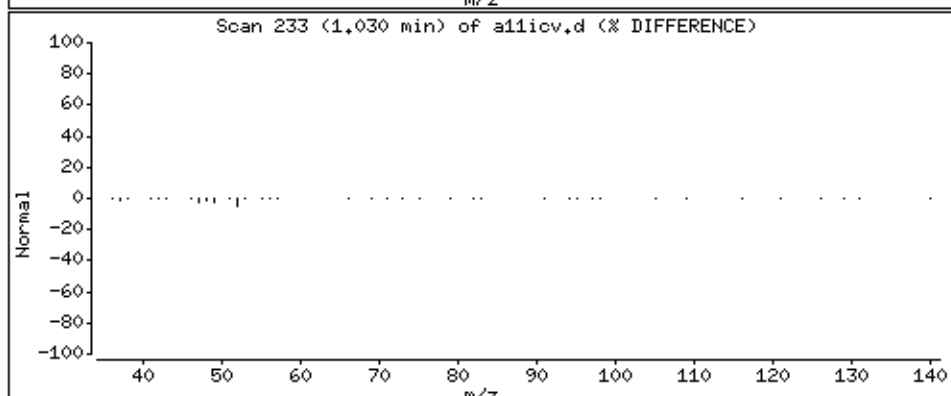
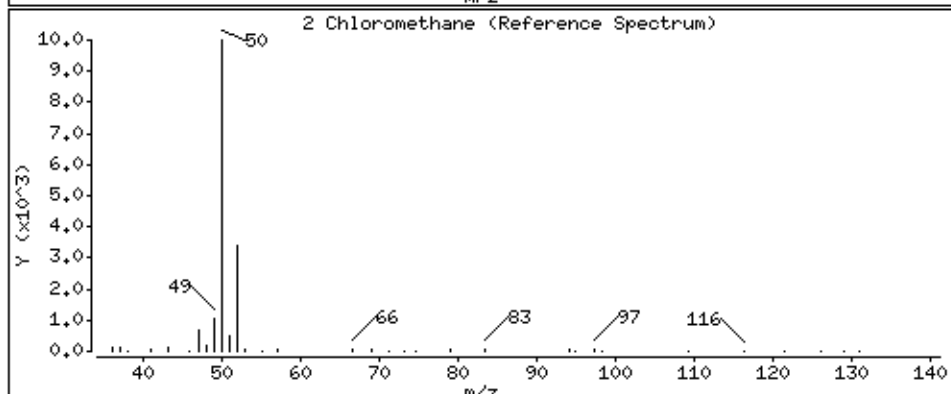
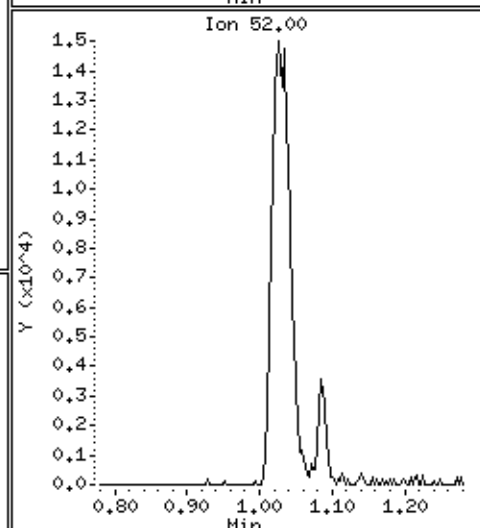
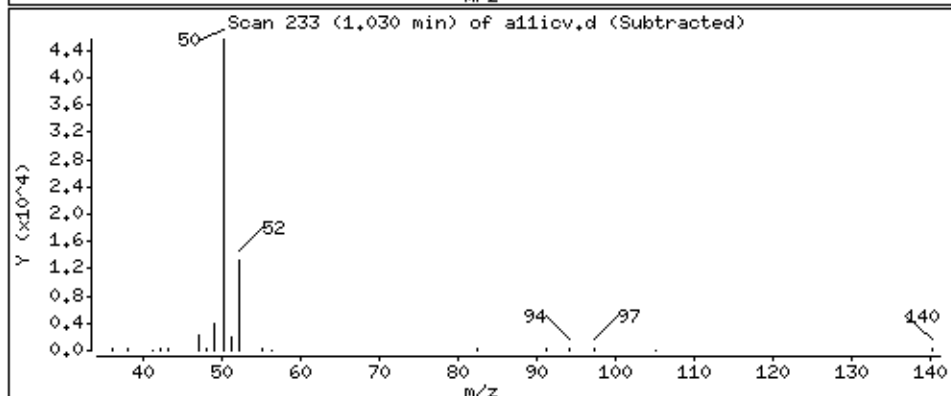
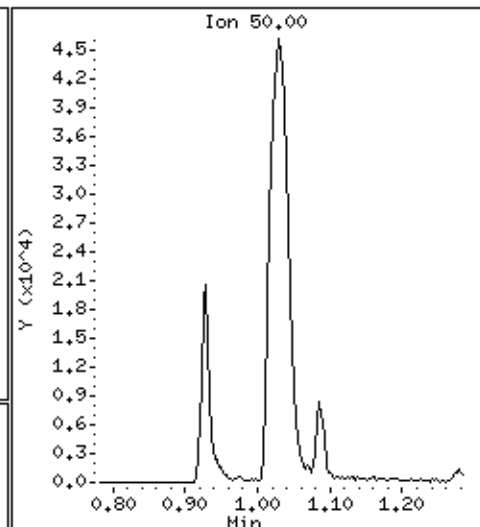
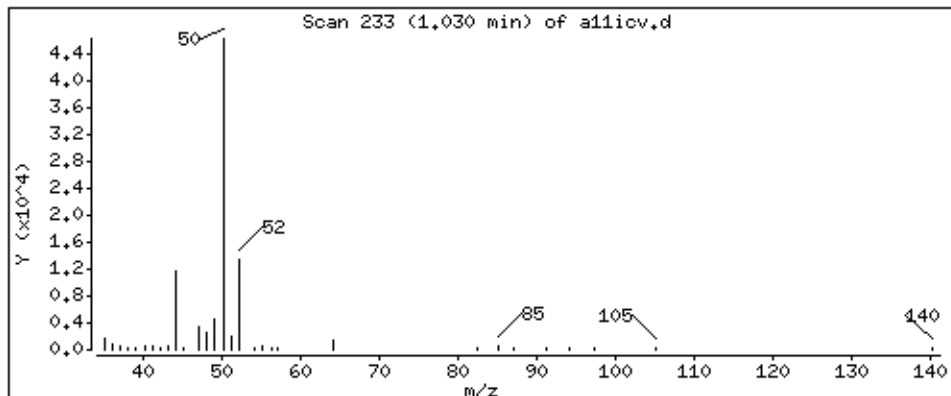
Operator: amv

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

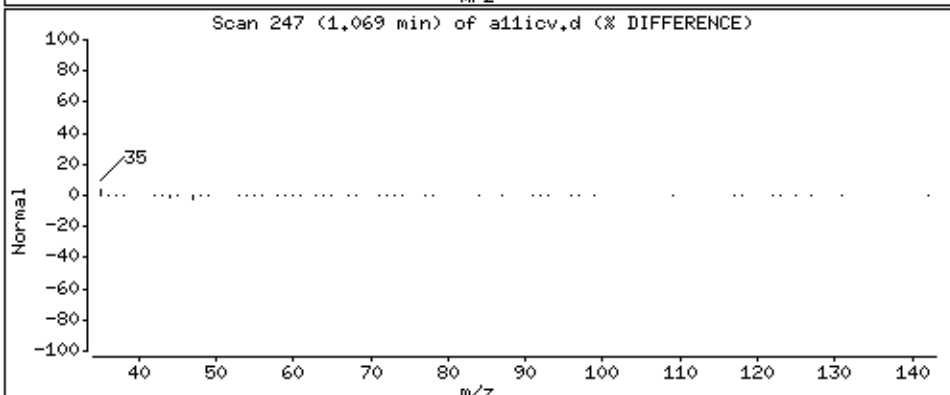
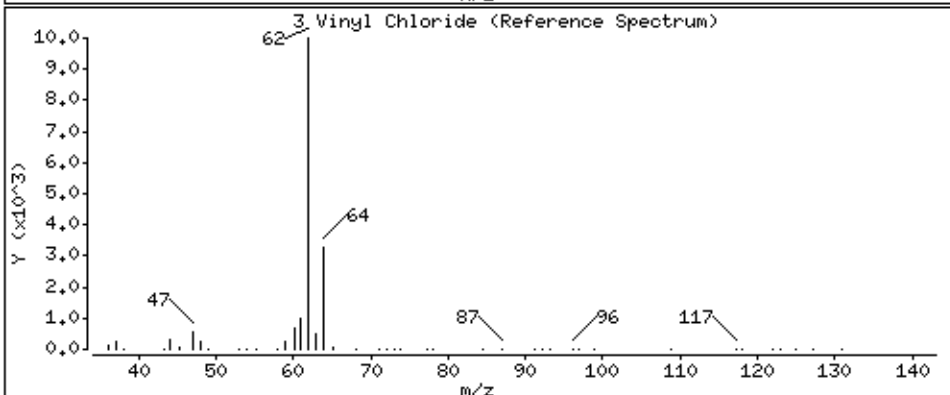
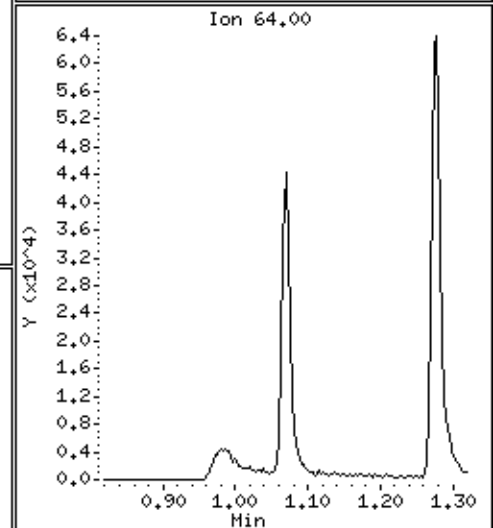
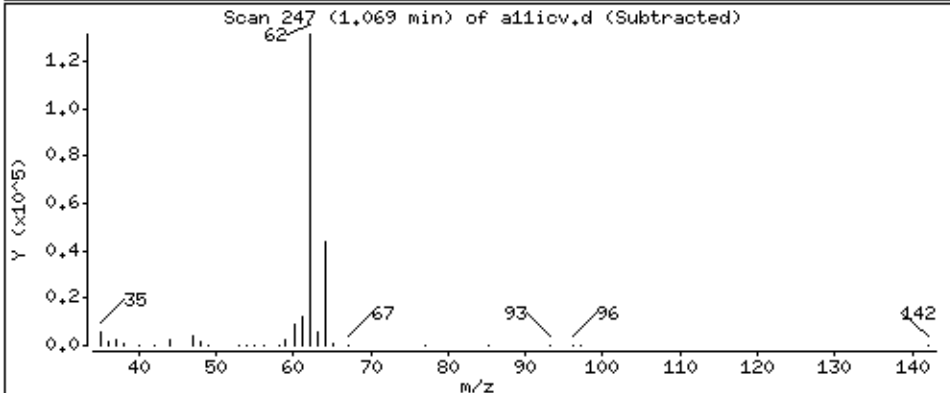
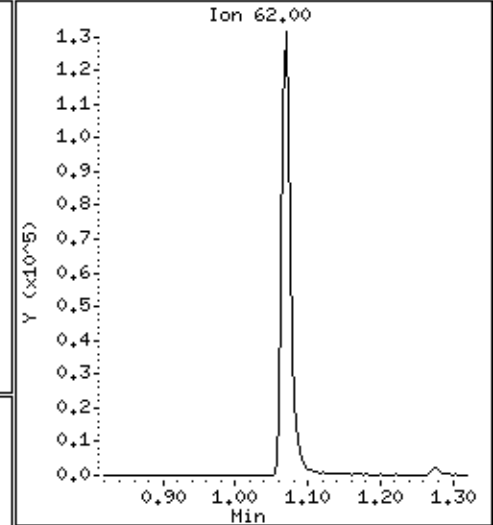
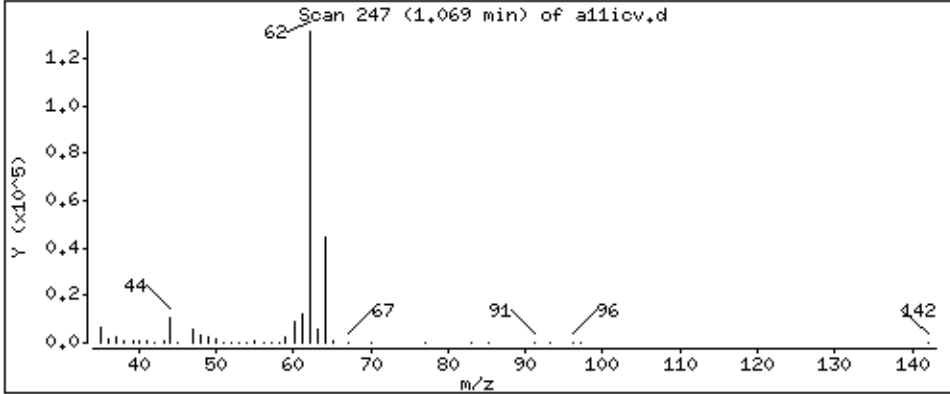
Operator: amv

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: 50mw2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

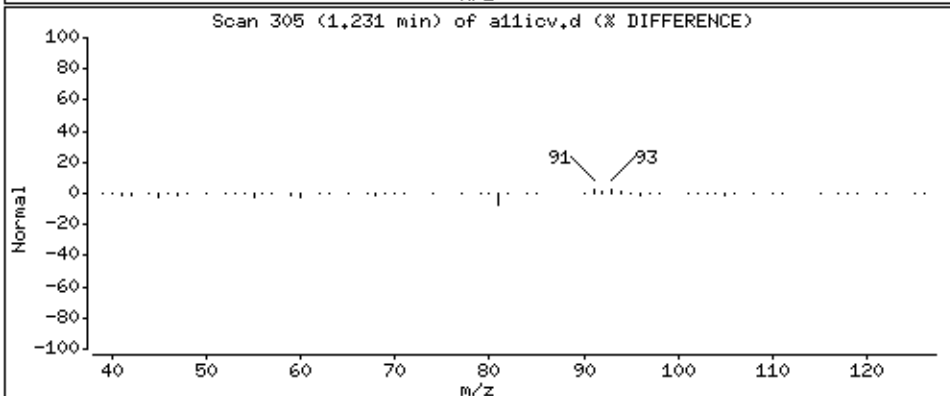
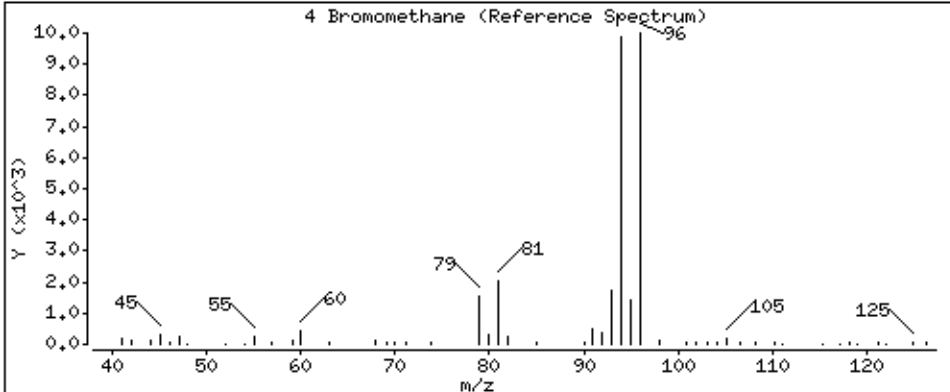
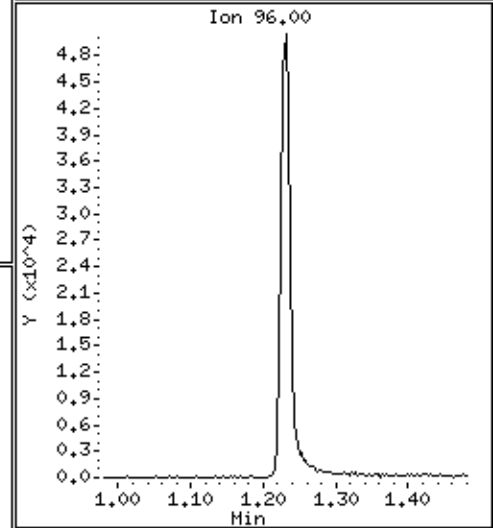
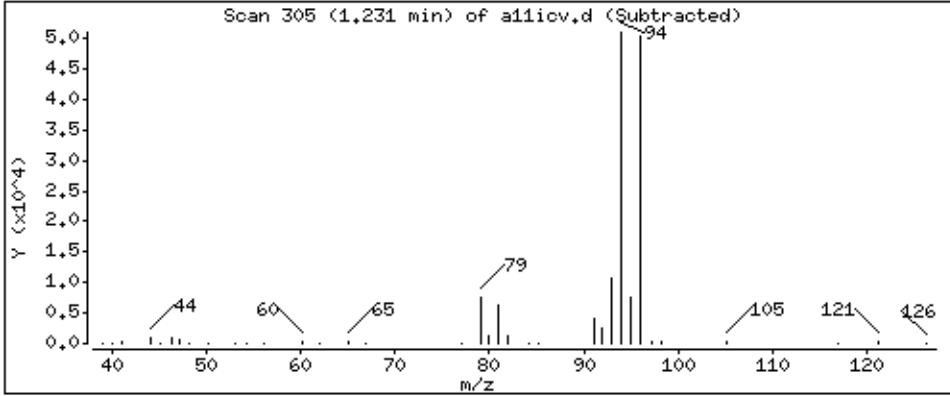
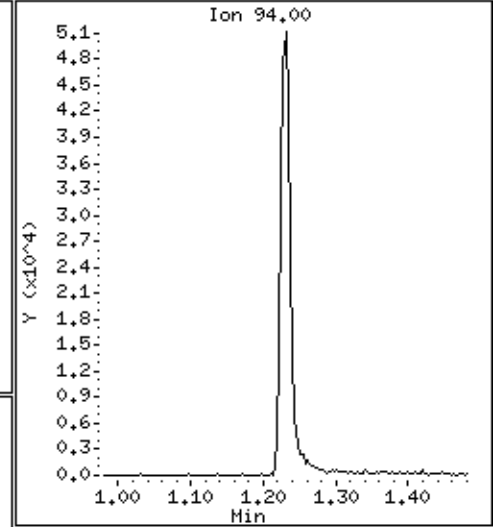
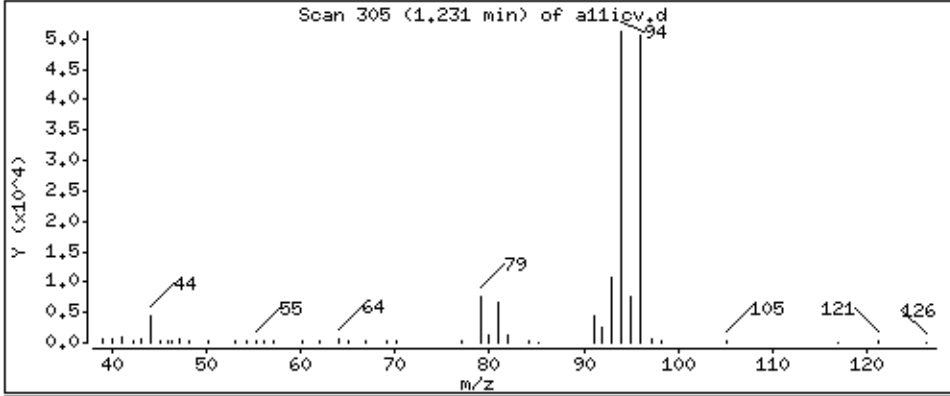
Operator: amv

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

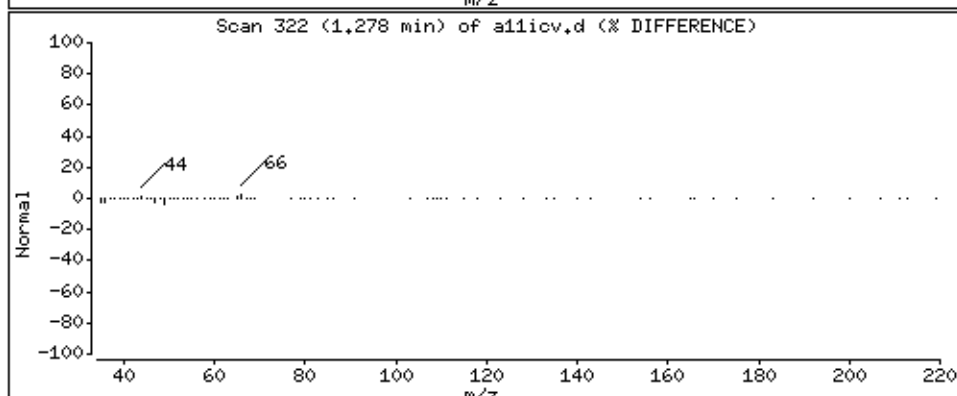
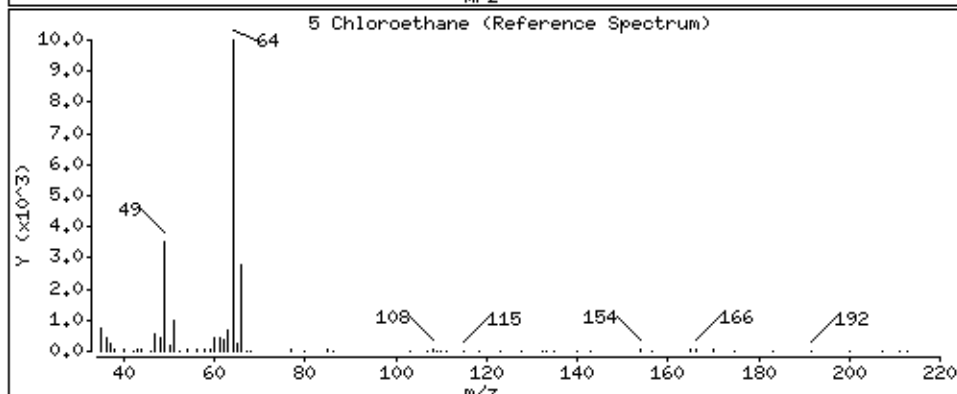
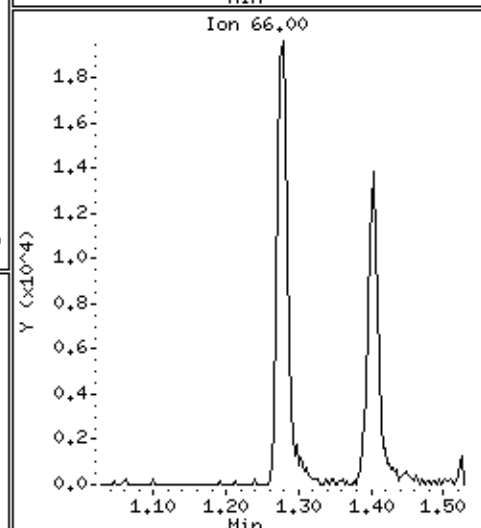
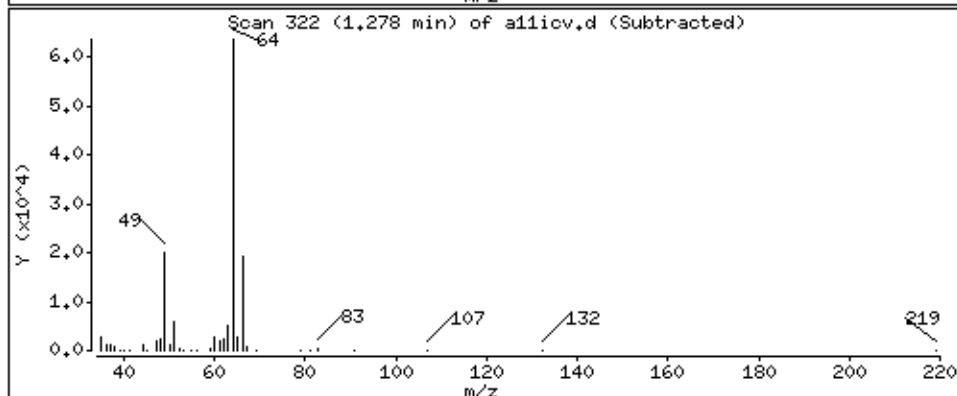
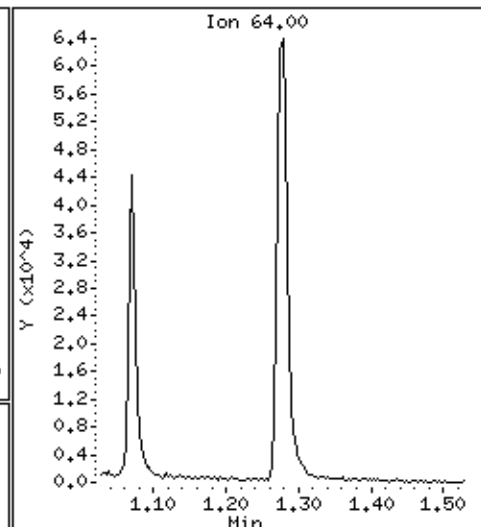
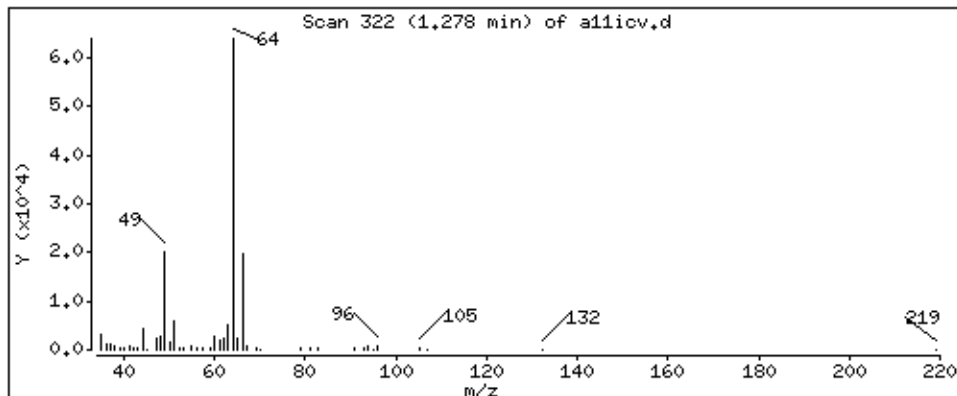
Operator: amv

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

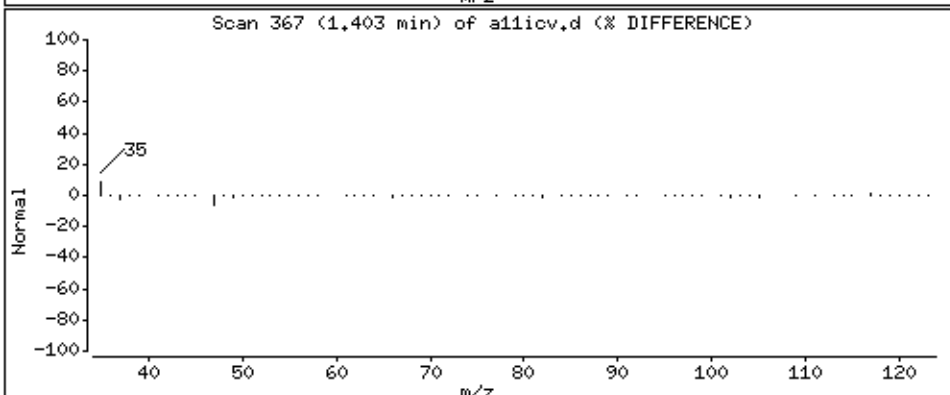
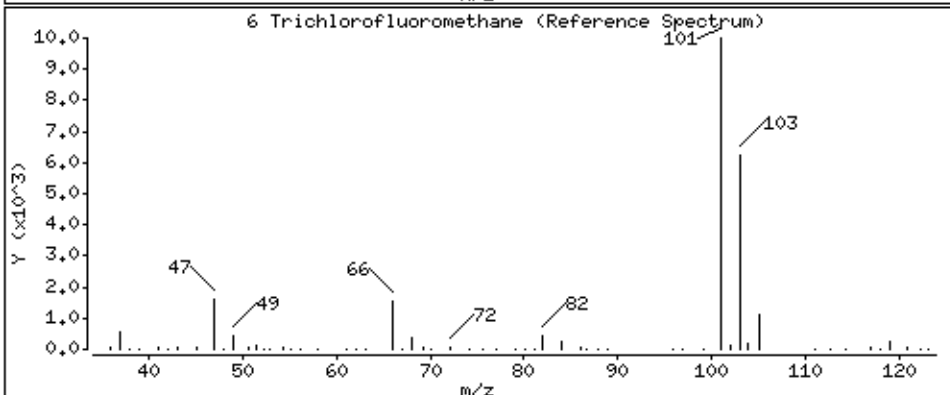
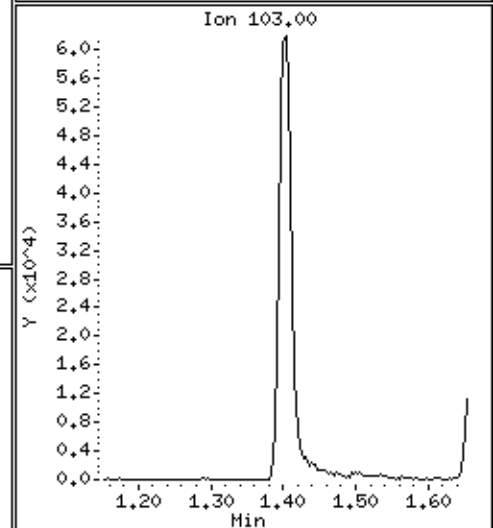
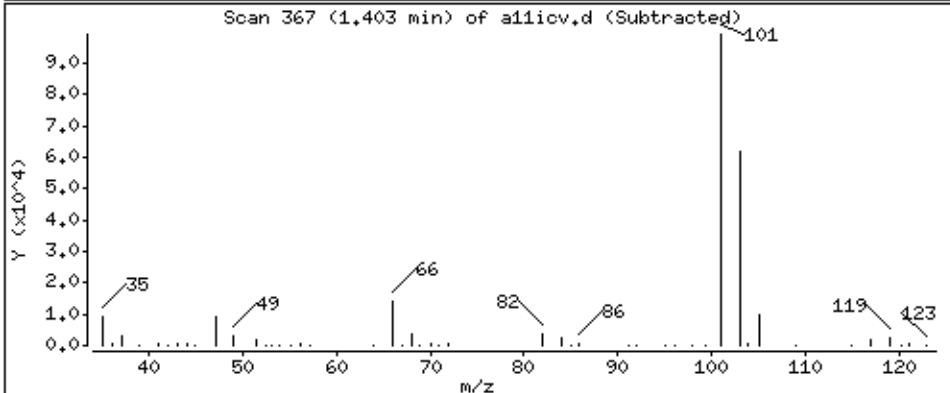
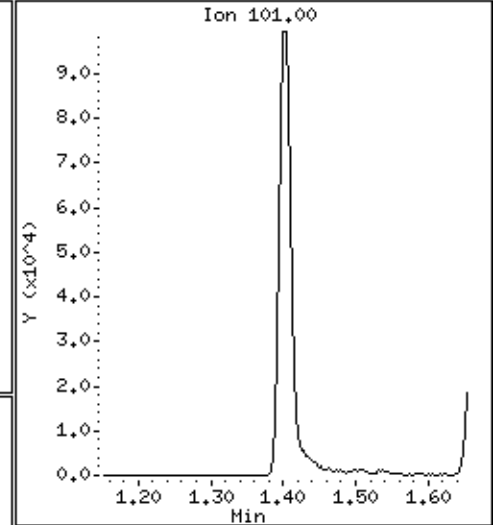
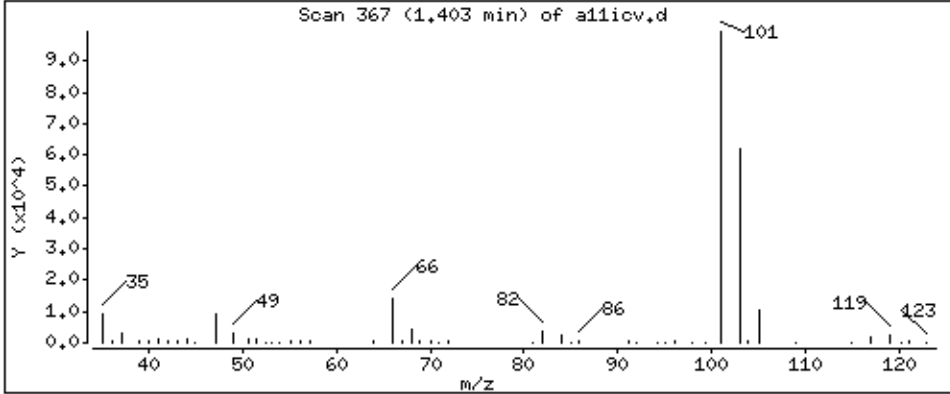
Operator: amv

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

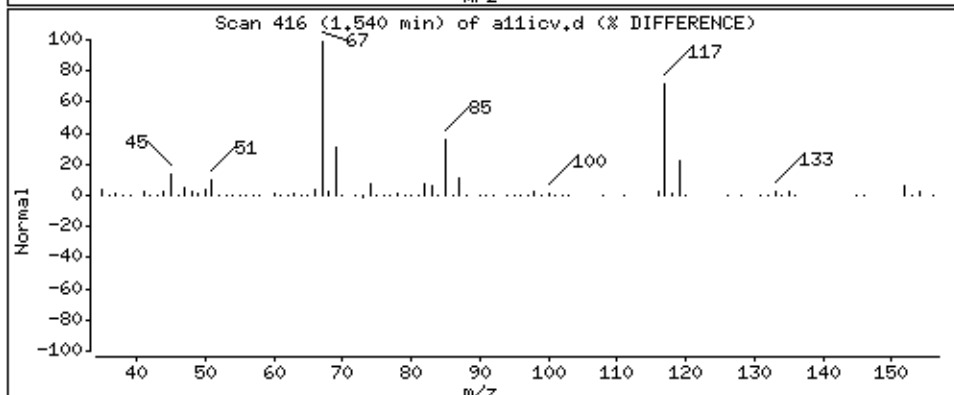
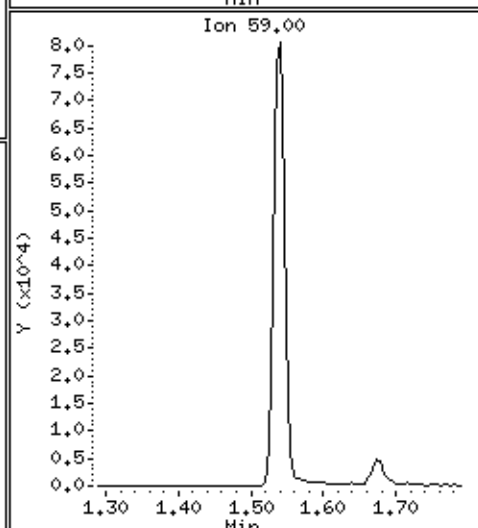
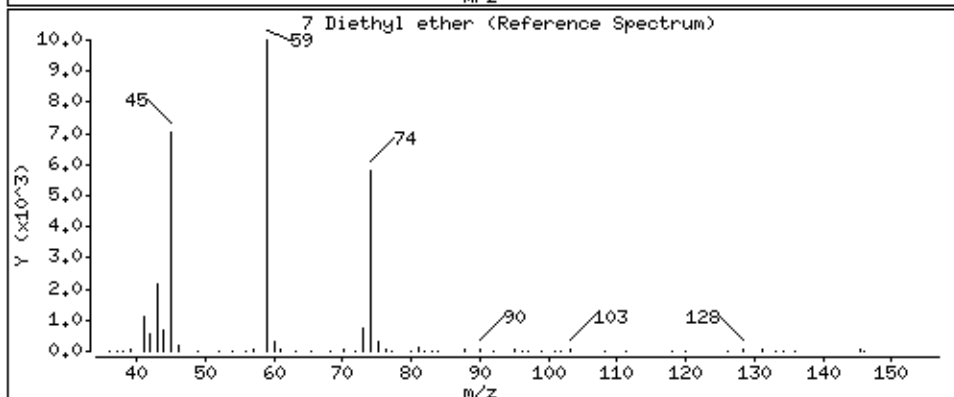
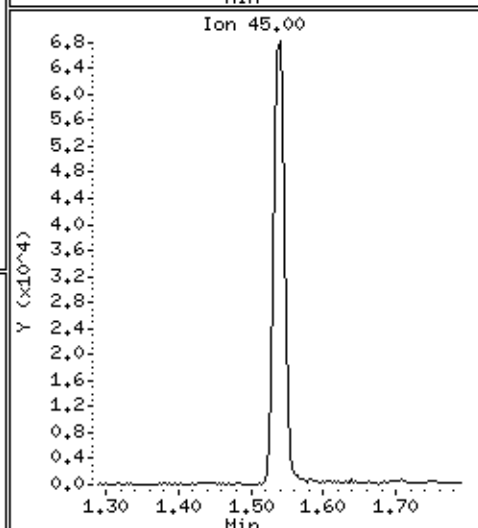
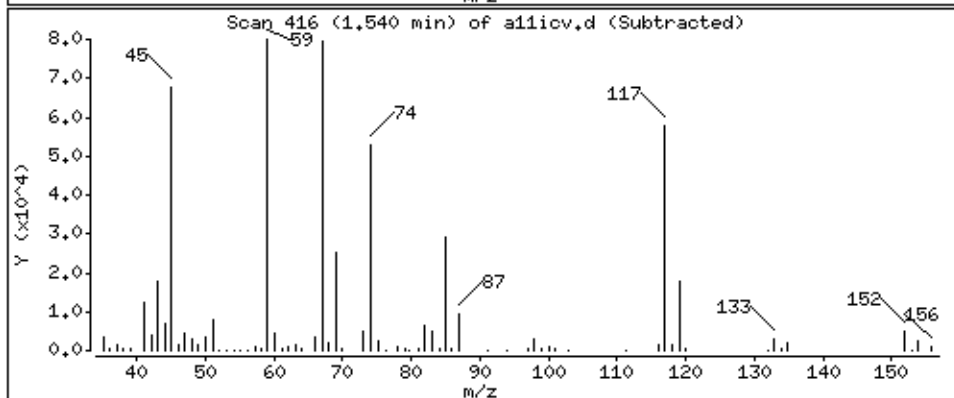
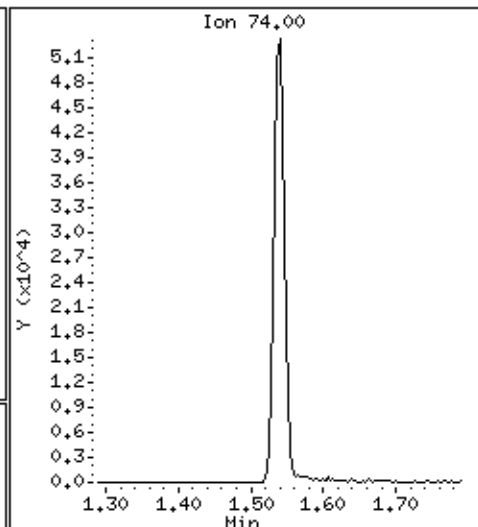
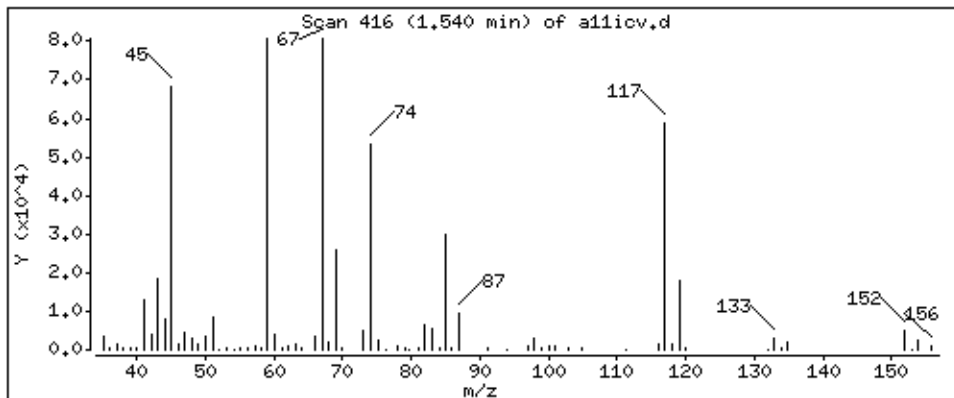
Operator: amv

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

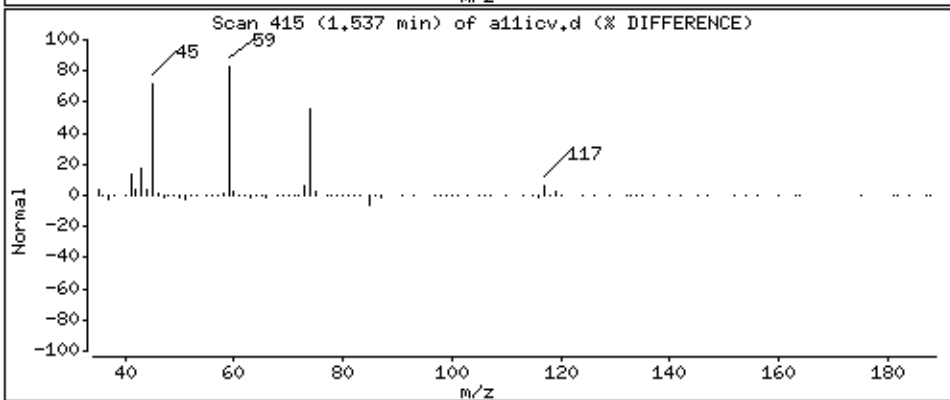
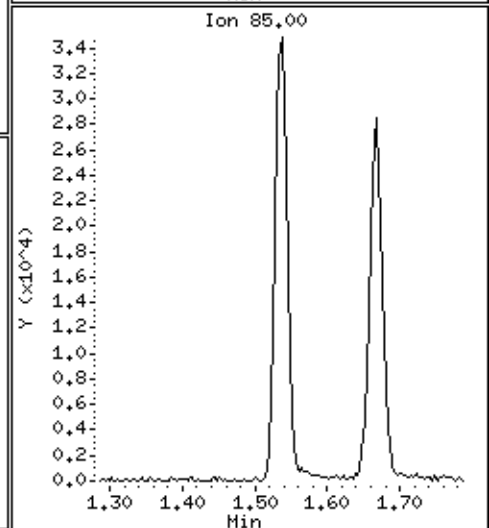
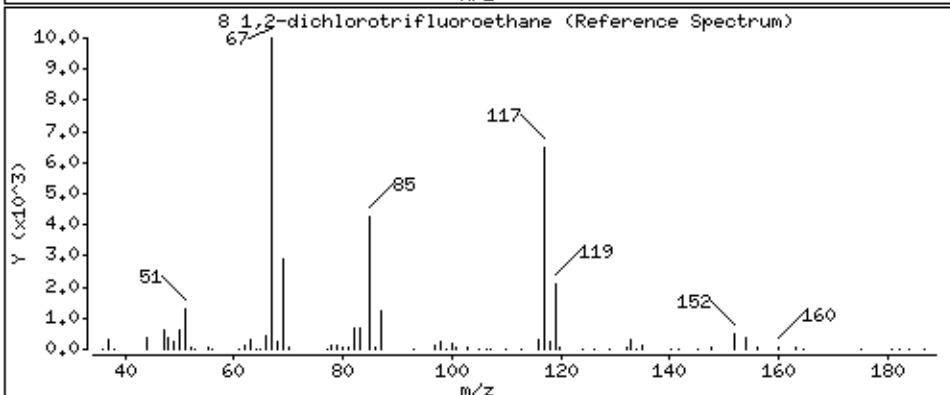
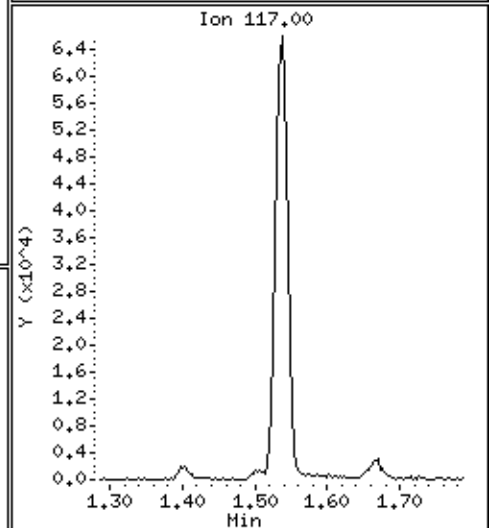
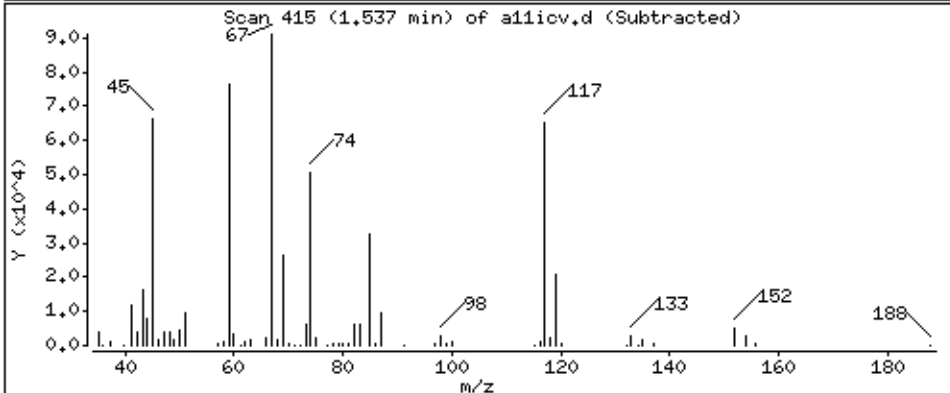
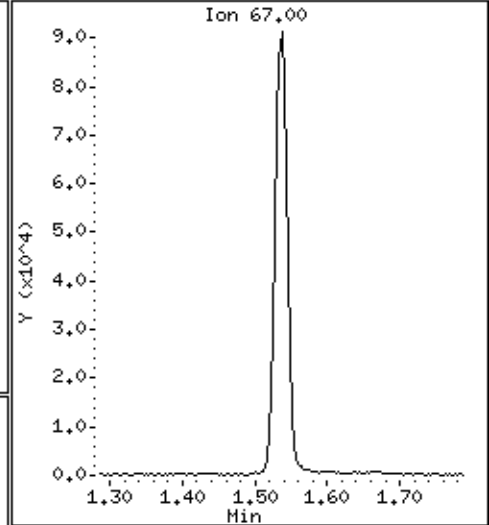
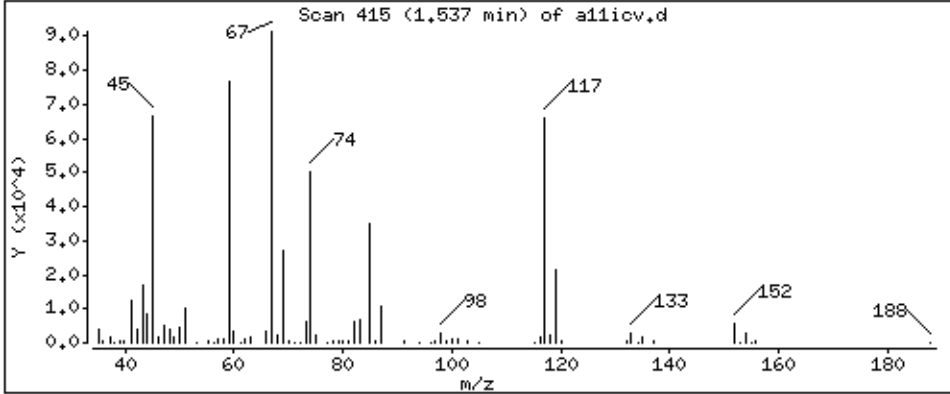
Operator: amv

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

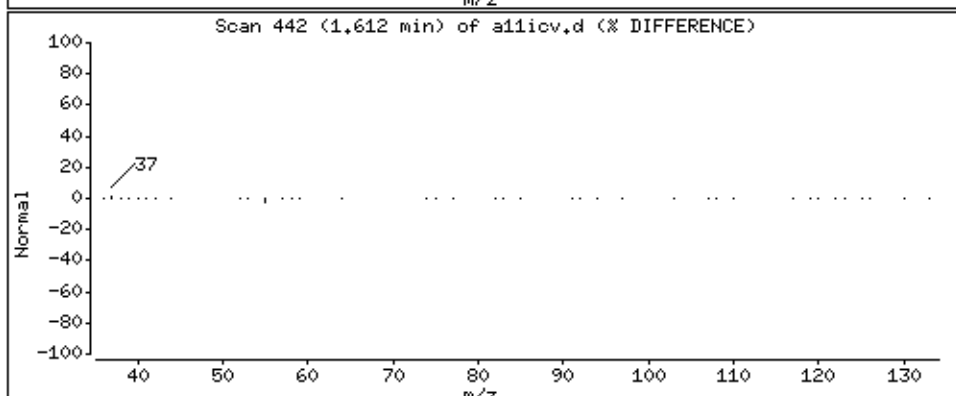
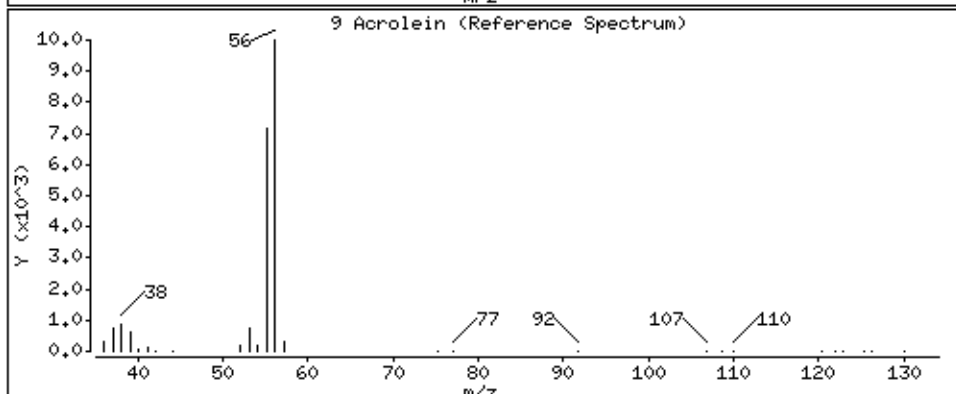
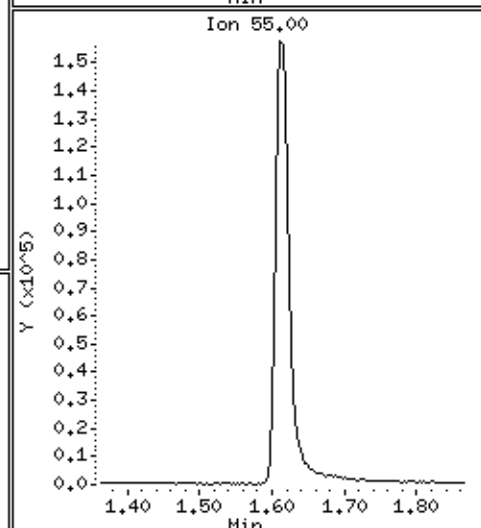
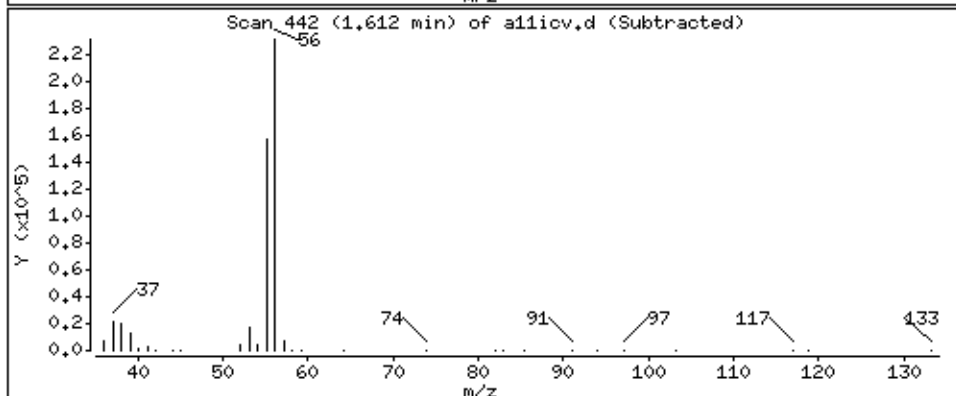
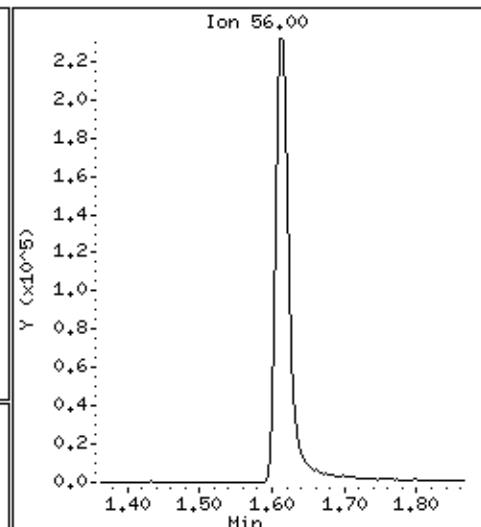
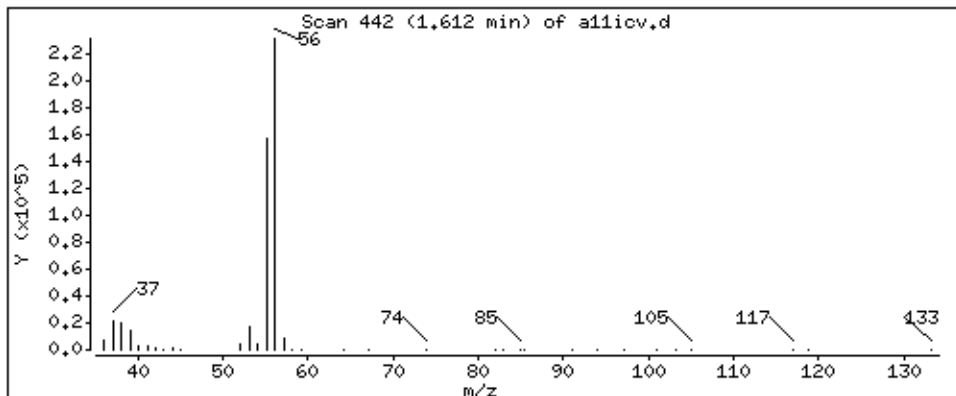
Operator: amv

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

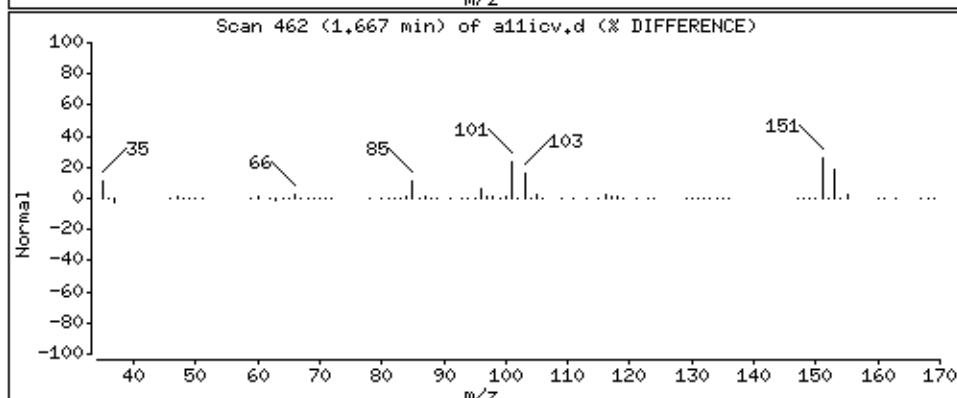
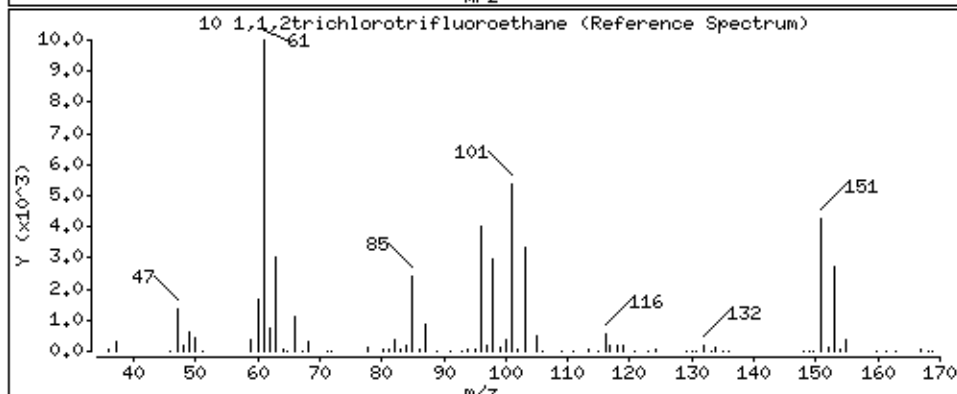
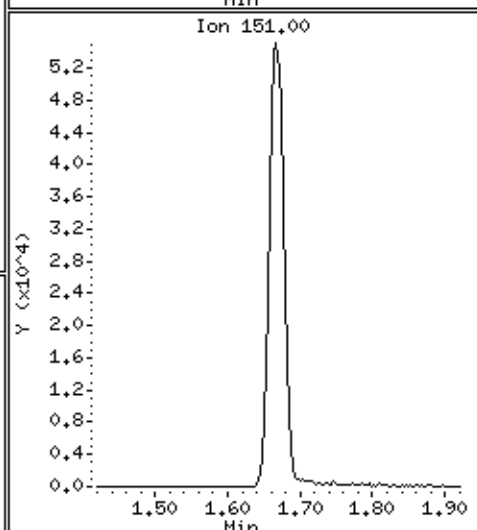
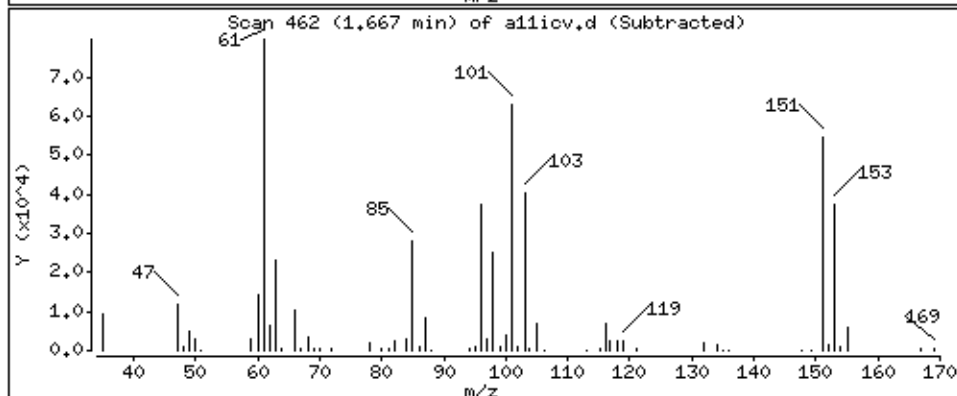
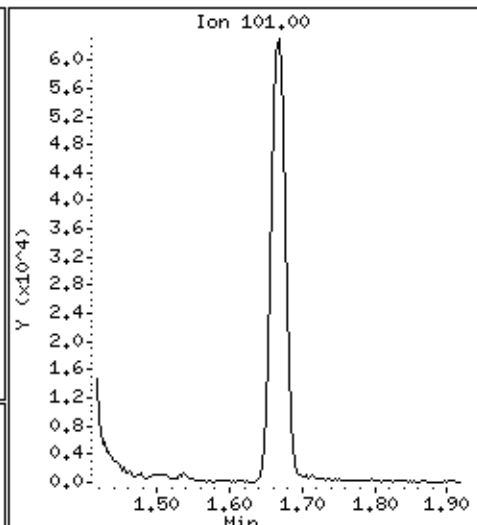
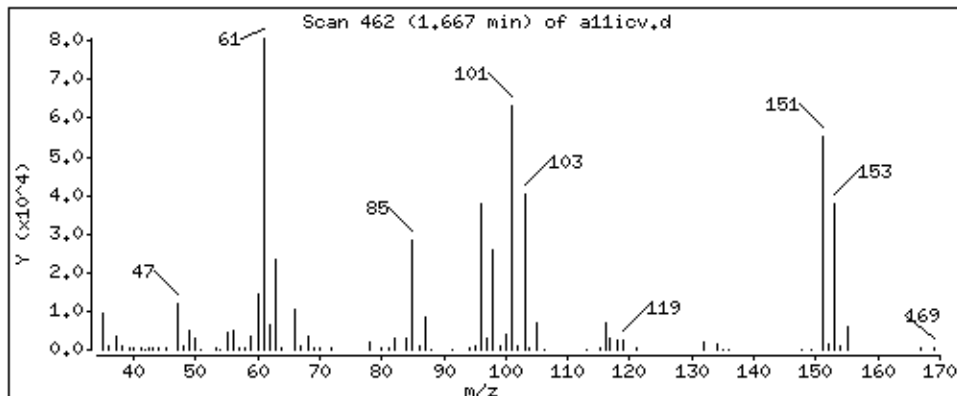
Operator: amv

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: 50mw2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

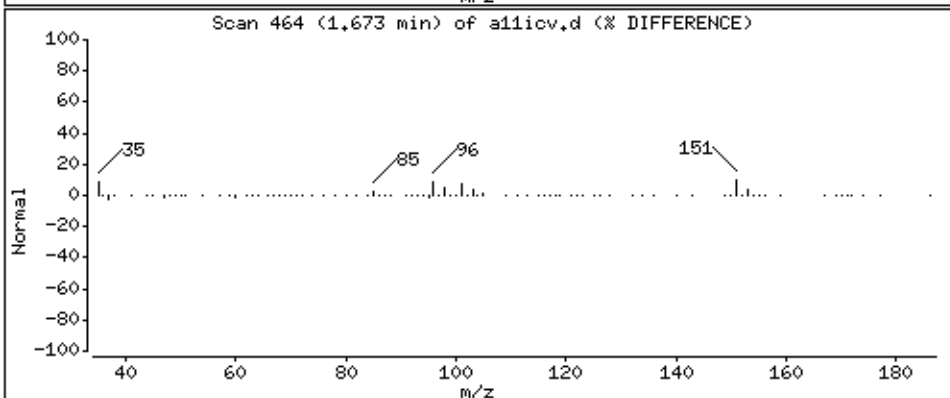
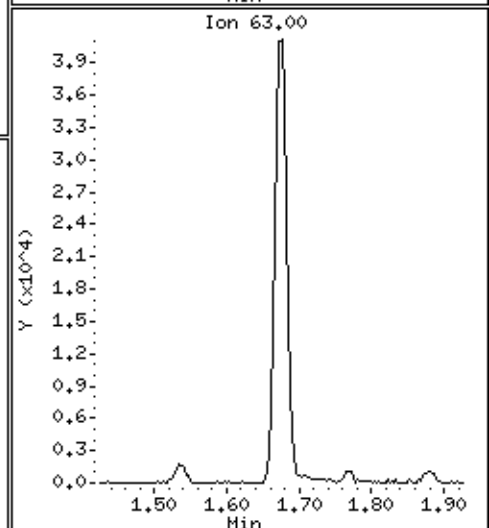
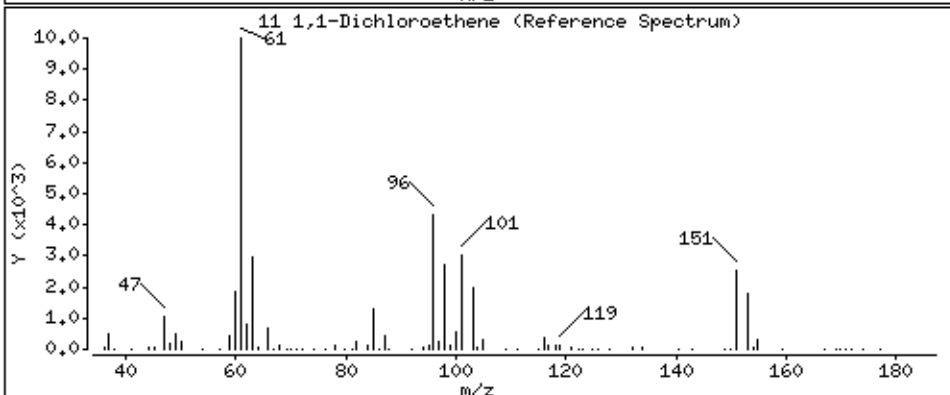
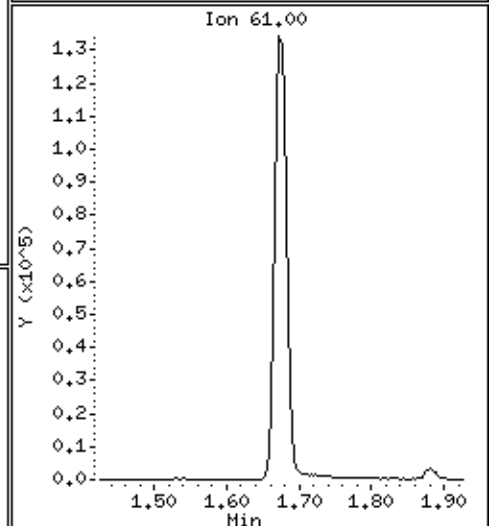
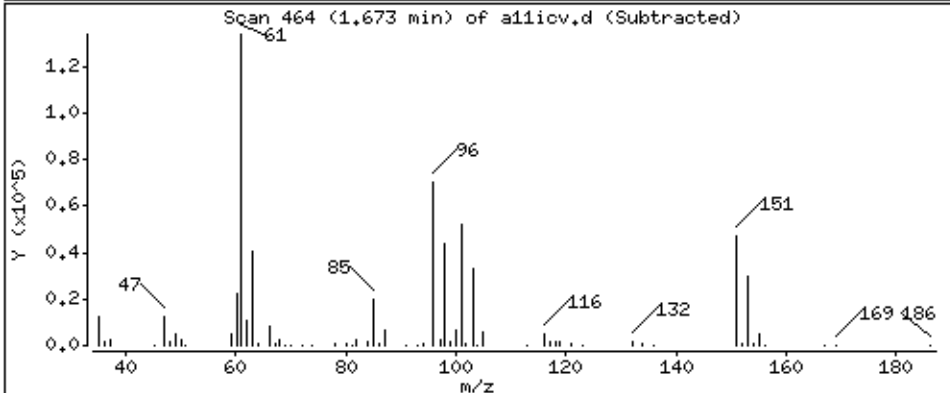
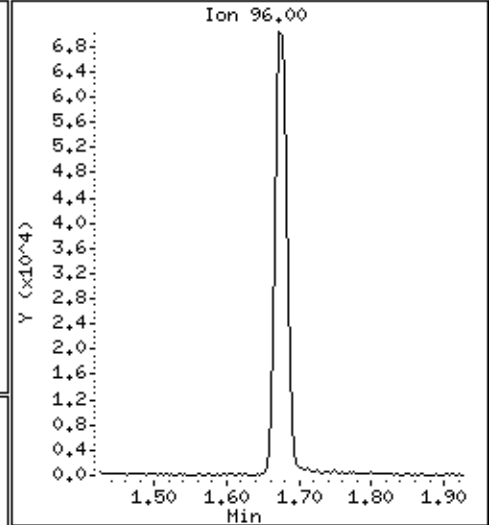
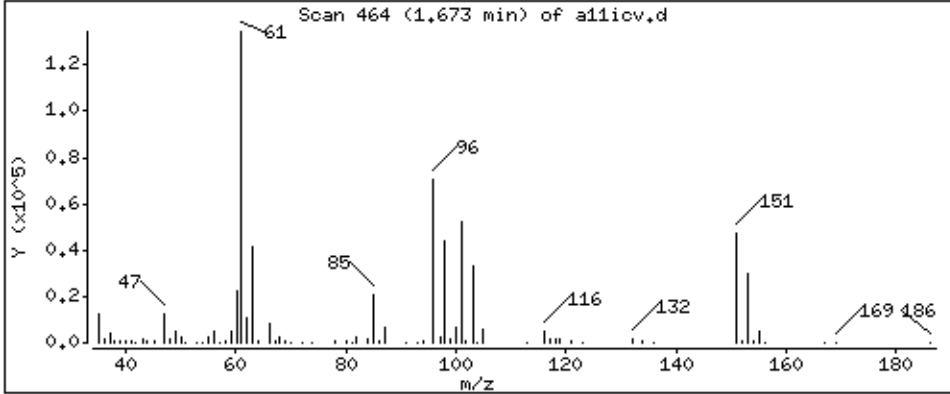
Operator: amv

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

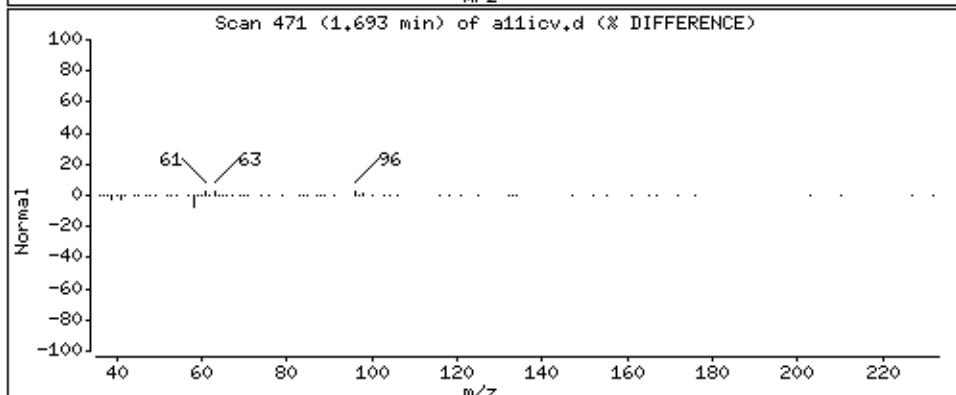
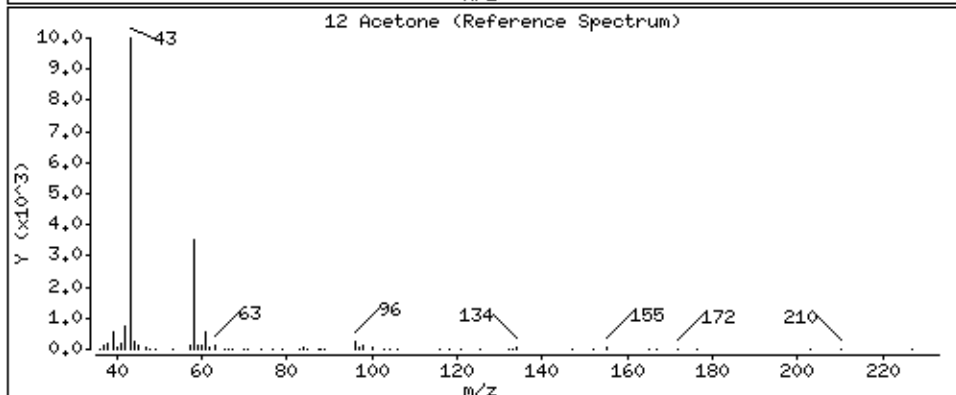
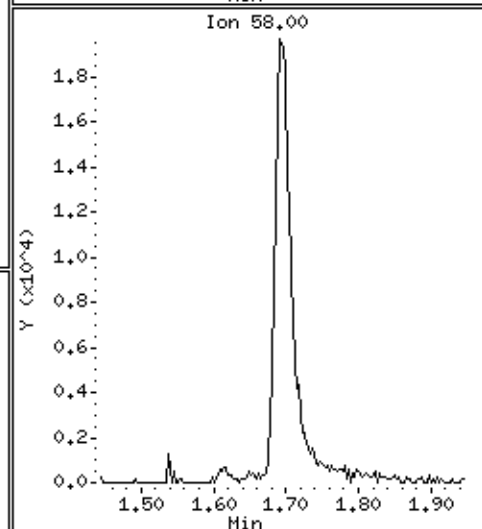
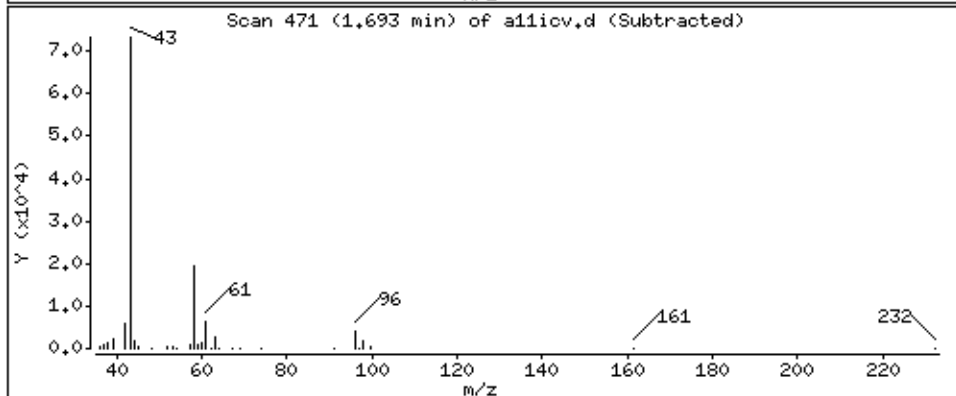
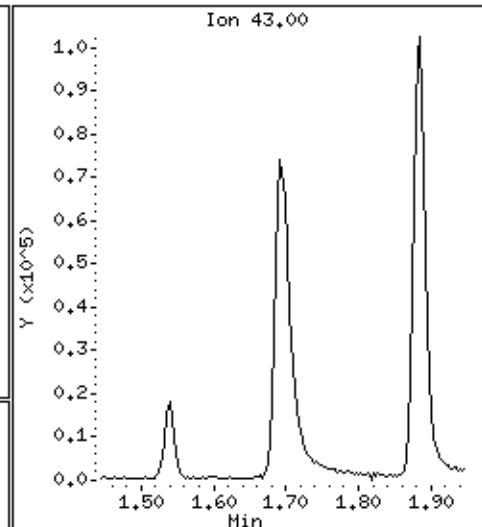
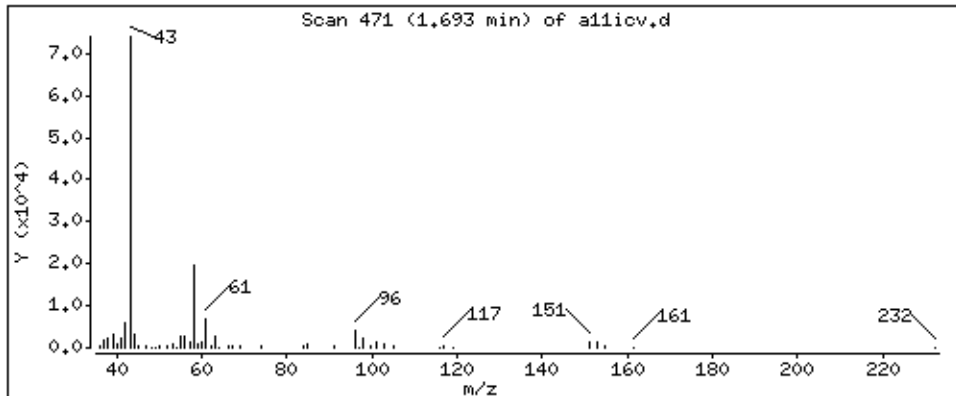
Operator: amv

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

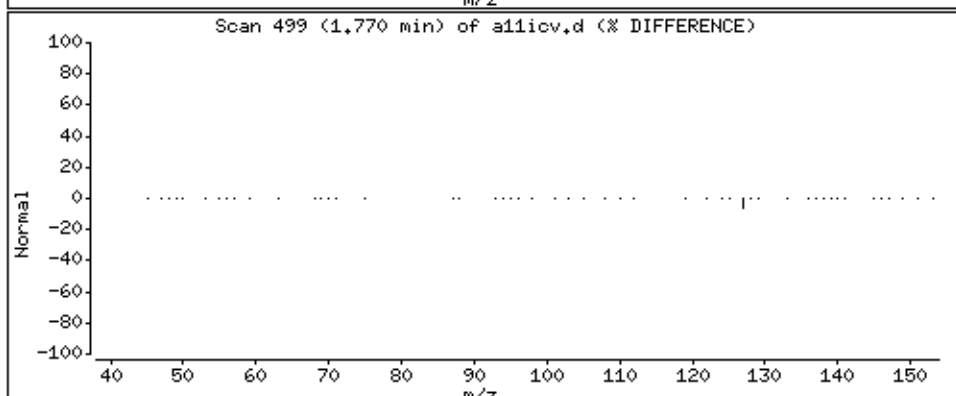
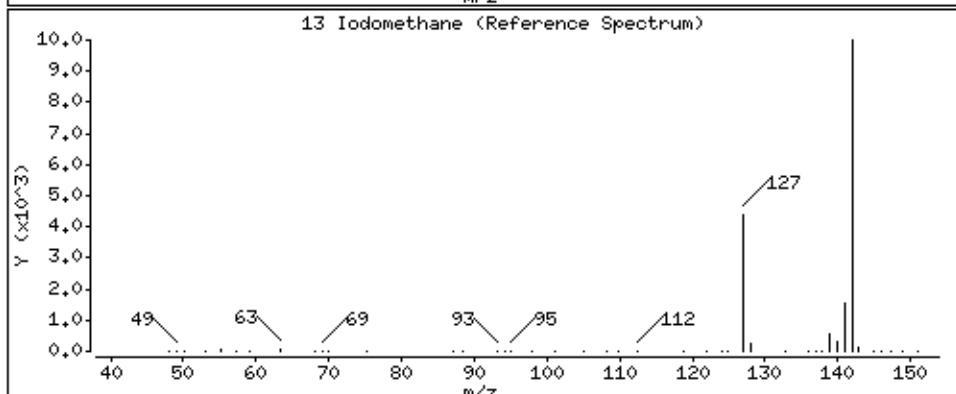
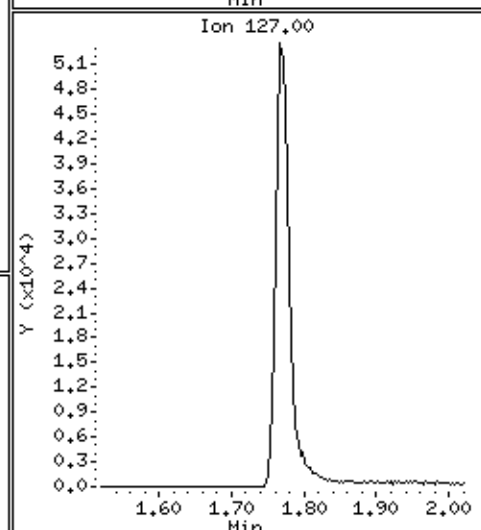
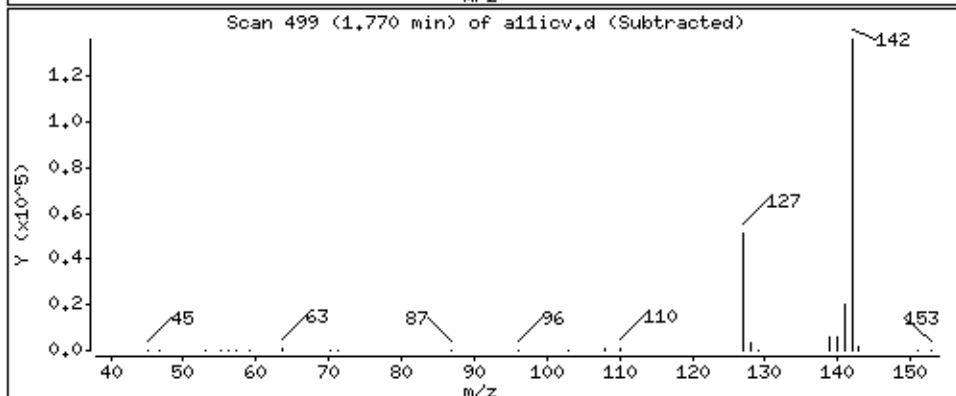
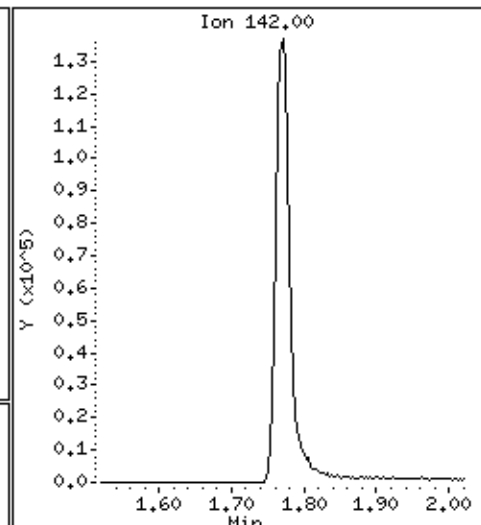
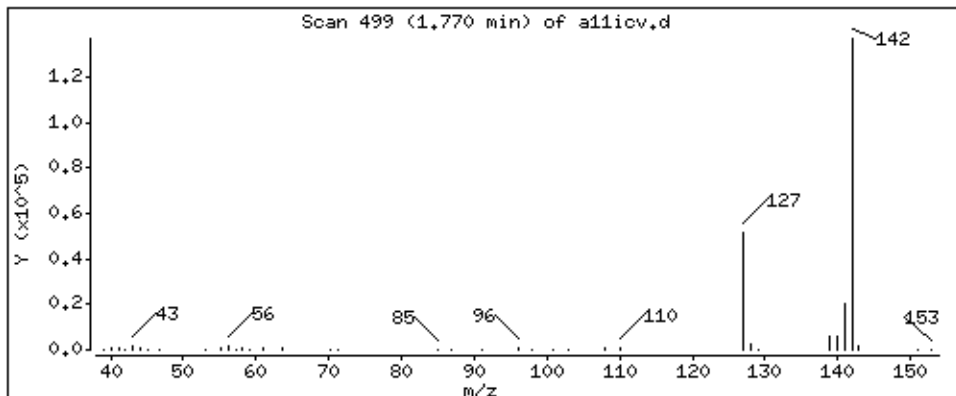
Operator: amv

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

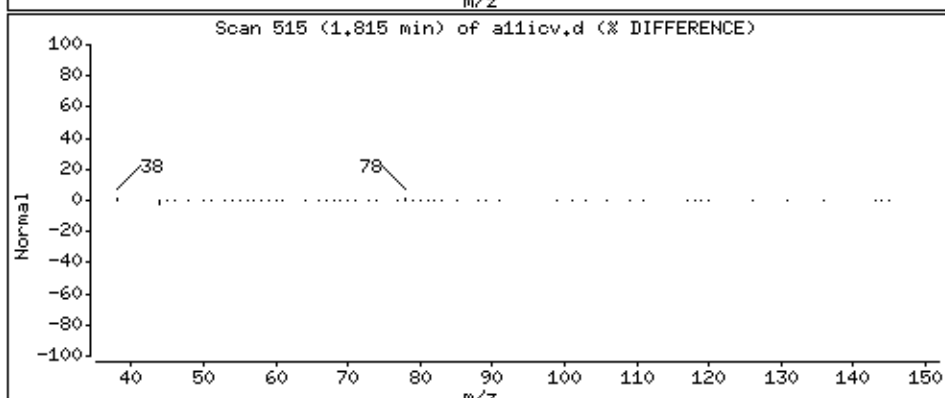
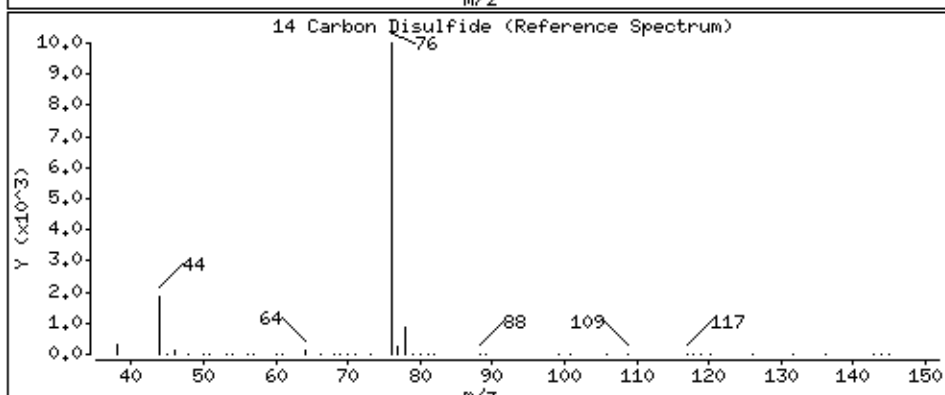
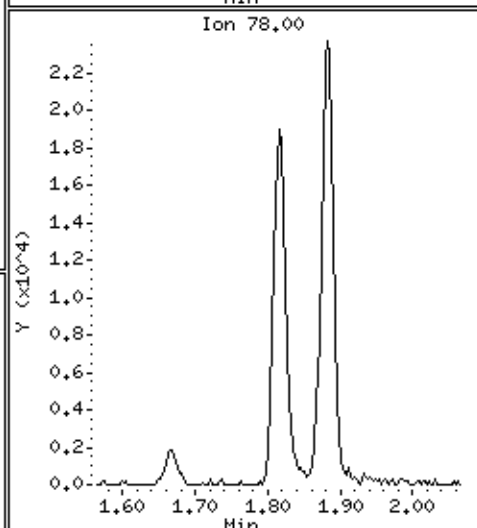
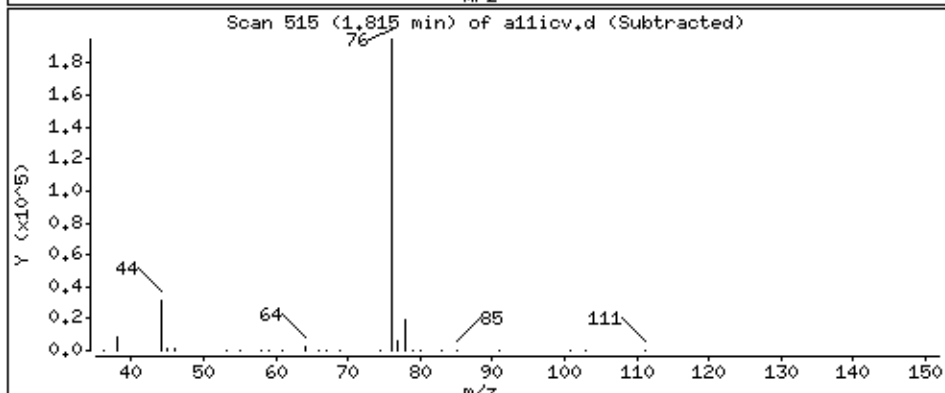
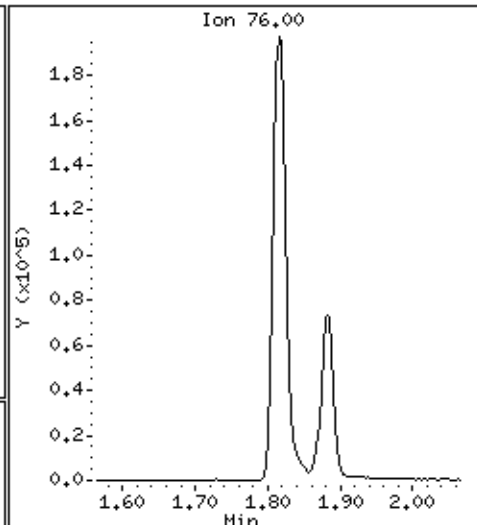
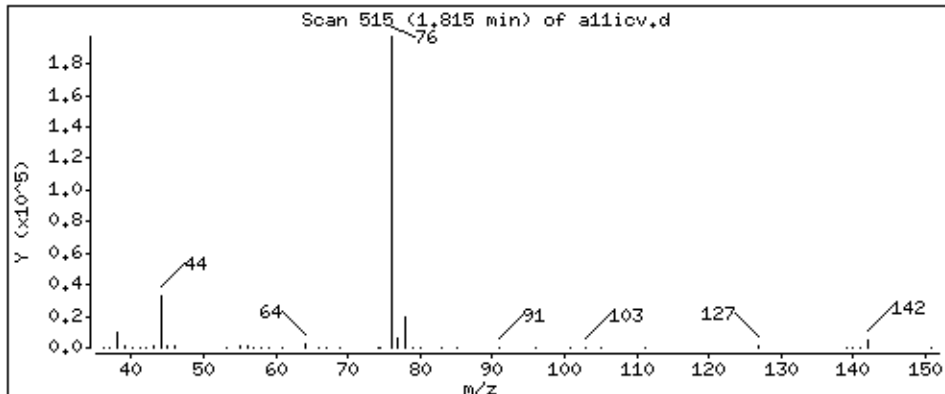
Operator: amv

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

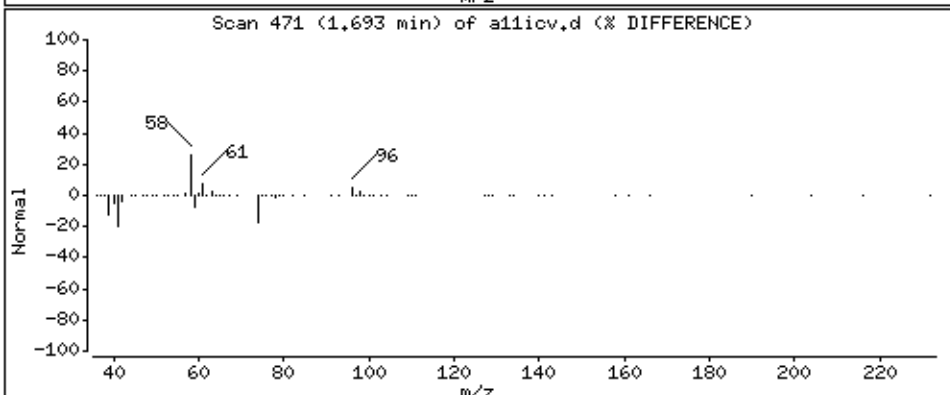
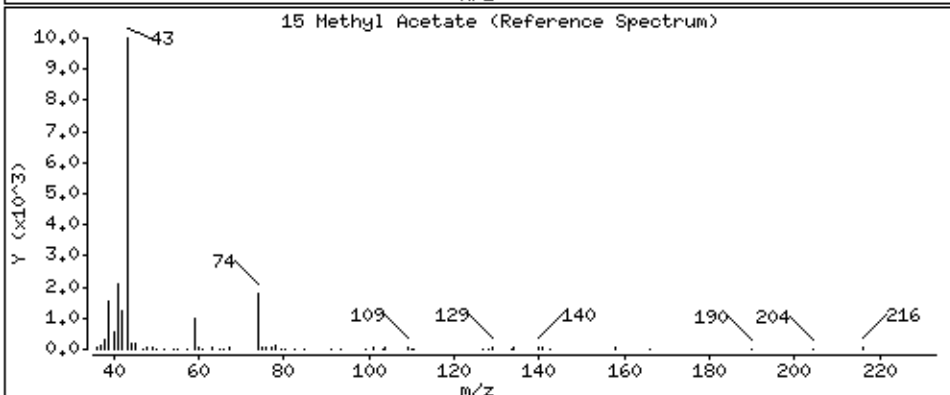
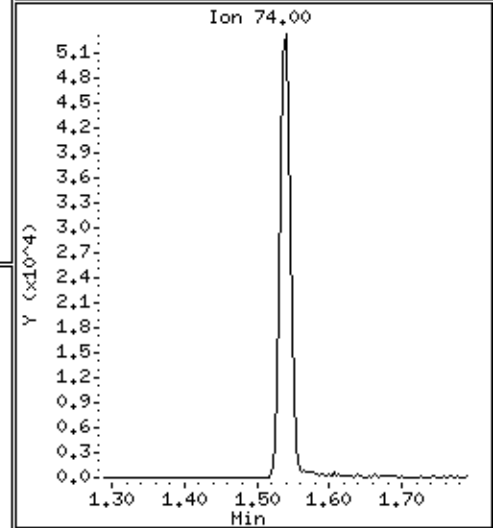
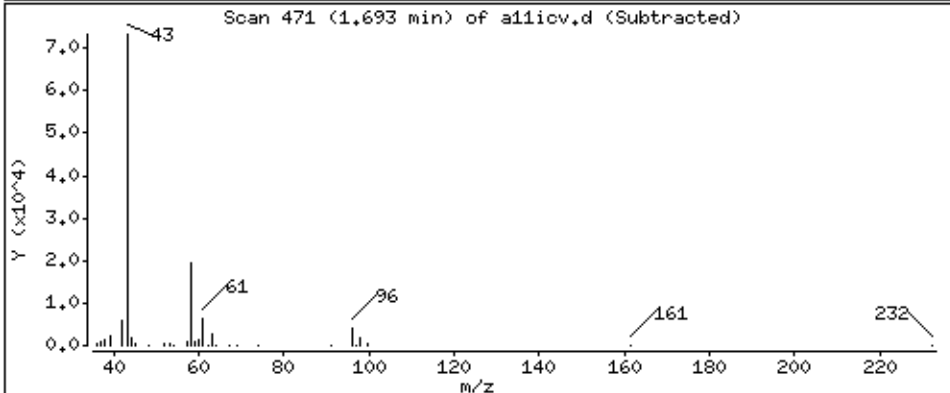
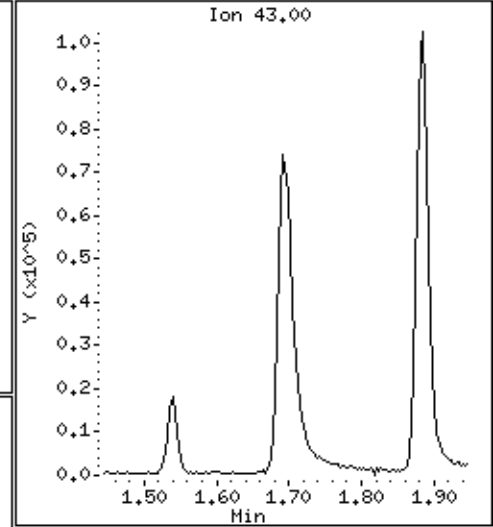
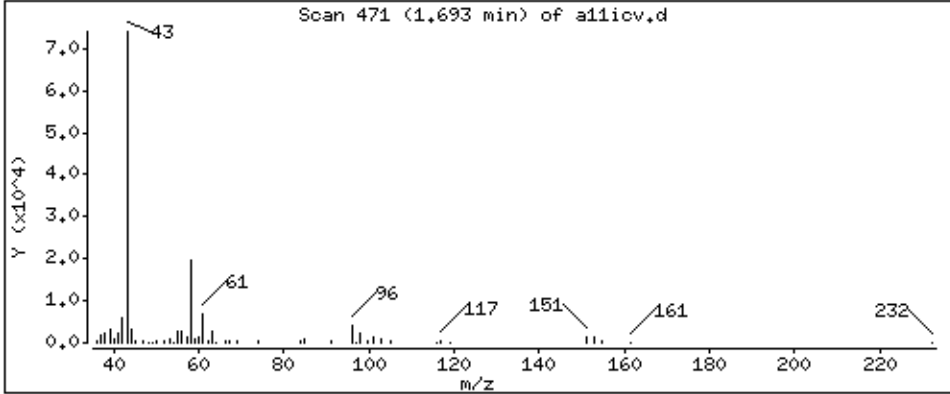
Operator: amv

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

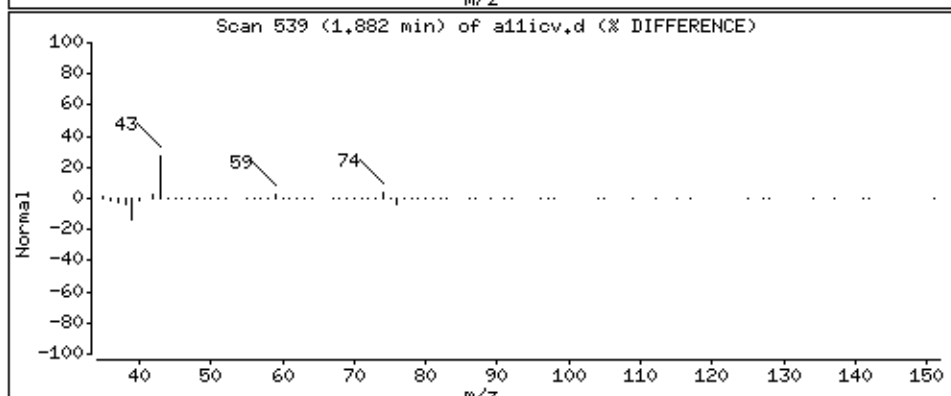
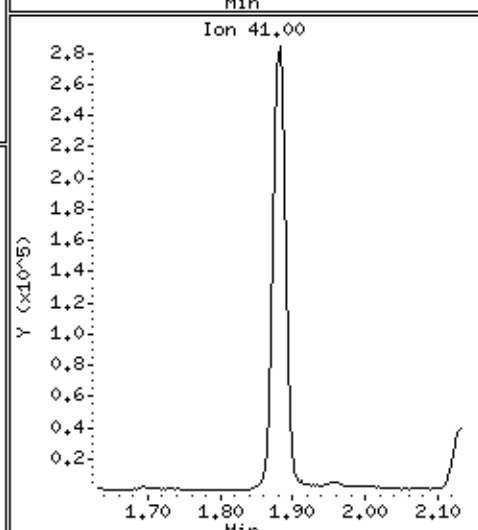
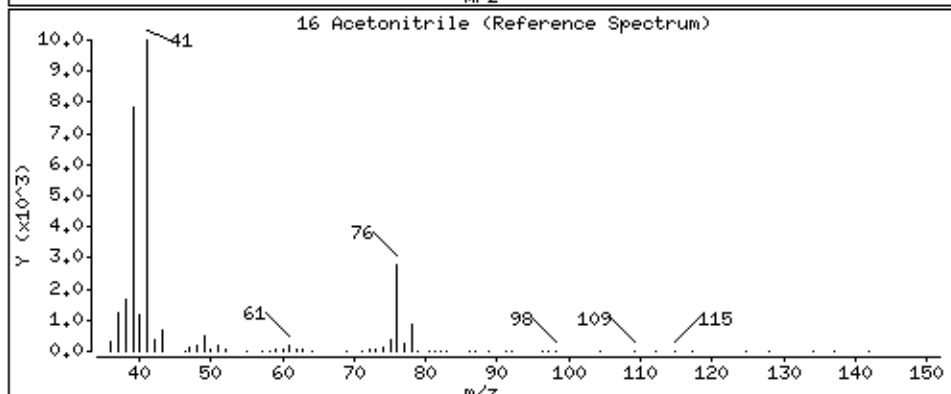
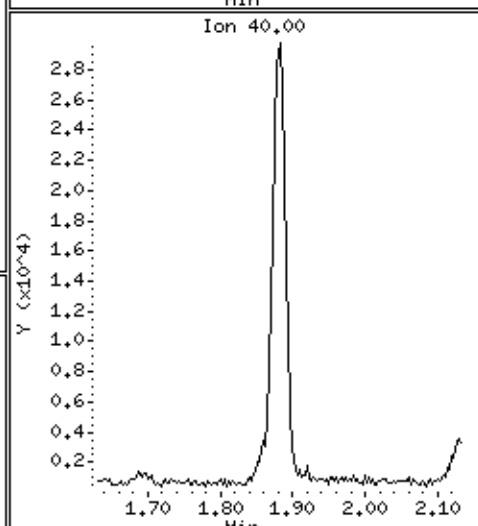
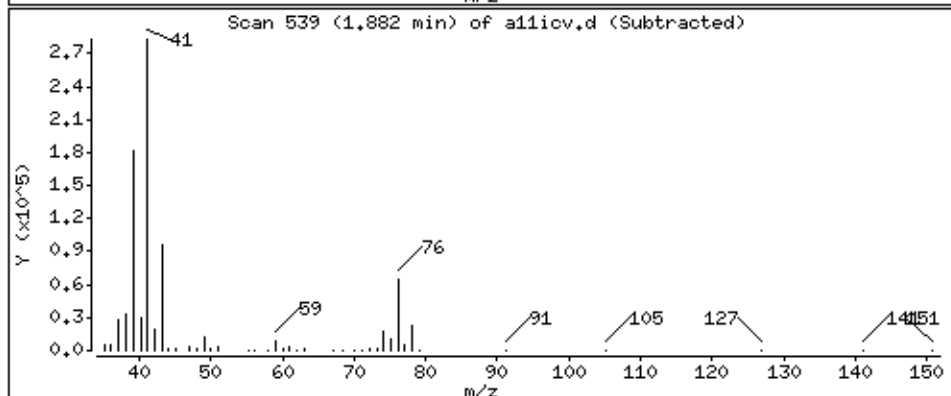
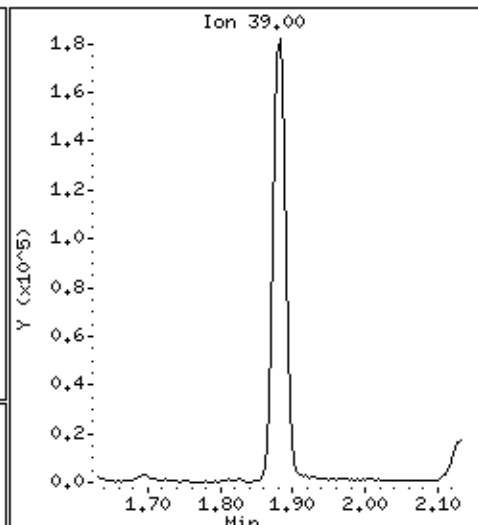
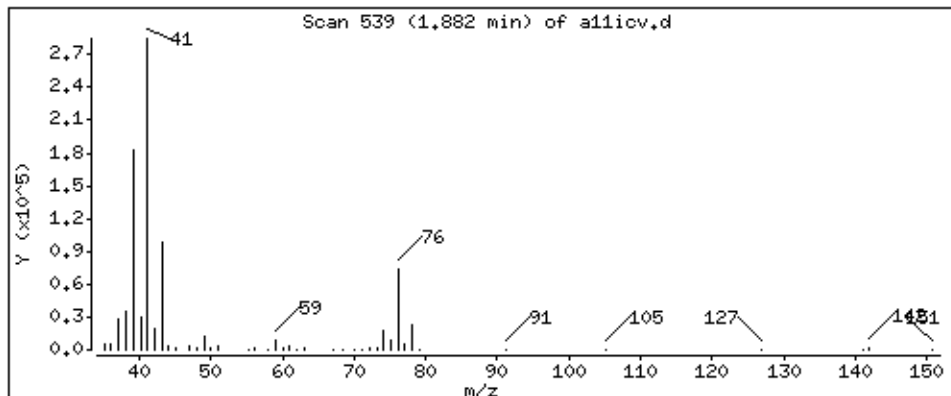
Operator: amv

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

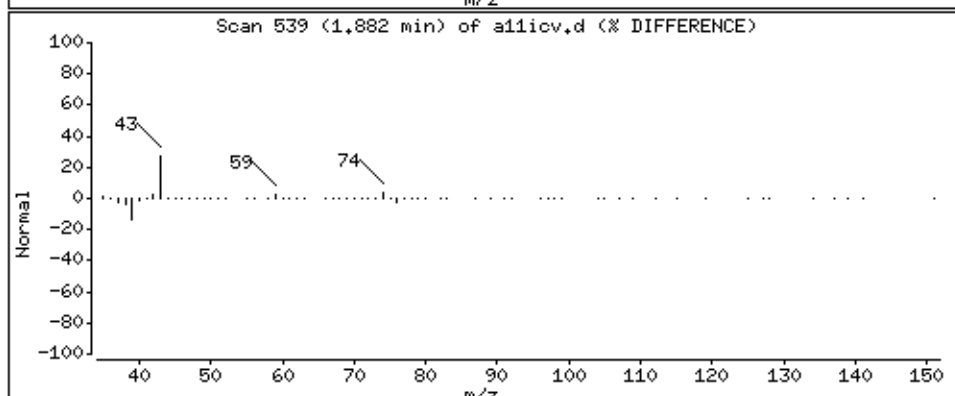
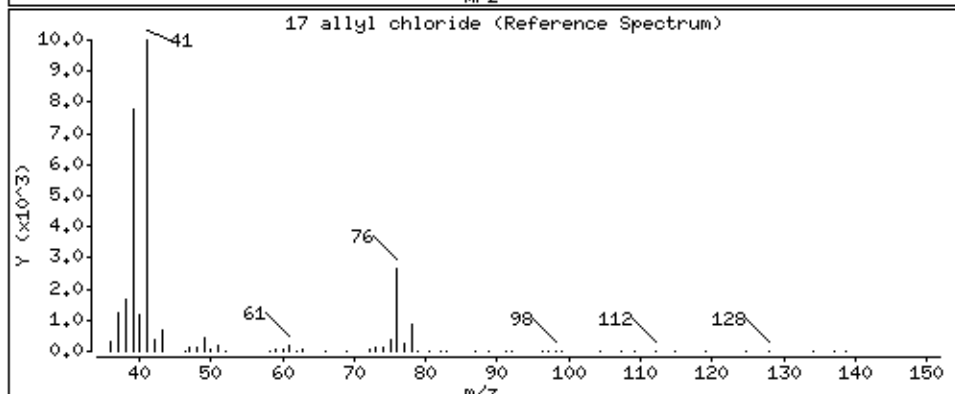
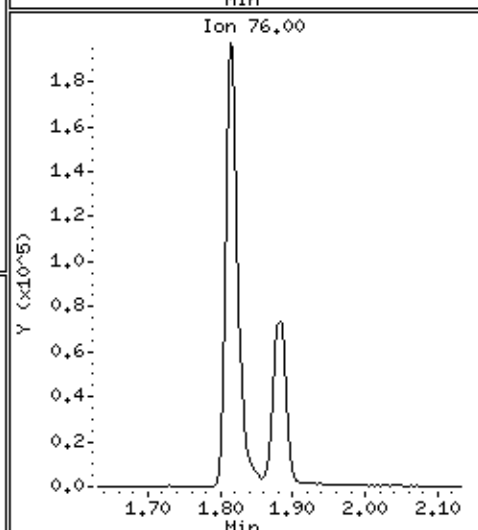
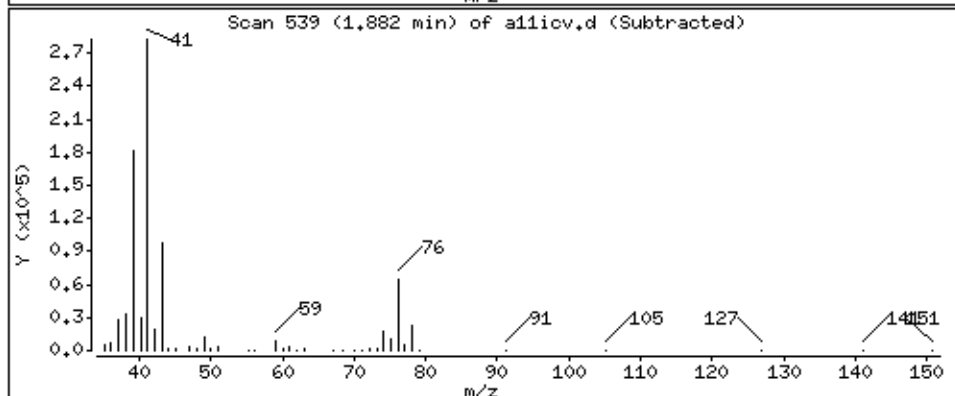
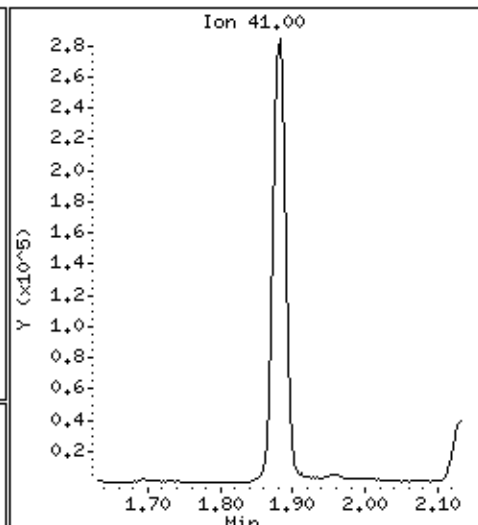
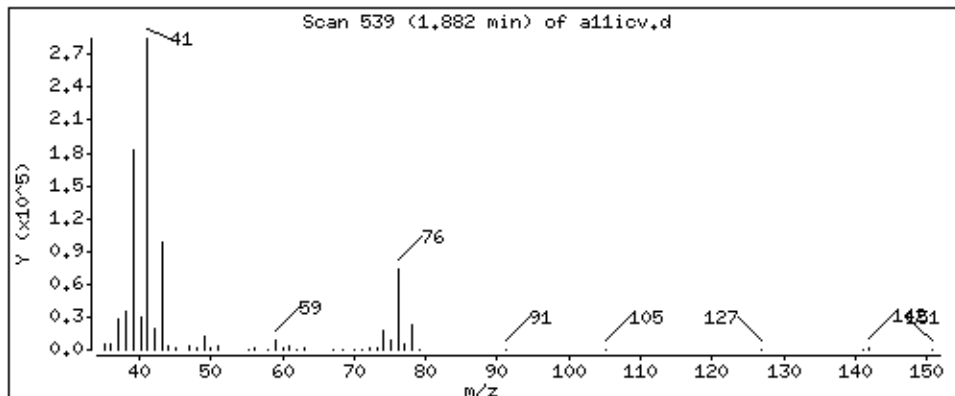
Operator: amv

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

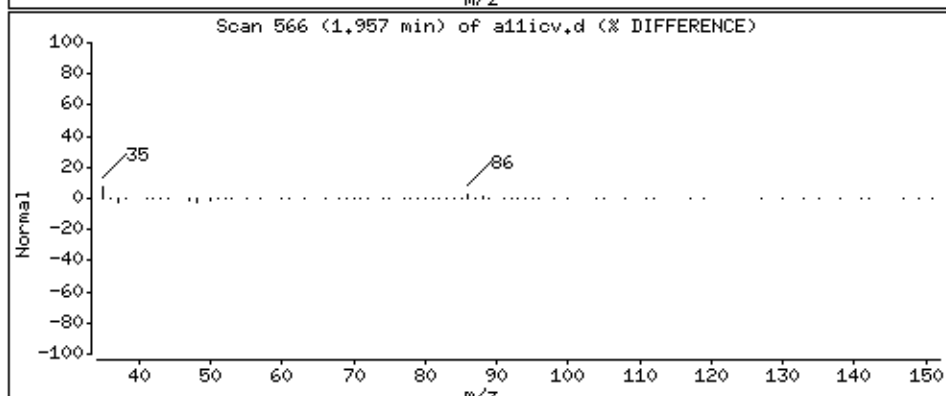
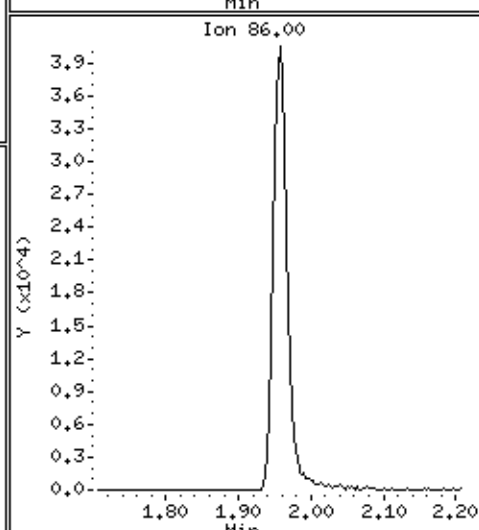
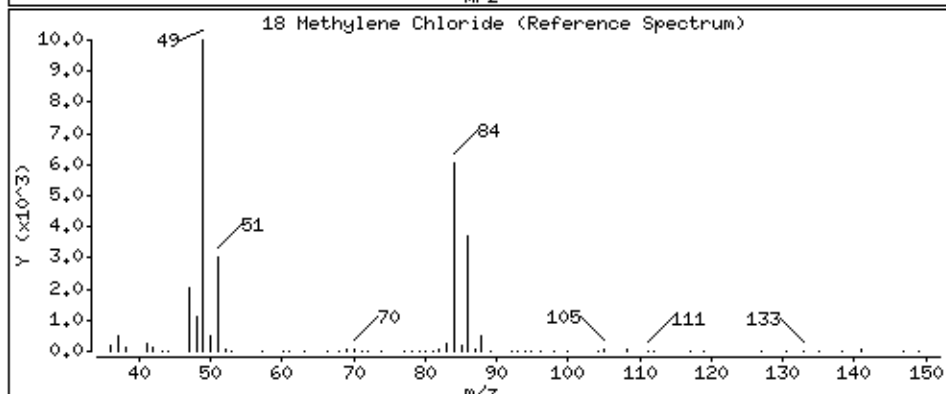
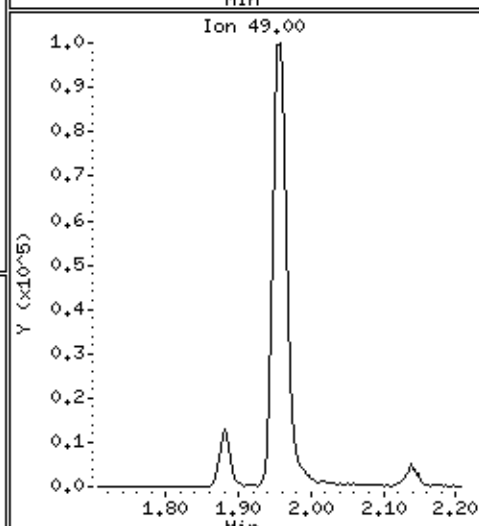
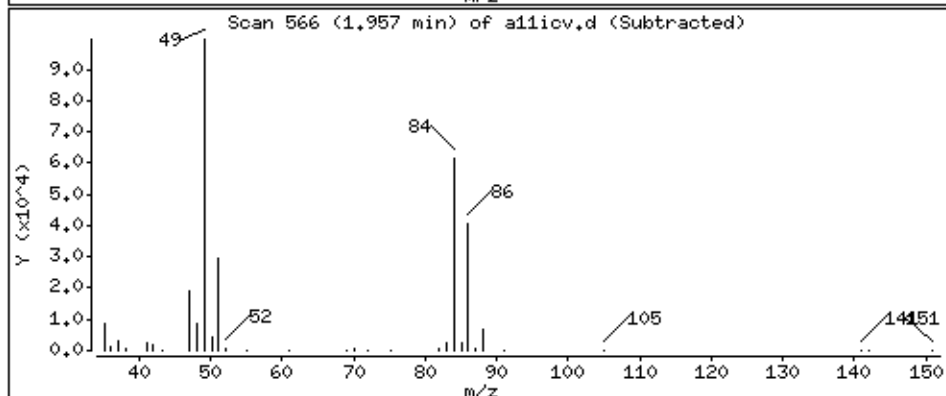
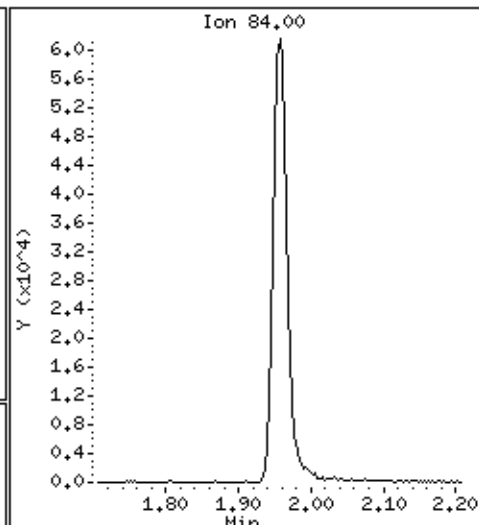
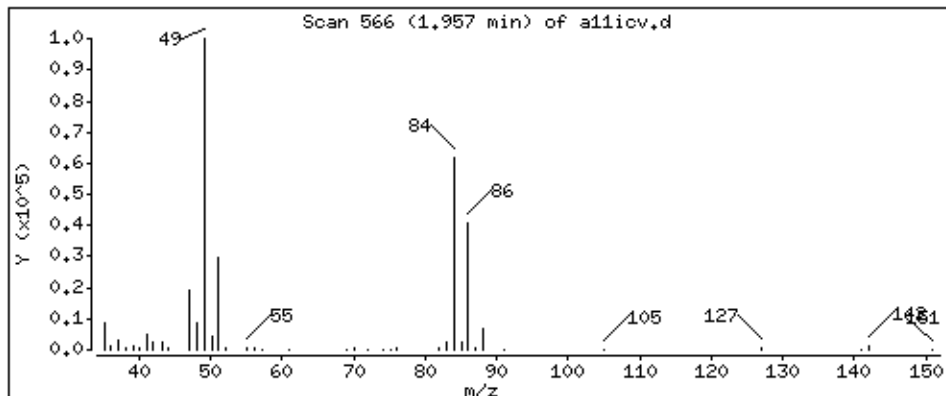
Operator: amv

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

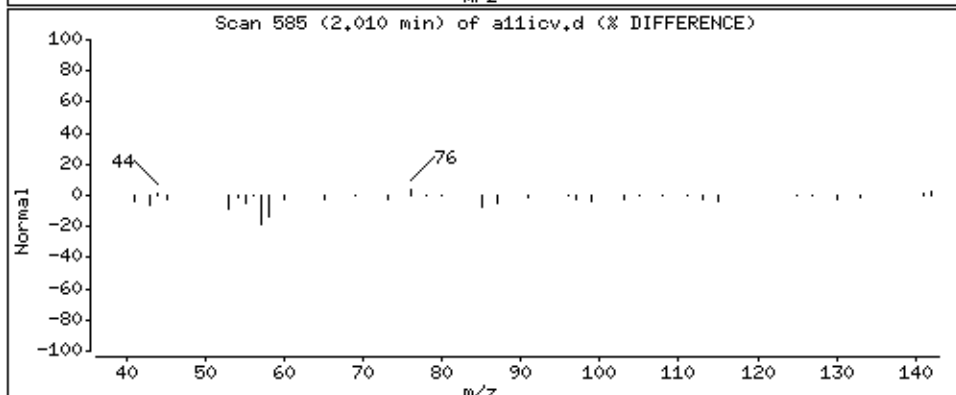
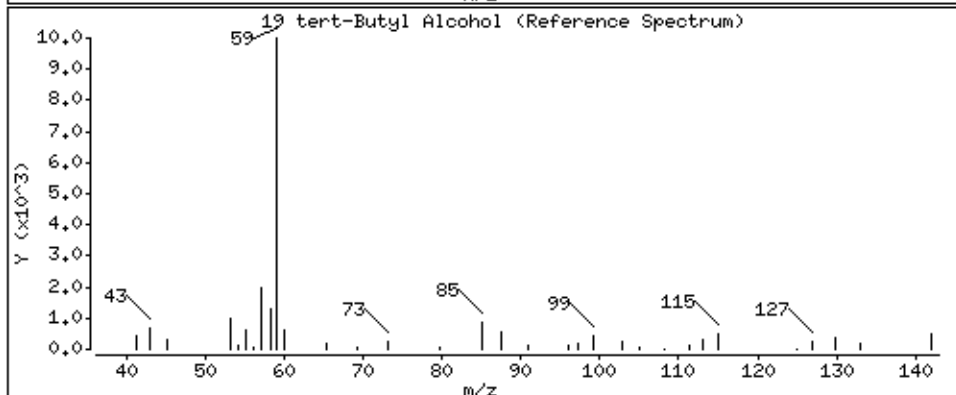
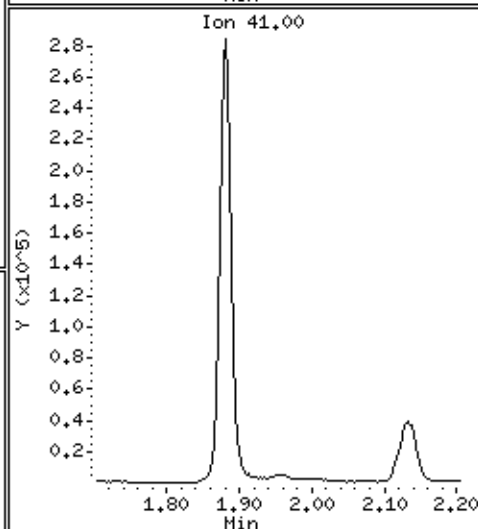
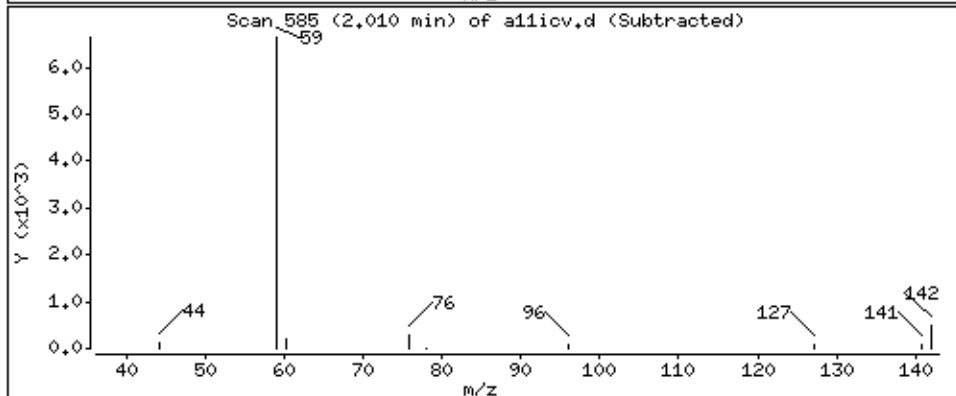
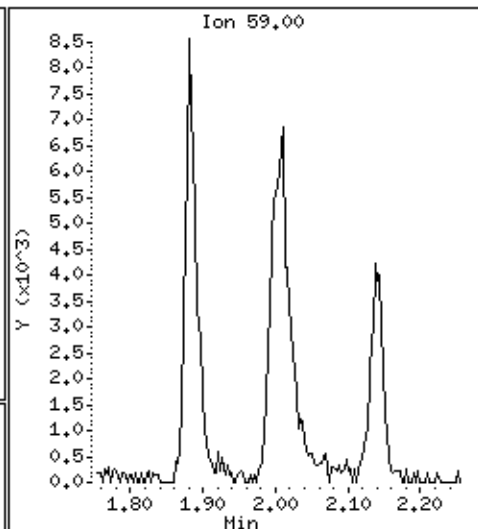
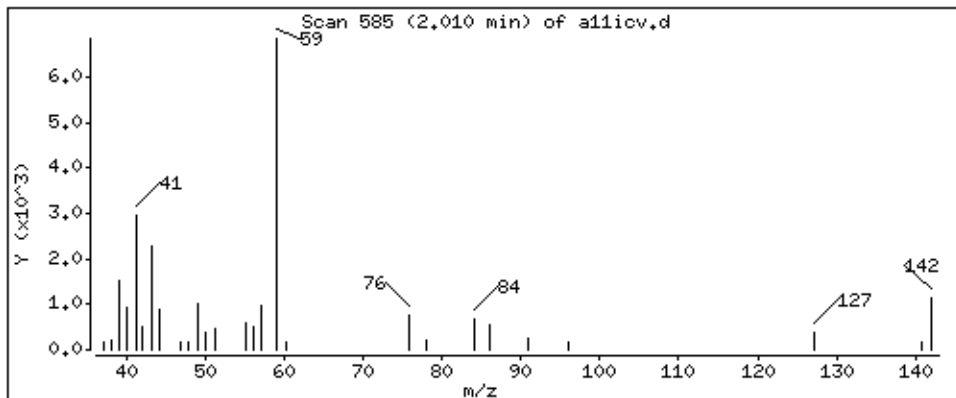
Operator: amv

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

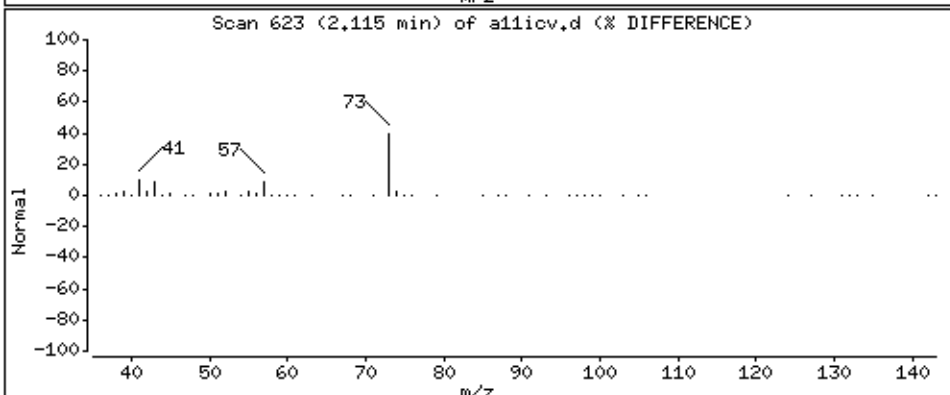
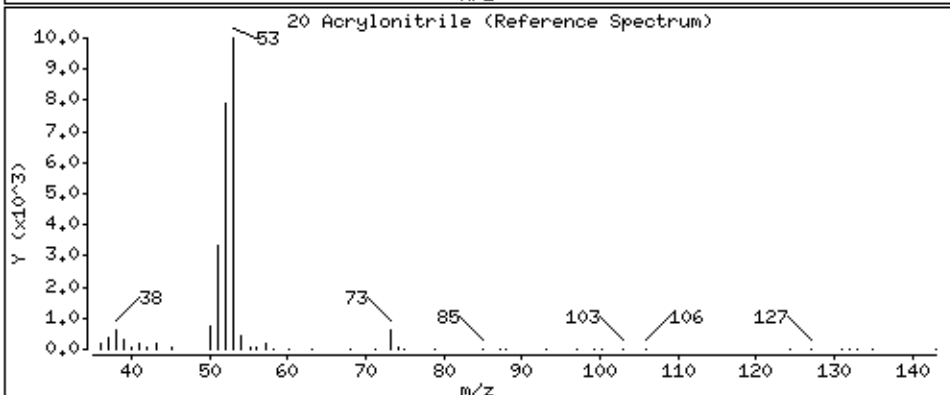
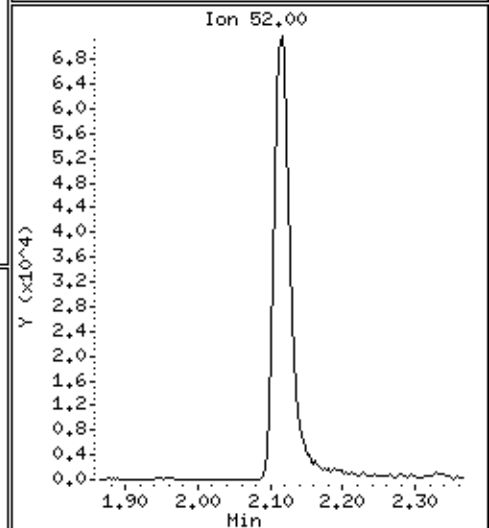
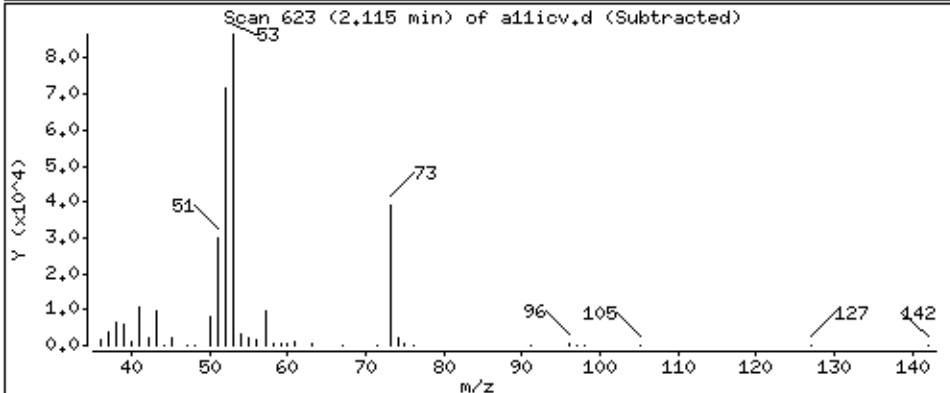
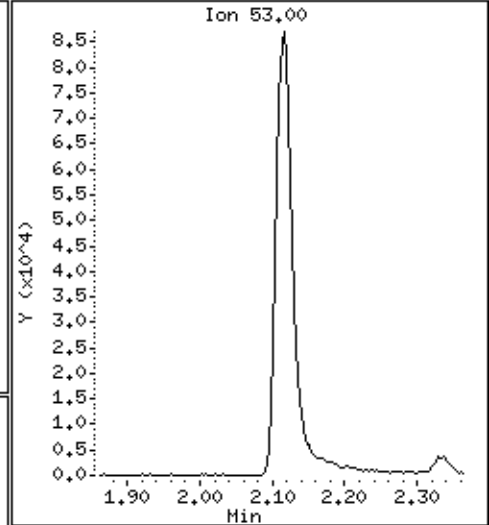
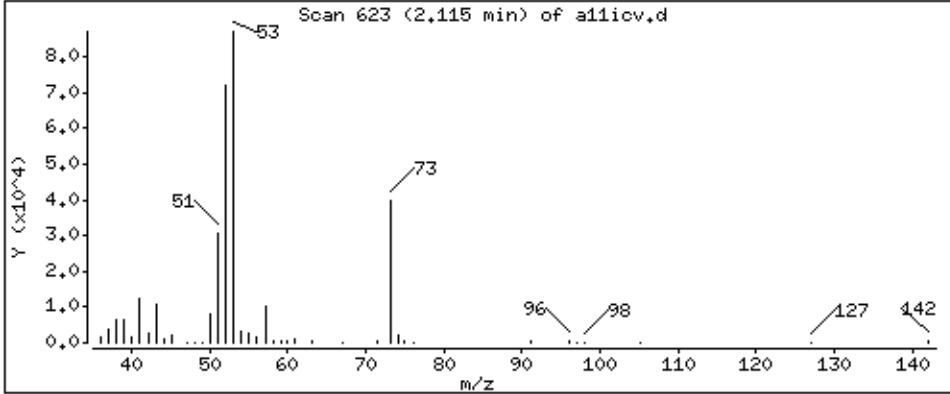
Operator: amv

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

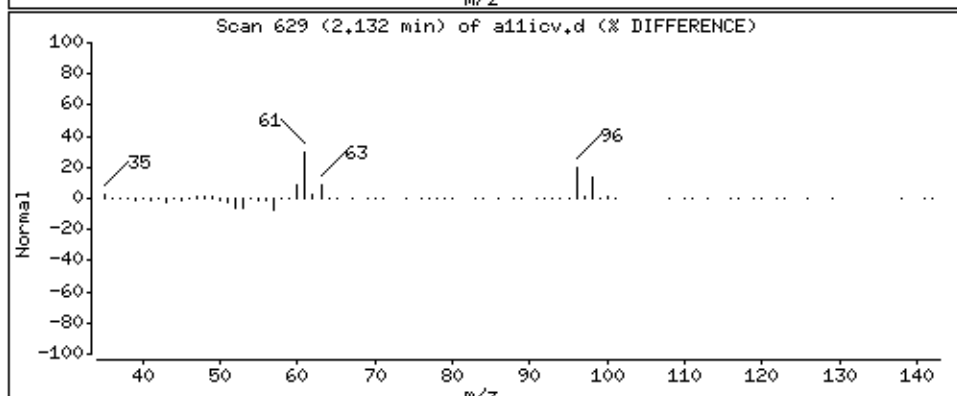
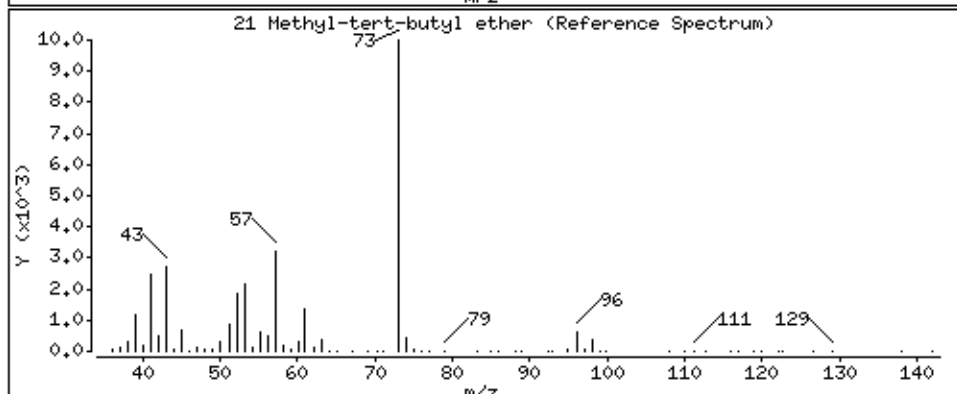
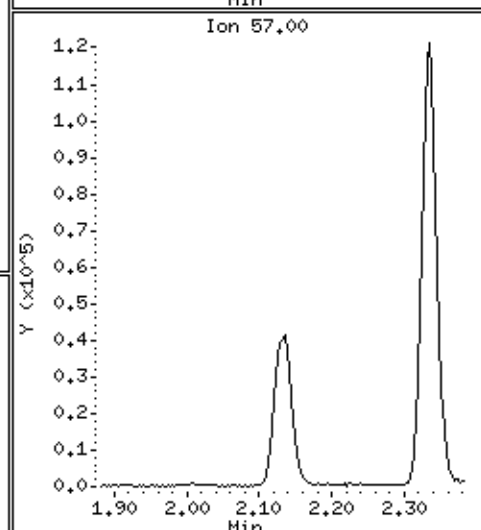
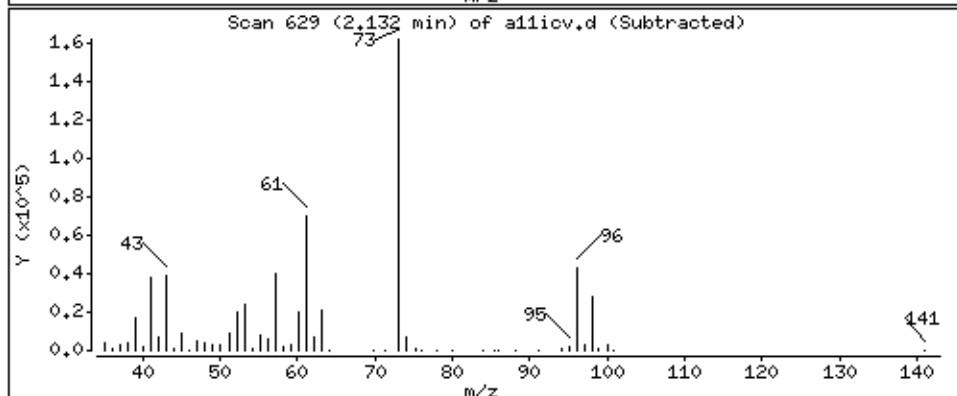
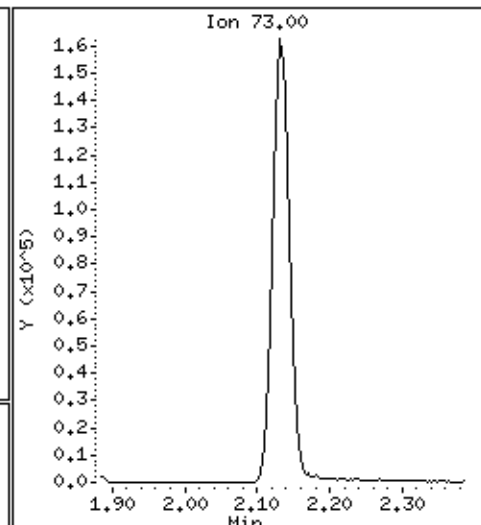
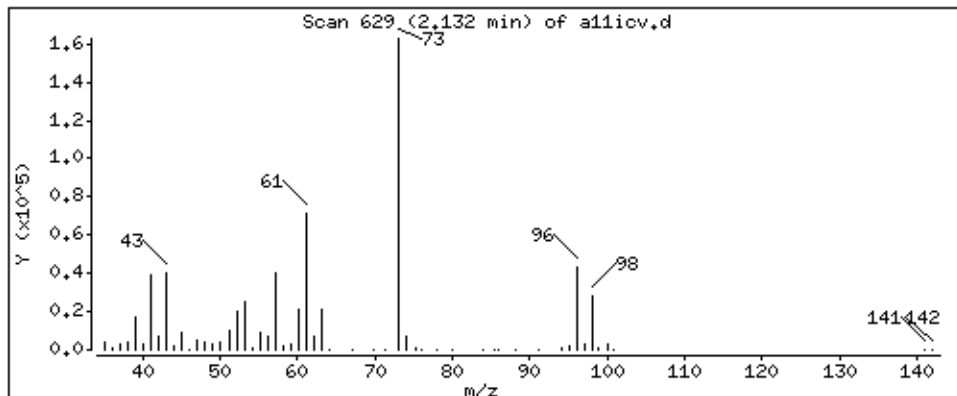
Operator: amv

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: 50mw2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

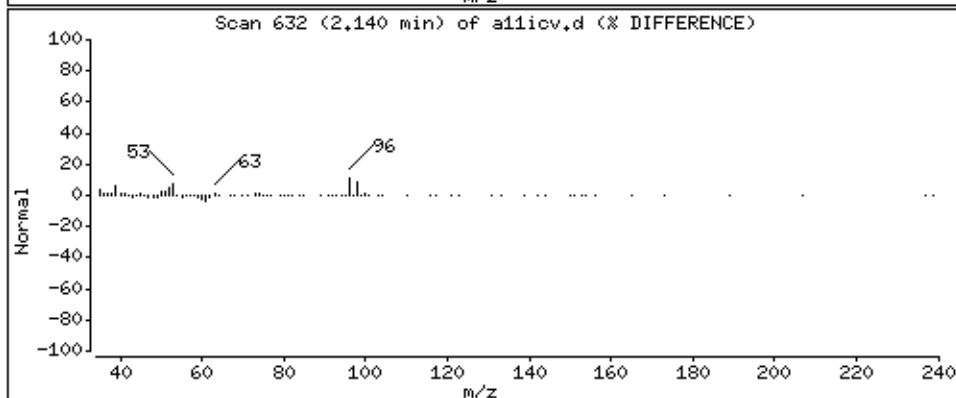
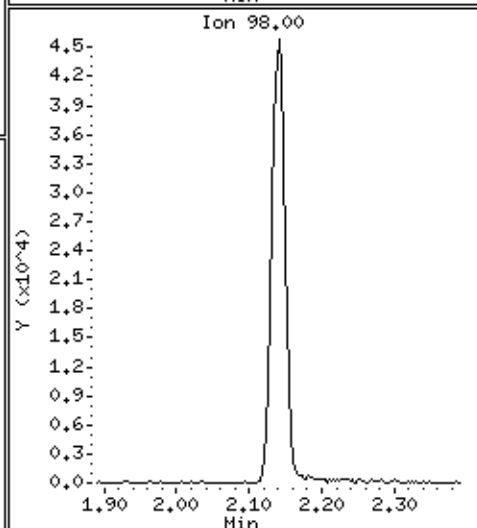
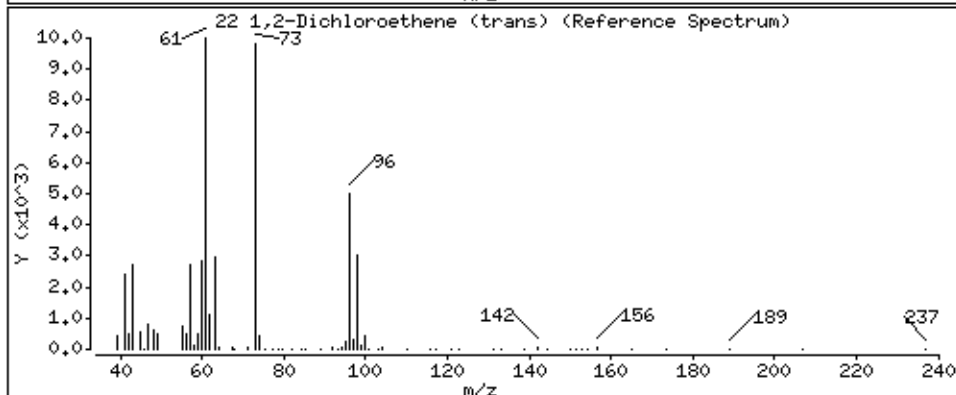
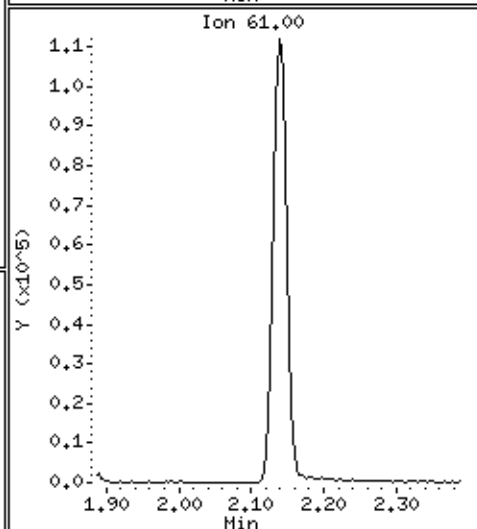
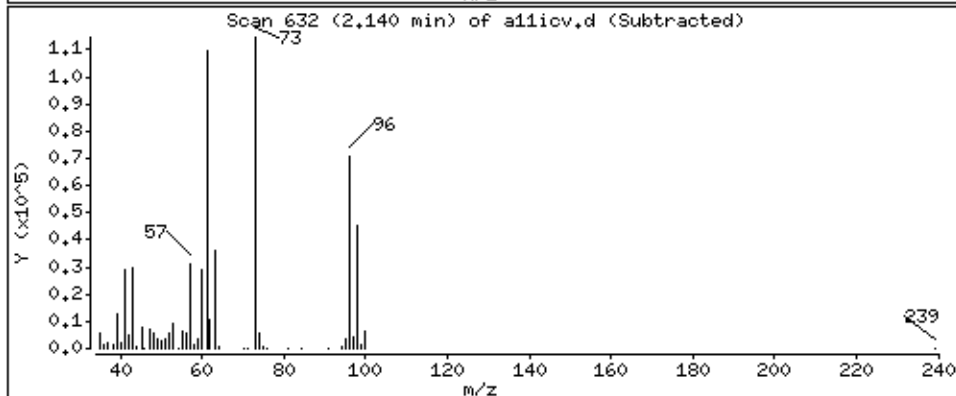
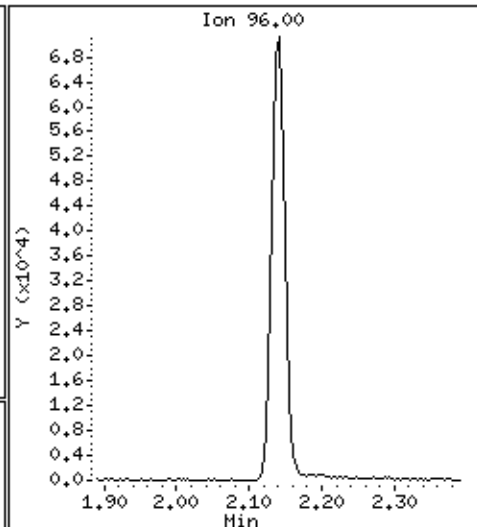
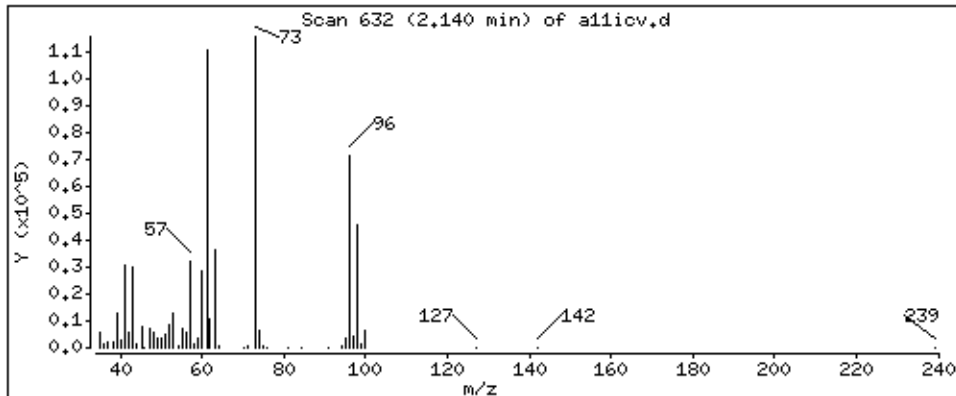
Operator: amv

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

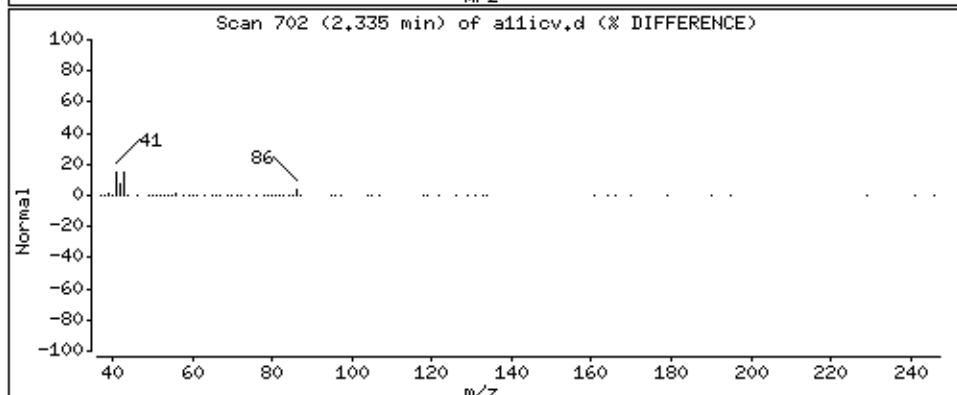
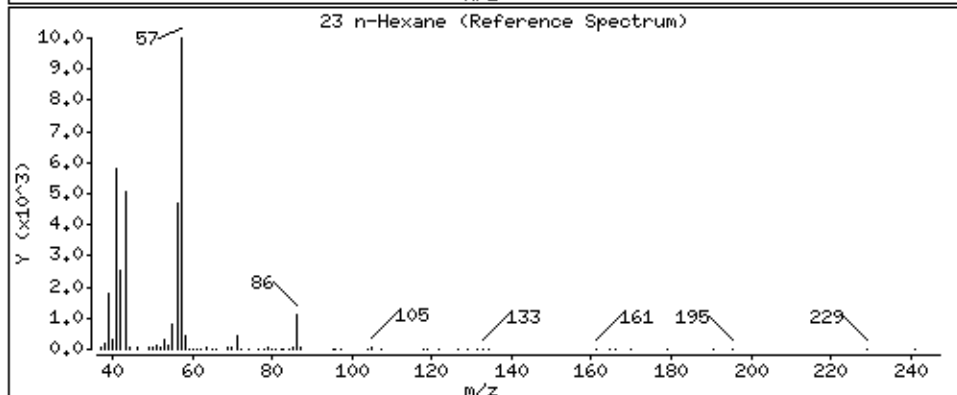
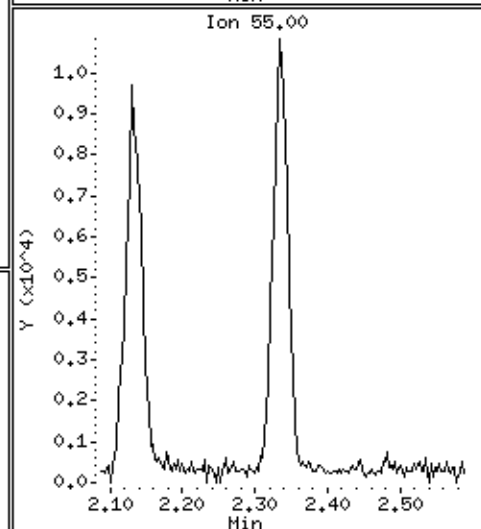
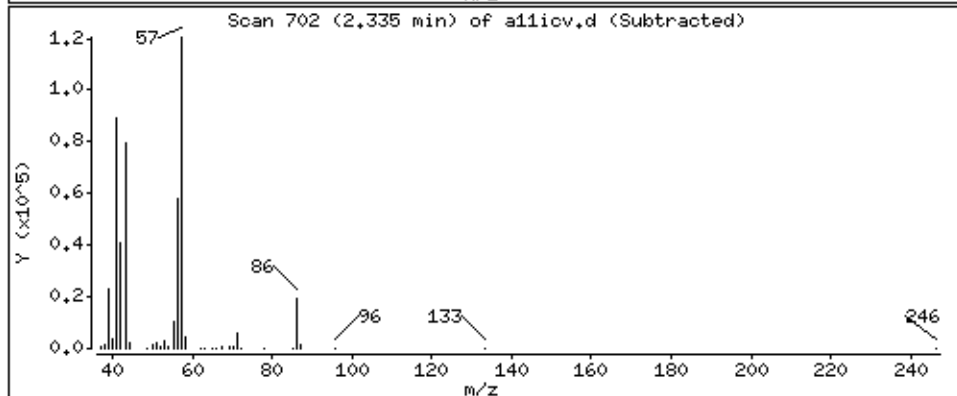
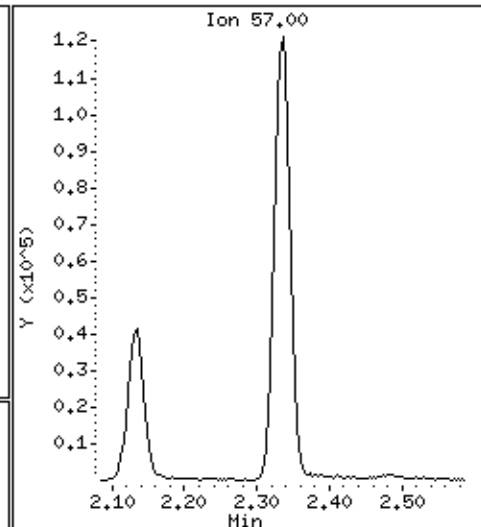
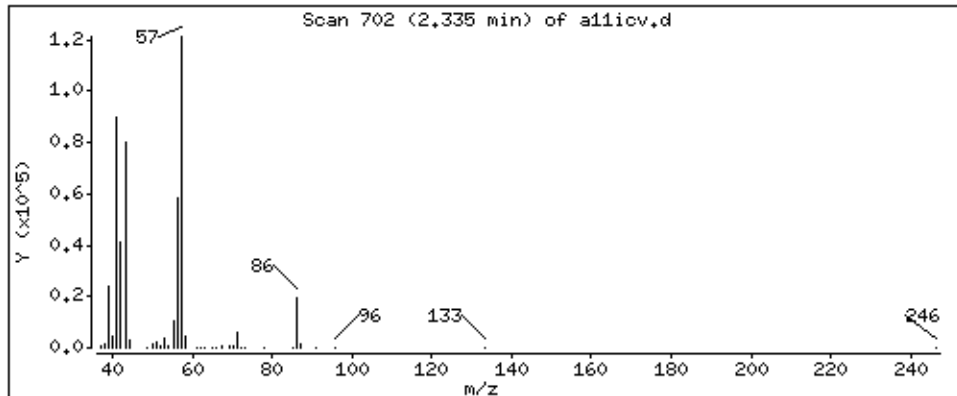
Operator: amv

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

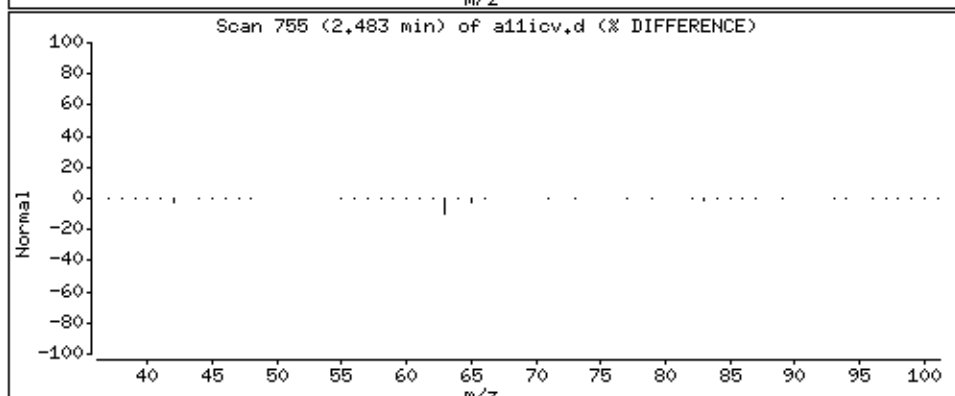
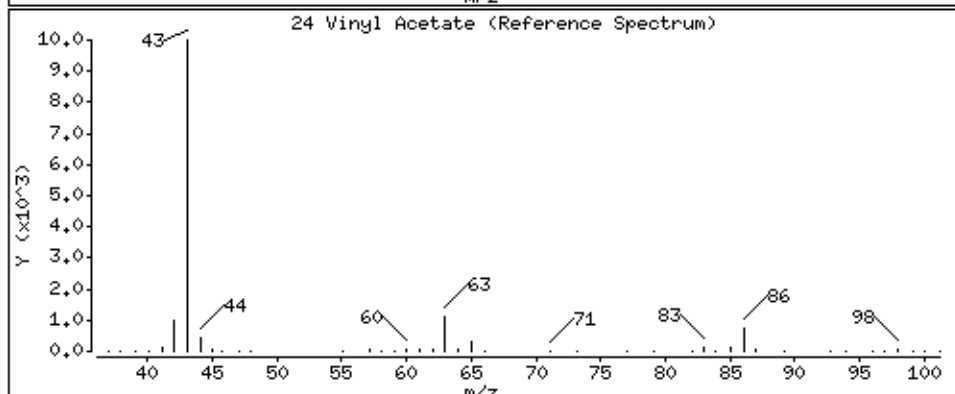
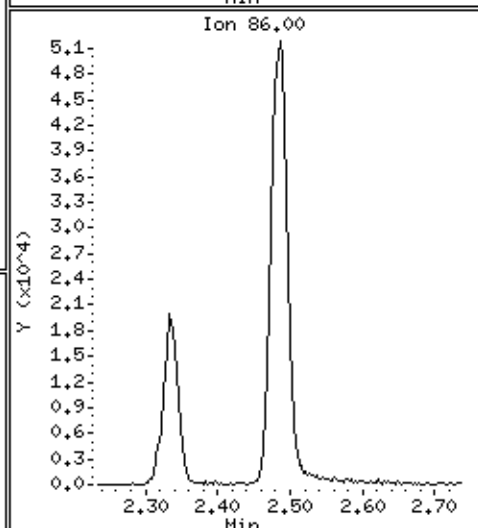
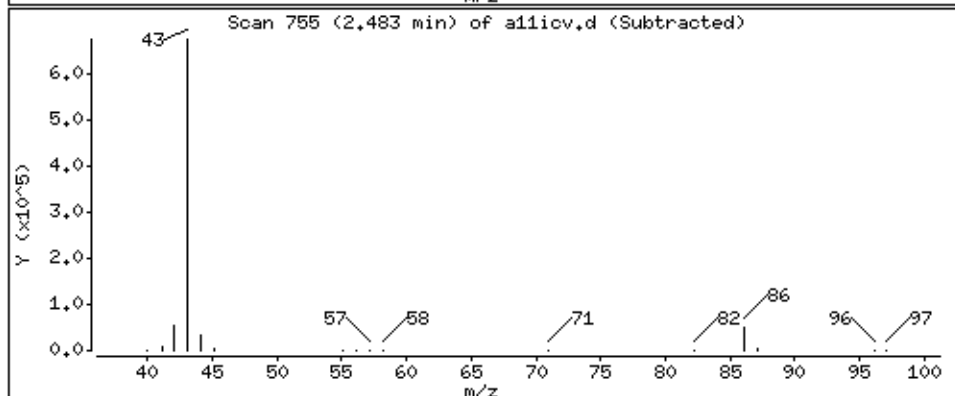
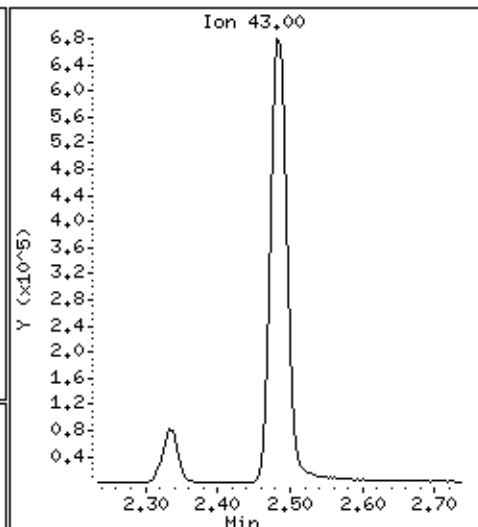
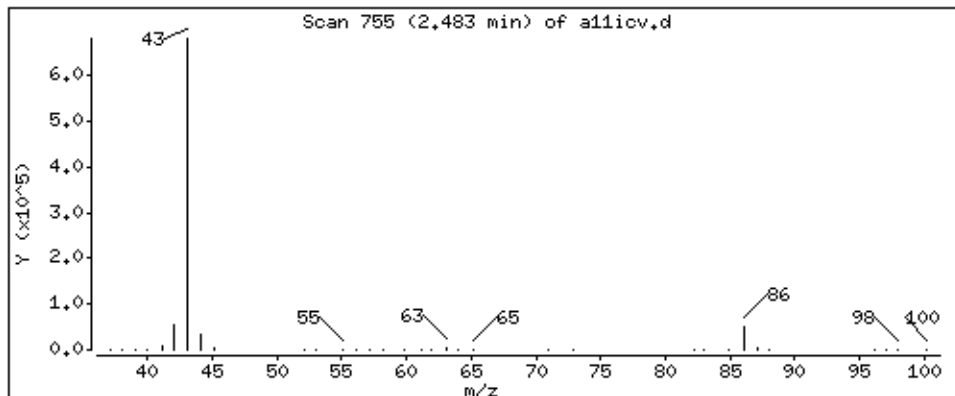
Operator: amv

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

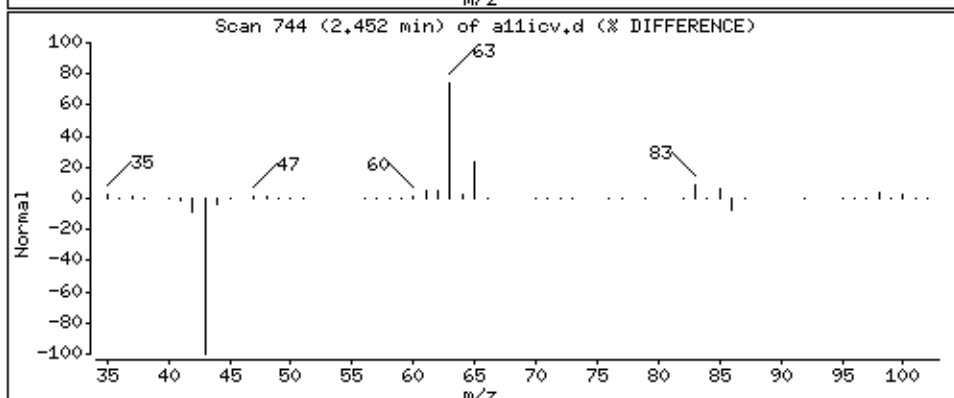
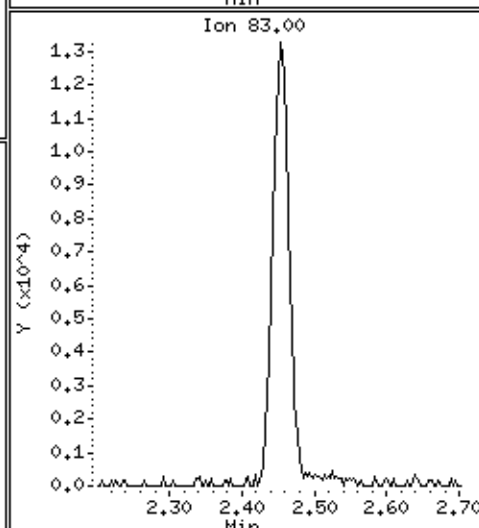
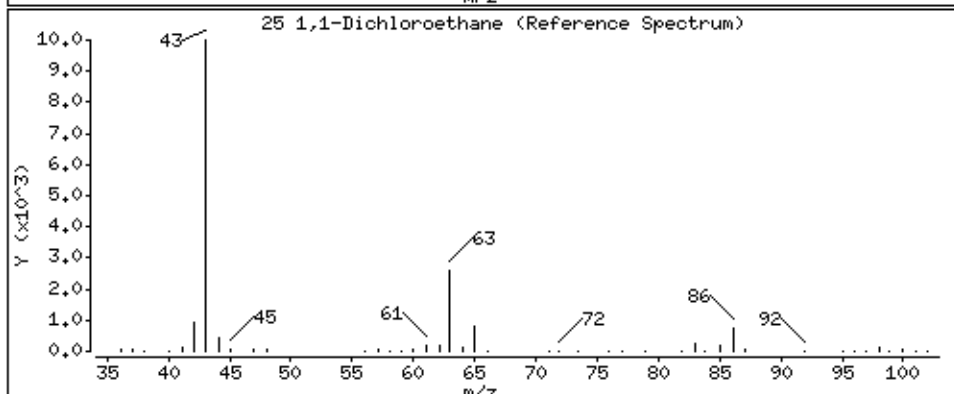
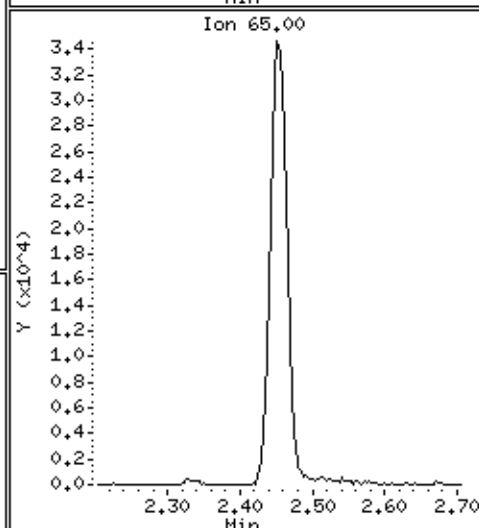
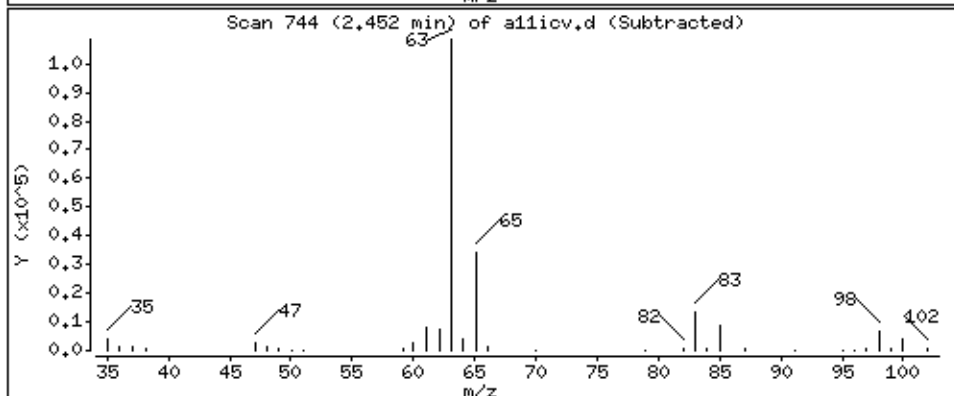
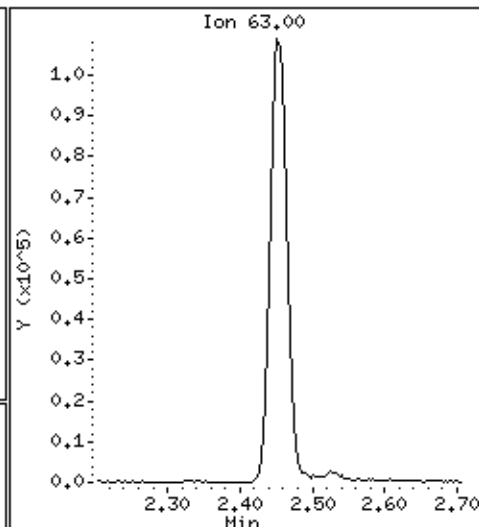
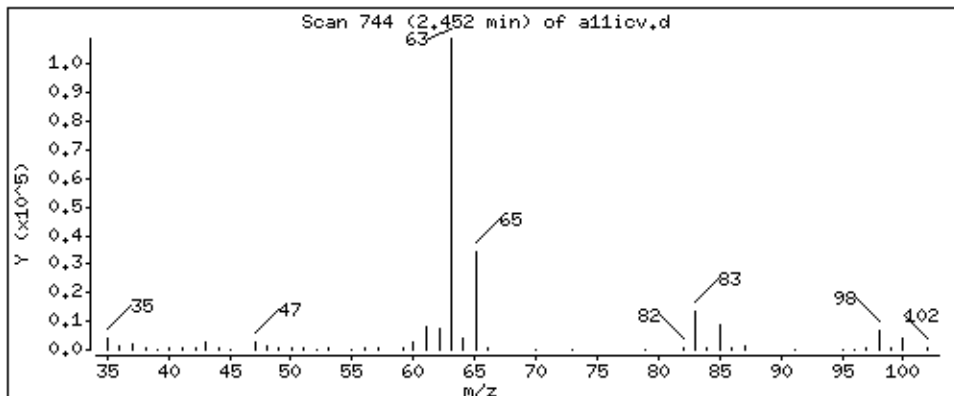
Operator: amv

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

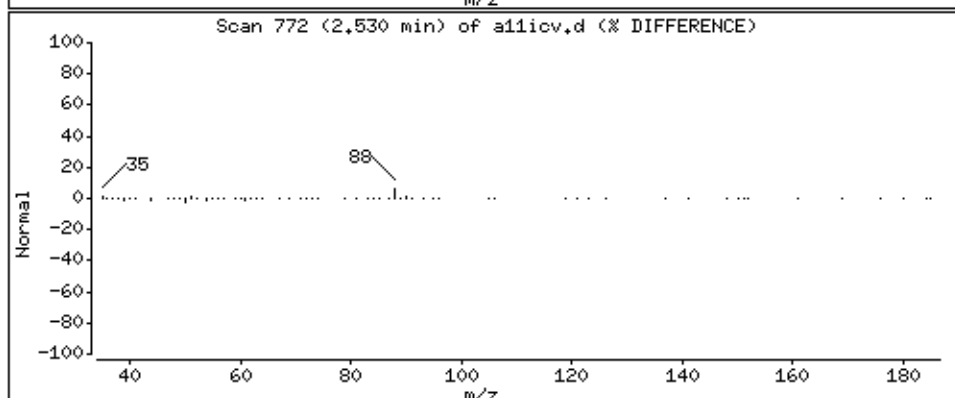
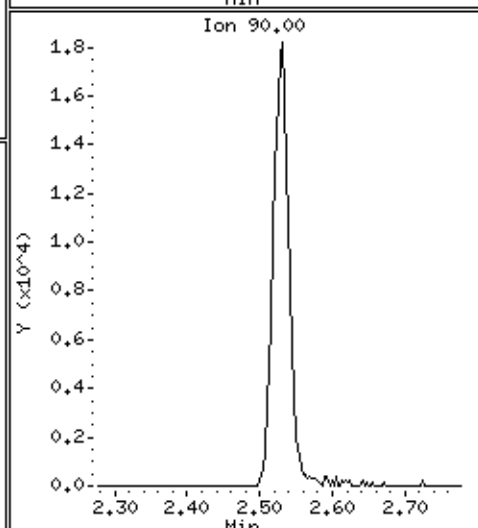
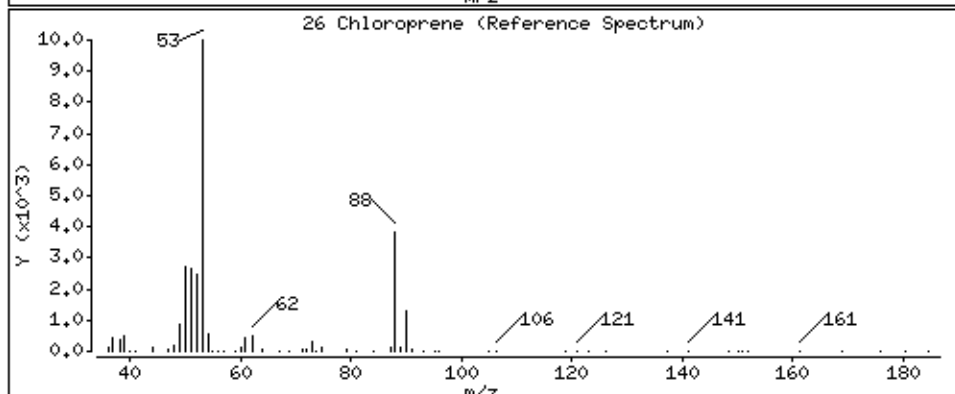
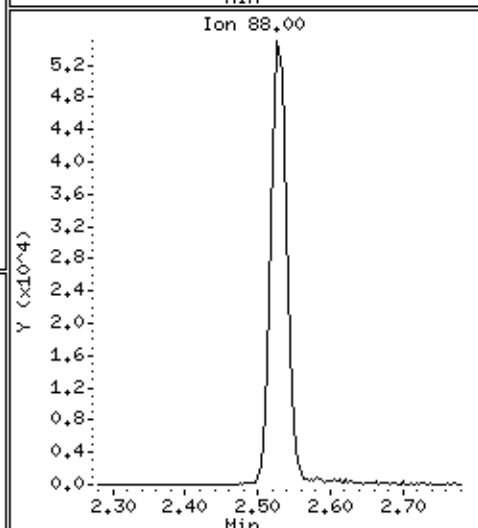
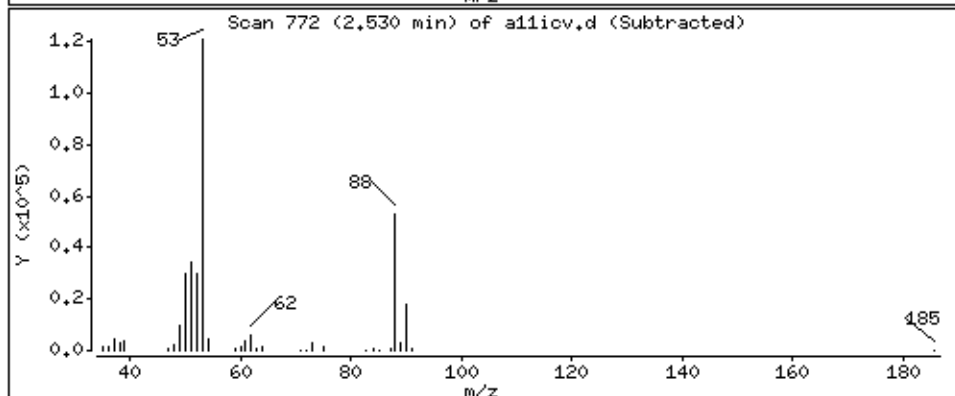
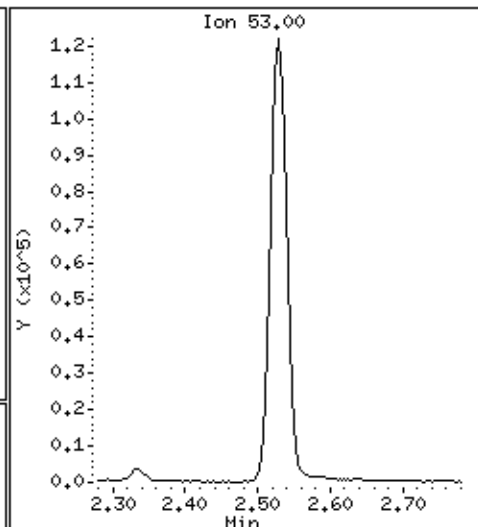
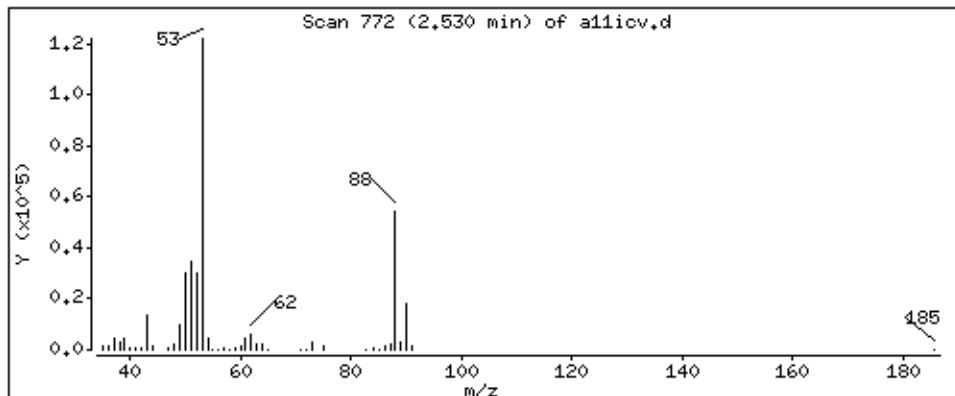
Operator: amv

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

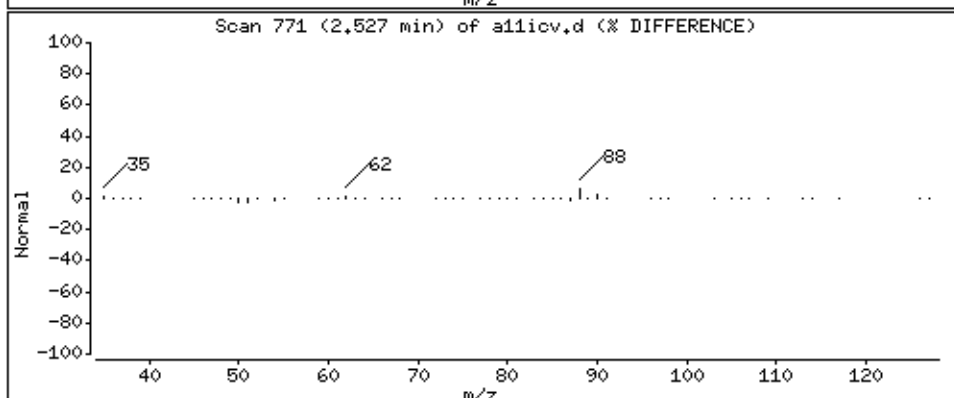
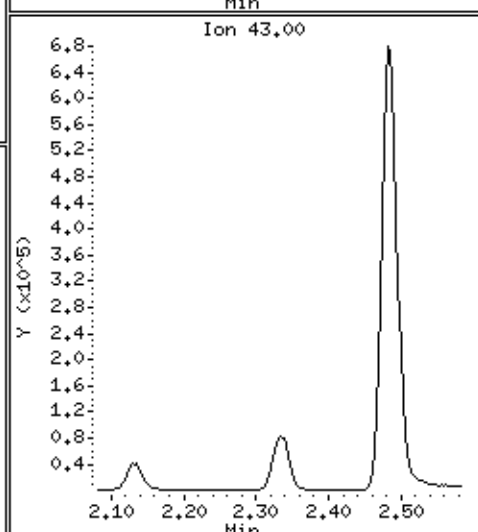
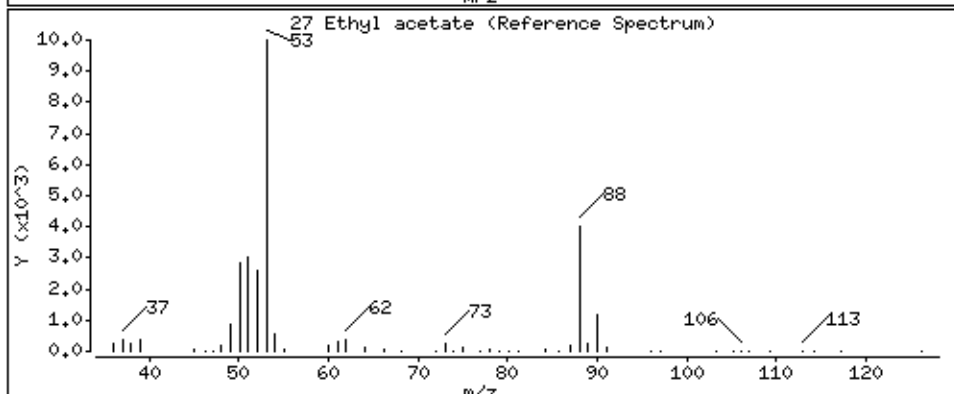
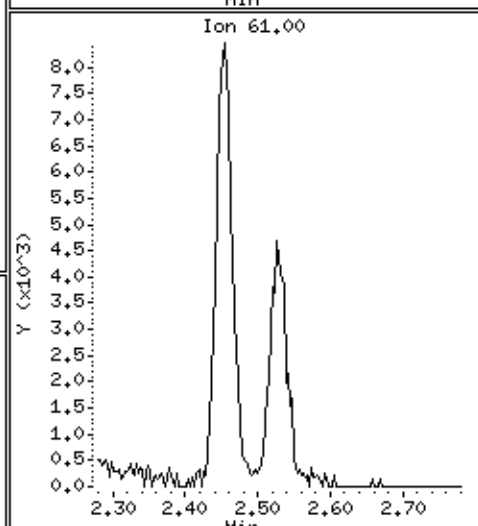
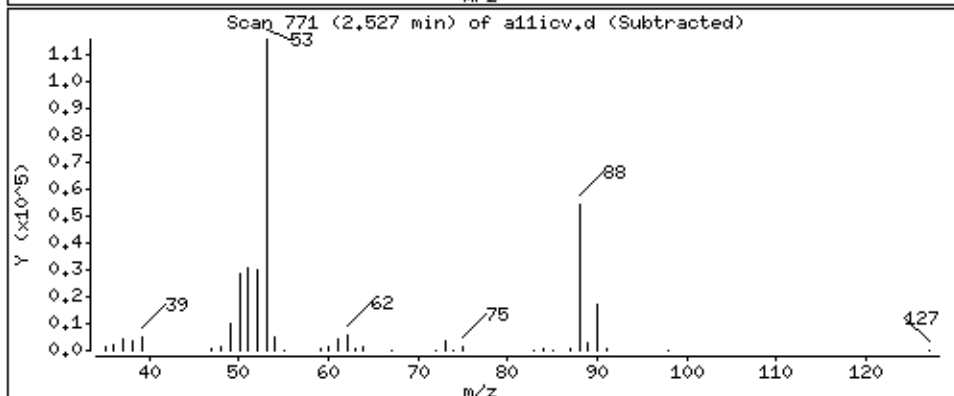
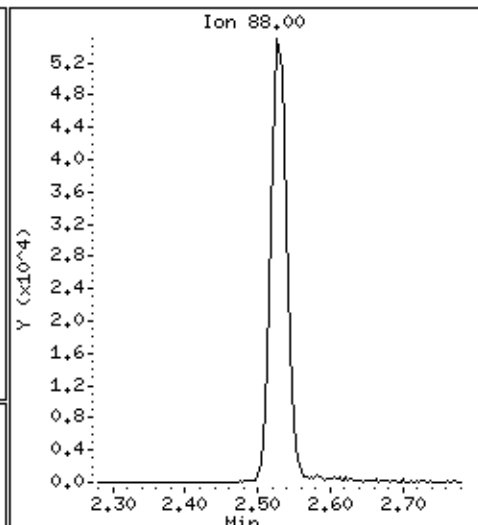
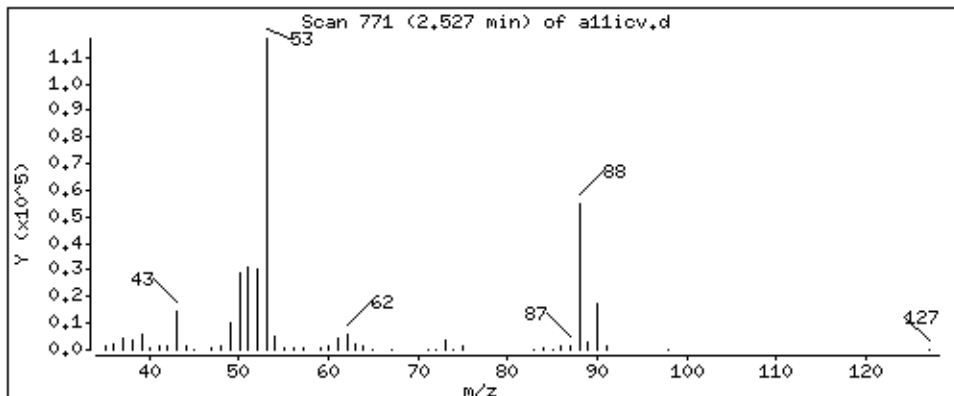
Operator: amv

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

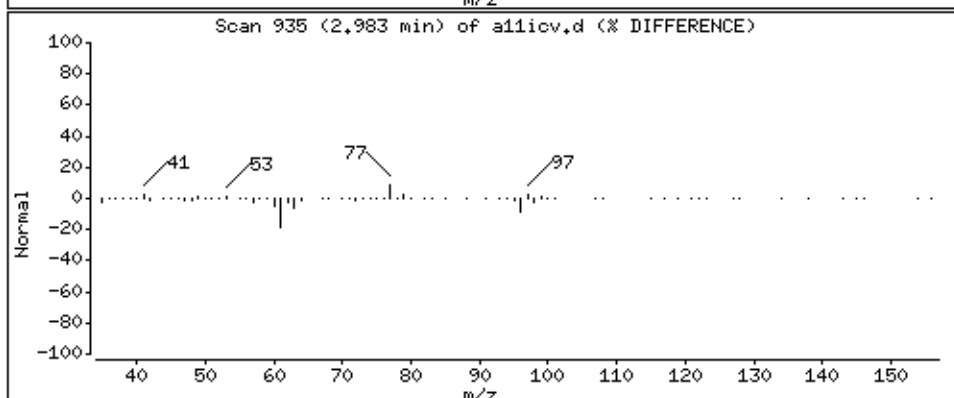
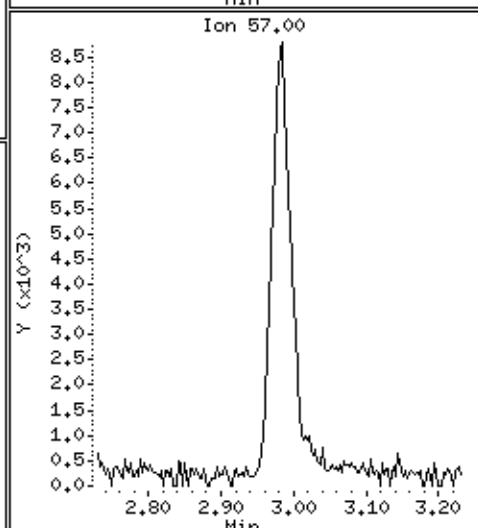
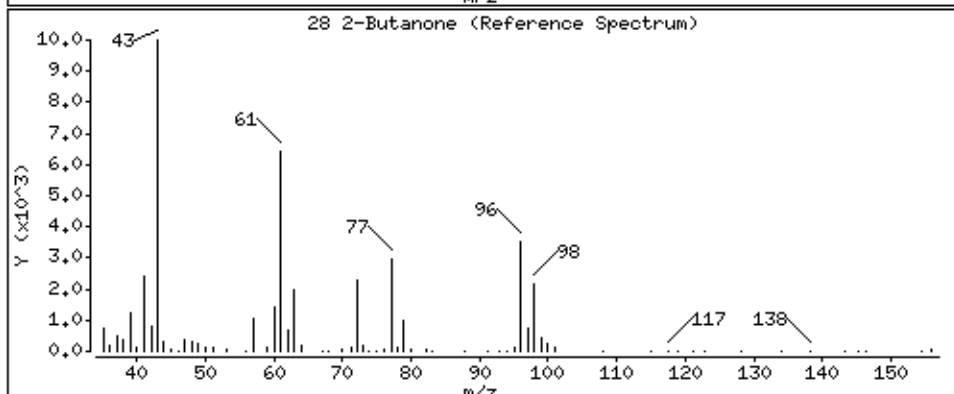
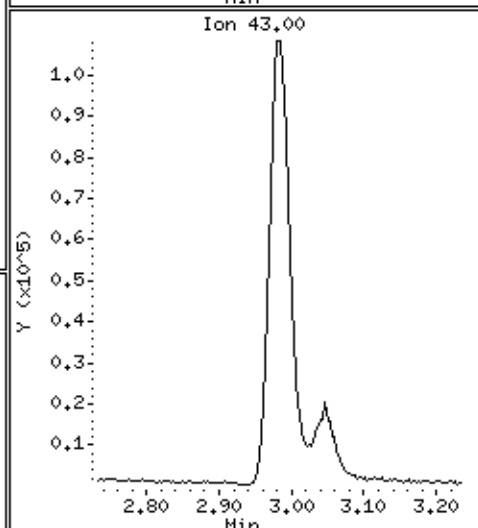
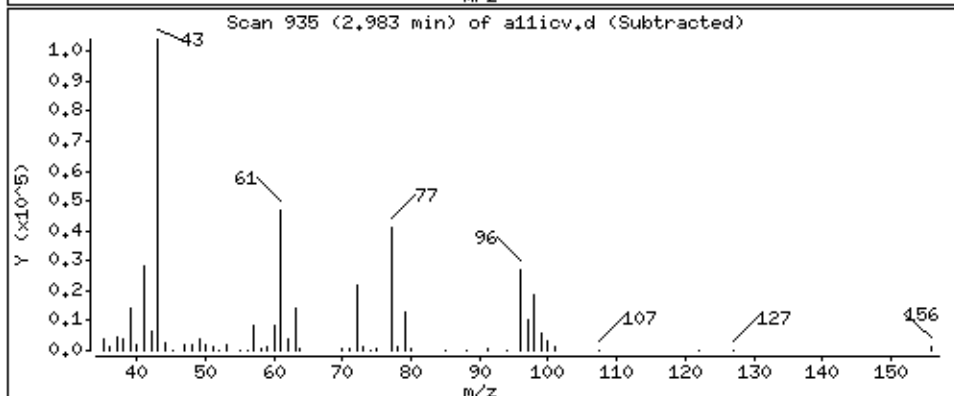
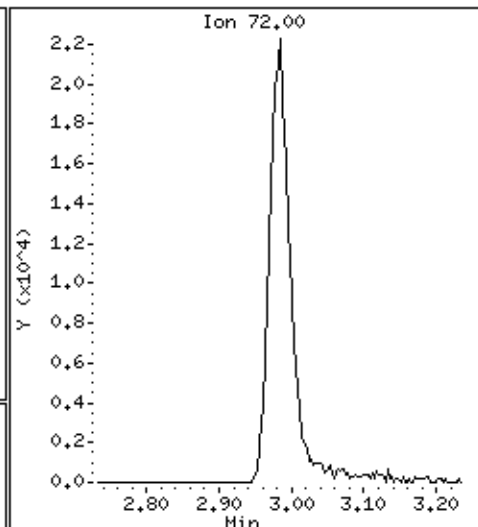
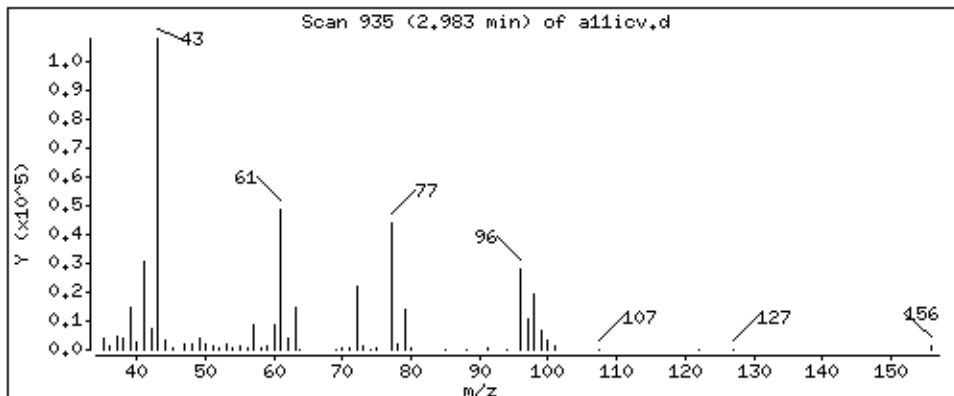
Operator: amv

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

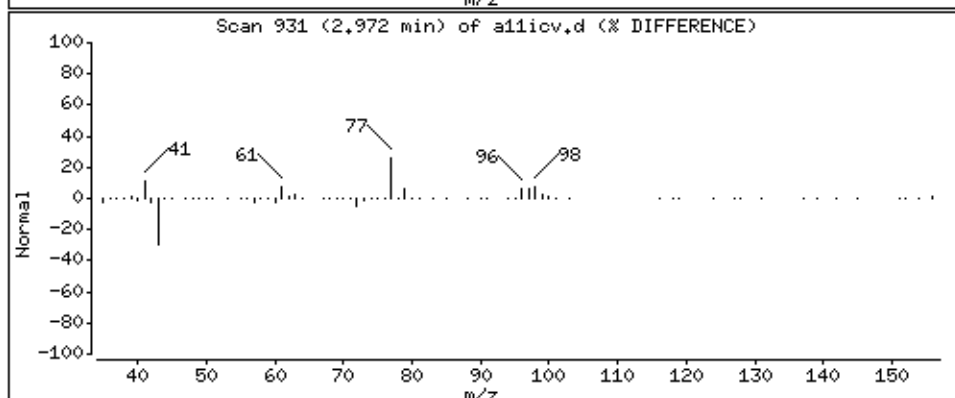
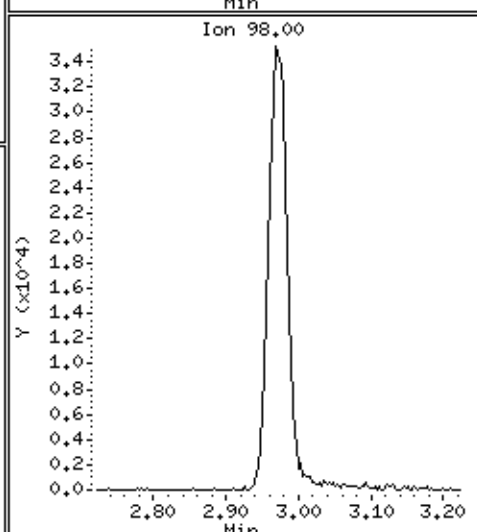
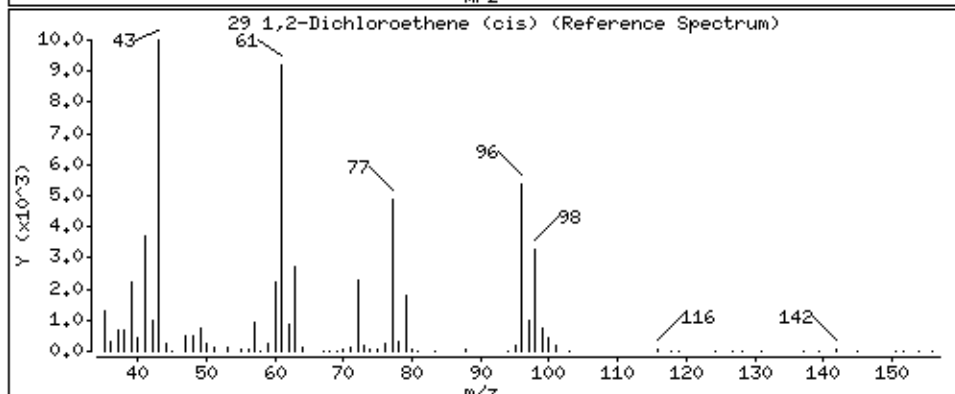
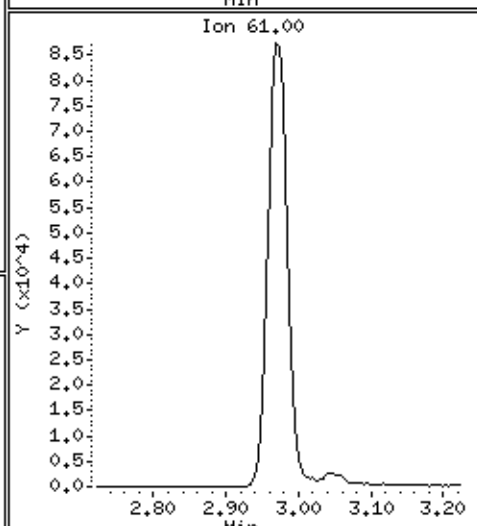
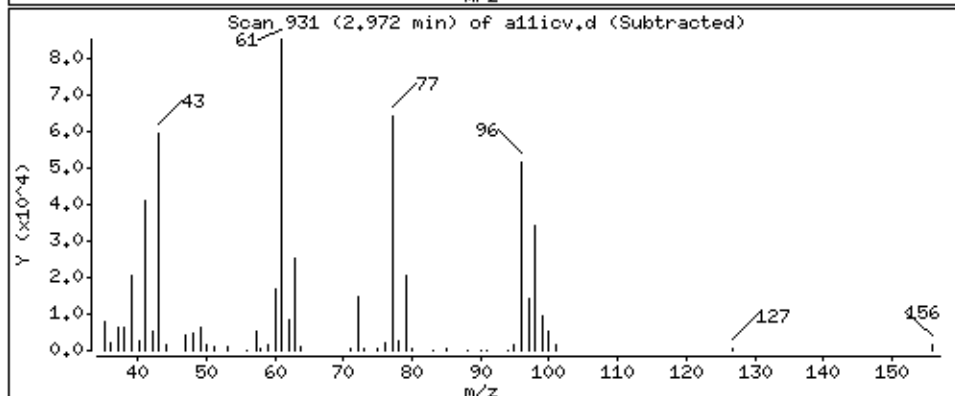
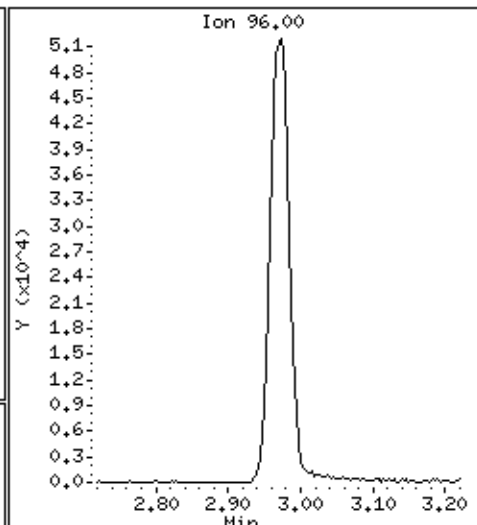
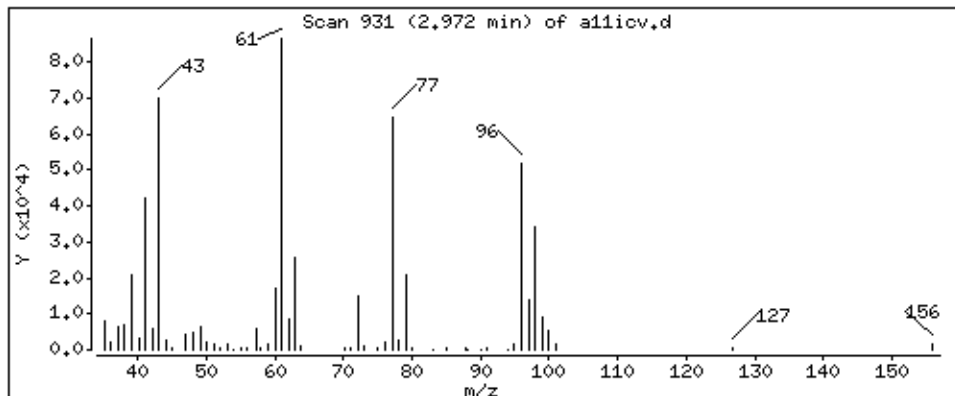
Operator: amv

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

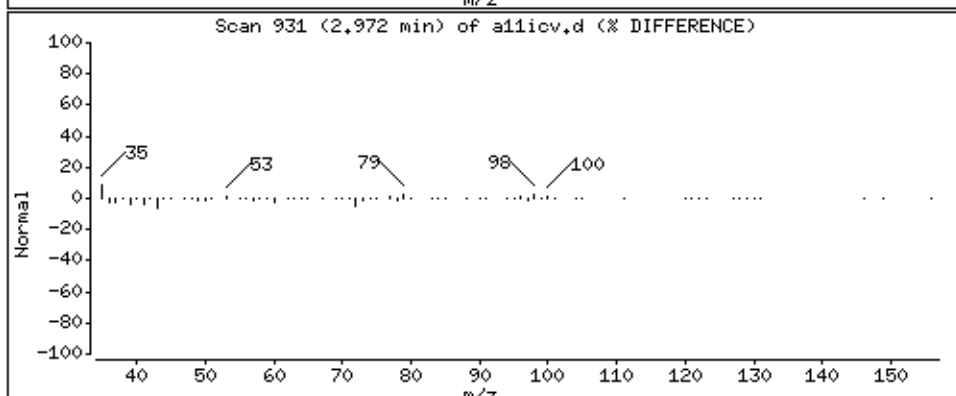
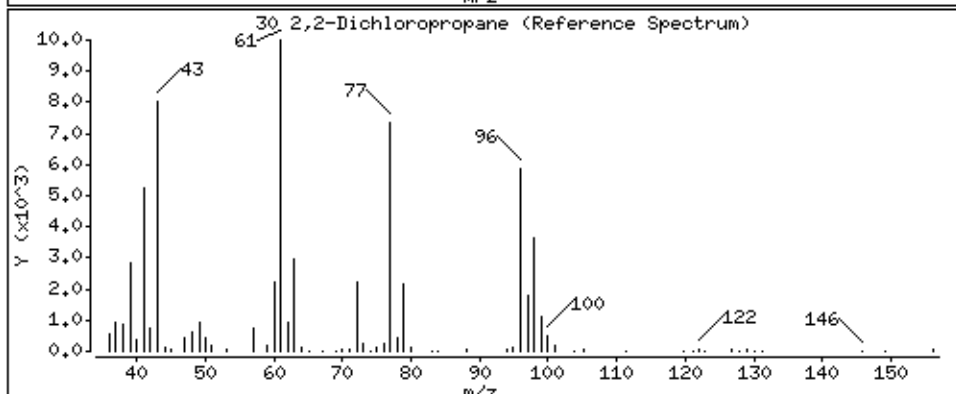
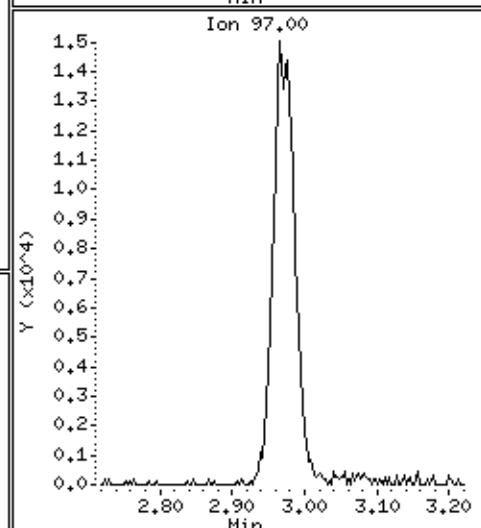
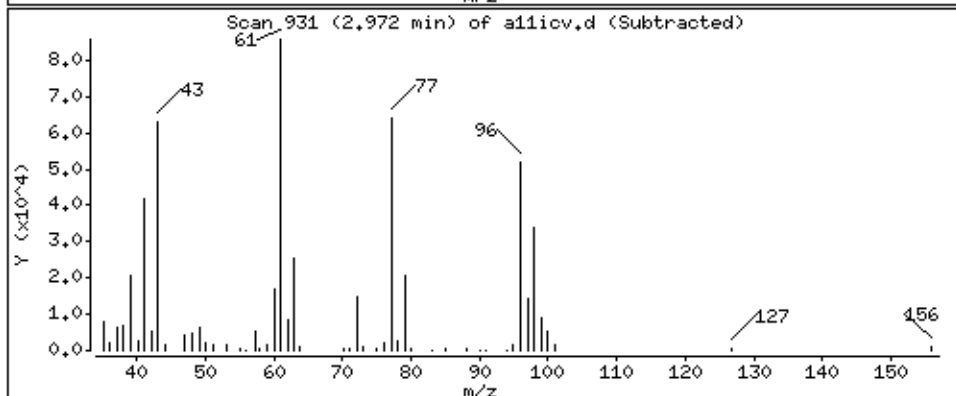
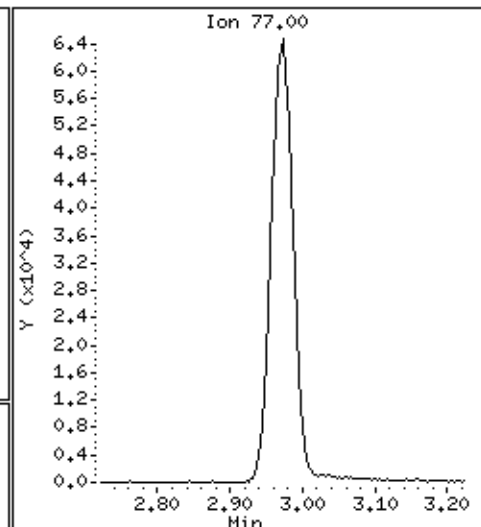
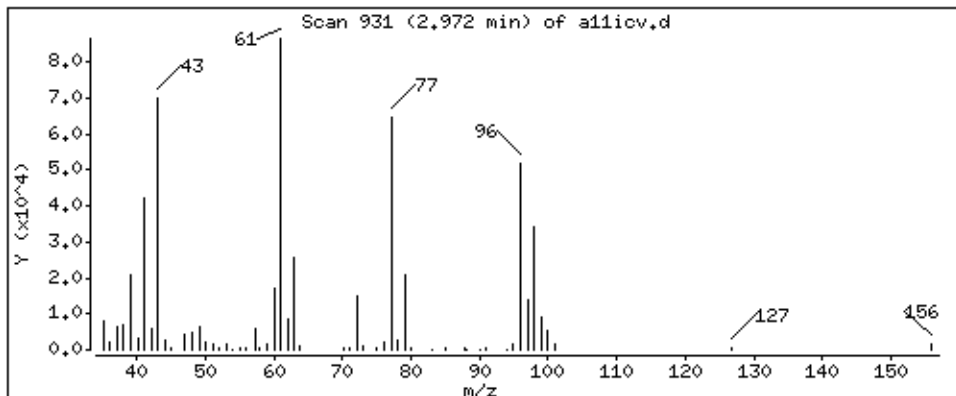
Operator: amv

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

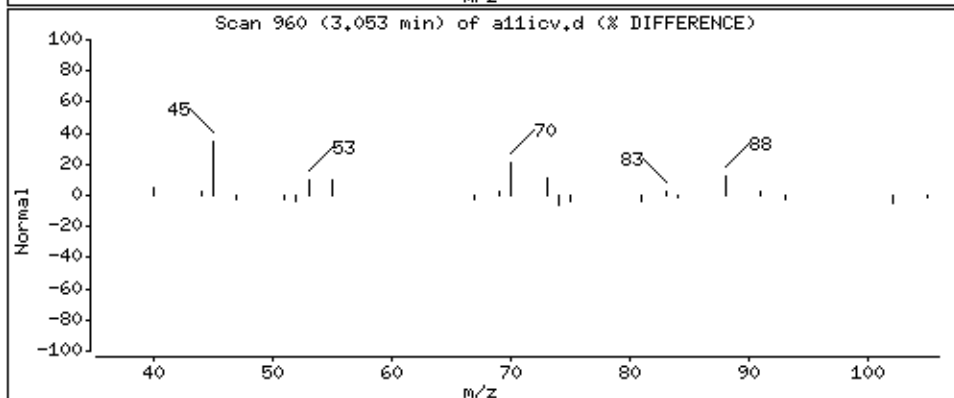
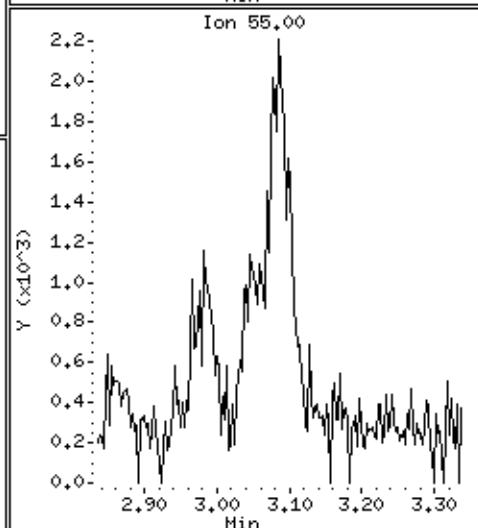
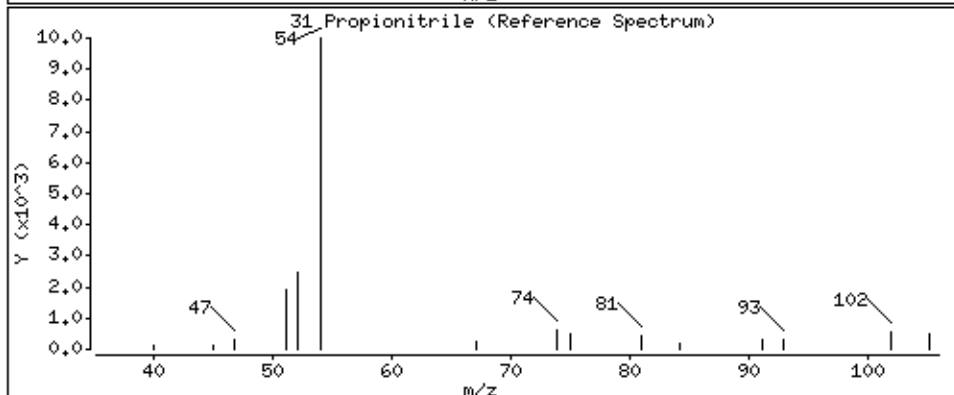
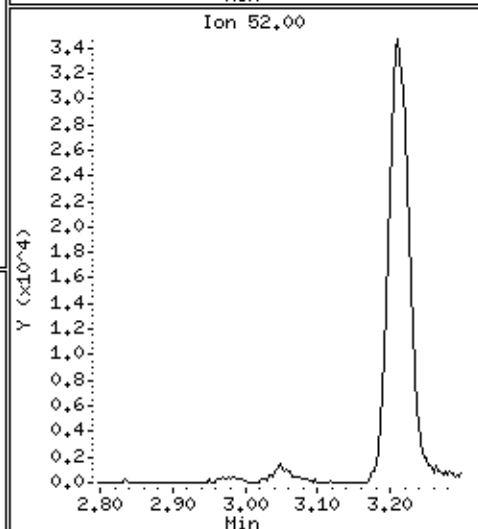
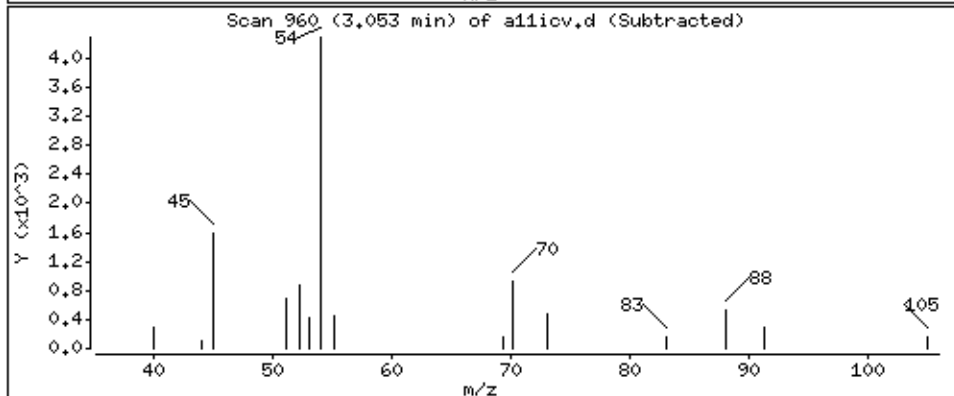
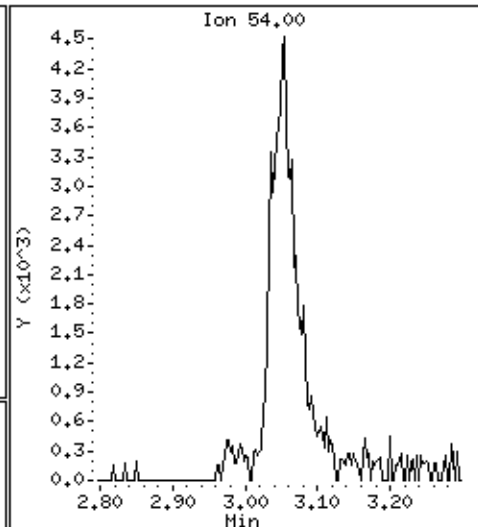
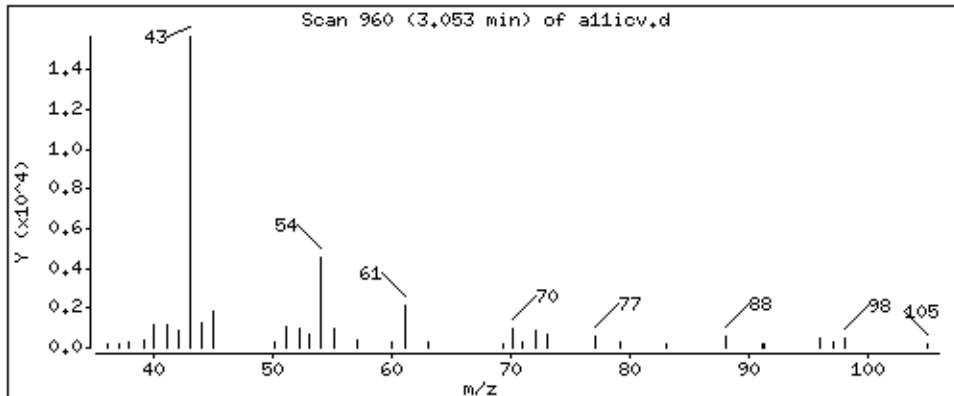
Operator: amv

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

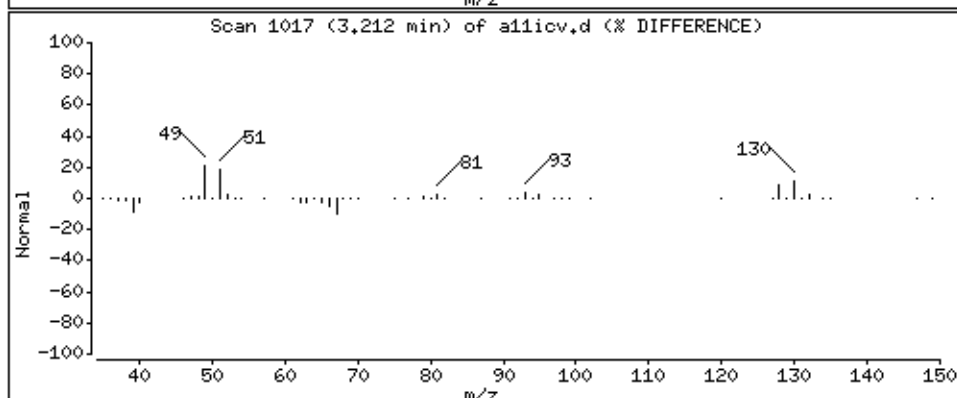
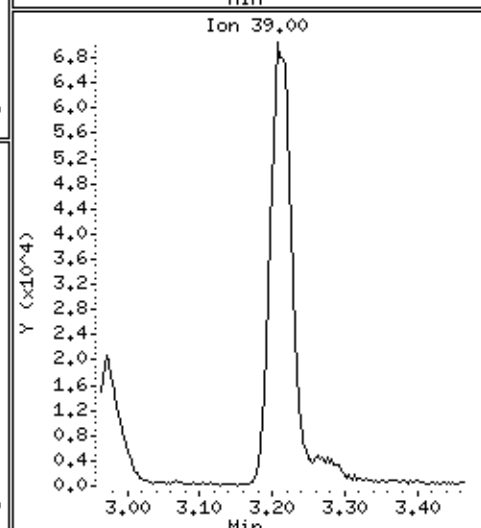
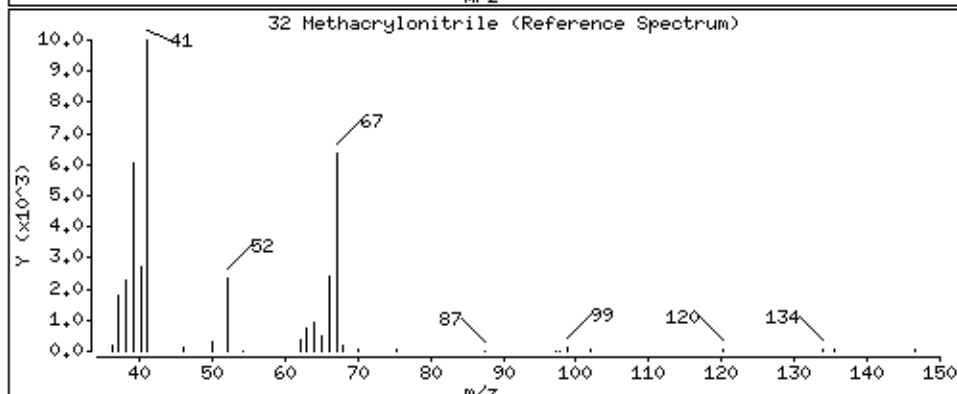
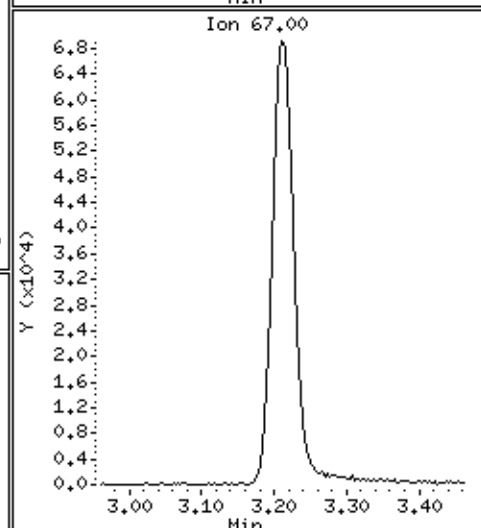
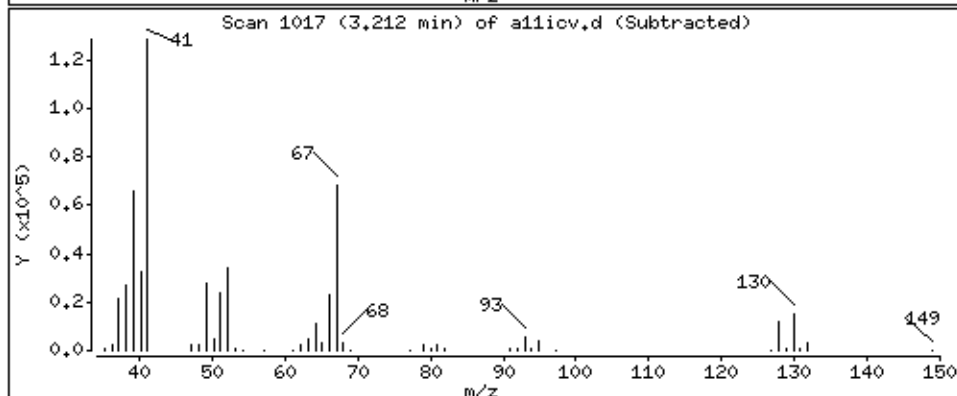
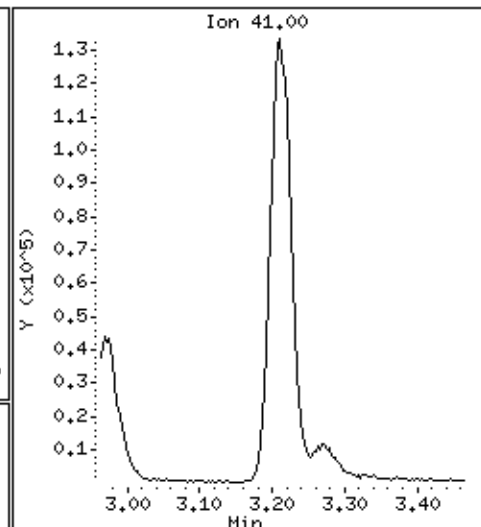
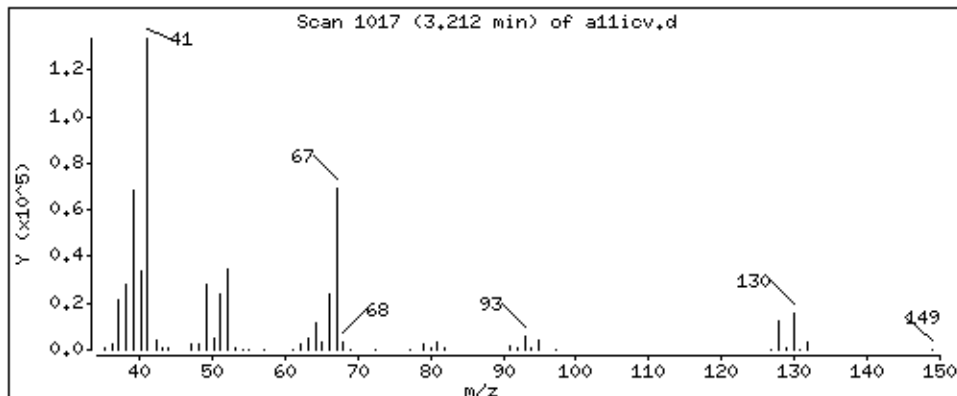
Operator: amv

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

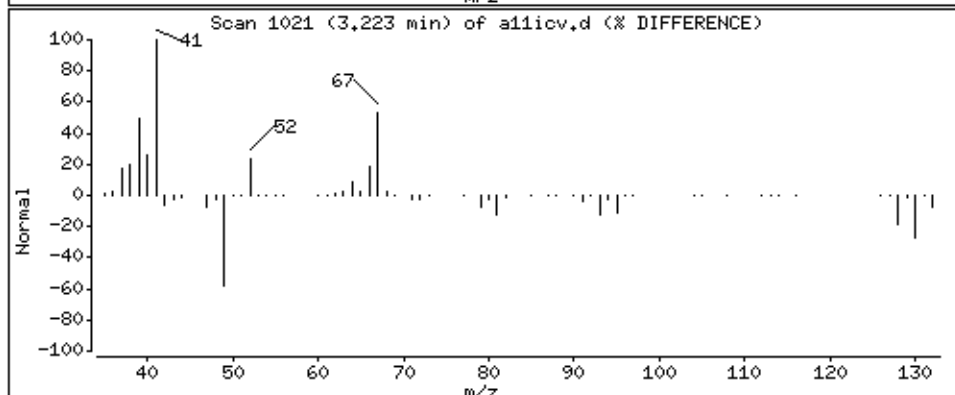
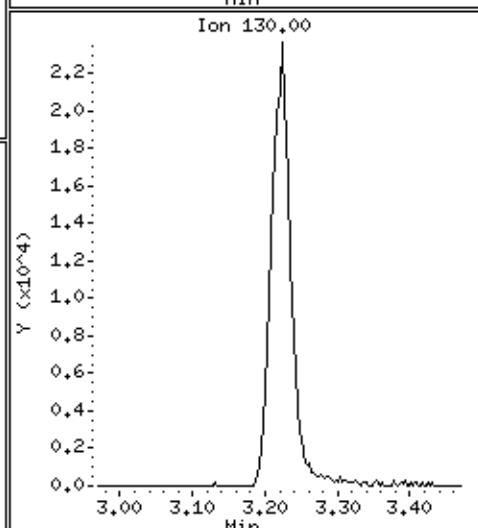
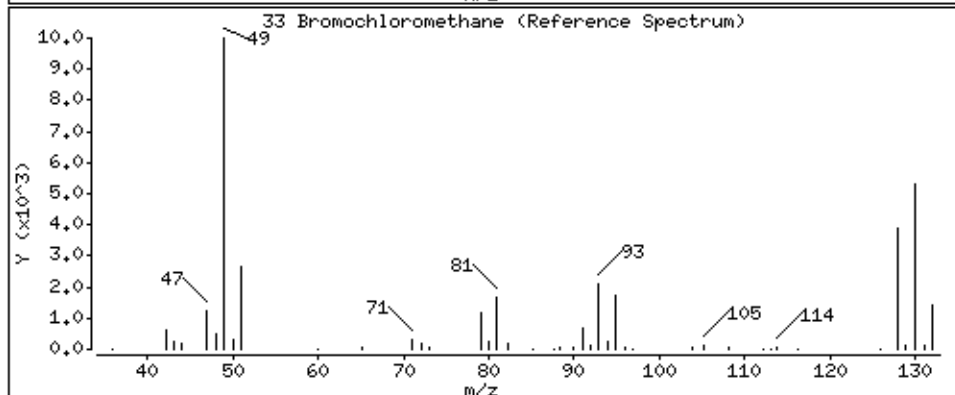
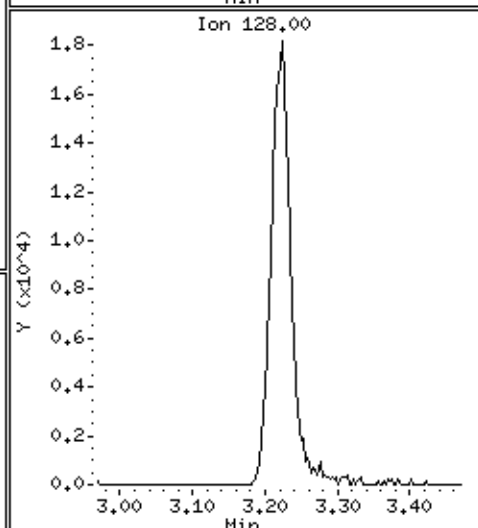
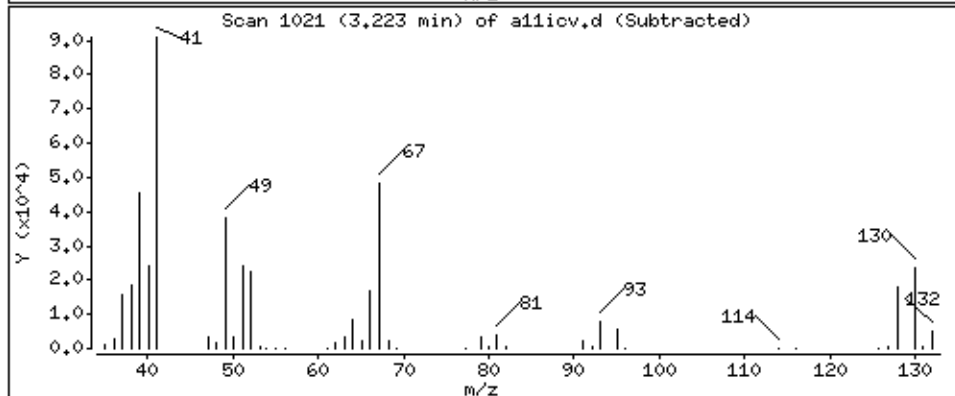
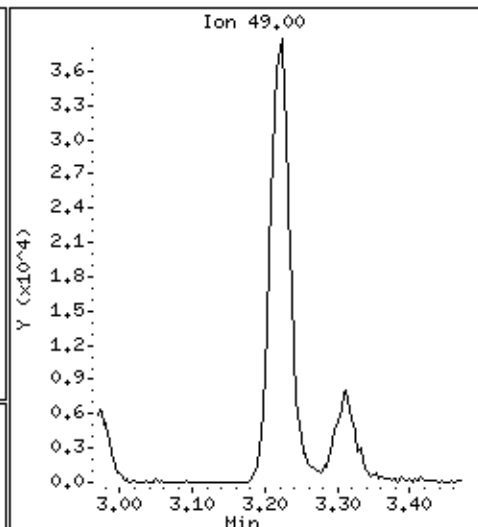
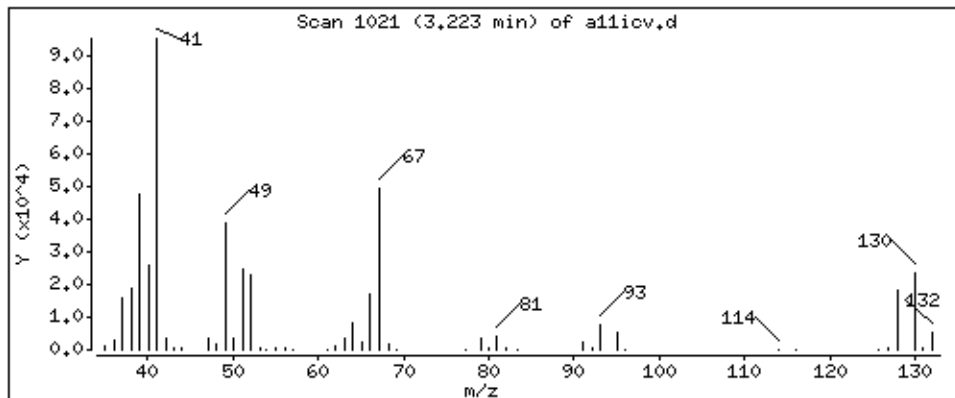
Operator: amv

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

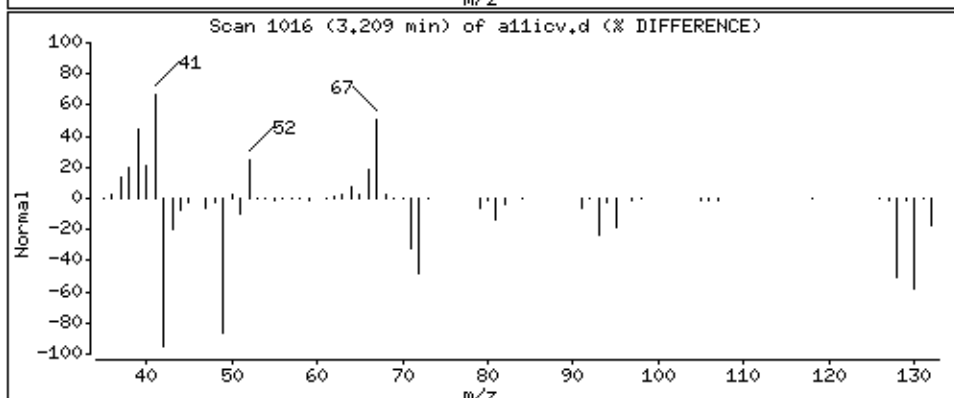
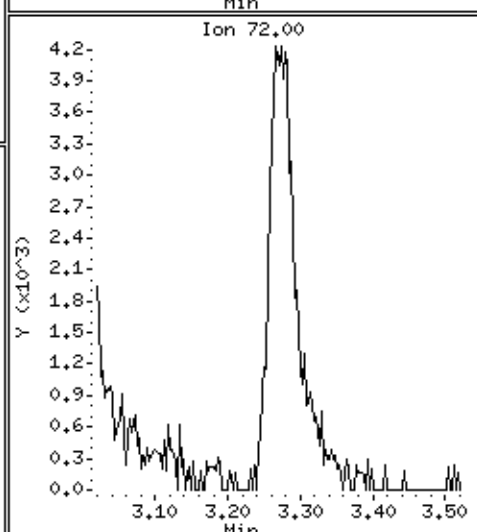
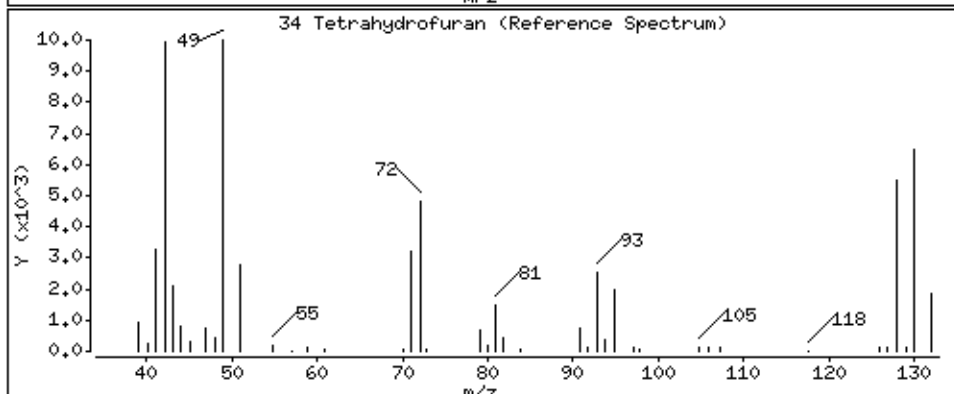
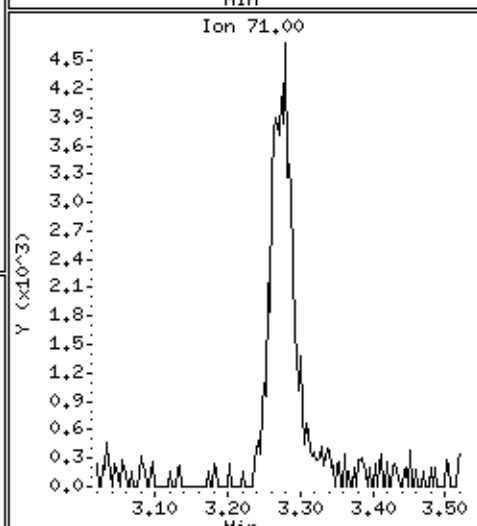
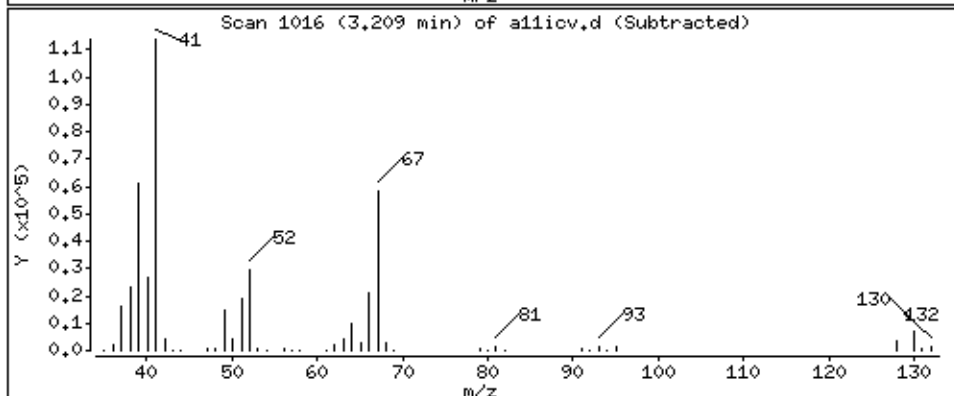
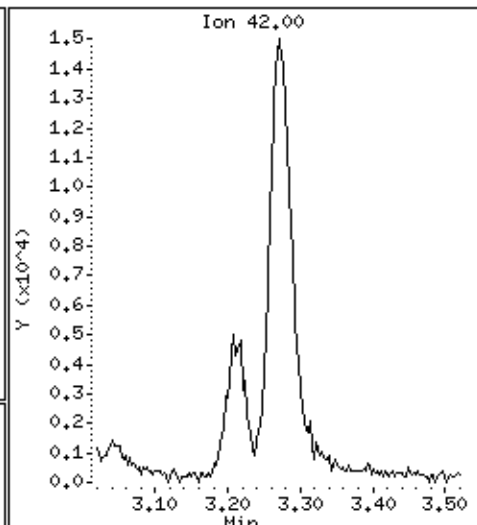
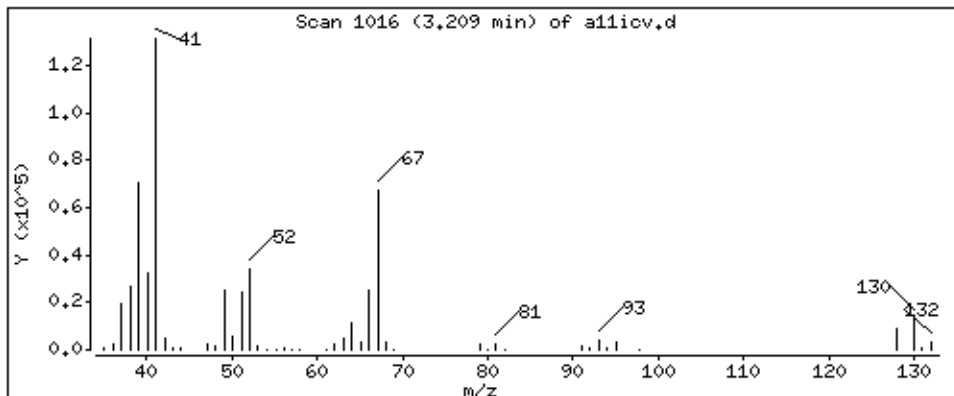
Operator: amv

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

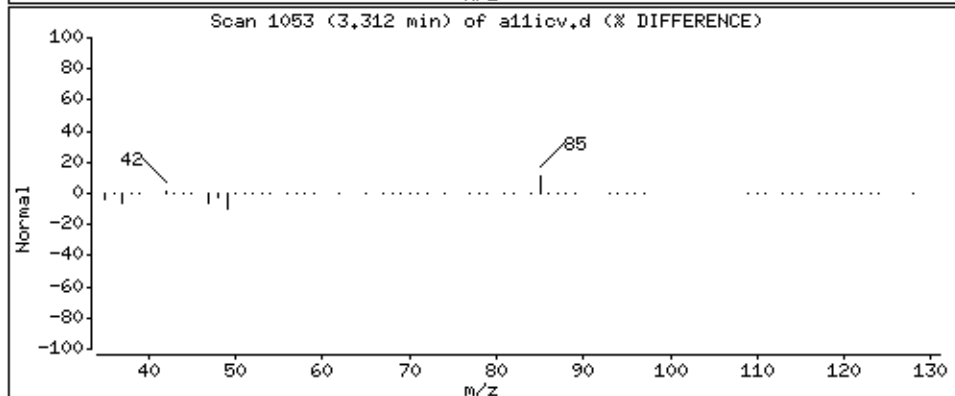
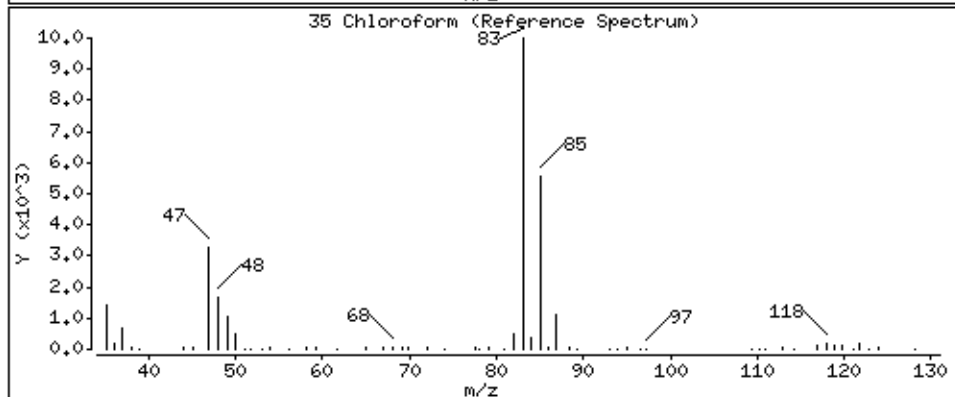
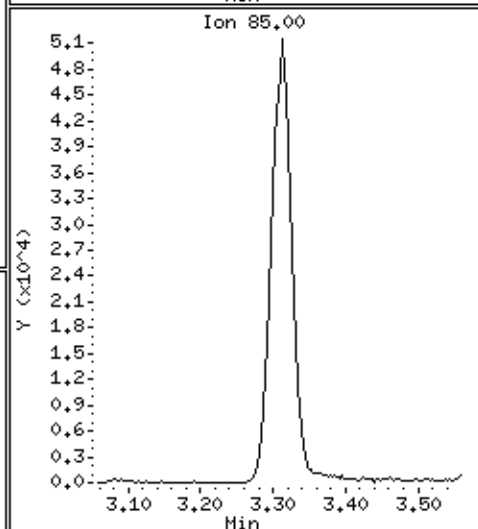
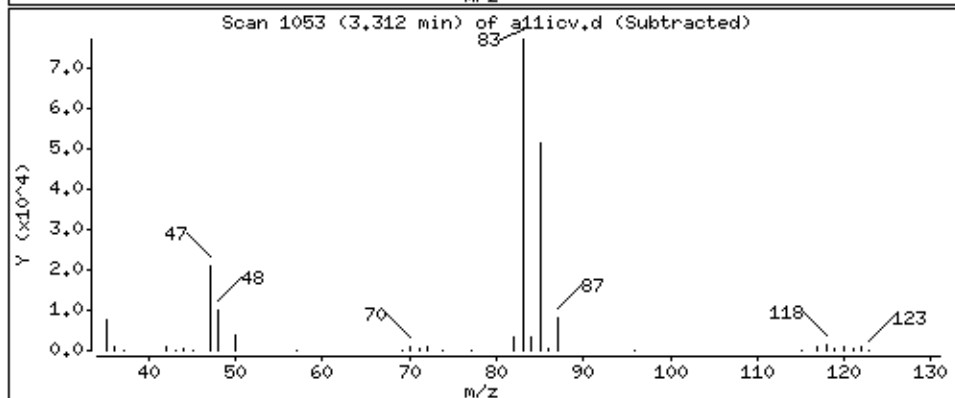
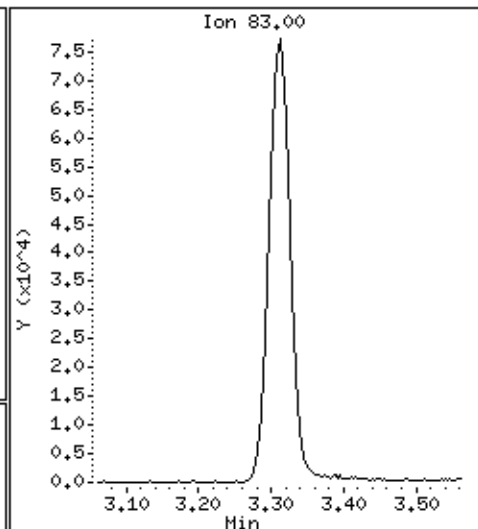
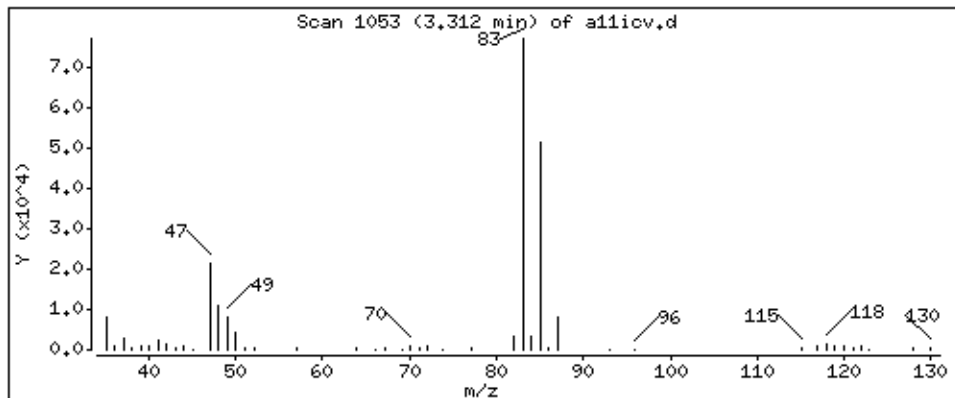
Operator: amv

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

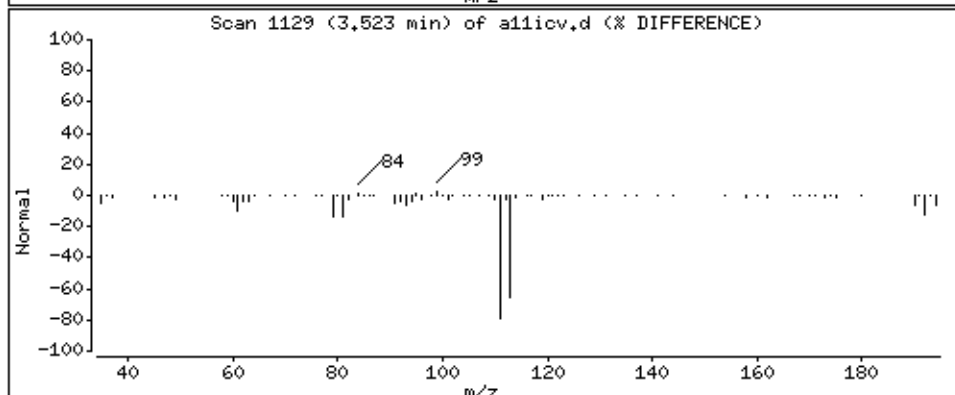
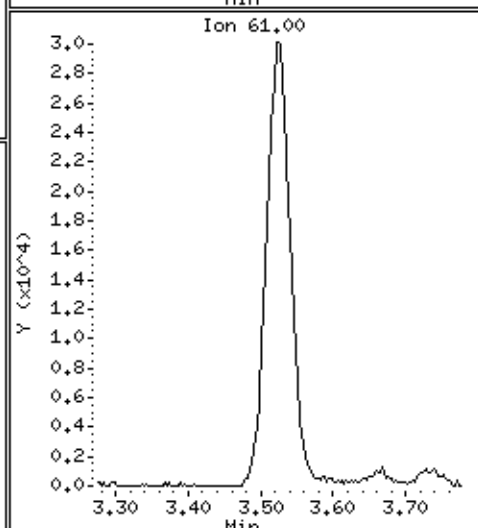
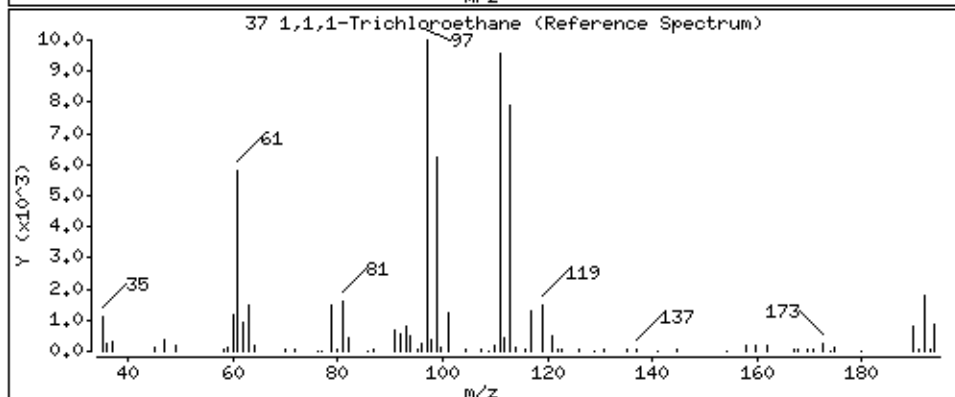
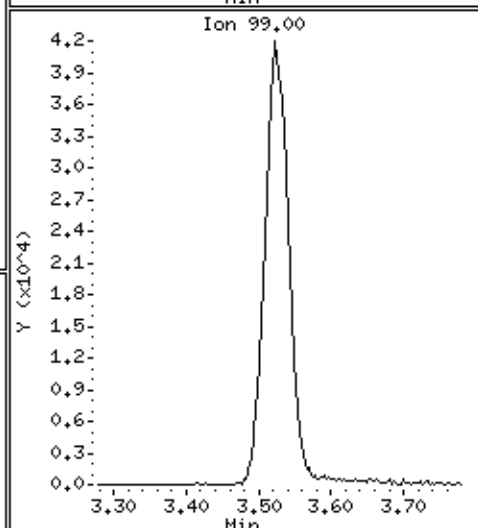
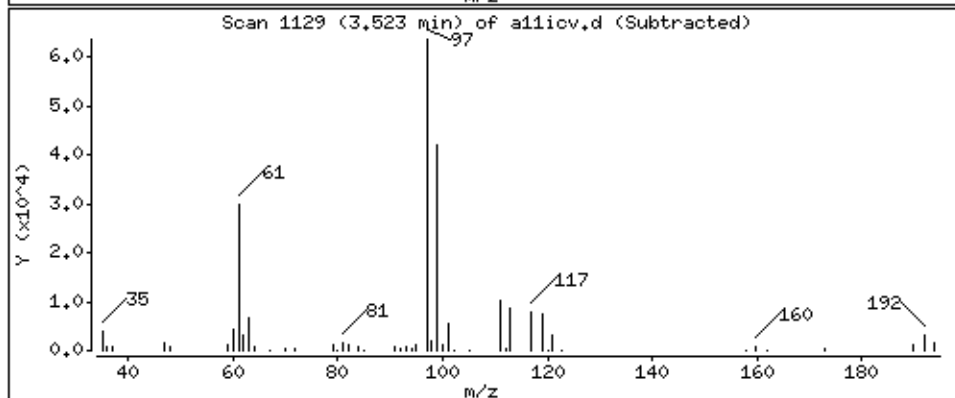
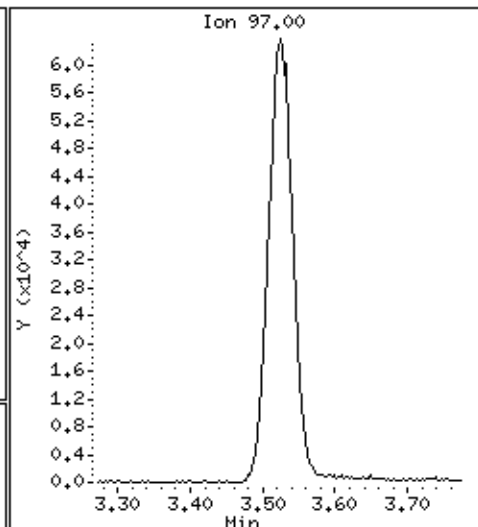
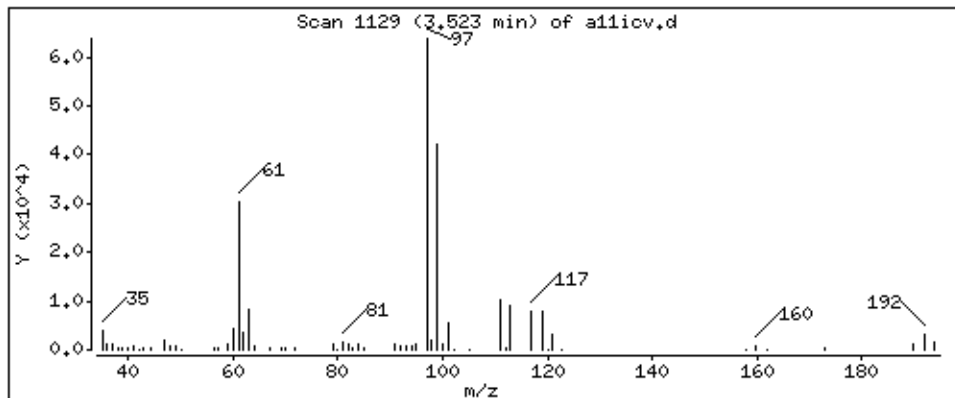
Operator: amv

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

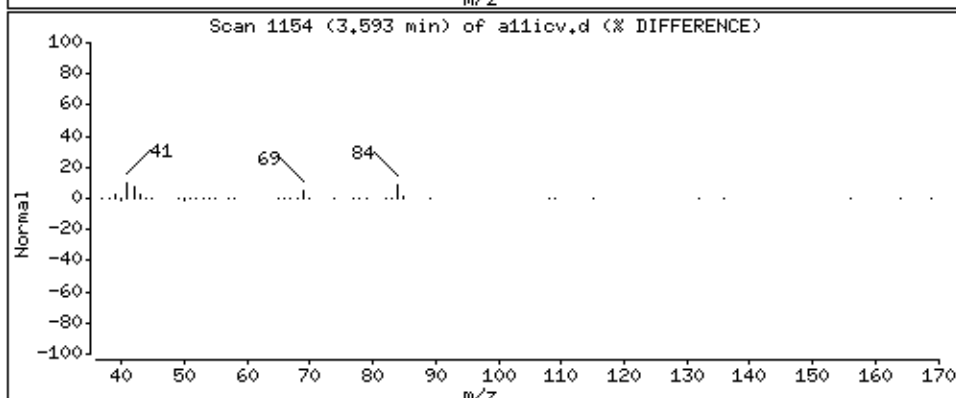
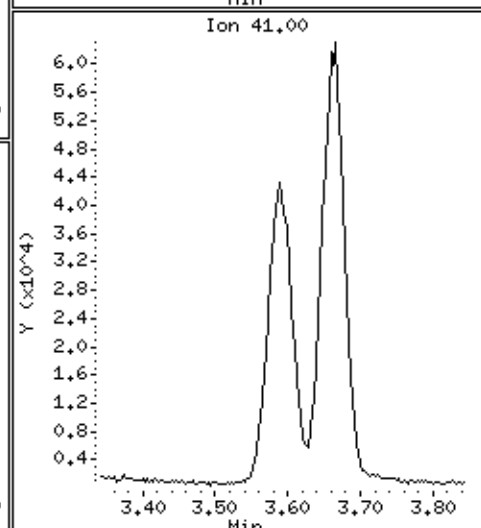
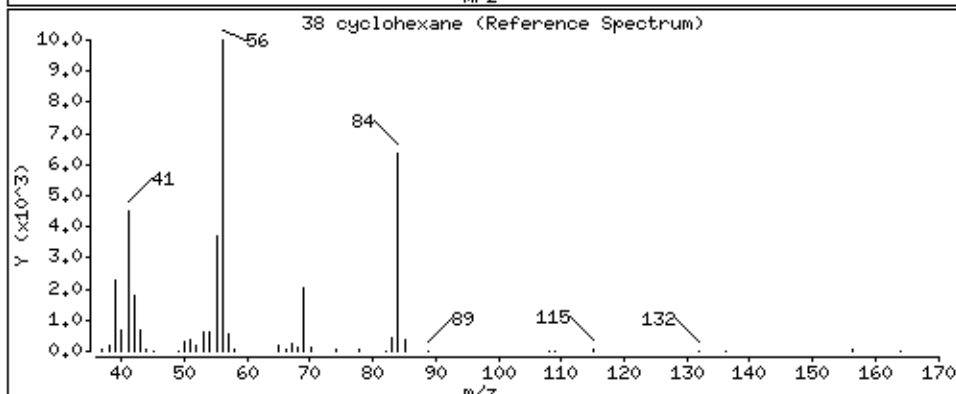
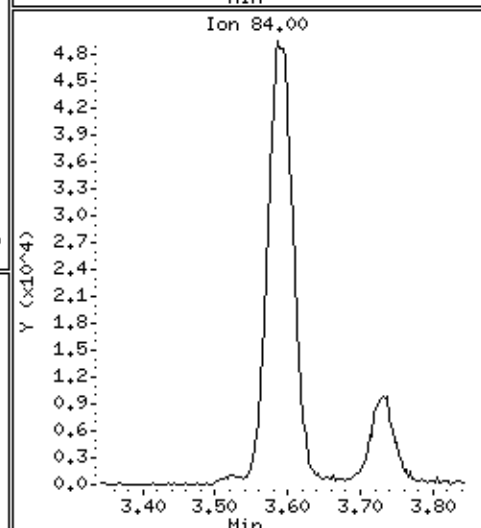
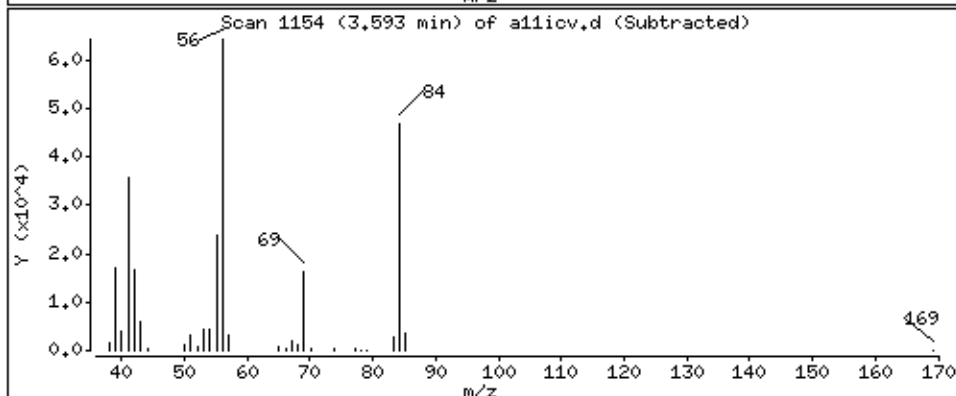
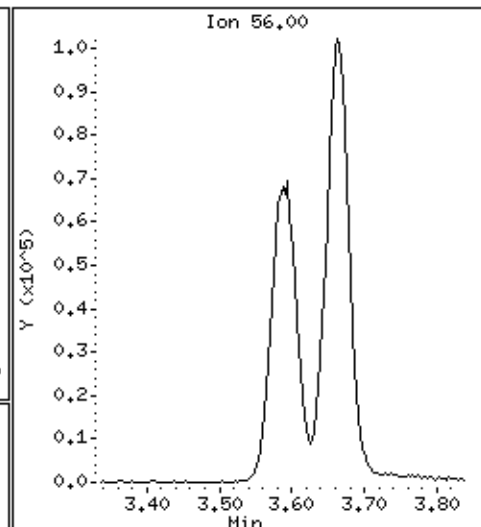
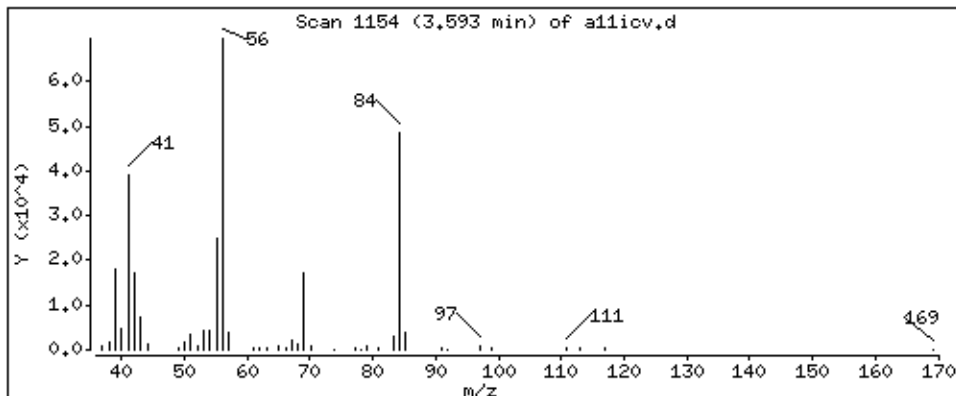
Operator: amv

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

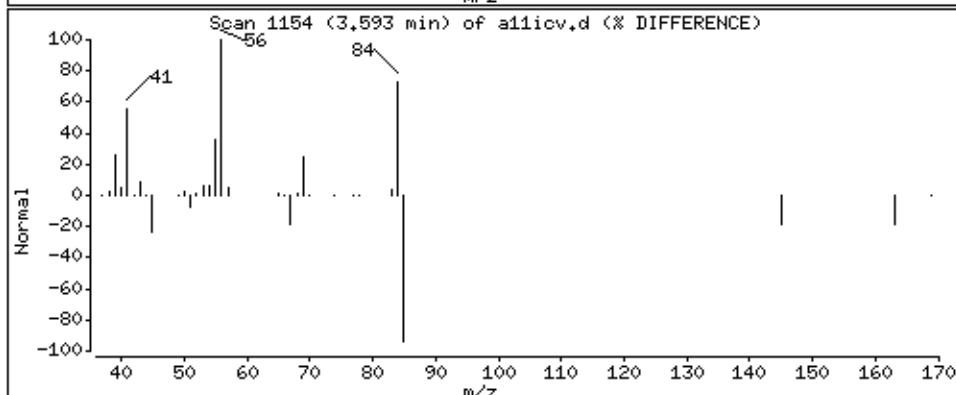
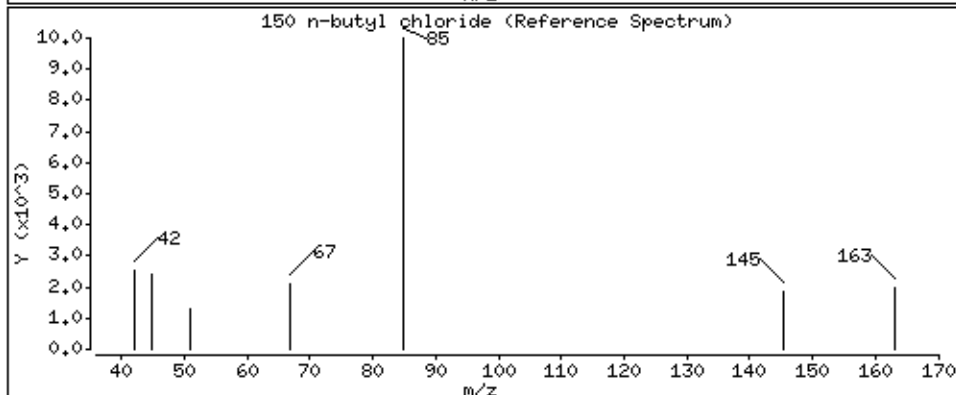
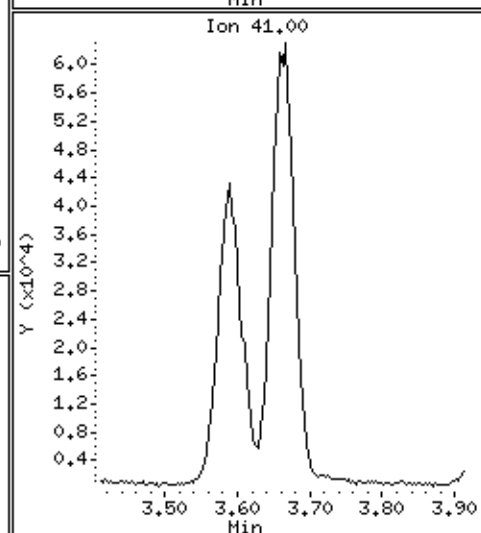
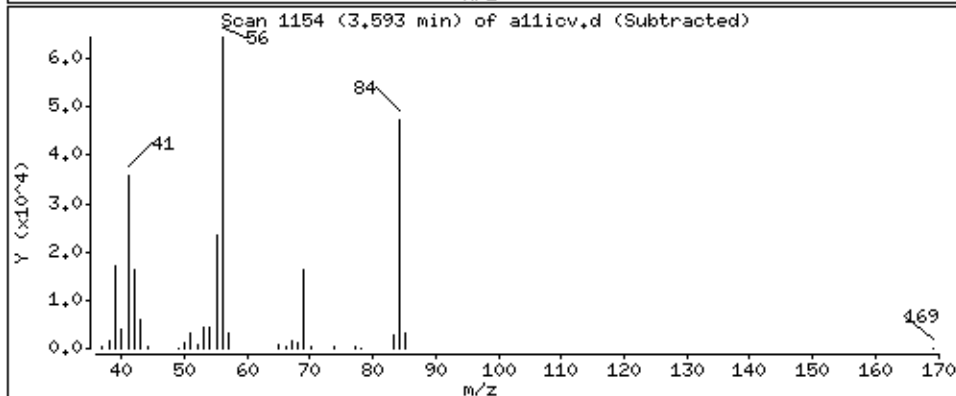
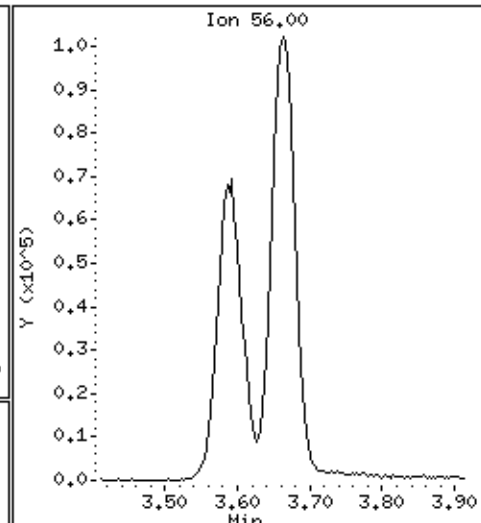
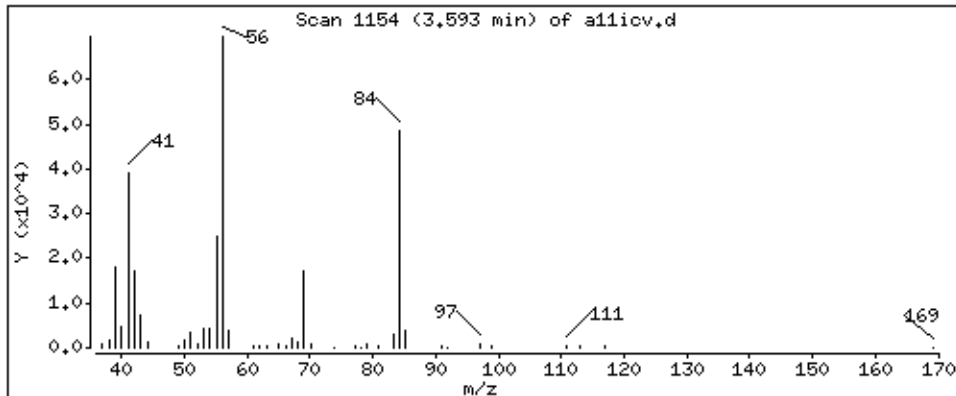
Operator: amv

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

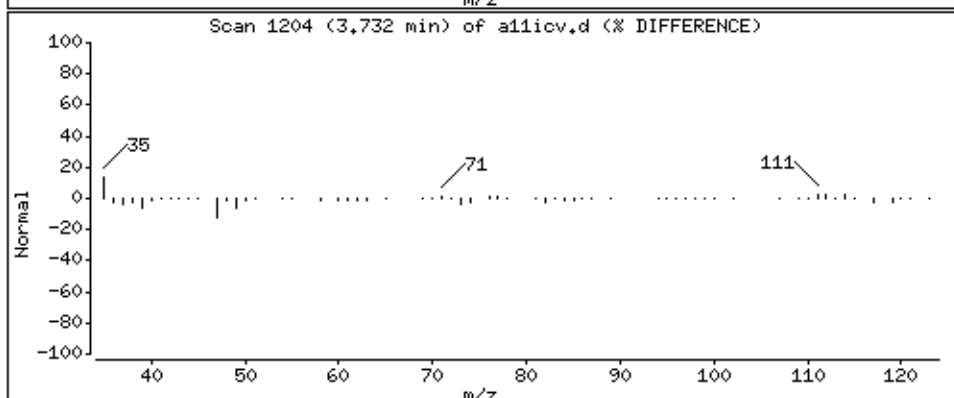
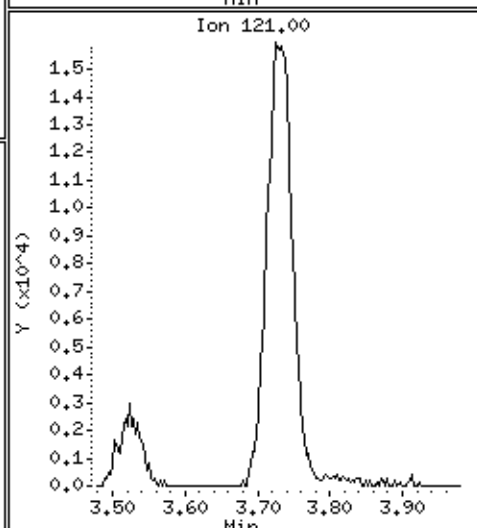
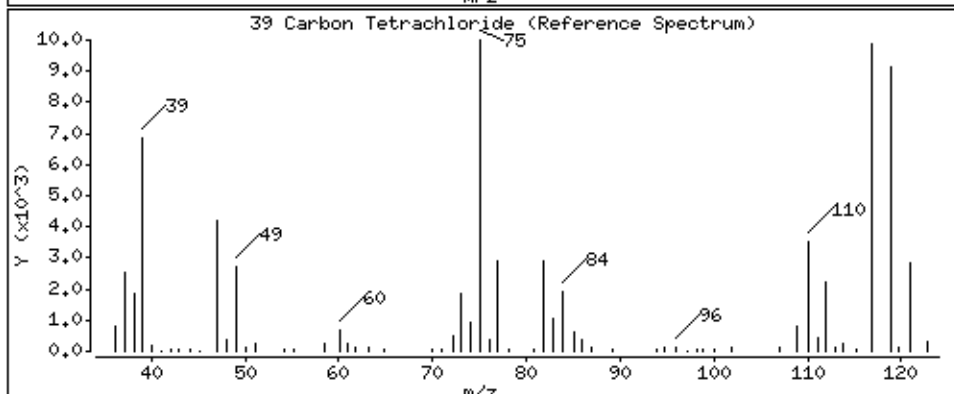
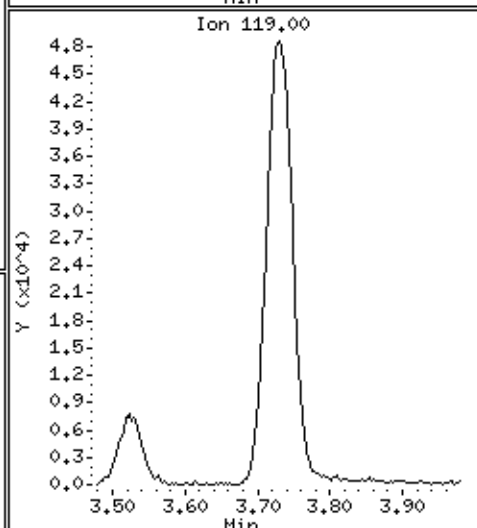
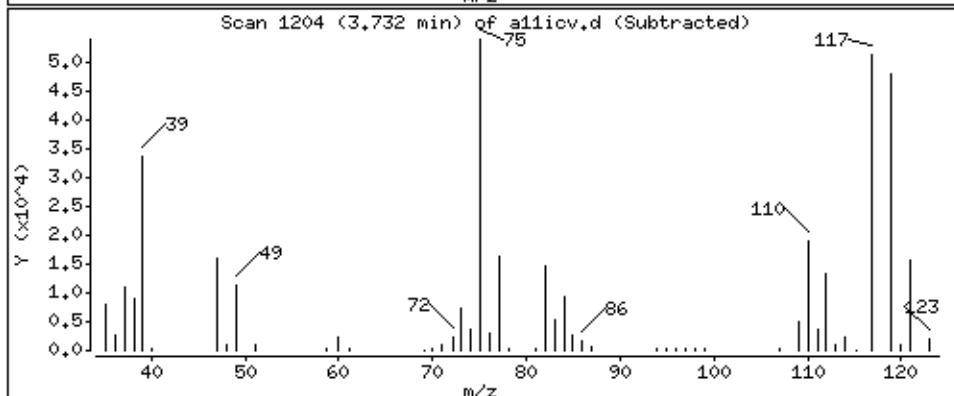
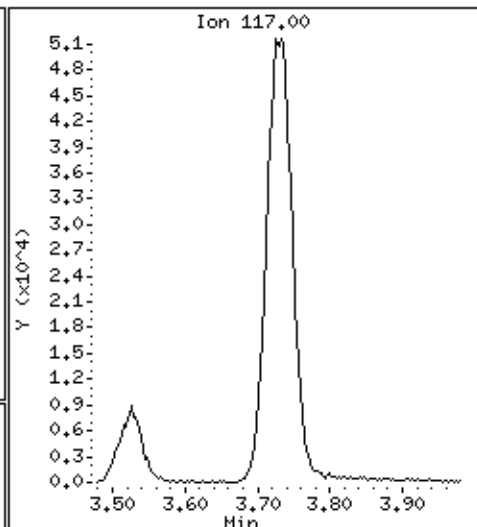
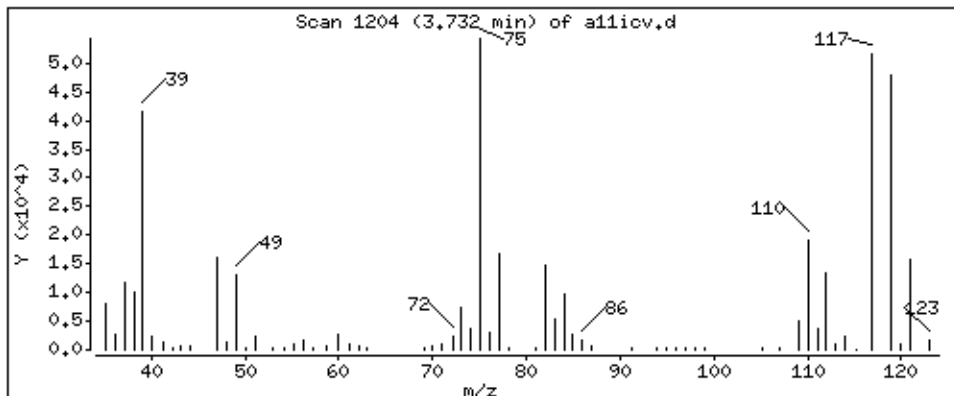
Operator: amv

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

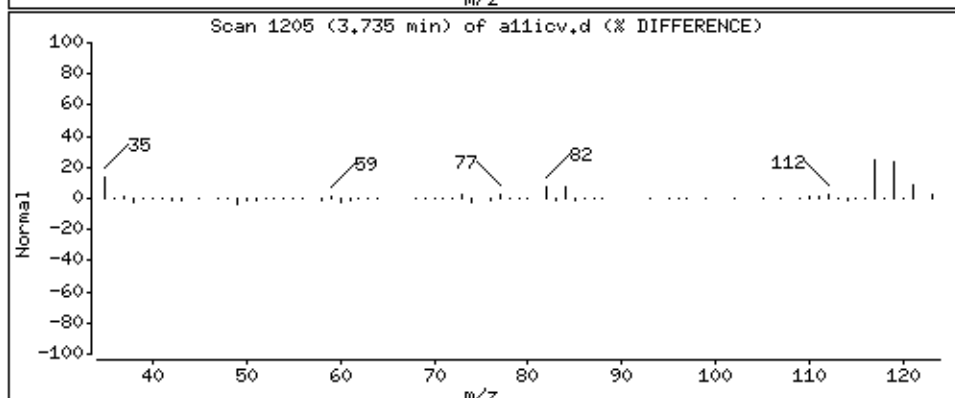
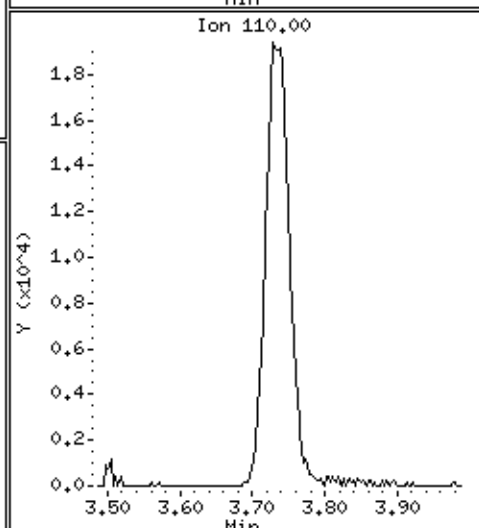
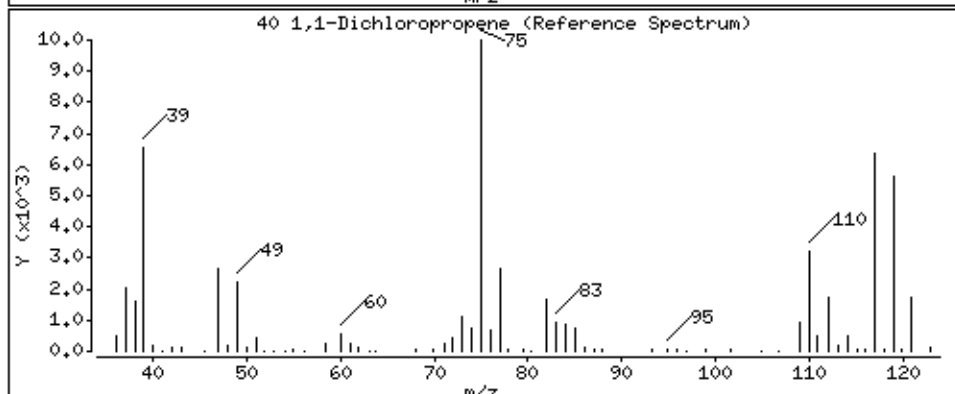
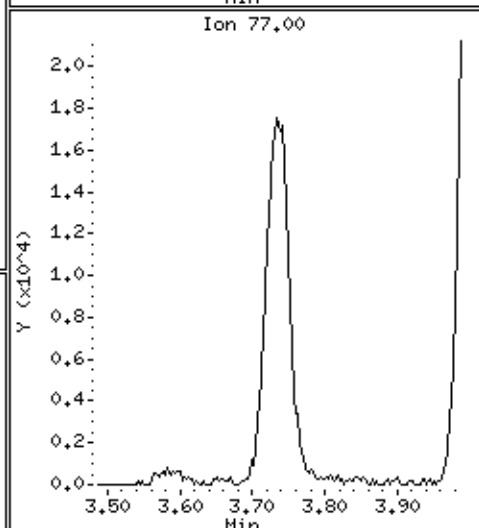
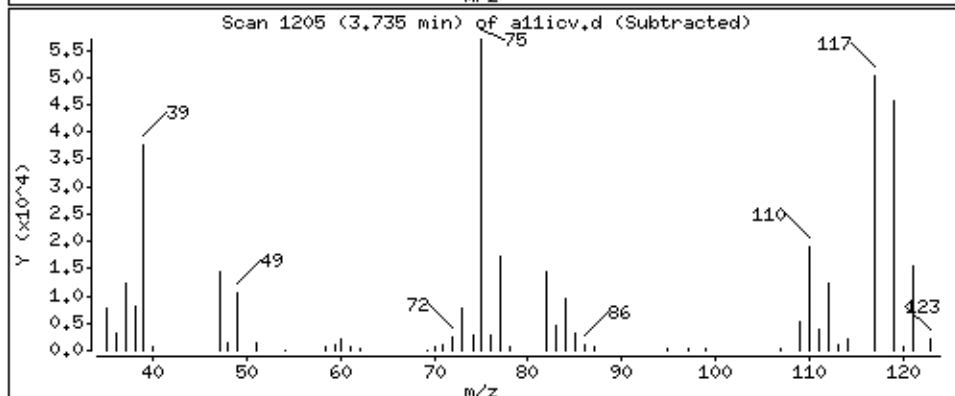
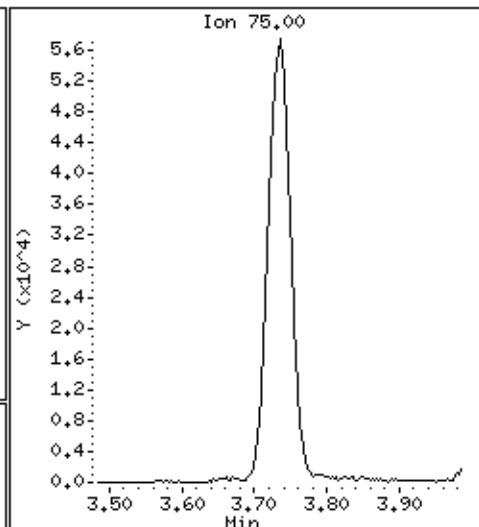
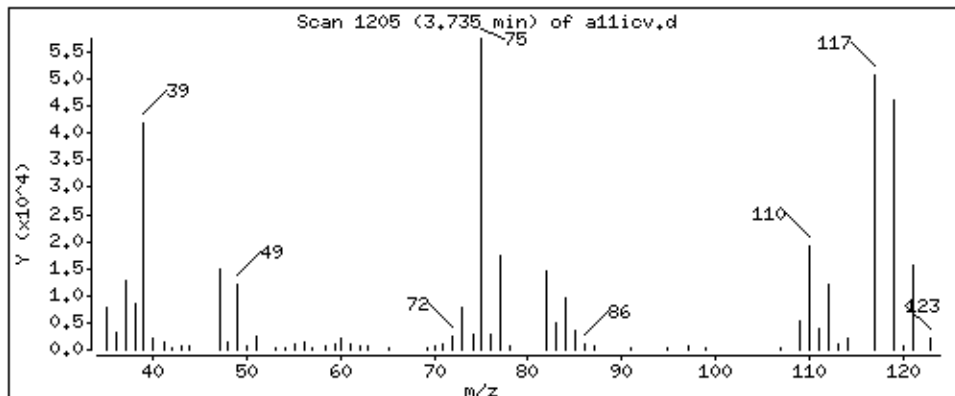
Operator: amv

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

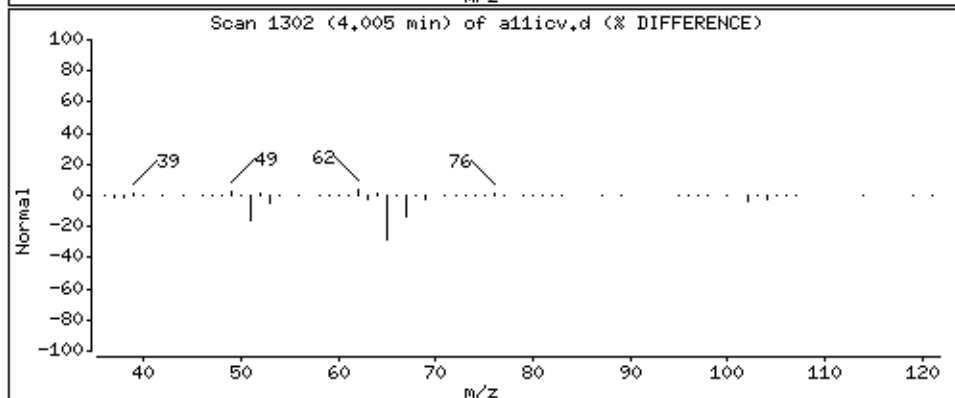
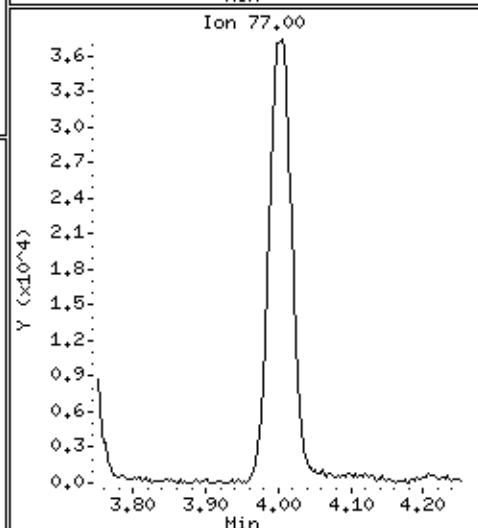
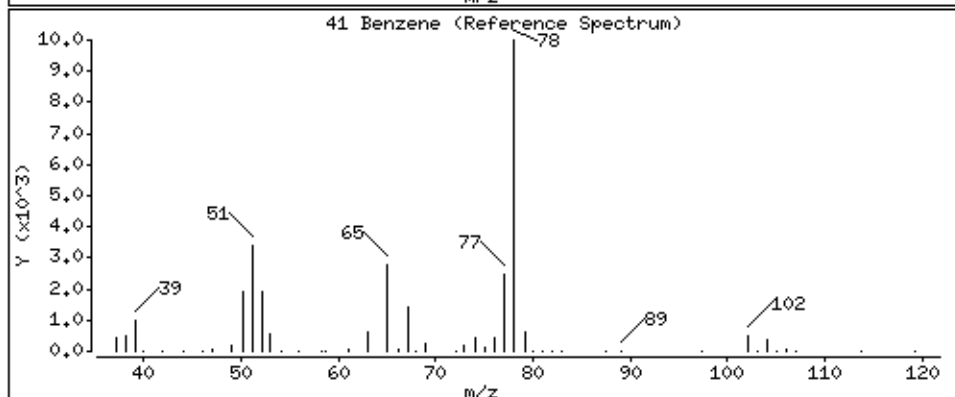
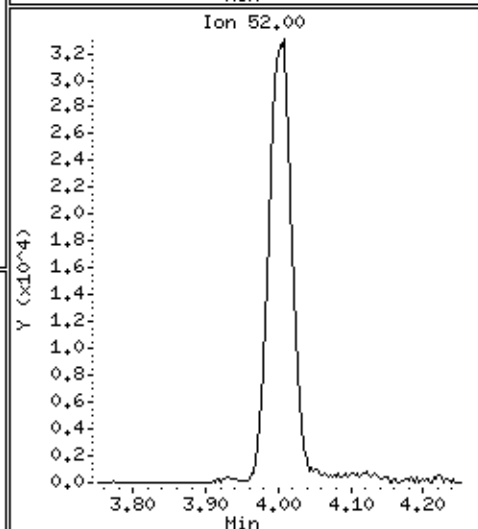
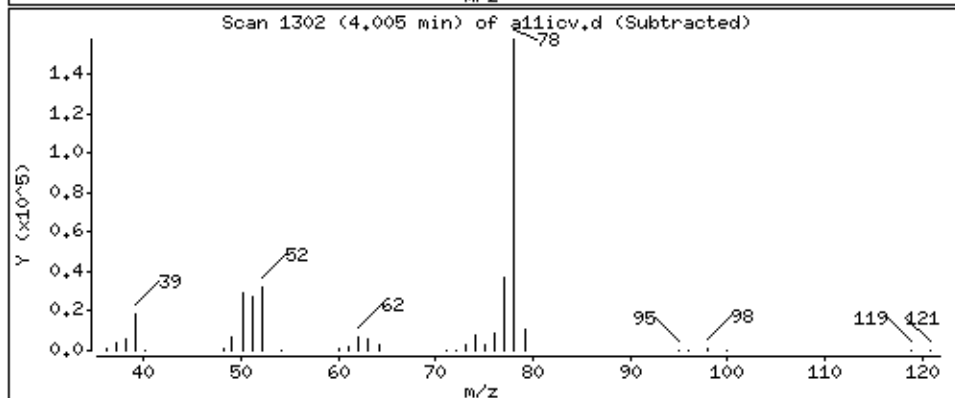
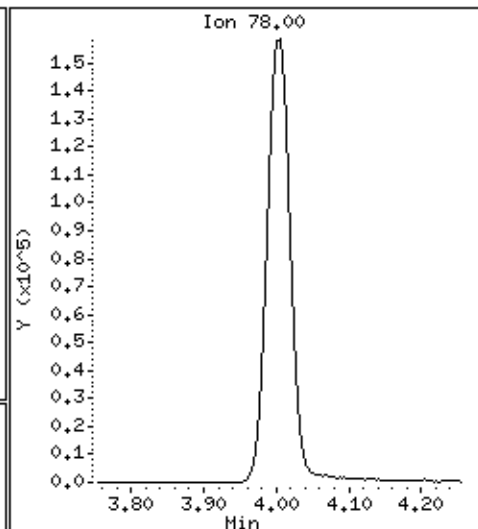
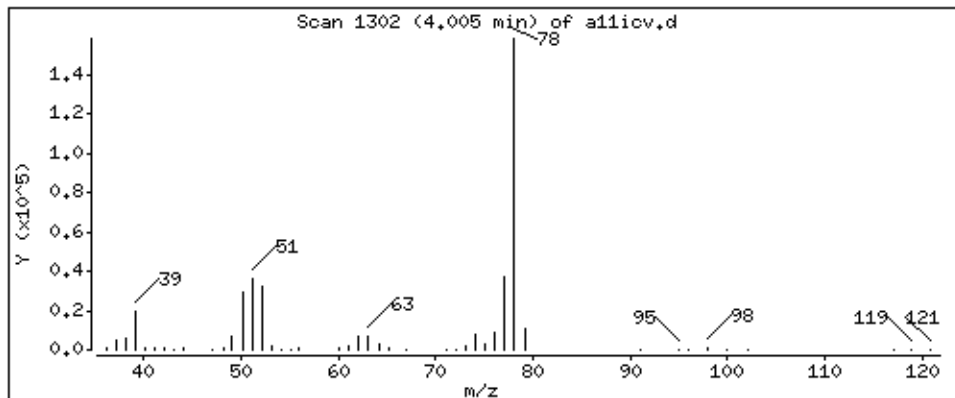
Operator: amv

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

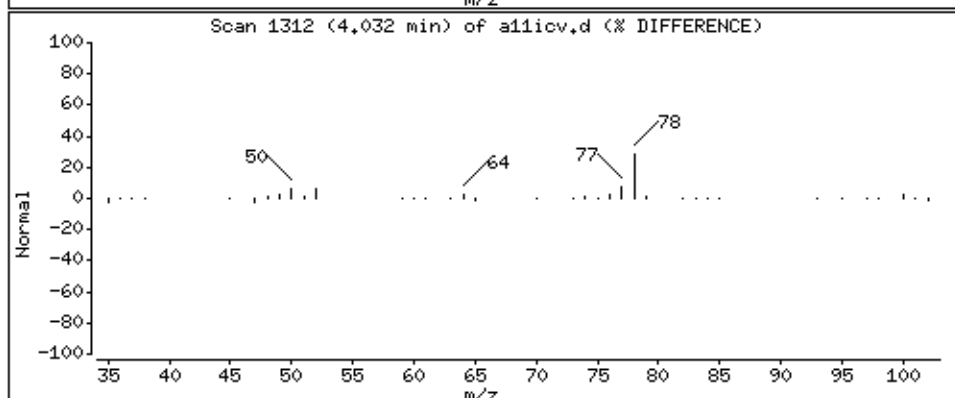
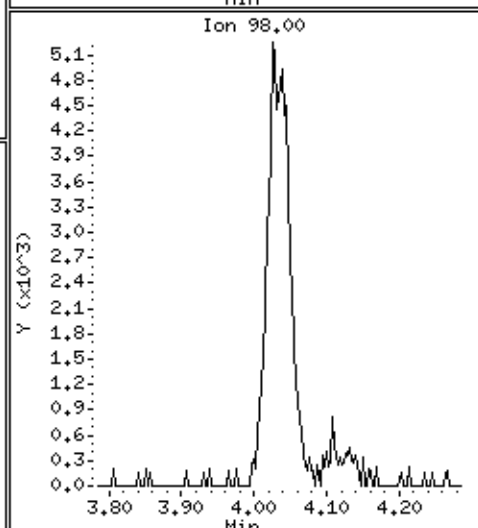
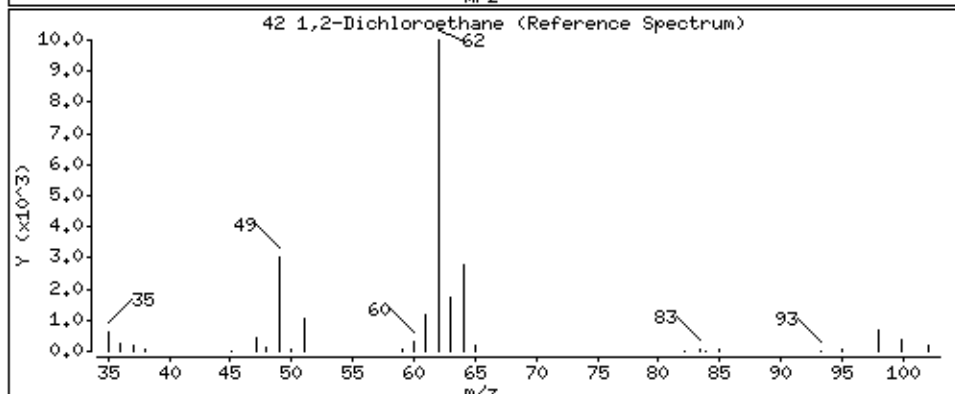
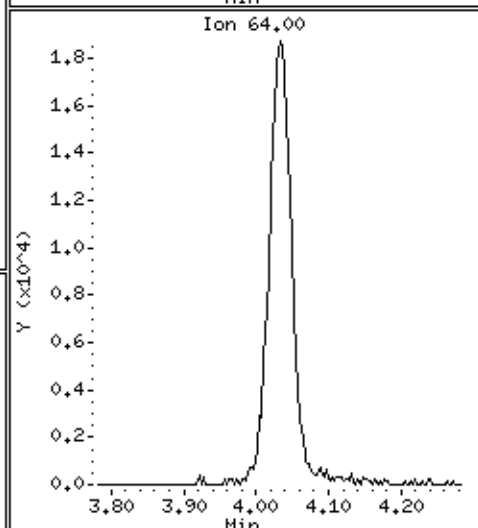
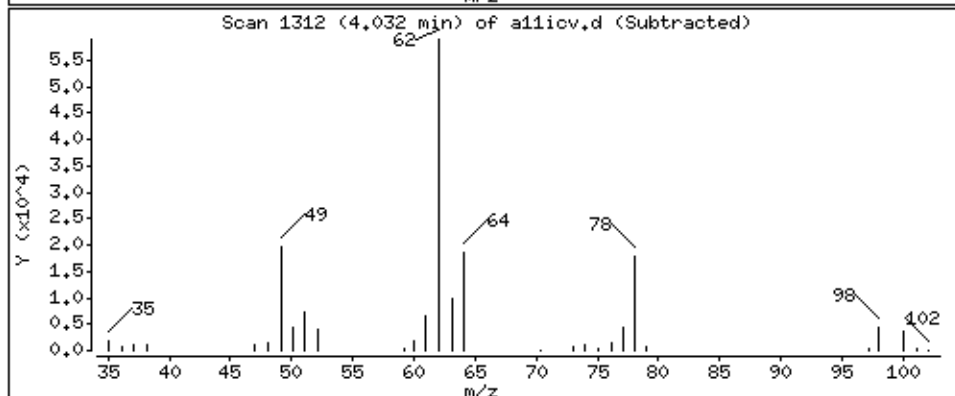
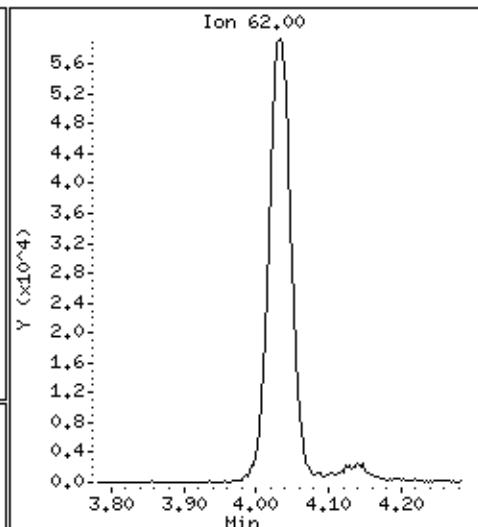
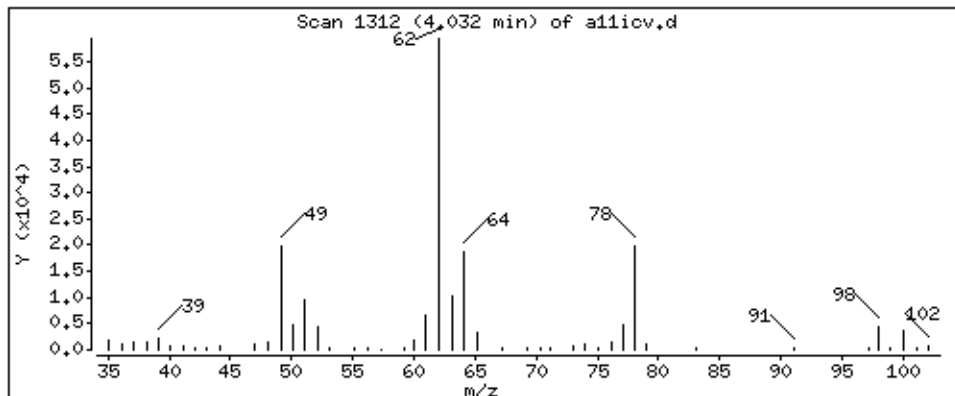
Operator: amv

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

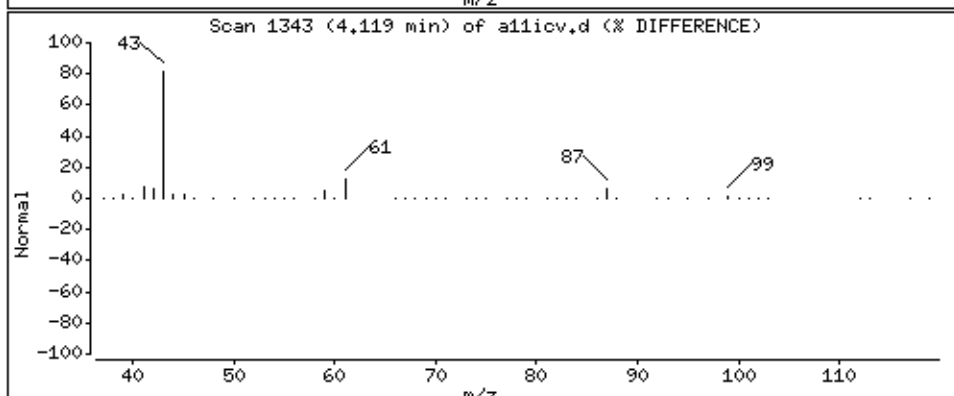
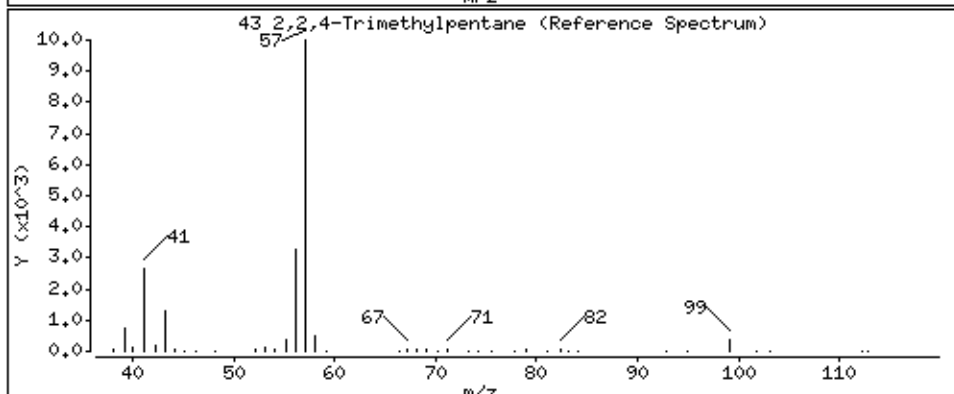
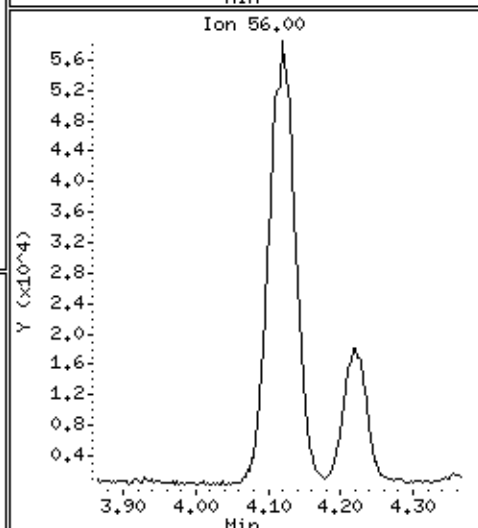
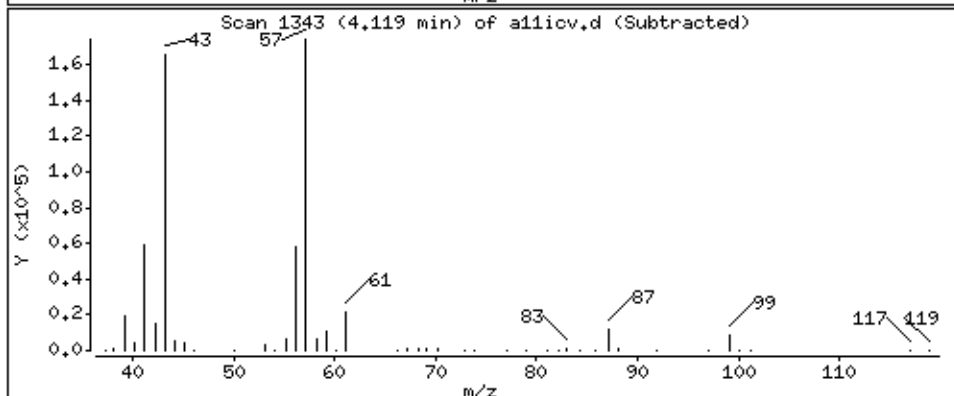
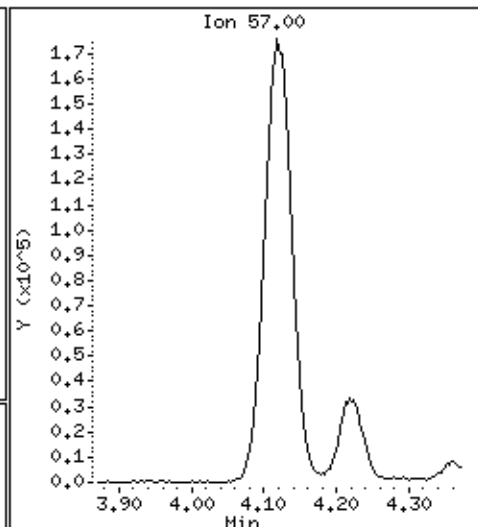
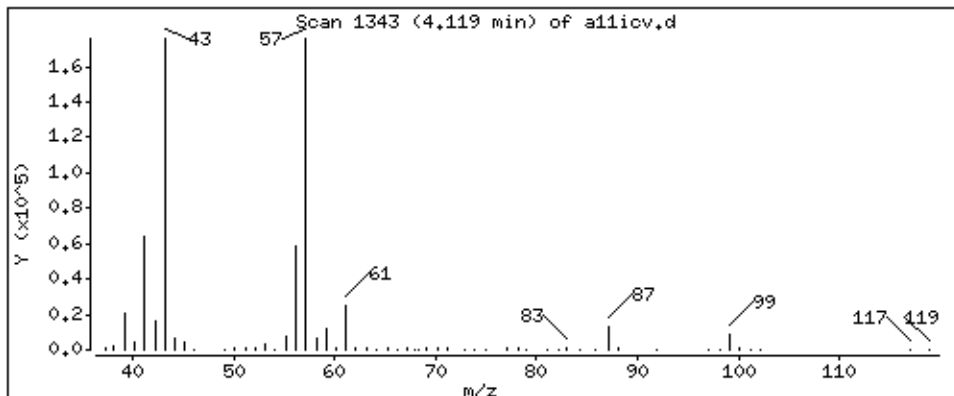
Operator: amv

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

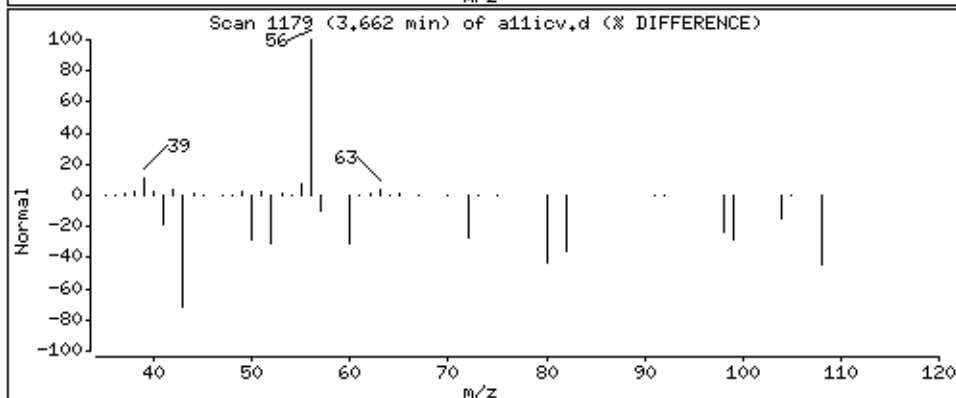
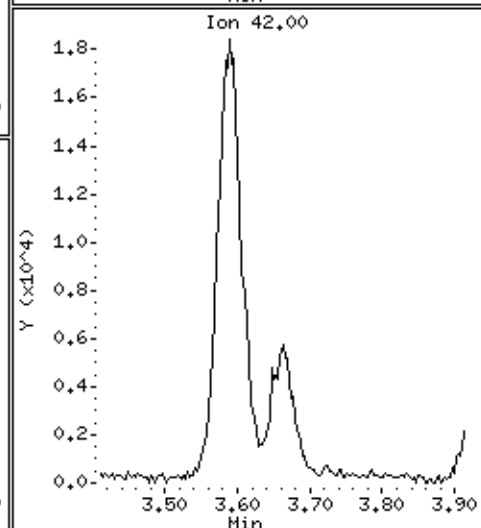
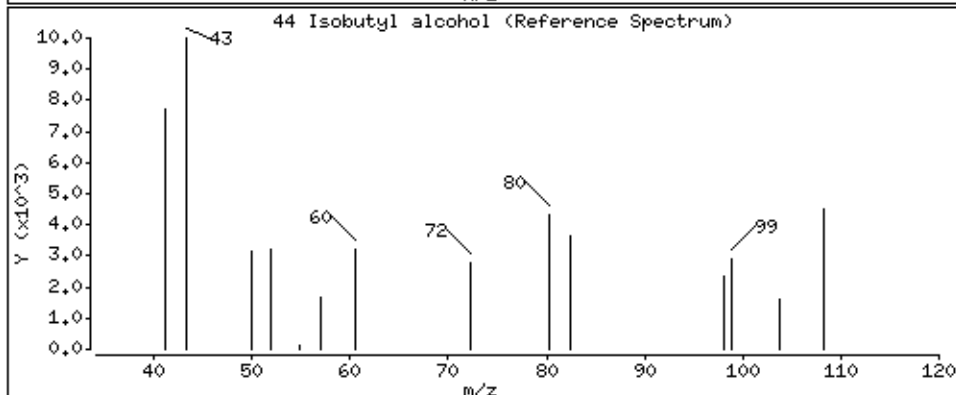
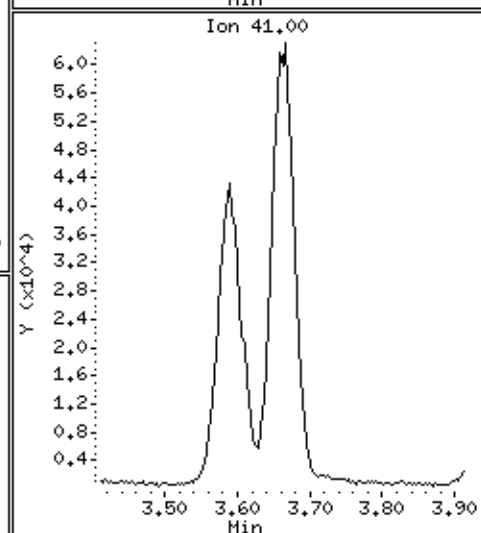
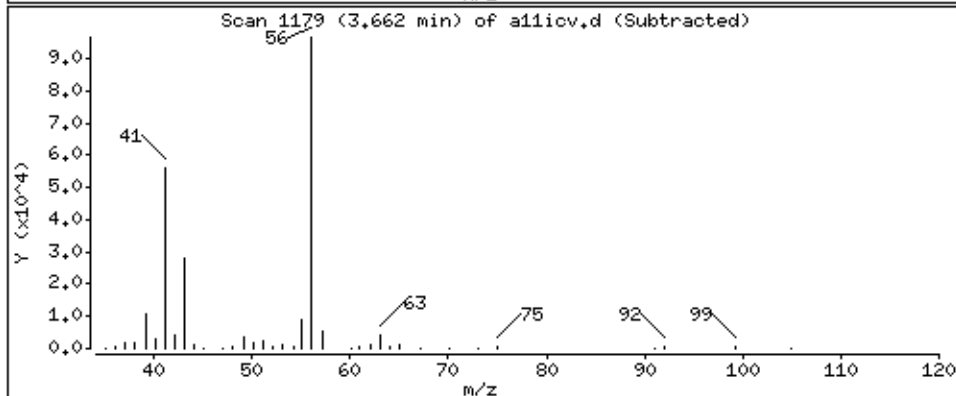
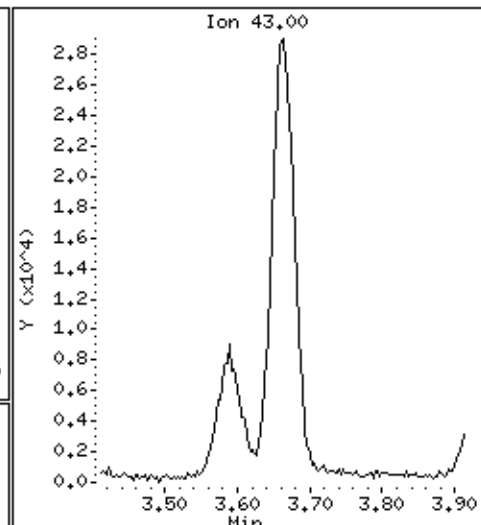
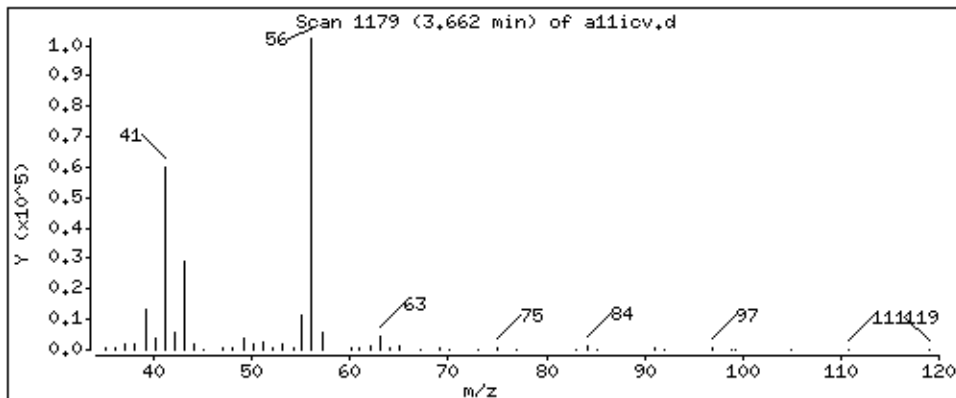
Operator: amv

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

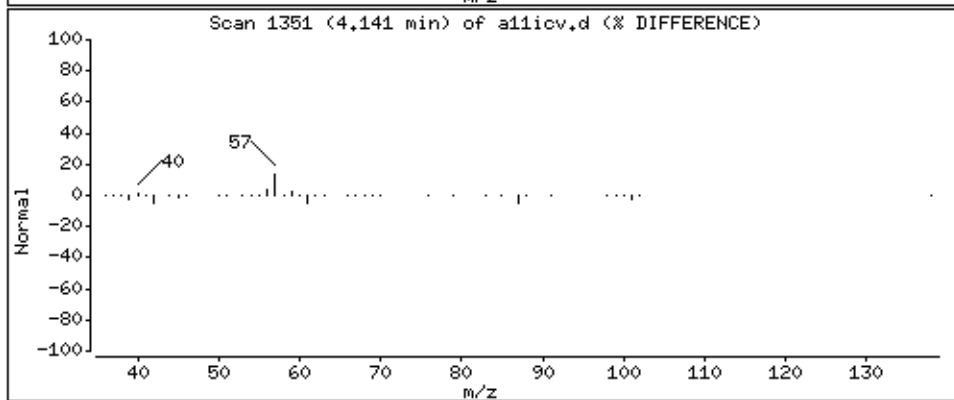
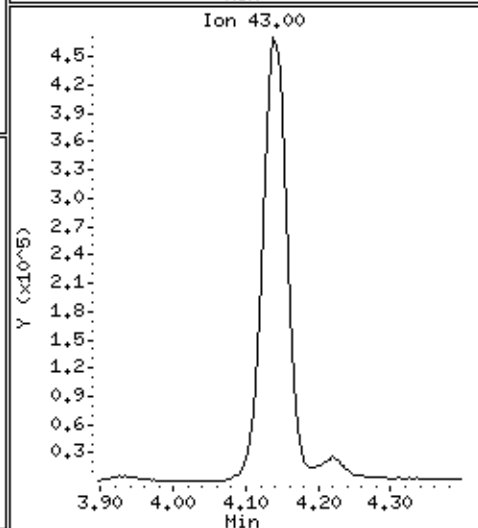
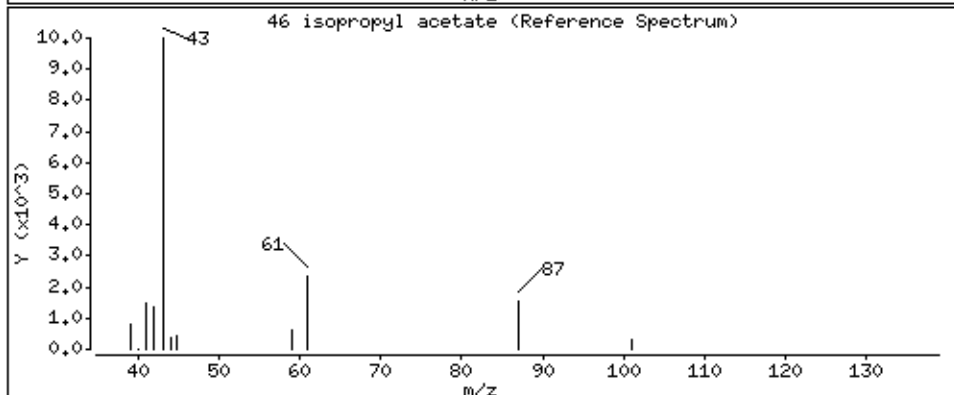
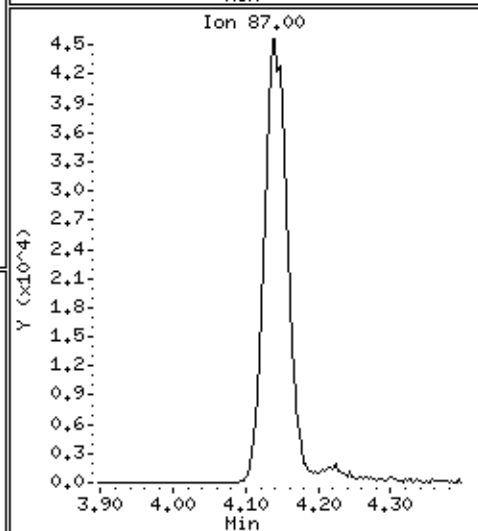
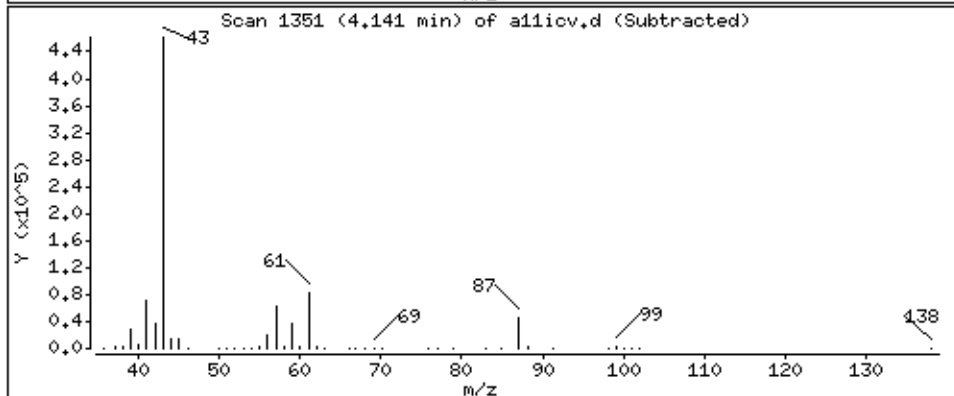
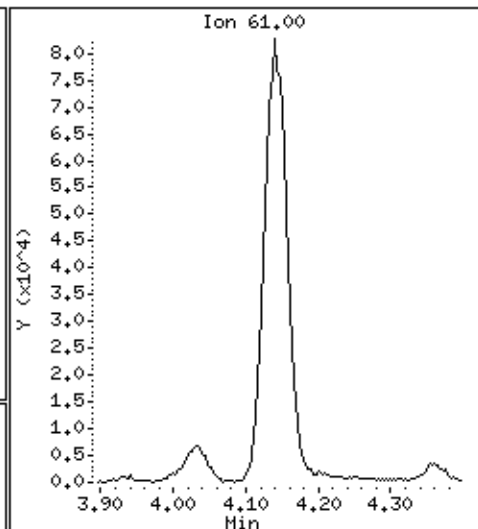
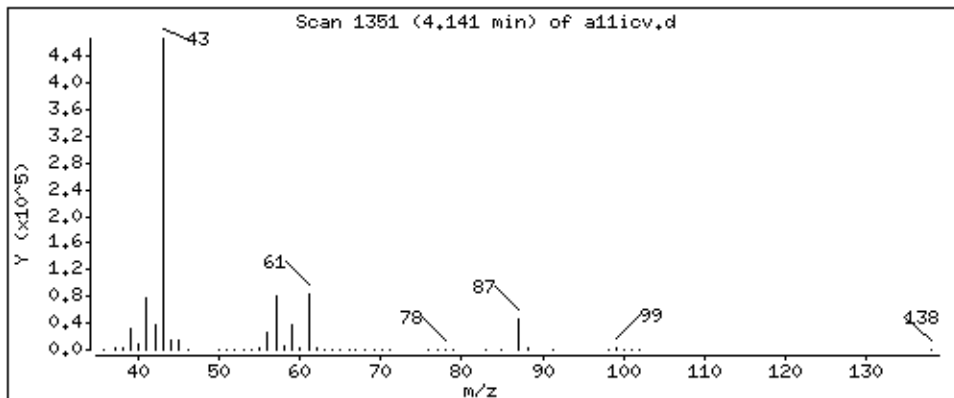
Operator: amv

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

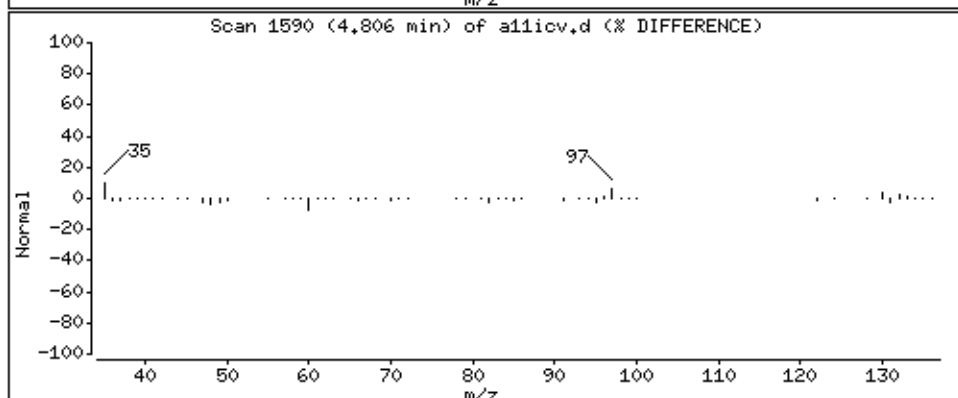
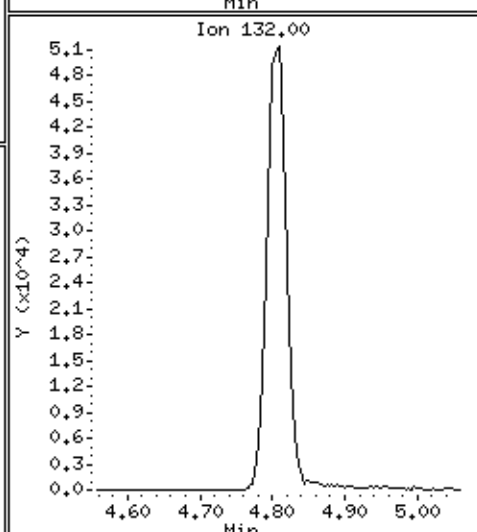
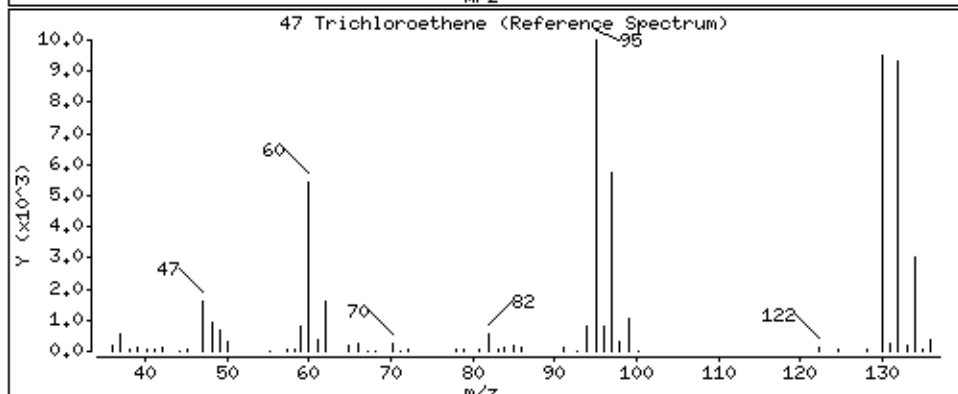
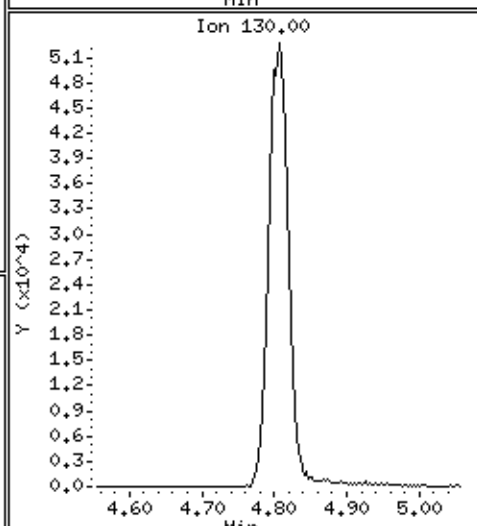
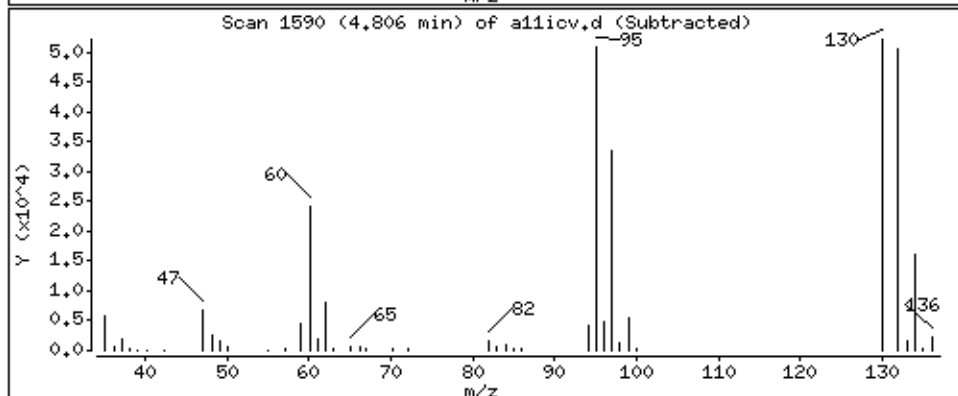
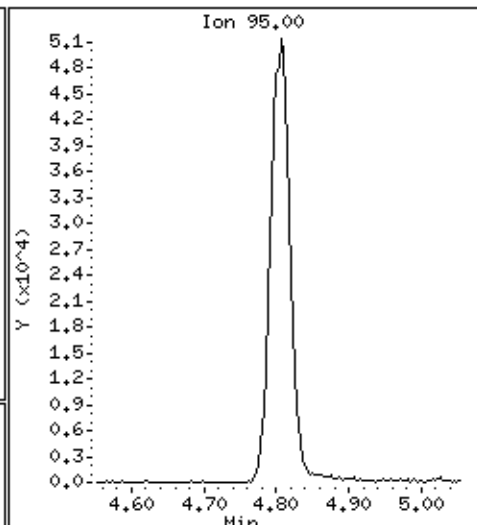
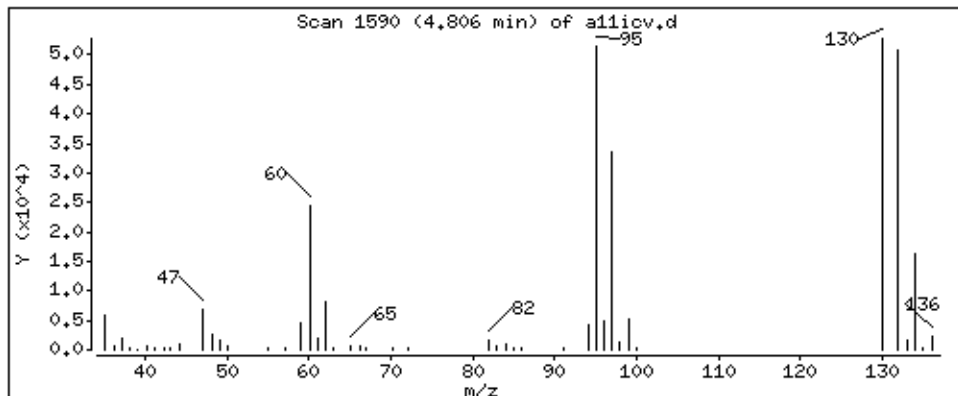
Operator: amv

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

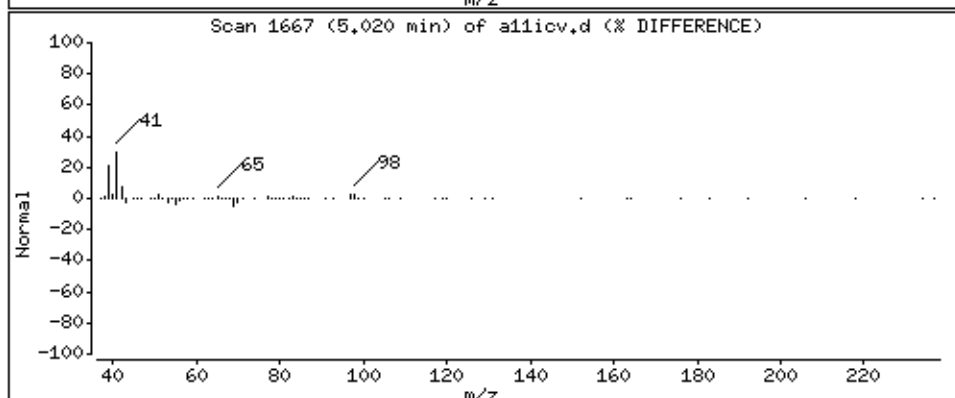
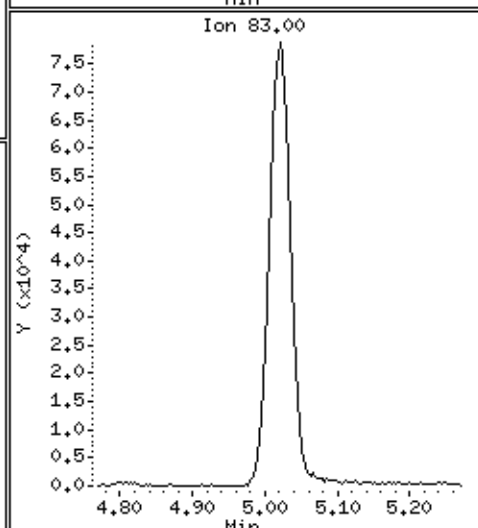
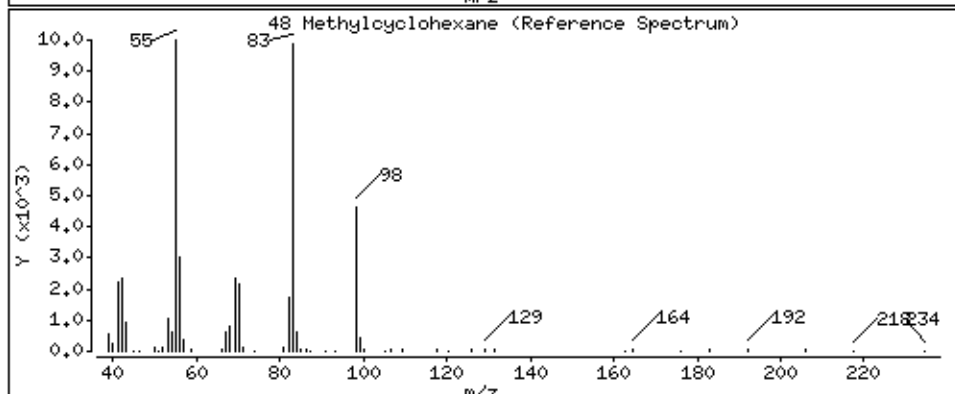
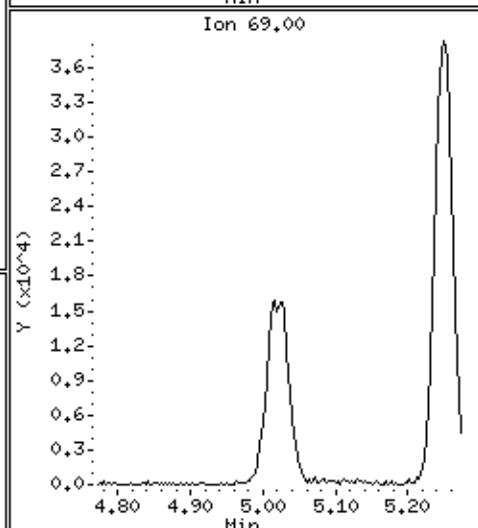
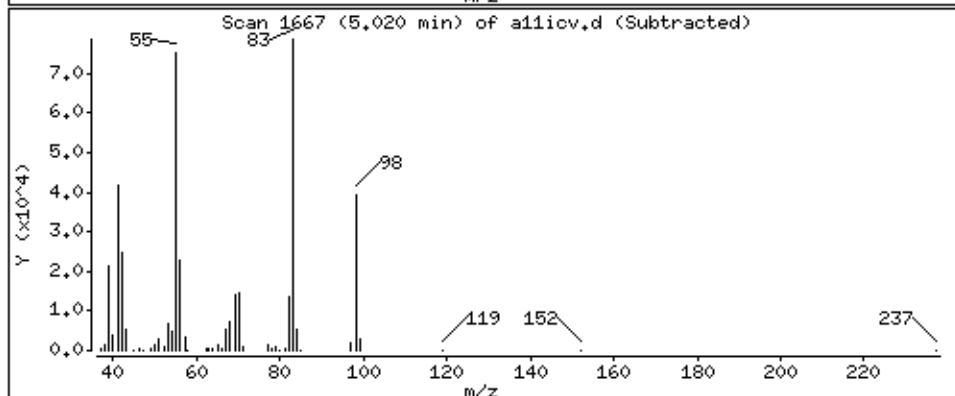
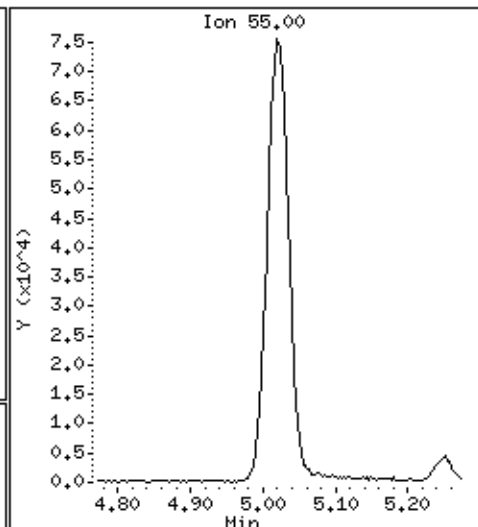
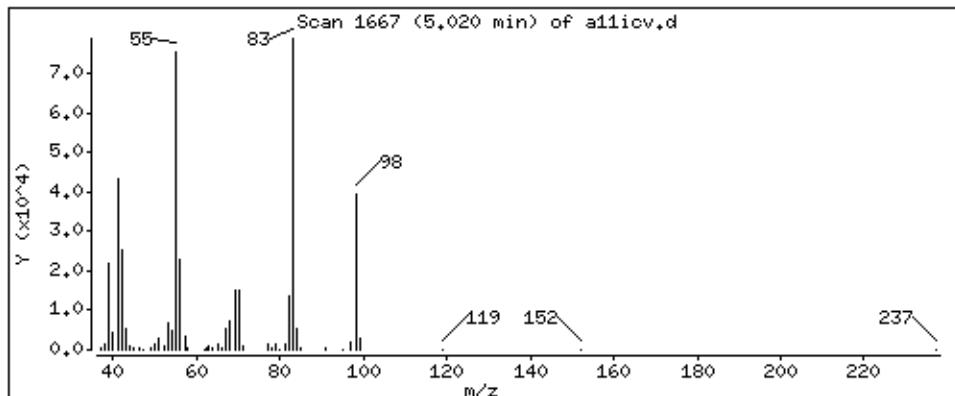
Operator: amv

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

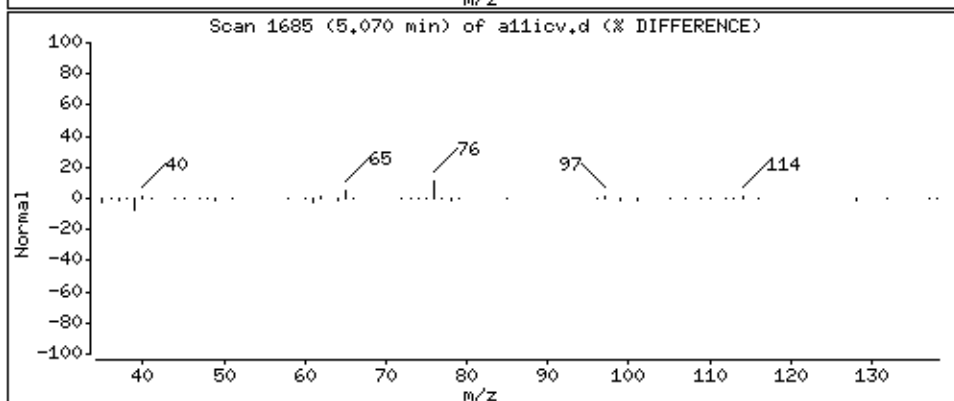
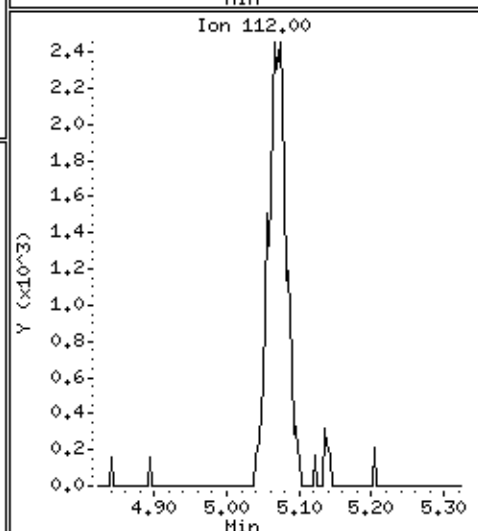
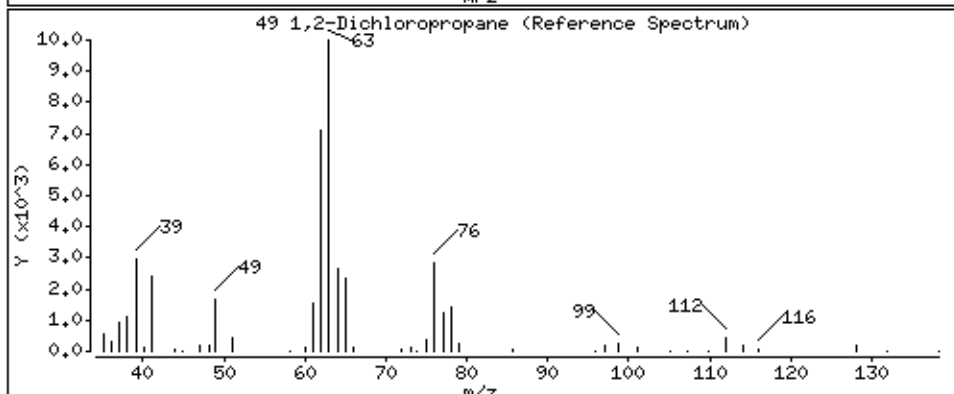
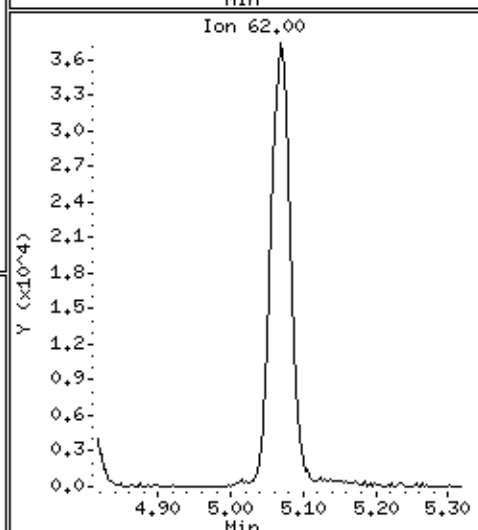
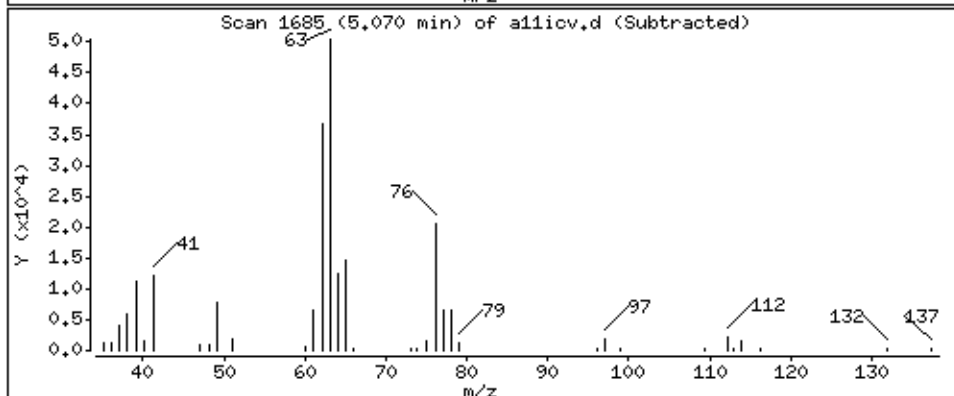
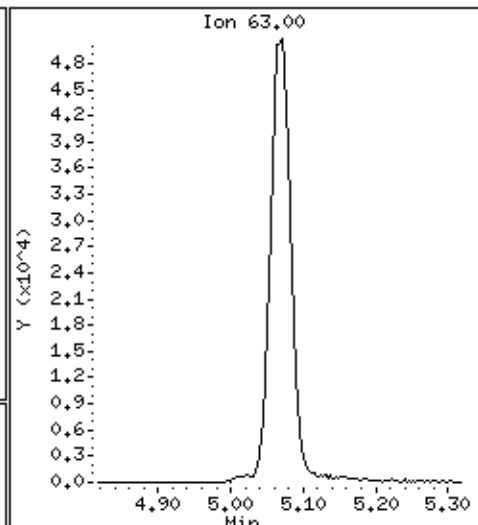
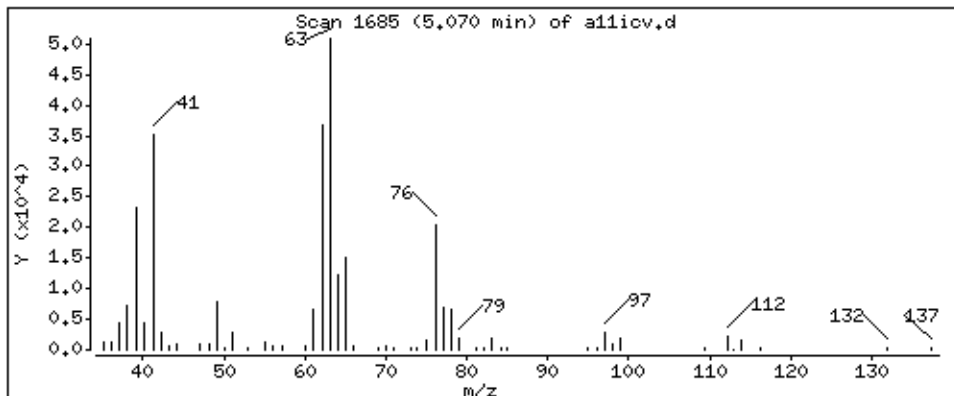
Operator: amv

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

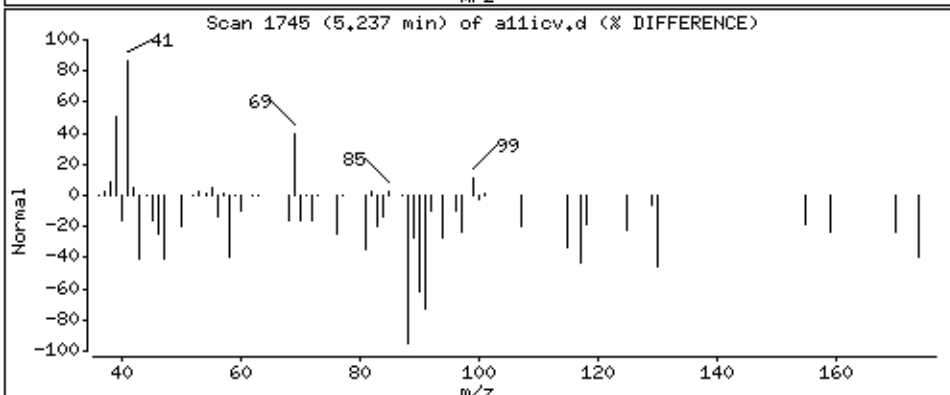
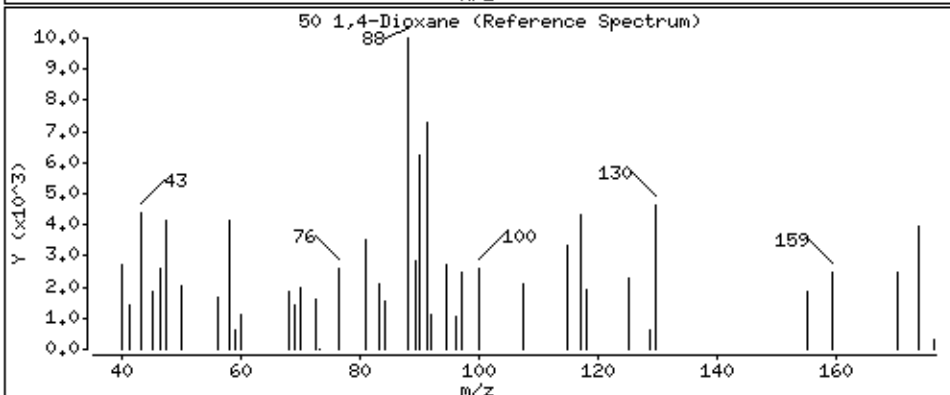
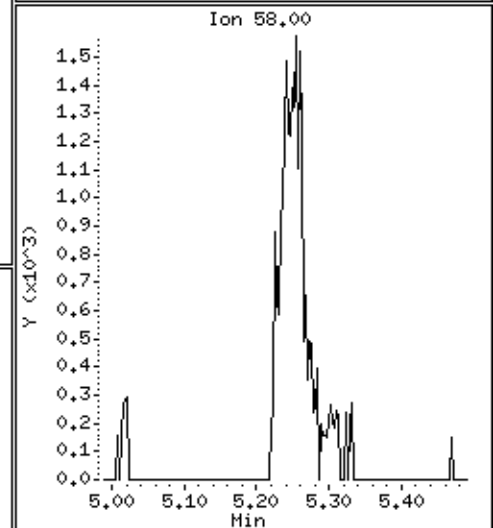
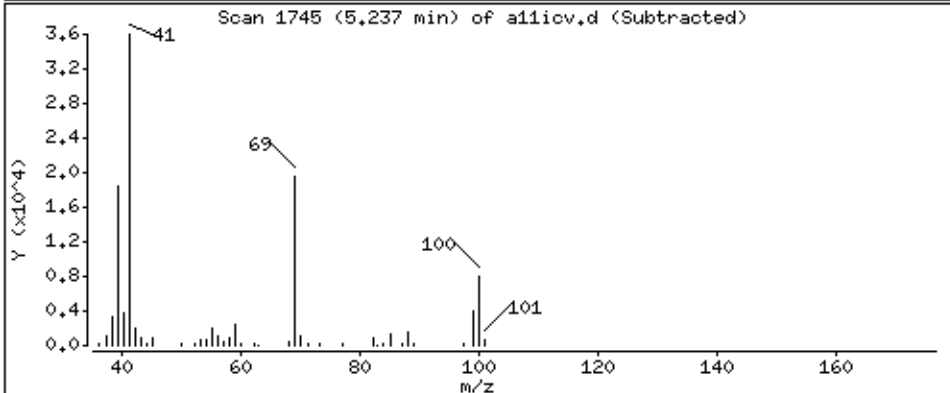
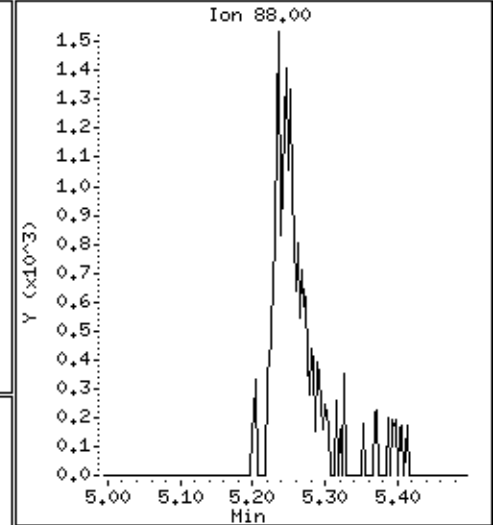
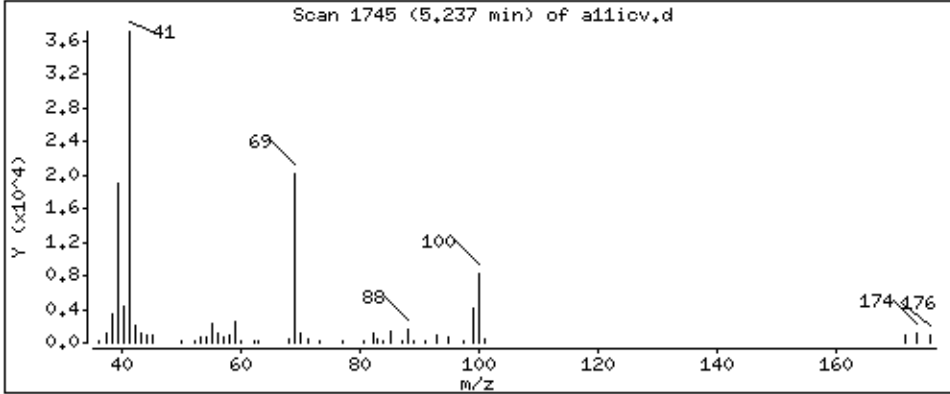
Operator: amv

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

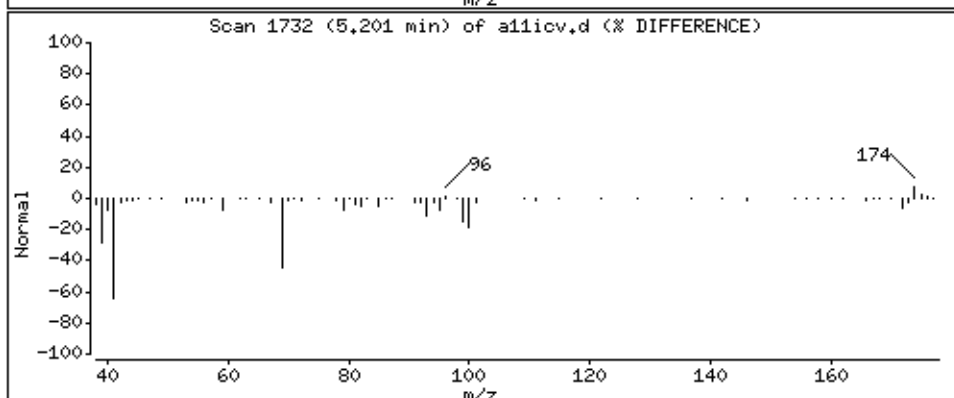
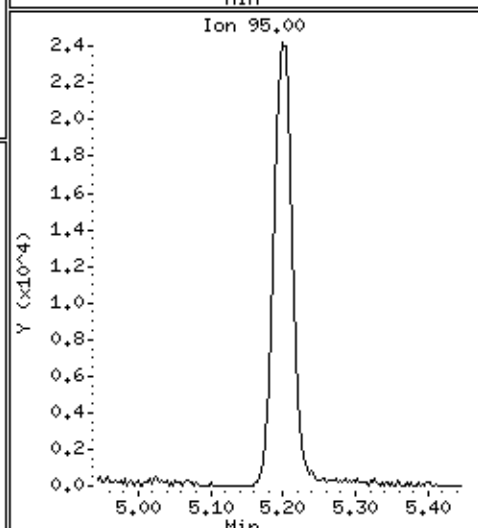
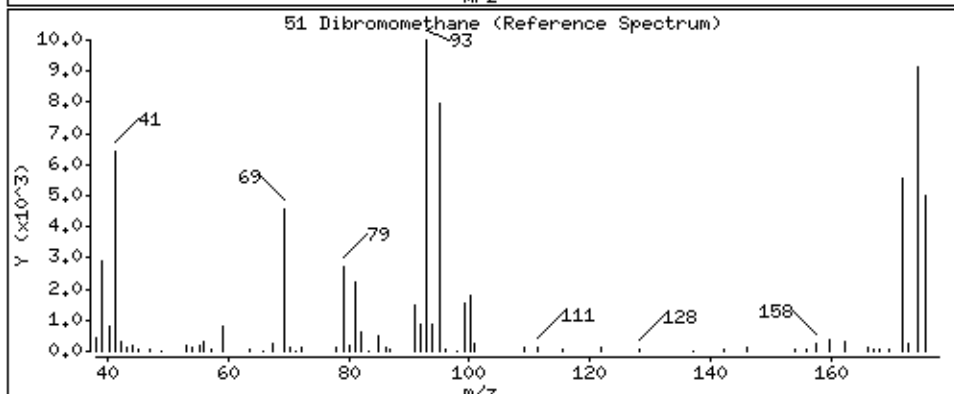
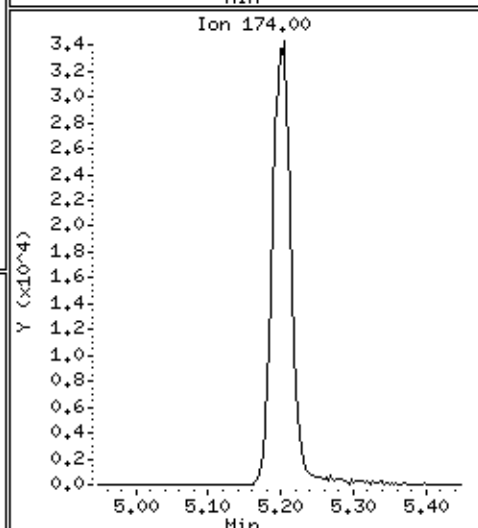
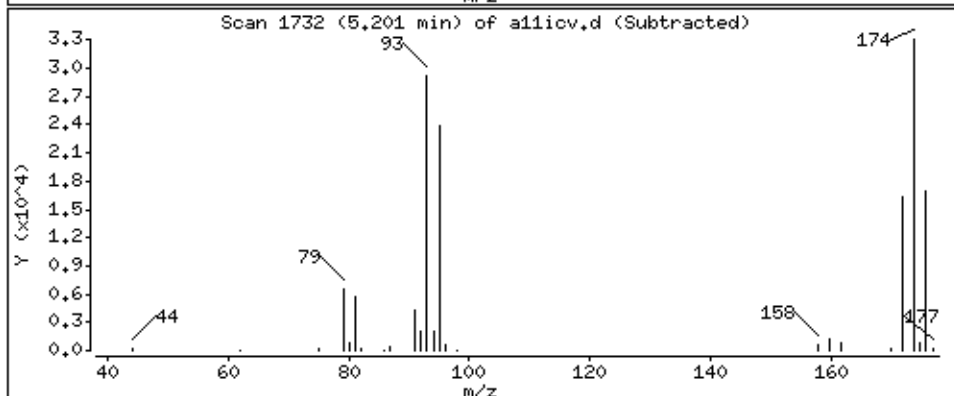
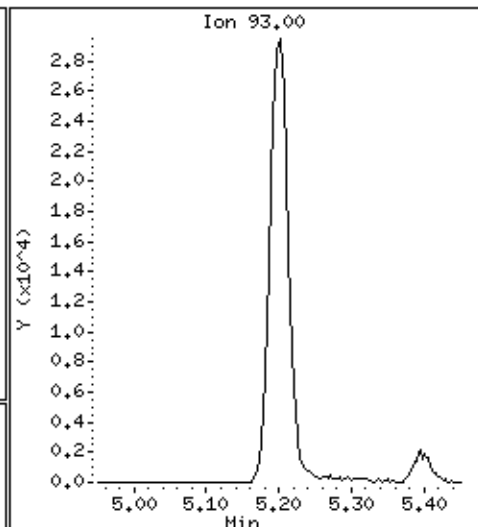
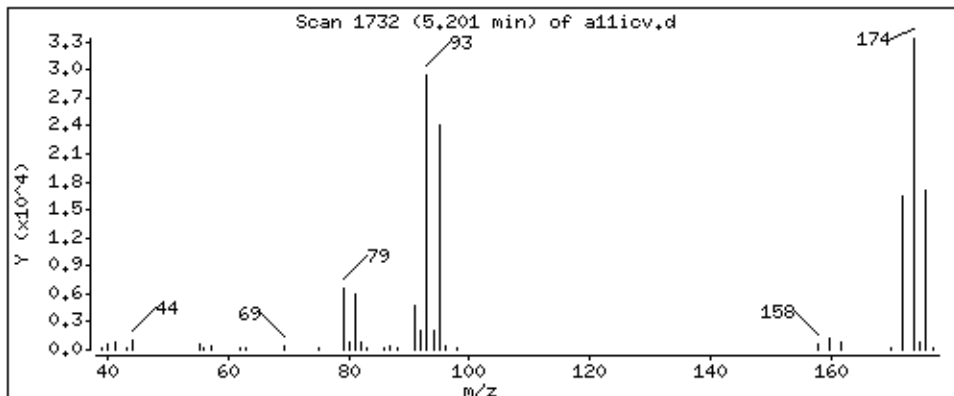
Operator: amv

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

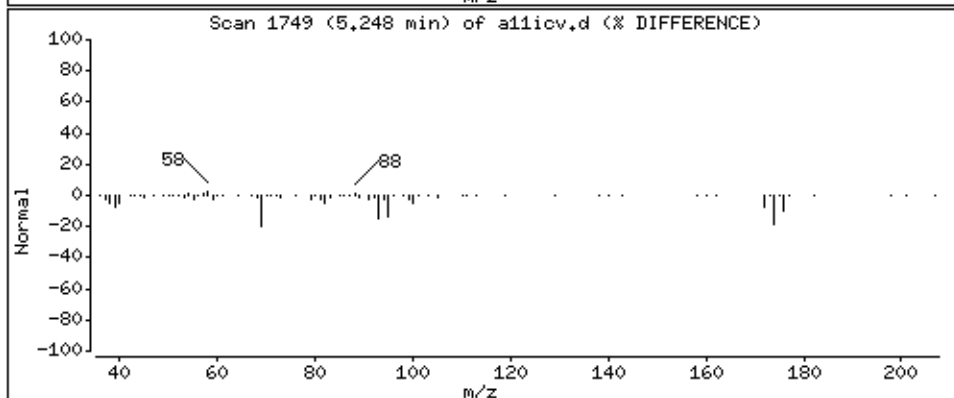
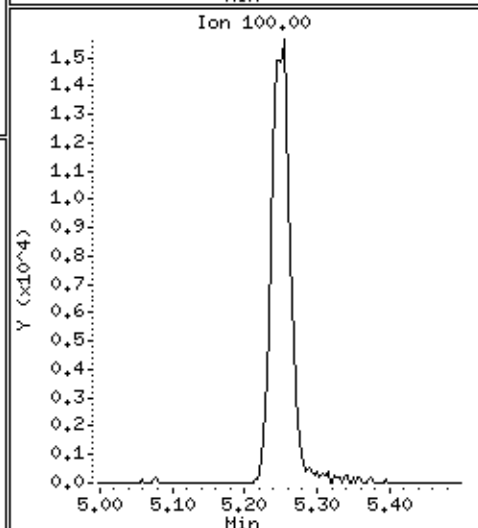
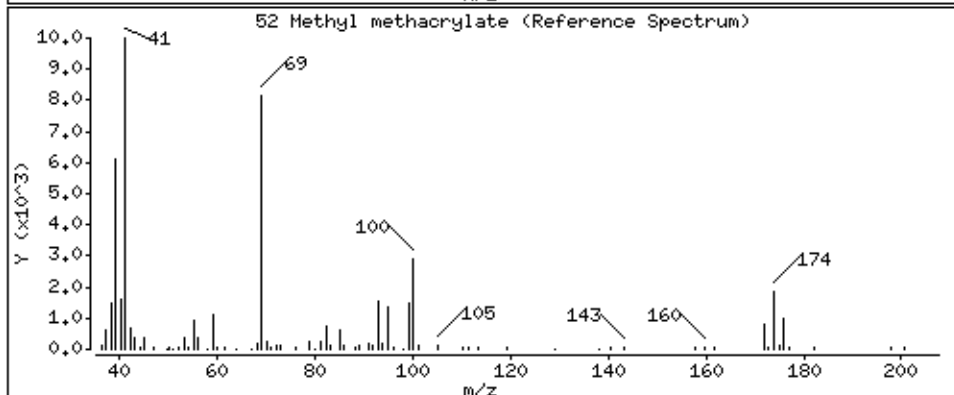
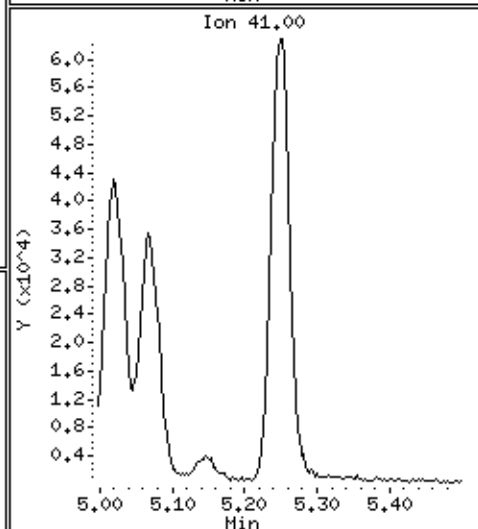
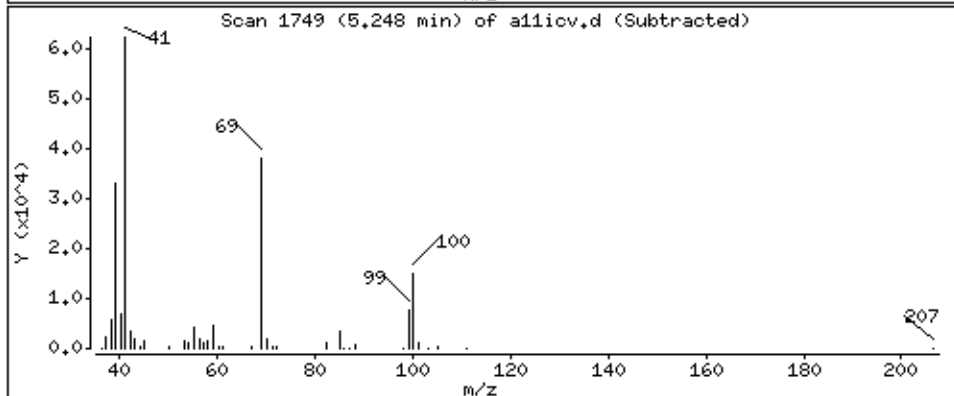
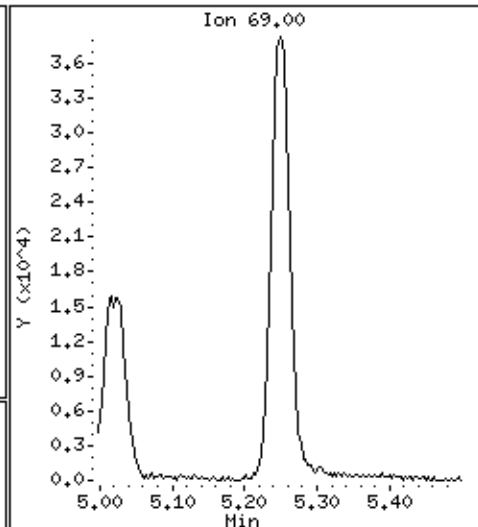
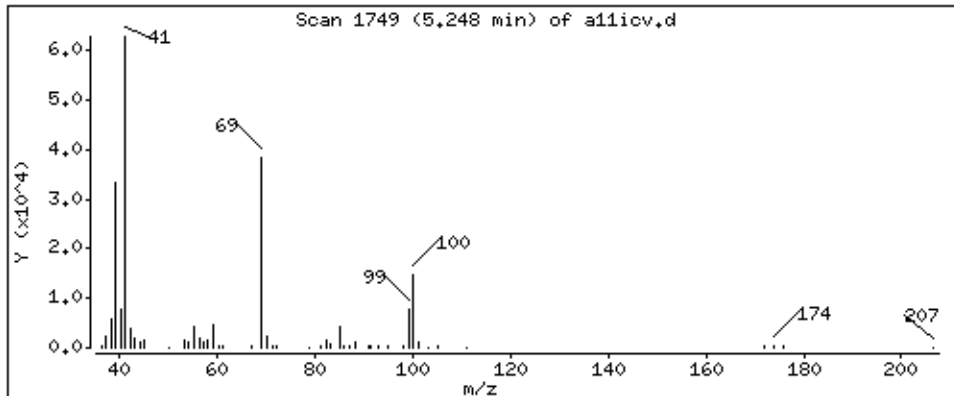
Operator: amv

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

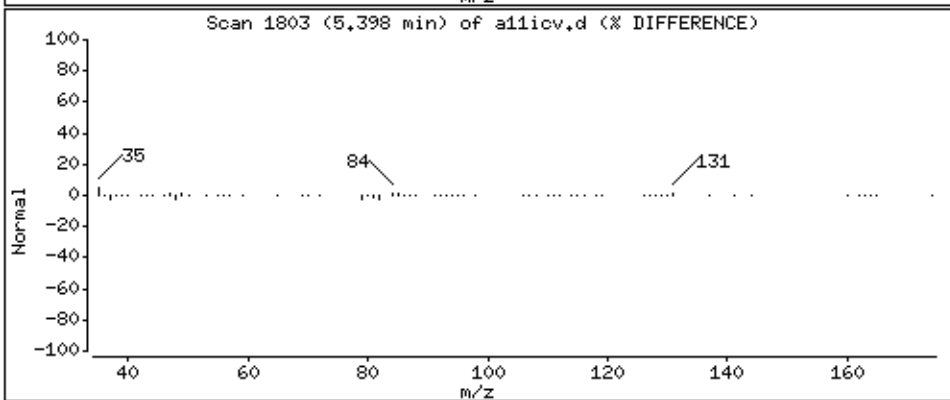
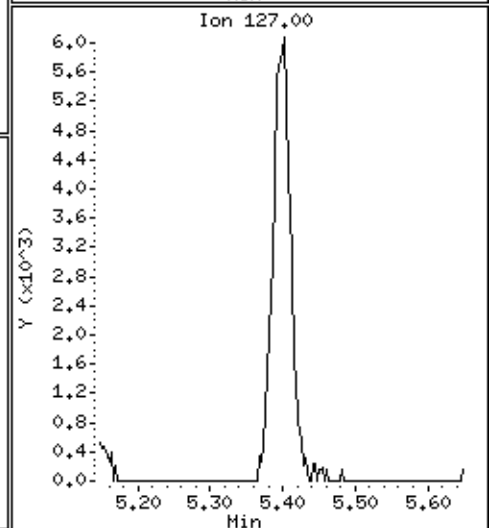
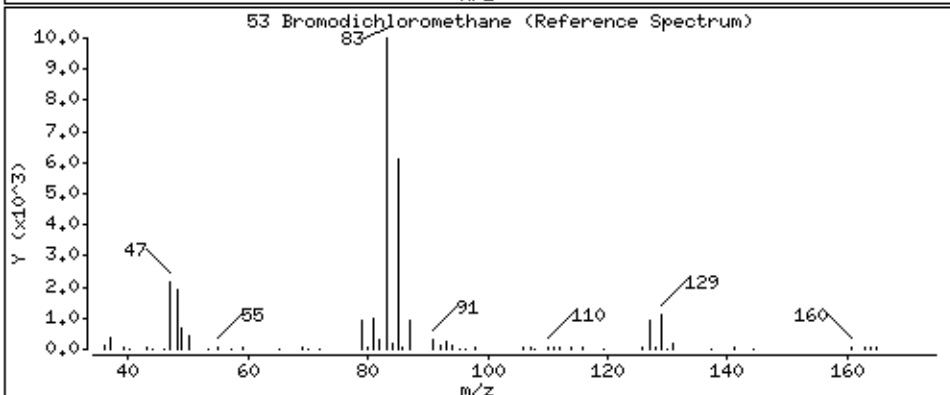
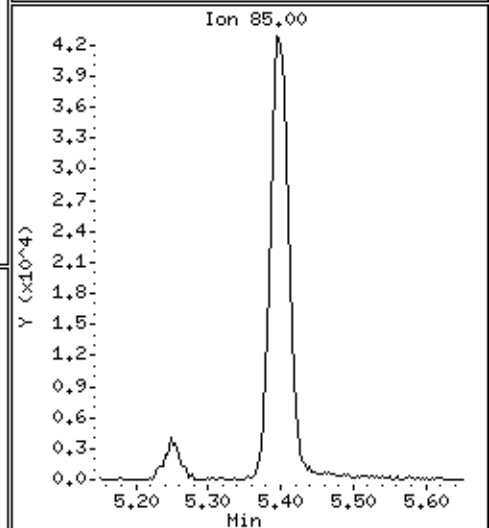
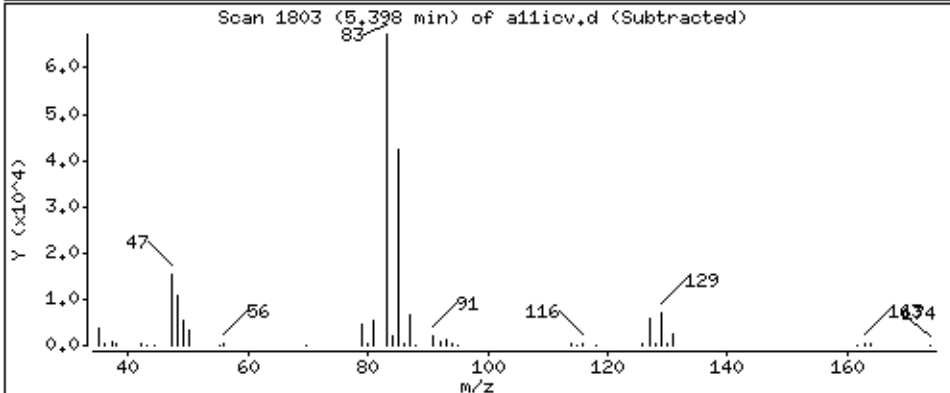
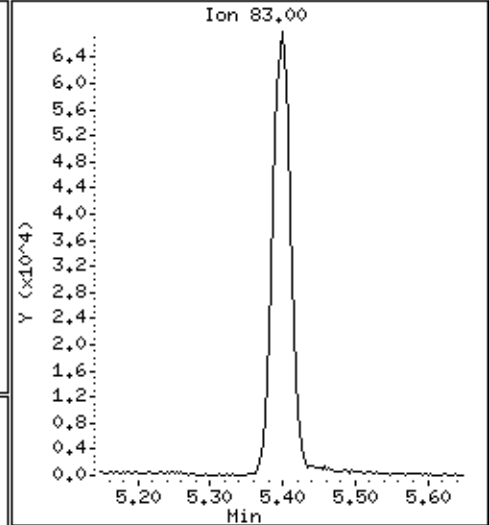
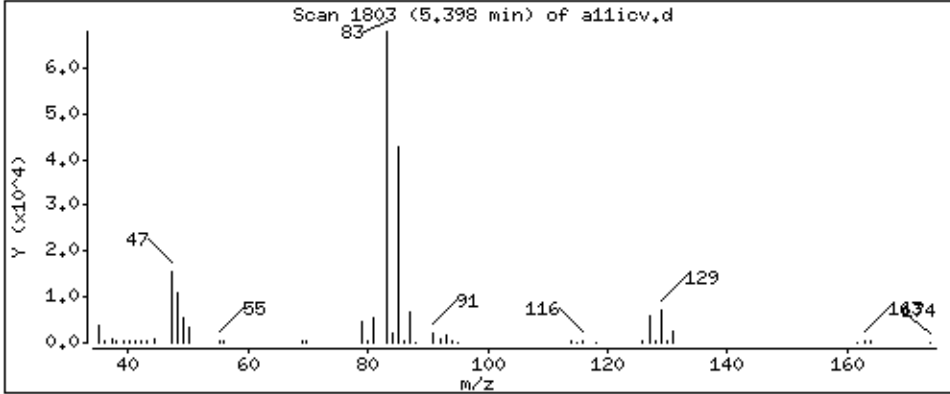
Operator: amv

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

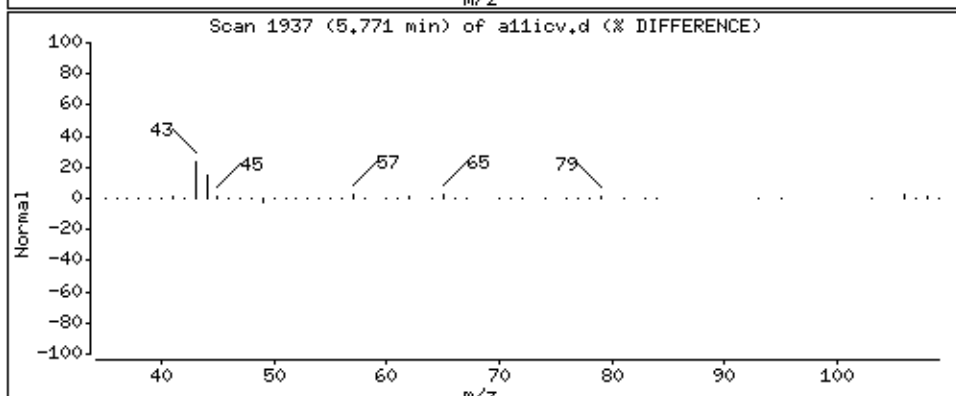
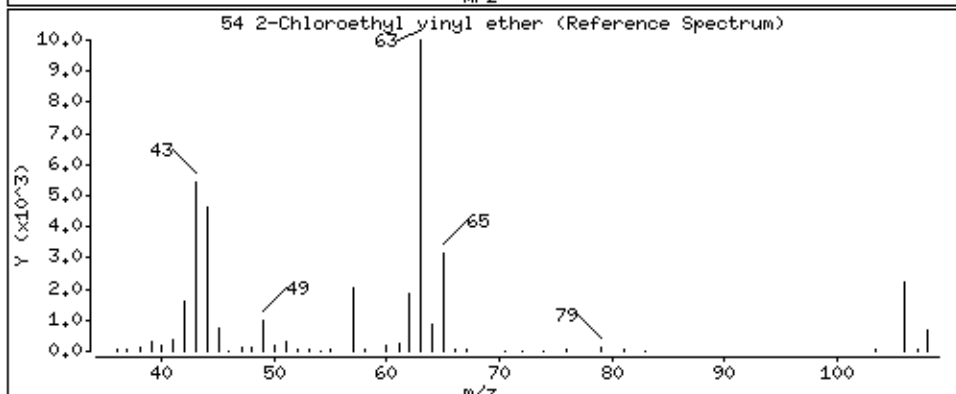
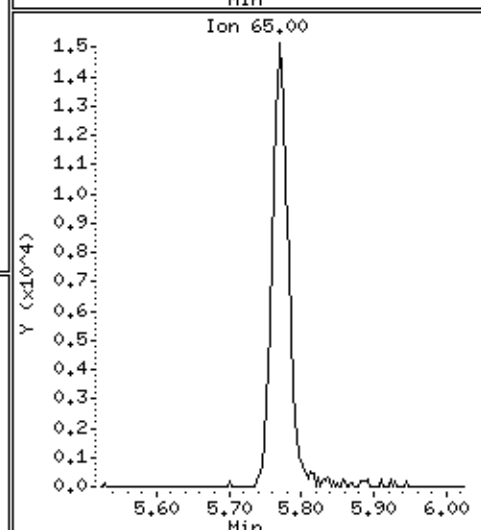
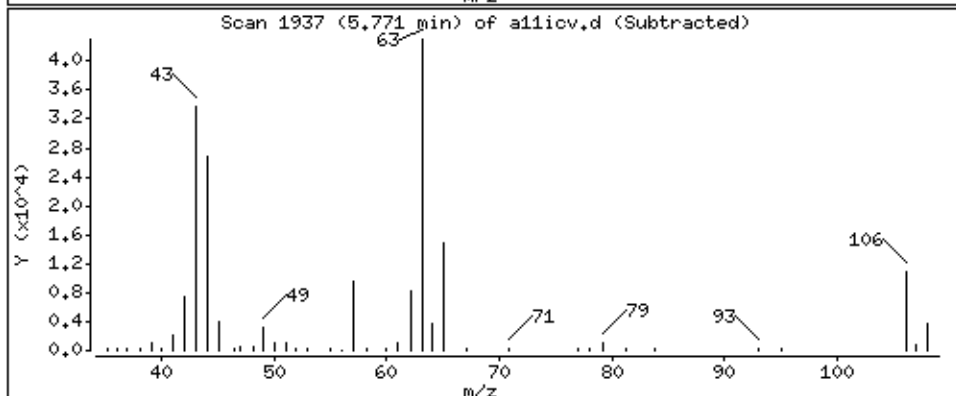
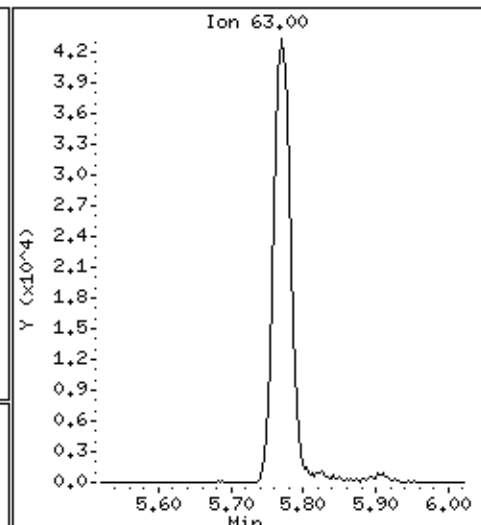
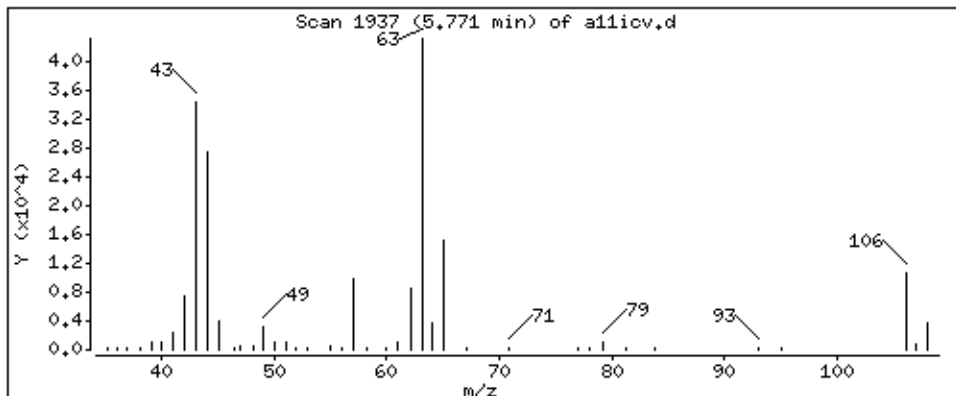
Operator: amv

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

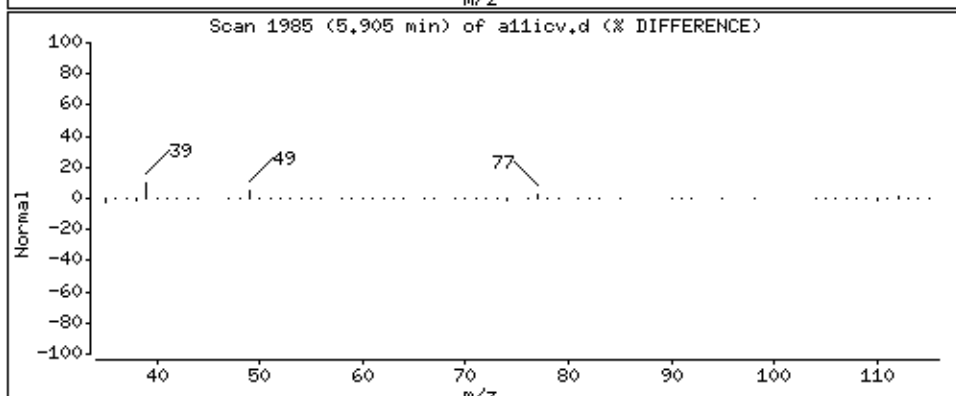
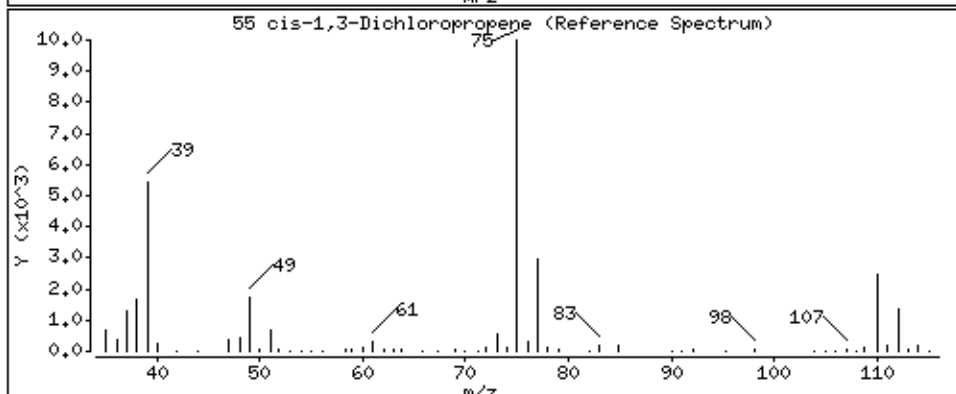
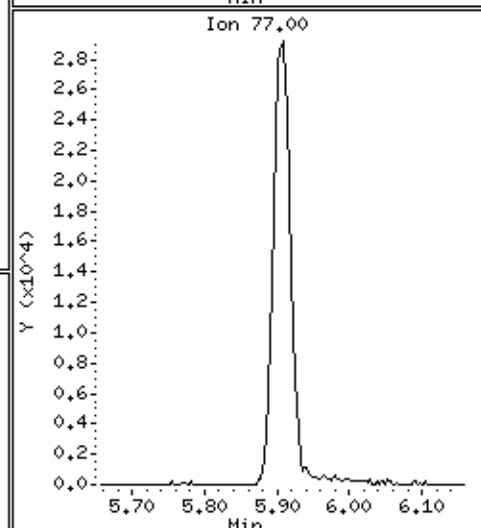
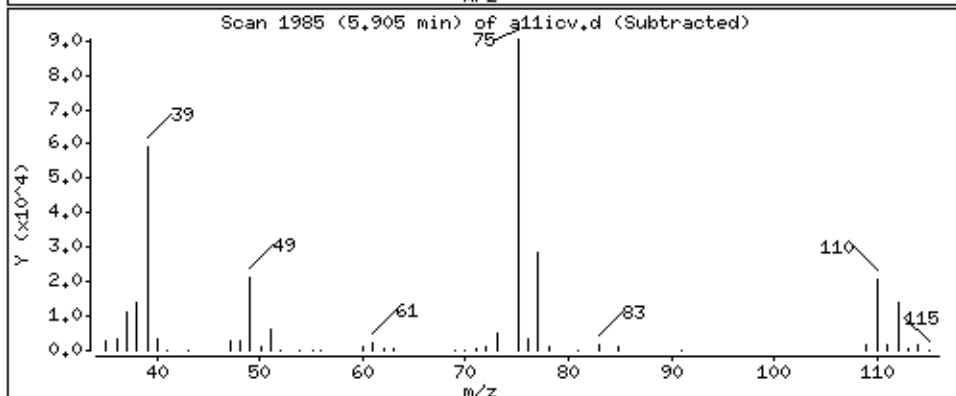
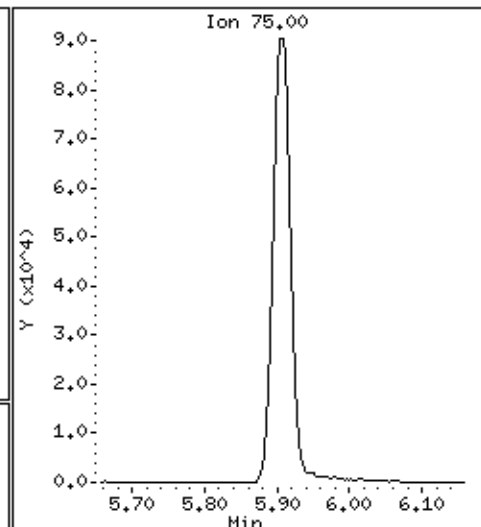
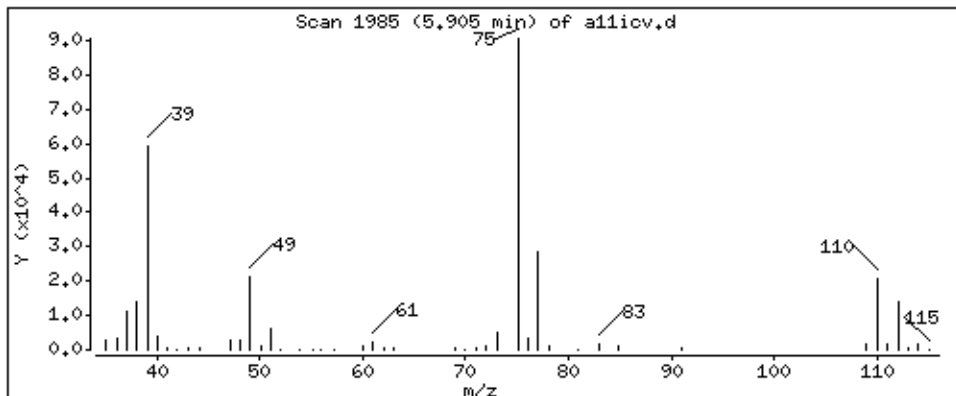
Operator: amv

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

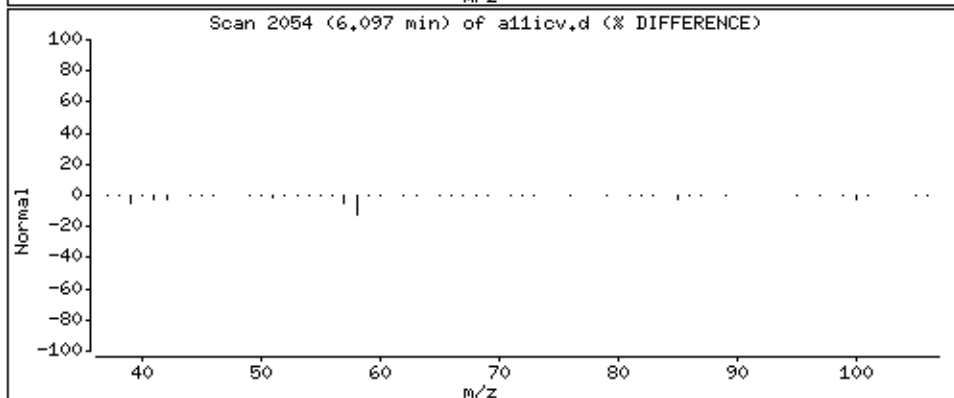
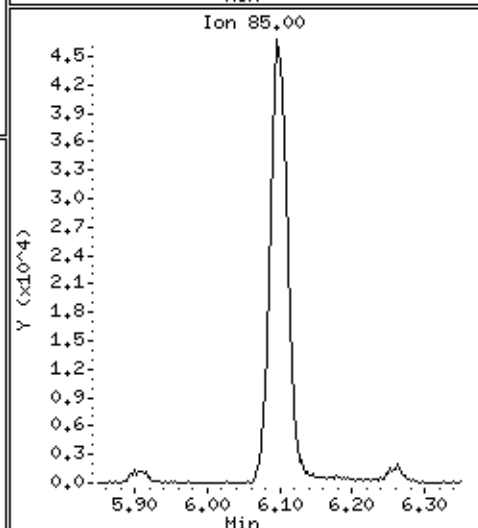
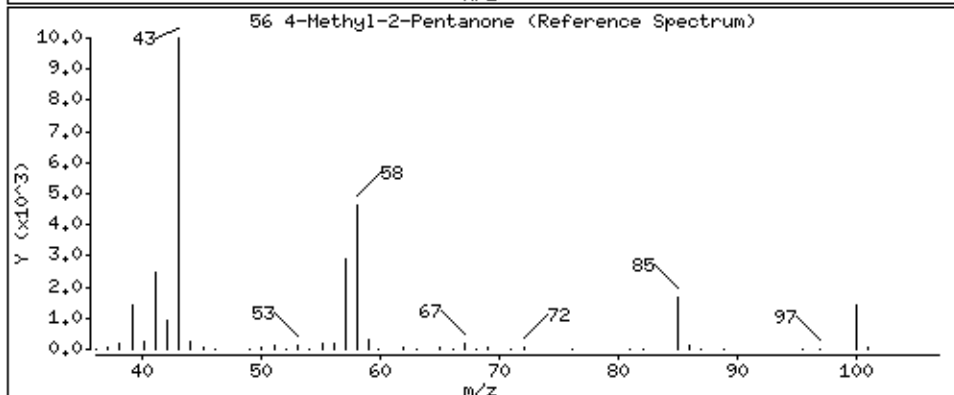
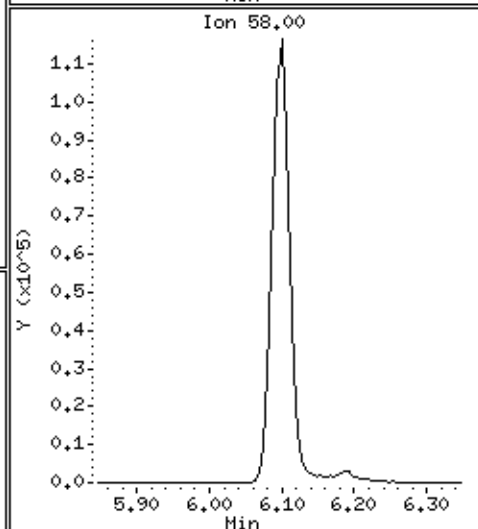
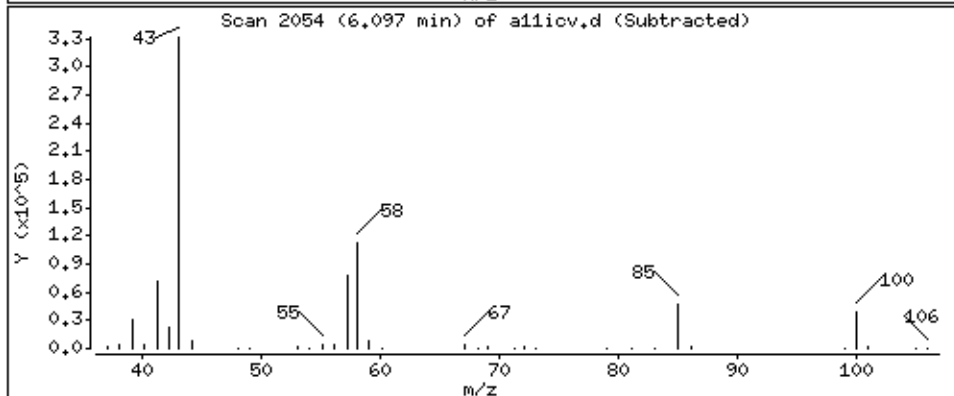
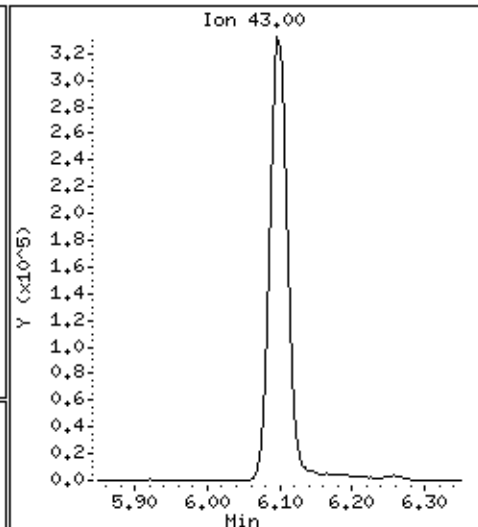
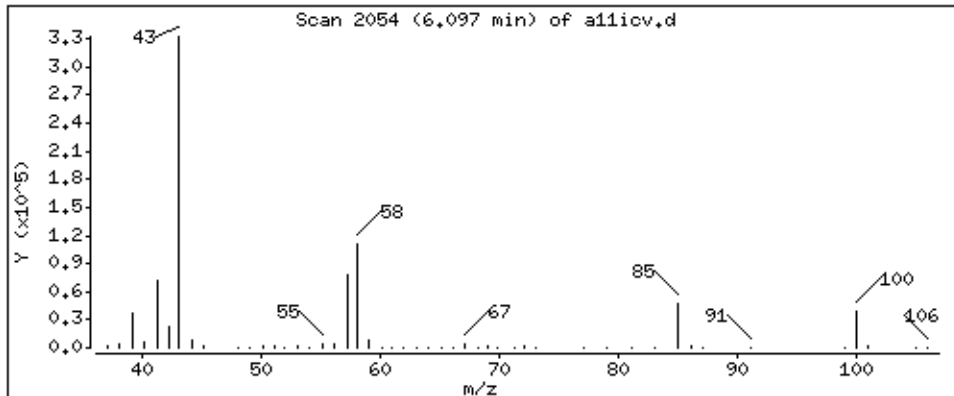
Operator: amv

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

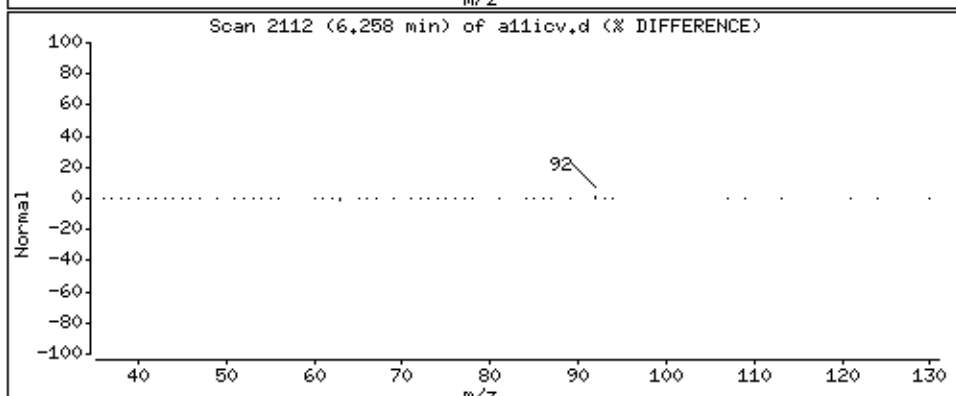
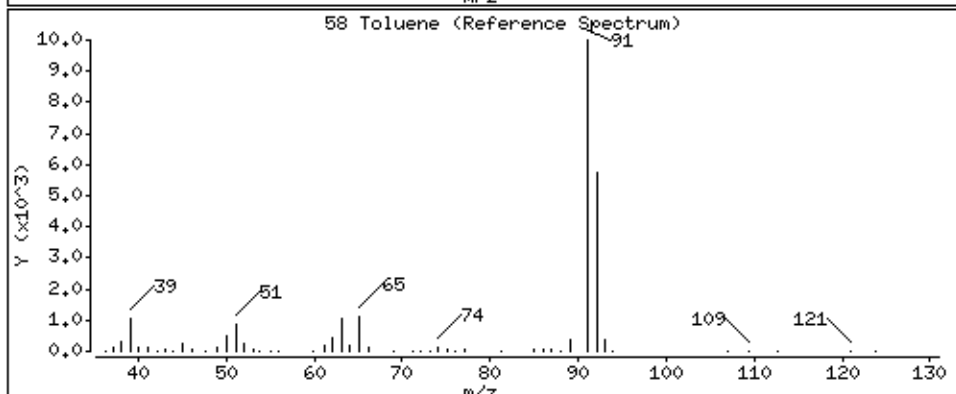
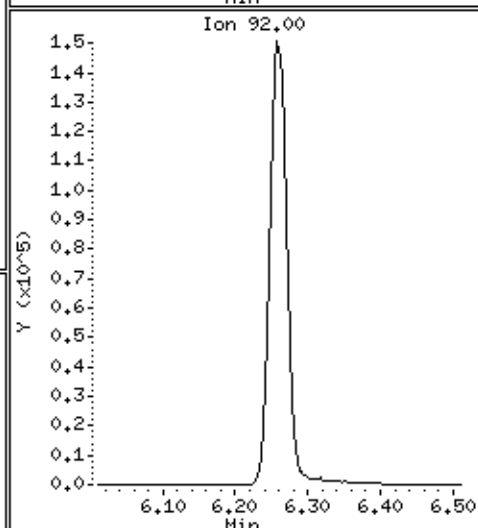
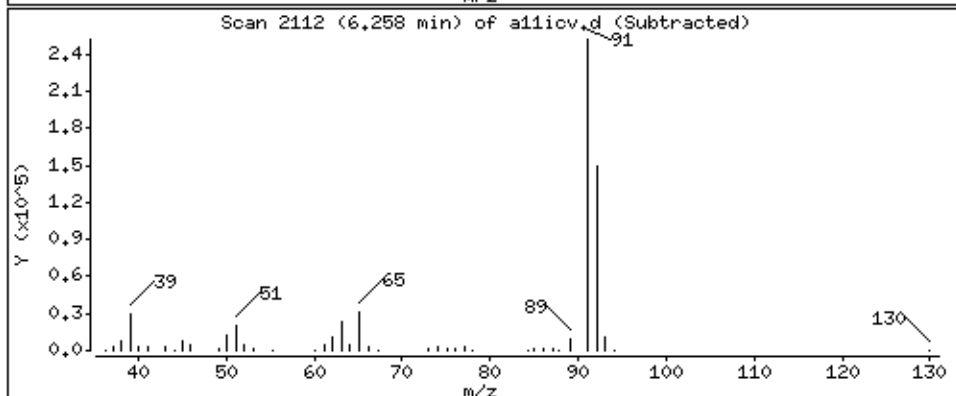
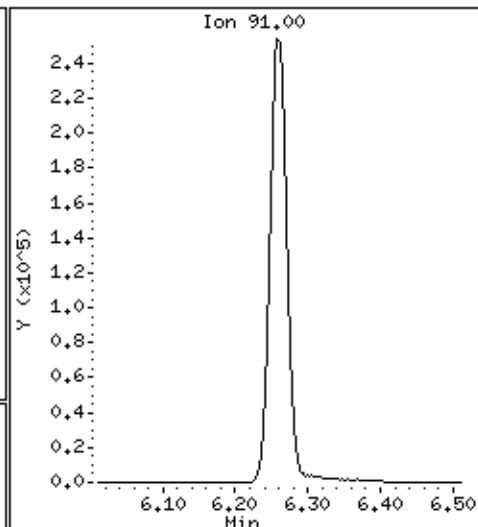
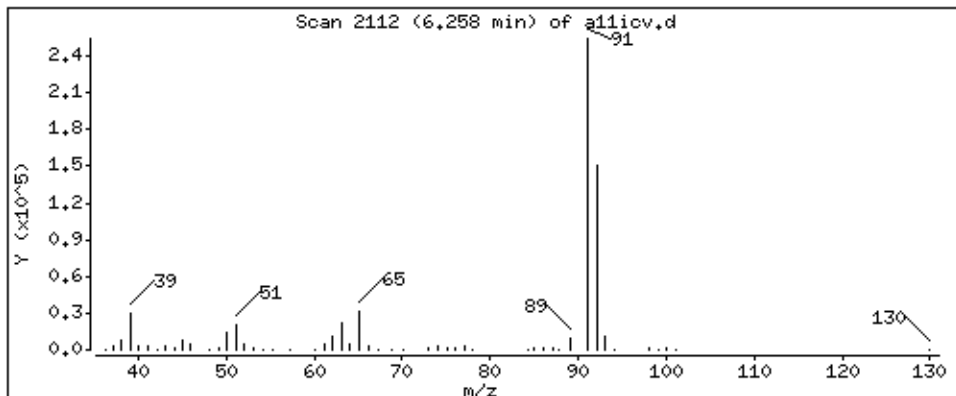
Operator: amv

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

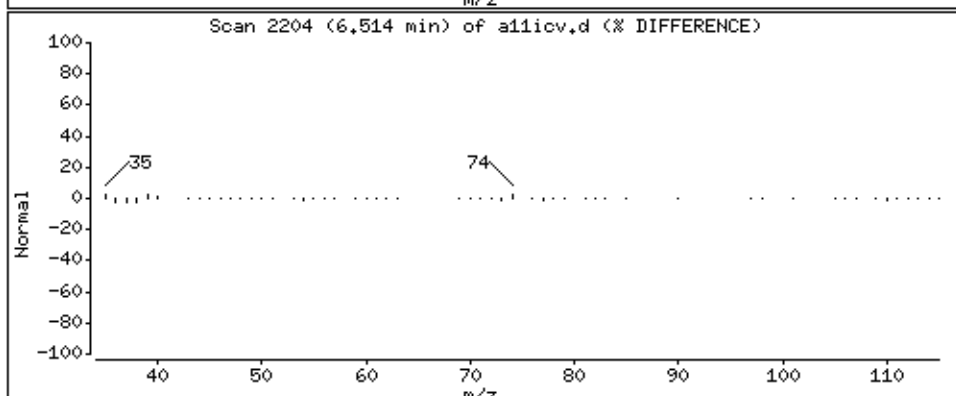
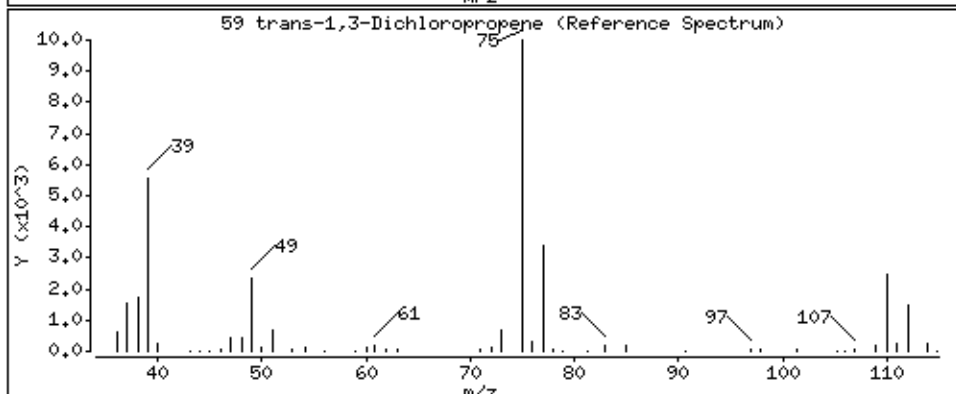
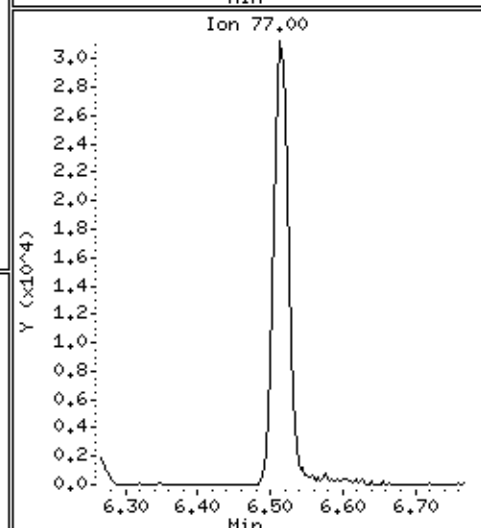
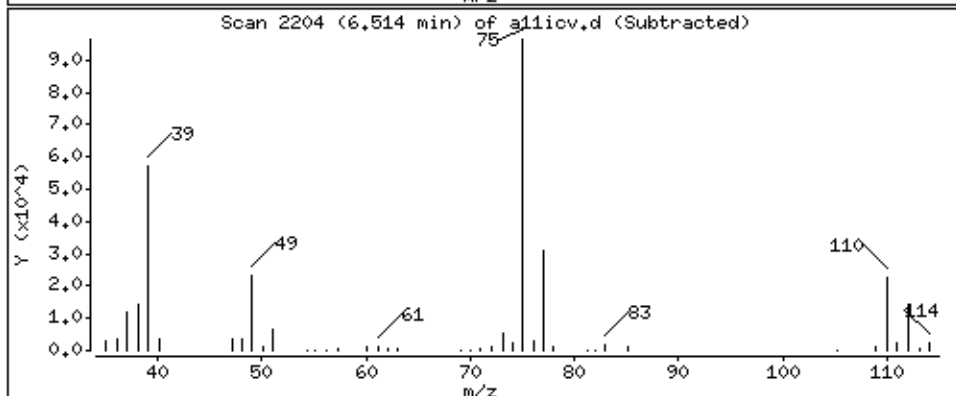
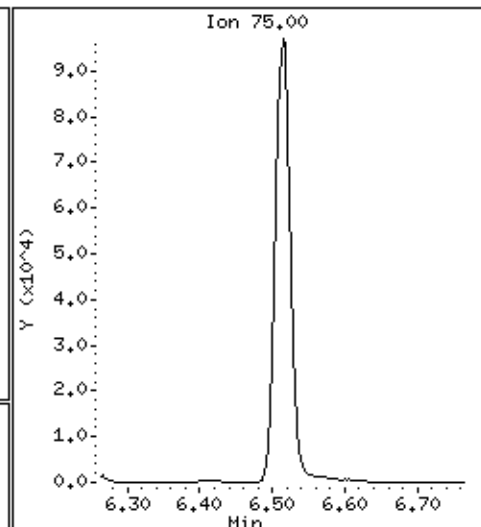
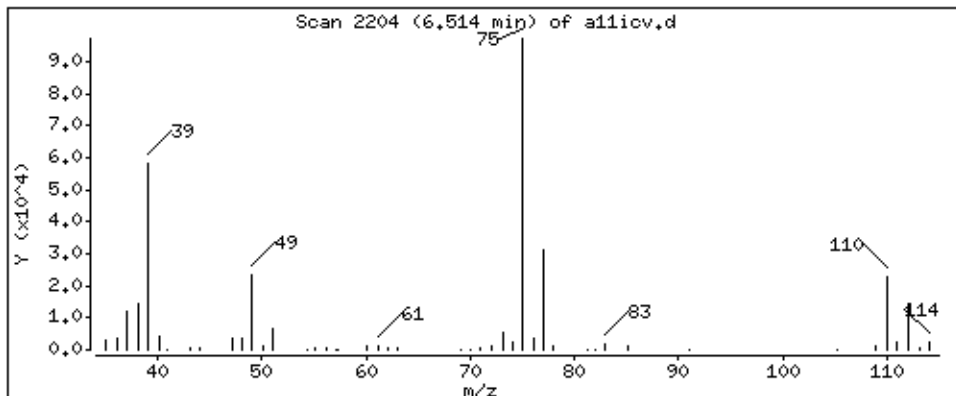
Operator: amv

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

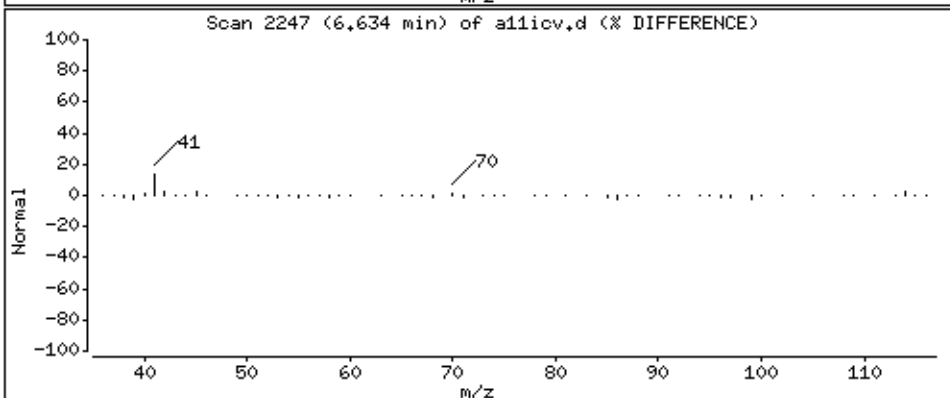
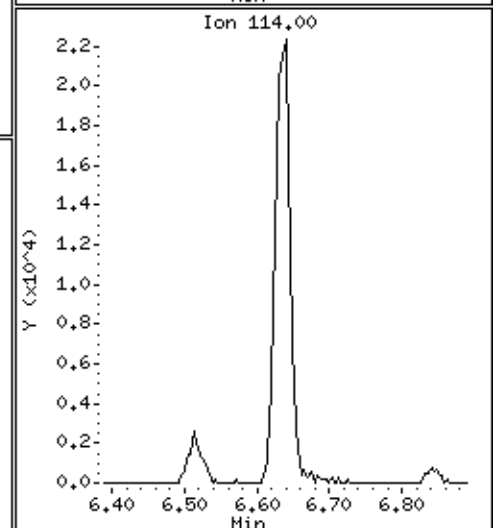
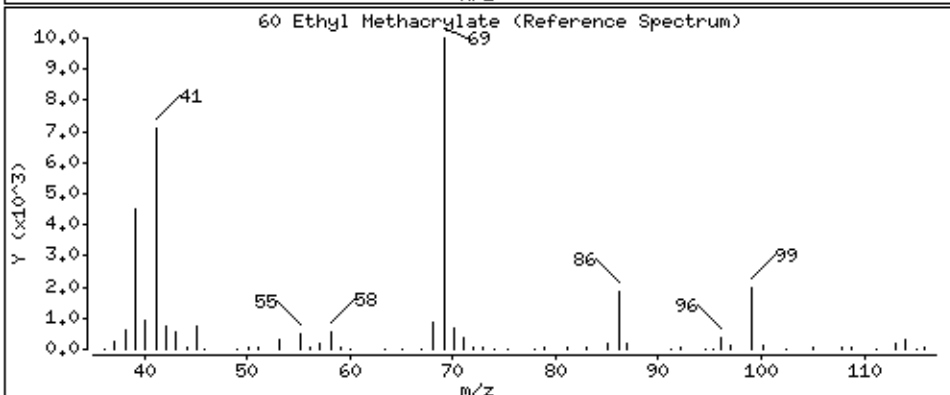
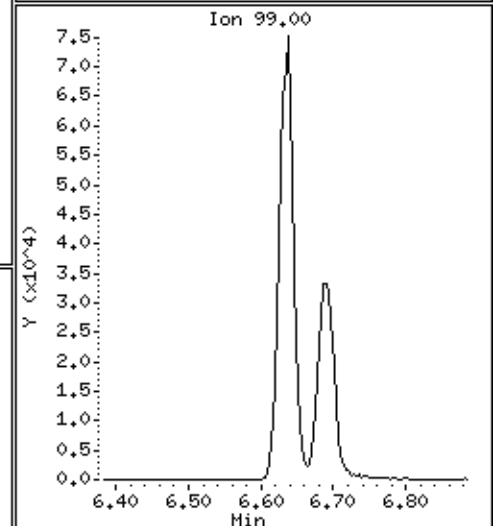
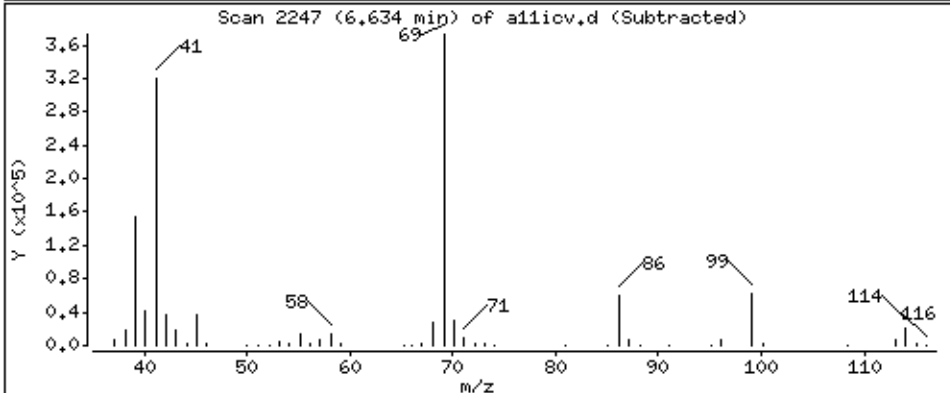
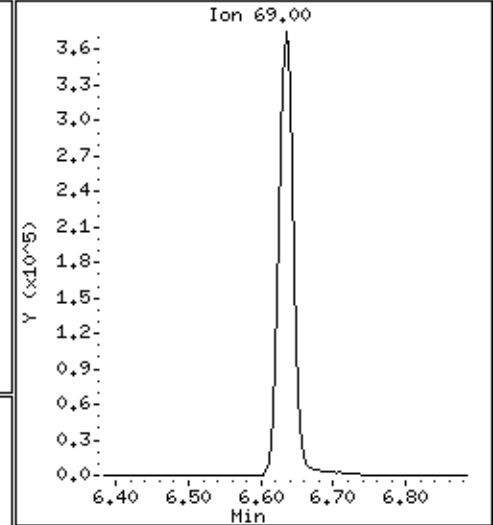
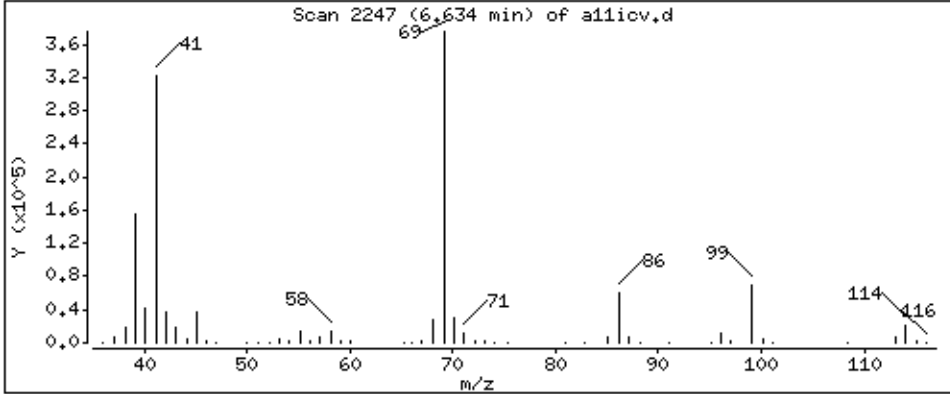
Operator: amv

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

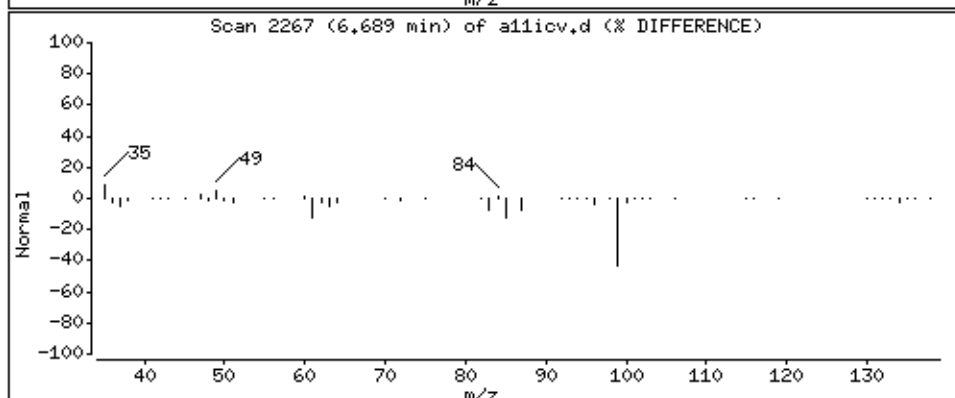
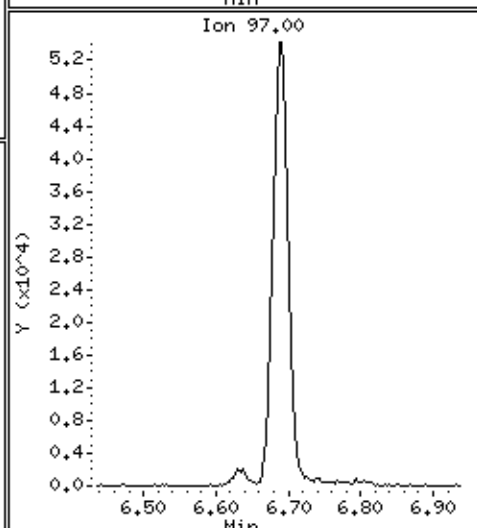
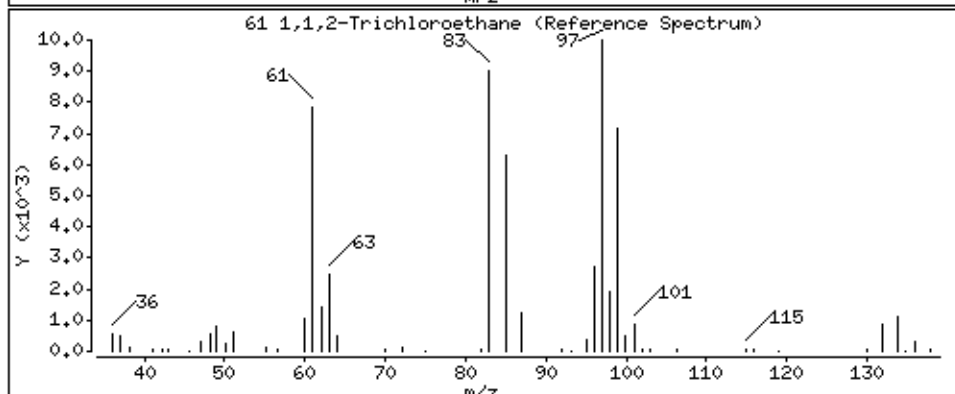
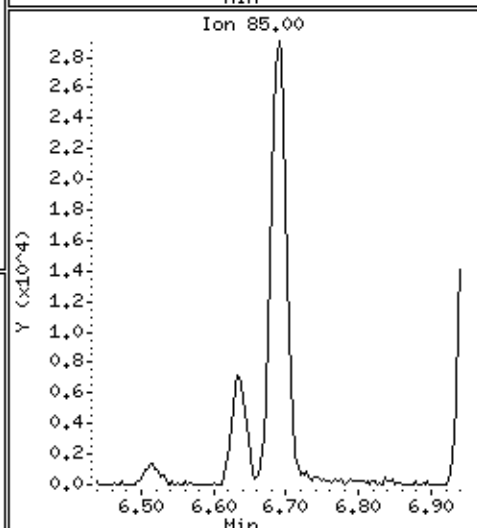
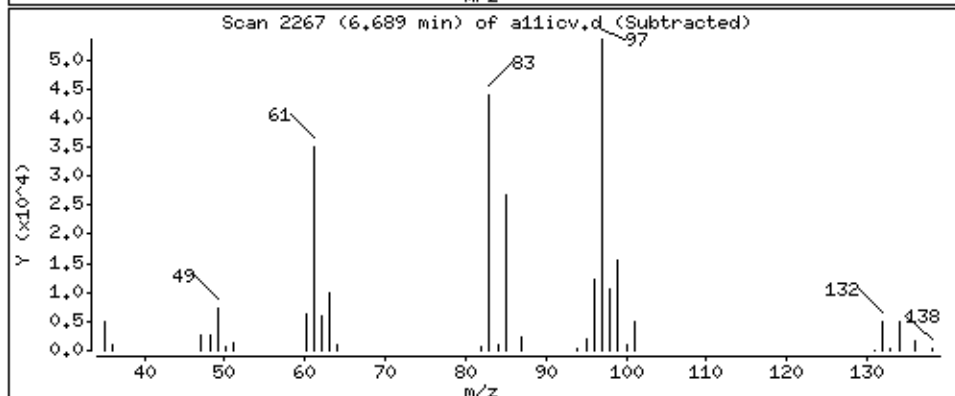
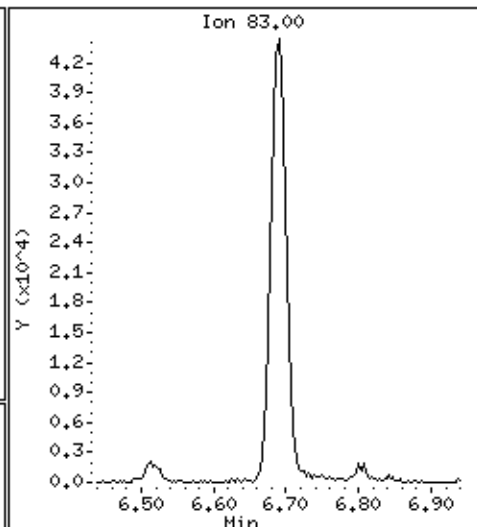
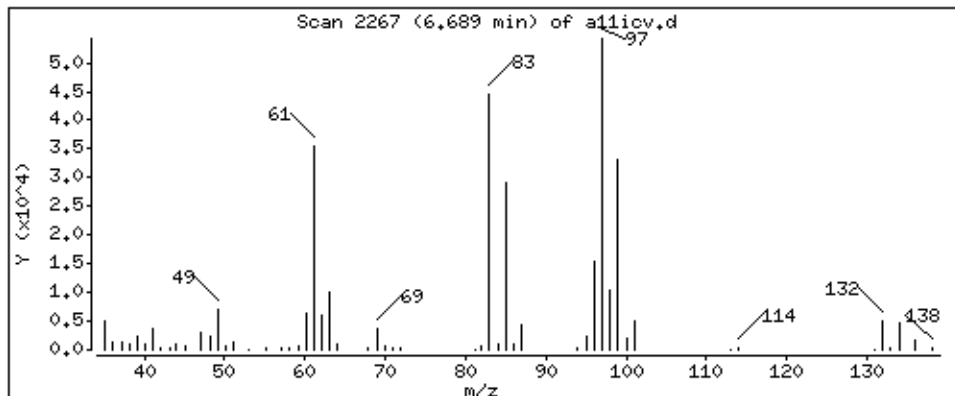
Operator: amv

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

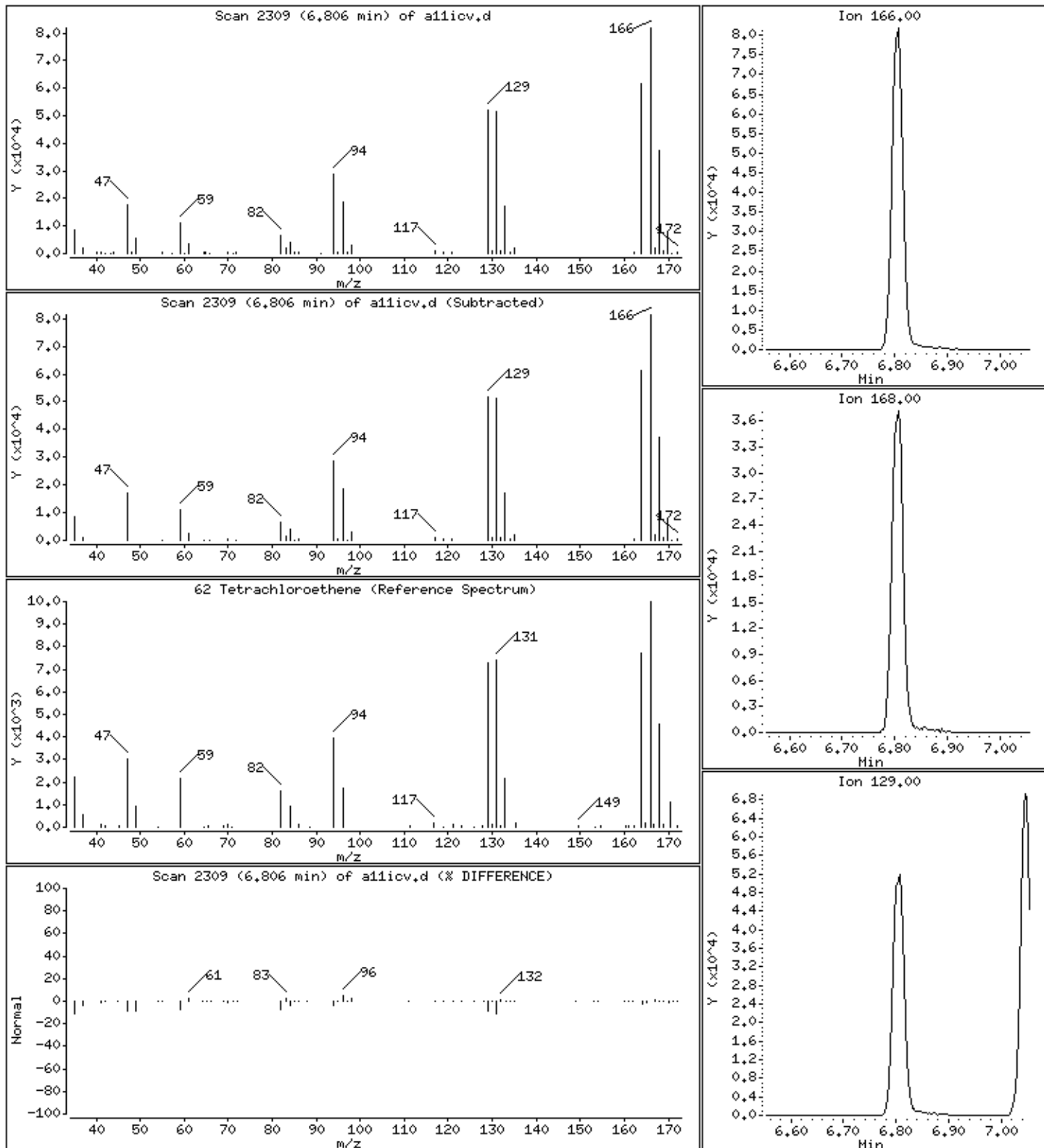
Operator: amv

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

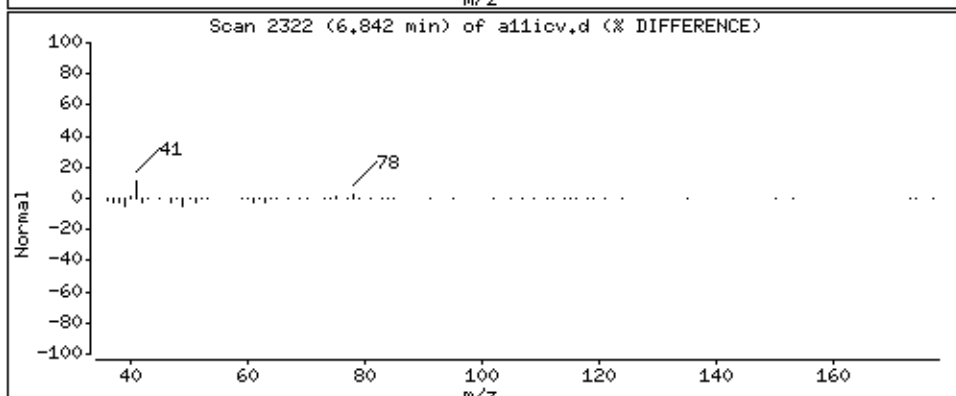
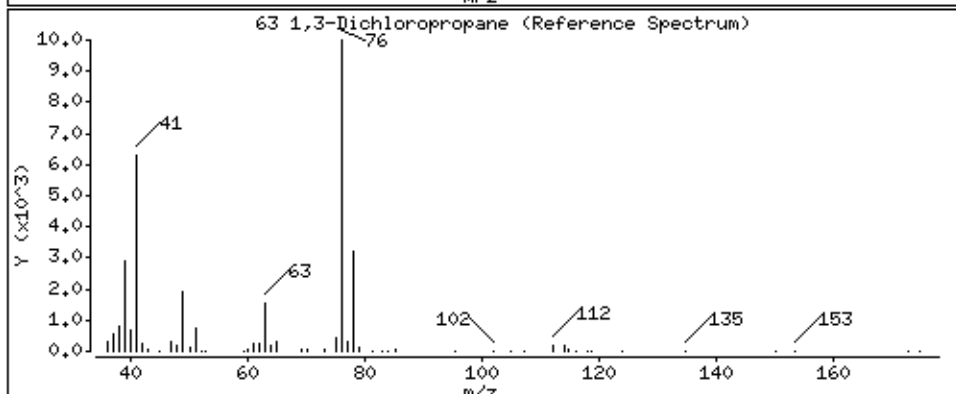
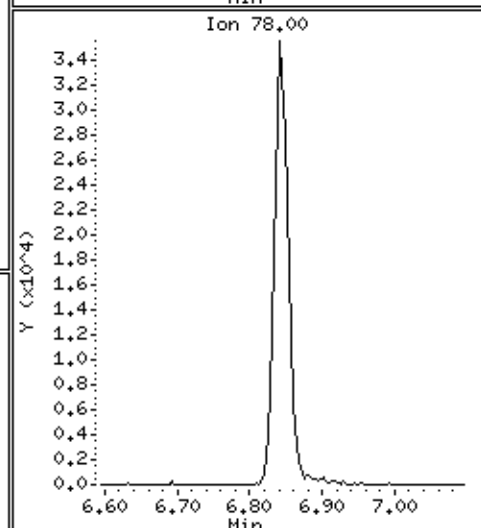
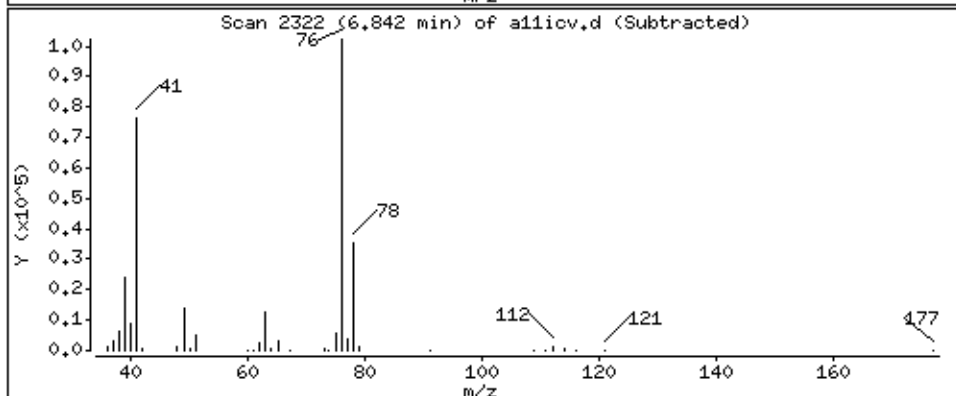
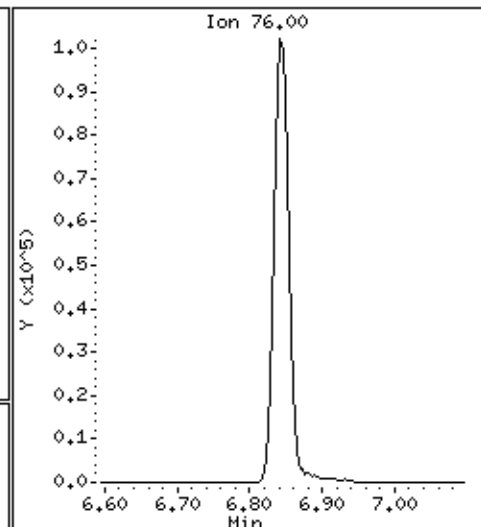
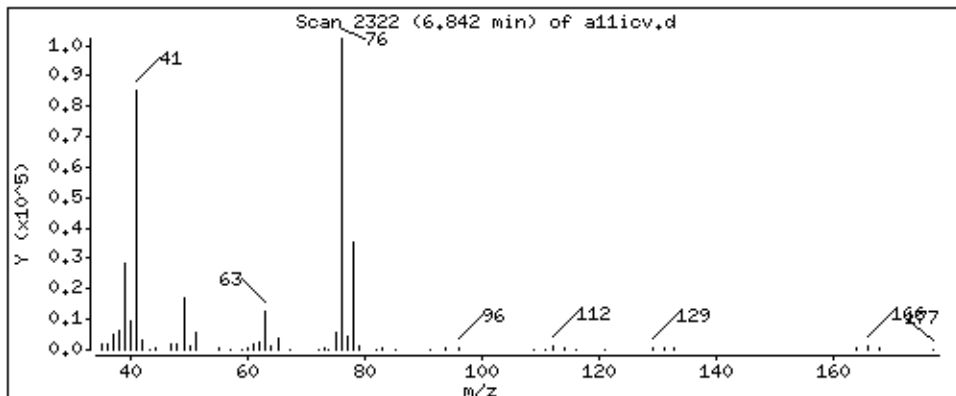
Operator: amv

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

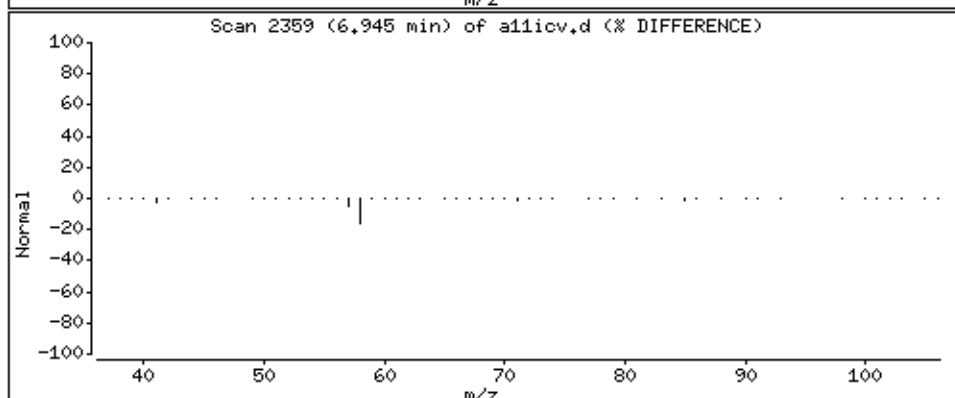
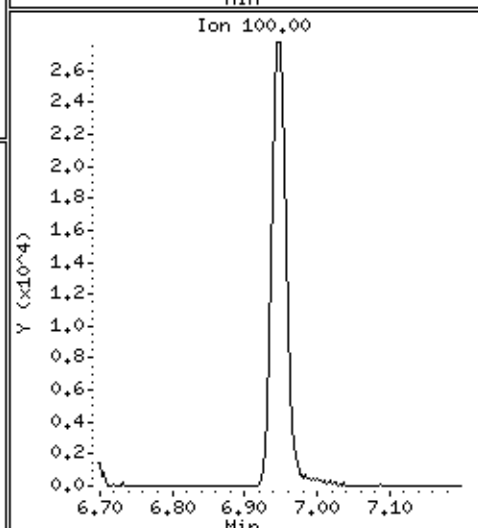
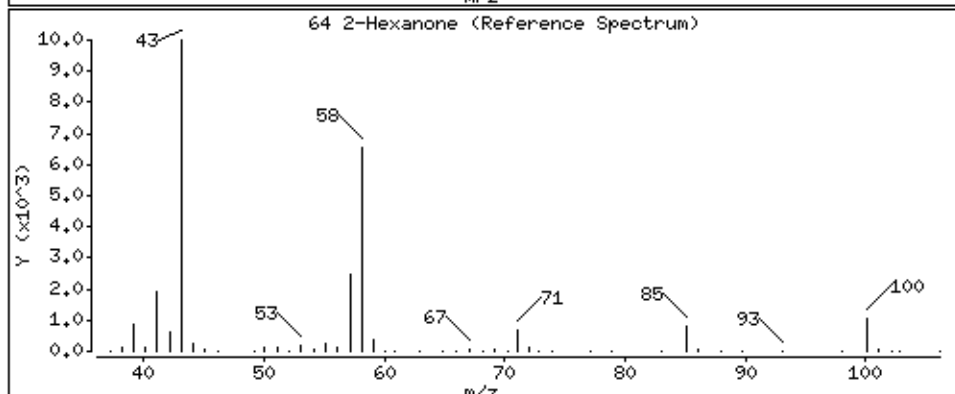
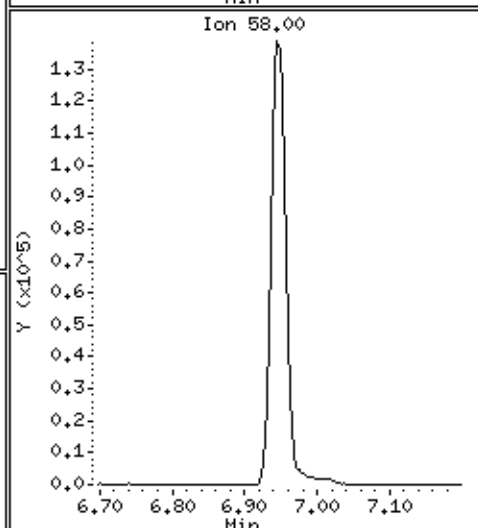
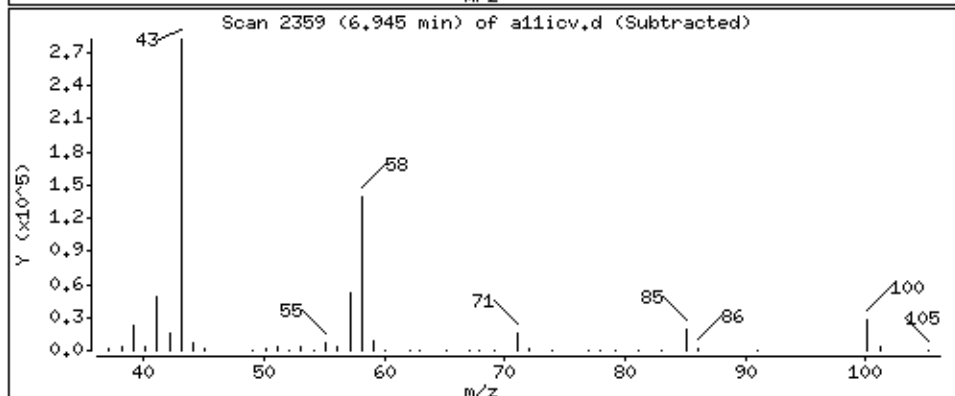
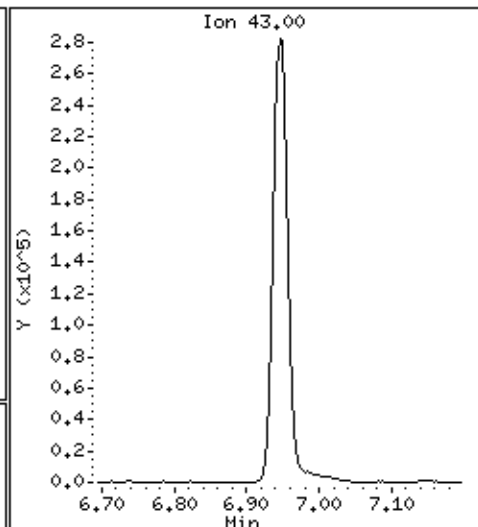
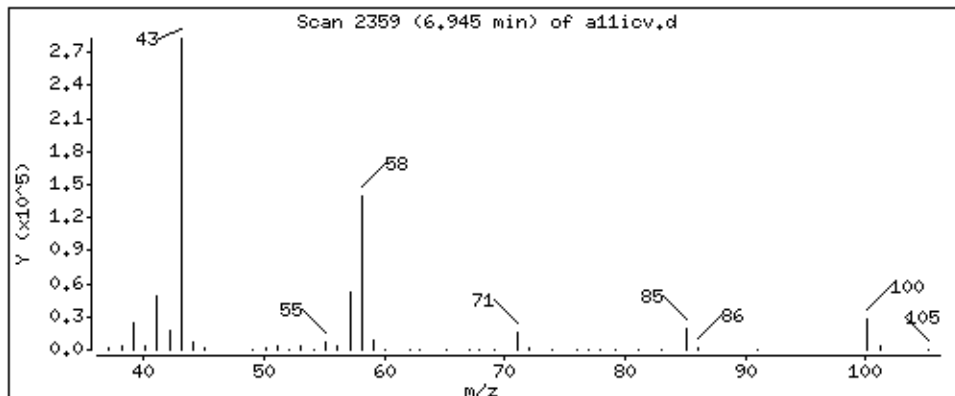
Operator: amv

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

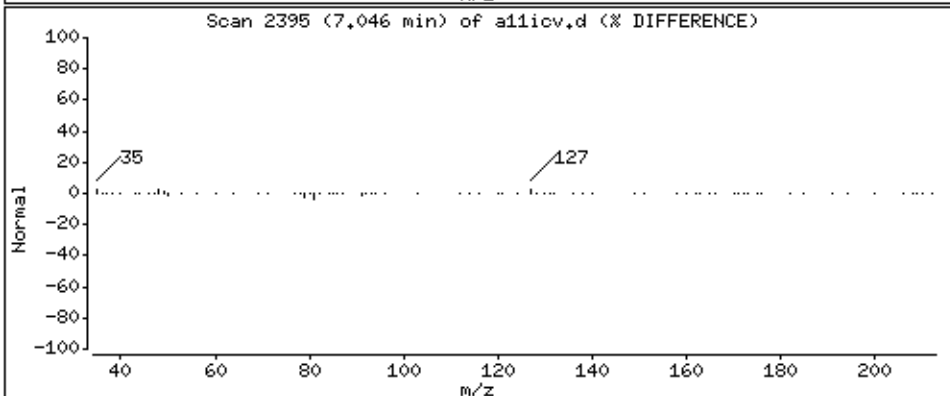
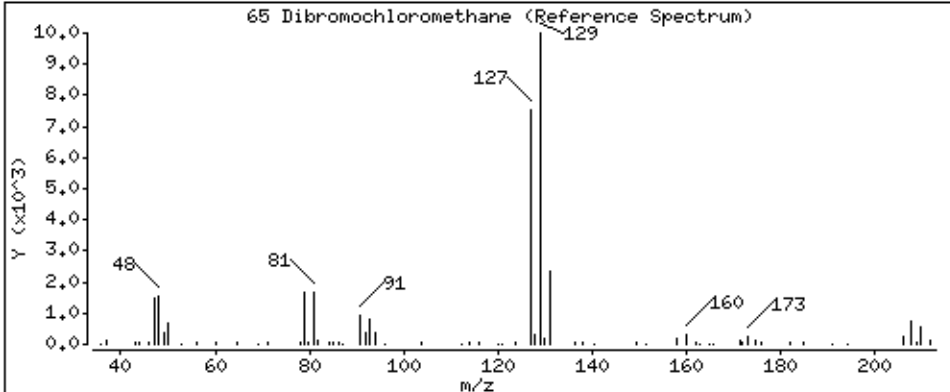
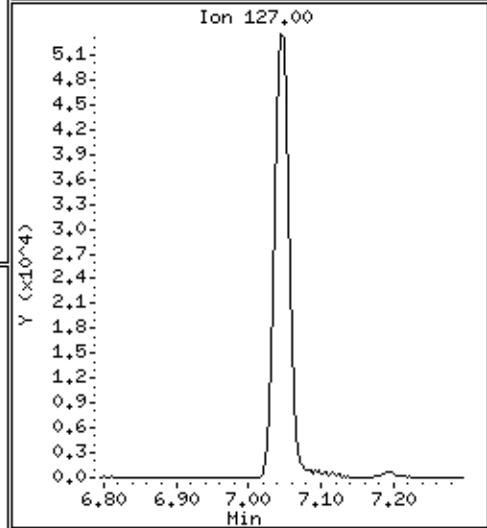
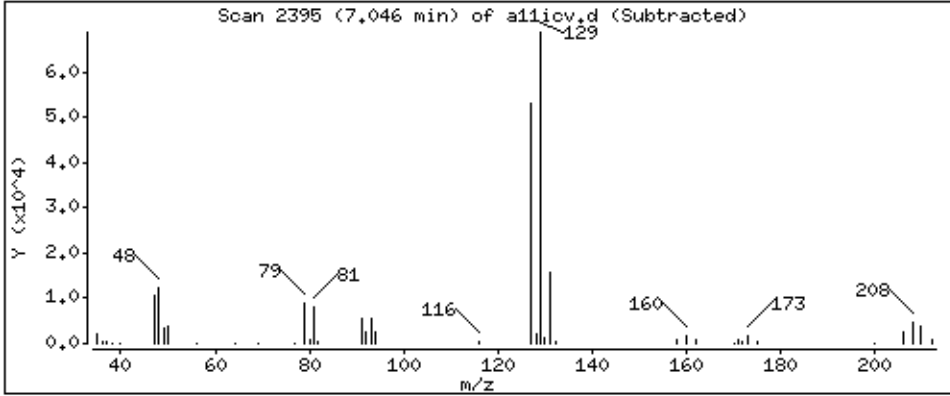
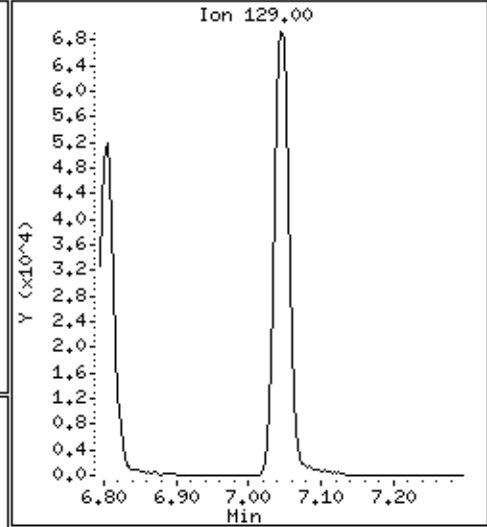
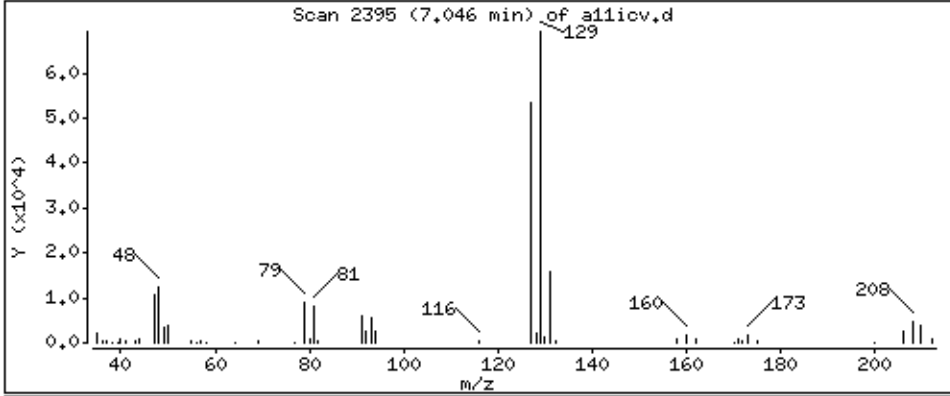
Operator: amv

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

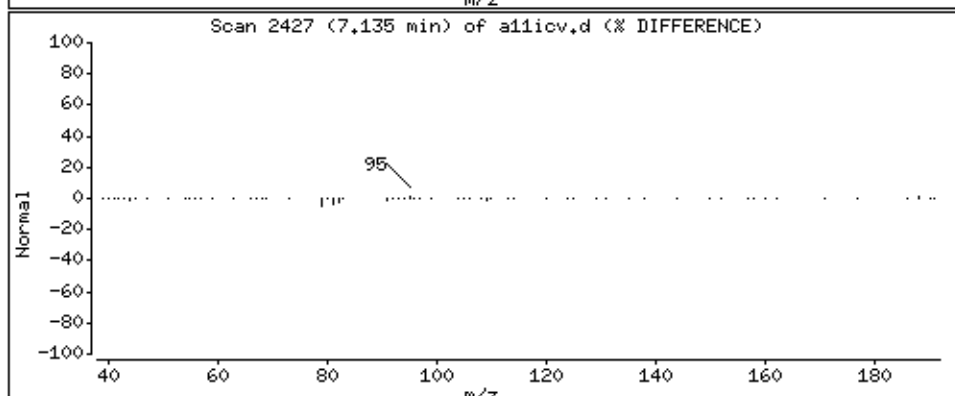
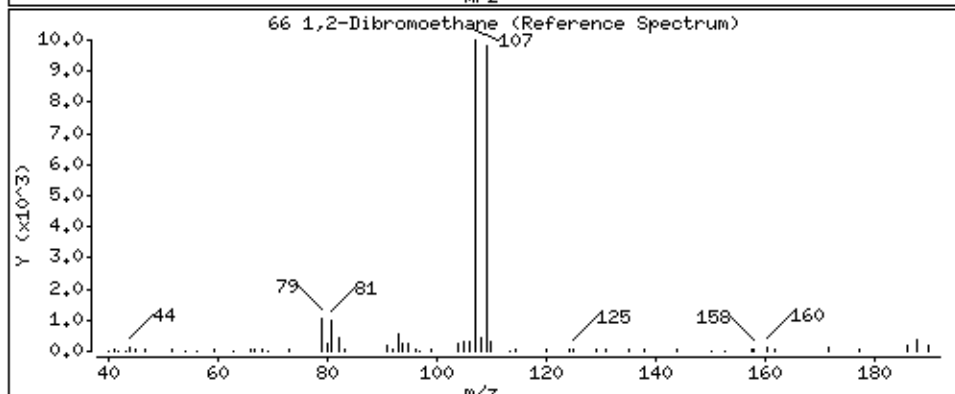
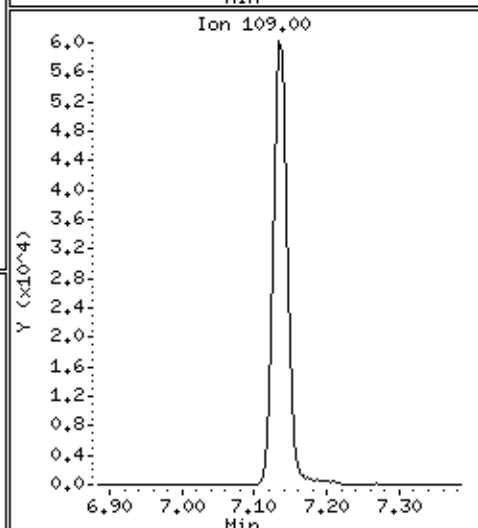
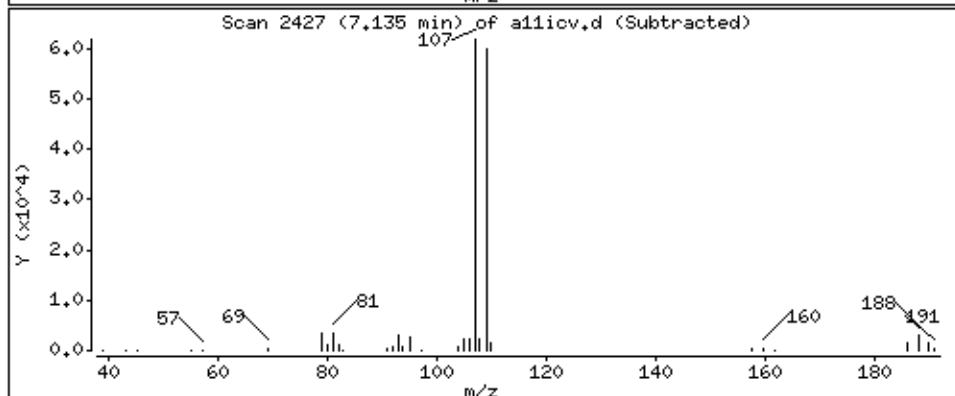
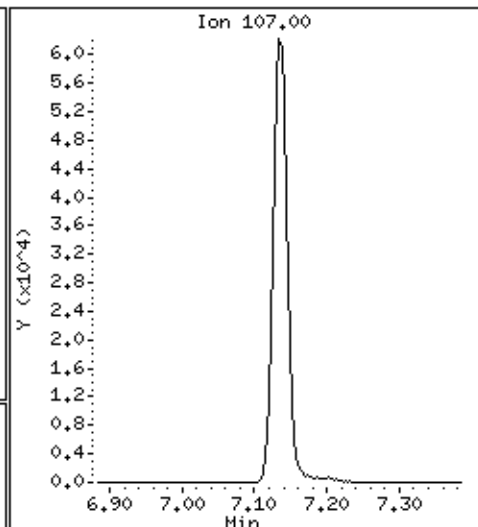
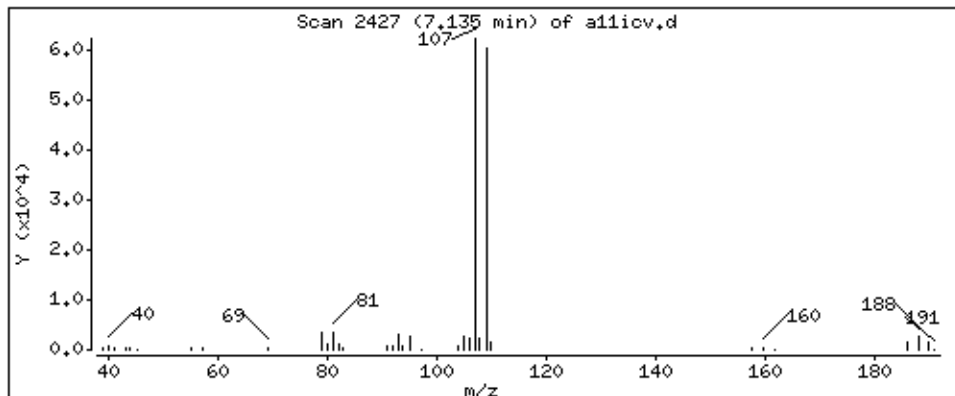
Operator: amv

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

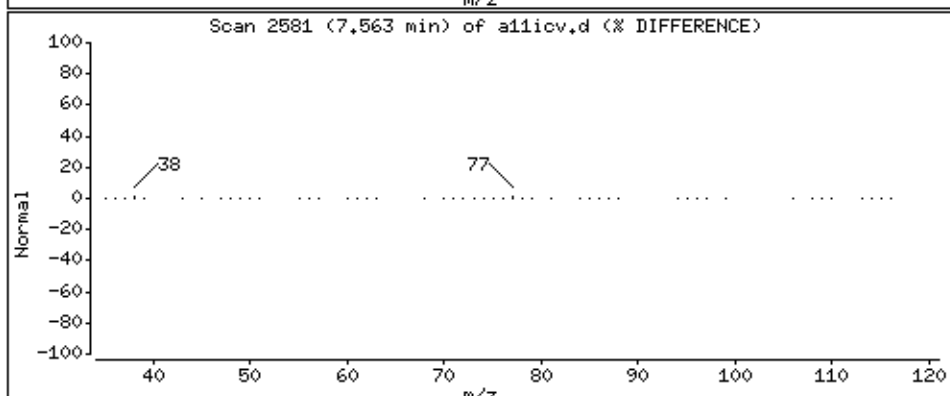
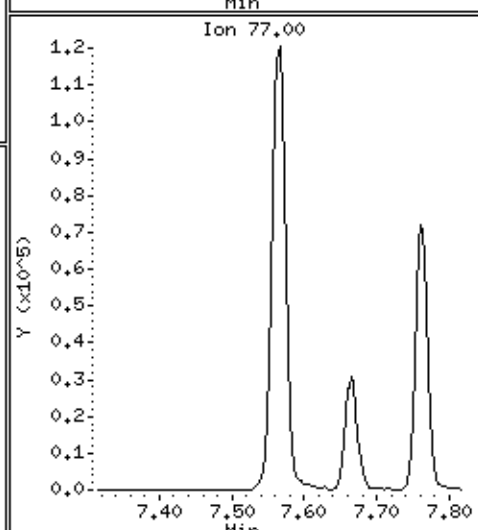
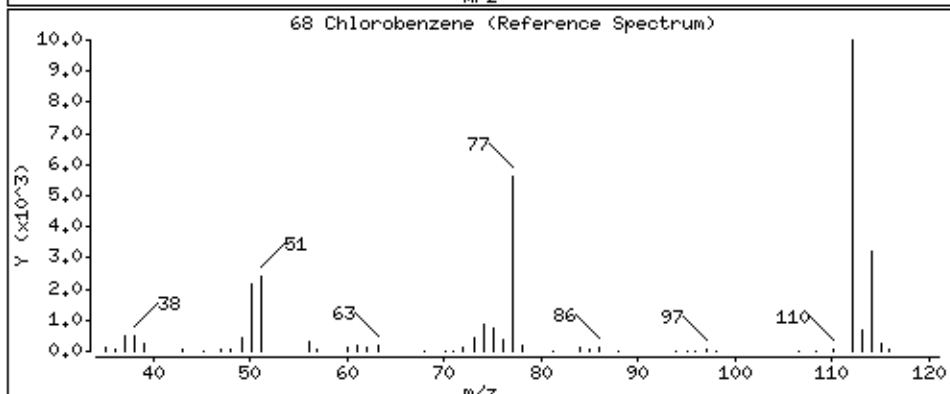
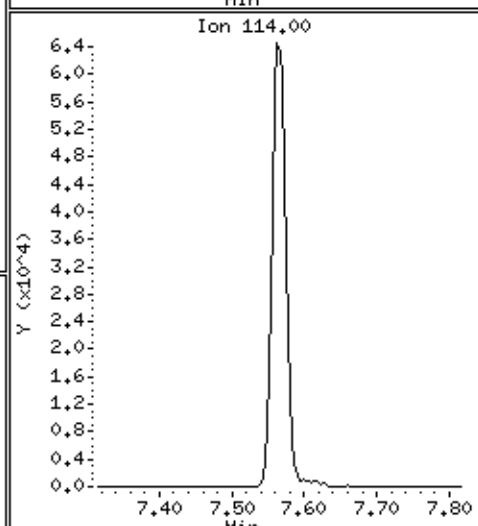
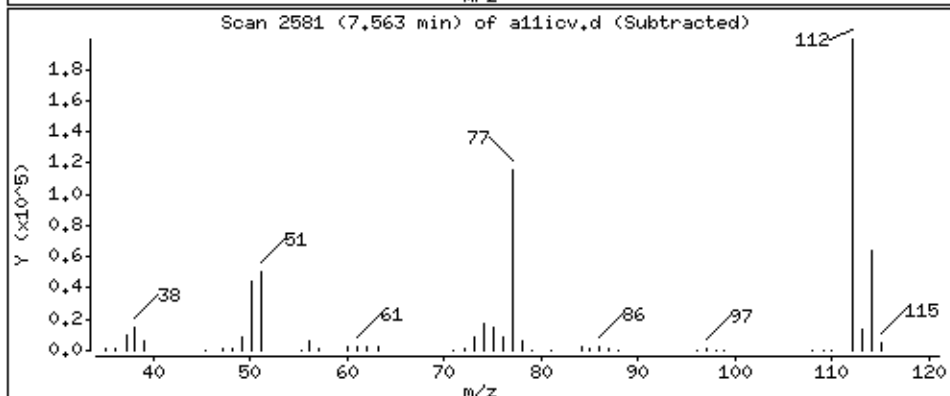
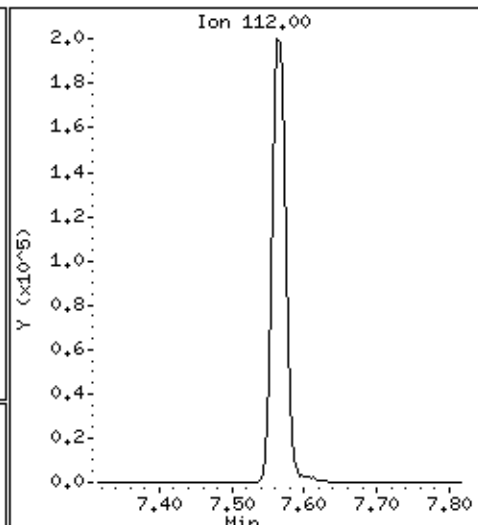
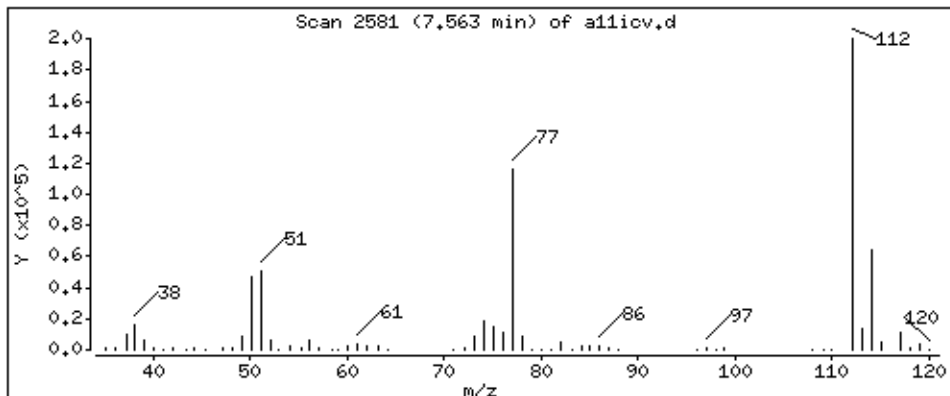
Operator: amv

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

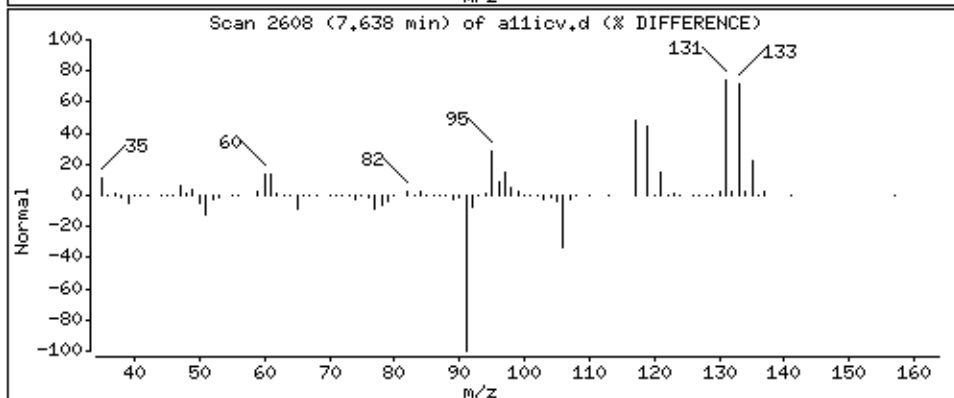
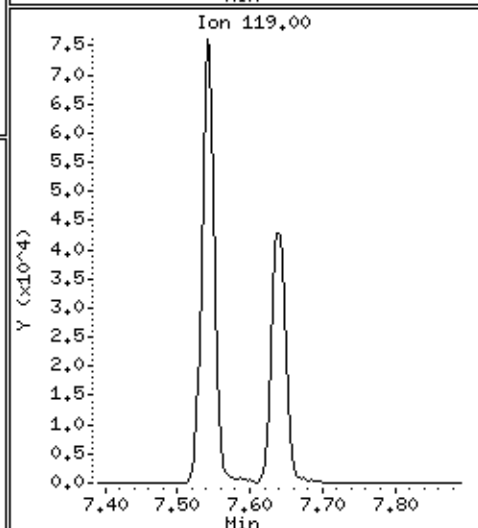
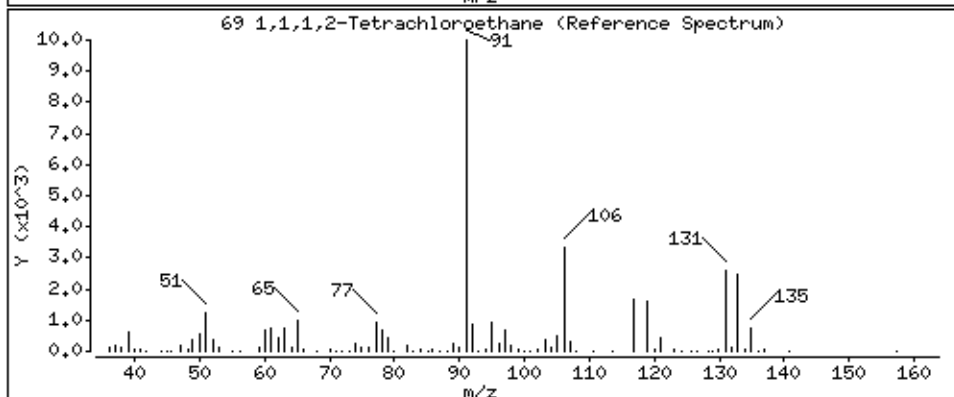
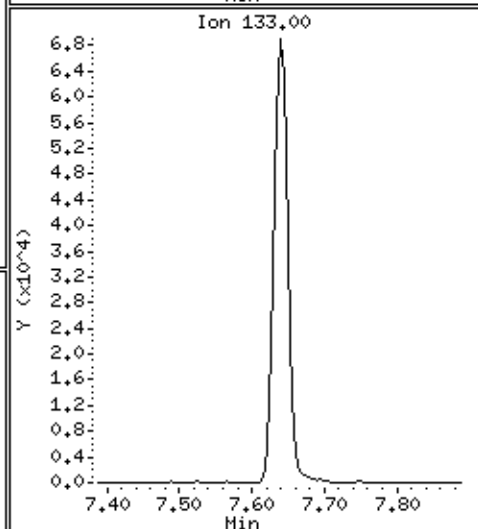
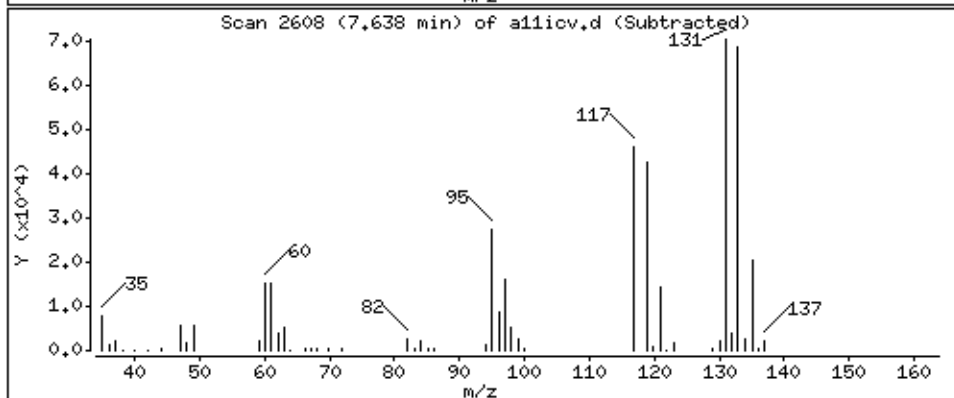
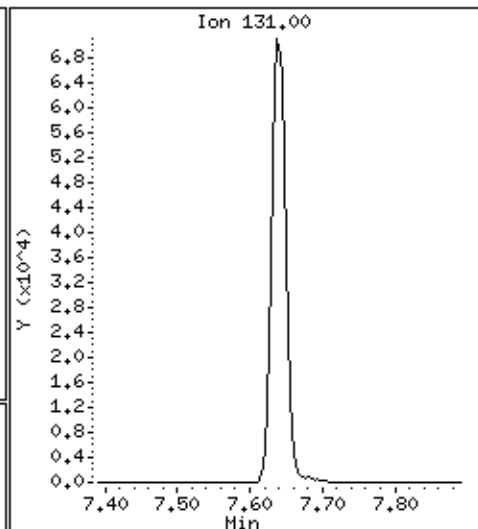
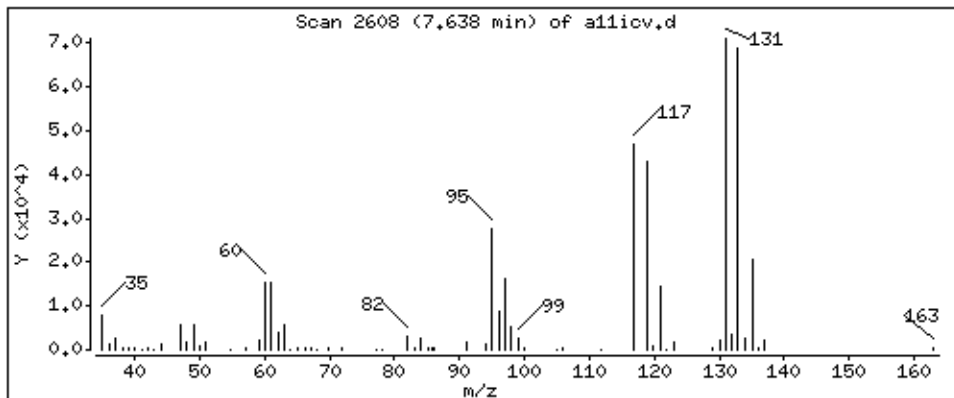
Operator: amv

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

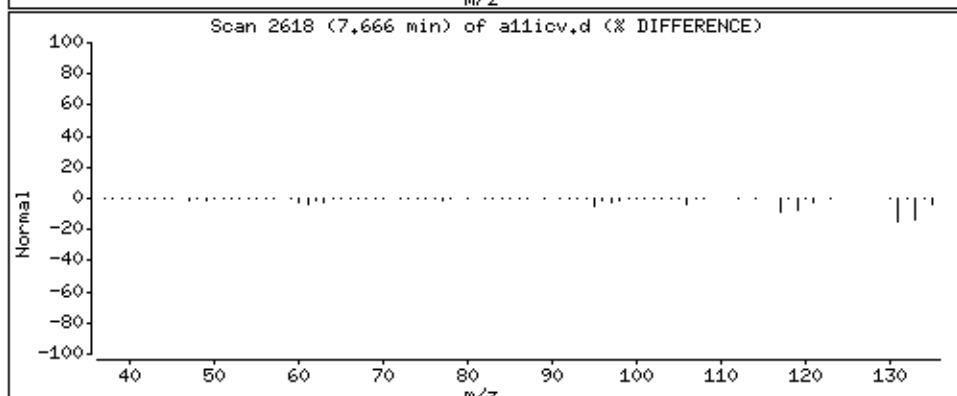
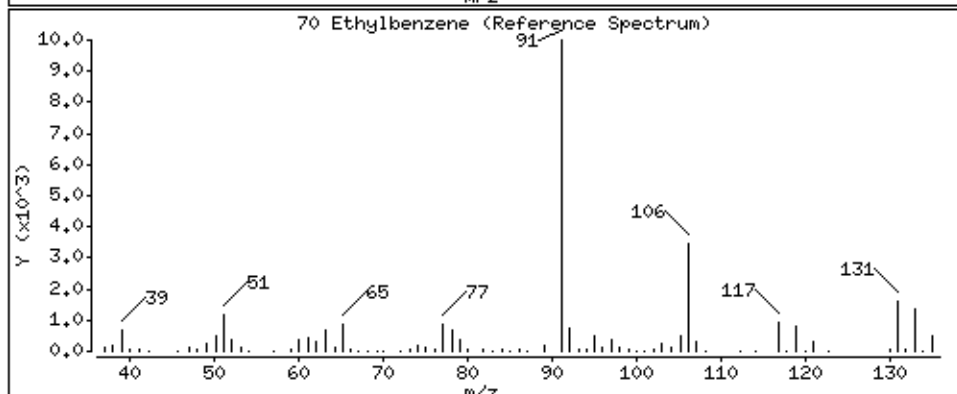
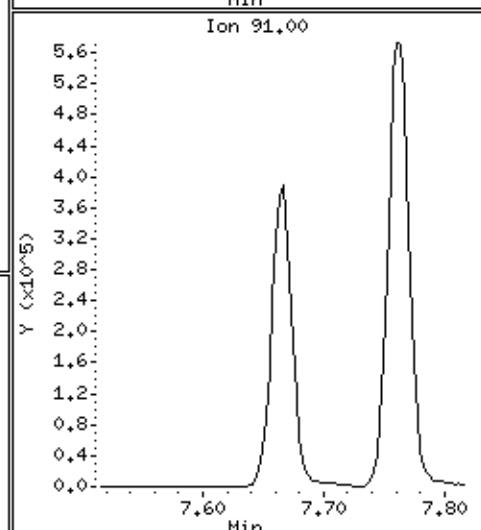
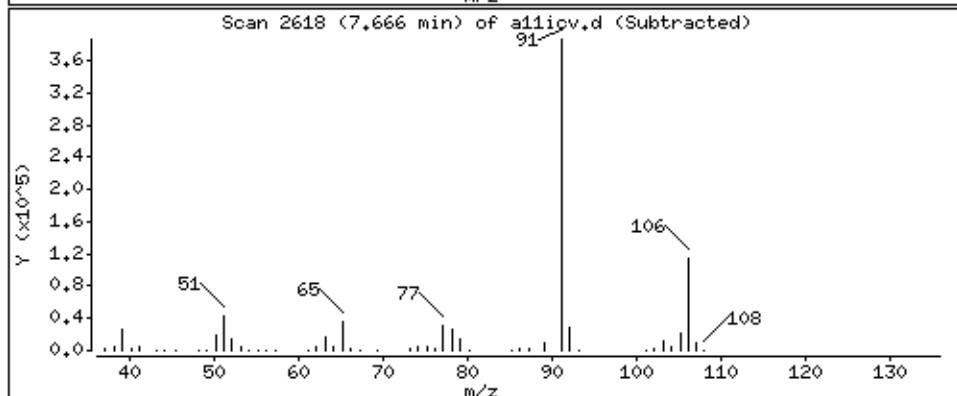
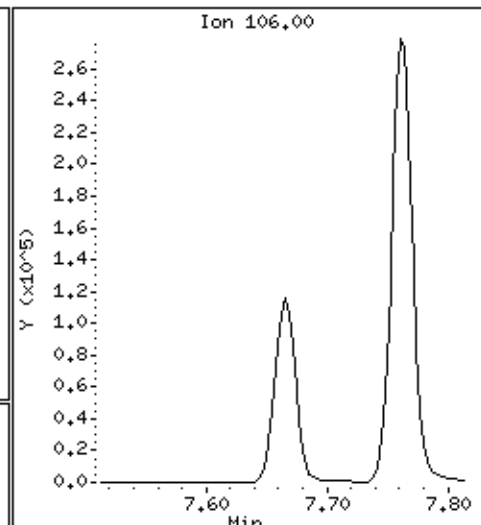
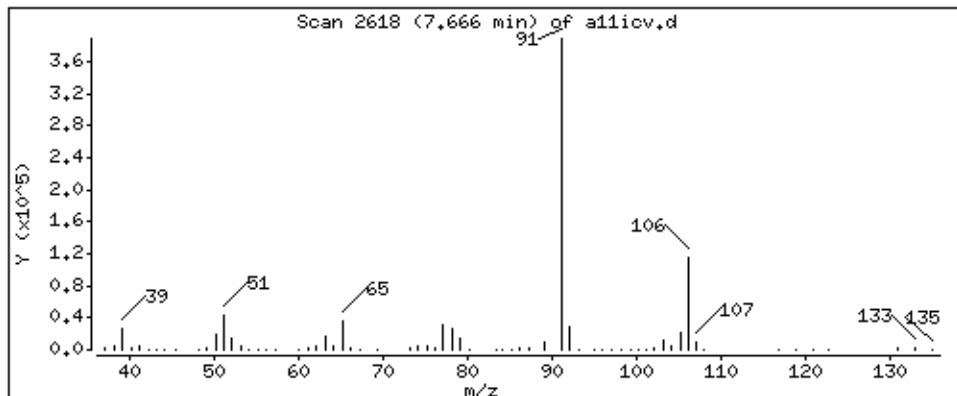
Operator: amv

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

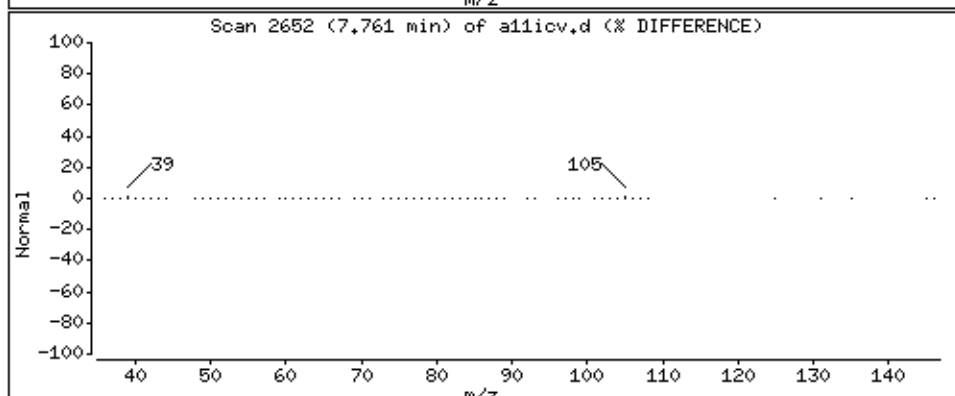
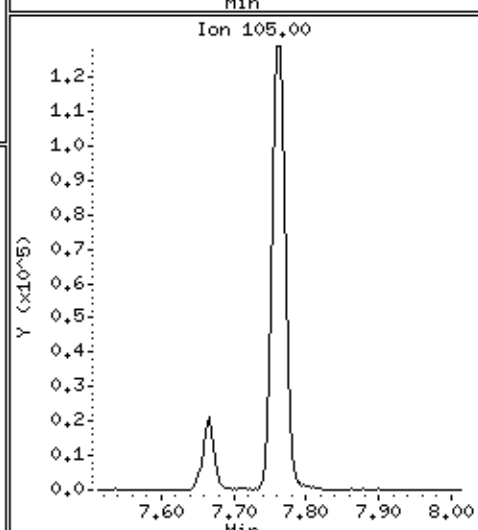
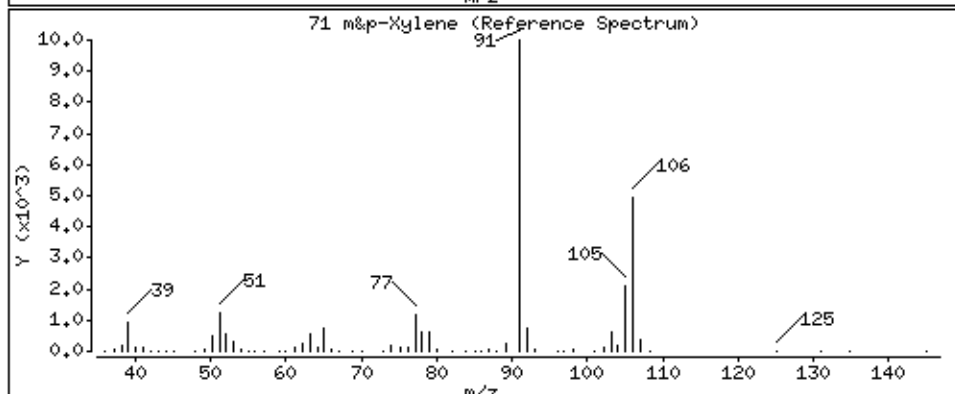
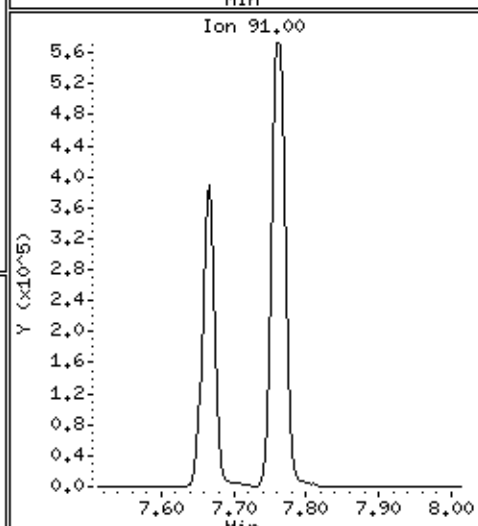
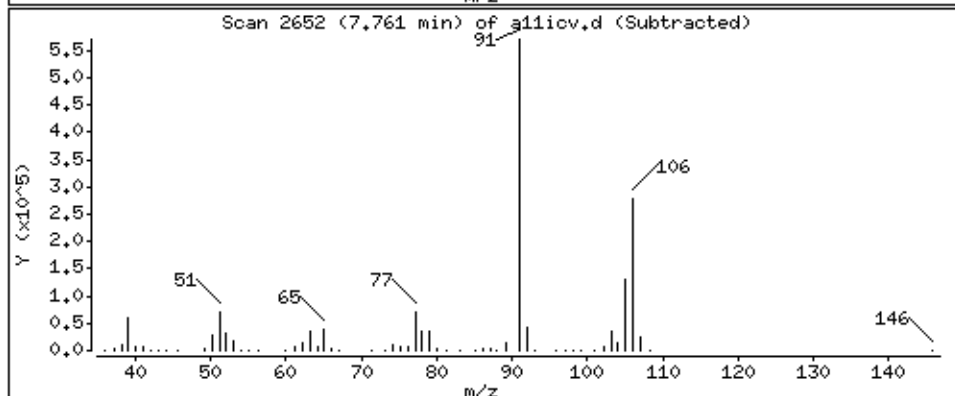
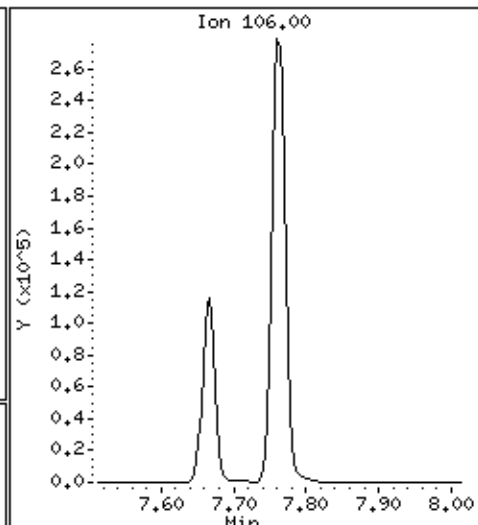
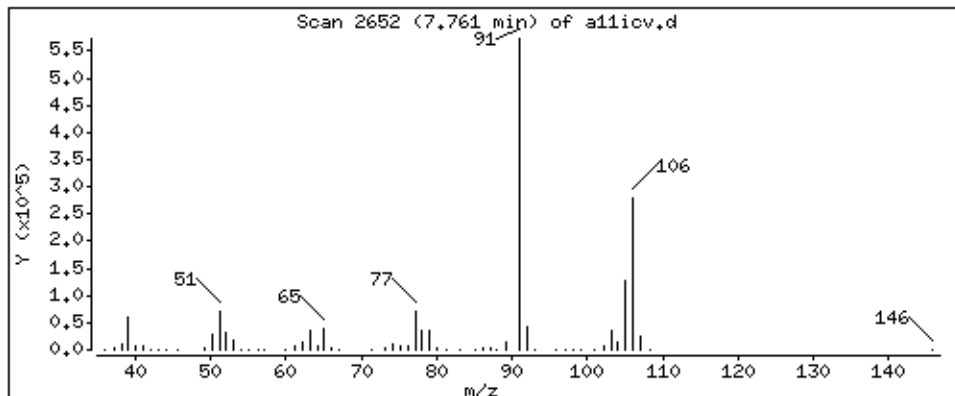
Operator: amv

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

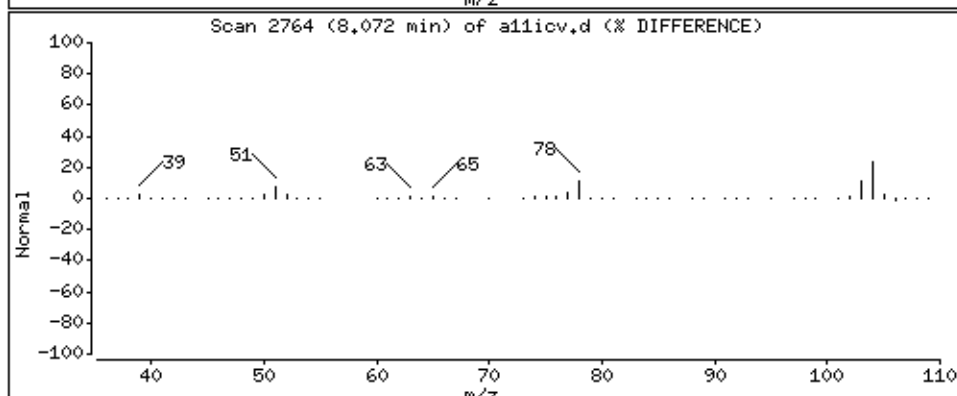
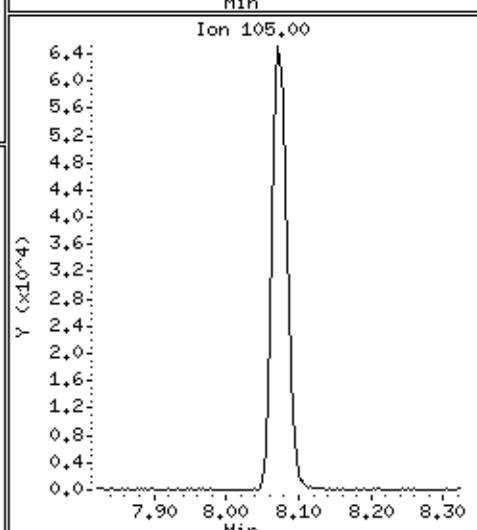
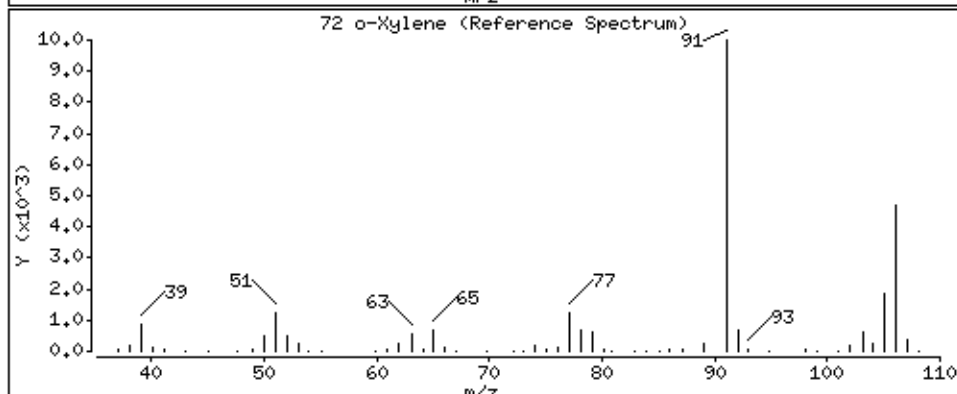
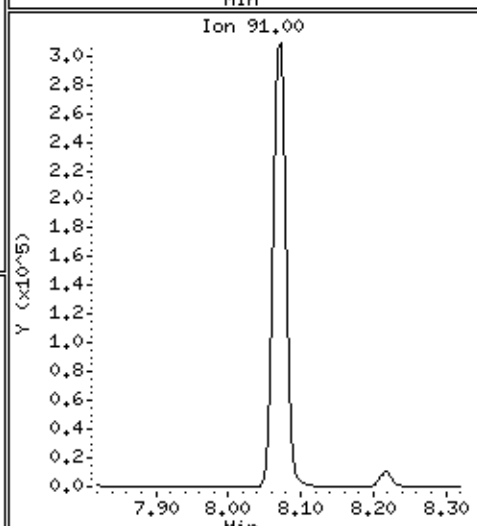
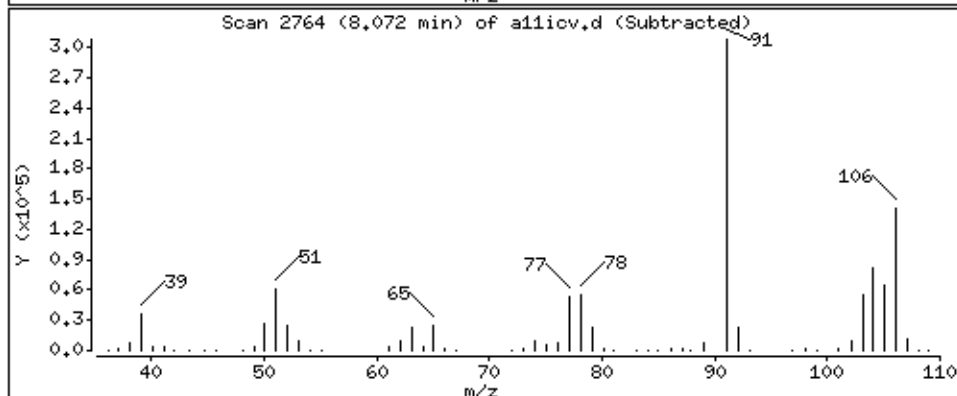
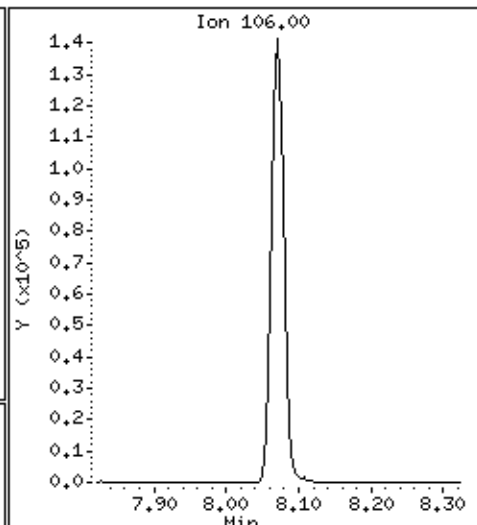
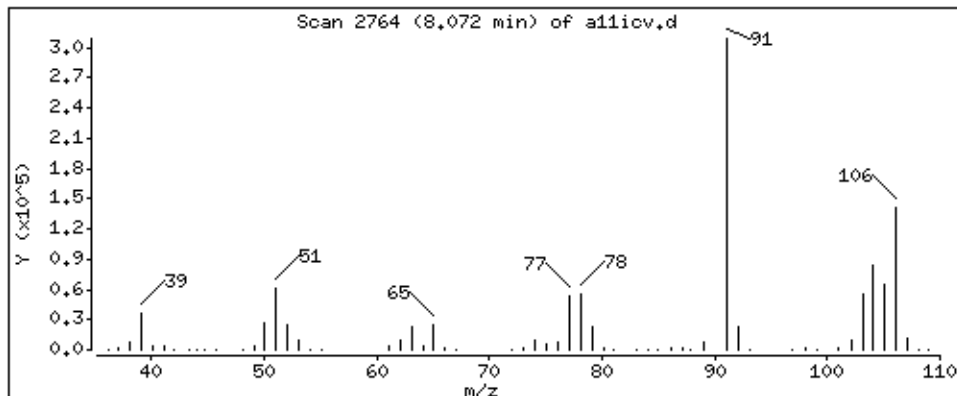
Operator: amv

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

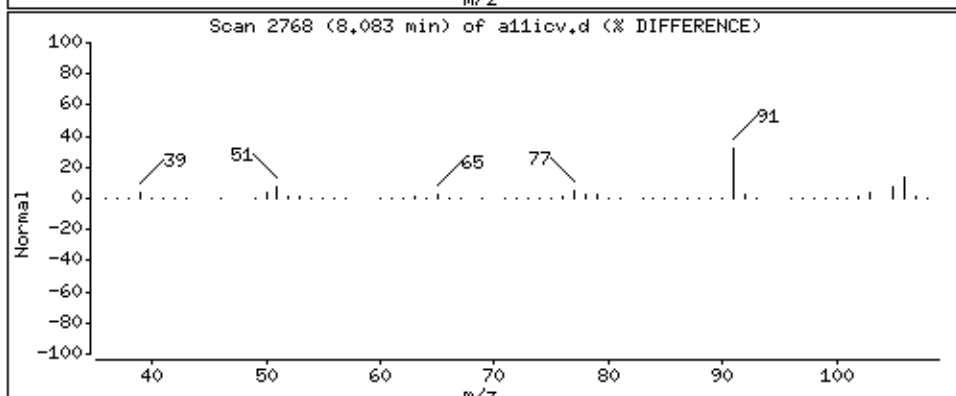
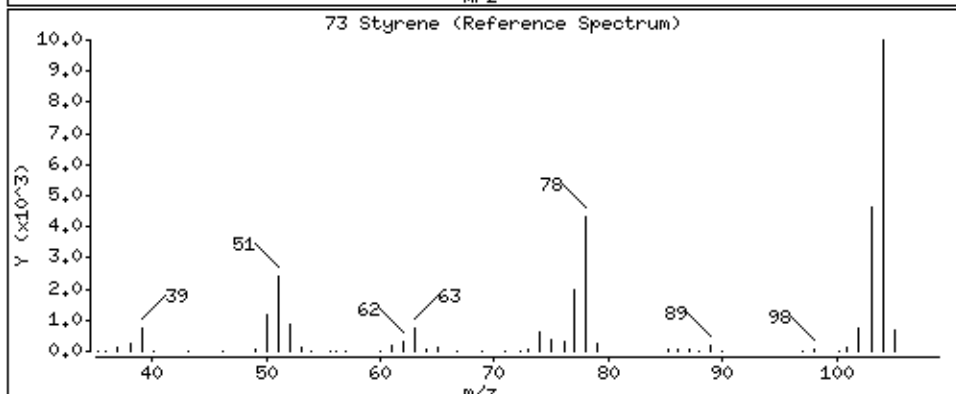
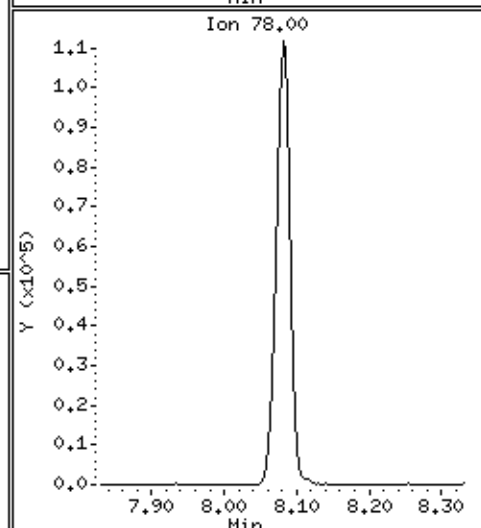
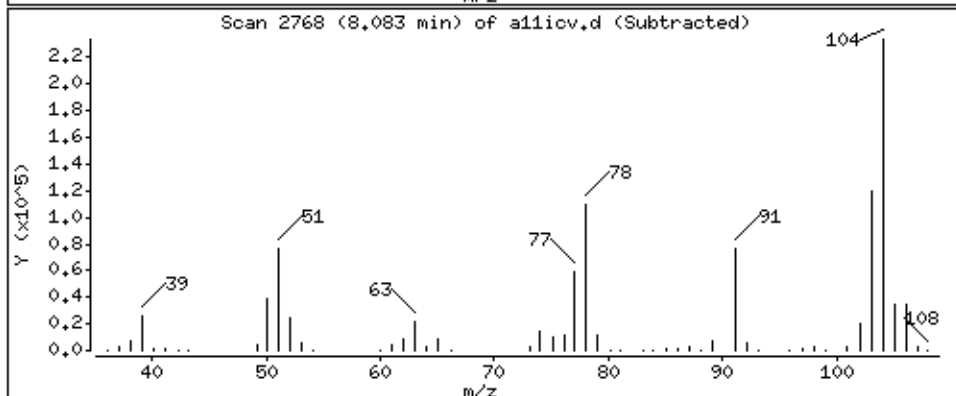
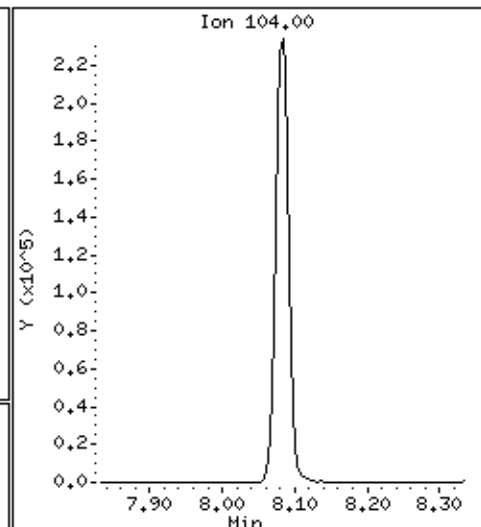
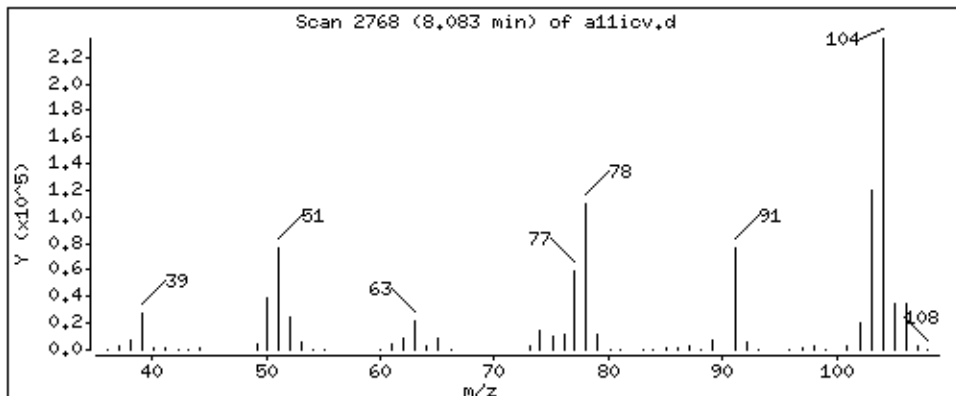
Operator: amv

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

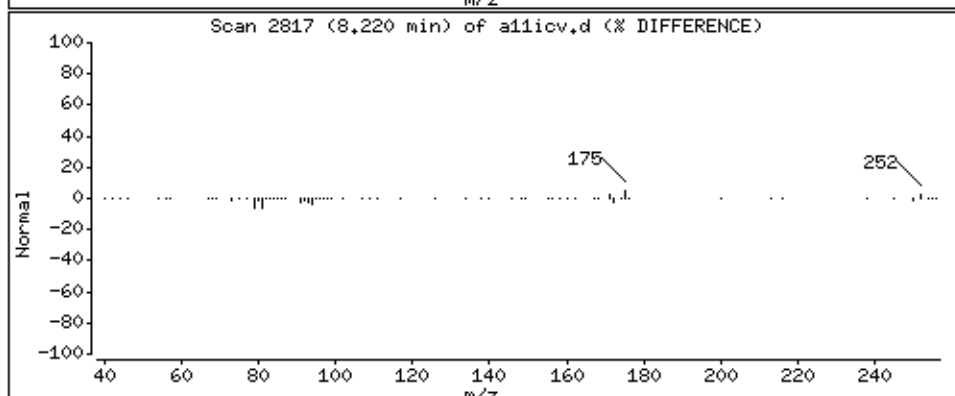
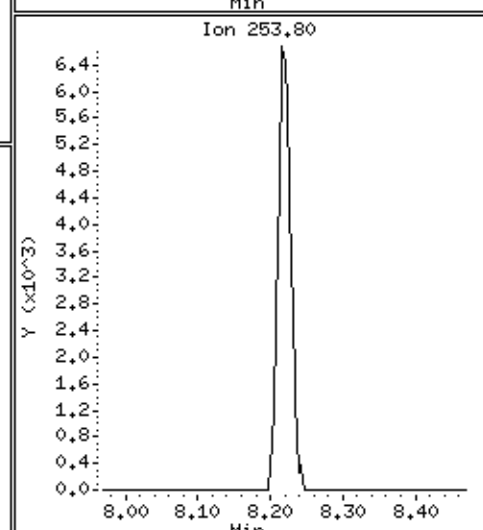
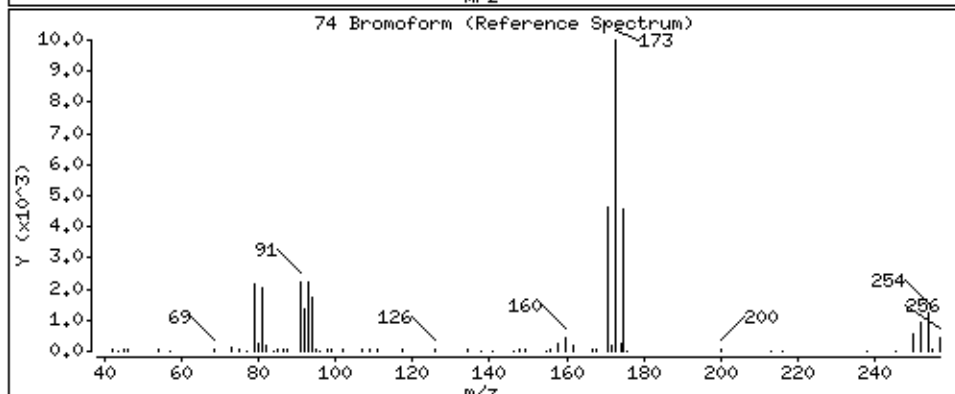
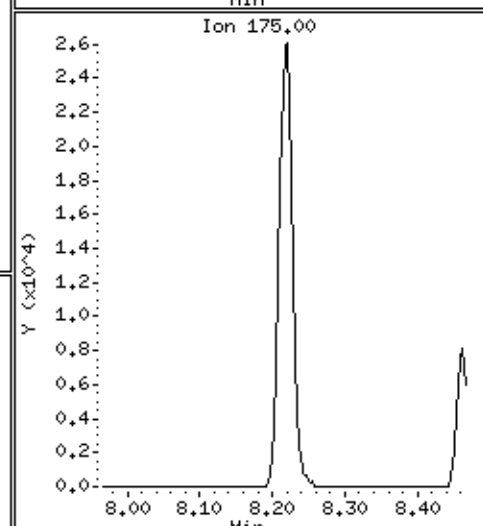
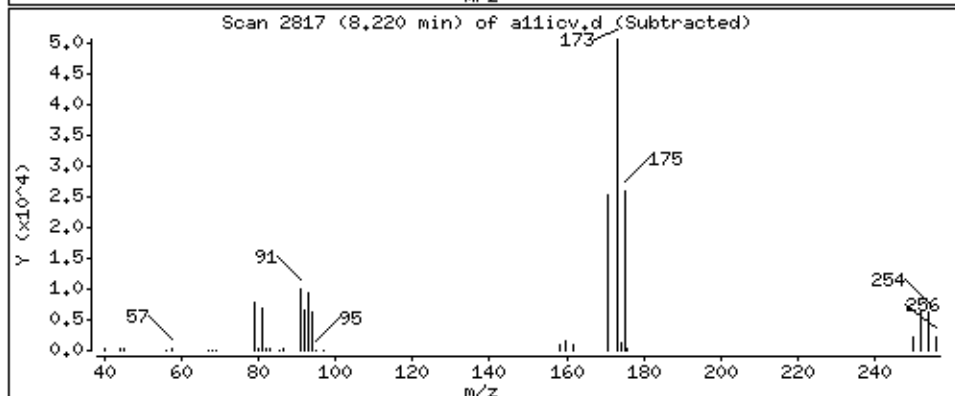
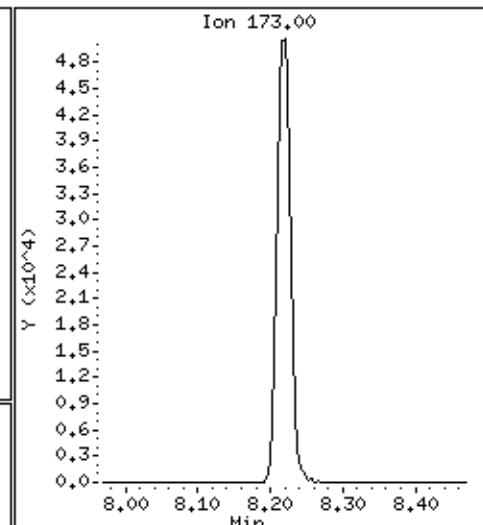
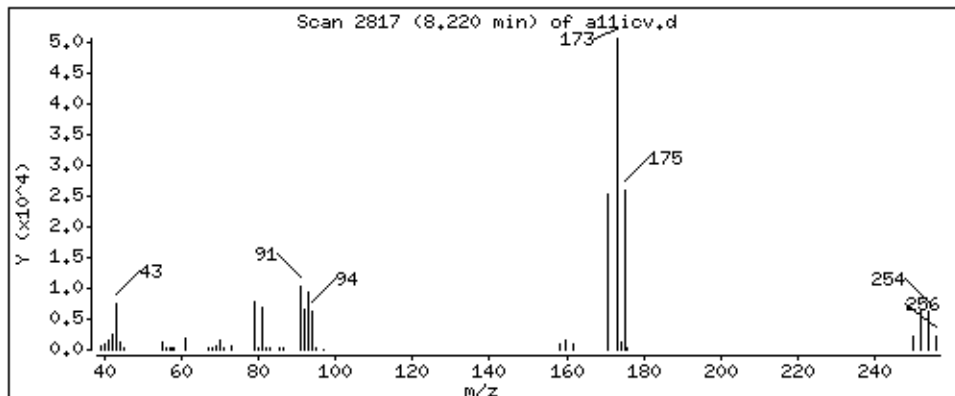
Operator: amv

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

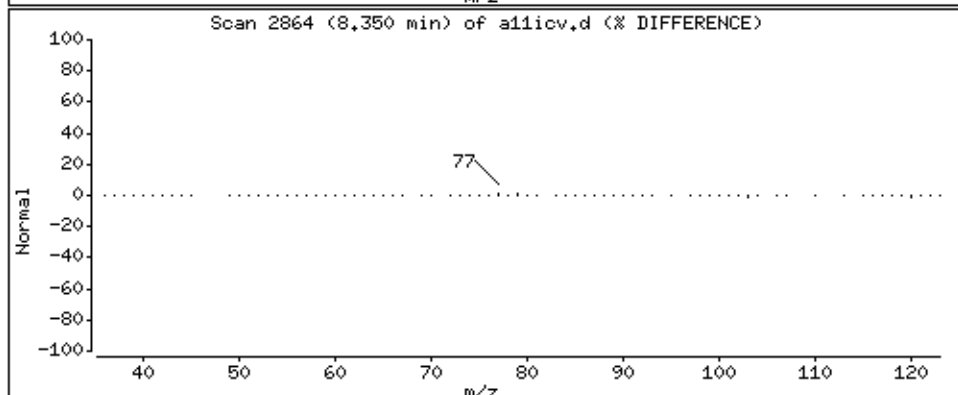
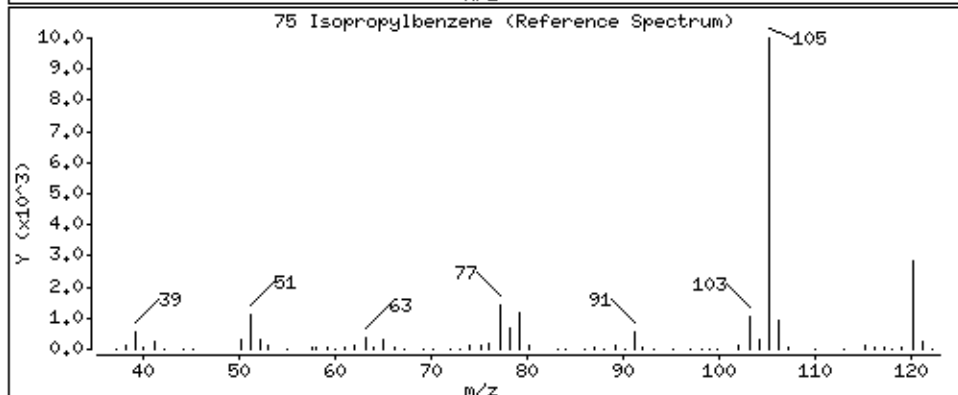
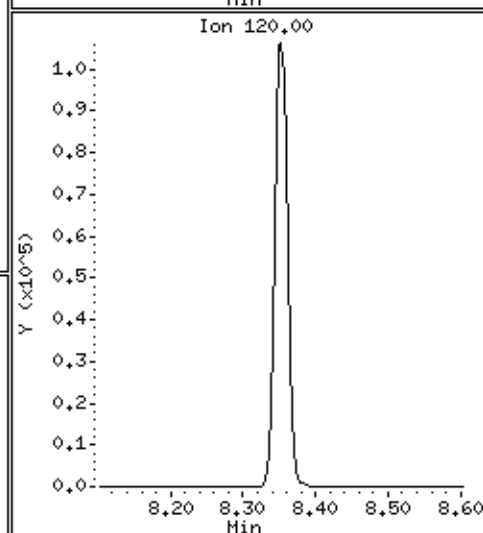
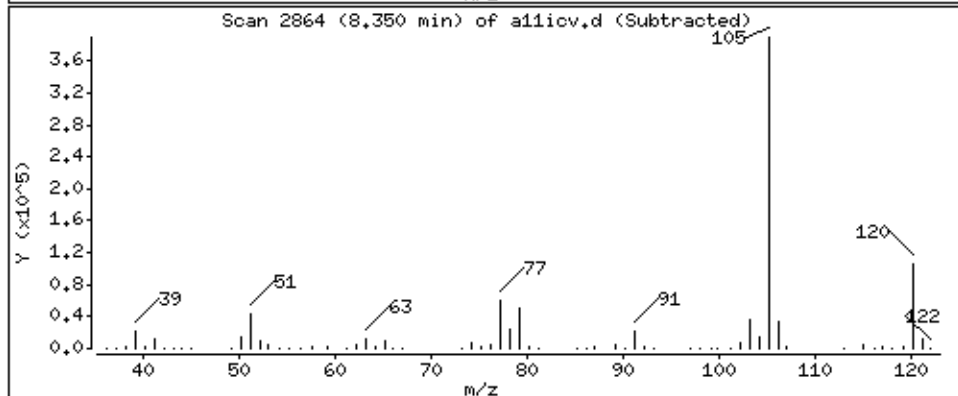
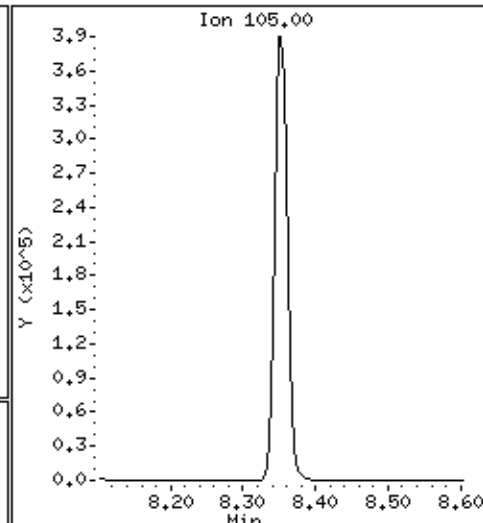
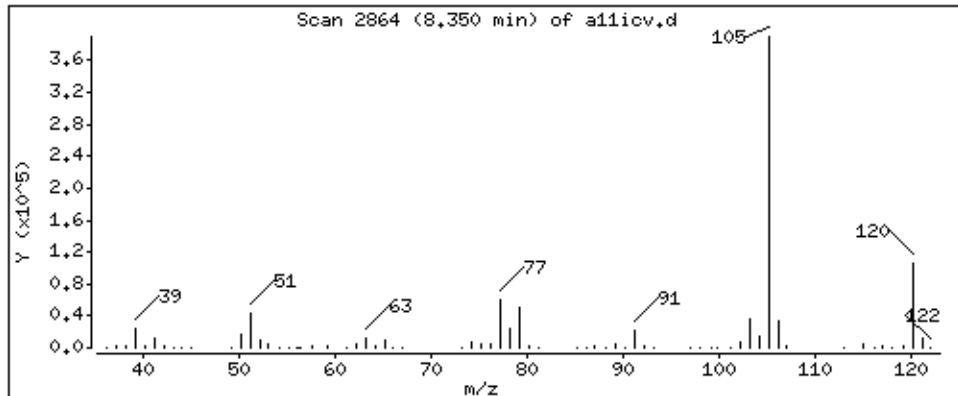
Operator: amv

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: 50mw2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

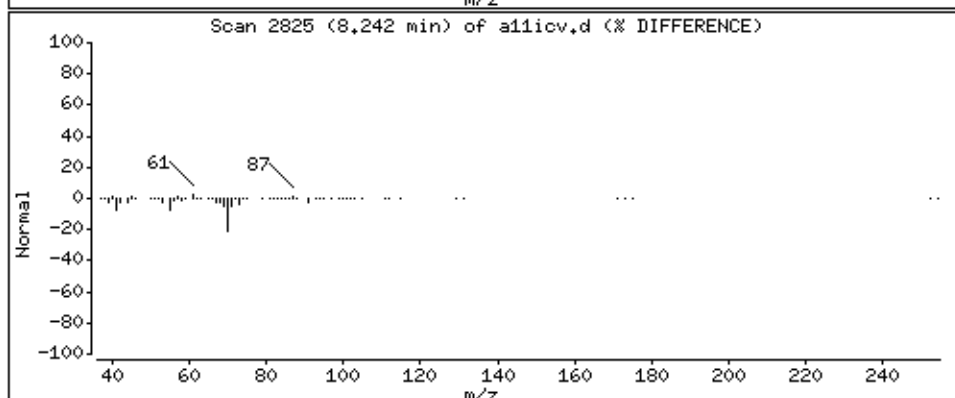
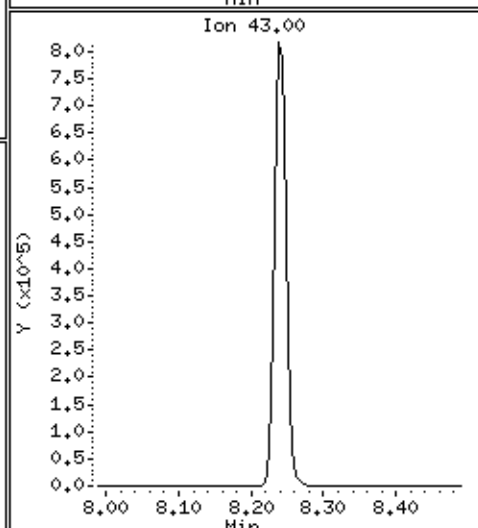
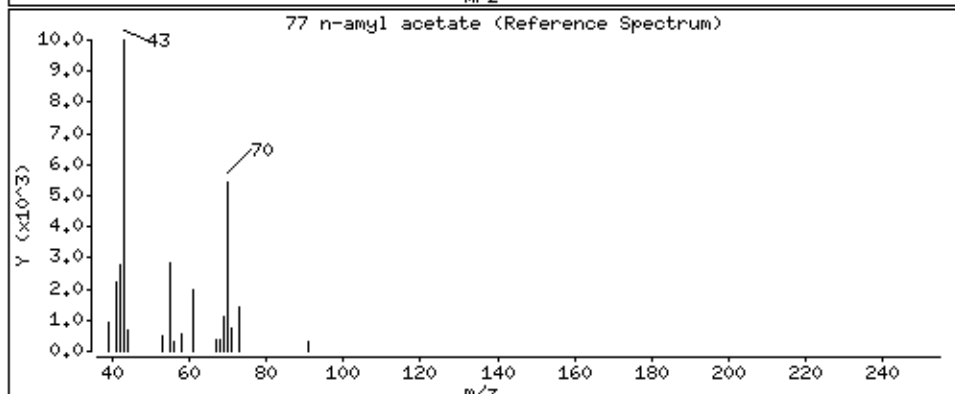
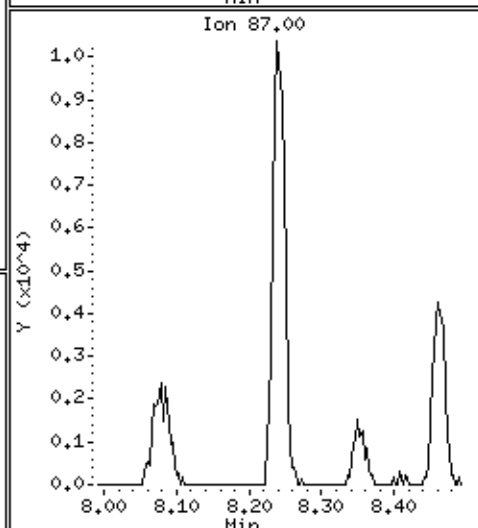
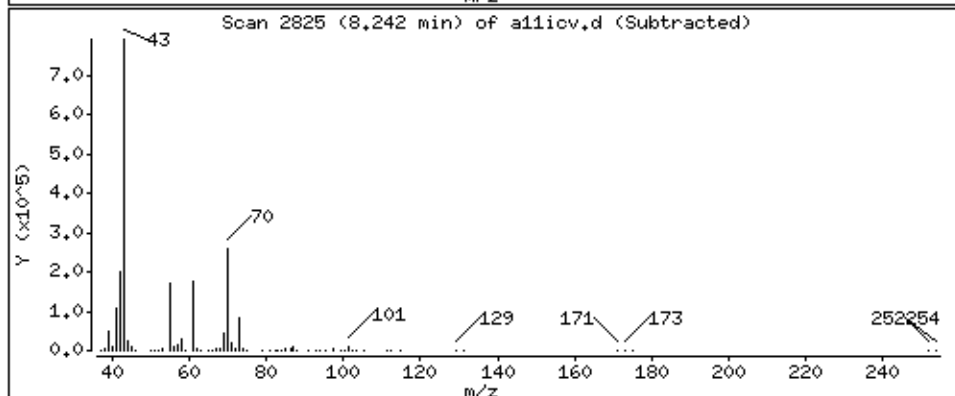
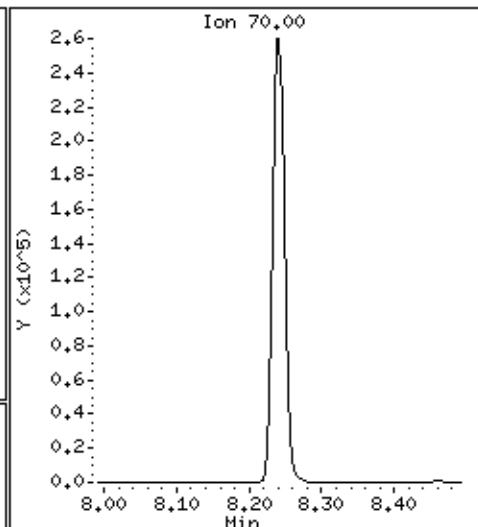
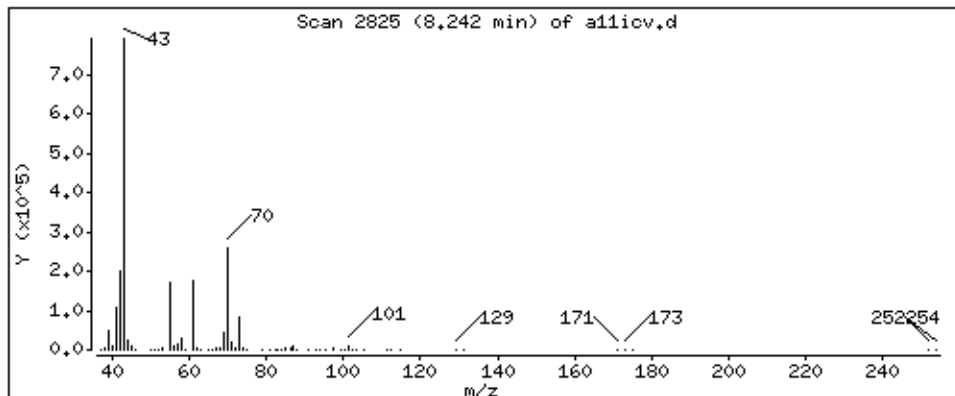
Operator: amv

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

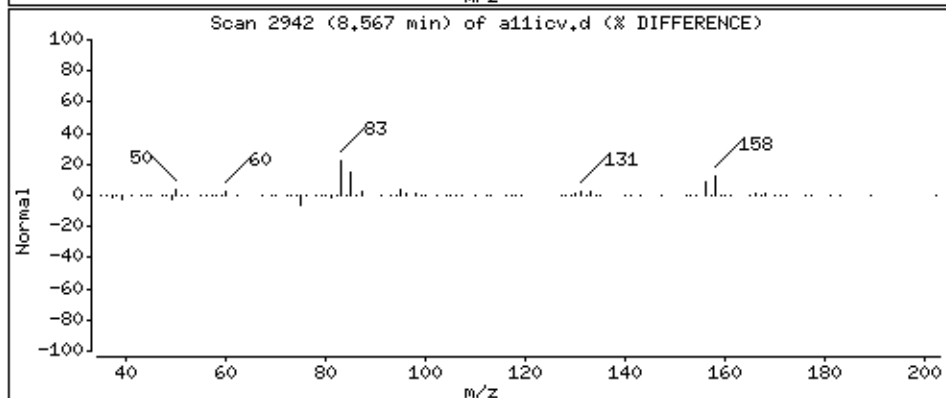
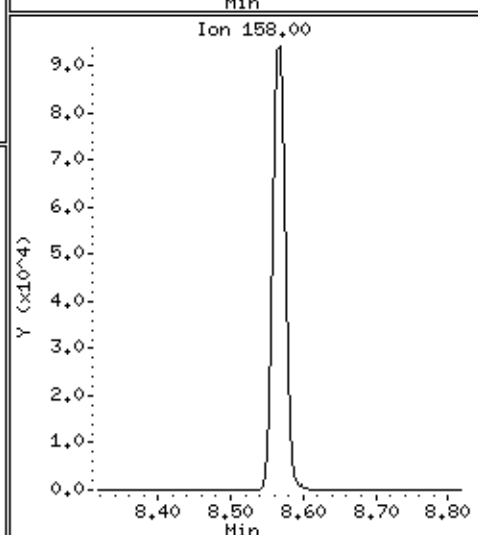
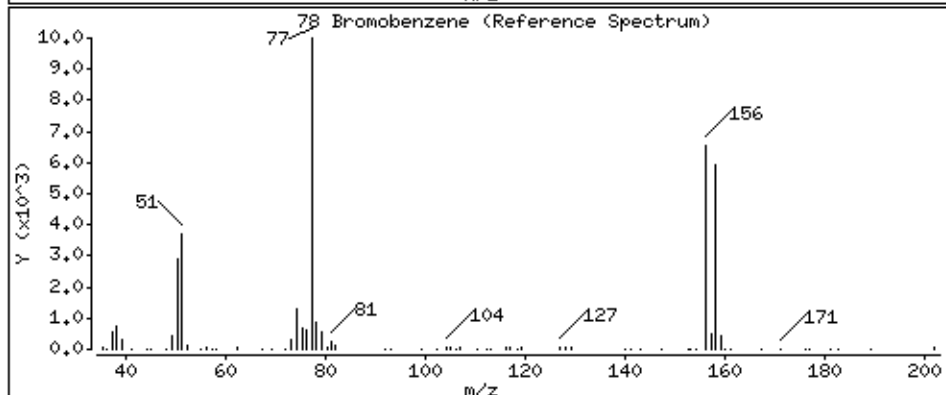
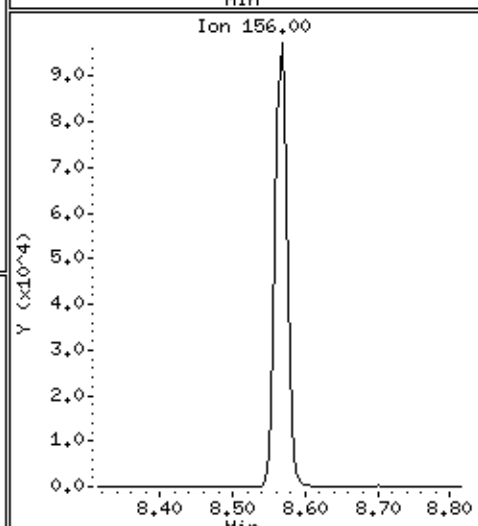
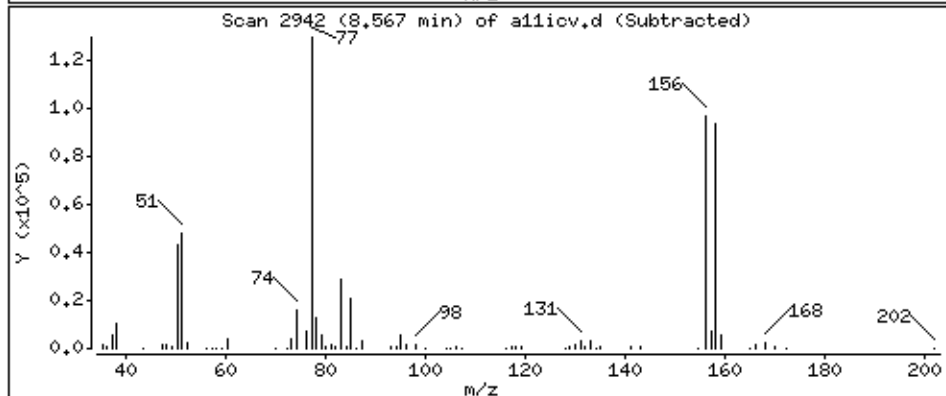
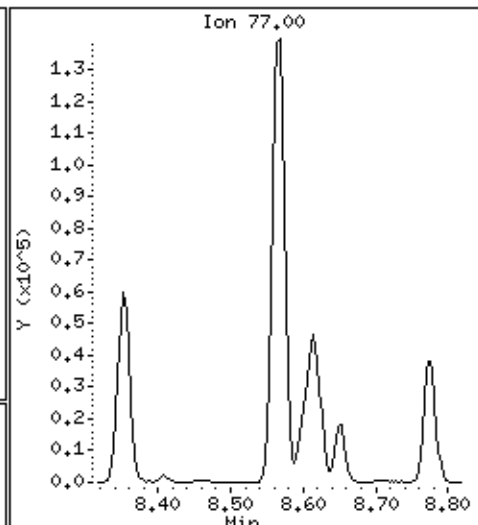
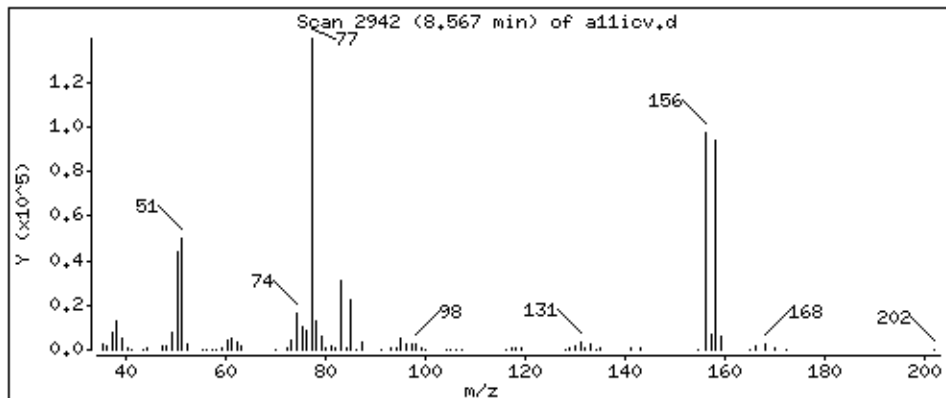
Operator: amv

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

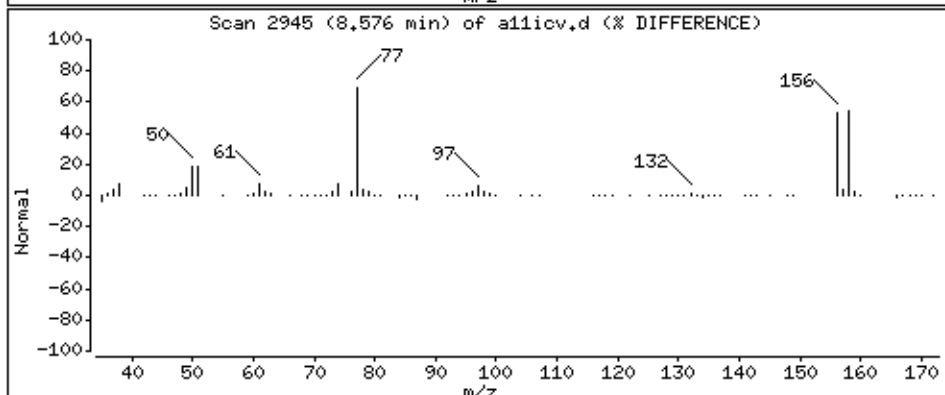
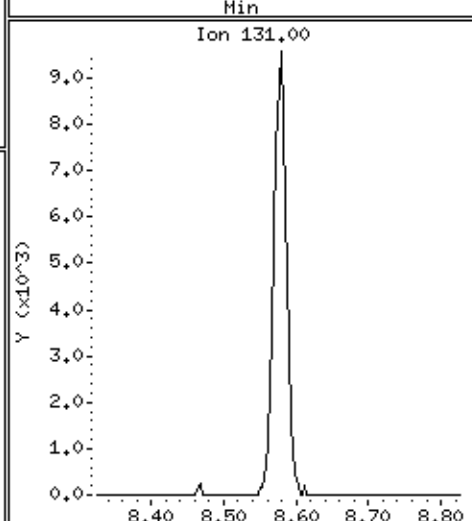
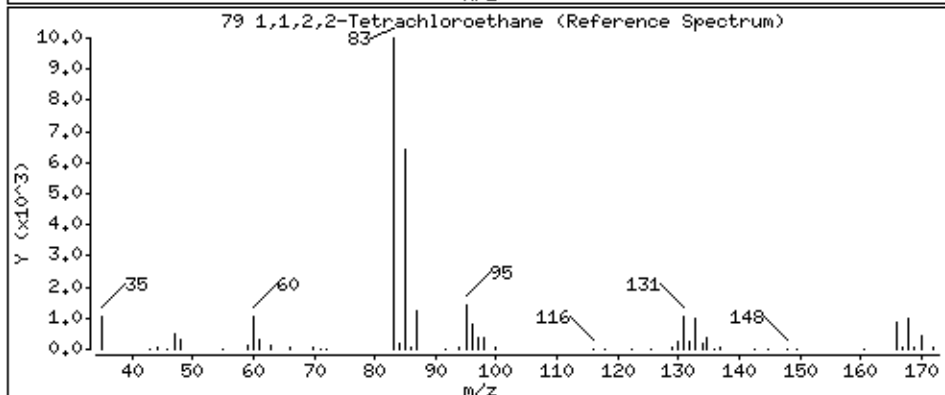
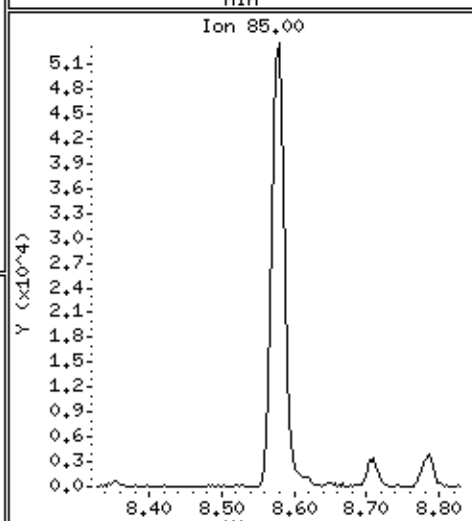
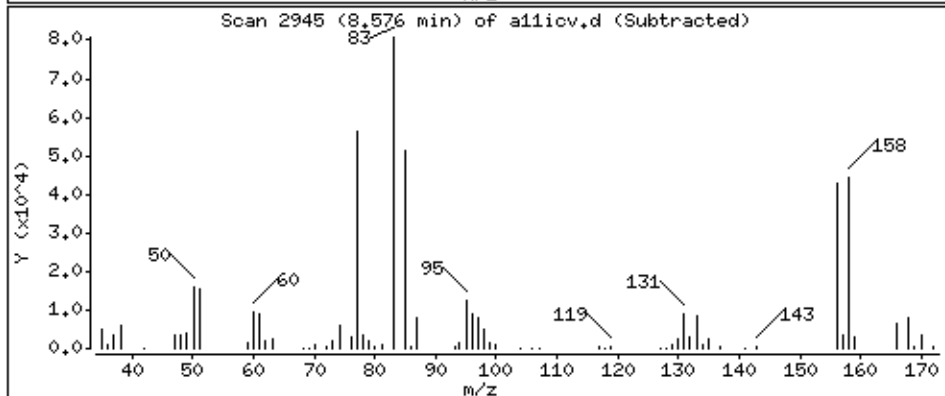
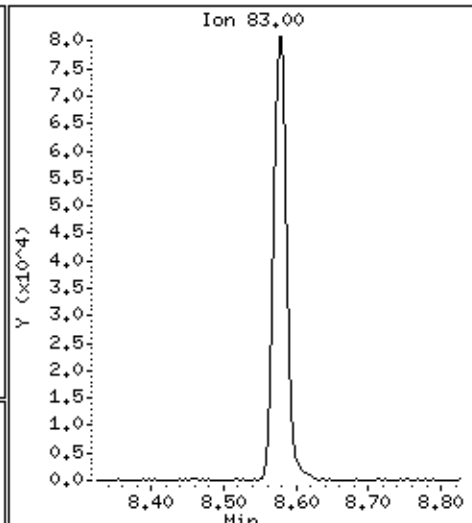
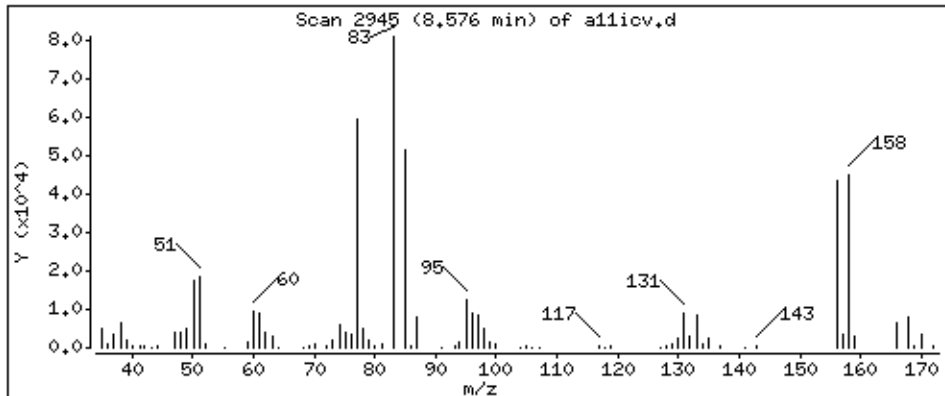
Operator: amv

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

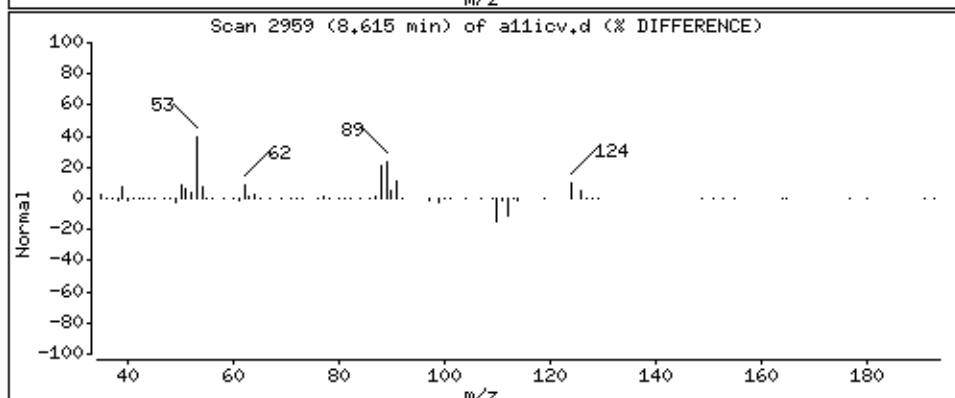
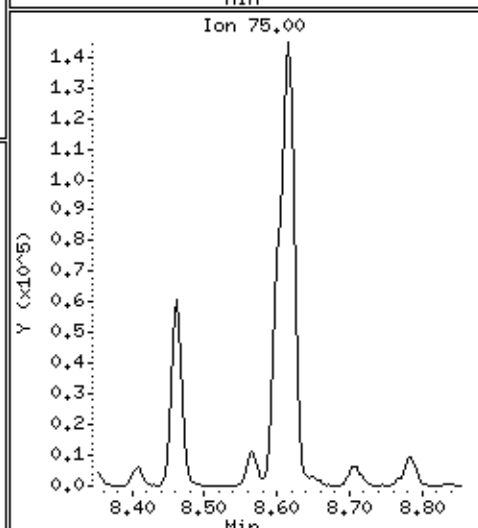
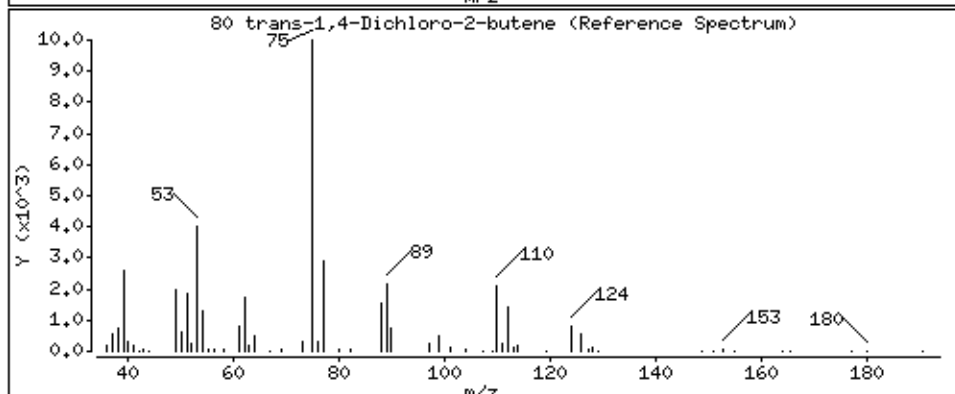
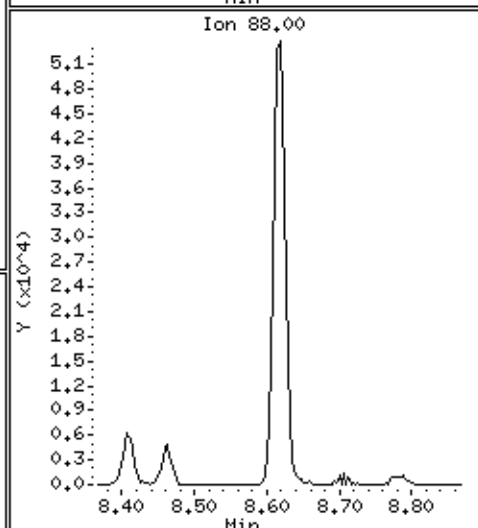
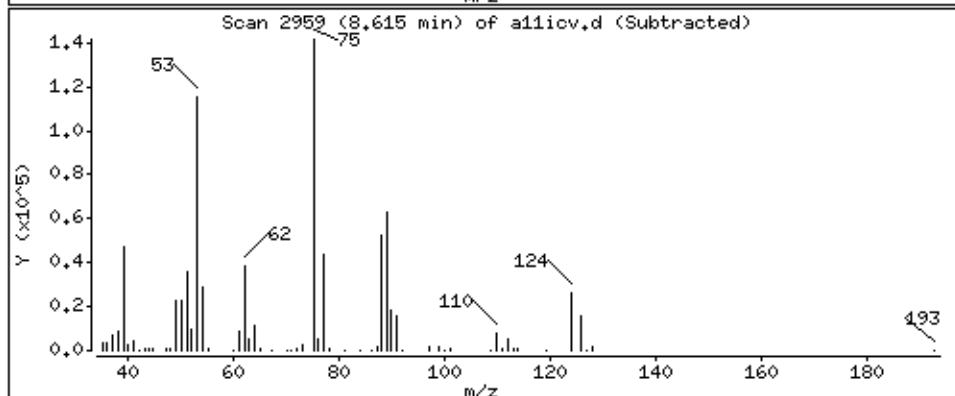
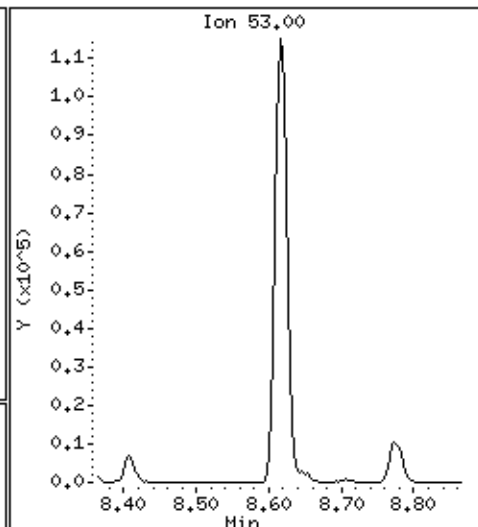
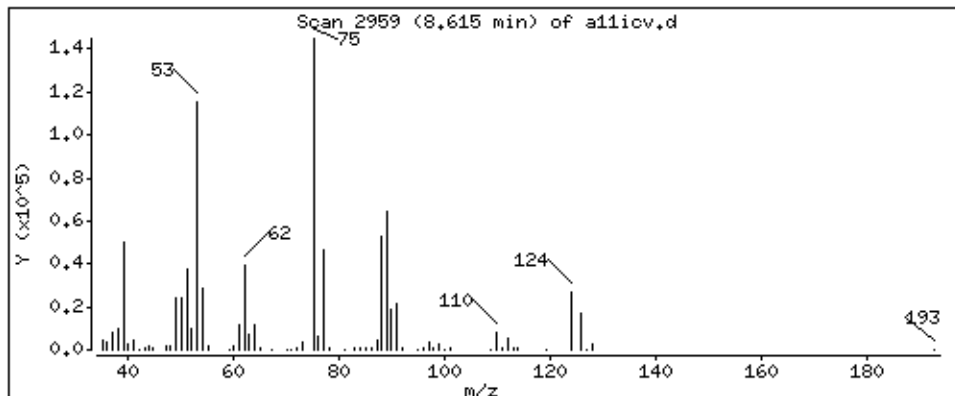
Operator: amv

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

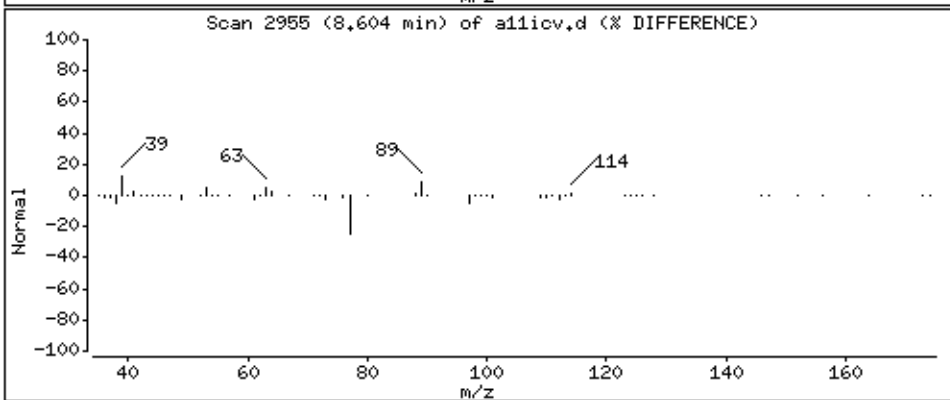
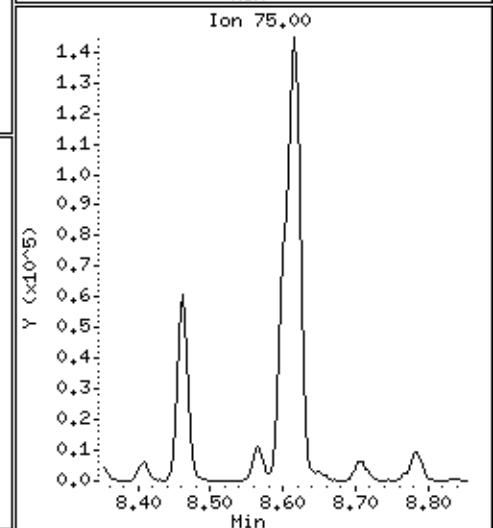
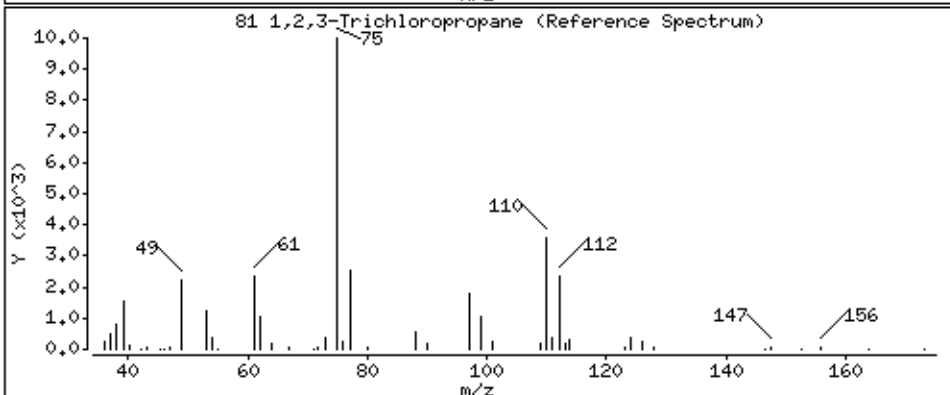
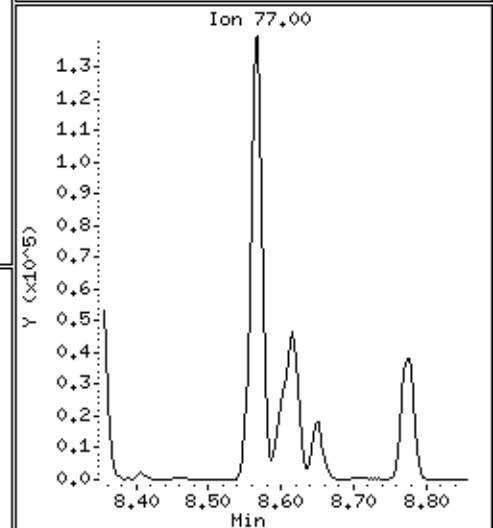
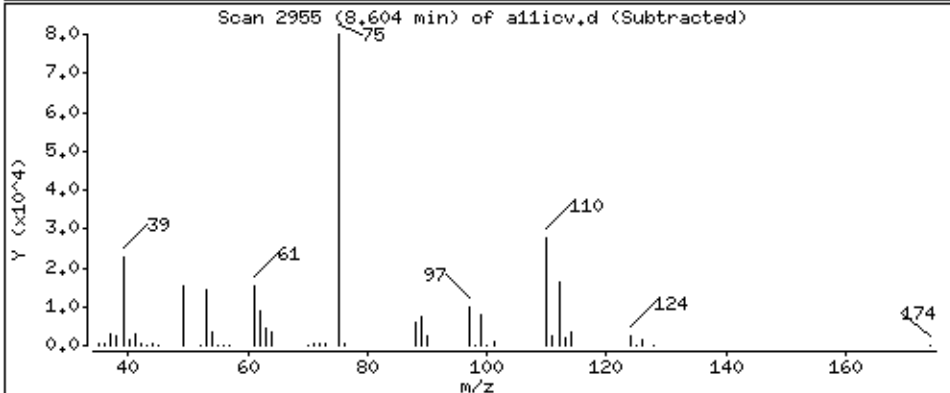
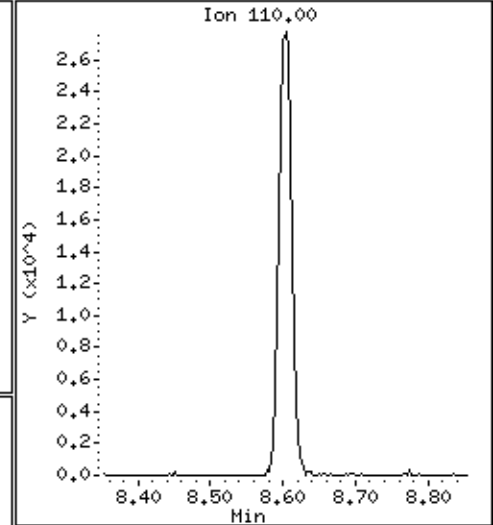
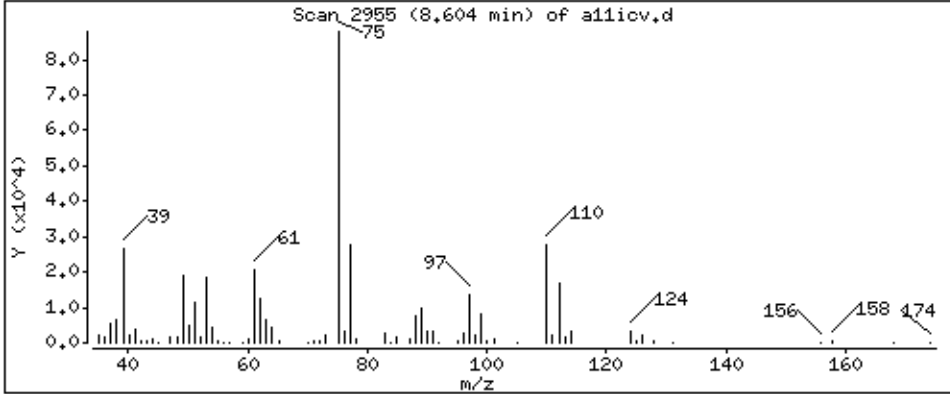
Operator: amv

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: 50mv2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

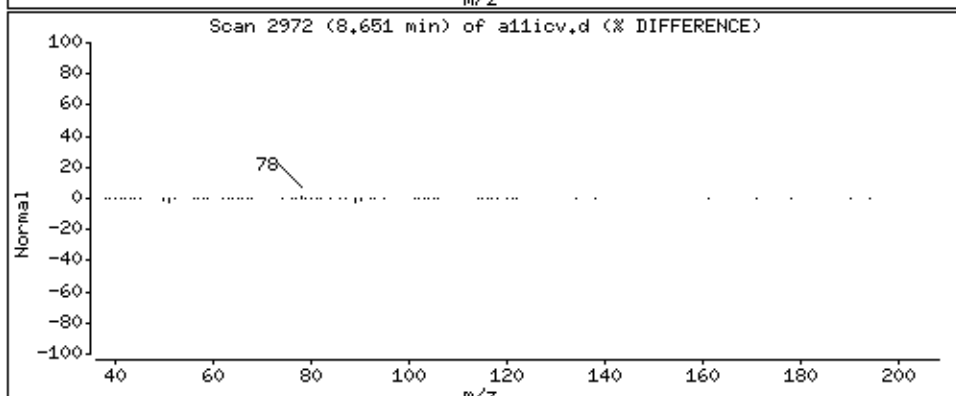
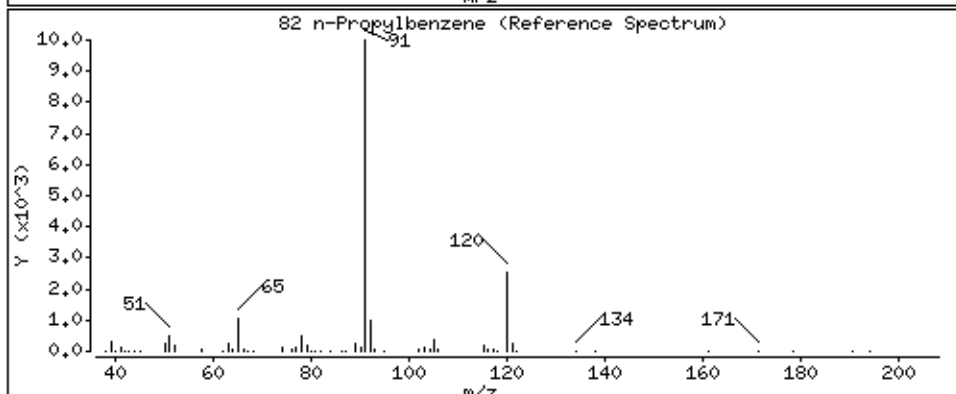
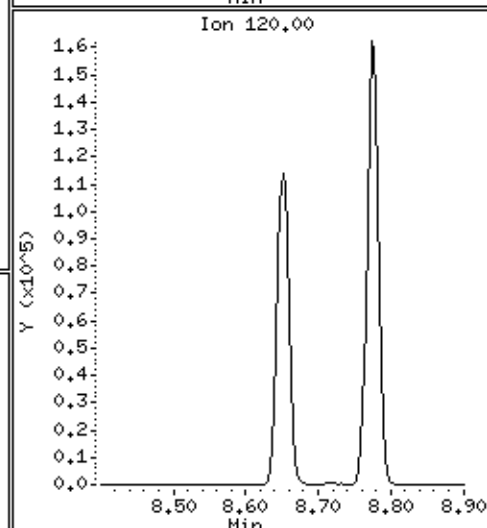
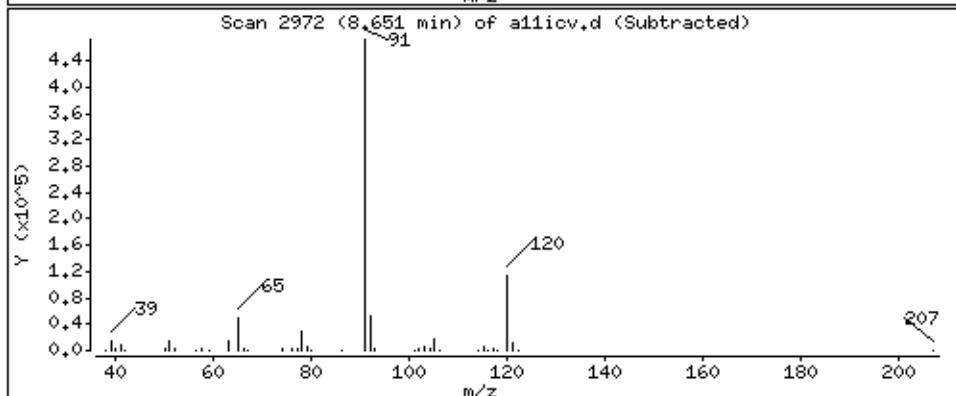
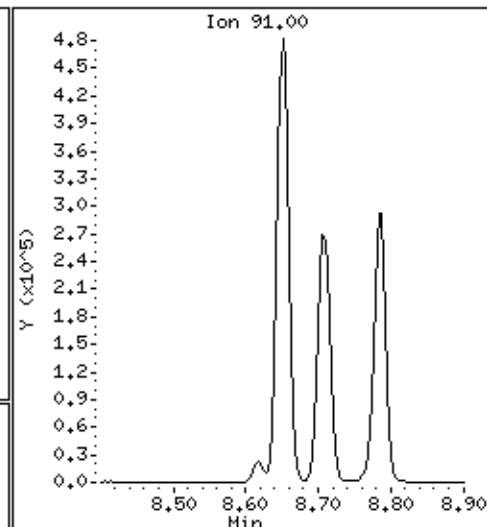
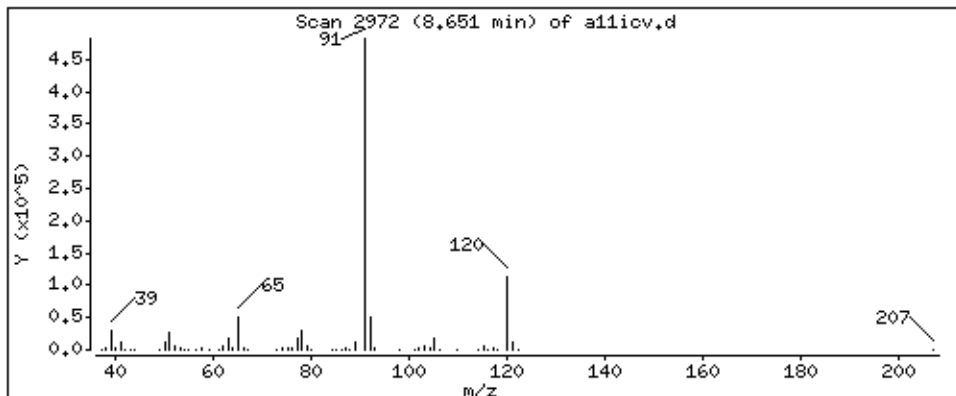
Operator: amv

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

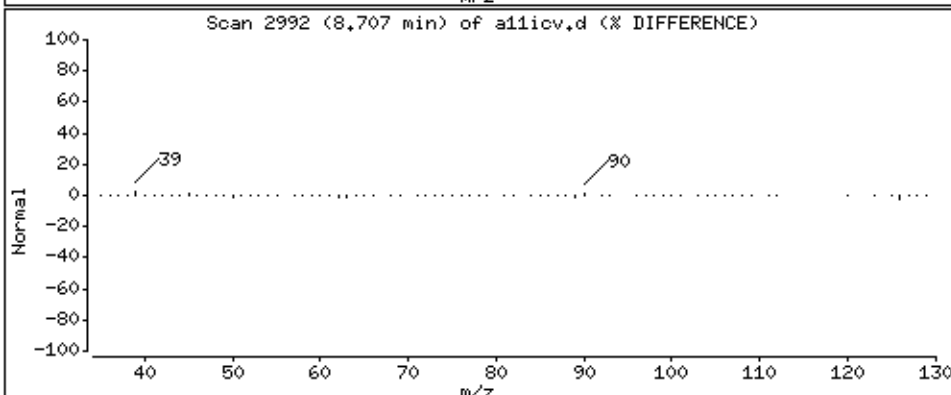
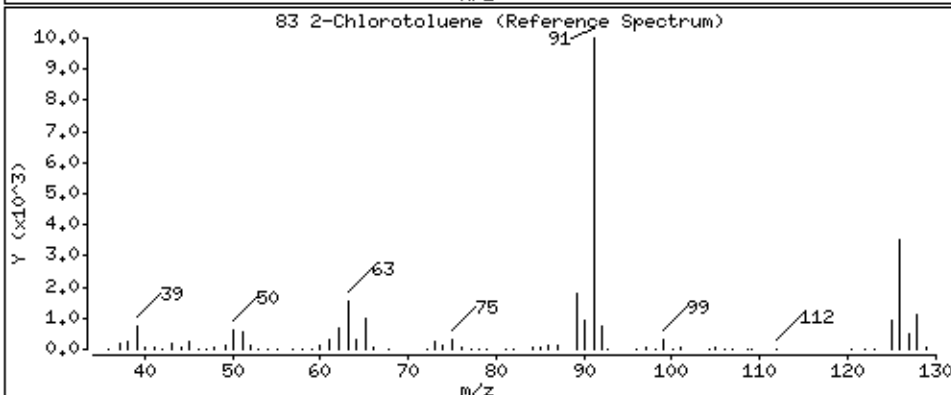
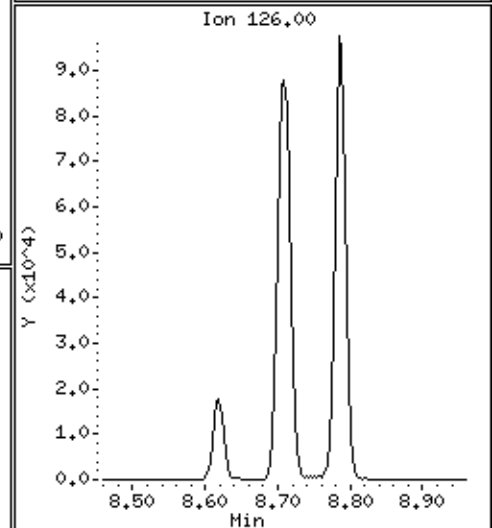
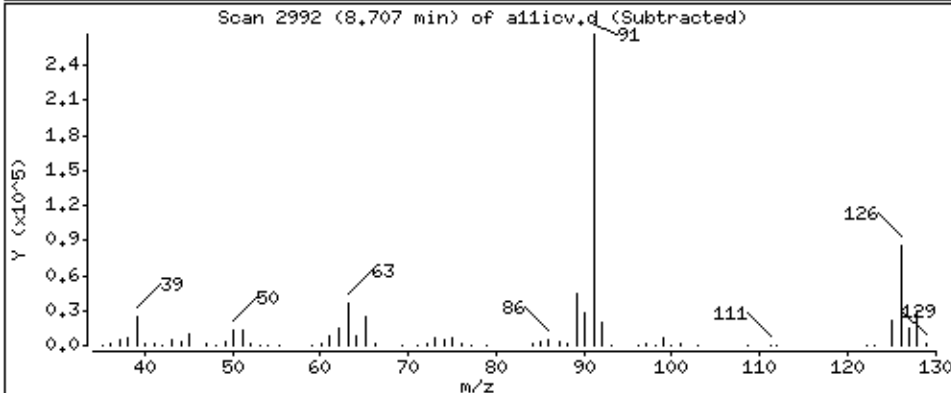
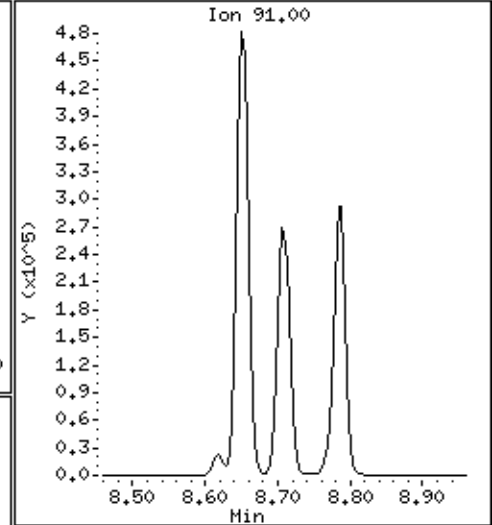
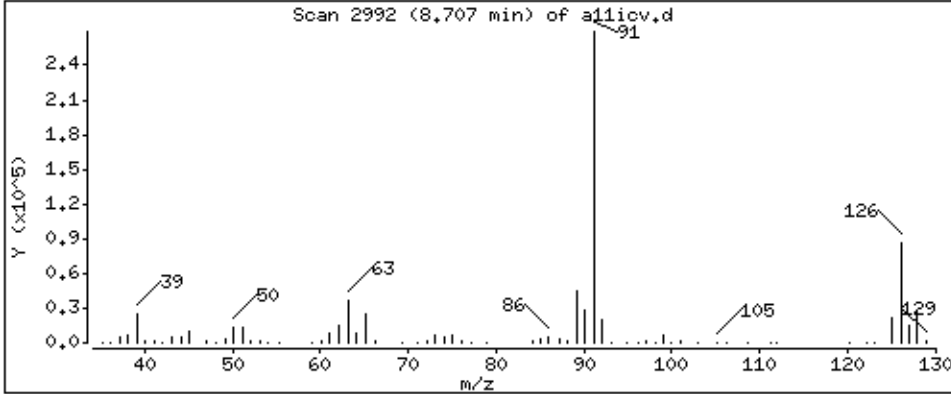
Operator: amv

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

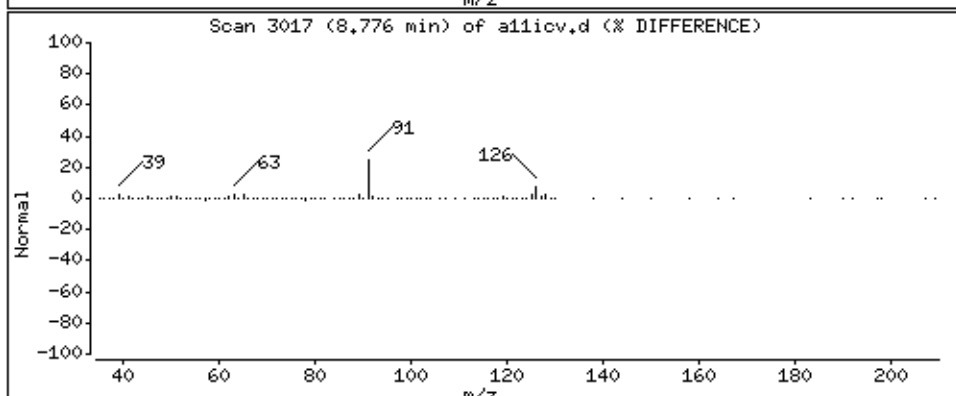
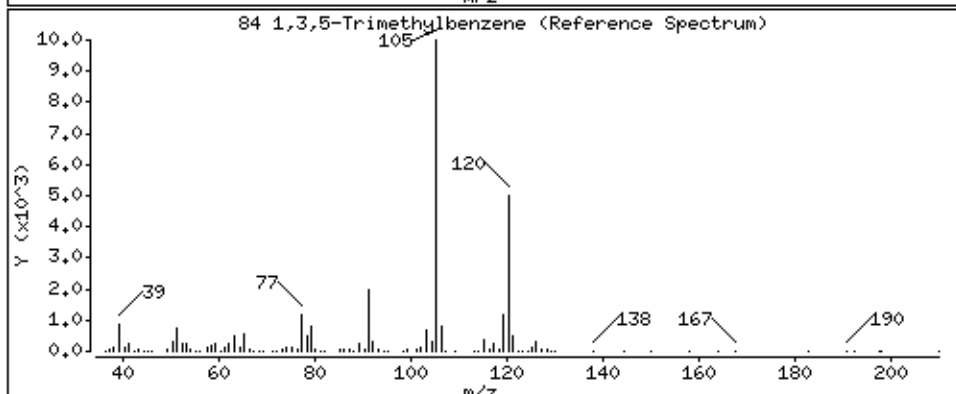
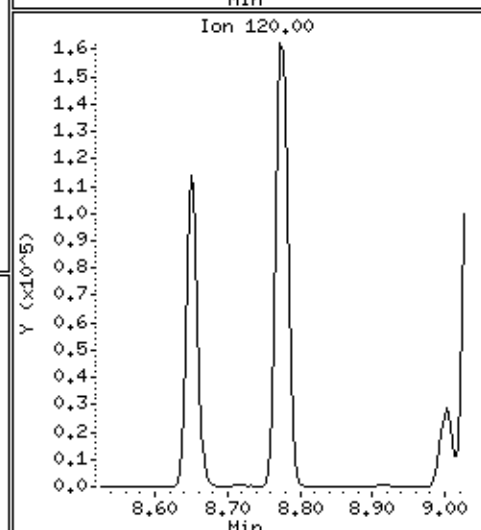
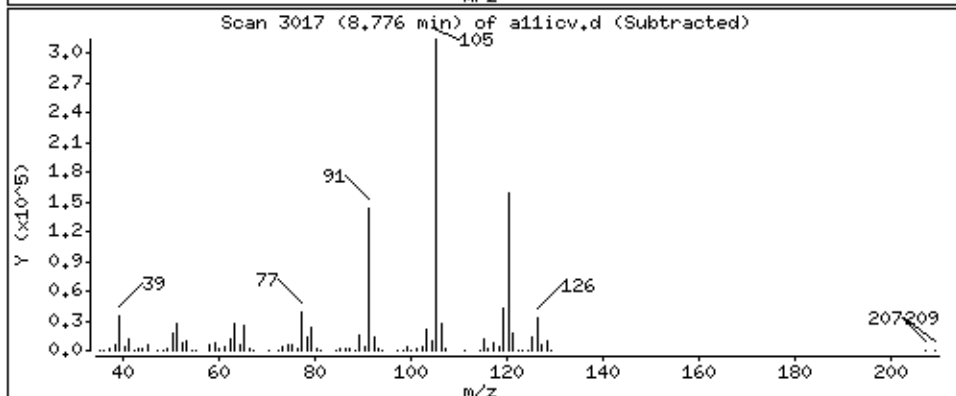
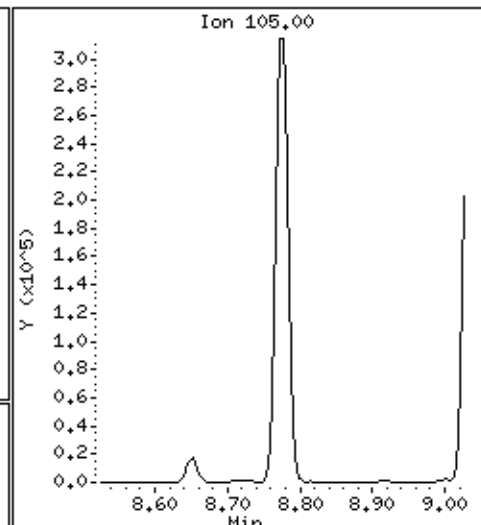
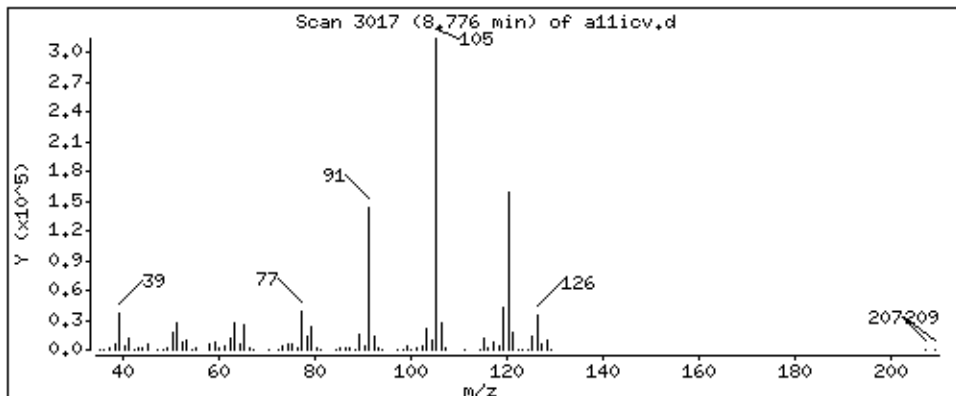
Operator: amv

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

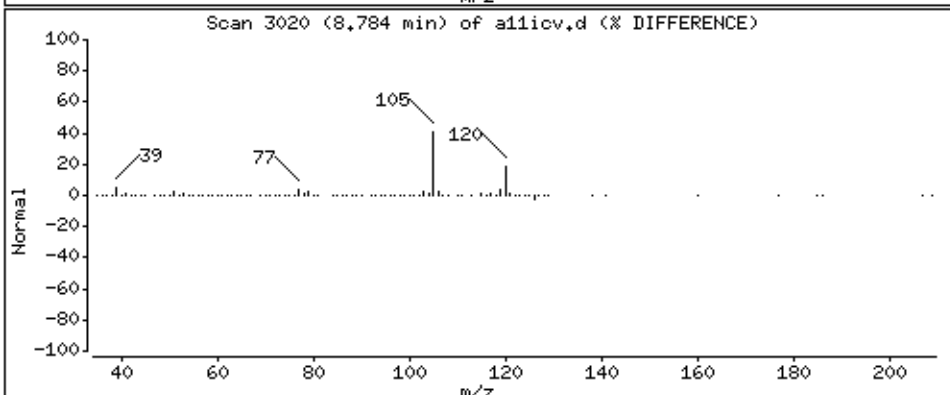
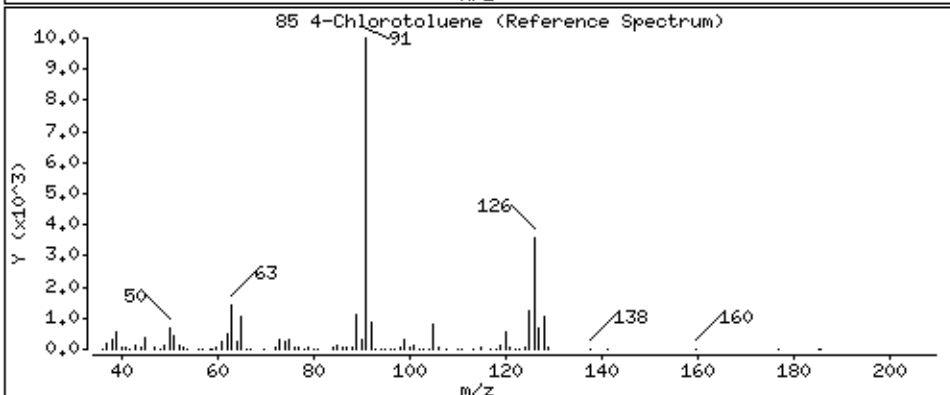
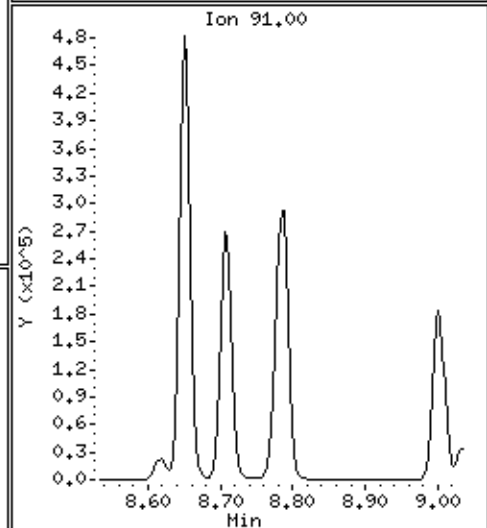
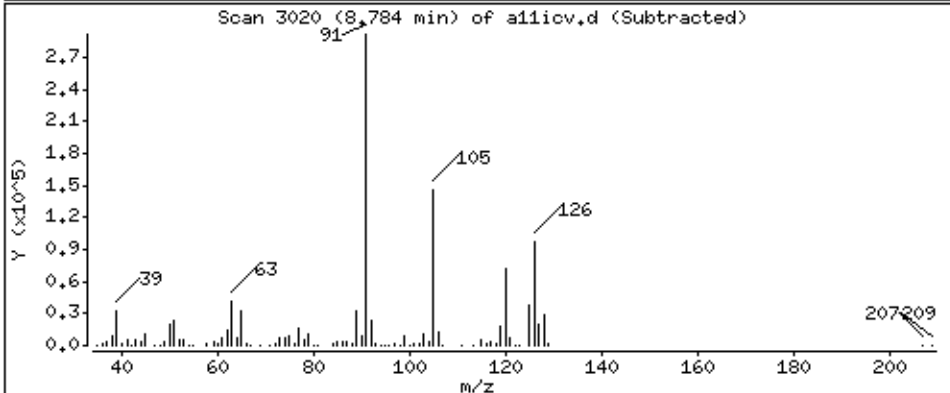
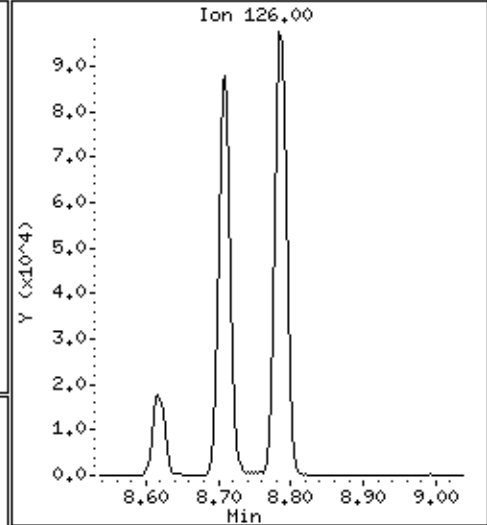
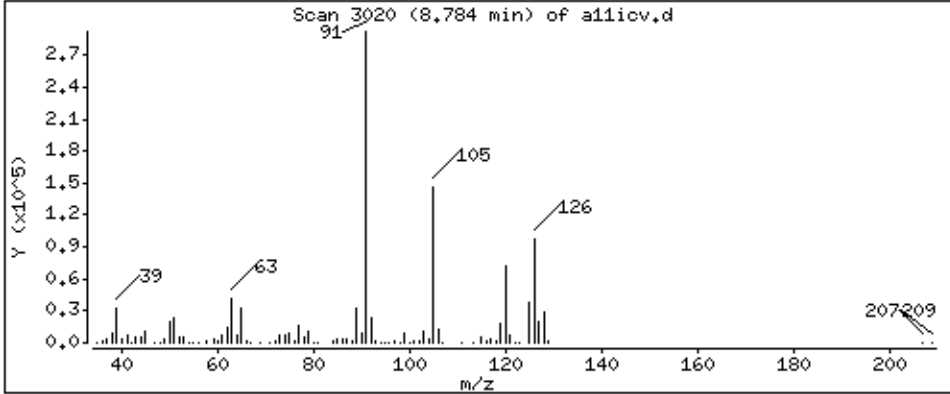
Operator: amv

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

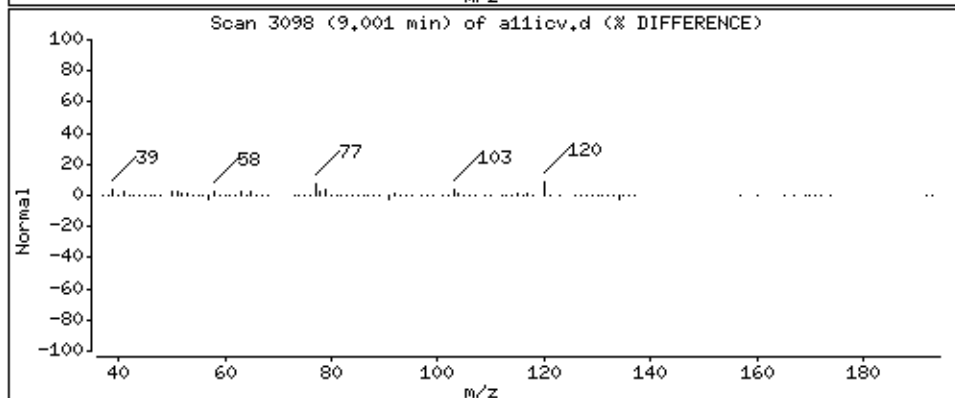
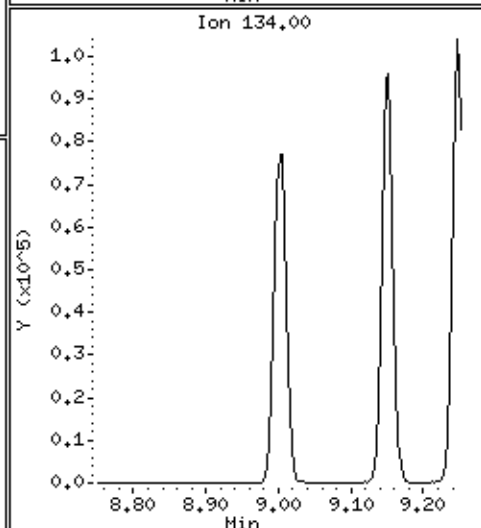
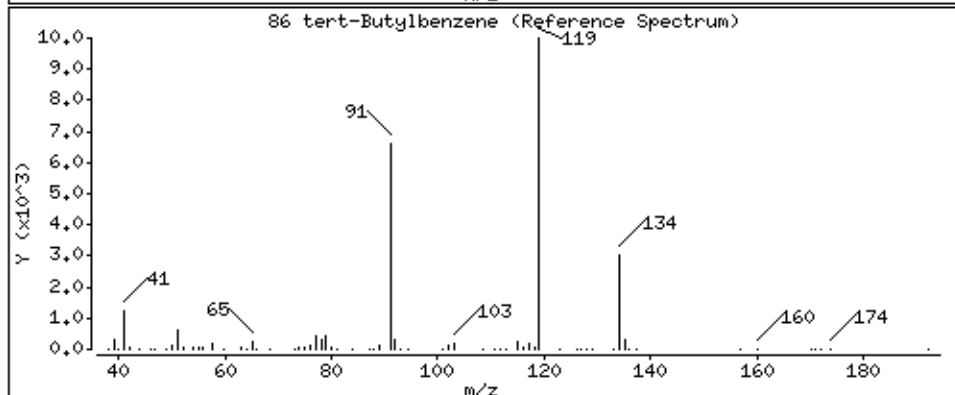
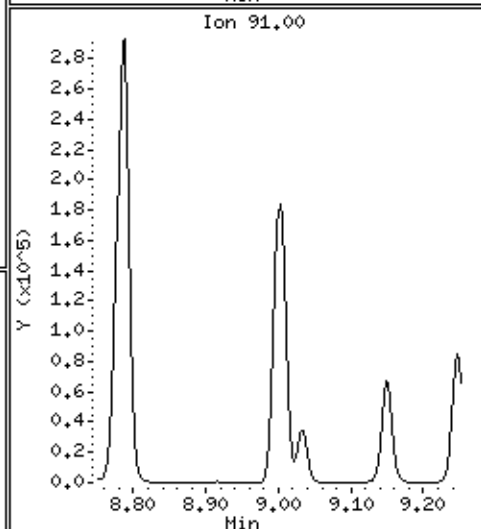
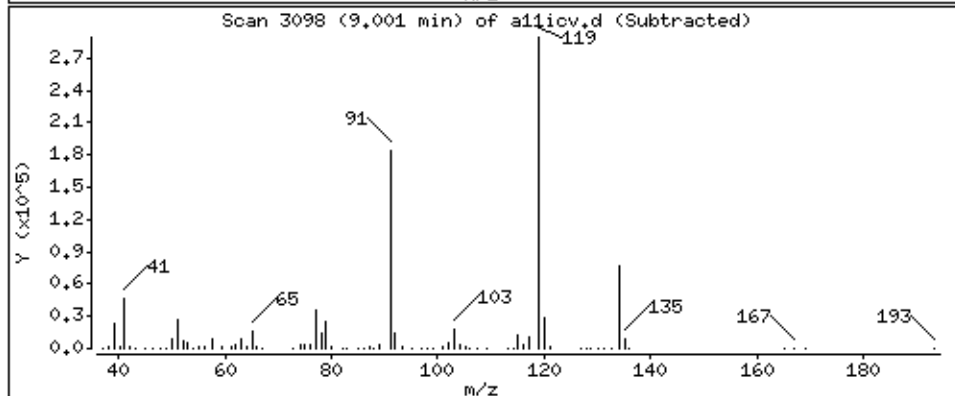
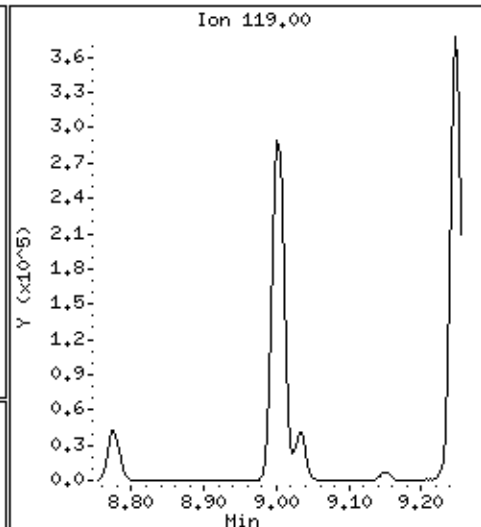
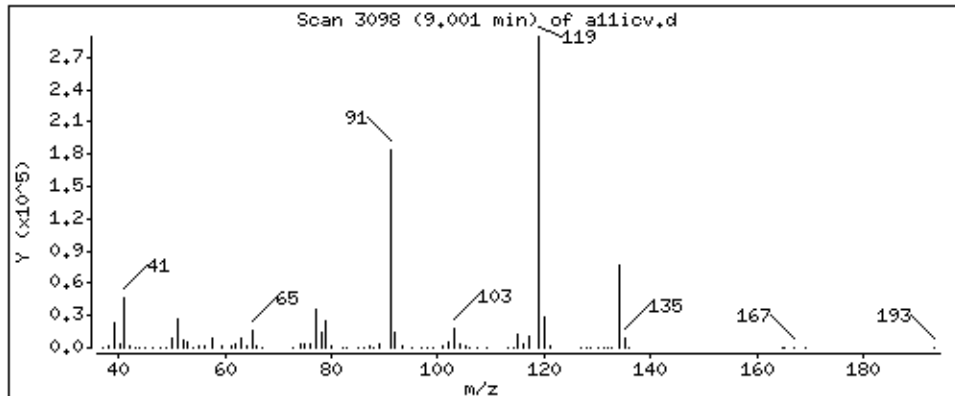
Operator: amv

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

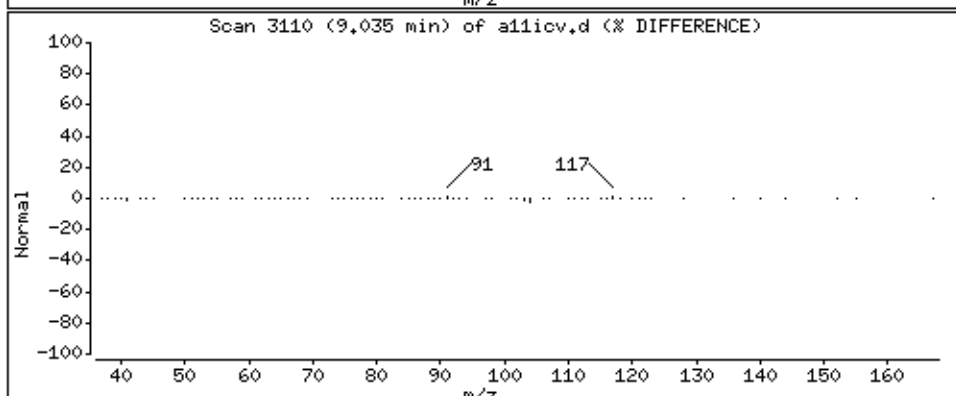
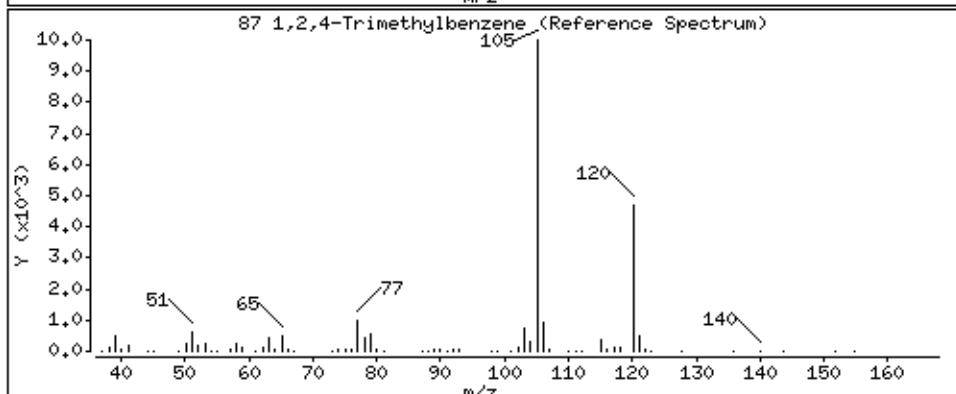
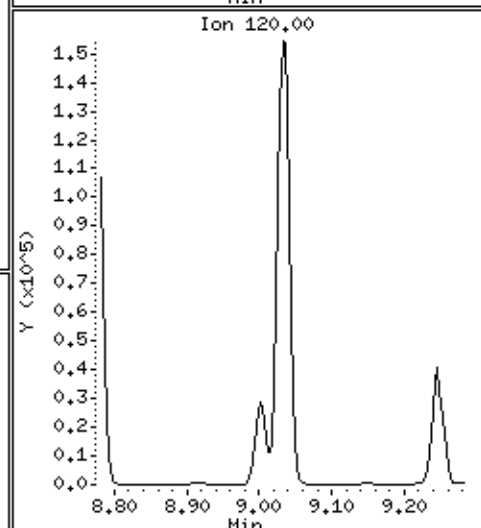
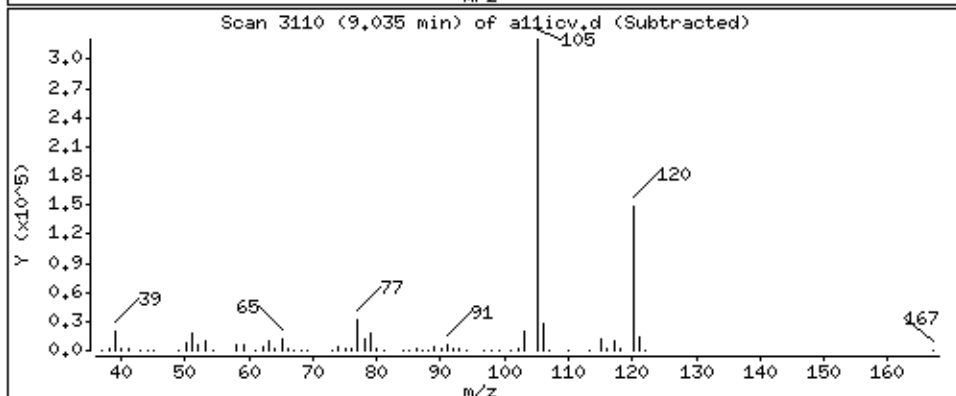
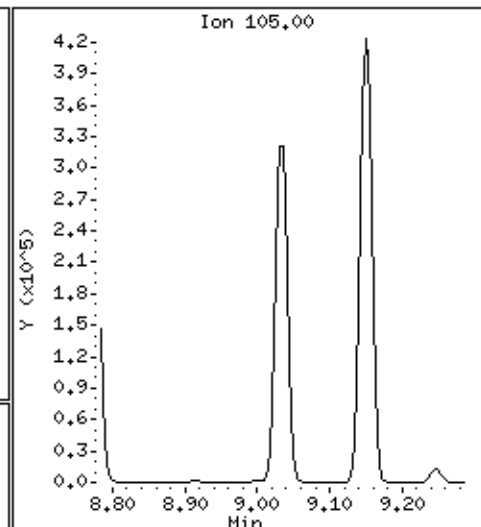
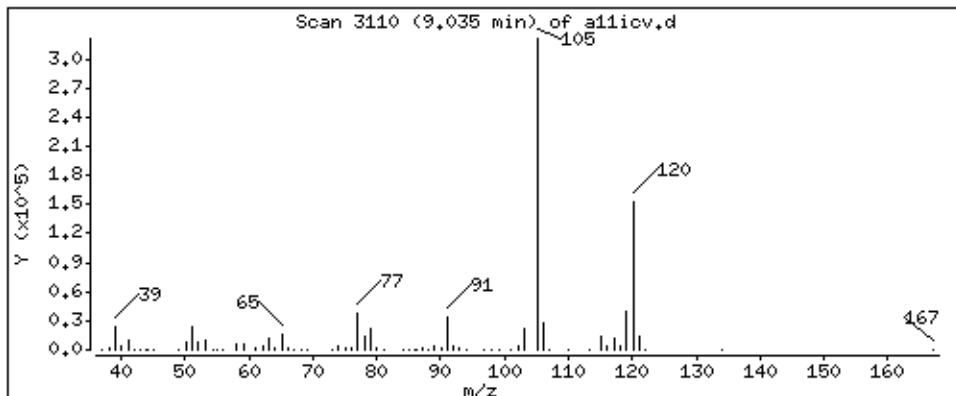
Operator: amv

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

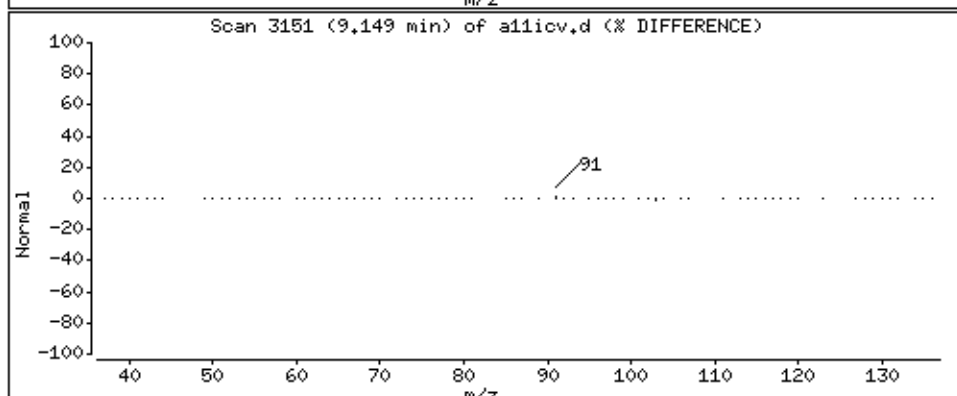
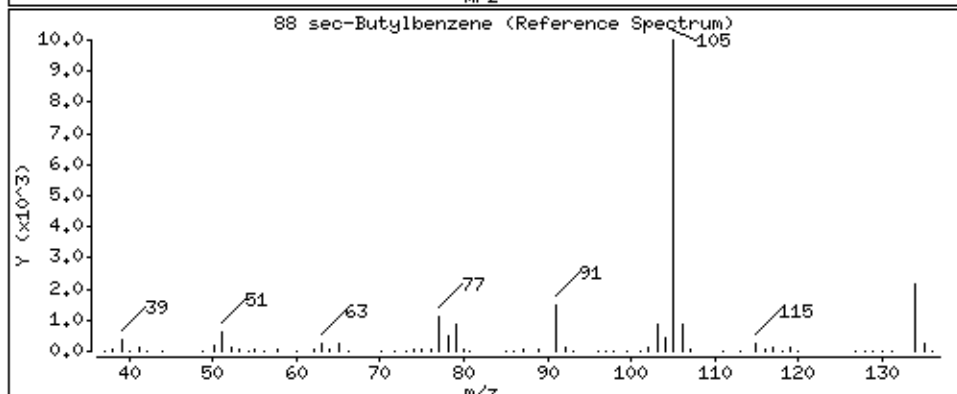
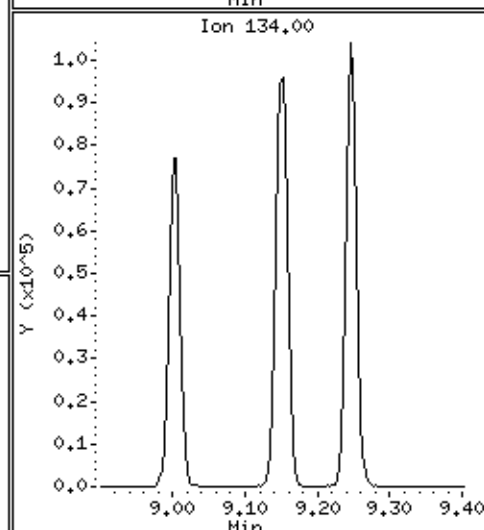
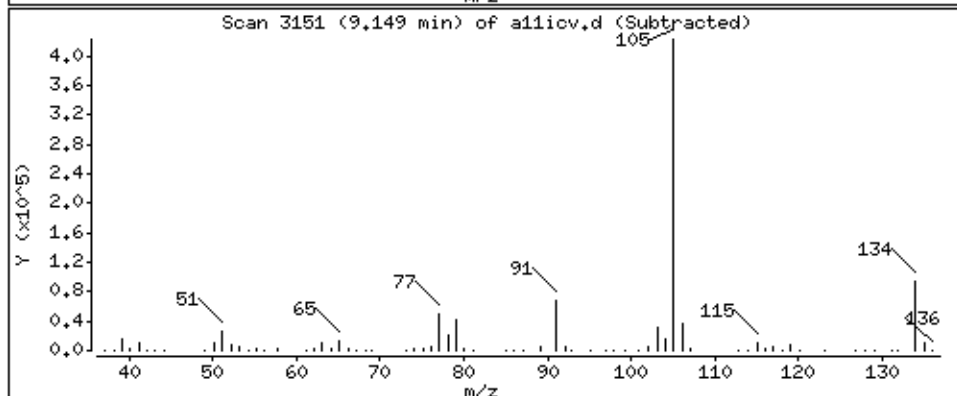
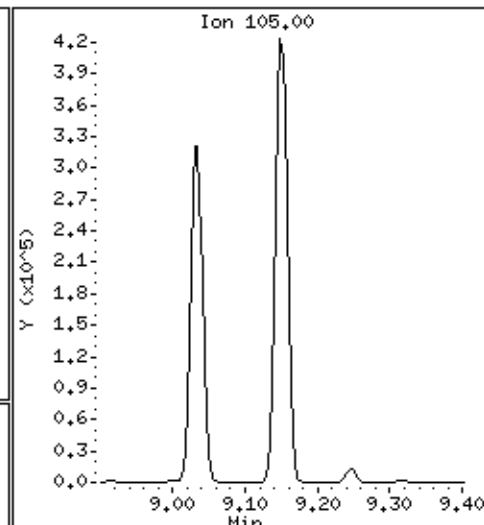
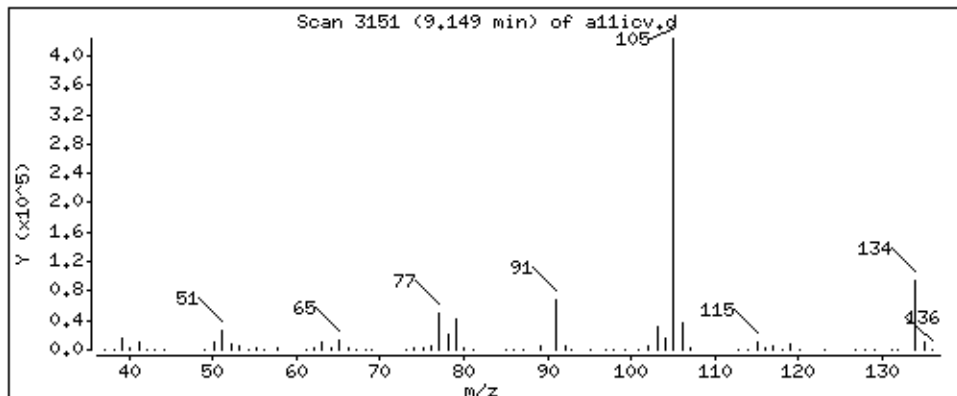
Operator: amv

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

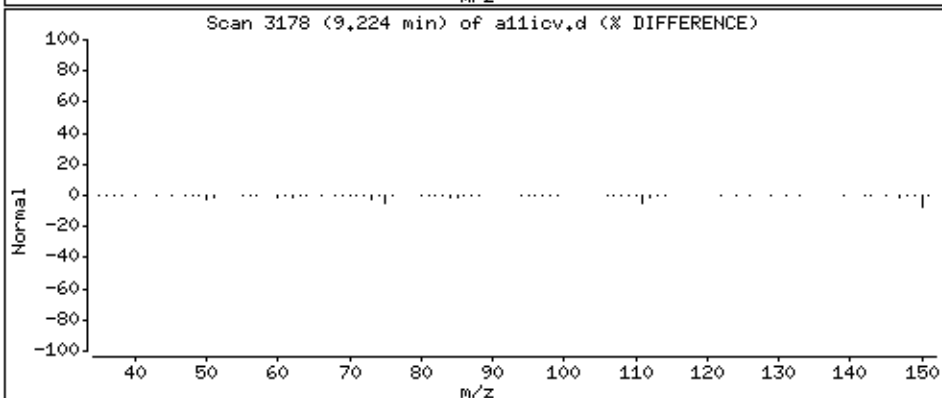
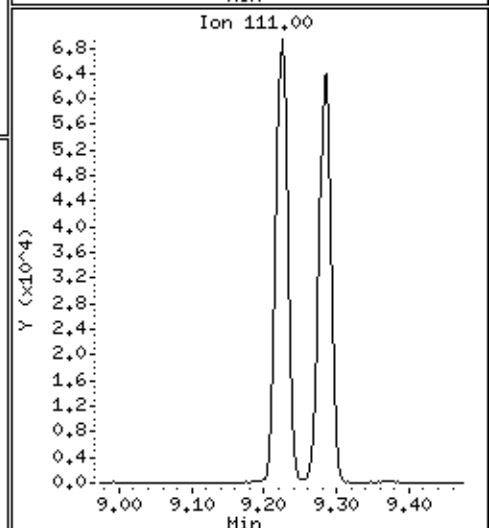
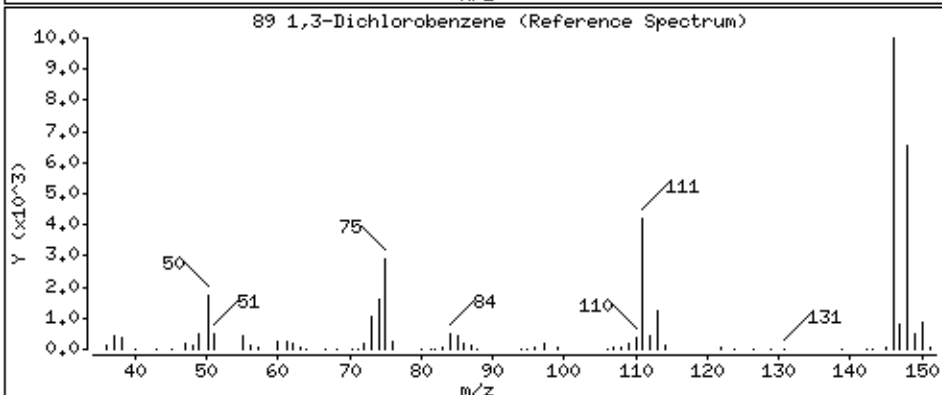
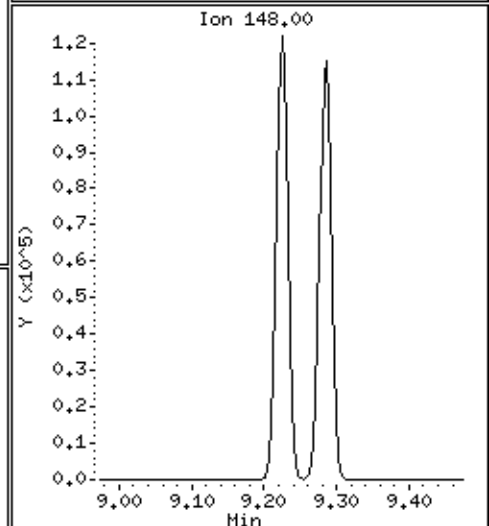
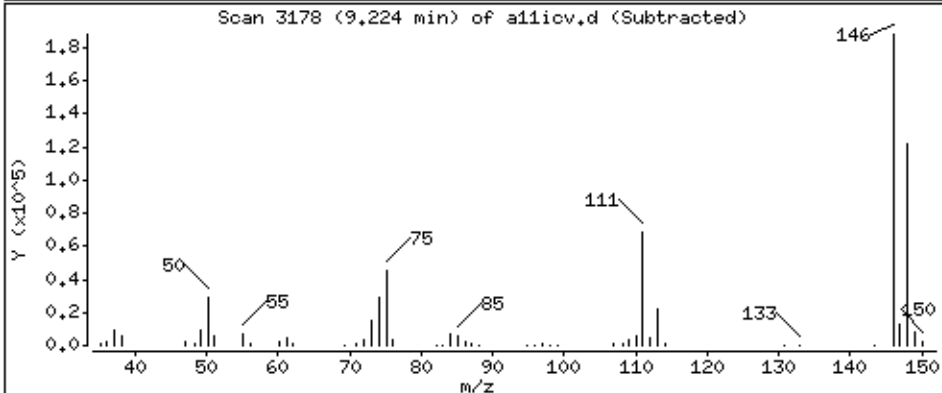
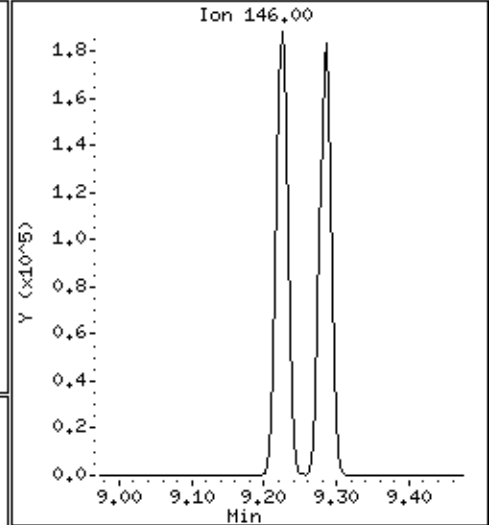
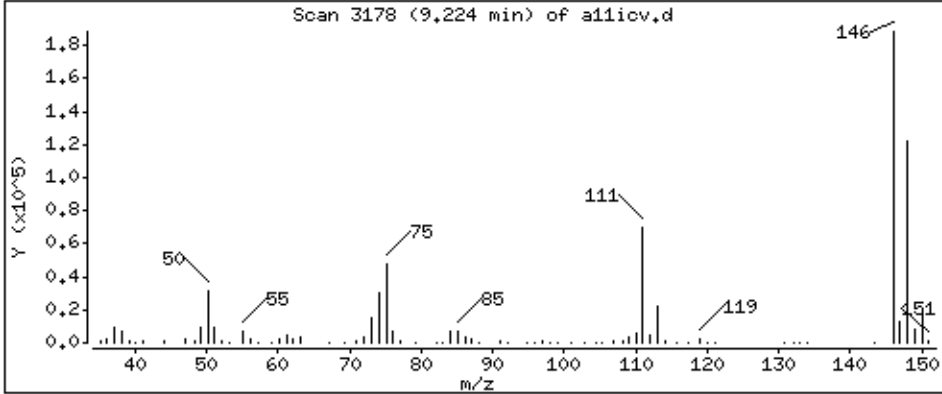
Operator: amv

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

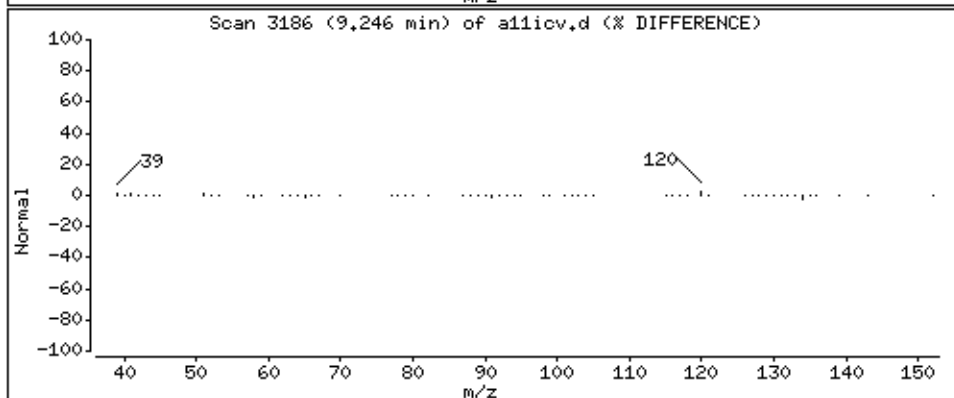
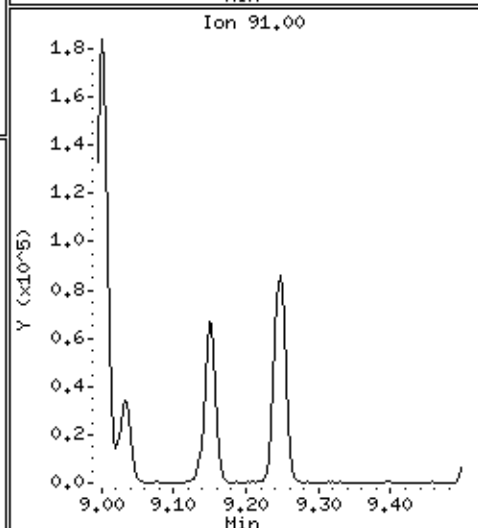
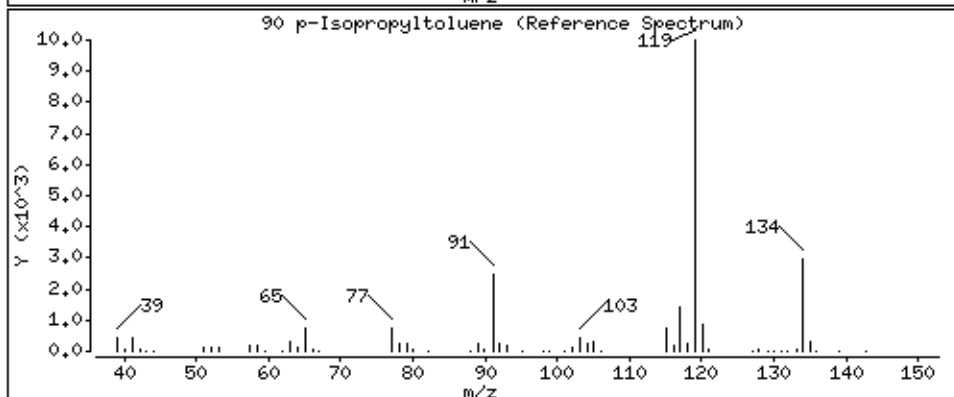
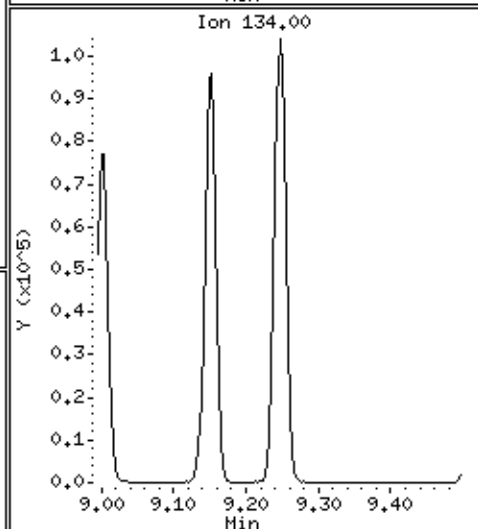
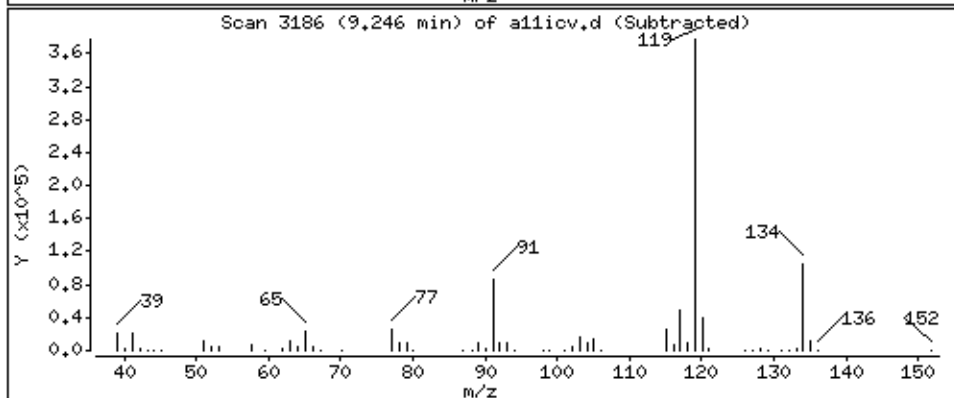
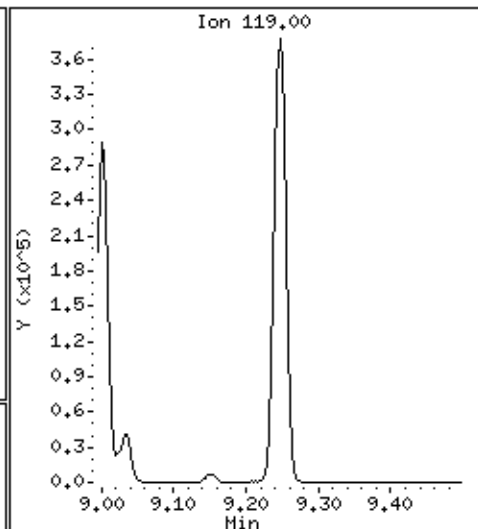
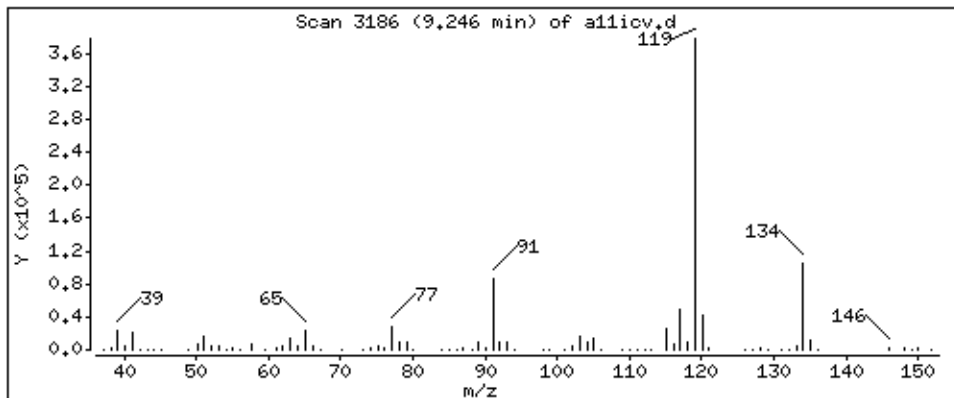
Operator: amv

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

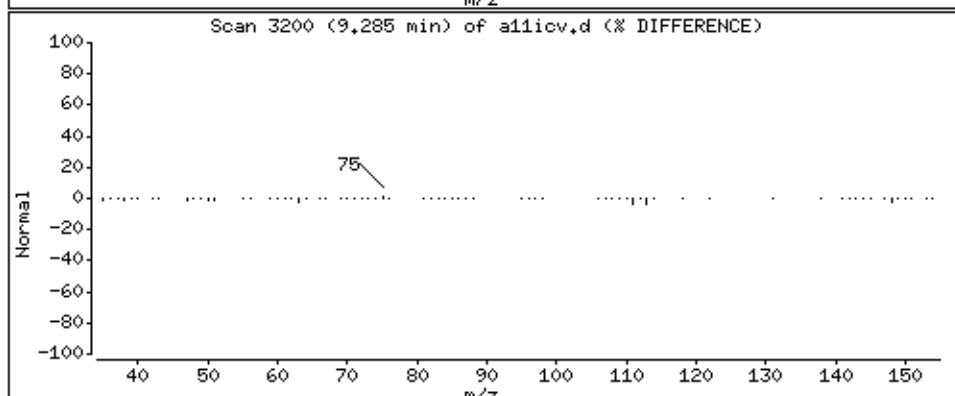
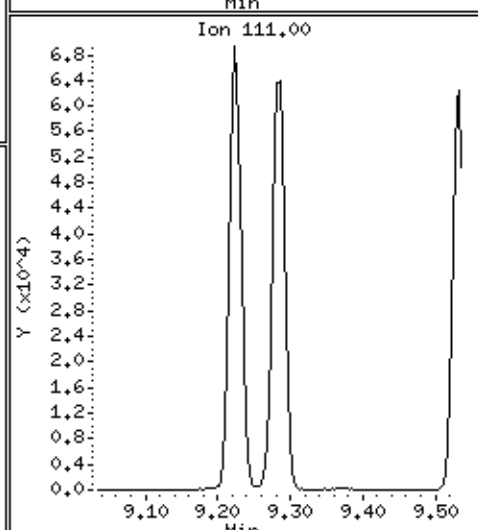
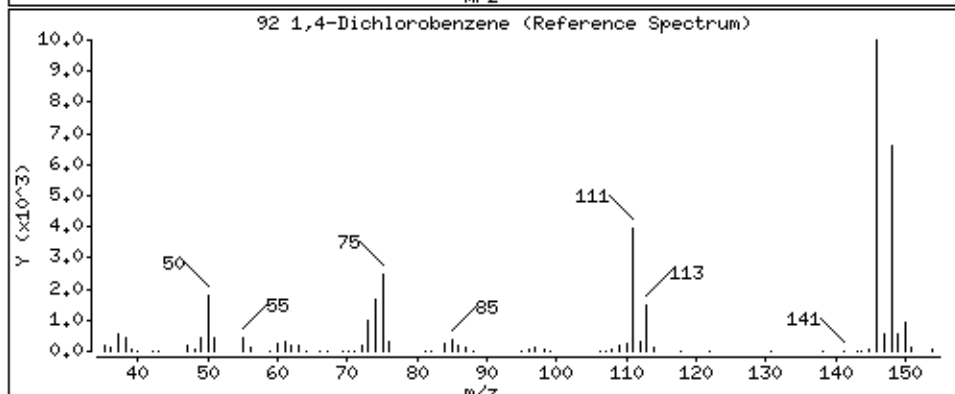
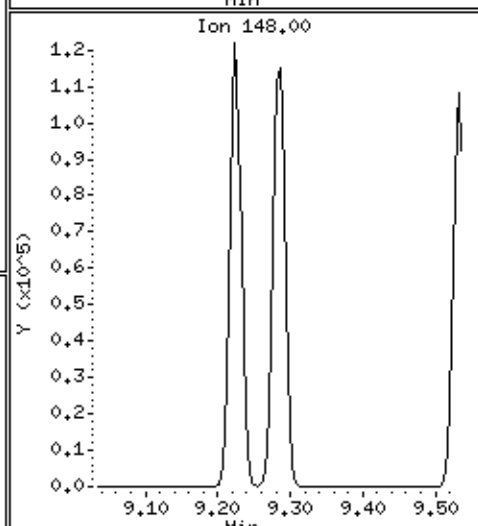
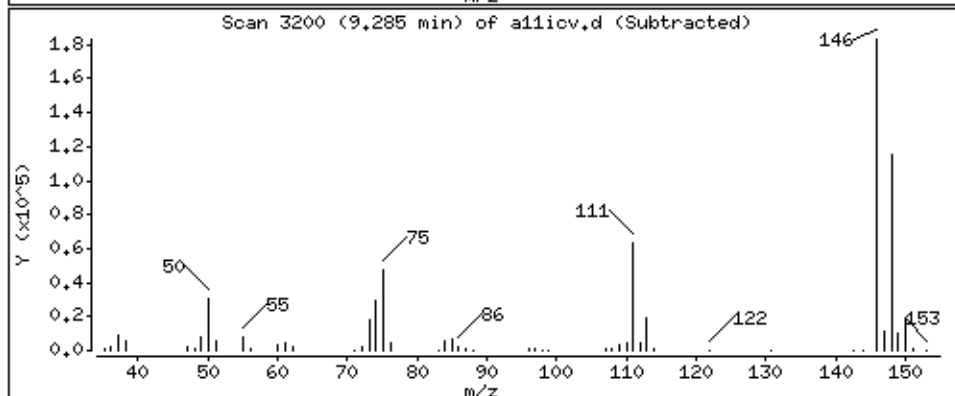
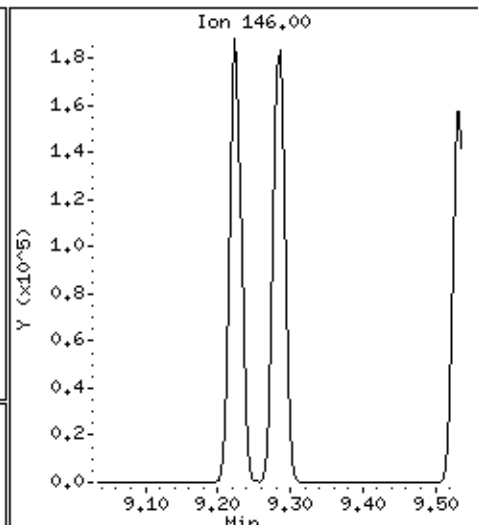
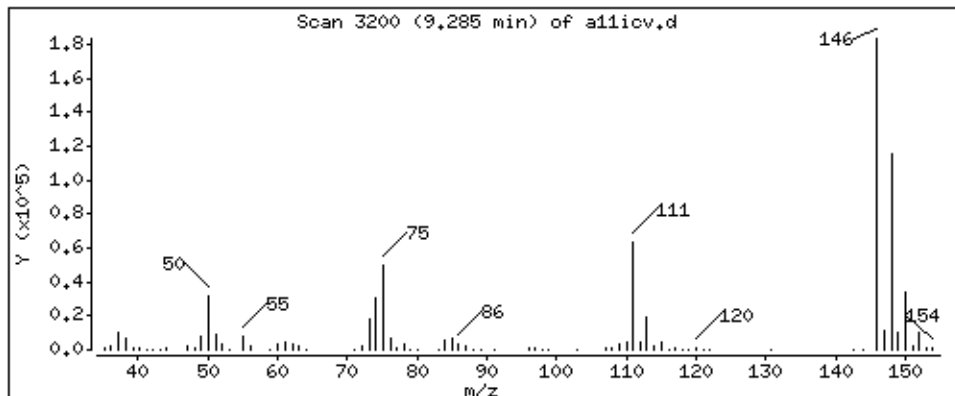
Operator: amv

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

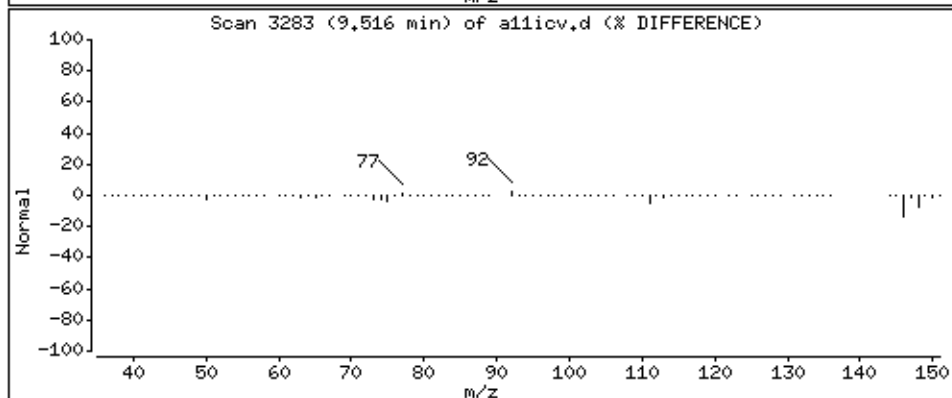
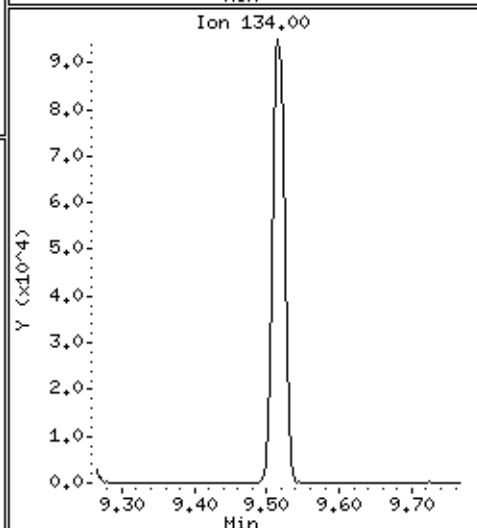
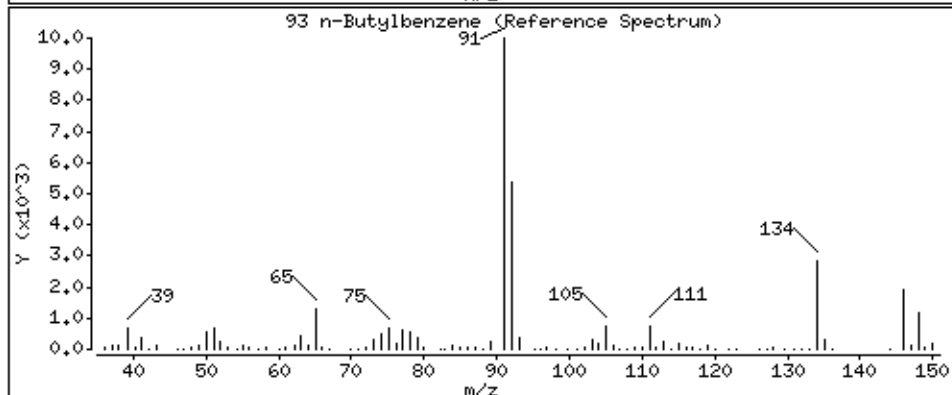
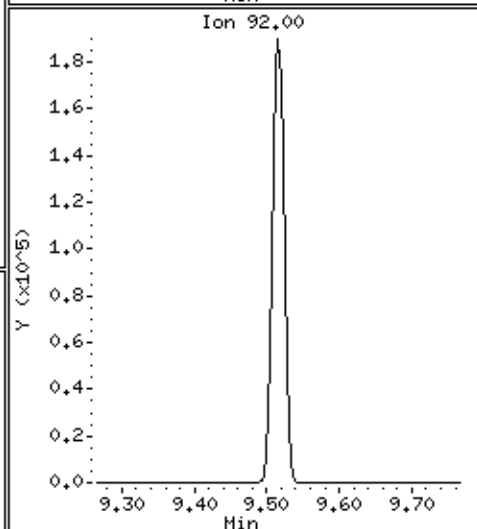
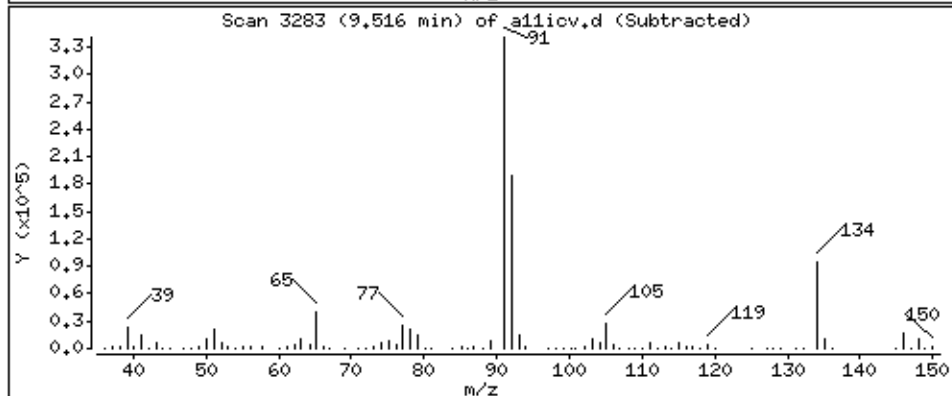
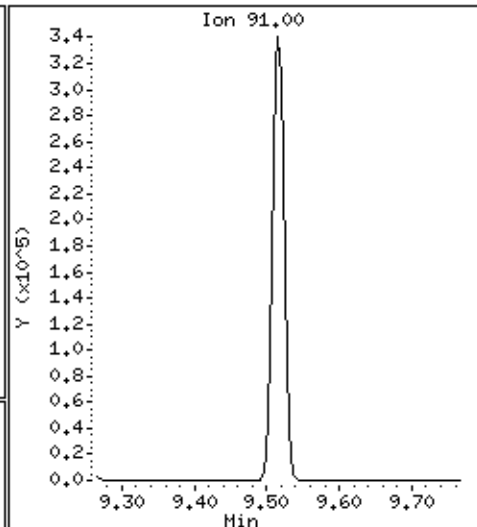
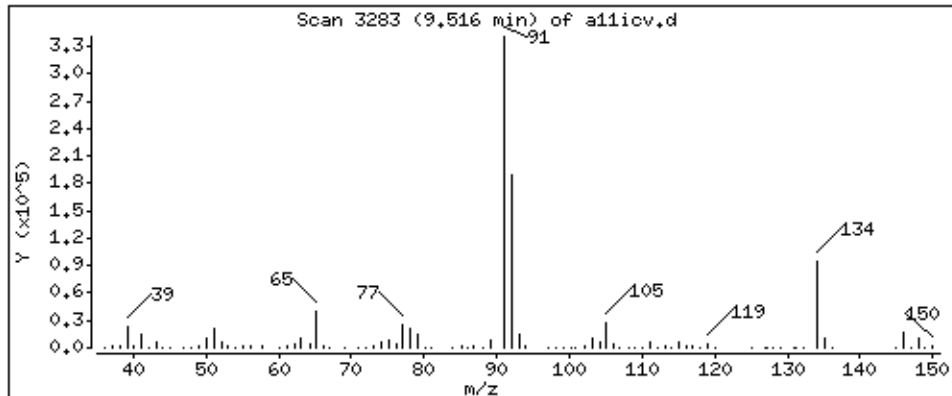
Operator: amv

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

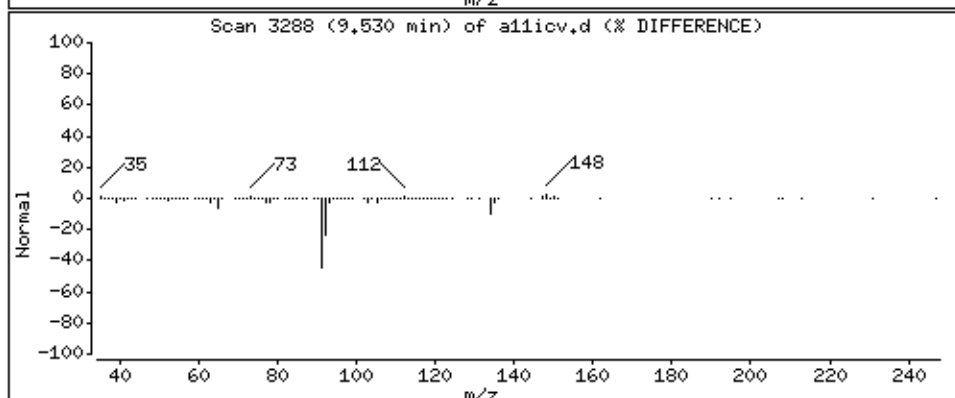
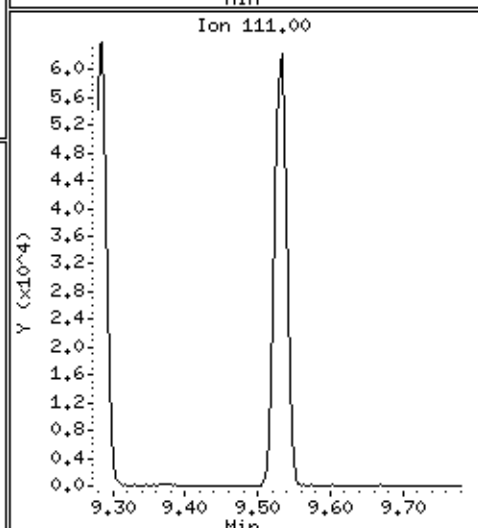
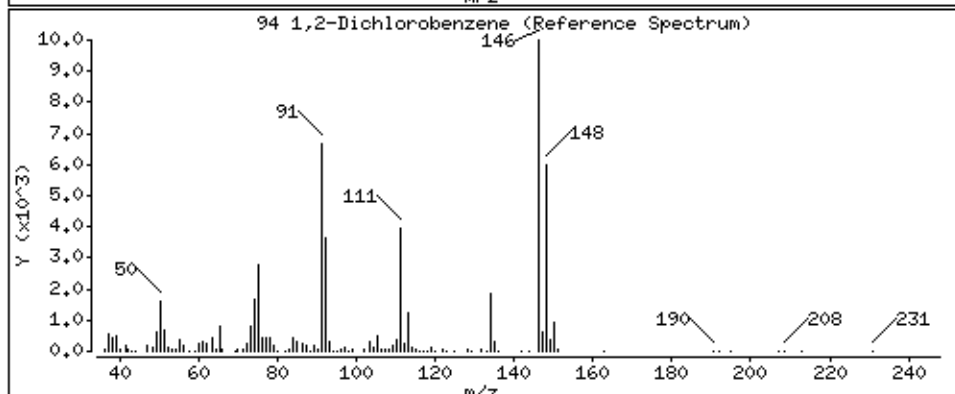
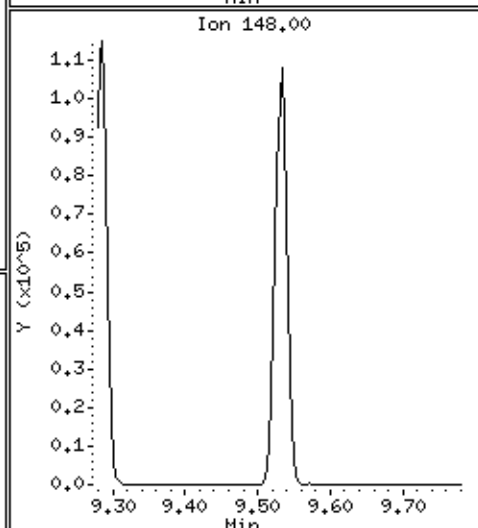
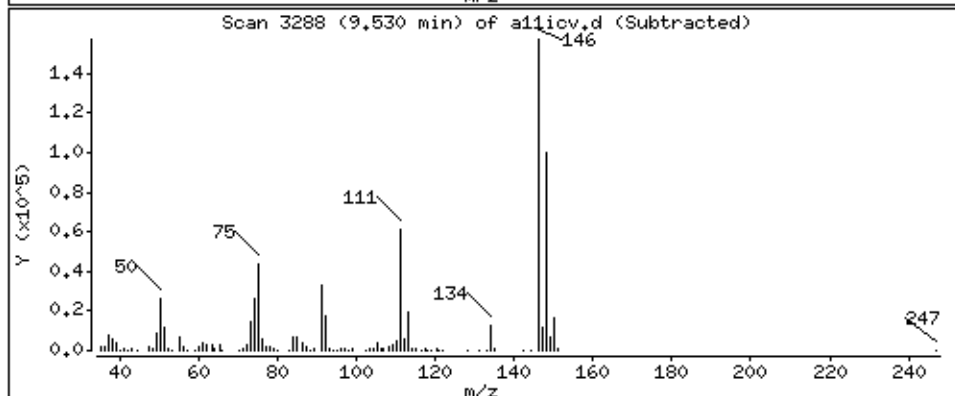
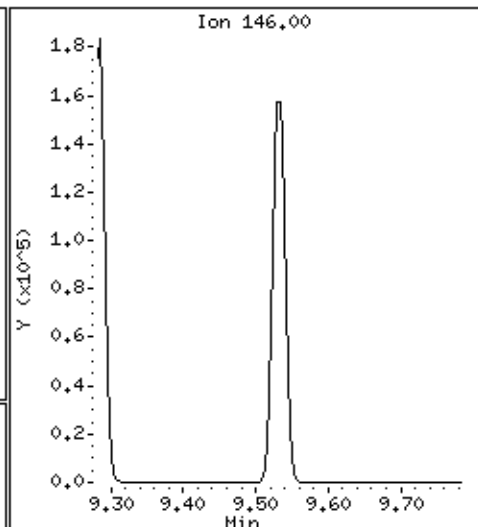
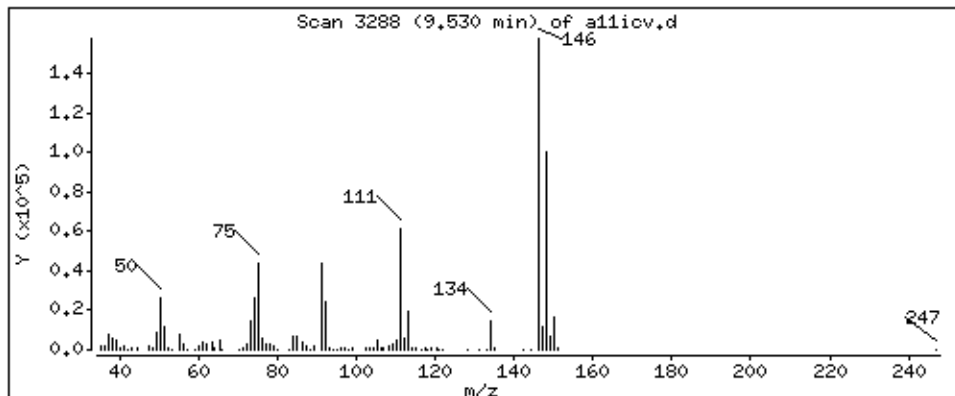
Operator: amv

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

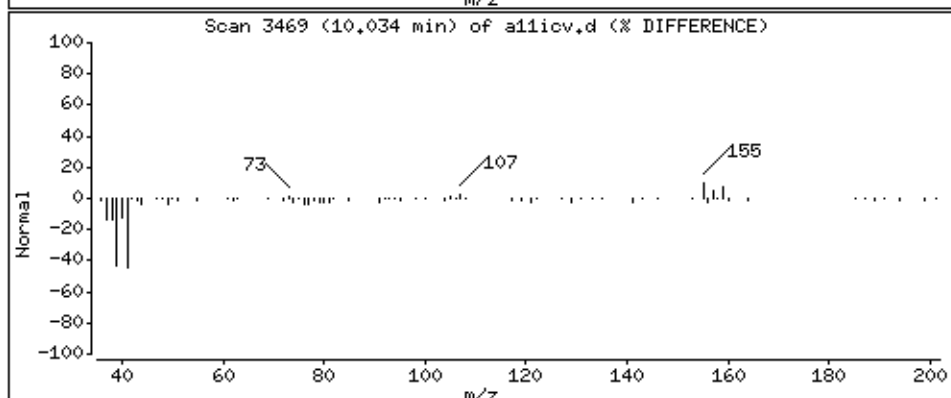
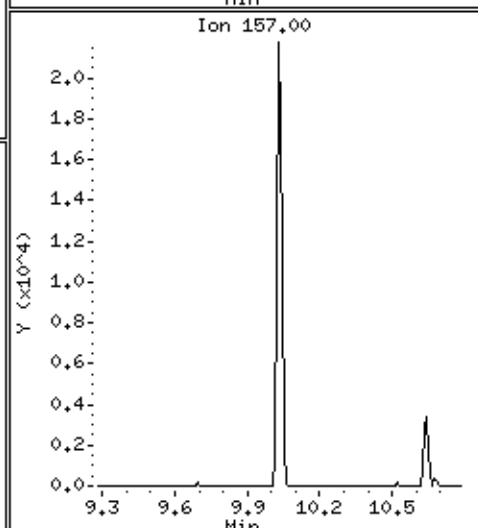
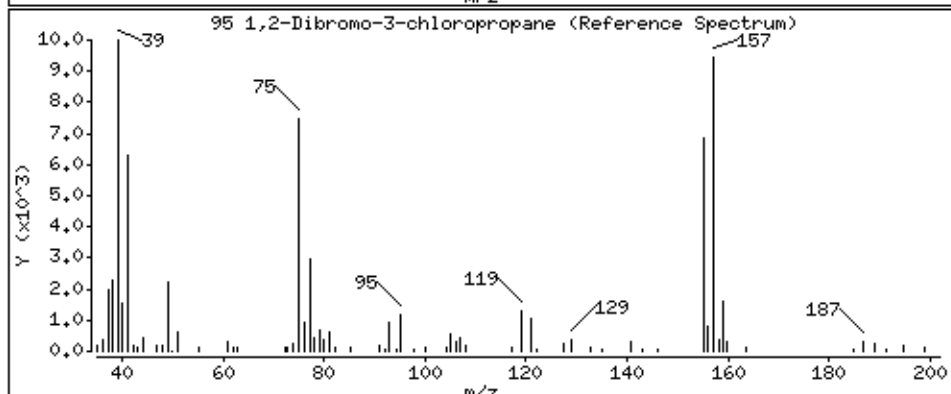
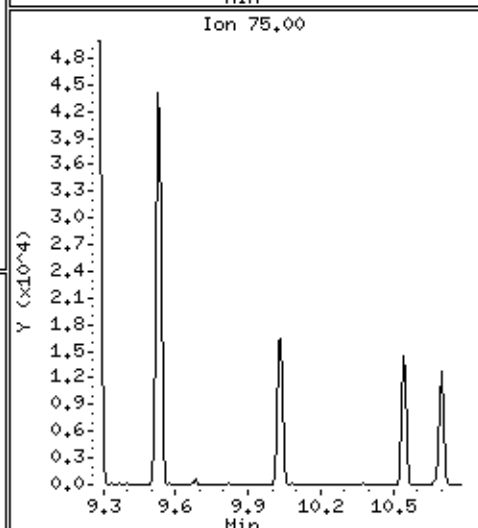
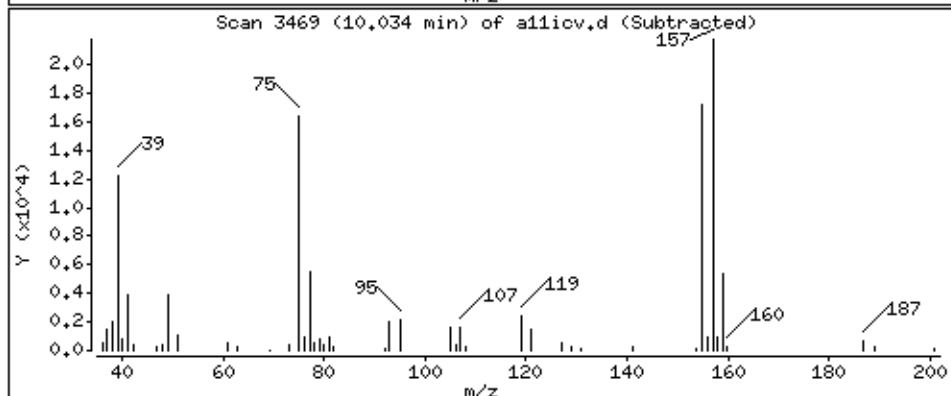
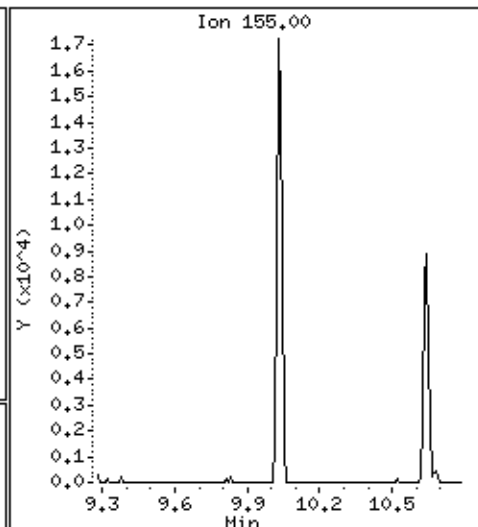
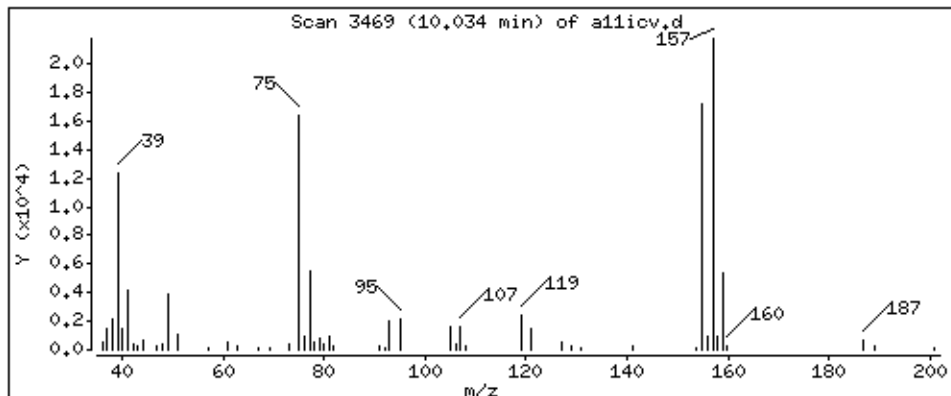
Operator: amv

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

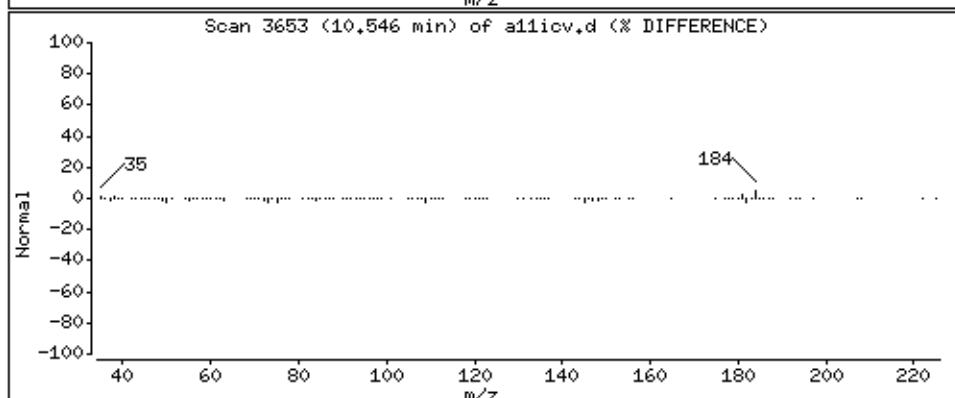
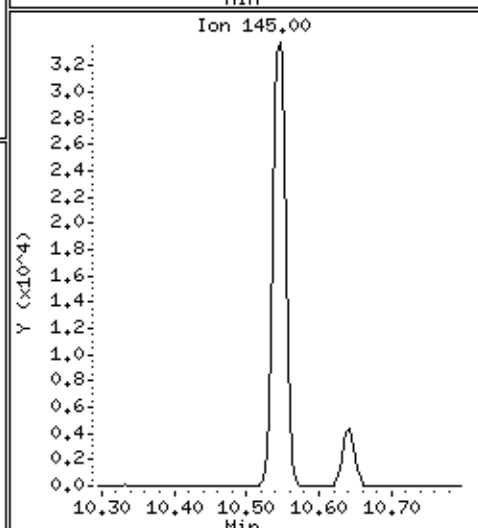
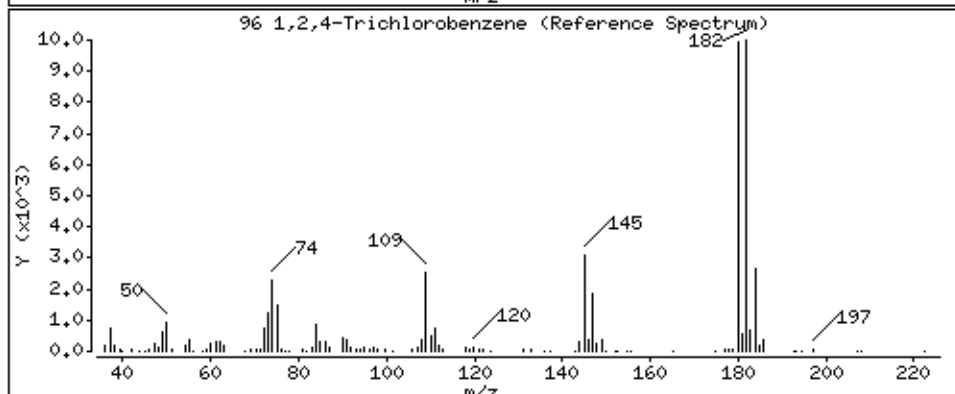
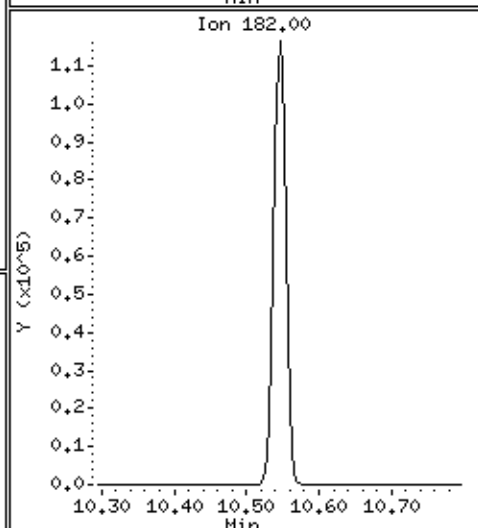
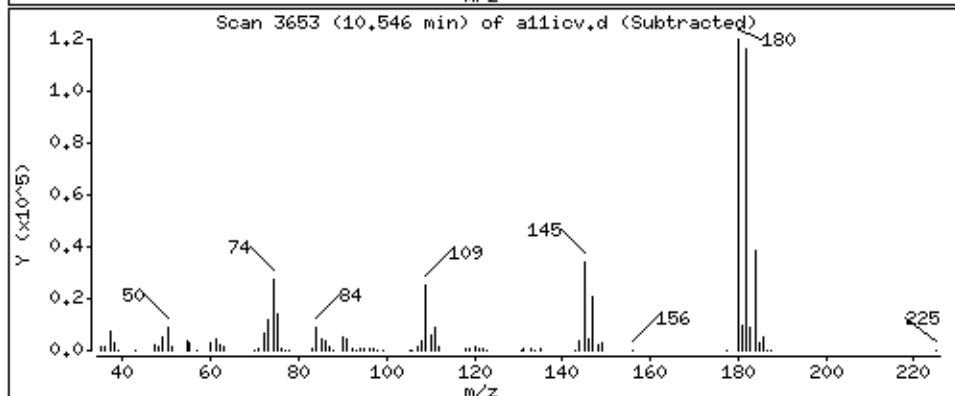
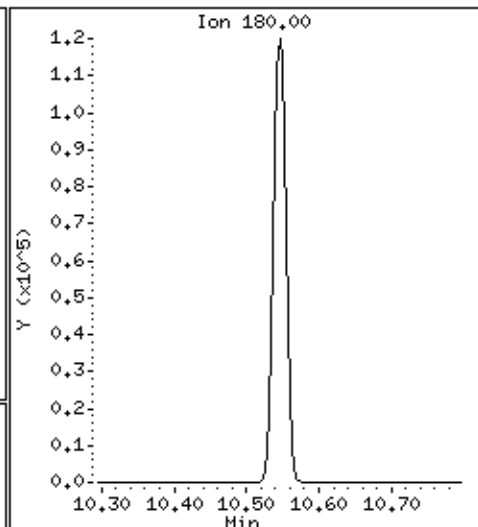
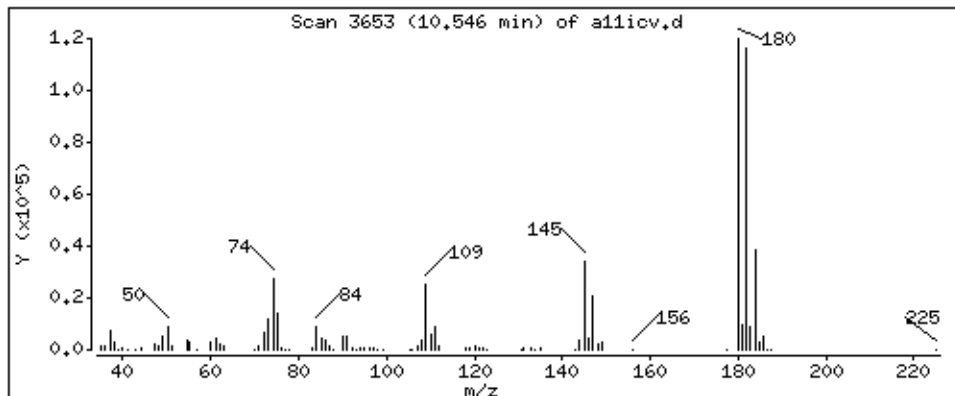
Operator: amv

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

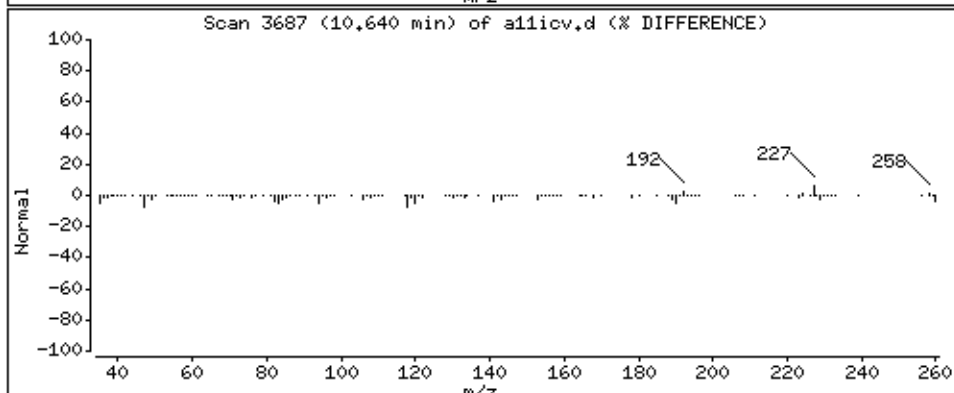
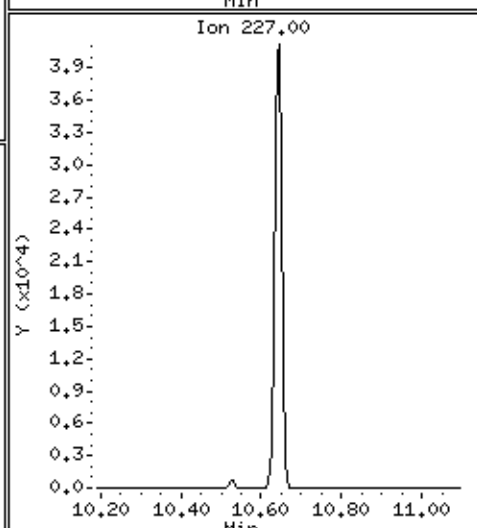
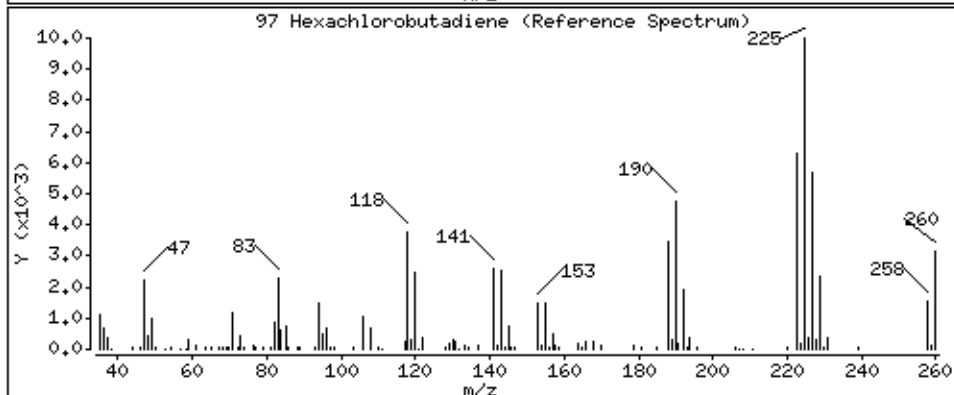
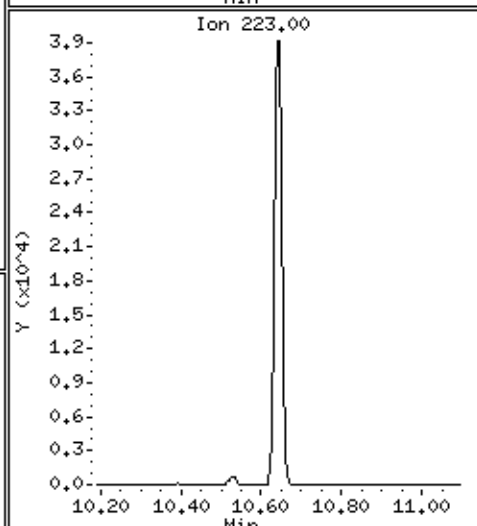
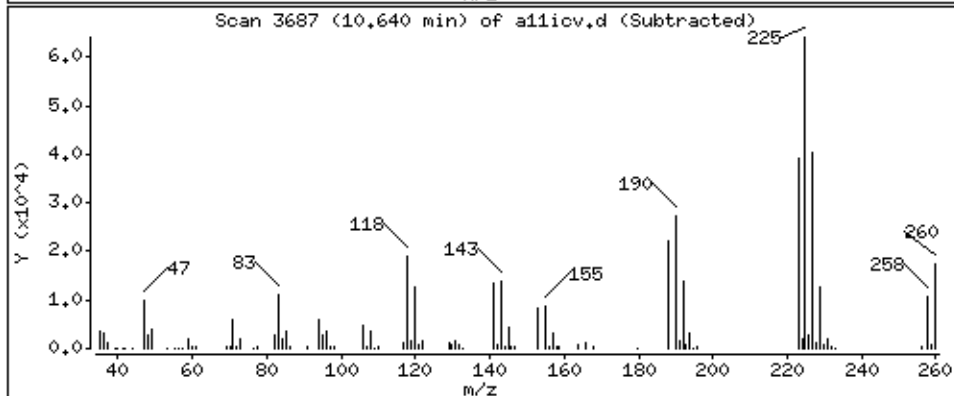
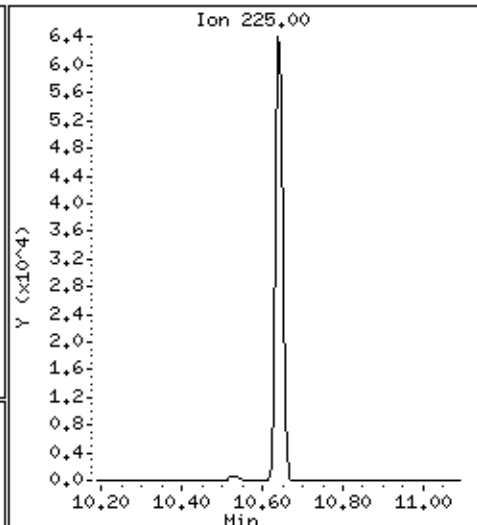
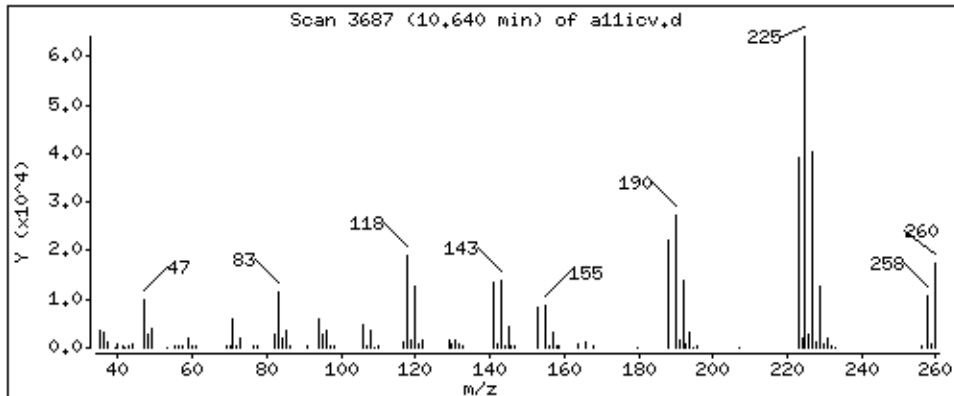
Operator: amv

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

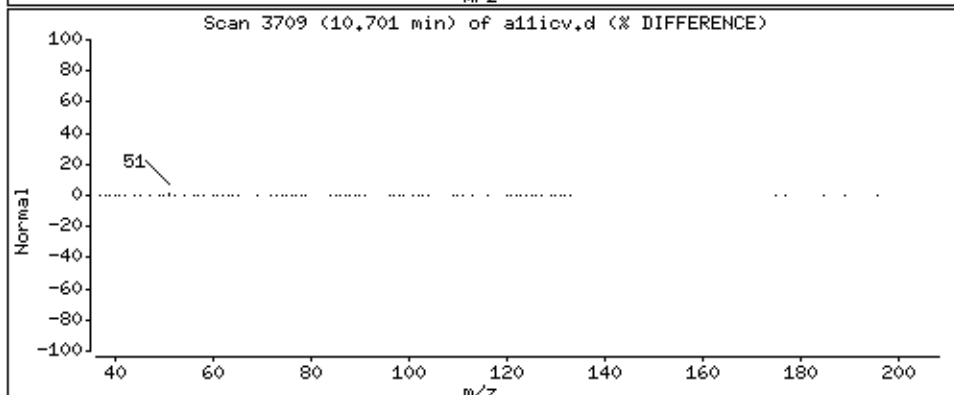
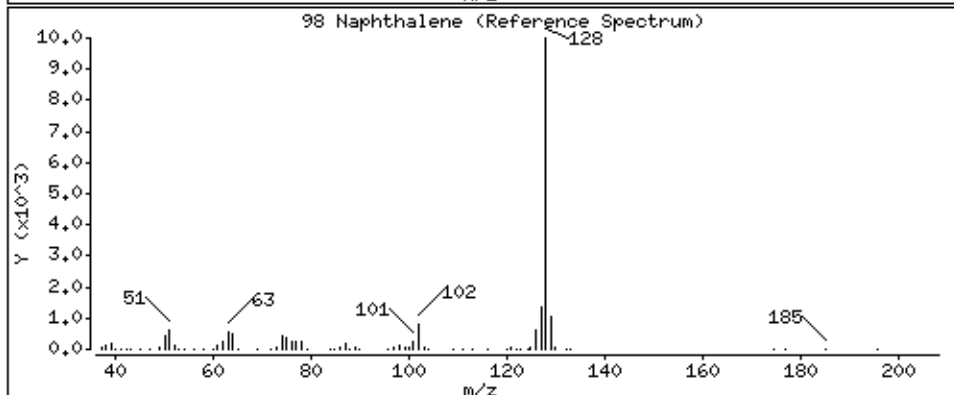
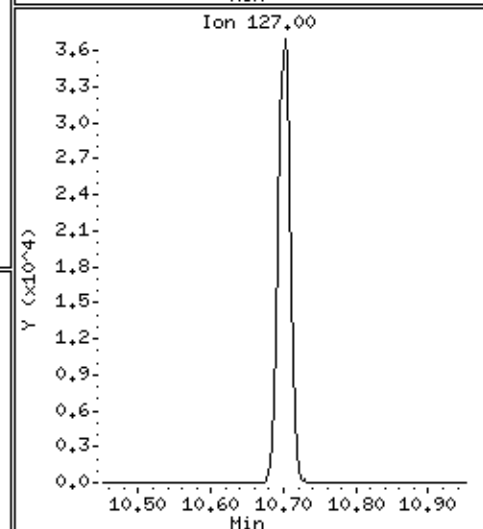
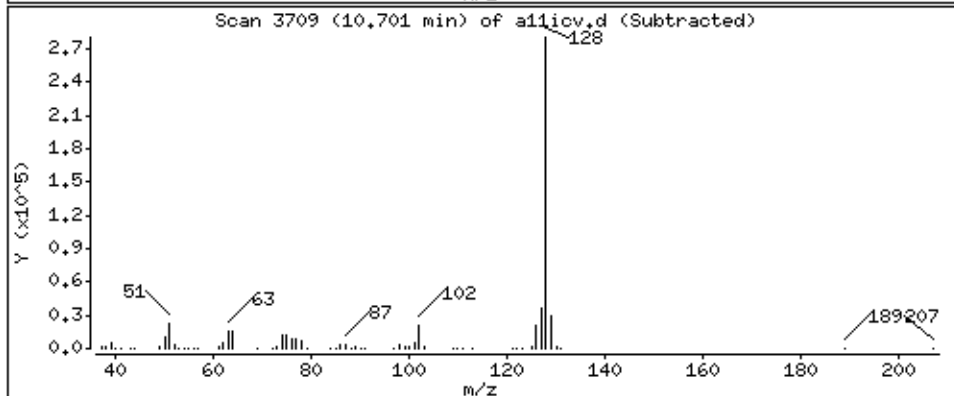
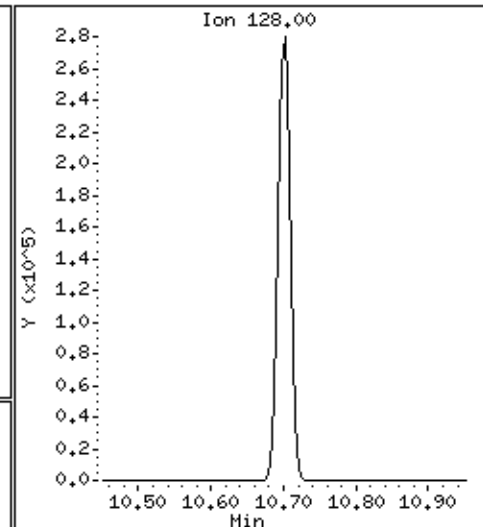
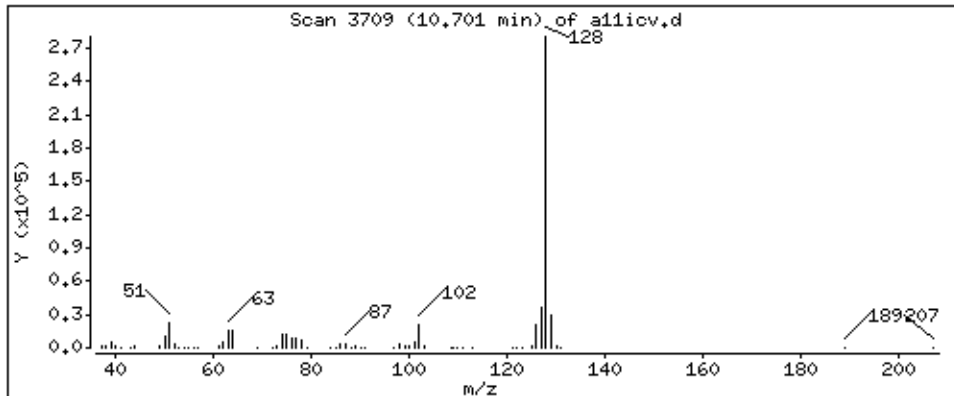
Operator: amv

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

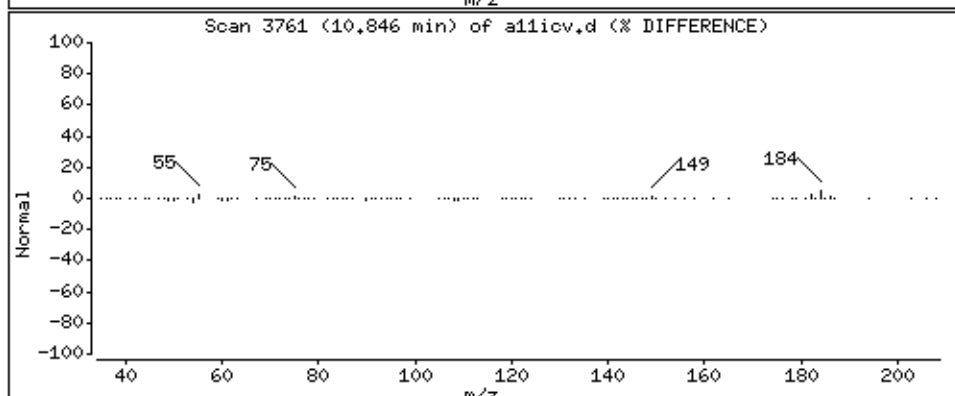
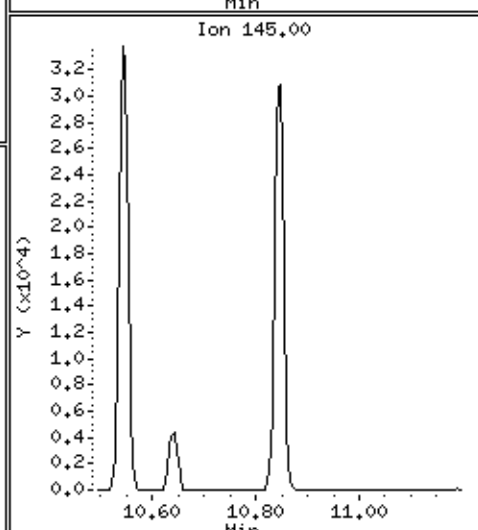
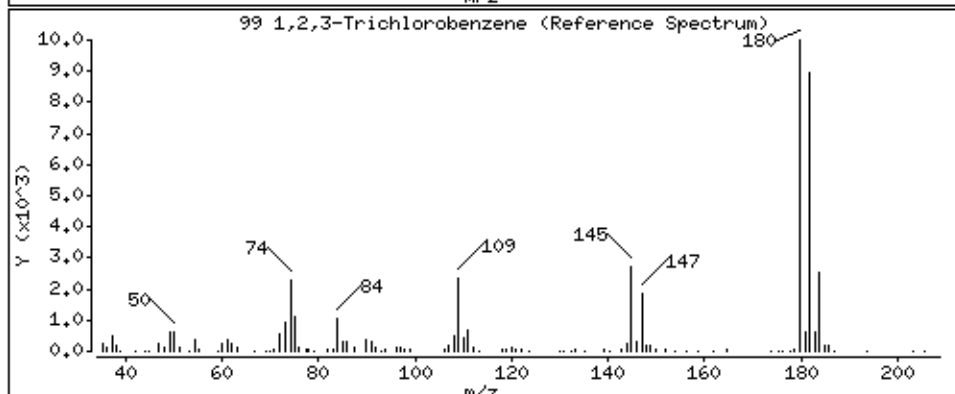
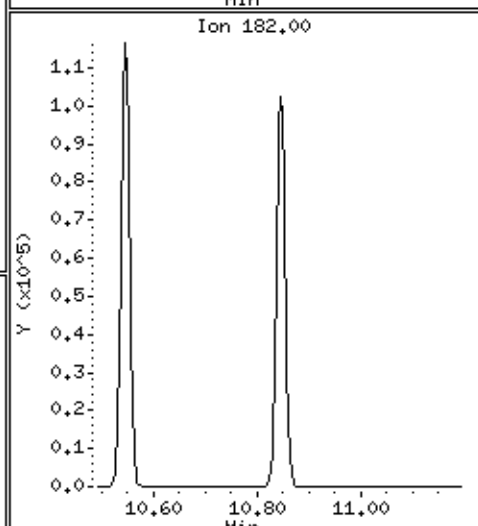
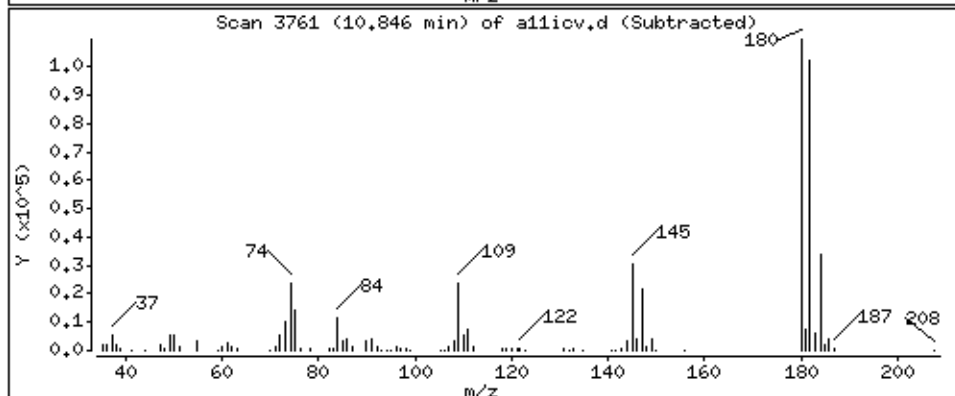
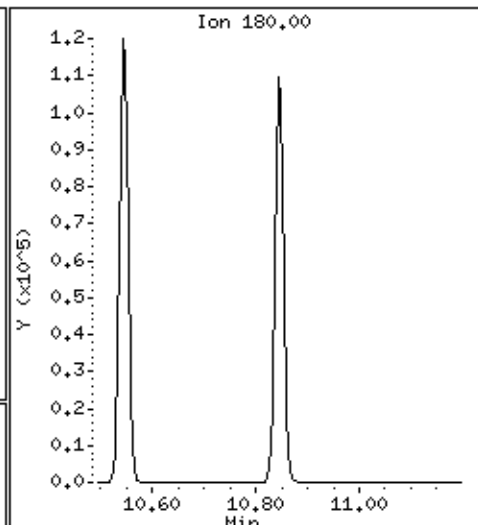
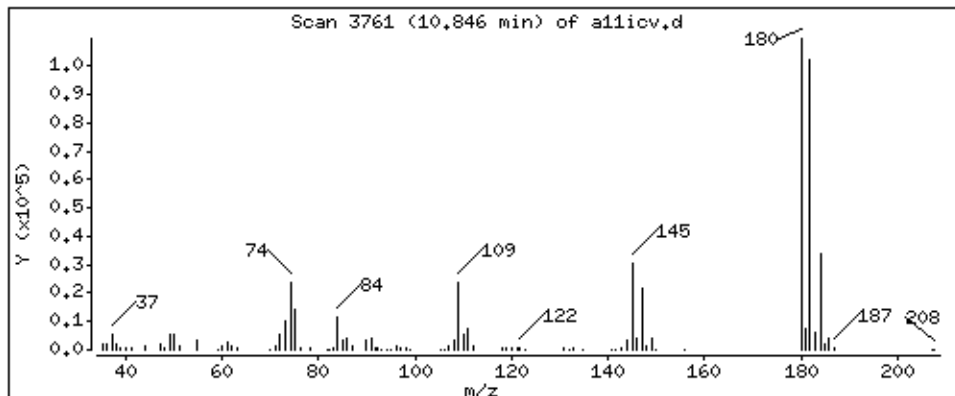
Operator: amv

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: 50mw2a.i

Sample Info: 8260-ICV,184427:5

Purge Volume: 5.0

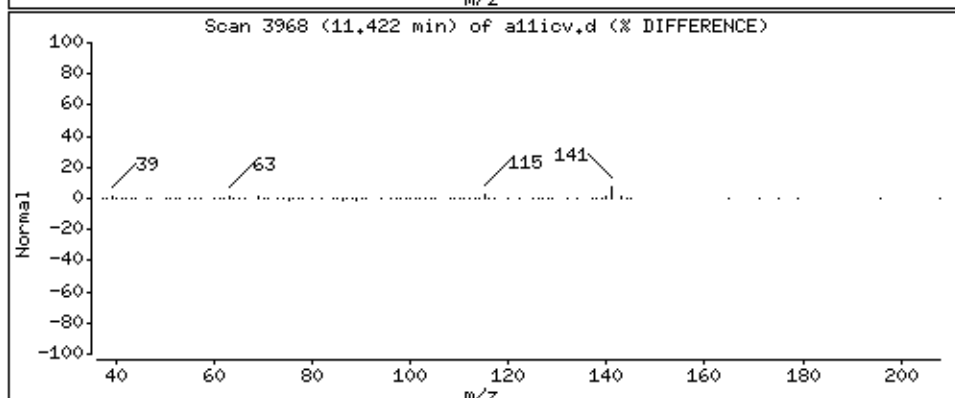
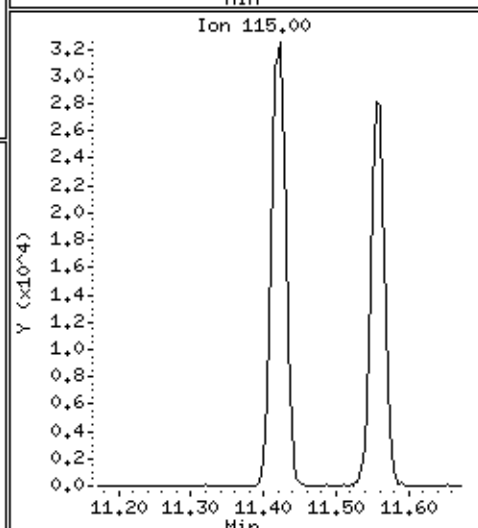
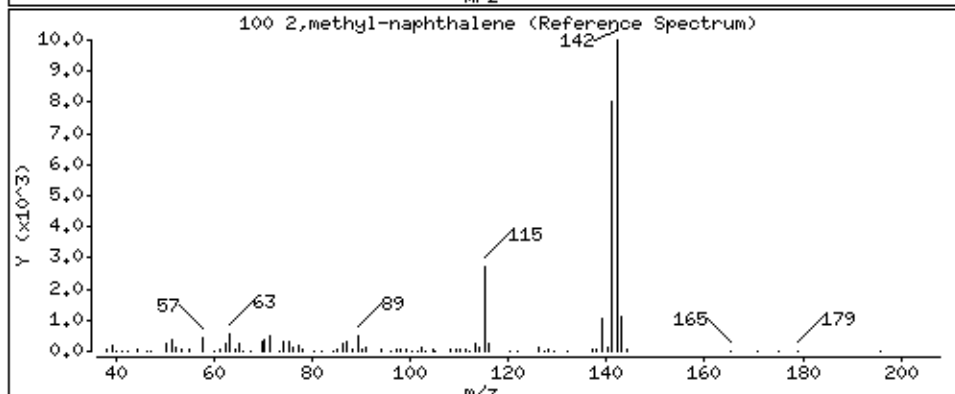
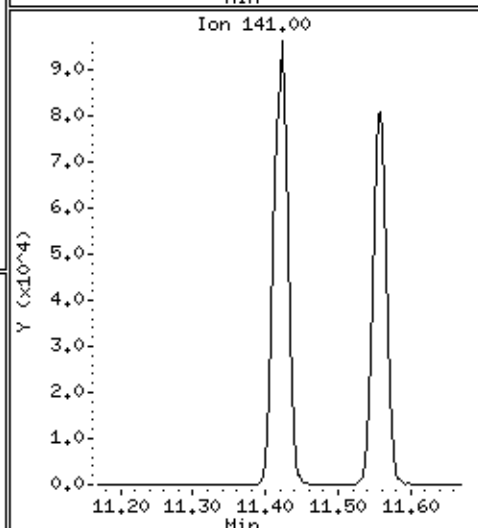
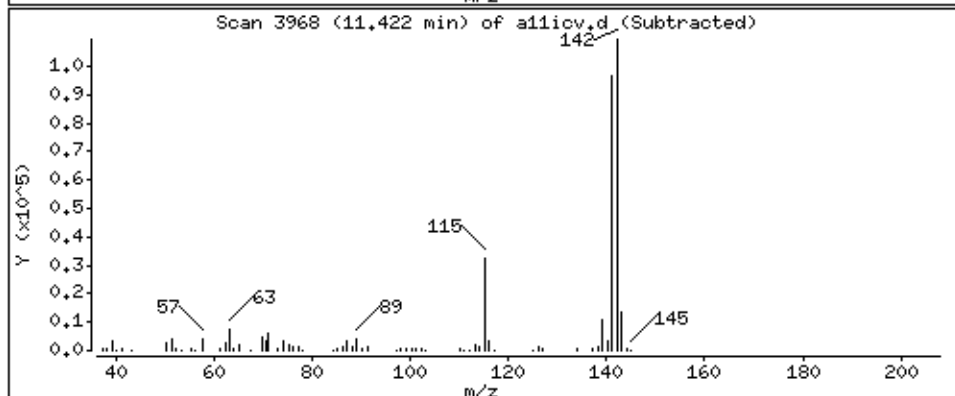
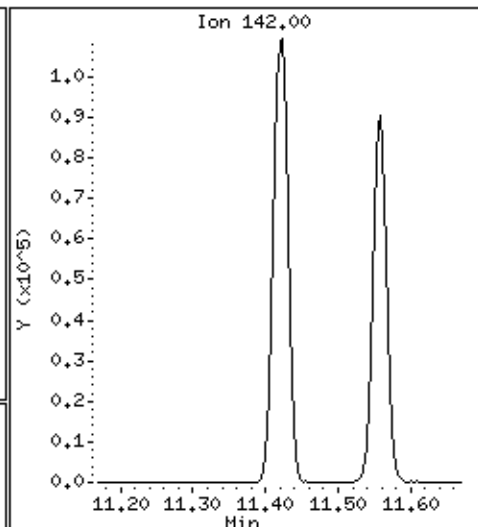
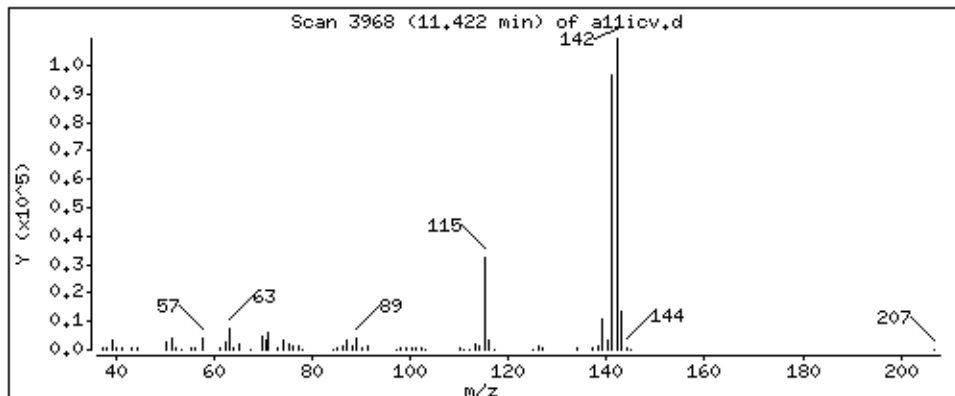
Operator: amv

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

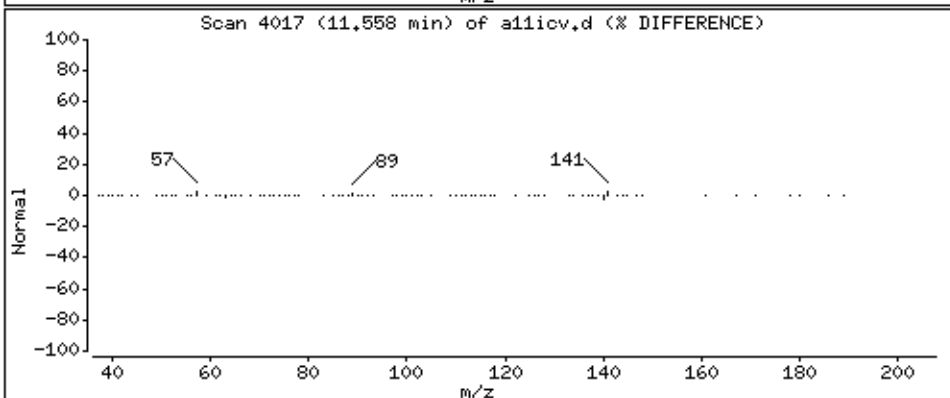
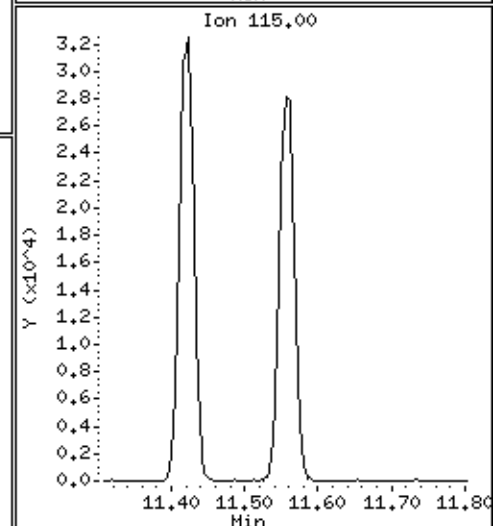
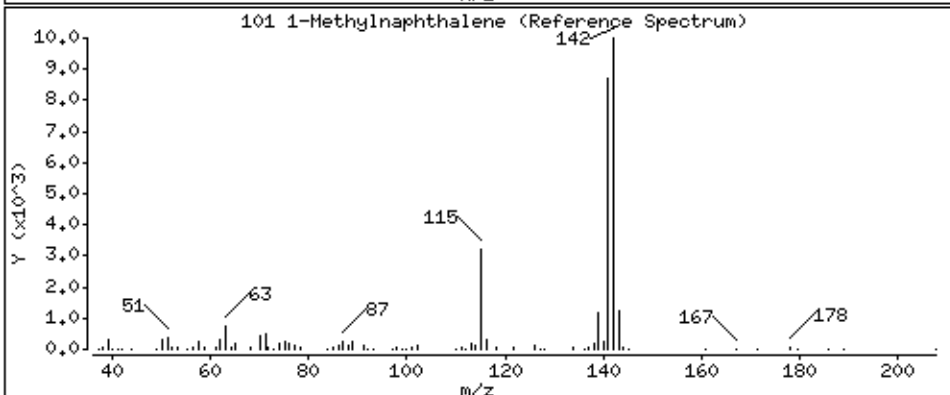
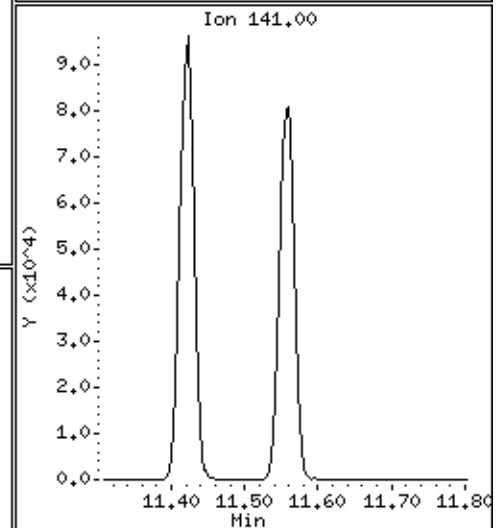
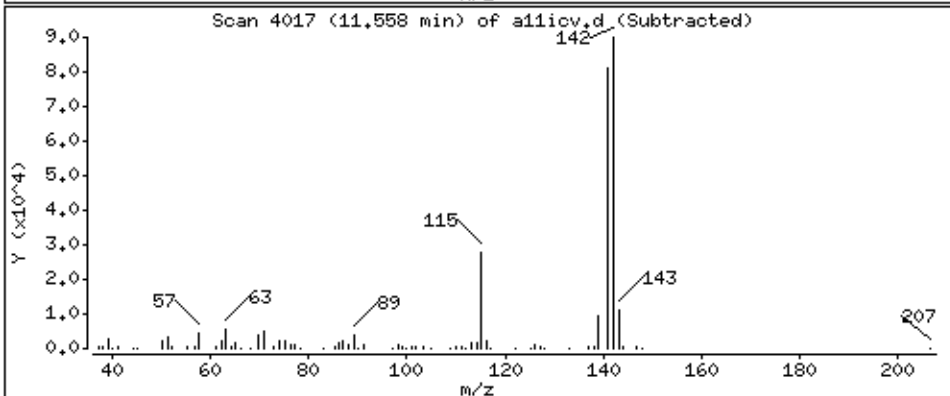
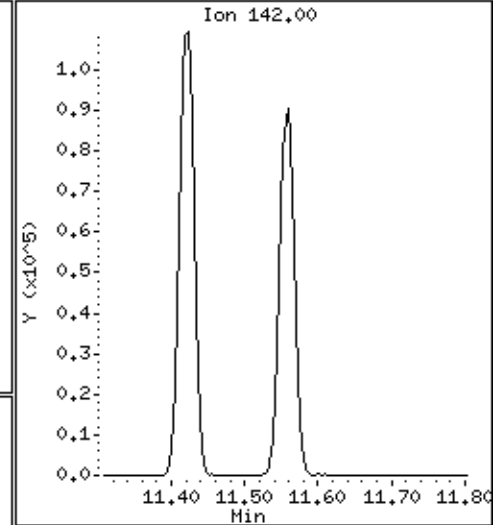
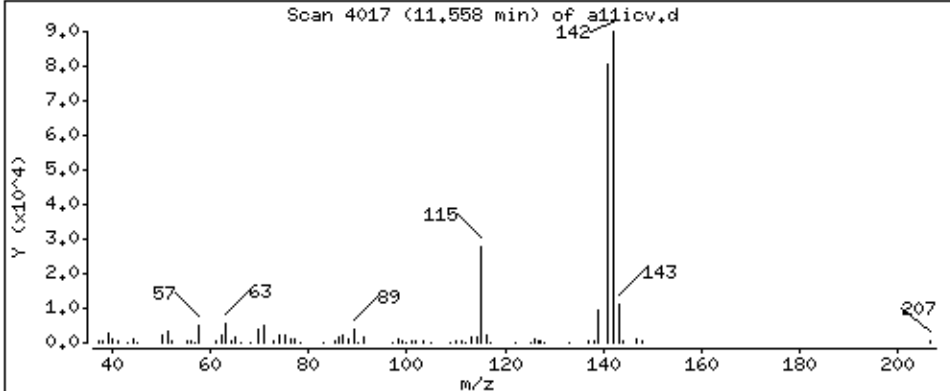
Operator: amv

Column phase: DB-624

Column diameter: 0.18

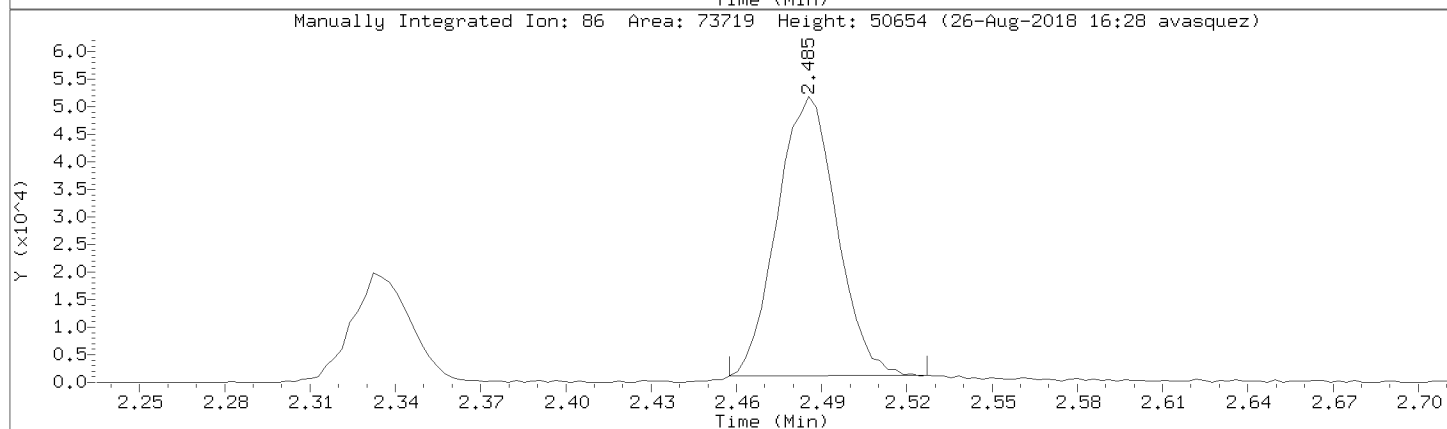
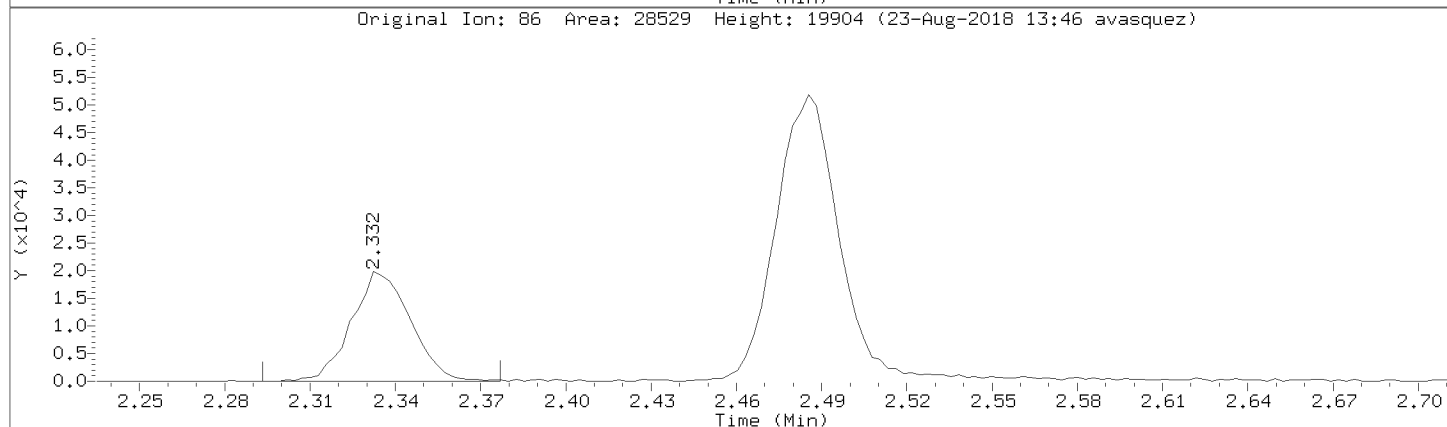
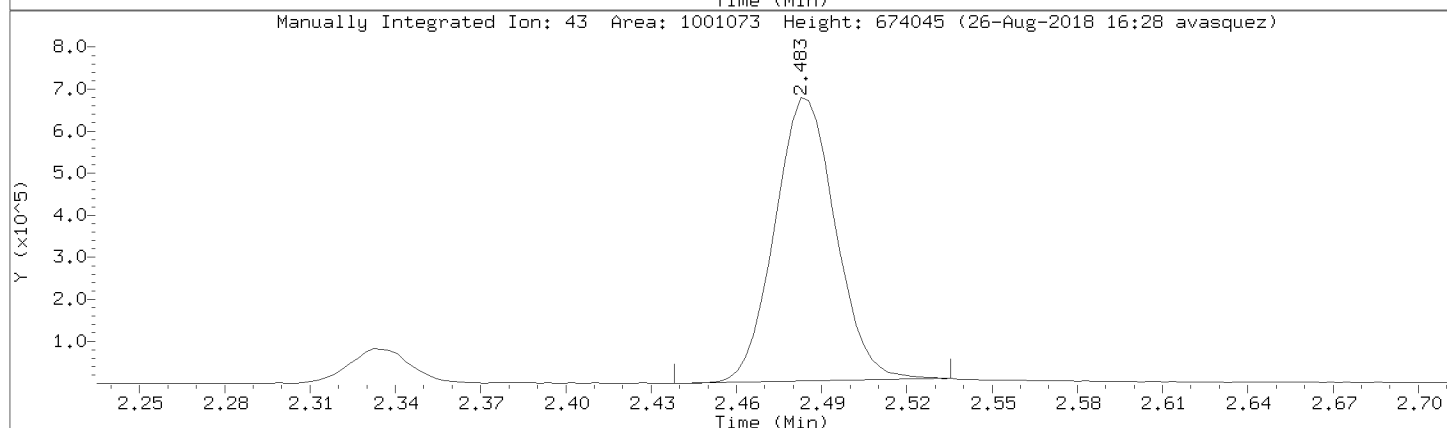
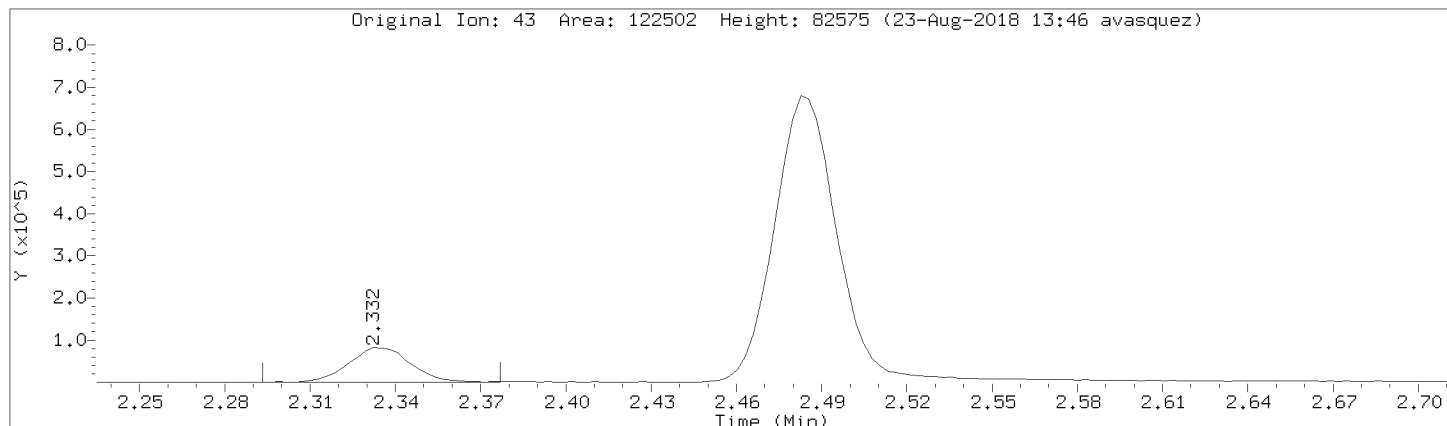
101 1-Methylnaphthalene

Concentration: 49.8 ppb



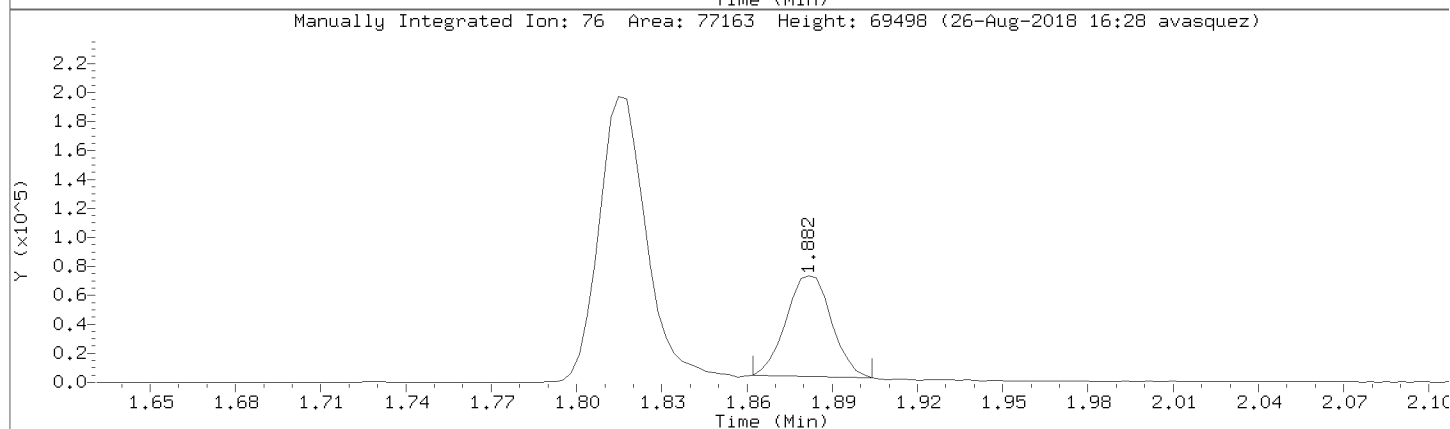
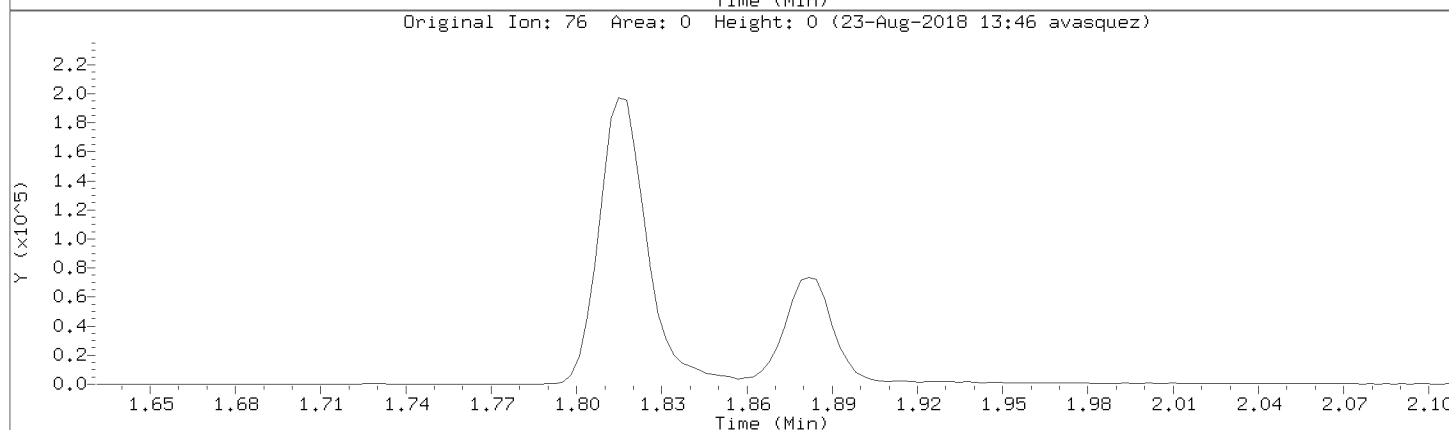
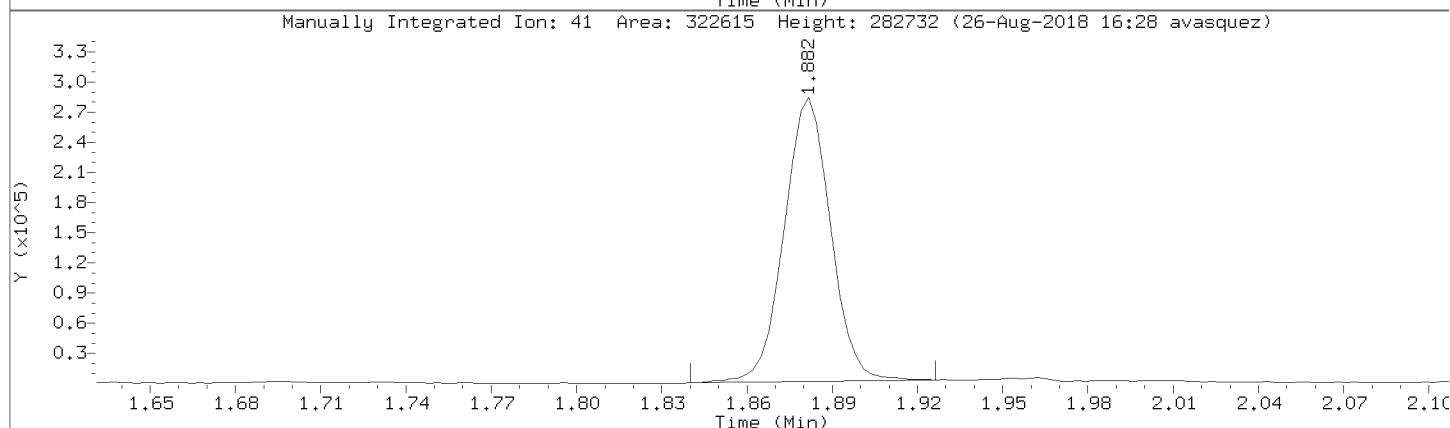
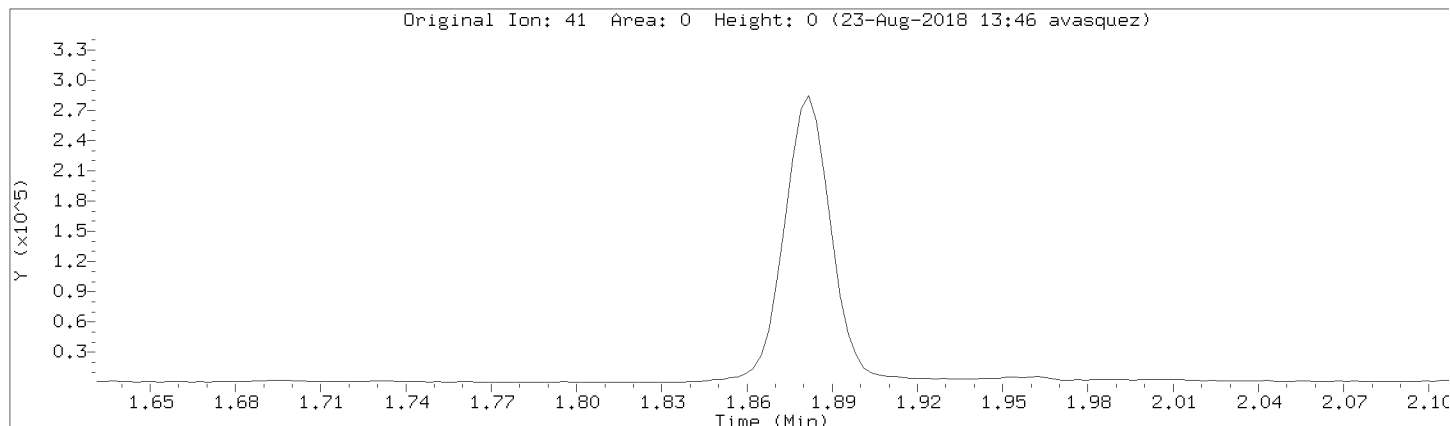
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Injection Date: 22-AUG-2018 19:13
Instrument: 50mv2a.i
Lab Sample ID: 8260-ICV

Compound: Vinyl Acetate Review Code: WP
CAS Number: 108-05-4



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: allyl chloride Review Code: NI
CAS Number: 107-05-1



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

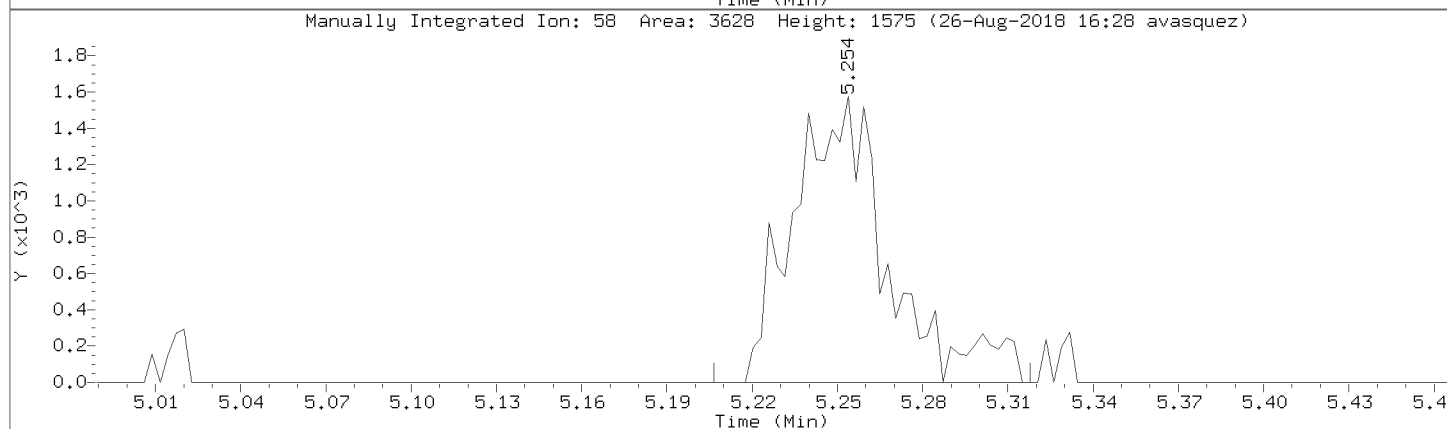
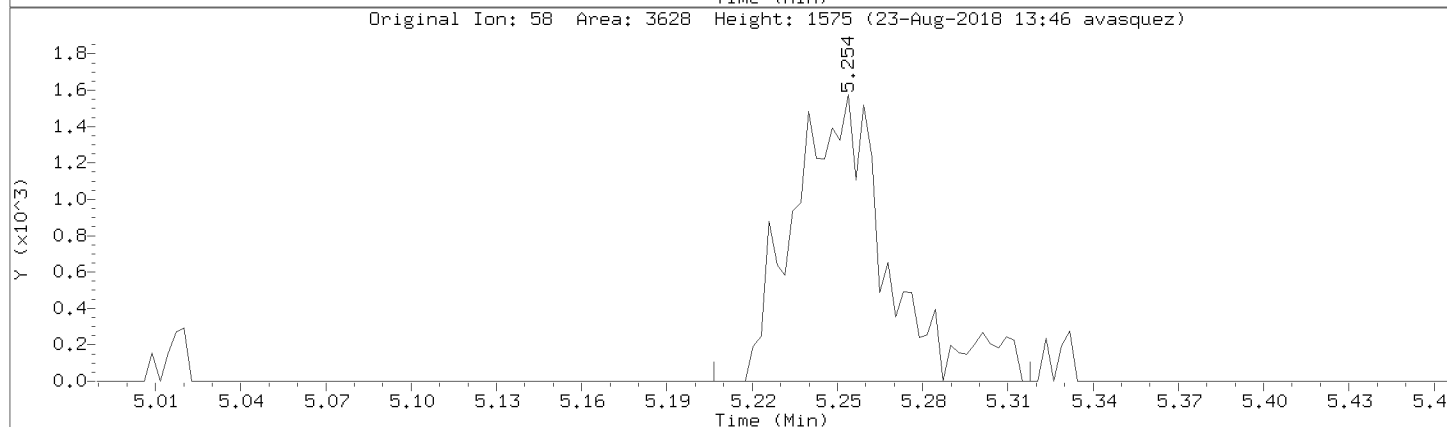
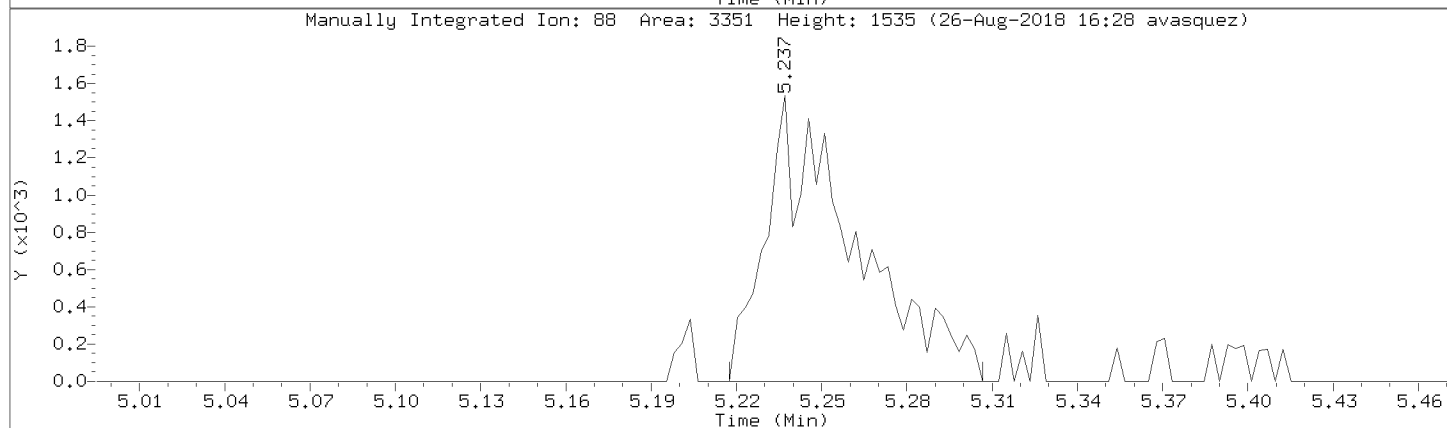
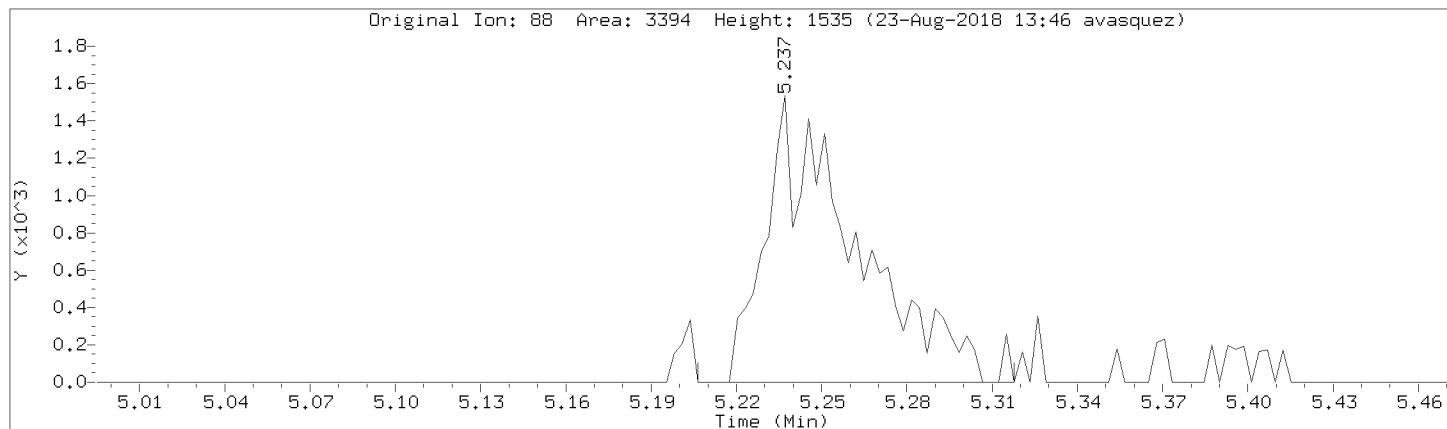
Injection Date: 22-AUG-2018 19:13

Instrument: 50mv2a.i

Lab Sample ID: 8260-ICV

Compound: 1,4-Dioxane Review Code:

CAS Number:



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\082818.b\c01ccv.d
 Lab Smp Id: 8260-CCV Client Smp ID: 8260-CCV
 Inj Date : 28-AUG-2018 21:53
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 8260-ccv,184315:0
 Misc Info : 117473
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\082818.b\08260_a_c.m
 Meth Date : 29-Aug-2018 12:20 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
 Processing Host: 50-VOA-AMV1

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)	75261	50.0000	39.2	
2 Chloromethane	50		1.030	1.033	(0.236)	65085	50.0000	39.8	
3 Vinyl Chloride	62		1.069	1.069	(0.245)	80656	50.0000	39.1	
4 Bromomethane	94		1.227	1.228	(0.282)	26979	50.0000	42.5	
5 Chloroethane	64		1.275	1.275	(0.292)	47932	50.0000	45.4	
6 Trichlorofluoromethane	101		1.400	1.400	(0.321)	102746	50.0000	42.0	
7 Diethyl ether	74		1.539	1.539	(0.353)	48001	50.0000	47.3	
8 1,2-dichlorotrifluoroethane	67		1.534	1.534	(0.352)	95001	50.0000	55.3	
9 Acrolein	56		1.611	1.612	(0.370)	350694	1000.00	896	
10 1,1,2trichlorotrifluoroethane	101		1.664	1.664	(0.382)	77886	50.0000	49.2	
11 1,1-Dichloroethene	96		1.673	1.673	(0.384)	75350	50.0000	47.2	
12 Acetone	43		1.692	1.692	(0.388)	113847	250.000	252	
13 Iodomethane	142		1.767	1.767	(0.405)	114678	100.000	63.8	
14 Carbon Disulfide	76		1.815	1.815	(0.416)	225630	50.0000	47.9	
15 Methyl Acetate	43		1.692	1.692	(0.388)	113847	50.0000	50.0	
16 Acetonitrile	39		1.878	1.881	(0.431)	188941	50.0000	37.2	
17 allyl chloride	41		1.878	1.879	(0.431)	303817	100.000	91.0	
18 Methylene Chloride	84		1.954	1.957	(0.448)	76827	50.0000	49.8	
19 tert-Butyl Alcohol	59		2.006	2.001	(0.460)	15634	100.000	109	
20 Acrylonitrile	53		2.112	2.112	(0.484)	139914	200.000	196	
21 Methyl-tert-butyl ether	73		2.132	2.132	(0.489)	240922	50.0000	49.1	
22 1,2-Dichloroethene (trans)	96		2.137	2.140	(0.490)	84425	50.0000	48.3	

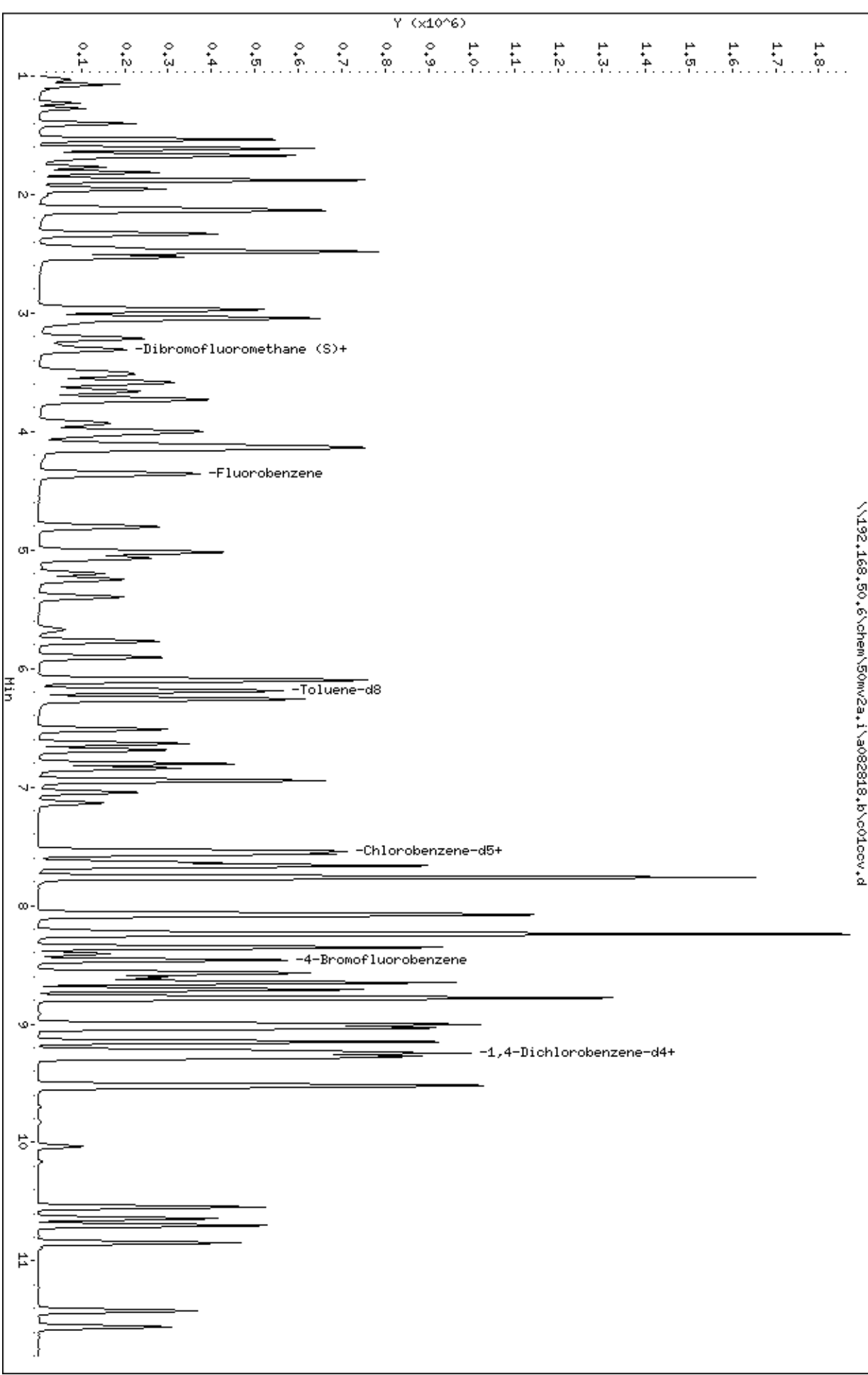
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
23 n-Hexane	57	2.332	2.332	(0.535)	152329	50.0000	44.8	
24 Vinyl Acetate	43	2.482	2.482	(0.569)	923706	200.000	170	
25 1,1-Dichloroethane	63	2.452	2.452	(0.562)	166573	50.0000	50.2	
26 Chloroprene	53	2.527	2.527	(0.580)	170992	50.0000	45.4	
27 Ethyl acetate	88	2.527	2.527	(0.580)	79180	400.000	415	
28 2-Butanone	72	2.980	2.980	(0.684)	42562	250.000	266	
29 1,2-Dichloroethene (cis)	96	2.966	2.969	(0.680)	91630	50.0000	47.4	
30 2,2-Dichloropropane	77	2.966	2.967	(0.680)	113404	50.0000	39.6	
31 Propionitrile	54	3.050	3.047	(0.699)	12335	50.0000	52.7	
32 Methacrylonitrile	41	3.208	3.211	(0.736)	63747	50.0000	48.8	
33 Bromochloromethane	49	3.214	3.217	(0.737)	69647	50.0000	45.3	
34 Tetrahydrofuran	42	3.267	3.270	(0.749)	30344	50.0000	49.3	
35 Chloroform	83	3.309	3.309	(0.759)	148975	50.0000	45.1	
\$ 36 Dibromofluoromethane (S)	113	3.495	3.501	(0.802)	81137	50.0000	51.6	
37 1,1,1-Trichloroethane	97	3.523	3.520	(0.808)	144401	50.0000	50.7	
38 cyclohexane	56	3.587	3.587	(0.823)	178268	50.0000	45.6	
150 n-butyl chloride	56	3.587	3.587	(0.823)	183147	50.0000	39.4	
39 Carbon Tetrachloride	117	3.726	3.726	(0.855)	124186	50.0000	48.6	
40 1,1-Dichloropropene	75	3.731	3.734	(0.856)	117197	50.0000	48.7	
41 Benzene	78	3.999	4.002	(0.917)	341312	50.0000	49.8	
42 1,2-Dichloroethane	62	4.026	4.029	(0.923)	115797	50.0000	46.1	
43 2,2,4-Trimethylpentane	57	4.118	4.116	(0.944)	365944	50.0000	46.1	
44 Isobutyl alcohol	43	3.923	3.932	(0.900)	31425	450.000	644	
* 45 Fluorobenzene	96	4.360	4.360	(1.000)	352291	50.0000		
47 Trichloroethene	95	4.805	4.803	(1.102)	89679	50.0000	48.0	
48 Methylcyclohexane	55	5.017	5.020	(1.151)	159228	50.0000	48.4	
49 1,2-Dichloropropane	63	5.067	5.067	(1.162)	97552	50.0000	53.6	
50 1,4-Dioxane	88	5.245	5.245	(1.203)	7714	1000.00	1380	
51 Dibromomethane	93	5.198	5.198	(1.192)	50438	50.0000	52.9	
52 Methyl methacrylate	69	5.248	5.245	(1.204)	64805	50.0000	47.1	
53 Bromodichloromethane	83	5.398	5.398	(1.238)	117044	50.0000	47.0	
54 2-Chloroethyl vinyl ether	63	5.768	5.768	(0.765)	105327	100.000	73.5	
55 cis-1,3-Dichloropropene	75	5.904	5.905	(0.783)	134645	50.0000	43.1	
56 4-Methyl-2-Pentanone	43	6.096	6.097	(0.809)	523706	250.000	217	
\$ 57 Toluene-d8	98	6.188	6.188	(0.821)	336342	50.0000	46.9	
58 Toluene	91	6.258	6.261	(0.830)	386524	50.0000	43.8	
59 trans-1,3-Dichloropropene	75	6.514	6.514	(0.864)	127100	50.0000	43.4	
60 Ethyl Methacrylate	69	6.633	6.631	(0.880)	130499	50.0000	47.8	
61 1,1,2-Trichloroethane	83	6.689	6.686	(0.887)	61998	50.0000	48.0	
62 Tetrachloroethene	166	6.803	6.806	(0.902)	109028	50.0000	46.0	
63 1,3-Dichloropropane	76	6.842	6.842	(0.907)	135818	50.0000	47.2	
64 2-Hexanone	43	6.945	6.948	(0.921)	370674	250.000	217	
65 Dibromochloromethane	129	7.045	7.045	(0.934)	91485	50.0000	47.4	
66 1,2-Dibromoethane	107	7.134	7.134	(0.946)	78534	50.0000	48.8	
* 67 Chlorobenzene-d5	117	7.540	7.541	(1.000)	293553	50.0000		
68 Chlorobenzene	112	7.565	7.566	(1.003)	253332	50.0000	49.7	
69 1,1,1,2-Tetrachloroethane	131	7.638	7.641	(1.013)	92008	50.0000	46.6	
70 Ethylbenzene	106	7.663	7.666	(1.016)	141477	50.0000	47.7	
71 m&p-Xylene	106	7.760	7.763	(1.029)	352278	100.000	95.4	
72 o-Xylene	106	8.069	8.069	(1.070)	165380	50.0000	49.0	
73 Styrene	104	8.083	8.083	(1.072)	278056	50.0000	48.5	
74 Bromoform	173	8.219	8.219	(0.887)	62410	50.0000	45.3	
75 Isopropylbenzene	105	8.353	8.353	(1.108)	444866	50.0000	46.0	
\$ 76 4-Bromofluorobenzene	95	8.461	8.461	(1.122)	136970	50.0000	49.8	

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	8.242	(1.093)	251378	200.000	182	
78 Bromobenzene	77	8.564	8.564	(1.136)	158312	50.0000	46.9	
79 1,1,2,2-Tetrachloroethane	83	8.575	8.578	(0.925)	99761	50.0000	45.4	
80 trans-1,4-Dichloro-2-butene	53	8.617	8.617	(1.143)	27354	50.0000	34.6	
81 1,2,3-Trichloropropane	110	8.603	8.603	(0.928)	31433	50.0000	45.6	
82 n-Propylbenzene	91	8.650	8.651	(0.933)	517882	50.0000	47.3	
83 2-Chlorotoluene	91	8.706	8.709	(0.939)	296488	50.0000	49.5	
84 1,3,5-Trimethylbenzene	105	8.776	8.776	(0.947)	350031	50.0000	46.3	
85 4-Chlorotoluene	126	8.787	8.787	(0.948)	105517	50.0000	50.6	
86 tert-Butylbenzene	119	9.001	9.001	(0.971)	411027	50.0000	46.8	
87 1,2,4-Trimethylbenzene	105	9.032	9.035	(0.974)	346655	50.0000	45.8	
88 sec-Butylbenzene	105	9.151	9.149	(0.987)	459361	50.0000	47.0	
89 1,3-Dichlorobenzene	146	9.224	9.224	(0.995)	196832	50.0000	47.8	
90 p-Isopropyltoluene	119	9.246	9.246	(0.998)	400611	50.0000	49.0	
* 91 1,4-Dichlorobenzene-d4	152	9.268	9.268	(1.000)	152142	50.0000		
92 1,4-Dichlorobenzene	146	9.285	9.285	(1.002)	197279	50.0000	47.6	
93 n-Butylbenzene	91	9.516	9.516	(1.027)	355523	50.0000	46.2	
94 1,2-Dichlorobenzene	146	9.532	9.530	(1.029)	176876	50.0000	48.1	
95 1,2-Dibromo-3-chloropropane	155	10.033	10.033	(1.083)	16554	50.0000	44.5	
96 1,2,4-Trichlorobenzene	180	10.545	10.545	(1.138)	122984	50.0000	46.5	
97 Hexachlorobutadiene	225	10.643	10.640	(1.148)	63555	50.0000	46.4	
98 Naphthalene	128	10.701	10.698	(1.155)	302843	50.0000	49.4	
99 1,2,3-Trichlorobenzene	180	10.846	10.843	(1.170)	112693	50.0000	47.5	
100 2,methyl-naphthalene	142	11.422	11.419	(1.232)	155089	50.0000	49.2	
101 1-Methylnaphthalene	142	11.558	11.555	(1.247)	126763	50.0000	50.0	

Data File: \\192.168.50.6\chem\50mw2a.1\A082818.b\c01cov.d
Date: 28-AUG-2018 21:53
Client ID: 8260-CCV
Sample Info: 8260-CCV,184315;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\A082818.b\c01cov.d



Data File: \\192.168.50.6\chem\50mv2a.i\a082818.b/c01ccv.d
Injection Date: 28-AUG-2018 21:53
Instrument: 50mv2a.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

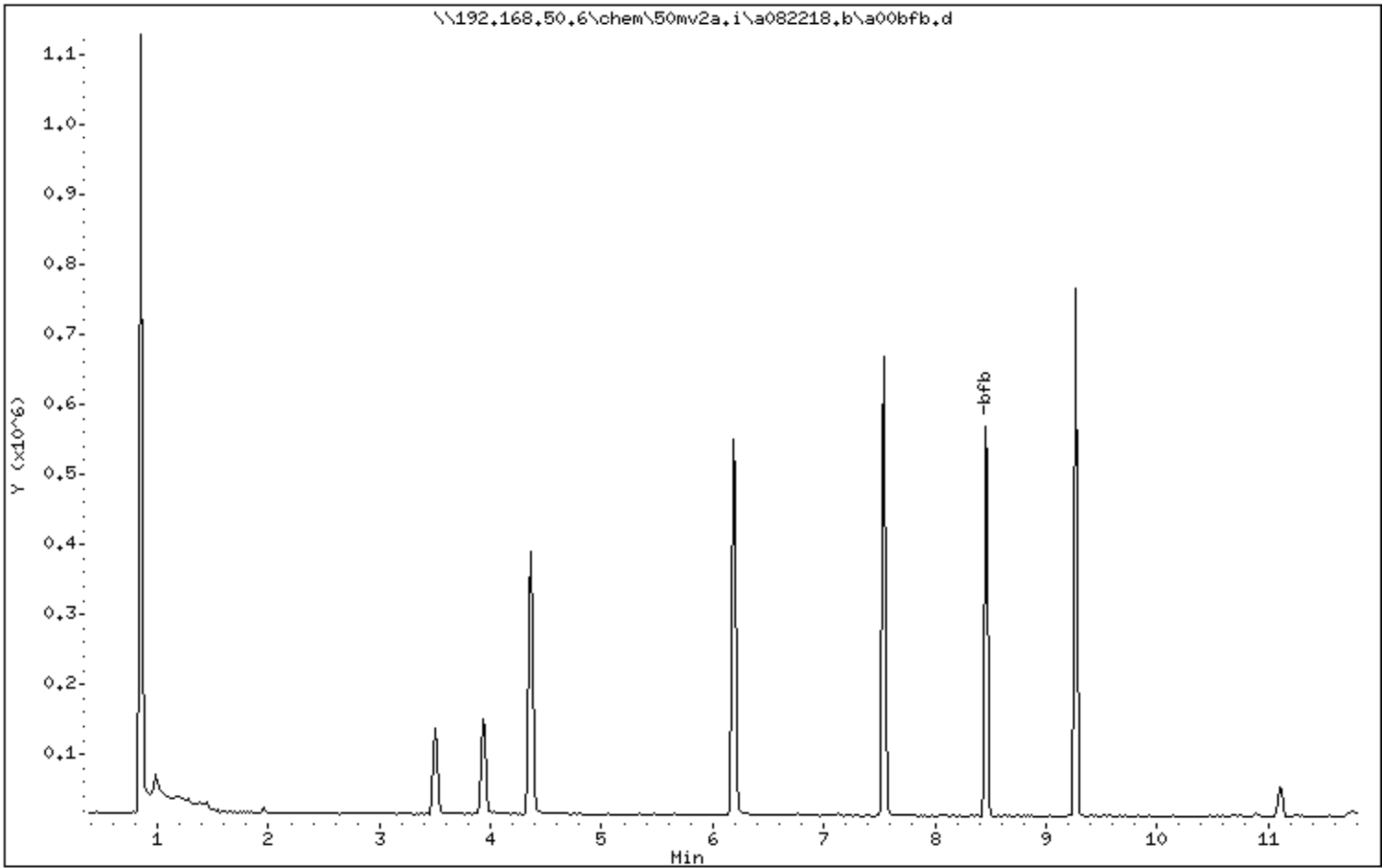
Sample Info: 8260-TUNE,182982;0

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

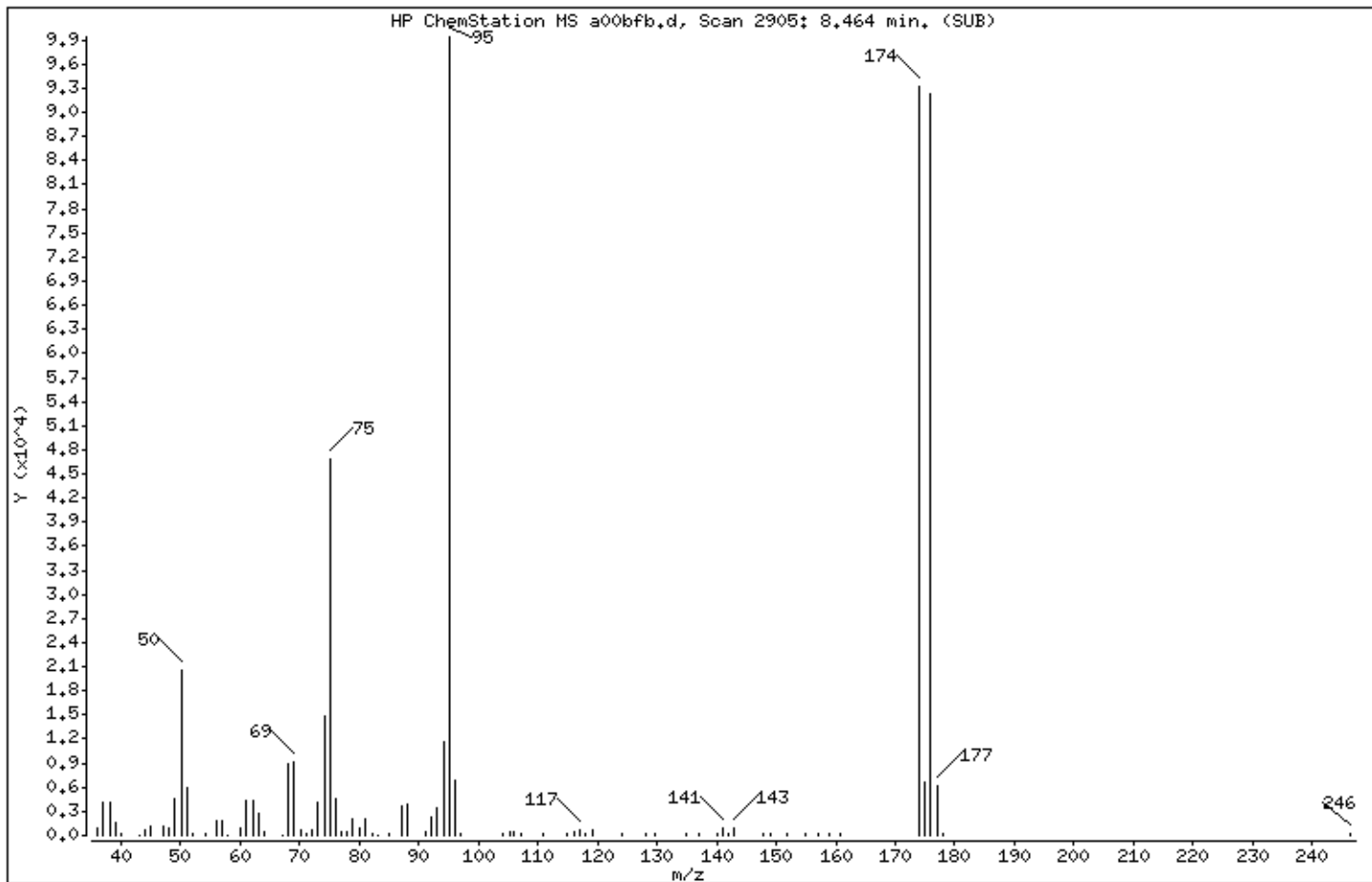
Volume Injected (uL): 5.0

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

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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 : 28-AUG-2018 21:29

Client ID: 8260-TUNE

Instrument: 50mv2a,i

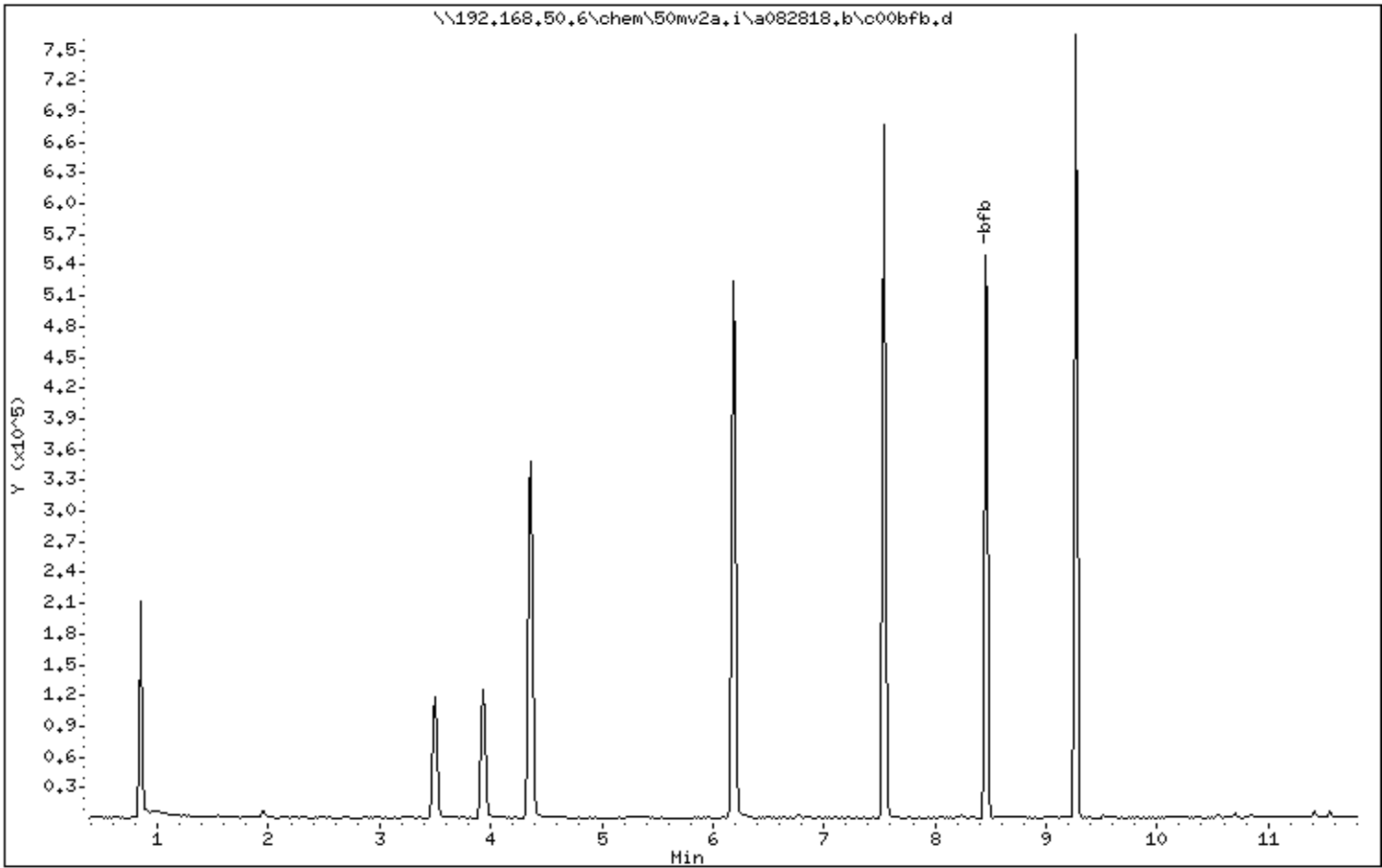
Sample Info: 8260-TUNE,182982;0

Volume Injected (uL): 5.0

Operator: amv

Column phase: DB-624

Column diameter: 0,18



Date : 28-AUG-2018 21:29

Client ID: 8260-TUNE

Instrument: 50mv2a.i

Sample Info: 8260-TUNE,182982;0

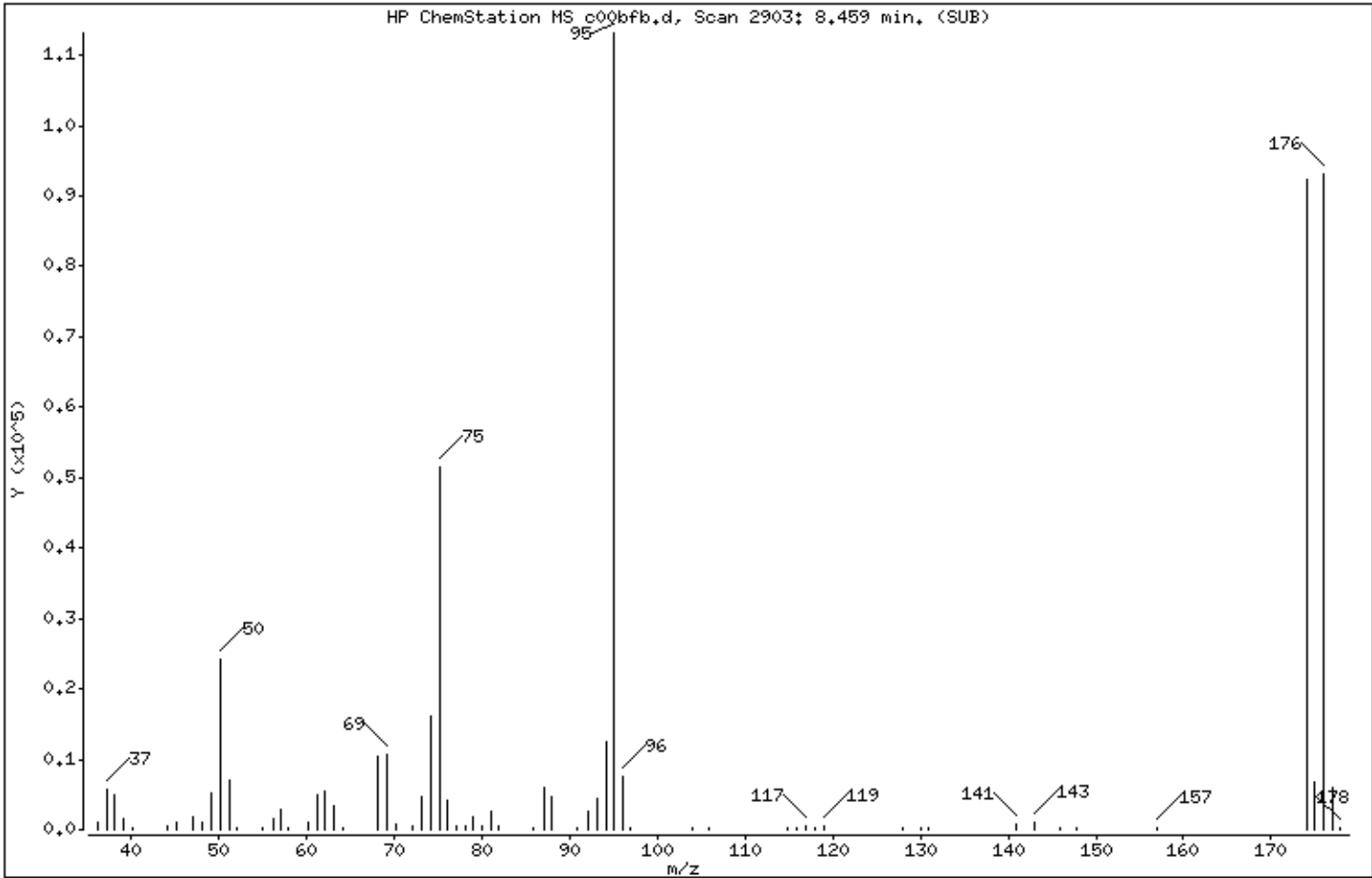
Volume Injected (uL): 5.0

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	21,49
75	30,00 - 60,00% of mass 95	45,52
96	5,00 - 9,00% of mass 95	6,58
173	Less than 2,00% of mass 174	0,00 (0,00)
174	50,00 - 100,00% of mass 95	81,56
175	5,00 - 9,00% of mass 174	5,97 (7,32)
176	95,00 - 101,00% of mass 174	82,22 (100,81)
177	5,00 - 9,00% of mass 176	5,37 (6,53)

Date : 28-AUG-2018 21:29

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 2903: 8.459 min. (SUB)

Location of Maximum: 95.10

Number of points: 66

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	1147	60.10	1082	81.00	2501	117.90	321
37.10	5675	61.10	5021	81.90	415	118.90	503
38.10	5032	62.10	5466	85.90	214	127.90	382
39.10	1647	63.10	3508	87.10	5889	130.00	264
40.10	320	64.20	165	88.00	4562	130.90	271
44.10	628	68.10	10343	90.80	175	140.90	887
45.10	917	69.10	10617	92.10	2484	143.00	982
47.10	1750	70.10	812	93.10	4406	146.00	164
48.10	973	72.10	485	94.10	12374	147.90	180
49.10	5164	73.10	4801	95.10	113168	156.90	245
50.10	24320	74.10	16228	96.10	7449	174.00	92296
51.10	7129	75.10	51512	96.90	173	174.90	6756
52.10	342	76.00	4118	103.90	192	176.00	93048
55.00	389	77.10	561	105.90	364	177.00	6077
56.10	1661	78.00	471	114.80	168	177.90	379
57.10	2867	78.90	1924	115.90	363		
57.90	211	80.00	530	117.00	580		

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

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
 Date Received: _____
 Date Extracted: 08/28/2018 22:42
 Date Analyzed: 08/28/2018 22:42
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA289-LA293
 Matrix: Water SDG No.: 50204113
 Lab Sample ID: 2118711
 Lab File ID: A082818.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

08/30/2018 10:41

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

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 08/28/2018 22:42
Date Analyzed: 08/28/2018 22:42
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA289-LA293
Matrix: Water SDG No.: 50204113
Lab Sample ID: 2118711
Lab File ID: A082818.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

08/30/2018 10:41

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

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
 Date Received: 08/28/2018 14:16
 Date Extracted: 08/28/2018 22:42
 Date Analyzed: 08/28/2018 22:42
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA289-LA293
 Matrix: Water SDG No.: 50204113
 Lab Sample ID: 2118711
 Lab File ID: A082818.BVC03MB.D
 Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	RT	EST. CONC. UNITS: ug/L	Q
120-82-1	Benzene, 1,2,4-trichloro-	10.546	No EDD Data Found	N J
75-09-2	Methane, dichloro-	1.957	2.8	N J
91-57-6	Naphthalene, 2-methyl-	11.556	No EDD Data Found	N J
	Unknown	3.932	19.2	J
	Unknown	0.844	56.9	J
	Unknown	11.712	No EDD Data Found	J

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\082818.b\c03mb.d
 Lab Smp Id: 2118711 Client Smp ID: MB
 Inj Date : 28-AUG-2018 22:42
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 2118711
 Misc Info : 117690
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\082818.b\08260_a_c.m
 Meth Date : 29-Aug-2018 13:55 avasquez 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
 Processing Host: 50-VOA-AMV1

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	3.501	(0.802)	76697	51.2240	51.2	
* 45 Fluorobenzene	96		4.360	4.360	(1.000)	335259	50.0000		
\$ 57 Toluene-d8	98		6.188	6.188	(0.821)	332187	48.2100	48.2	
* 67 Chlorobenzene-d5	117		7.540	7.541	(1.000)	281822	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.461	8.461	(1.122)	131729	49.9408	49.9	
* 91 1,4-Dichlorobenzene-d4	152		9.268	9.268	(1.000)	142962	50.0000		
100 2,methyl-naphthalene	142		11.422	11.419	(1.232)	3119	1.05369	1.05	

Review Codes Legend

:

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a082818.b\c03mb.d
 Lab Smp Id: 2118711 Client Smp ID: MB
 Inj Date : 28-AUG-2018 22:42
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 2118711
 Misc Info : 117690
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a082818.b\ -a8260_a_c.m
 Meth Date : 29-Aug-2018 13:55 avasquez 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
 Processing Host: 50-VOA-AMV1

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	258051	51.224
* 45 Fluorobenzene	4.361	721714	50.000
100 2,methyl-naphthalene	11.422	44566	1.054

RT	AREA	CONCENTRATIONS			QUAL	QUANT		CPND #	REVIEW CODE
		ON-COL(ppb)	FINAL(ppb)			LIBRARY	LIB ENTRY		
Unknown									
0.844	286509	56.8729913	56.9	0		0	36		
Methane, dichloro-									
1.957	14222	2.82313686	2.82	91	WILEY.1	114445	36		
Unknown									
3.932	277418	19.2193978	19.2	0		0	45		
Benzene, 1,2,4-trichloro-									
10.546	23945	0.56613678	0.566	72	NBS75K.1	68703	100		

RT	CONCENTRATIONS			QUAL	QUANT		CPND #	REVIEW CODE
	AREA	ON-COL(ppb)	FINAL(ppb)		LIBRARY	LIB ENTRY		
Naphthalene, 2-methyl-					CAS #: 91-57-6			
11.556	12758	0.30163266	0.302	90	WILEY.1	119371	100	
Unknown					CAS #:			
11.712	6888	0.16284547	0.163	0		0	100	

Data File: \\192.168.50.6\chem\50mw2a.i\9082818.b\c03mb.d
Date: 28-AUG-2018 22:42

Client ID: HB

Sample Info: 2148711

Purge Volume: 5.0

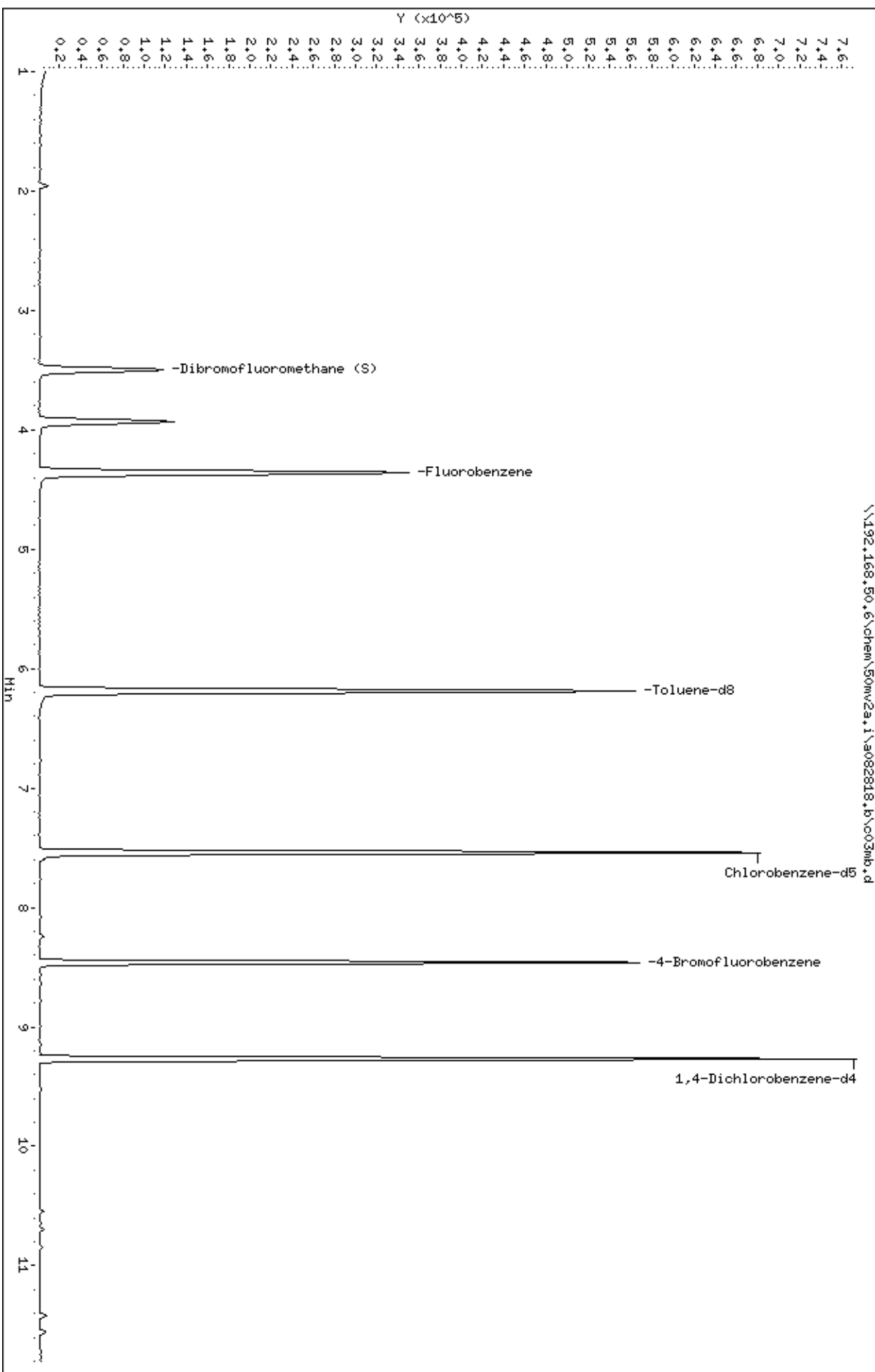
Column phase: DB-624

Instrument: 50mw2a.i

Operator: amw

Column diameter: 0.18

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Date : 28-AUG-2018 22:42

Client ID: MB

Instrument: 50mv2a.i

Sample Info: 2118711

Purge Volume: 5.0

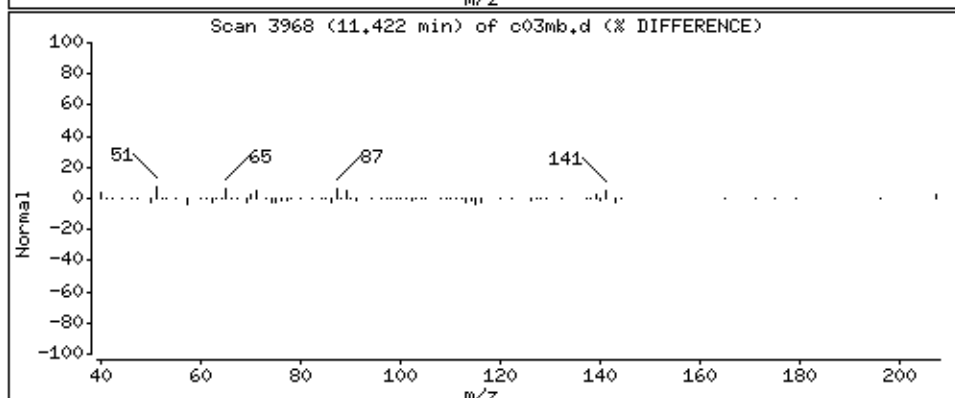
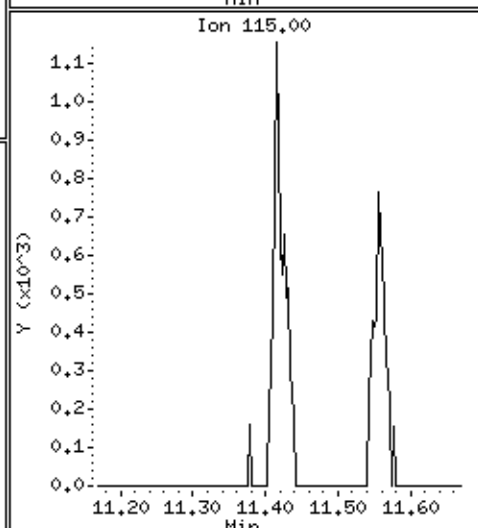
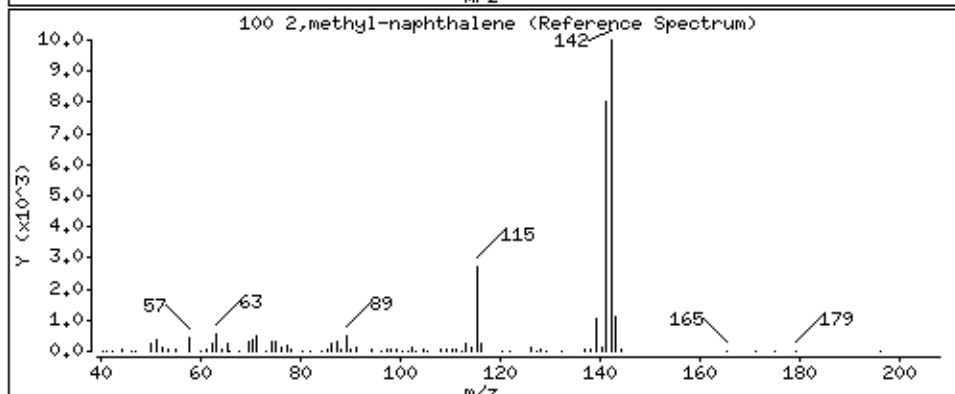
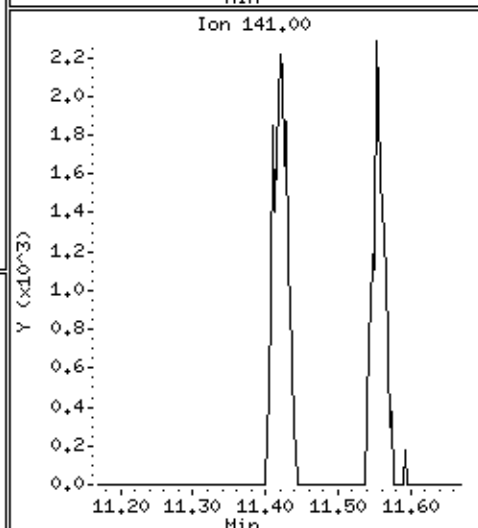
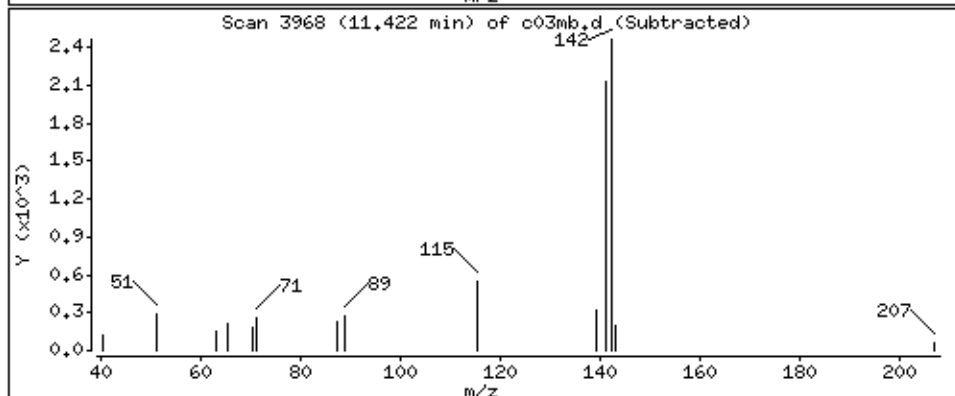
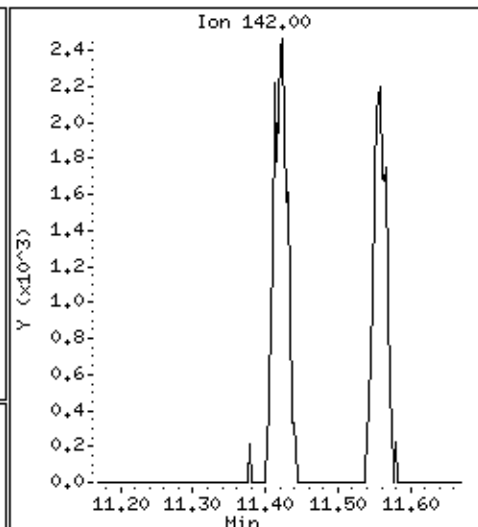
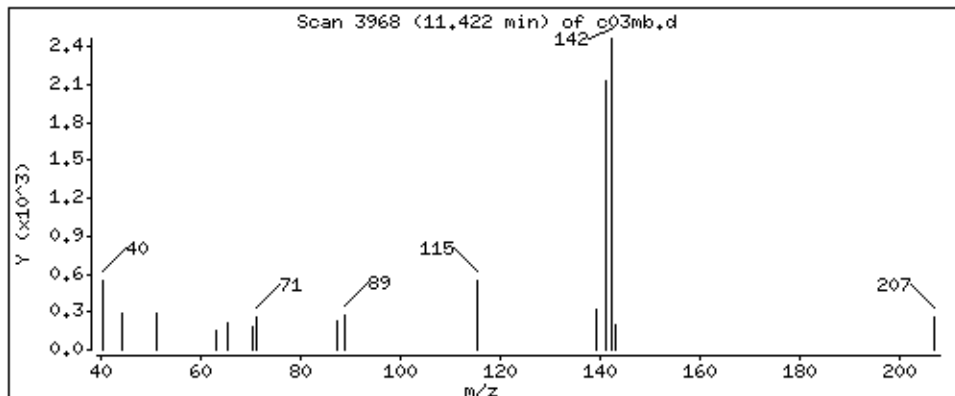
Operator: amv

Column phase: DB-624

Column diameter: 0,18

100 2,methyl-naphthalene

Concentration: 1,05 ppb



Data File: \\192.168.50.6\chem\50mv2a.i\a082818.b/c03mb.d
Injection Date: 28-AUG-2018 22:42
Instrument: 50mv2a.i
Lab Sample ID: 2118711
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: 08/28/2018 22:18
Date Analyzed: 08/28/2018 22:18
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA289-LA293
Matrix: Water SDG No.: 50204113
Lab Sample ID: 2118712
Lab File ID: A082818.B\C02LCS.D
Instrument: 50MV2A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	255	
107-02-8	Acrolein	980	
71-43-2	Benzene	46.4	
75-27-4	Bromodichloromethane	42.7	
75-25-2	Bromoform	40.8	
74-83-9	Bromomethane	51.6	
78-93-3	2-Butanone (MEK)	266	
104-51-8	n-Butylbenzene	43.5	
135-98-8	sec-Butylbenzene	44.6	
98-06-6	tert-Butylbenzene	39.9	
75-15-0	Carbon disulfide	47.1	
56-23-5	Carbon tetrachloride	47.1	
108-90-7	Chlorobenzene	46.9	
75-00-3	Chloroethane	53.8	
67-66-3	Chloroform	43.9	
74-87-3	Chloromethane	40.9	
106-93-4	1,2-Dibromoethane (EDB)	47.7	
74-95-3	Dibromomethane	48.7	
95-50-1	1,2-Dichlorobenzene	46.0	
541-73-1	1,3-Dichlorobenzene	45.7	
106-46-7	1,4-Dichlorobenzene	45.0	
75-71-8	Dichlorodifluoromethane	61.1	
75-34-3	1,1-Dichloroethane	47.0	
107-06-2	1,2-Dichloroethane	44.1	
75-35-4	1,1-Dichloroethene	47.6	
156-59-2	cis-1,2-Dichloroethene	46.1	
156-60-5	trans-1,2-Dichloroethene	47.5	
78-87-5	1,2-Dichloropropane	48.3	
10061-01-5	cis-1,3-Dichloropropene	41.4	
10061-02-6	trans-1,3-Dichloropropene	41.0	
100-41-4	Ethylbenzene	45.9	
591-78-6	2-Hexanone	209	
98-82-8	Isopropylbenzene (Cumene)	44.5	
99-87-6	p-Isopropyltoluene	46.2	
75-09-2	Methylene Chloride	47.3	
108-10-1	4-Methyl-2-pentanone (MIBK)	201	
1634-04-4	Methyl-tert-butyl ether	49.9	

08/30/2018 10:41

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

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Indiana
 Date Received: _____
 Date Extracted: 08/28/2018 22:18
 Date Analyzed: 08/28/2018 22:18
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA289-LA293
 Matrix: Water SDG No.: 50204113
 Lab Sample ID: 2118712
 Lab File ID: A082818.B\C02LCS.D
 Instrument: 50MV2A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
91-20-3	Naphthalene	47.0	
103-65-1	n-Propylbenzene	45.7	
100-42-5	Styrene	47.0	
630-20-6	1,1,1,2-Tetrachloroethane	43.7	
79-34-5	1,1,2,2-Tetrachloroethane	42.7	
127-18-4	Tetrachloroethene	44.1	
108-88-3	Toluene	41.6	
120-82-1	1,2,4-Trichlorobenzene	45.3	
71-55-6	1,1,1-Trichloroethane	47.9	
79-00-5	1,1,2-Trichloroethane	47.2	
79-01-6	Trichloroethene	45.7	
75-69-4	Trichlorofluoromethane	46.2	
95-63-6	1,2,4-Trimethylbenzene	44.2	
108-67-8	1,3,5-Trimethylbenzene	44.3	
108-05-4	Vinyl acetate	174	
75-01-4	Vinyl chloride	44.3	
179601-23-1	m&p-Xylene	90.2	
95-47-6	o-Xylene	47.2	

08/30/2018 10:41

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

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Indiana
 Date Received: 08/28/2018 14:16
 Date Extracted: 08/28/2018 22:18
 Date Analyzed: 08/28/2018 22:18
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA289-LA293
 Matrix: Water SDG No.: 50204113
 Lab Sample ID: 2118712
 Lab File ID: A082818.B\C02LCS.D
 Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	RT	EST. CONC. UNITS: ug/L	Q
0-00-0	METHANE, CHLOROiodo-	5.68	7.8	N J
	Unknown	0.844	45.9	J

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a082818.b\c02lcs.d
 Lab Smp Id: 2118712 Client Smp ID: MBLCS
 Inj Date : 28-AUG-2018 22:18
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 2118712,184314:5
 Misc Info : 117690
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a082818.b\ -a8260_a_c.m
 Meth Date : 29-Aug-2018 13:55 avasquez 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
 Processing Host: 50-VOA-AMV1

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 MASS	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ppb)	FINAL (ppb)	
1 Dichlorodifluoromethane	85		0.927	0.928	(0.213)	117208	61.1397	61.1	
2 Chloromethane	50		1.030	1.033	(0.236)	67091	40.9013	40.9	
3 Vinyl Chloride	62		1.069	1.069	(0.245)	91374	44.2694	44.3	
4 Bromomethane	94		1.228	1.228	(0.282)	32805	51.6425	51.6	
5 Chloroethane	64		1.275	1.275	(0.293)	56820	53.7901	53.8	
6 Trichlorofluoromethane	101		1.400	1.400	(0.321)	113289	46.2331	46.2	
7 Diethyl ether	74		1.536	1.539	(0.353)	47462	46.6972	46.7	
8 1,2-dichlorotrifluoroethane	67		1.534	1.534	(0.352)	94116	54.6780	54.7	
9 Acrolein	56		1.612	1.612	(0.370)	384217	980.479	980 (M)	NI
10 1,1,2trichlorotrifluoroethane	101		1.664	1.664	(0.382)	81873	51.6047	51.6	
11 1,1-Dichloroethene	96		1.673	1.673	(0.384)	76079	47.6327	47.6	
12 Acetone	43		1.692	1.692	(0.388)	115546	255.421	255	
13 Iodomethane	142		1.767	1.767	(0.406)	123484	68.6271	68.6	
14 Carbon Disulfide	76		1.815	1.815	(0.416)	222488	47.1253	47.1	
15 Methyl Acetate	43		1.692	1.692	(0.388)	115546	50.6856	50.7	
16 Acetonitrile	39		1.879	1.881	(0.431)	196291	38.6310	38.6	
17 allyl chloride	41		1.879	1.879	(0.431)	319050	95.3943	95.4	
18 Methylene Chloride	84		1.954	1.957	(0.448)	73168	47.2551	47.2	
19 tert-Butyl Alcohol	59		2.004	2.001	(0.460)	15234	105.765	106	
20 Acrylonitrile	53		2.112	2.112	(0.485)	139430	195.176	195	
21 Methyl-tert-butyl ether	73		2.132	2.132	(0.489)	244818	49.8529	49.8	
22 1,2-Dichloroethene (trans)	96		2.137	2.140	(0.491)	83096	47.4682	47.5	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ppb)	FINAL (ppb)	
23 n-Hexane	57	2.332	2.332	(0.535)	156995	46.1027	46.1	
24 Vinyl Acetate	43	2.482	2.482	(0.570)	945104	173.828	174	
25 1,1-Dichloroethane	63	2.452	2.452	(0.563)	155972	46.9531	47.0	
26 Chloroprene	53	2.527	2.527	(0.580)	167223	44.3189	44.3	
27 Ethyl acetate	88	2.524	2.527	(0.579)	76225	398.954	399 (Q)	
28 2-Butanone	72	2.986	2.980	(0.685)	42737	266.158	266	
29 1,2-Dichloroethene (cis)	96	2.969	2.969	(0.681)	89254	46.1316	46.1	
30 2,2-Dichloropropane	77	2.966	2.967	(0.681)	108572	37.8041	37.8	
31 Propionitrile	54	3.044	3.047	(0.699)	10387	44.2884	44.3	
32 Methacrylonitrile	41	3.206	3.211	(0.736)	239079	186.592	186	
33 Bromochloromethane	49	3.217	3.217	(0.738)	67191	43.6756	43.7	
34 Tetrahydrofuran	42	3.270	3.270	(0.750)	28750	46.5556	46.6	
35 Chloroform	83	3.309	3.309	(0.759)	145074	43.8867	43.9	
\$ 36 Dibromofluoromethane (S)	113	3.498	3.501	(0.803)	84049	53.3286	53.3	
37 1,1,1-Trichloroethane	97	3.523	3.520	(0.808)	136849	47.9427	47.9	
38 cyclohexane	56	3.590	3.587	(0.824)	153430	39.2279	39.2	
150 n-butyl chloride	56	3.590	3.587	(0.824)	153479	33.0061	33.0	
39 Carbon Tetrachloride	117	3.729	3.726	(0.856)	120667	47.1368	47.1 (Q)	
40 1,1-Dichloropropene	75	3.732	3.734	(0.856)	112632	46.7543	46.8	
41 Benzene	78	4.001	4.002	(0.918)	318462	46.4050	46.4	
42 1,2-Dichloroethane	62	4.032	4.029	(0.925)	111123	44.1345	44.1	
43 2,2,4-Trimethylpentane	57	4.116	4.116	(0.944)	401601	50.4906	50.5 (Q)	
44 Isobutyl alcohol	43	3.929	3.932	(0.902)	17329	332.079	332	
* 45 Fluorobenzene	96	4.358	4.360	(1.000)	352897	50.0000		
47 Trichloroethene	95	4.803	4.803	(1.102)	85417	45.6792	45.7	
48 Methylcyclohexane	55	5.020	5.020	(1.152)	136189	41.3740	41.4	
49 1,2-Dichloropropane	63	5.064	5.067	(1.162)	88024	48.3340	48.3	
50 1,4-Dioxane	88	5.237	5.245	(1.202)	7101	1270.49	1270	
51 Dibromomethane	93	5.198	5.198	(1.193)	46548	48.7295	48.7	
52 Methyl methacrylate	69	5.245	5.245	(1.204)	61091	44.3697	44.4	
53 Bromodichloromethane	83	5.398	5.398	(1.239)	106682	42.7201	42.7	
54 2-Chloroethyl vinyl ether	63	5.768	5.768	(0.765)	47003	33.2754	33.3	
55 cis-1,3-Dichloropropene	75	5.905	5.905	(0.783)	127579	41.4344	41.4	
56 4-Methyl-2-Pentanone	43	6.097	6.097	(0.809)	478519	200.753	201 (R)	
\$ 57 Toluene-d8	98	6.188	6.188	(0.821)	329321	46.5246	46.5	
58 Toluene	91	6.258	6.261	(0.830)	361690	41.5522	41.6	
59 trans-1,3-Dichloropropene	75	6.514	6.514	(0.864)	118285	41.0028	41.0	
60 Ethyl Methacrylate	69	6.633	6.631	(0.880)	478013	178.428	178	
61 1,1,2-Trichloroethane	83	6.689	6.686	(0.887)	60187	47.2086	47.2	
62 Tetrachloroethene	166	6.803	6.806	(0.902)	103066	44.1017	44.1	
63 1,3-Dichloropropane	76	6.842	6.842	(0.907)	132732	46.7680	46.8	
64 2-Hexanone	43	6.945	6.948	(0.921)	351473	209.043	209	
65 Dibromochloromethane	129	7.045	7.045	(0.934)	87615	46.0096	46.0	
66 1,2-Dibromoethane	107	7.134	7.134	(0.946)	75770	47.7213	47.7	
* 67 Chlorobenzene-d5	117	7.540	7.541	(1.000)	289512	50.0000		
68 Chlorobenzene	112	7.566	7.566	(1.003)	235726	46.8732	46.9	
69 1,1,1,2-Tetrachloroethane	131	7.638	7.641	(1.013)	85105	43.7050	43.7	
70 Ethylbenzene	106	7.663	7.666	(1.016)	134210	45.8506	45.8	
71 m&p-Xylene	106	7.763	7.763	(1.030)	328502	90.2334	90.2	
72 o-Xylene	106	8.069	8.069	(1.070)	157011	47.1934	47.2	
73 Styrene	104	8.083	8.083	(1.072)	266057	47.0405	47.0	
74 Bromoform	173	8.219	8.219	(0.887)	55648	40.8182	40.8	
75 Isopropylbenzene	105	8.353	8.353	(1.108)	423724	44.4751	44.5	
\$ 76 4-Bromofluorobenzene	95	8.461	8.461	(1.122)	134004	49.4539	49.4	

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	8.242	(1.093)	266404	195.469	195	
78 Bromobenzene	77	8.564	8.564	(1.136)	148477	44.6029	44.6	
79 1,1,2,2-Tetrachloroethane	83	8.575	8.578	(0.925)	92995	42.7222	42.7	
80 trans-1,4-Dichloro-2-butene	53	8.617	8.617	(1.143)	98594	126.512	126(Q)	
81 1,2,3-Trichloropropane	110	8.603	8.603	(0.928)	30474	44.6960	44.7(Q)	
82 n-Propylbenzene	91	8.651	8.651	(0.933)	495318	45.6910	45.7	
83 2-Chlorotoluene	91	8.709	8.709	(0.940)	290636	48.9900	49.0	
84 1,3,5-Trimethylbenzene	105	8.776	8.776	(0.947)	331865	44.3262	44.3	
85 4-Chlorotoluene	126	8.784	8.787	(0.948)	97976	47.4282	47.4	
86 tert-Butylbenzene	119	9.001	9.001	(0.971)	346597	39.8661	39.9	
87 1,2,4-Trimethylbenzene	105	9.035	9.035	(0.975)	331211	44.2320	44.2	
88 sec-Butylbenzene	105	9.151	9.149	(0.987)	431670	44.6447	44.6	
89 1,3-Dichlorobenzene	146	9.224	9.224	(0.995)	186193	45.6646	45.7	
90 p-Isopropyltoluene	119	9.246	9.246	(0.998)	374248	46.2291	46.2	
* 91 1,4-Dichlorobenzene-d4	152	9.268	9.268	(1.000)	150621	50.0000		
92 1,4-Dichlorobenzene	146	9.285	9.285	(1.002)	184530	45.0135	45.0	
93 n-Butylbenzene	91	9.516	9.516	(1.027)	331235	43.4746	43.5	
94 1,2-Dichlorobenzene	146	9.533	9.530	(1.029)	167691	46.0249	46.0	
95 1,2-Dibromo-3-chloropropane	155	10.033	10.033	(1.083)	17162	46.6358	46.6	
96 1,2,4-Trichlorobenzene	180	10.545	10.545	(1.138)	118477	45.2967	45.3	
97 Hexachlorobutadiene	225	10.643	10.640	(1.148)	62523	46.1403	46.1	
98 Naphthalene	128	10.701	10.698	(1.155)	285352	46.9827	47.0	
99 1,2,3-Trichlorobenzene	180	10.846	10.843	(1.170)	106499	45.3147	45.3	
100 2,methyl-naphthalene	142	11.419	11.419	(1.232)	144739	46.4108	46.4	
101 1-Methylnaphthalene	142	11.555	11.555	(1.247)	121578	48.4116	48.4	

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.

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\082818.b\c021cs.d
 Lab Smp Id: 2118712 Client Smp ID: MBLCS
 Inj Date : 28-AUG-2018 22:18
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 2118712,184314:5
 Misc Info : 117690
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\082818.b\08260_a_c.m
 Meth Date : 29-Aug-2018 13:55 avasquez 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
 Processing Host: 50-VOA-AMV1

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

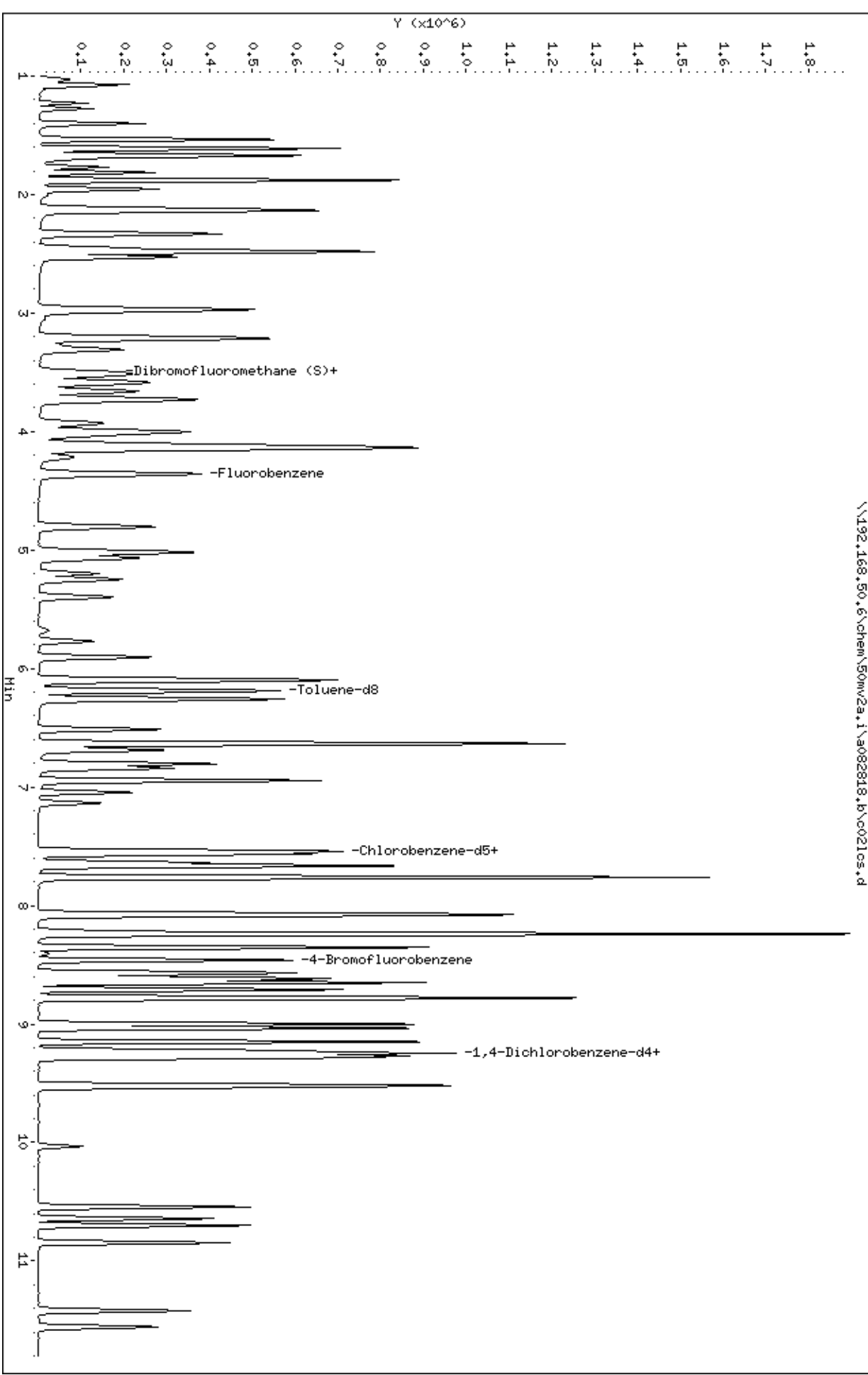
COMPOUND	RT	AREA	AMOUNT
1 Dichlorodifluoromethane	0.928	244860	61.140
54 2-Chloroethyl vinyl eth	5.769	199650	33.275

RT	AREA	CONCENTRATIONS			QUAL	QUANT			REVIEW CODE
		ON-COL(ppb)	FINAL(ppb)			LIBRARY	LIB ENTRY	CPND #	
Unknown									
0.844	183759	45.8830502	45.9	0		0	1		
METHANE, CHLOROiodo-									
5.680	47066	7.84435414	7.84	94	WILEY.1	24014	54		

Data File: \\192.168.50.6\chem\50mw2a.1\3082818.b\c021cs.d
Date: 28-AUG-2018 22:18
Client ID: HBLCS
Sample Info: 218712,184344:5
Purge Volume: 5.0
Column phase: DB-624

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

\\192.168.50.6\chem\50mw2a.1\3082818.b\c021cs.d



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314;5

Purge Volume: 5.0

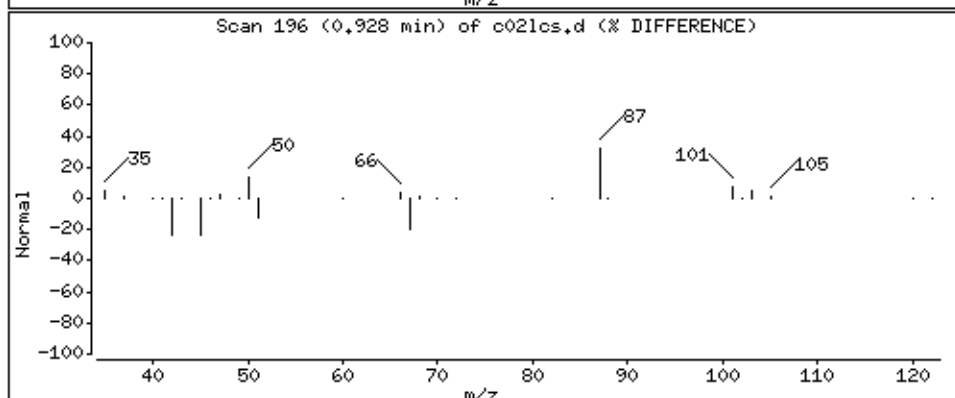
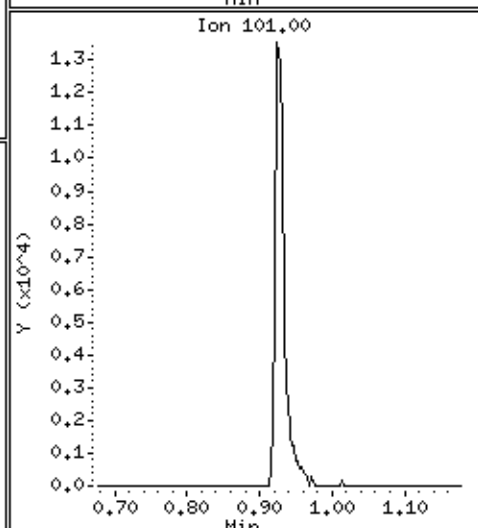
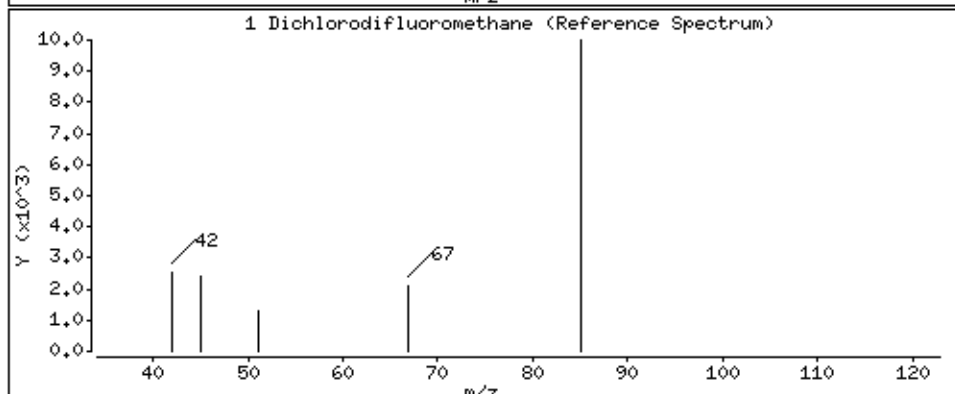
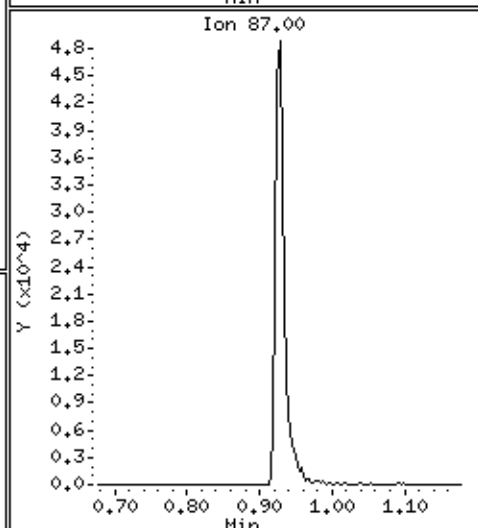
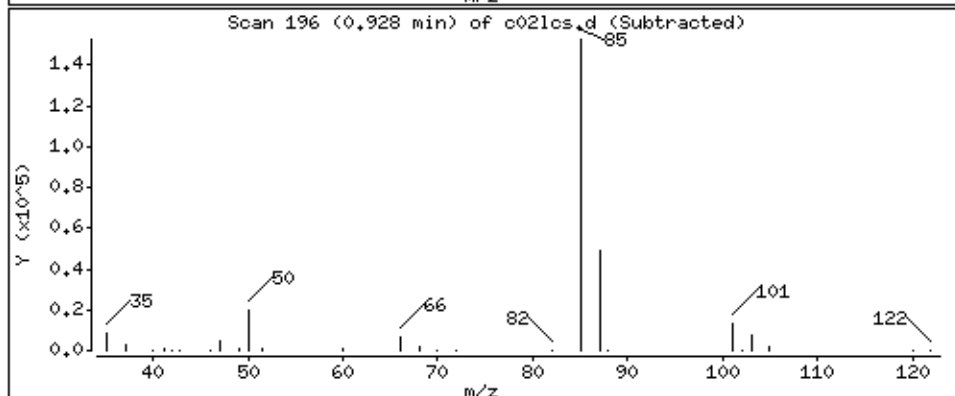
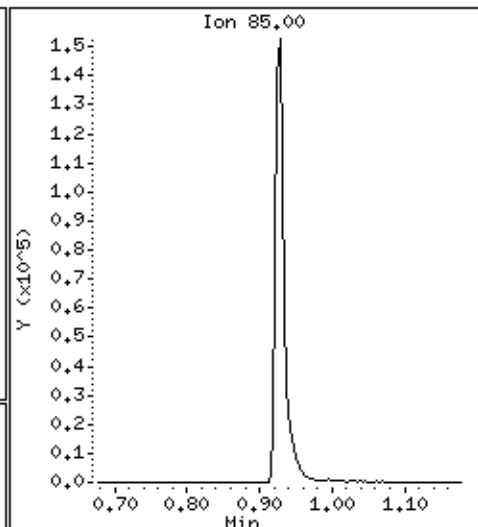
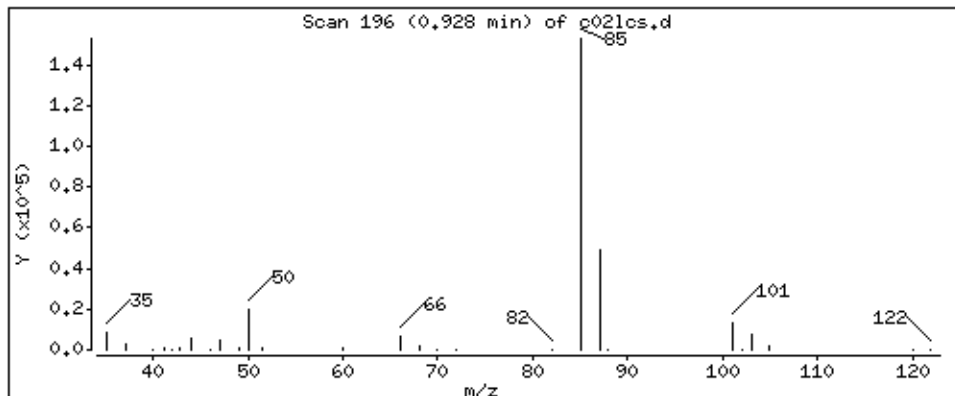
Operator: amv

Column phase: DB-624

Column diameter: 0,18

1 Dichlorodifluoromethane

Concentration: 61,1 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

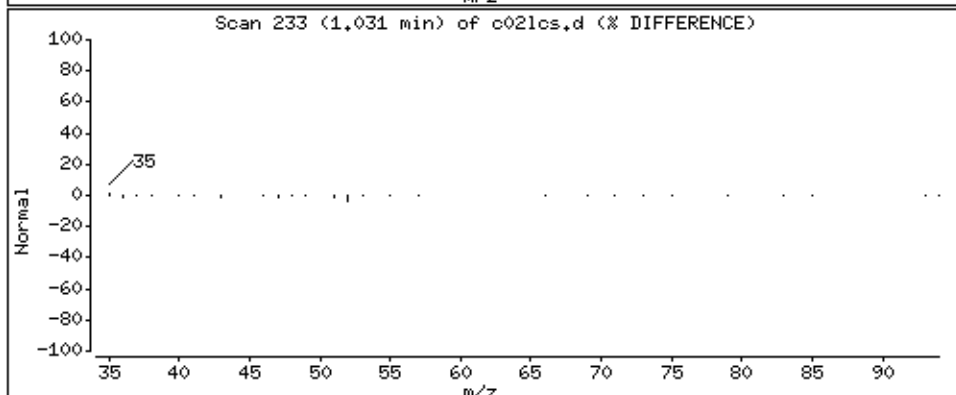
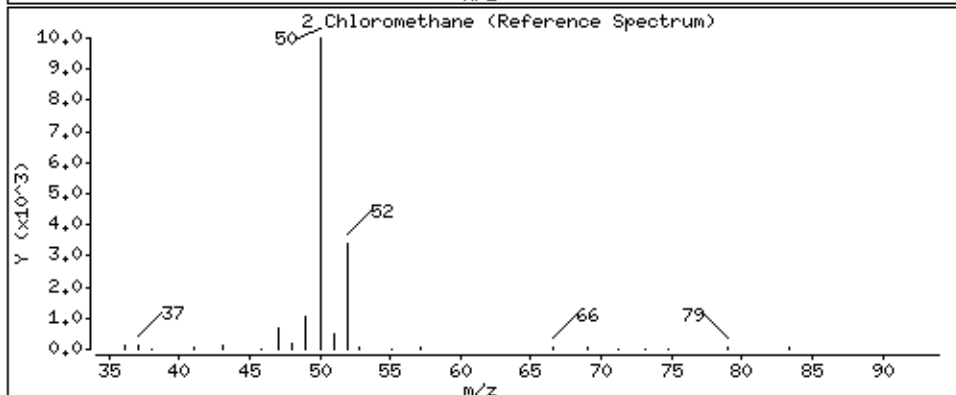
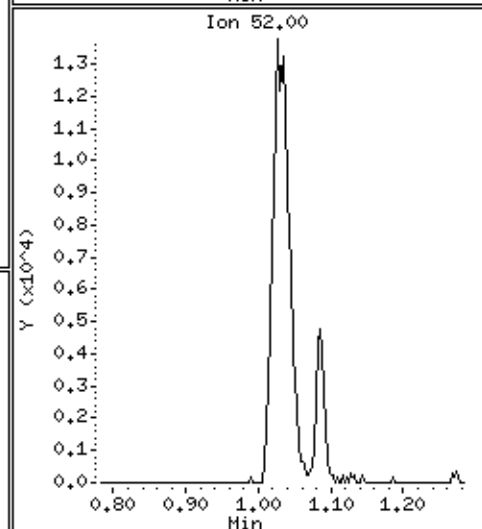
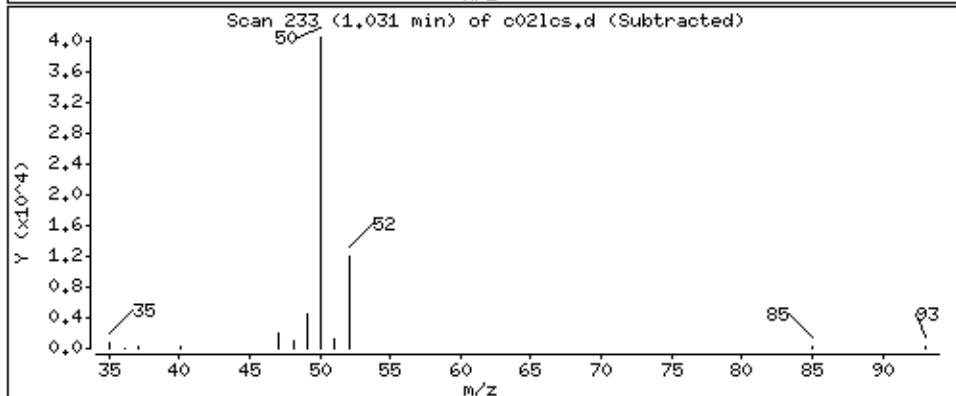
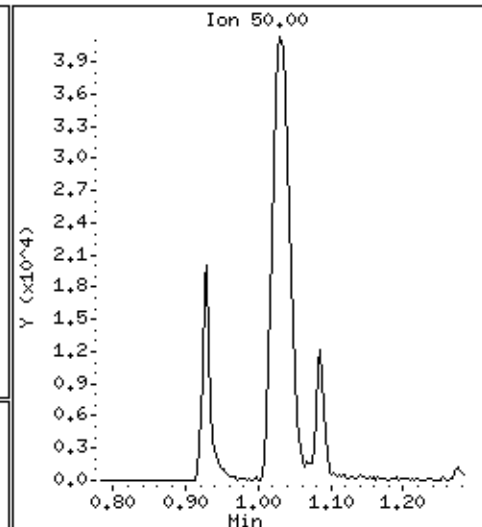
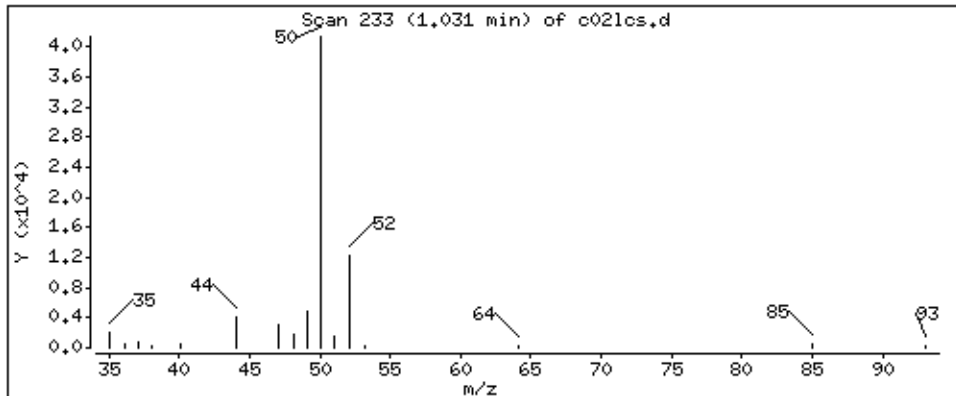
Operator: amv

Column phase: DB-624

Column diameter: 0,18

2 Chloromethane

Concentration: 40,9 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314;5

Purge Volume: 5.0

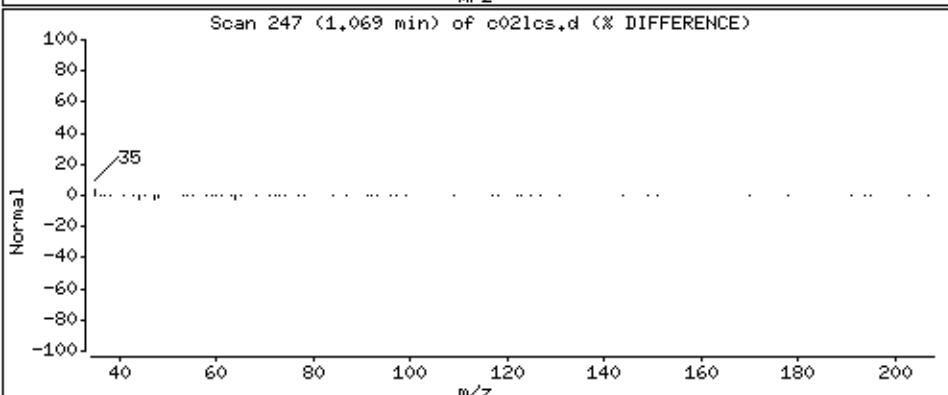
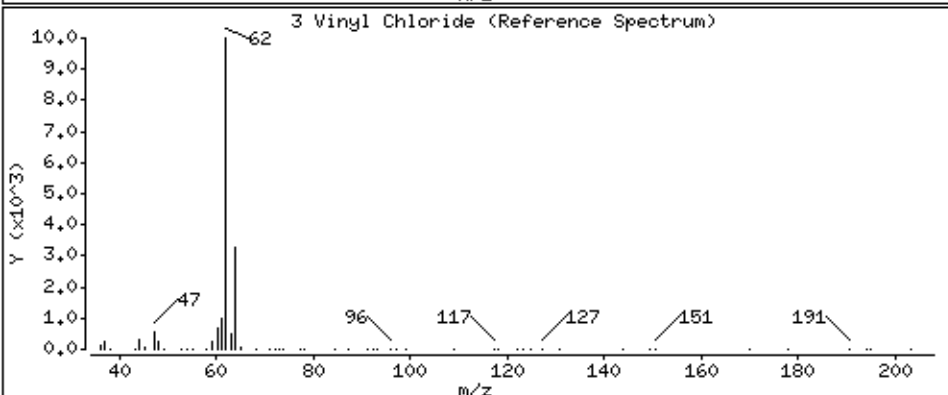
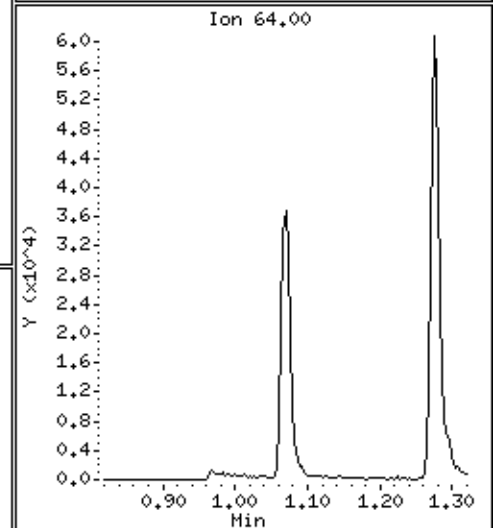
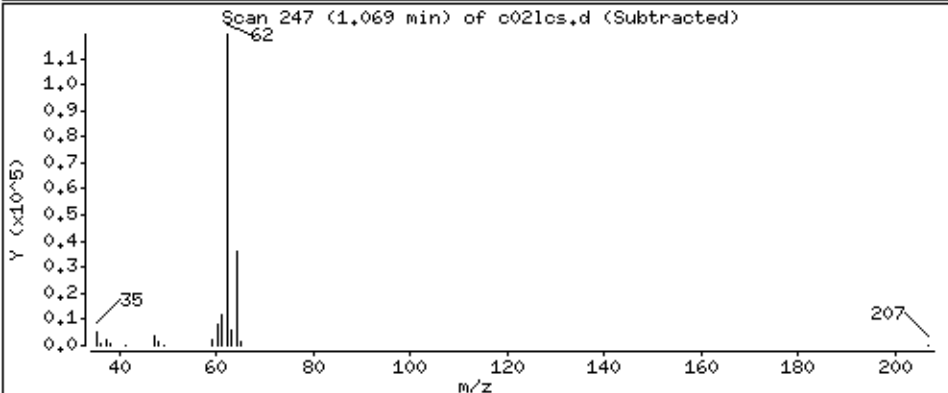
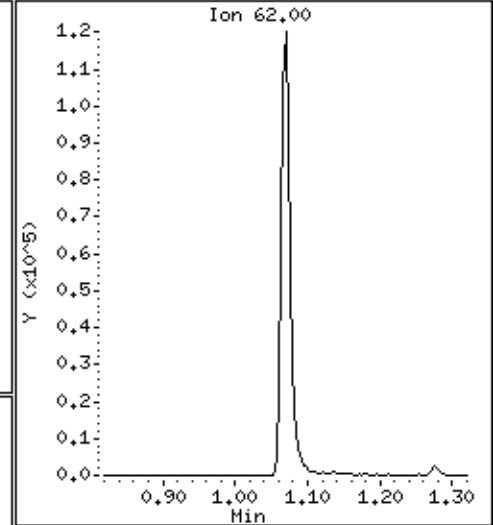
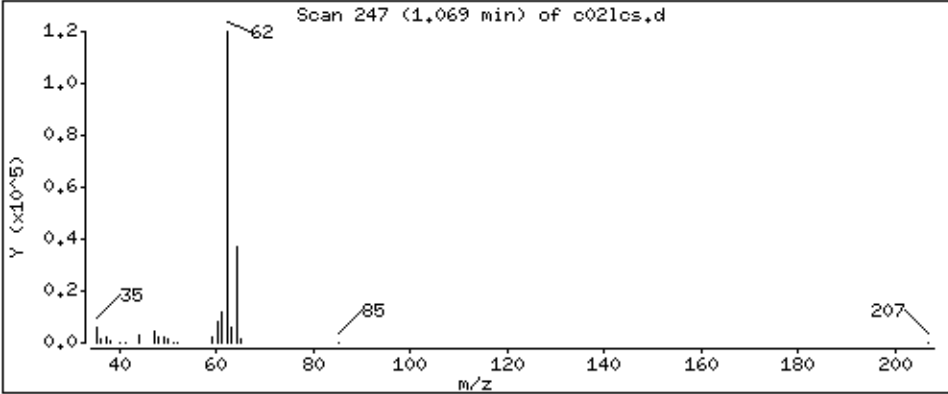
Operator: amv

Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 44,3 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

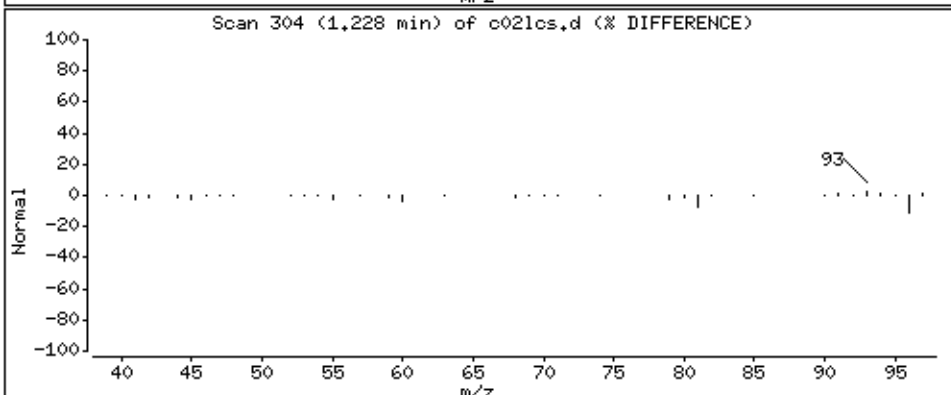
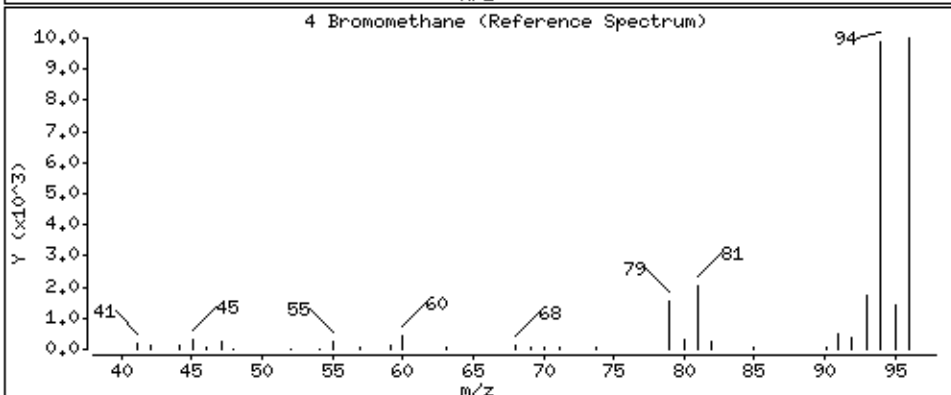
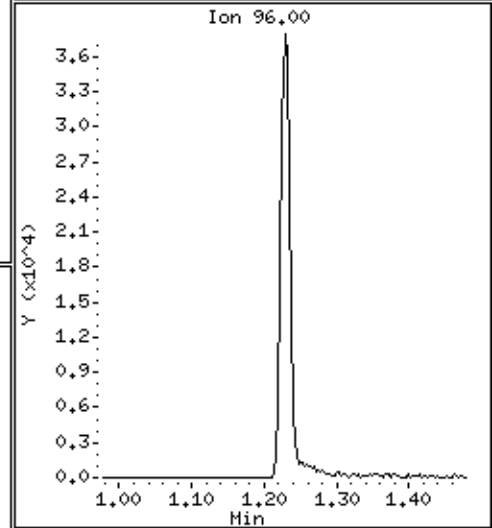
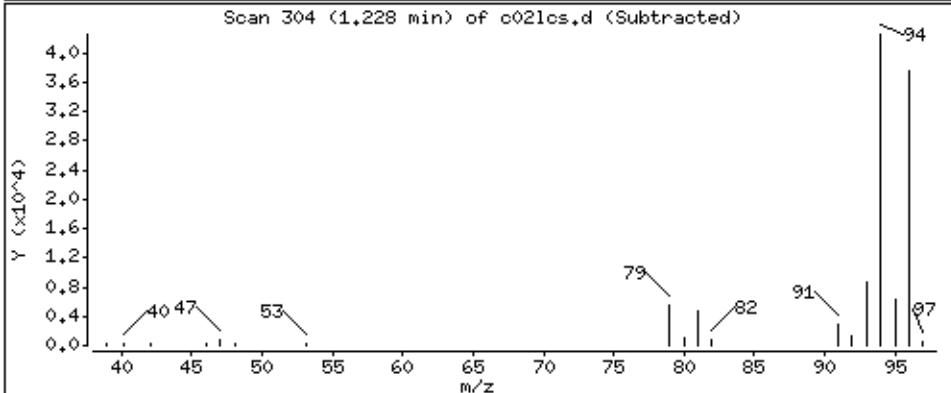
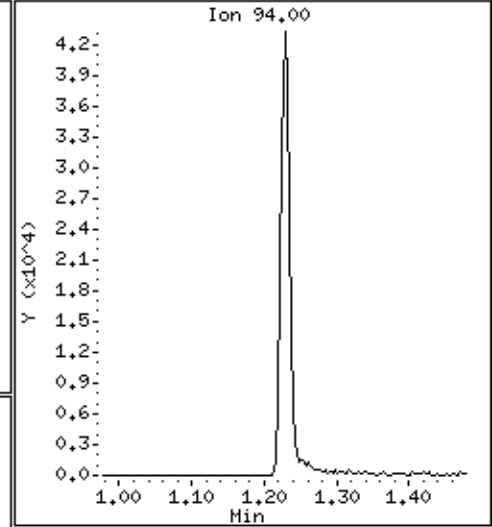
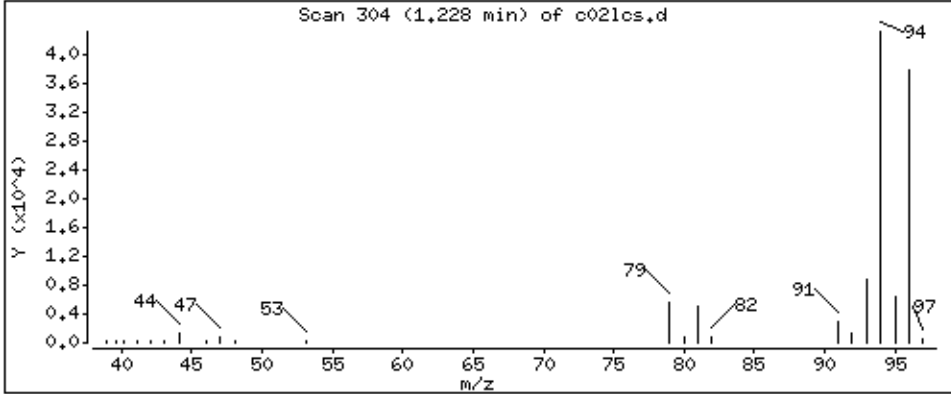
Operator: amv

Column phase: DB-624

Column diameter: 0,18

4 Bromomethane

Concentration: 51.6 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

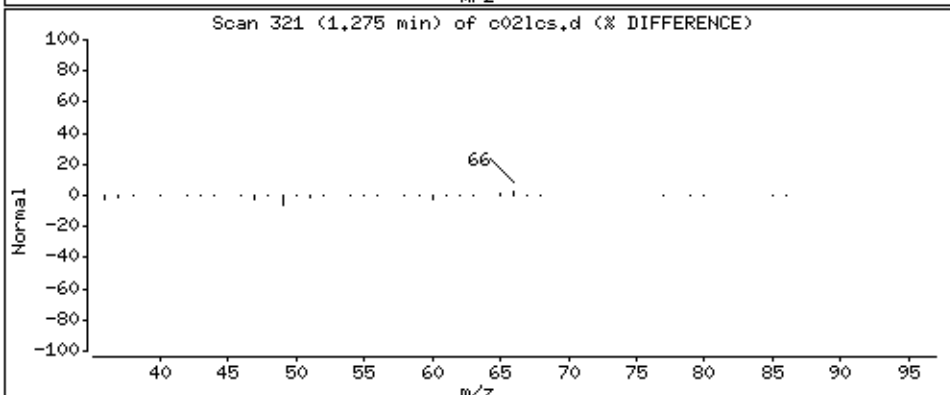
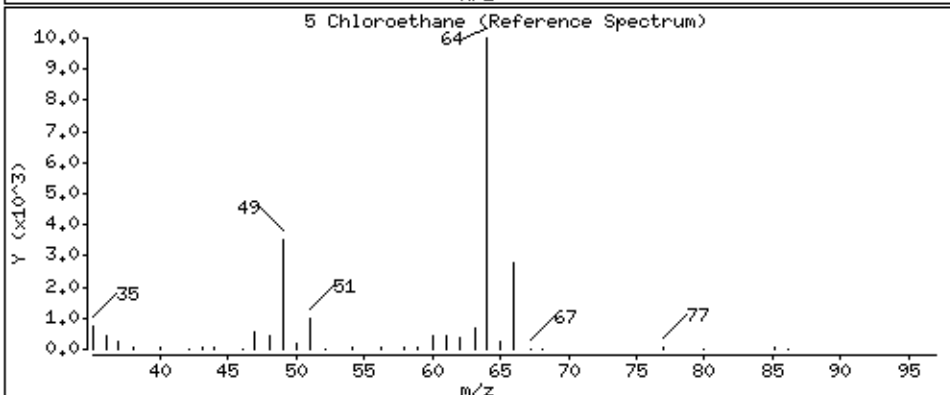
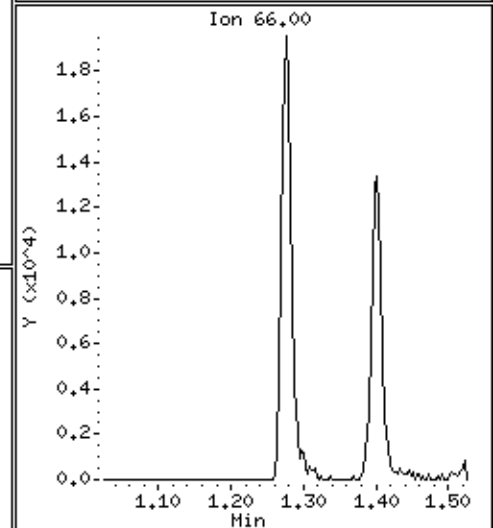
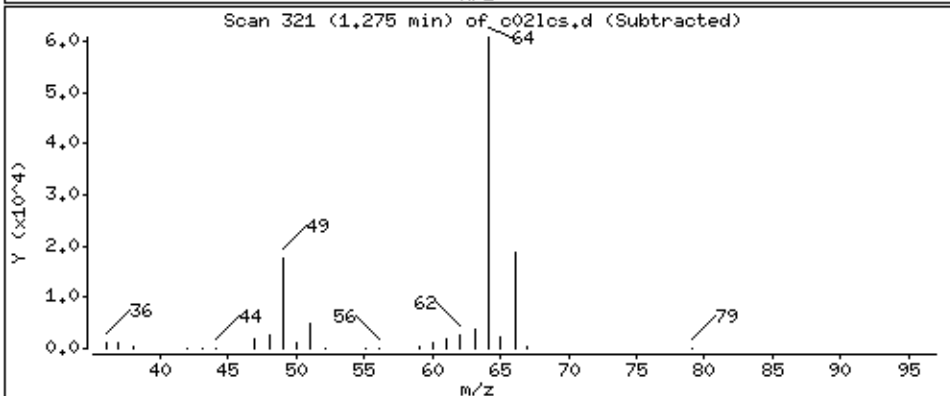
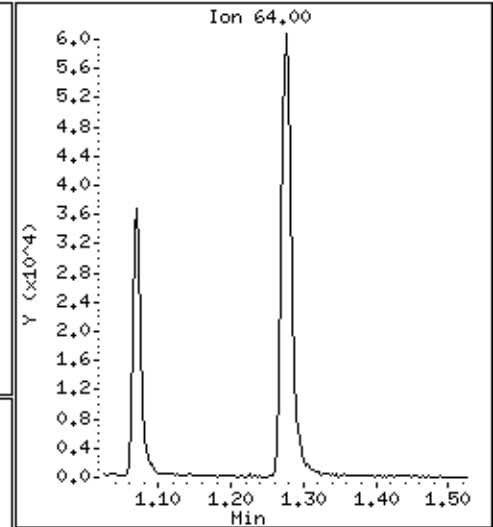
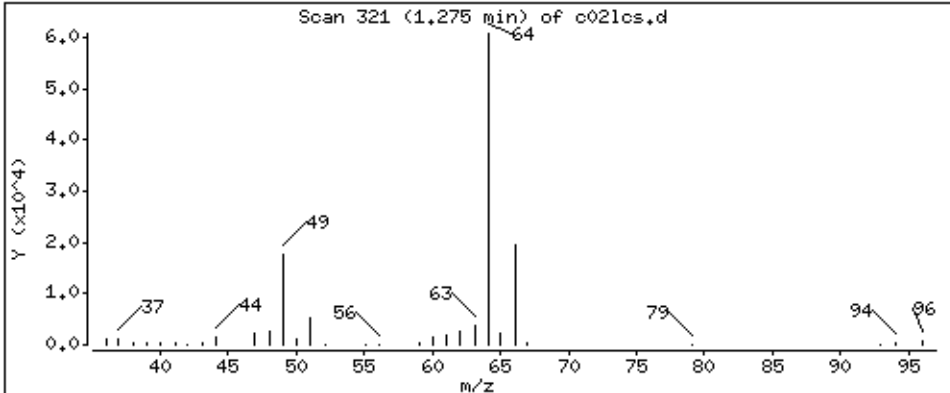
Operator: amv

Column phase: DB-624

Column diameter: 0.18

5 Chloroethane

Concentration: 53.8 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

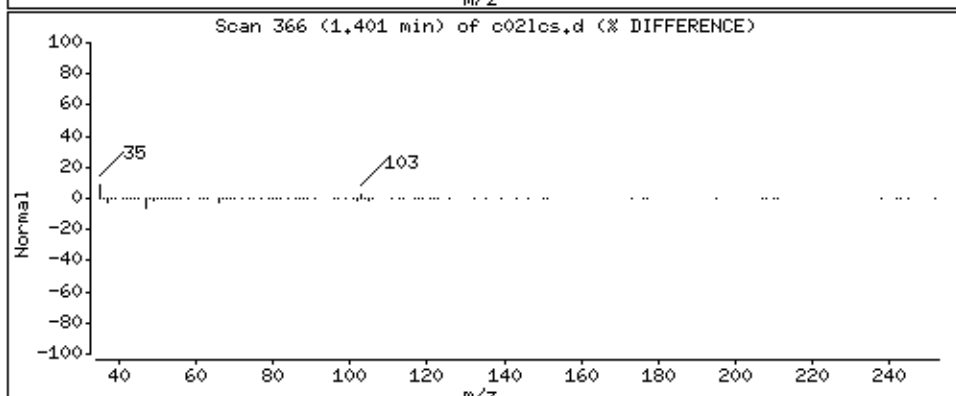
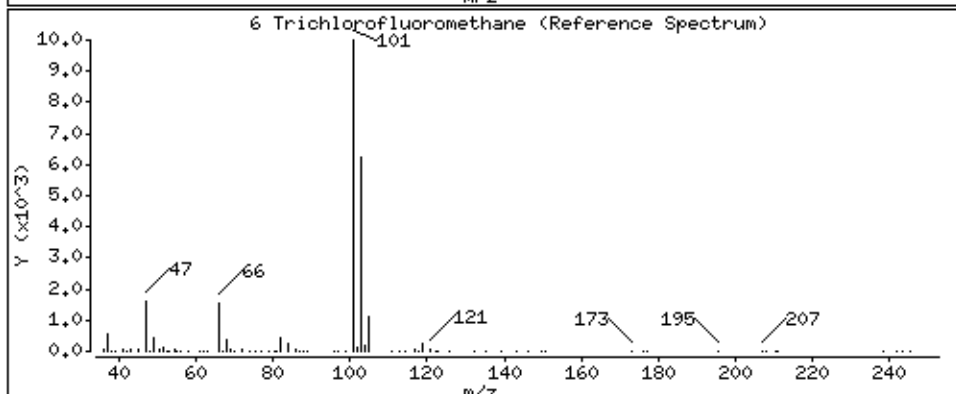
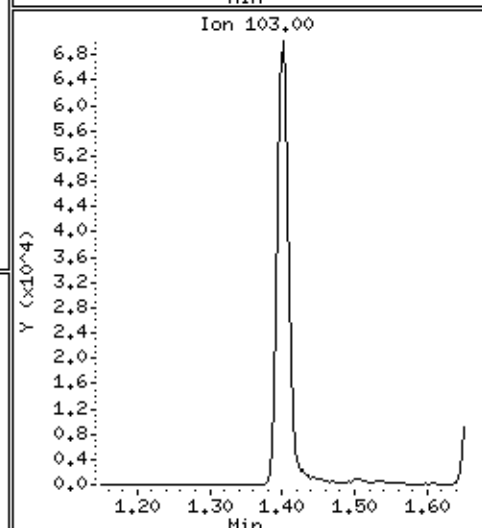
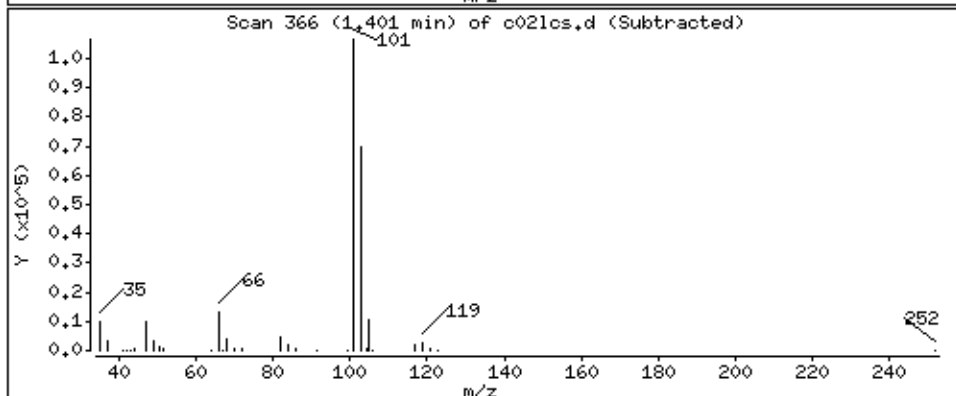
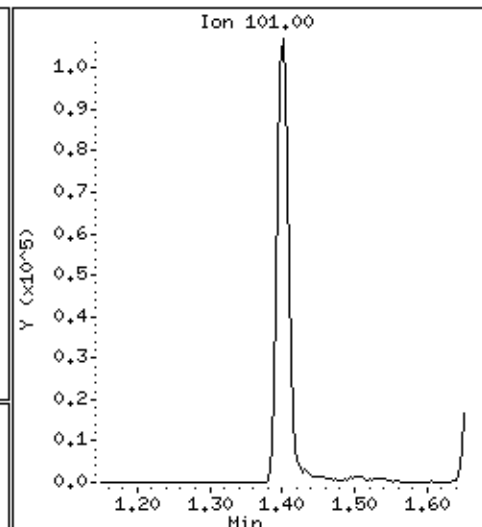
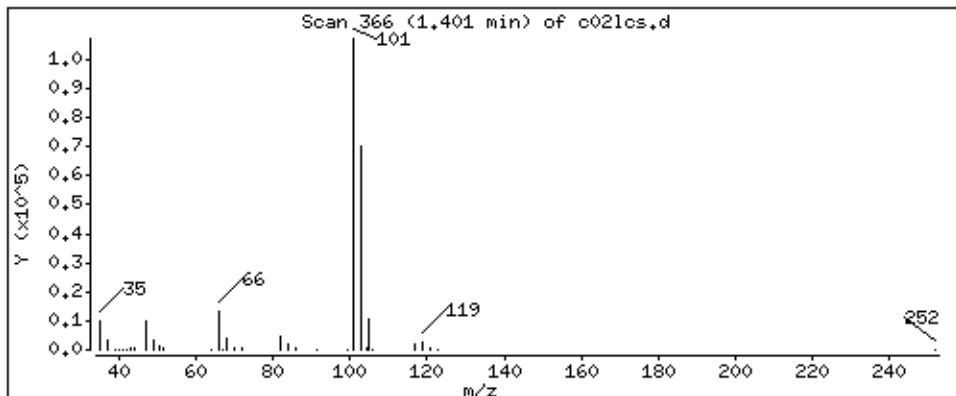
Operator: amv

Column phase: DB-624

Column diameter: 0,18

6 Trichlorofluoromethane

Concentration: 46,2 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

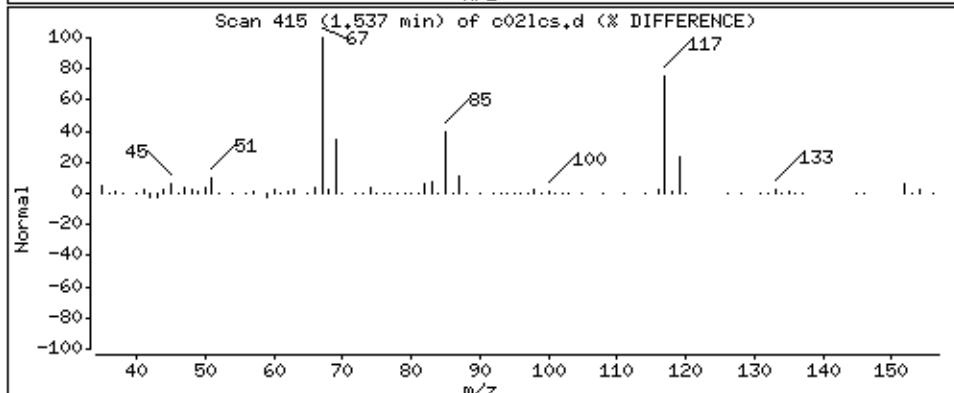
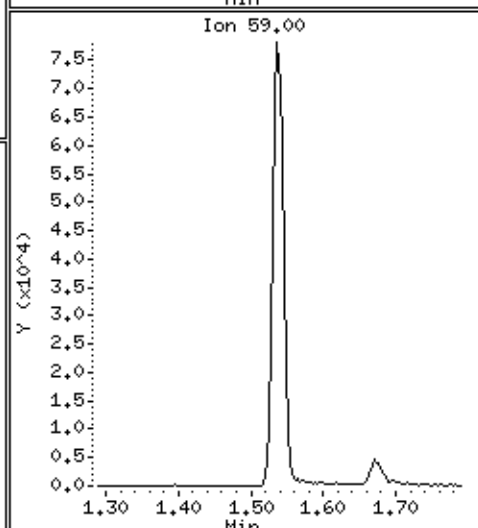
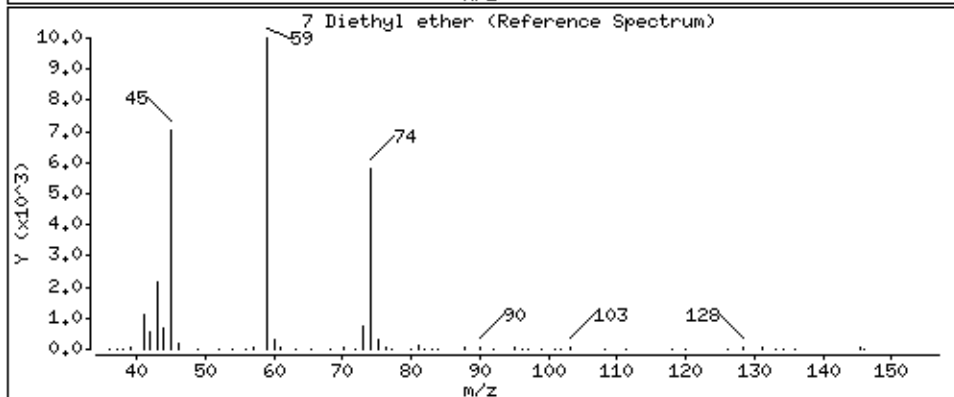
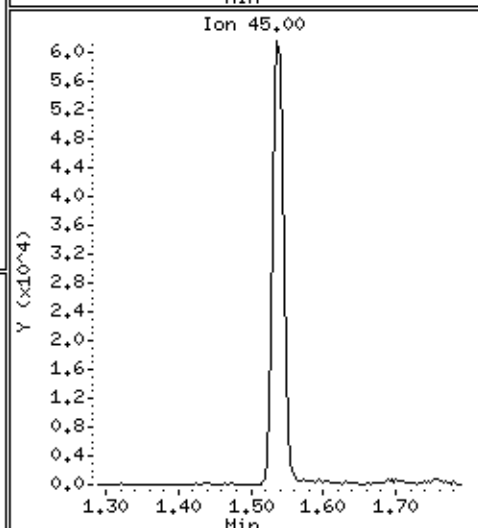
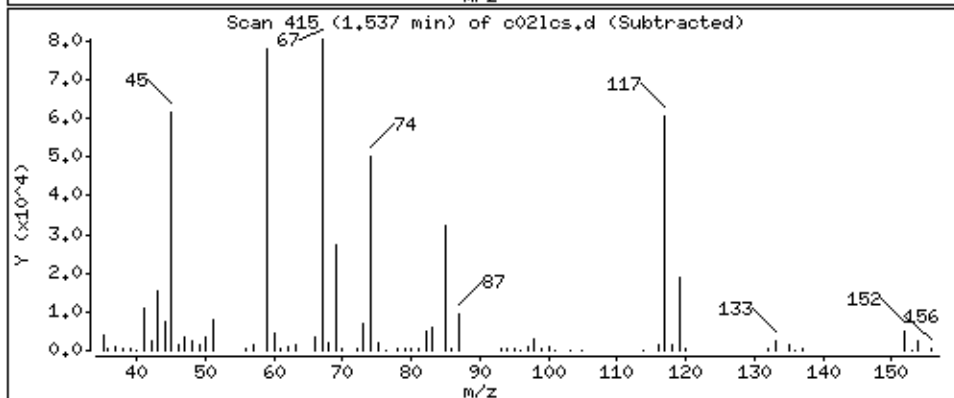
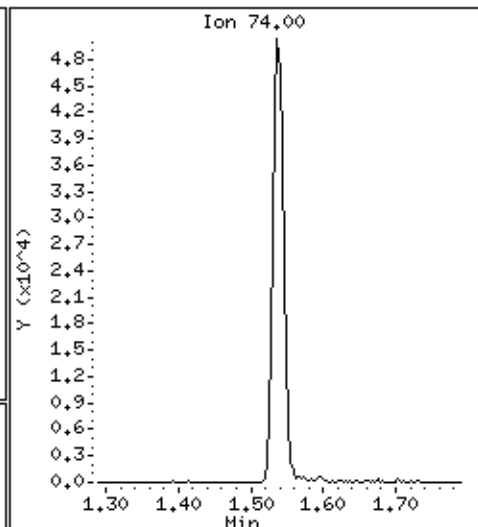
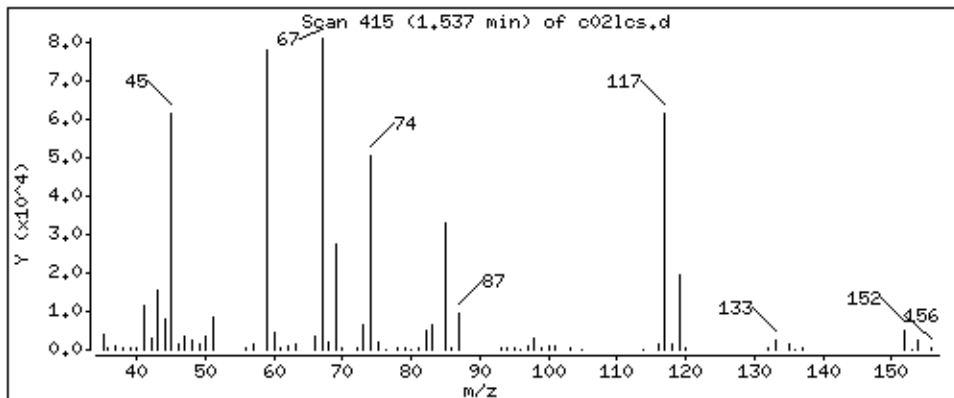
Operator: amv

Column phase: DB-624

Column diameter: 0,18

7 Diethyl ether

Concentration: 46,7 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

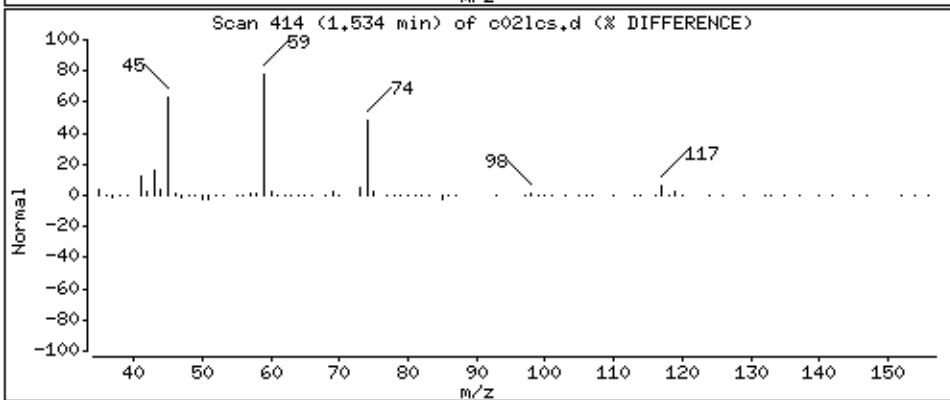
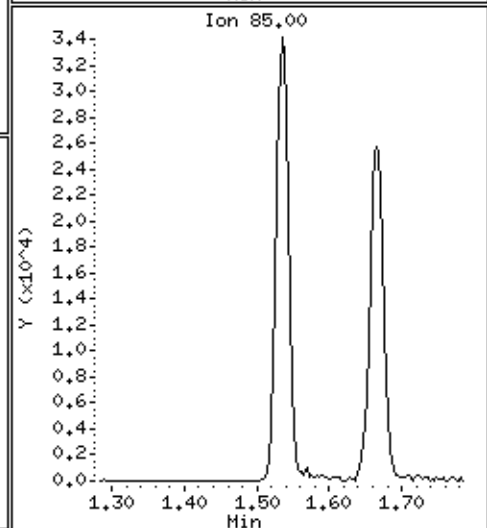
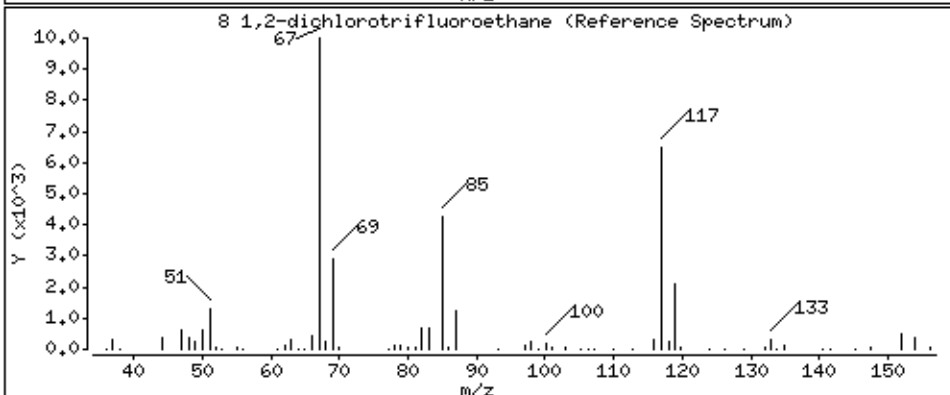
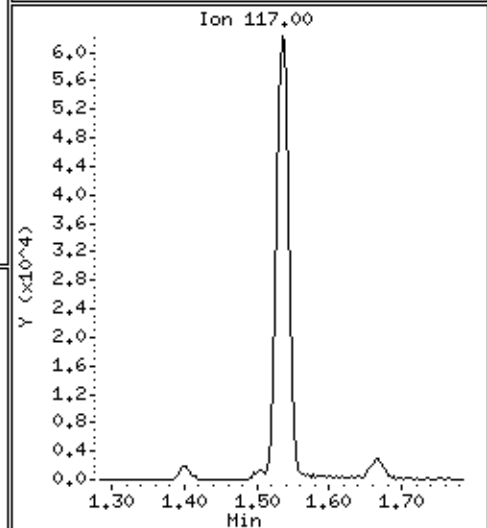
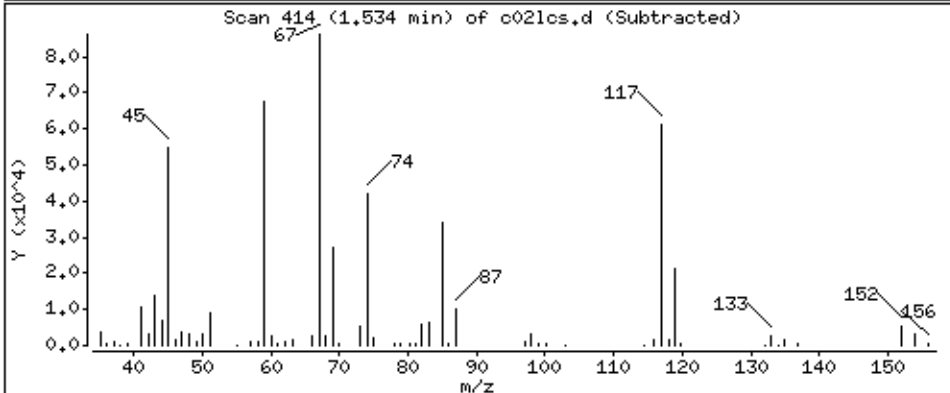
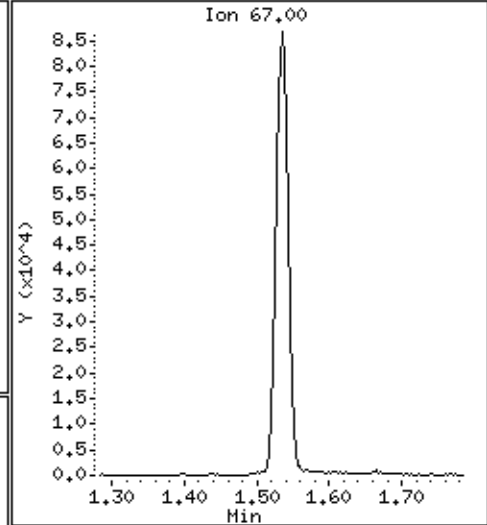
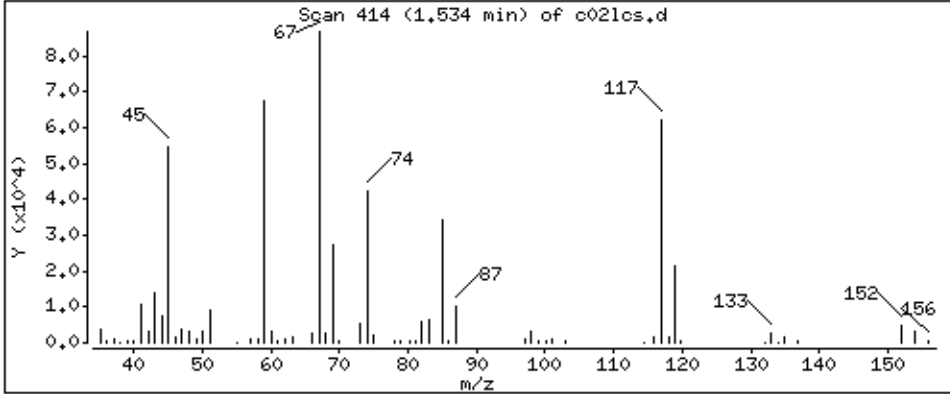
Operator: amv

Column phase: DB-624

Column diameter: 0,18

8 1,2-dichlorotrifluoroethane

Concentration: 54,7 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

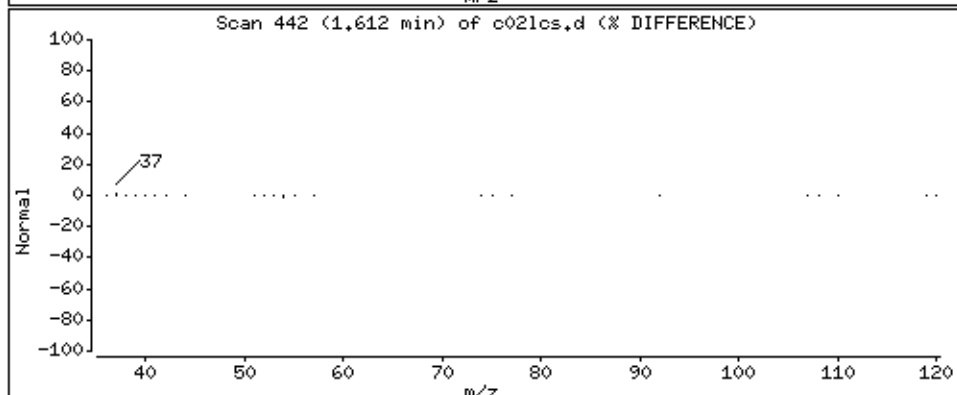
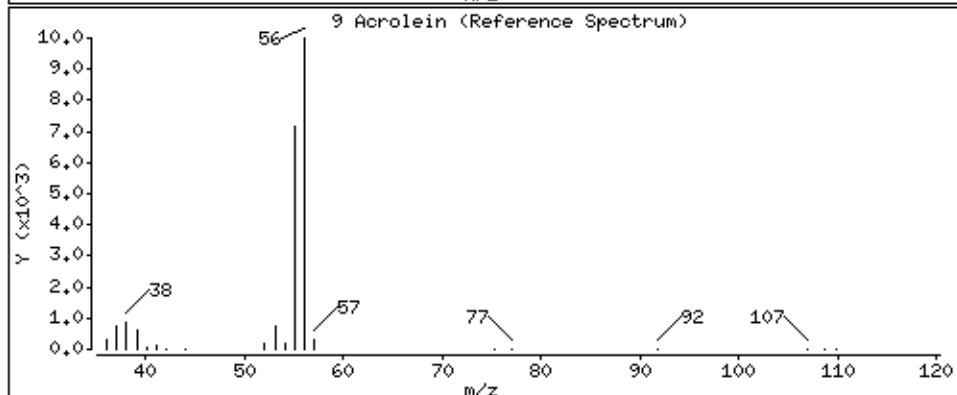
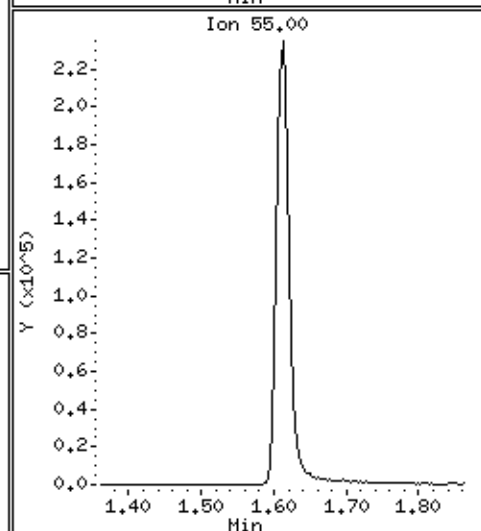
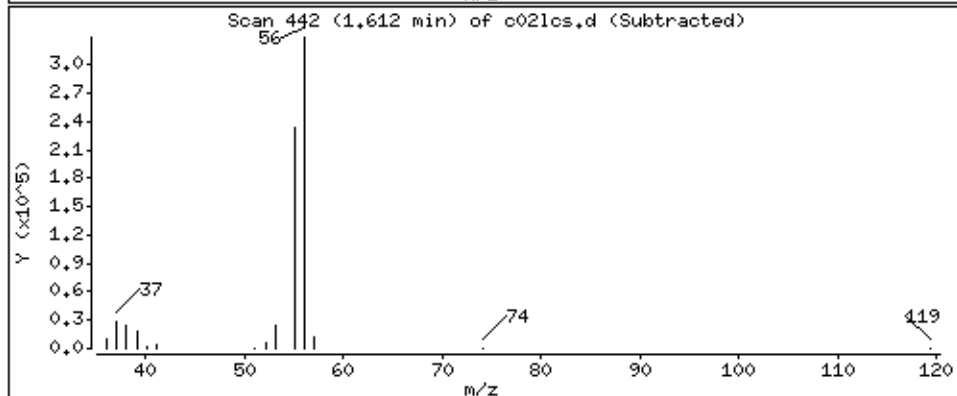
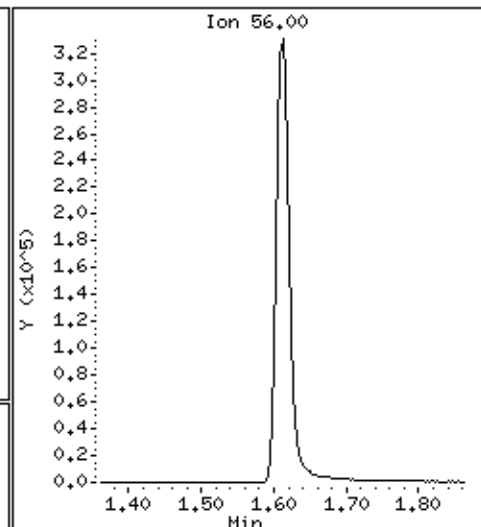
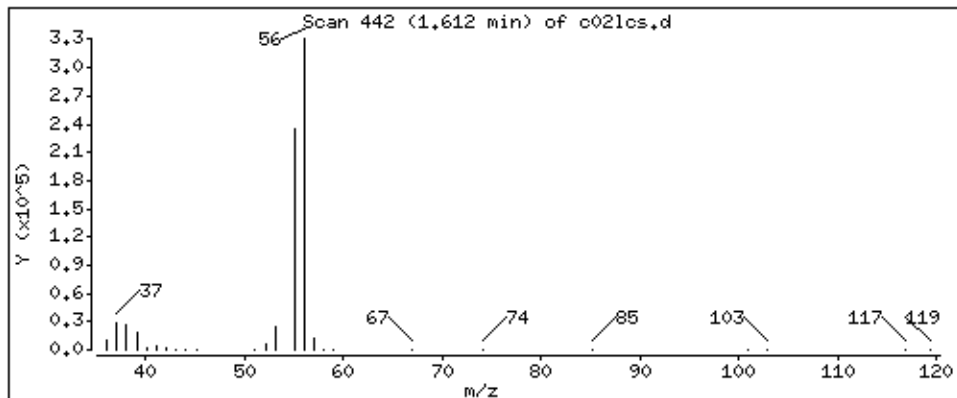
Operator: amv

Column phase: DB-624

Column diameter: 0.18

9 Acrolein

Concentration: 980 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mw2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

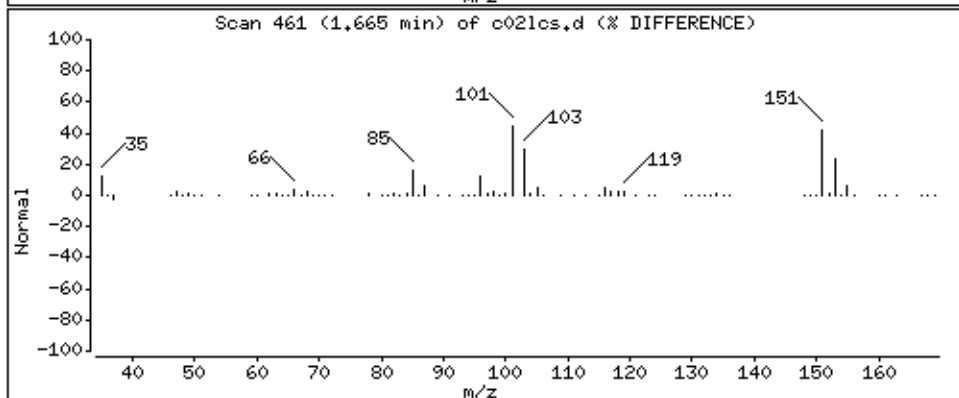
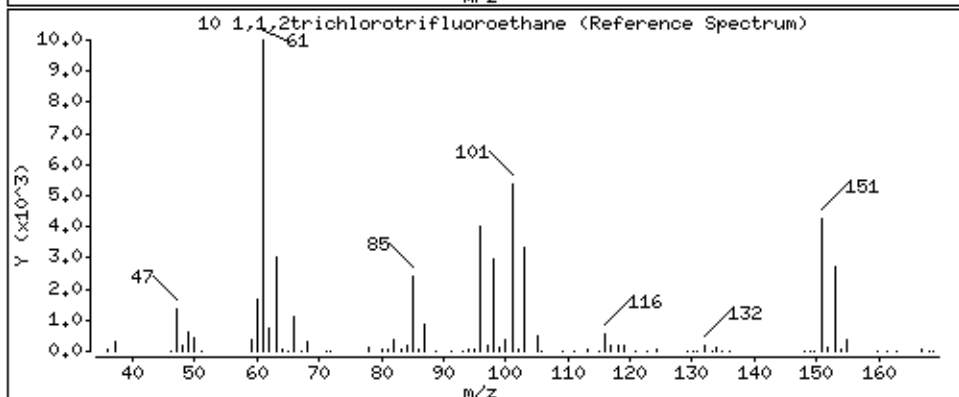
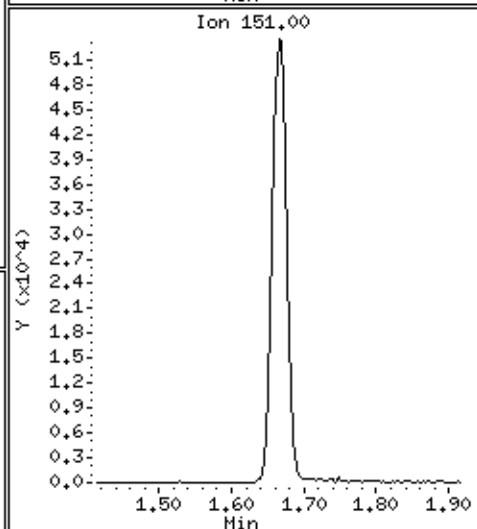
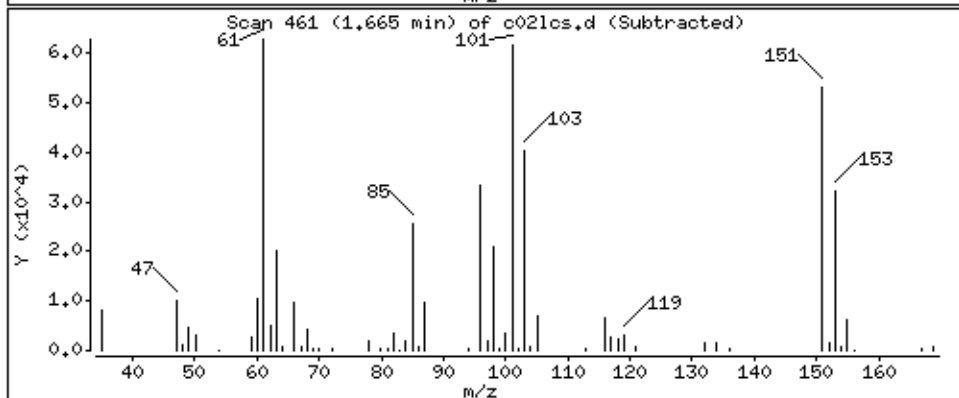
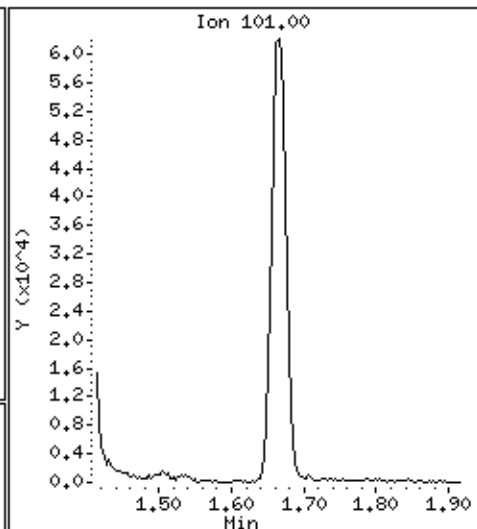
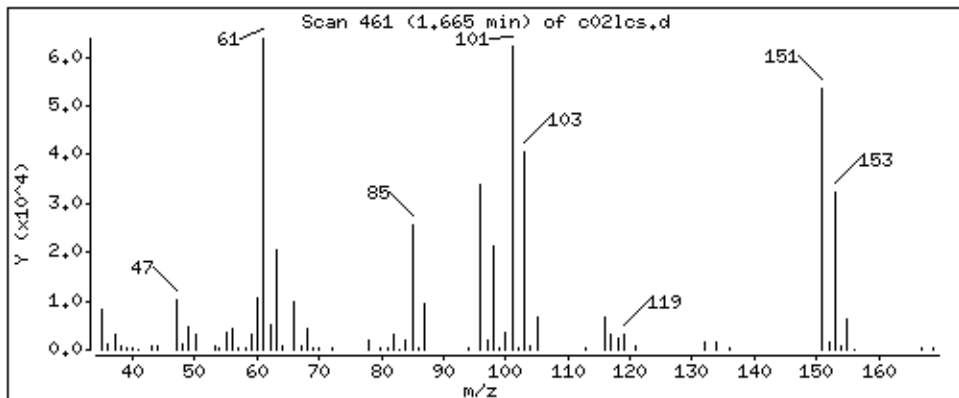
Operator: amv

Column phase: DB-624

Column diameter: 0,18

10 1,1,2trichlorotrifluoroethane

Concentration: 51.6 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mw2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

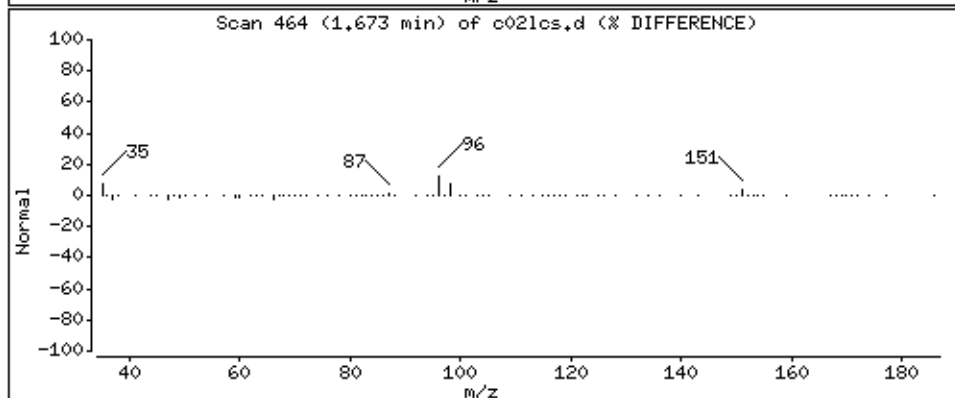
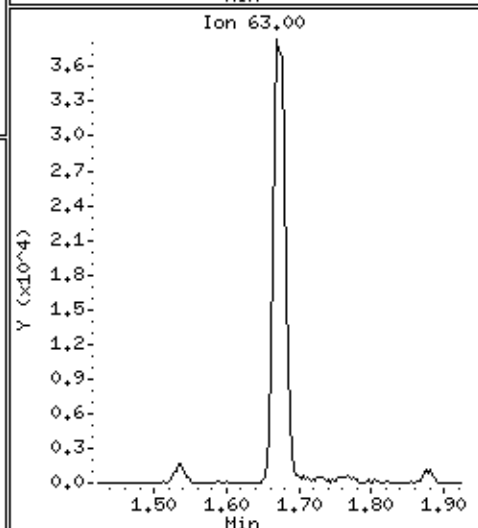
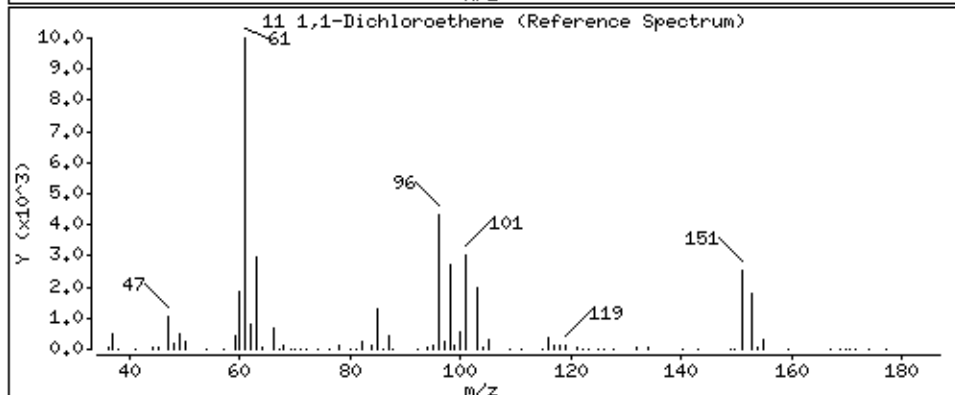
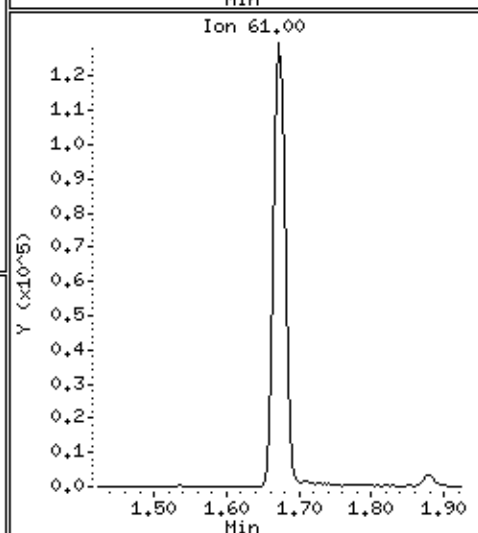
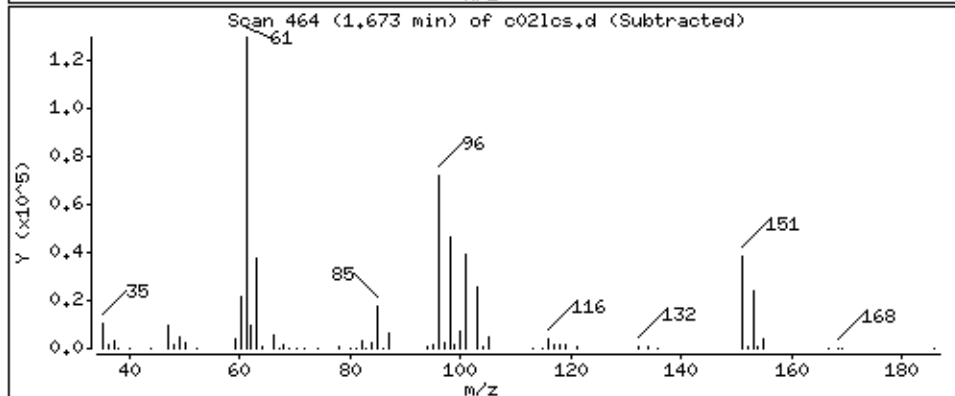
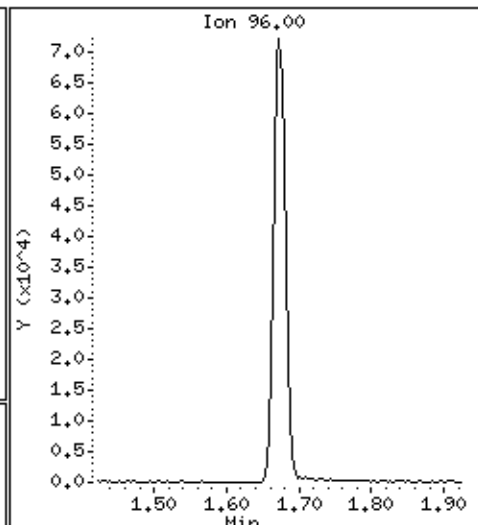
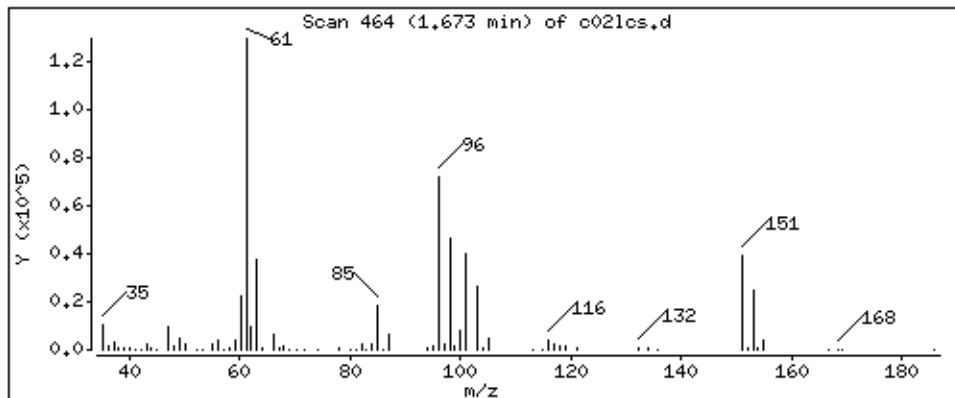
Operator: amv

Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 47.6 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

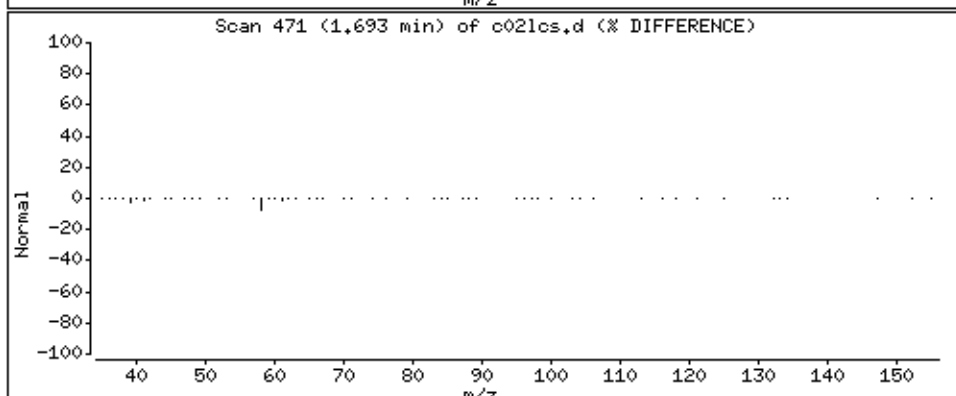
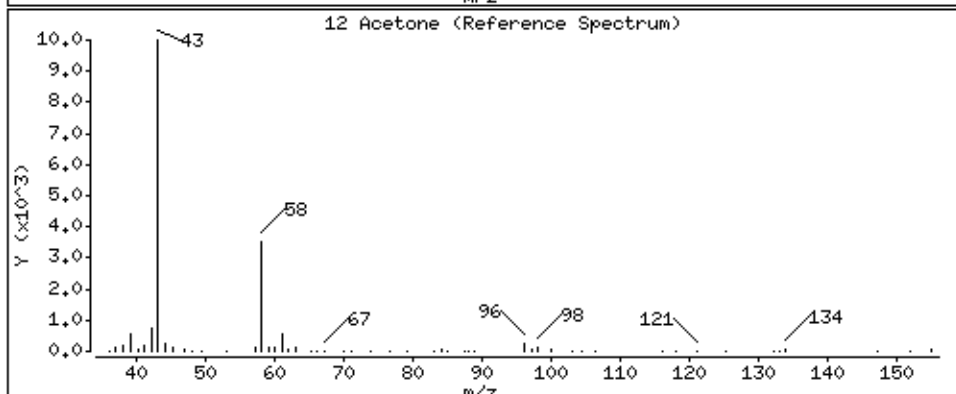
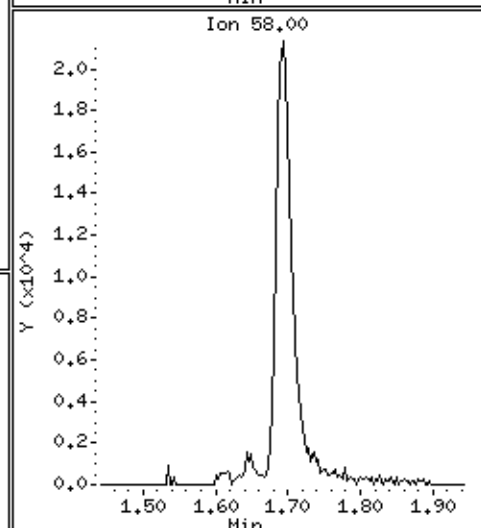
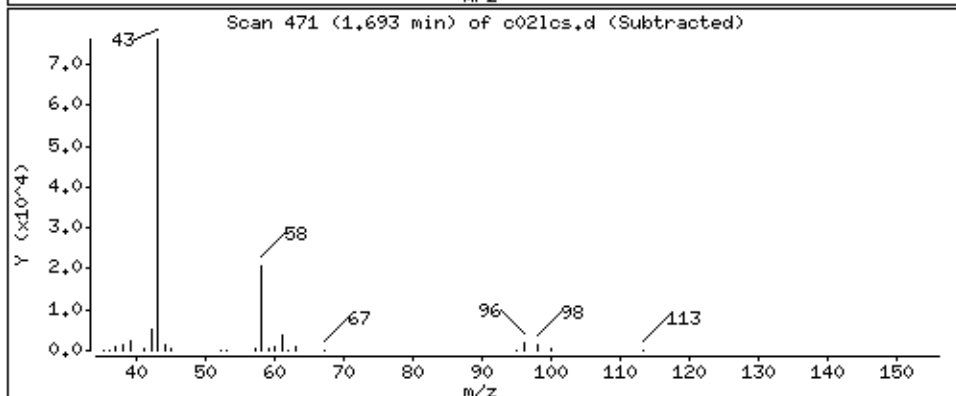
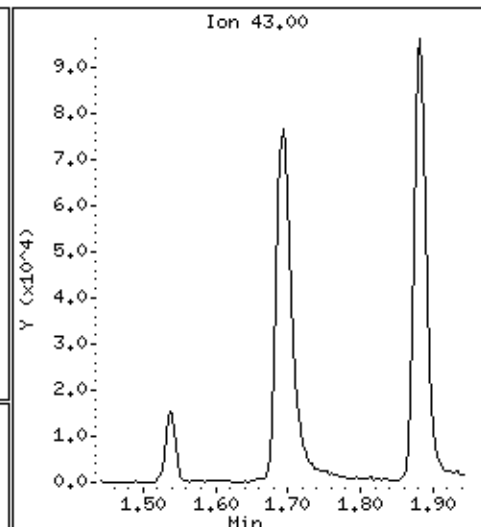
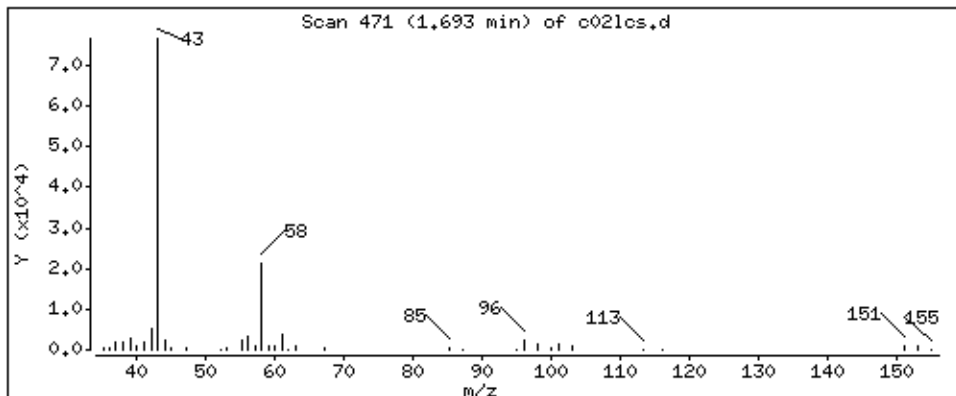
Operator: amv

Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 255 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

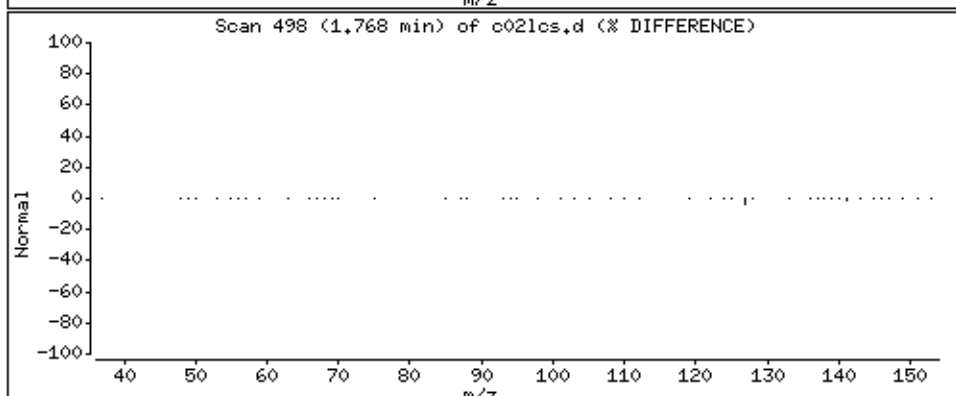
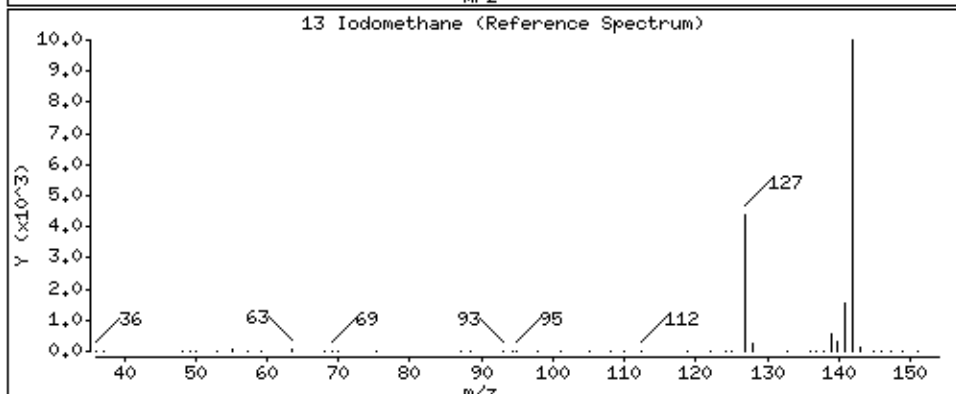
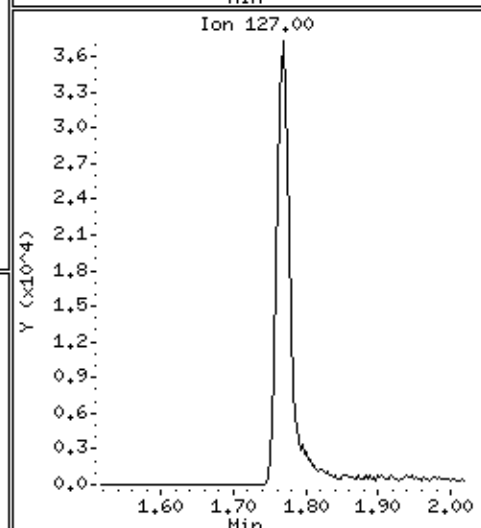
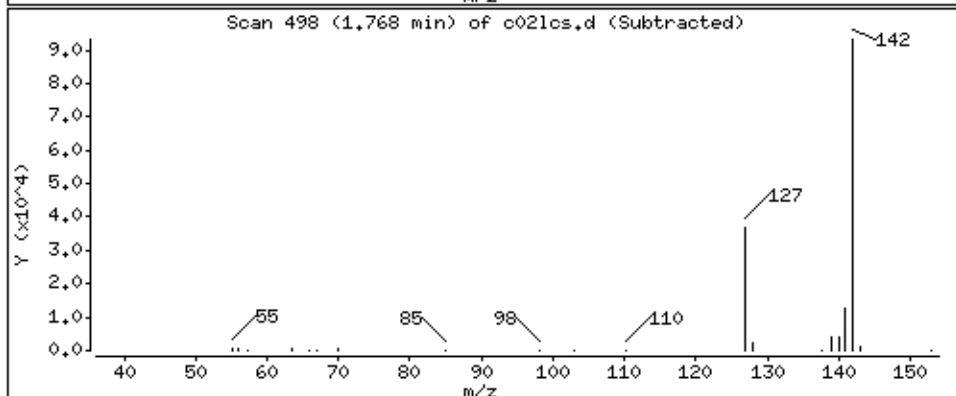
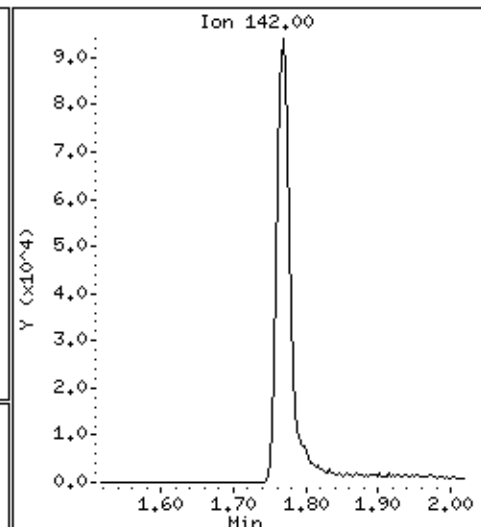
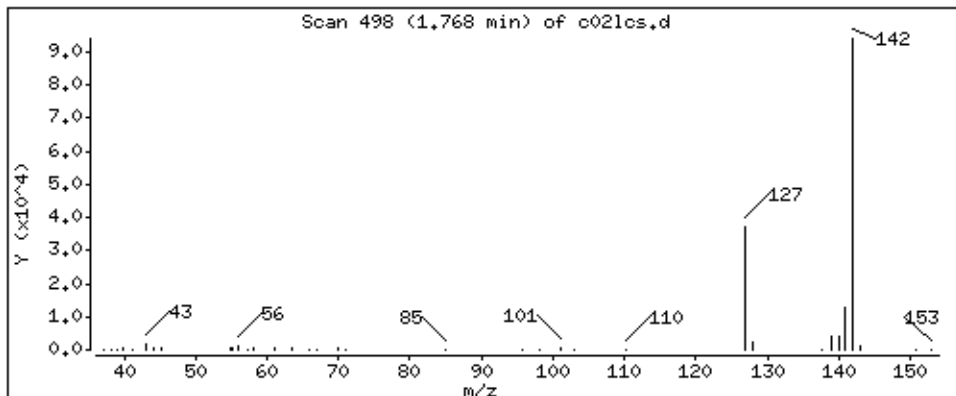
Operator: amv

Column phase: DB-624

Column diameter: 0,18

13 Iodomethane

Concentration: 68,6 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mw2a.i

Sample Info: 2118712,184314;5

Purge Volume: 5.0

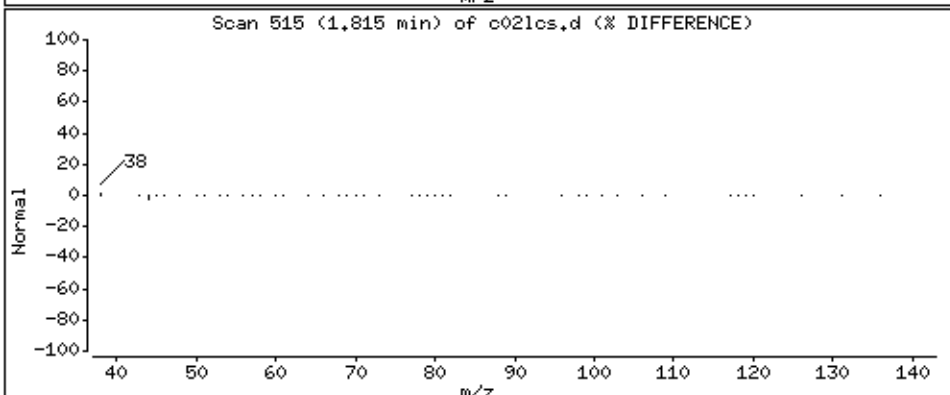
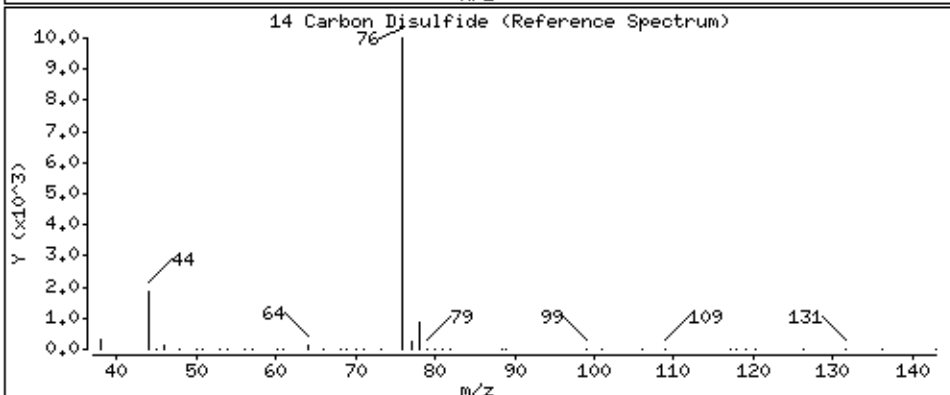
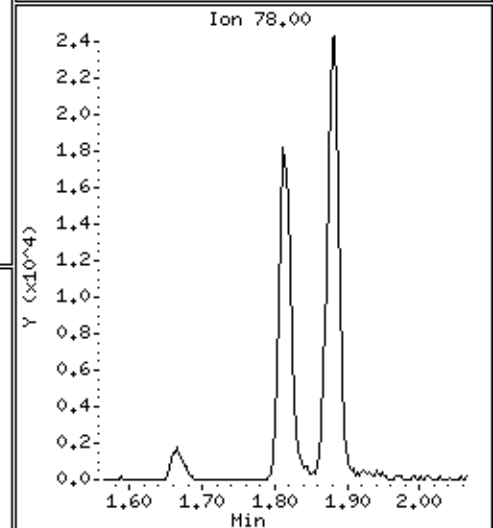
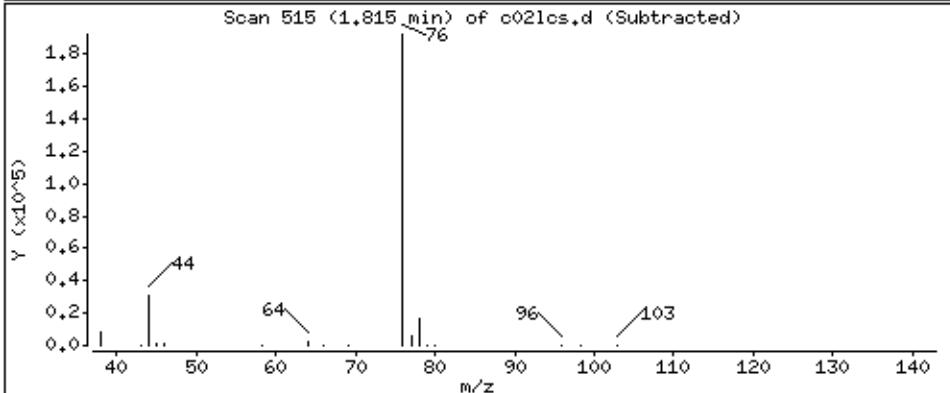
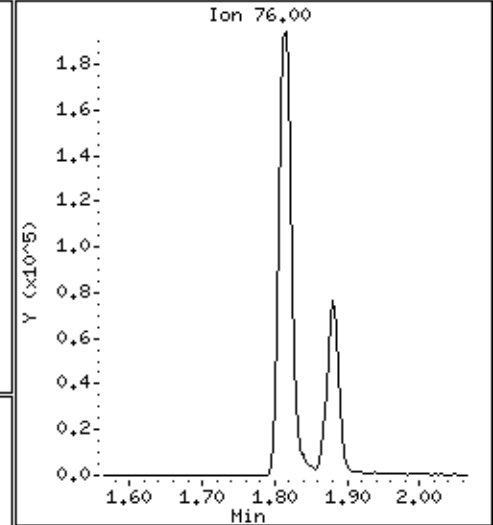
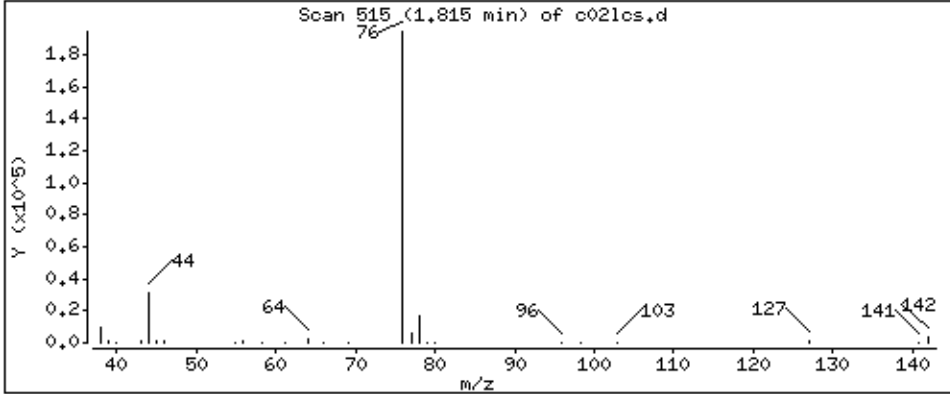
Operator: amv

Column phase: DB-624

Column diameter: 0,18

14 Carbon Disulfide

Concentration: 47,1 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

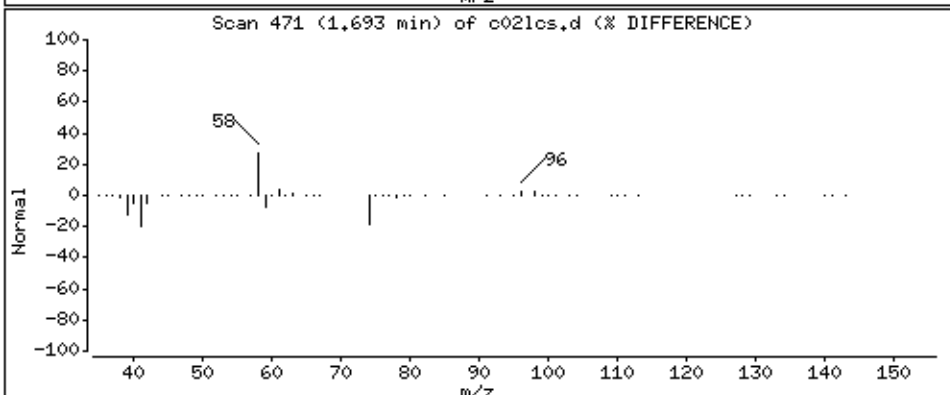
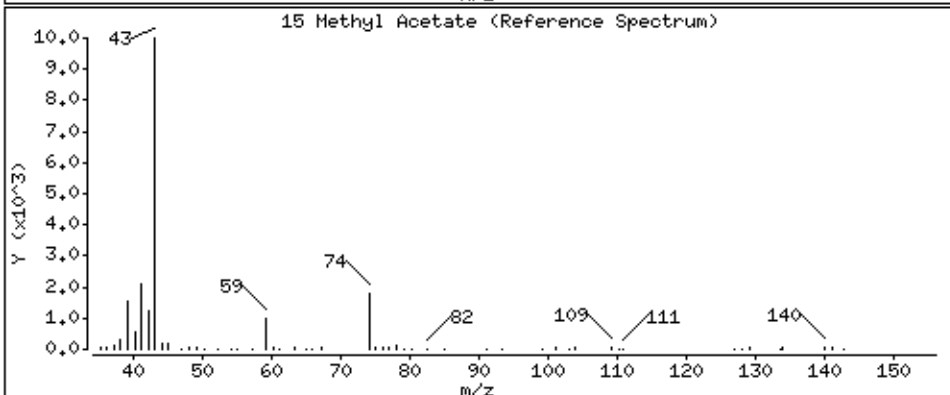
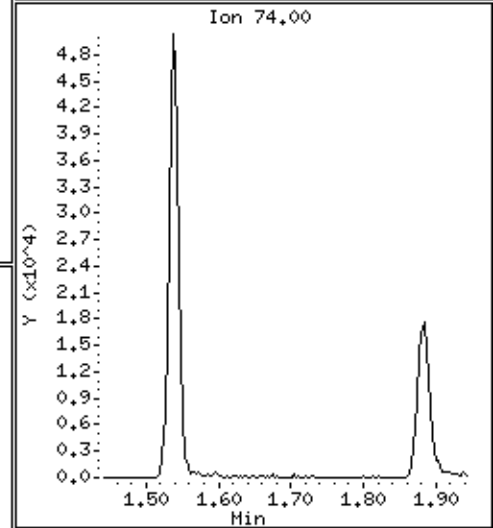
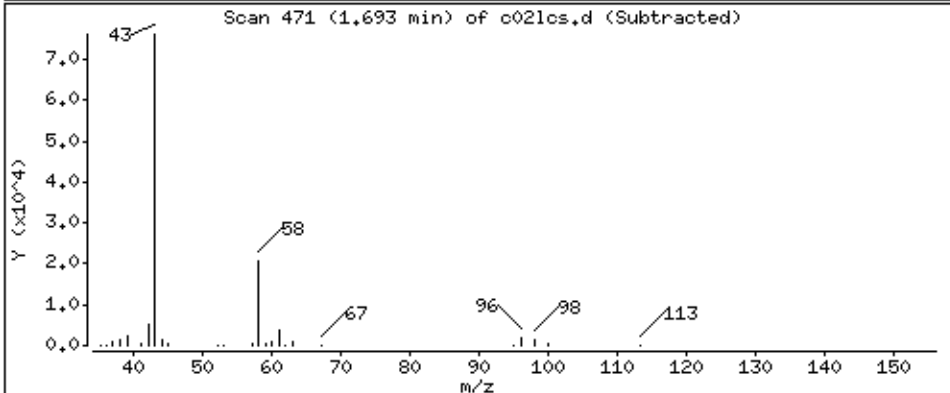
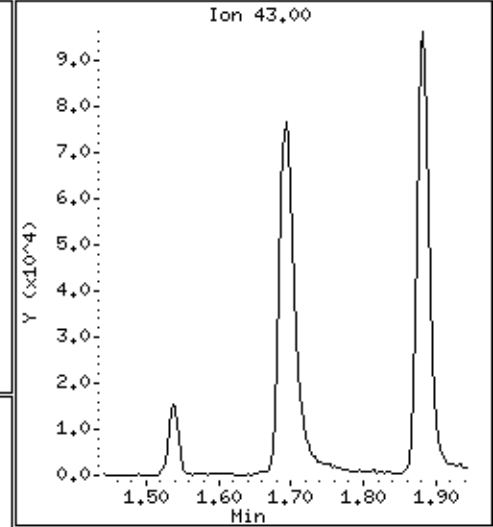
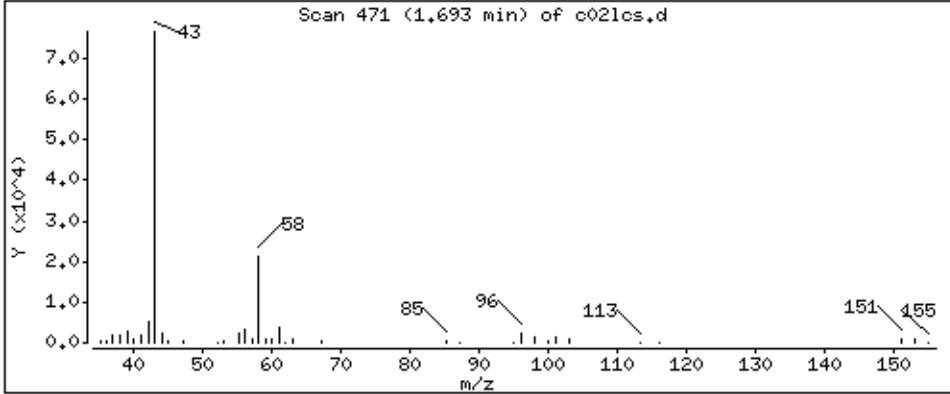
Operator: amv

Column phase: DB-624

Column diameter: 0,18

15 Methyl Acetate

Concentration: 50,7 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314;5

Purge Volume: 5.0

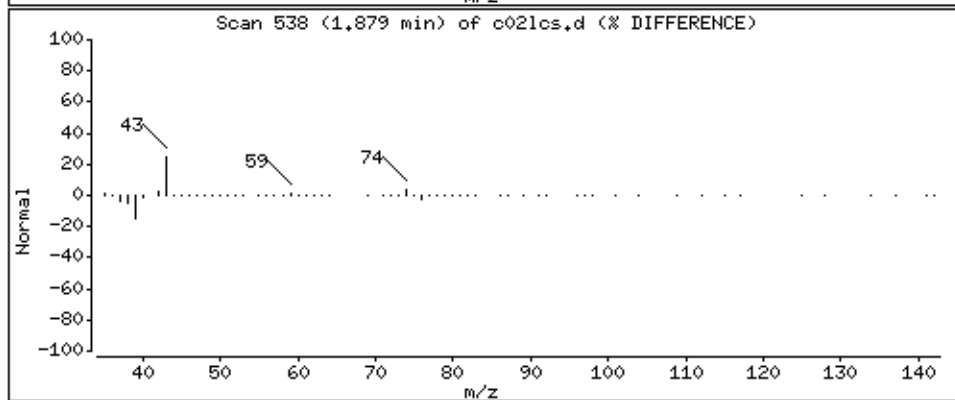
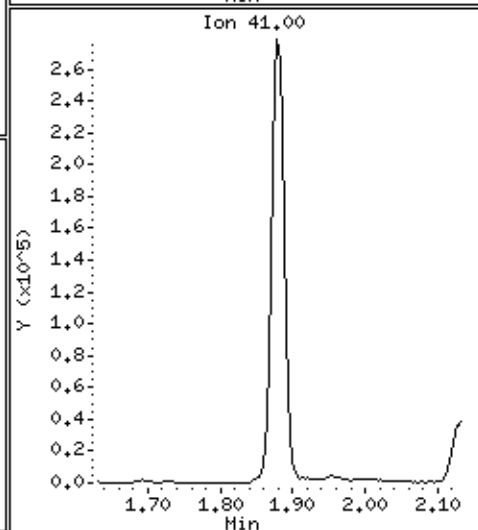
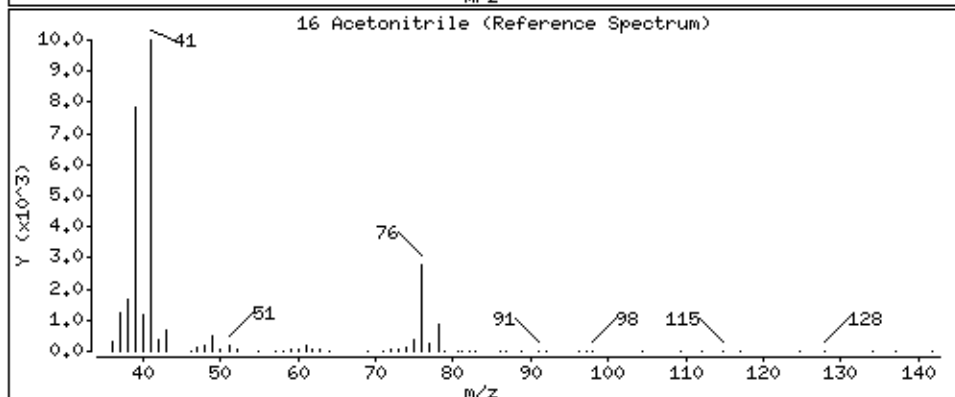
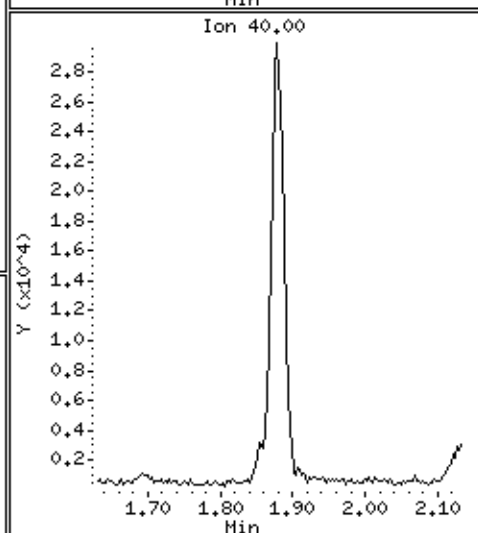
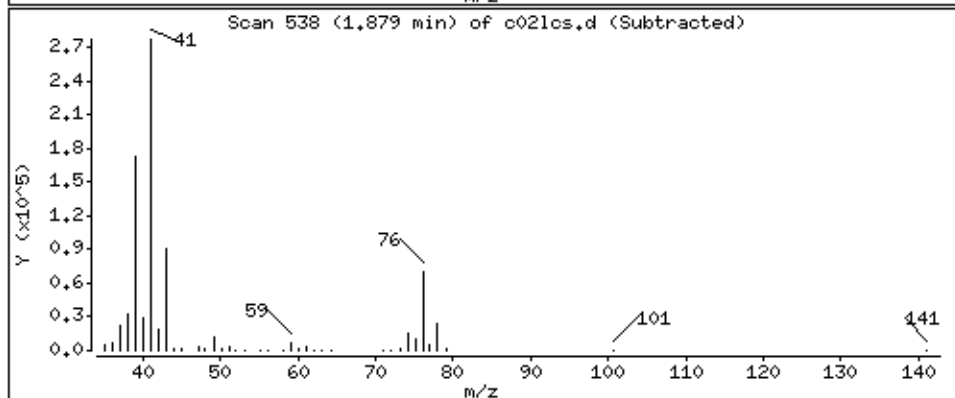
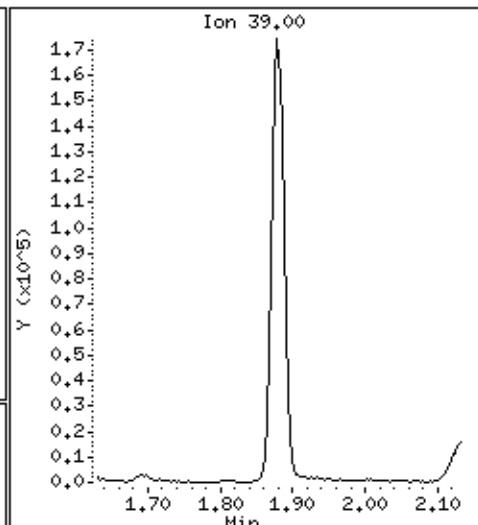
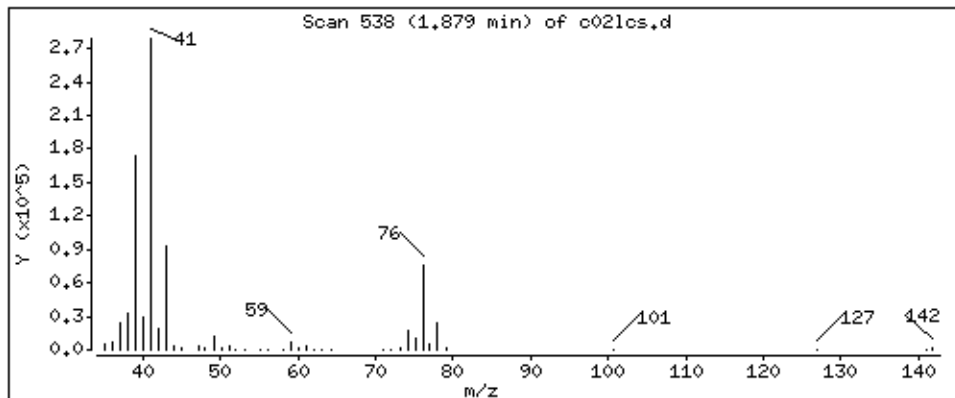
Operator: amv

Column phase: DB-624

Column diameter: 0,18

16 Acetonitrile

Concentration: 38,6 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

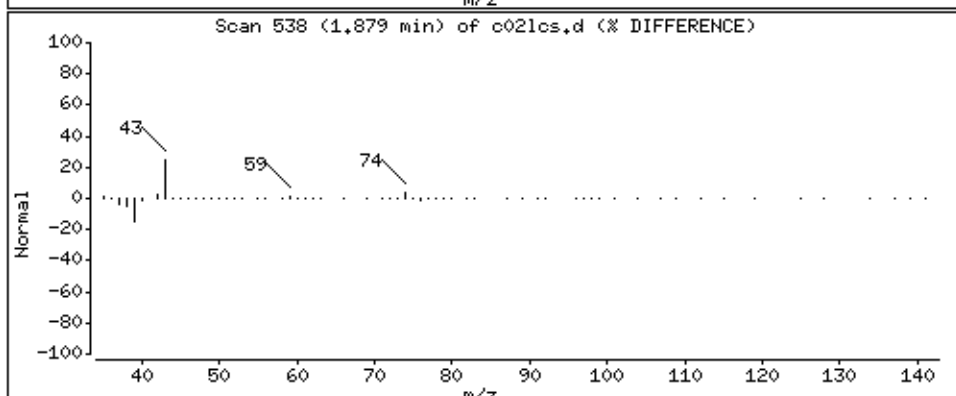
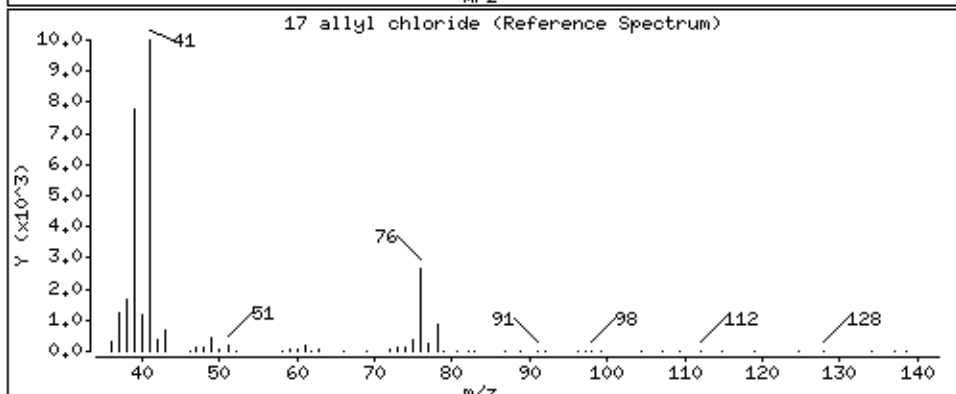
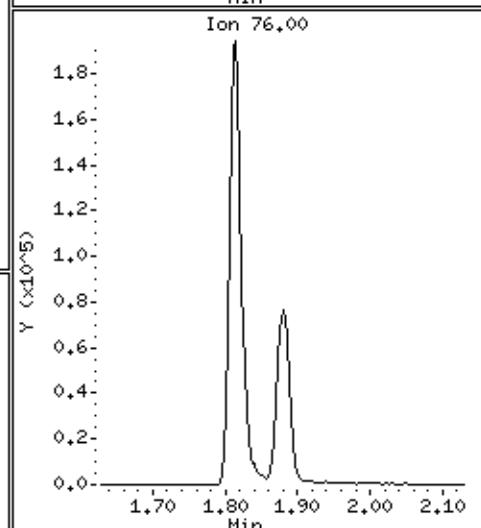
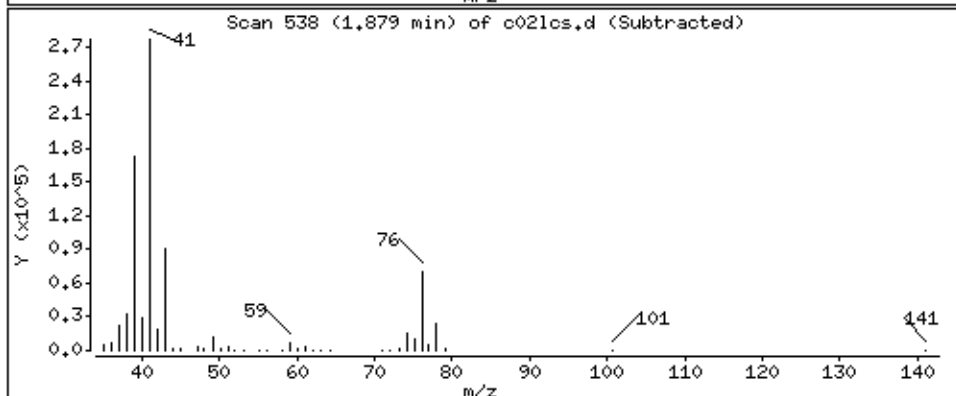
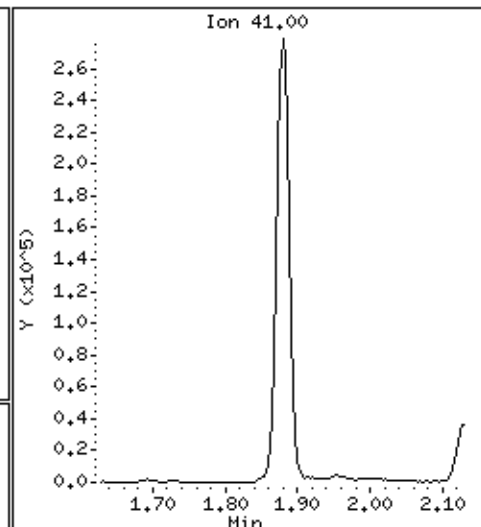
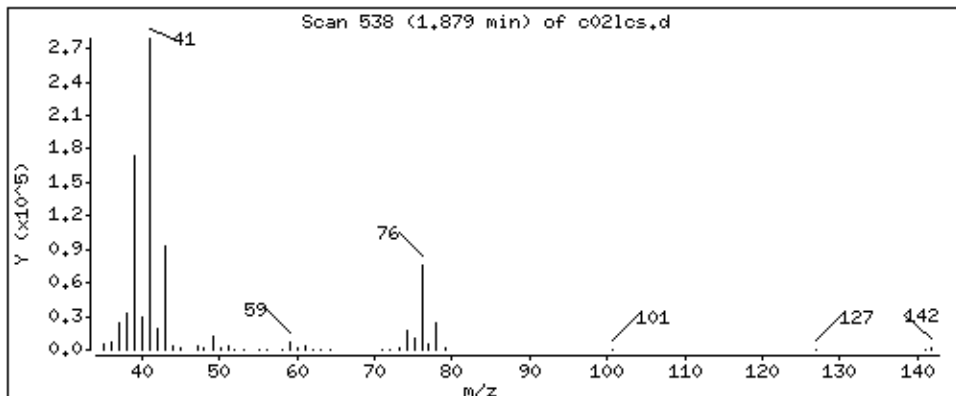
Operator: amv

Column phase: DB-624

Column diameter: 0.18

17 allyl chloride

Concentration: 95.4 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314;5

Purge Volume: 5.0

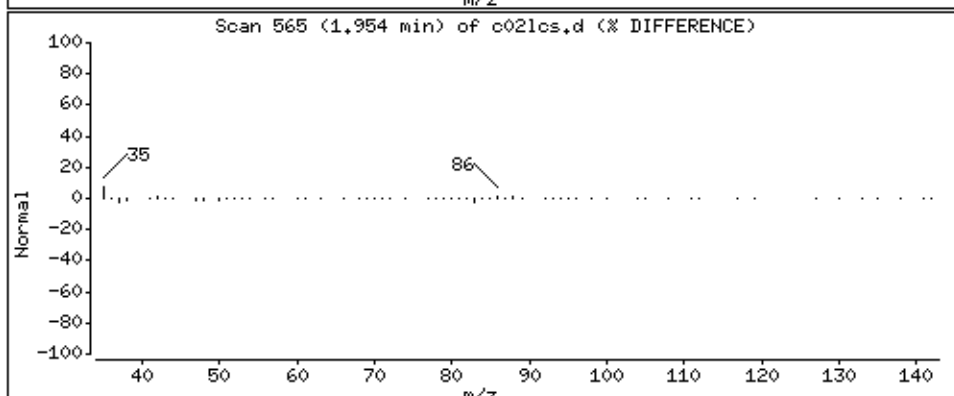
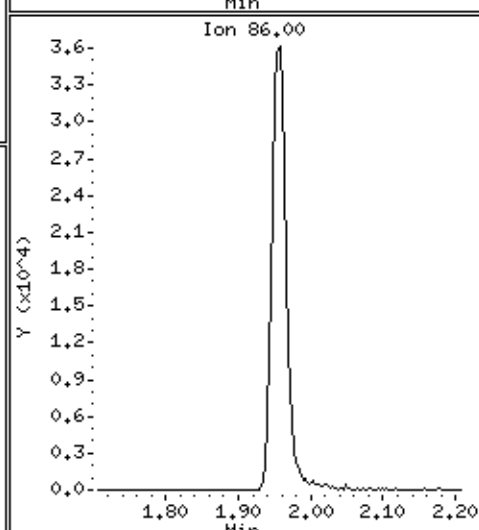
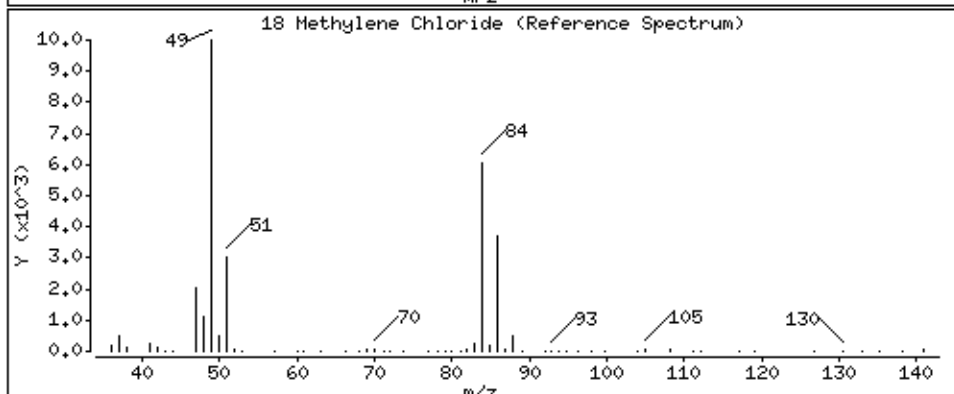
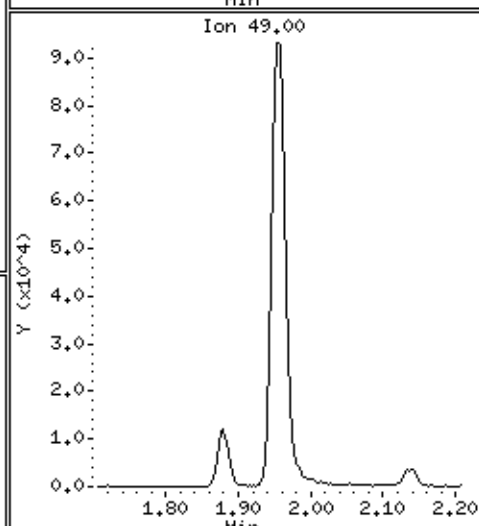
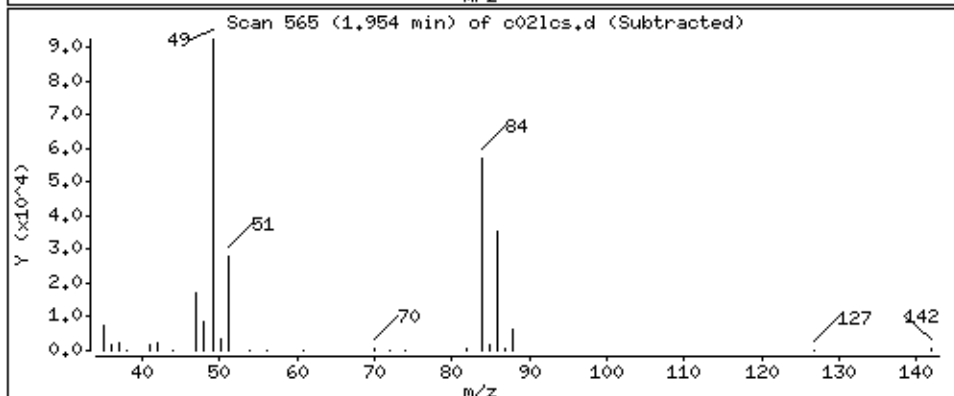
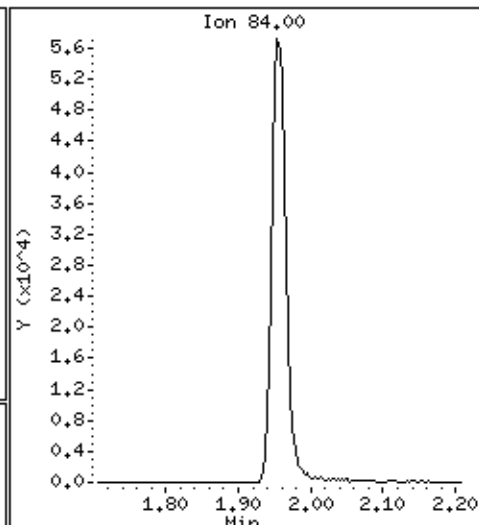
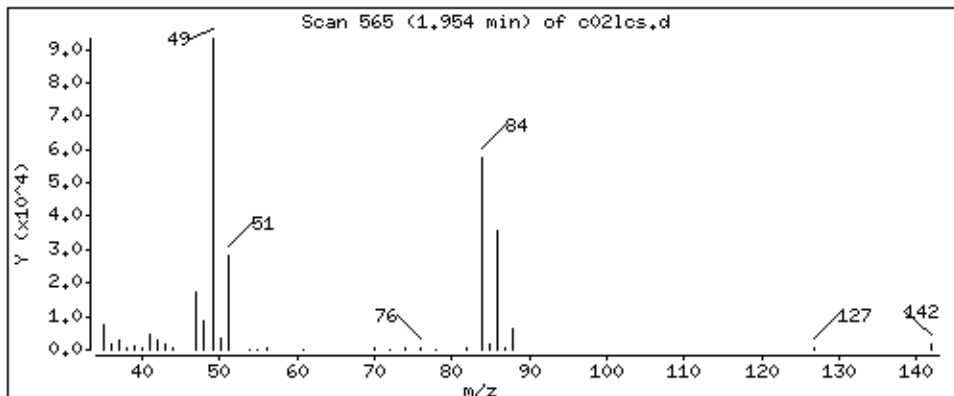
Operator: amv

Column phase: DB-624

Column diameter: 0,18

18 Methylene Chloride

Concentration: 47.2 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

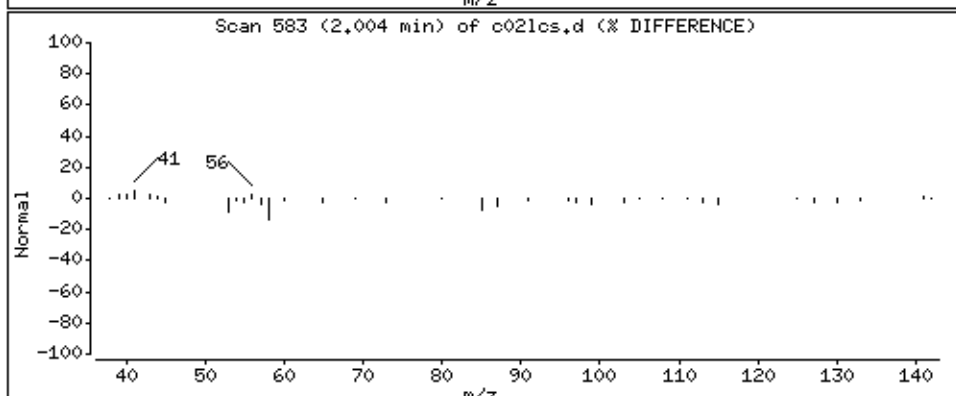
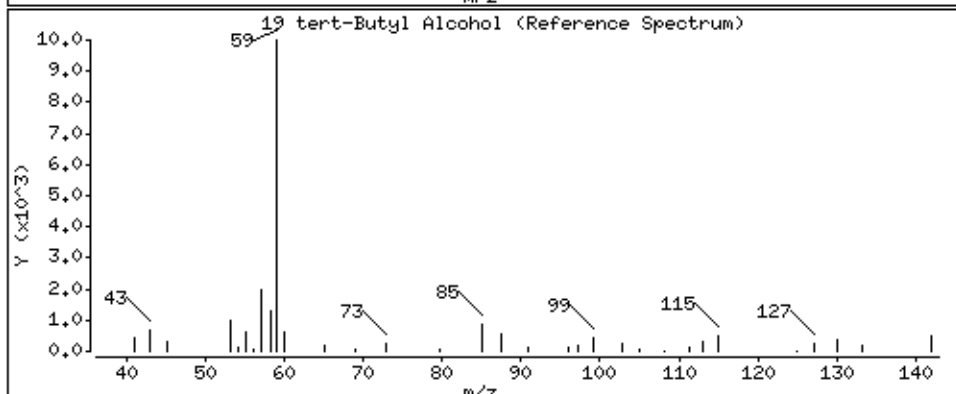
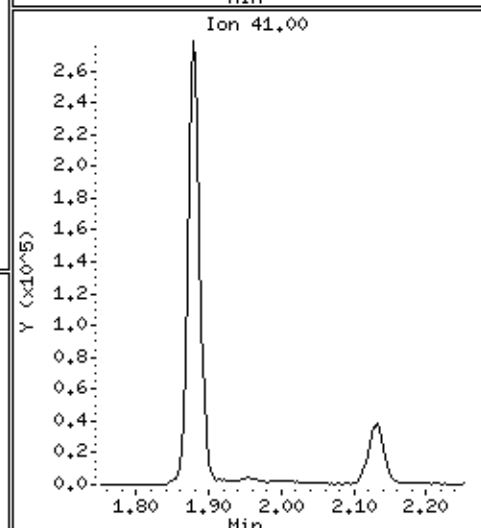
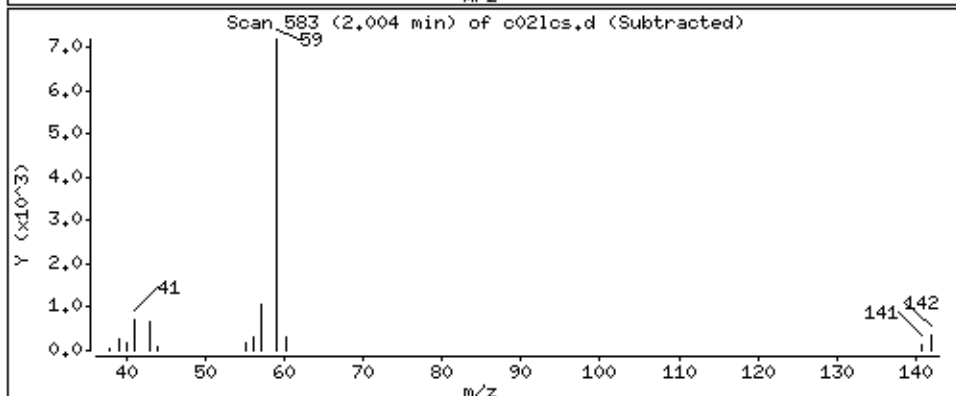
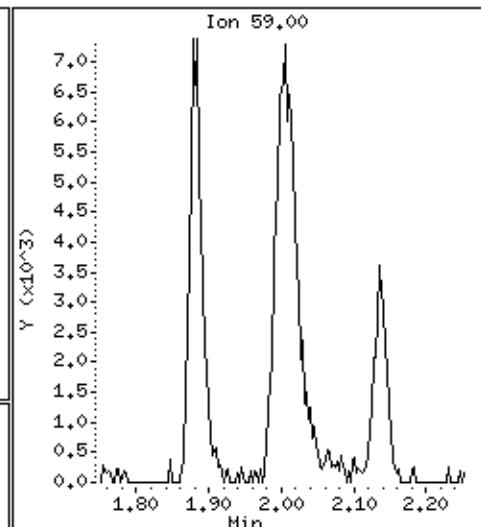
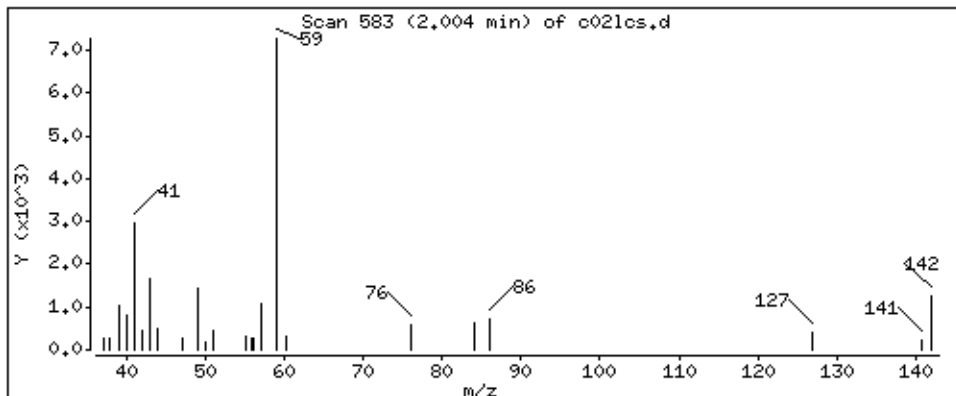
Operator: amv

Column phase: DB-624

Column diameter: 0,18

19 tert-Butyl Alcohol

Concentration: 106 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314;5

Purge Volume: 5.0

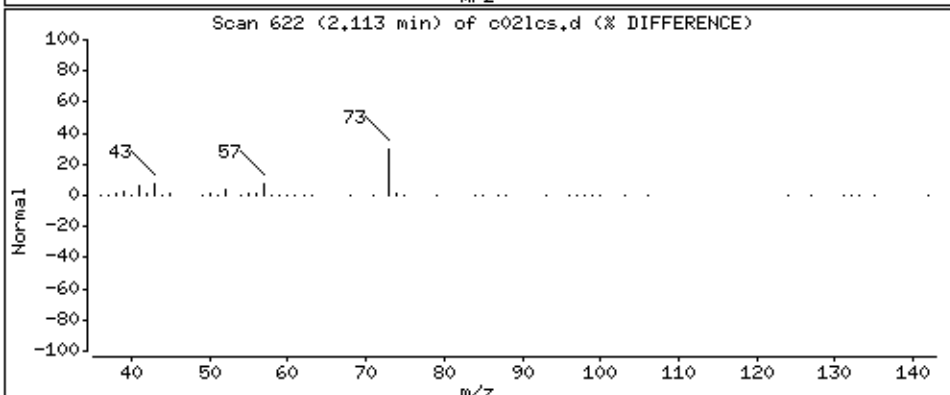
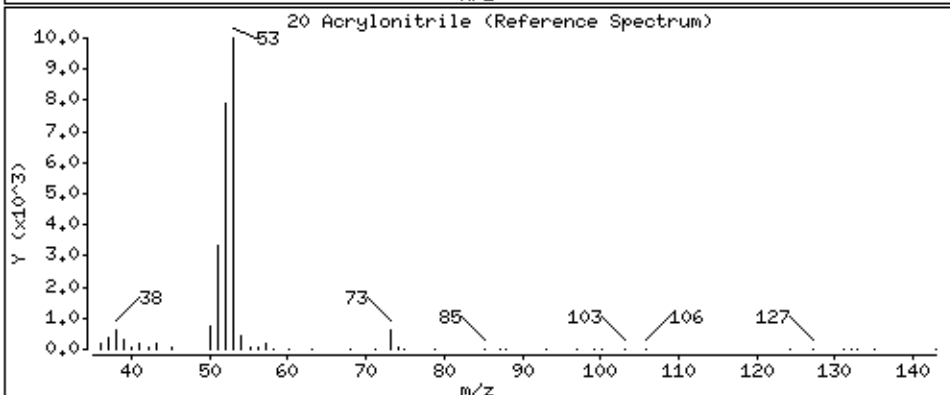
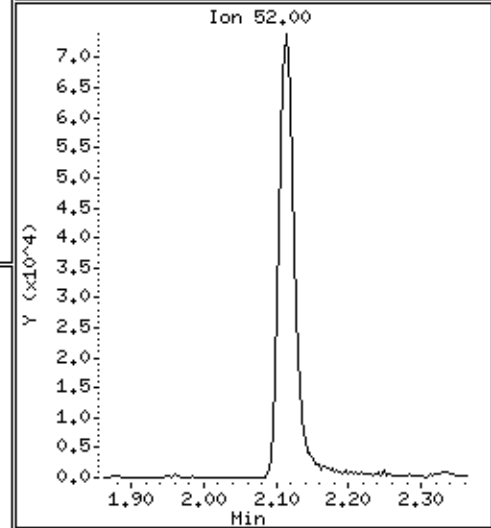
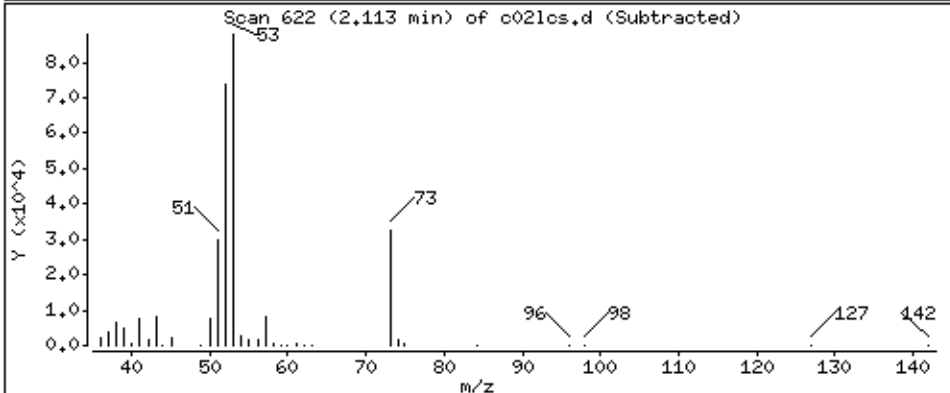
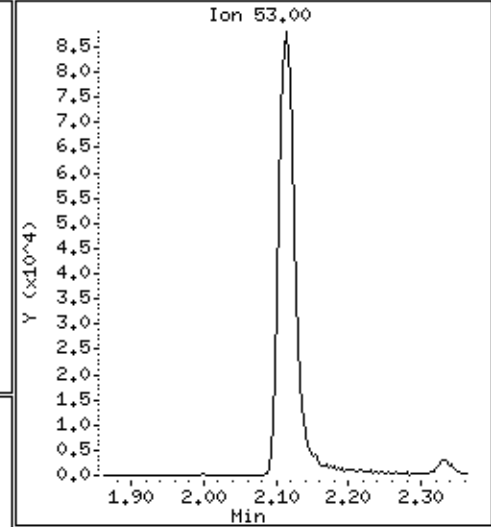
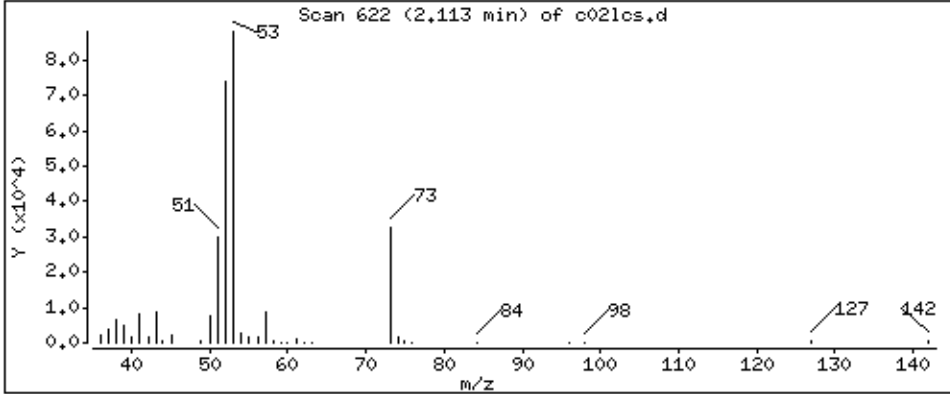
Operator: amv

Column phase: DB-624

Column diameter: 0,18

20 Acrylonitrile

Concentration: 195 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

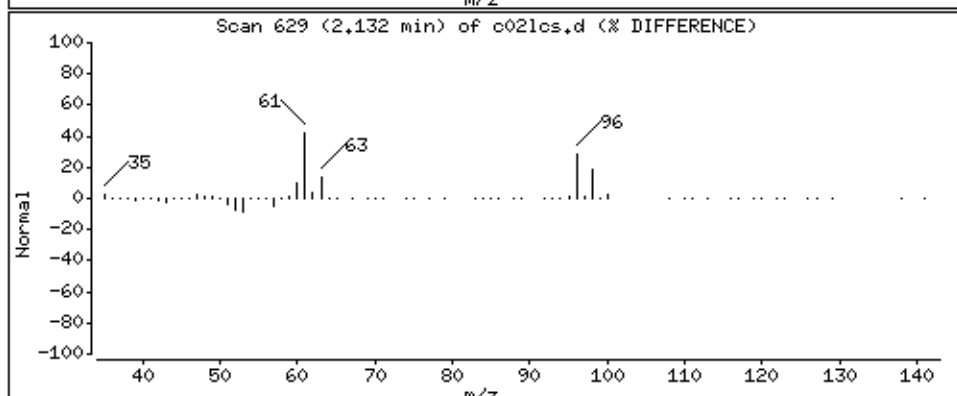
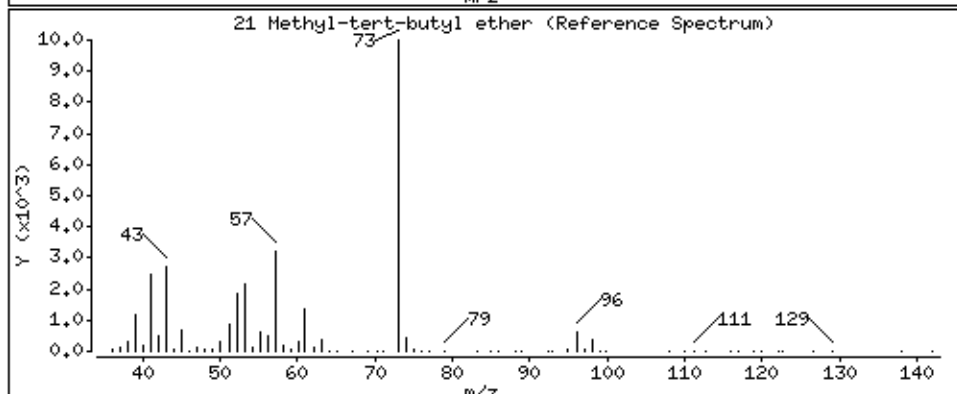
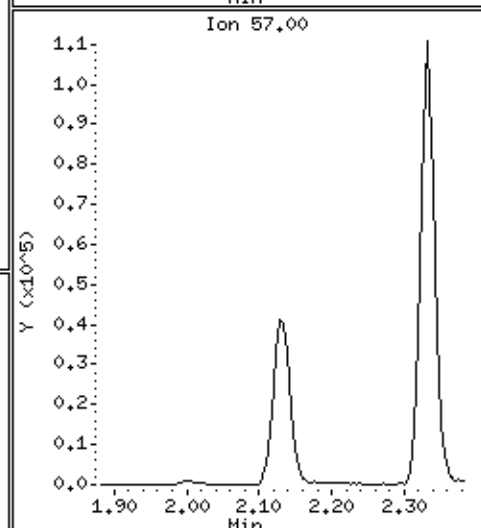
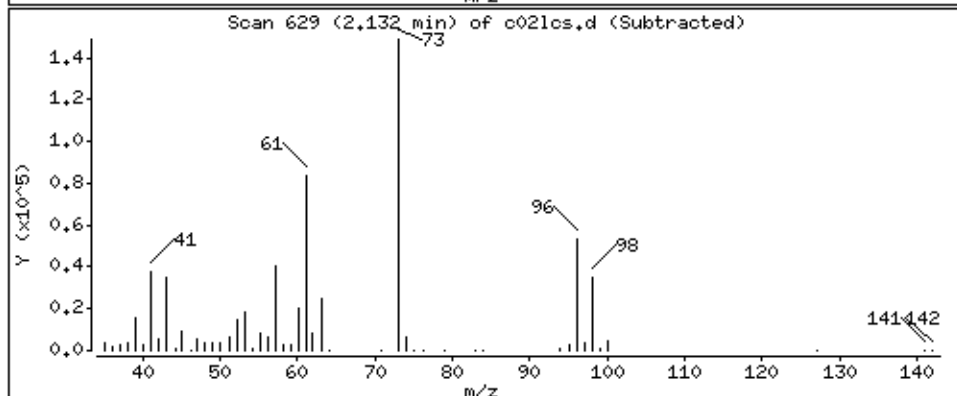
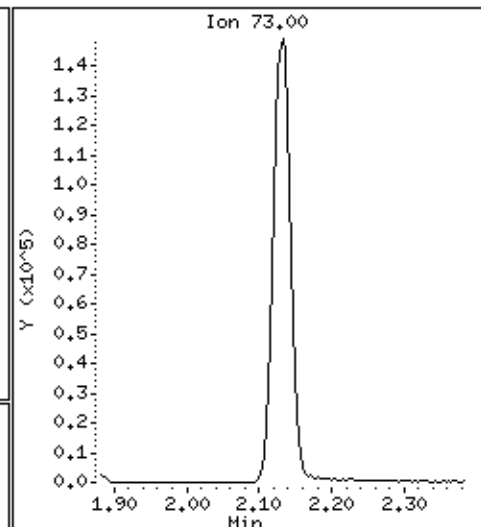
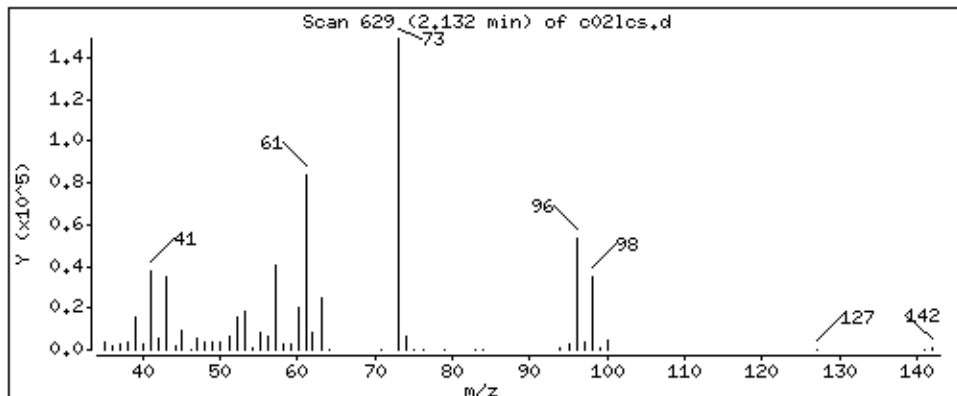
Operator: amv

Column phase: DB-624

Column diameter: 0,18

21 Methyl-tert-butyl ether

Concentration: 49,8 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

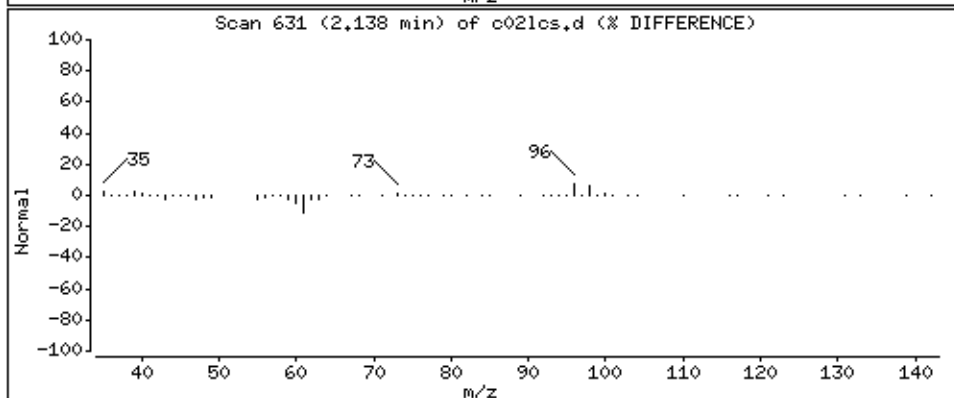
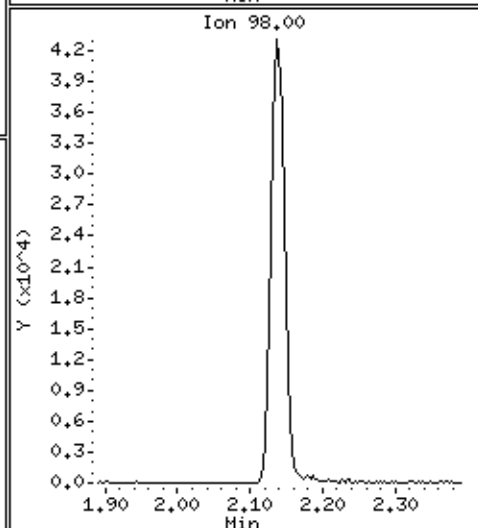
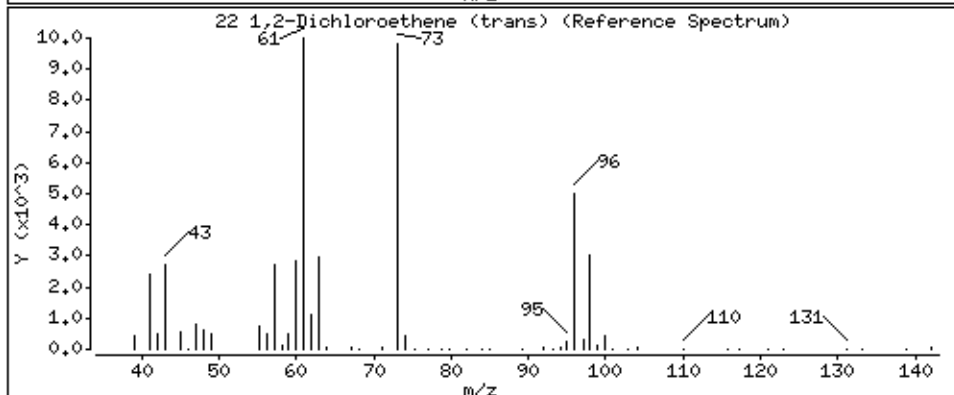
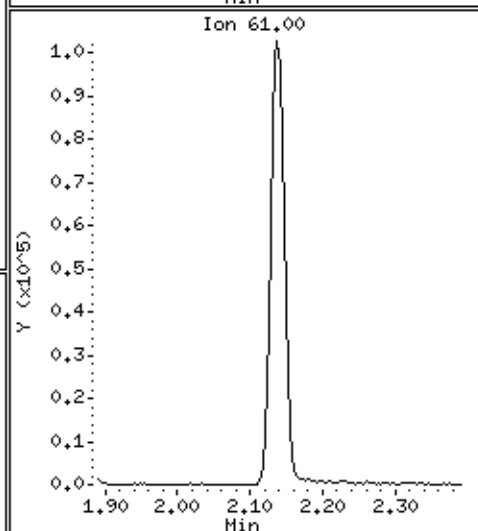
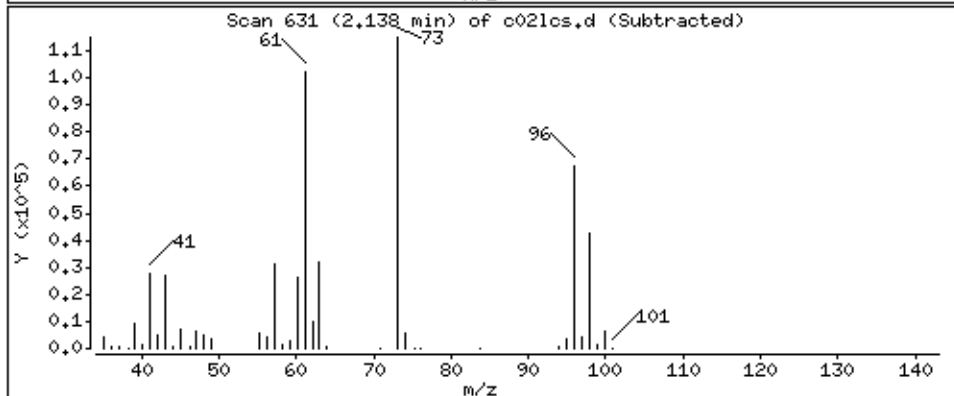
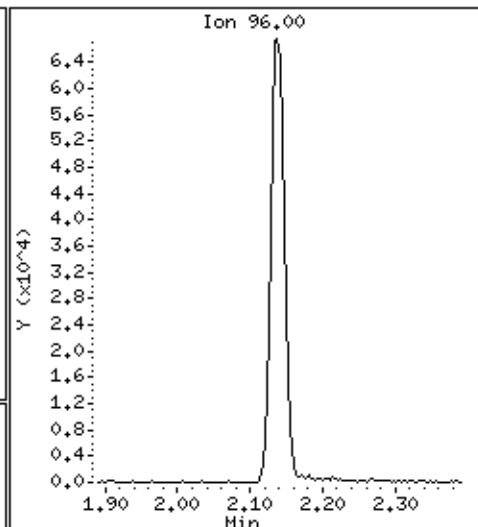
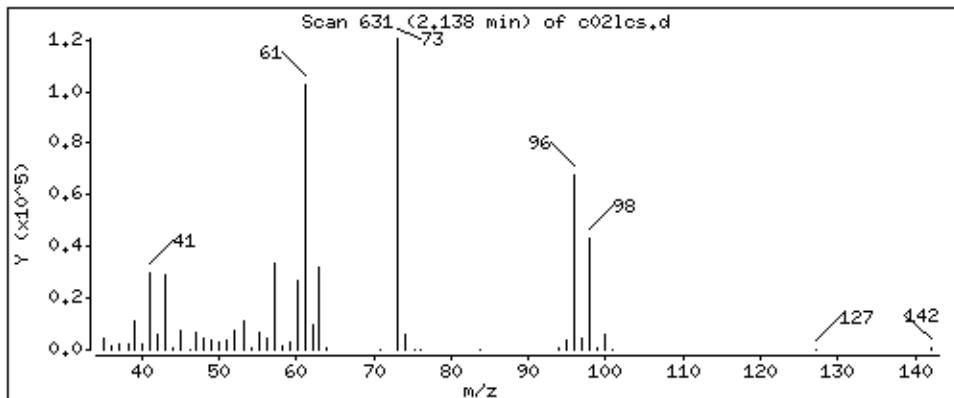
Operator: amv

Column phase: DB-624

Column diameter: 0,18

22 1,2-Dichloroethene (trans)

Concentration: 47,5 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

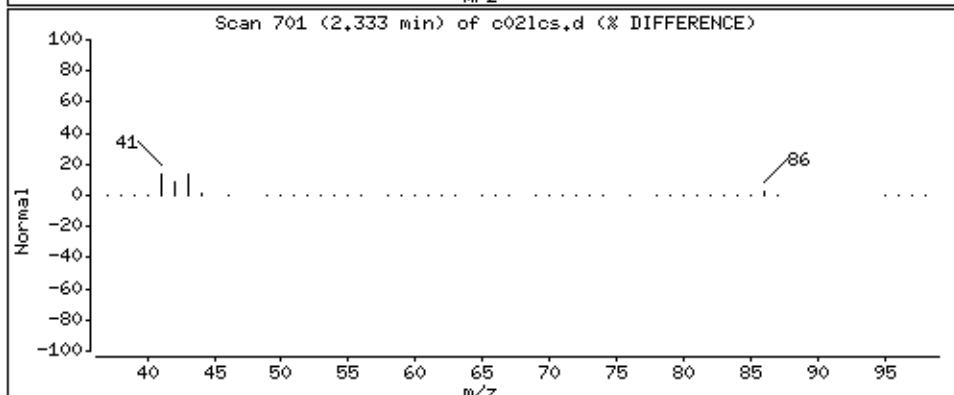
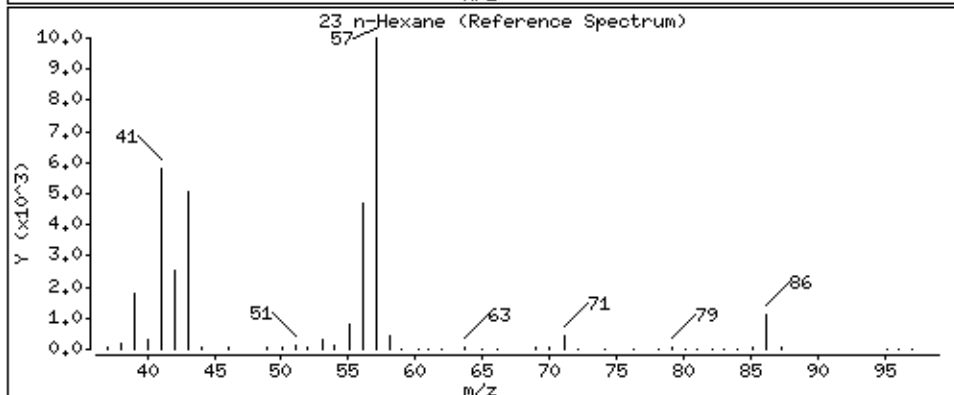
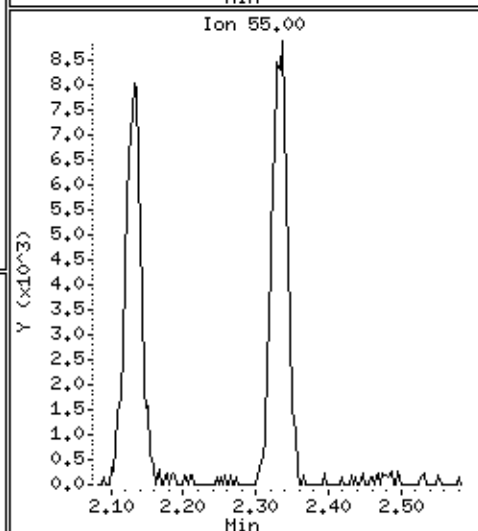
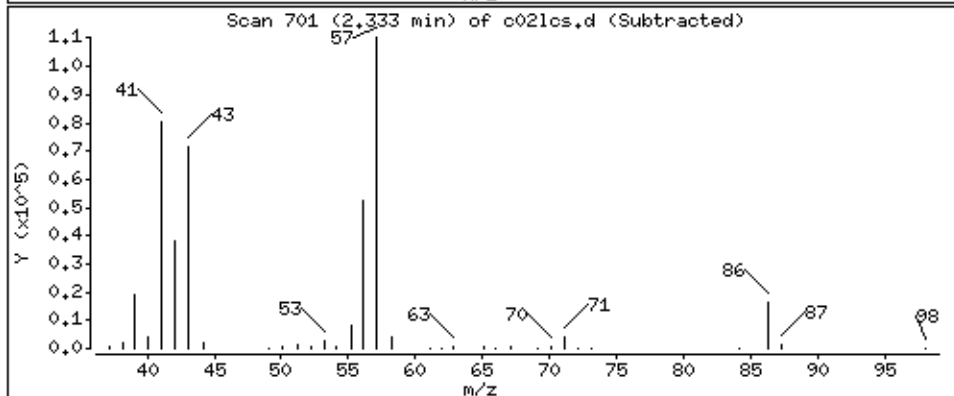
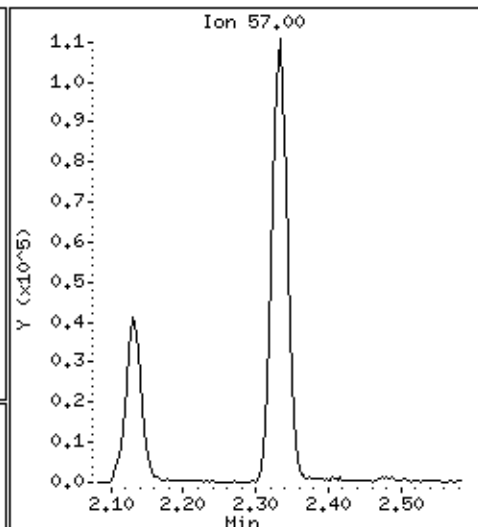
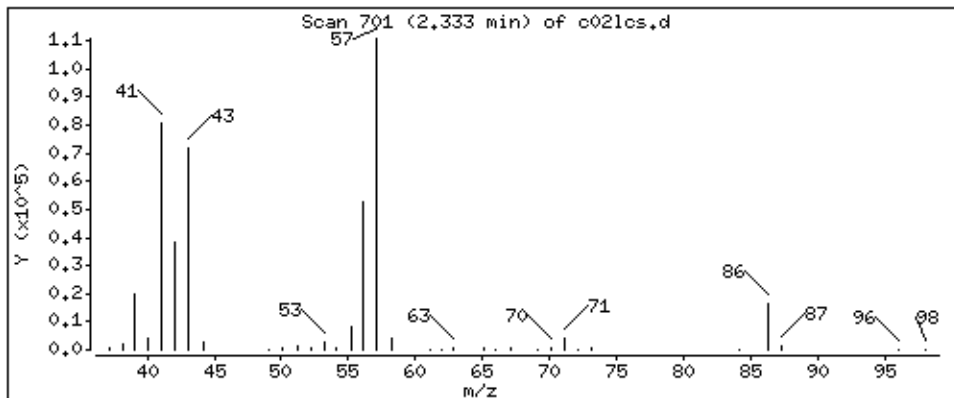
Operator: amv

Column phase: DB-624

Column diameter: 0,18

23 n-Hexane

Concentration: 46,1 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

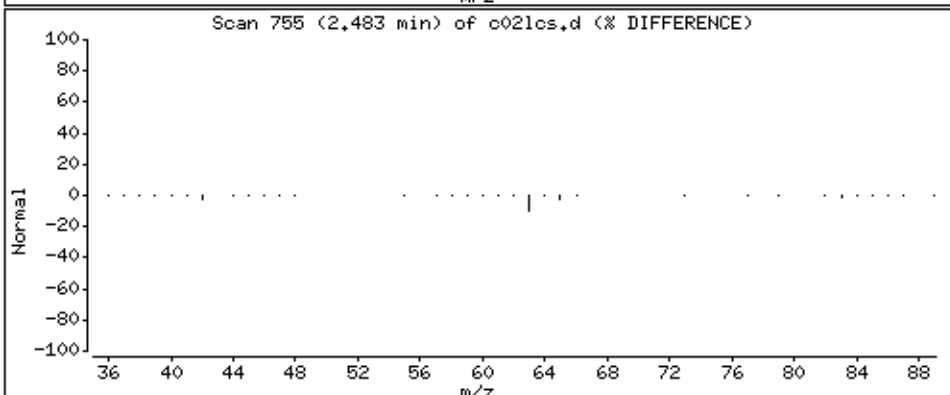
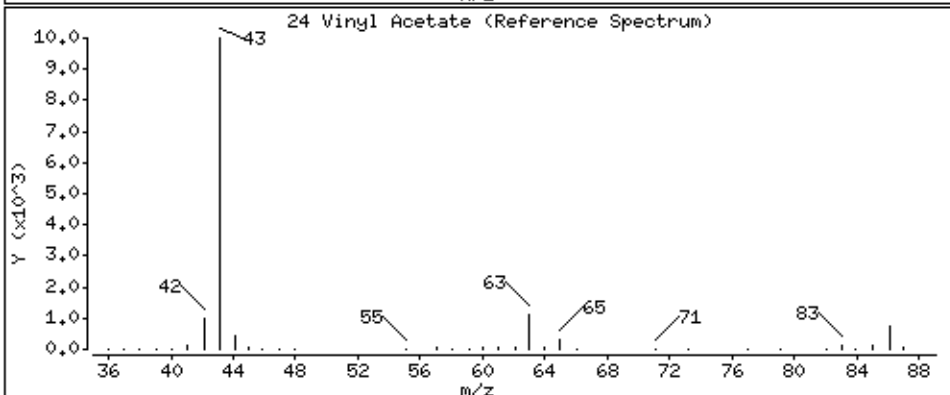
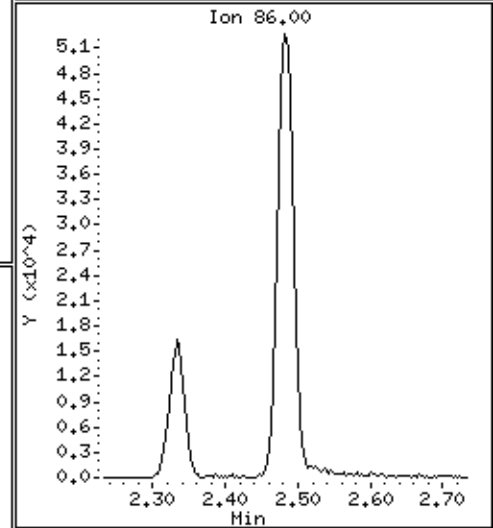
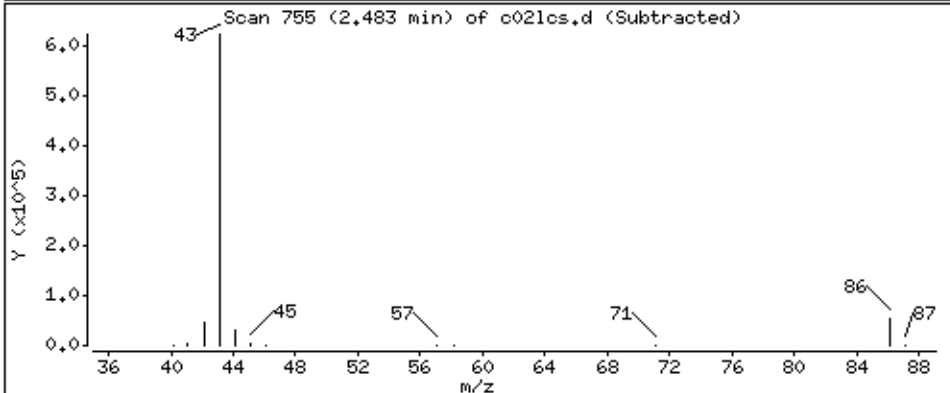
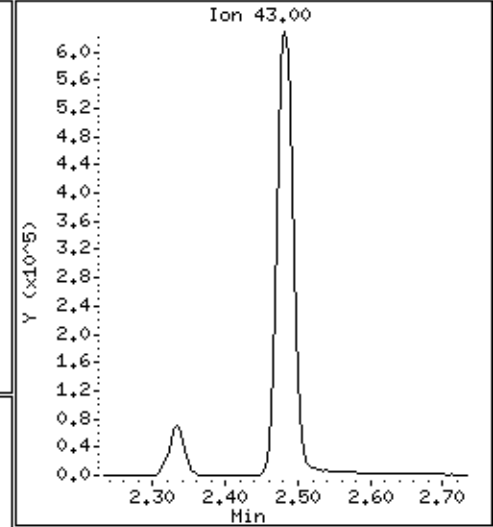
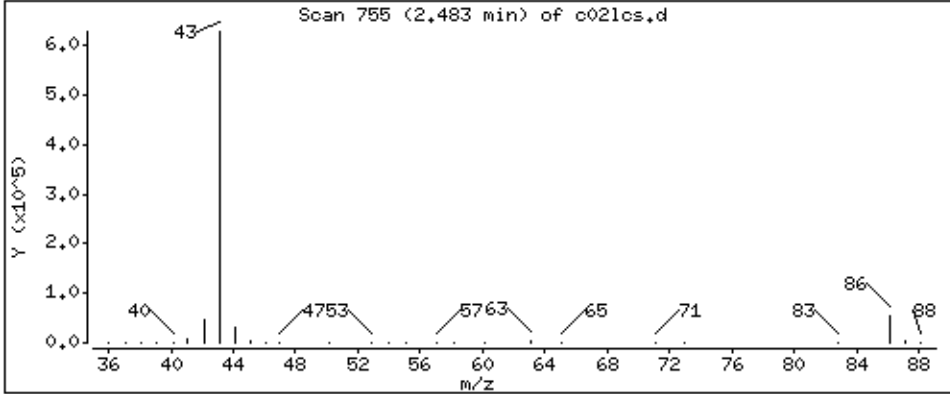
Operator: amv

Column phase: DB-624

Column diameter: 0,18

24 Vinyl Acetate

Concentration: 174 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mw2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

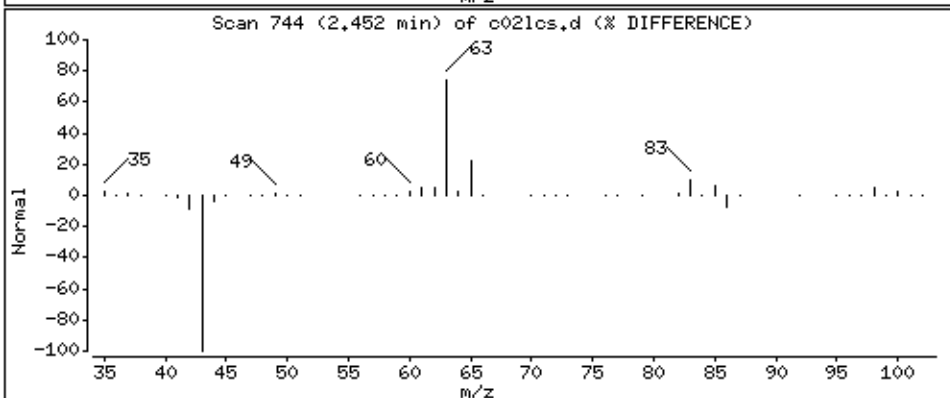
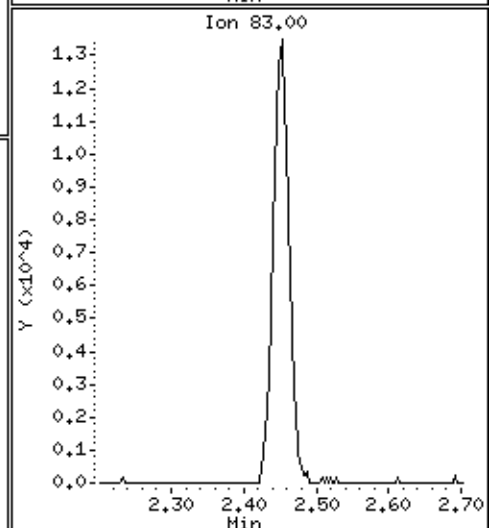
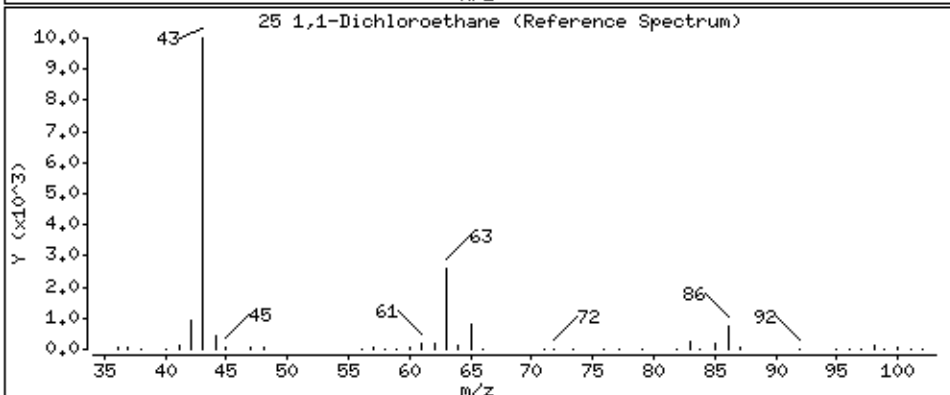
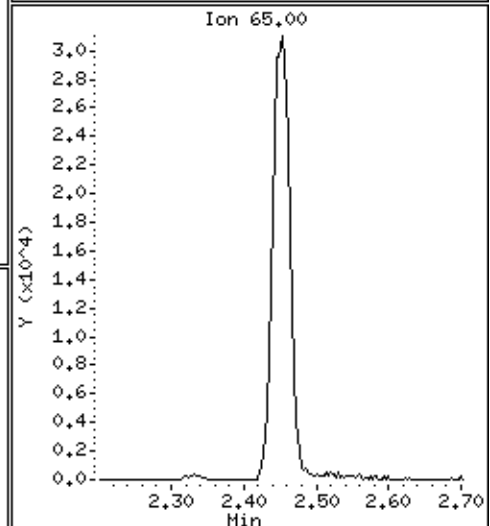
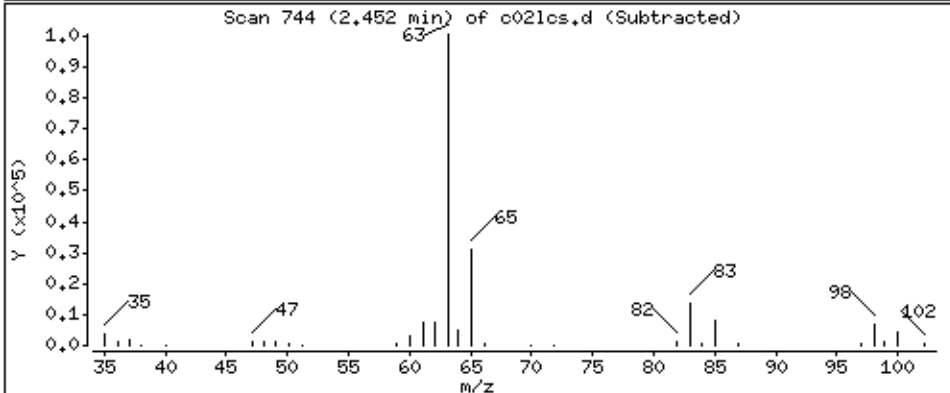
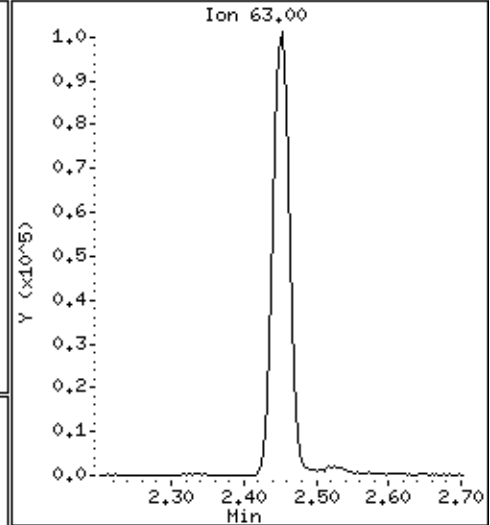
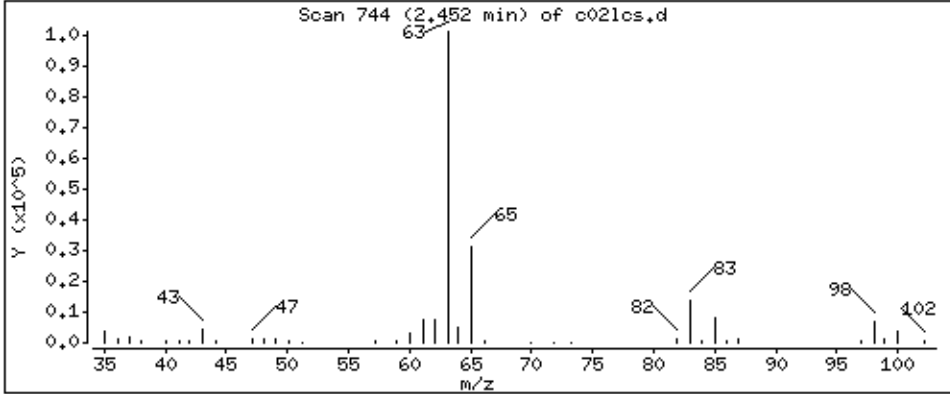
Operator: amv

Column phase: DB-624

Column diameter: 0,18

25 1,1-Dichloroethane

Concentration: 47.0 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

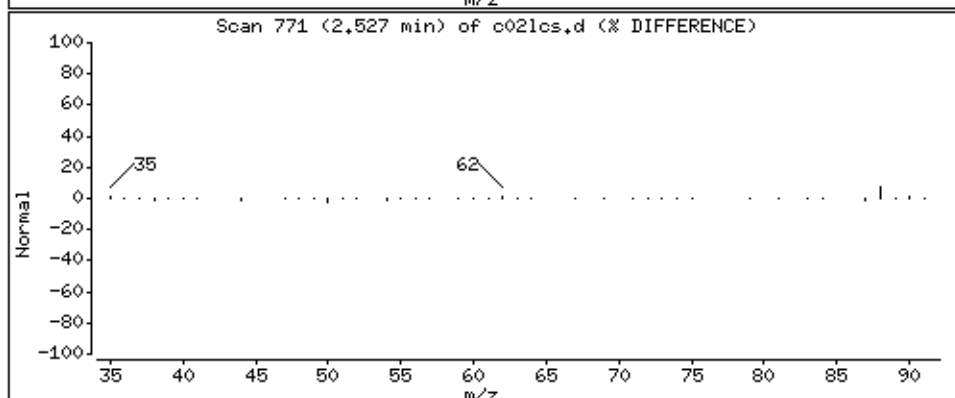
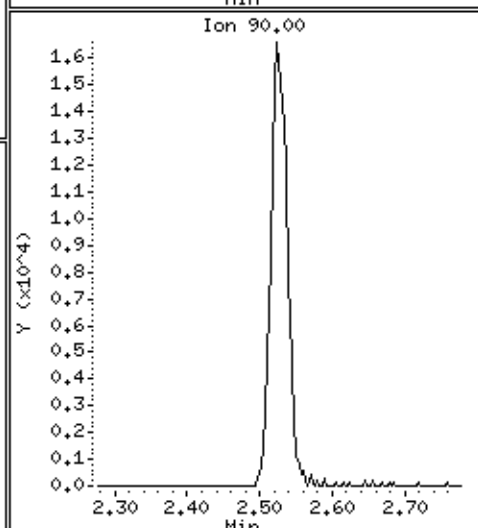
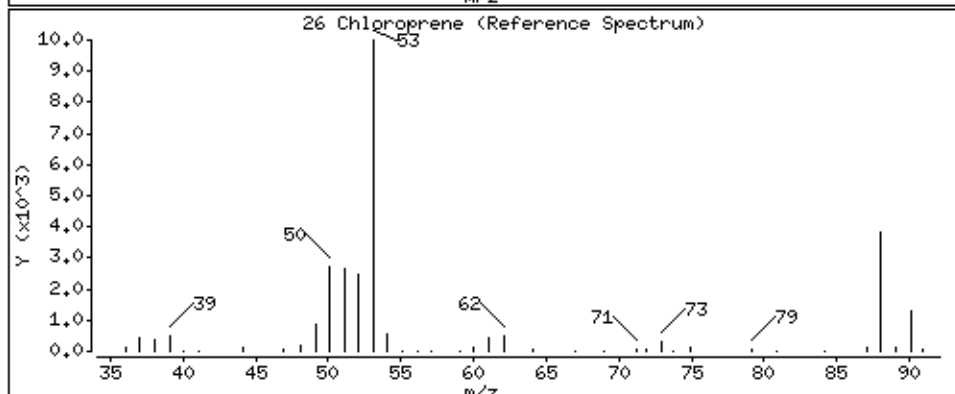
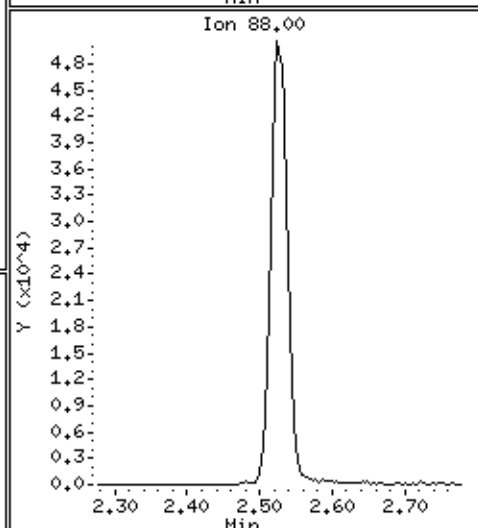
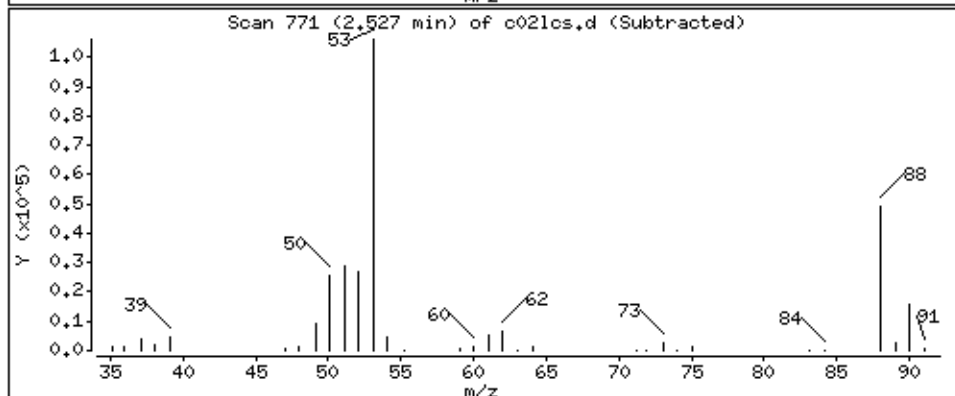
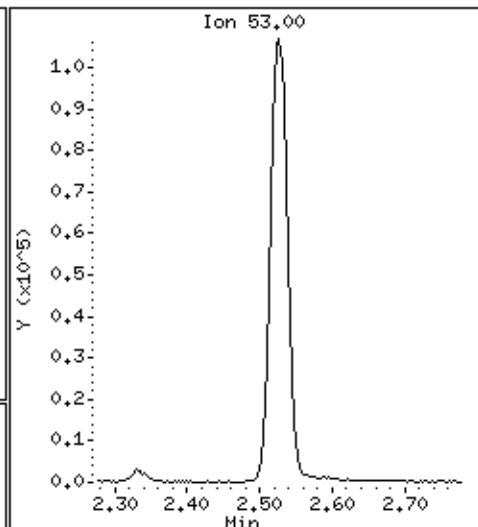
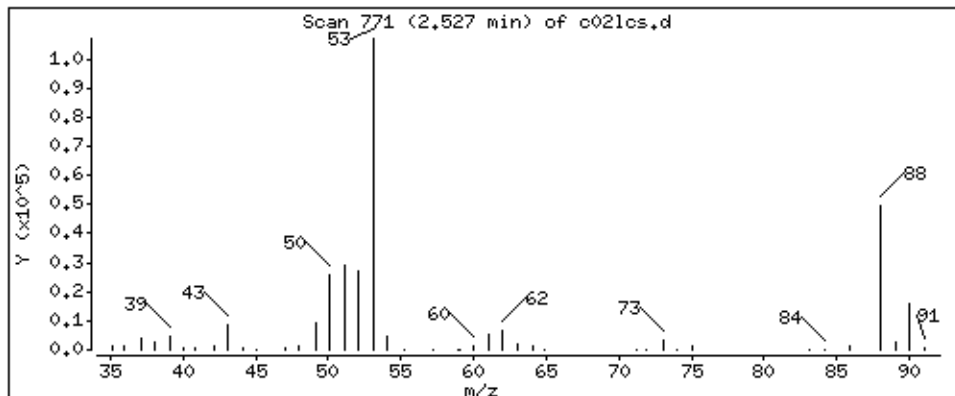
Operator: amv

Column phase: DB-624

Column diameter: 0,18

26 Chloroprene

Concentration: 44,3 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

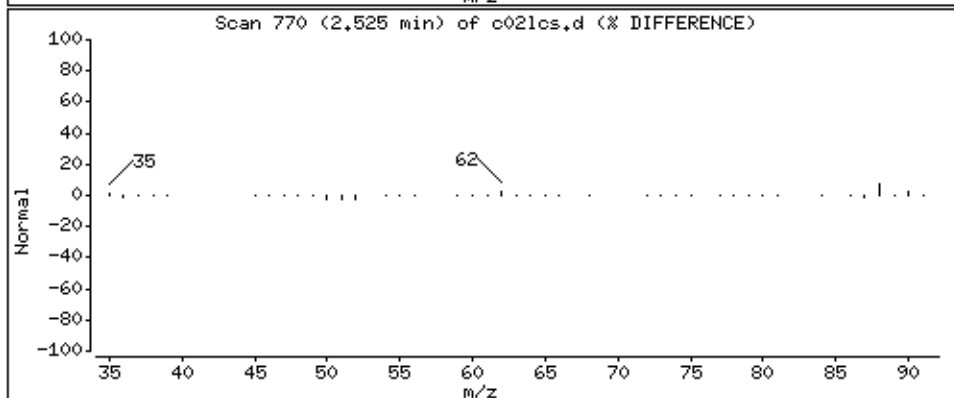
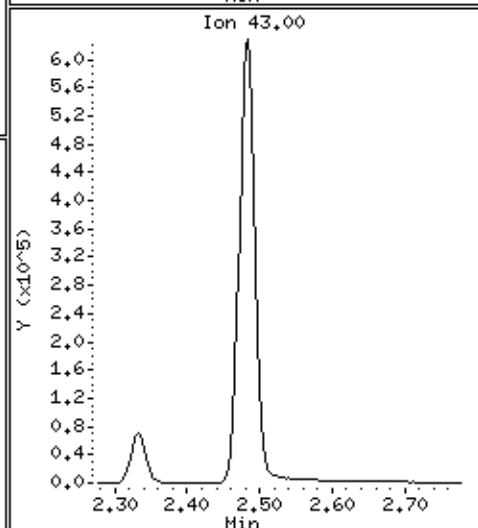
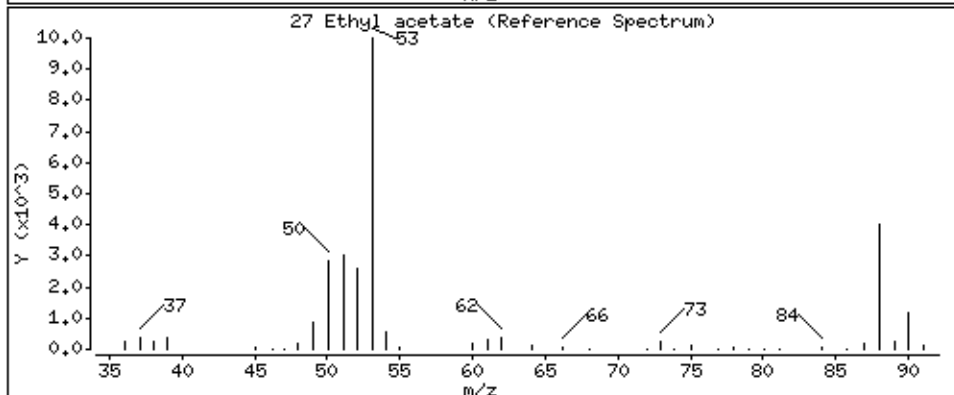
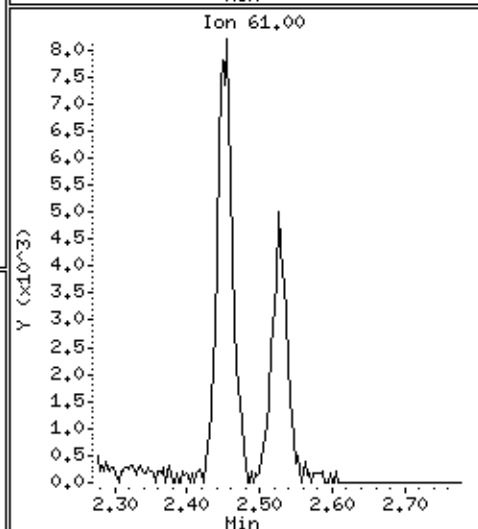
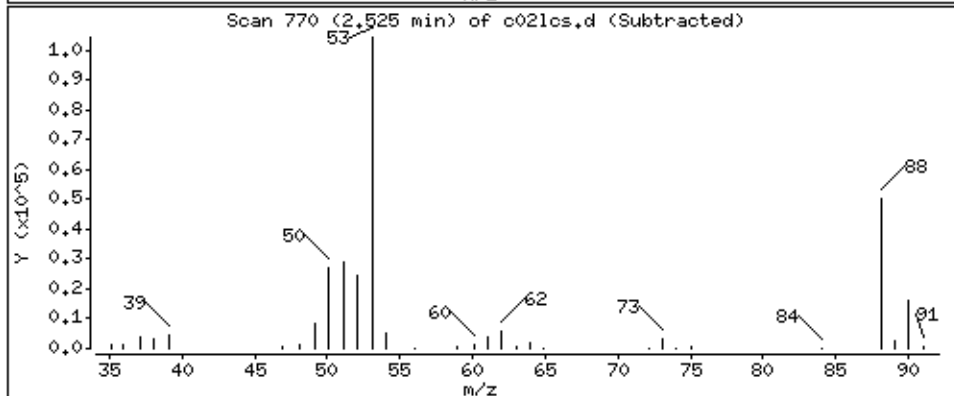
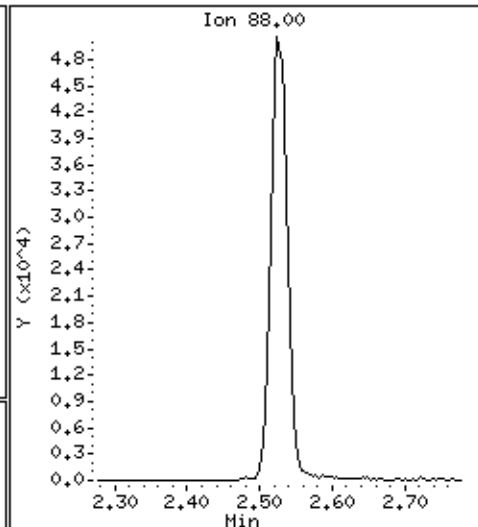
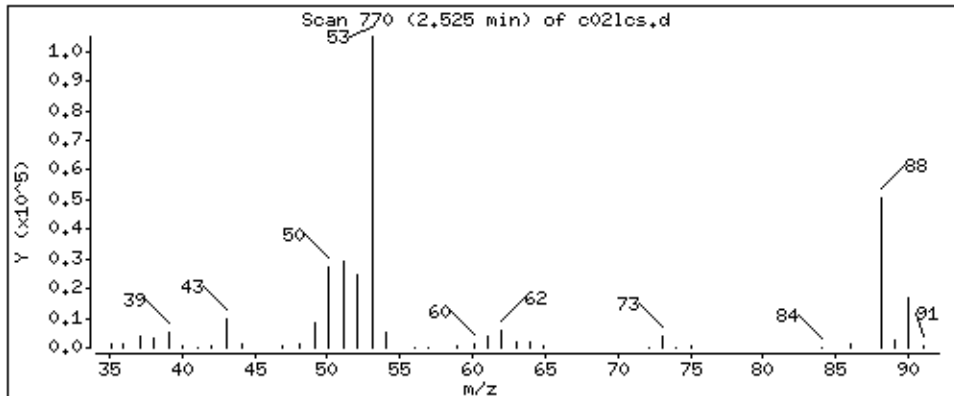
Operator: amv

Column phase: DB-624

Column diameter: 0,18

27 Ethyl acetate

Concentration: 399 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

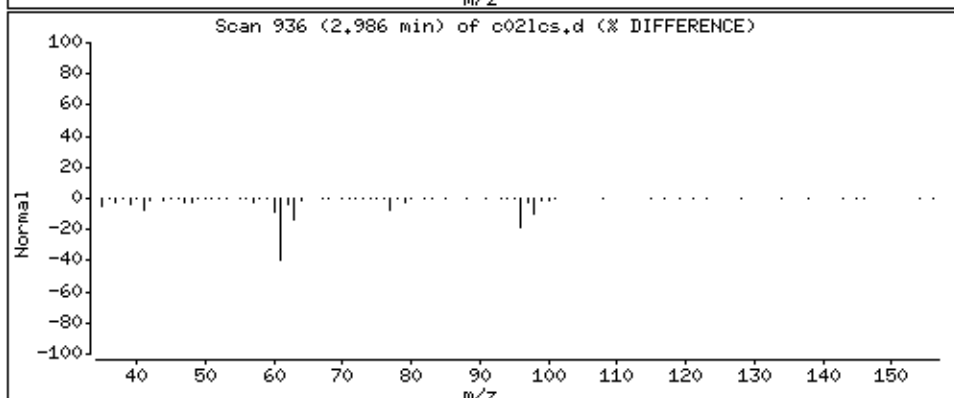
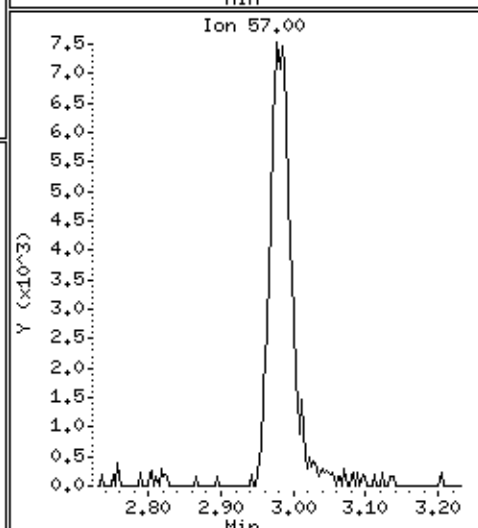
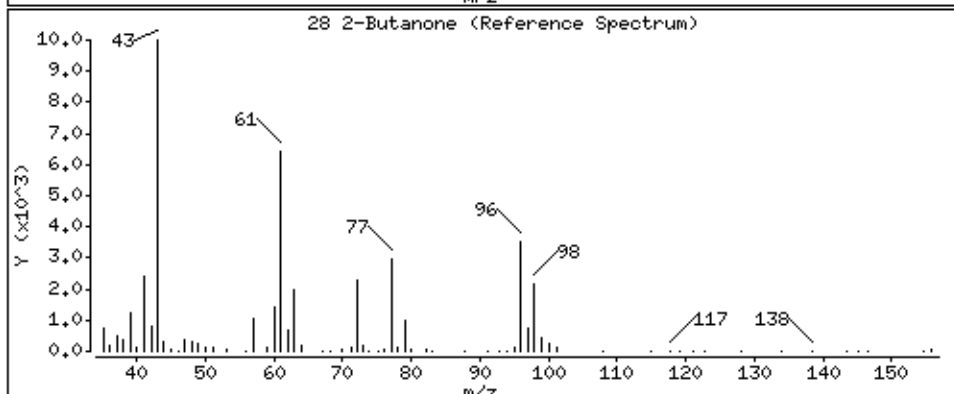
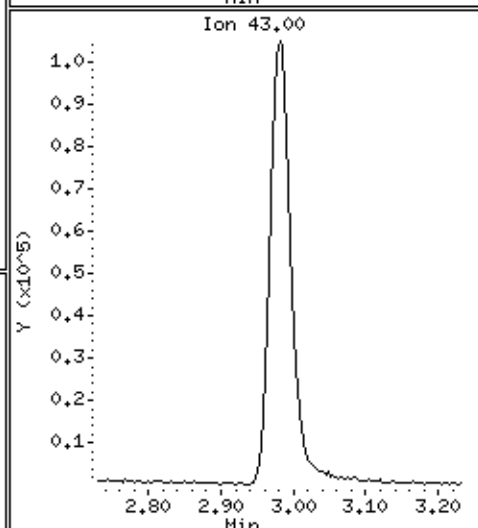
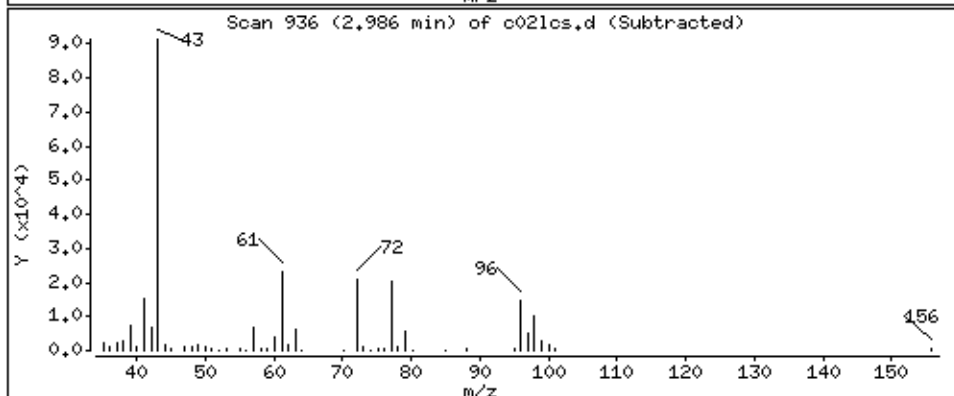
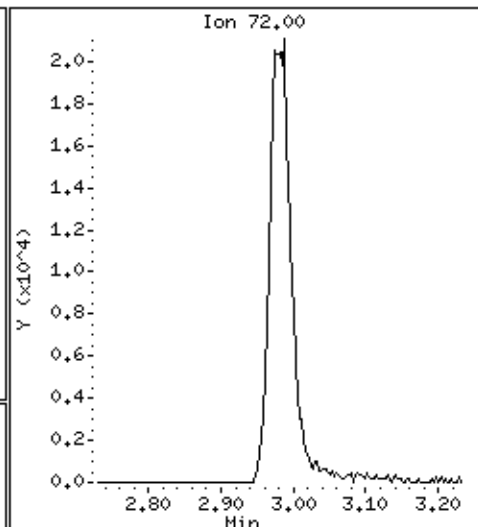
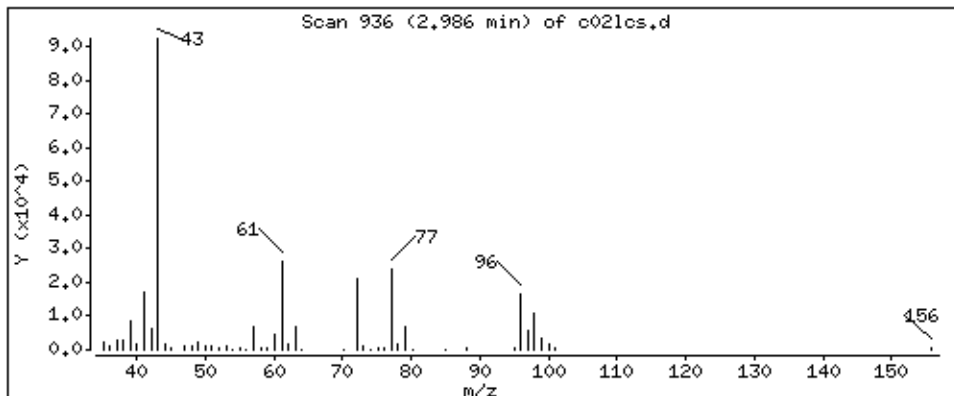
Operator: amv

Column phase: DB-624

Column diameter: 0,18

28 2-Butanone

Concentration: 266 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

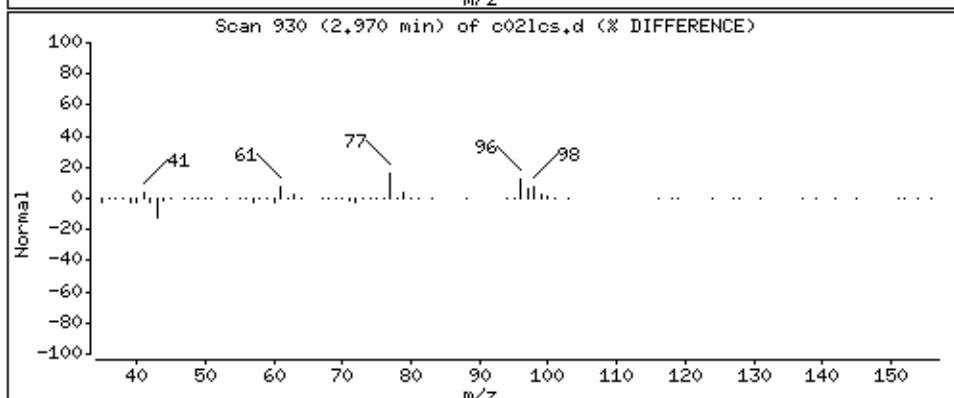
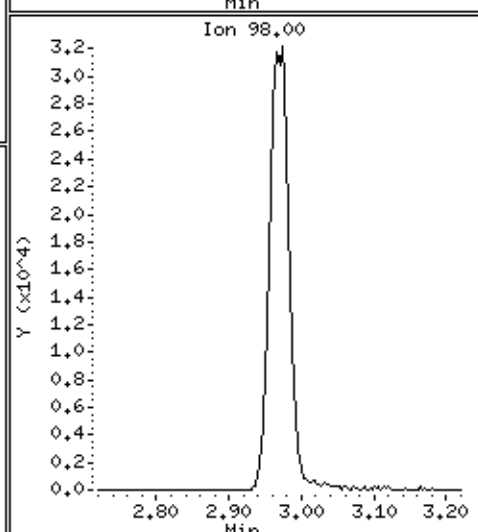
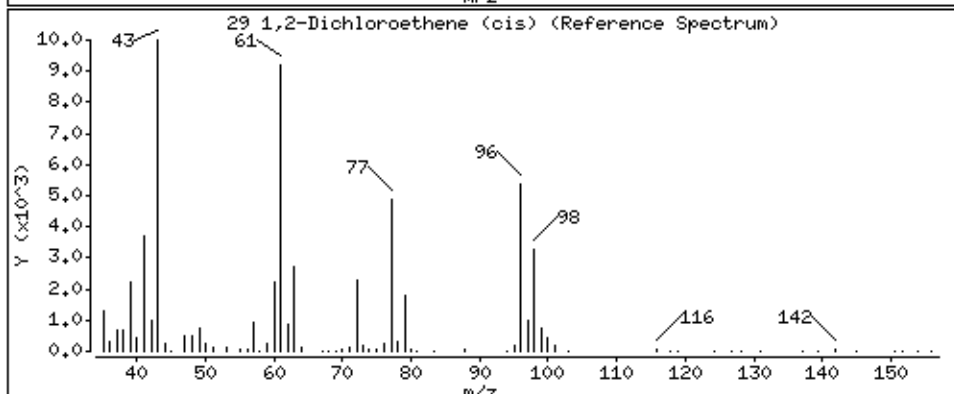
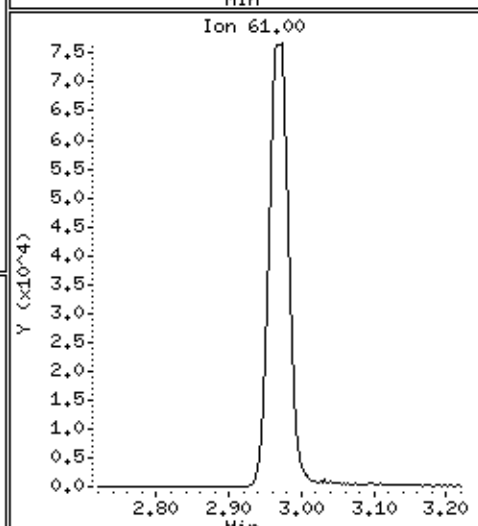
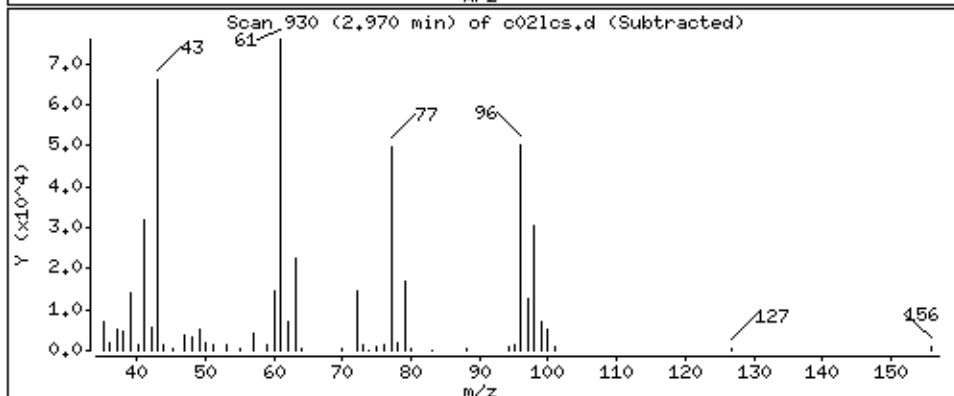
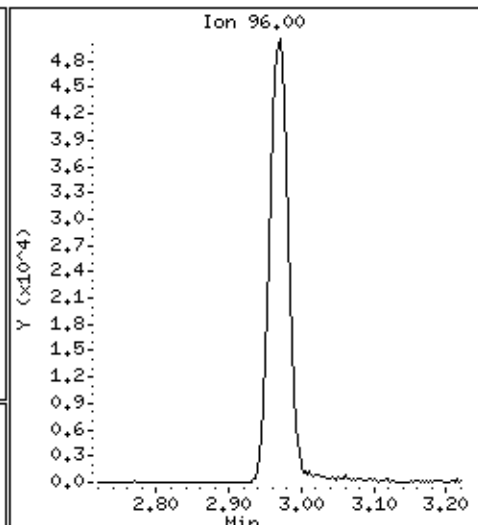
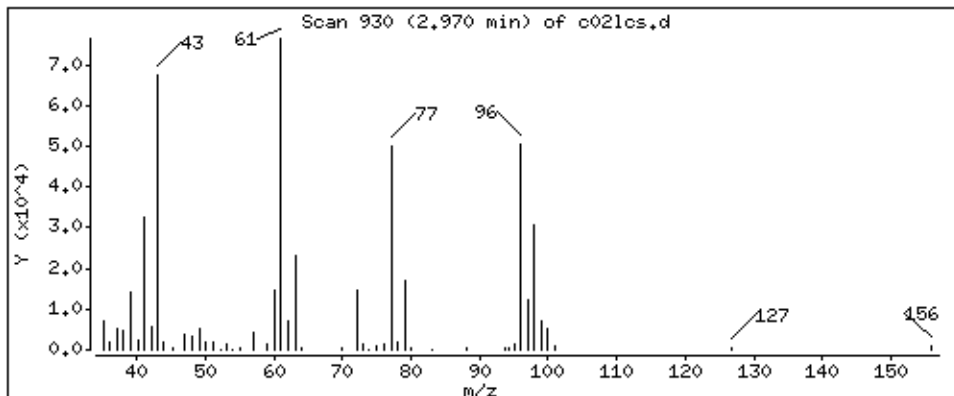
Operator: amv

Column phase: DB-624

Column diameter: 0,18

29 1,2-Dichloroethene (cis)

Concentration: 46,1 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

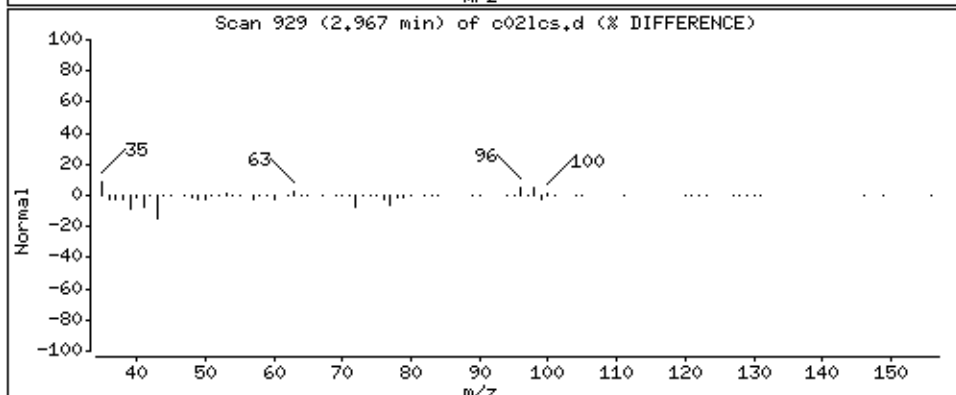
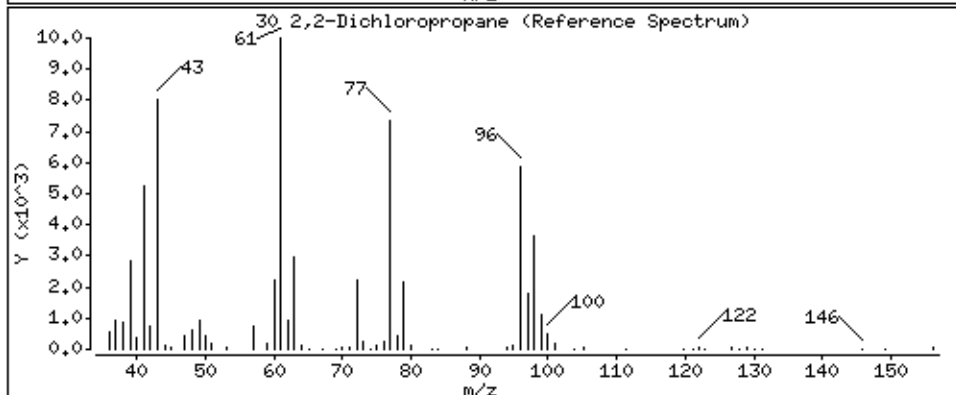
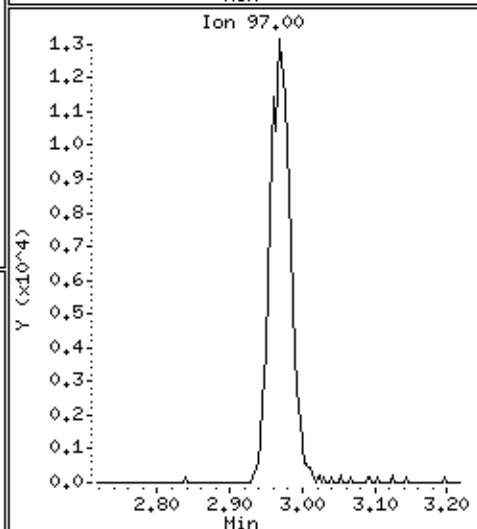
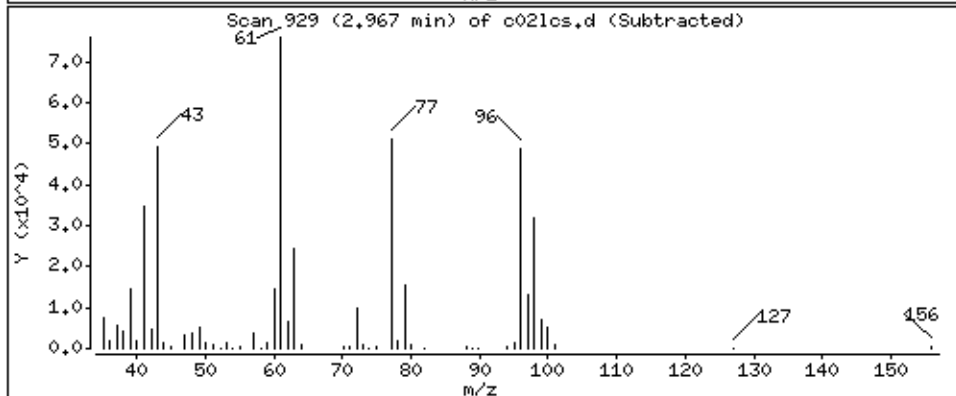
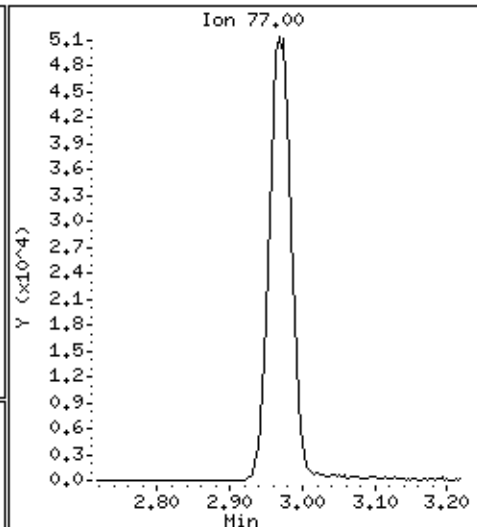
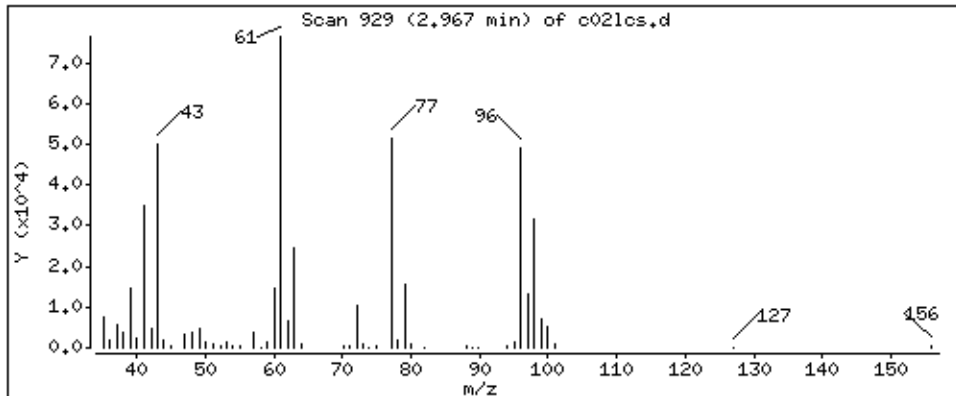
Operator: amv

Column phase: DB-624

Column diameter: 0,18

30 2,2-Dichloropropane

Concentration: 37,8 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mw2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

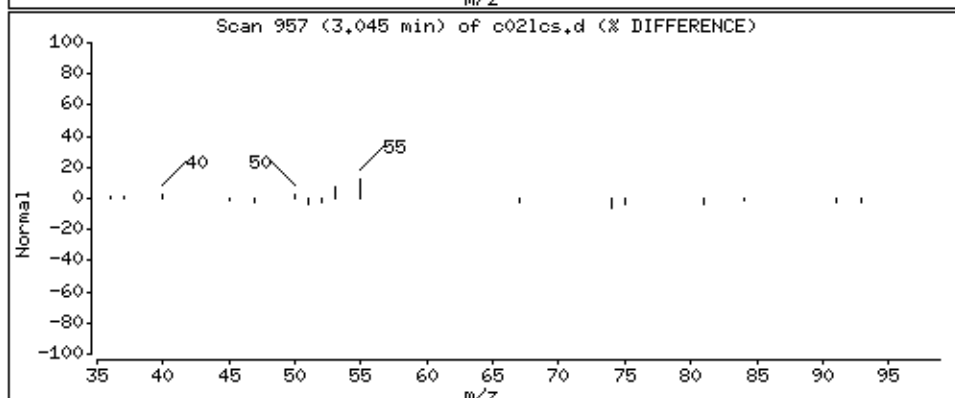
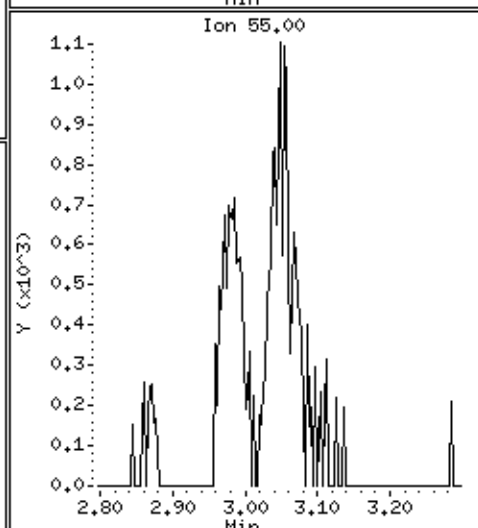
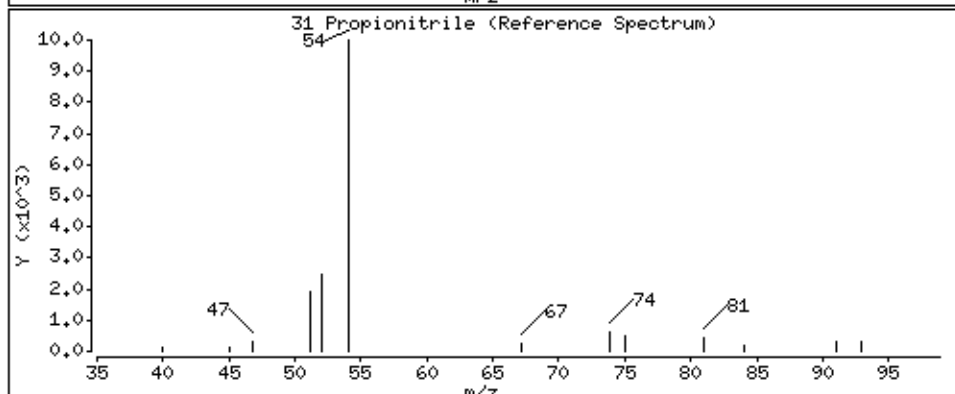
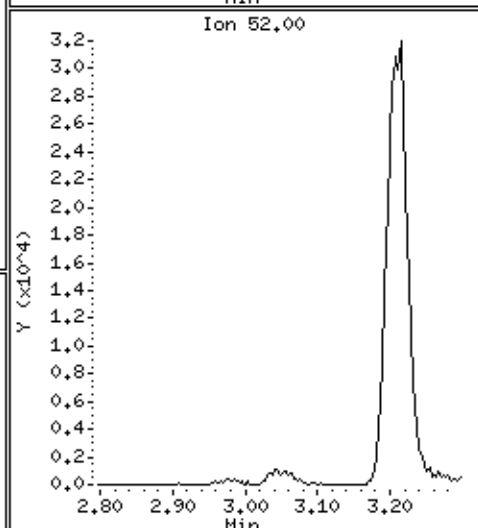
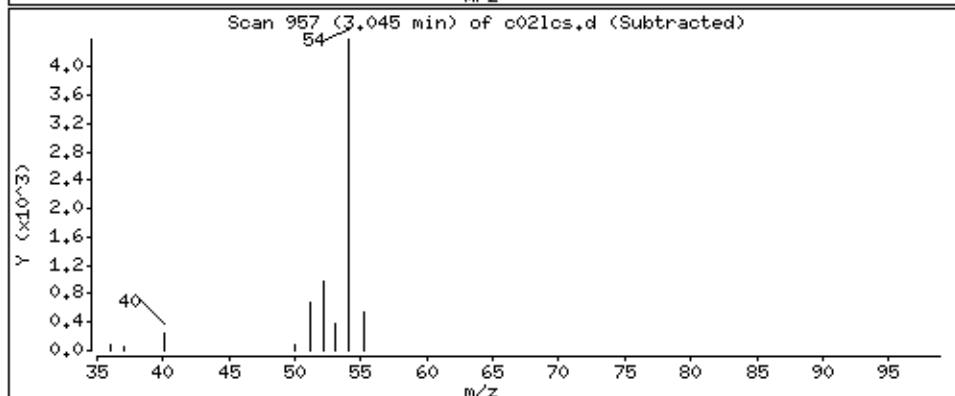
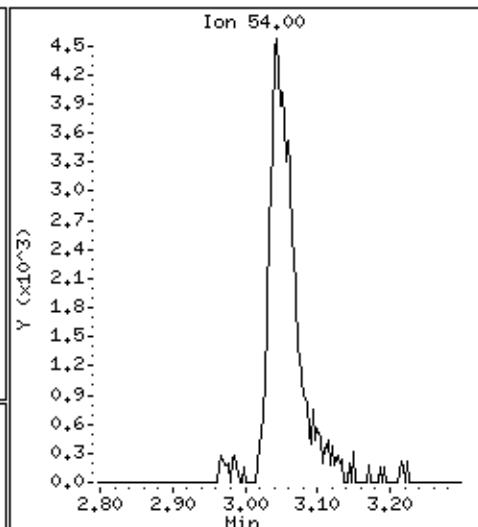
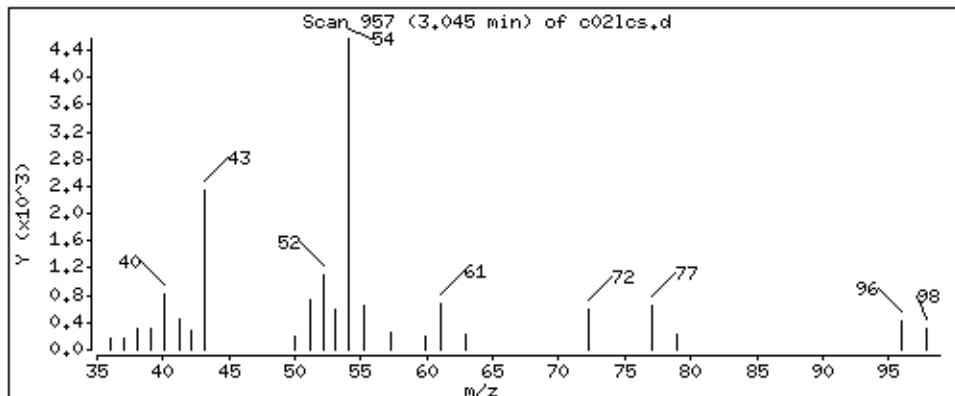
Operator: amv

Column phase: DB-624

Column diameter: 0.18

31 Propionitrile

Concentration: 44.3 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

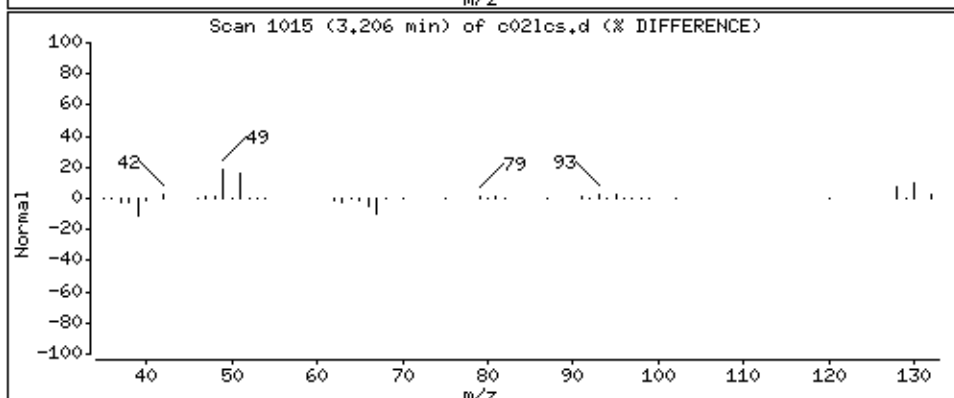
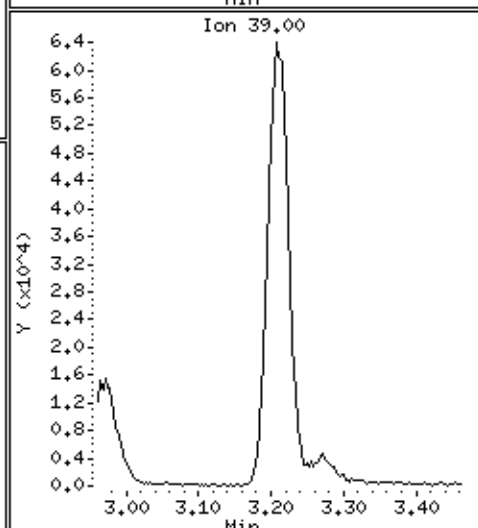
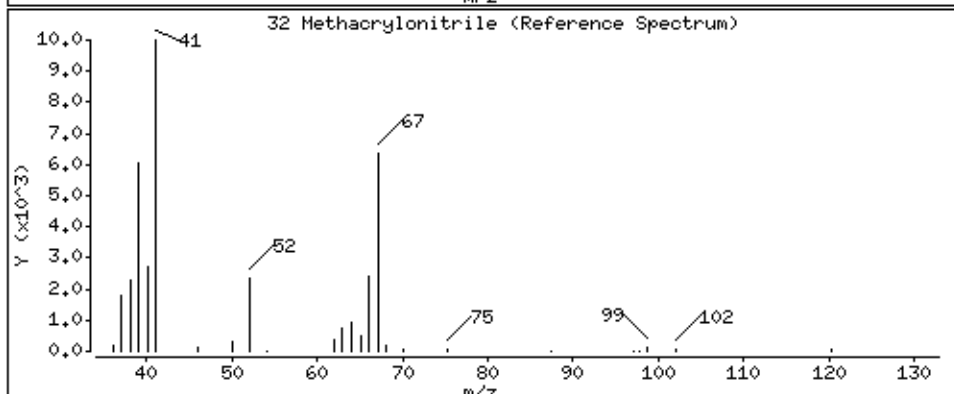
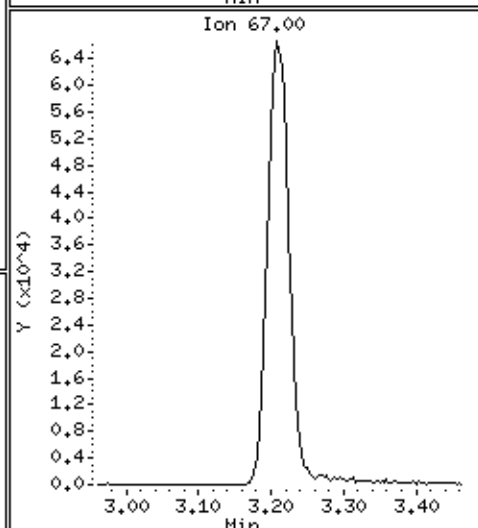
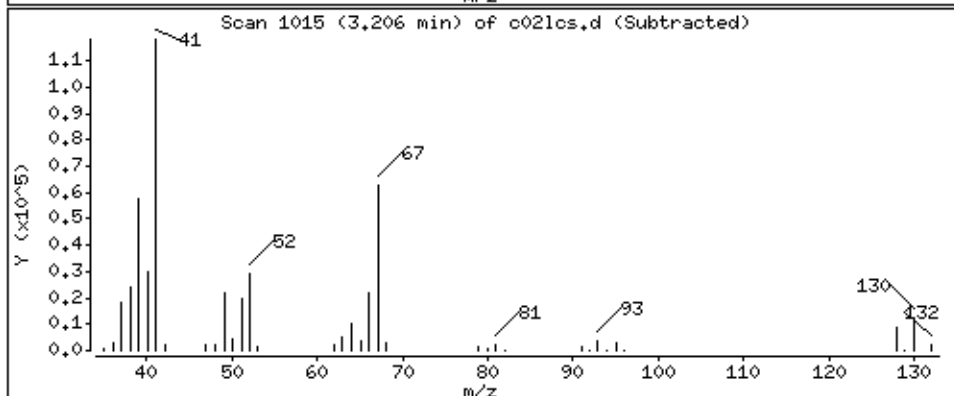
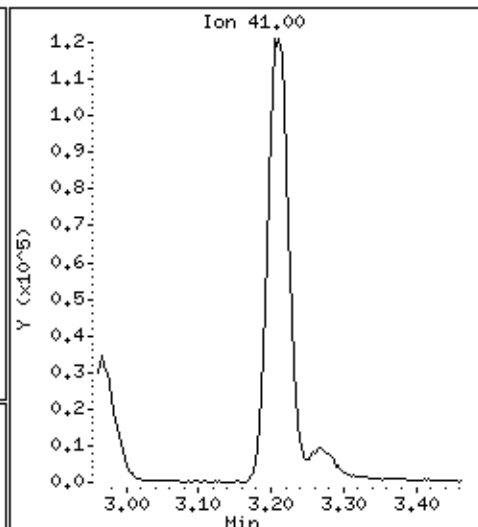
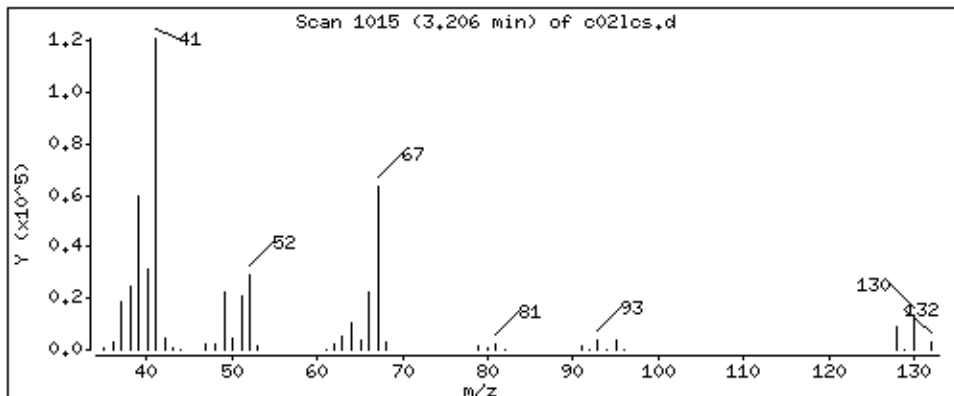
Operator: amv

Column phase: DB-624

Column diameter: 0,18

32 Methacrylonitrile

Concentration: 186 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

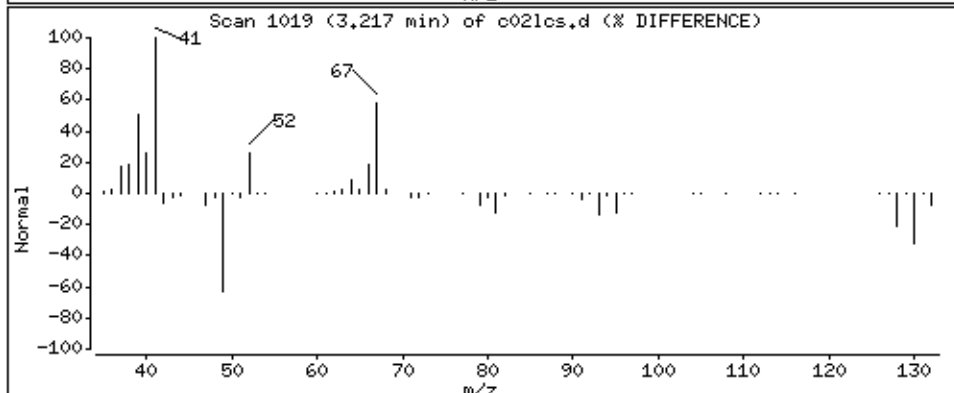
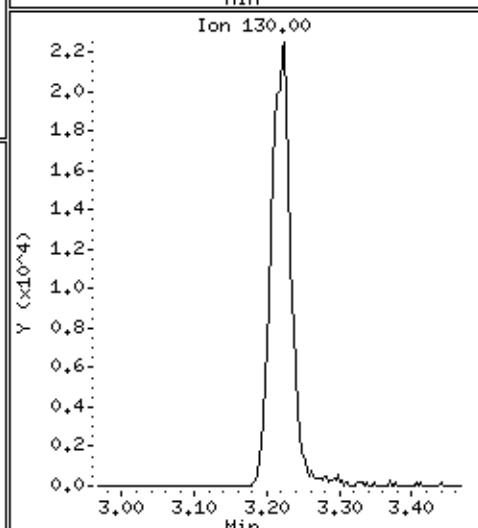
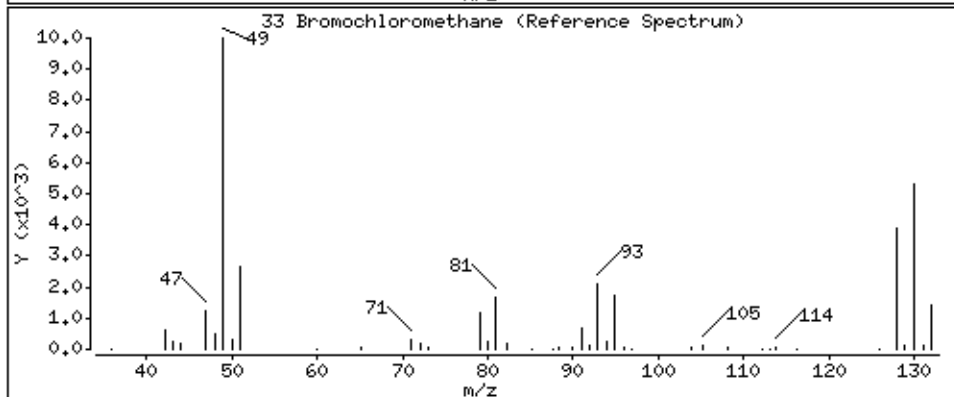
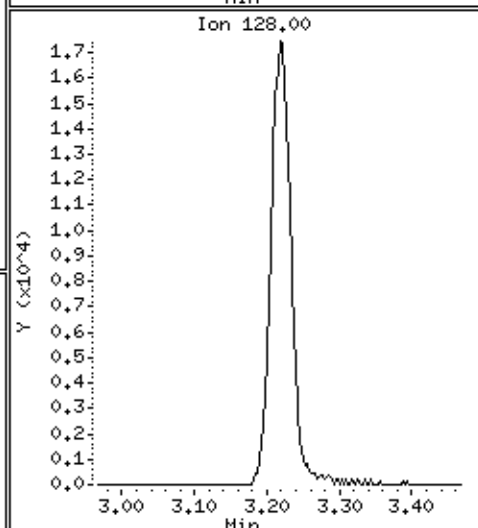
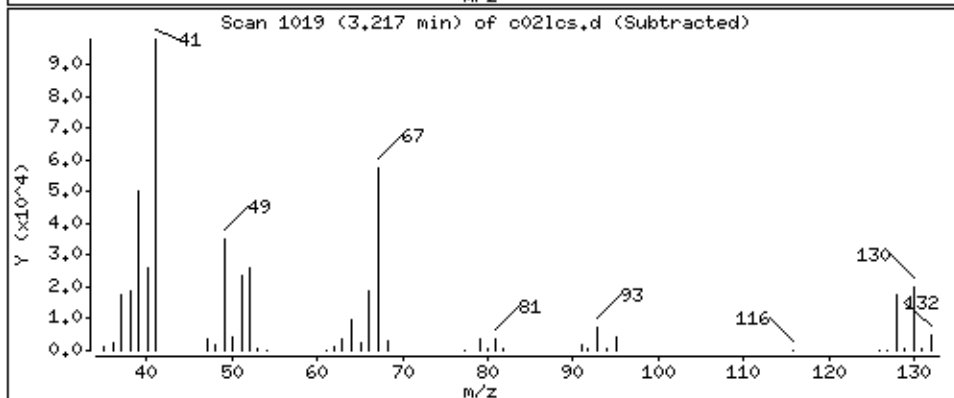
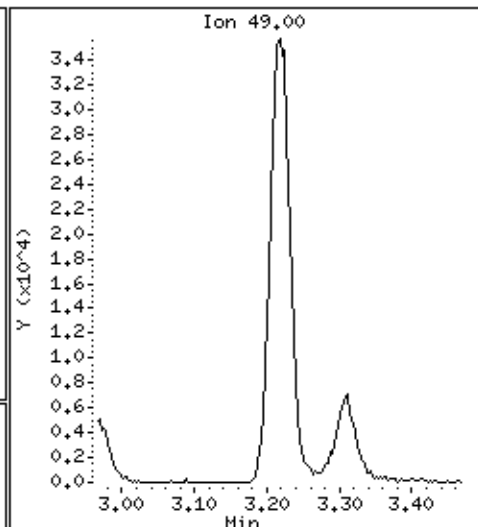
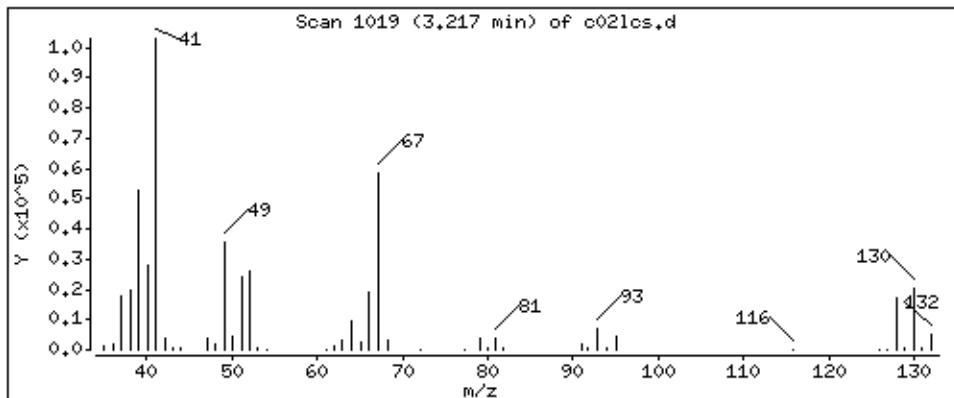
Operator: amv

Column phase: DB-624

Column diameter: 0,18

33 Bromochloromethane

Concentration: 43,7 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

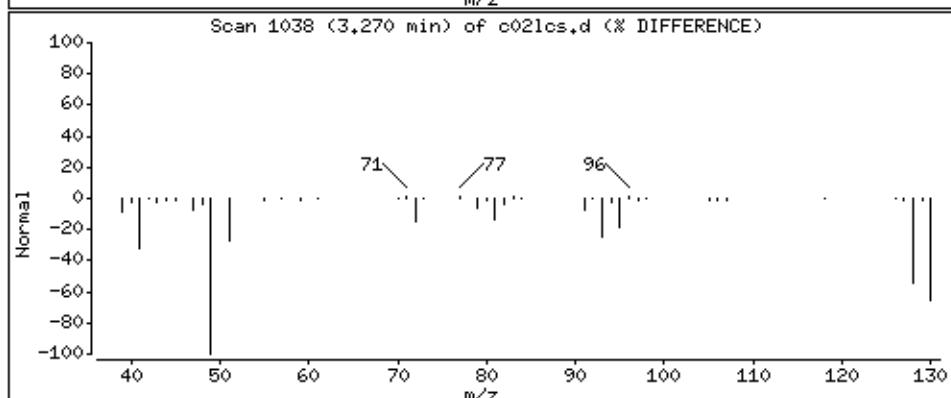
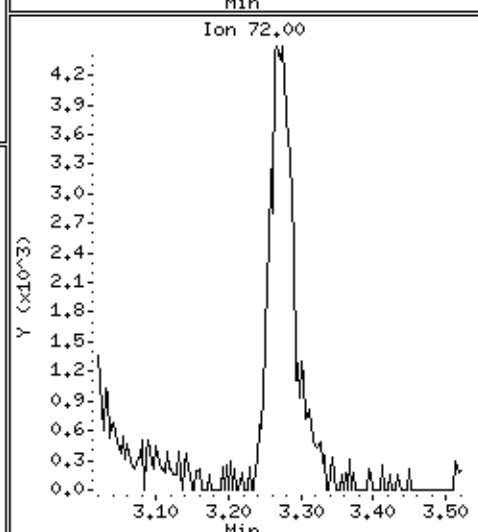
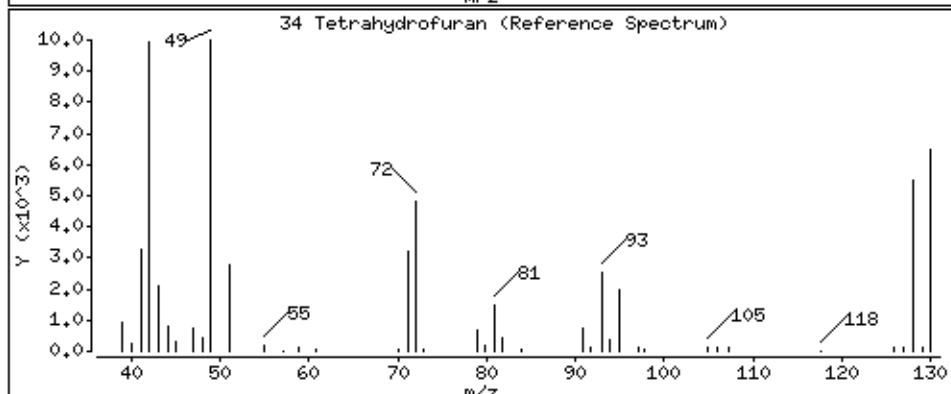
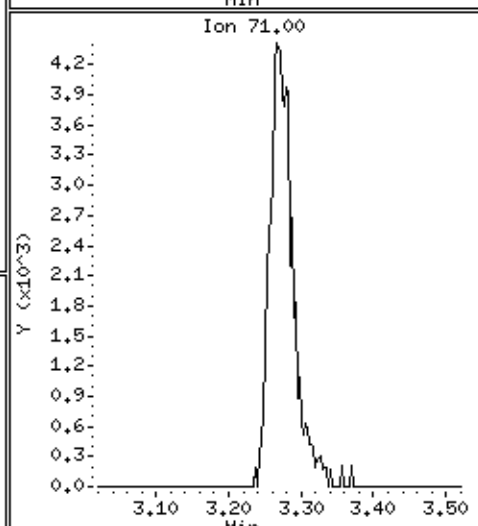
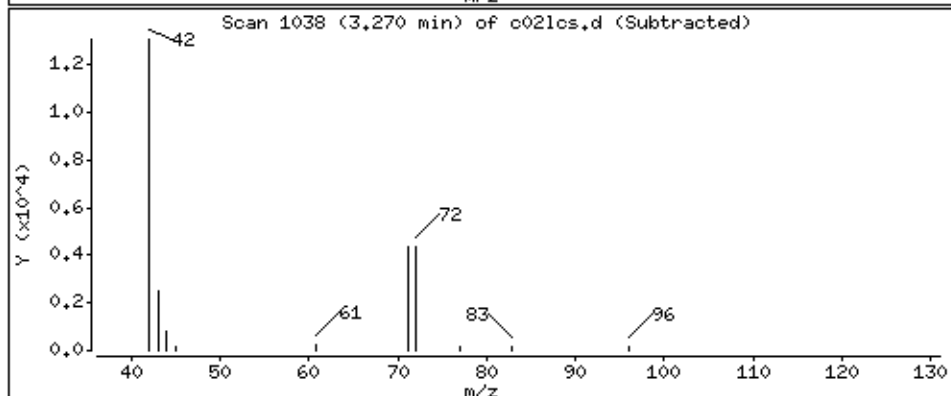
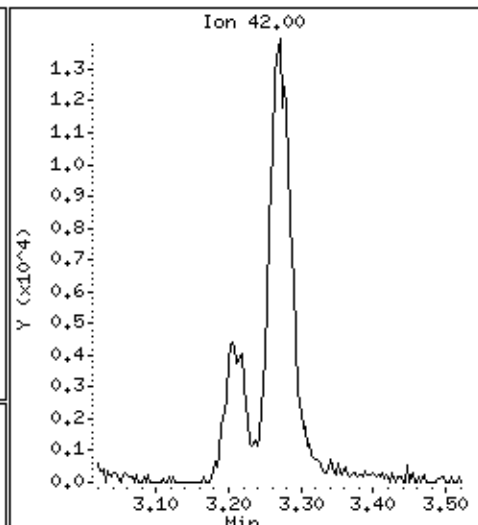
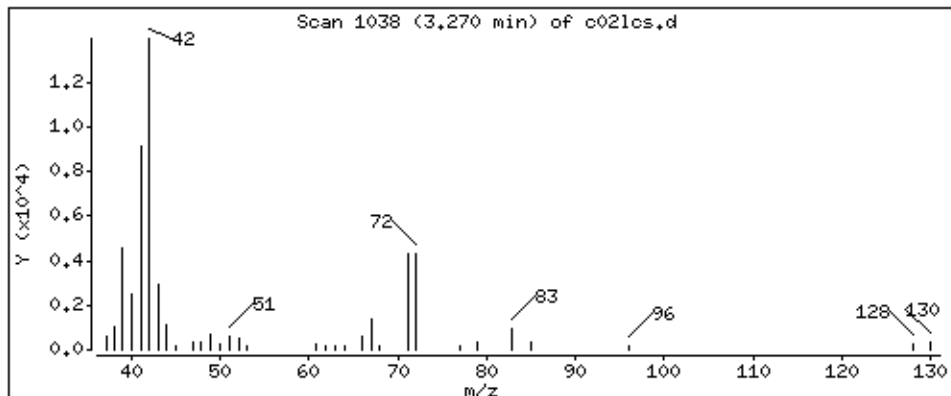
Operator: amv

Column phase: DB-624

Column diameter: 0,18

34 Tetrahydrofuran

Concentration: 46,6 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

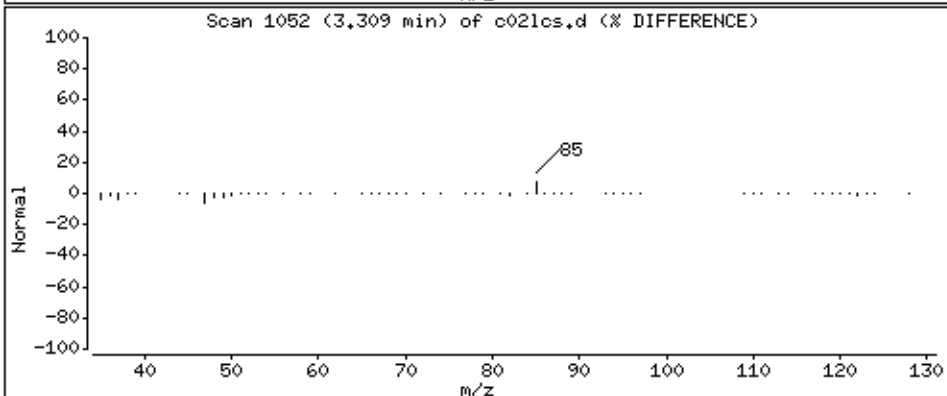
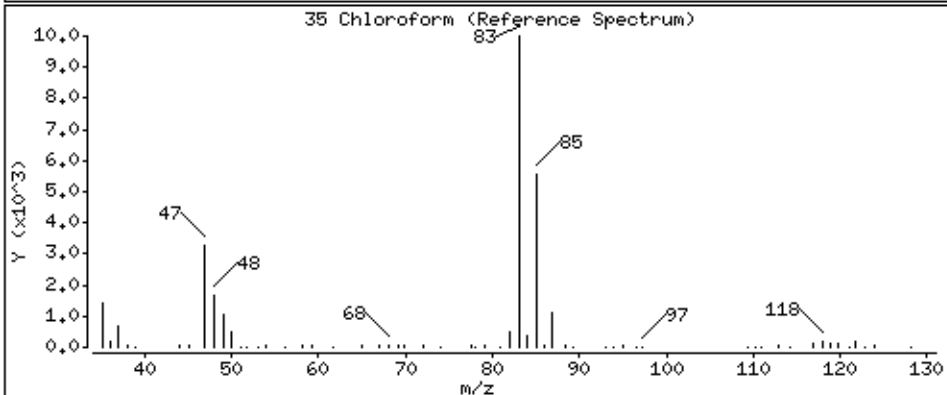
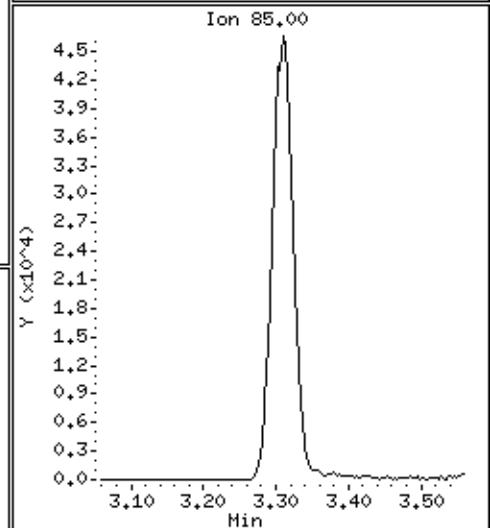
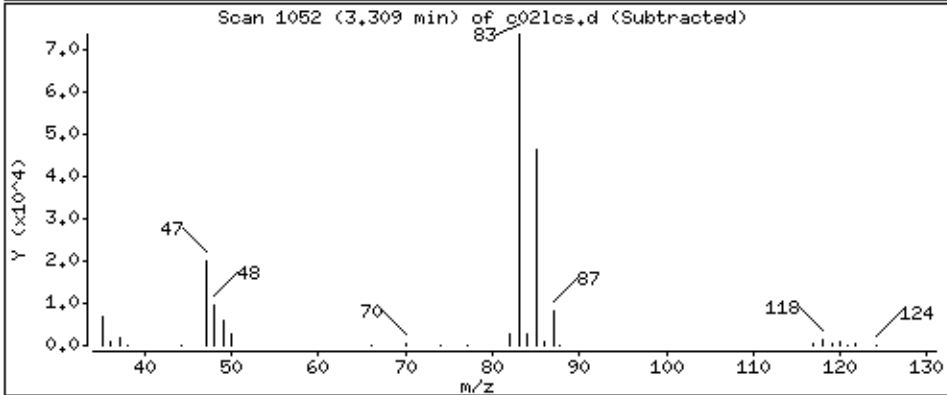
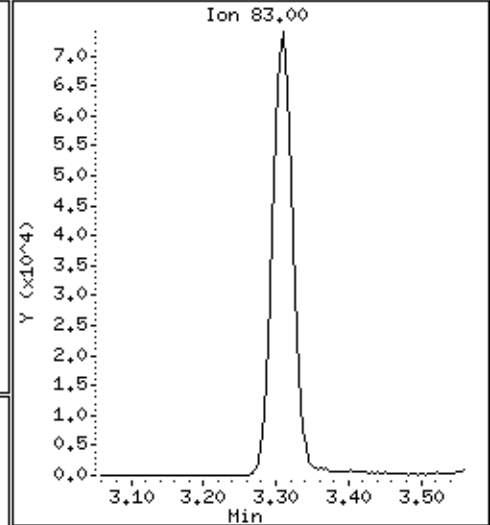
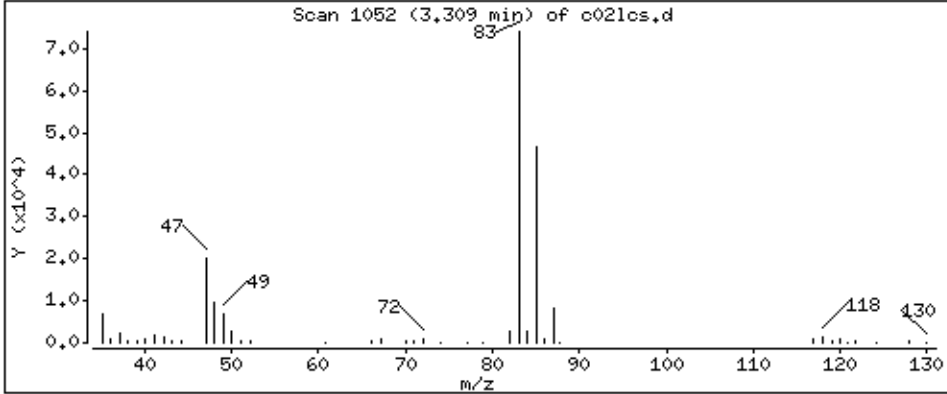
Operator: amv

Column phase: DB-624

Column diameter: 0,18

35 Chloroform

Concentration: 43,9 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

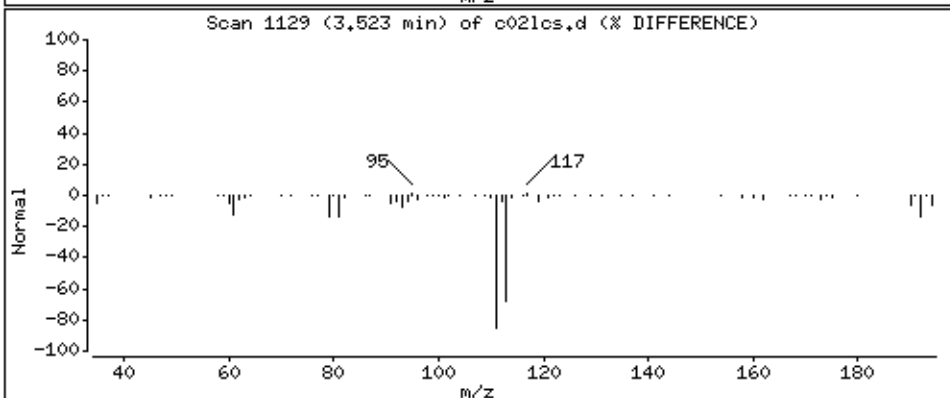
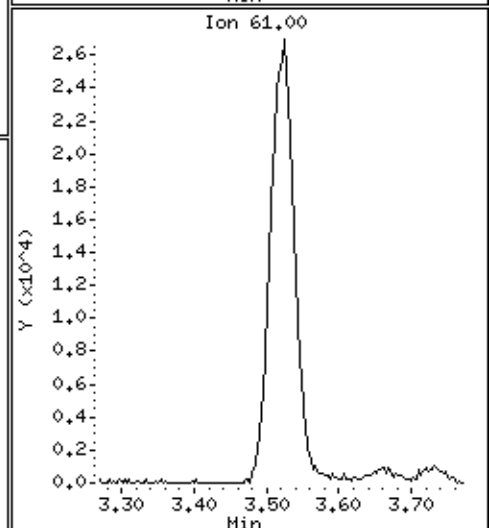
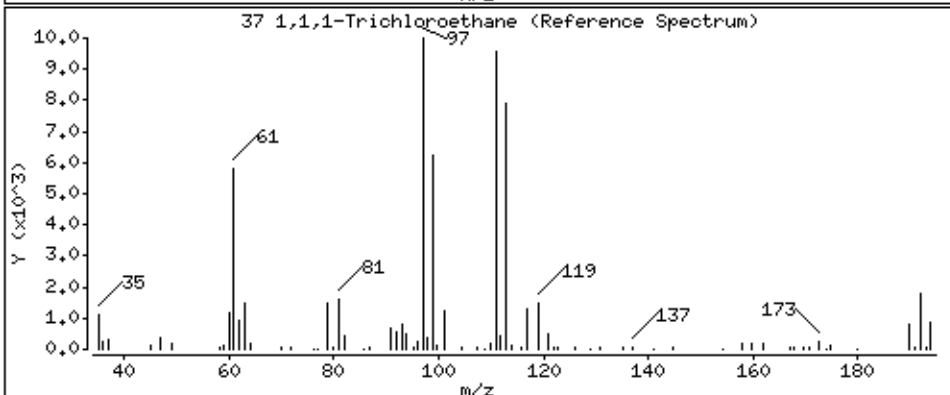
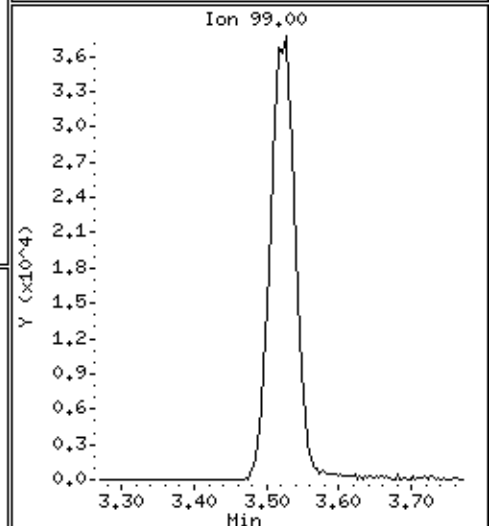
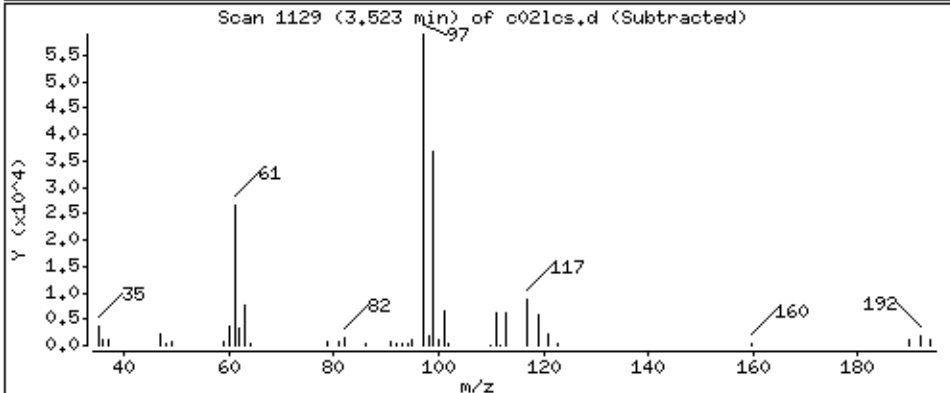
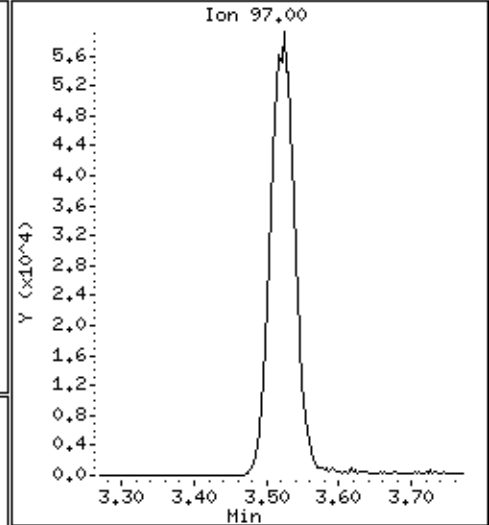
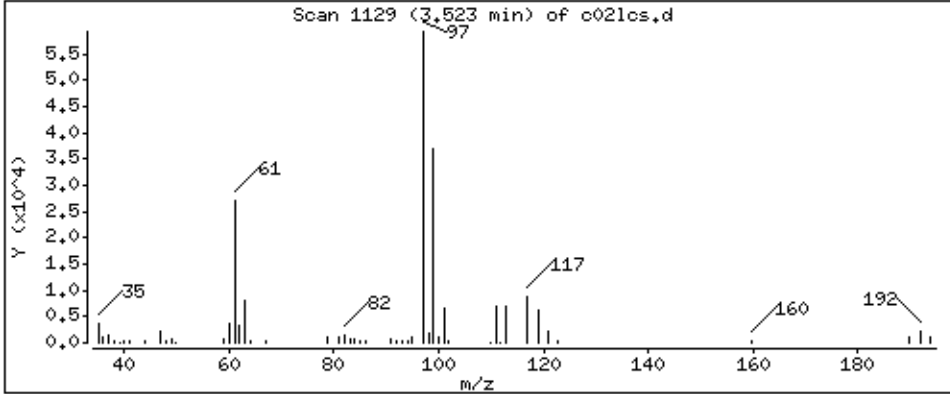
Operator: amv

Column phase: DB-624

Column diameter: 0,18

37 1,1,1-Trichloroethane

Concentration: 47.9 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

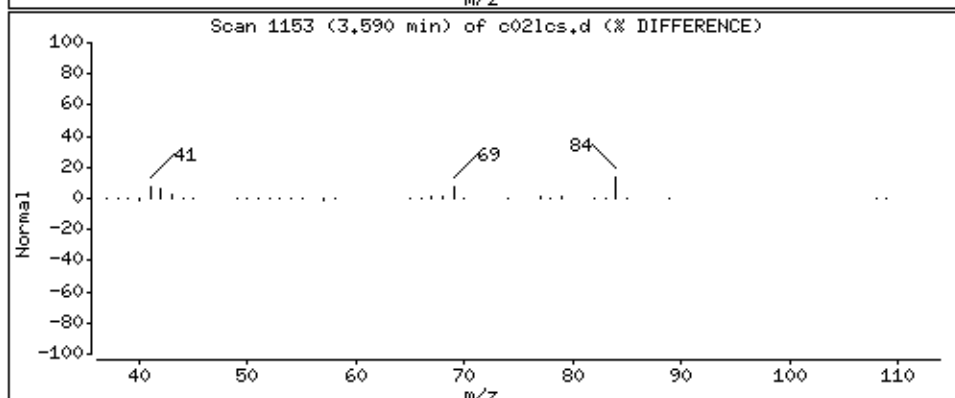
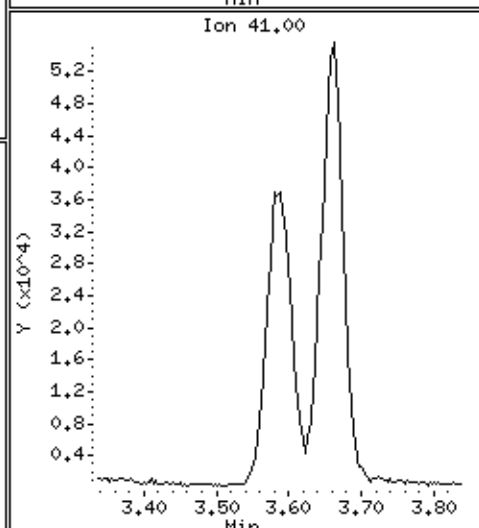
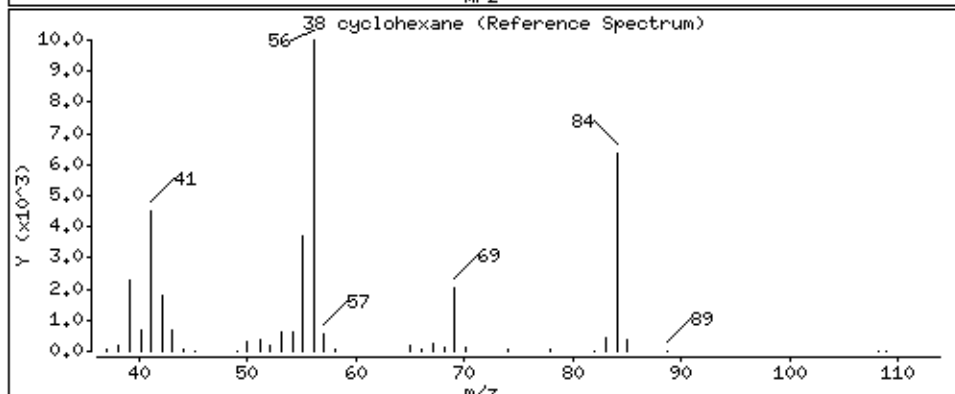
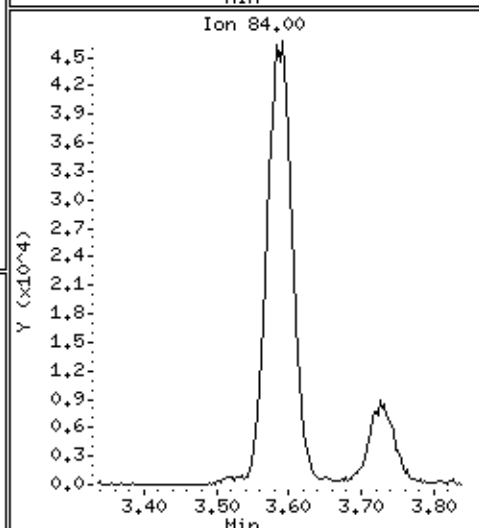
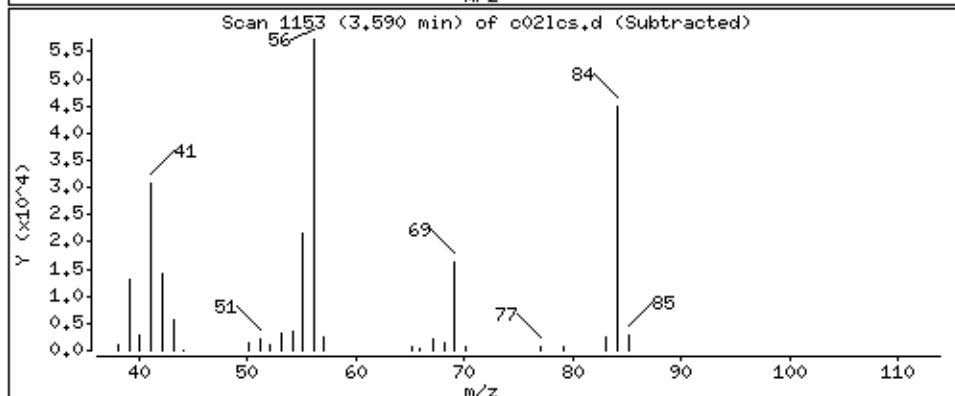
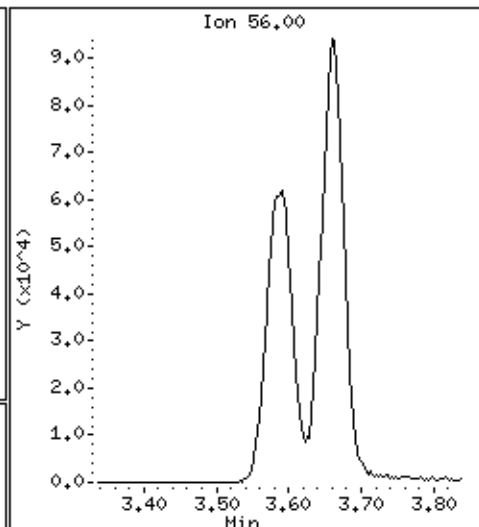
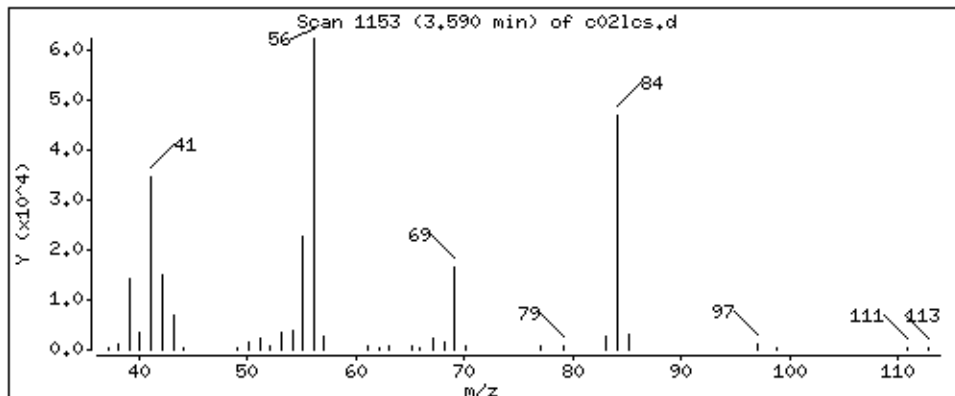
Operator: amv

Column phase: DB-624

Column diameter: 0,18

38 cyclohexane

Concentration: 39,2 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

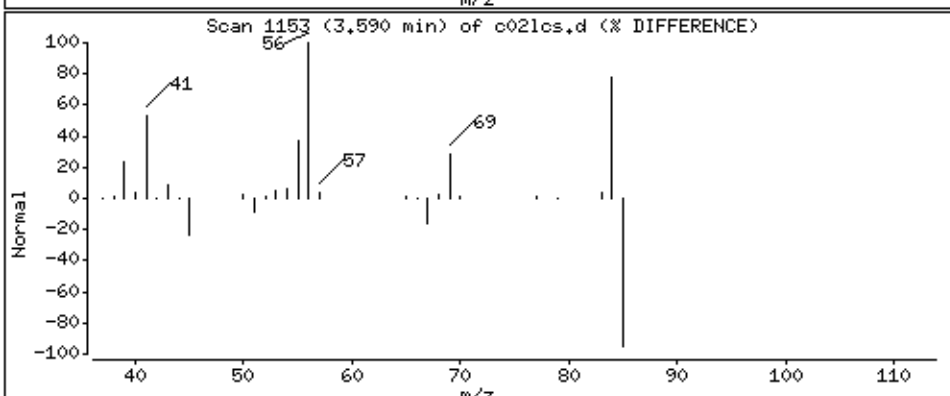
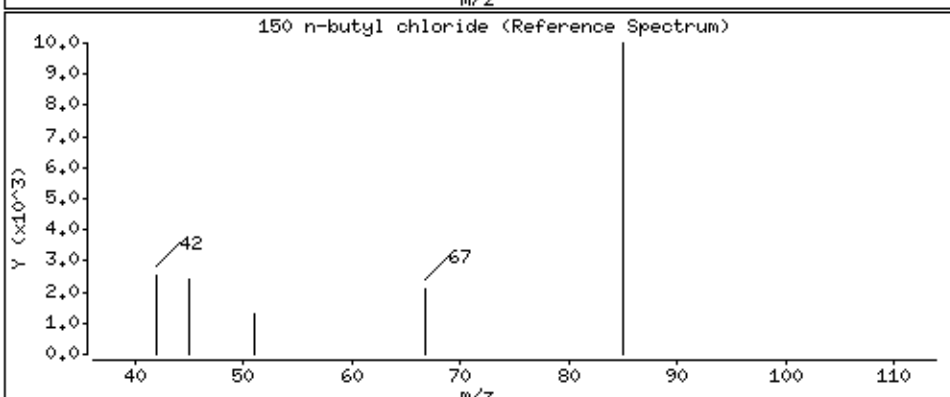
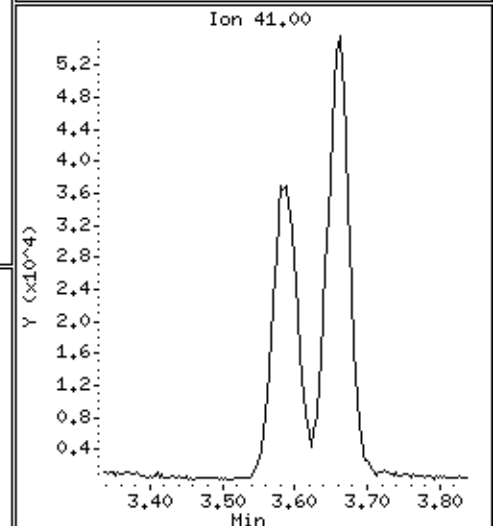
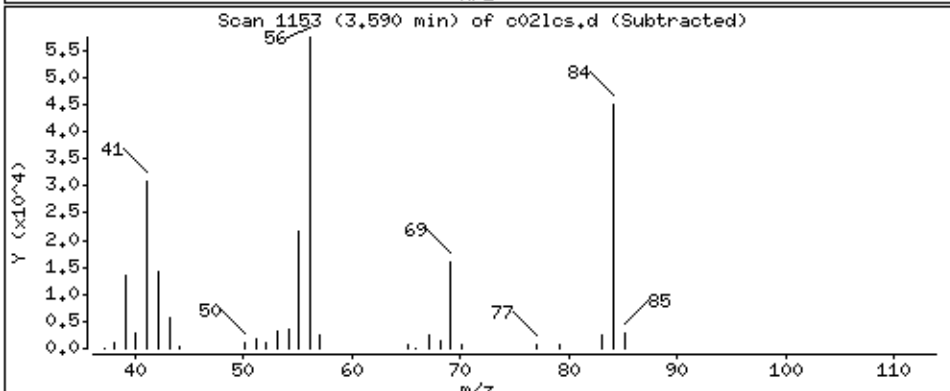
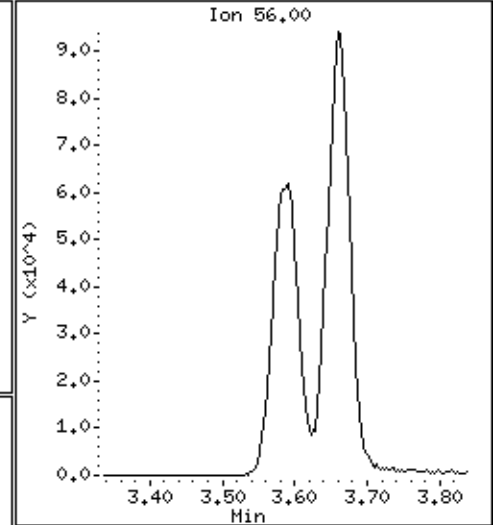
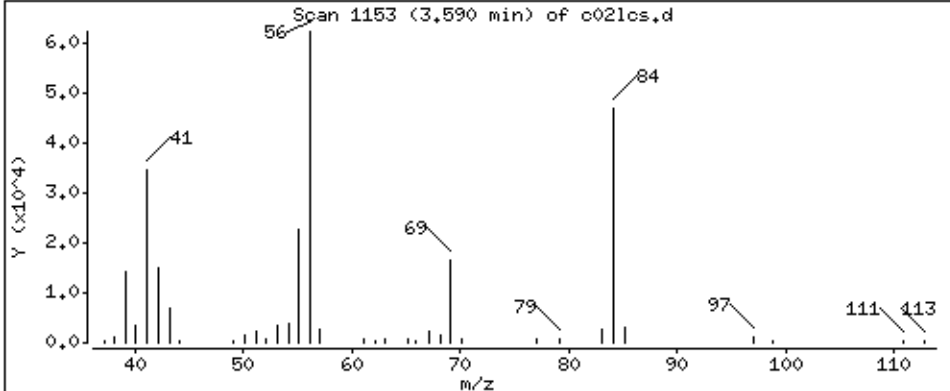
Operator: amv

Column phase: DB-624

Column diameter: 0,18

150 n-butyl chloride

Concentration: 33,0 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

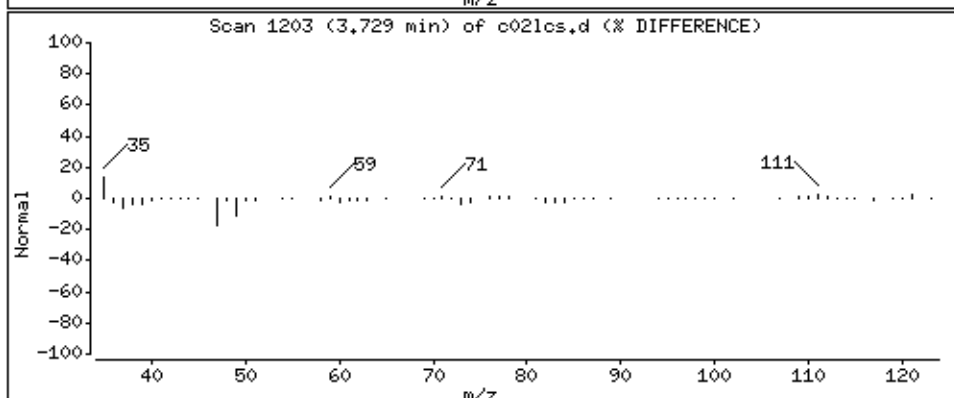
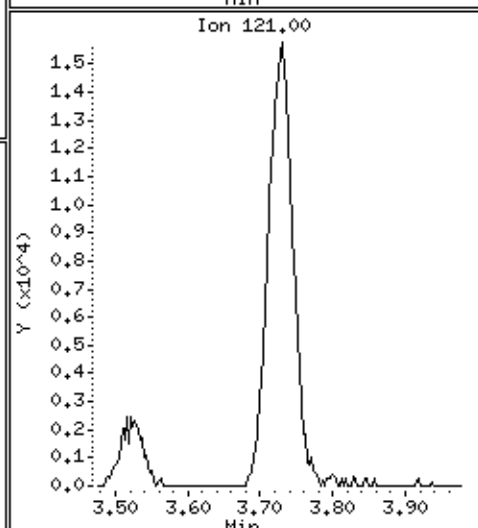
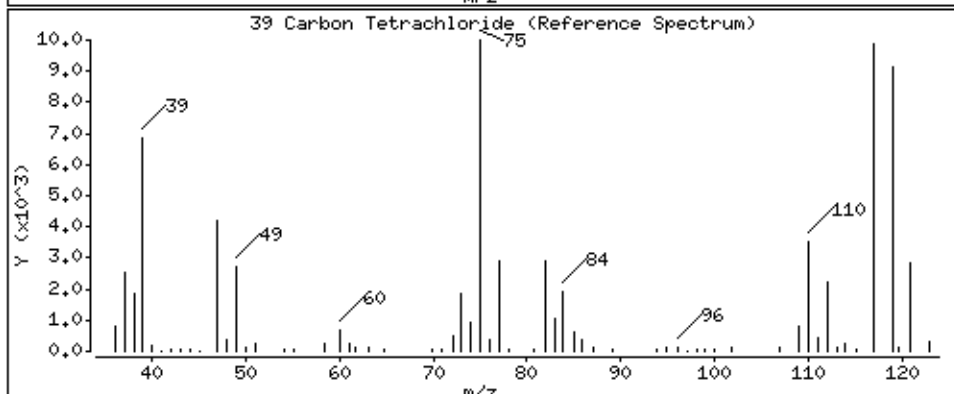
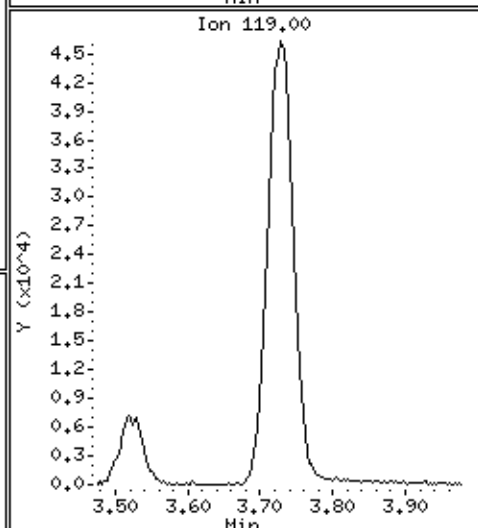
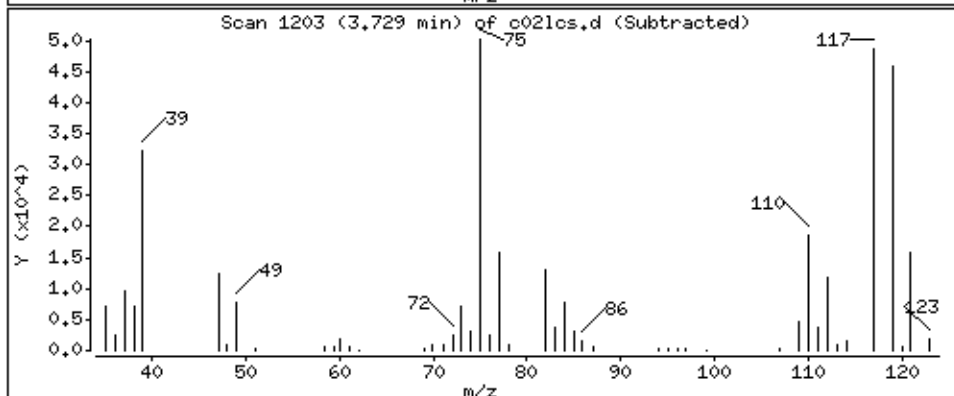
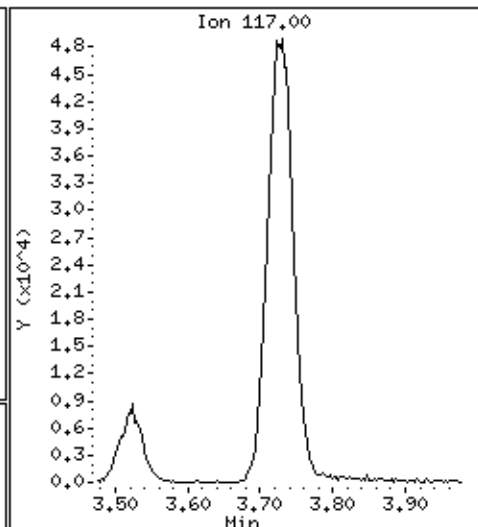
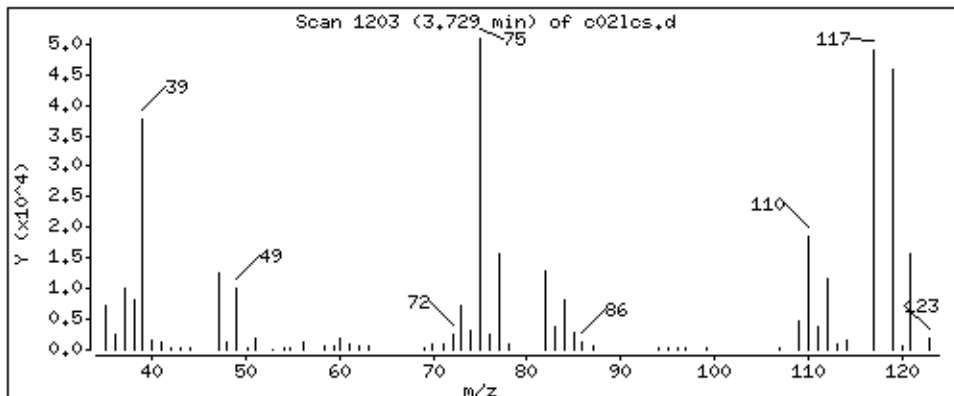
Operator: amv

Column phase: DB-624

Column diameter: 0,18

39 Carbon Tetrachloride

Concentration: 47.1 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

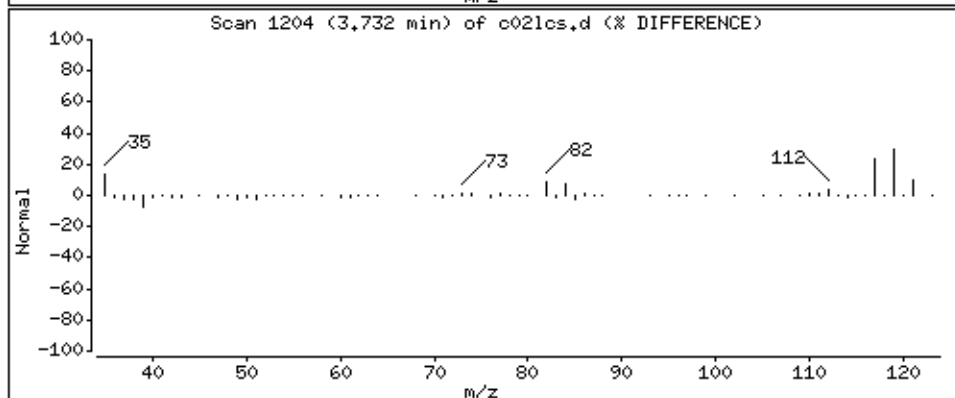
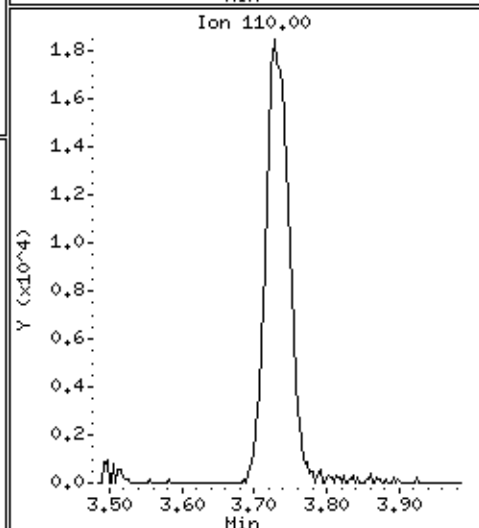
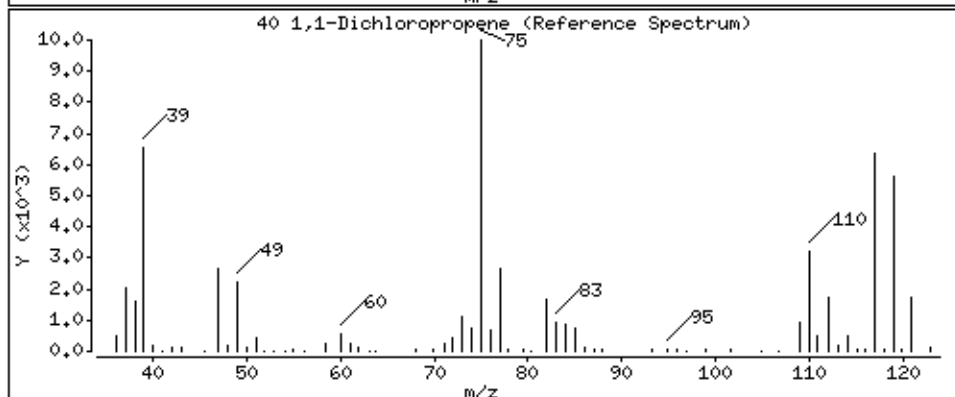
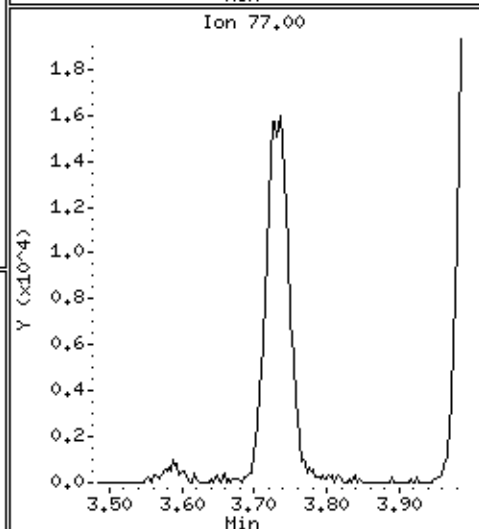
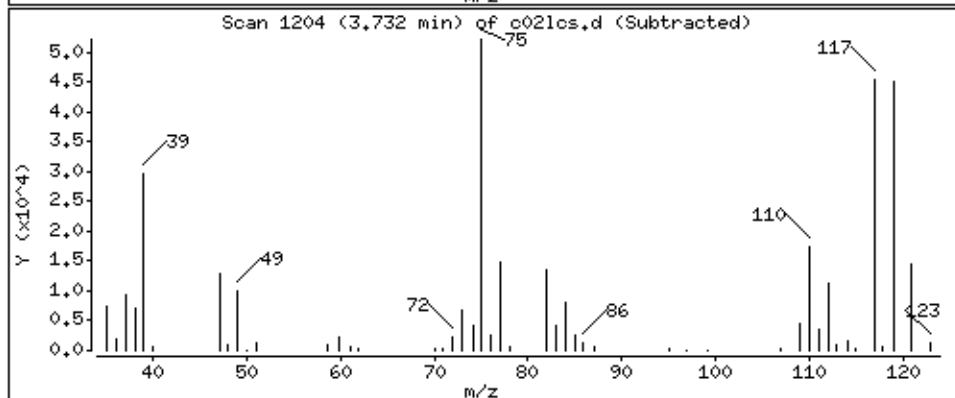
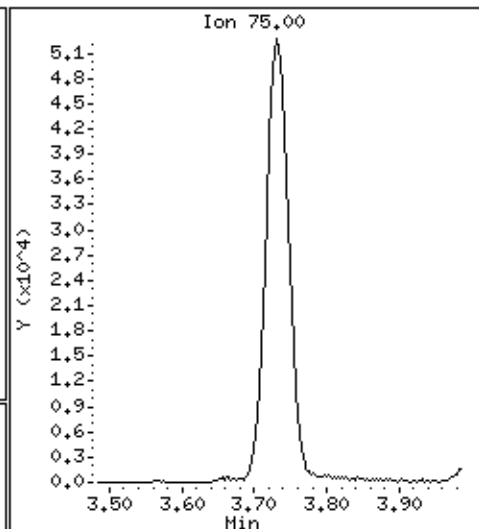
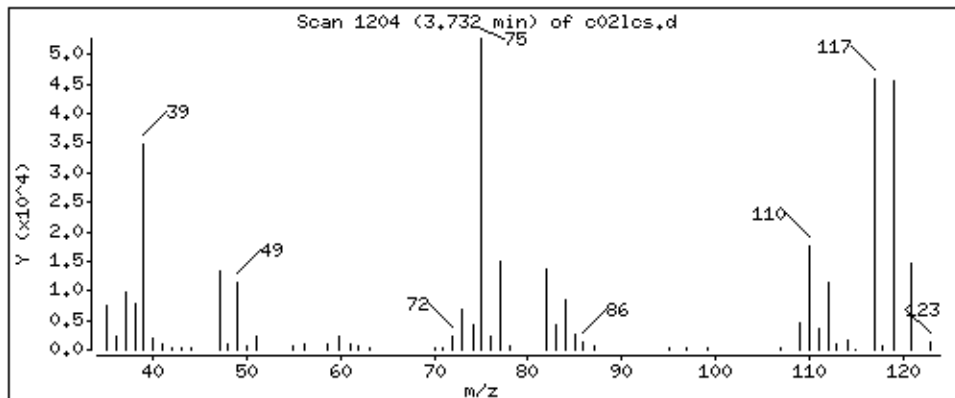
Operator: amv

Column phase: DB-624

Column diameter: 0,18

40 1,1-Dichloropropene

Concentration: 46,8 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

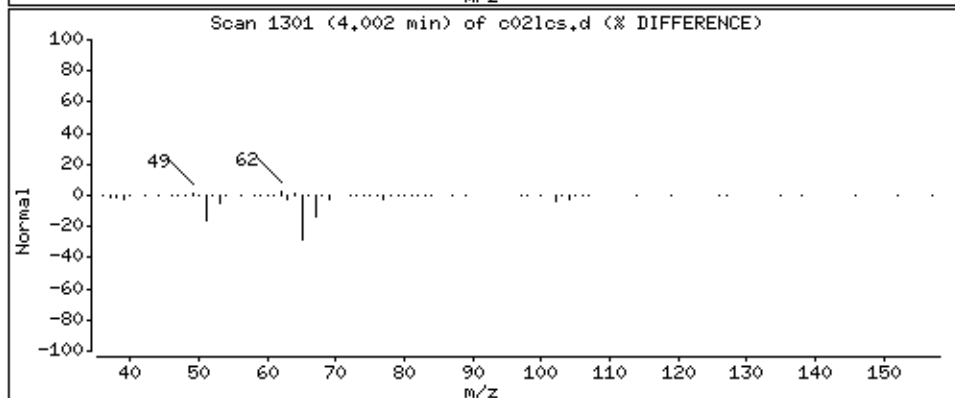
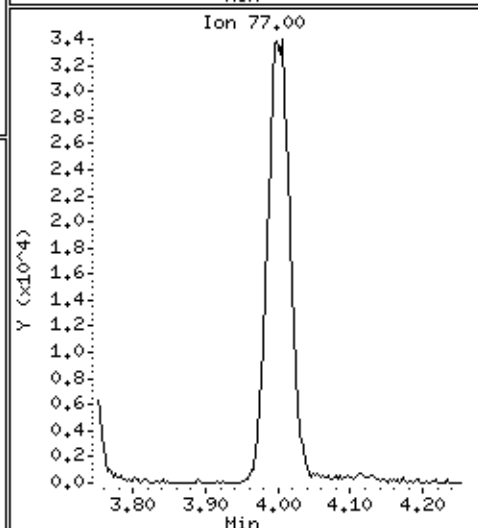
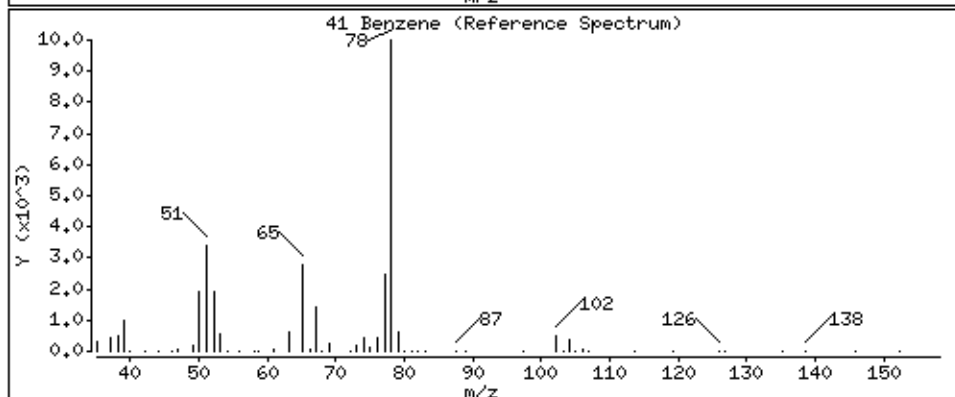
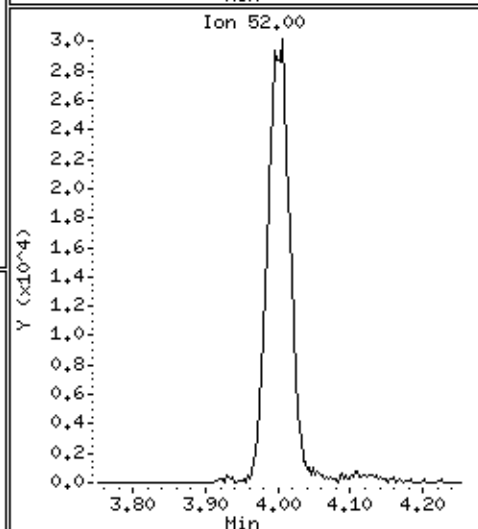
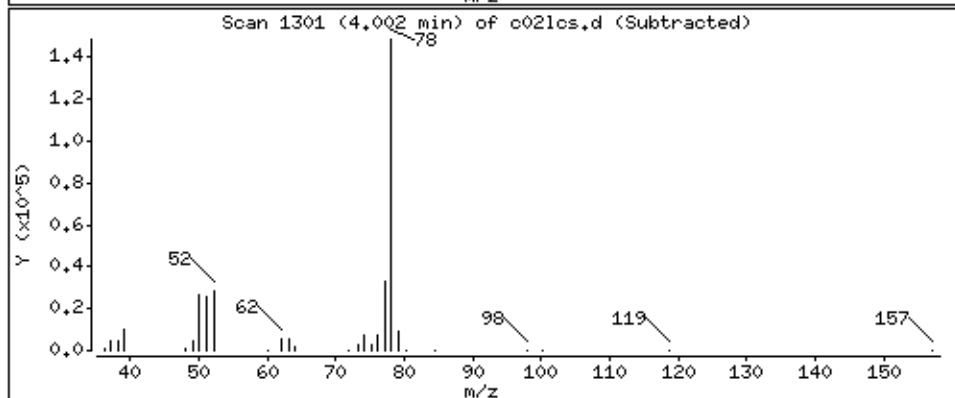
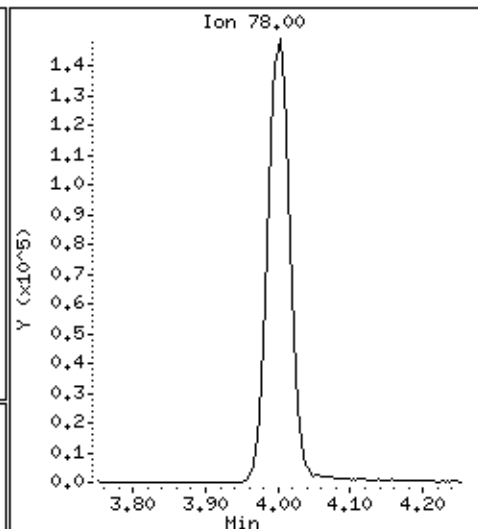
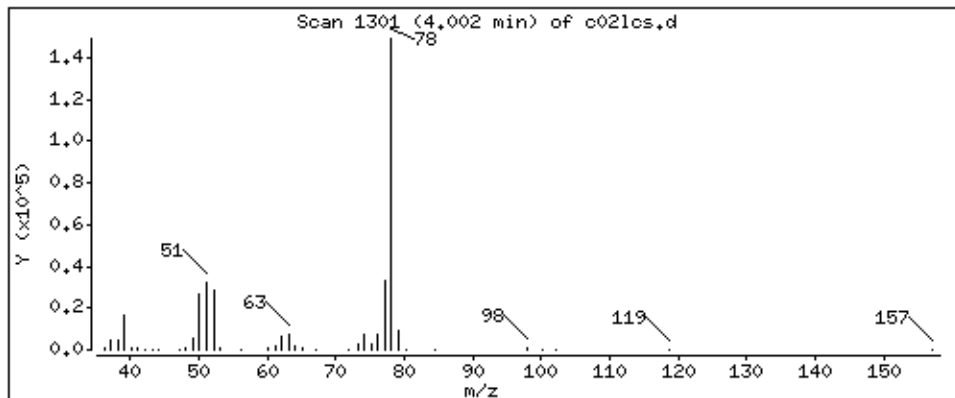
Operator: amv

Column phase: DB-624

Column diameter: 0,18

41 Benzene

Concentration: 46,4 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

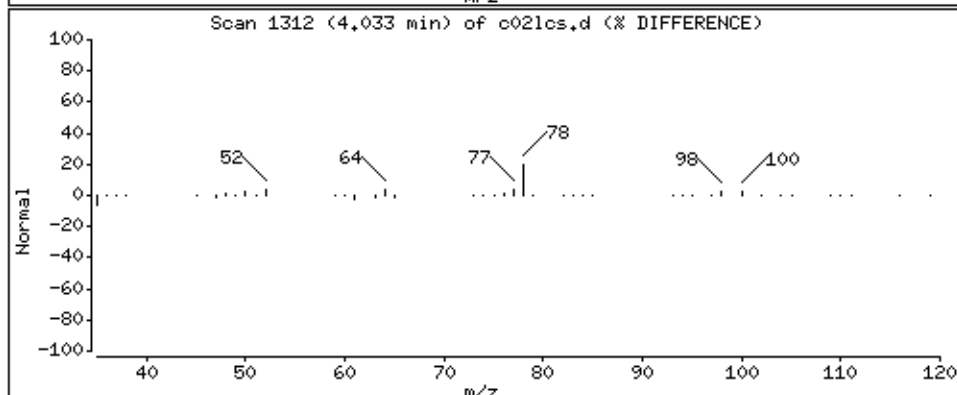
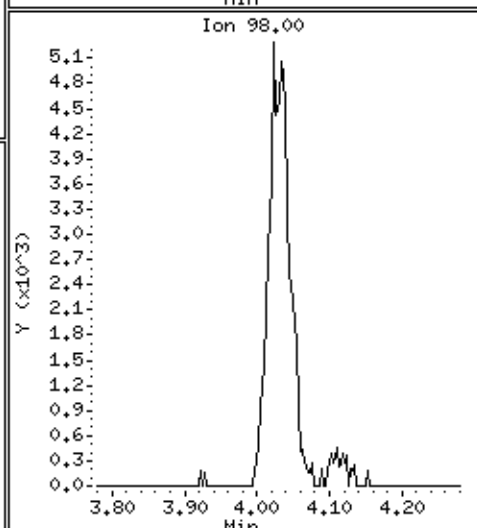
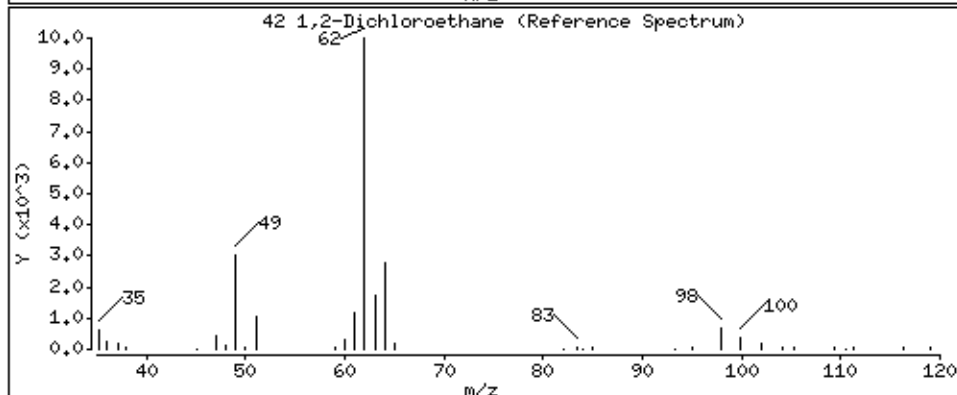
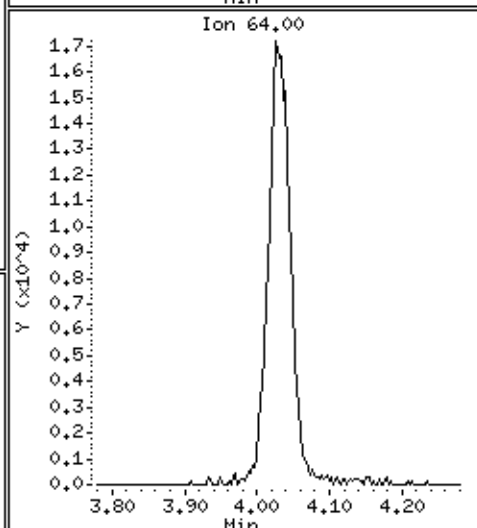
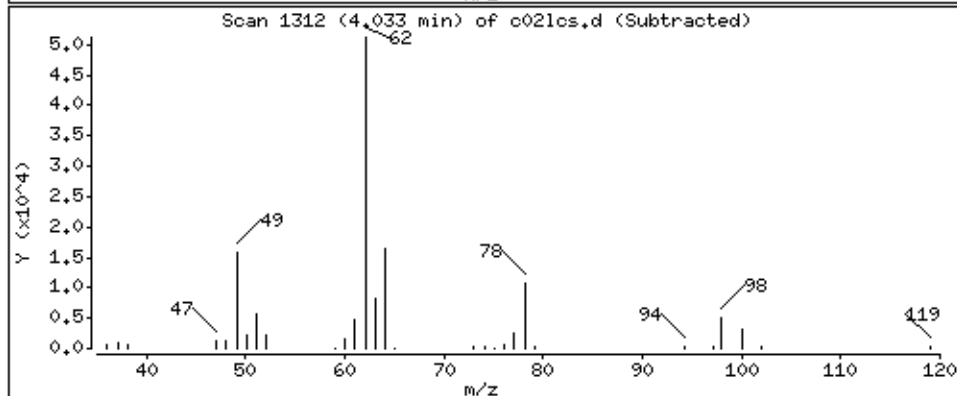
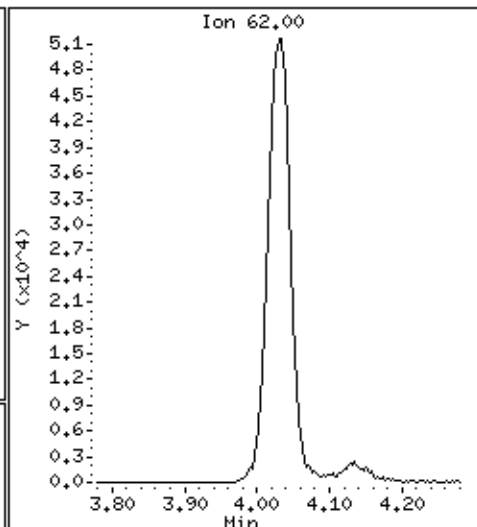
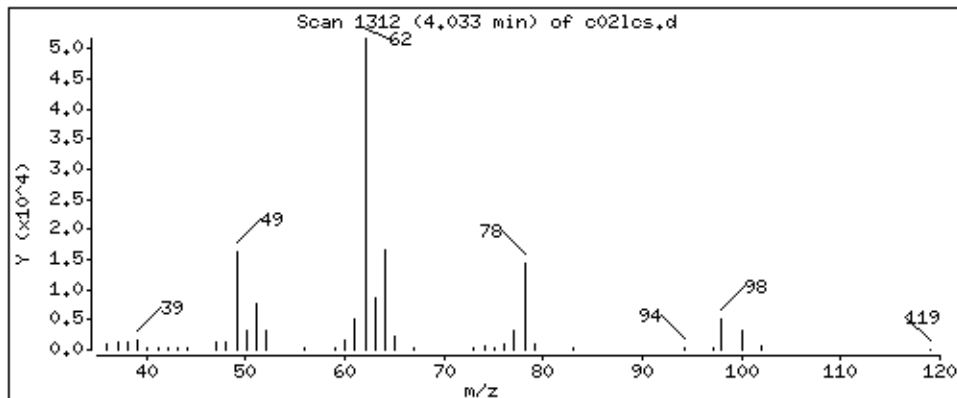
Operator: amv

Column phase: DB-624

Column diameter: 0,18

42 1,2-Dichloroethane

Concentration: 44,1 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

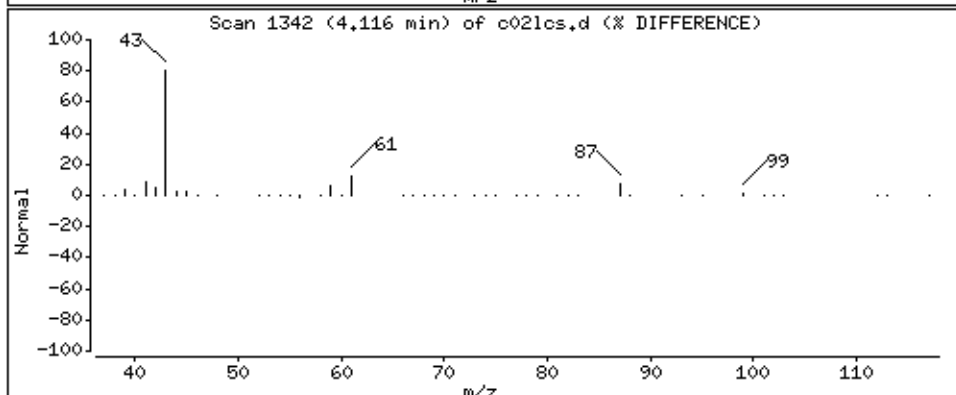
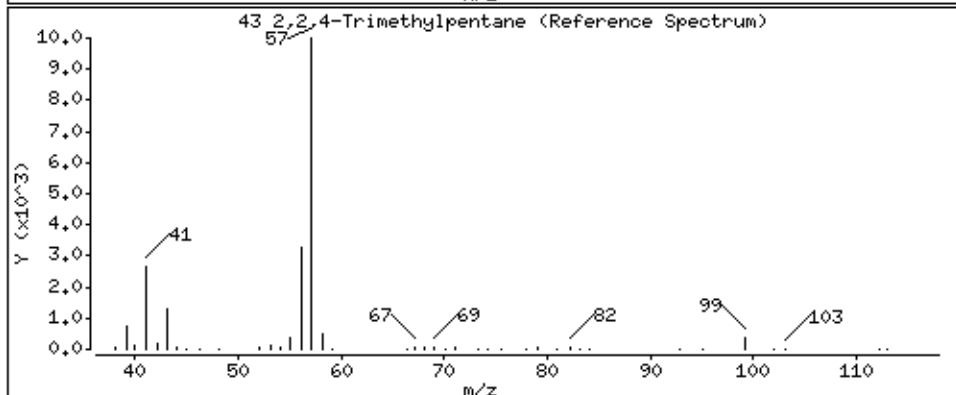
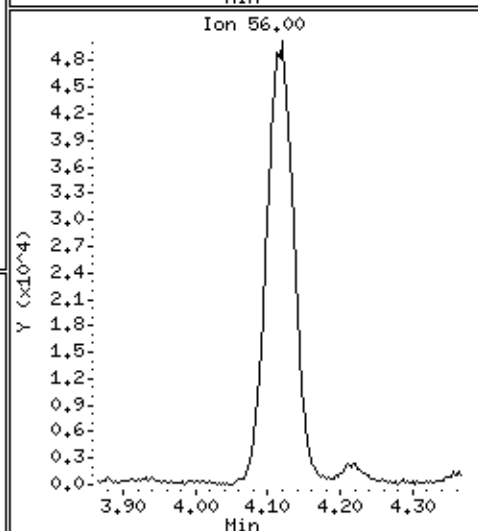
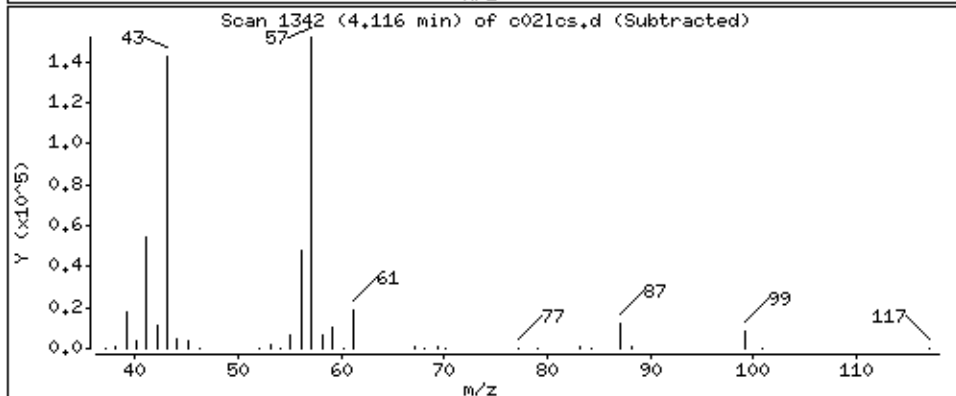
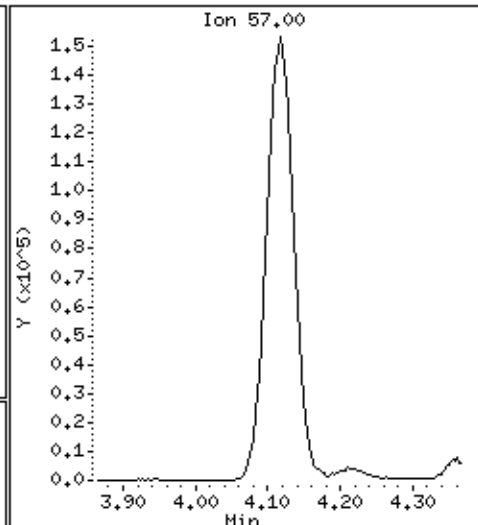
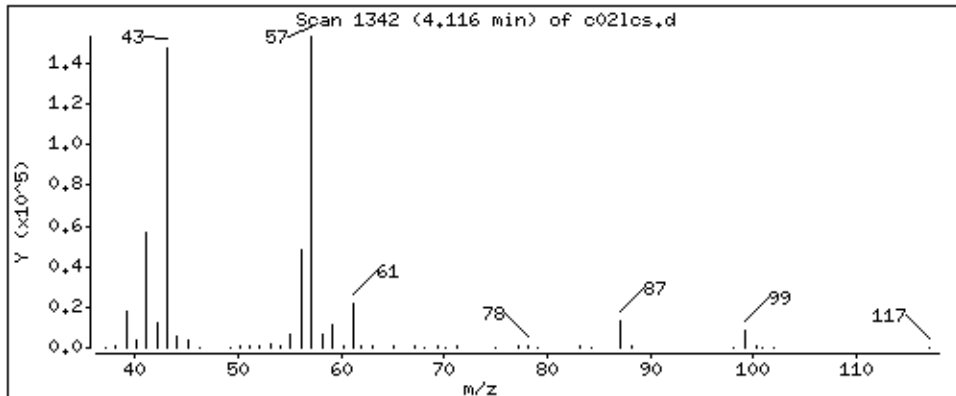
Operator: amv

Column phase: DB-624

Column diameter: 0,18

43 2,2,4-Trimethylpentane

Concentration: 50,5 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

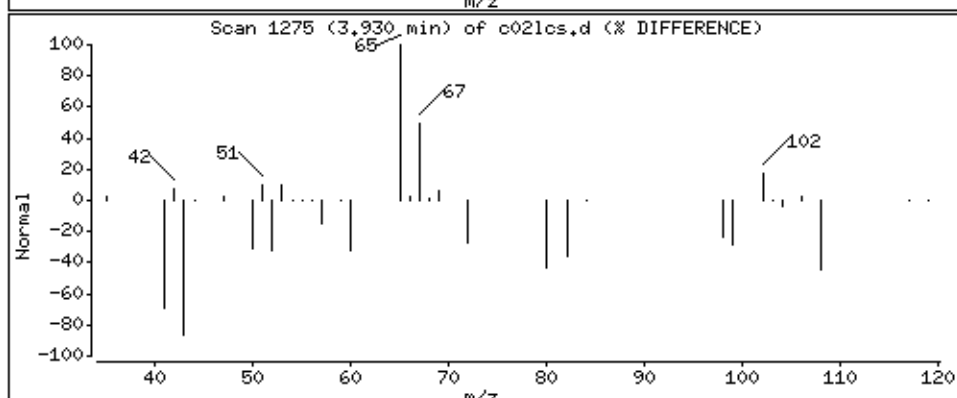
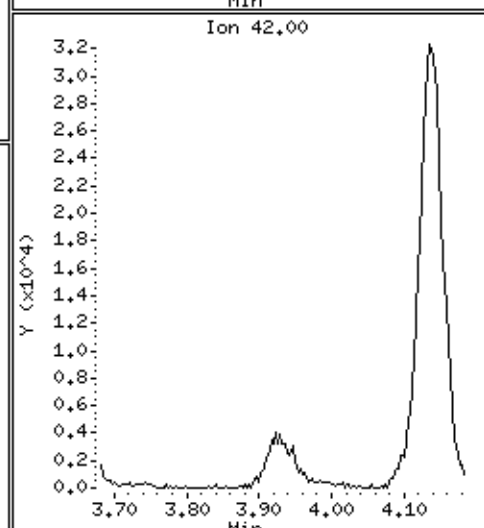
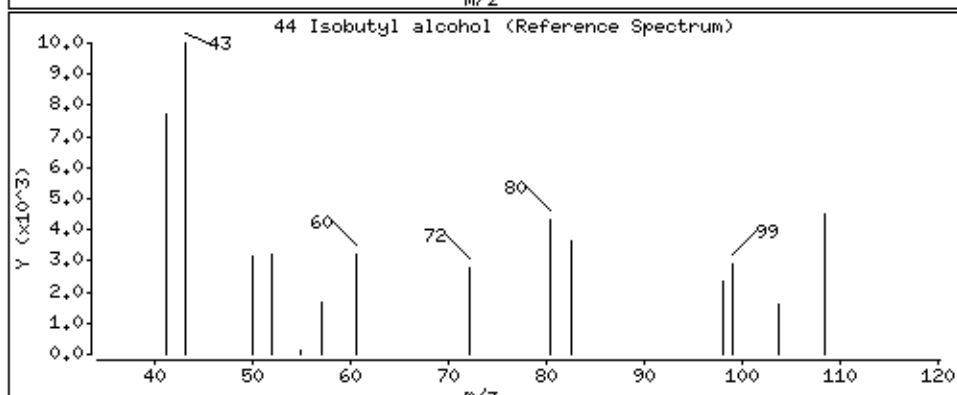
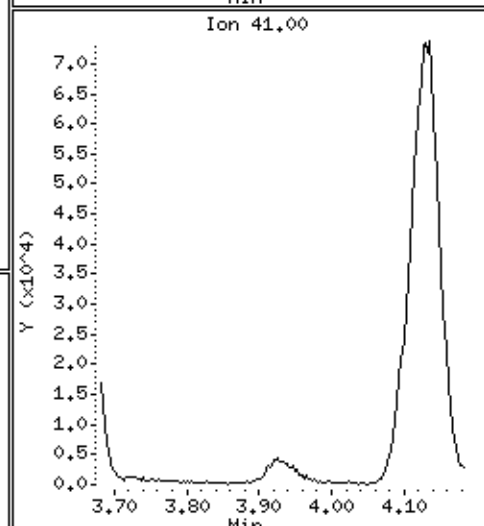
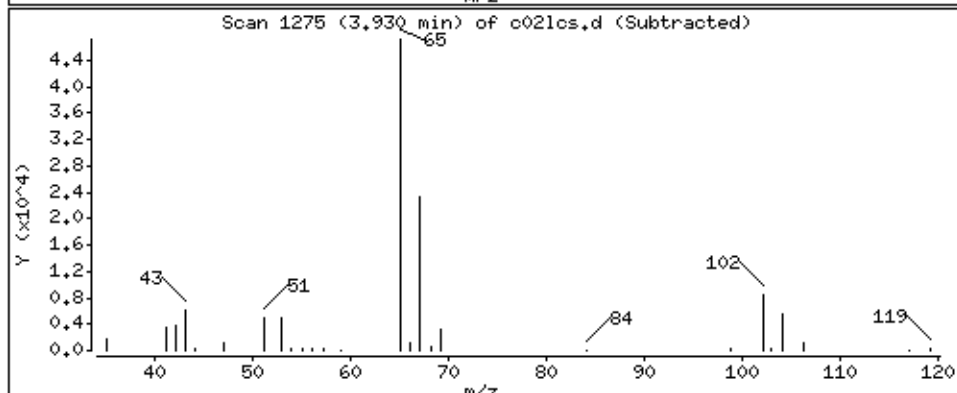
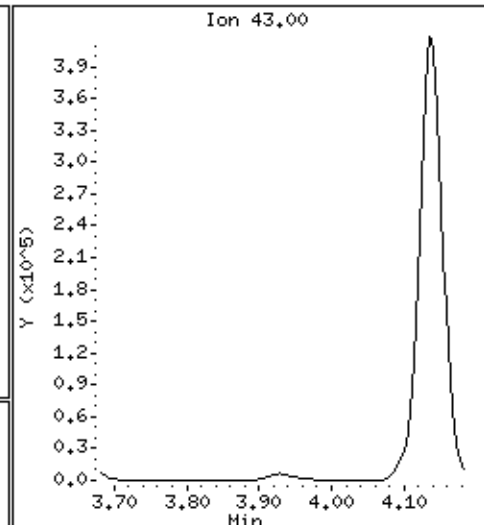
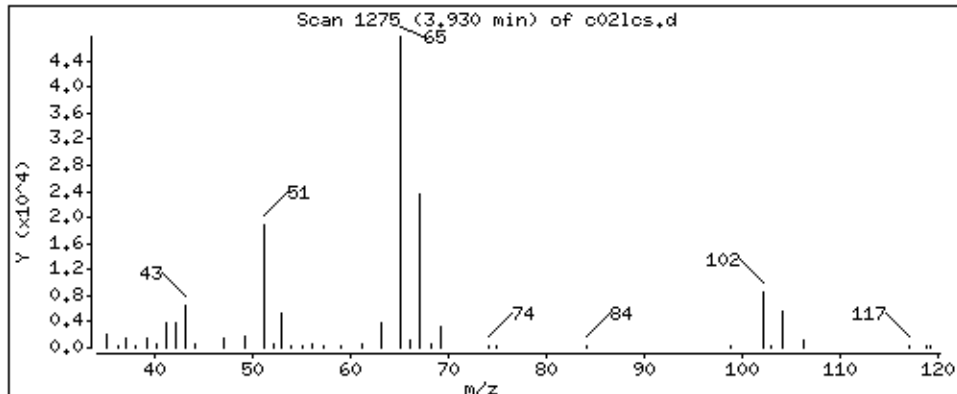
Operator: amv

Column phase: DB-624

Column diameter: 0,18

44 Isobutyl alcohol

Concentration: 332 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

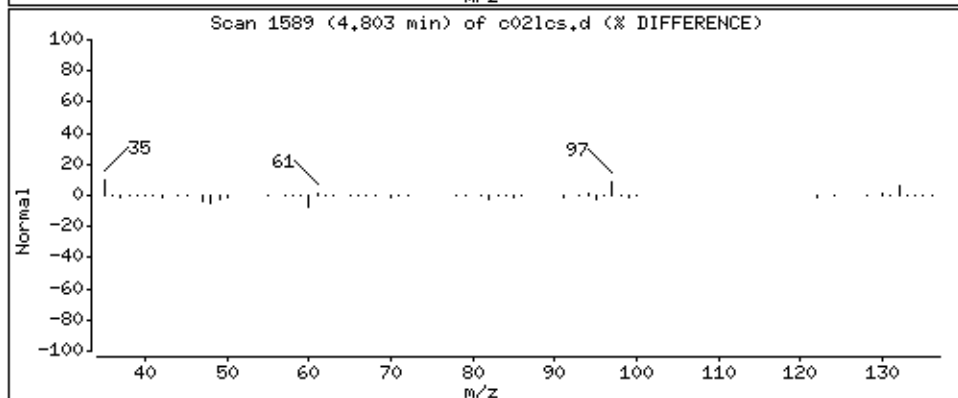
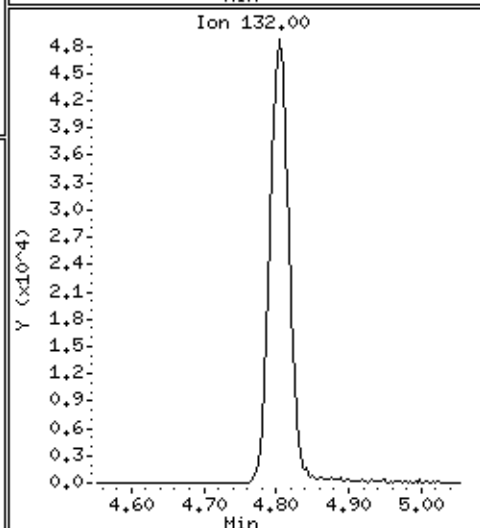
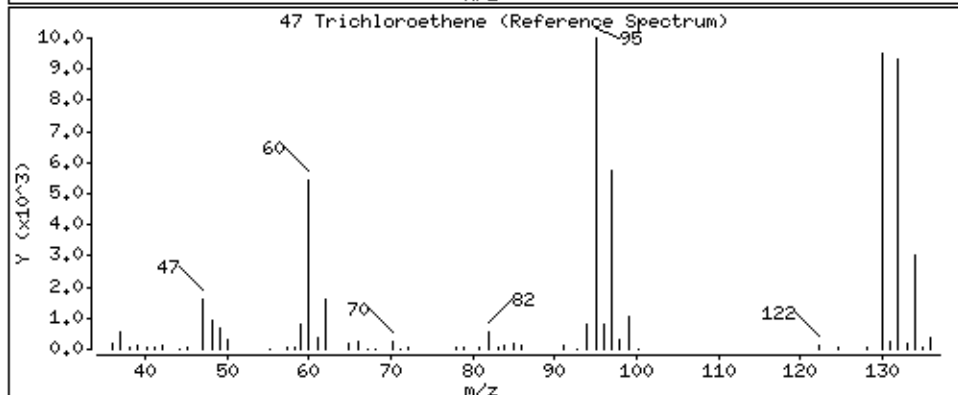
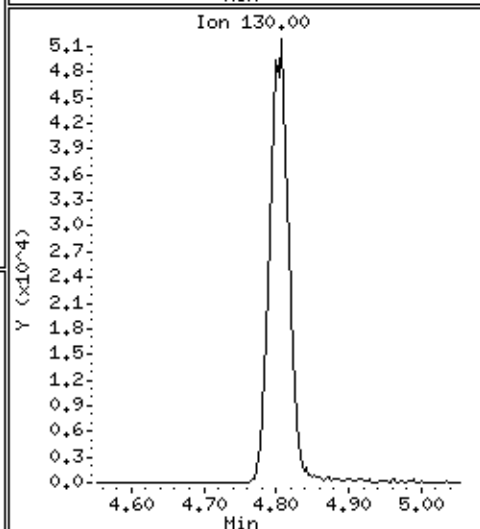
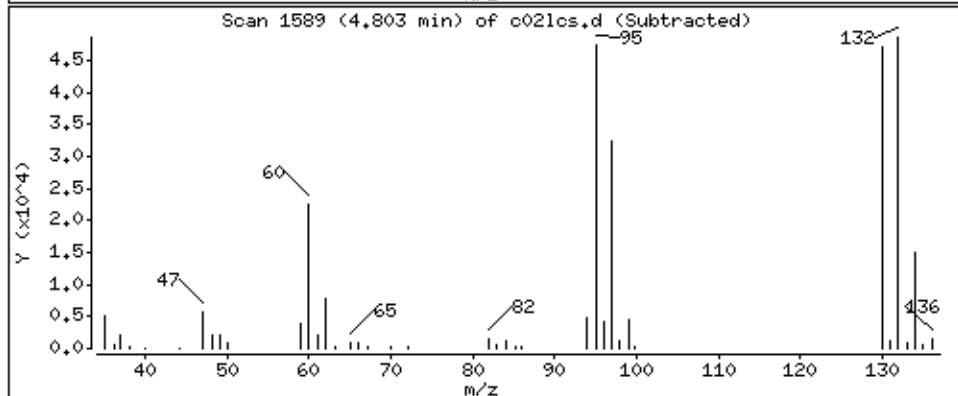
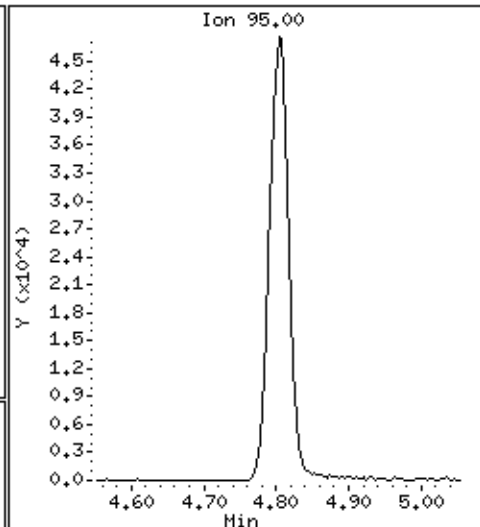
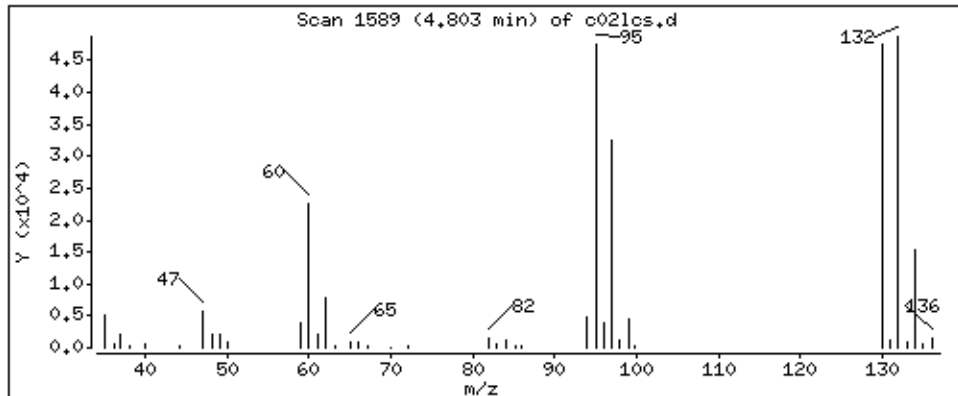
Operator: amv

Column phase: DB-624

Column diameter: 0,18

47 Trichloroethene

Concentration: 45,7 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

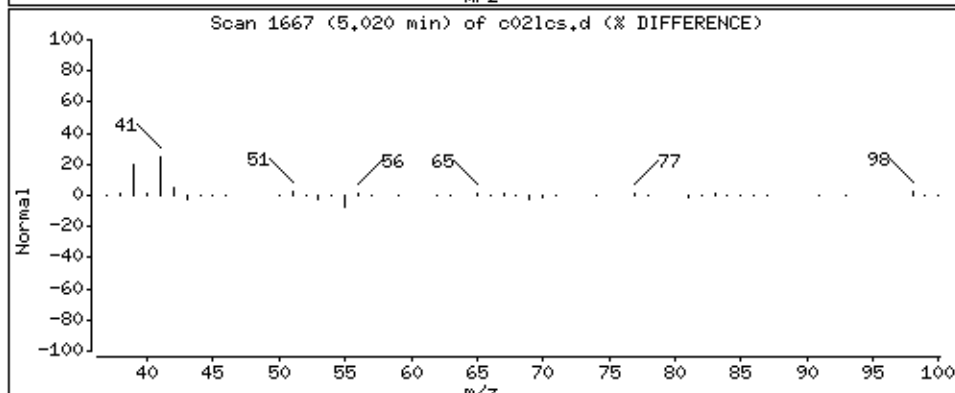
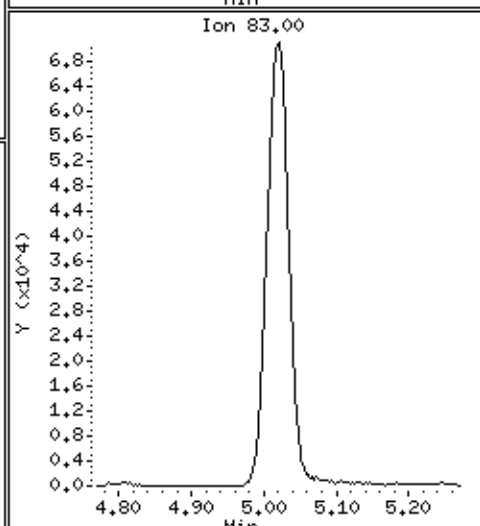
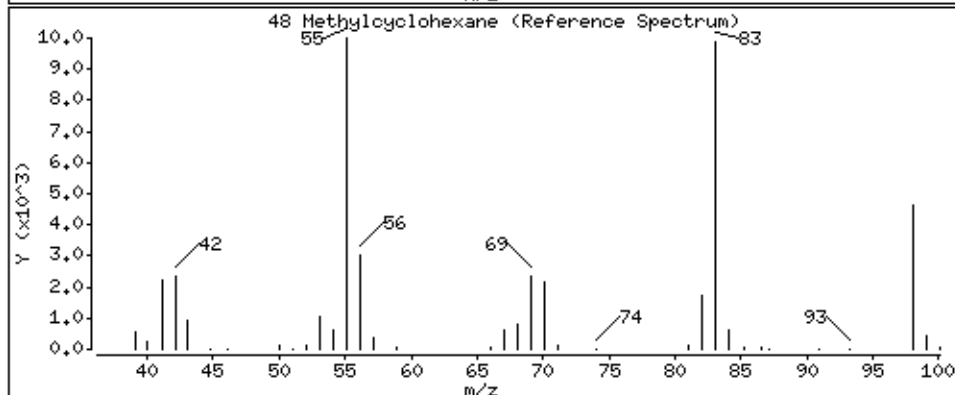
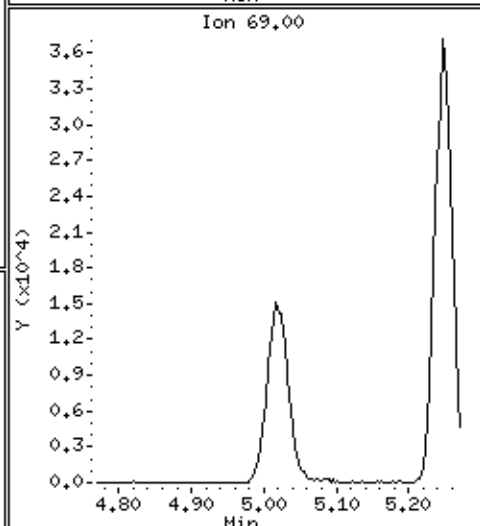
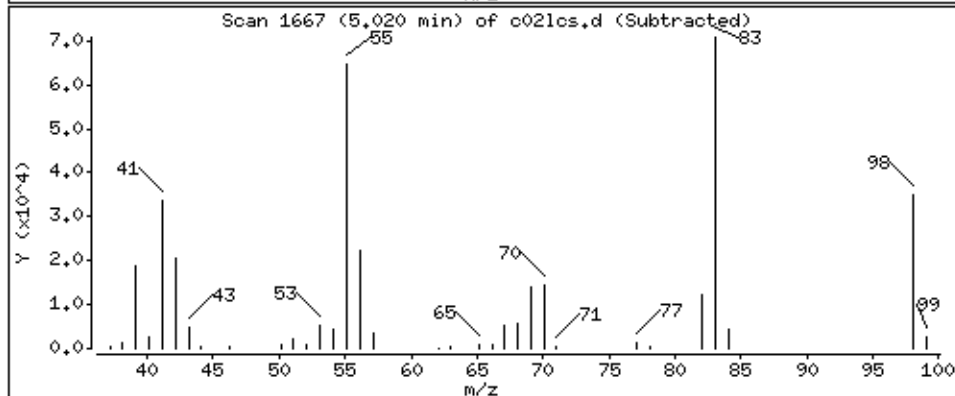
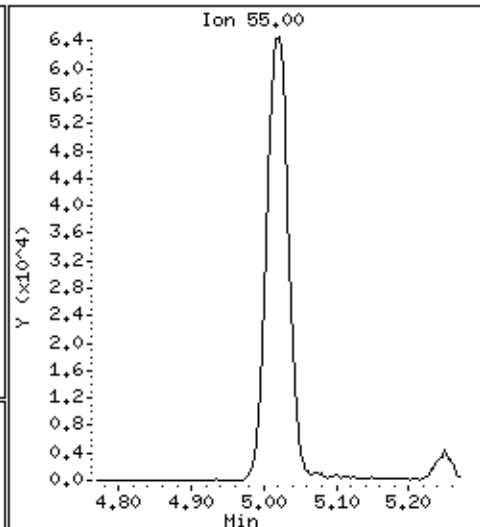
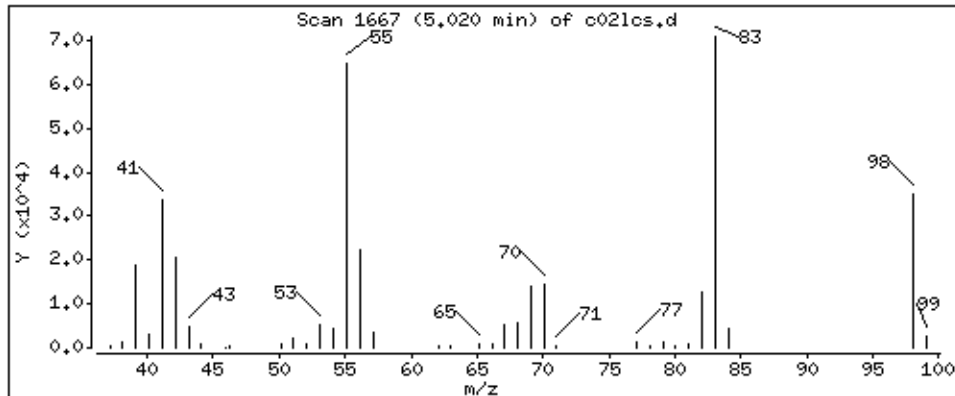
Operator: amv

Column phase: DB-624

Column diameter: 0.18

48 Methylcyclohexane

Concentration: 41.4 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

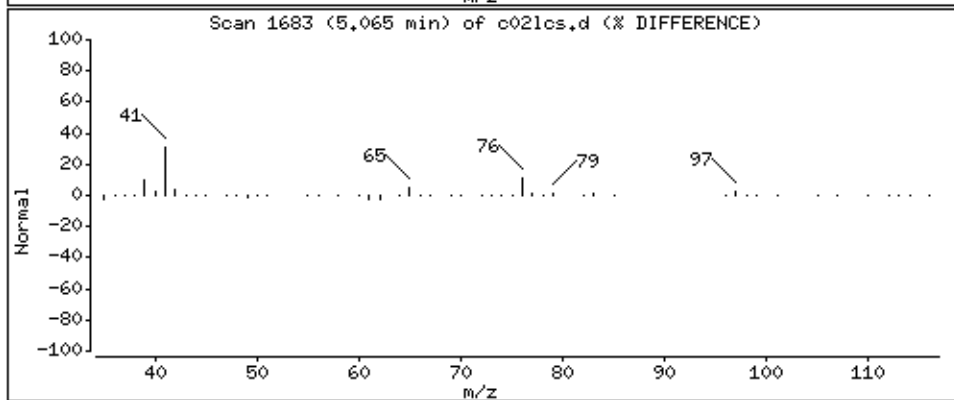
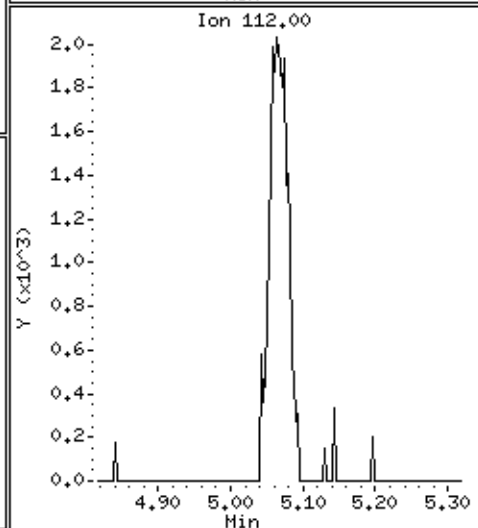
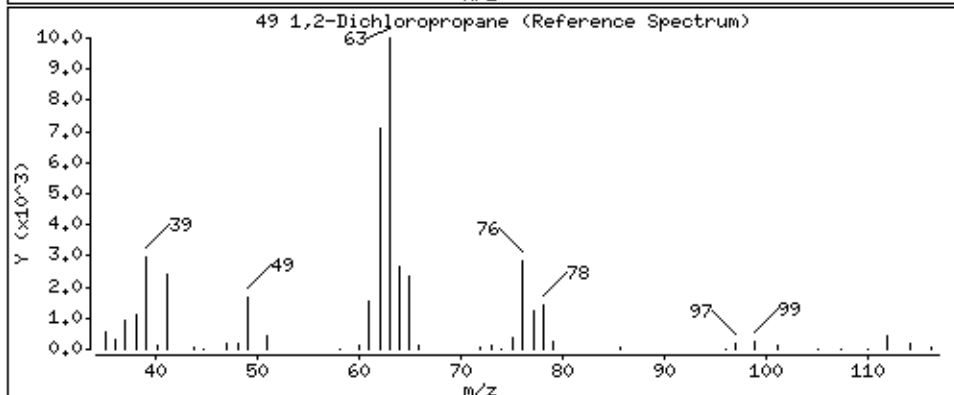
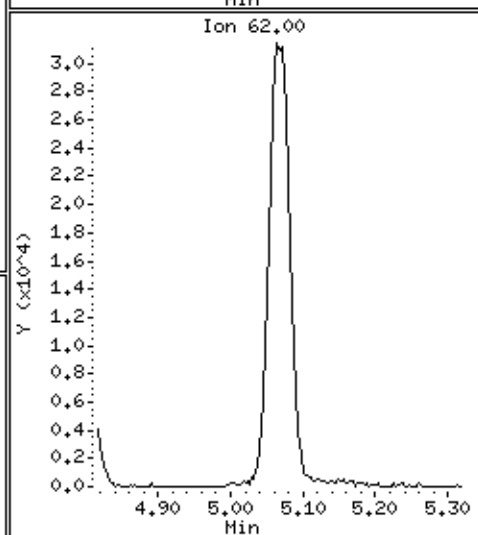
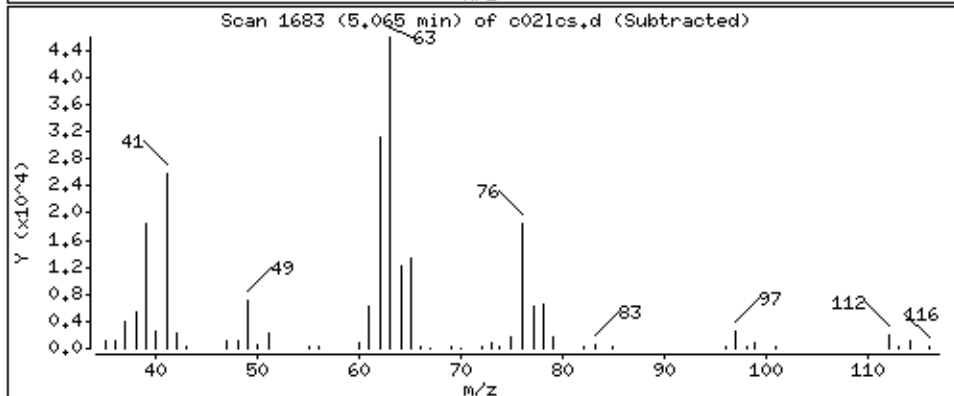
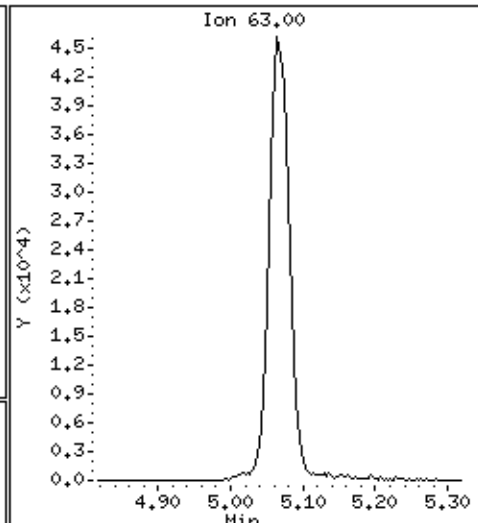
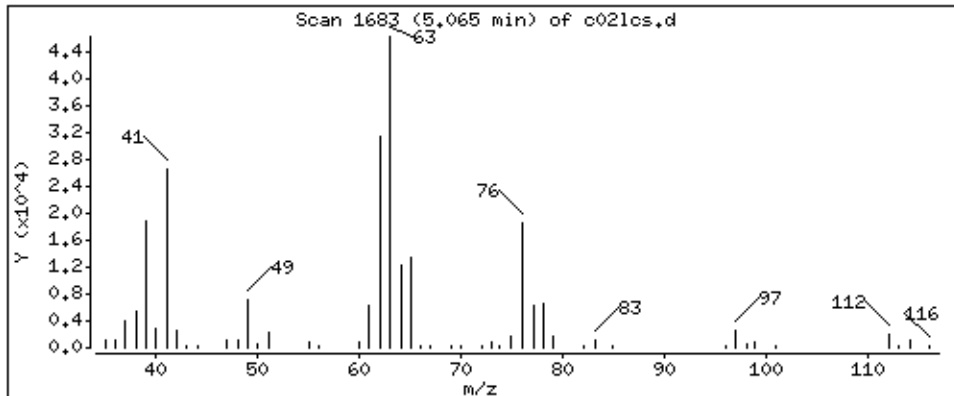
Operator: amv

Column phase: DB-624

Column diameter: 0.18

49 1,2-Dichloropropane

Concentration: 48.3 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

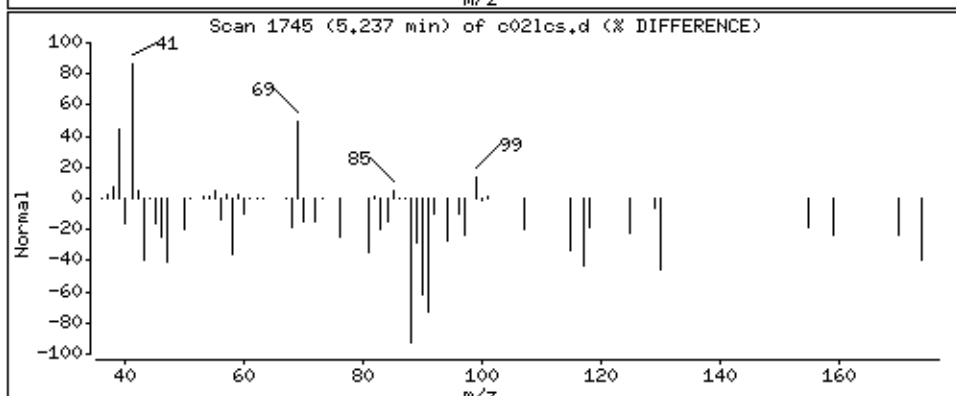
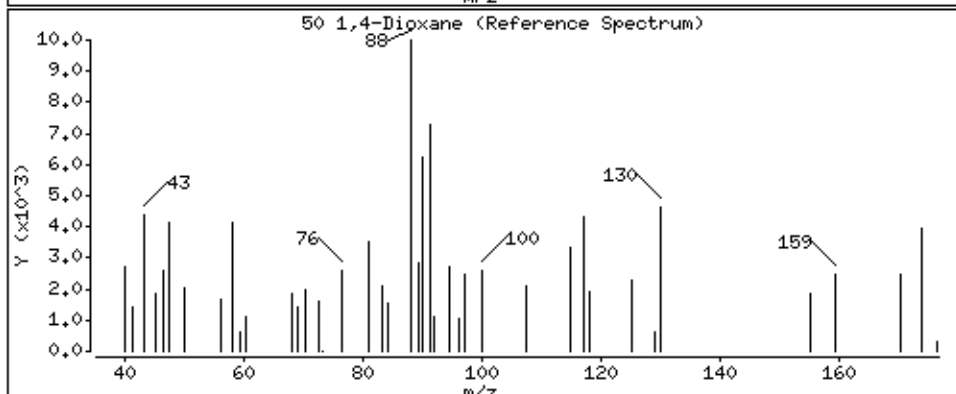
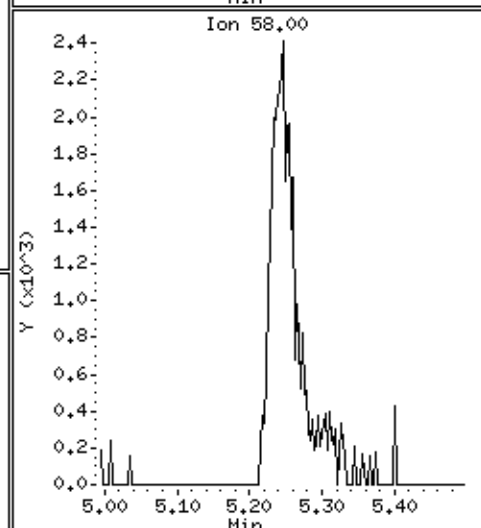
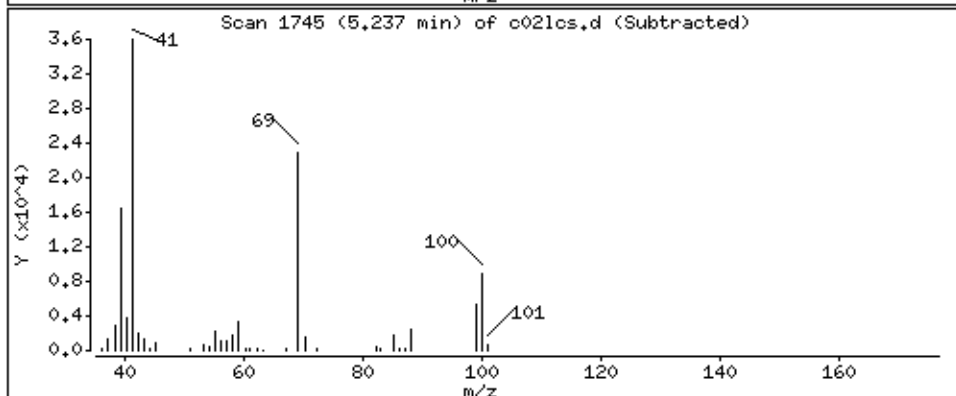
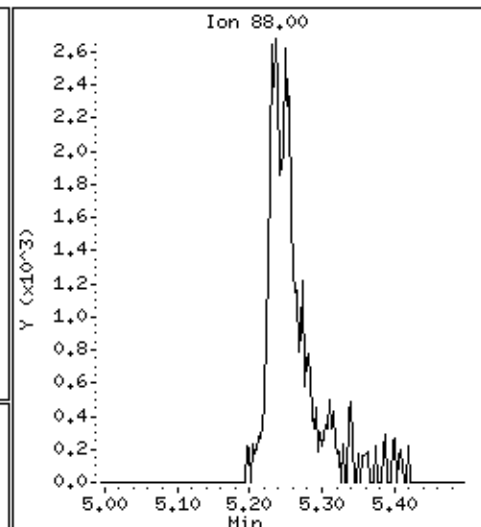
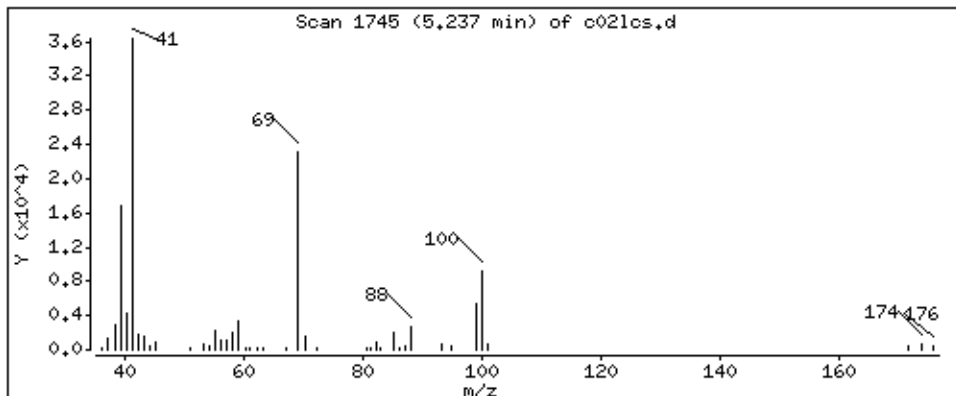
Operator: amv

Column phase: DB-624

Column diameter: 0,18

50 1,4-Dioxane

Concentration: 1270 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

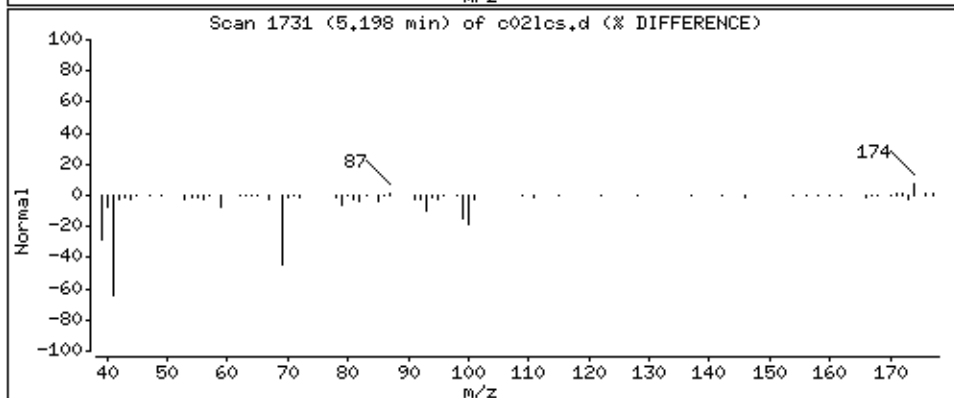
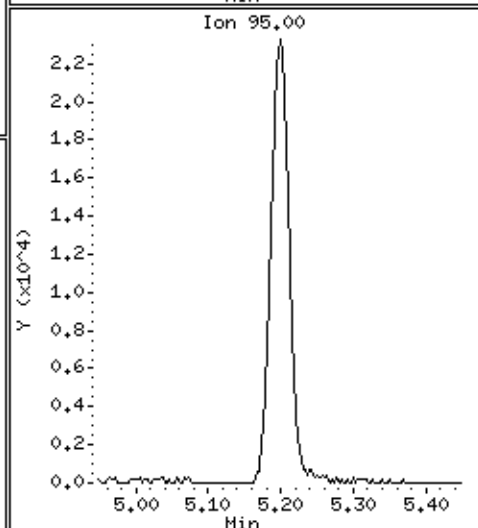
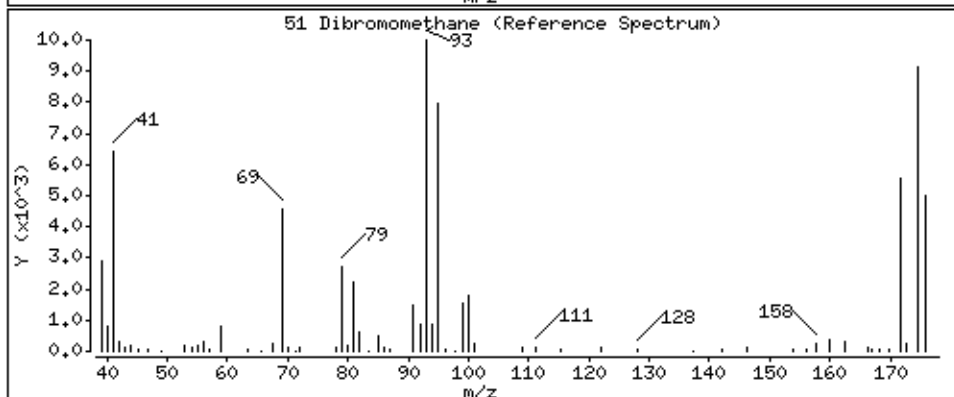
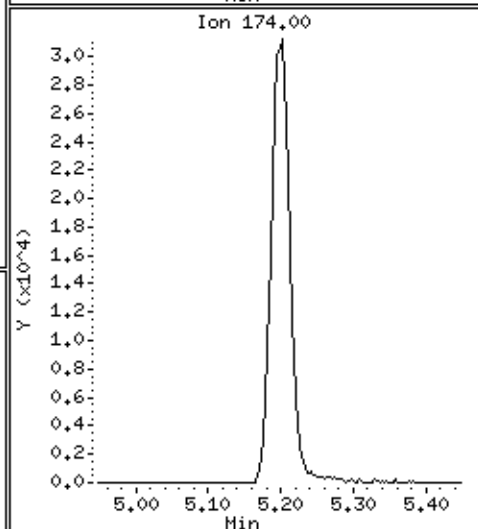
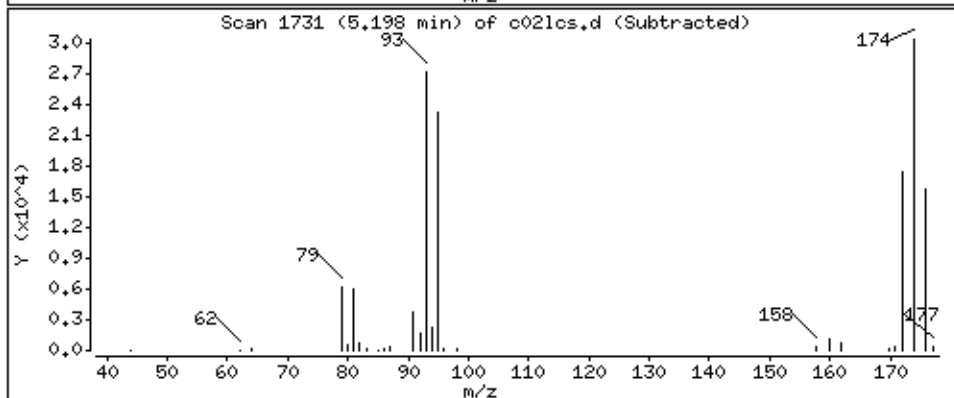
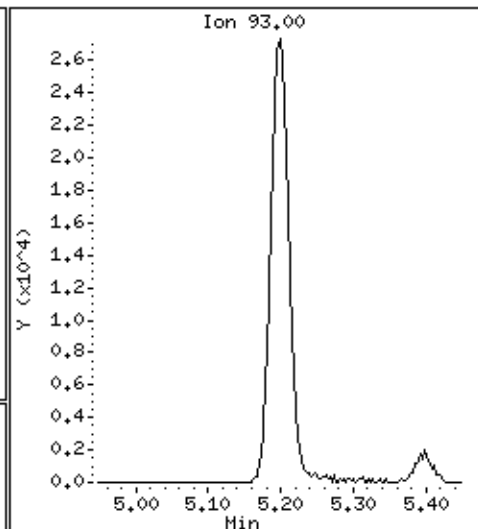
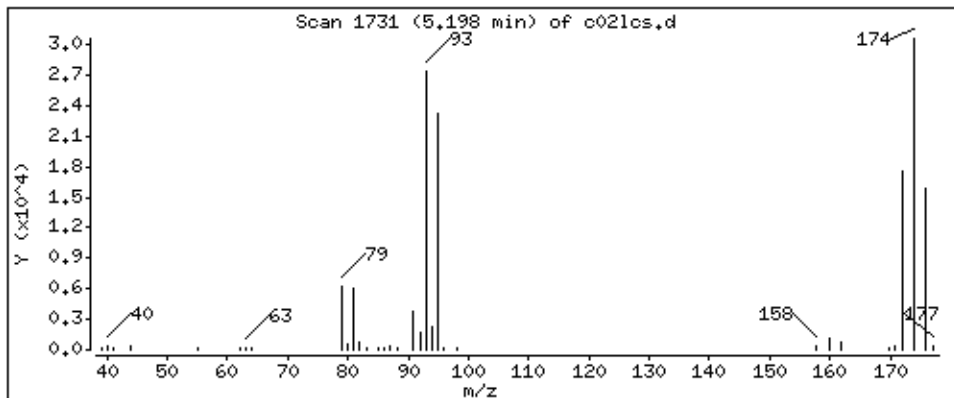
Operator: amv

Column phase: DB-624

Column diameter: 0,18

51 Dibromomethane

Concentration: 48,7 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

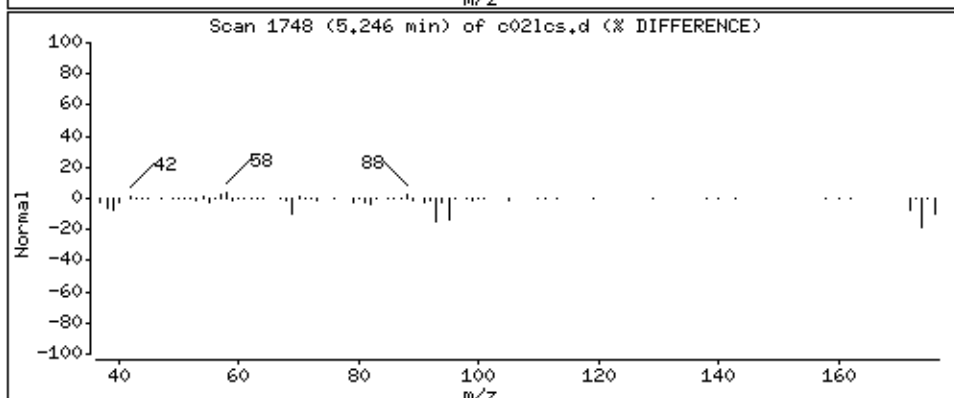
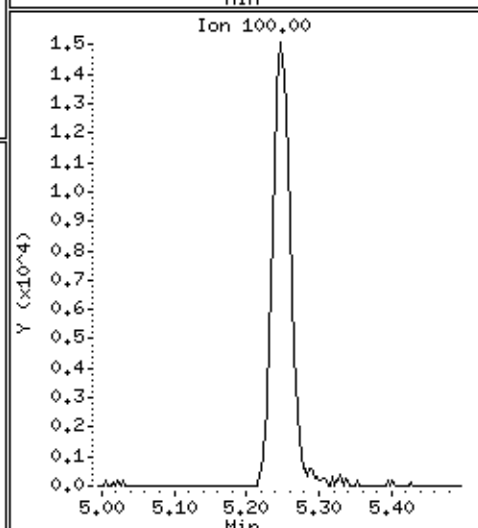
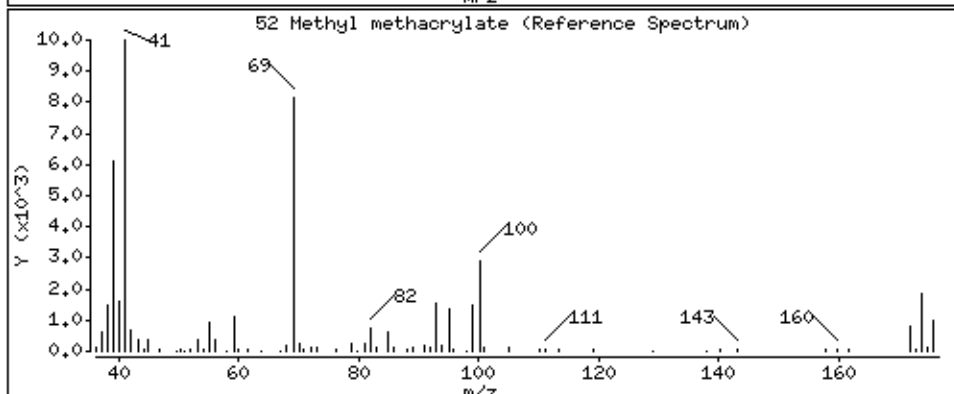
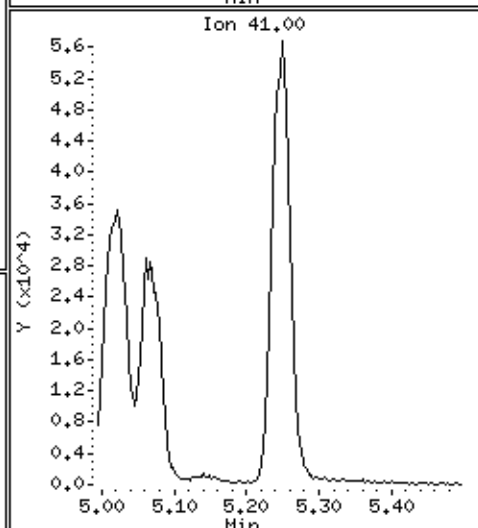
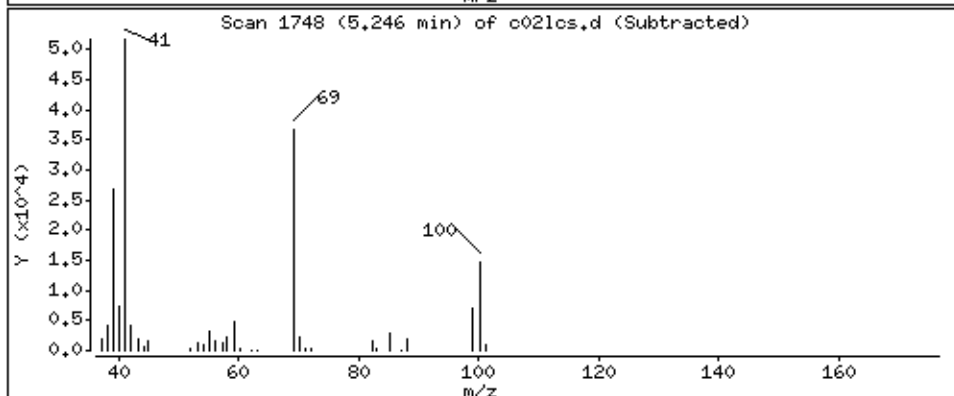
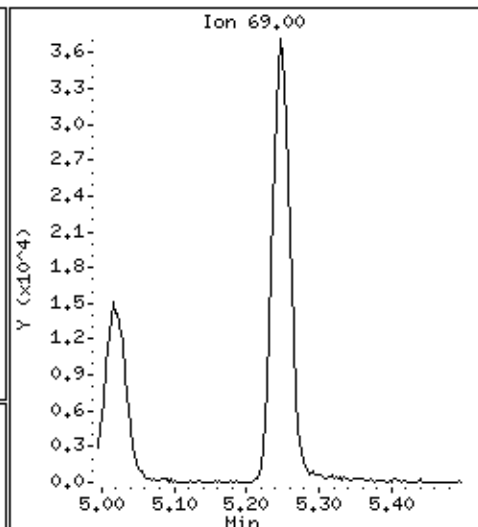
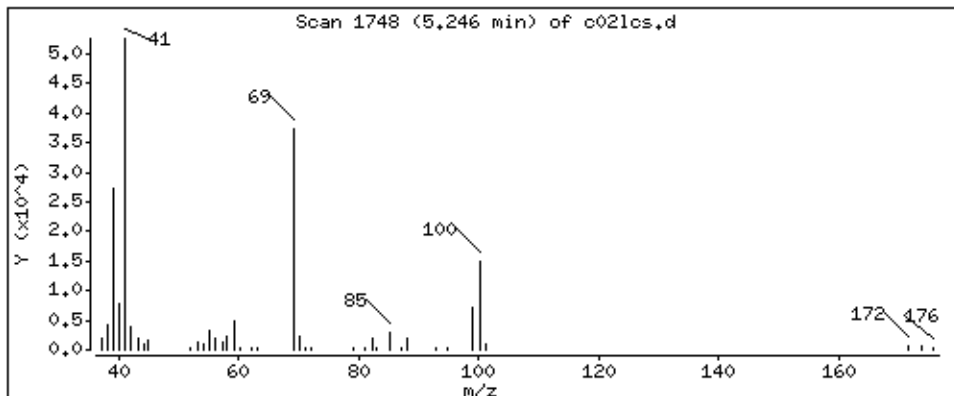
Operator: amv

Column phase: DB-624

Column diameter: 0,18

52 Methyl methacrylate

Concentration: 44.4 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mw2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

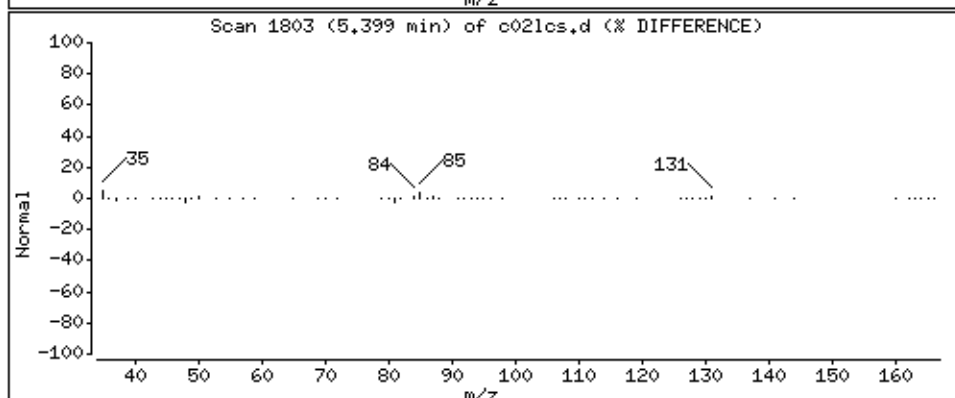
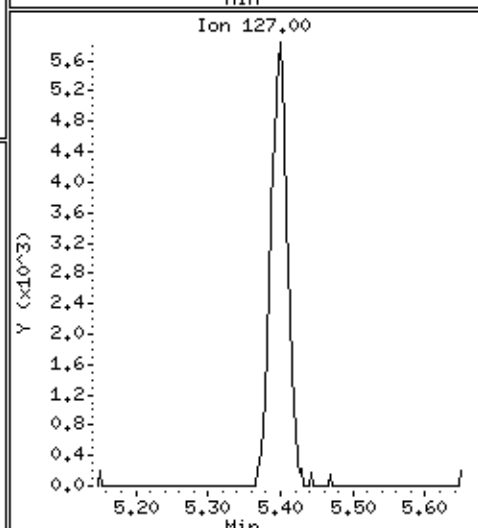
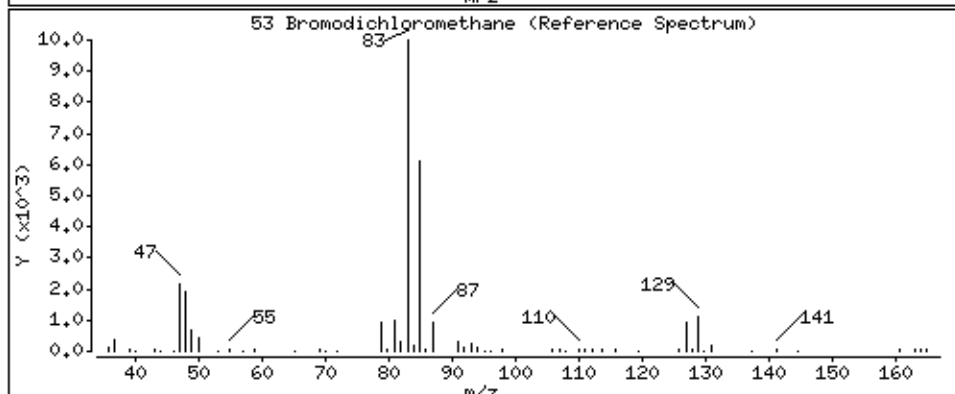
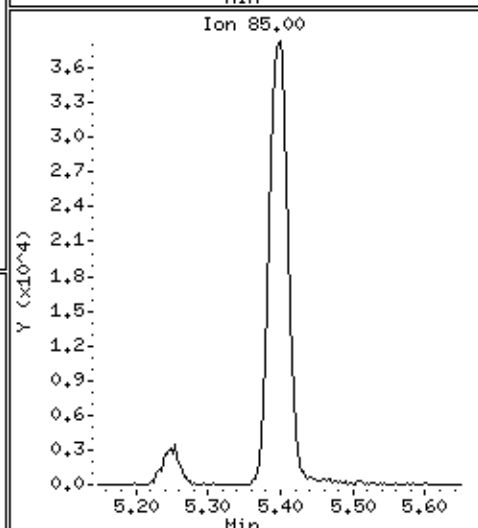
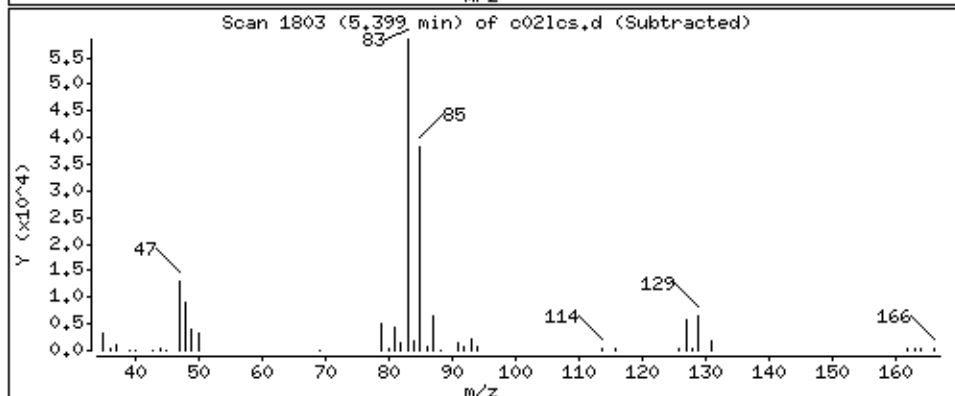
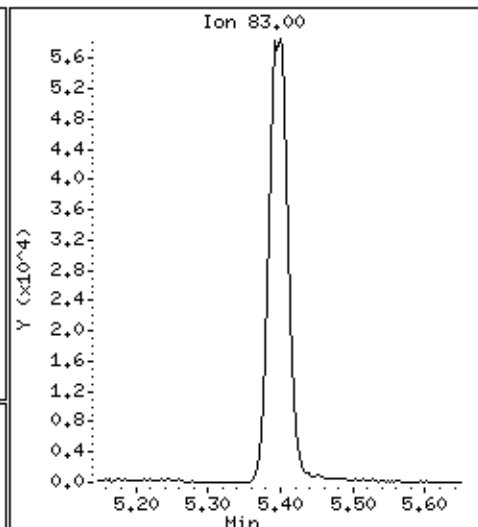
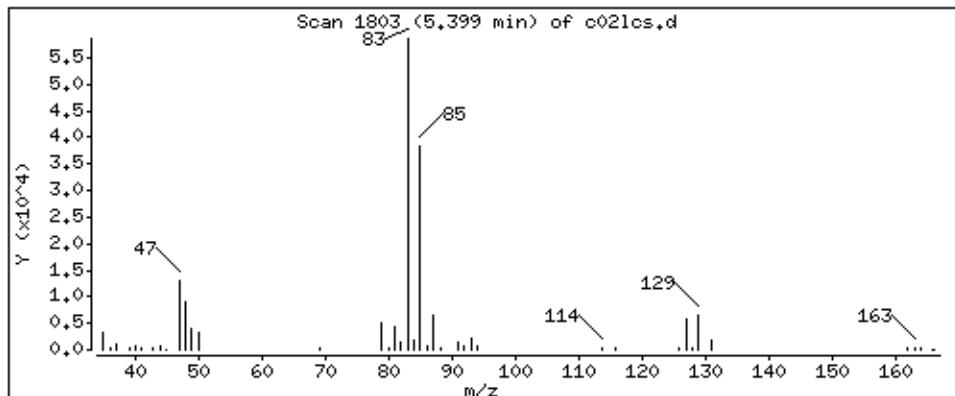
Operator: amv

Column phase: DB-624

Column diameter: 0,18

53 Bromodichloromethane

Concentration: 42.7 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

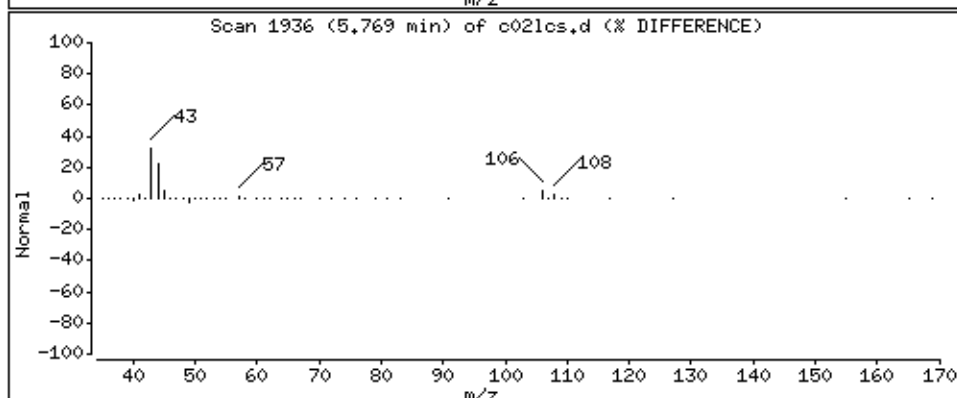
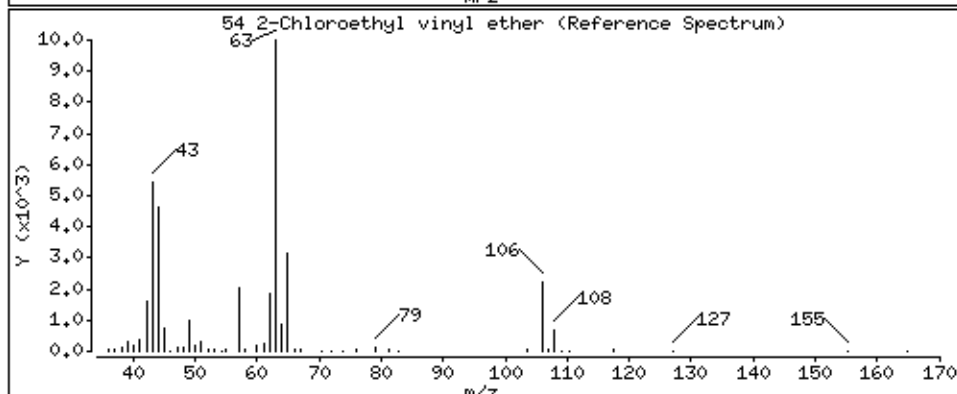
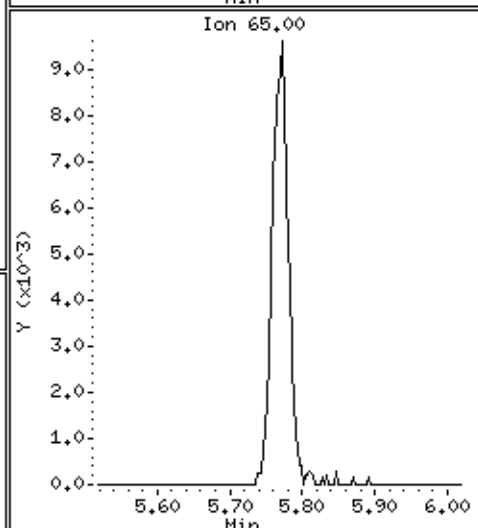
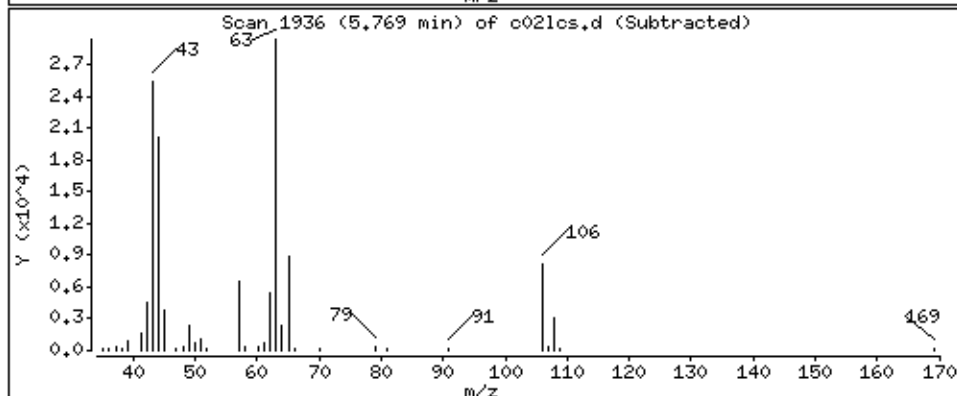
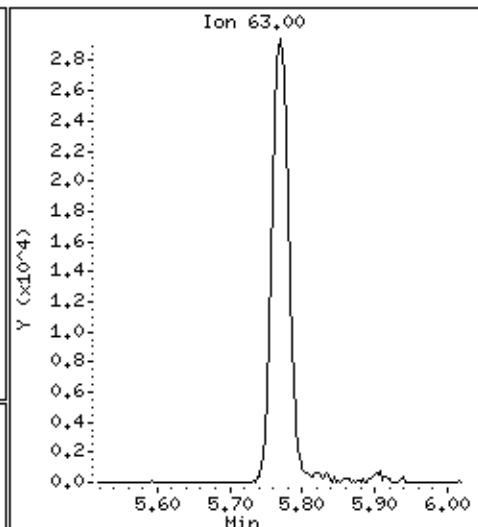
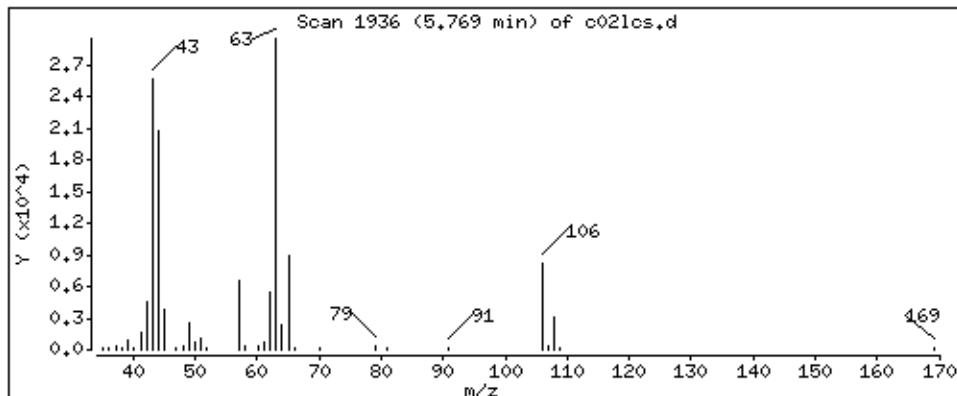
Operator: amv

Column phase: DB-624

Column diameter: 0,18

54 2-Chloroethyl vinyl ether

Concentration: 33,3 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

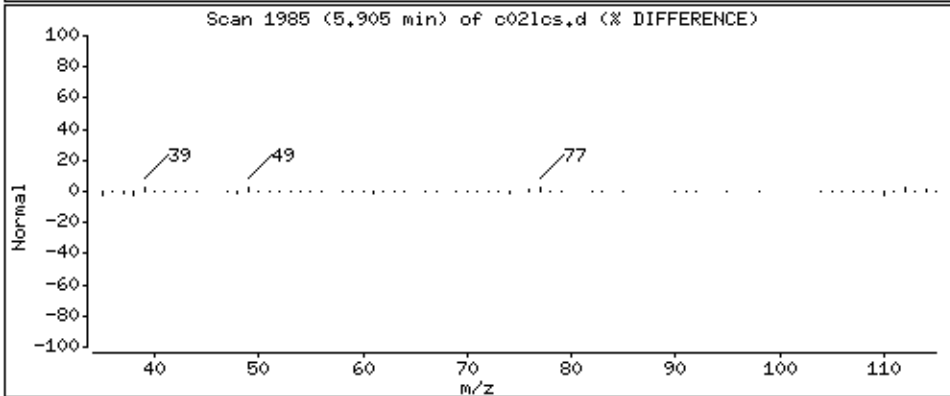
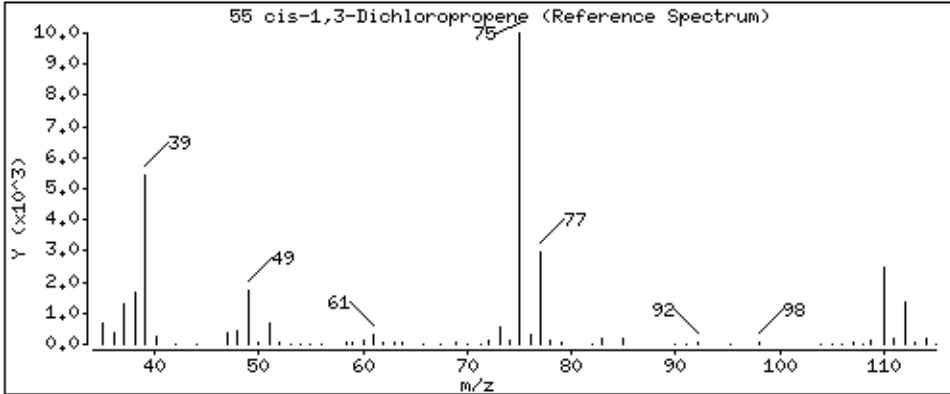
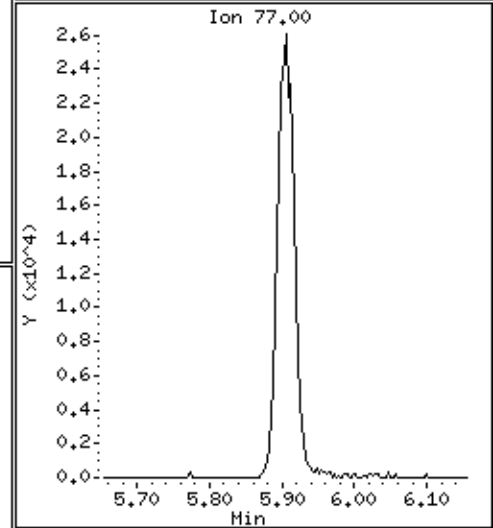
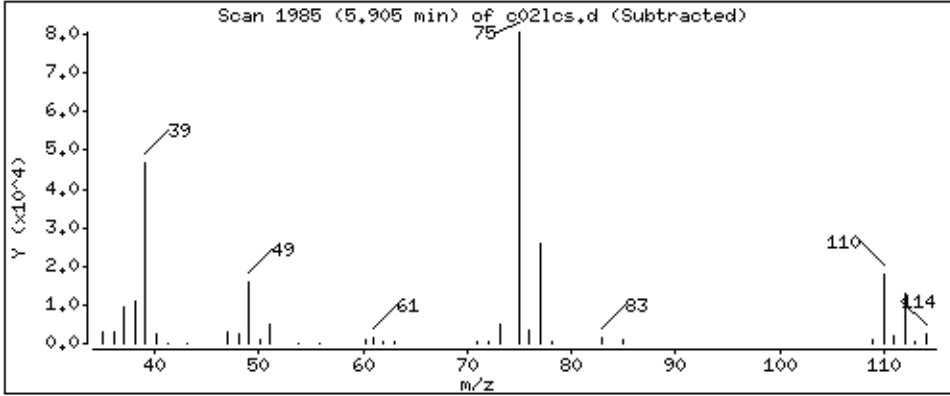
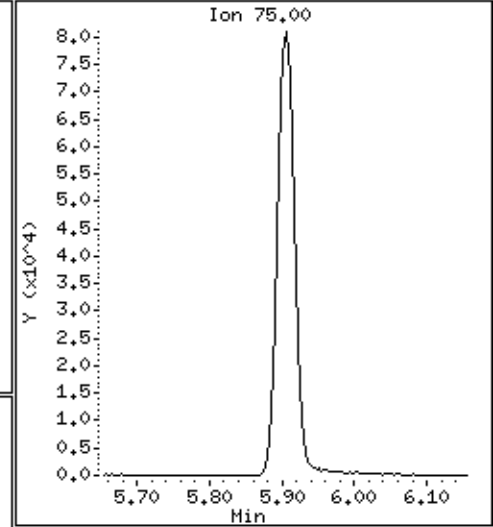
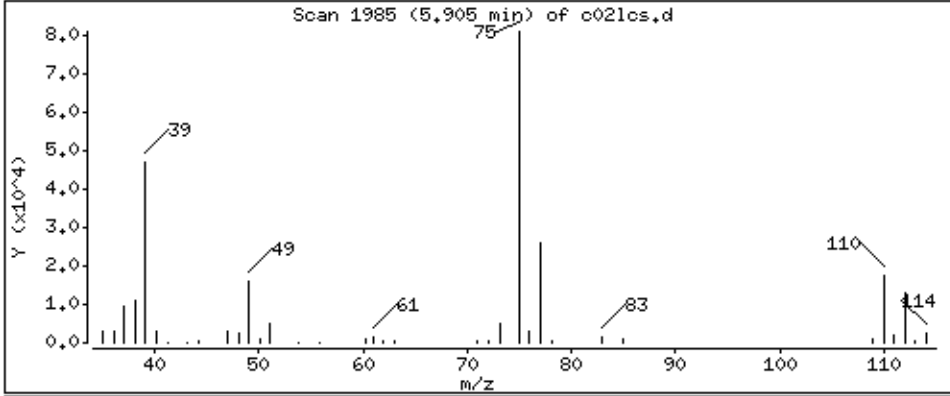
Operator: amv

Column phase: DB-624

Column diameter: 0,18

55 cis-1,3-Dichloropropene

Concentration: 41.4 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

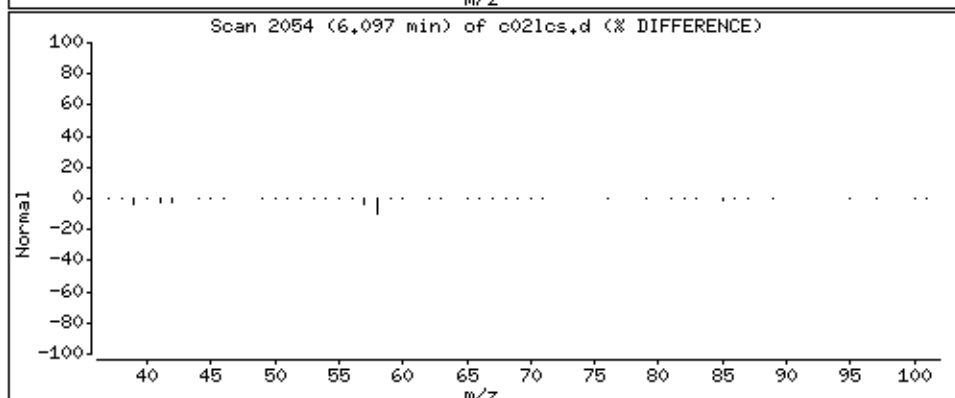
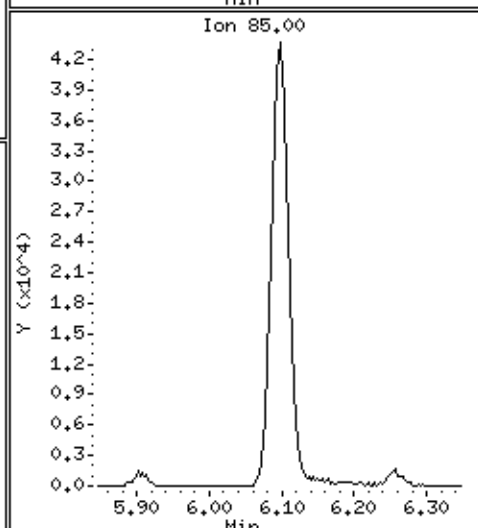
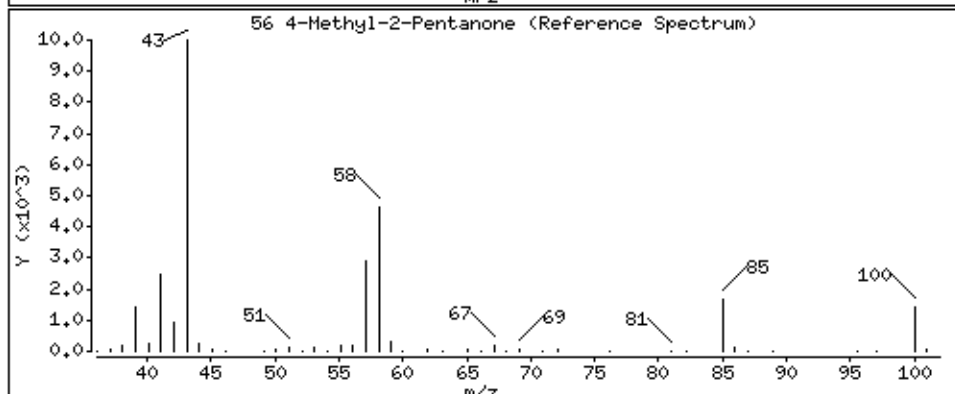
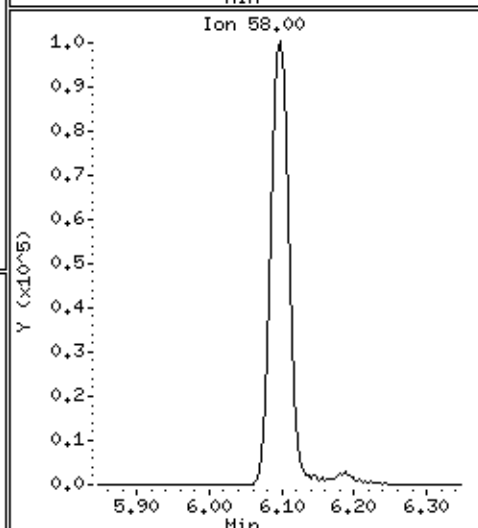
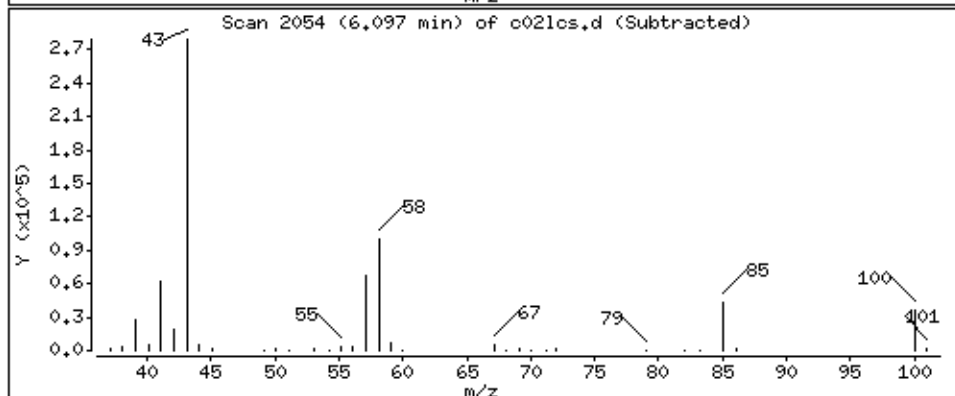
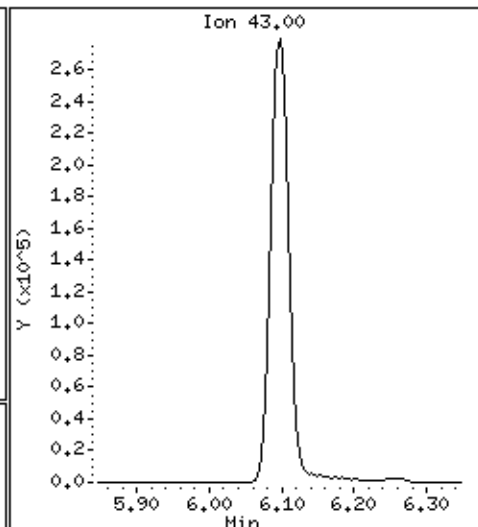
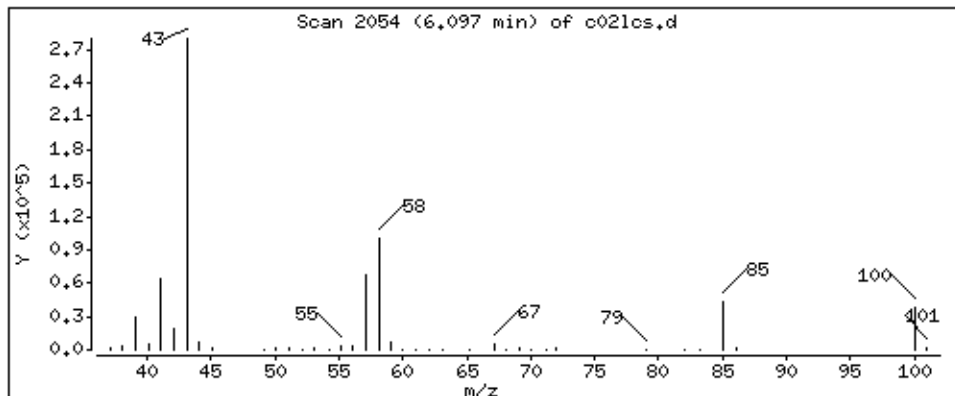
Operator: amv

Column phase: DB-624

Column diameter: 0,18

56 4-Methyl-2-Pentanone

Concentration: 201 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314;5

Purge Volume: 5.0

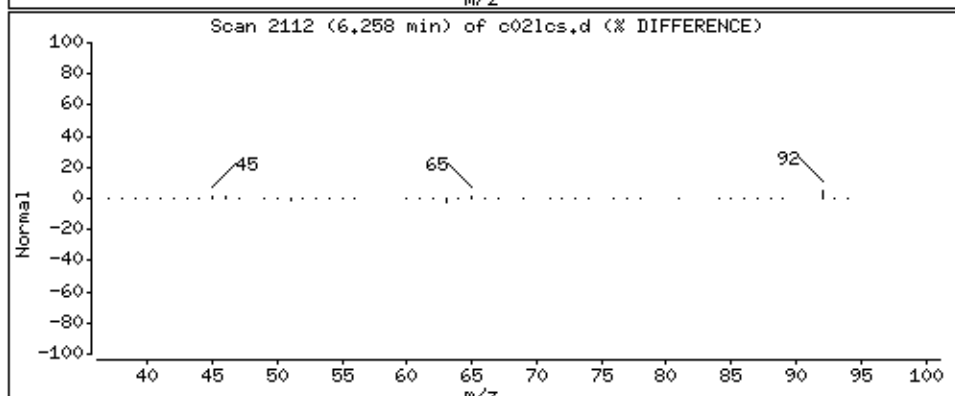
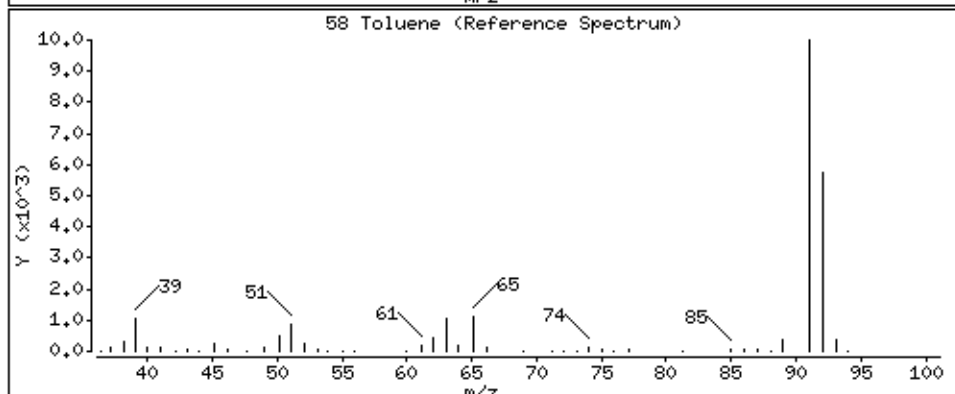
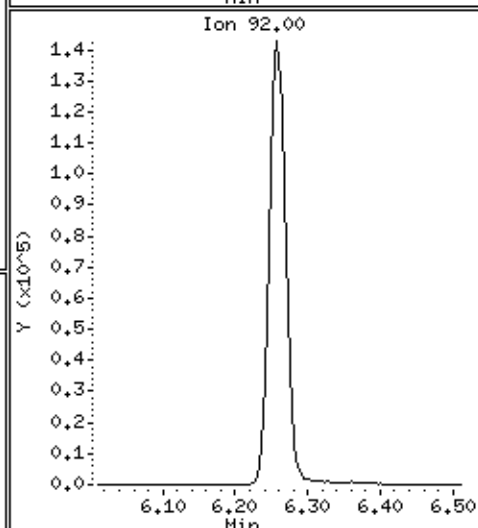
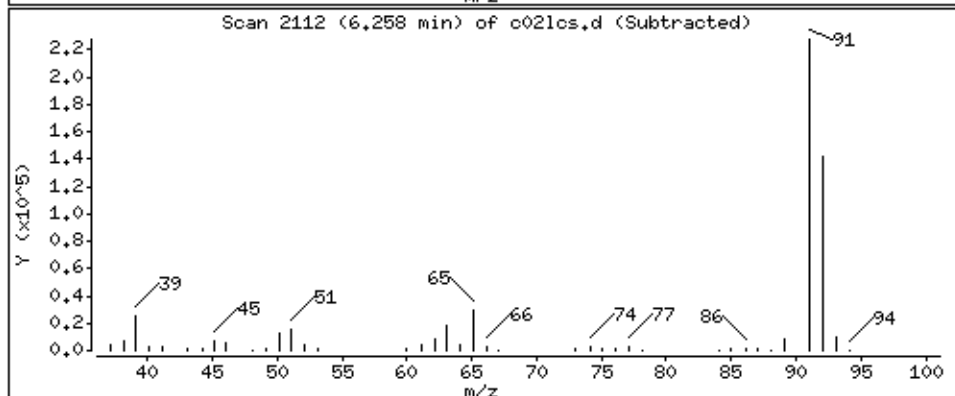
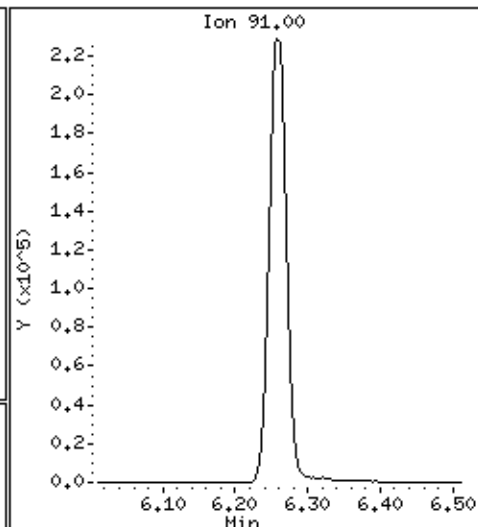
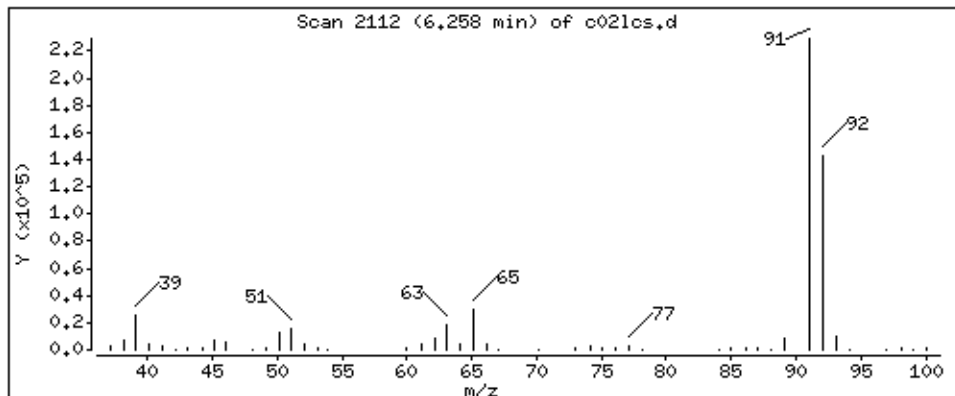
Operator: amv

Column phase: DB-624

Column diameter: 0.18

58 Toluene

Concentration: 41.6 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

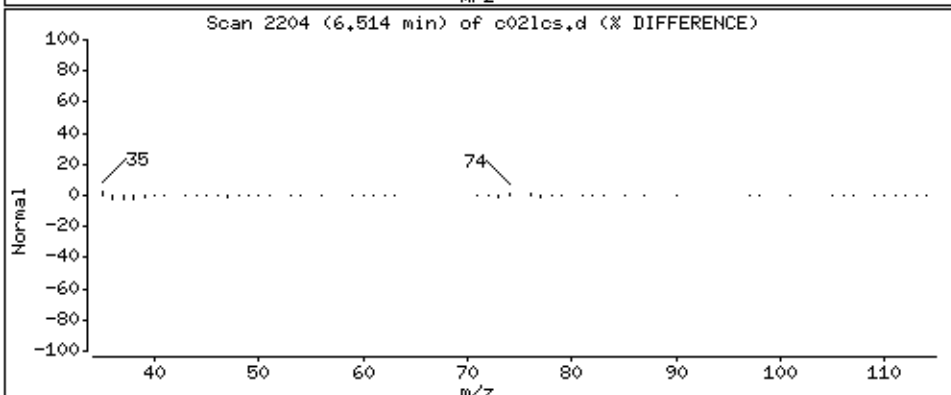
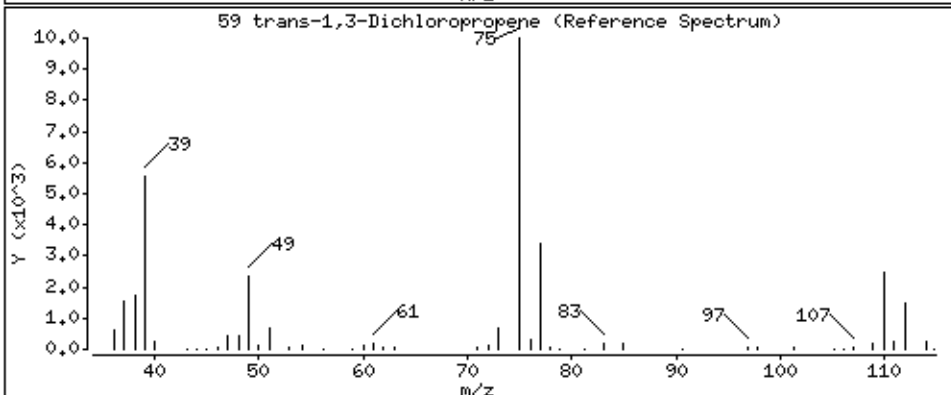
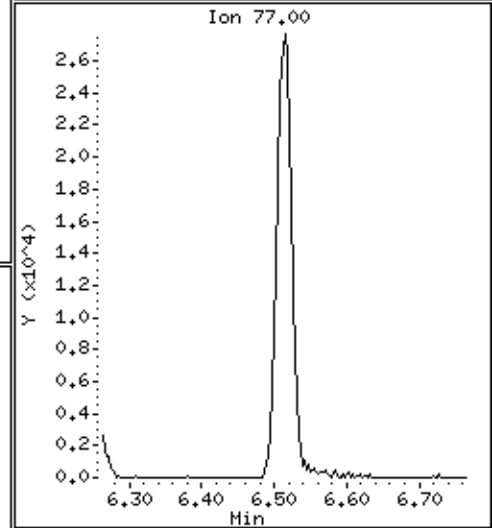
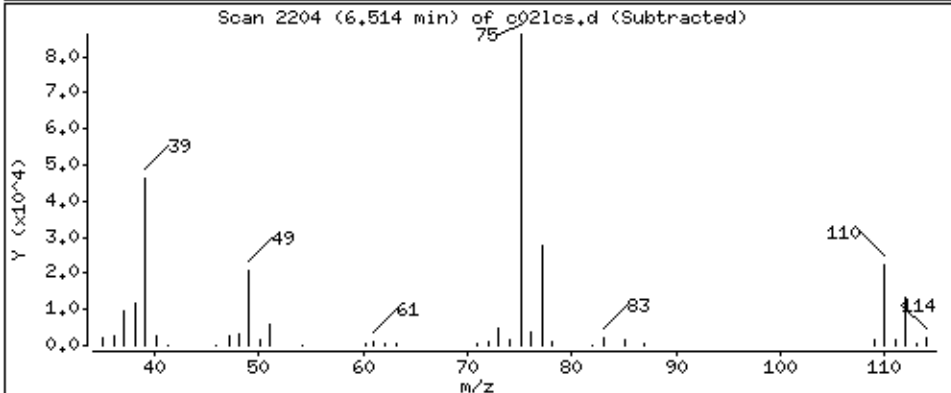
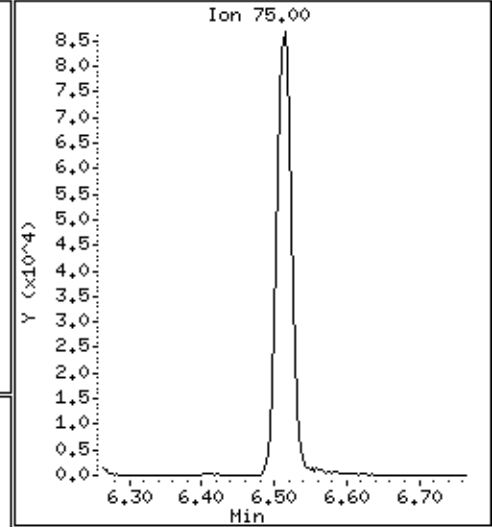
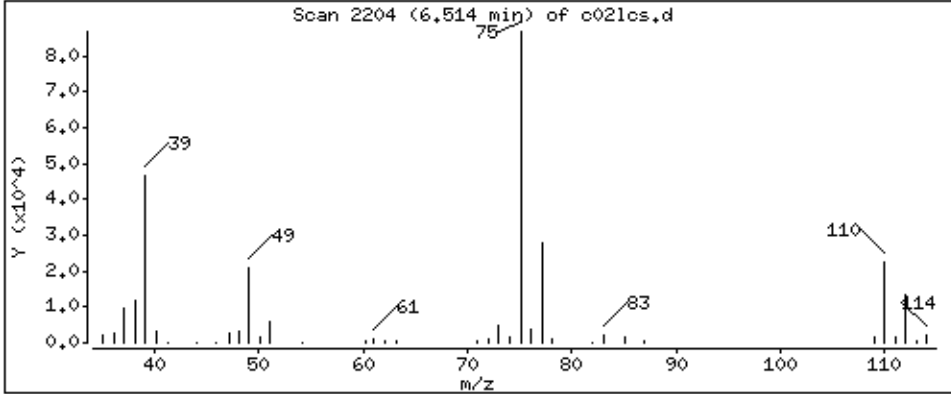
Operator: amv

Column phase: DB-624

Column diameter: 0,18

59 trans-1,3-Dichloropropene

Concentration: 41.0 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

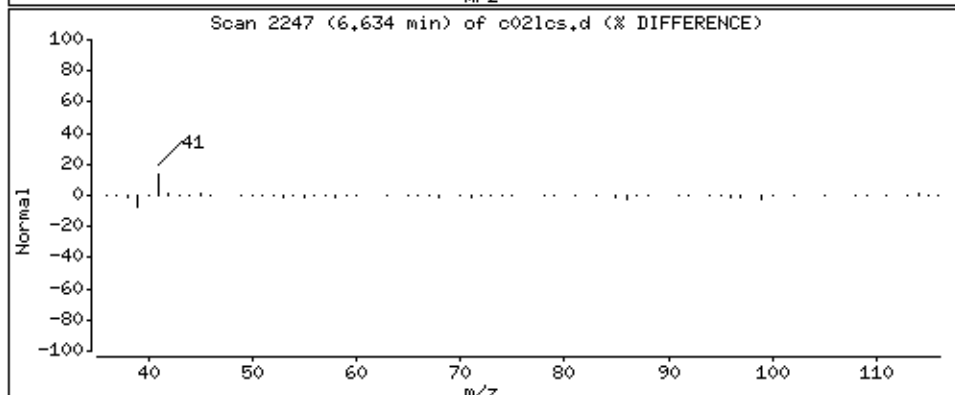
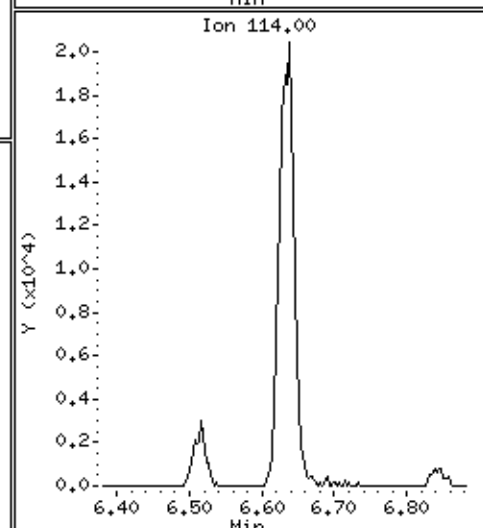
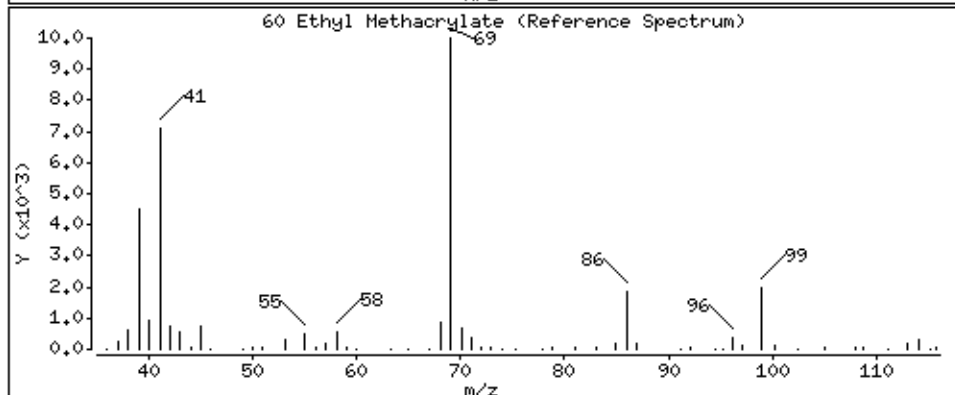
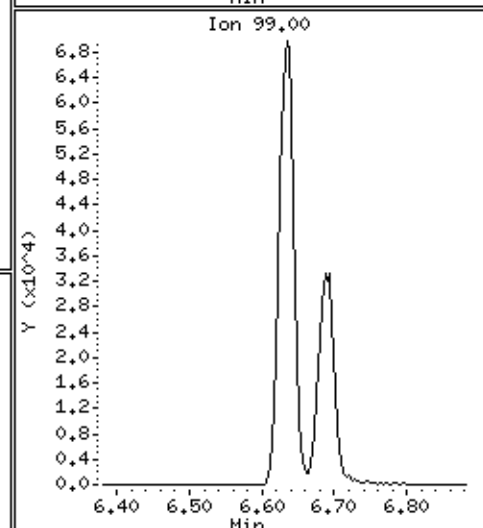
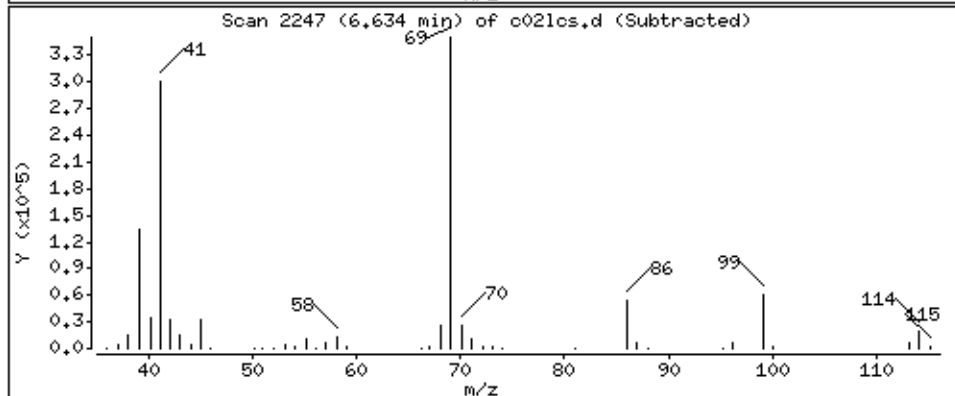
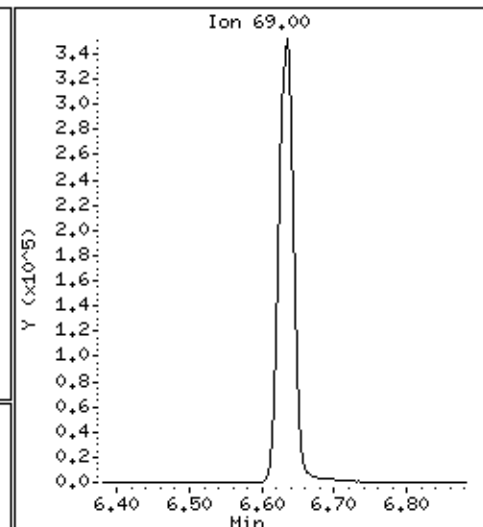
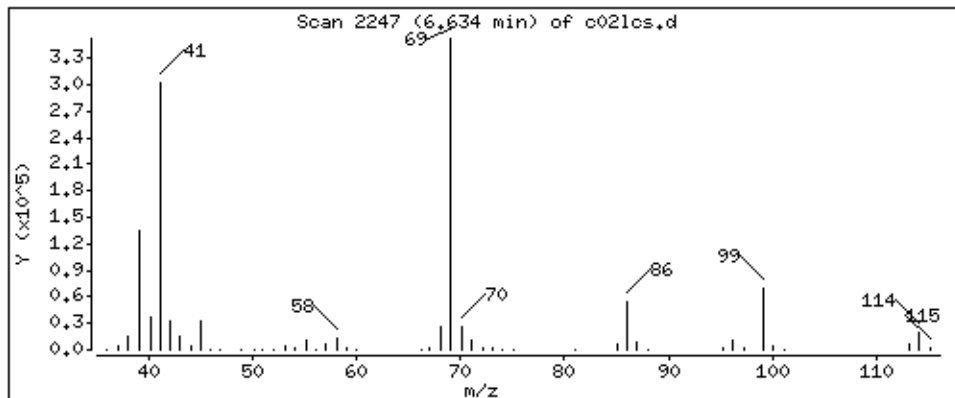
Operator: amv

Column phase: DB-624

Column diameter: 0,18

60 Ethyl Methacrylate

Concentration: 178 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

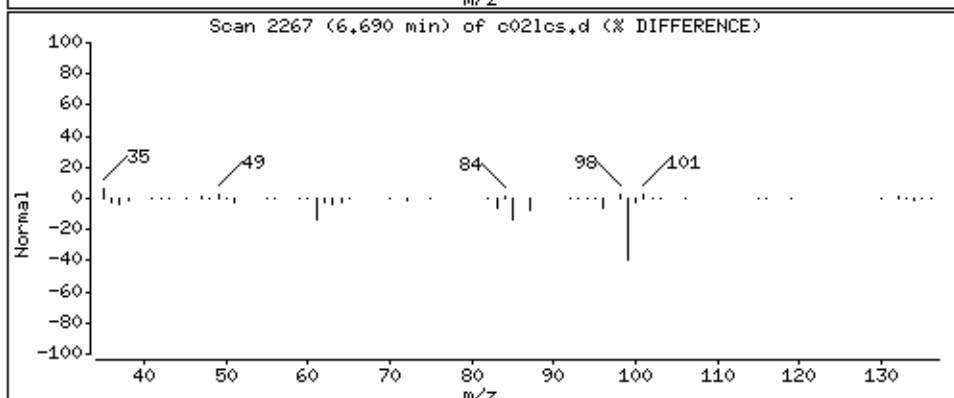
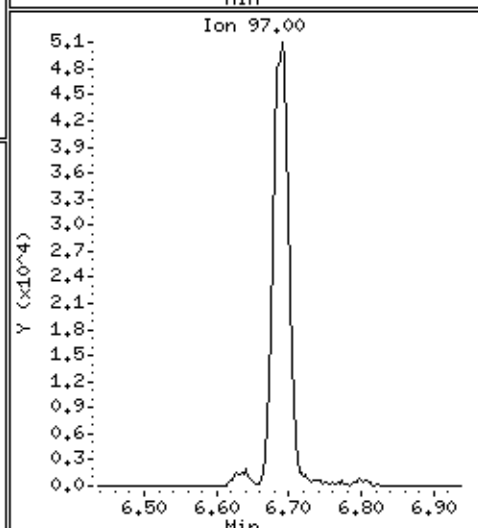
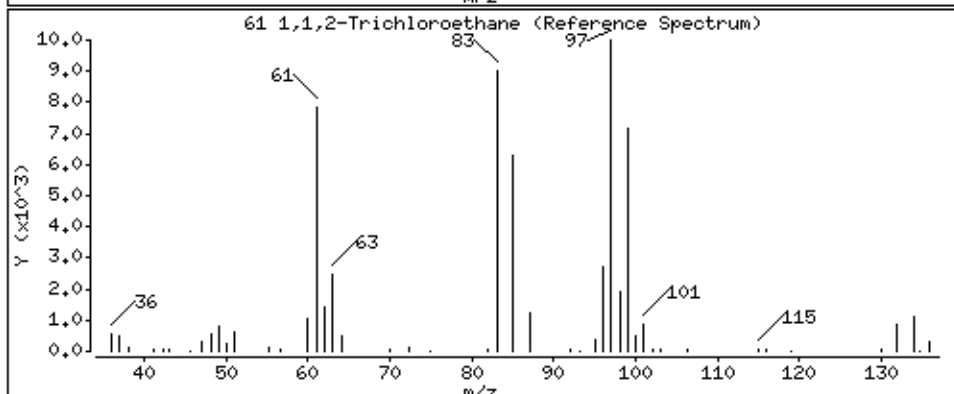
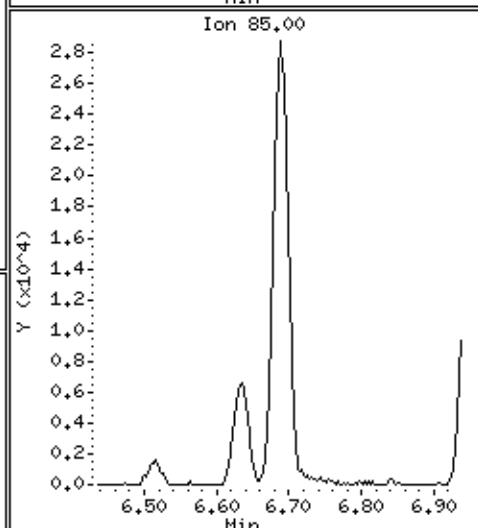
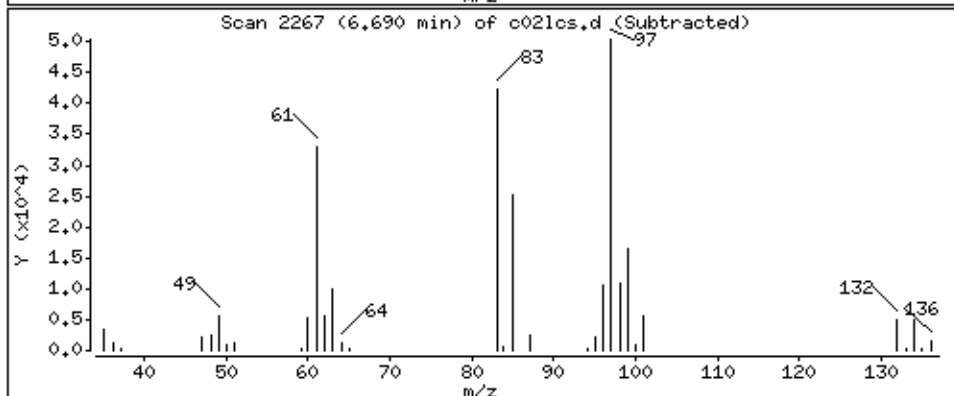
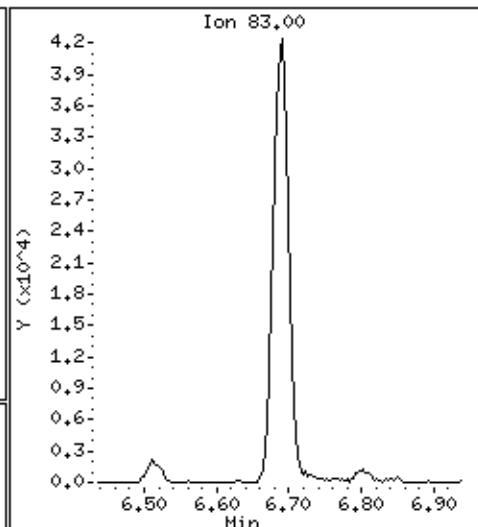
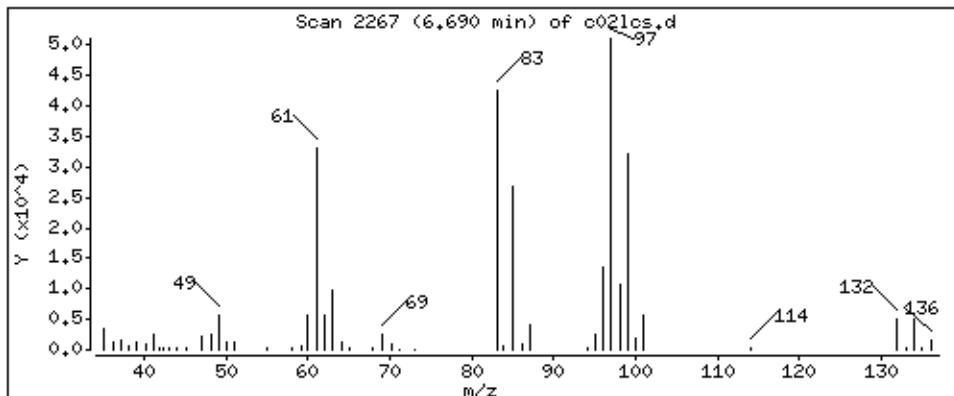
Operator: amv

Column phase: DB-624

Column diameter: 0,18

61 1,1,2-Trichloroethane

Concentration: 47.2 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

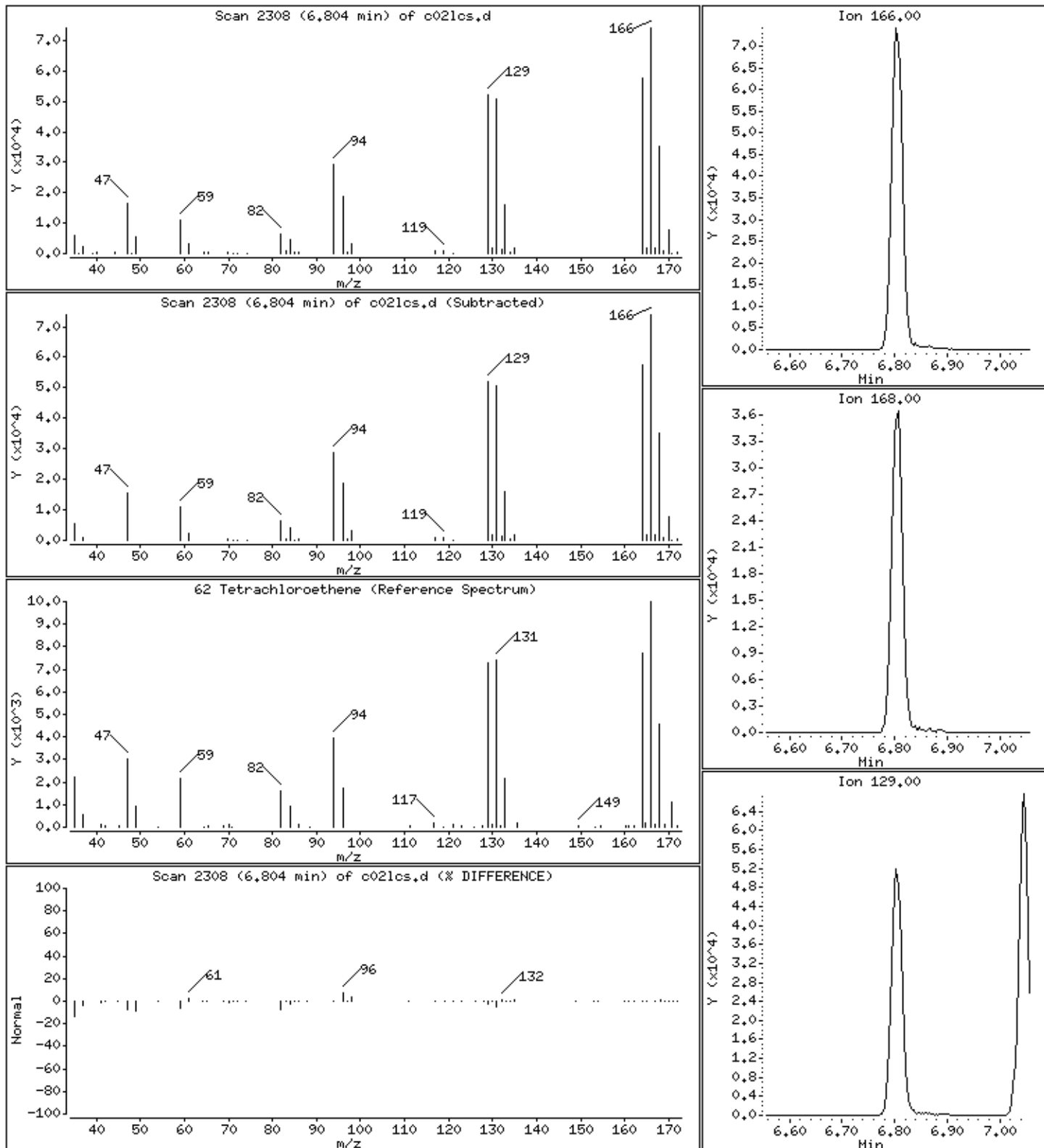
Operator: amv

Column phase: DB-624

Column diameter: 0,18

62 Tetrachloroethene

Concentration: 44,1 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

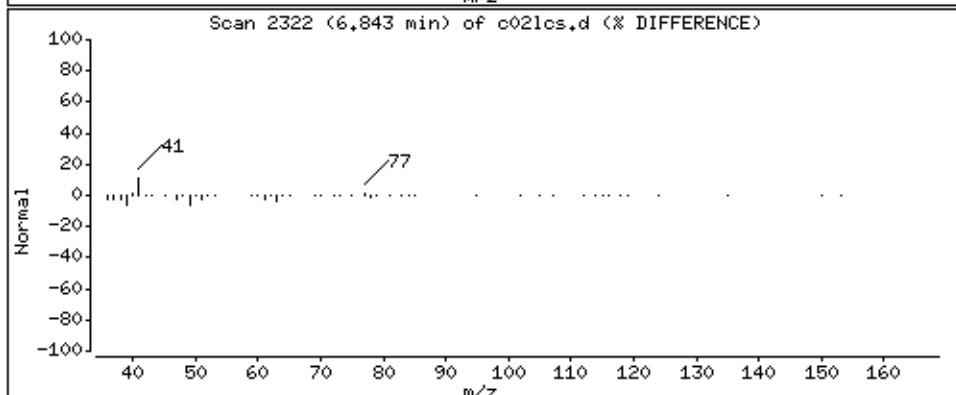
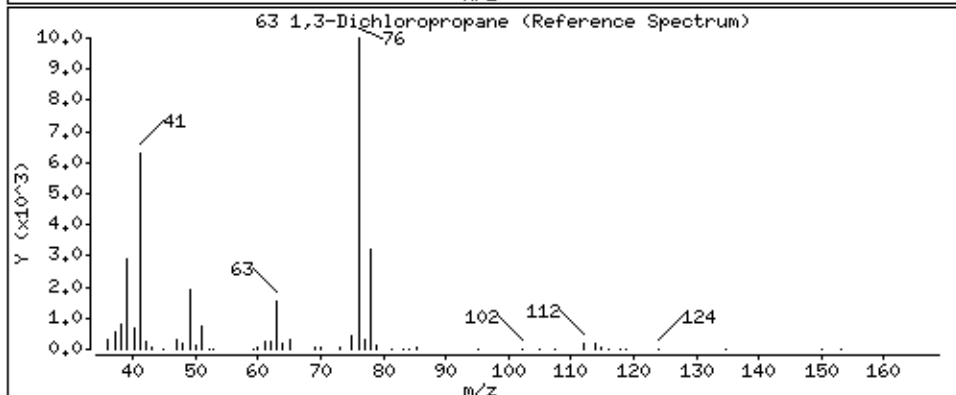
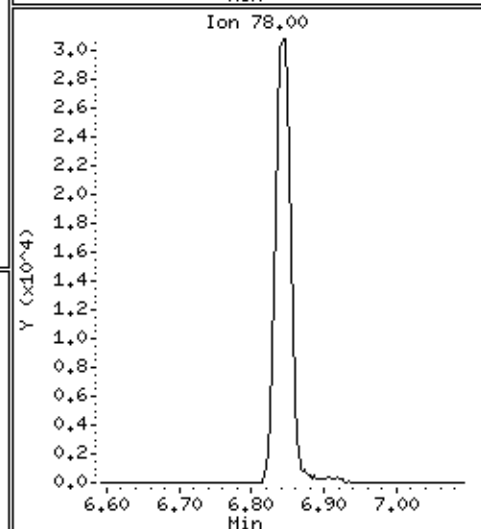
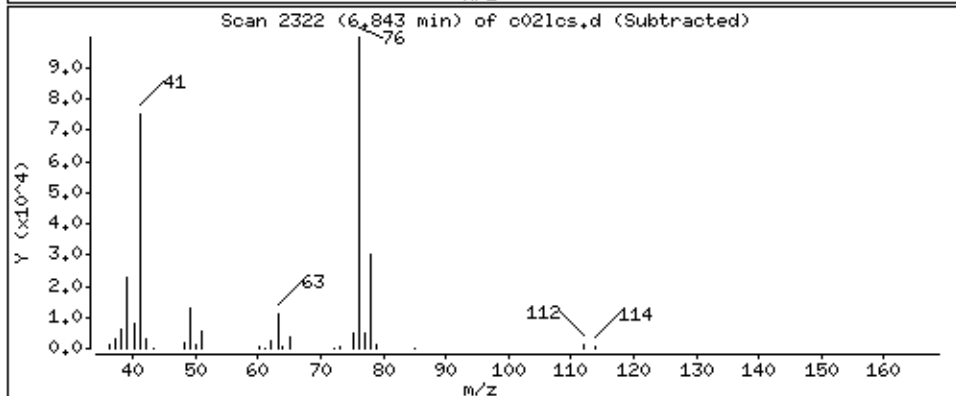
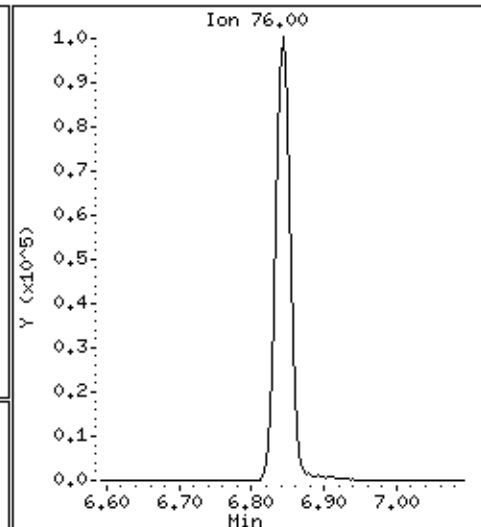
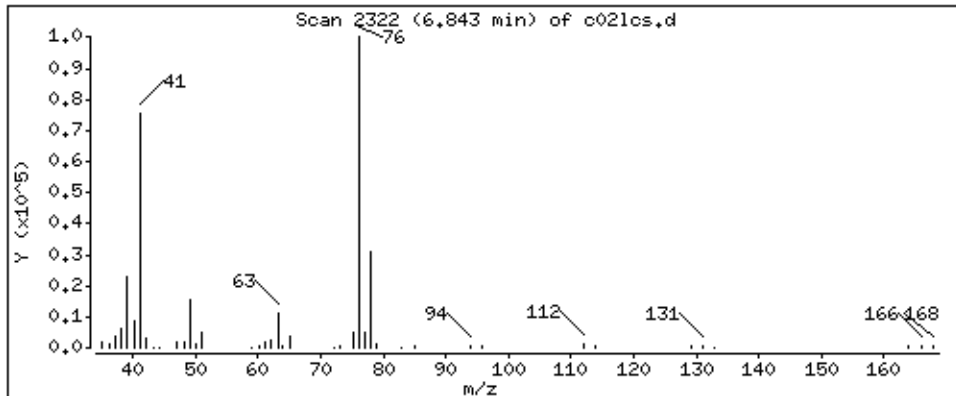
Operator: amv

Column phase: DB-624

Column diameter: 0,18

63 1,3-Dichloropropane

Concentration: 46,8 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

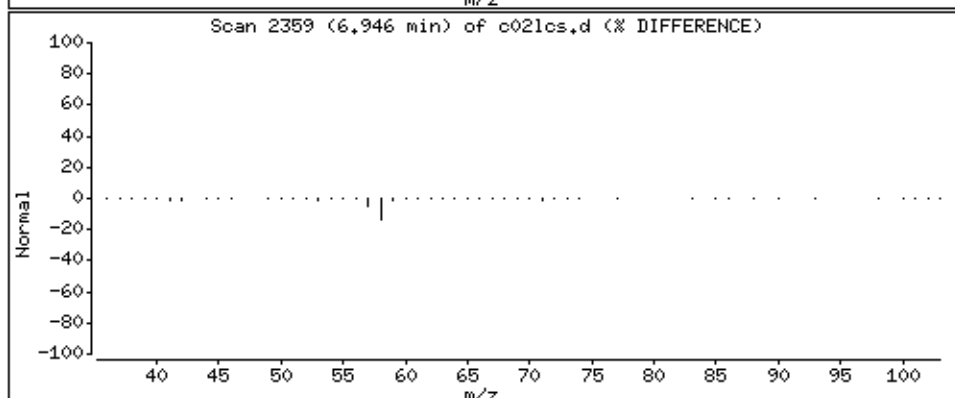
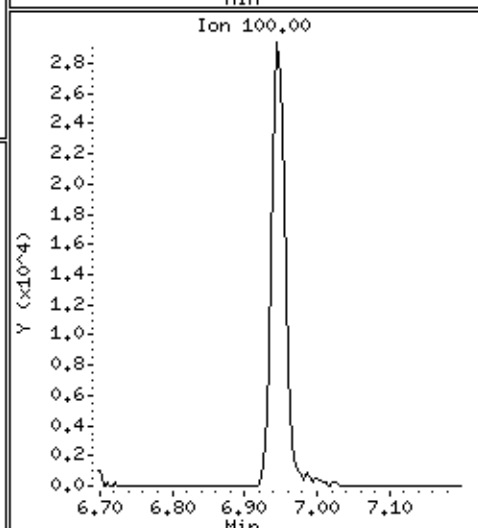
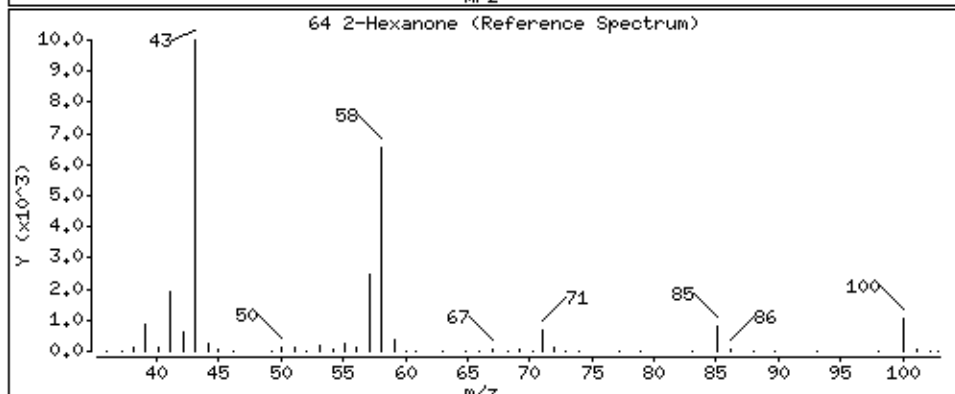
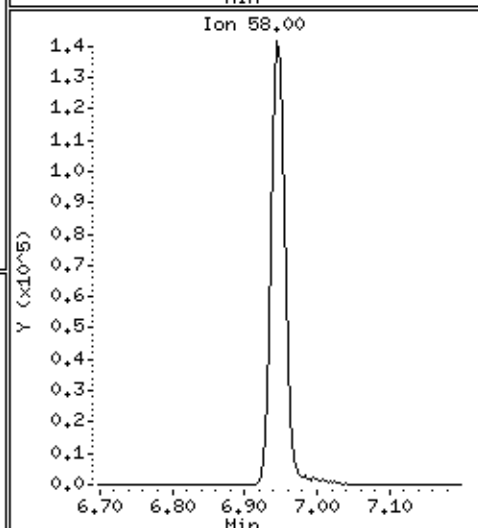
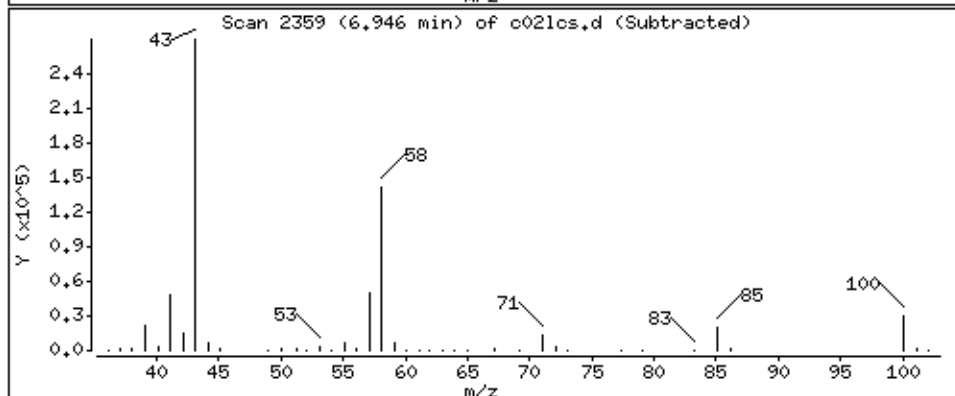
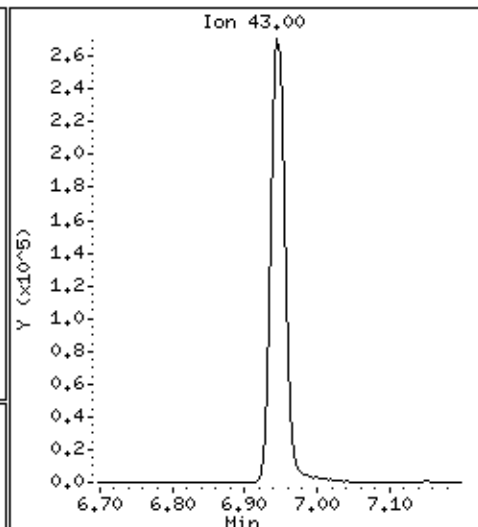
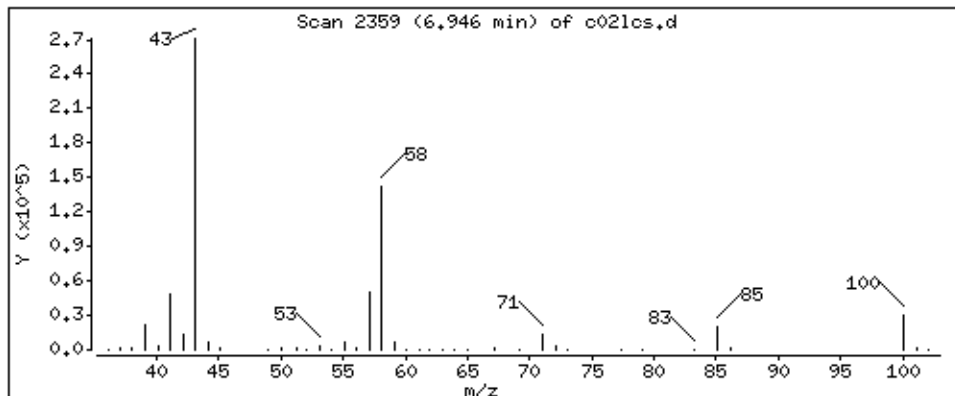
Operator: amv

Column phase: DB-624

Column diameter: 0,18

64 2-Hexanone

Concentration: 209 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

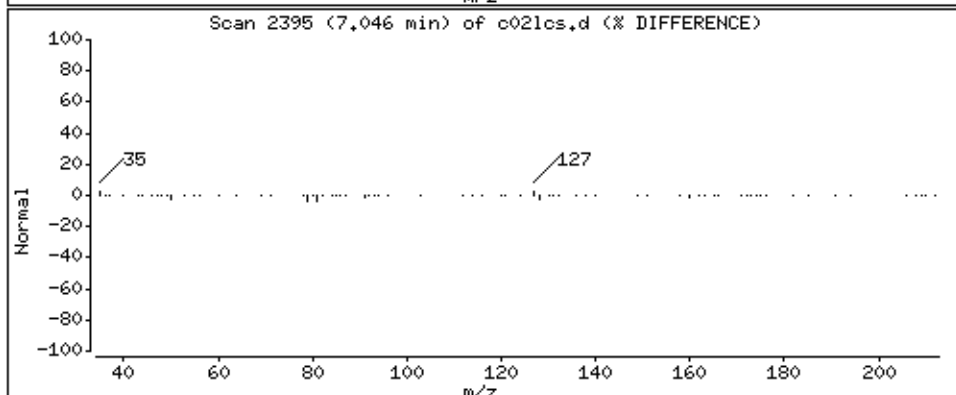
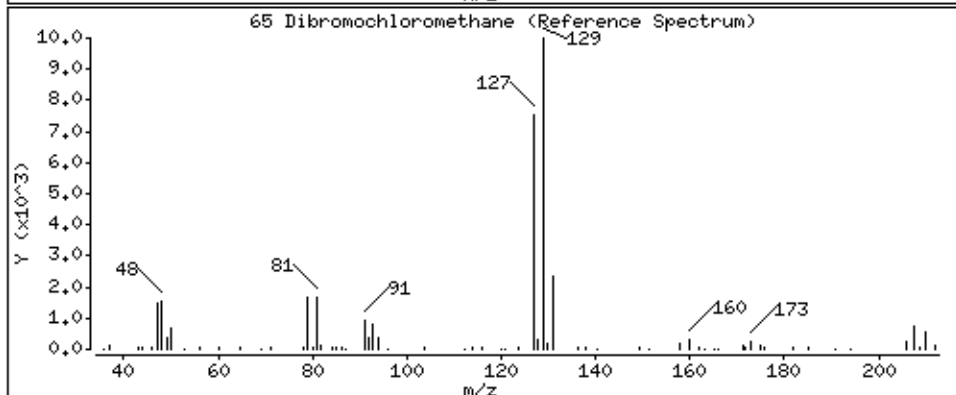
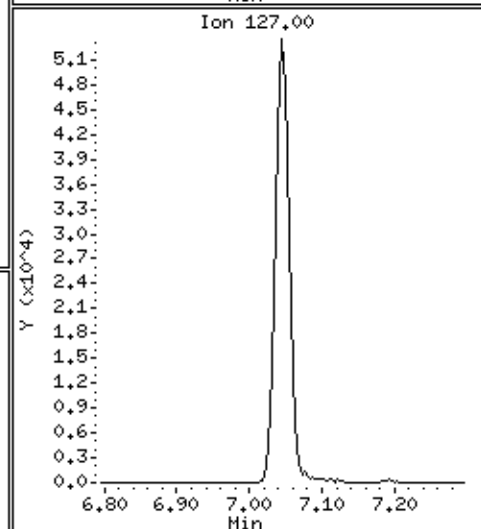
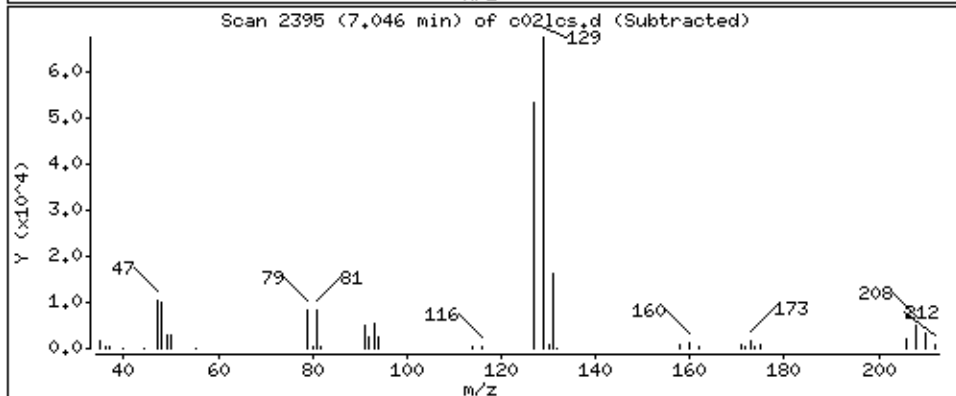
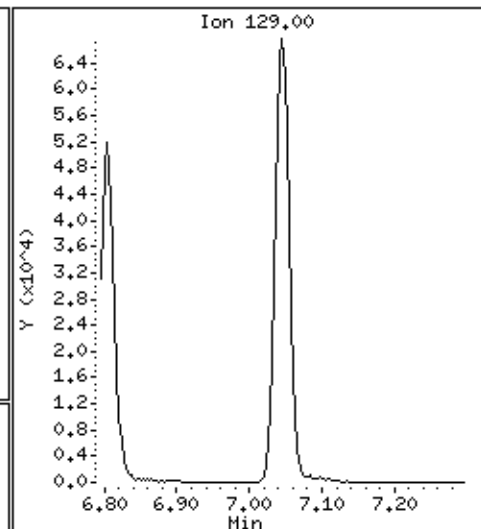
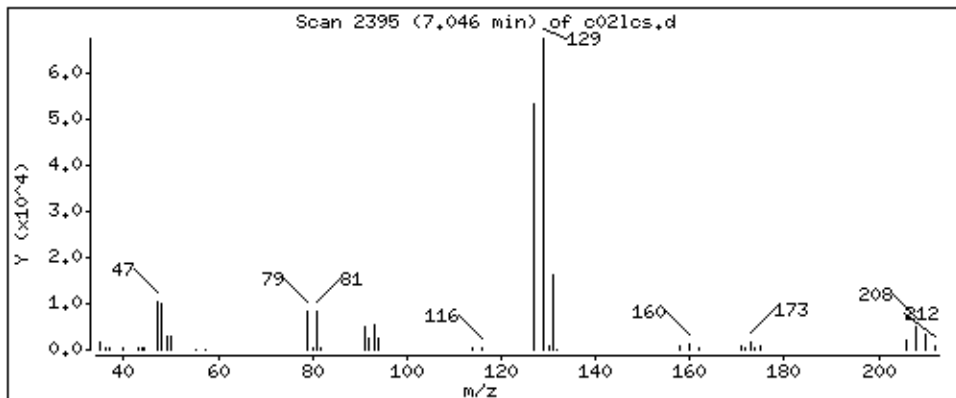
Operator: amv

Column phase: DB-624

Column diameter: 0,18

65 Dibromochloromethane

Concentration: 46,0 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mw2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

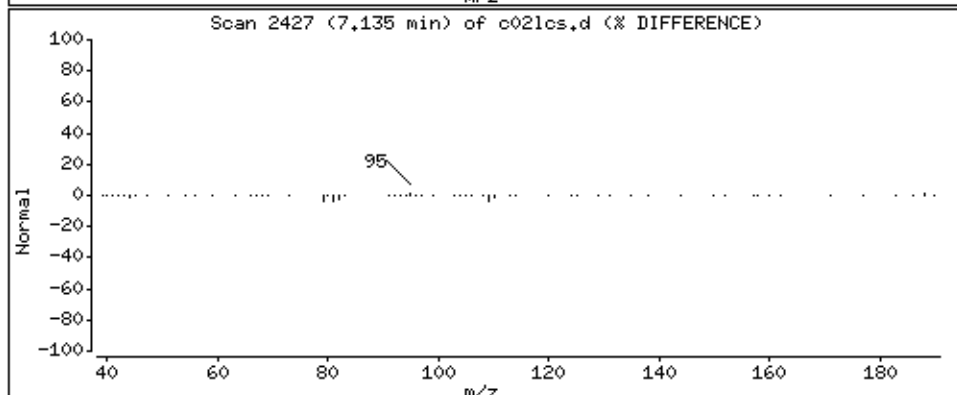
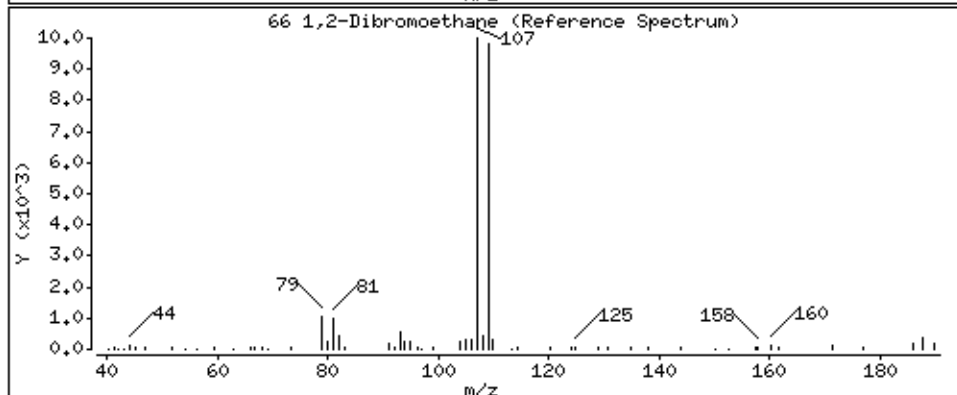
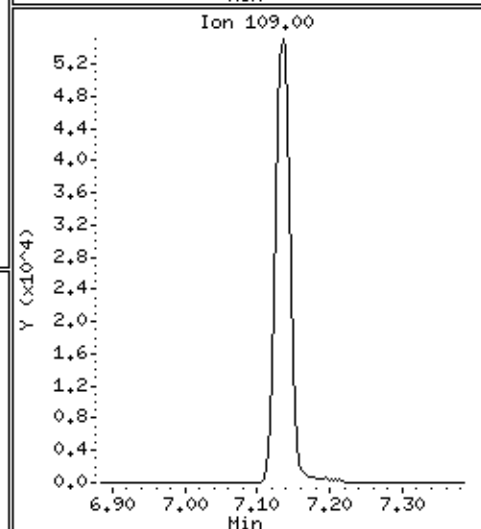
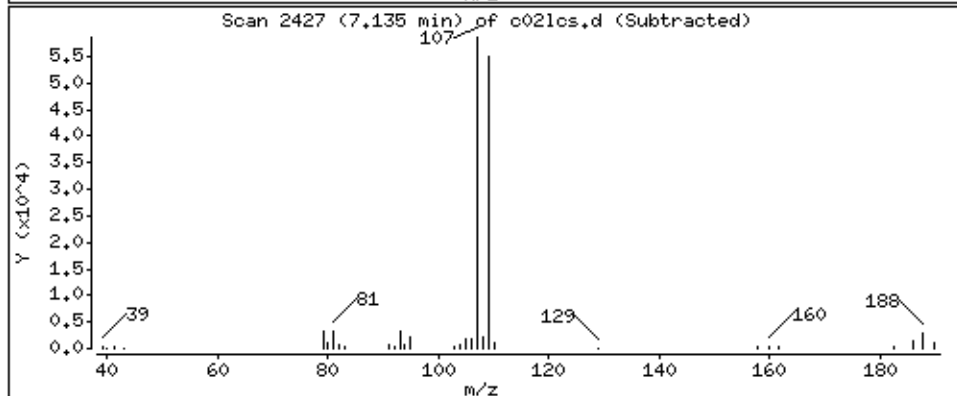
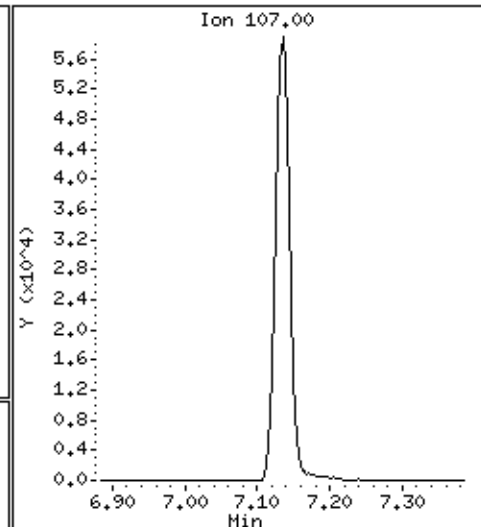
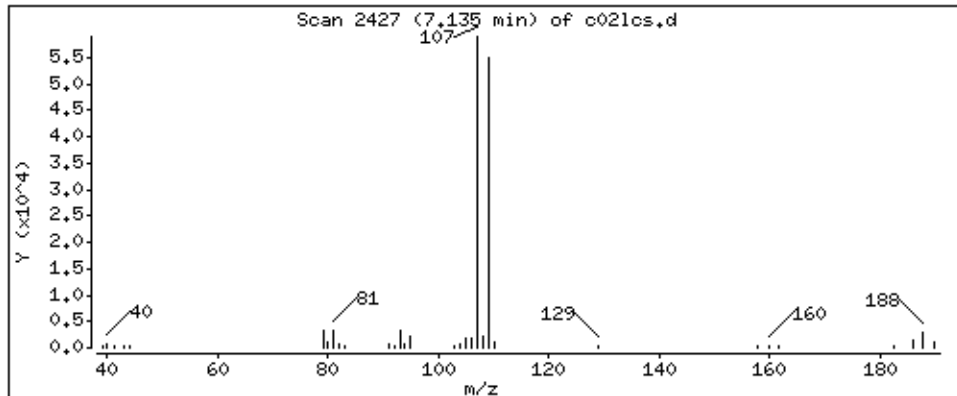
Operator: amv

Column phase: DB-624

Column diameter: 0,18

66 1,2-Dibromoethane

Concentration: 47.7 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

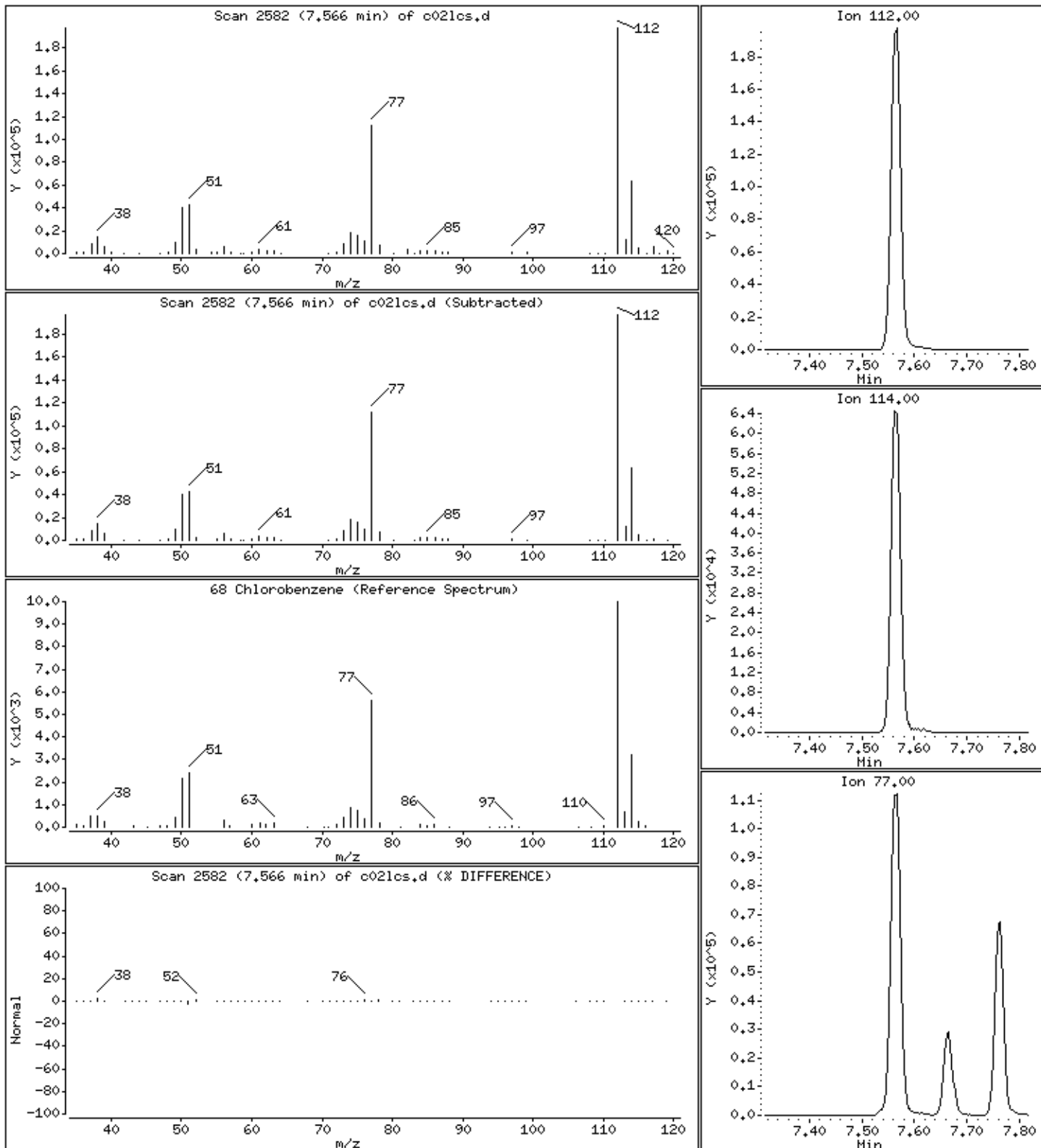
Operator: amv

Column phase: DB-624

Column diameter: 0.18

68 Chlorobenzene

Concentration: 46.9 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

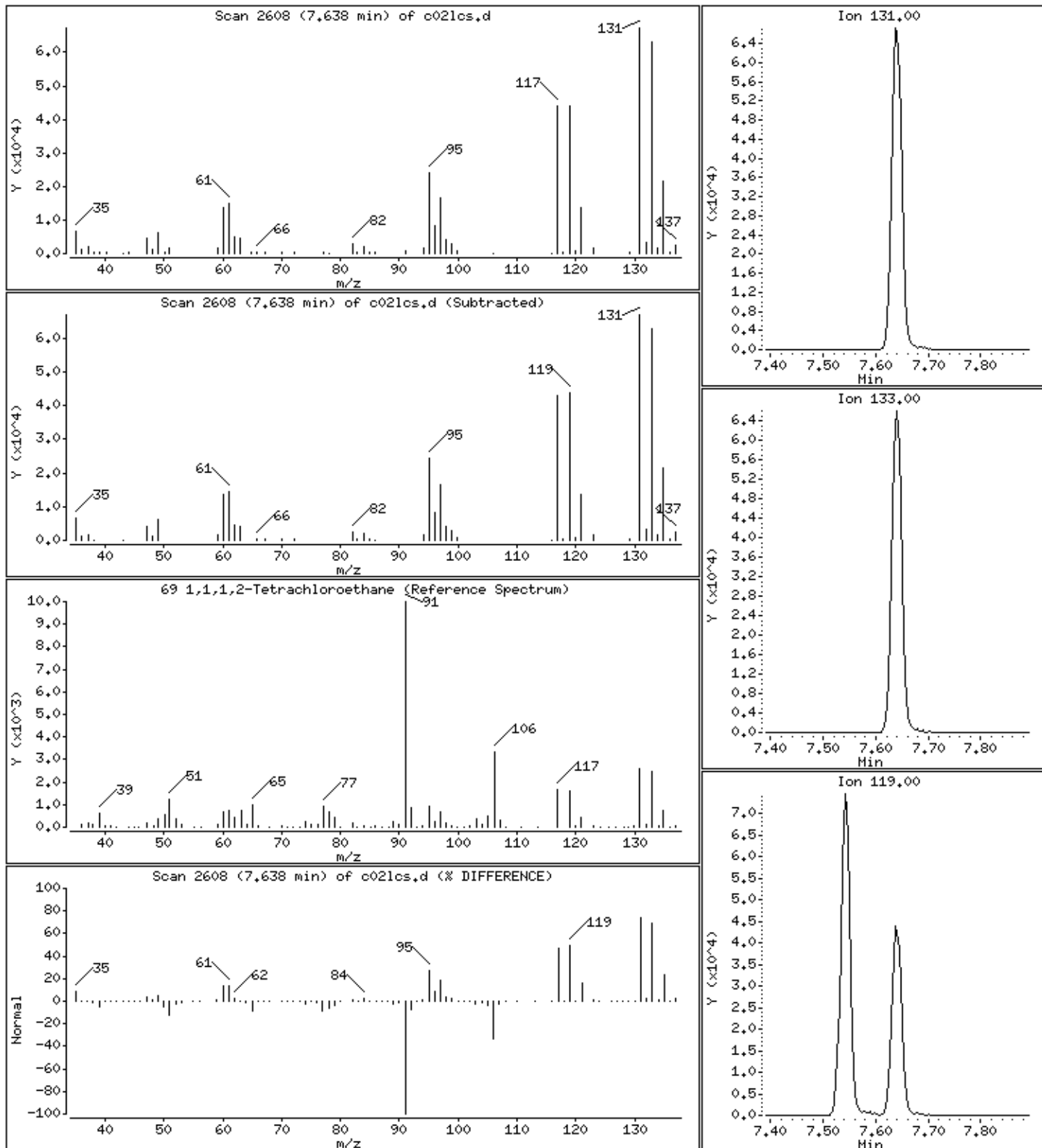
Operator: amv

Column phase: DB-624

Column diameter: 0,18

69 1,1,1,2-Tetrachloroethane

Concentration: 43,7 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mw2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

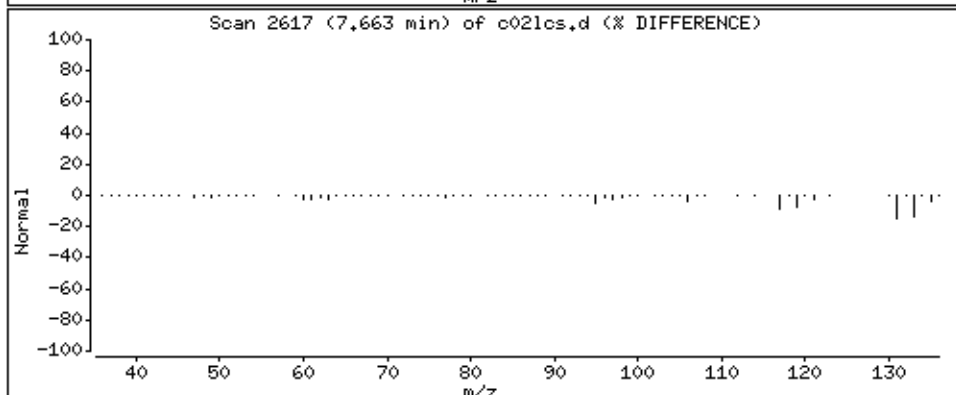
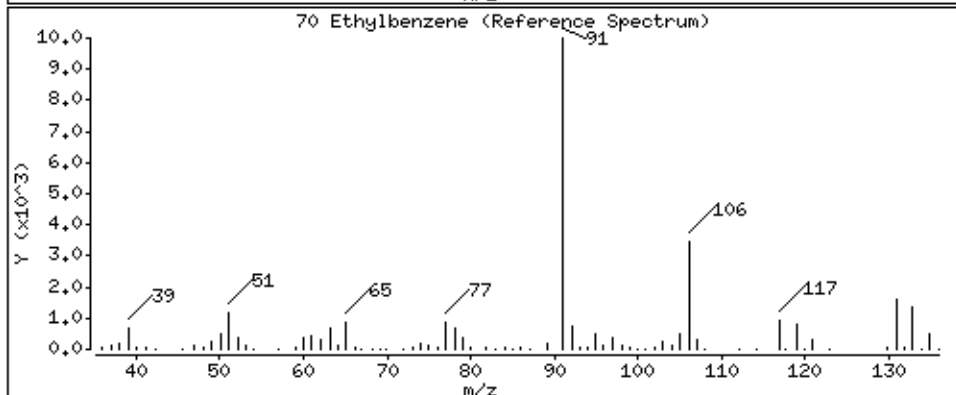
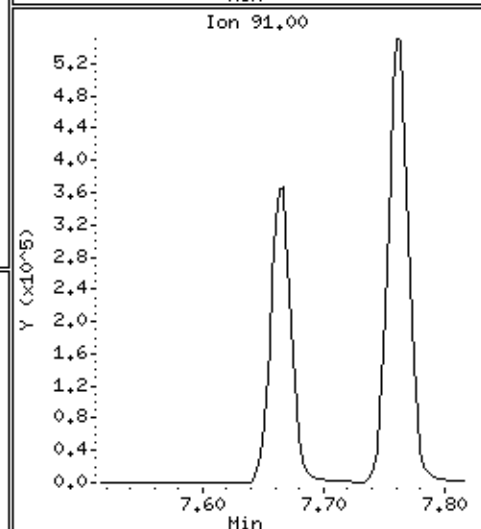
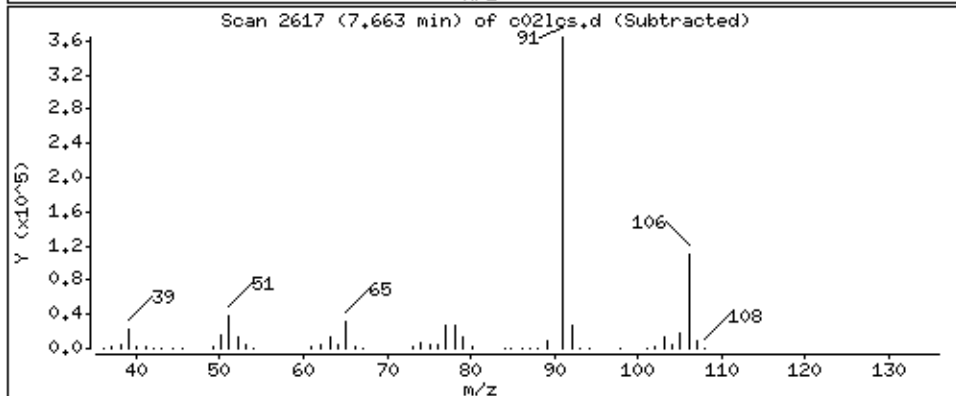
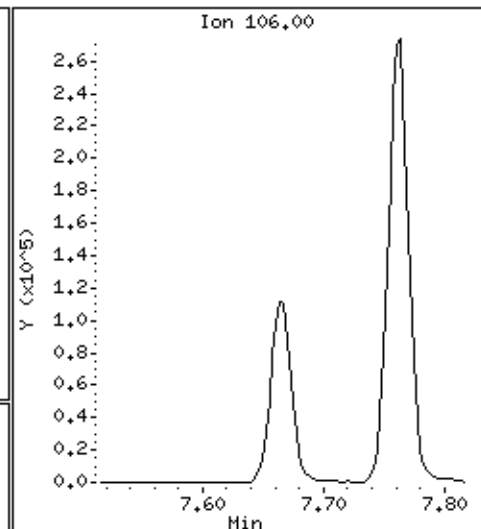
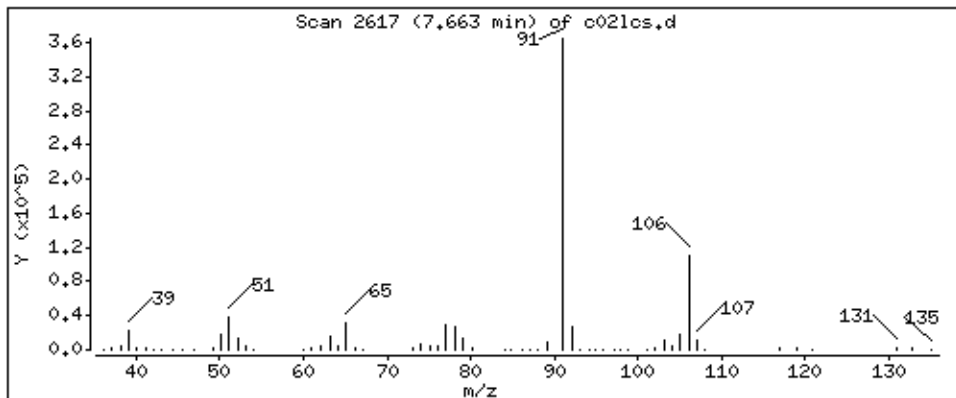
Operator: amv

Column phase: DB-624

Column diameter: 0,18

70 Ethylbenzene

Concentration: 45,8 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mw2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

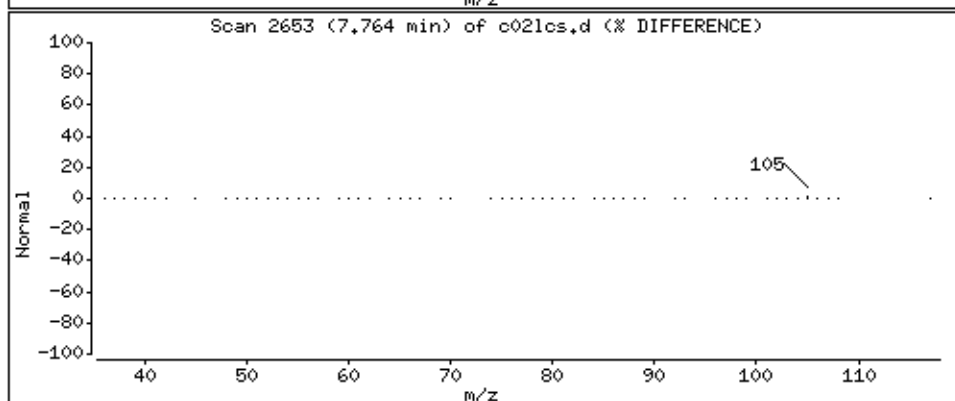
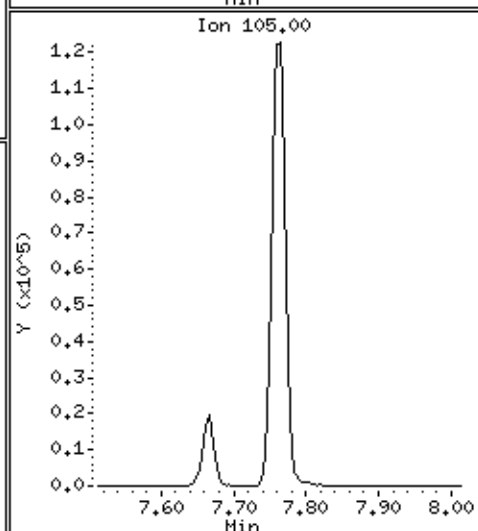
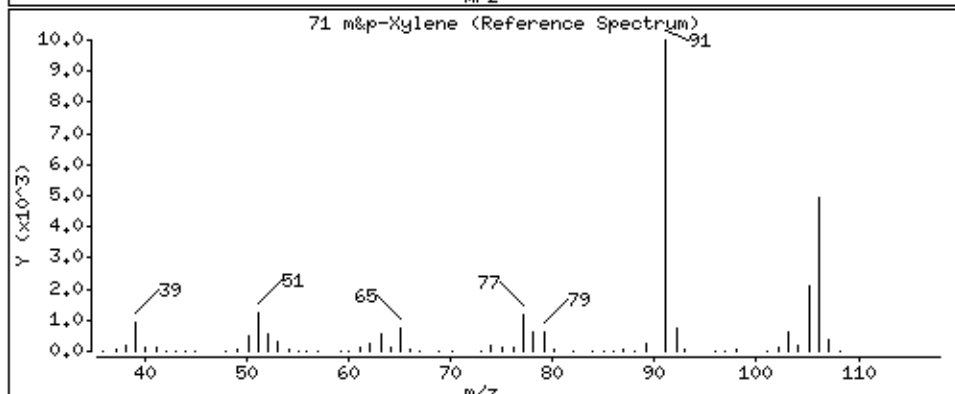
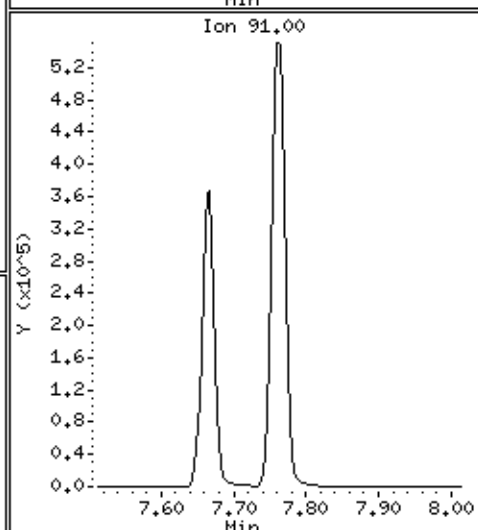
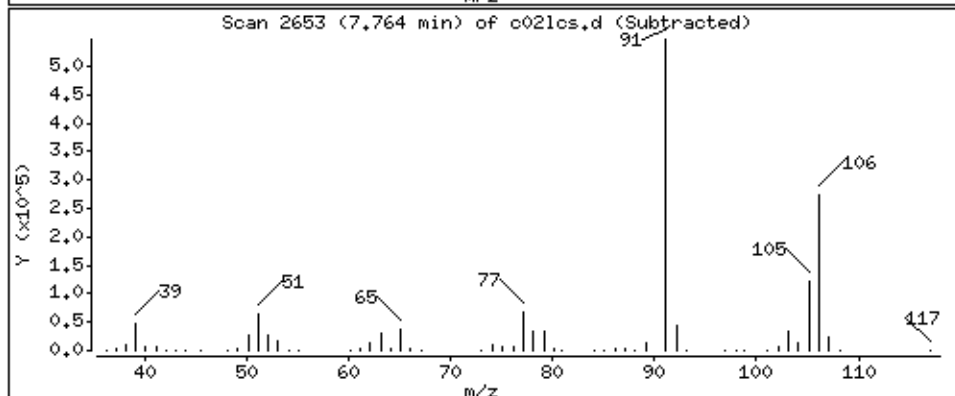
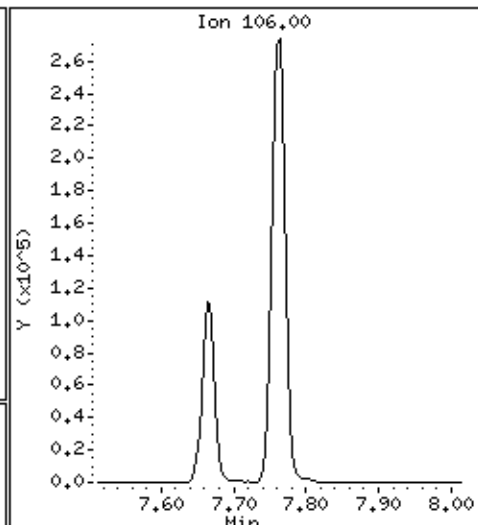
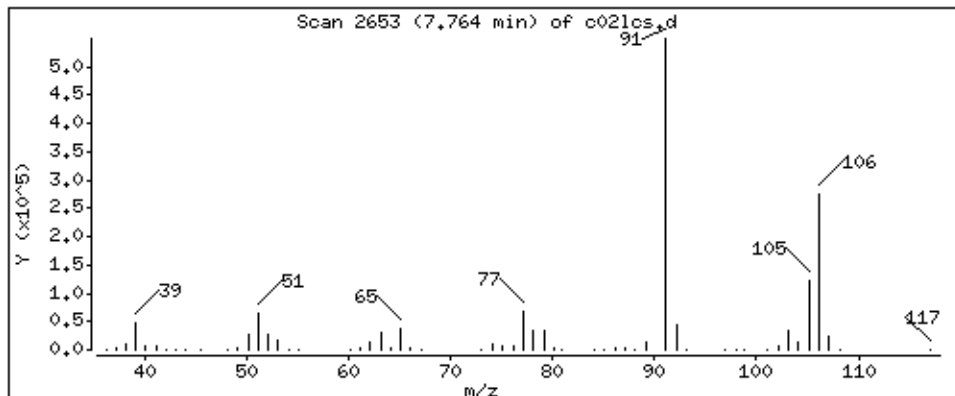
Operator: amv

Column phase: DB-624

Column diameter: 0,18

71 m&p-Xylene

Concentration: 90,2 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mw2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

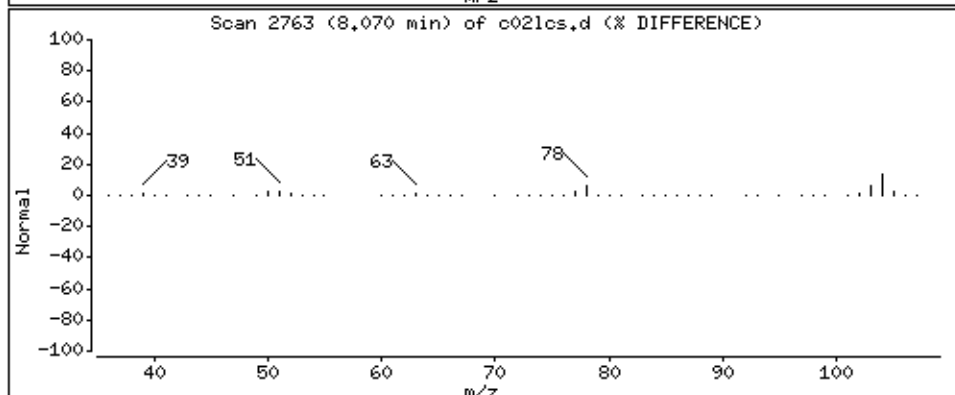
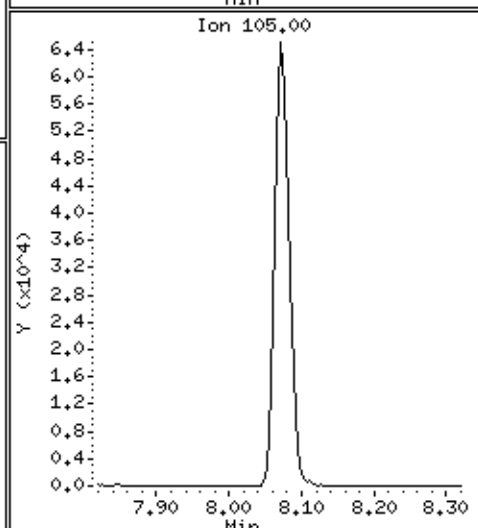
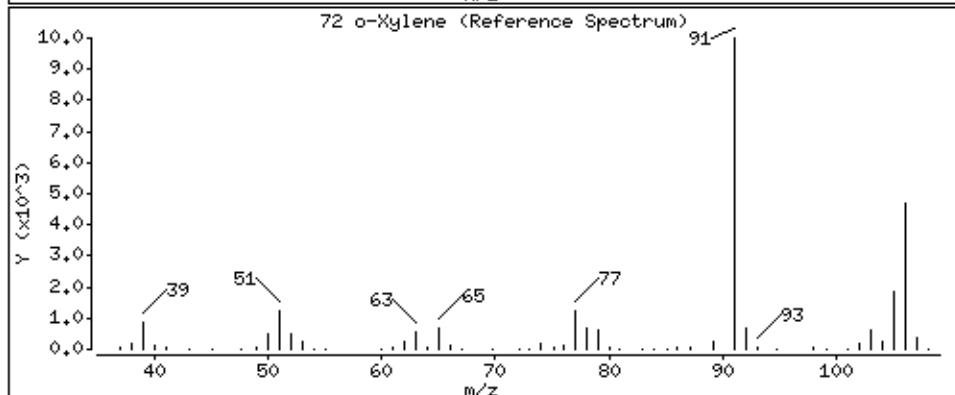
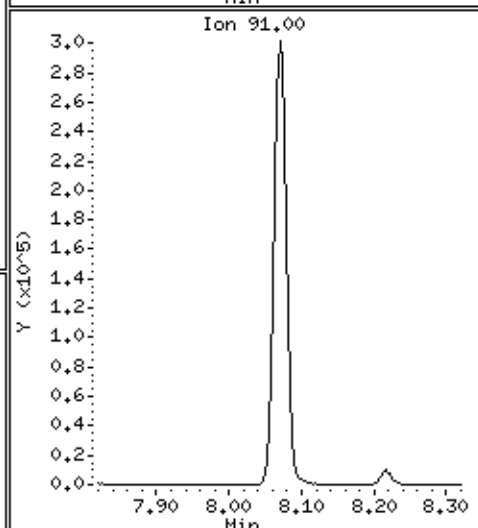
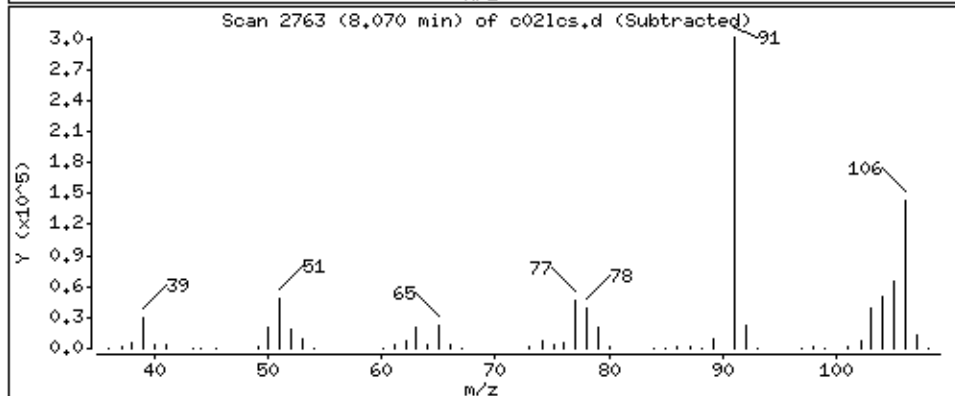
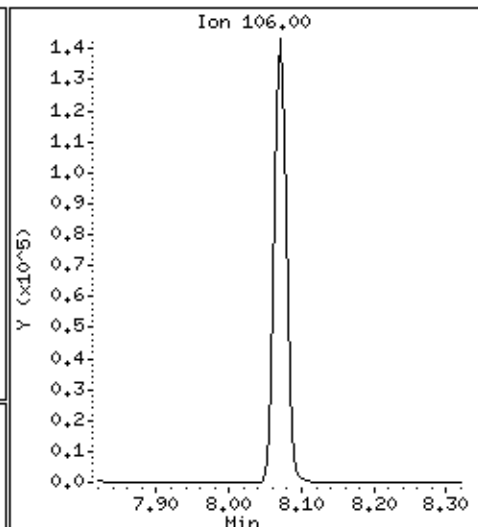
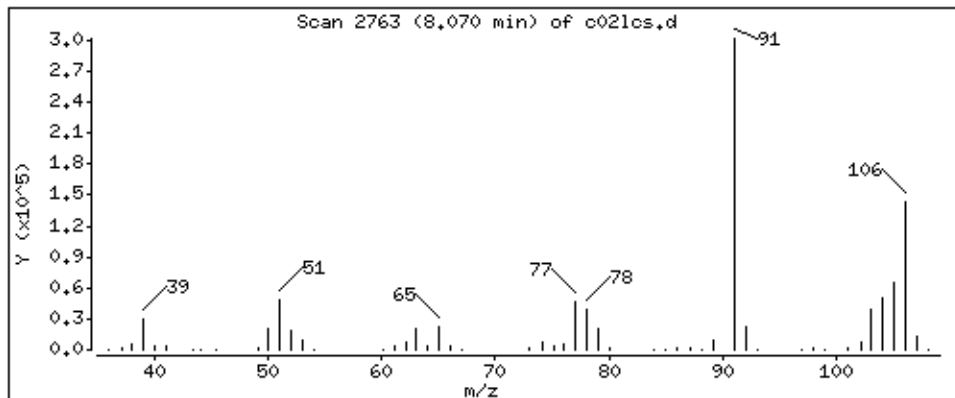
Operator: amv

Column phase: DB-624

Column diameter: 0,18

72 o-Xylene

Concentration: 47.2 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314;5

Purge Volume: 5.0

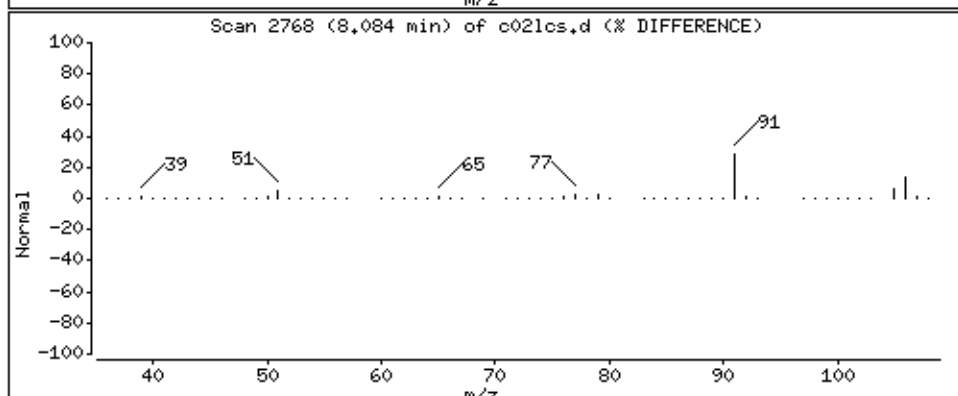
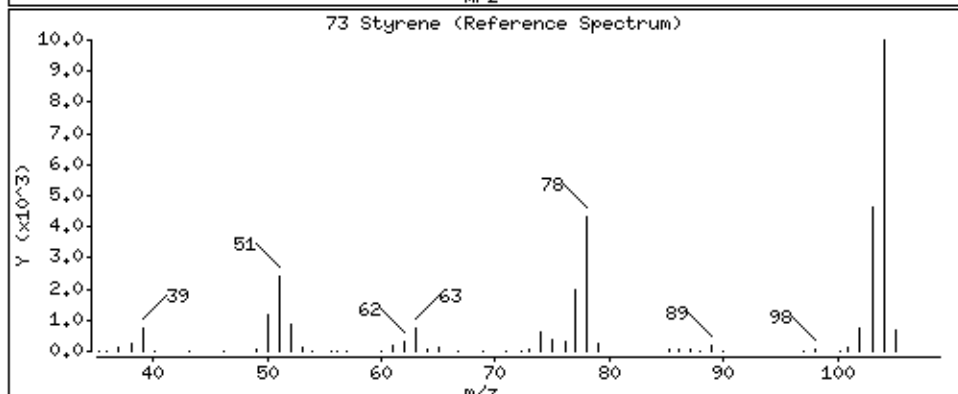
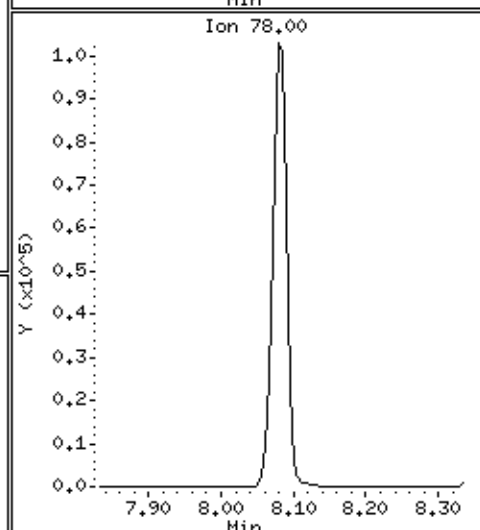
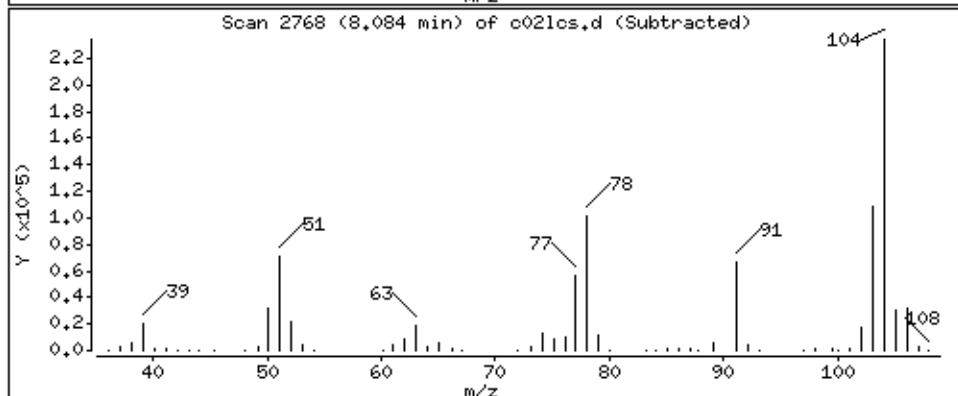
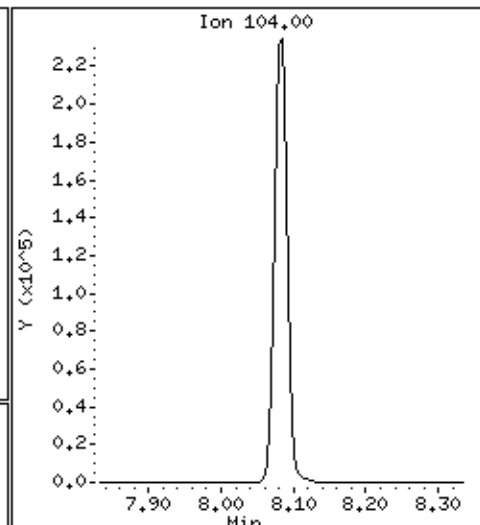
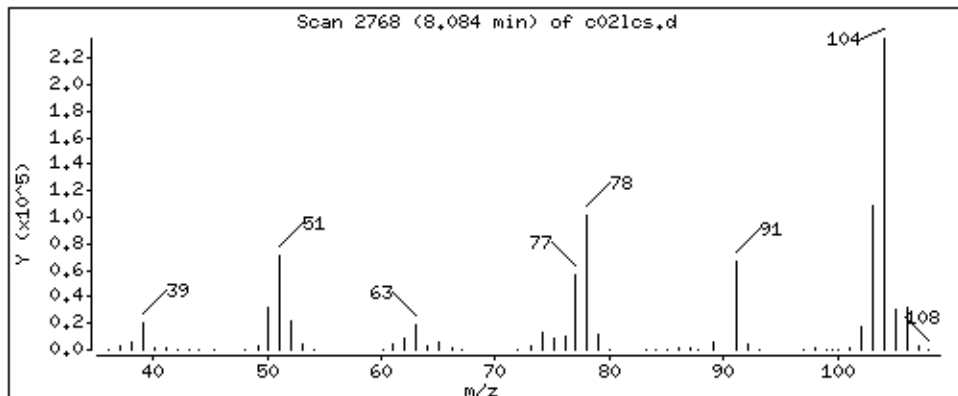
Operator: amv

Column phase: DB-624

Column diameter: 0,18

73 Styrene

Concentration: 47.0 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

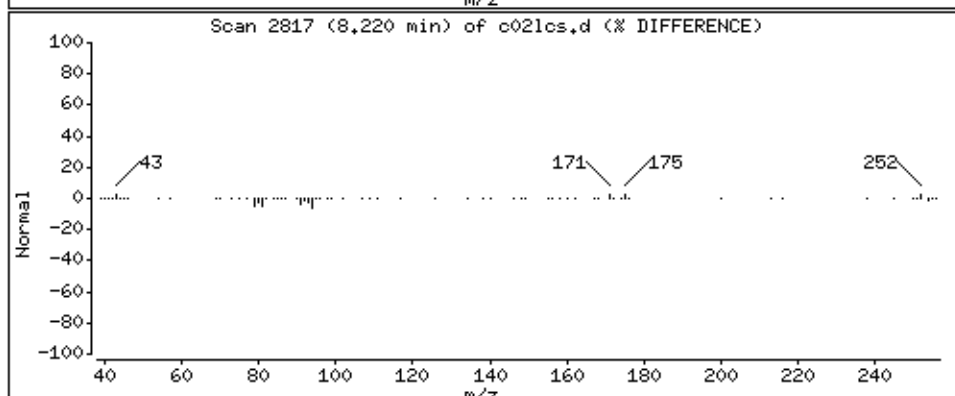
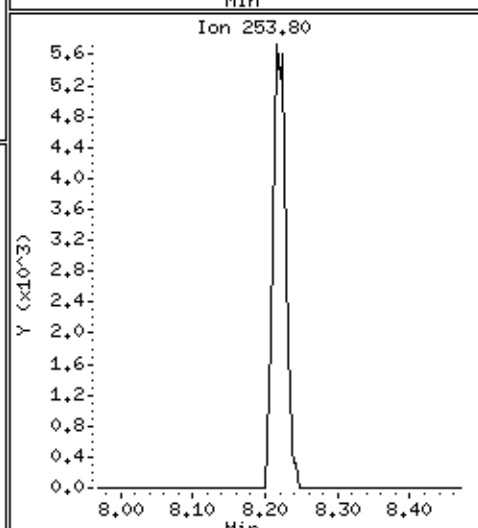
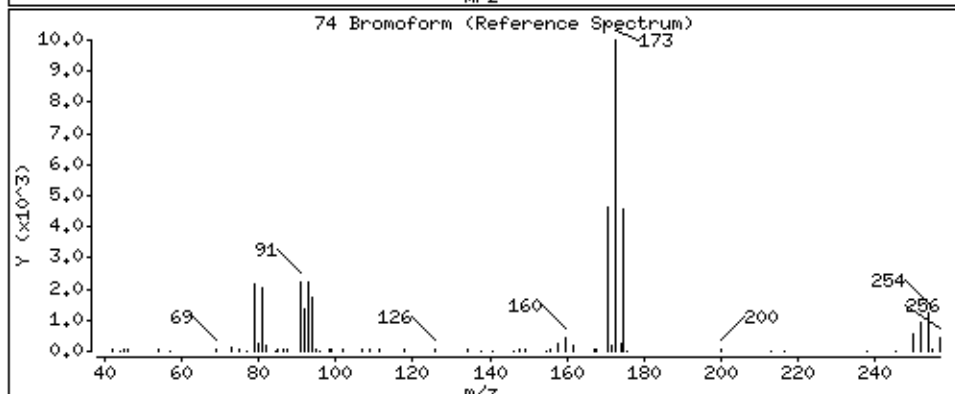
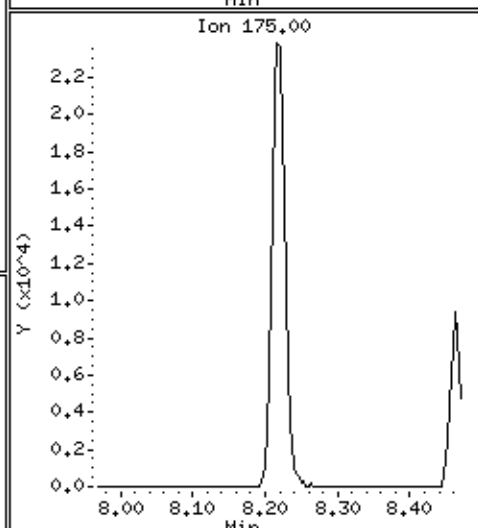
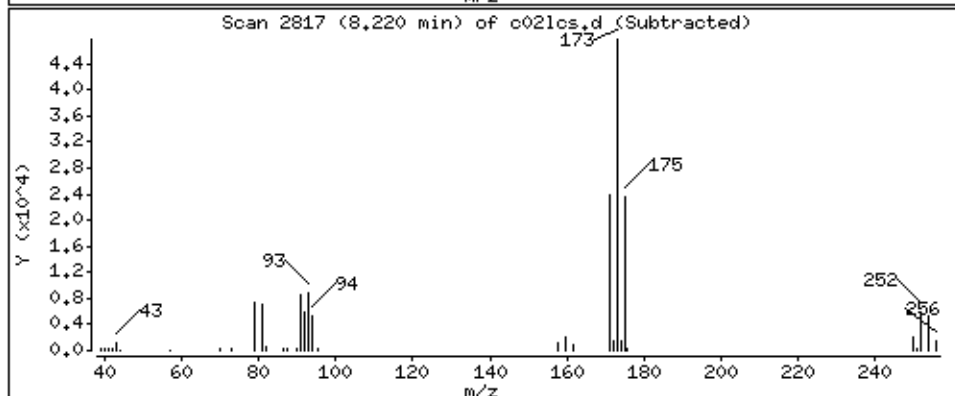
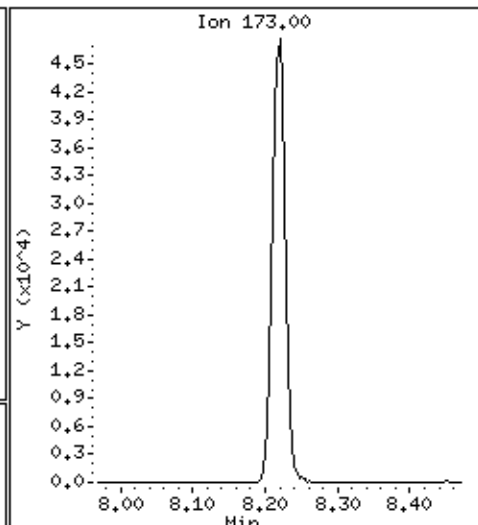
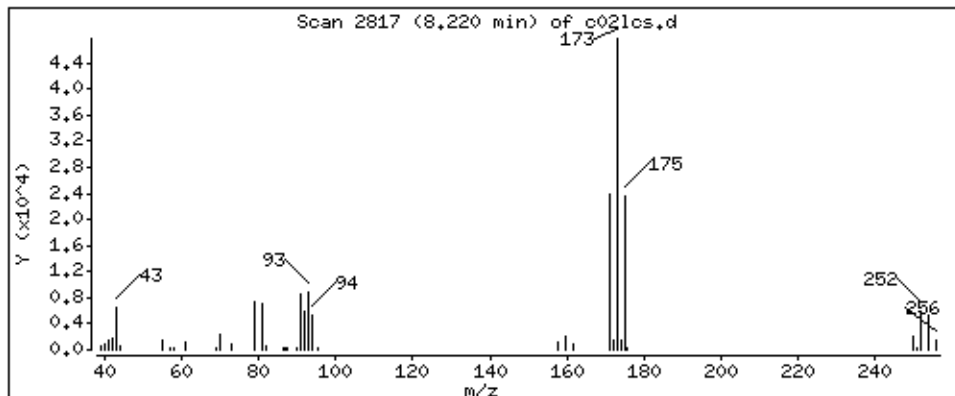
Operator: amv

Column phase: DB-624

Column diameter: 0,18

74 Bromoform

Concentration: 40,8 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mw2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

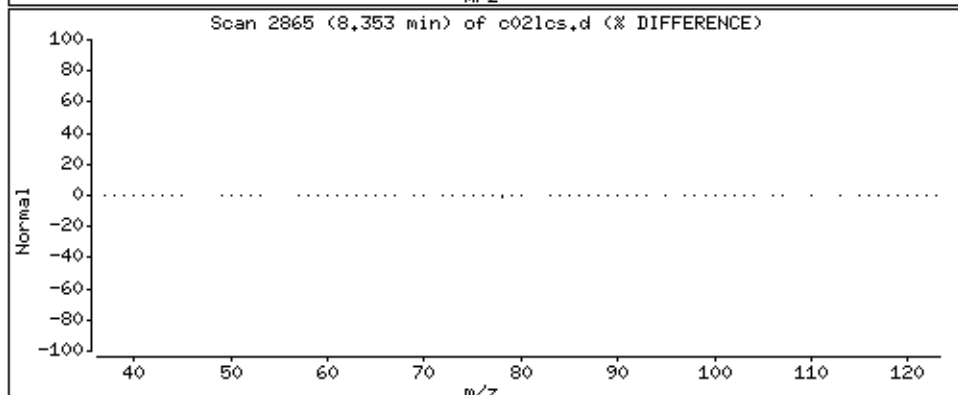
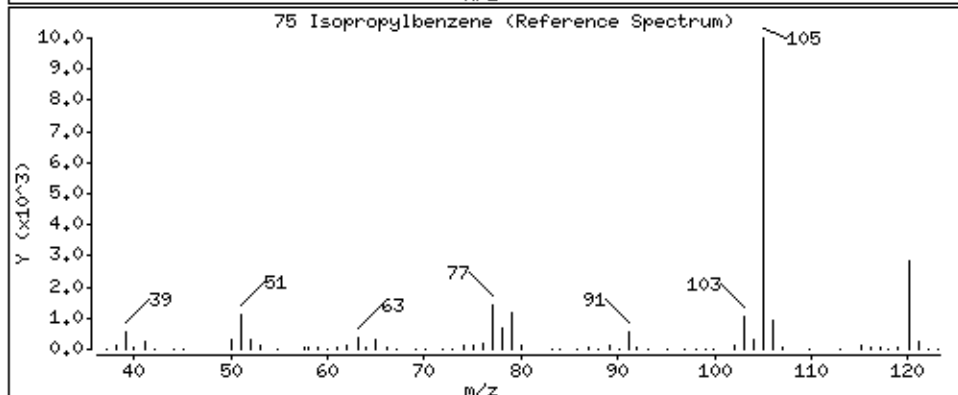
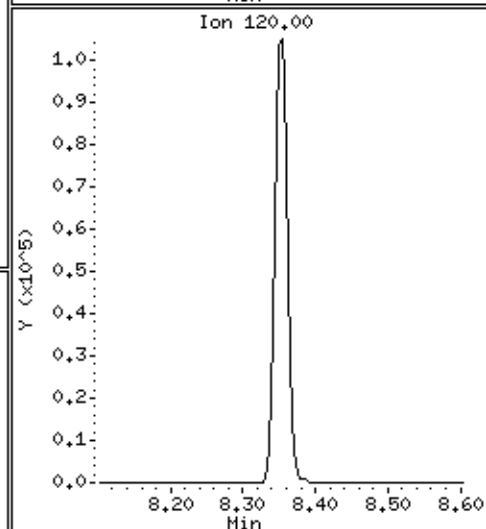
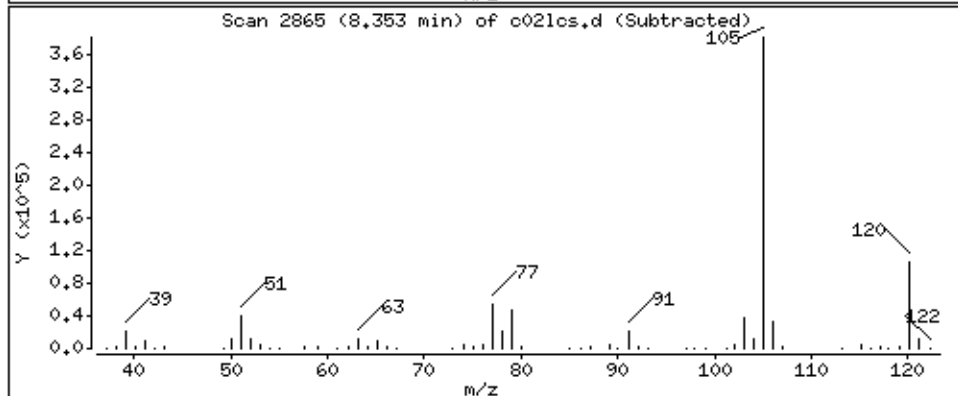
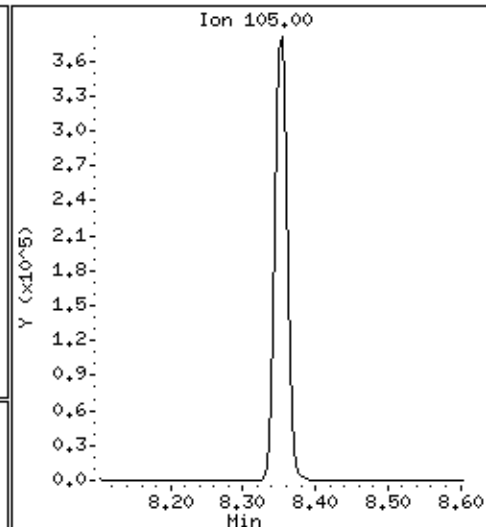
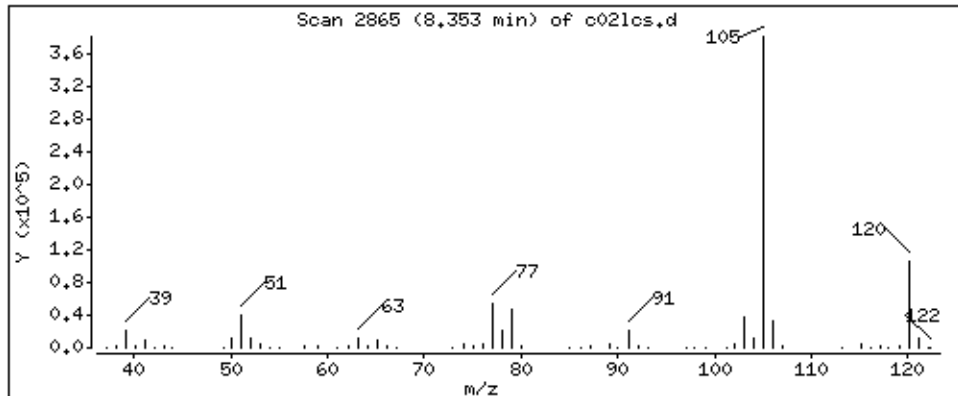
Operator: amv

Column phase: DB-624

Column diameter: 0,18

75 Isopropylbenzene

Concentration: 44,5 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mw2a.i

Sample Info: 2118712,184314;5

Purge Volume: 5.0

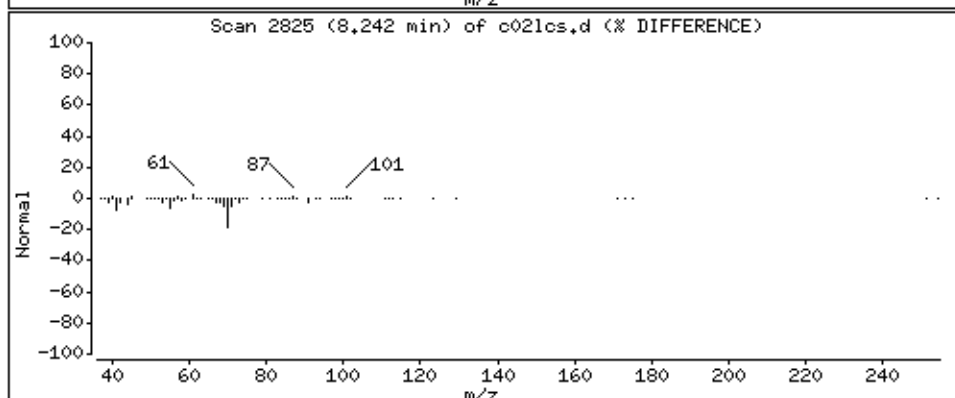
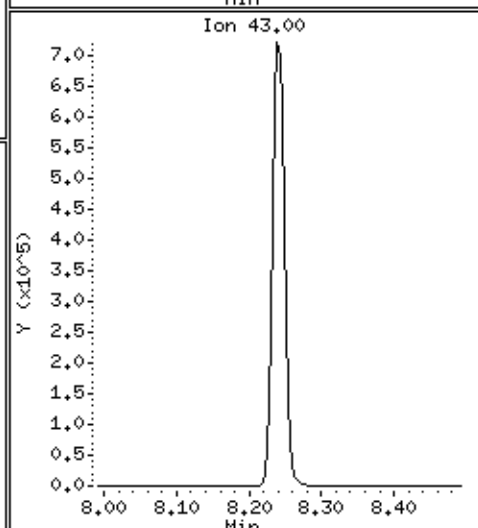
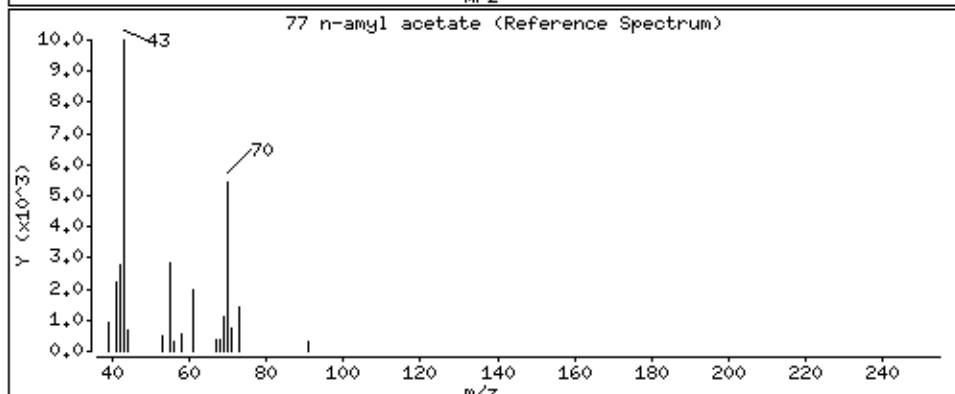
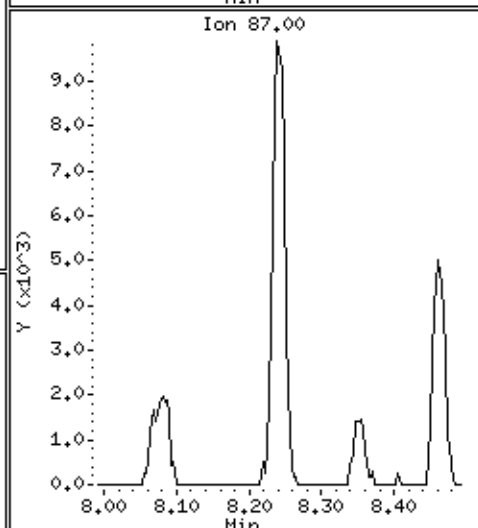
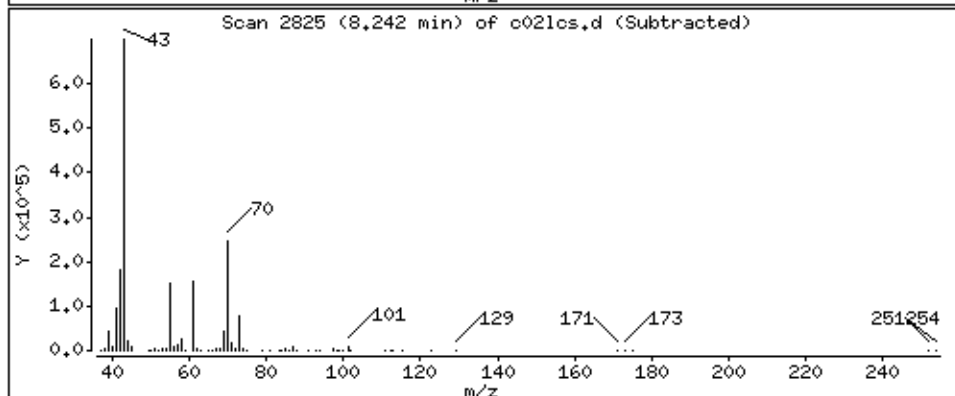
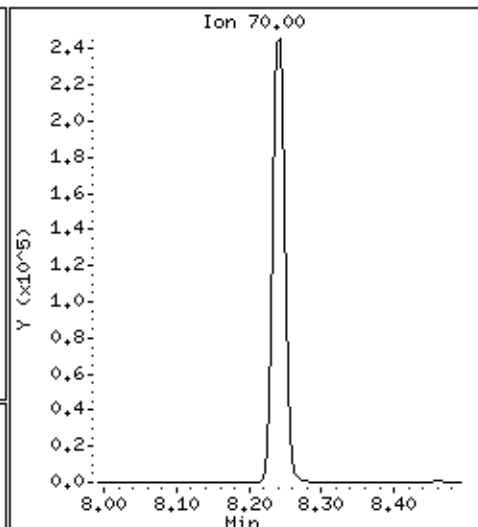
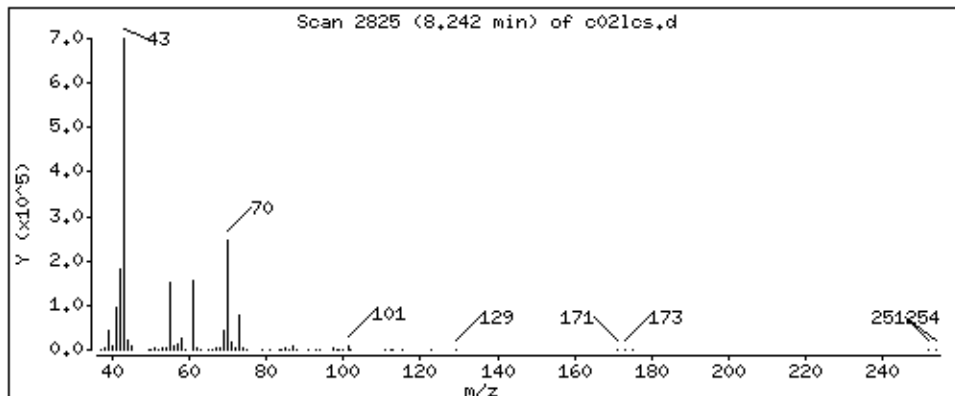
Operator: amv

Column phase: DB-624

Column diameter: 0,18

77 n-nyl acetate

Concentration: 195 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mw2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

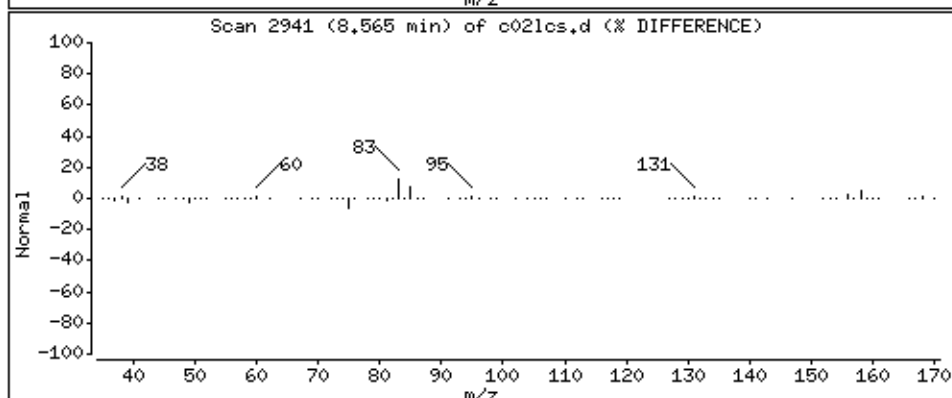
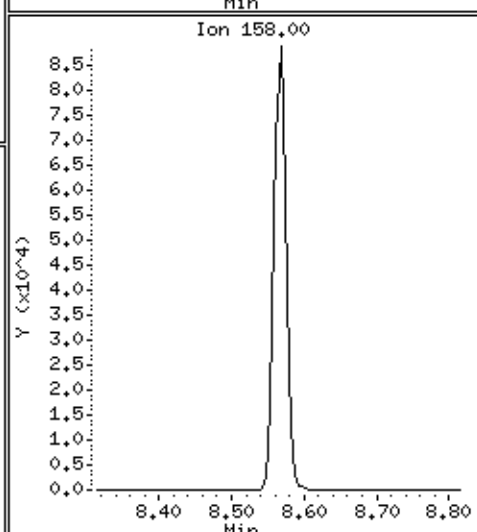
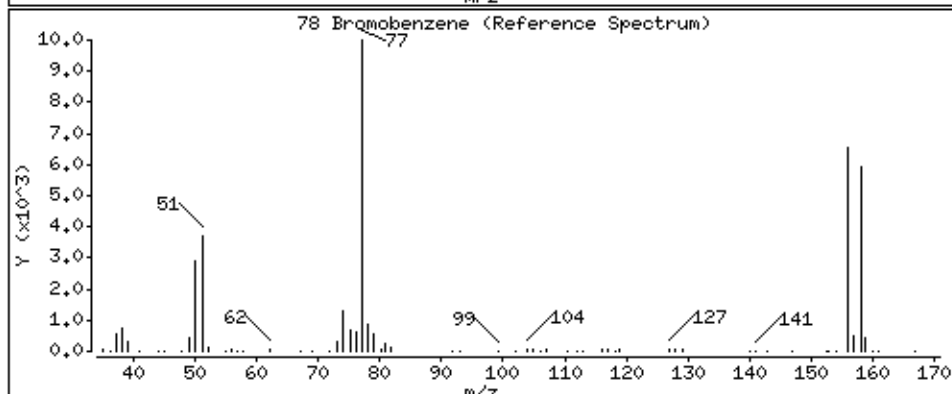
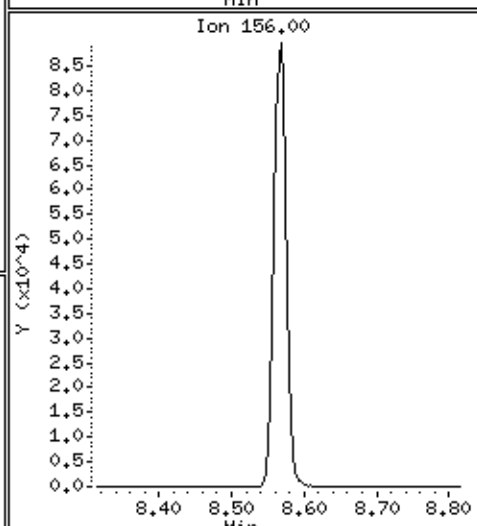
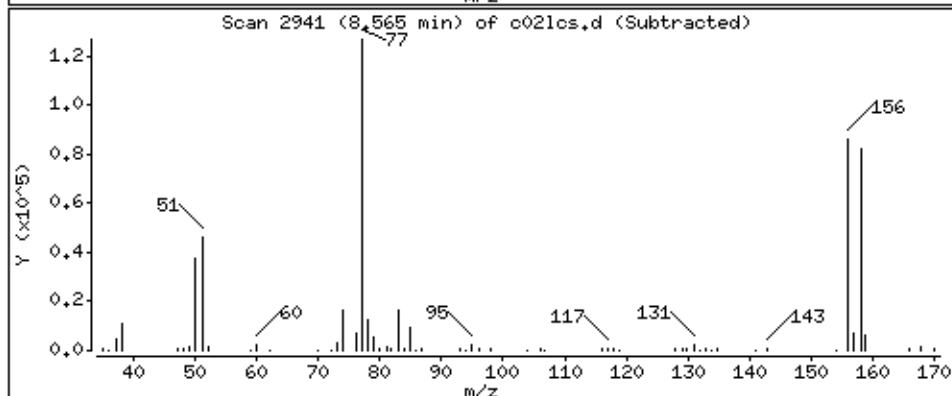
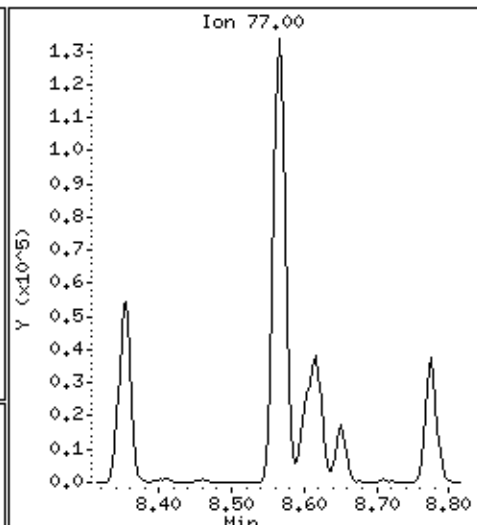
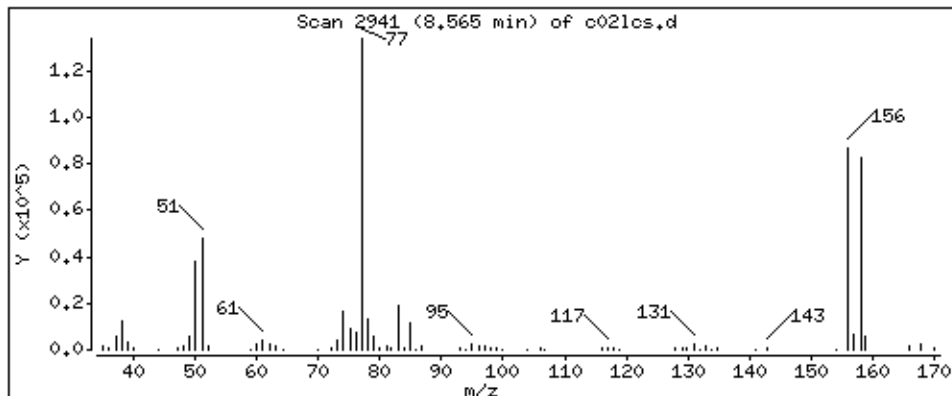
Operator: amv

Column phase: DB-624

Column diameter: 0,18

78 Bromobenzene

Concentration: 44,6 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

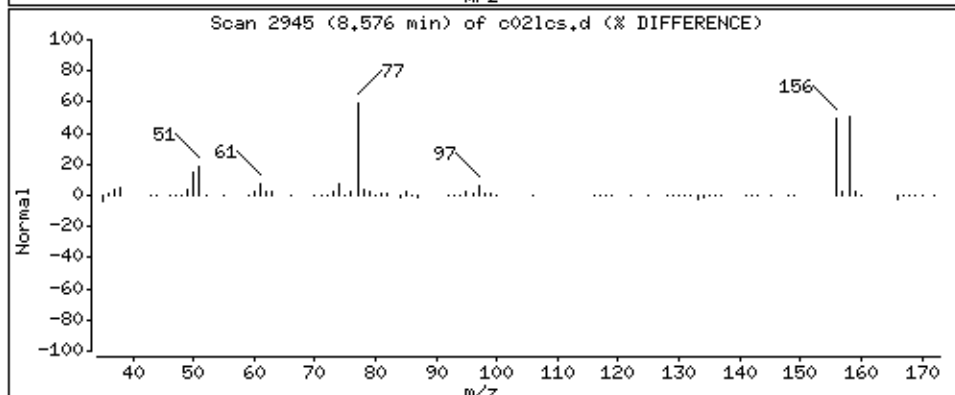
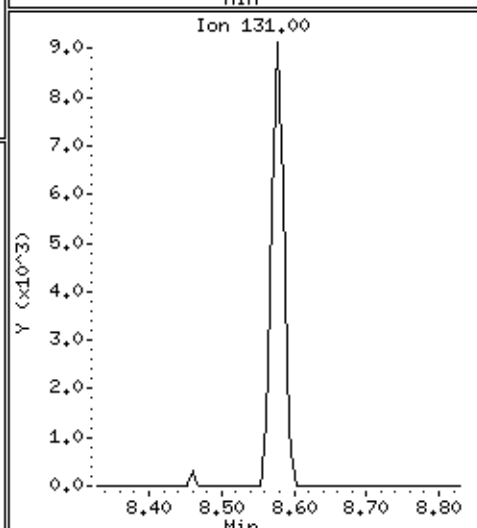
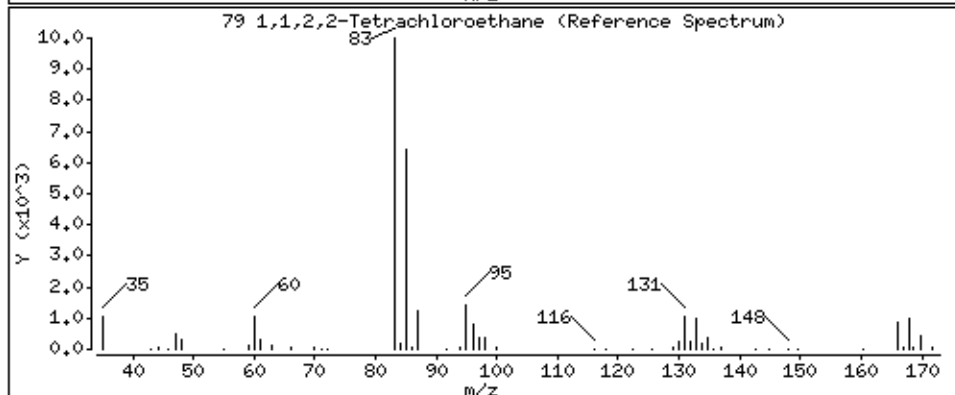
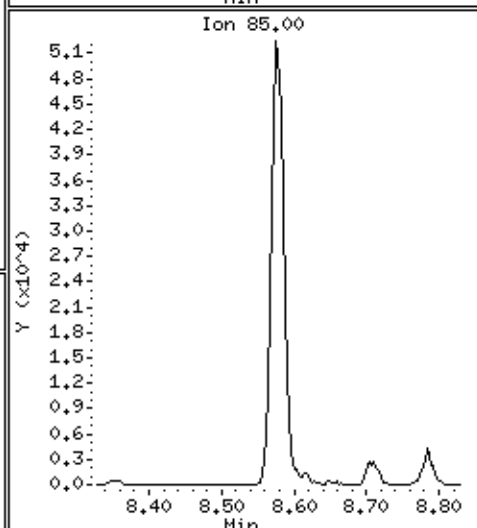
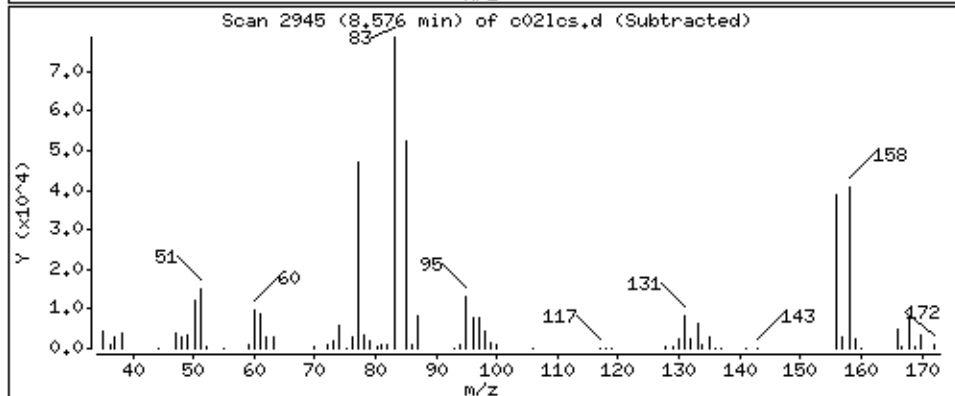
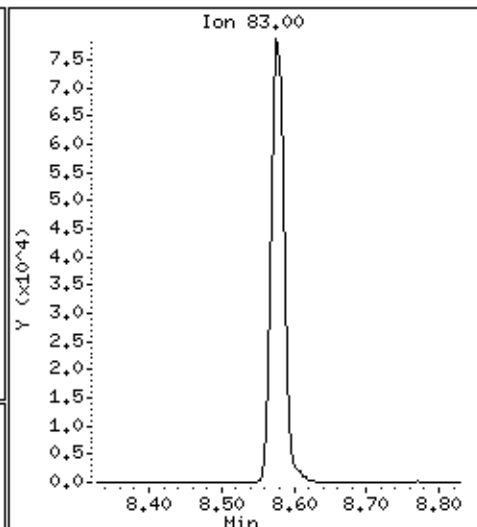
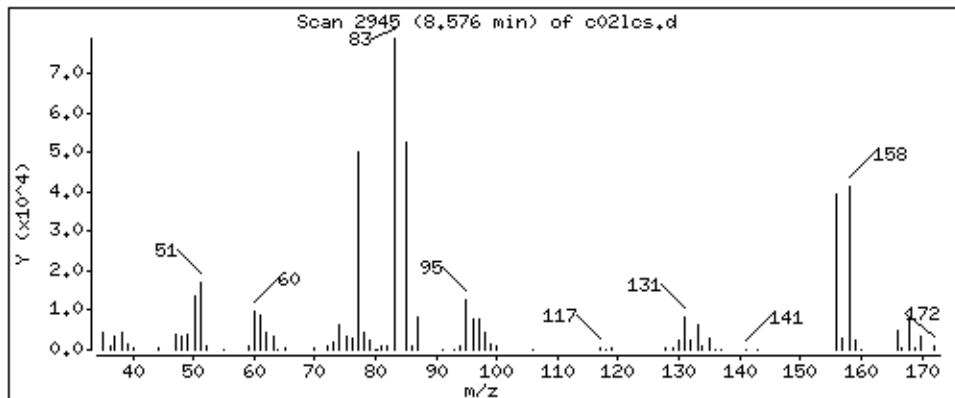
Operator: amv

Column phase: DB-624

Column diameter: 0,18

79 1,1,2,2-Tetrachloroethane

Concentration: 42,7 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mw2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

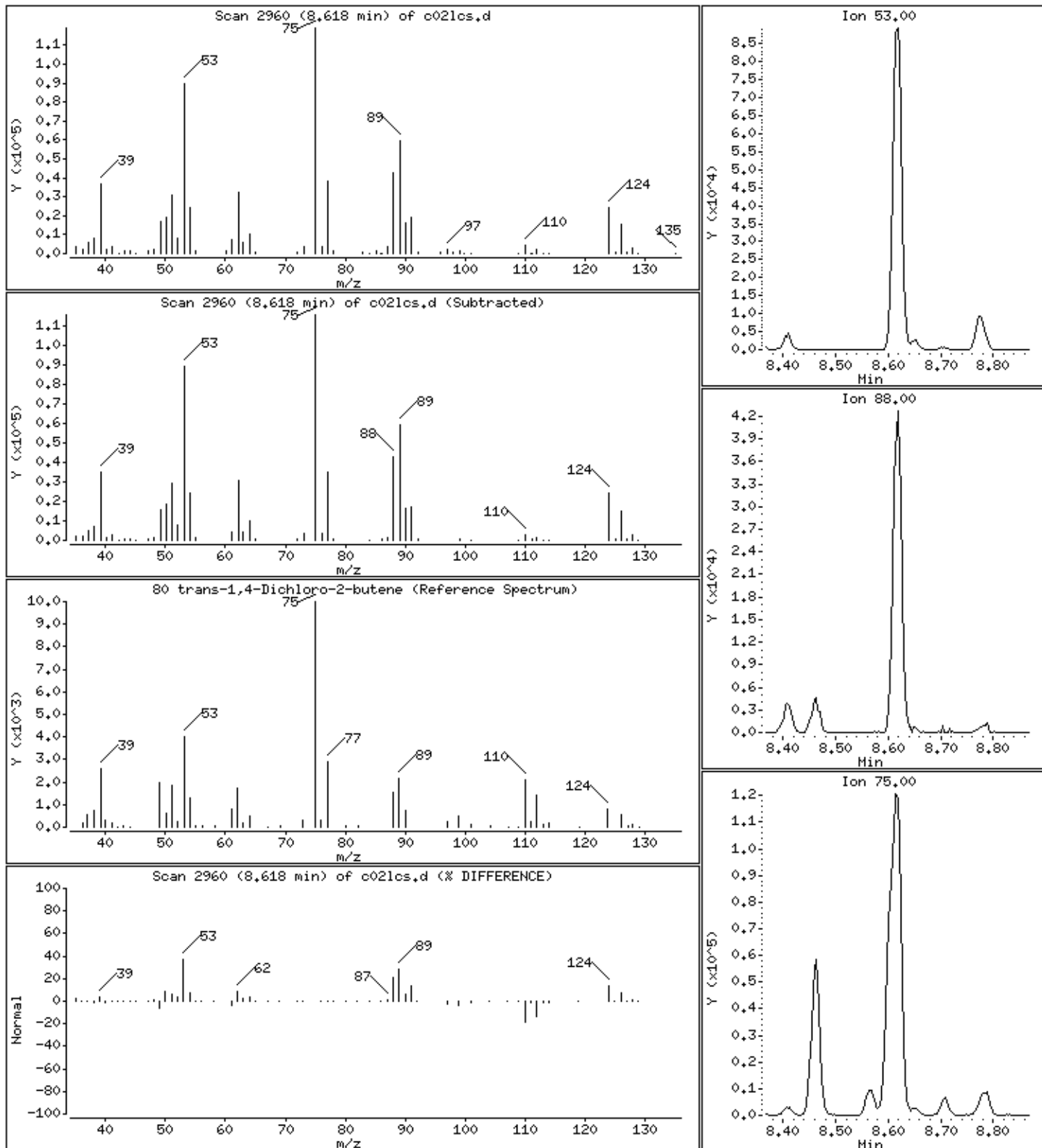
Operator: amv

Column phase: DB-624

Column diameter: 0,18

80 trans-1,4-Dichloro-2-butene

Concentration: 126 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

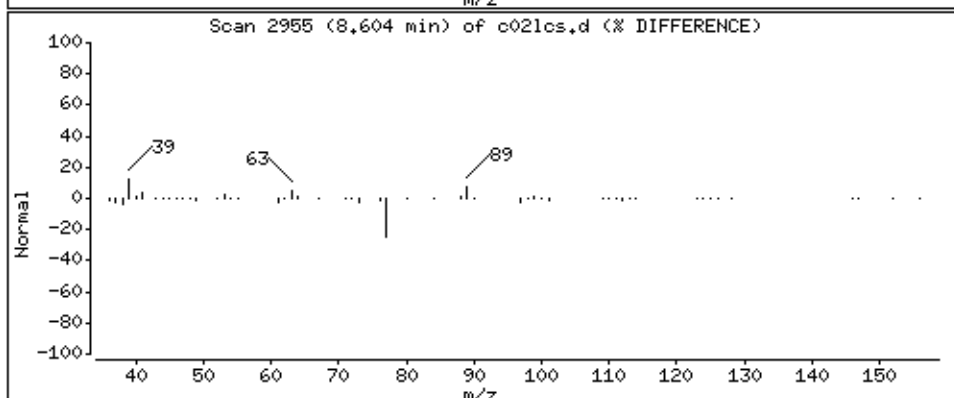
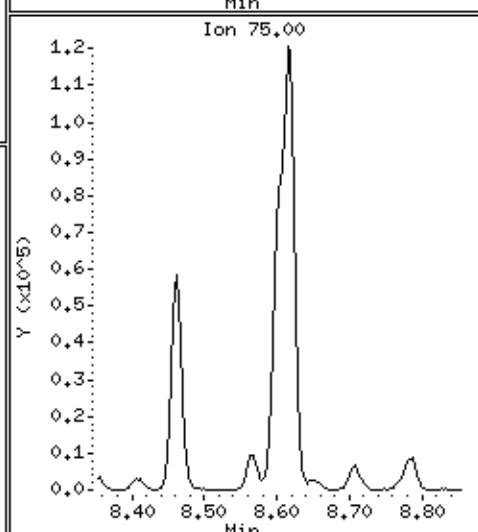
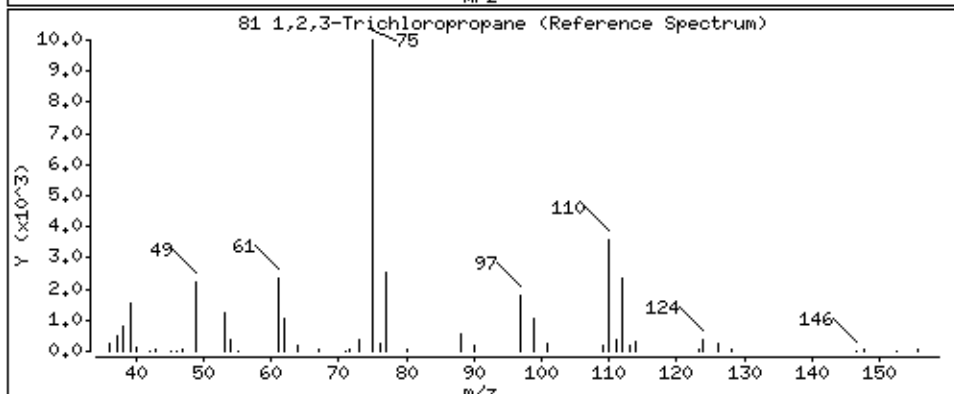
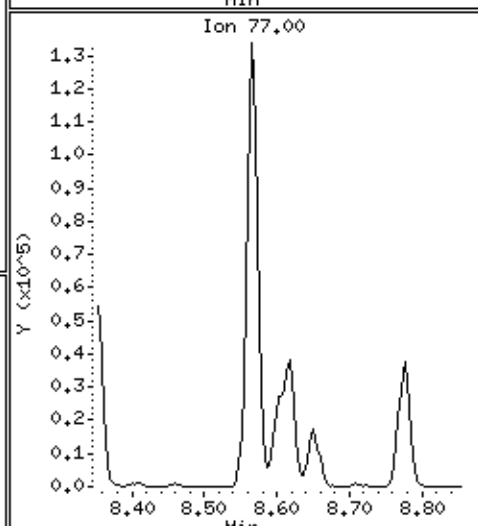
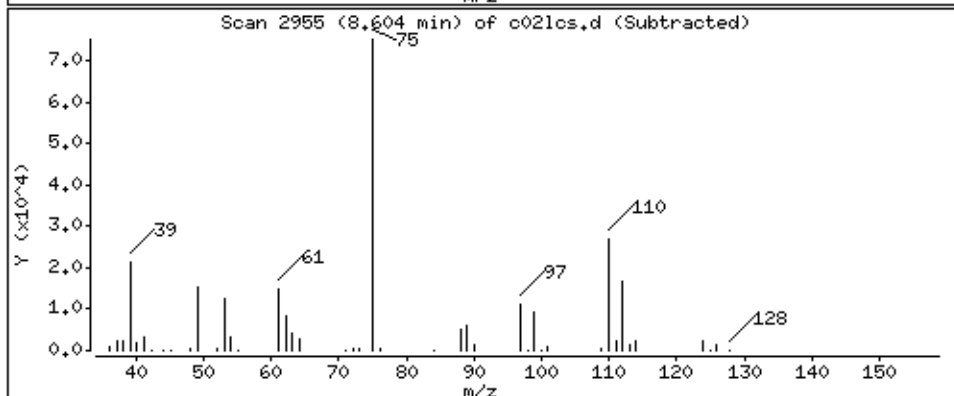
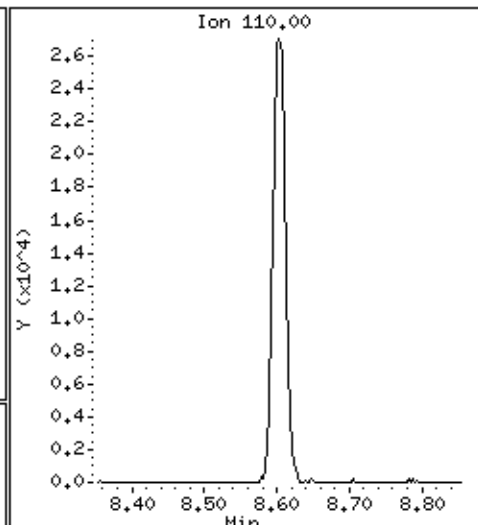
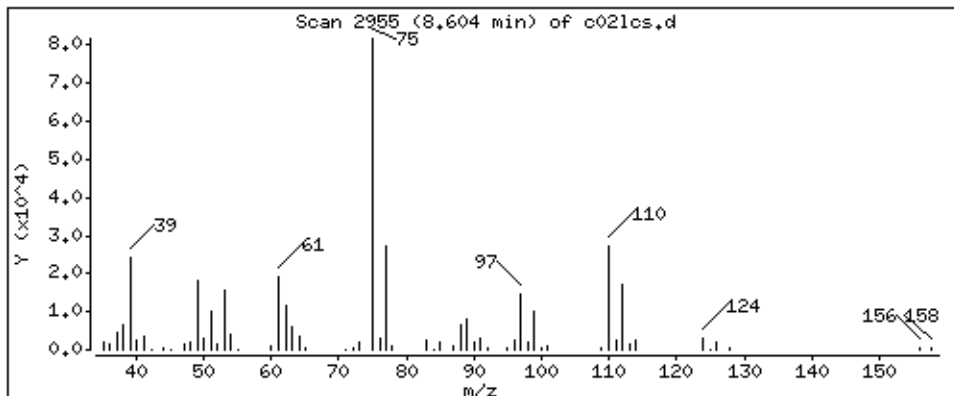
Operator: amv

Column phase: DB-624

Column diameter: 0,18

81 1,2,3-Trichloropropane

Concentration: 44,7 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

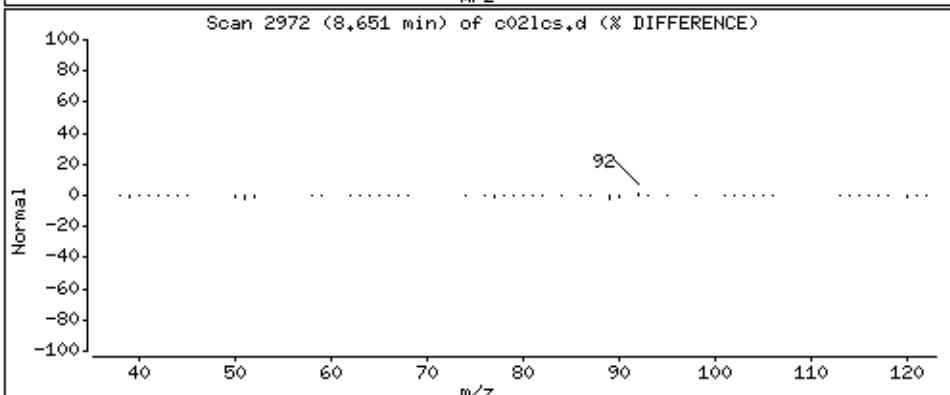
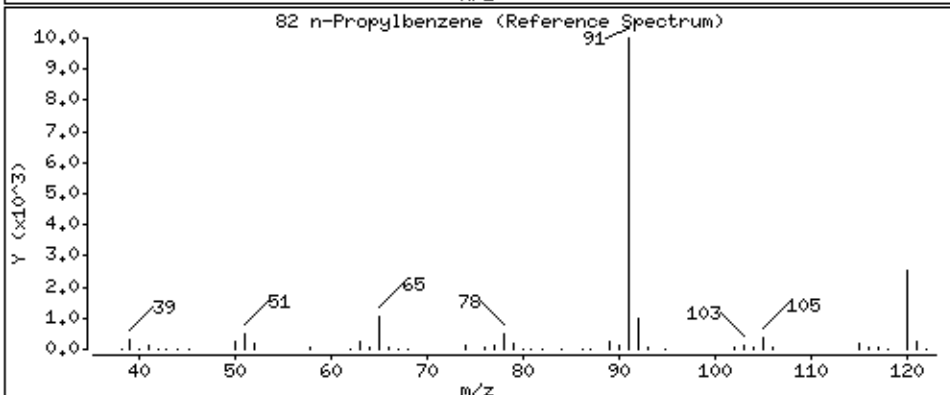
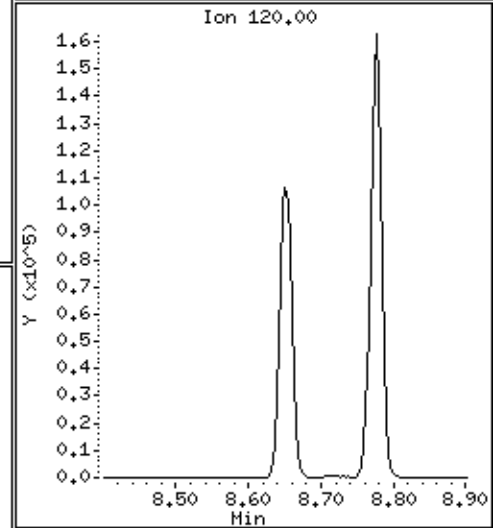
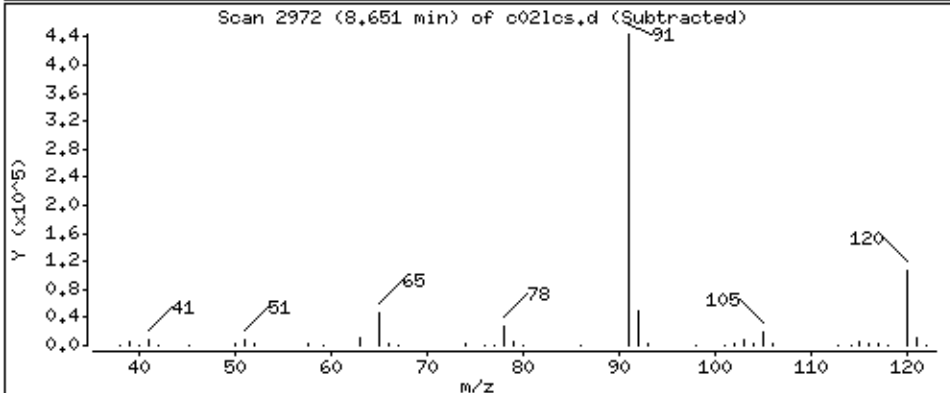
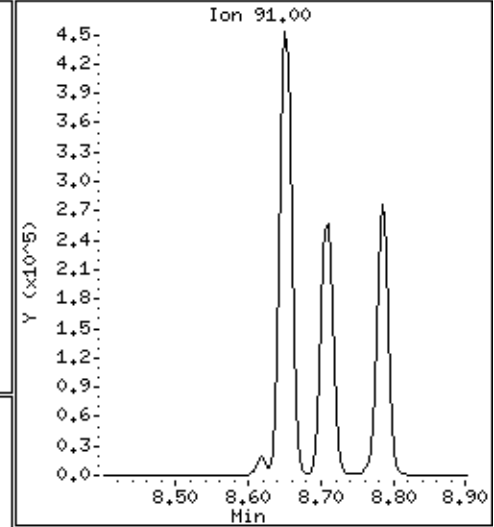
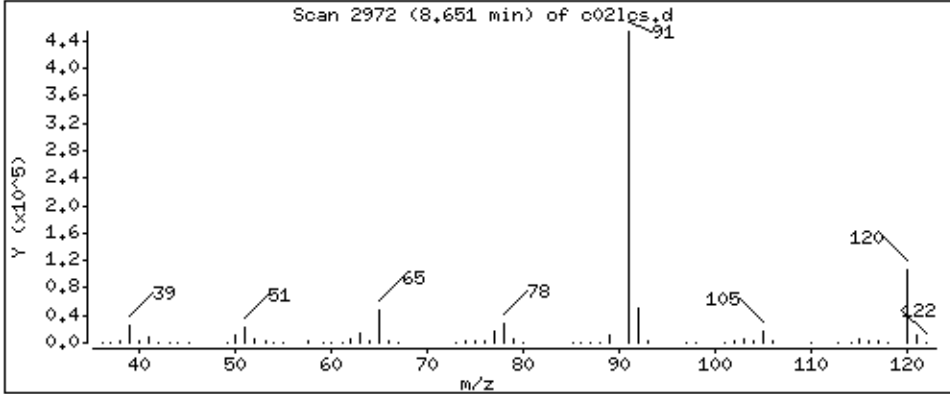
Operator: amv

Column phase: DB-624

Column diameter: 0,18

82 n-Propylbenzene

Concentration: 45,7 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314;5

Purge Volume: 5.0

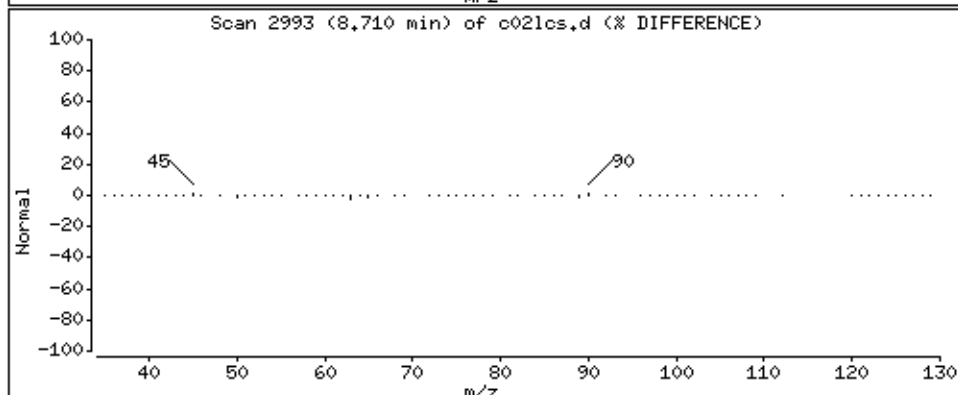
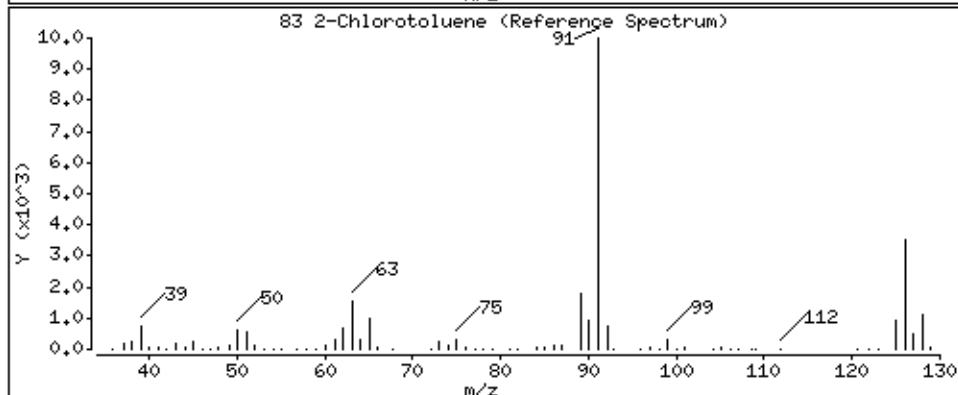
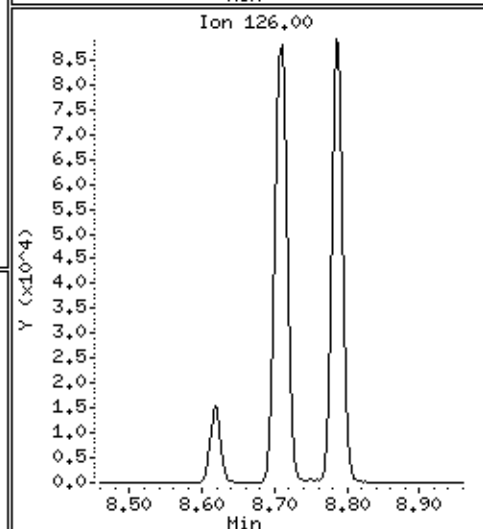
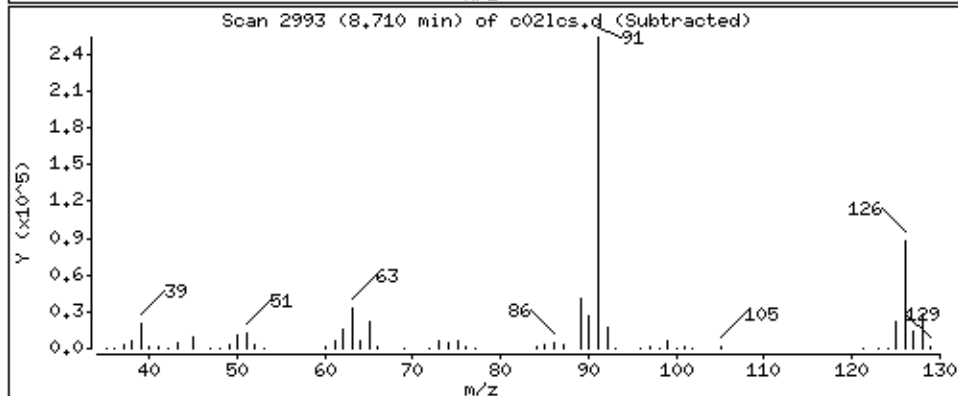
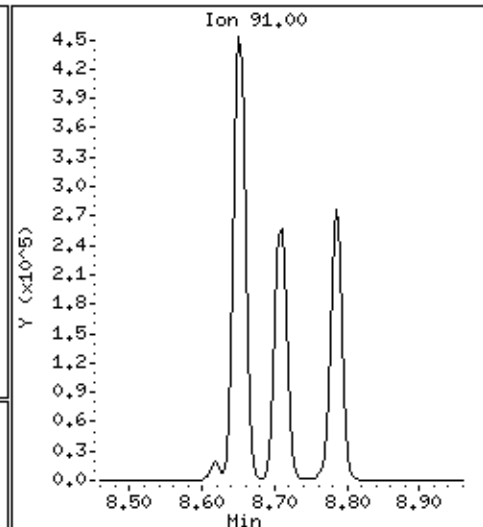
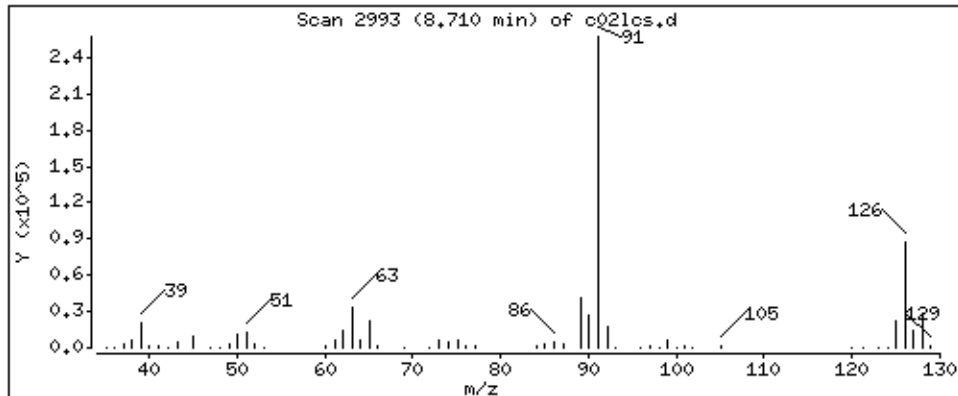
Operator: amv

Column phase: DB-624

Column diameter: 0,18

83 2-Chlorotoluene

Concentration: 49.0 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

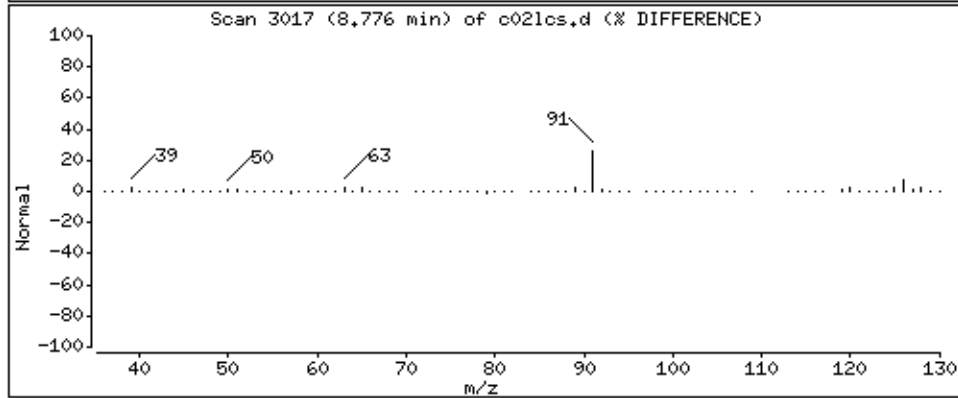
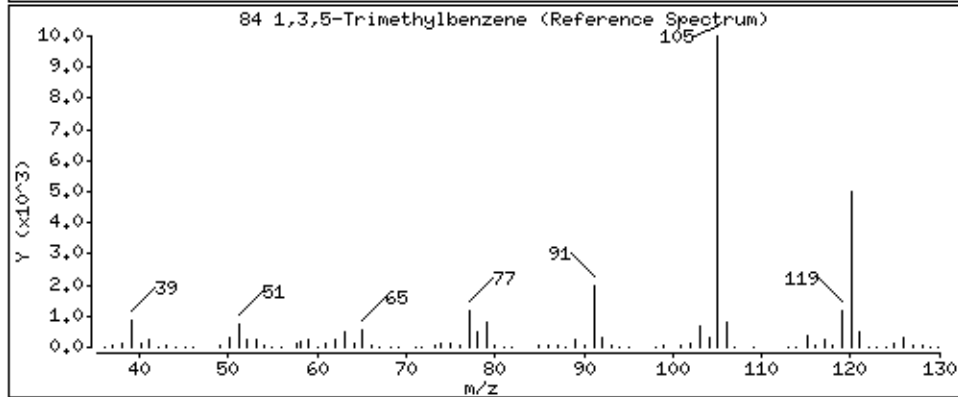
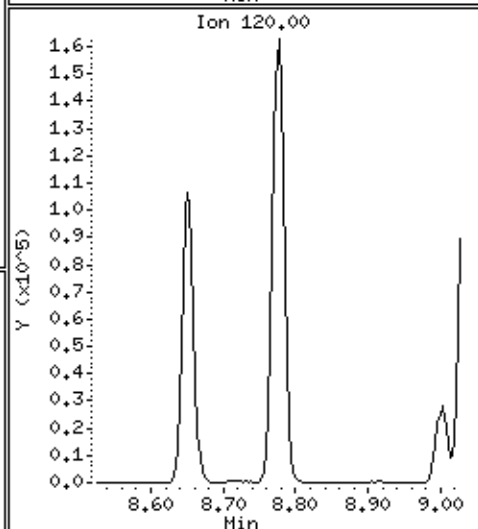
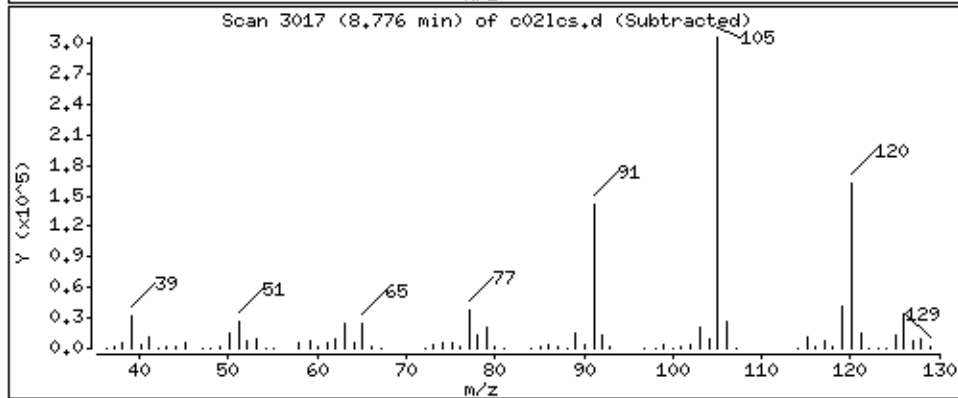
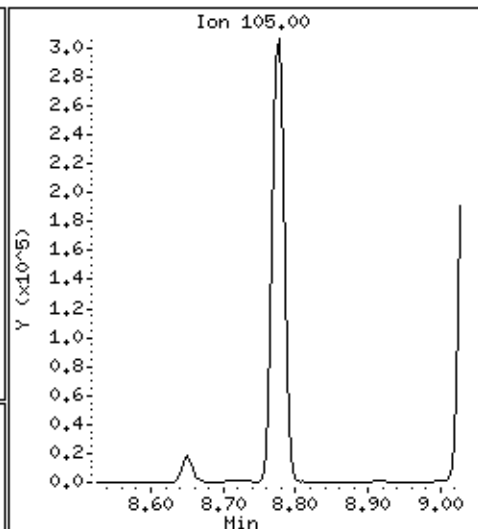
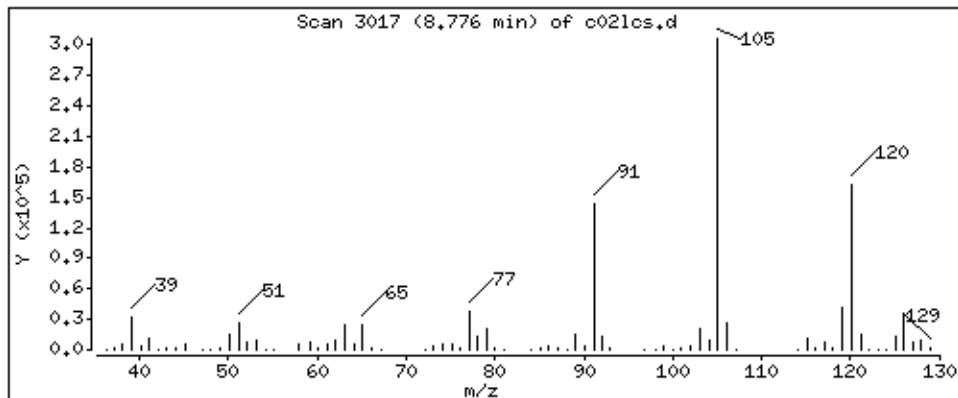
Operator: amv

Column phase: DB-624

Column diameter: 0,18

84 1,3,5-Trimethylbenzene

Concentration: 44,3 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

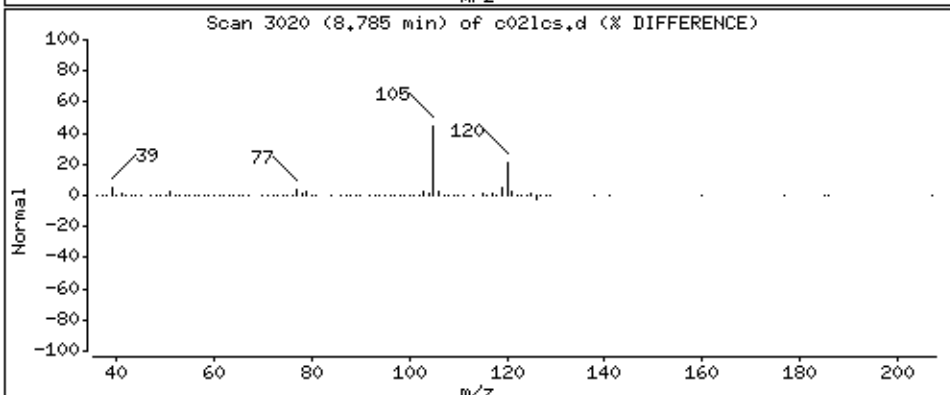
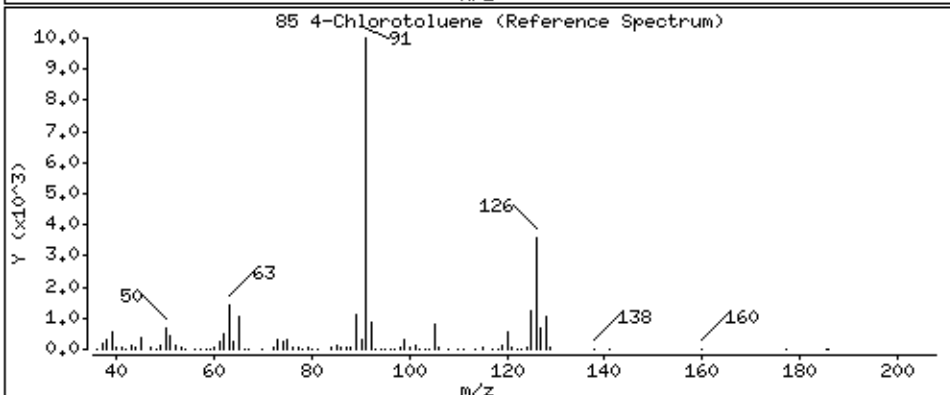
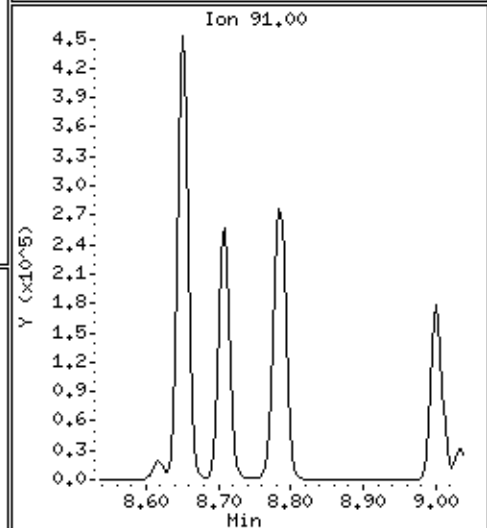
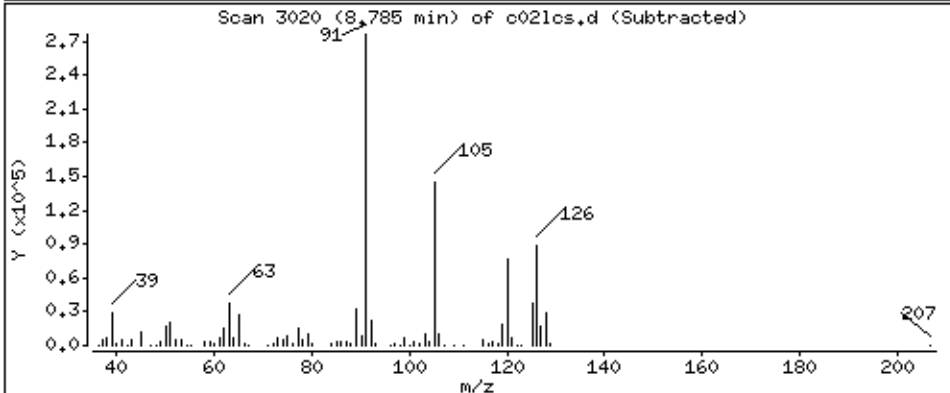
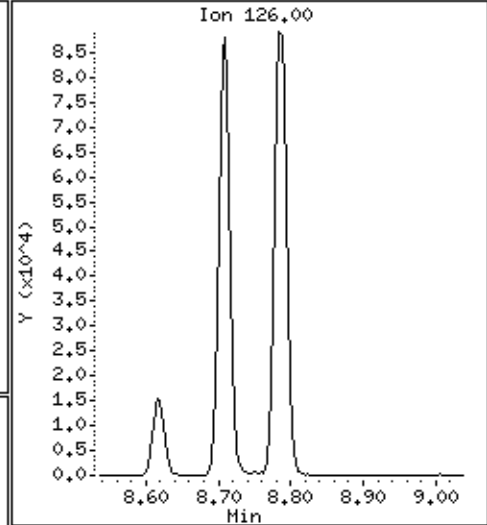
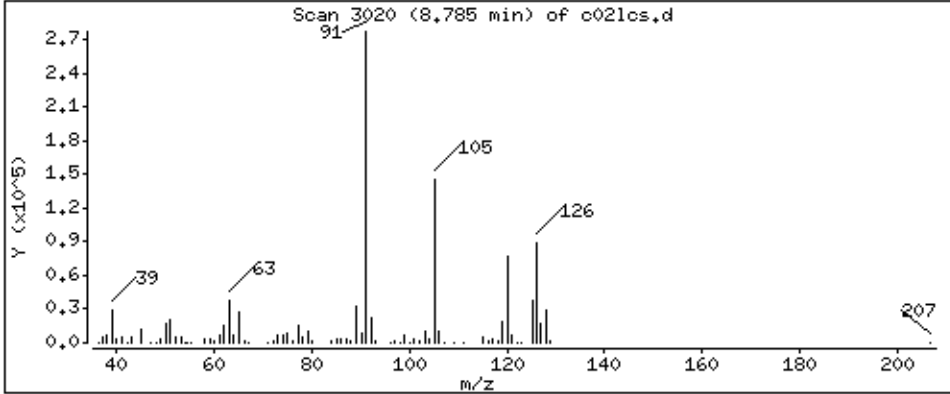
Operator: amv

Column phase: DB-624

Column diameter: 0,18

85 4-Chlorotoluene

Concentration: 47.4 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

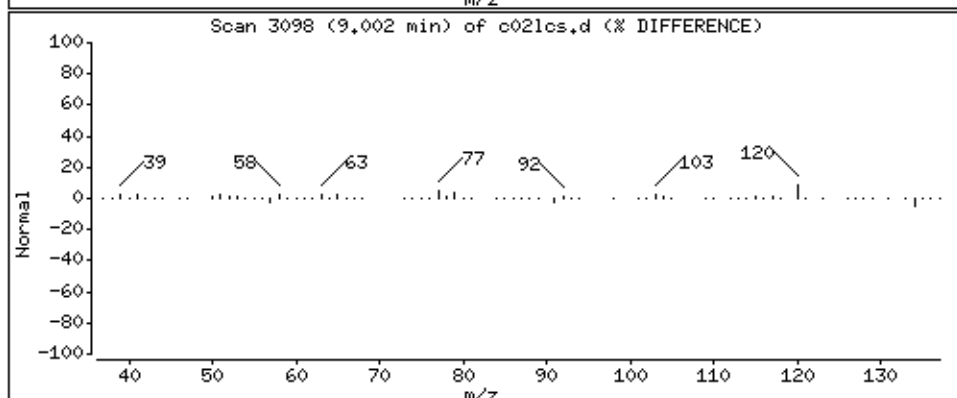
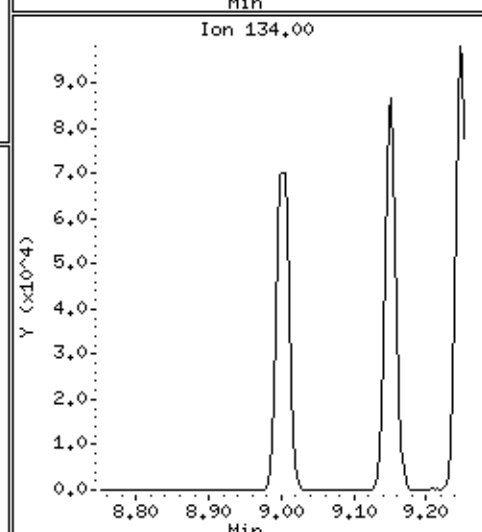
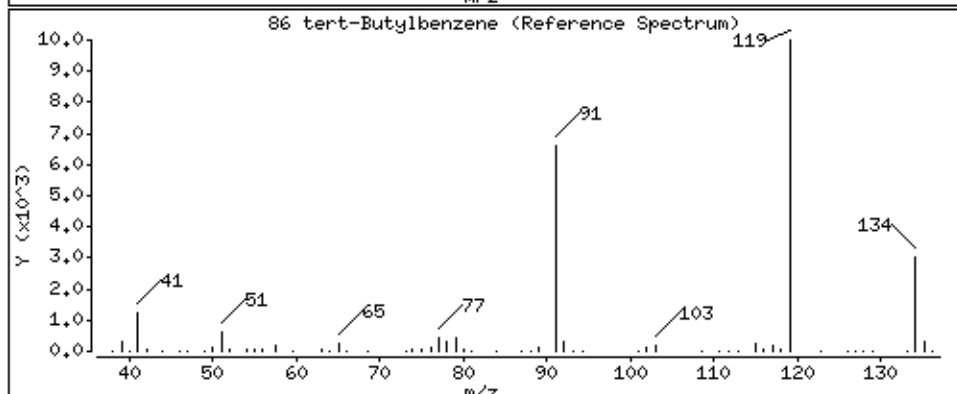
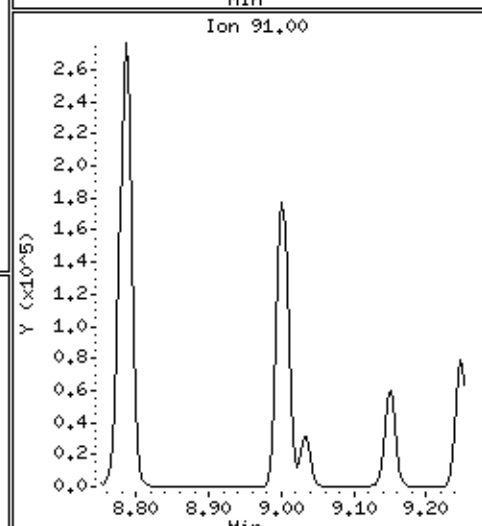
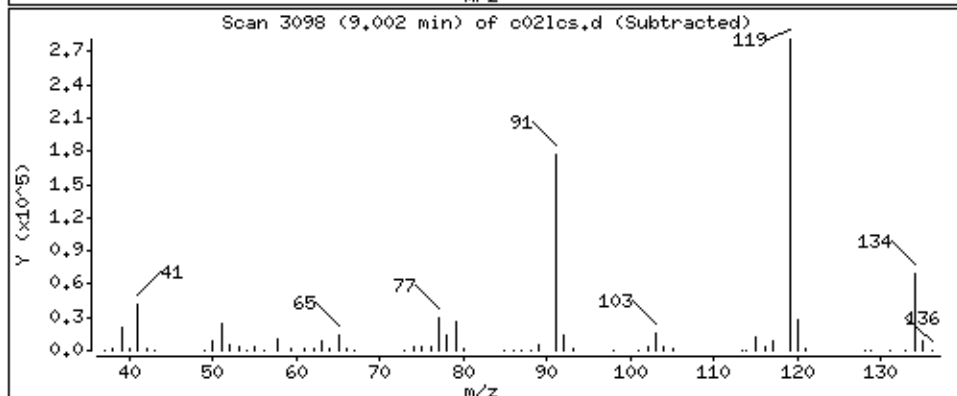
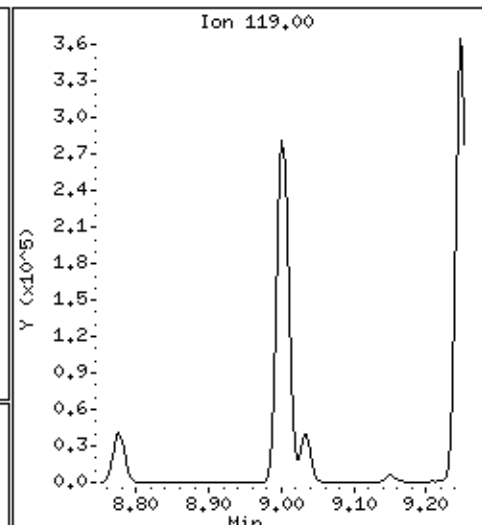
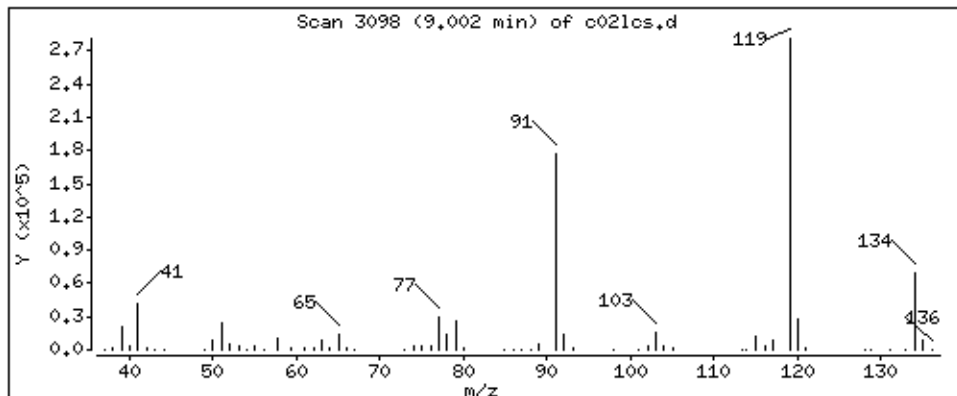
Operator: amv

Column phase: DB-624

Column diameter: 0,18

86 tert-Butylbenzene

Concentration: 39.9 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

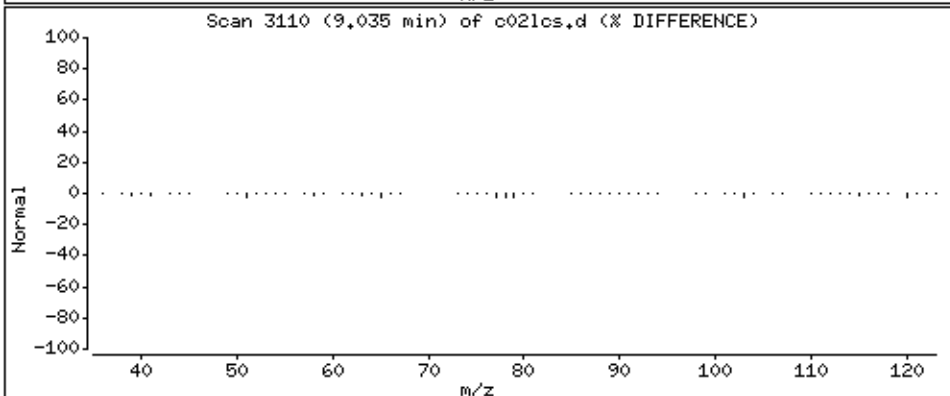
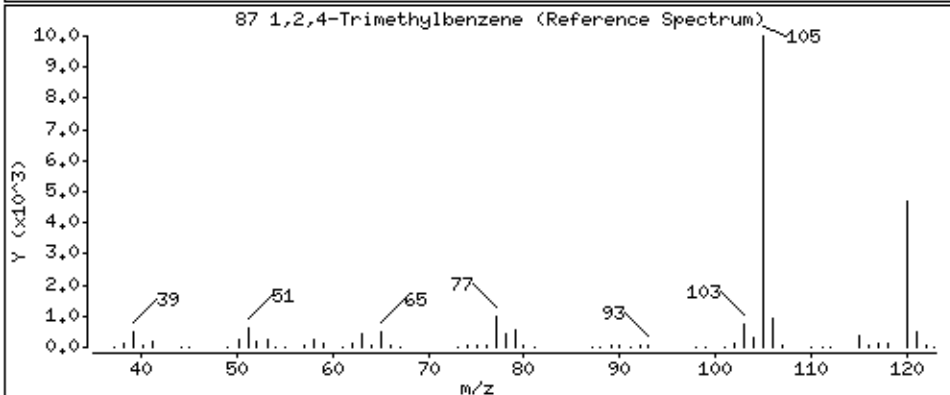
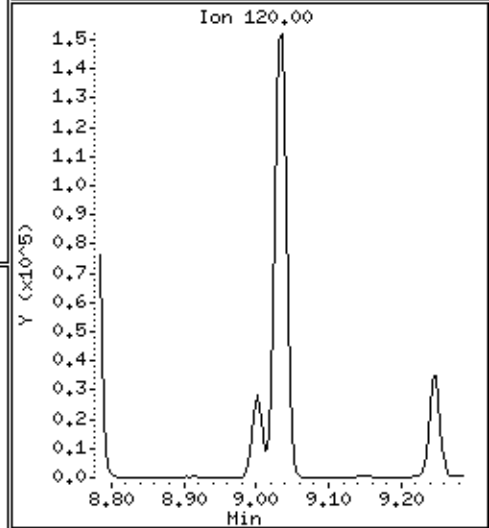
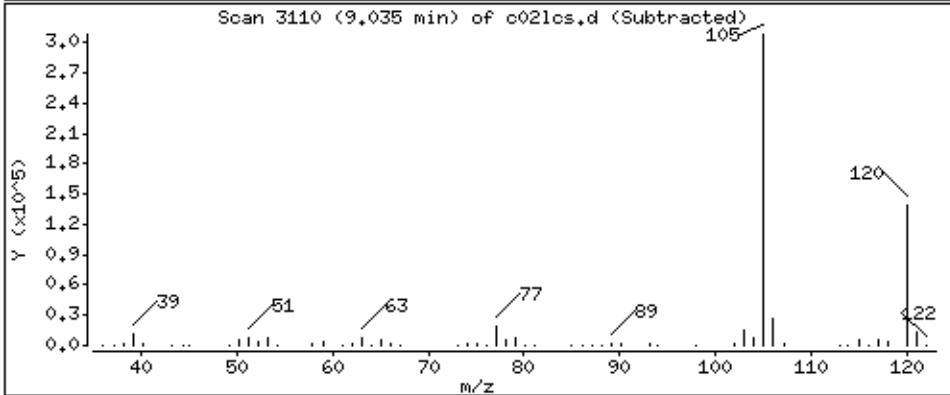
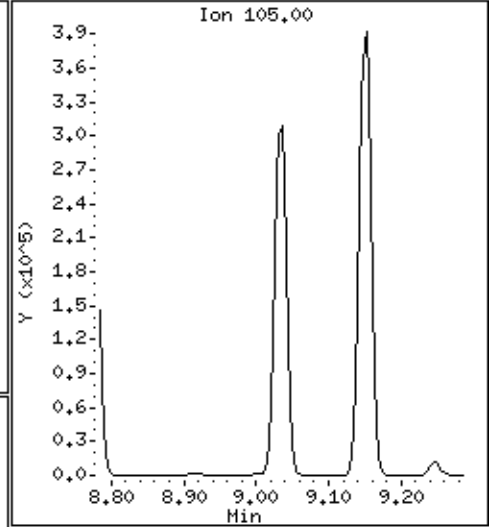
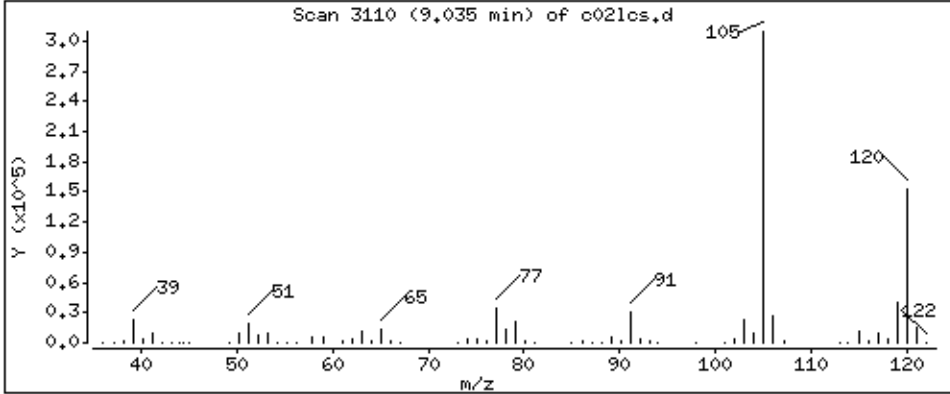
Operator: amv

Column phase: DB-624

Column diameter: 0,18

87 1,2,4-Trimethylbenzene

Concentration: 44.2 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314;5

Purge Volume: 5.0

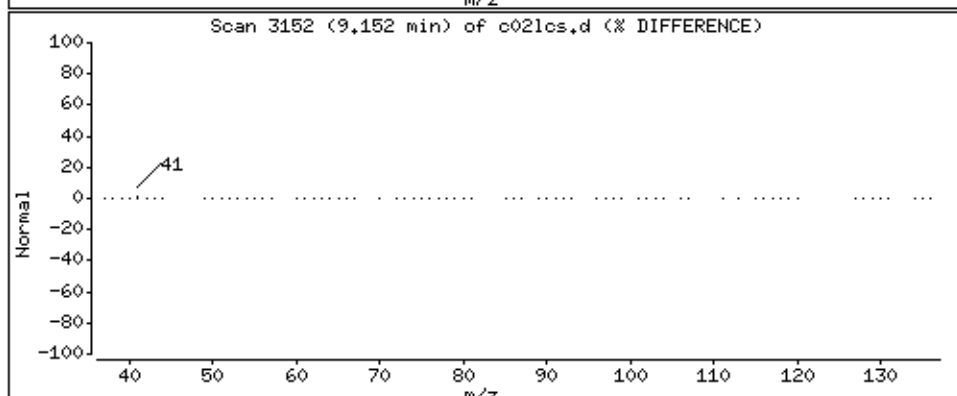
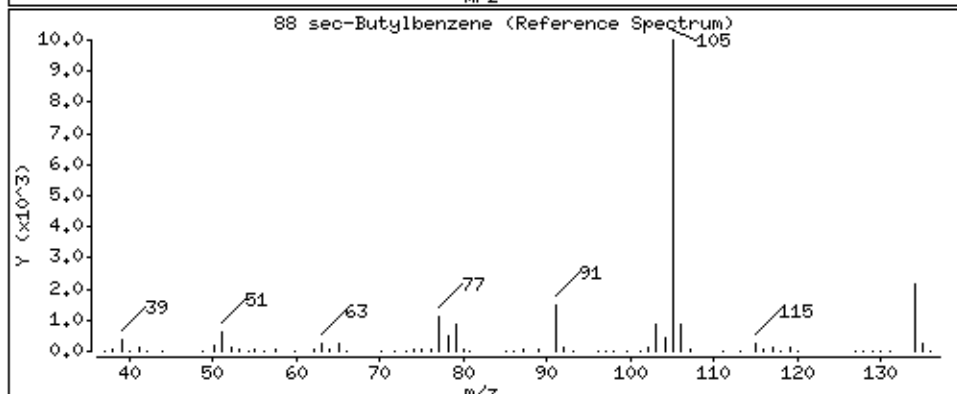
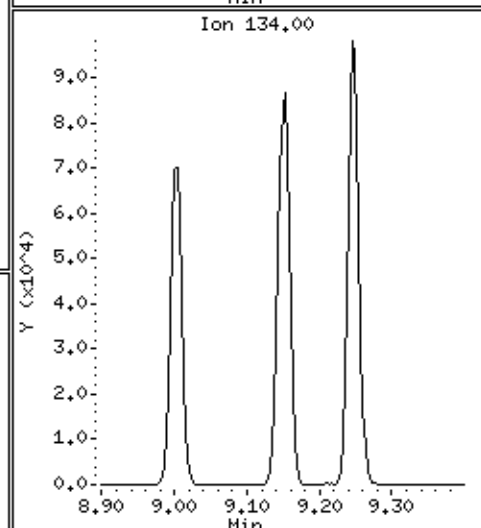
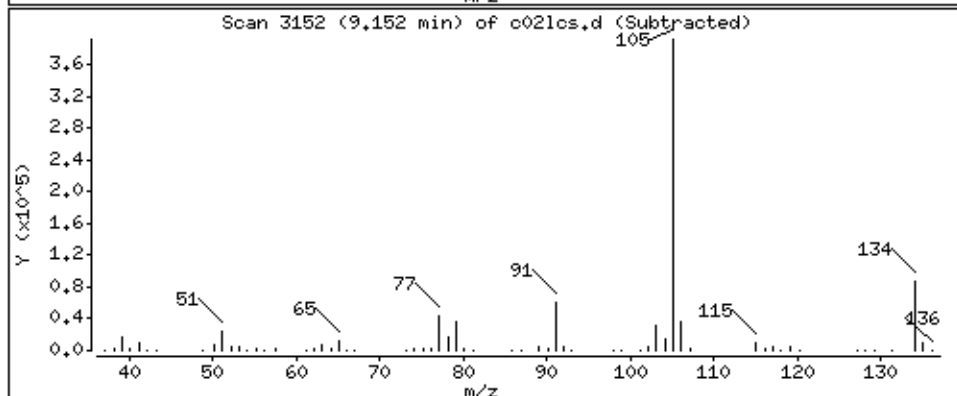
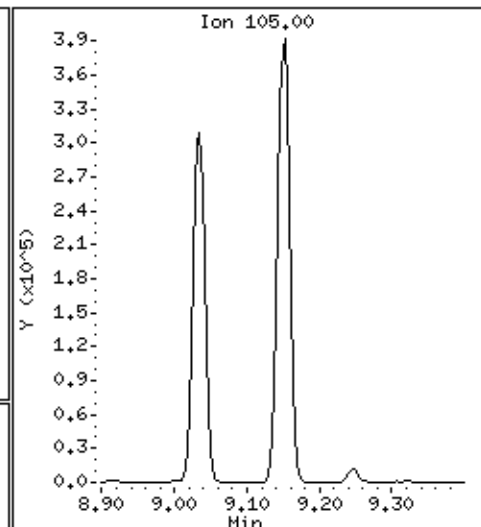
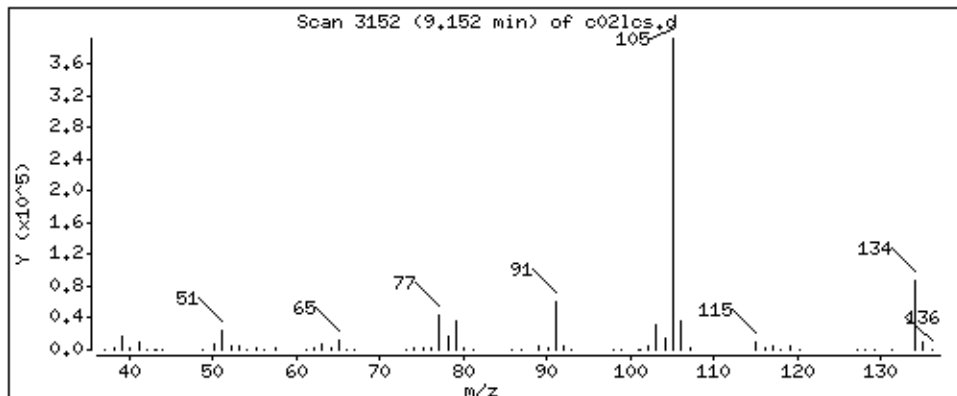
Operator: amv

Column phase: DB-624

Column diameter: 0,18

88 sec-Butylbenzene

Concentration: 44,6 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

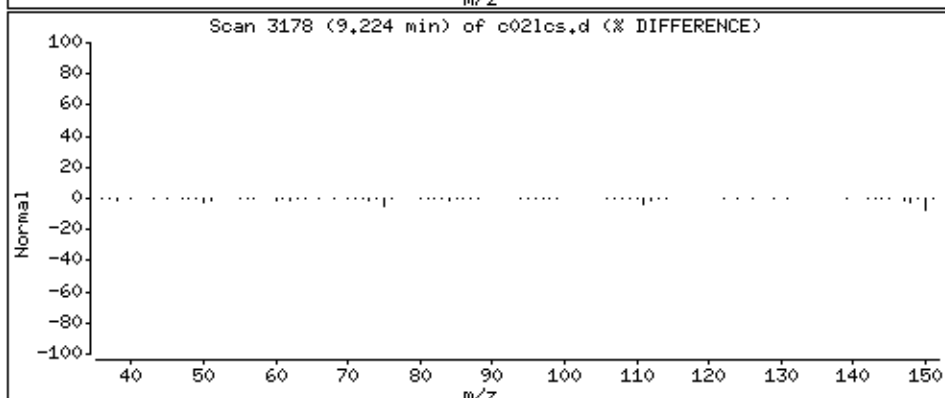
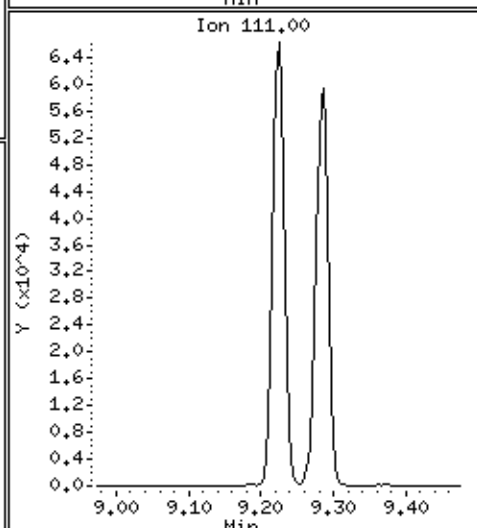
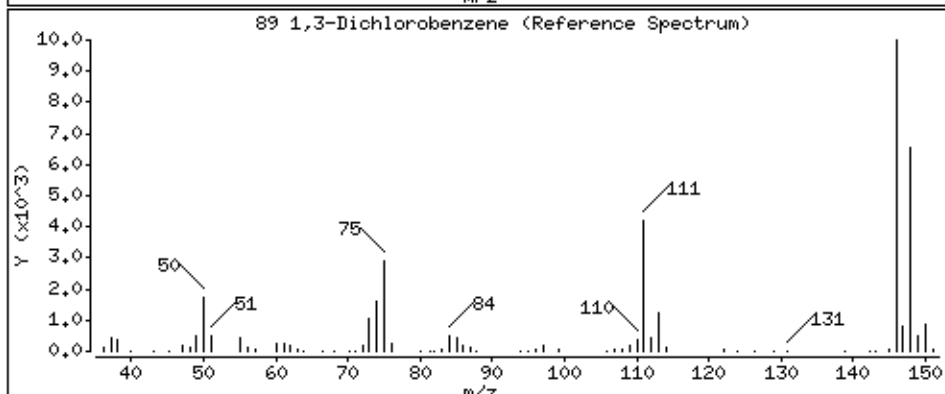
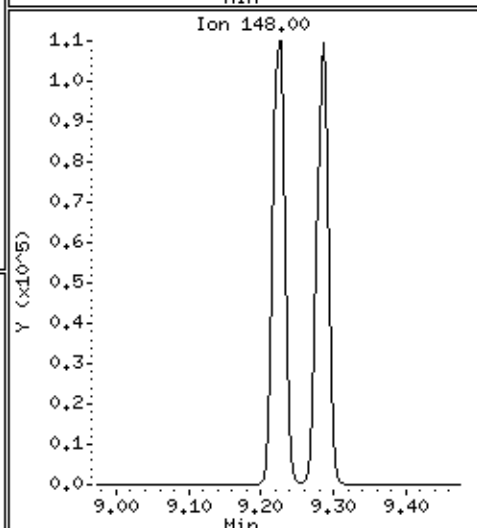
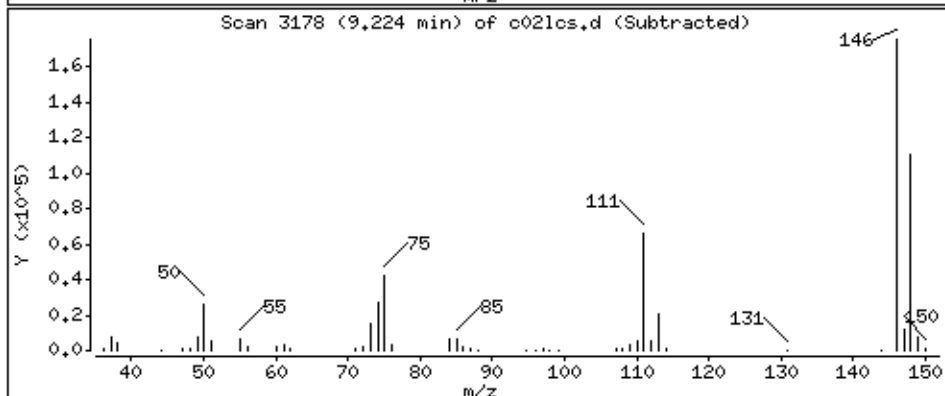
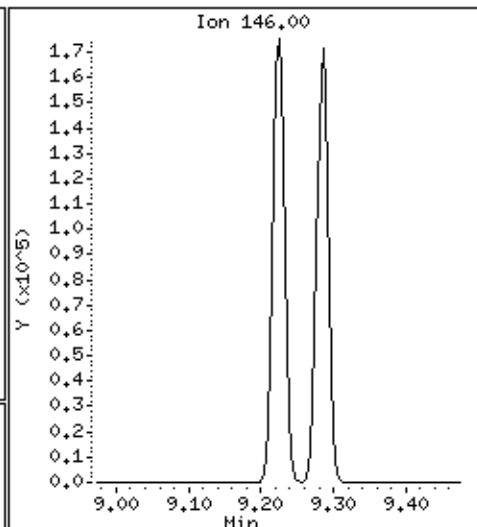
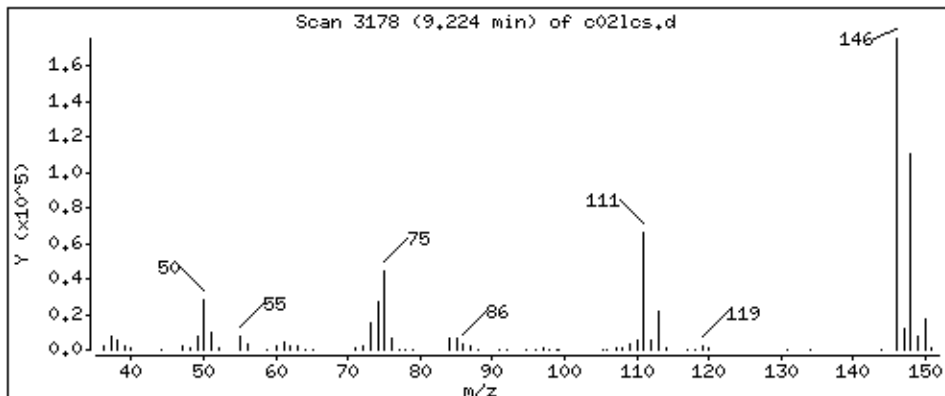
Operator: amv

Column phase: DB-624

Column diameter: 0,18

89 1,3-Dichlorobenzene

Concentration: 45,7 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

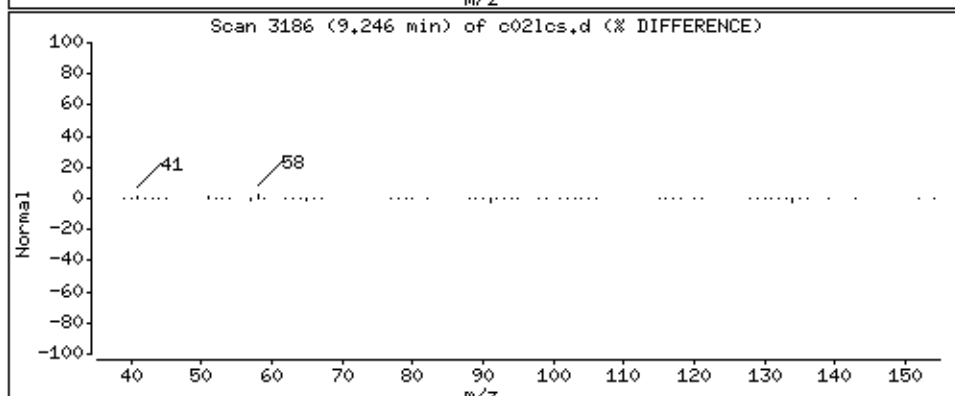
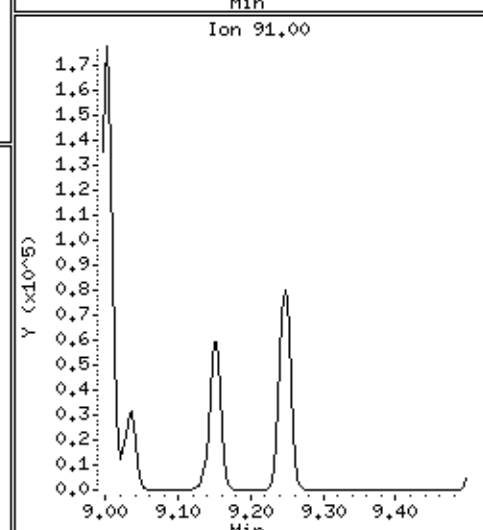
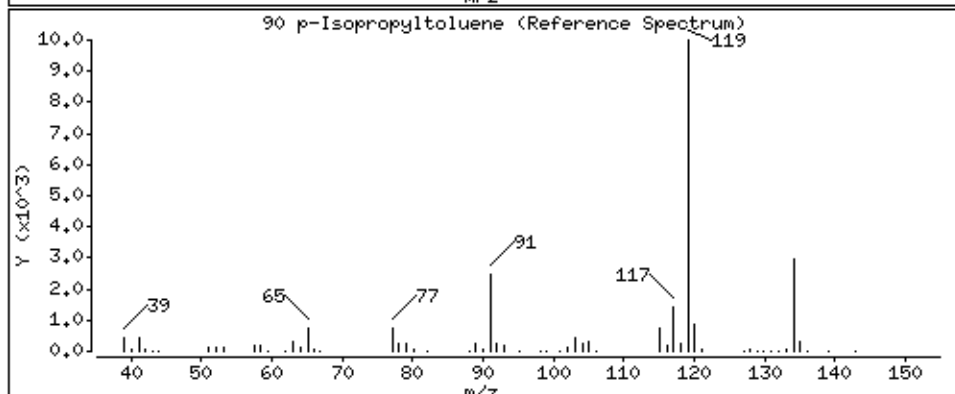
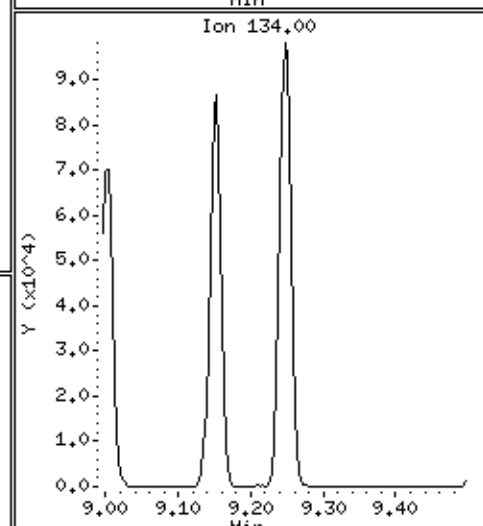
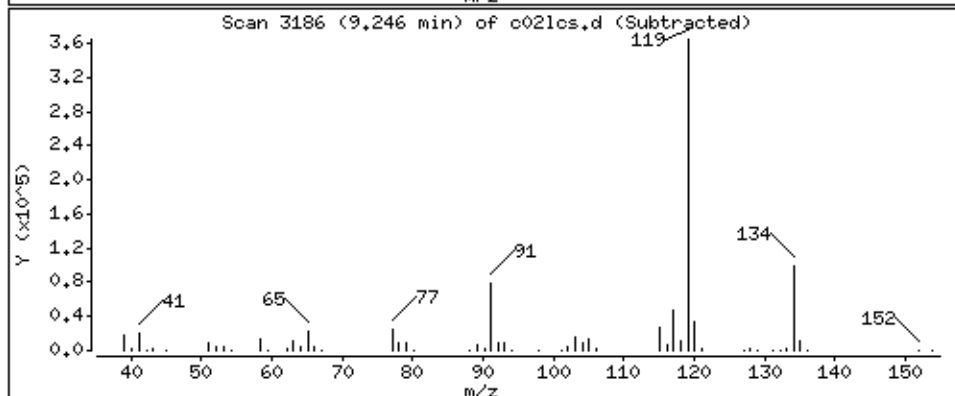
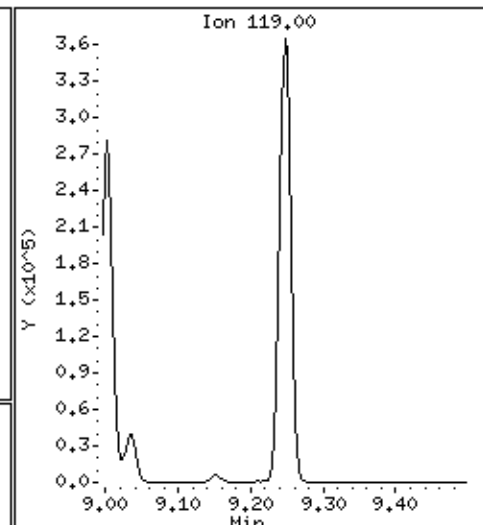
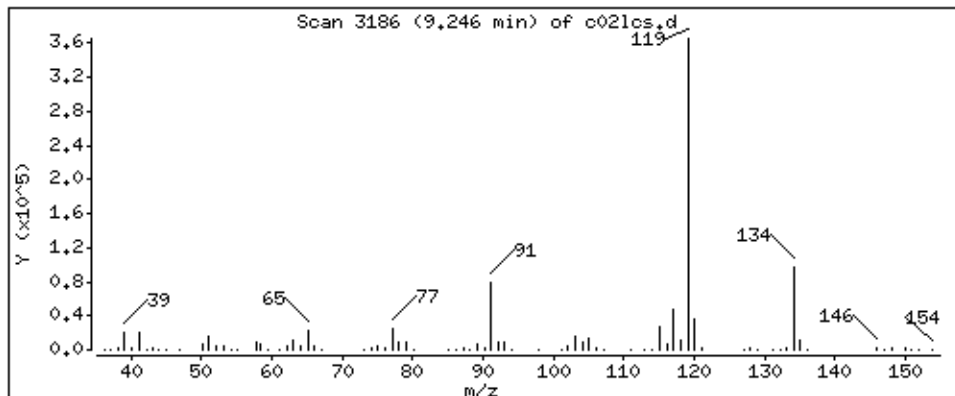
Operator: amv

Column phase: DB-624

Column diameter: 0,18

90 p-Isopropyltoluene

Concentration: 46,2 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mw2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

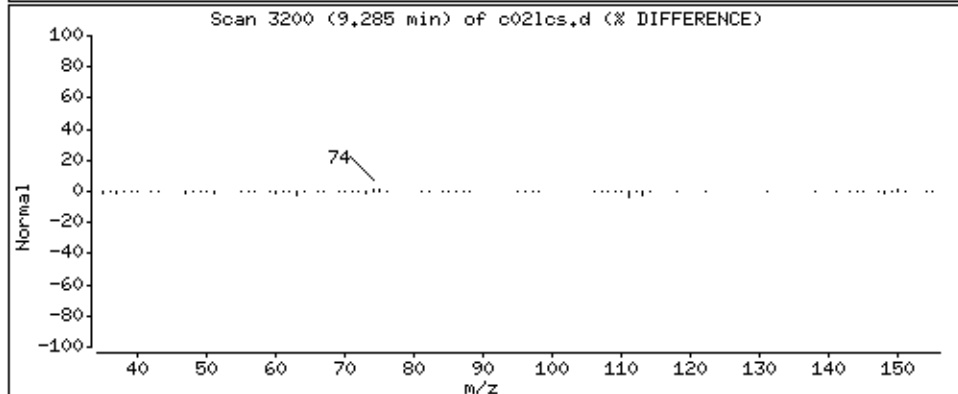
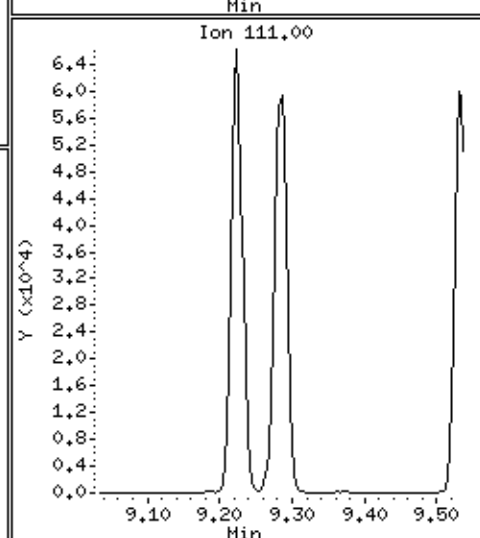
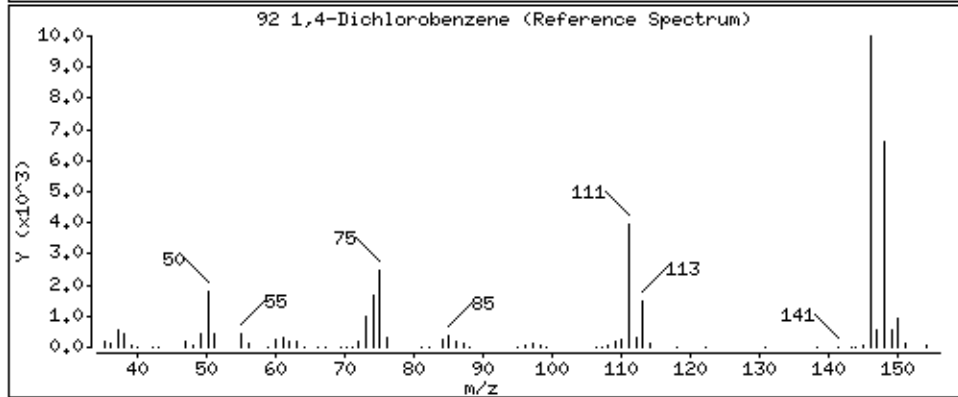
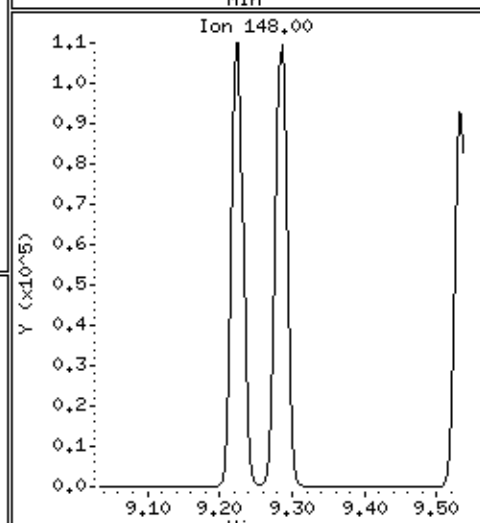
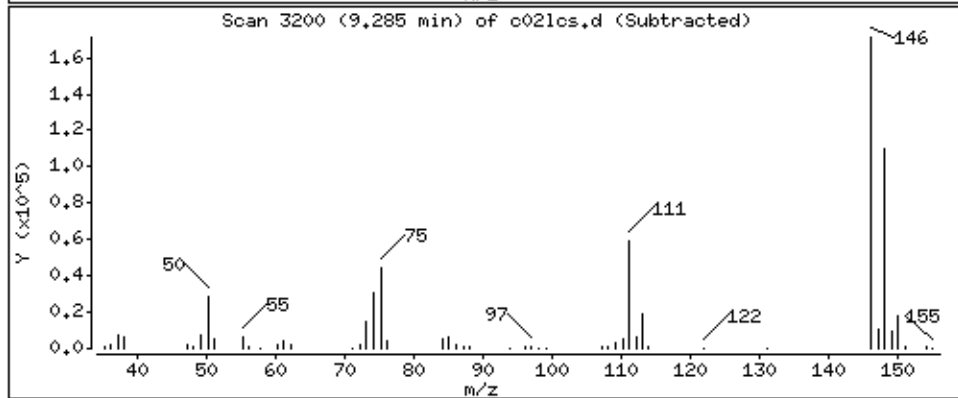
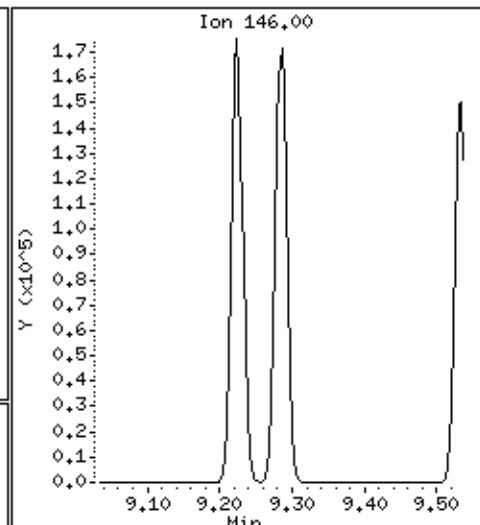
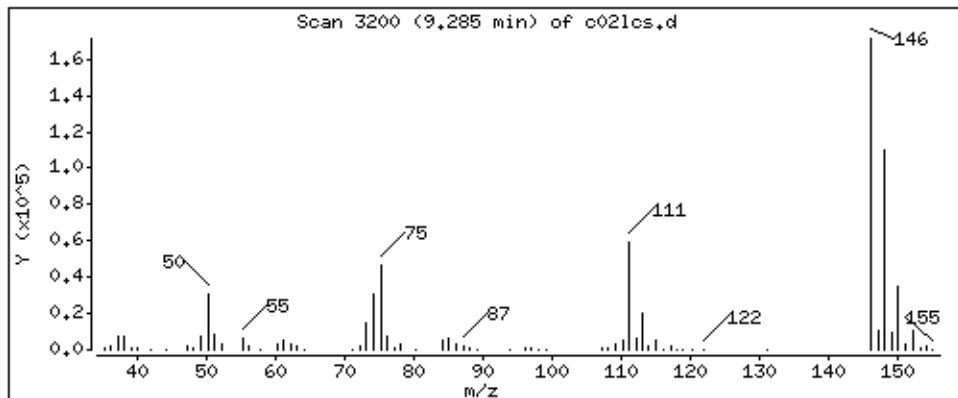
Operator: amv

Column phase: DB-624

Column diameter: 0,18

92 1,4-Dichlorobenzene

Concentration: 45,0 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

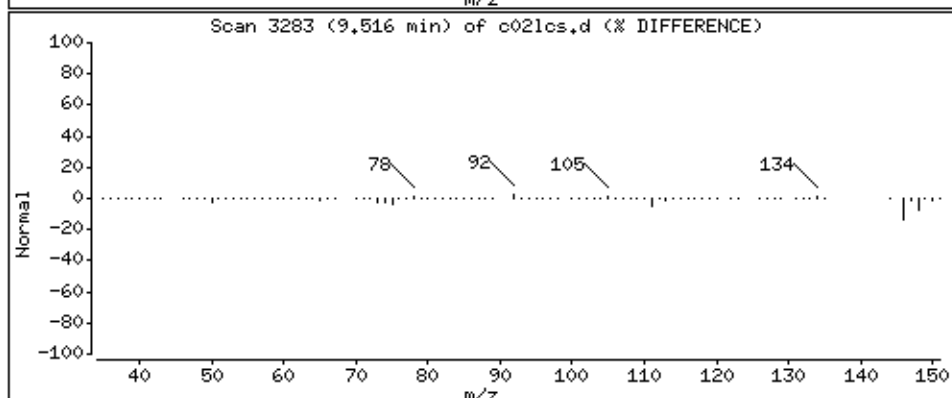
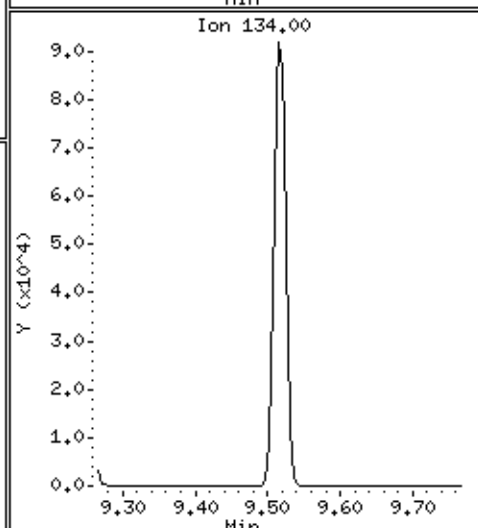
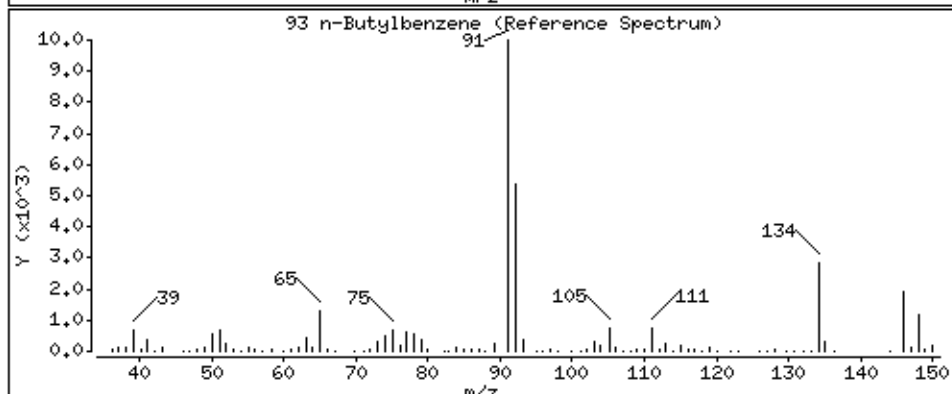
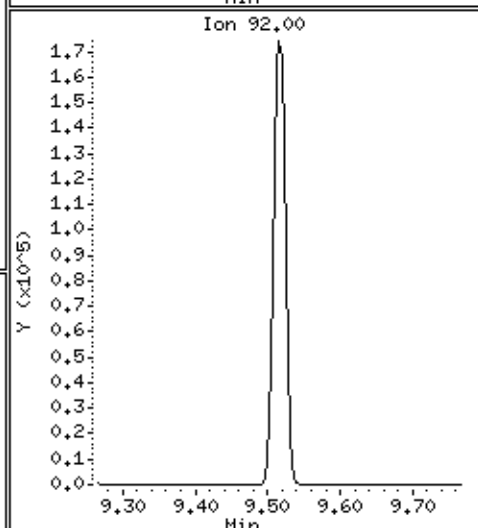
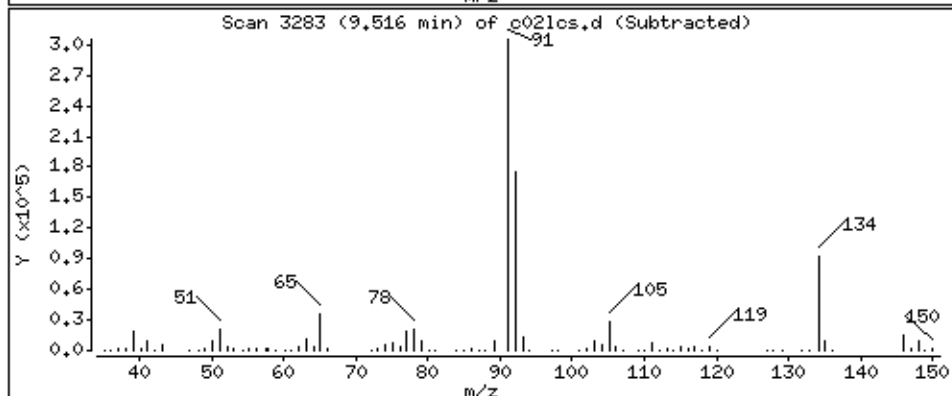
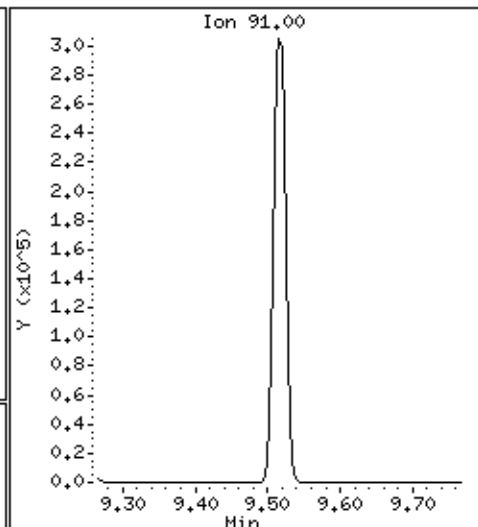
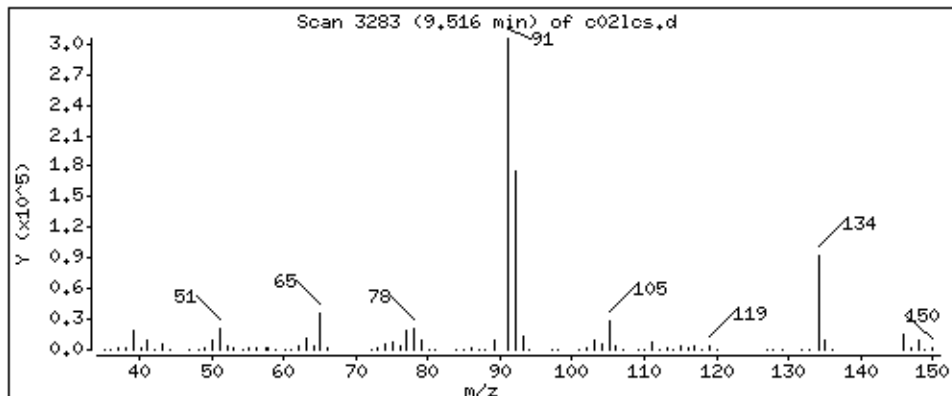
Operator: amv

Column phase: DB-624

Column diameter: 0,18

93 n-Butylbenzene

Concentration: 43,5 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

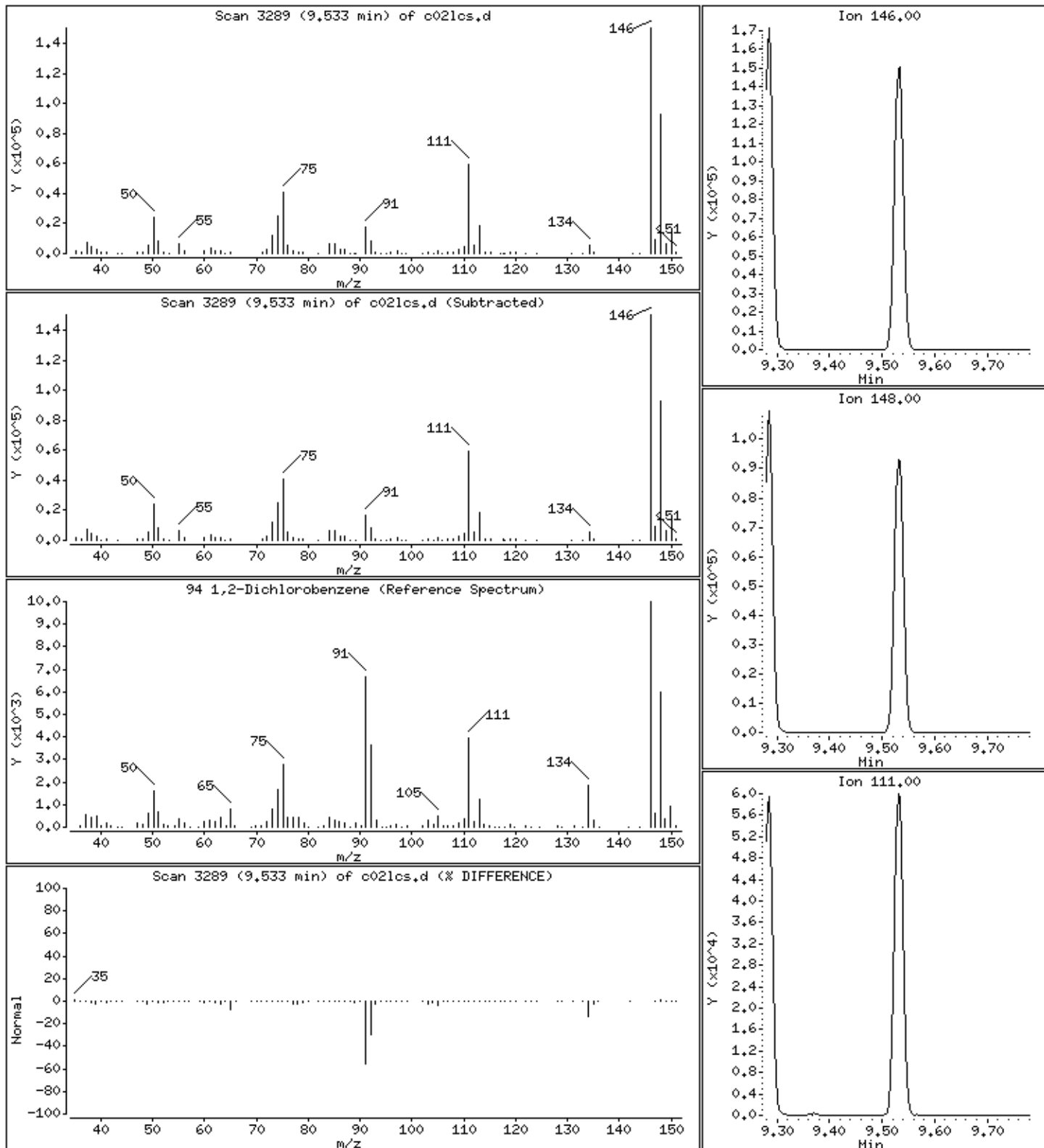
Operator: amv

Column phase: DB-624

Column diameter: 0,18

94 1,2-Dichlorobenzene

Concentration: 46,0 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

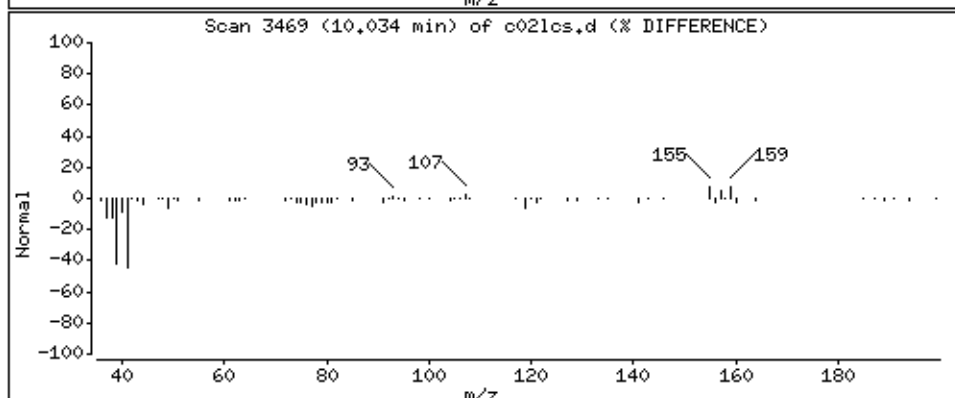
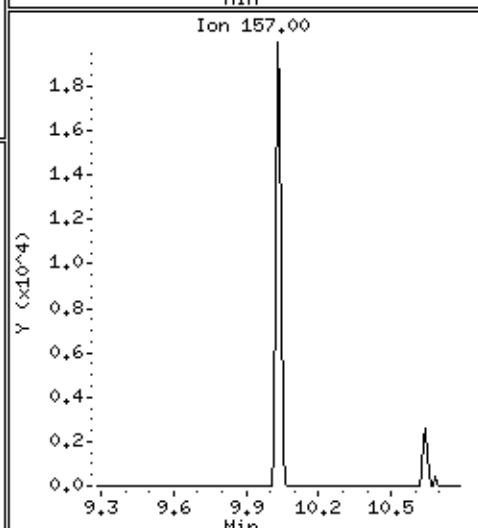
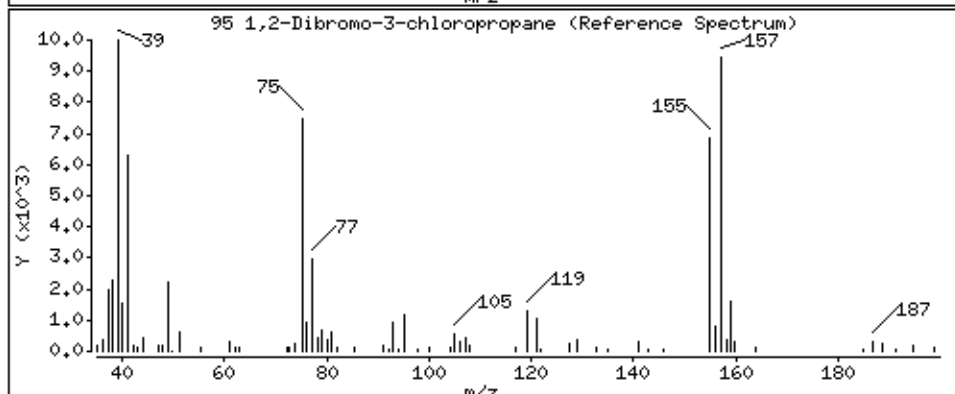
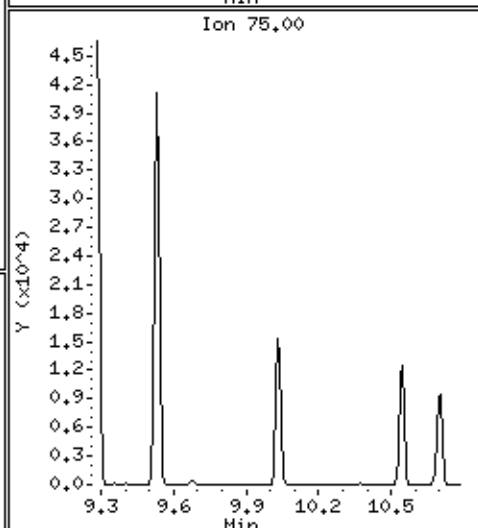
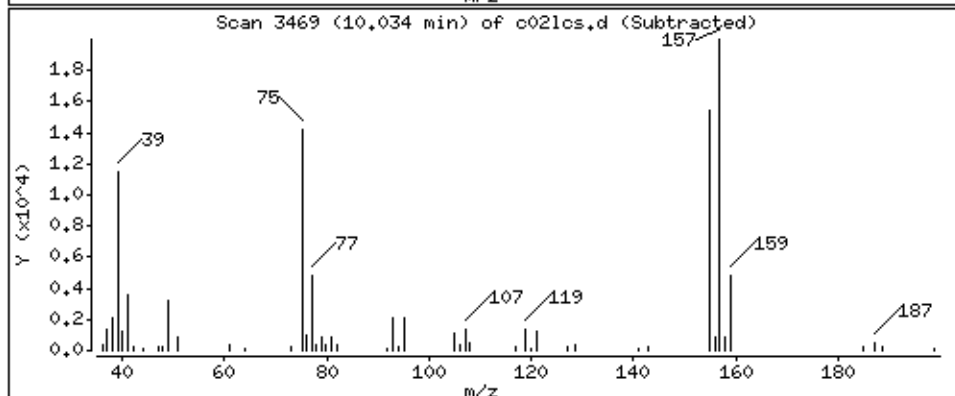
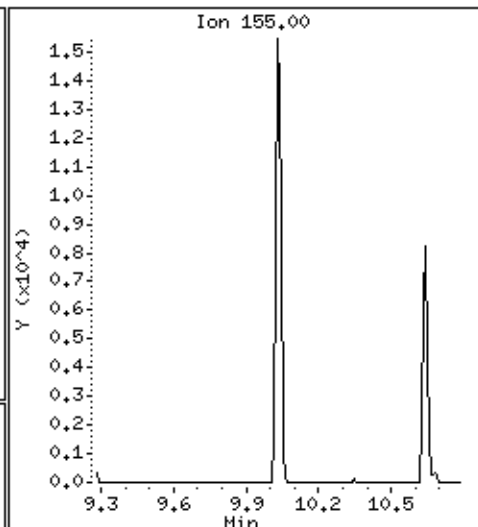
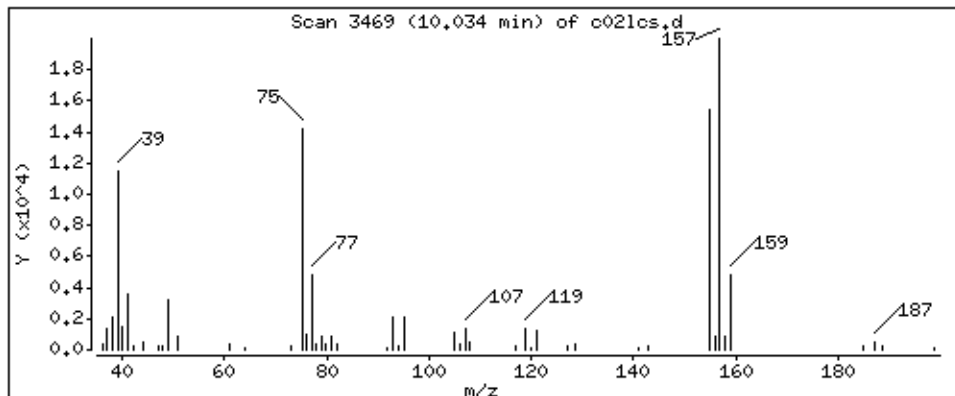
Operator: amv

Column phase: DB-624

Column diameter: 0,18

95 1,2-Dibromo-3-chloropropane

Concentration: 46,6 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314;5

Purge Volume: 5.0

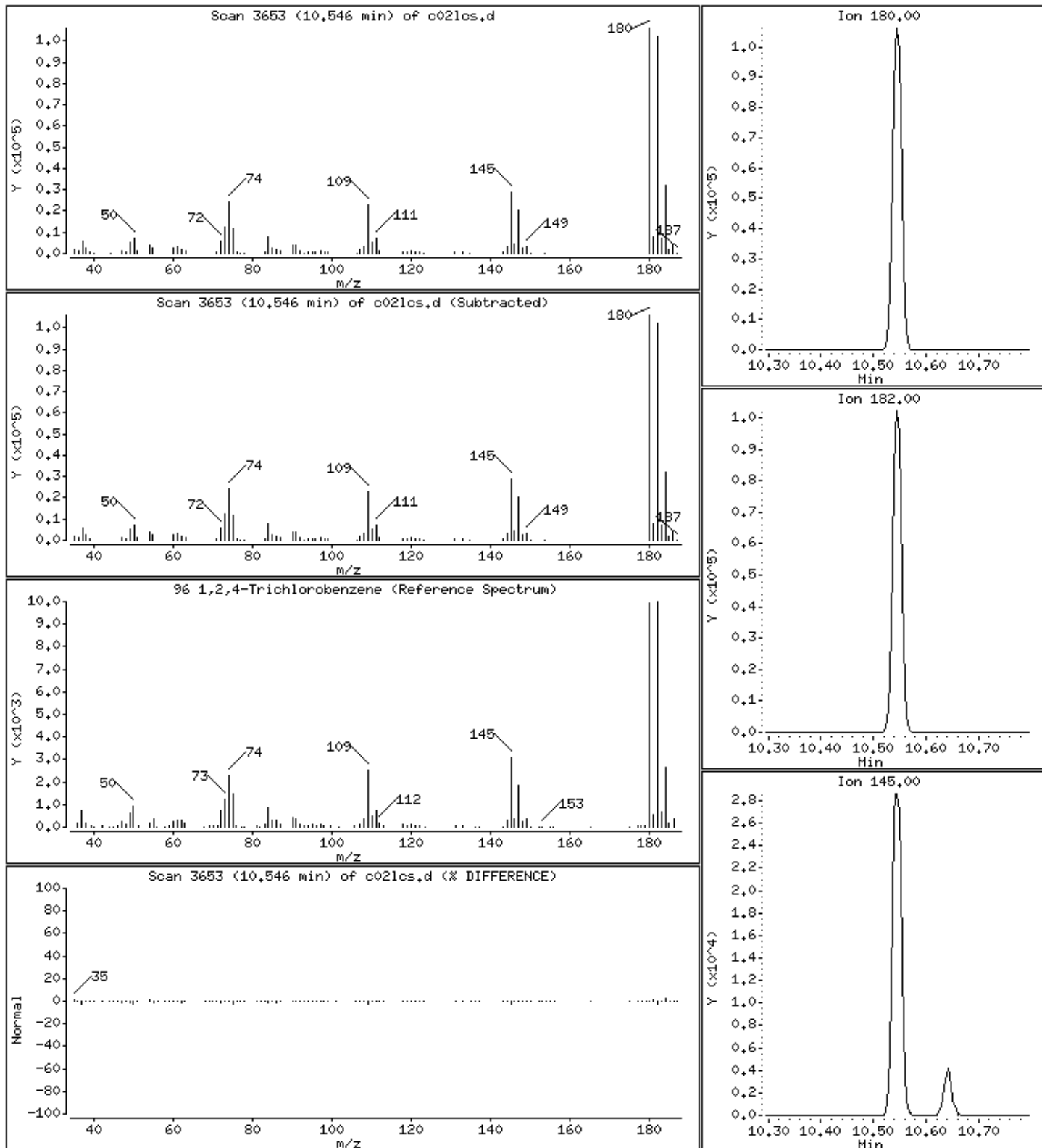
Operator: amv

Column phase: DB-624

Column diameter: 0,18

96 1,2,4-Trichlorobenzene

Concentration: 45,3 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314;5

Purge Volume: 5.0

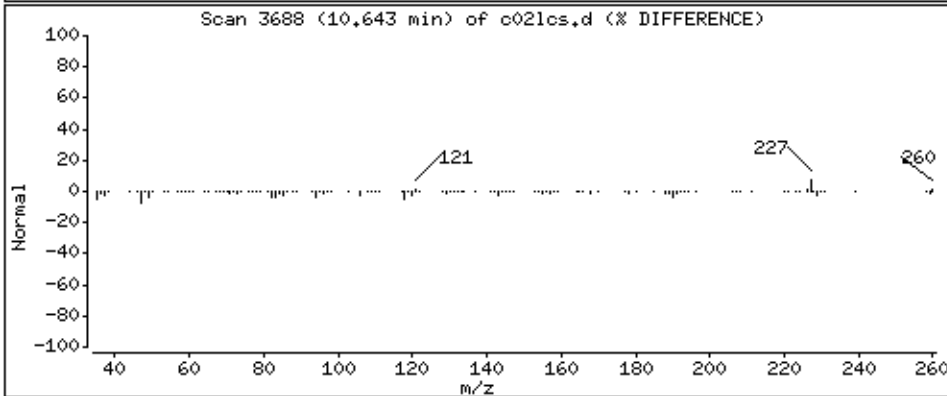
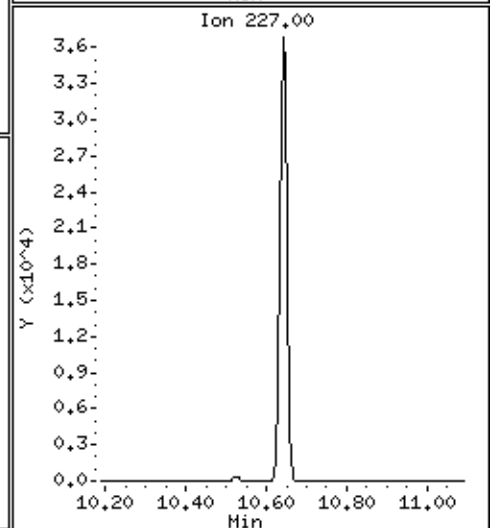
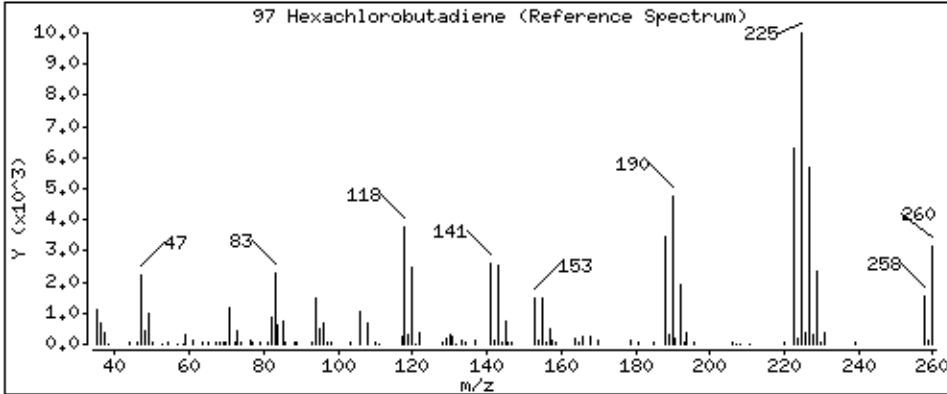
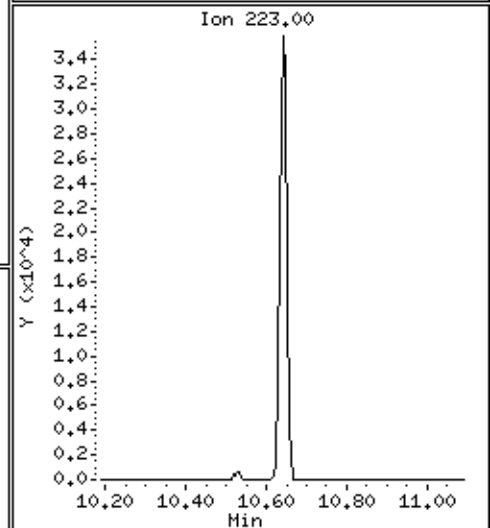
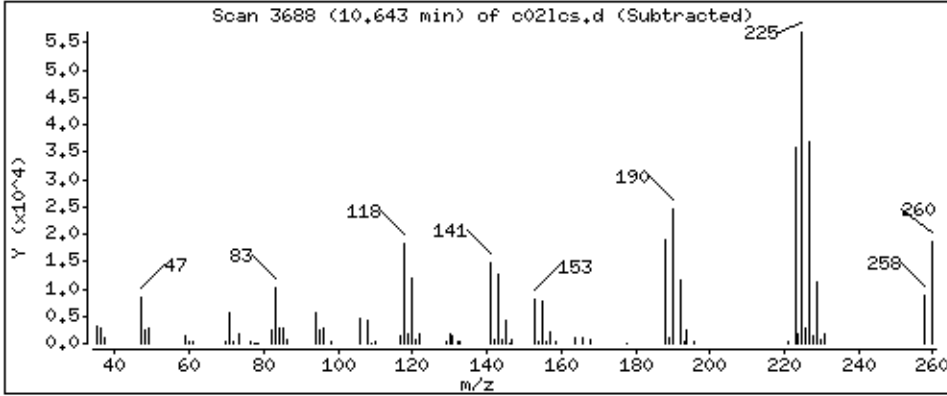
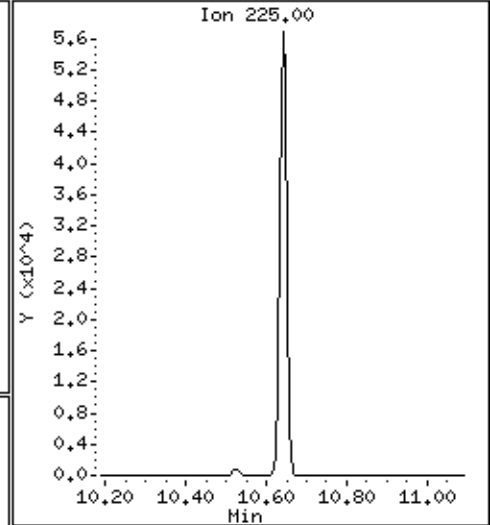
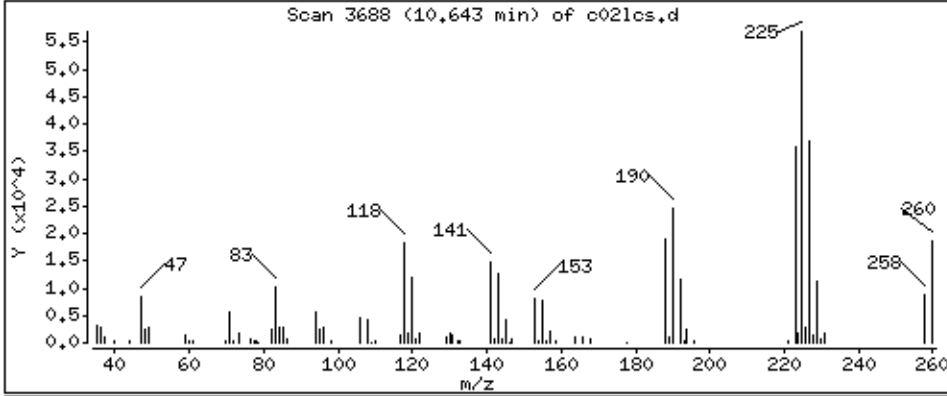
Operator: amv

Column phase: DB-624

Column diameter: 0,18

97 Hexachlorobutadiene

Concentration: 46,1 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314;5

Purge Volume: 5.0

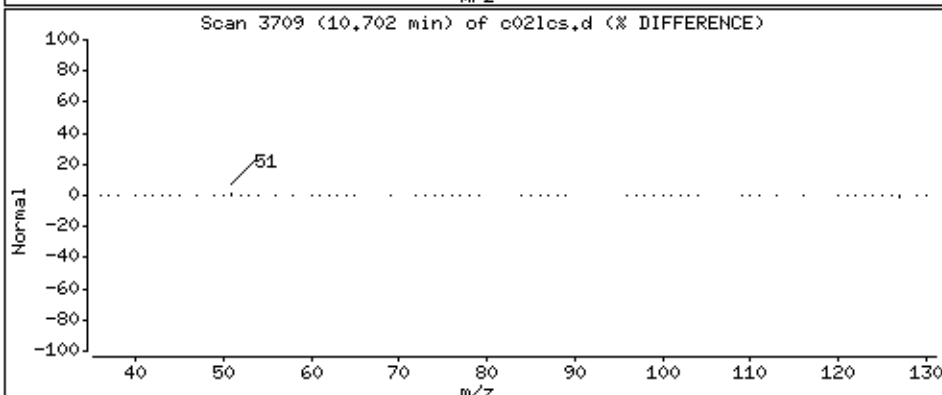
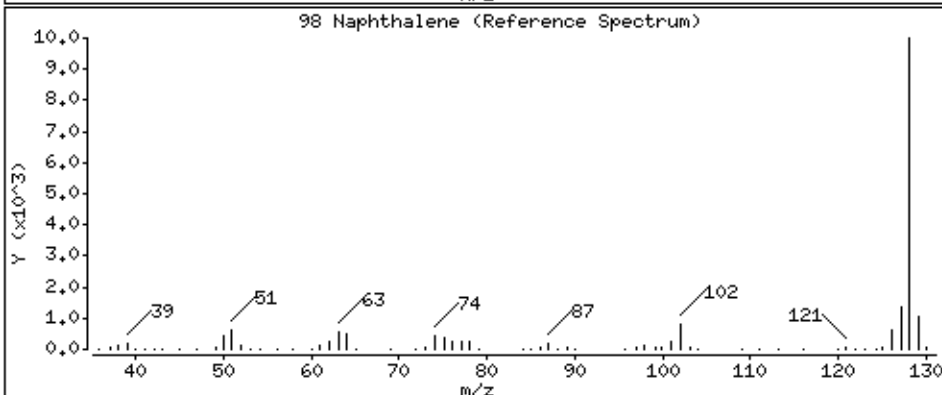
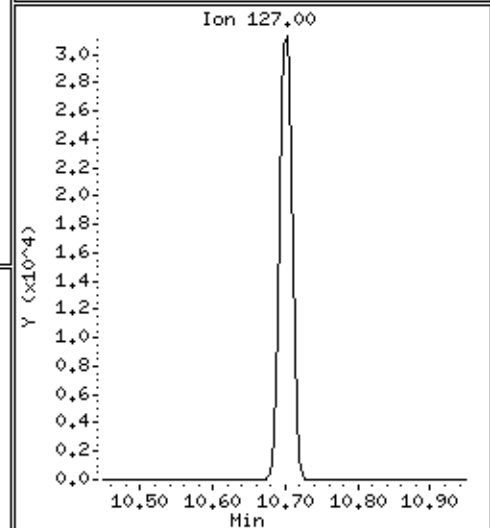
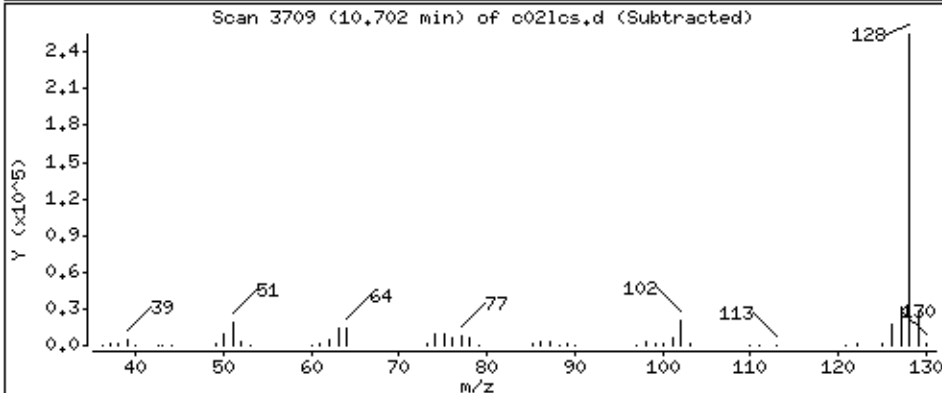
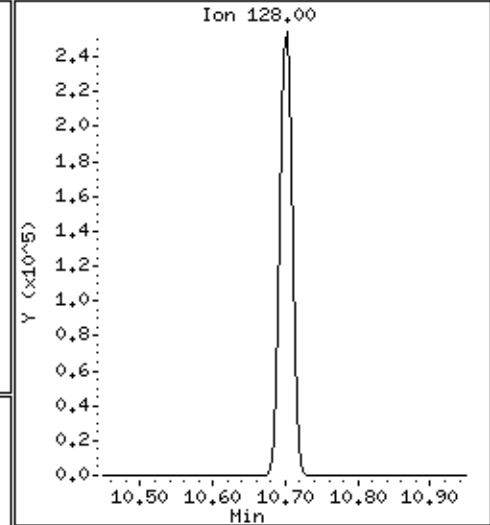
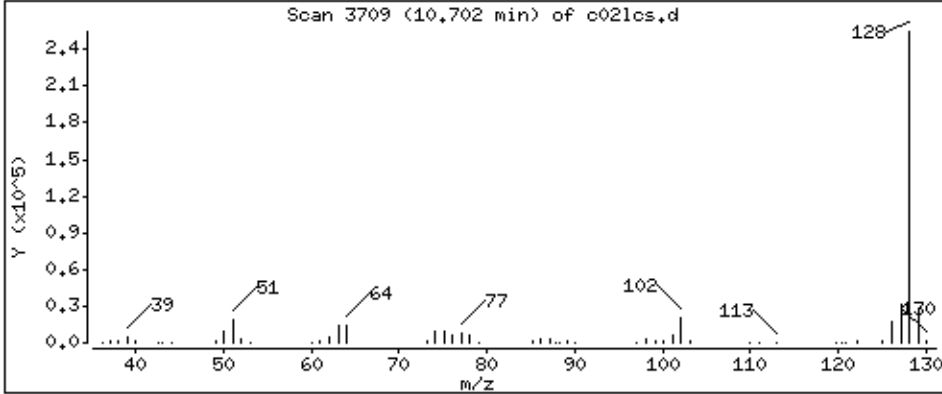
Operator: amv

Column phase: DB-624

Column diameter: 0,18

98 Naphthalene

Concentration: 47,0 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

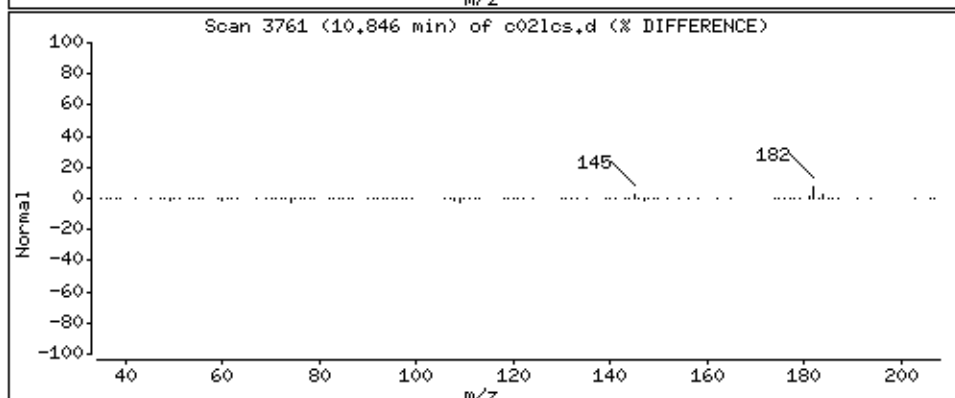
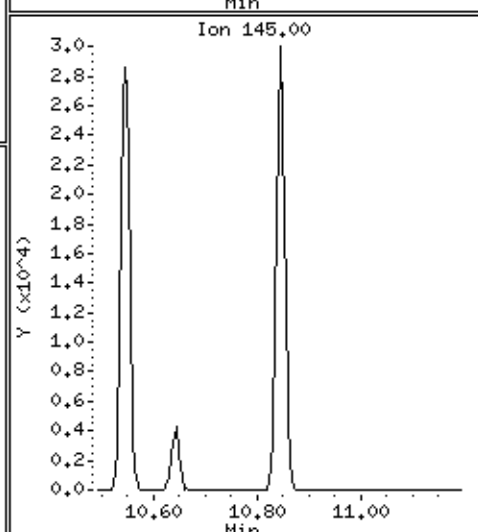
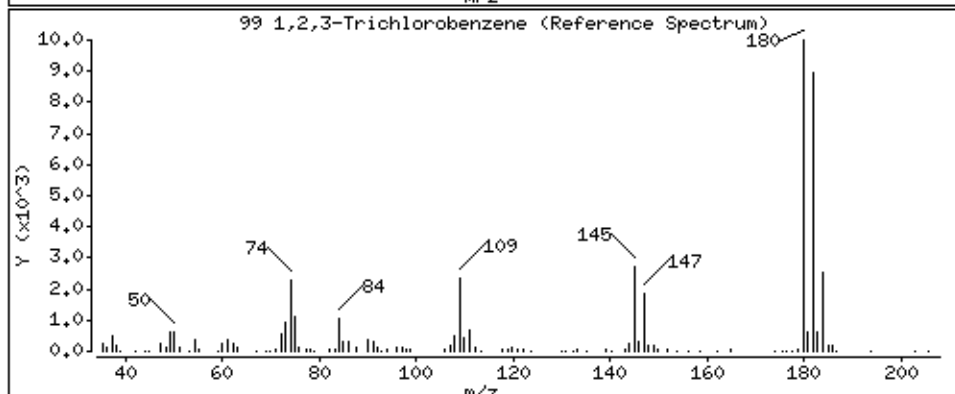
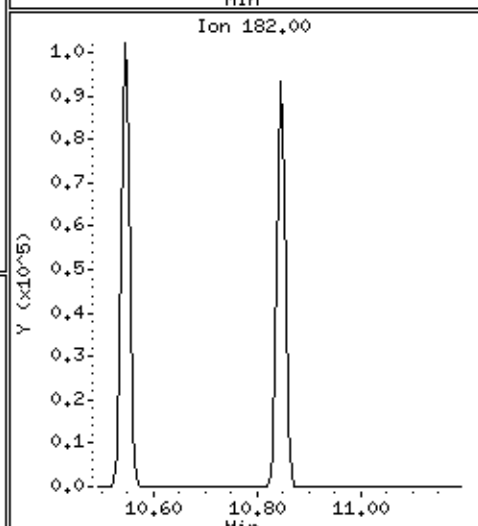
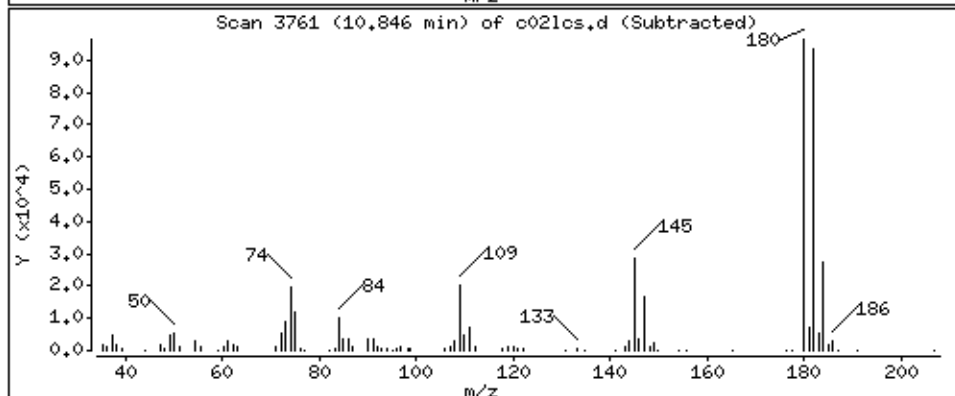
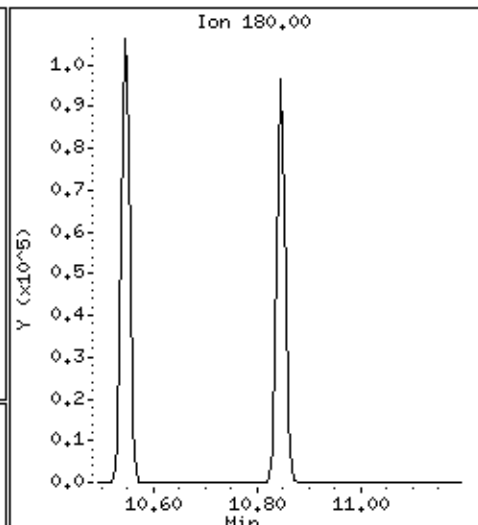
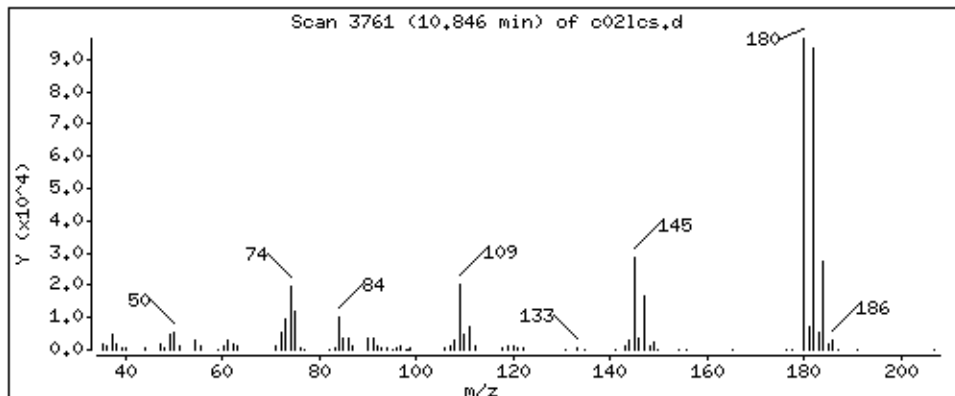
Operator: amv

Column phase: DB-624

Column diameter: 0,18

99 1,2,3-Trichlorobenzene

Concentration: 45,3 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mw2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

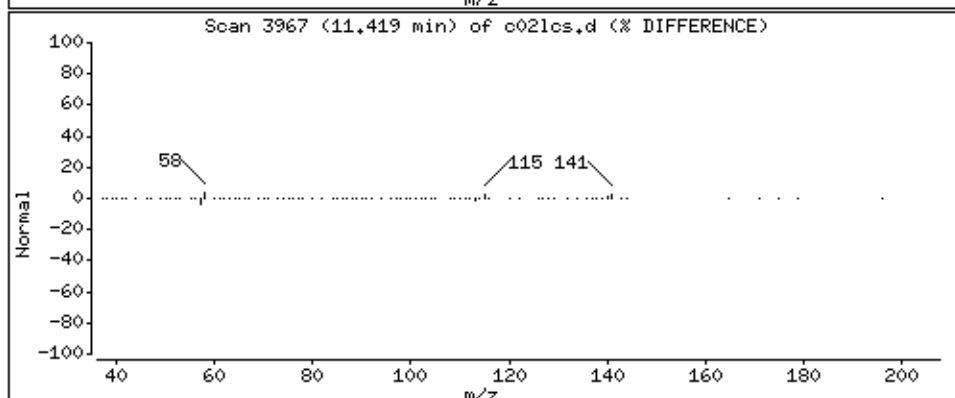
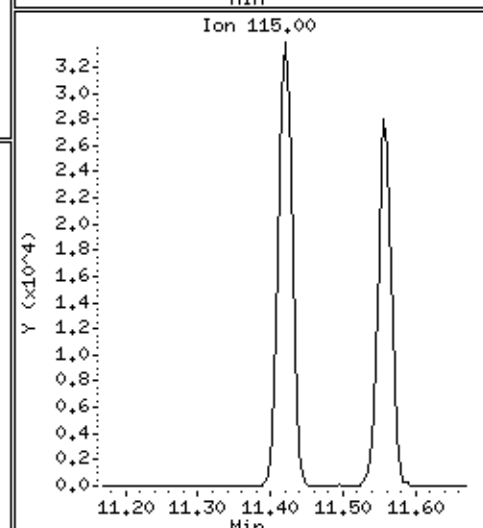
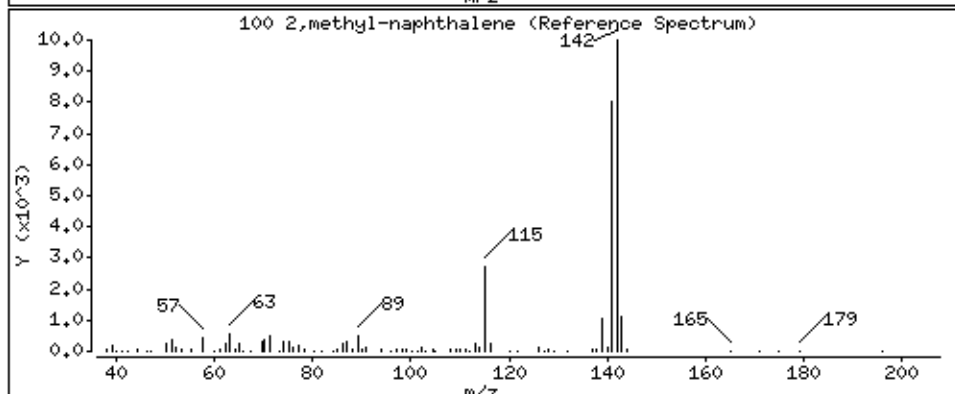
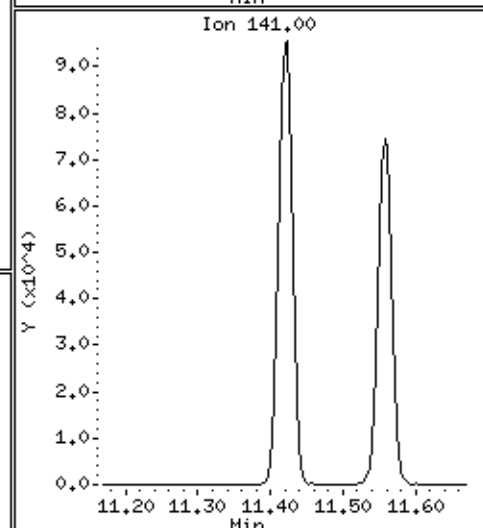
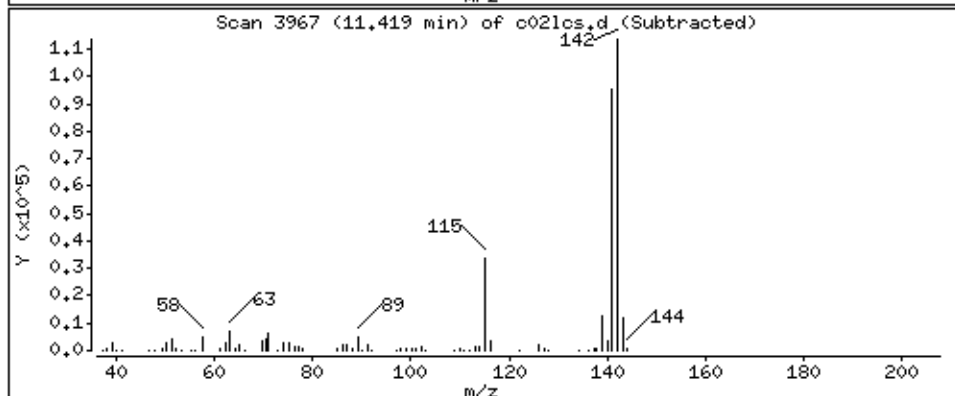
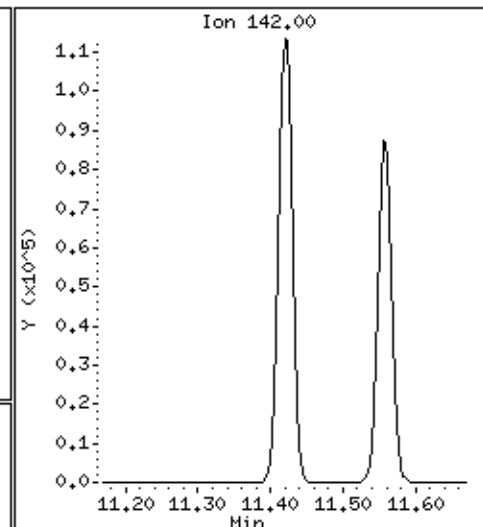
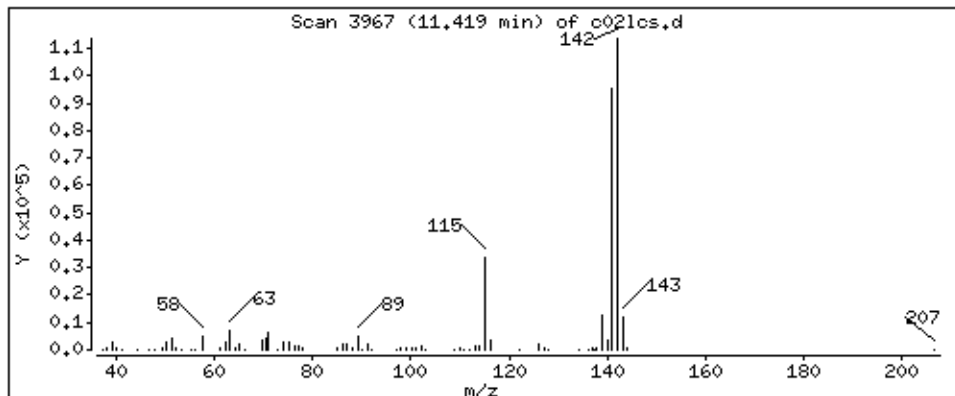
Operator: amv

Column phase: DB-624

Column diameter: 0,18

100 2,methyl-naphthalene

Concentration: 46.4 ppb



Date : 28-AUG-2018 22:18

Client ID: MBLCS

Instrument: 50mv2a.i

Sample Info: 2118712,184314:5

Purge Volume: 5.0

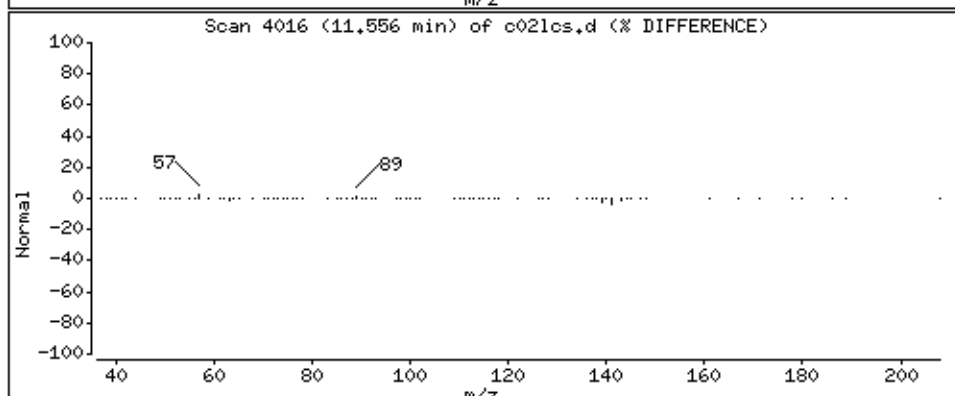
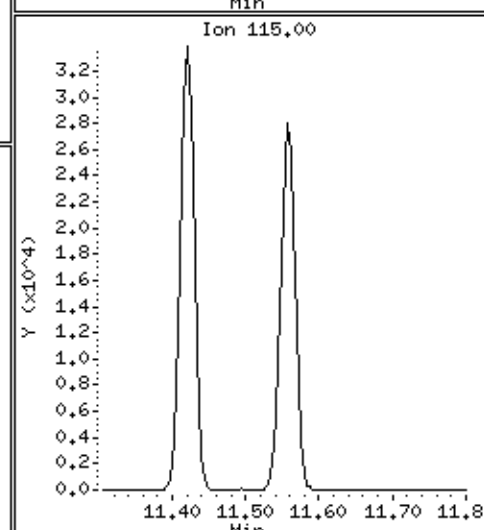
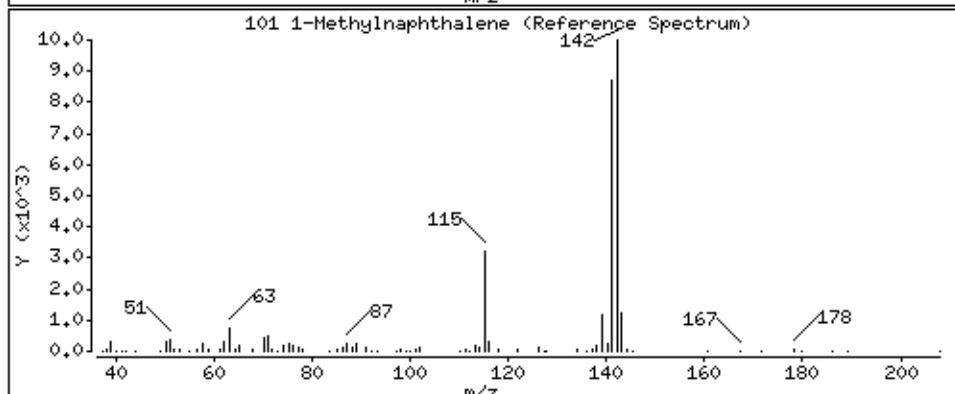
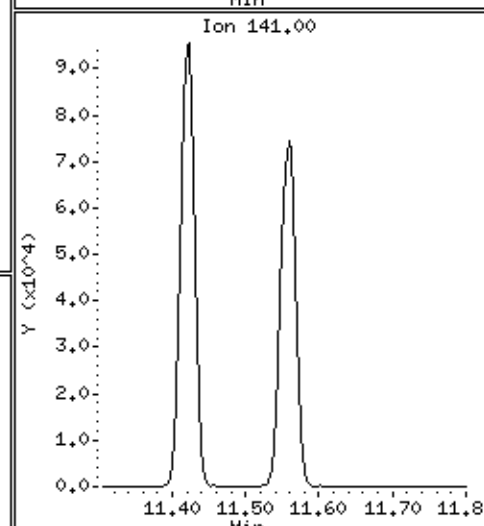
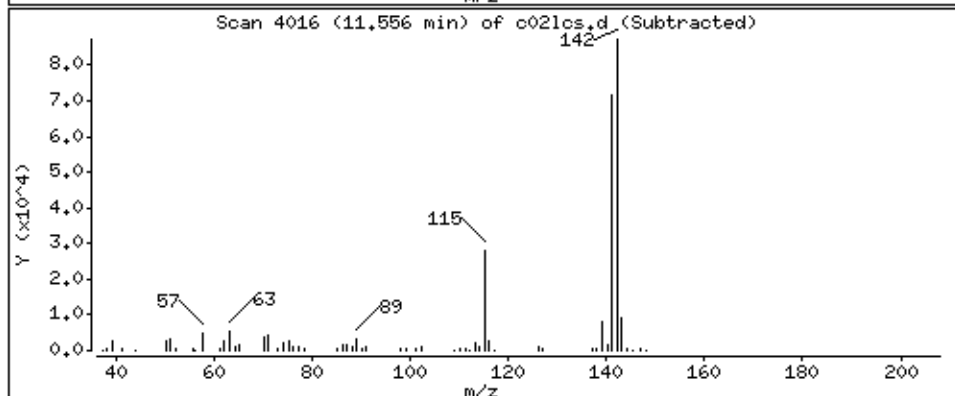
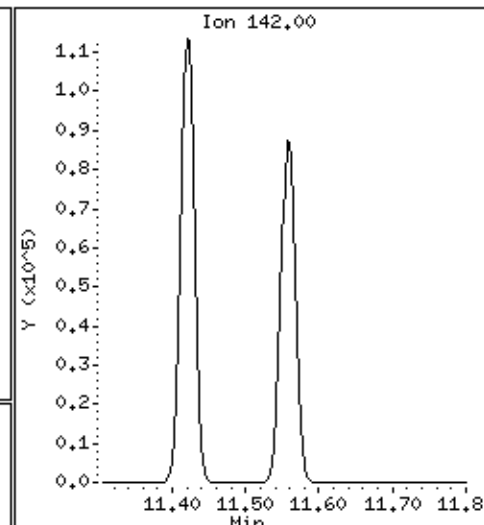
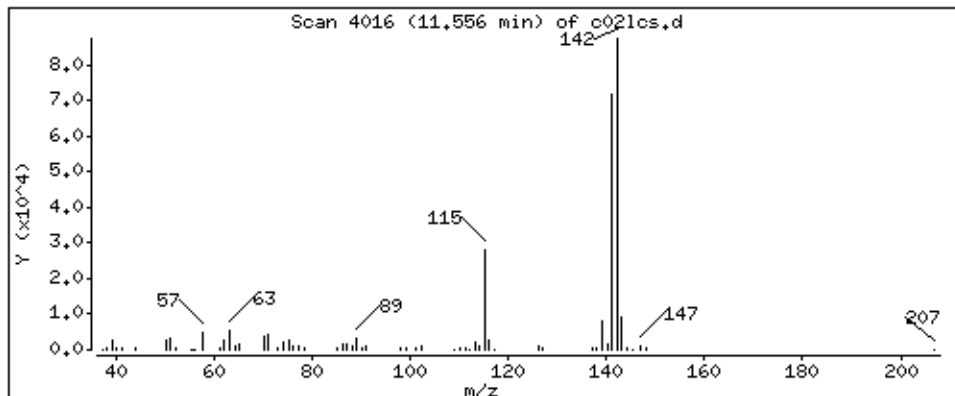
Operator: amv

Column phase: DB-624

Column diameter: 0.18

101 1-Methylnaphthalene

Concentration: 48.4 ppb



Data File: \\192.168.50.6\chem\50mv2a.i\082818.b\c021cs.d

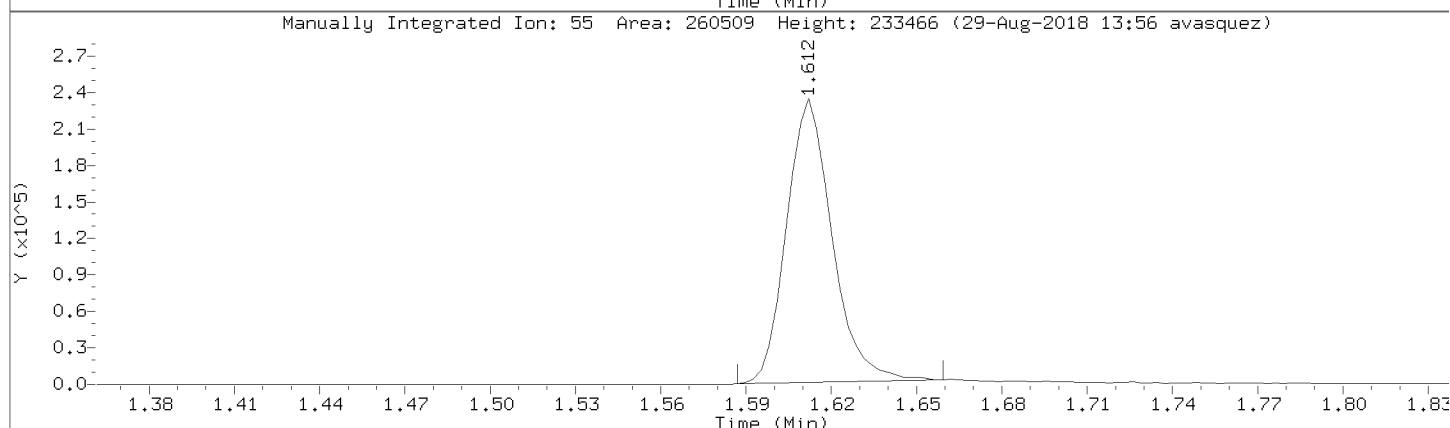
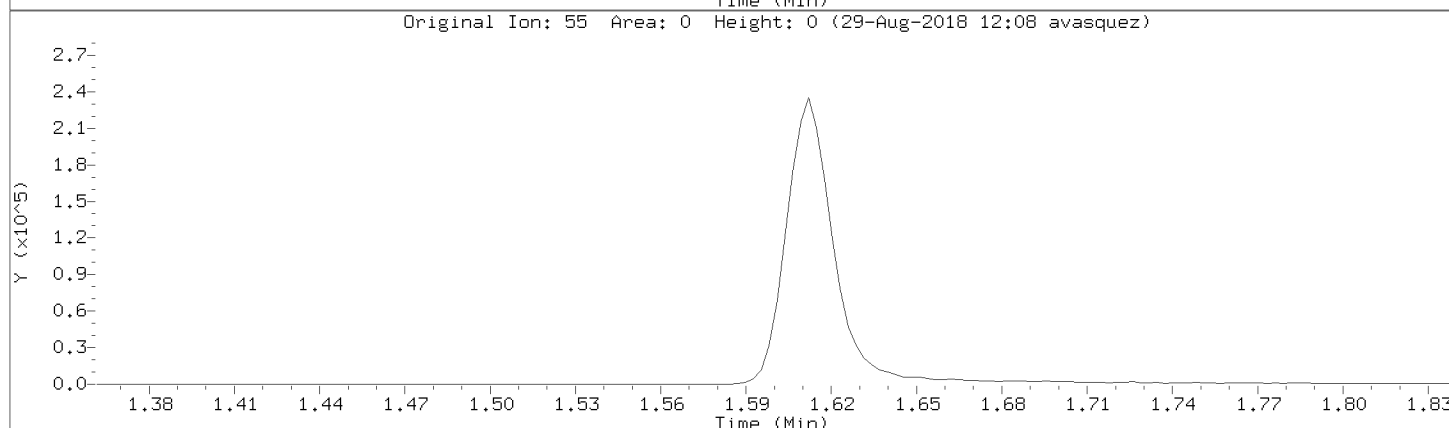
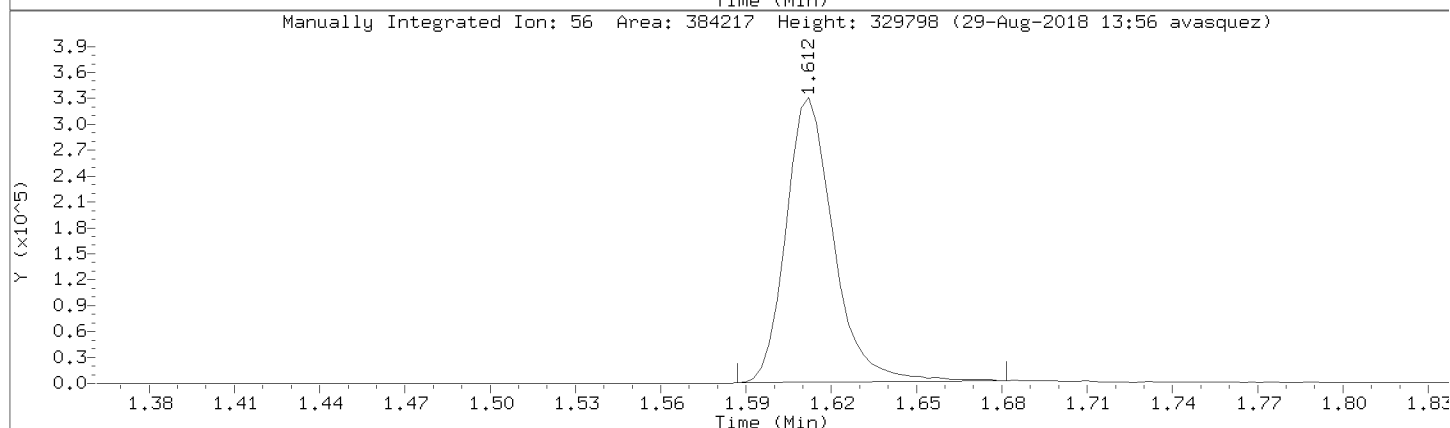
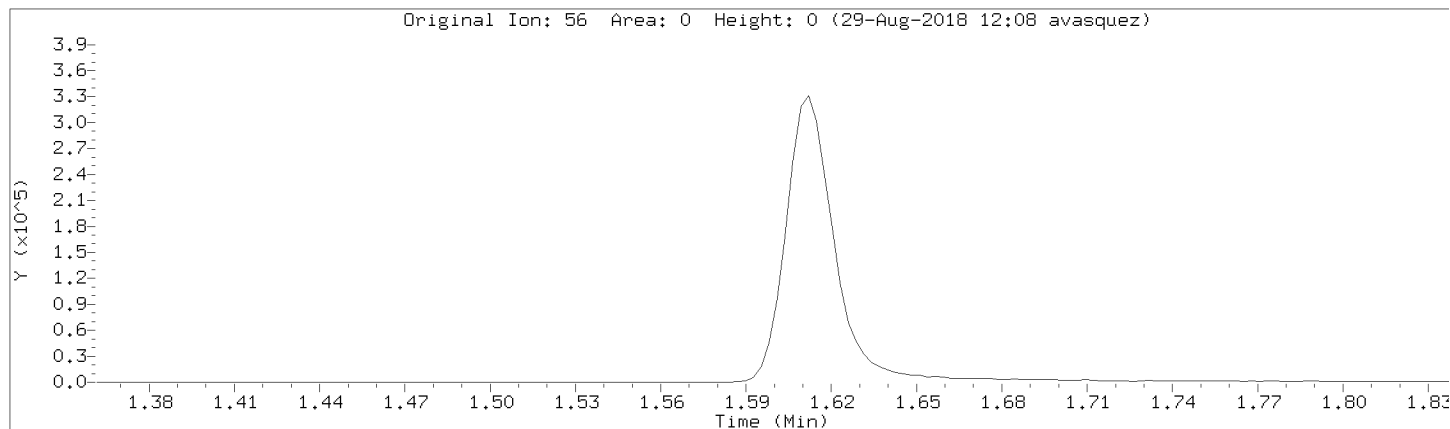
Injection Date: 28-AUG-2018 22:18

Instrument: 50mv2a.i

Lab Sample ID: 2118712

Compound: Acrolein Review Code: NI

CAS Number: 107-02-8



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

SAMPLE NO.

MS

Lab Name: Pace Analytical - Indiana
Date Received: 08/23/2018 15:40
Date Extracted: 08/29/2018 07:16
Date Analyzed: 08/29/2018 07:16
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA289-LA293
Matrix: Water SDG No.: 50204113
Lab Sample ID: 2118713
Lab File ID: A082818.B\C24.D
Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	213	
107-02-8	Acrolein	728	
71-43-2	Benzene	45.8	
75-27-4	Bromodichloromethane	42.6	
75-25-2	Bromoform	39.0	
74-83-9	Bromomethane	29.7	
78-93-3	2-Butanone (MEK)	229	
104-51-8	n-Butylbenzene	42.5	
135-98-8	sec-Butylbenzene	45.4	
98-06-6	tert-Butylbenzene	40.1	
75-15-0	Carbon disulfide	32.3	
56-23-5	Carbon tetrachloride	45.5	
108-90-7	Chlorobenzene	47.2	
75-00-3	Chloroethane	33.2	
67-66-3	Chloroform	41.9	
74-87-3	Chloromethane	9.4	
106-93-4	1,2-Dibromoethane (EDB)	47.0	
74-95-3	Dibromomethane	47.6	
95-50-1	1,2-Dichlorobenzene	45.8	
541-73-1	1,3-Dichlorobenzene	44.4	
106-46-7	1,4-Dichlorobenzene	44.1	
75-71-8	Dichlorodifluoromethane	1.7	J
75-34-3	1,1-Dichloroethane	44.5	
107-06-2	1,2-Dichloroethane	42.6	
75-35-4	1,1-Dichloroethene	38.6	
156-59-2	cis-1,2-Dichloroethene	43.9	
156-60-5	trans-1,2-Dichloroethene	43.0	
78-87-5	1,2-Dichloropropane	47.1	
10061-01-5	cis-1,3-Dichloropropene	41.5	
10061-02-6	trans-1,3-Dichloropropene	39.1	
100-41-4	Ethylbenzene	46.4	
591-78-6	2-Hexanone	188	
98-82-8	Isopropylbenzene (Cumene)	44.7	
99-87-6	p-Isopropyltoluene	46.4	
75-09-2	Methylene Chloride	43.7	
108-10-1	4-Methyl-2-pentanone (MIBK)	195	
1634-04-4	Methyl-tert-butyl ether	44.1	

08/30/2018 10:41

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

SAMPLE NO.

MS

Lab Name: Pace Analytical - Indiana
Date Received: 08/23/2018 15:40
Date Extracted: 08/29/2018 07:16
Date Analyzed: 08/29/2018 07:16
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA289-LA293
Matrix: Water SDG No.: 50204113
Lab Sample ID: 2118713
Lab File ID: A082818.B\C24.D
Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
91-20-3	Naphthalene	44.8	
103-65-1	n-Propylbenzene	45.5	
100-42-5	Styrene	46.5	
630-20-6	1,1,1,2-Tetrachloroethane	44.8	
79-34-5	1,1,2,2-Tetrachloroethane	40.0	
127-18-4	Tetrachloroethene	43.8	
108-88-3	Toluene	41.5	
120-82-1	1,2,4-Trichlorobenzene	44.1	
71-55-6	1,1,1-Trichloroethane	45.7	
79-00-5	1,1,2-Trichloroethane	46.6	
79-01-6	Trichloroethene	44.8	
75-69-4	Trichlorofluoromethane	33.4	
95-63-6	1,2,4-Trimethylbenzene	43.8	
108-67-8	1,3,5-Trimethylbenzene	43.3	
108-05-4	Vinyl acetate	14.2	J
75-01-4	Vinyl chloride	17.3	
179601-23-1	m&p-Xylene	89.1	
95-47-6	o-Xylene	46.5	

08/30/2018 10:41

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\082818.b\c24.d
 Lab Smp Id: 2118713 Client Smp ID: LA291MS
 Inj Date : 29-AUG-2018 07:16
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 2118713,184314:5
 Misc Info : 117690
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\082818.b\08260_a_c.m
 Meth Date : 29-Aug-2018 12:20 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 50 QC Sample: MS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A
 Processing Host: 50-VOA-AMV1

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 MASS	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ppb)	FINAL (ppb)	
1 Dichlorodifluoromethane	85		0.927	0.927	(0.213)	3961	1.72864	1.73 (R)	
2 Chloromethane	50		1.033	1.033	(0.237)	13716	9.38950	9.39 (R)	
3 Vinyl Chloride	62		1.069	1.069	(0.245)	34128	17.2715	17.3 (R)	
4 Bromomethane	94		1.230	1.228	(0.282)	18068	29.7108	29.7	
5 Chloroethane	64		1.278	1.275	(0.293)	33731	33.1511	33.2	
6 Trichlorofluoromethane	101		1.400	1.400	(0.321)	78430	33.4337	33.4 (R)	
7 Diethyl ether	74		1.539	1.539	(0.353)	38728	39.8022	39.8	
8 1,2-dichlorotrifluoroethane	67		1.536	1.534	(0.353)	84599	51.3089	51.3	
9 Acrolein	56		1.614	1.612	(0.371)	273051	727.850	728	
10 1,1,2trichlorotrifluoroethane	101		1.667	1.664	(0.383)	65234	42.9496	42.9	
11 1,1-Dichloroethene	96		1.673	1.673	(0.384)	59082	38.6396	38.6	
12 Acetone	43		1.692	1.692	(0.388)	92785	213.398	213	
13 Iodomethane	142		1.770	1.767	(0.406)	49725	28.8667	28.9 (R)	
14 Carbon Disulfide	76		1.815	1.815	(0.416)	146011	32.3050	32.3 (R)	
15 Methyl Acetate	43		1.692	1.692	(0.388)	92785	42.3427	42.3	
16 Acetonitrile	39		1.881	1.881	(0.432)	161908	33.2844	33.3	
17 allyl chloride	41		1.881	1.879	(0.432)	258026	80.4892	80.5	
18 Methylene Chloride	84		1.957	1.957	(0.449)	64996	43.6715	43.7	
19 tert-Butyl Alcohol	59		2.004	2.001	(0.460)	10717	77.7208	77.7	
20 Acrylonitrile	53		2.115	2.112	(0.485)	116882	170.905	171	
21 Methyl-tert-butyl ether	73		2.132	2.132	(0.489)	207403	44.1163	44.1	
22 1,2-Dichloroethene (trans)	96		2.140	2.140	(0.491)	72095	43.0194	43.0	

Compounds	QUANT SIG	CONCENTRATIONS						REVIEW C
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb)	
23 n-Hexane	57	2.335	2.332	(0.536)	111187	33.9981	34.0	
24 Vinyl Acetate	43	2.332	2.482	(0.535)	73714	14.1621	14.2 (R)	
25 1,1-Dichloroethane	63	2.455	2.452	(0.563)	141450	44.4793	44.5	
26 Chloroprene	53	2.527	2.527	(0.580)	151135	41.8403	41.8	
27 Ethyl acetate	88	2.530	2.527	(0.581)	68259	373.184	373 (Q)	
28 2-Butanone	72	2.986	2.980	(0.685)	35135	228.566	228 (Q)	
29 1,2-Dichloroethene (cis)	96	2.969	2.969	(0.681)	81375	43.9338	43.9	
30 2,2-Dichloropropane	77	2.969	2.967	(0.681)	89338	32.4933	32.5	
31 Propionitrile	54	3.044	3.047	(0.699)	9078	40.4321	40.4	
32 Methacrylonitrile	41	3.209	3.211	(0.736)	217076	176.900	177	
33 Bromochloromethane	49	3.220	3.217	(0.739)	63799	43.3190	43.3	
34 Tetrahydrofuran	42	3.273	3.270	(0.751)	25934	43.7687	43.8	
35 Chloroform	83	3.309	3.309	(0.759)	132560	41.8883	41.9	
\$ 36 Dibromofluoromethane (S)	113	3.498	3.501	(0.803)	74380	49.2970	49.3	
37 1,1,1-Trichloroethane	97	3.526	3.520	(0.809)	124890	45.6906	45.7 (M)	NI
38 cyclohexane	56	3.590	3.587	(0.824)	131599	35.1459	35.1	
150 n-butyl chloride	56	3.590	3.587	(0.824)	131602	29.5628	29.6	
39 Carbon Tetrachloride	117	3.726	3.726	(0.855)	111440	45.4726	45.5	
40 1,1-Dichloropropene	75	3.734	3.734	(0.857)	104594	45.3527	45.4	
41 Benzene	78	3.999	4.002	(0.918)	300991	45.8140	45.8	
42 1,2-Dichloroethane	62	4.032	4.029	(0.925)	102601	42.5660	42.6	
44 Isobutyl alcohol	43	3.938	3.932	(0.904)	13500	260.954	261	
* 45 Fluorobenzene	96	4.358	4.360	(1.000)	337840	50.0000		
47 Trichloroethene	95	4.803	4.803	(1.102)	80181	44.7901	44.8	
48 Methylcyclohexane	55	5.017	5.020	(1.151)	122943	39.0145	39.0	
49 1,2-Dichloropropane	63	5.070	5.067	(1.163)	82098	47.0892	47.1	
50 1,4-Dioxane	88	5.245	5.245	(1.204)	3269	621.851	622	
51 Dibromomethane	93	5.201	5.198	(1.193)	43541	47.6130	47.6	
52 Methyl methacrylate	69	5.248	5.245	(1.204)	53389	40.5040	40.5	
53 Bromodichloromethane	83	5.395	5.398	(1.238)	101936	42.6389	42.6	
55 cis-1,3-Dichloropropene	75	5.905	5.905	(0.783)	122108	41.4974	41.5	
56 4-Methyl-2-Pentanone	43	6.097	6.097	(0.809)	443094	194.515	194 (R)	
\$ 57 Toluene-d8	98	6.188	6.188	(0.821)	317014	46.8637	46.9	
58 Toluene	91	6.258	6.261	(0.830)	345403	41.5221	41.5	
59 trans-1,3-Dichloropropene	75	6.514	6.514	(0.864)	107906	39.1403	39.1	
60 Ethyl Methacrylate	69	6.634	6.631	(0.880)	429181	167.617	168	
61 1,1,2-Trichloroethane	83	6.689	6.686	(0.887)	56734	46.5569	46.6	
62 Tetrachloroethene	166	6.800	6.806	(0.902)	97780	43.7809	43.8	
63 1,3-Dichloropropane	76	6.845	6.842	(0.908)	123514	45.5391	45.5	
64 2-Hexanone	43	6.945	6.948	(0.921)	301539	187.665	188	
65 Dibromochloromethane	129	7.045	7.045	(0.934)	81078	44.5521	44.6	
66 1,2-Dibromoethane	107	7.134	7.134	(0.946)	71297	46.9874	47.0	
* 67 Chlorobenzene-d5	117	7.541	7.541	(1.000)	276676	50.0000		
68 Chlorobenzene	112	7.566	7.566	(1.003)	226679	47.1654	47.2	
69 1,1,1,2-Tetrachloroethane	131	7.638	7.641	(1.013)	83366	44.7982	44.8	
70 Ethylbenzene	106	7.666	7.666	(1.017)	129676	46.3569	46.4	
71 m&p-Xylene	106	7.763	7.763	(1.030)	310145	89.1434	89.1	
72 o-Xylene	106	8.069	8.069	(1.070)	147814	46.4903	46.5	
73 Styrene	104	8.083	8.083	(1.072)	251112	46.4580	46.4	
74 Bromoform	173	8.219	8.219	(0.887)	51161	38.9774	39.0	
75 Isopropylbenzene	105	8.353	8.353	(1.108)	406633	44.6613	44.7	
\$ 76 4-Bromofluorobenzene	95	8.461	8.461	(1.122)	128836	49.7525	49.8	
77 n-amyl acetate	70	8.239	8.242	(1.093)	170934	131.239	131	
78 Bromobenzene	77	8.564	8.564	(1.136)	141381	44.4416	44.4	

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)	83848	40.0089	40.0	
80 trans-1,4-Dichloro-2-butene	53	8.617	8.617	(1.143)	87999	118.156	118 (Q)	
81 1,2,3-Trichloropropane	110	8.603	8.603	(0.928)	27284	41.5640	41.6 (Q)	
82 n-Propylbenzene	91	8.651	8.651	(0.933)	474450	45.4576	45.4	
83 2-Chlorotoluene	91	8.709	8.709	(0.940)	269087	47.1035	47.1	
84 1,3,5-Trimethylbenzene	105	8.776	8.776	(0.947)	312123	43.3007	43.3	
85 4-Chlorotoluene	126	8.787	8.787	(0.948)	91965	46.2390	46.2	
86 tert-Butylbenzene	119	9.001	9.001	(0.971)	335536	40.0855	40.1	
87 1,2,4-Trimethylbenzene	105	9.032	9.035	(0.974)	315735	43.7949	43.8	
88 sec-Butylbenzene	105	9.151	9.149	(0.987)	422630	45.3992	45.4	
89 1,3-Dichlorobenzene	146	9.224	9.224	(0.995)	174221	44.3799	44.4	
90 p-Isopropyltoluene	119	9.246	9.246	(0.998)	361364	46.3629	46.4	
* 91 1,4-Dichlorobenzene-d4	152	9.268	9.268	(1.000)	145016	50.0000		
92 1,4-Dichlorobenzene	146	9.285	9.285	(1.002)	173916	44.0641	44.1	
93 n-Butylbenzene	91	9.516	9.516	(1.027)	311748	42.4984	42.5	
94 1,2-Dichlorobenzene	146	9.530	9.530	(1.028)	160553	45.7690	45.8	
95 1,2-Dibromo-3-chloropropane	155	10.033	10.033	(1.083)	15346	43.3128	43.3	
96 1,2,4-Trichlorobenzene	180	10.545	10.545	(1.138)	110980	44.0703	44.1	
97 Hexachlorobutadiene	225	10.643	10.640	(1.148)	58863	45.1183	45.1	
98 Naphthalene	128	10.698	10.698	(1.154)	262104	44.8229	44.8	
99 1,2,3-Trichlorobenzene	180	10.846	10.843	(1.170)	101085	44.6735	44.7	
100 2-methyl-naphthalene	142	11.419	11.419	(1.232)	131990	43.9586	44.0	
101 1-Methylnaphthalene	142	11.558	11.555	(1.247)	110490	45.6970	45.7	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
 R - Spike/Surrogate failed recovery limits.
 M - Compound response manually integrated.

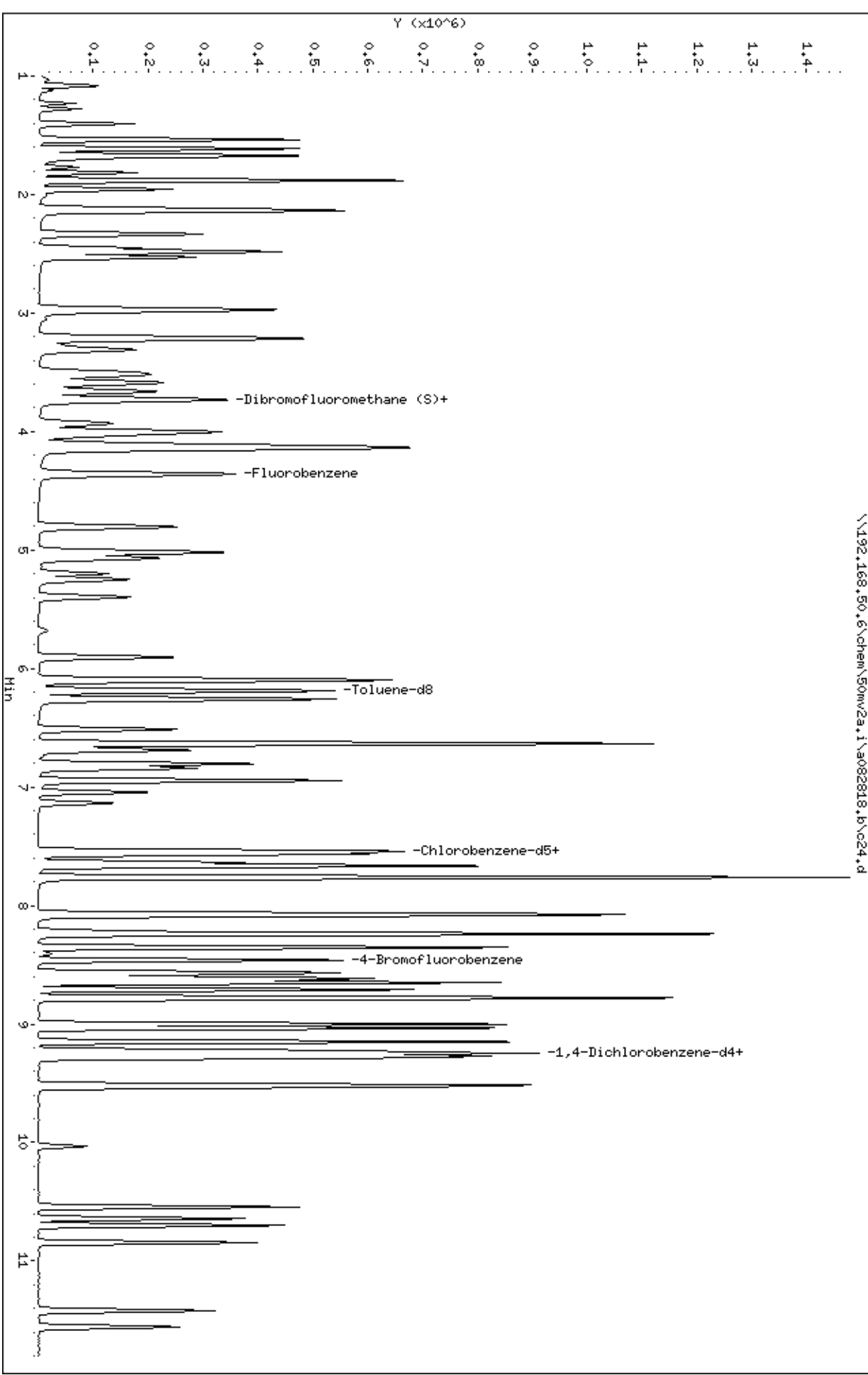
Review Codes Legend

:
 NI: Indicates that the peak was not integrated at all by the computer software.

Data File: \\192.168.50.6\chem\50mw2a.i\9082818.b\c24.d
Date: 29-AUG-2018 07:16
Client ID: LA291MS
Sample Info: 2148713,184314:5
Purge Volume: 5.0
Column phase: DB-624

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

\\192.168.50.6\chem\50mw2a.i\9082818.b\c24.d



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

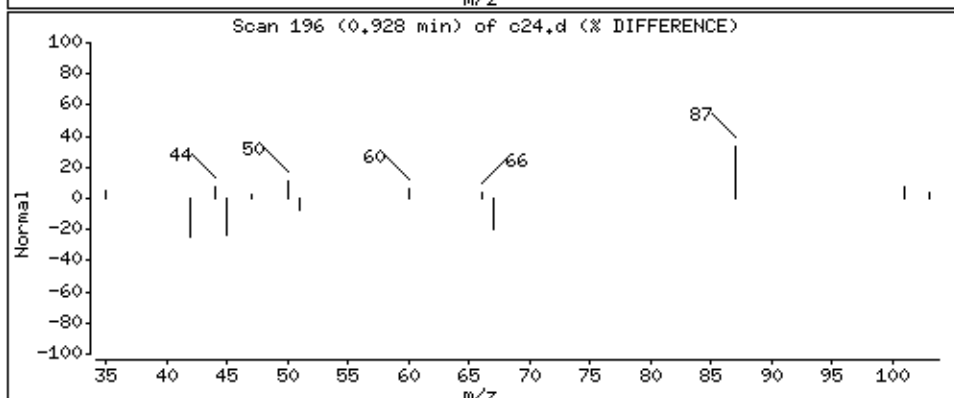
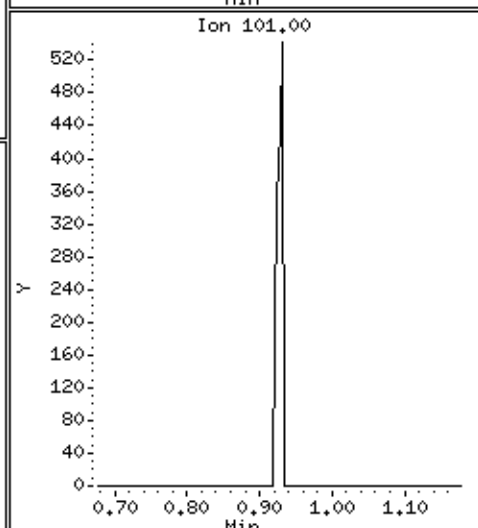
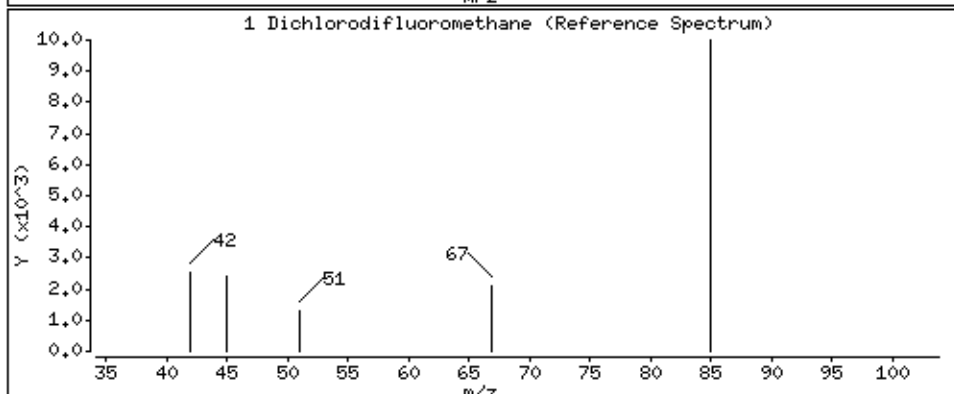
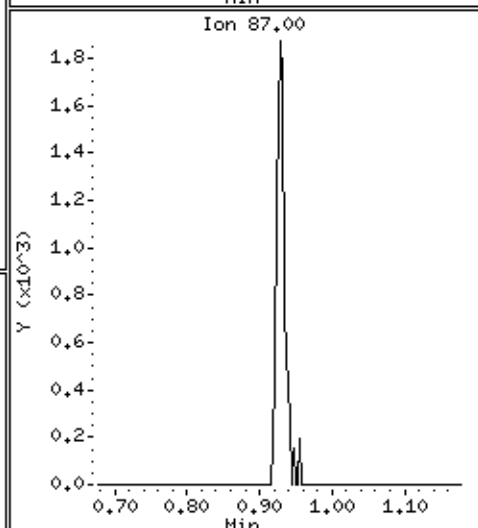
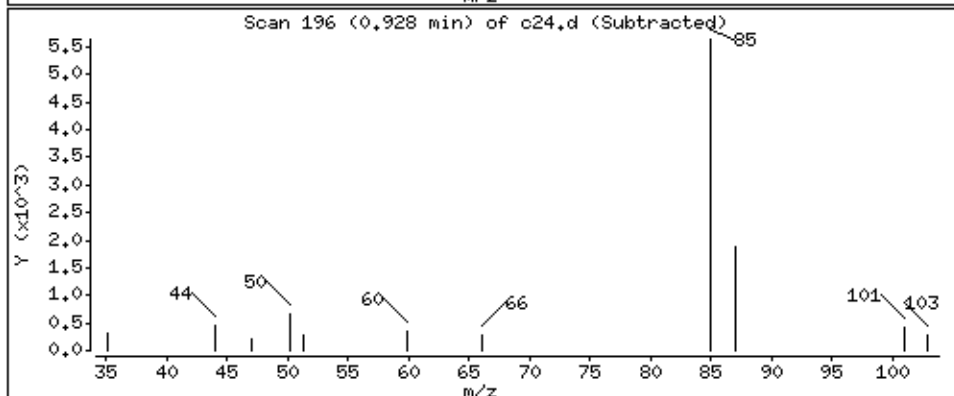
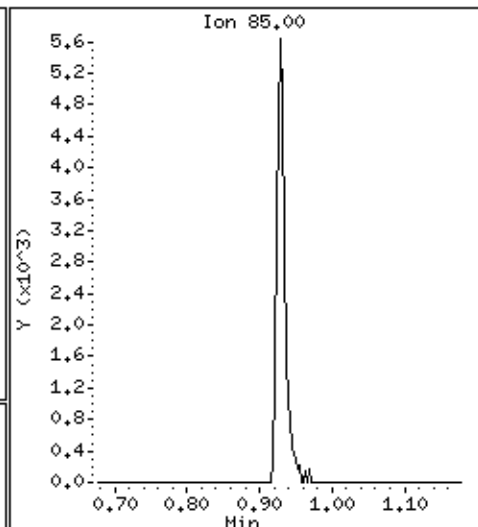
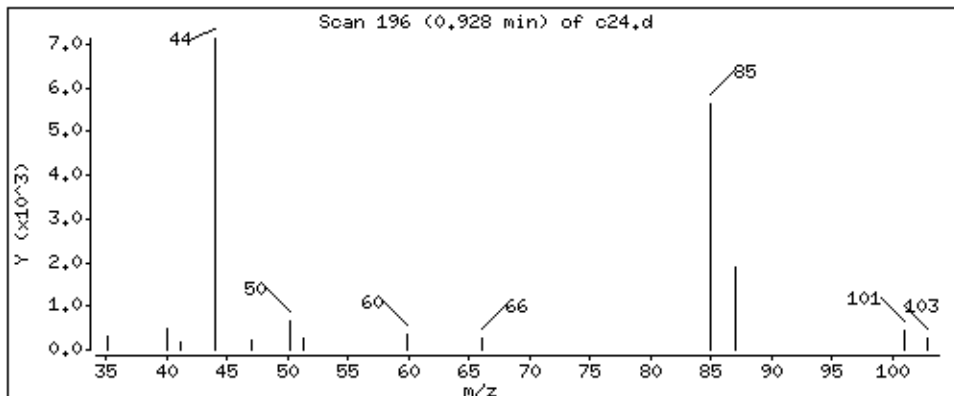
Operator: amv

Column phase: DB-624

Column diameter: 0,18

1 Dichlorodifluoromethane

Concentration: 1,73 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

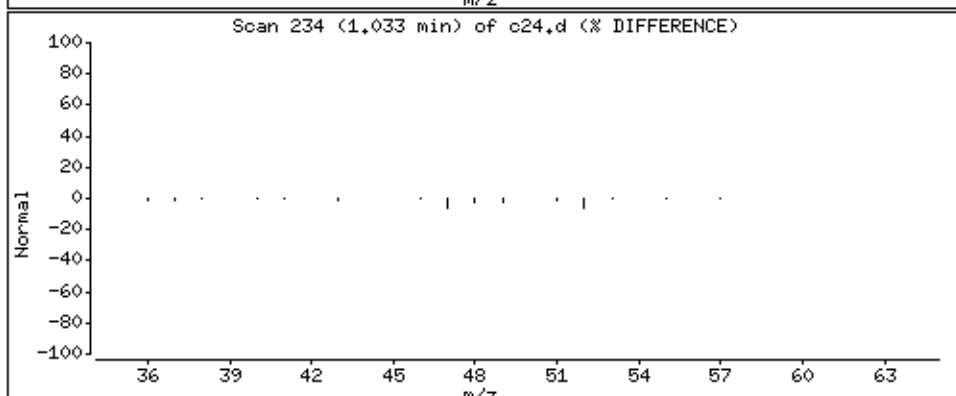
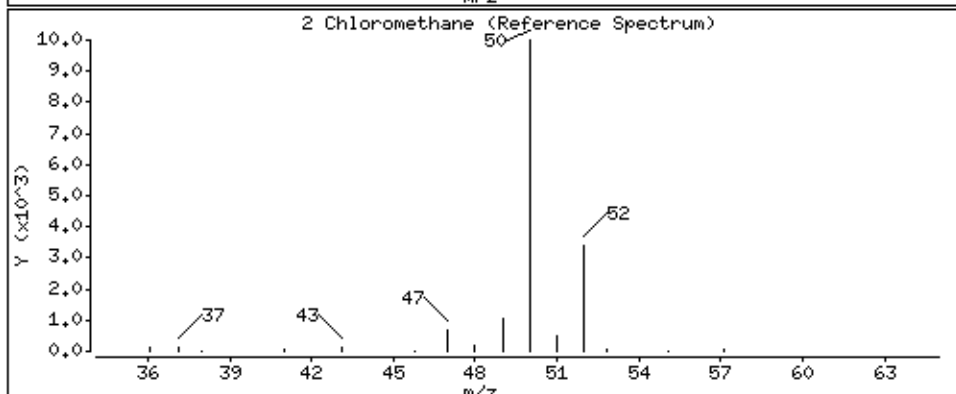
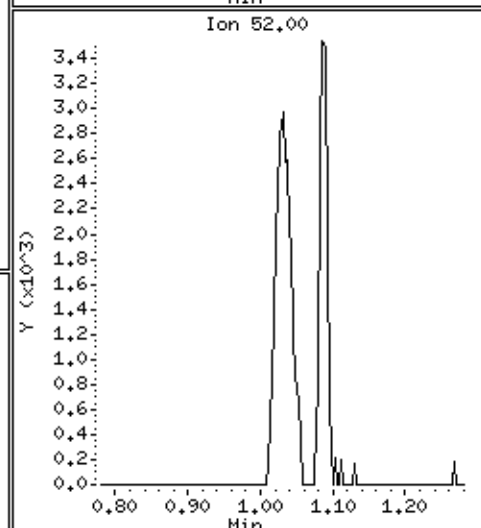
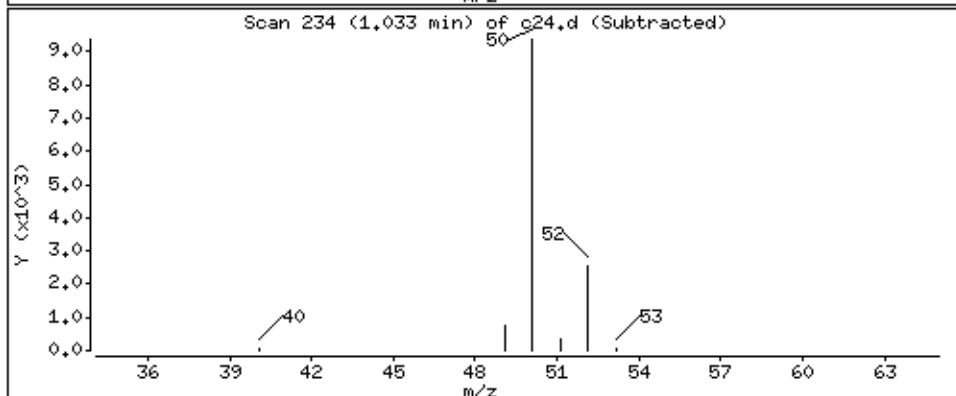
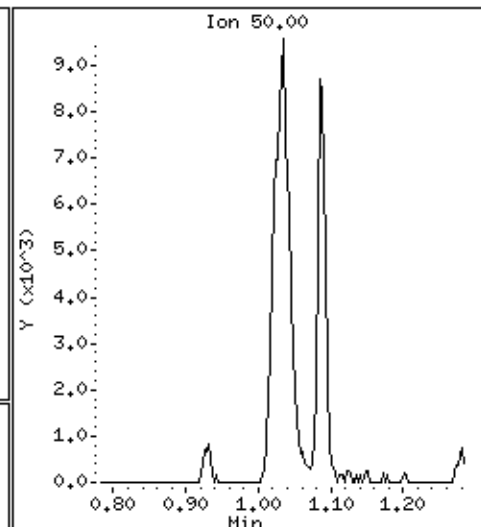
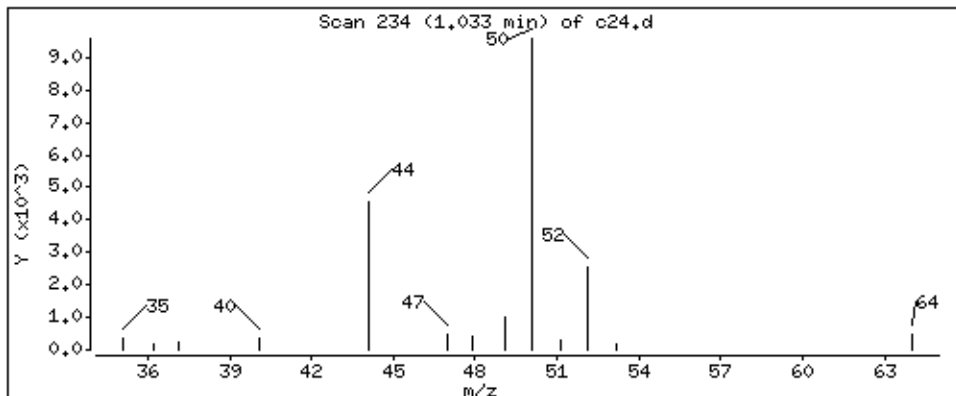
Operator: amv

Column phase: DB-624

Column diameter: 0,18

2 Chloromethane

Concentration: 9,39 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

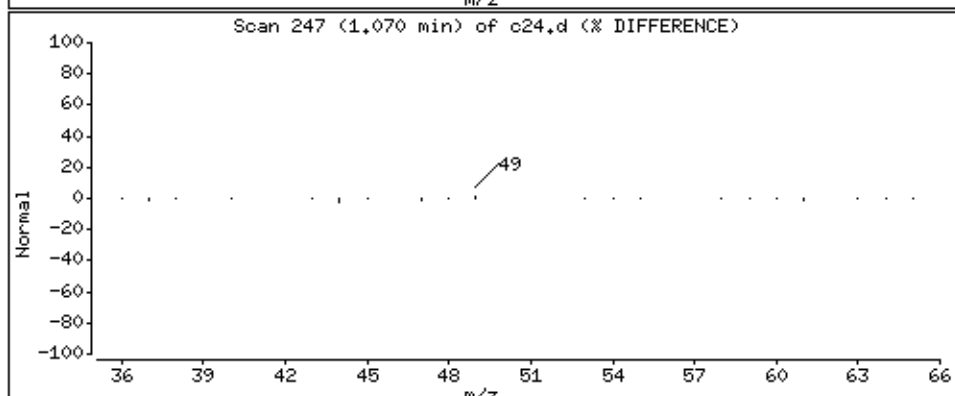
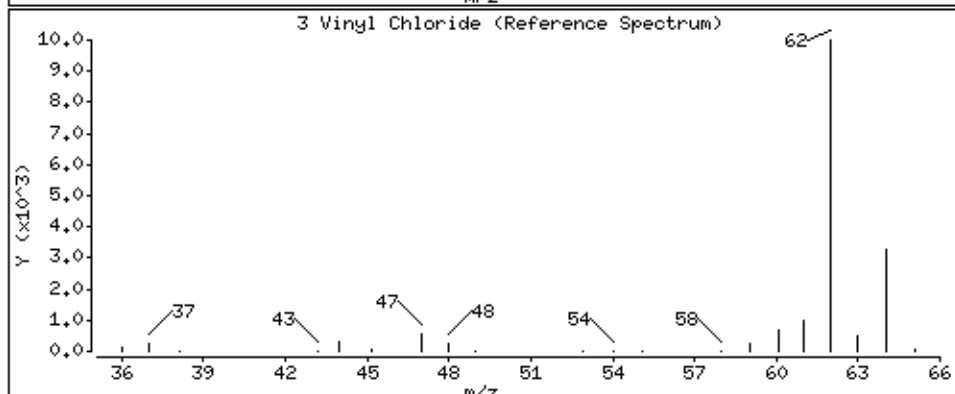
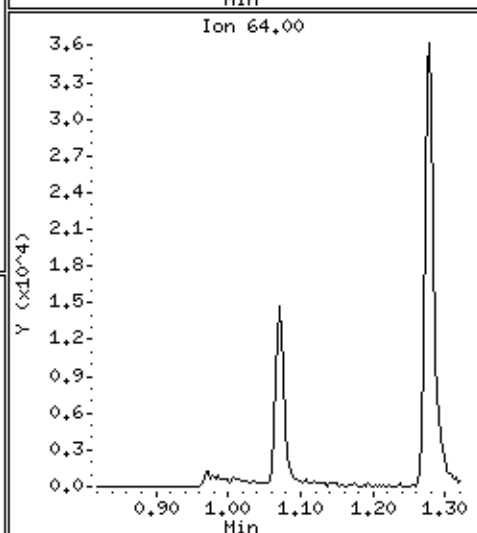
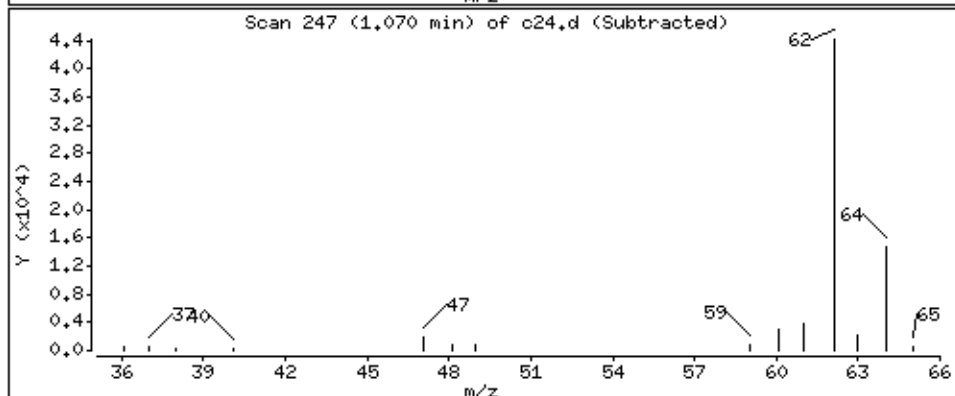
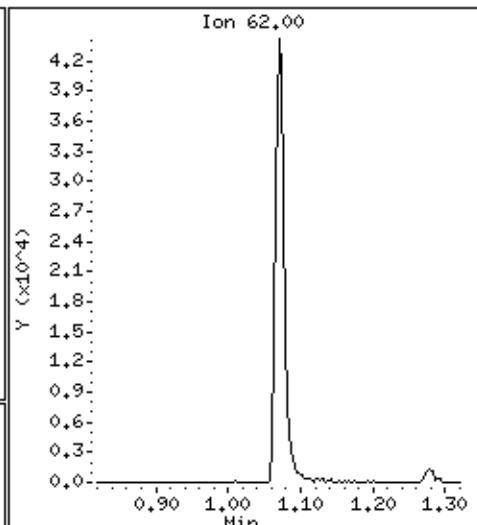
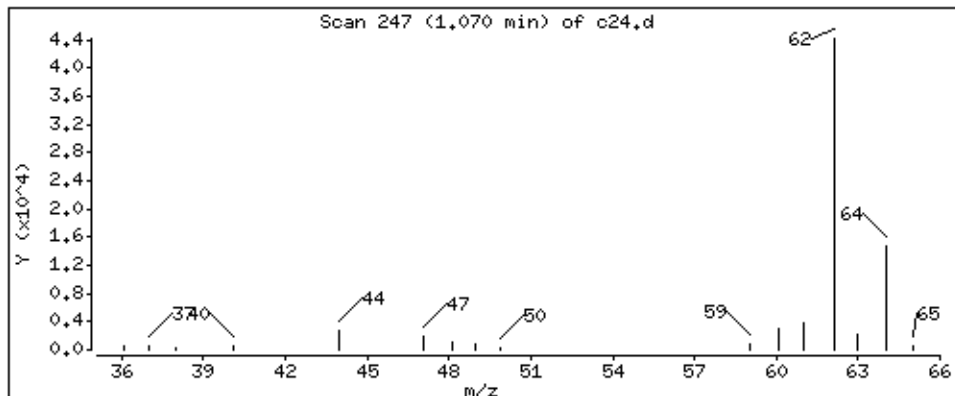
Operator: amv

Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 17,3 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

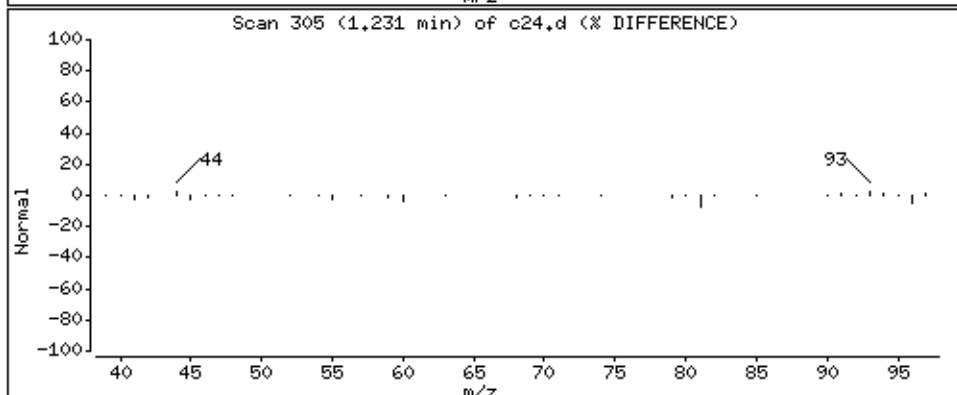
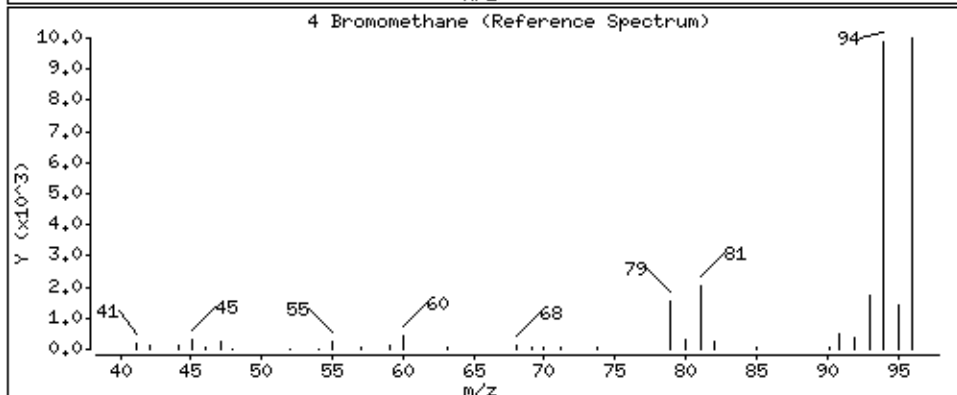
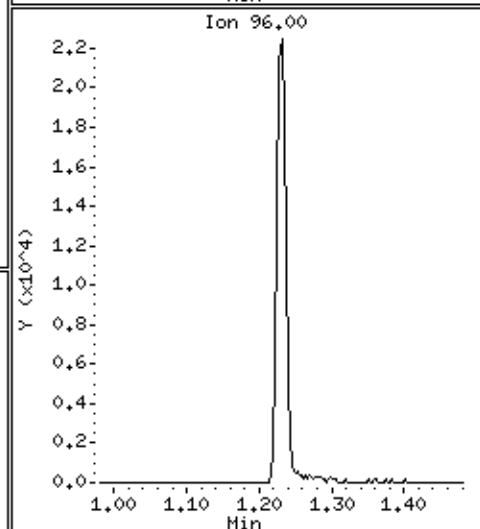
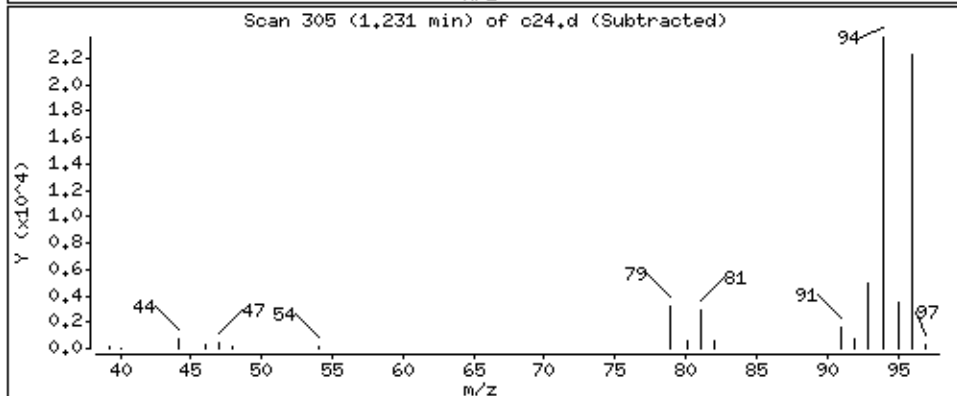
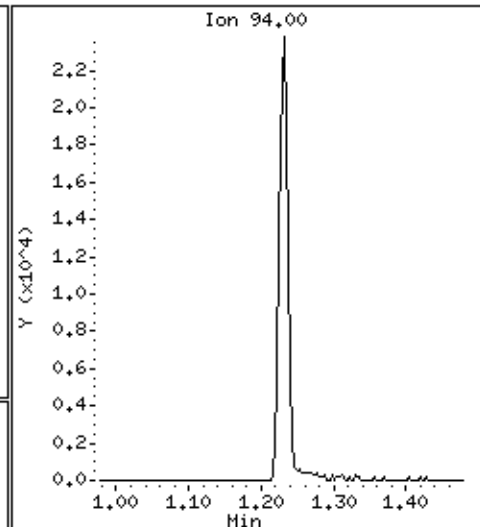
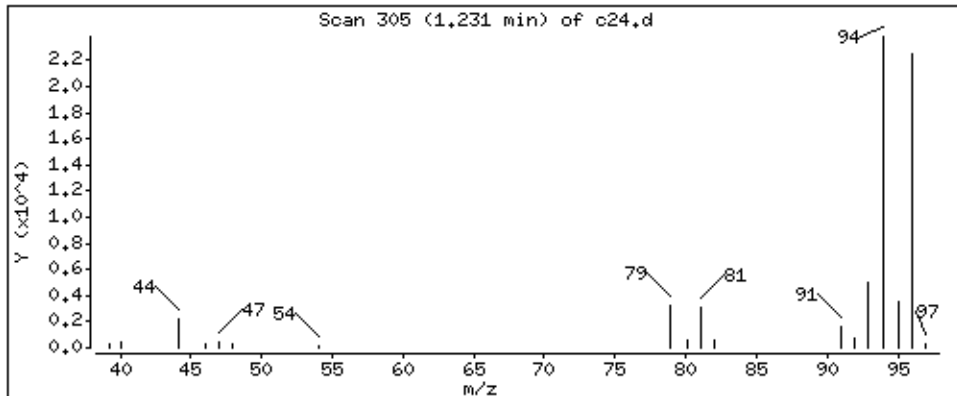
Operator: amv

Column phase: DB-624

Column diameter: 0,18

4 Bromomethane

Concentration: 29.7 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

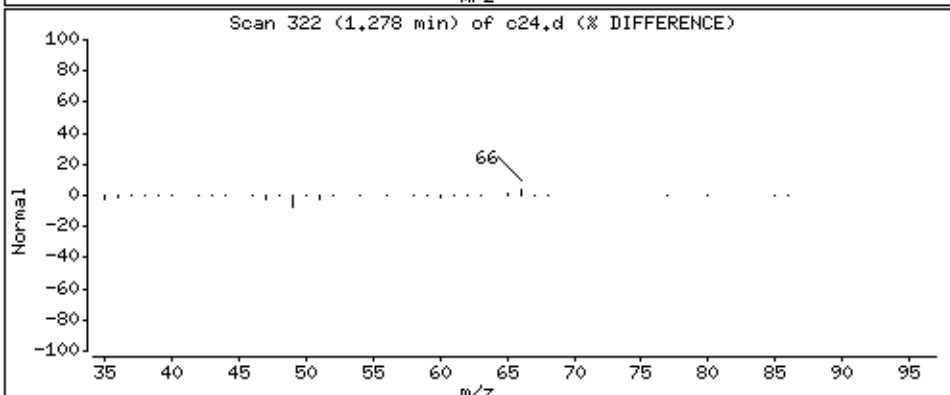
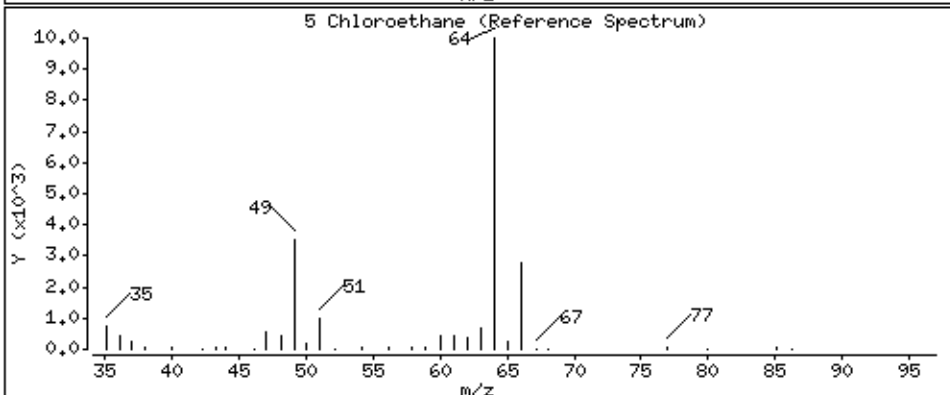
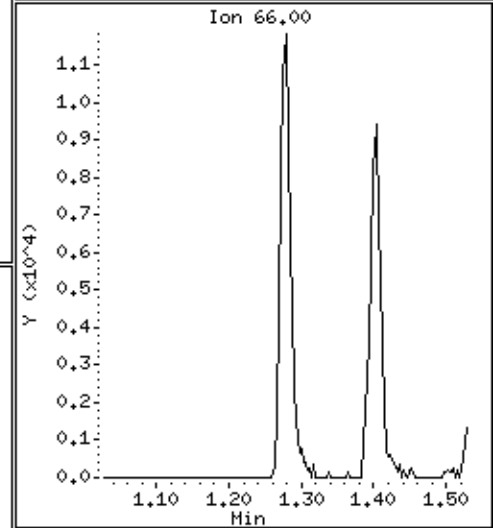
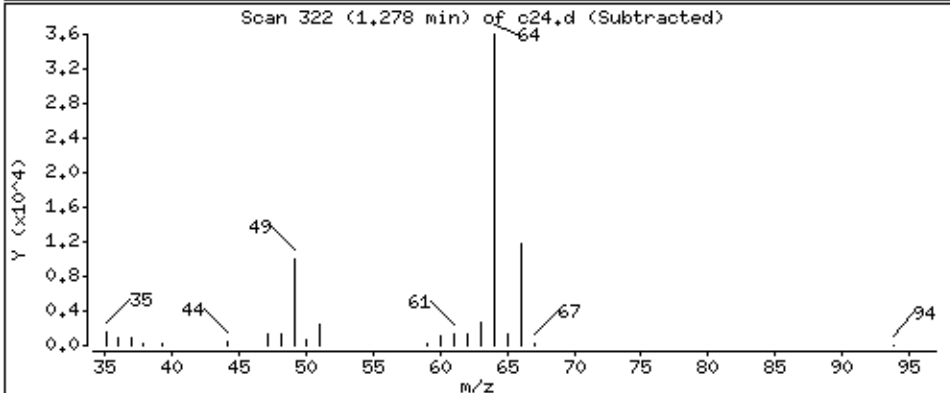
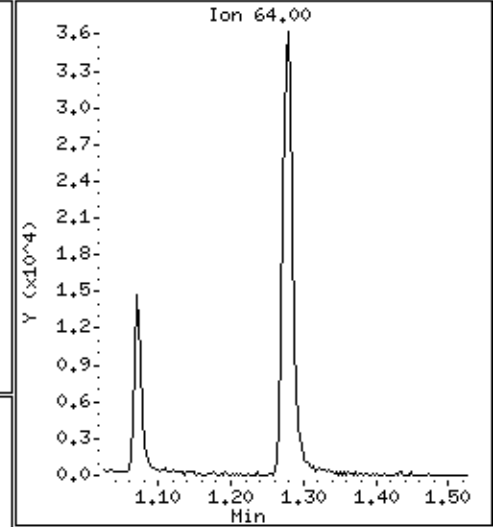
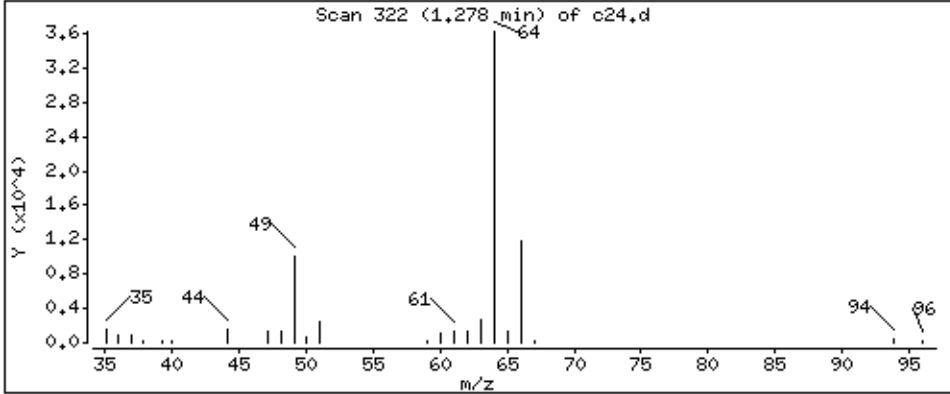
Operator: amv

Column phase: DB-624

Column diameter: 0,18

5 Chloroethane

Concentration: 33,2 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

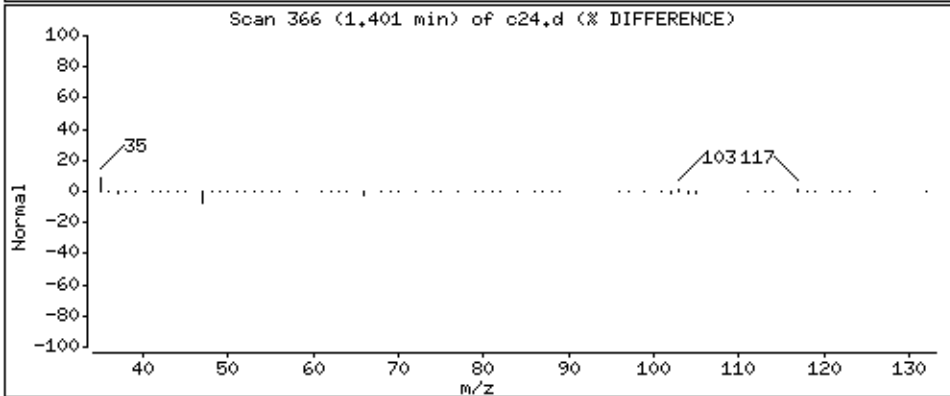
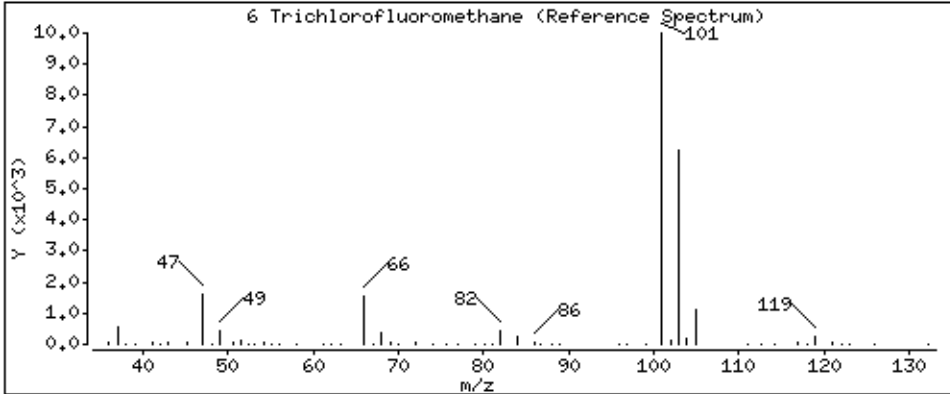
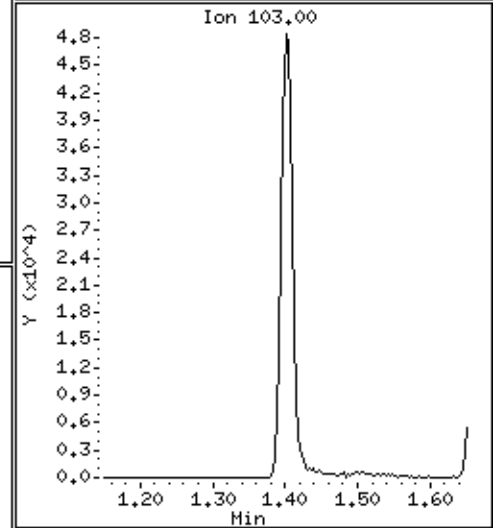
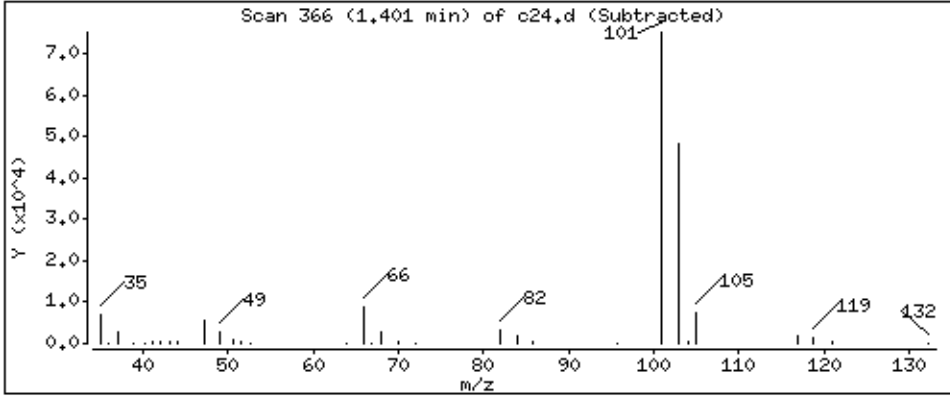
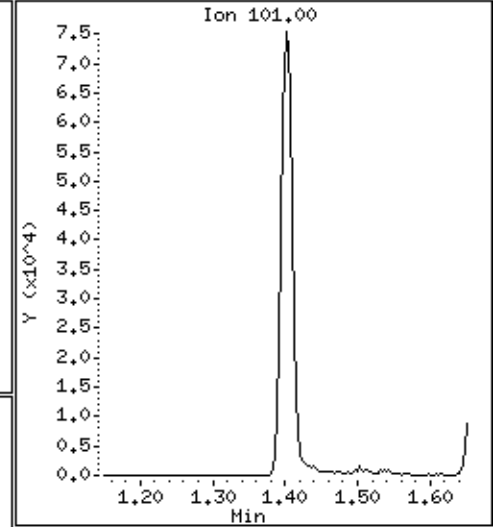
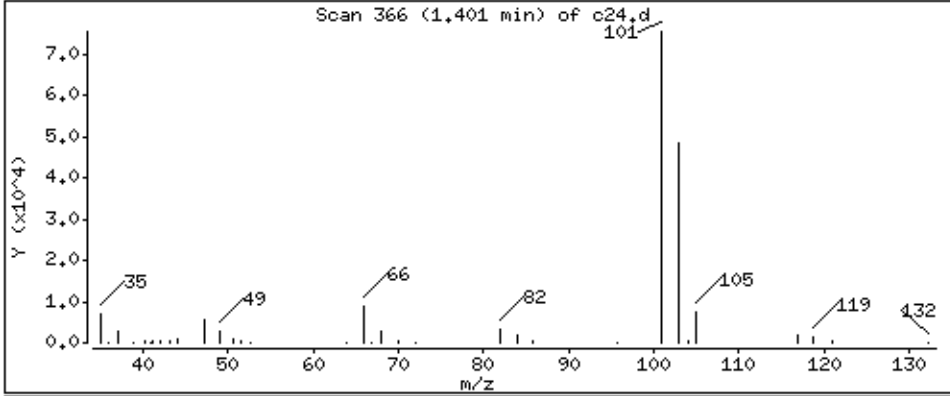
Operator: amv

Column phase: DB-624

Column diameter: 0.18

6 Trichlorofluoromethane

Concentration: 33.4 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

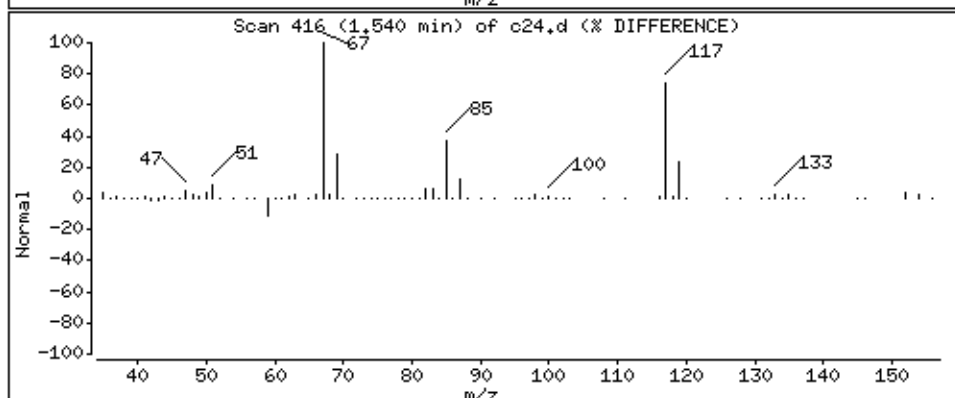
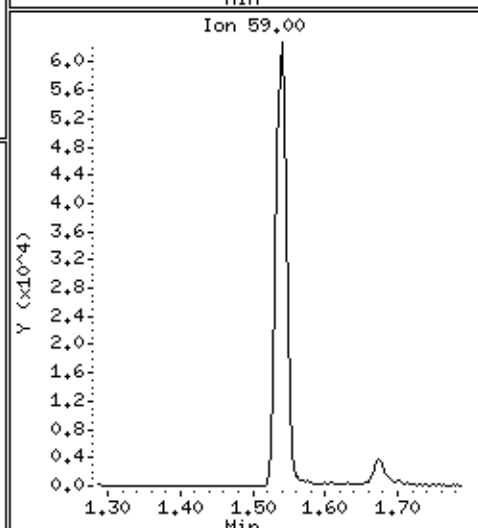
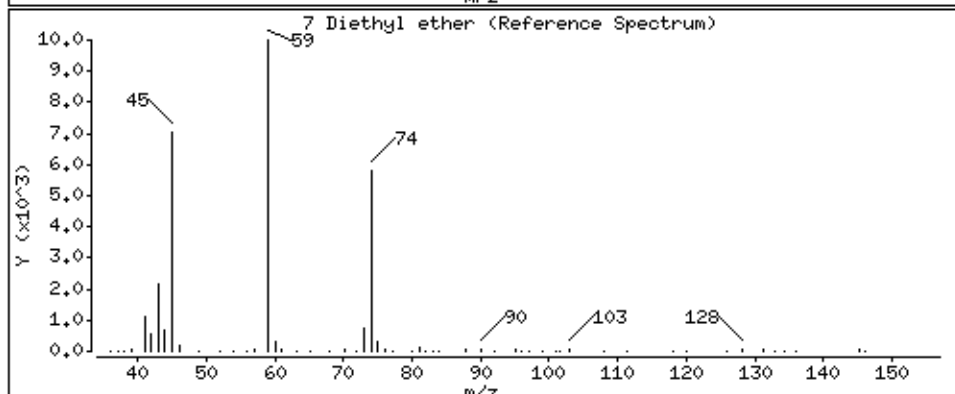
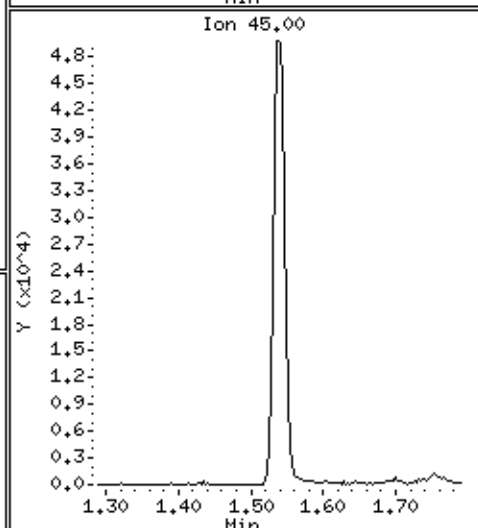
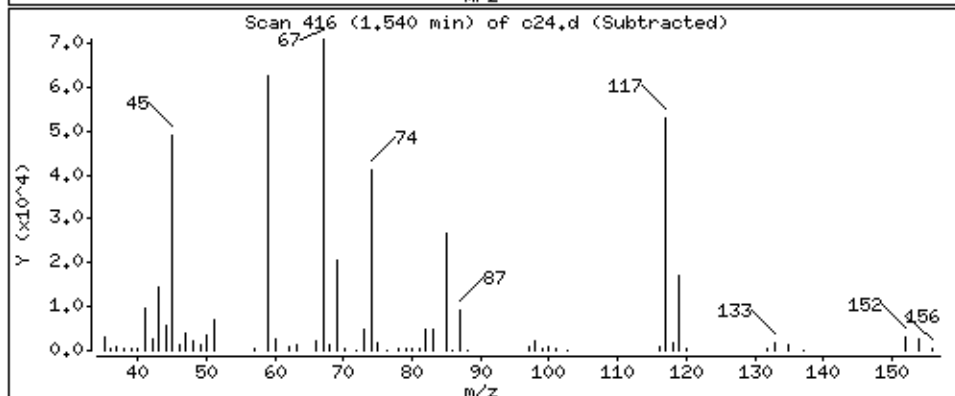
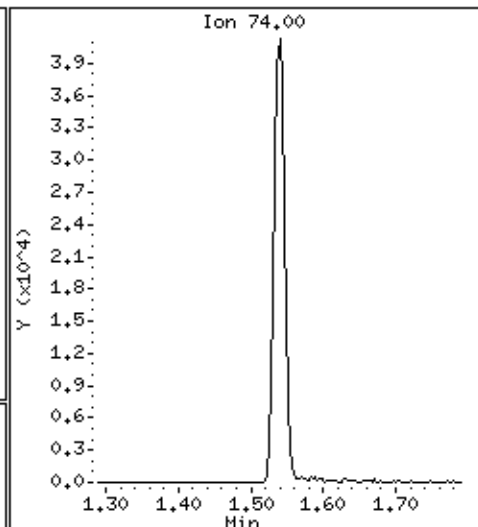
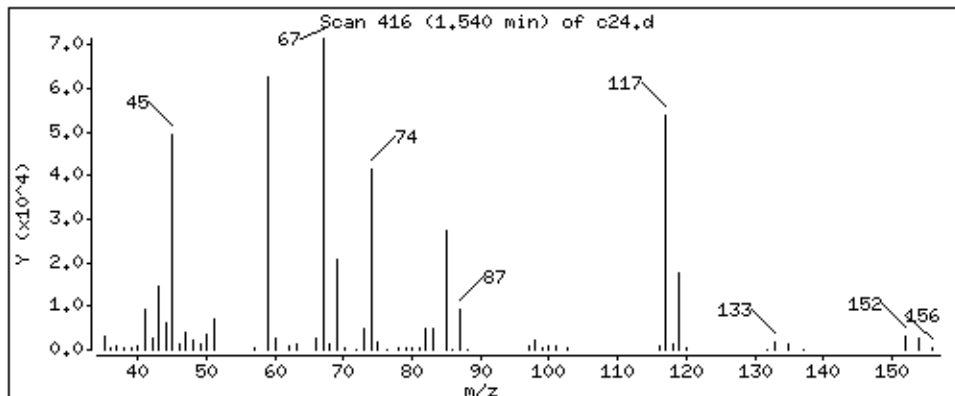
Operator: amv

Column phase: DB-624

Column diameter: 0,18

7 Diethyl ether

Concentration: 39,8 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

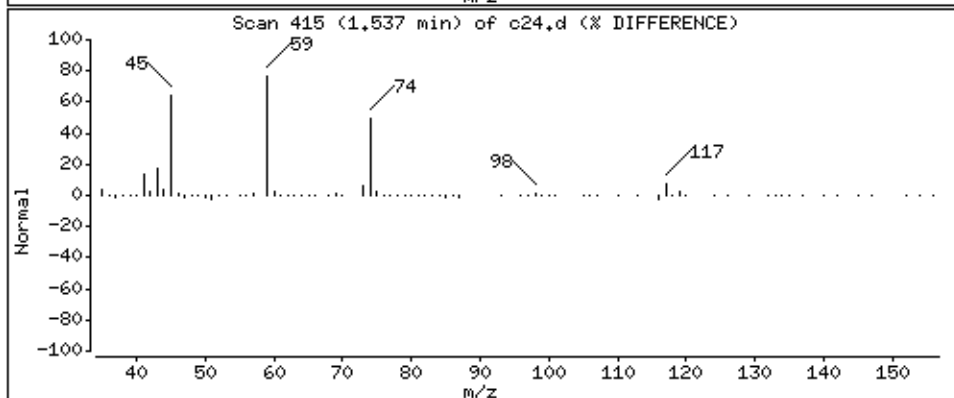
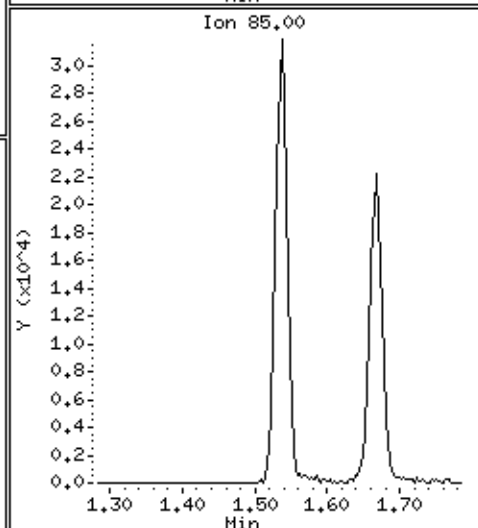
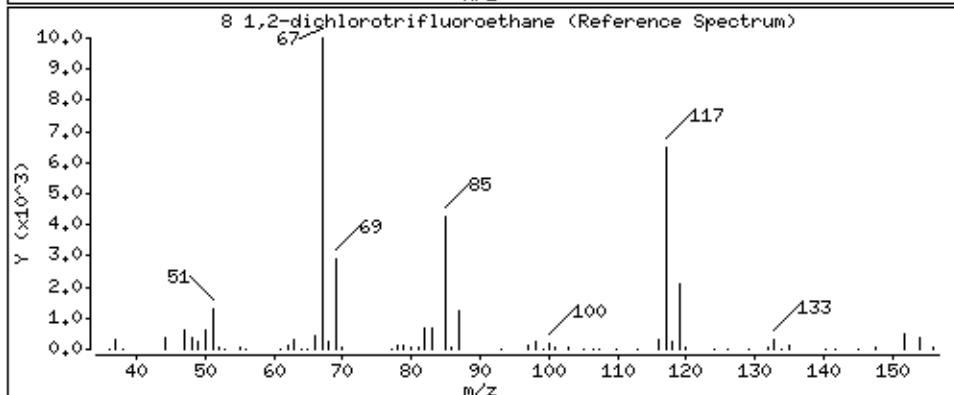
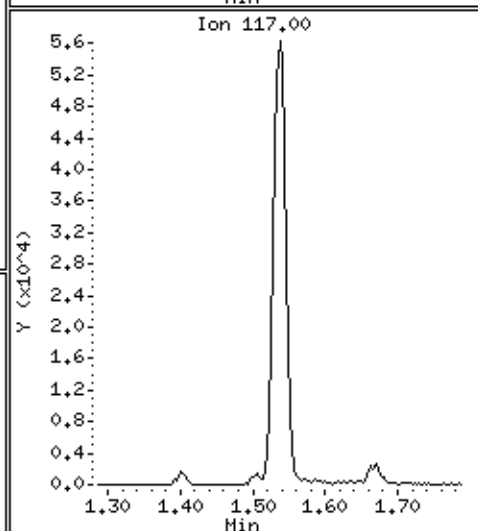
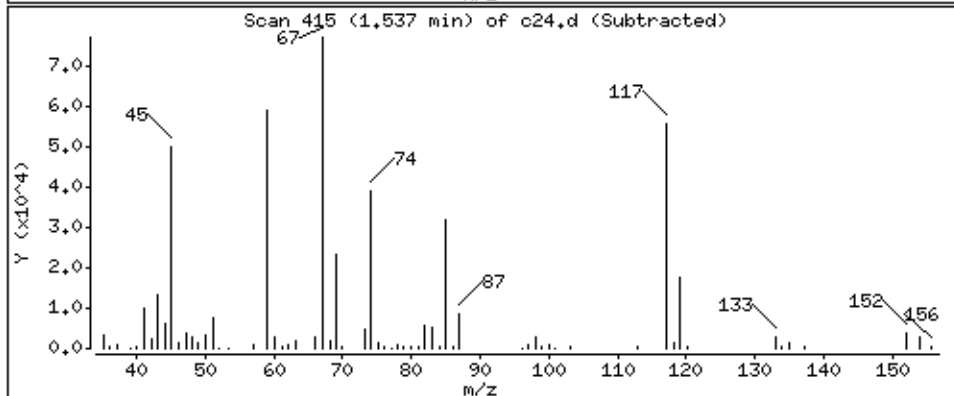
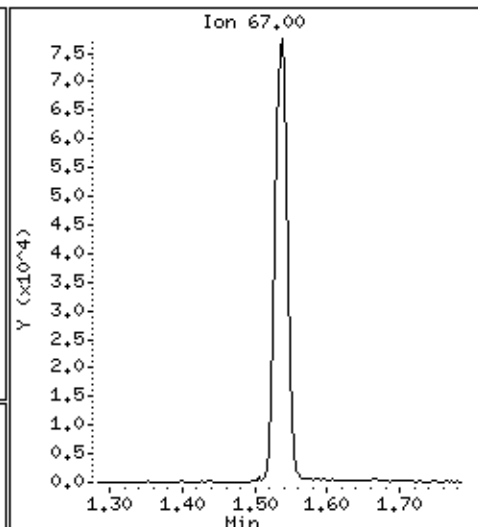
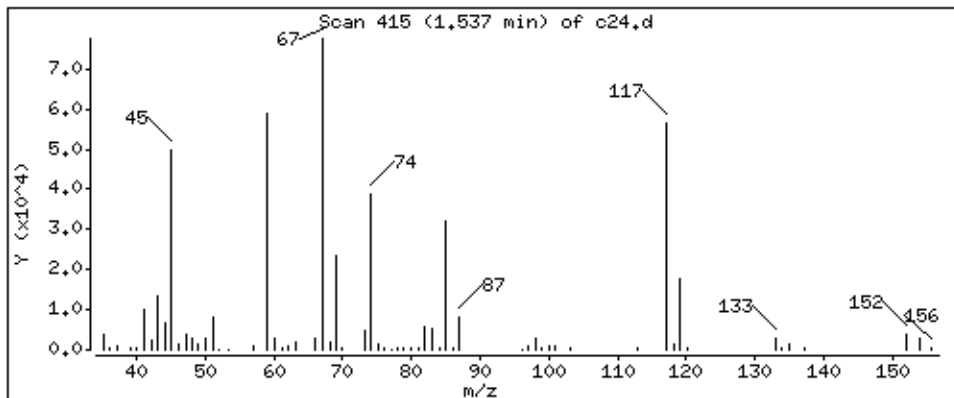
Operator: amv

Column phase: DB-624

Column diameter: 0.18

8 1,2-dichlorotrifluoroethane

Concentration: 51.3 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

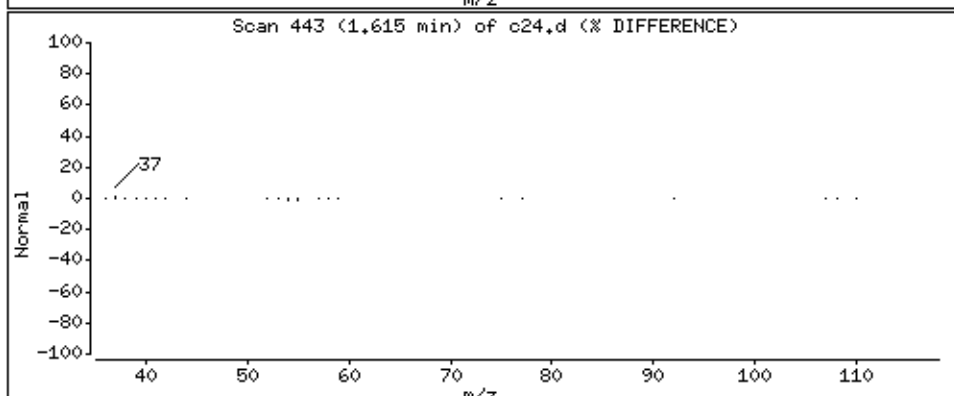
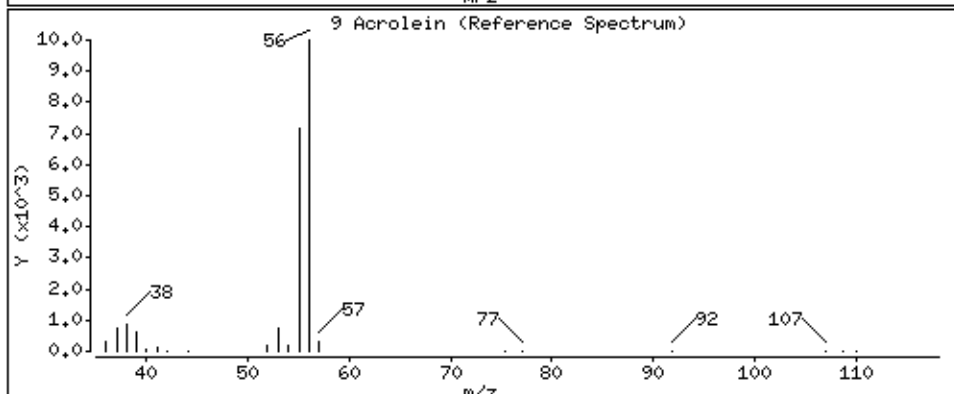
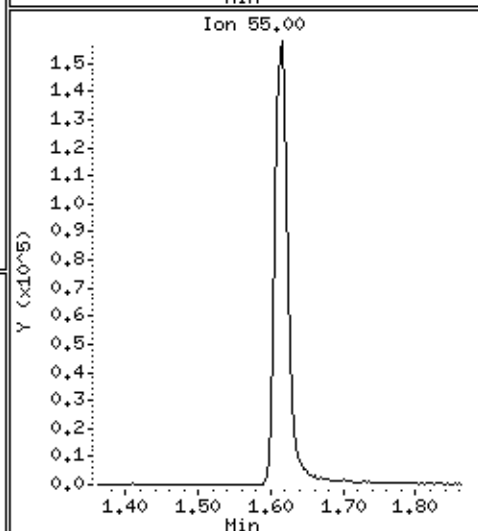
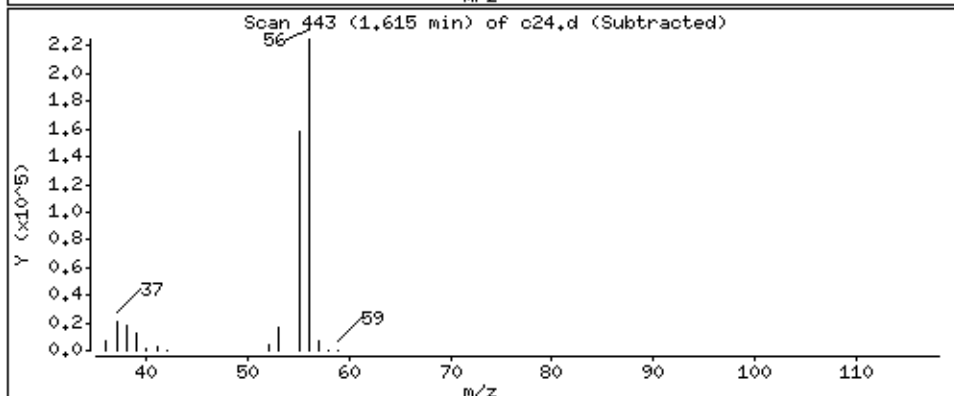
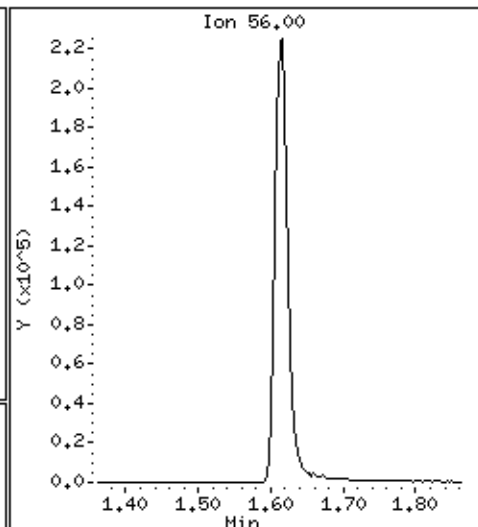
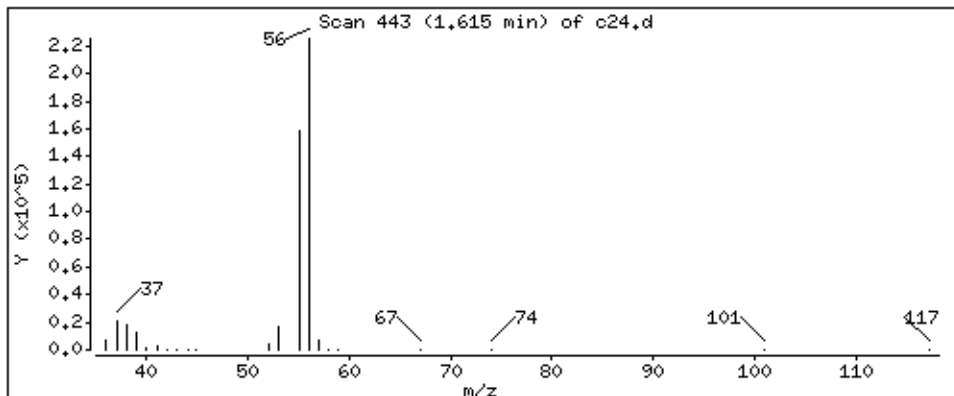
Operator: amv

Column phase: DB-624

Column diameter: 0,18

9 Acrolein

Concentration: 728 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

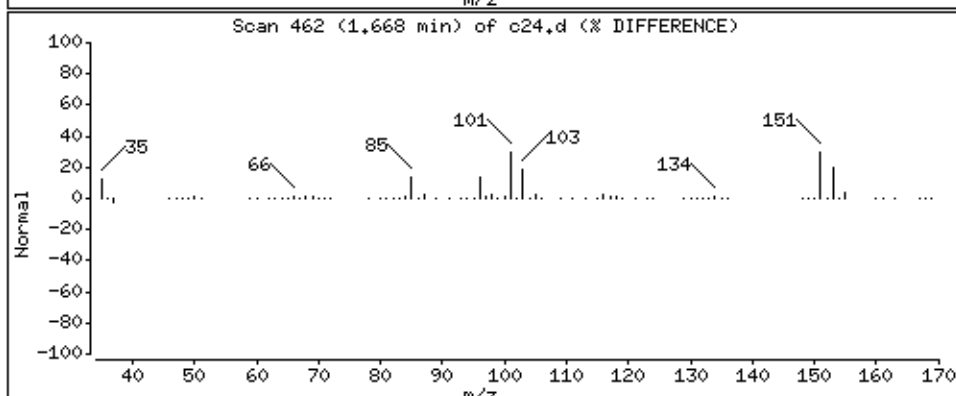
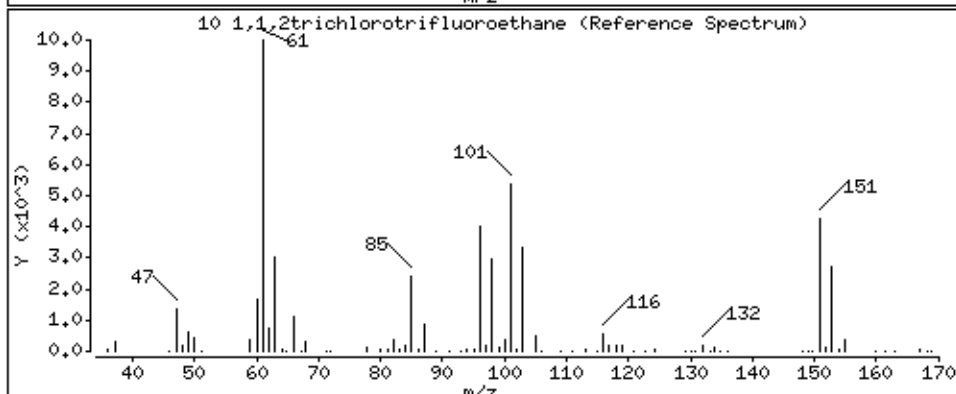
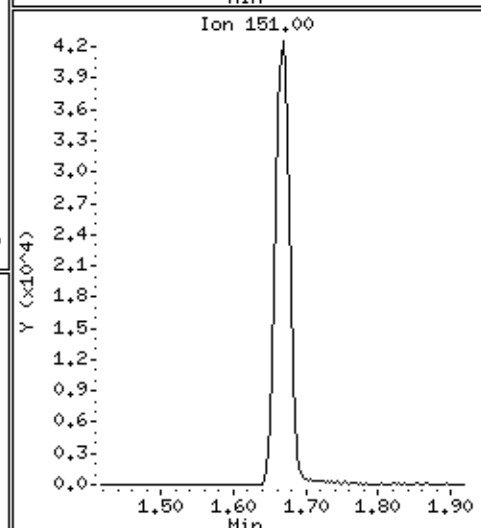
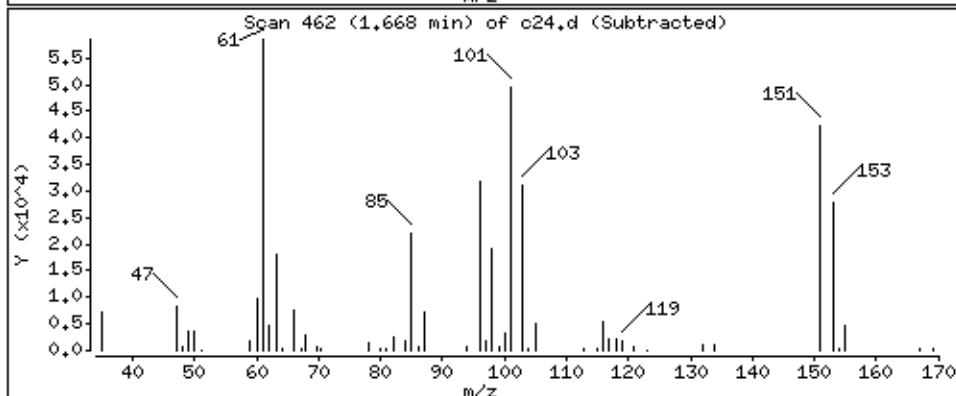
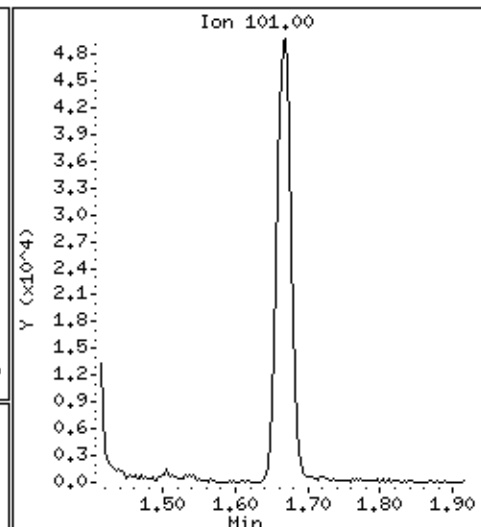
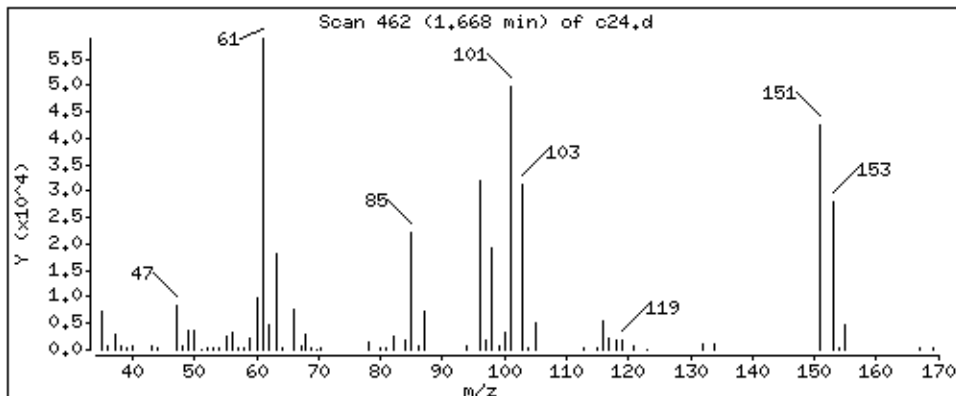
Operator: amv

Column phase: DB-624

Column diameter: 0,18

10 1,1,2trichlorotrifluoroethane

Concentration: 42.9 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

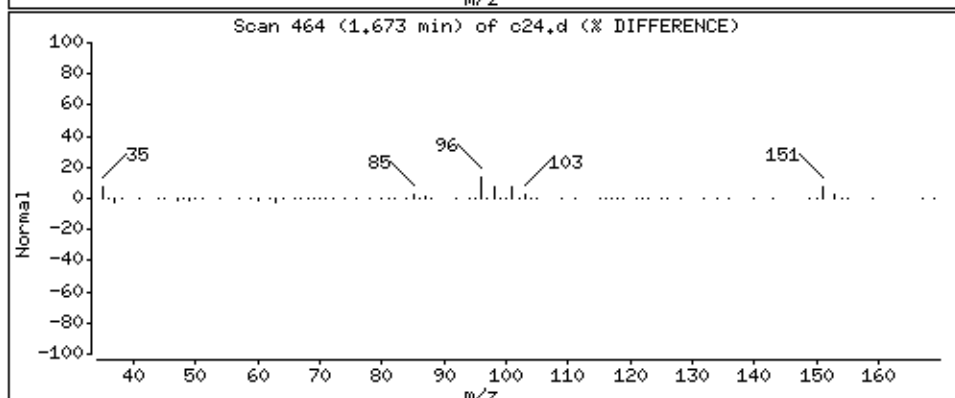
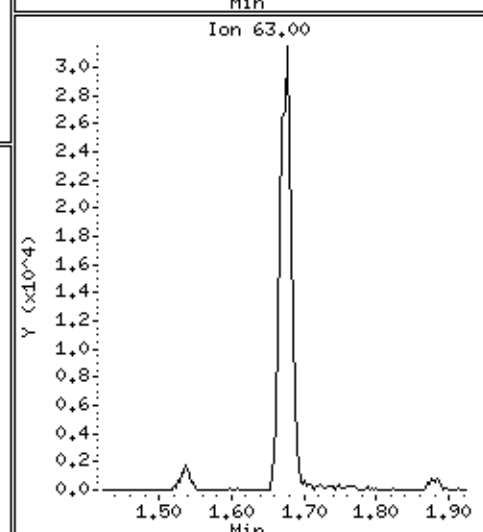
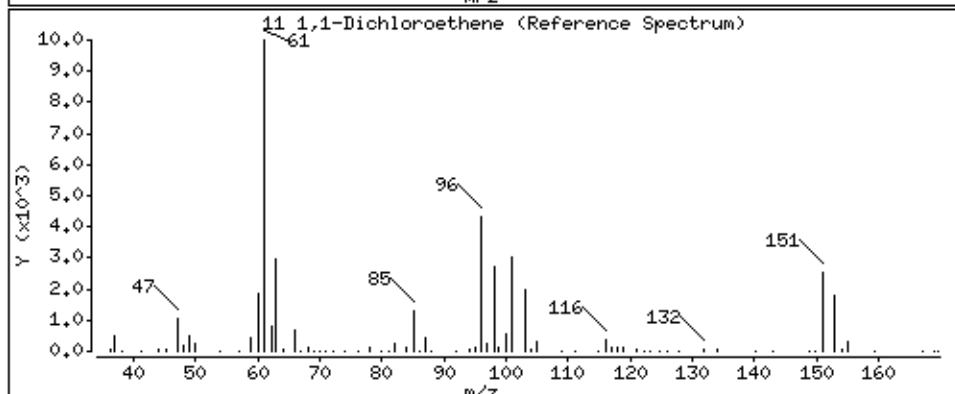
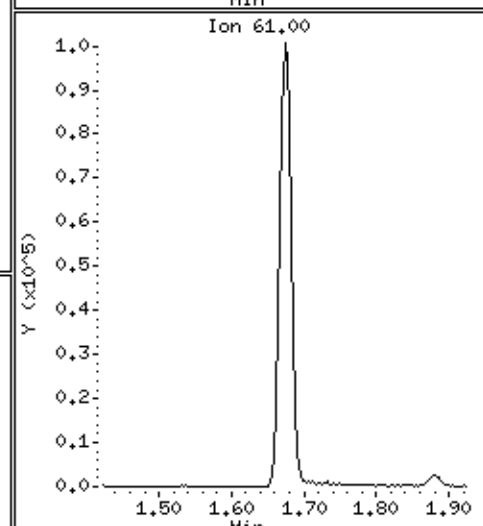
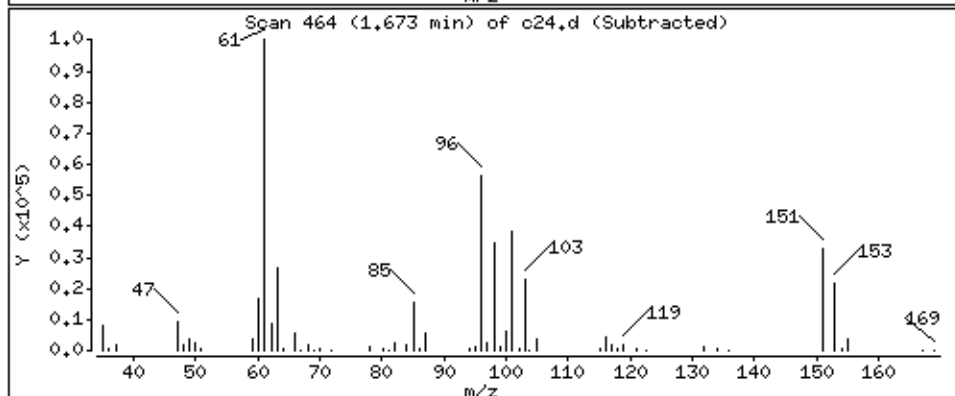
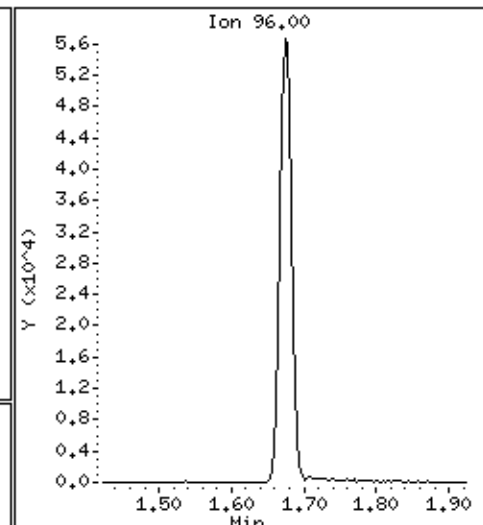
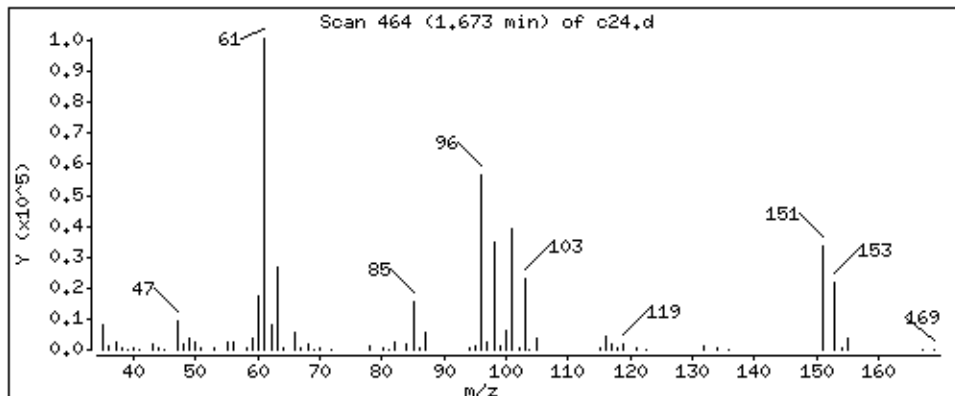
Operator: amv

Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 38,6 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

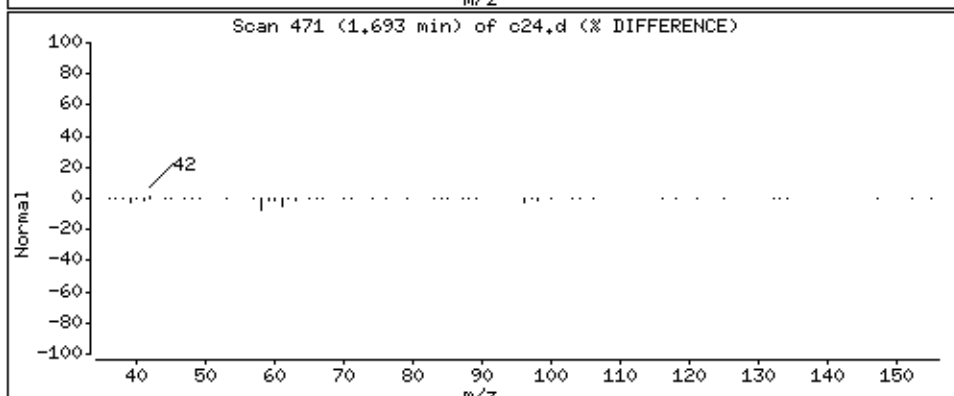
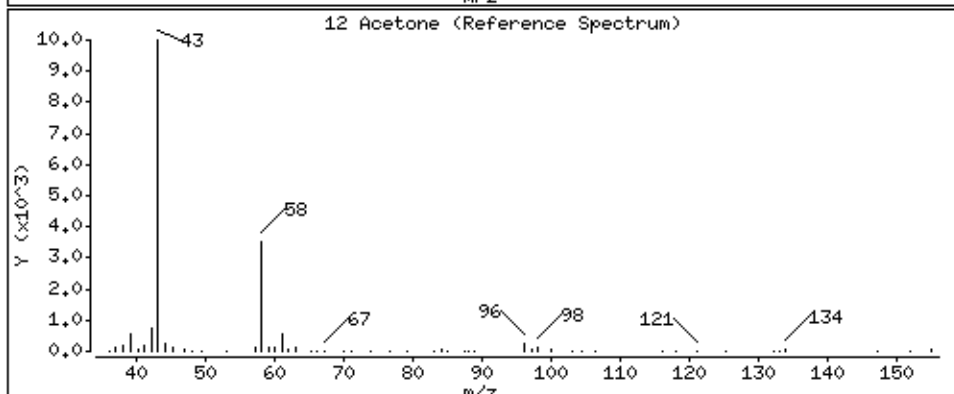
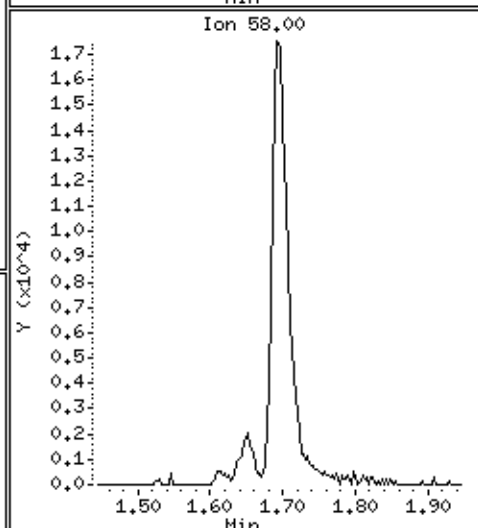
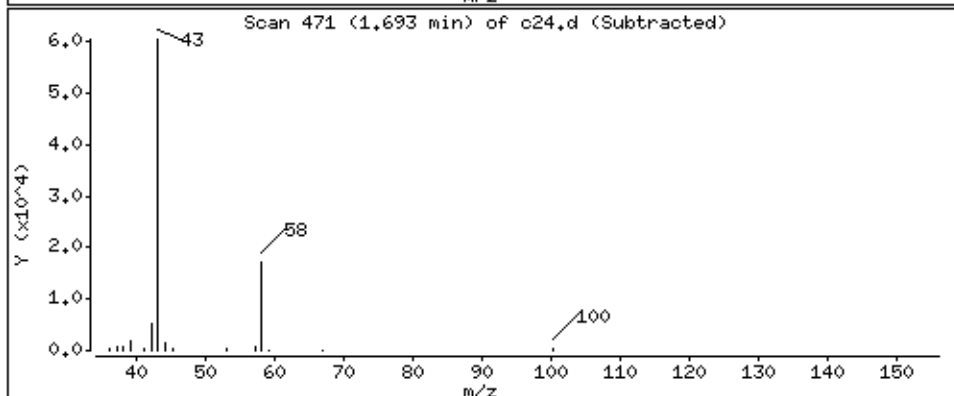
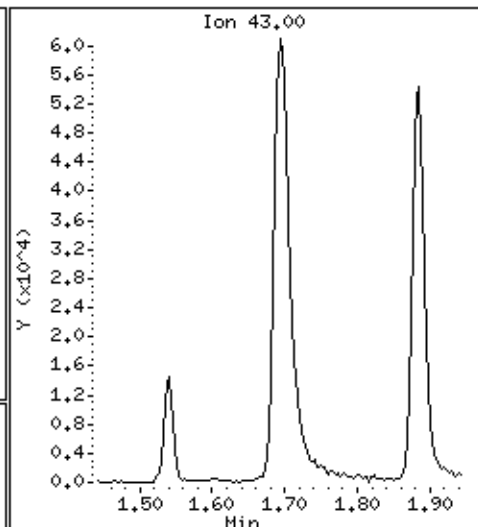
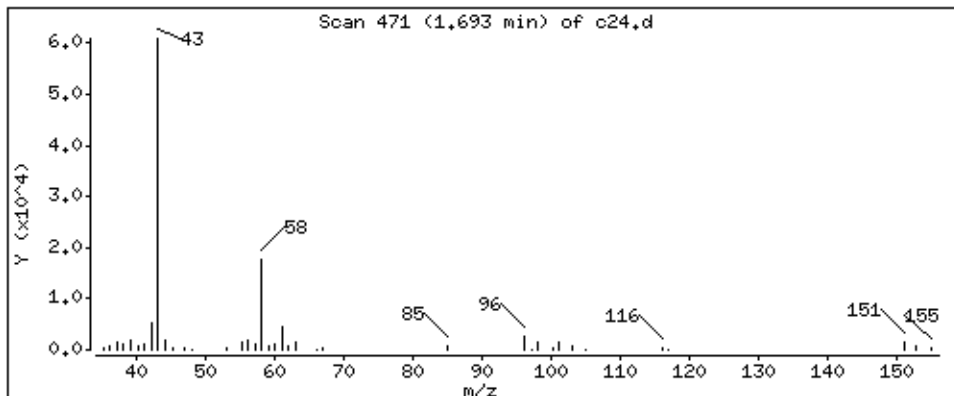
Operator: amv

Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 213 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

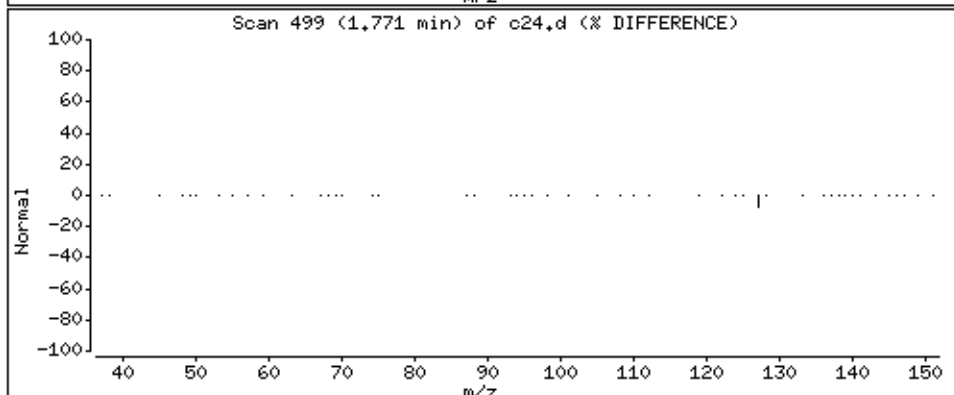
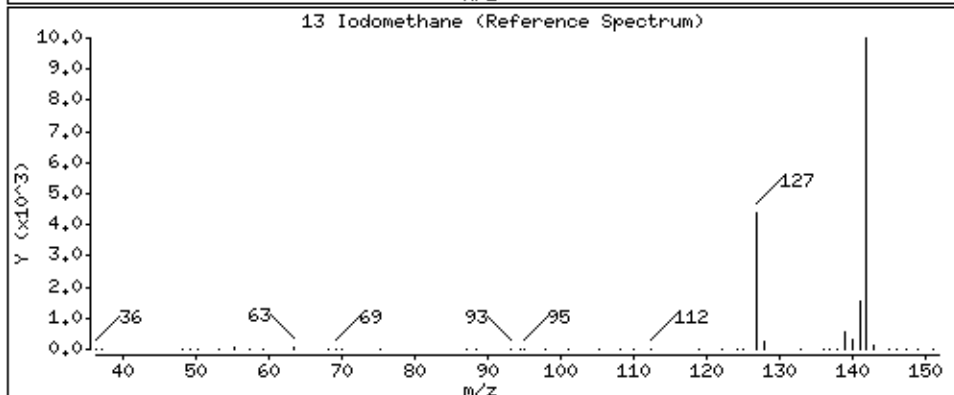
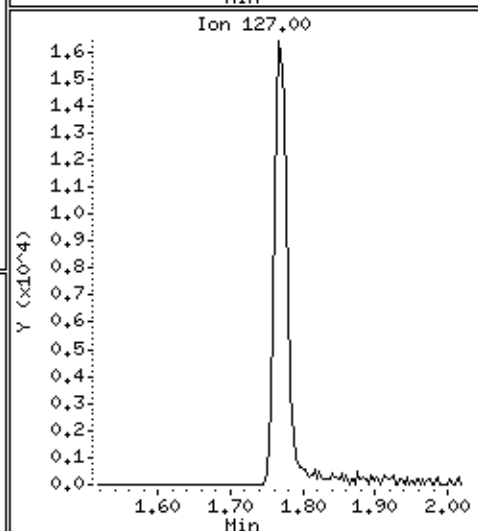
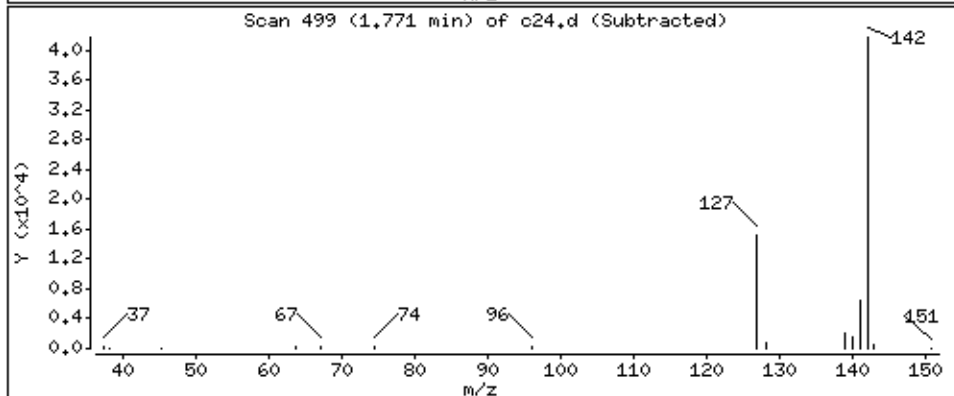
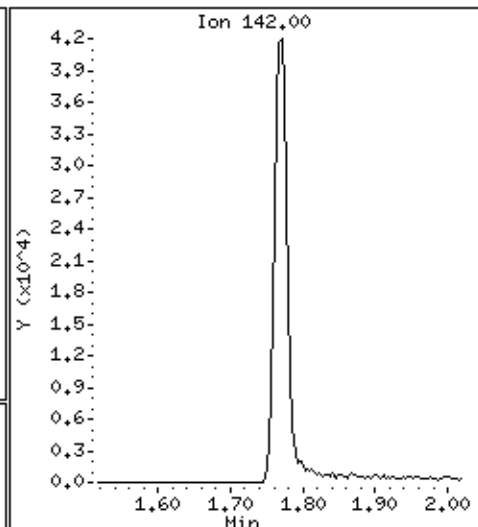
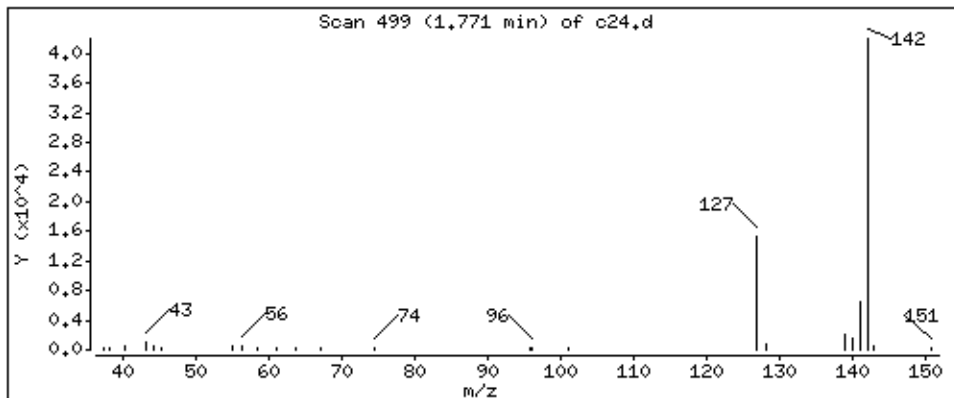
Operator: amv

Column phase: DB-624

Column diameter: 0,18

13 Iodomethane

Concentration: 28,9 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

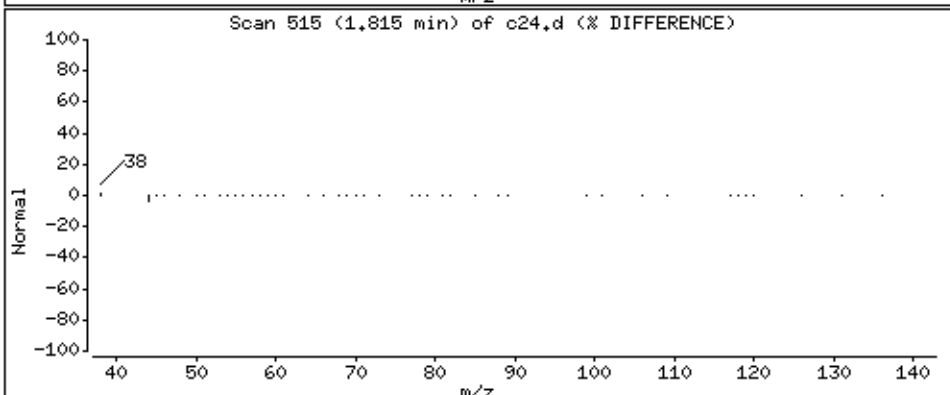
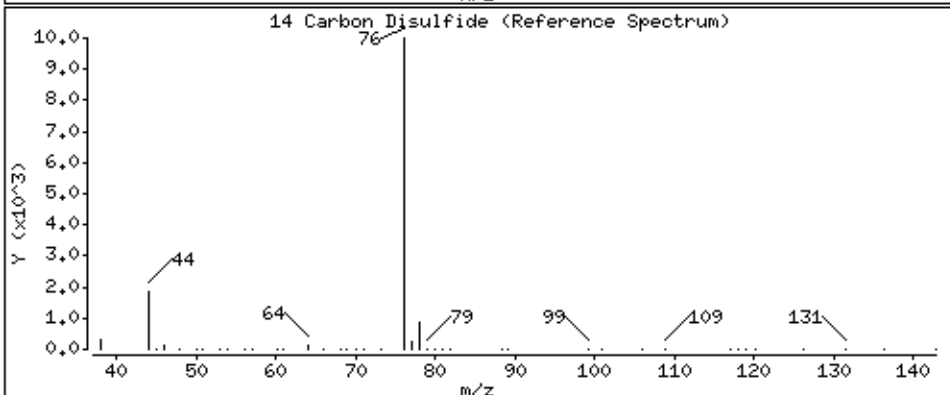
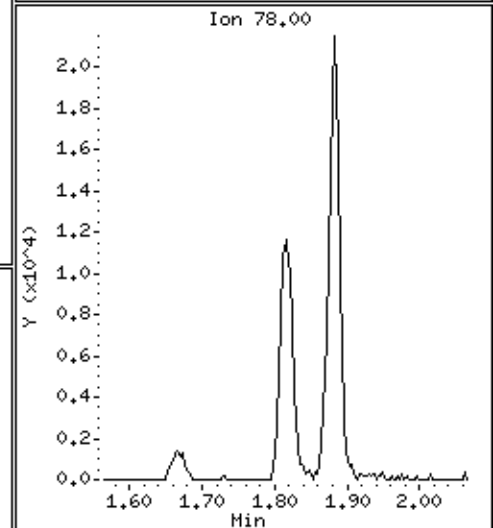
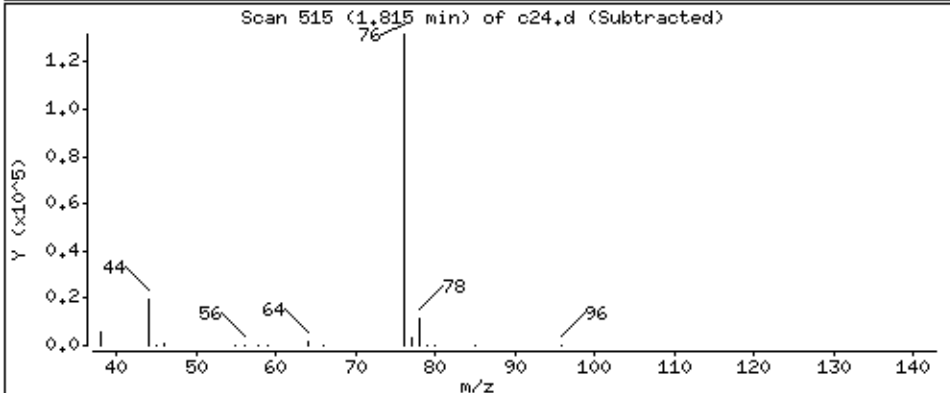
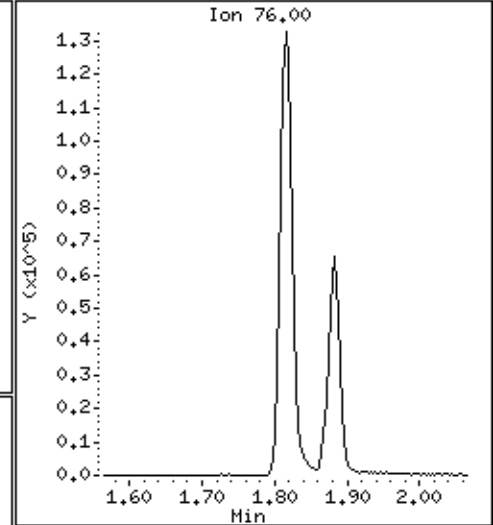
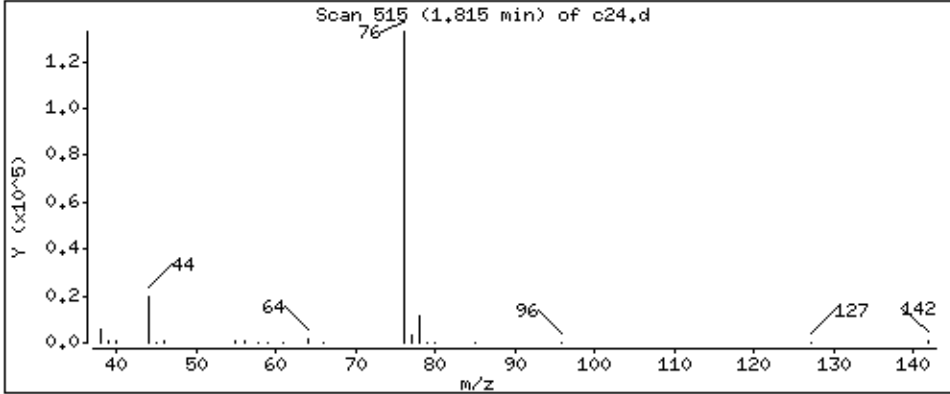
Operator: amv

Column phase: DB-624

Column diameter: 0,18

14 Carbon Disulfide

Concentration: 32.3 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

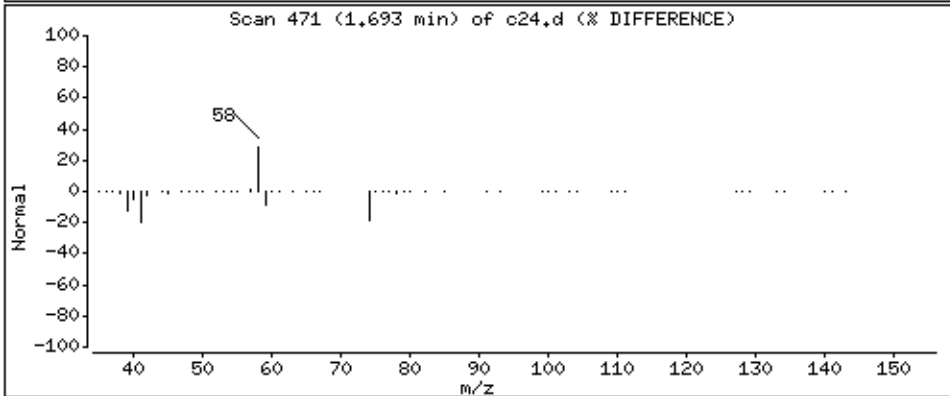
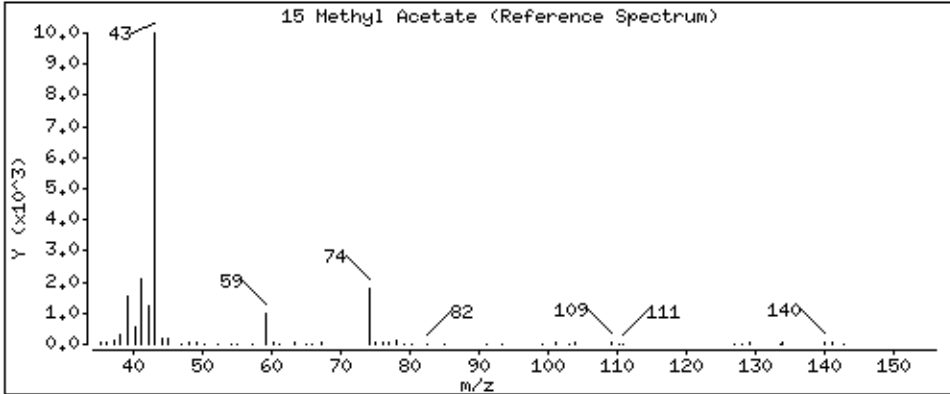
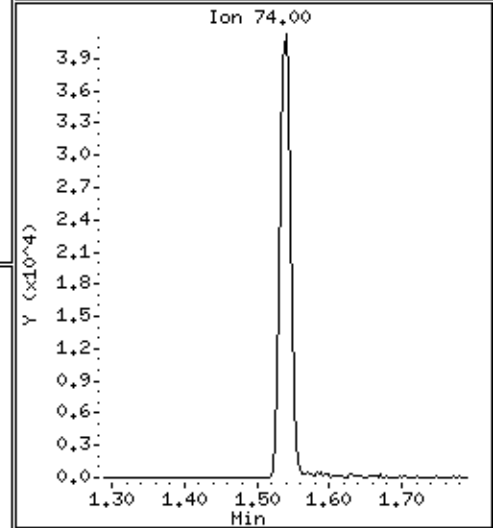
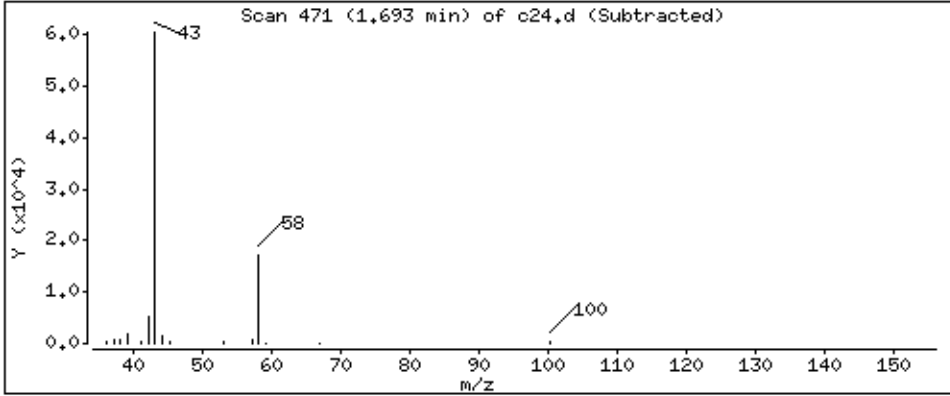
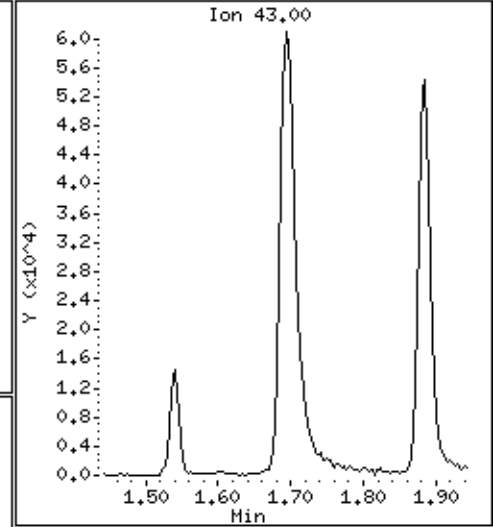
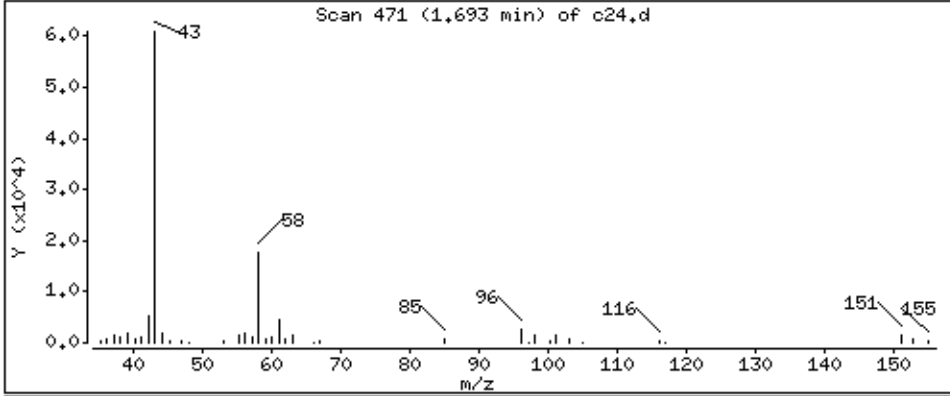
Operator: amv

Column phase: DB-624

Column diameter: 0,18

15 Methyl Acetate

Concentration: 42.3 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

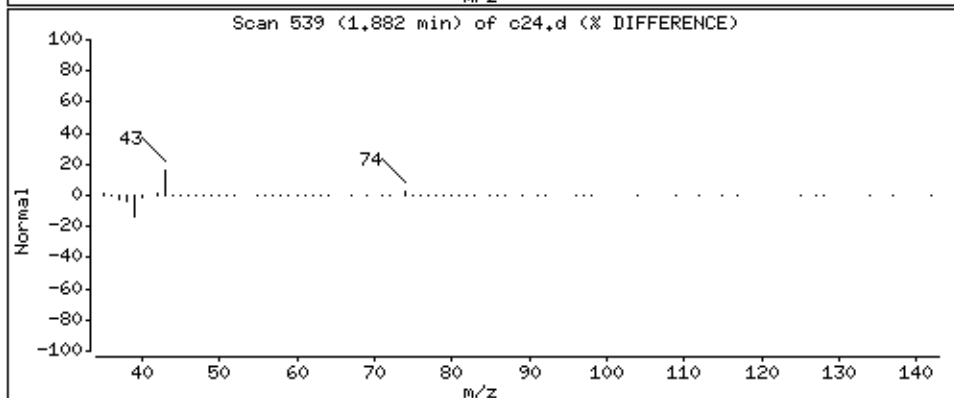
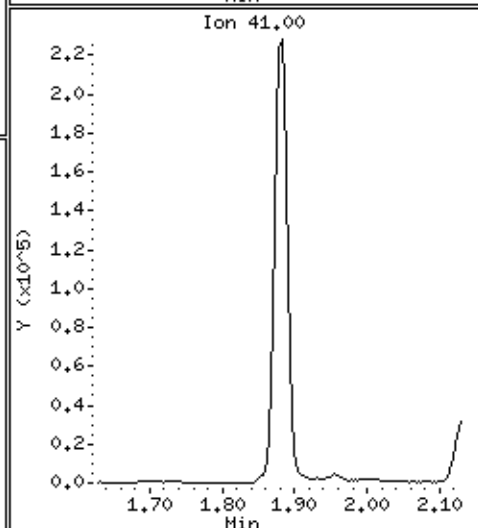
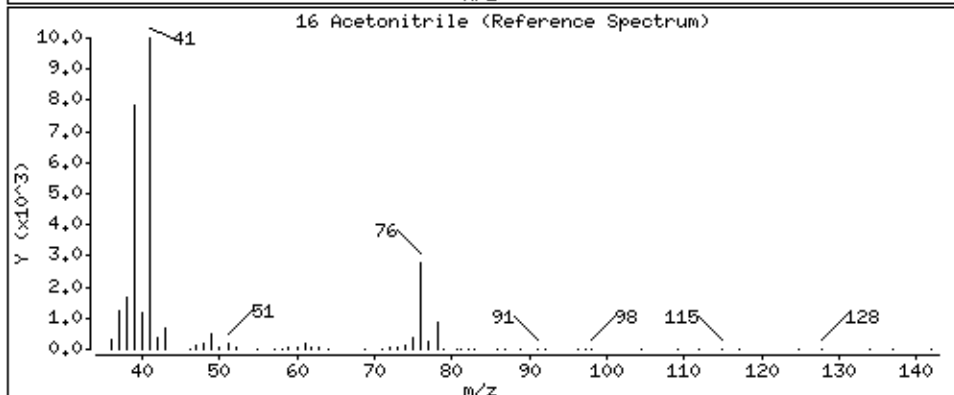
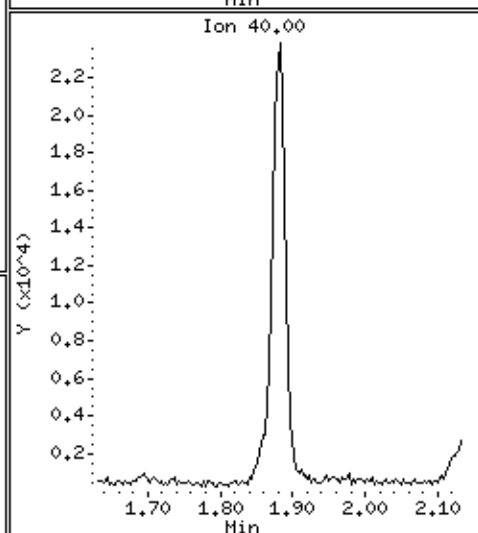
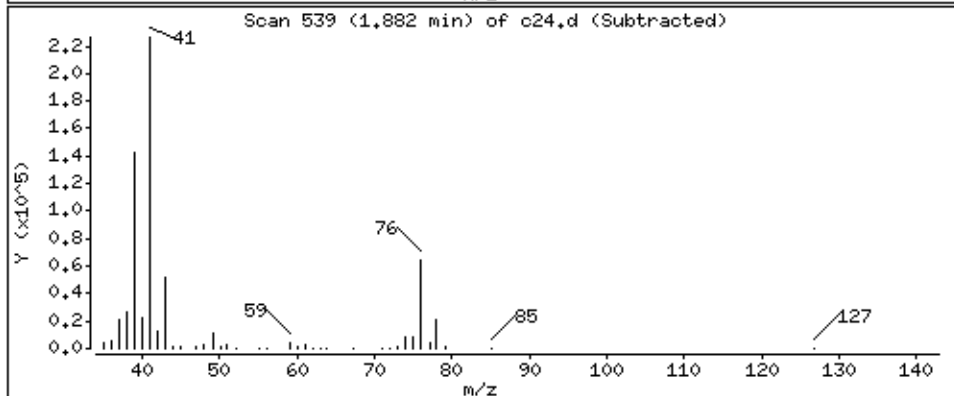
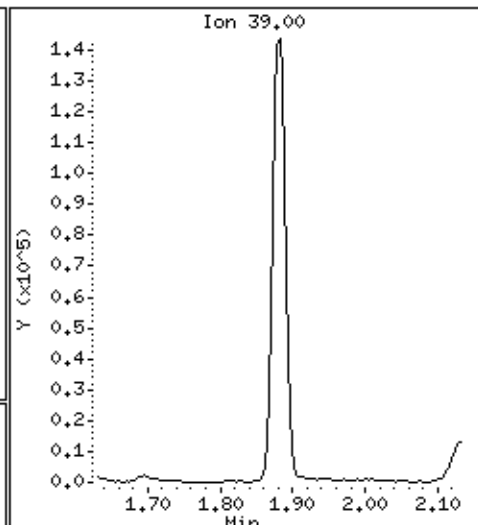
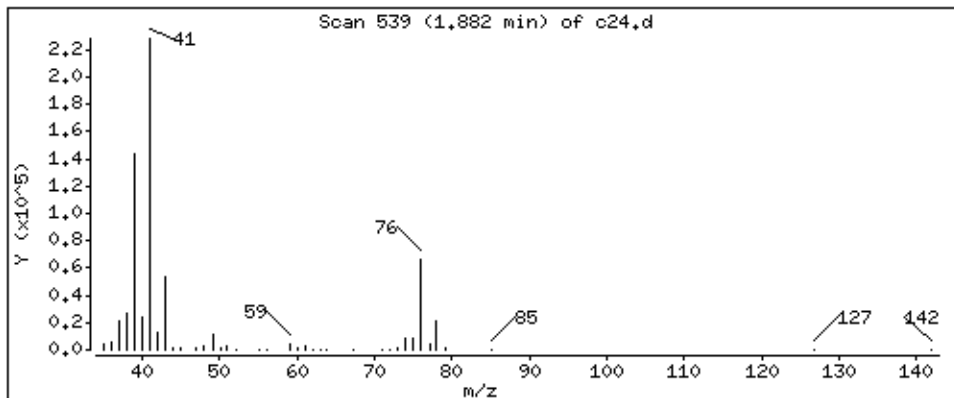
Operator: amv

Column phase: DB-624

Column diameter: 0,18

16 Acetonitrile

Concentration: 33,3 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

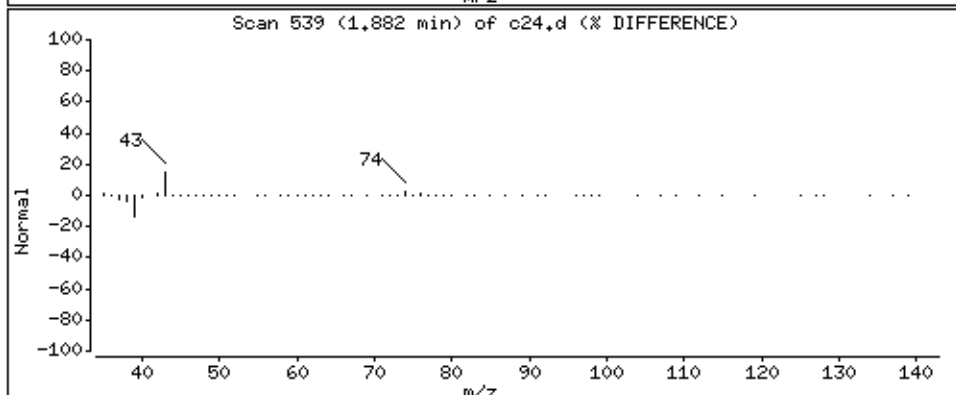
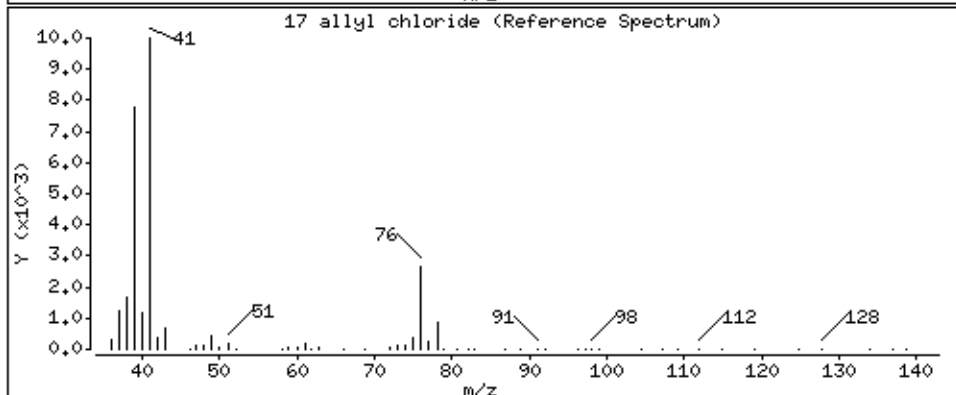
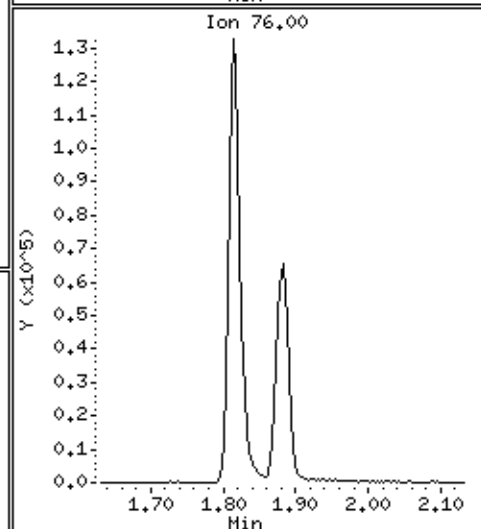
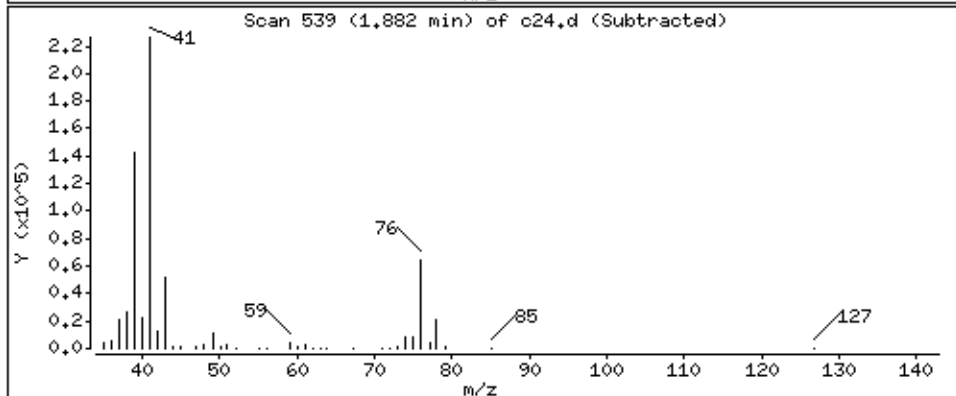
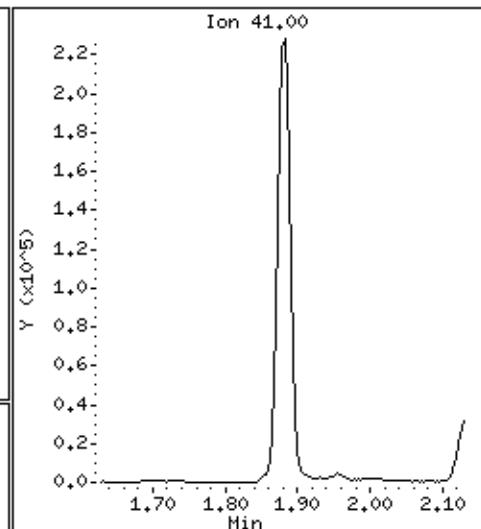
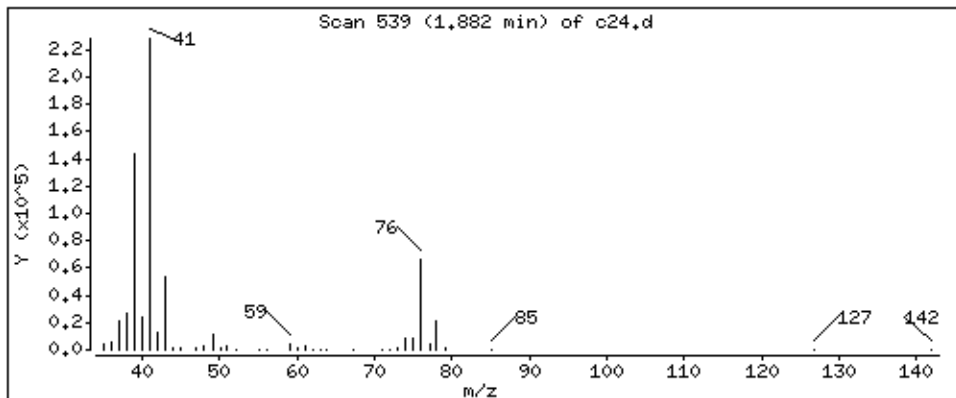
Operator: amv

Column phase: DB-624

Column diameter: 0,18

17 allyl chloride

Concentration: 80,5 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

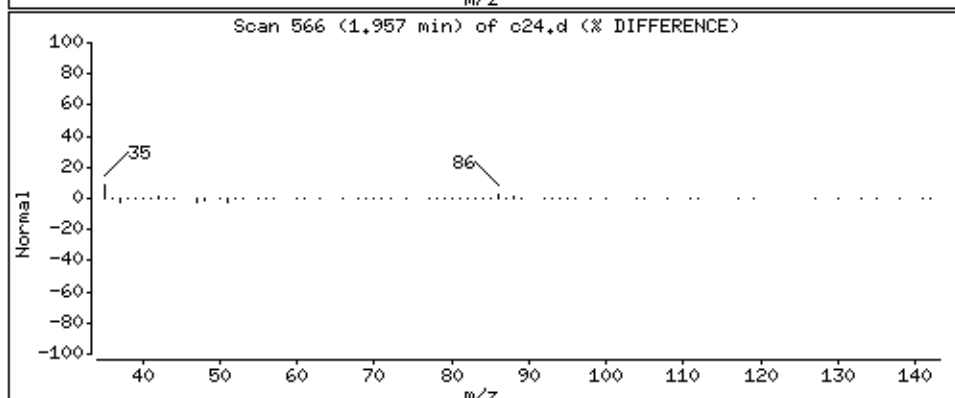
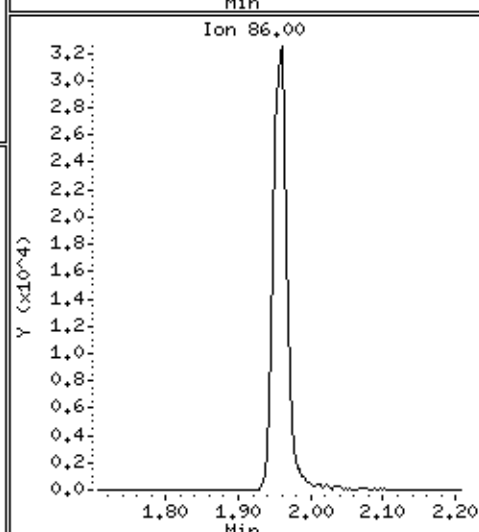
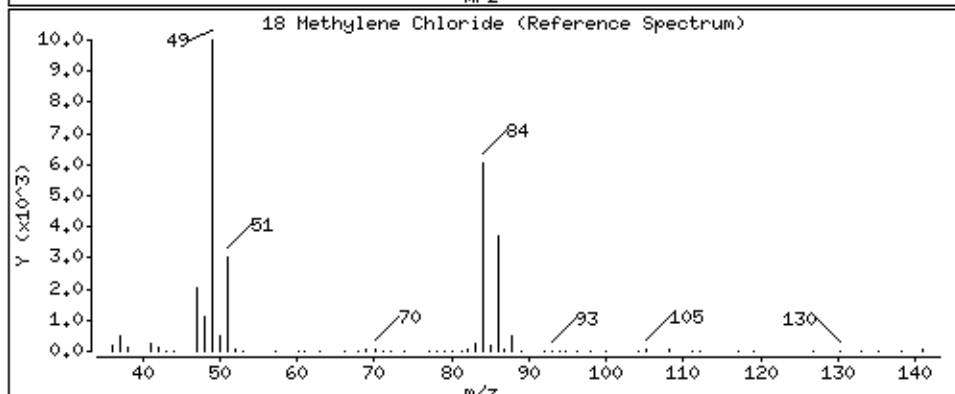
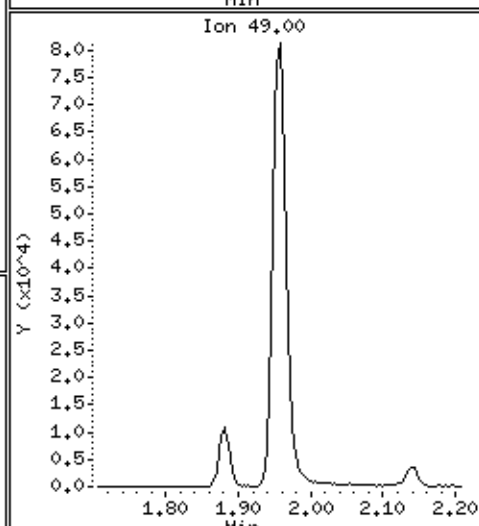
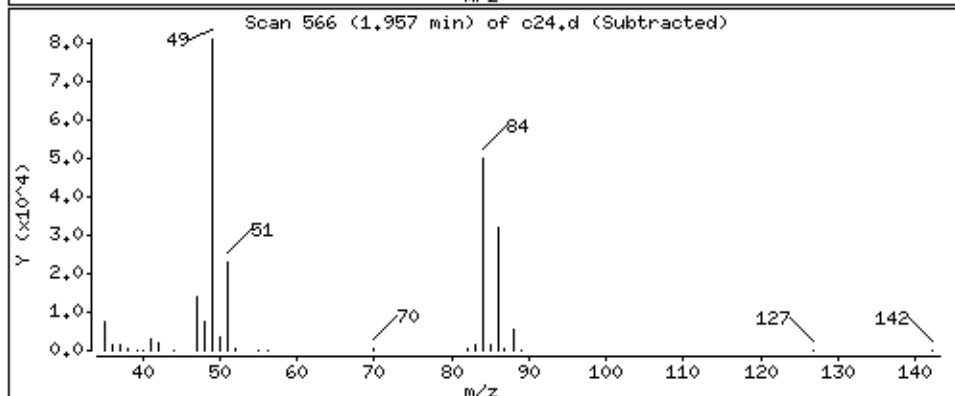
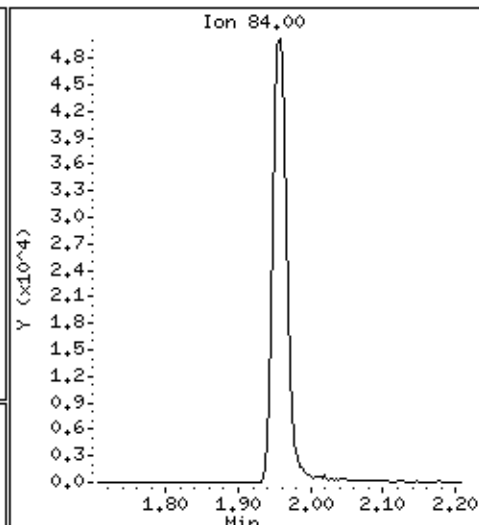
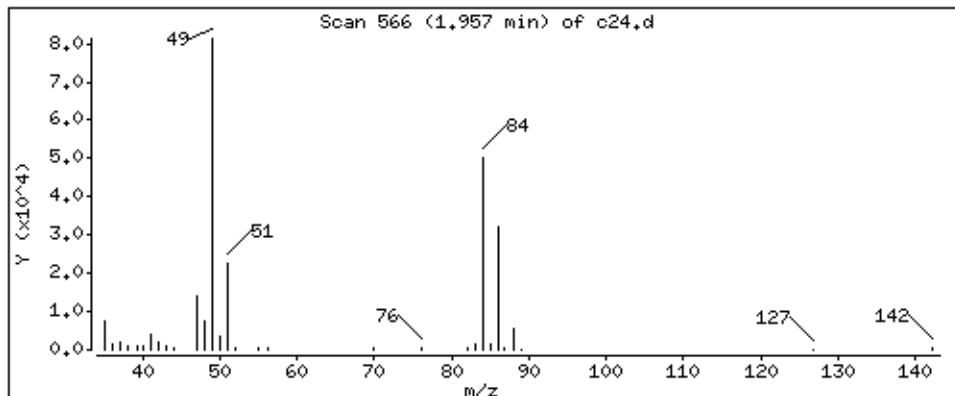
Operator: amv

Column phase: DB-624

Column diameter: 0,18

18 Methylene Chloride

Concentration: 43,7 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

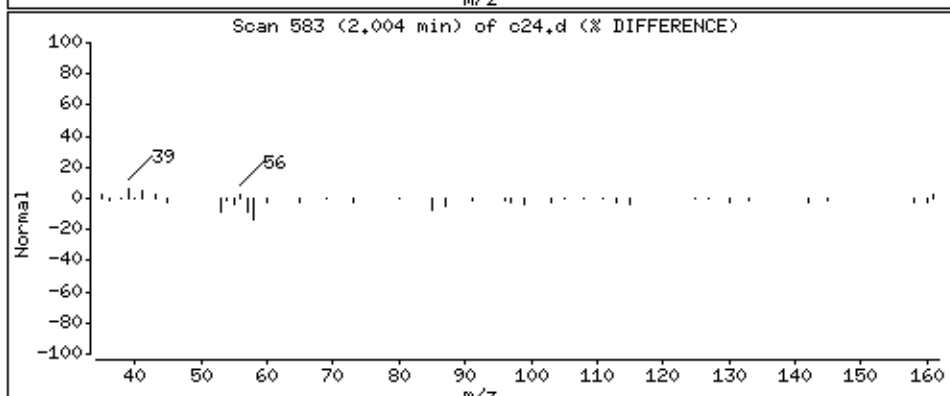
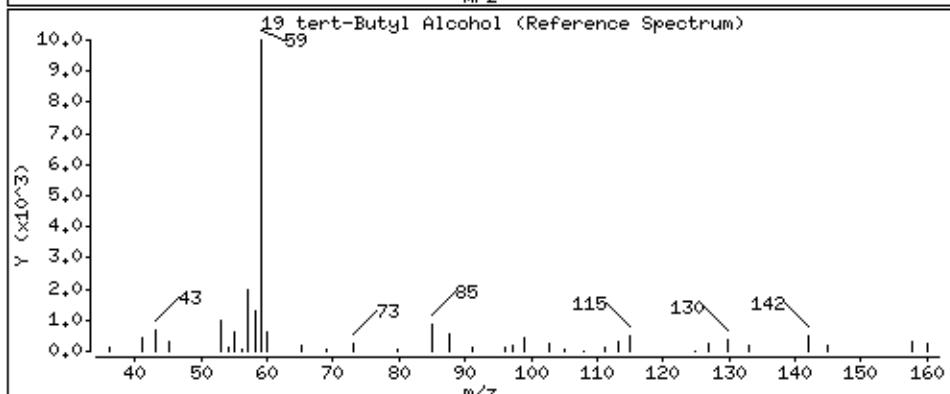
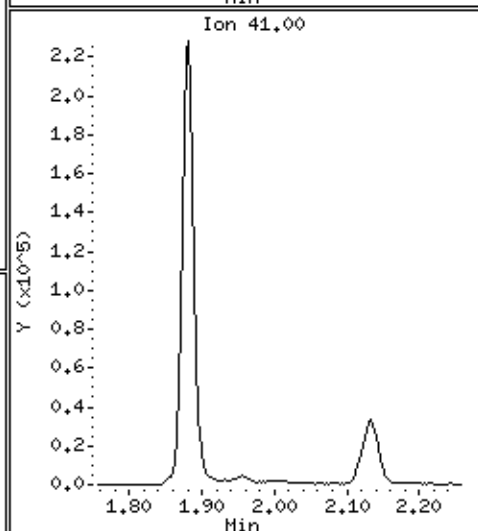
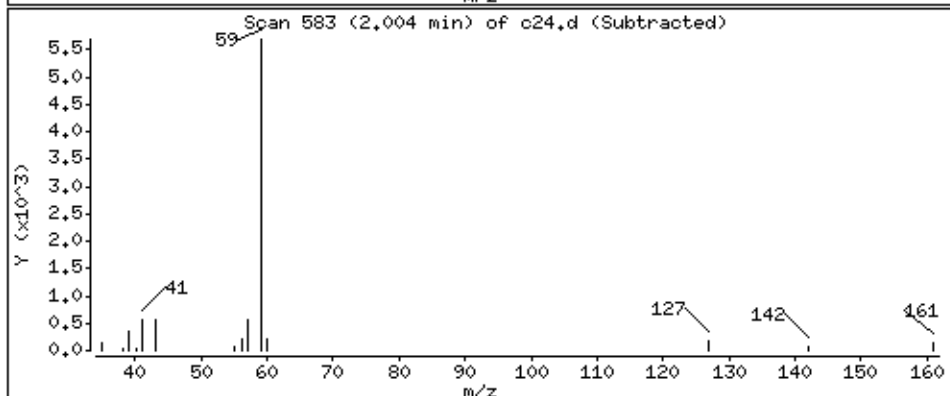
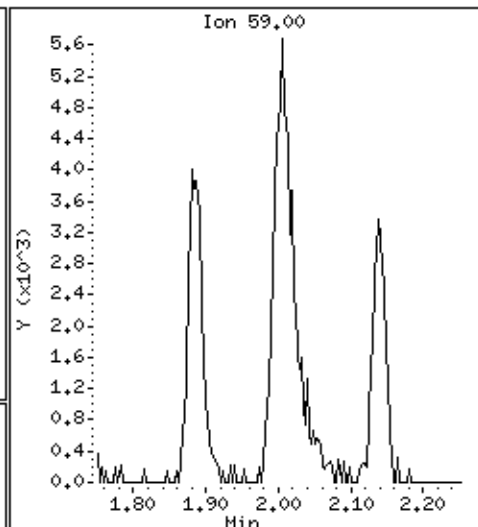
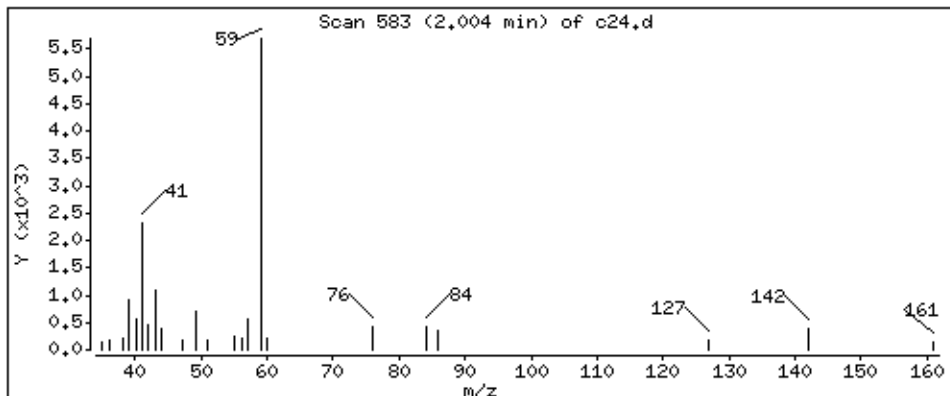
Operator: amv

Column phase: DB-624

Column diameter: 0,18

19 tert-Butyl Alcohol

Concentration: 77.7 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

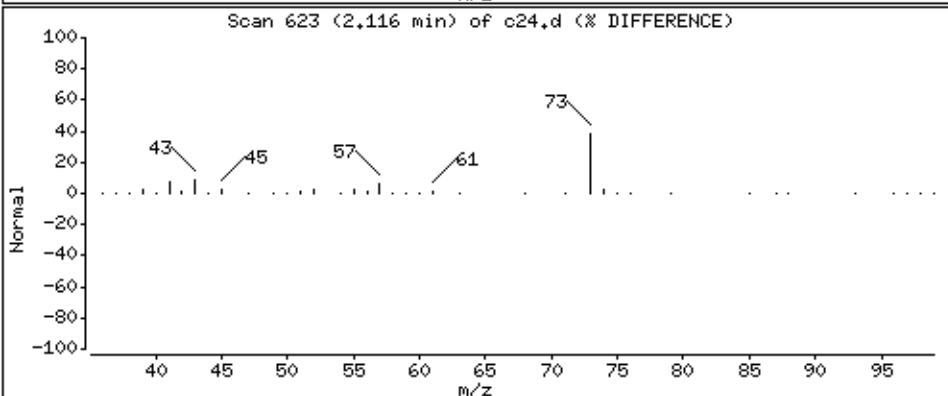
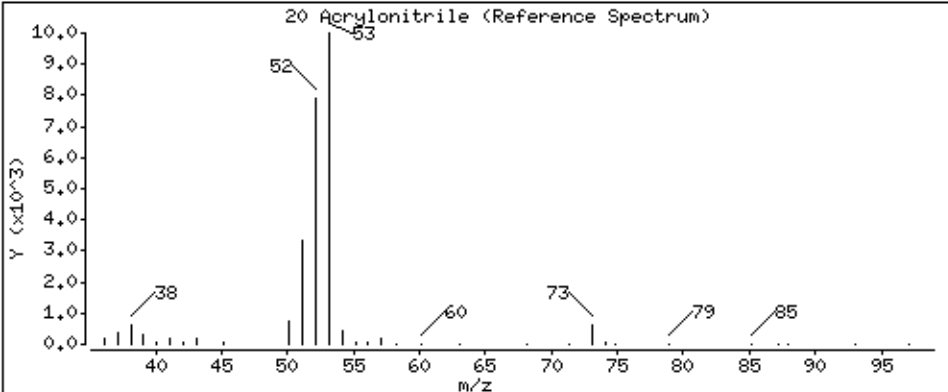
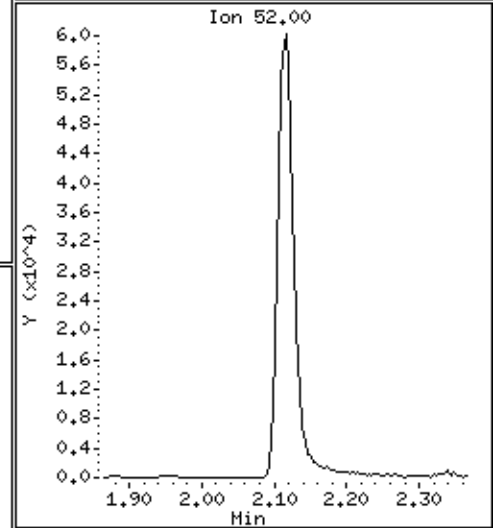
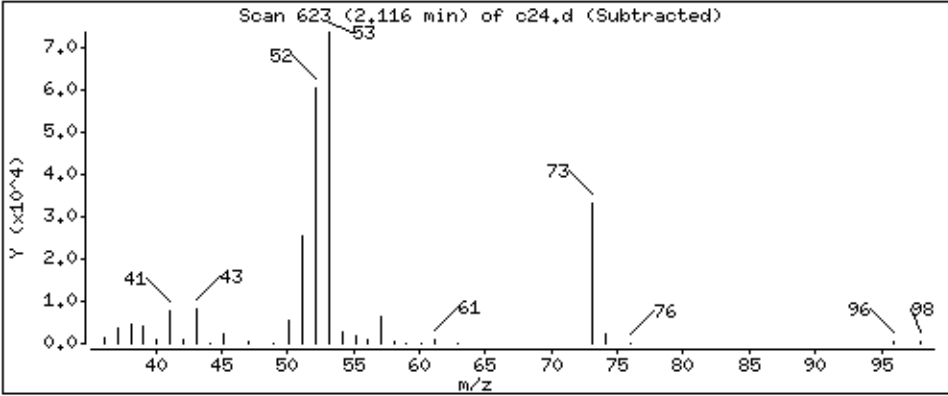
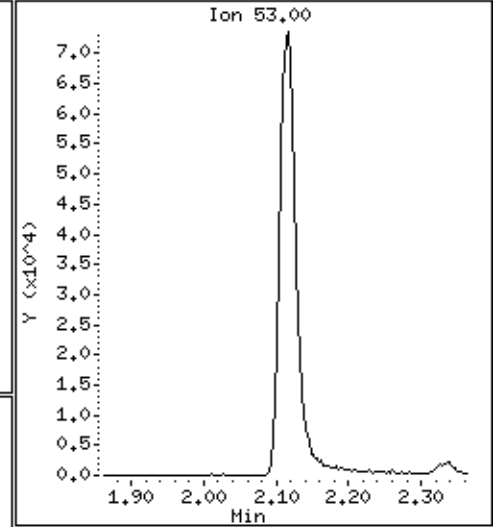
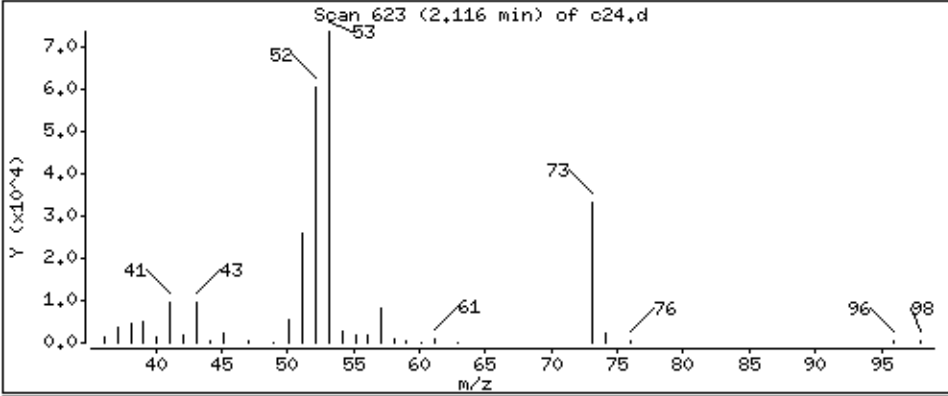
Operator: amv

Column phase: DB-624

Column diameter: 0,18

20 Acrylonitrile

Concentration: 171 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291MS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

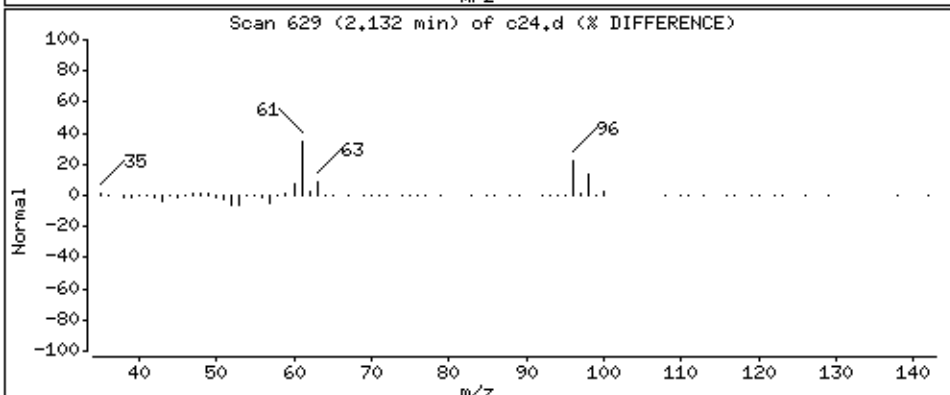
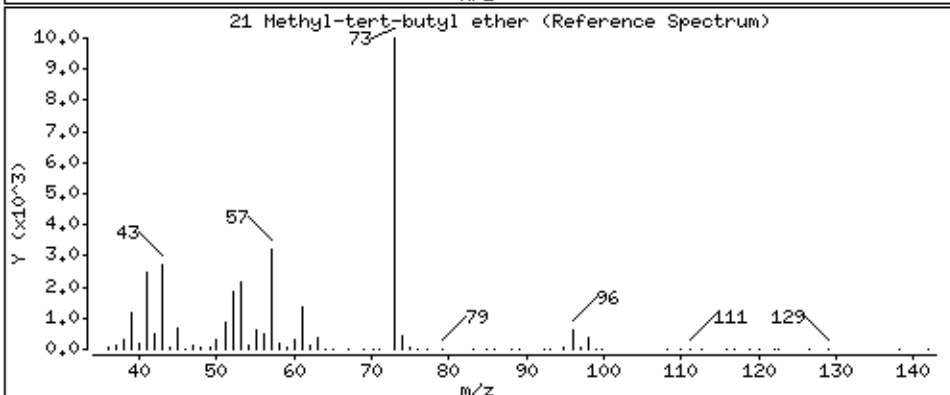
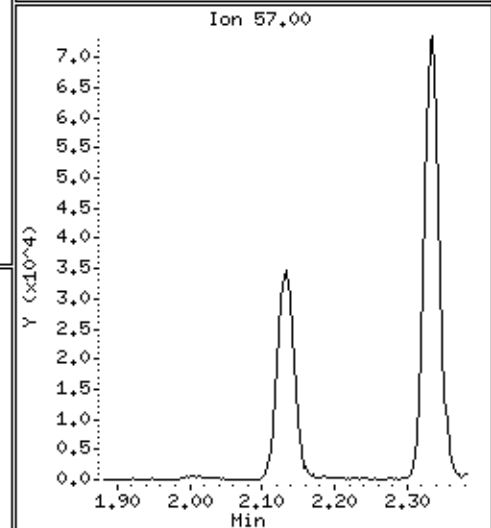
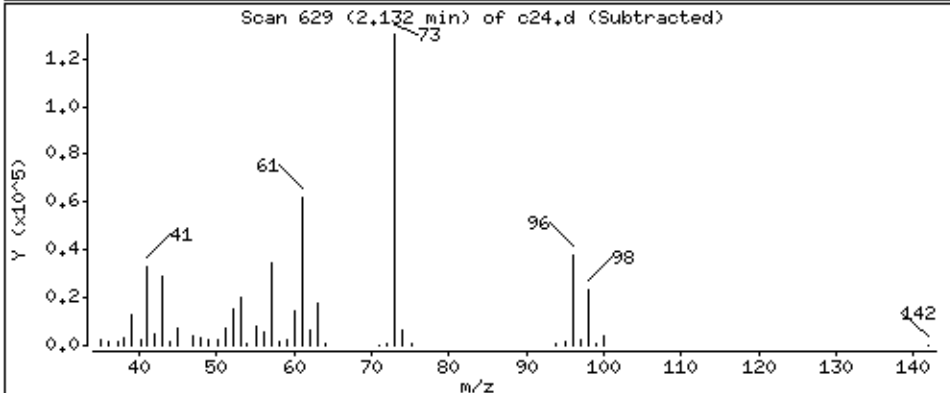
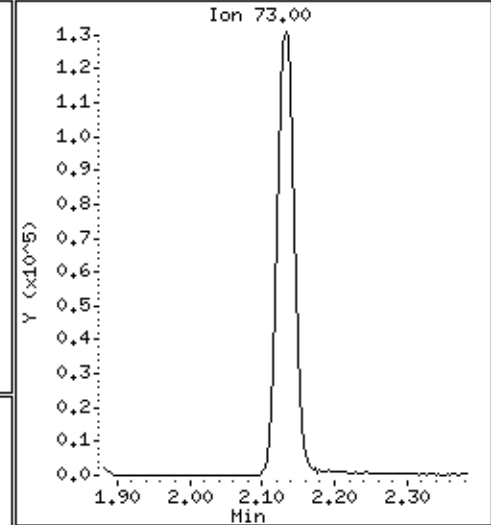
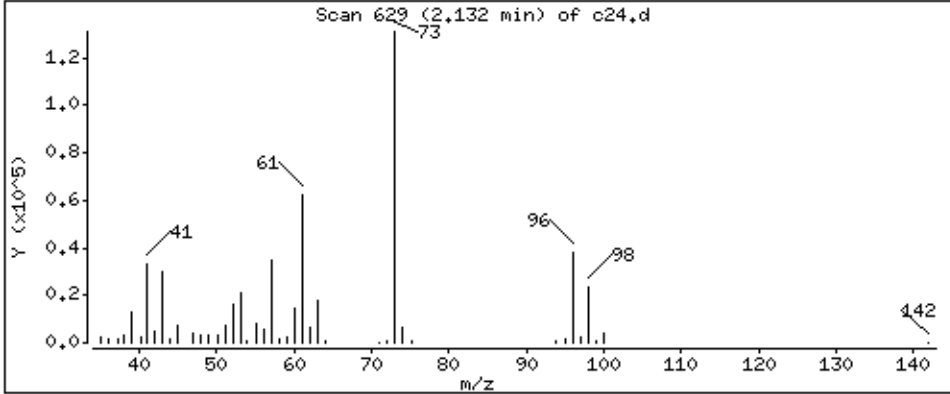
Operator: amv

Column phase: DB-624

Column diameter: 0,18

21 Methyl-tert-butyl ether

Concentration: 44,1 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291MS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

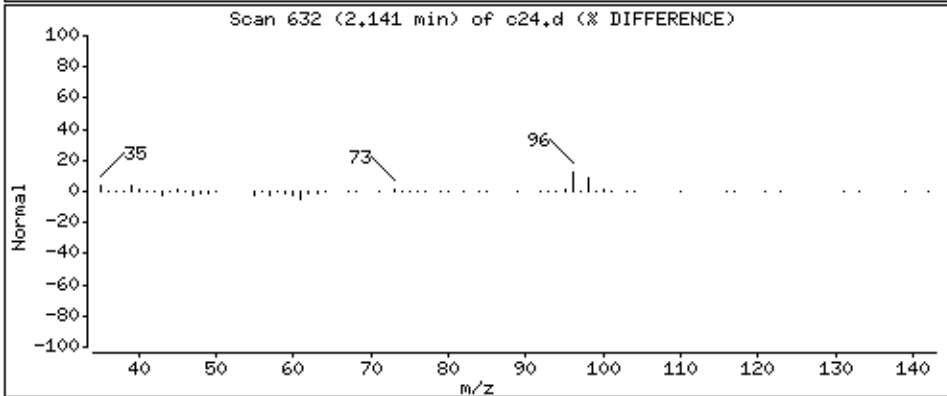
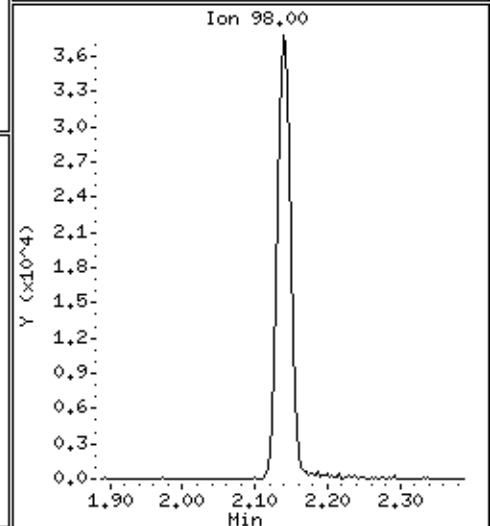
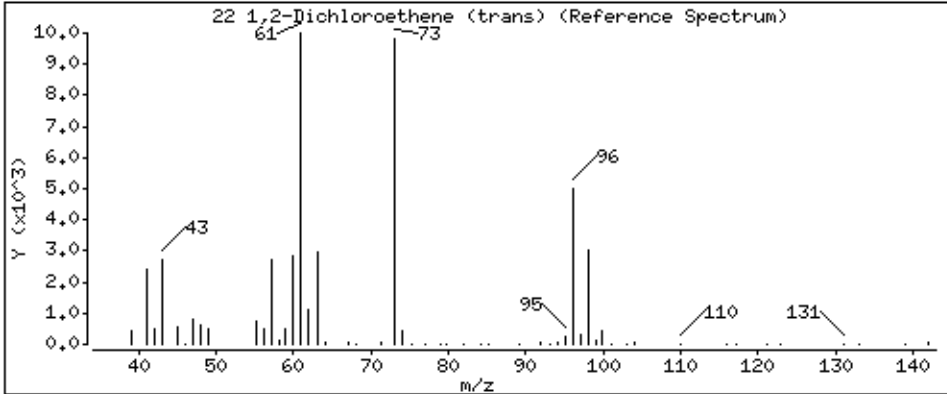
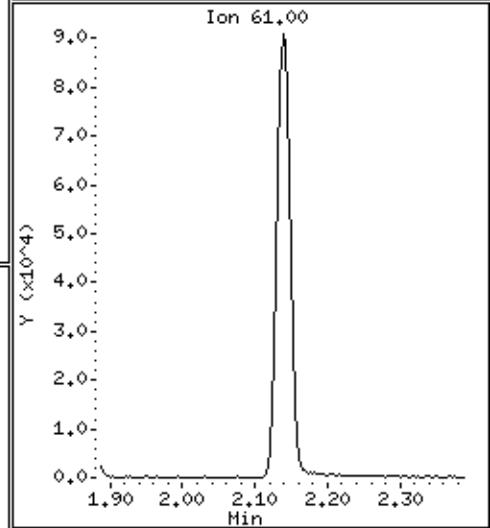
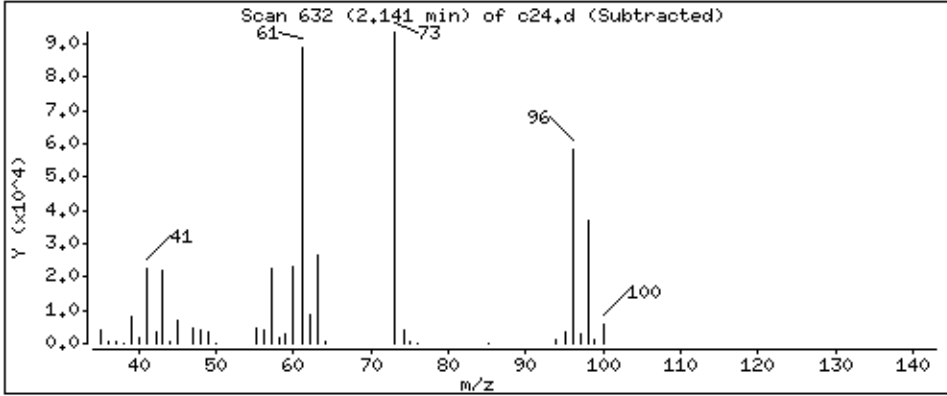
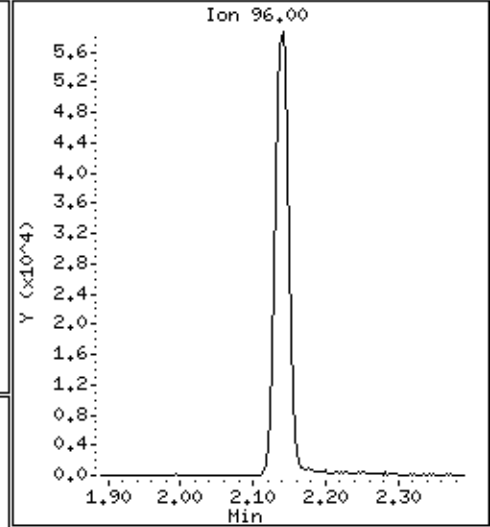
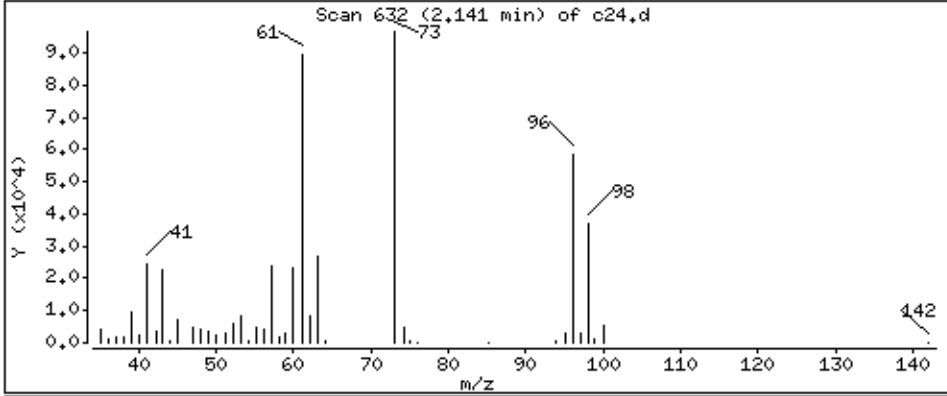
Operator: amv

Column phase: DB-624

Column diameter: 0,18

22 1,2-Dichloroethene (trans)

Concentration: 43,0 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

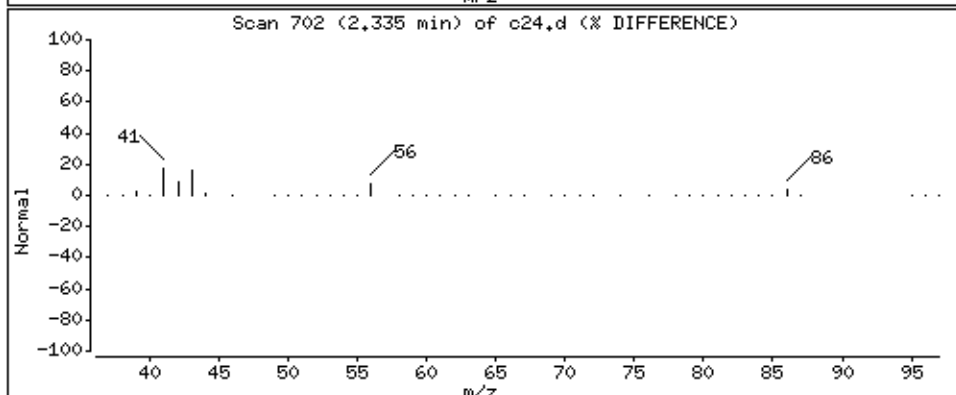
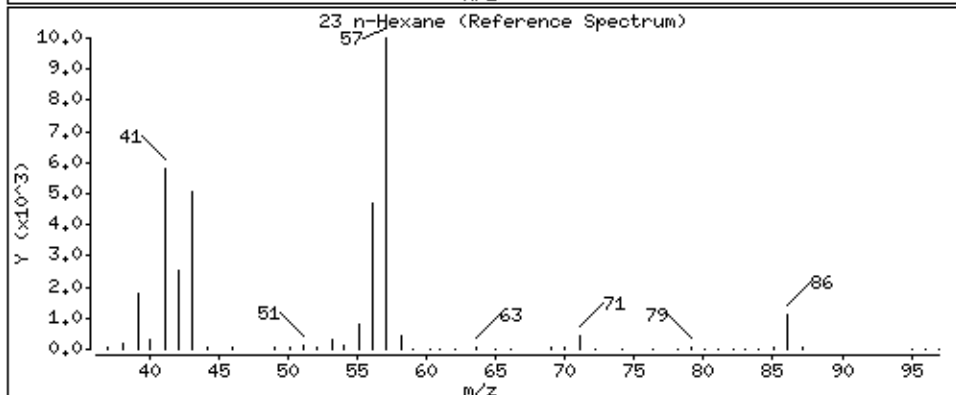
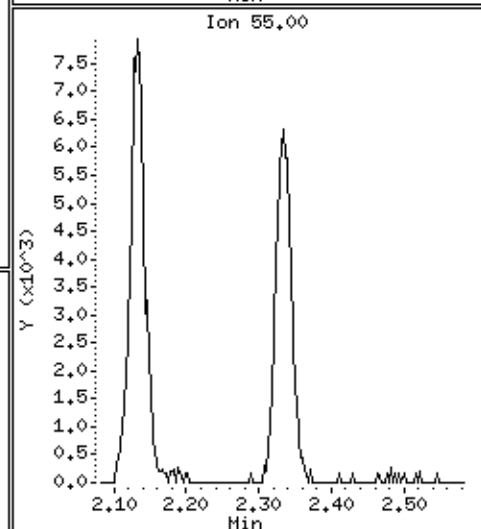
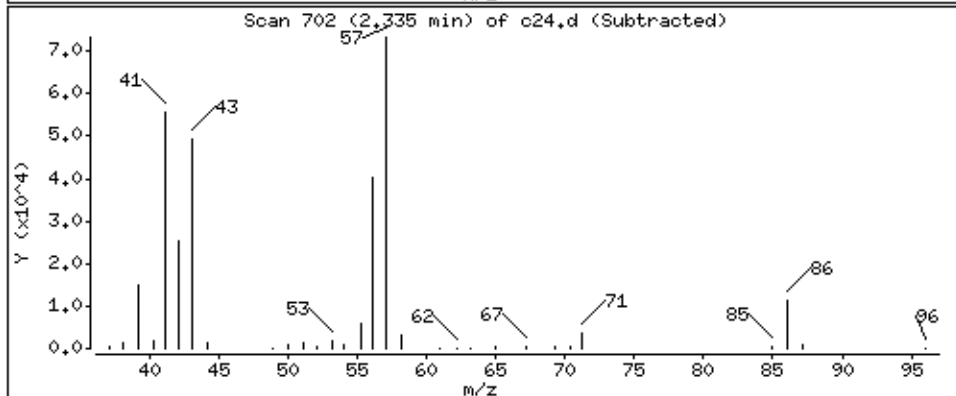
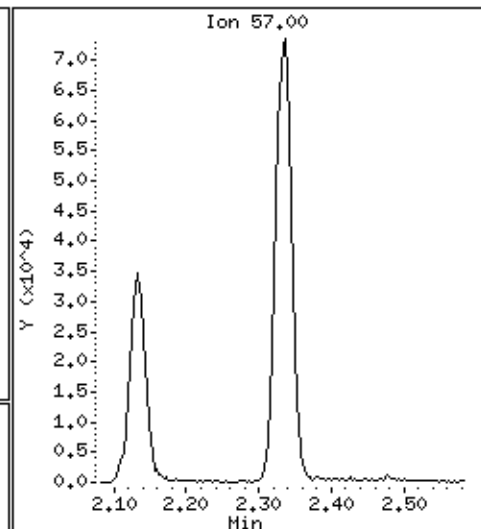
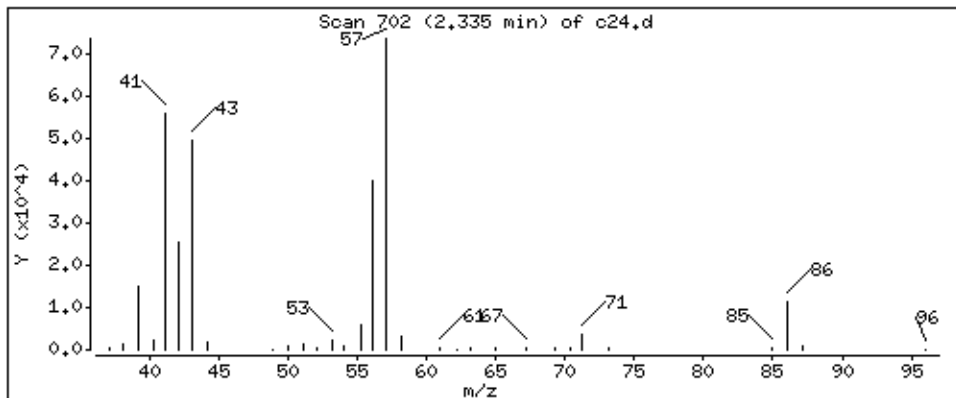
Operator: amv

Column phase: DB-624

Column diameter: 0,18

23 n-Hexane

Concentration: 34,0 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

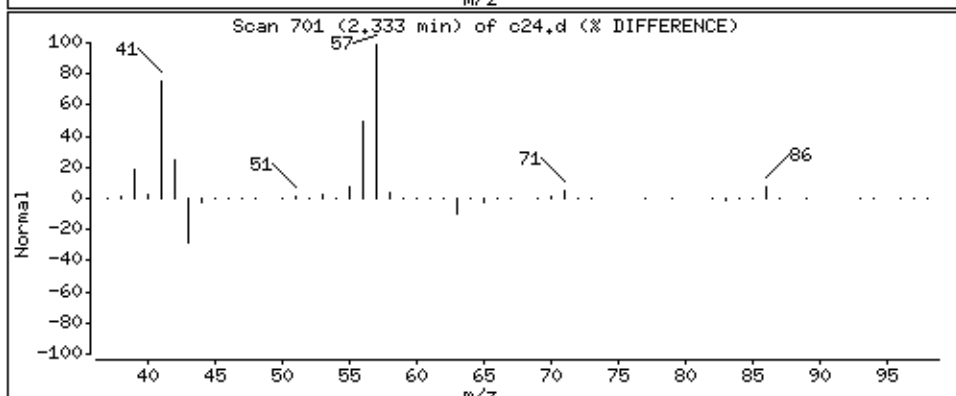
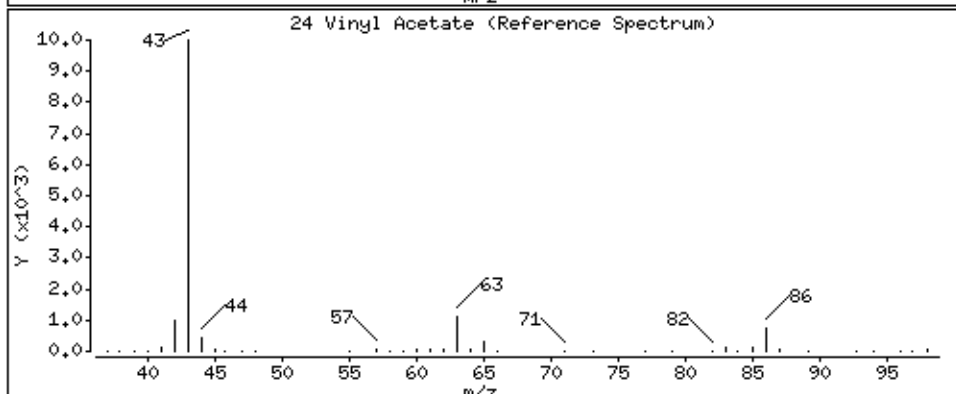
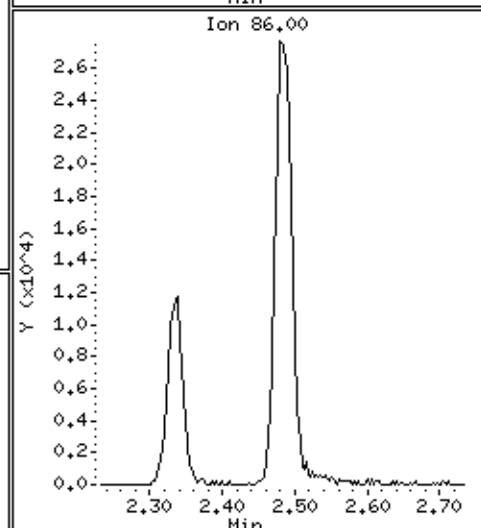
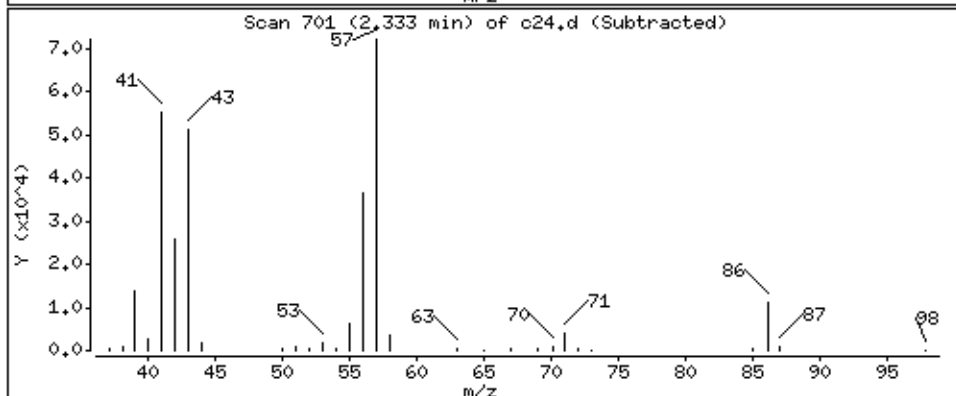
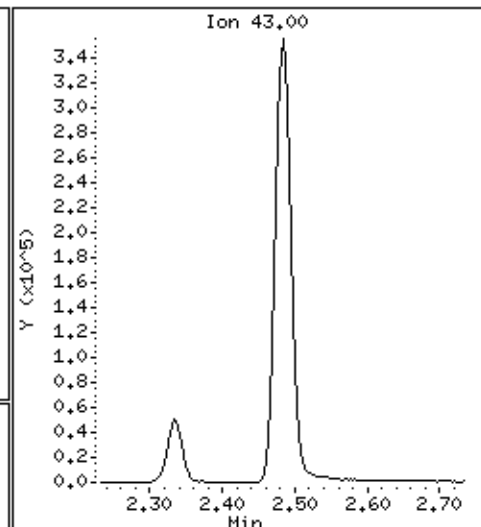
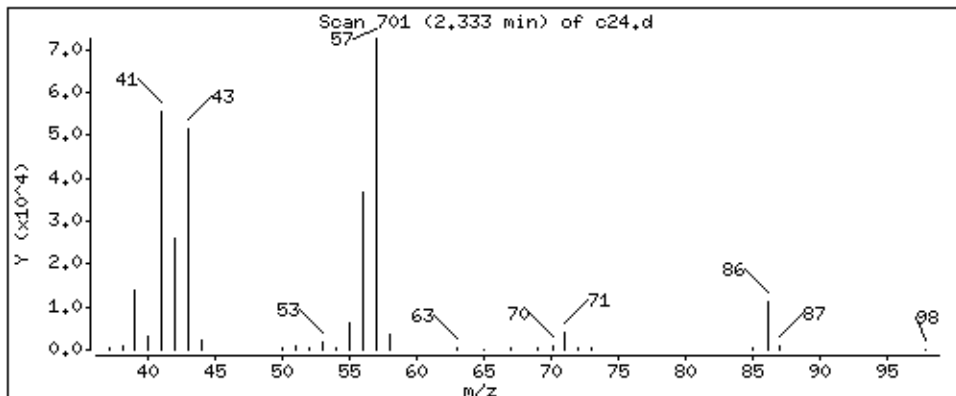
Operator: amv

Column phase: DB-624

Column diameter: 0,18

24 Vinyl Acetate

Concentration: 14,2 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

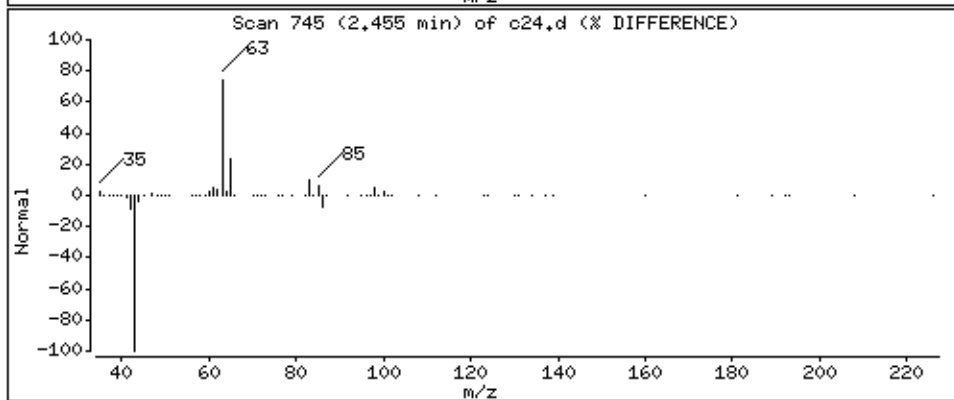
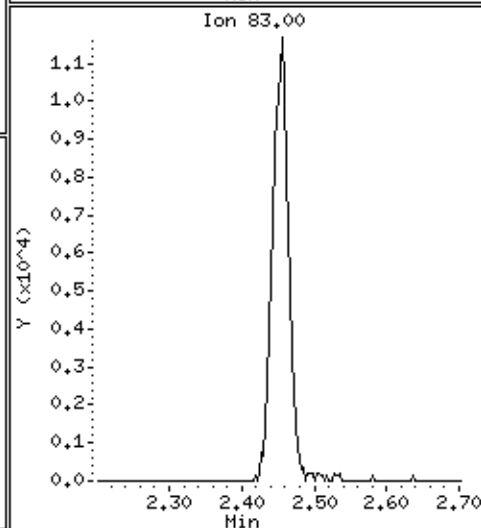
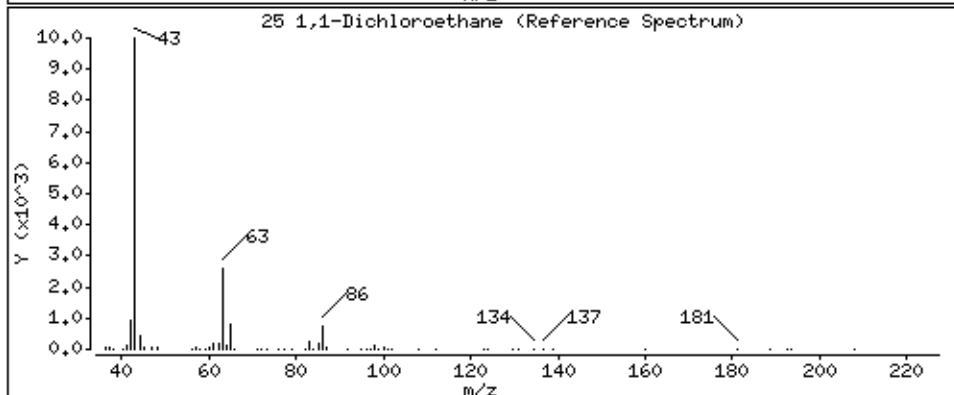
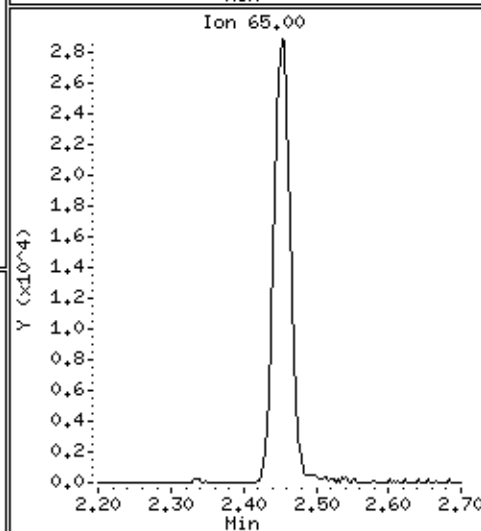
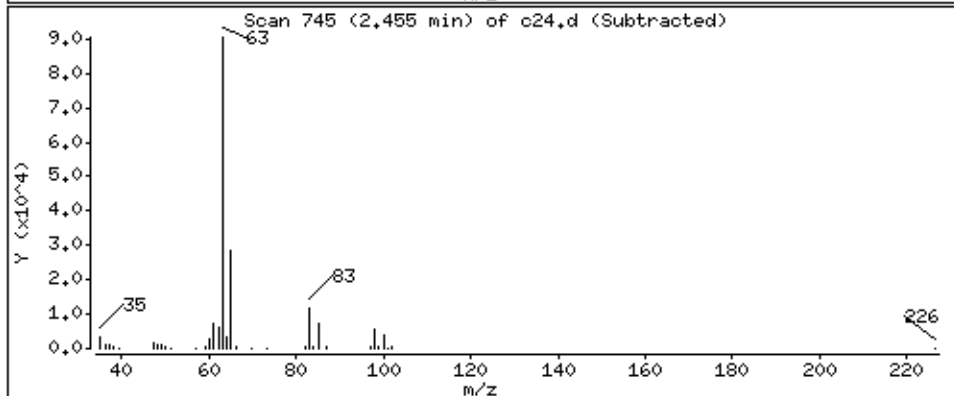
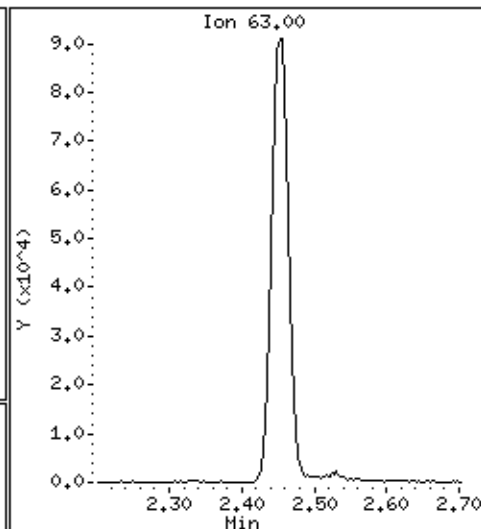
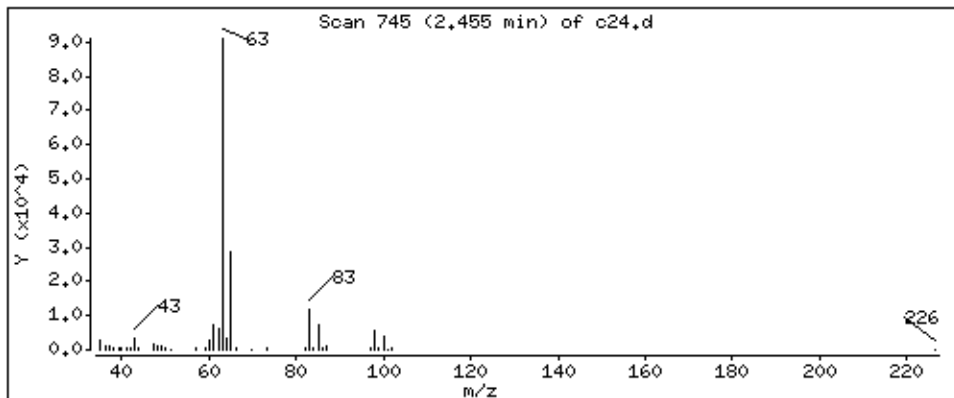
Operator: amv

Column phase: DB-624

Column diameter: 0,18

25 1,1-Dichloroethane

Concentration: 44,5 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

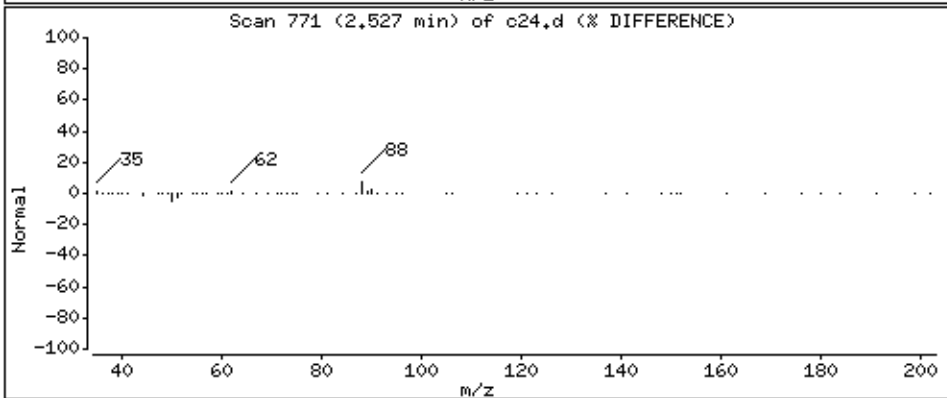
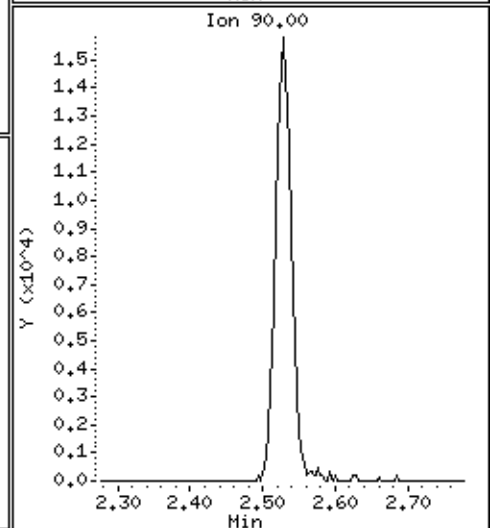
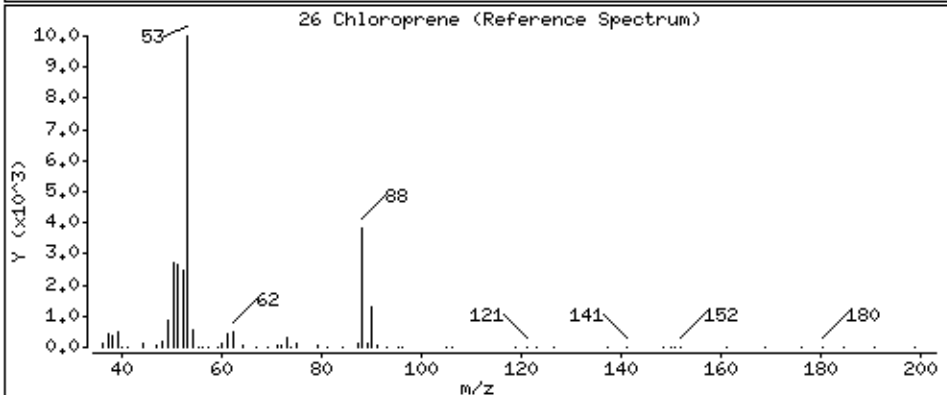
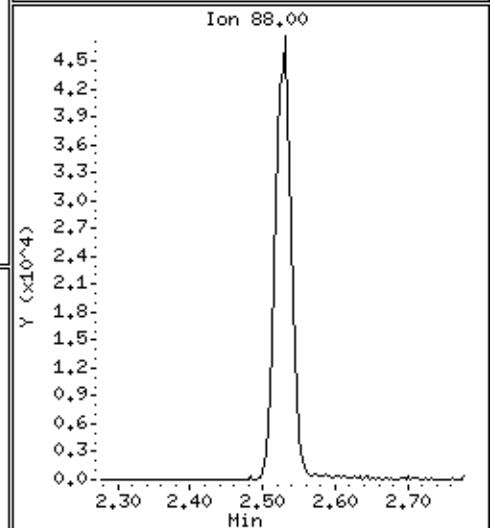
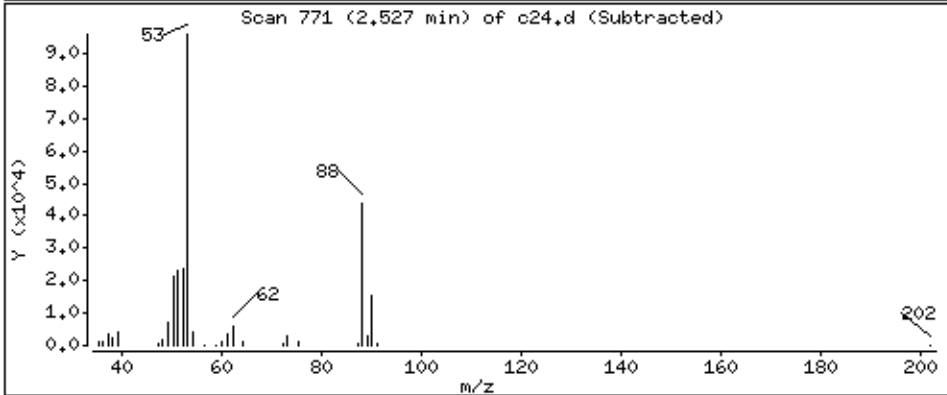
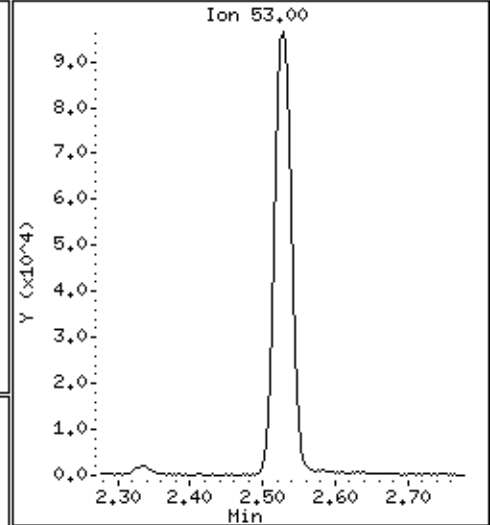
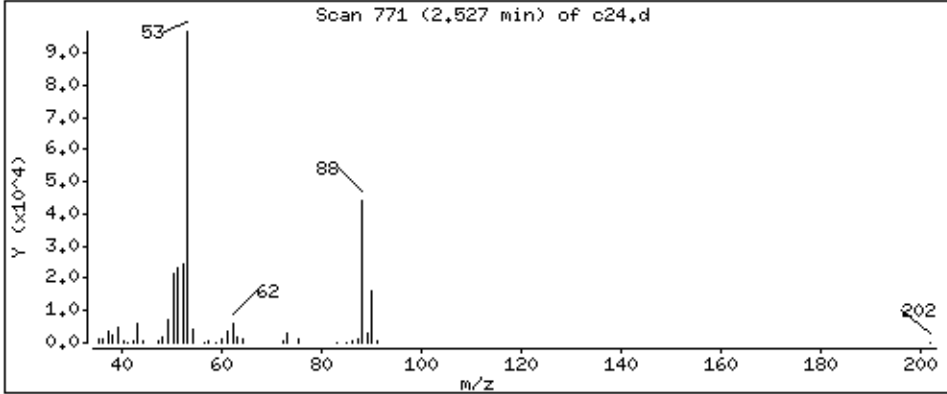
Operator: amv

Column phase: DB-624

Column diameter: 0,18

26 Chloroprene

Concentration: 41.8 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

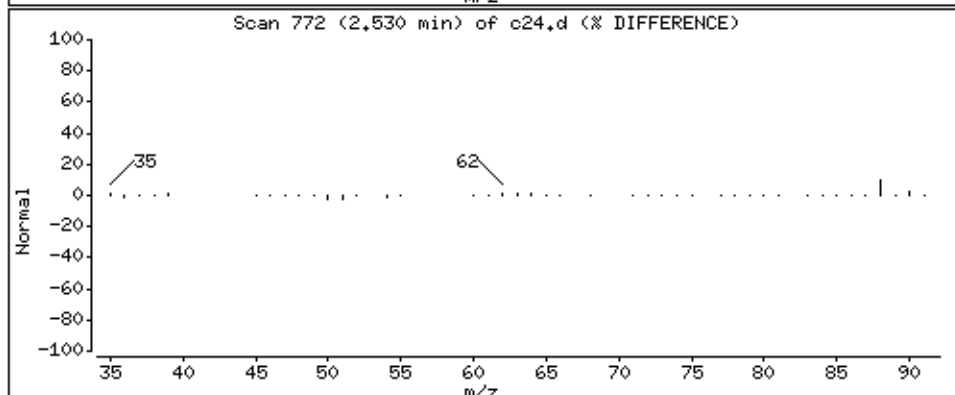
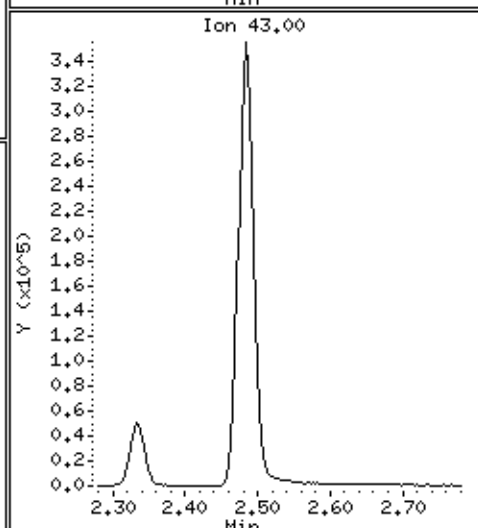
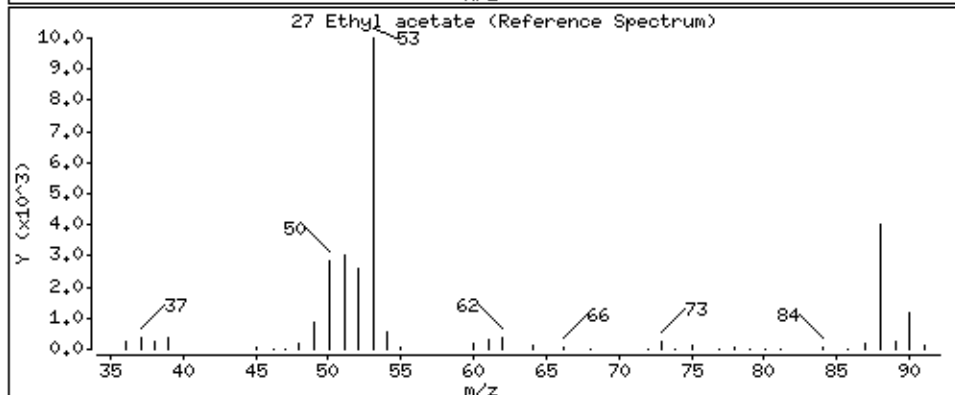
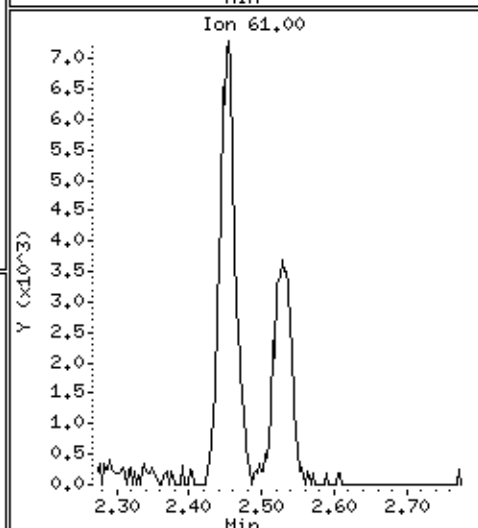
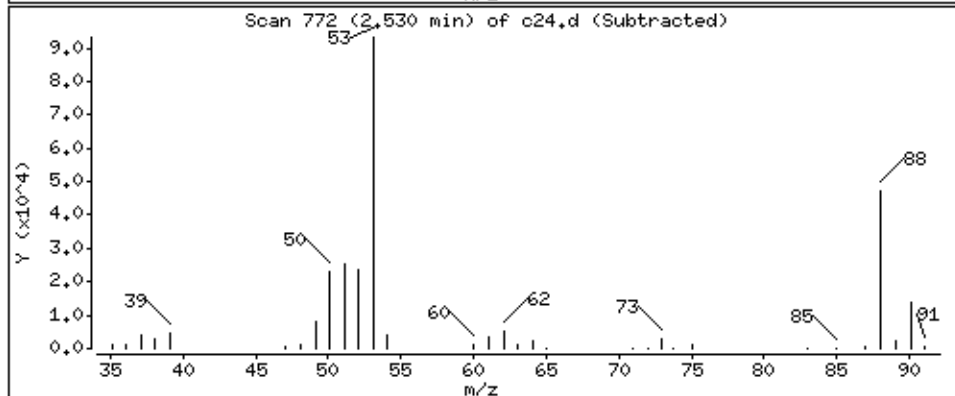
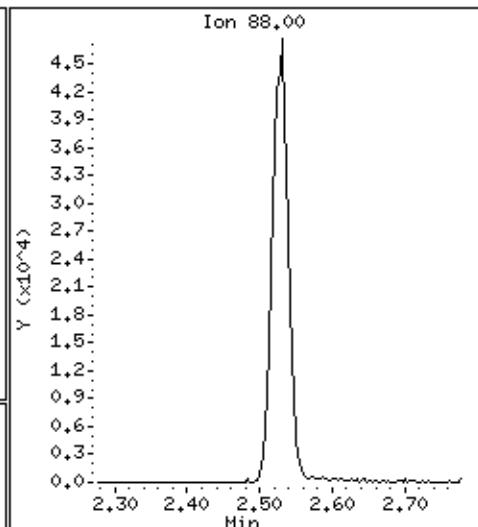
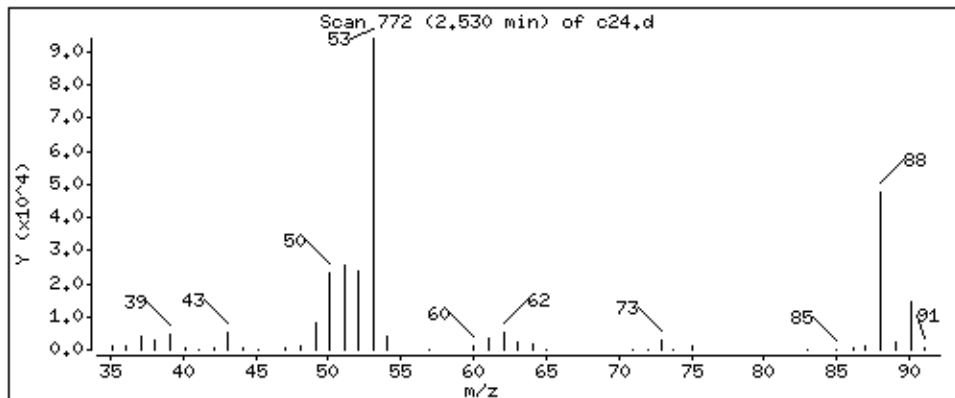
Operator: amv

Column phase: DB-624

Column diameter: 0,18

27 Ethyl acetate

Concentration: 373 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

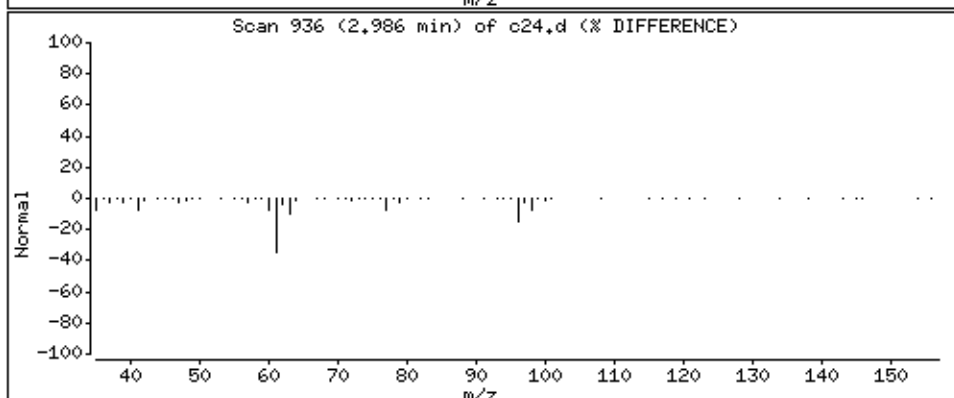
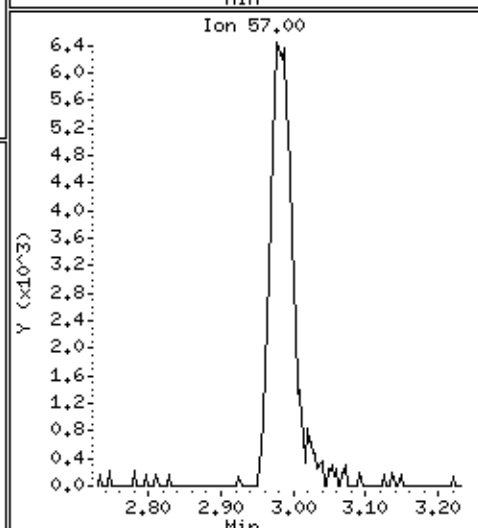
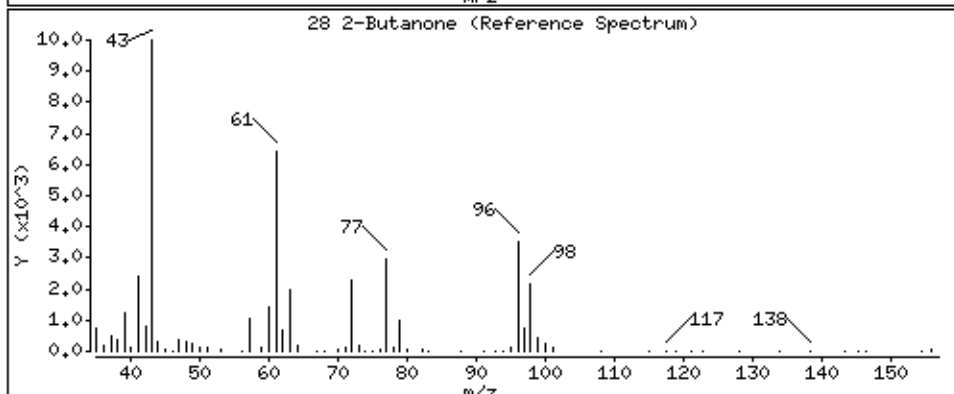
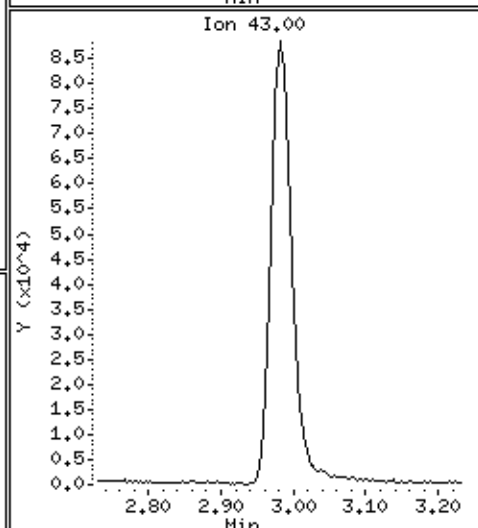
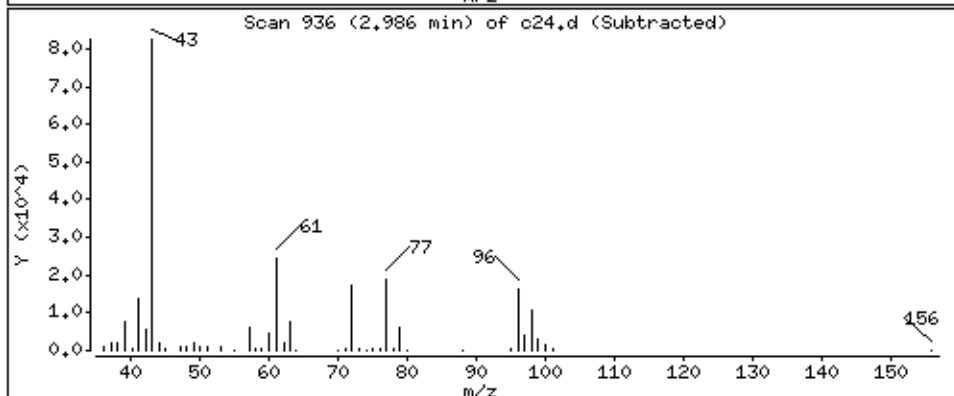
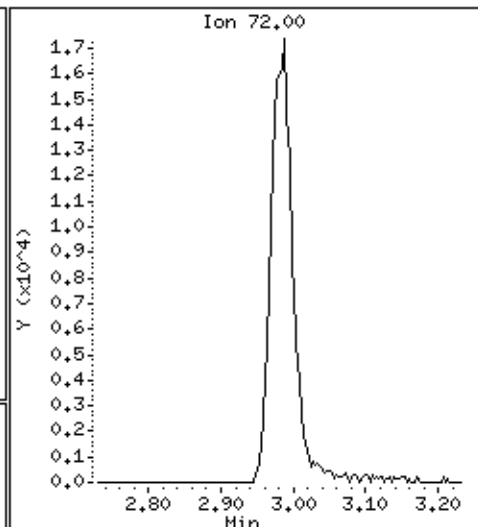
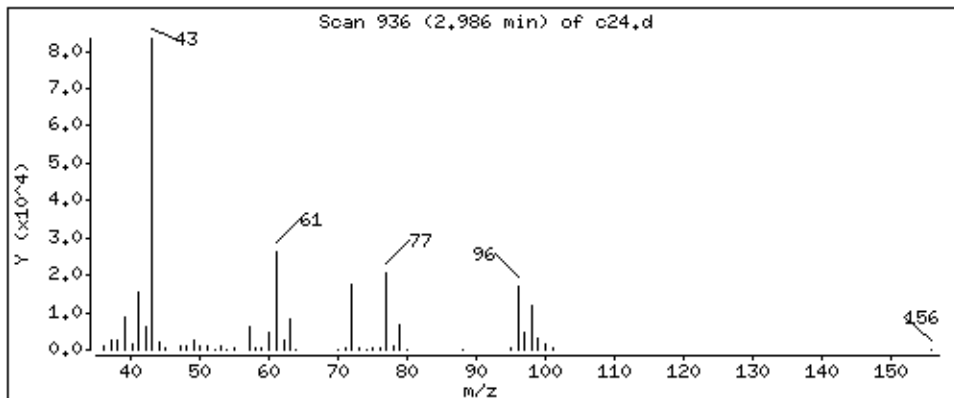
Operator: amv

Column phase: DB-624

Column diameter: 0,18

28 2-Butanone

Concentration: 228 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

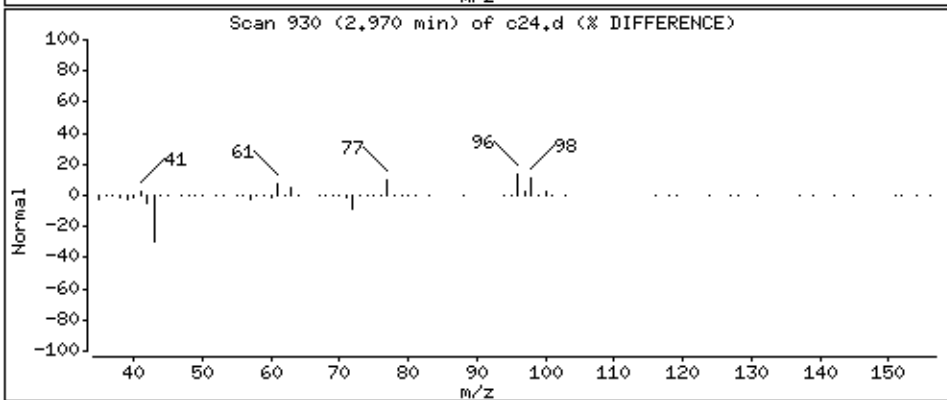
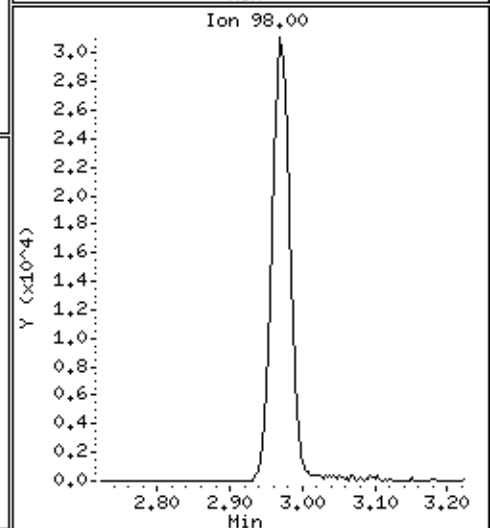
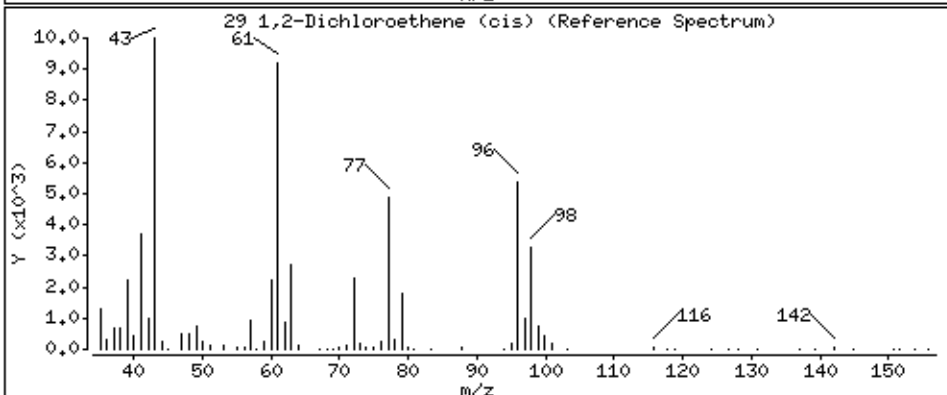
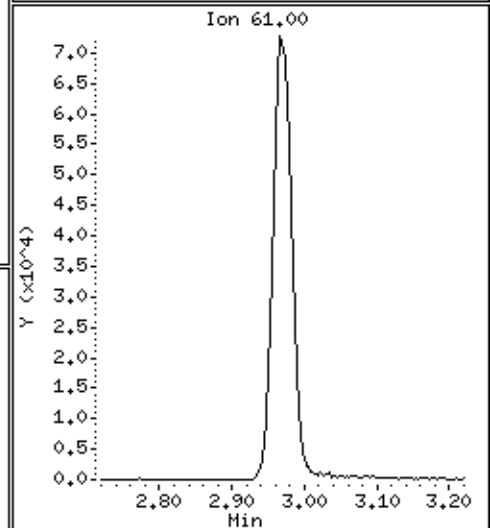
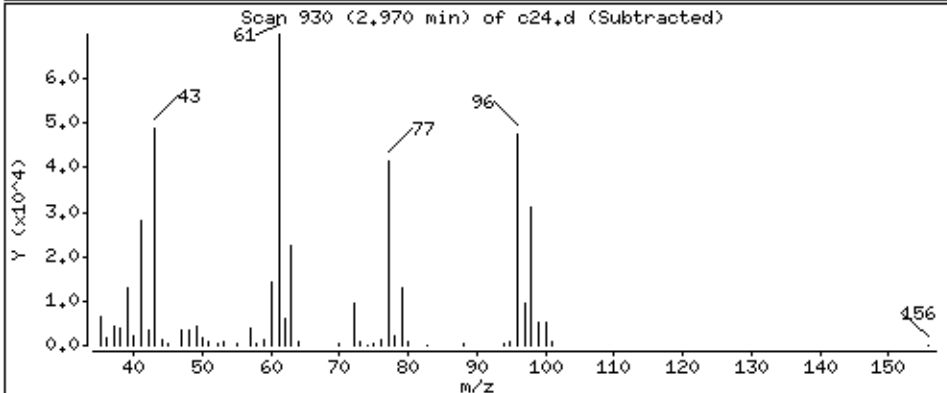
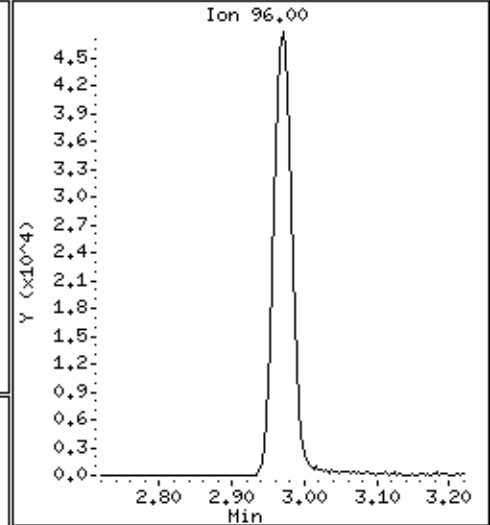
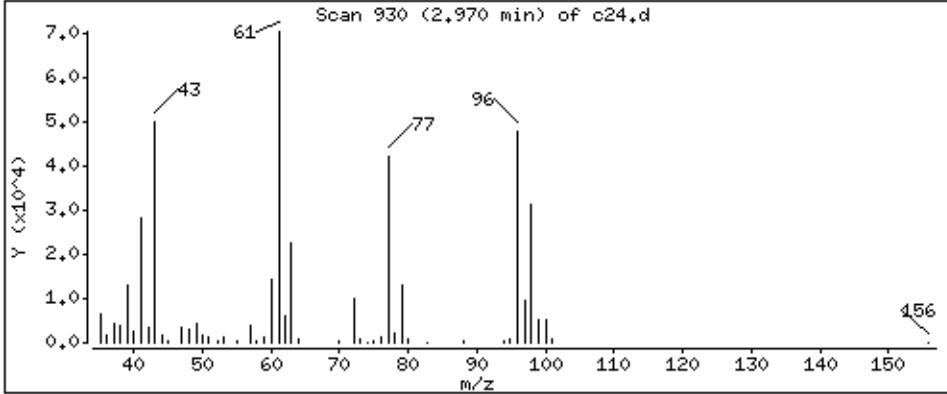
Operator: amv

Column phase: DB-624

Column diameter: 0,18

29 1,2-Dichloroethene (cis)

Concentration: 43,9 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

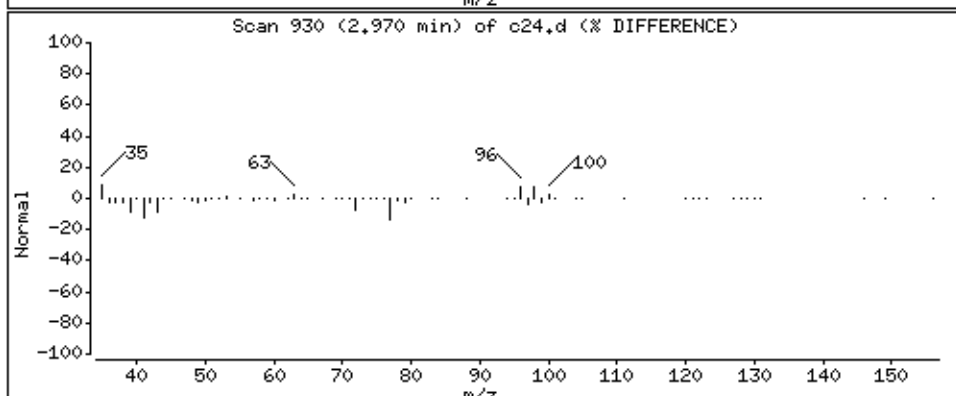
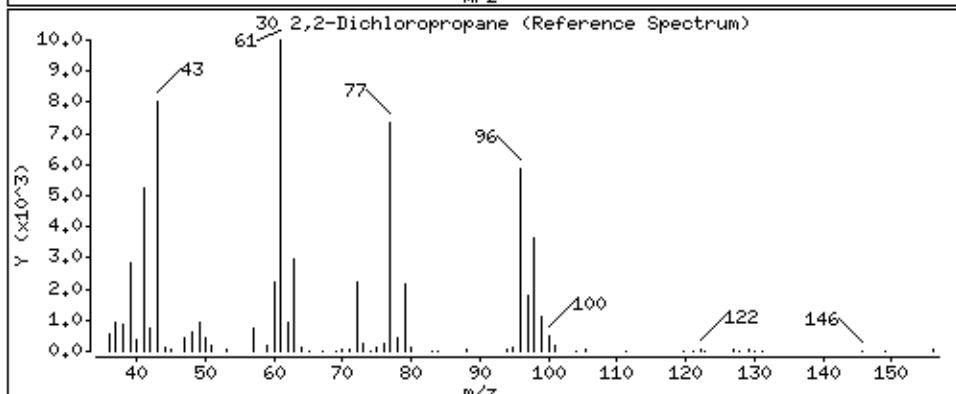
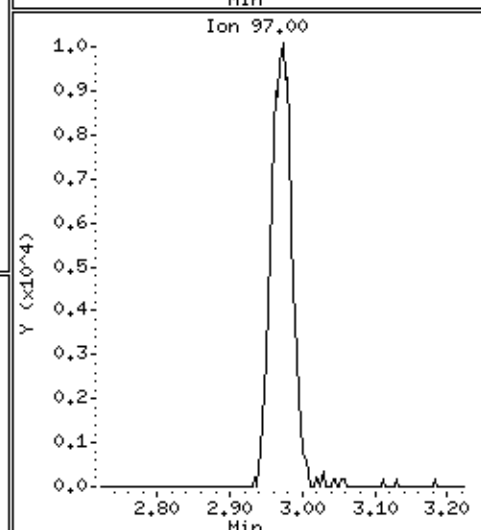
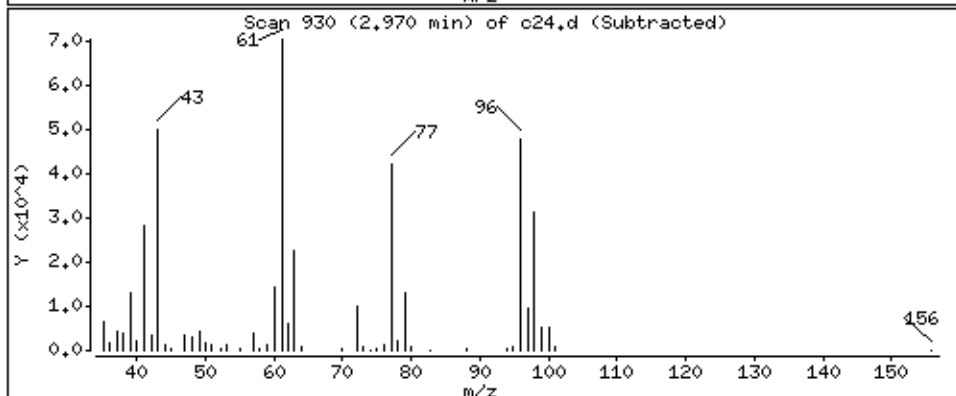
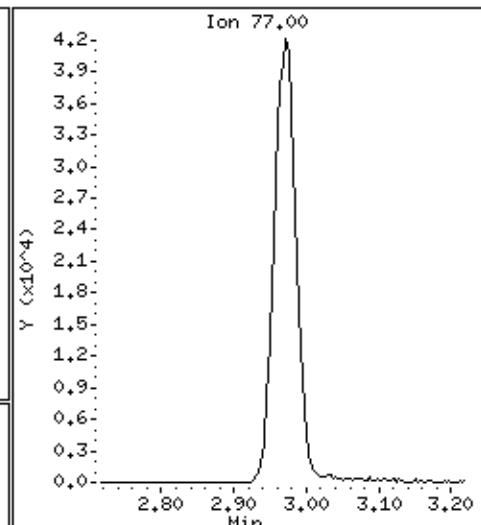
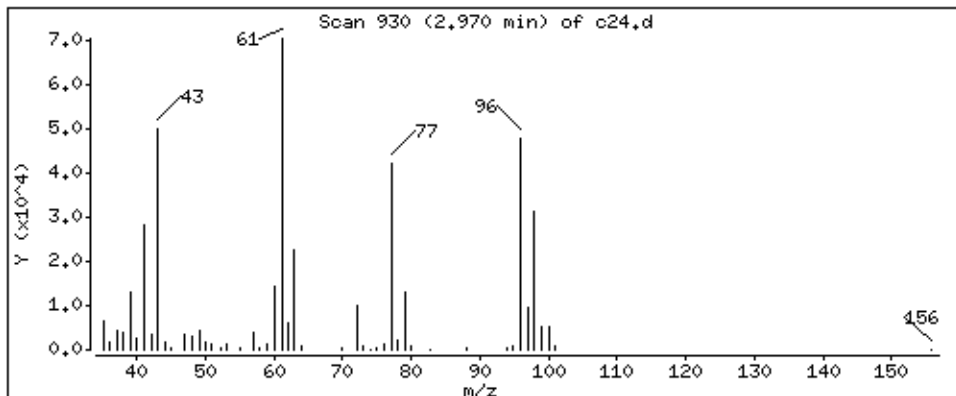
Operator: amv

Column phase: DB-624

Column diameter: 0,18

30 2,2-Dichloropropane

Concentration: 32,5 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

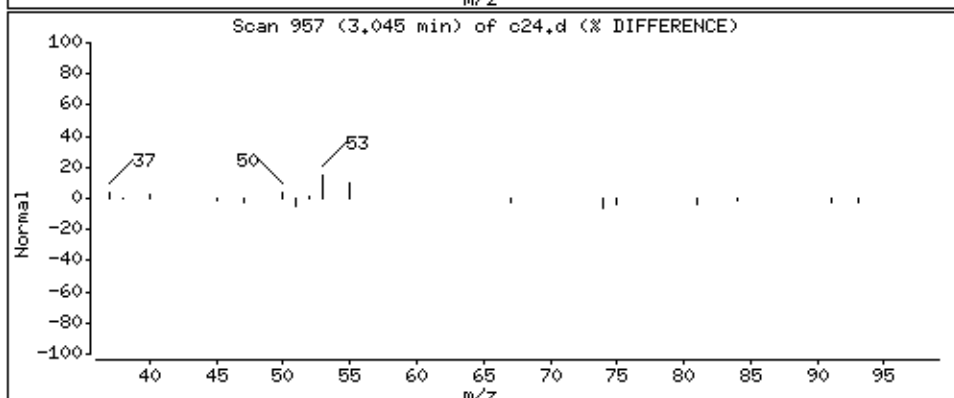
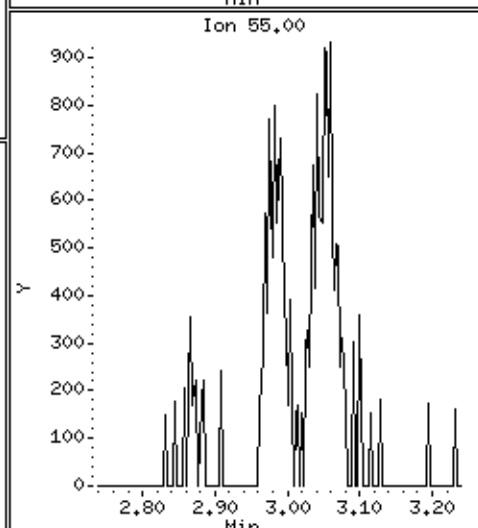
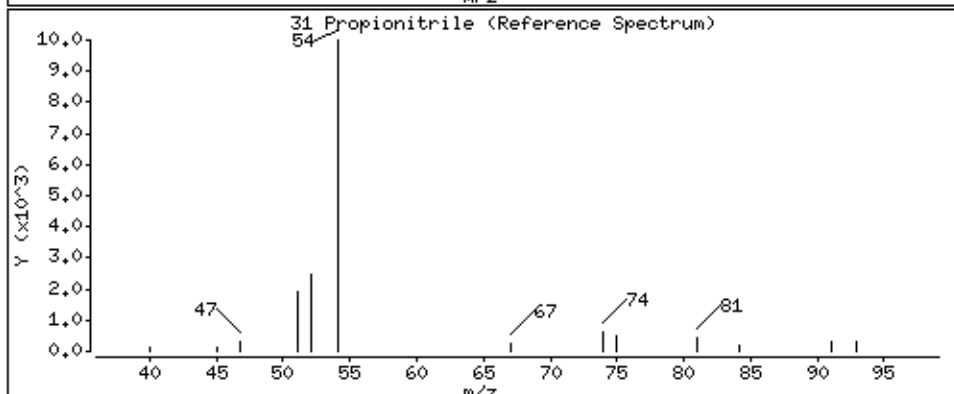
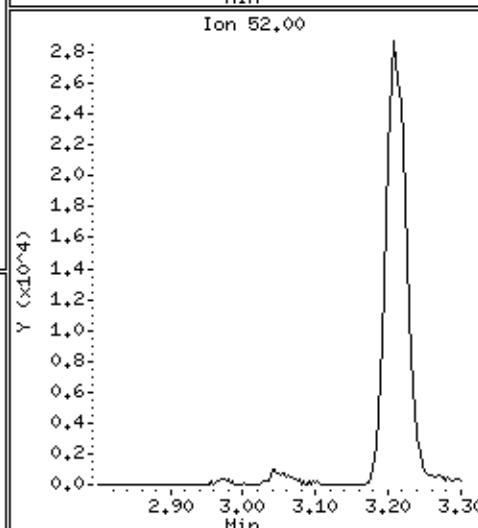
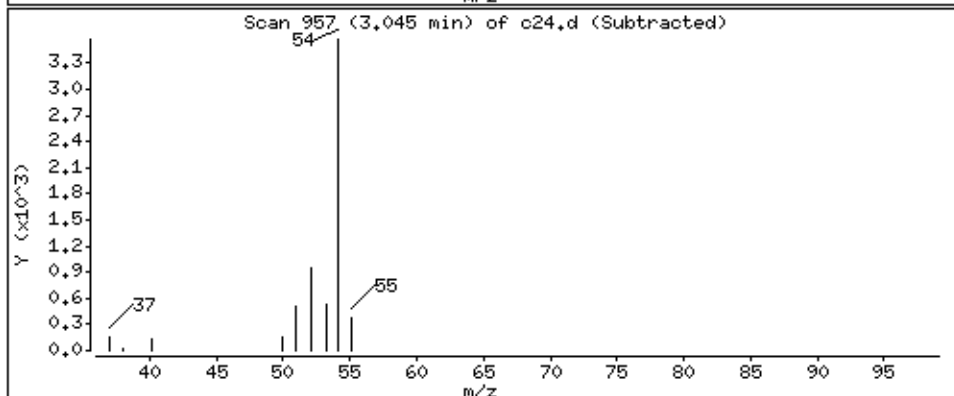
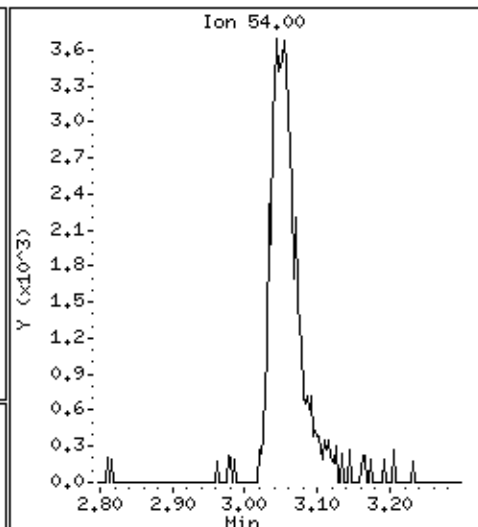
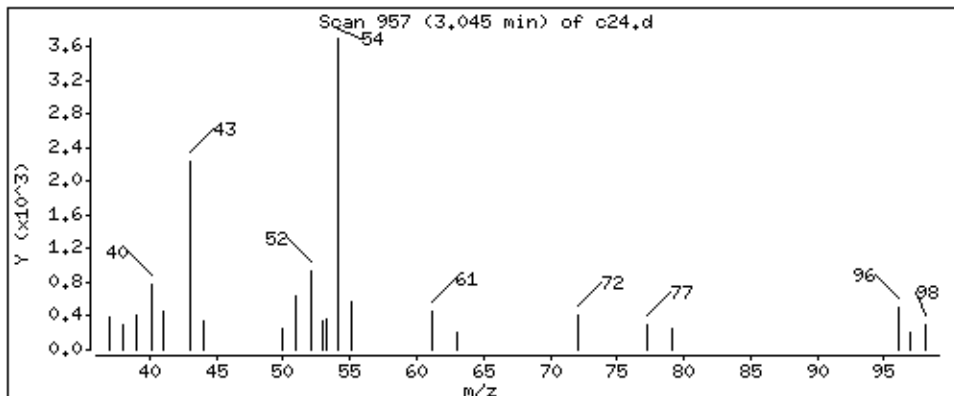
Operator: amv

Column phase: DB-624

Column diameter: 0,18

31 Propionitrile

Concentration: 40,4 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

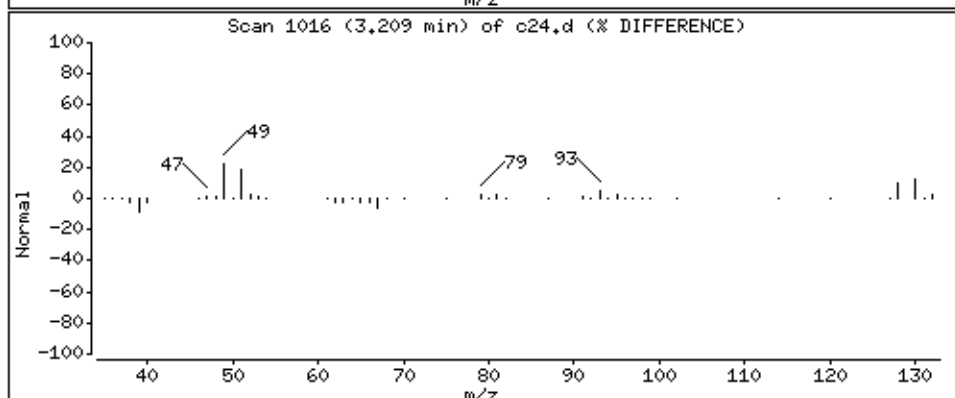
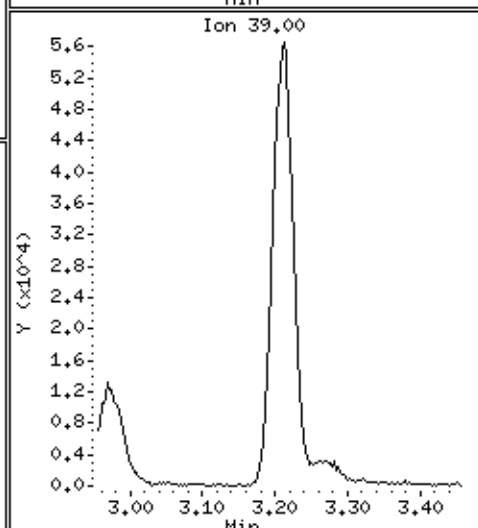
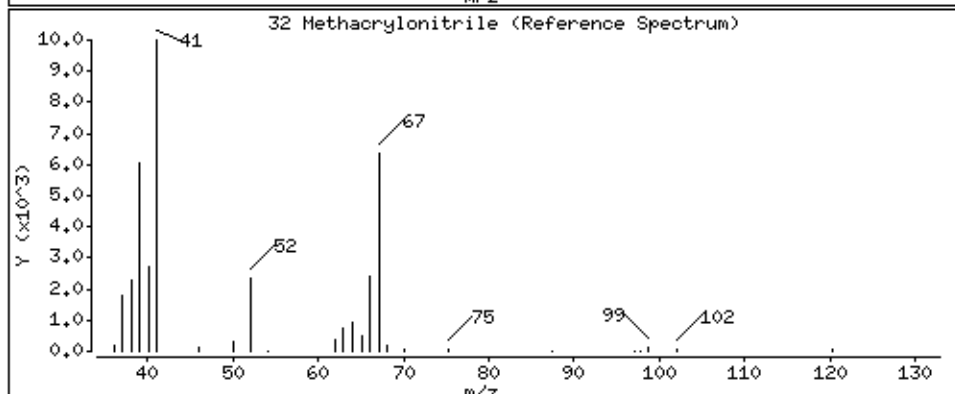
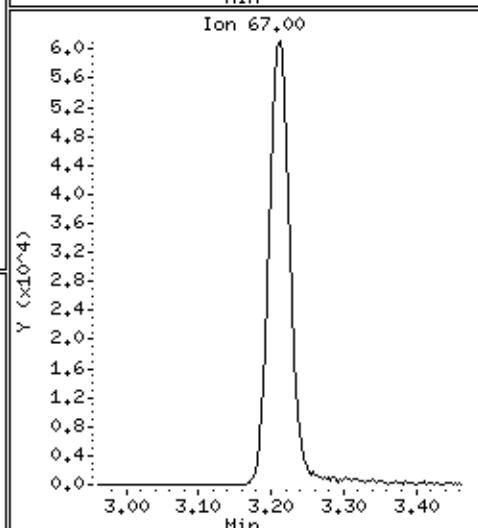
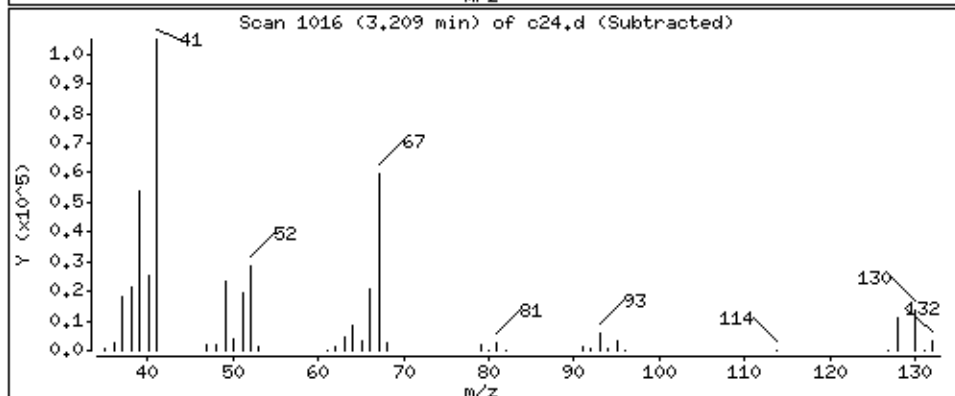
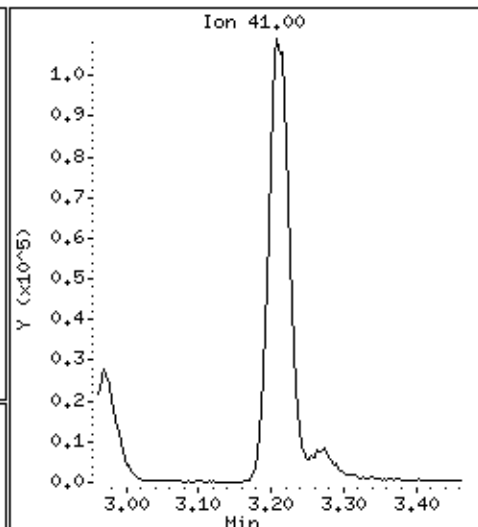
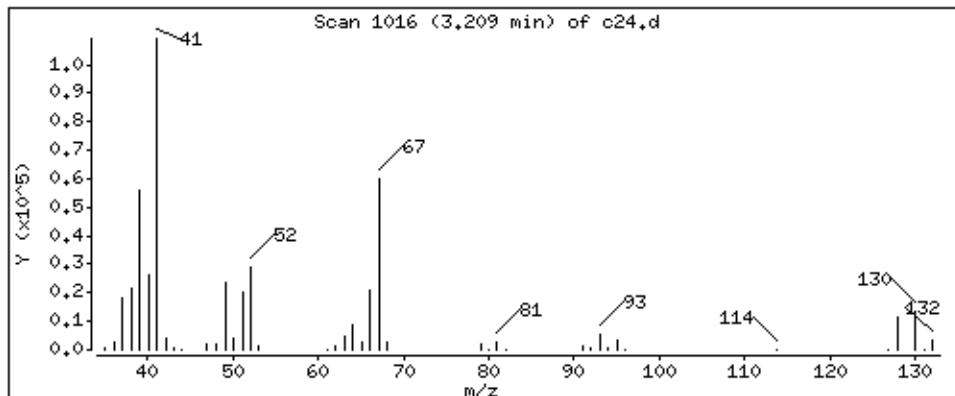
Operator: amv

Column phase: DB-624

Column diameter: 0.18

32 Methacrylonitrile

Concentration: 177 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

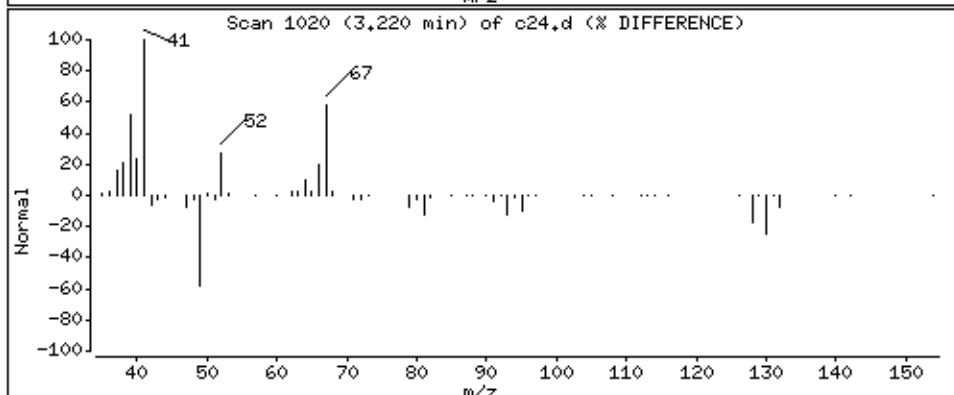
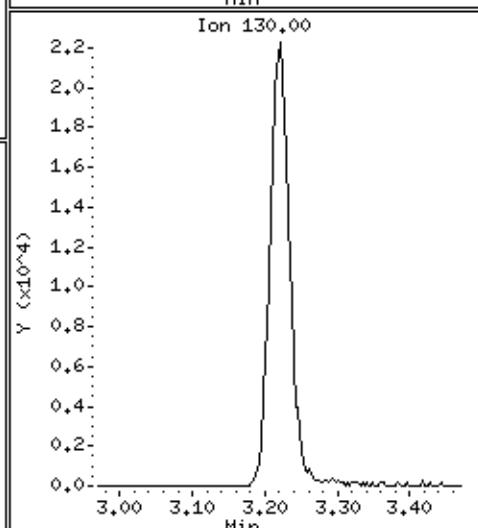
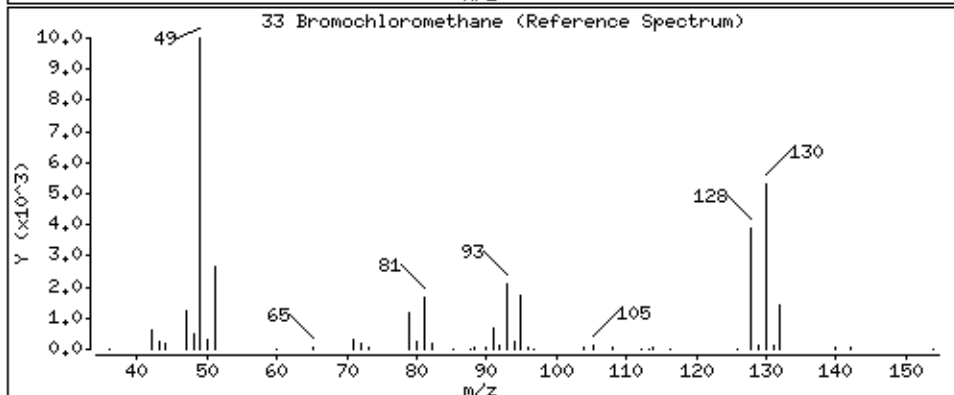
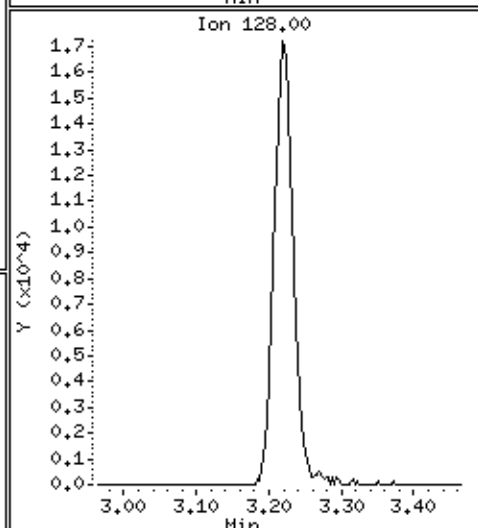
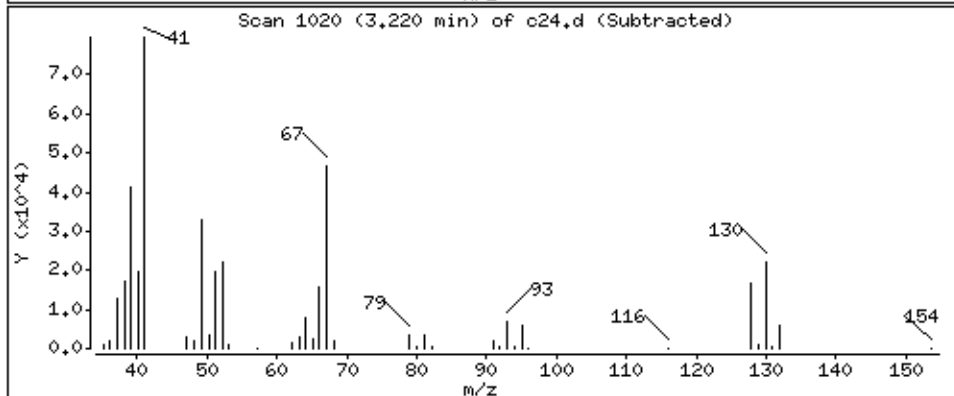
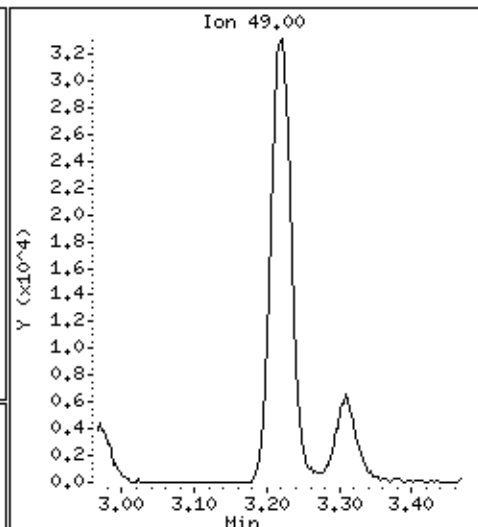
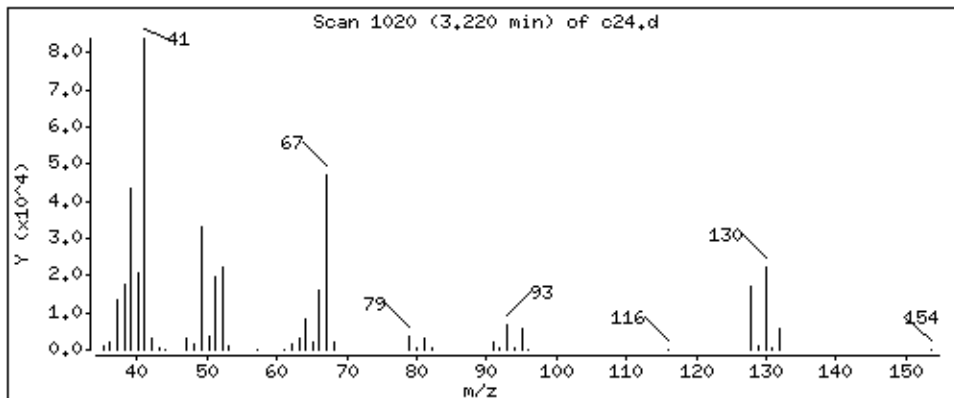
Operator: amv

Column phase: DB-624

Column diameter: 0,18

33 Bromochloromethane

Concentration: 43.3 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

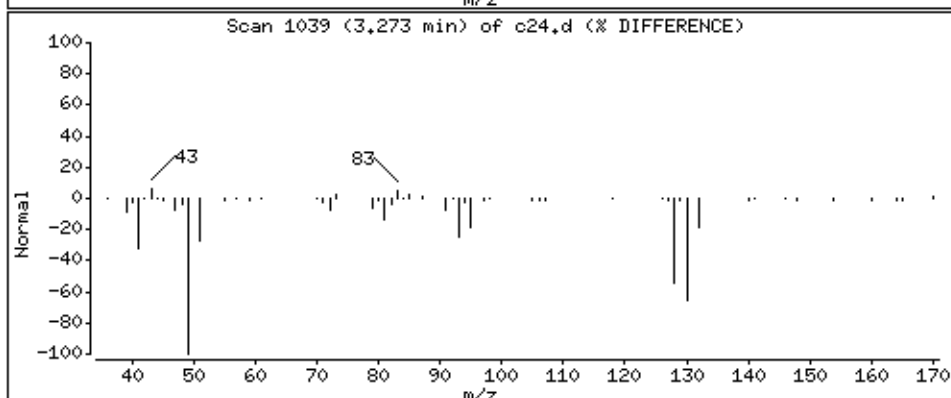
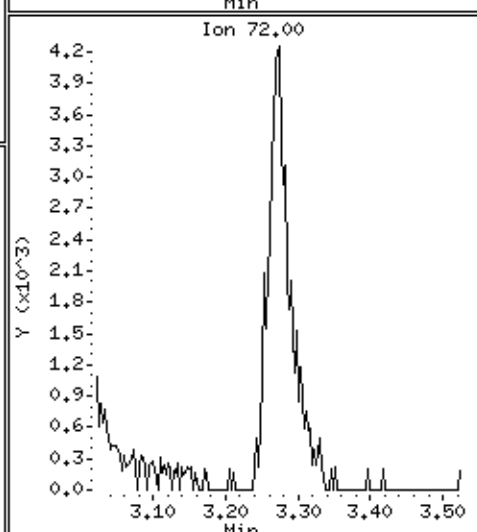
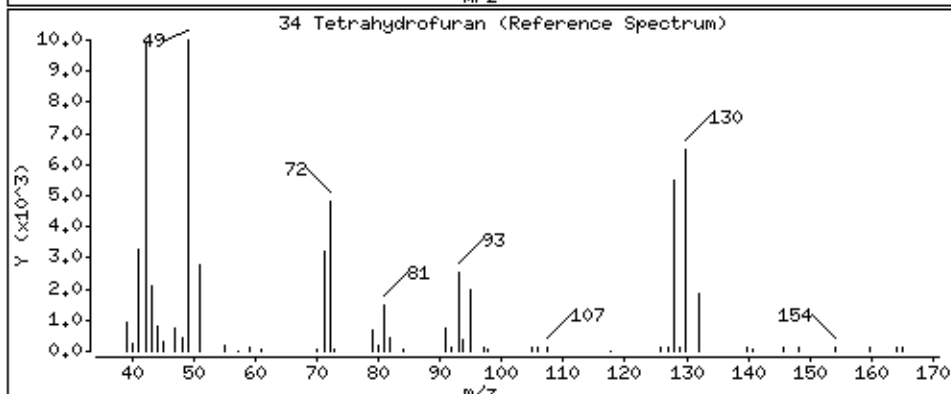
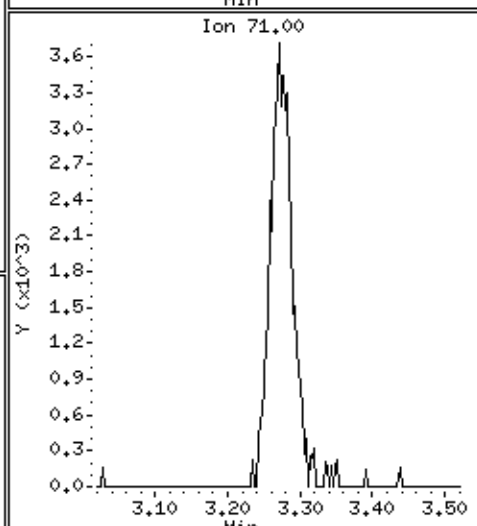
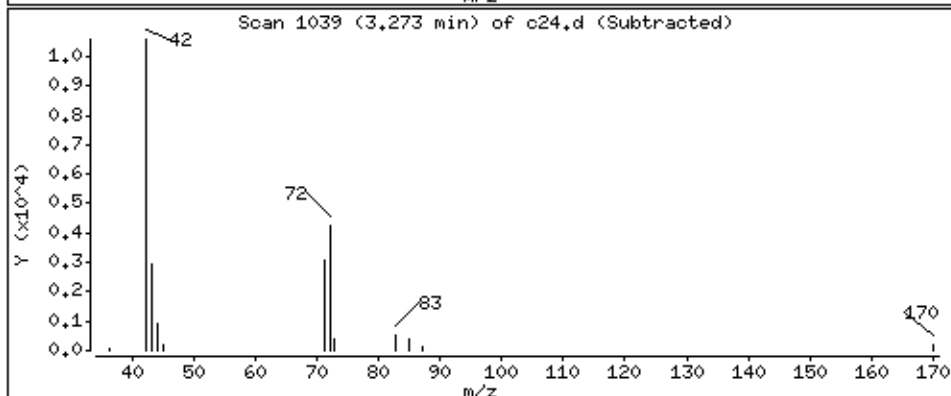
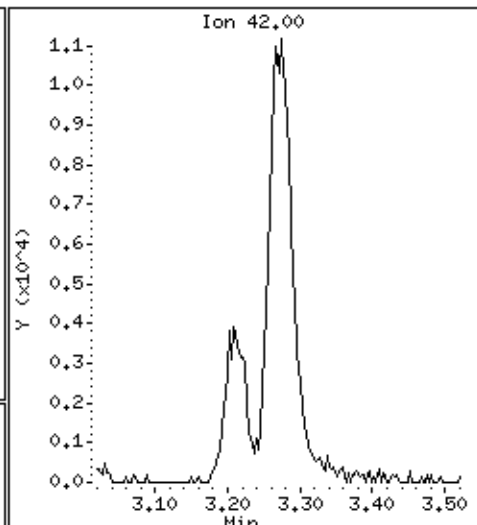
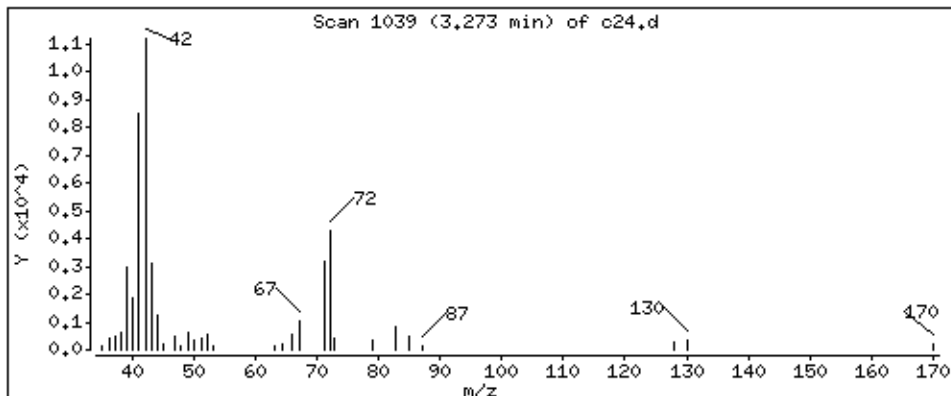
Operator: amv

Column phase: DB-624

Column diameter: 0,18

34 Tetrahydrofuran

Concentration: 43,8 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

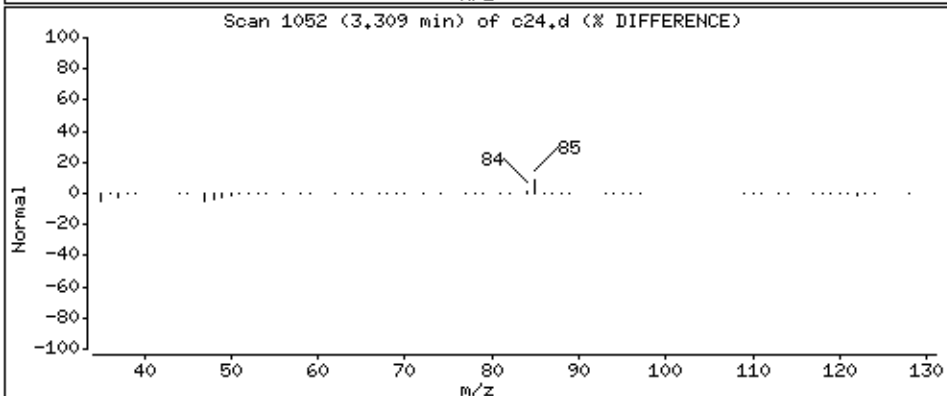
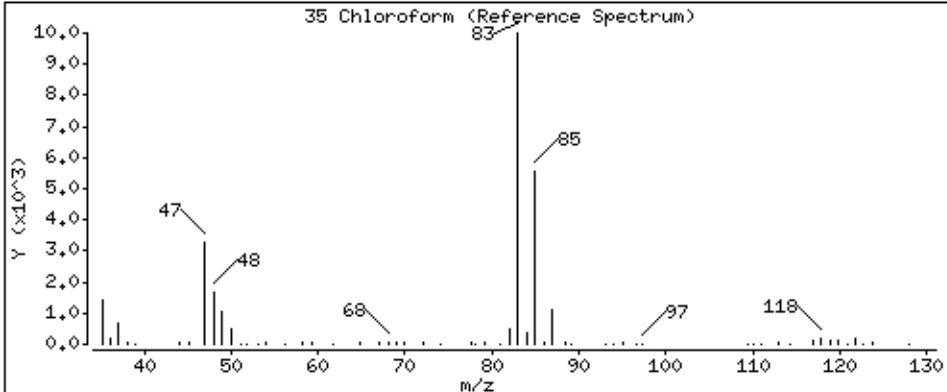
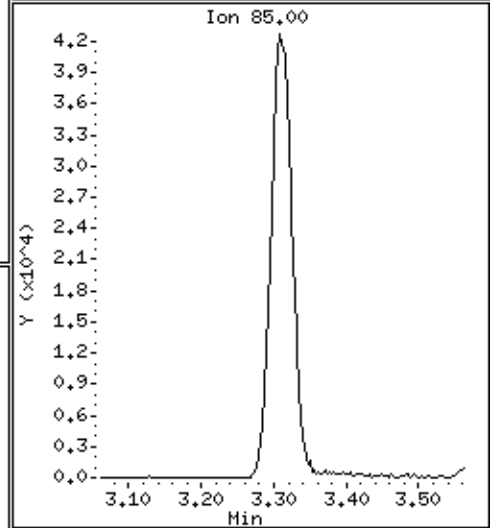
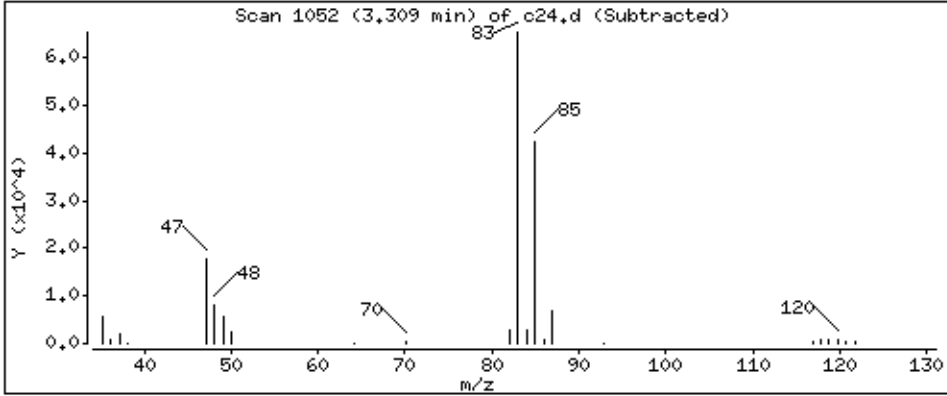
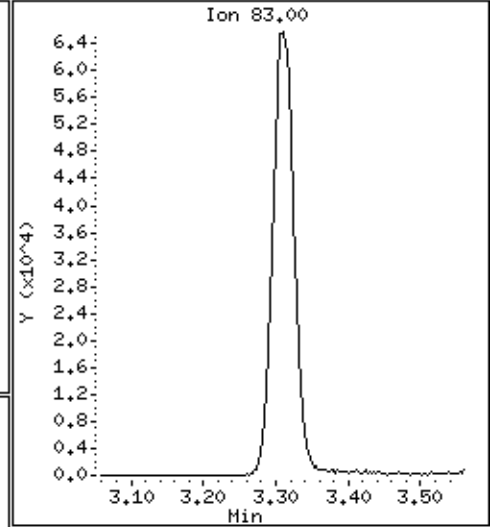
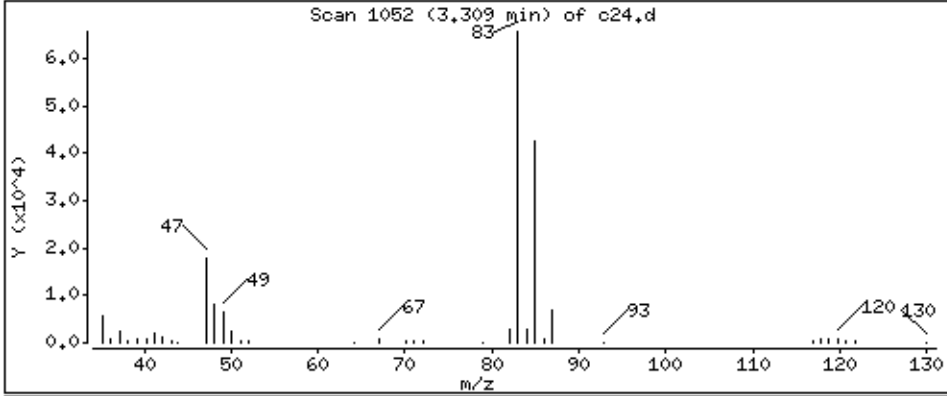
Operator: amv

Column phase: DB-624

Column diameter: 0,18

35 Chloroform

Concentration: 41.9 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

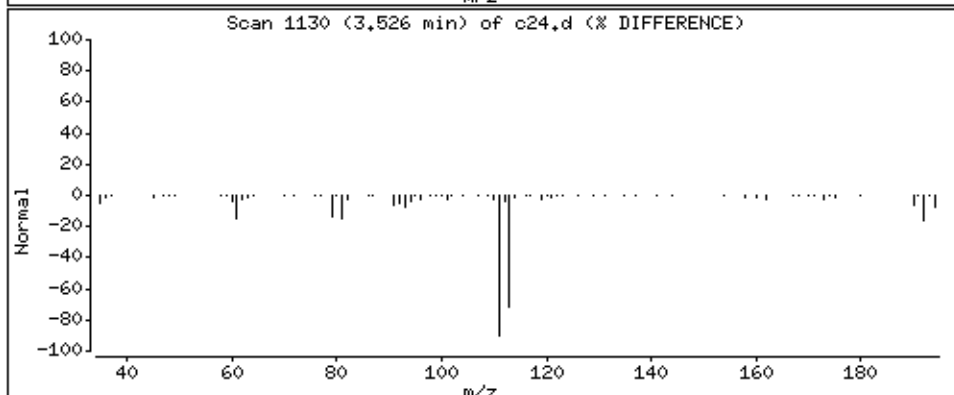
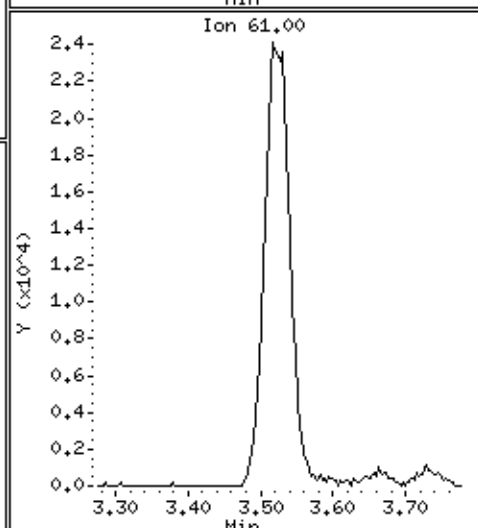
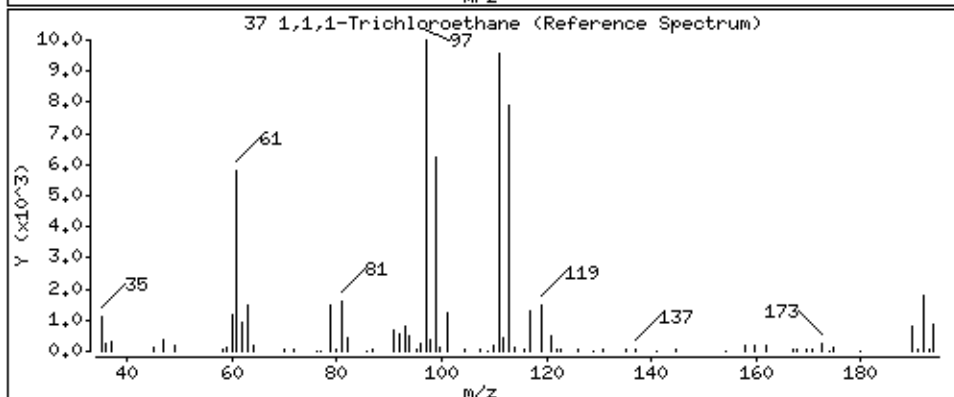
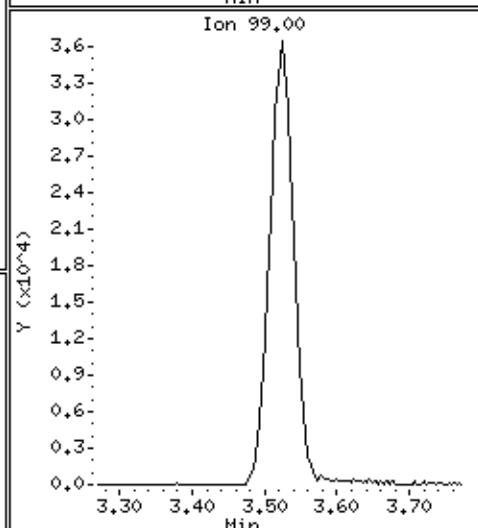
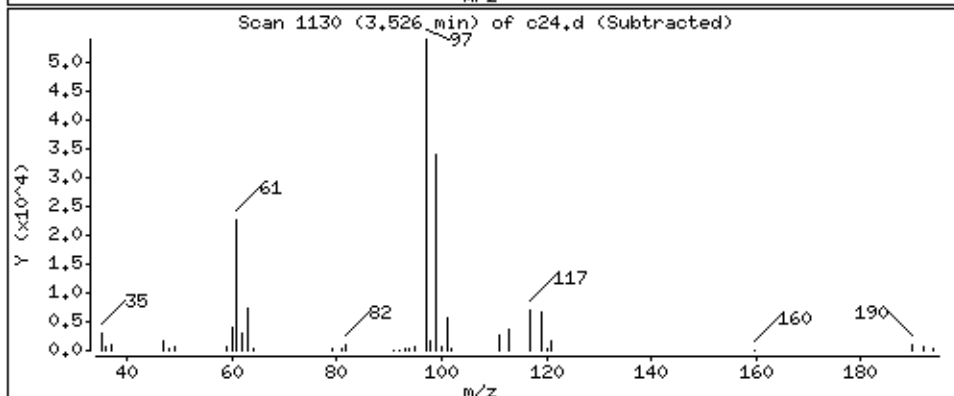
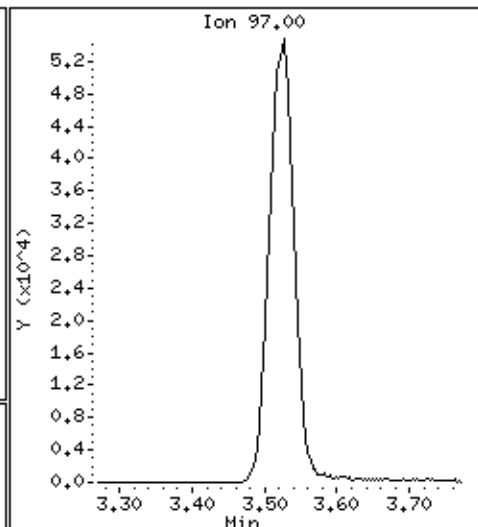
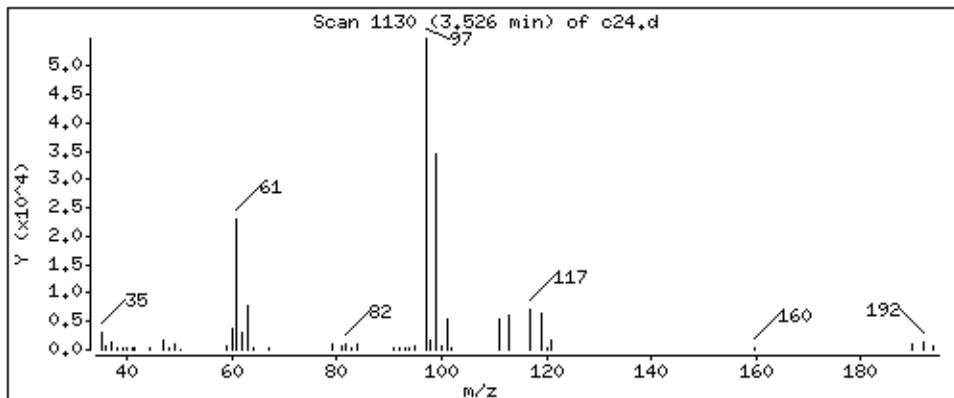
Operator: amv

Column phase: DB-624

Column diameter: 0,18

37 1,1,1-Trichloroethane

Concentration: 45,7 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

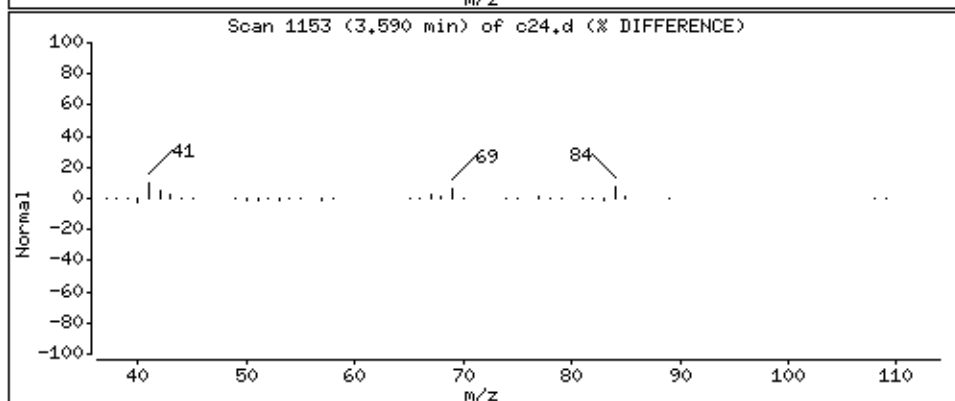
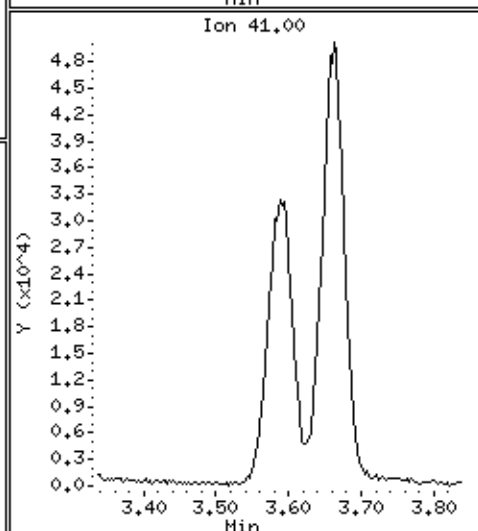
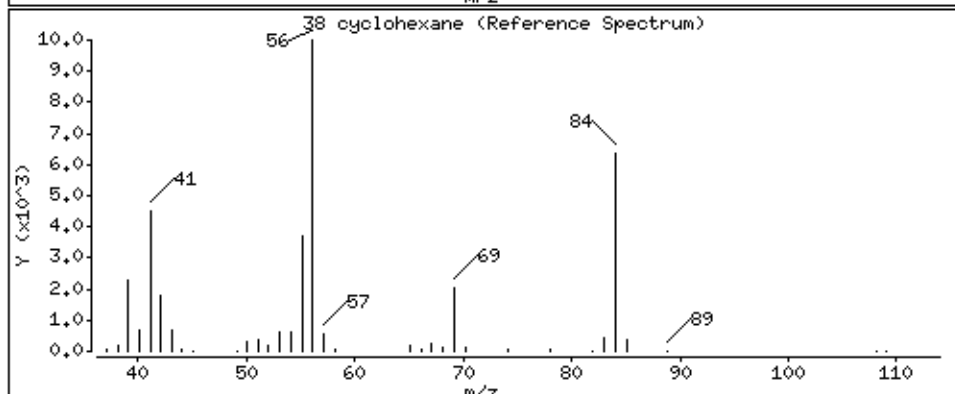
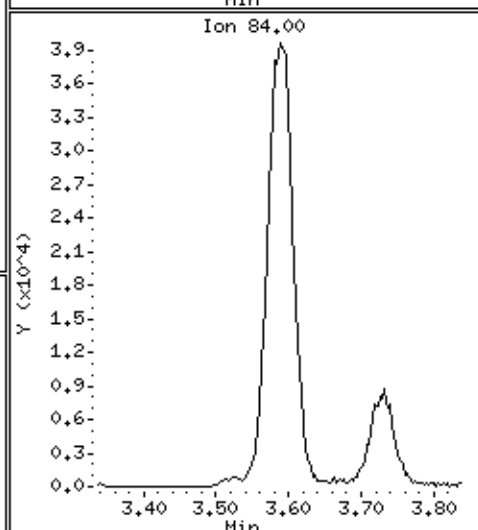
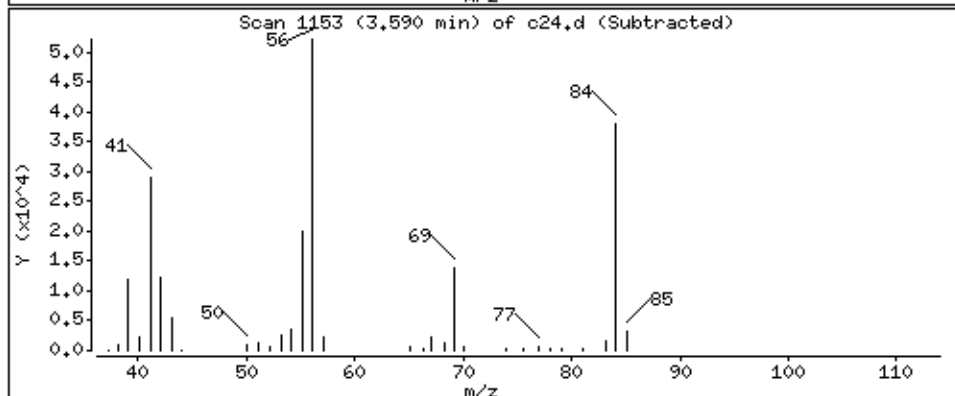
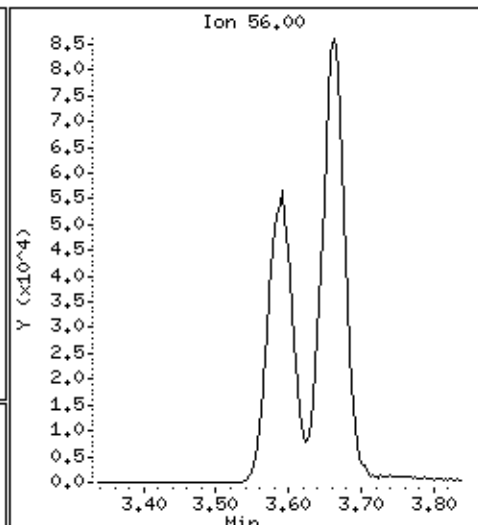
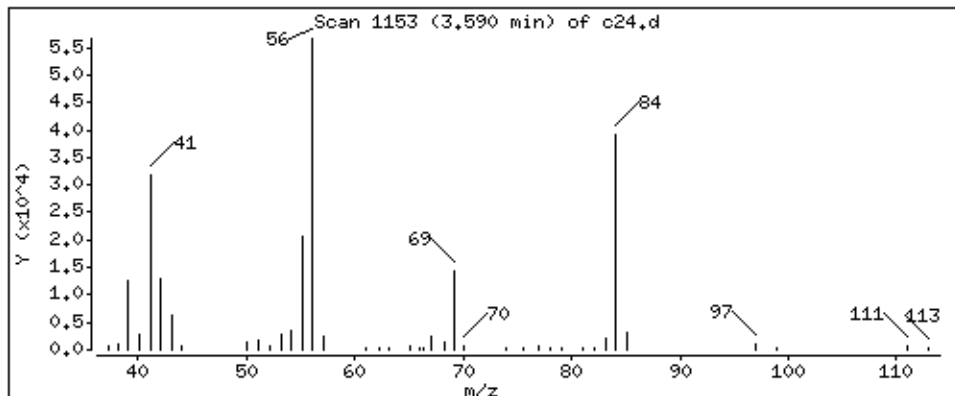
Operator: amv

Column phase: DB-624

Column diameter: 0,18

38 cyclohexane

Concentration: 35,1 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

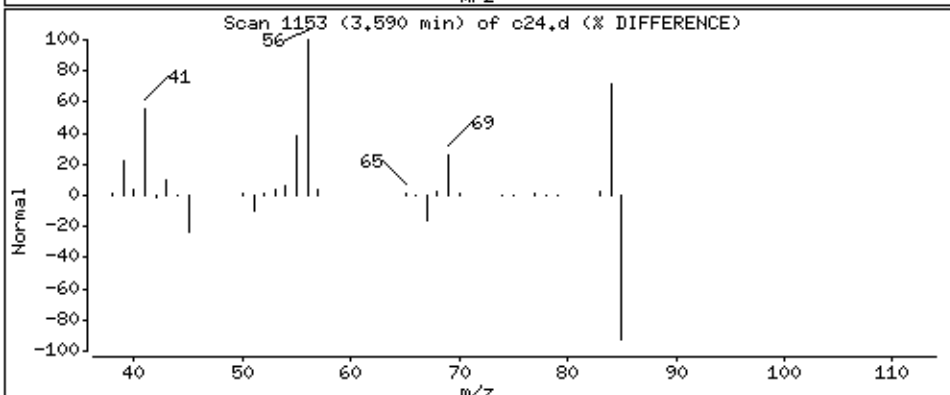
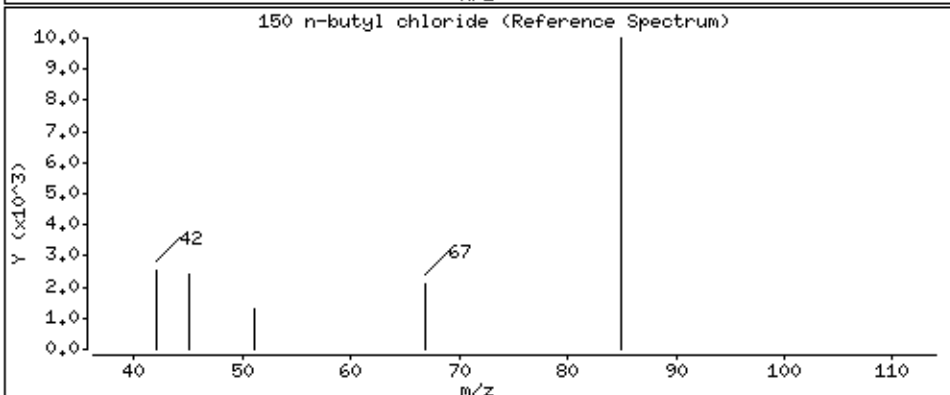
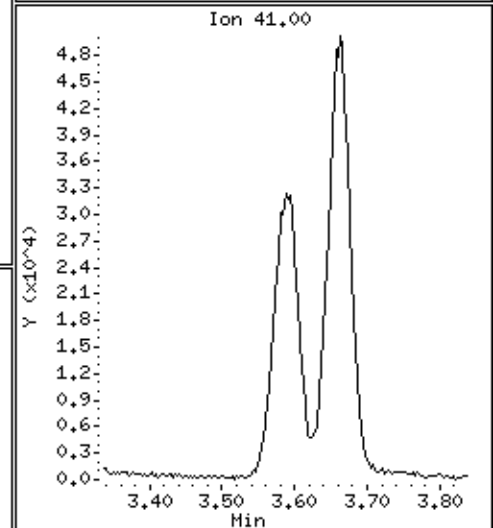
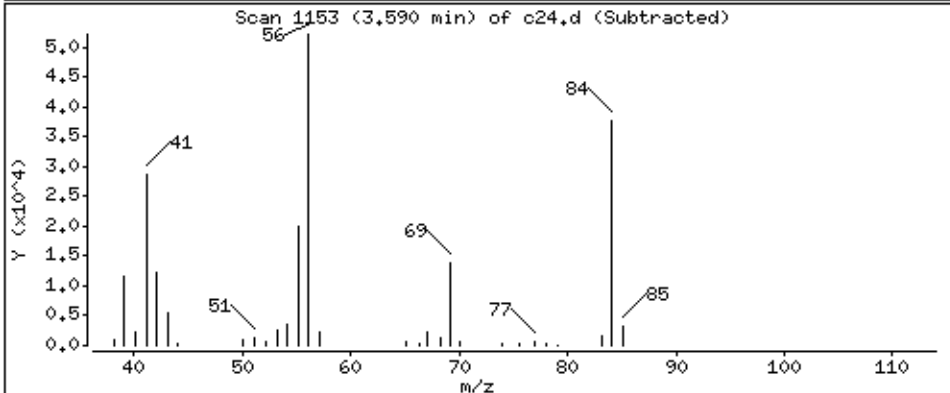
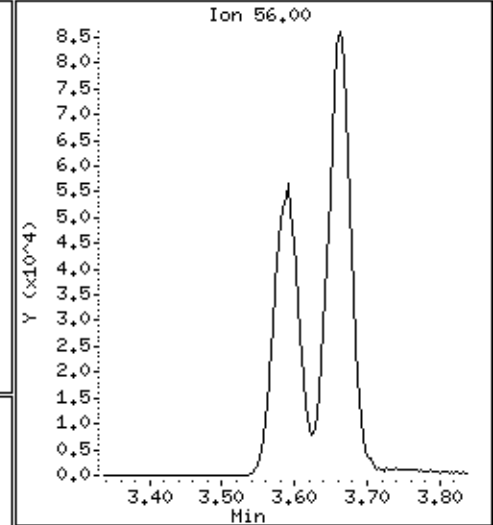
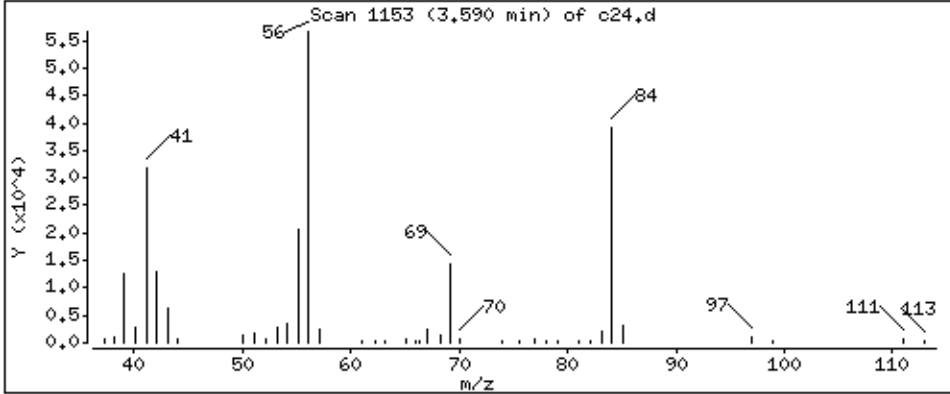
Operator: amv

Column phase: DB-624

Column diameter: 0,18

150 n-butyl chloride

Concentration: 29,6 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

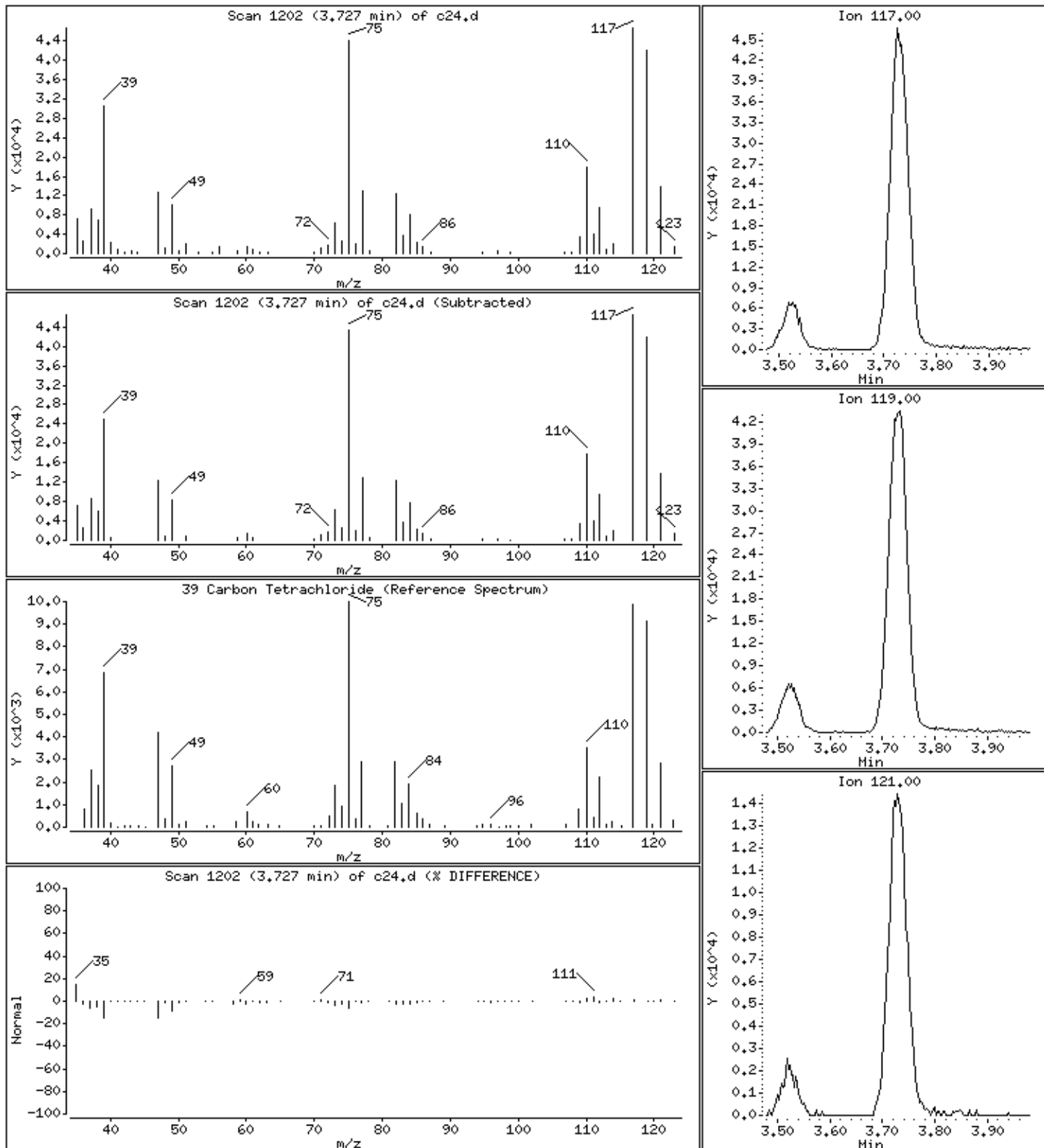
Operator: amv

Column phase: DB-624

Column diameter: 0,18

39 Carbon Tetrachloride

Concentration: 45,5 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

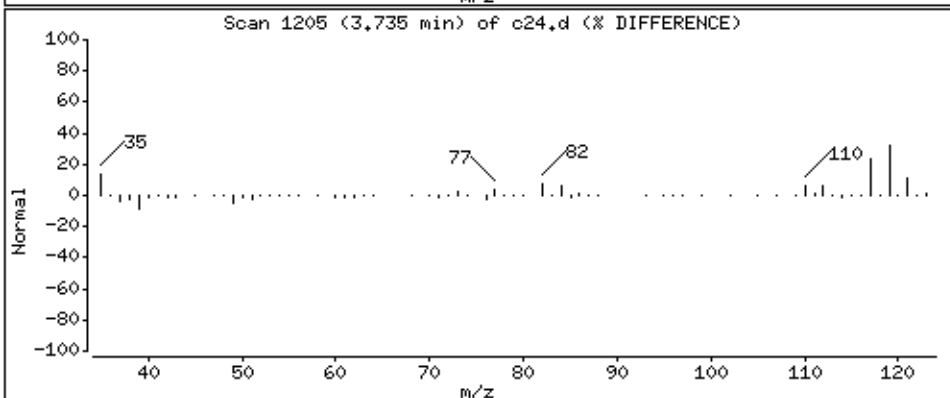
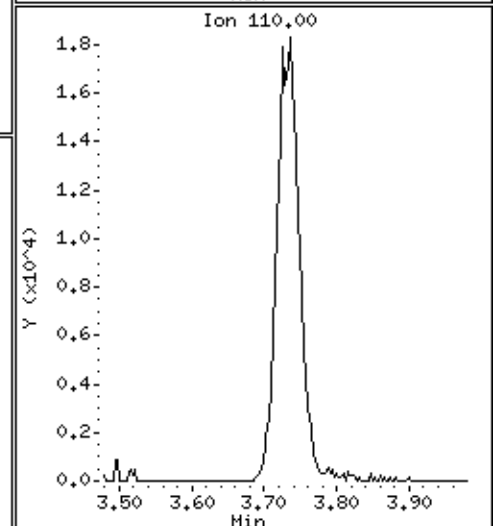
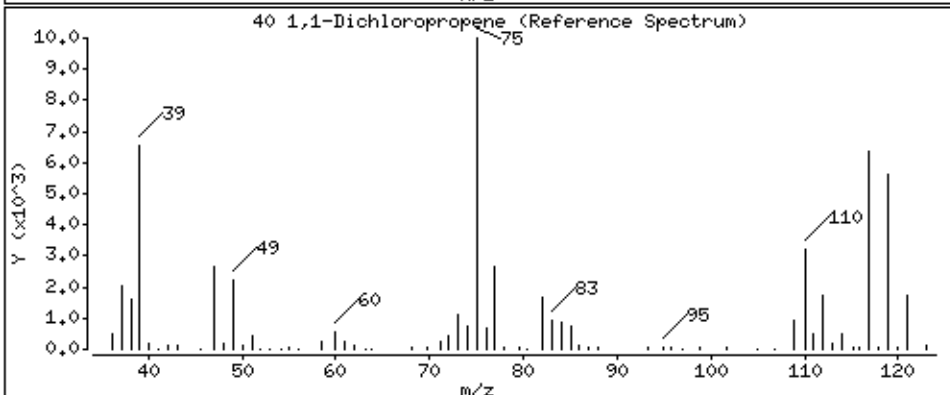
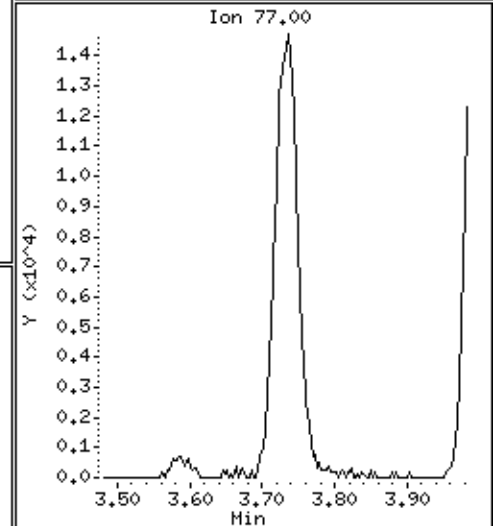
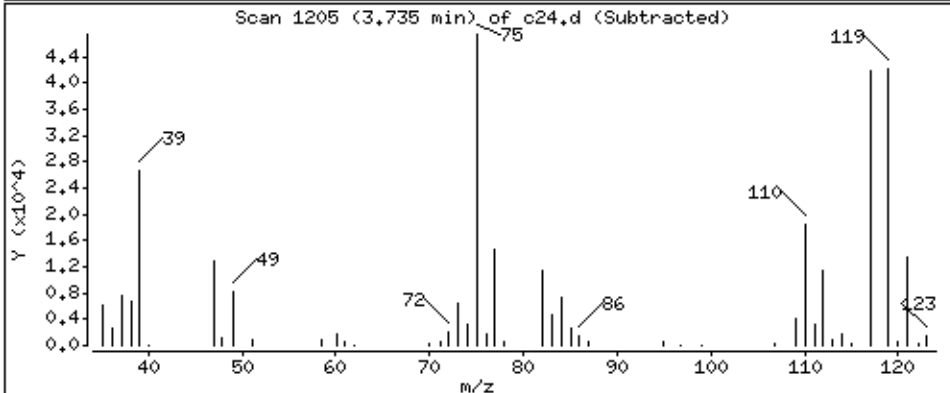
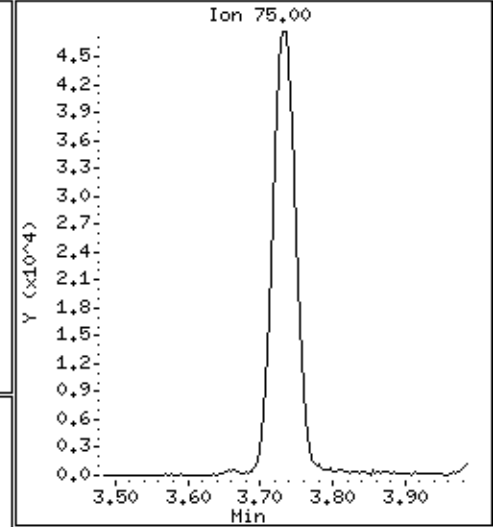
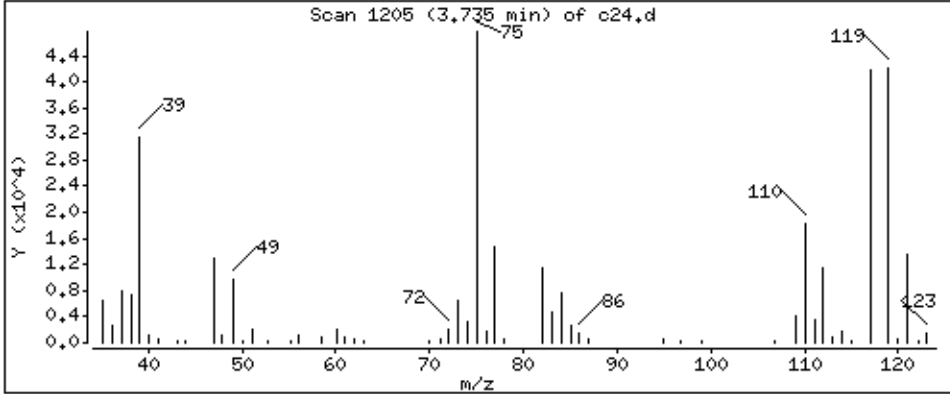
Operator: amv

Column phase: DB-624

Column diameter: 0,18

40 1,1-Dichloropropene

Concentration: 45,4 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

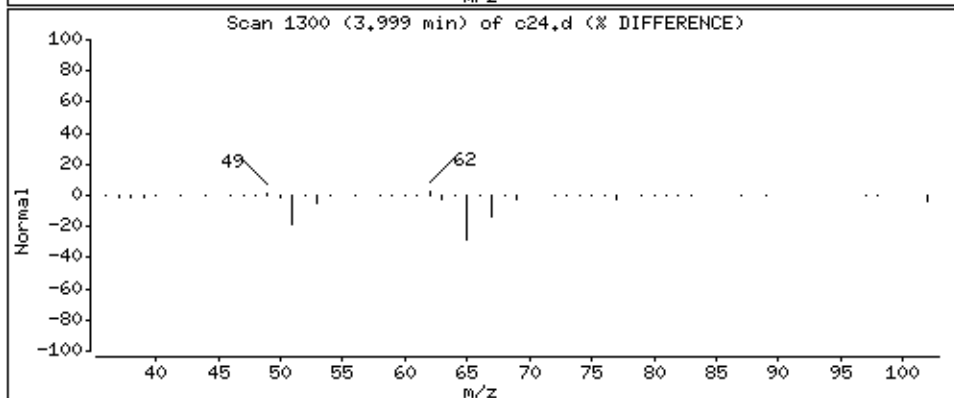
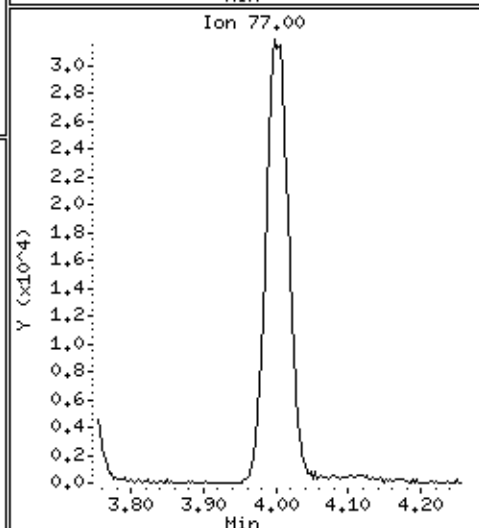
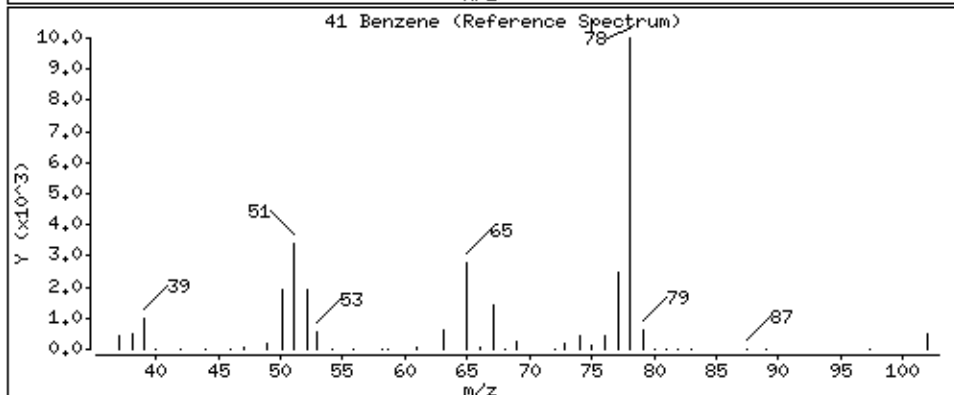
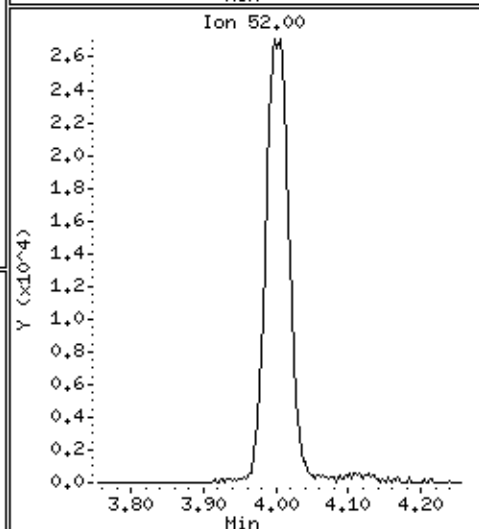
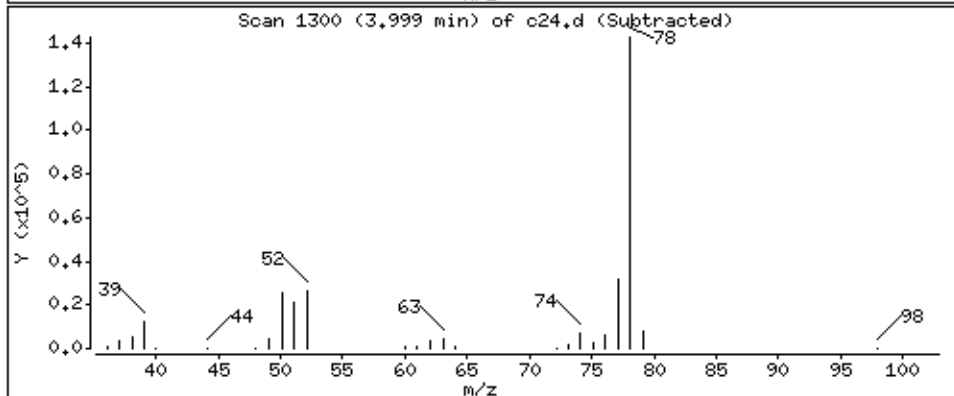
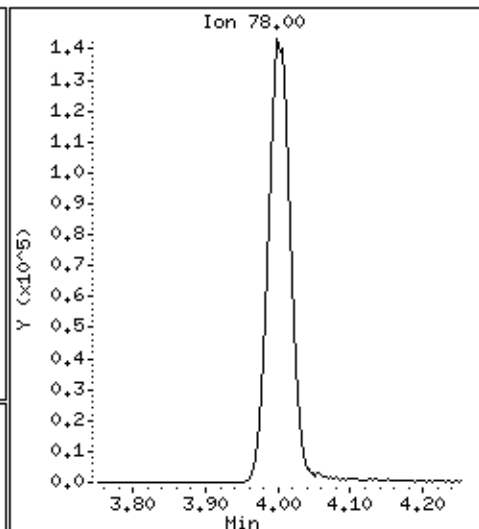
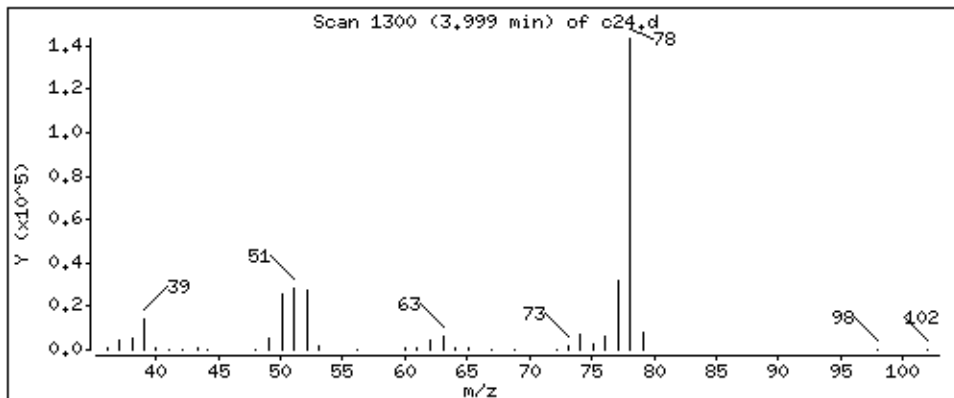
Operator: amv

Column phase: DB-624

Column diameter: 0,18

41 Benzene

Concentration: 45,8 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

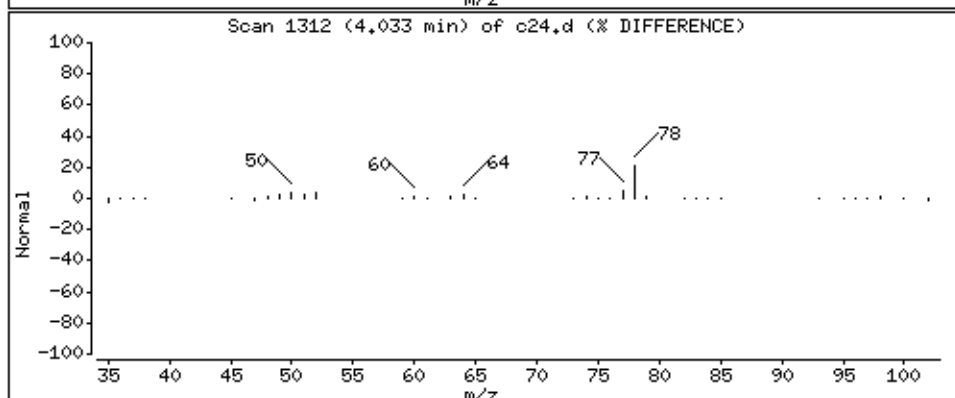
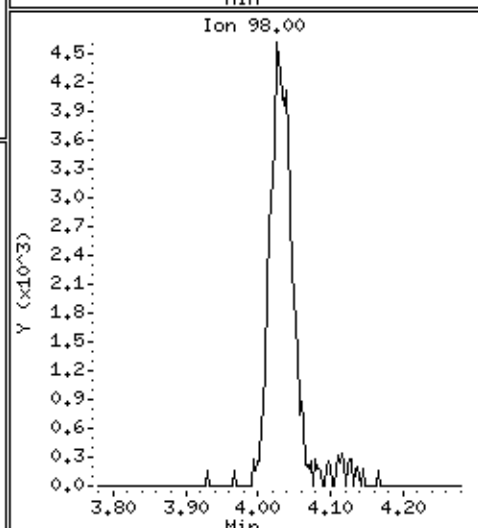
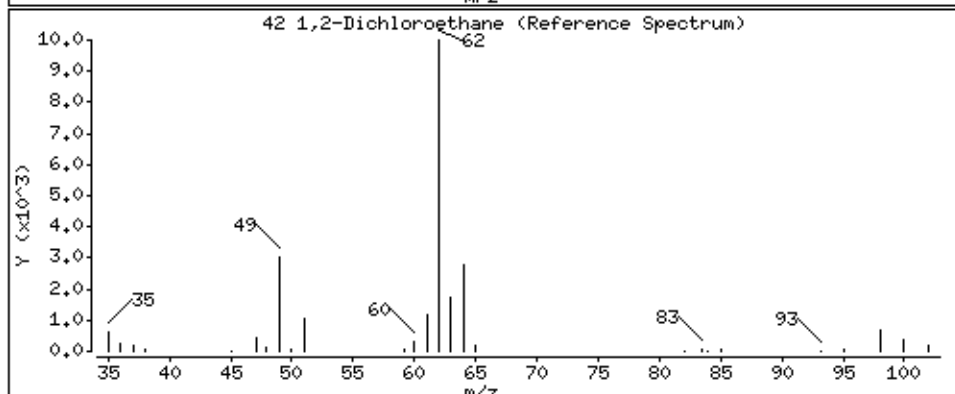
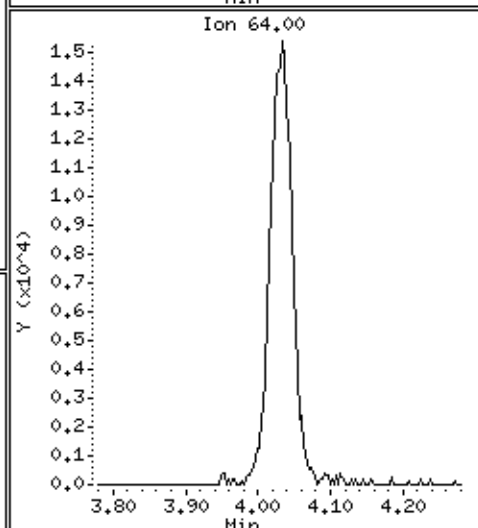
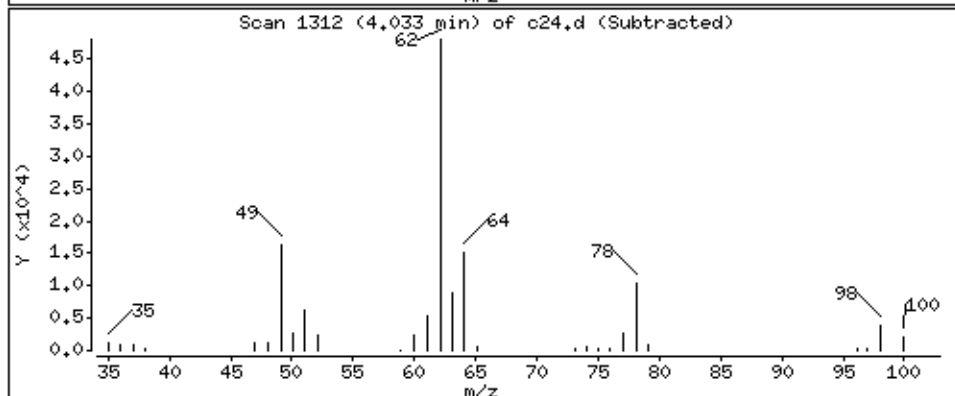
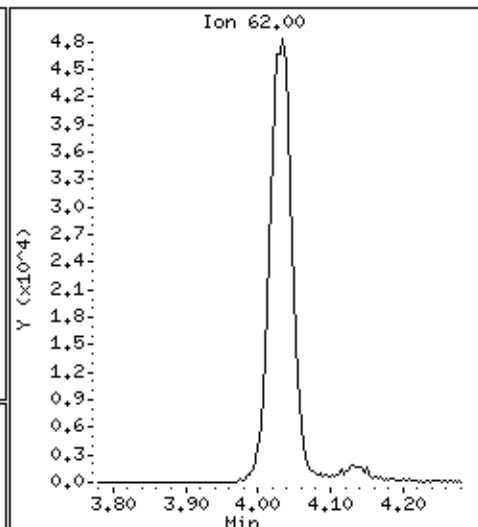
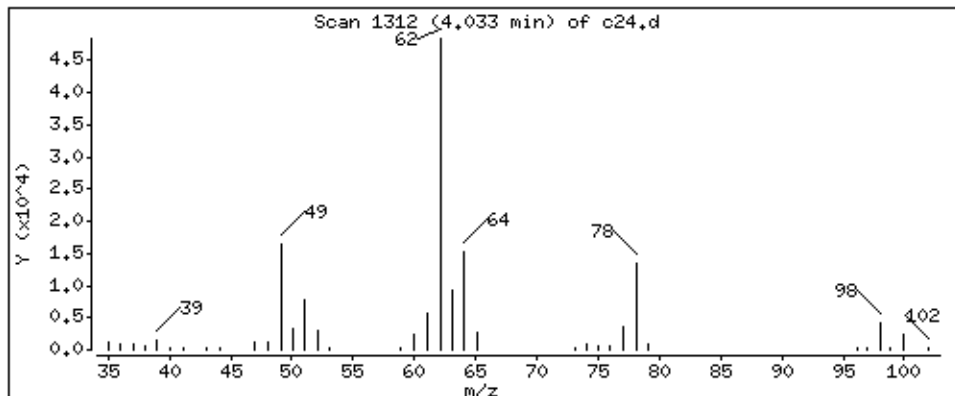
Operator: amv

Column phase: DB-624

Column diameter: 0,18

42 1,2-Dichloroethane

Concentration: 42.6 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

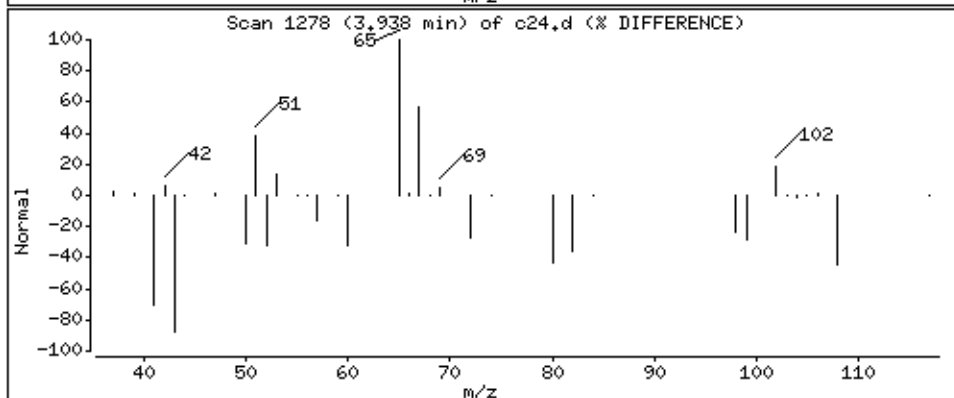
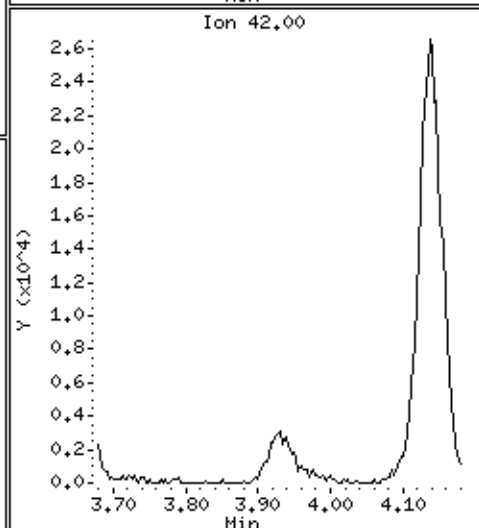
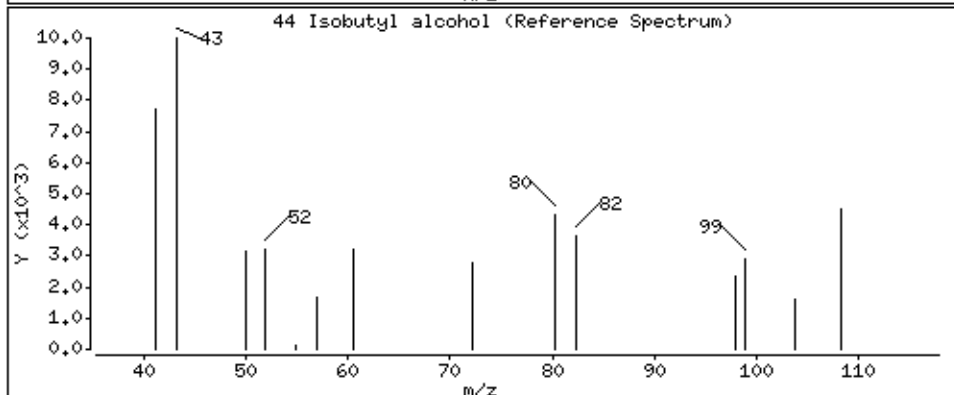
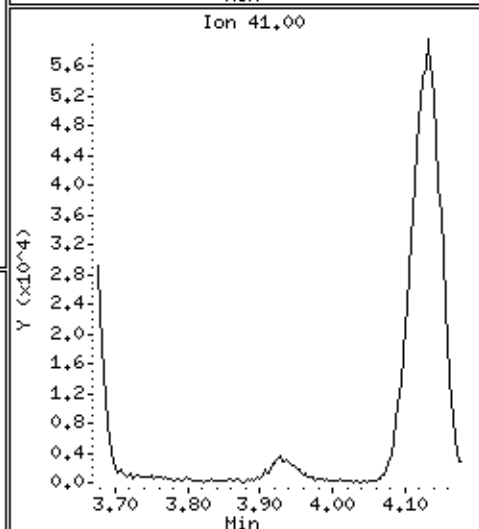
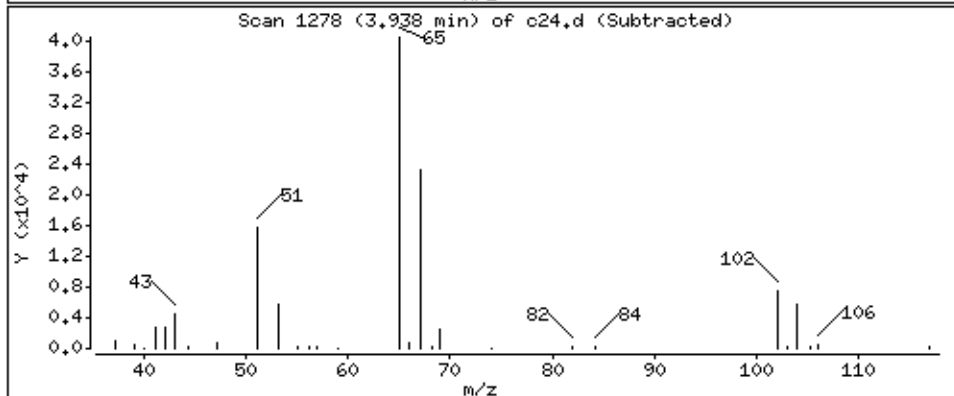
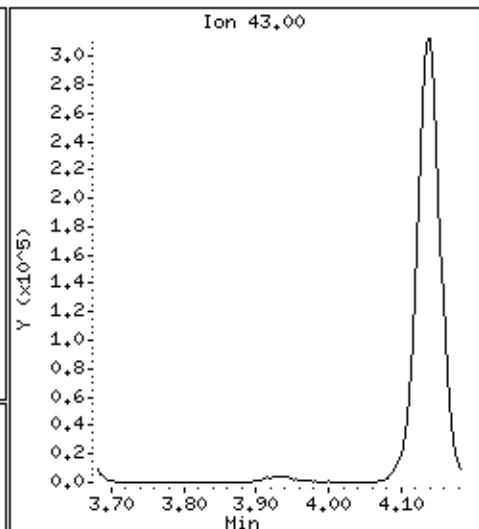
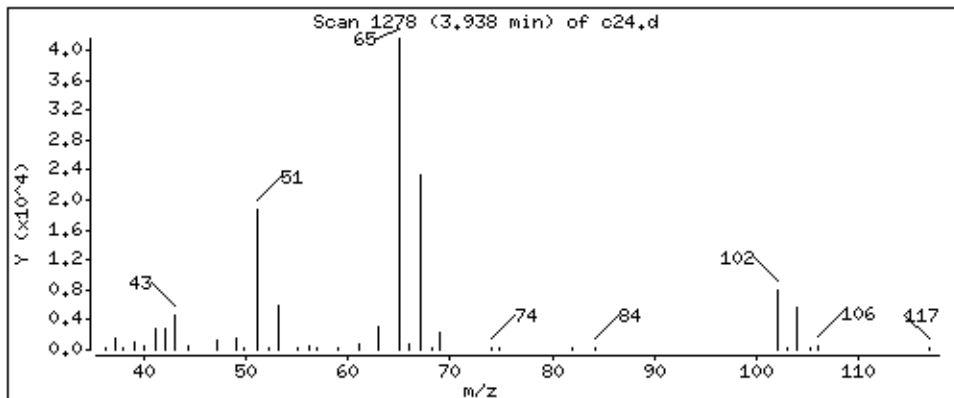
Operator: amv

Column phase: DB-624

Column diameter: 0,18

44 Isobutyl alcohol

Concentration: 261 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

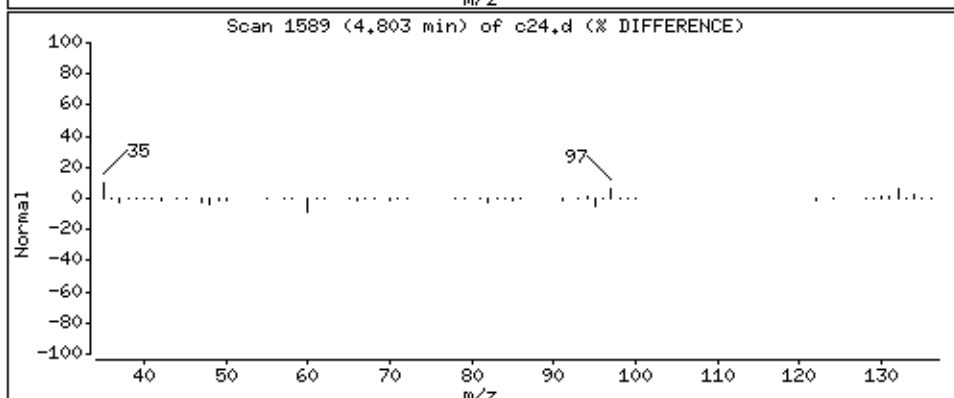
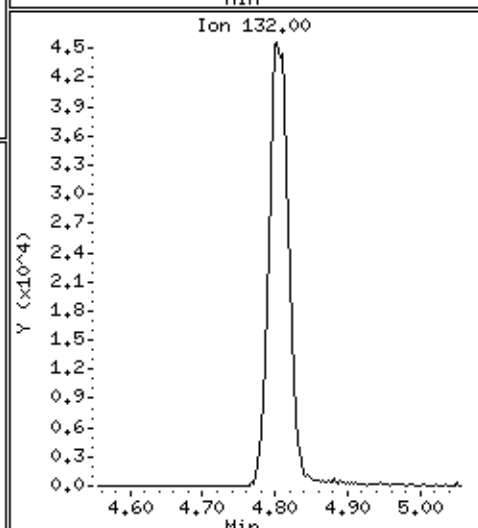
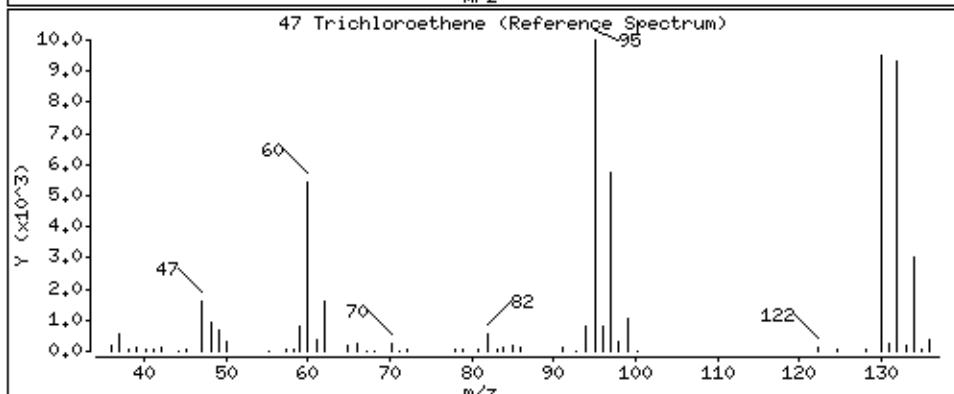
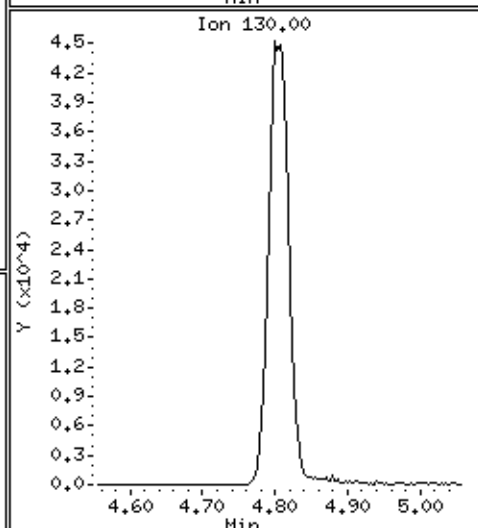
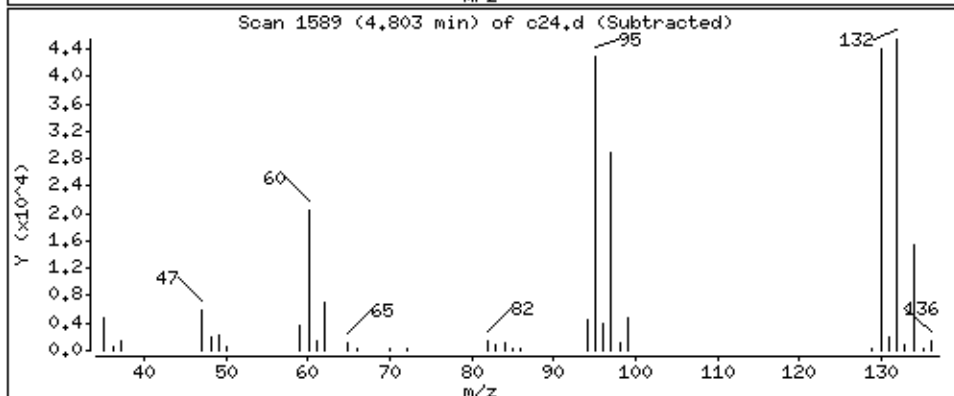
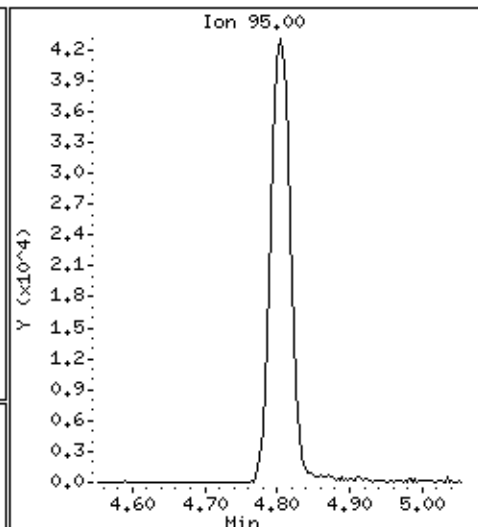
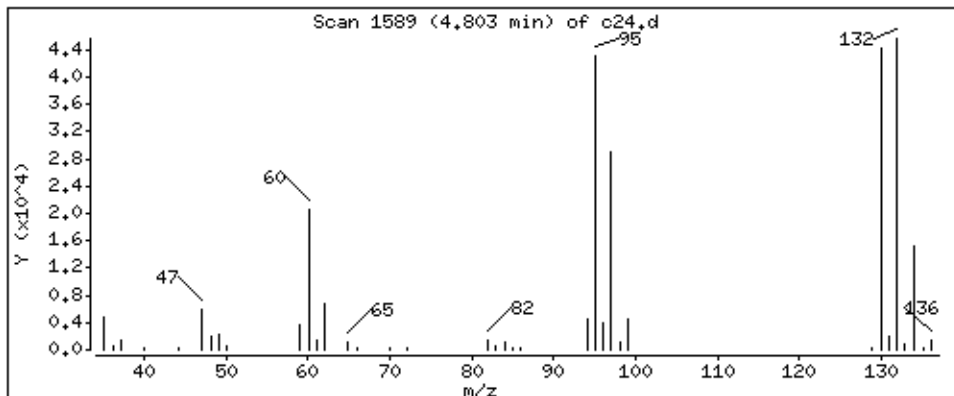
Operator: amv

Column phase: DB-624

Column diameter: 0,18

47 Trichloroethene

Concentration: 44,8 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

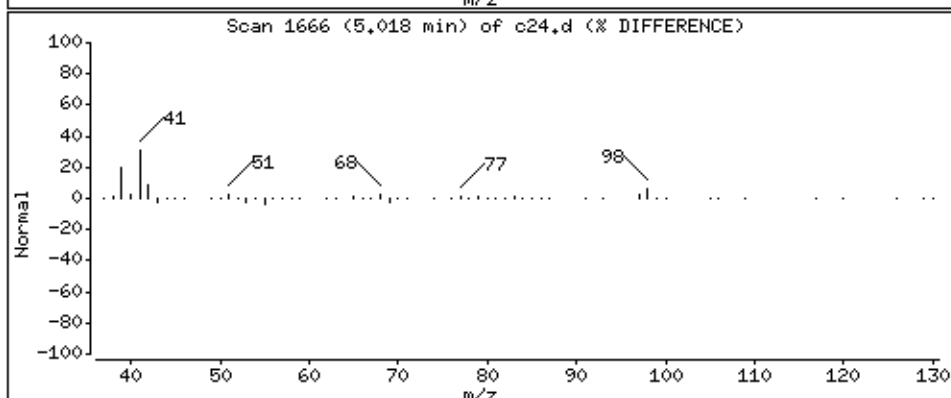
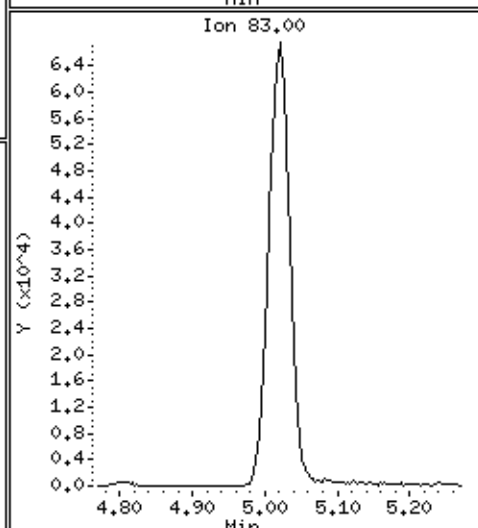
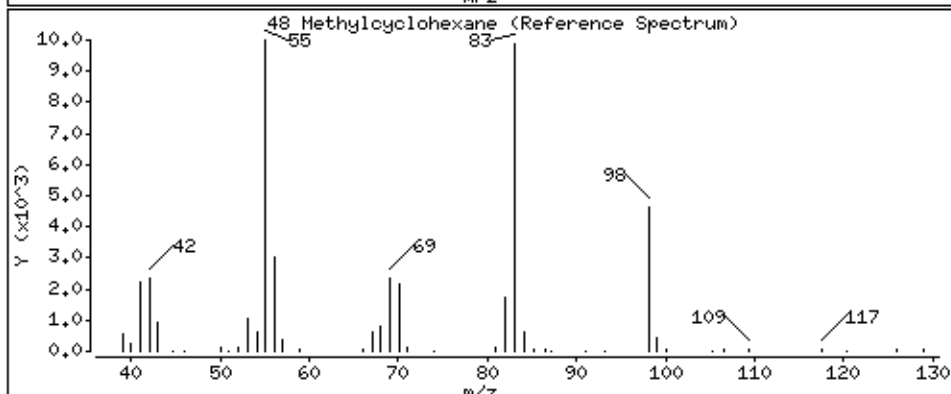
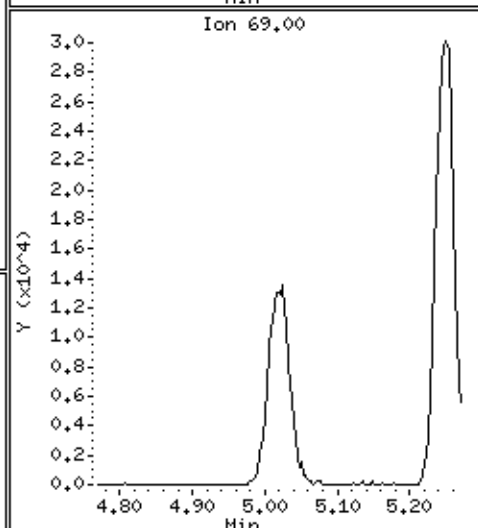
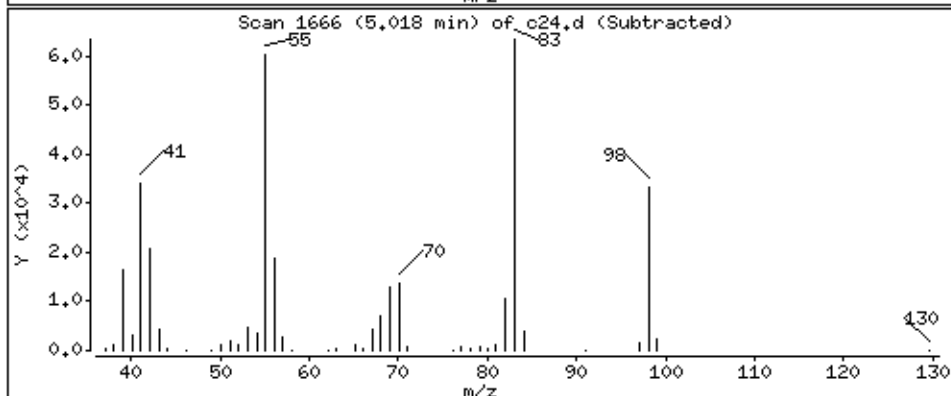
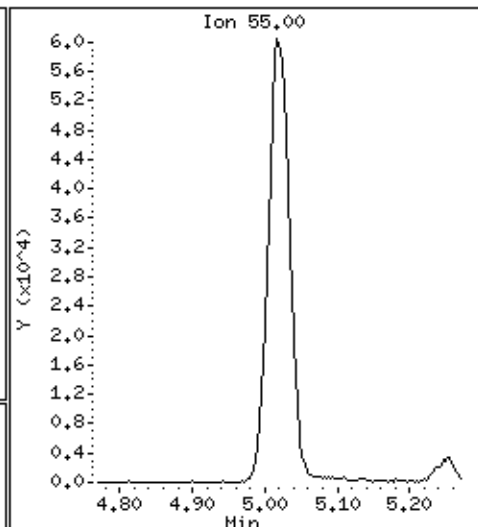
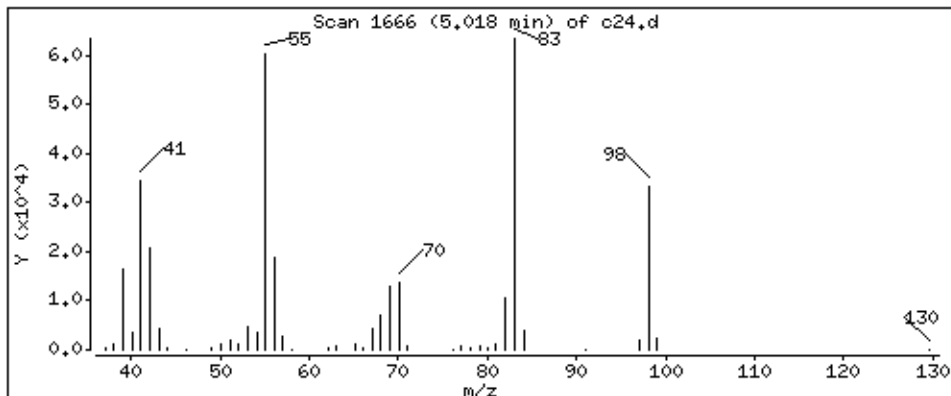
Operator: amv

Column phase: DB-624

Column diameter: 0.18

48 Methylcyclohexane

Concentration: 39.0 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

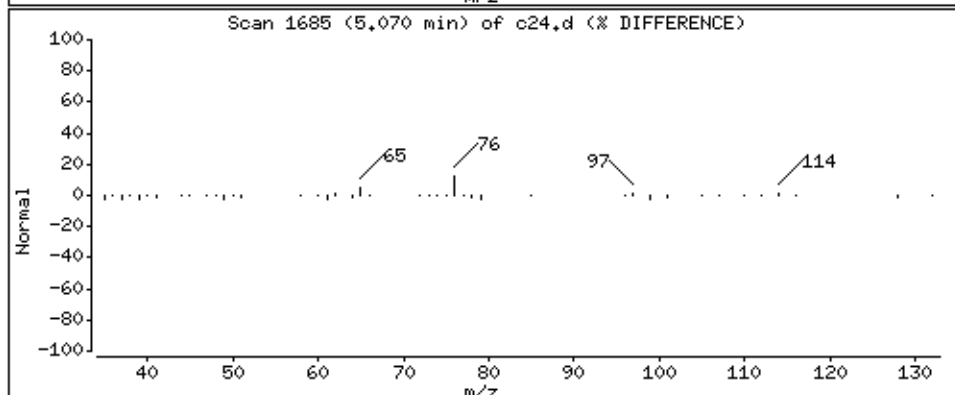
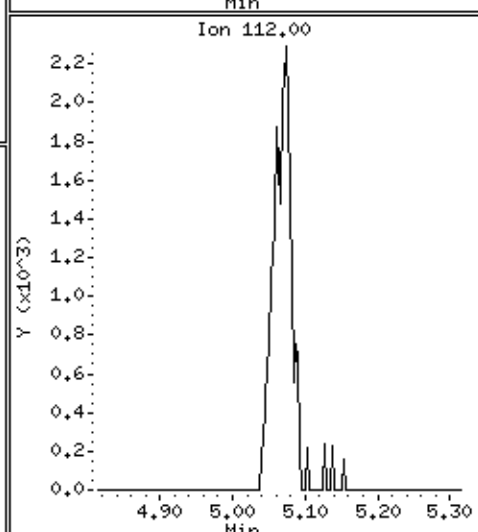
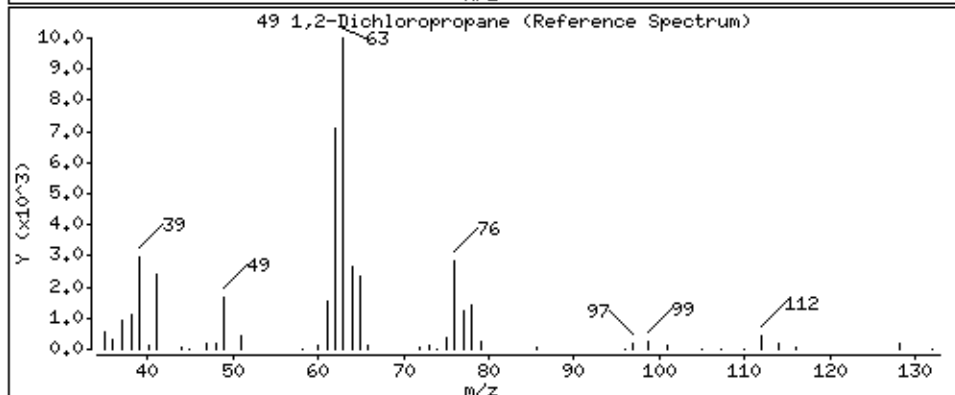
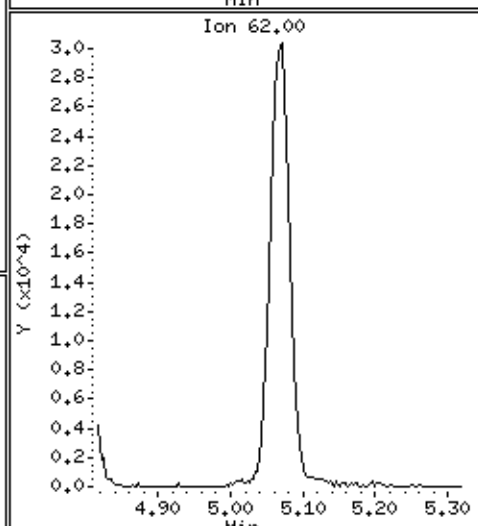
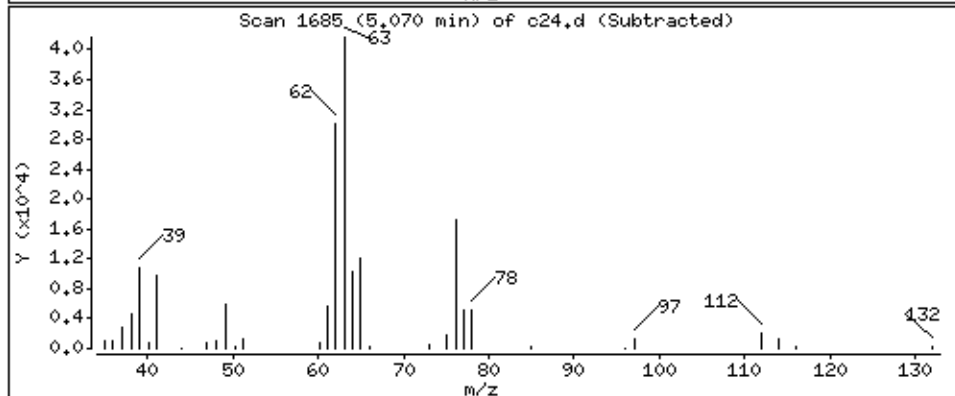
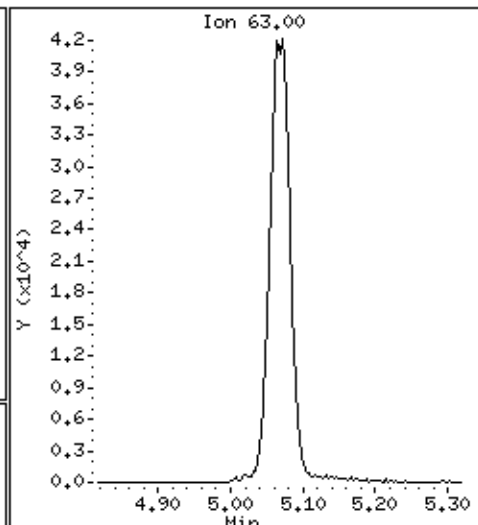
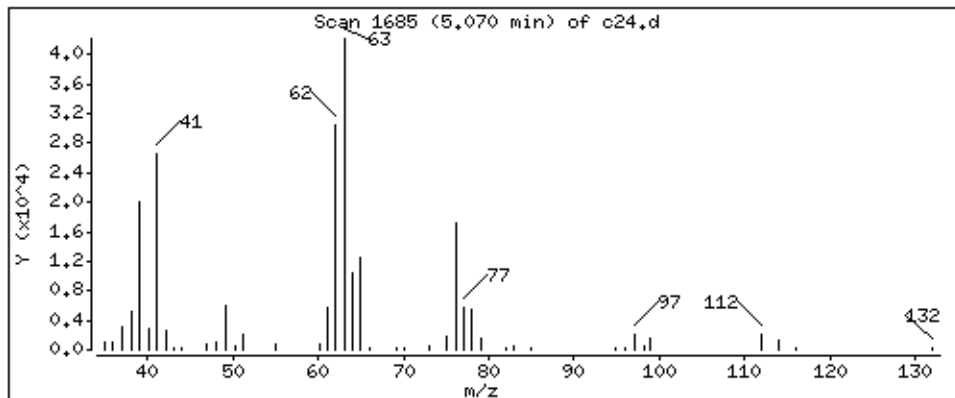
Operator: amv

Column phase: DB-624

Column diameter: 0.18

49 1,2-Dichloropropane

Concentration: 47.1 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

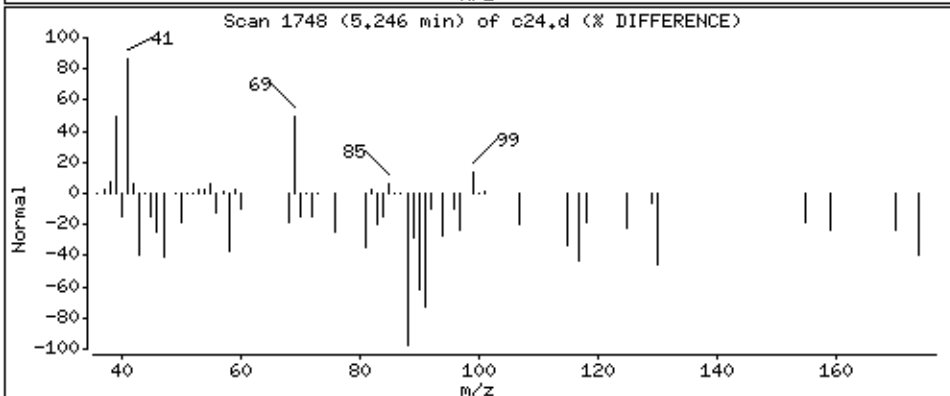
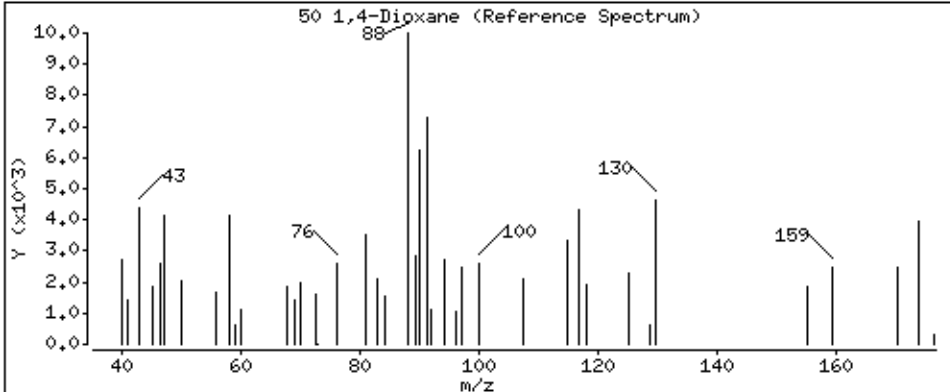
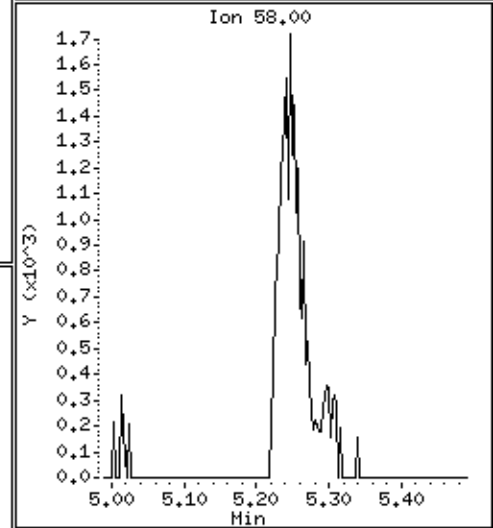
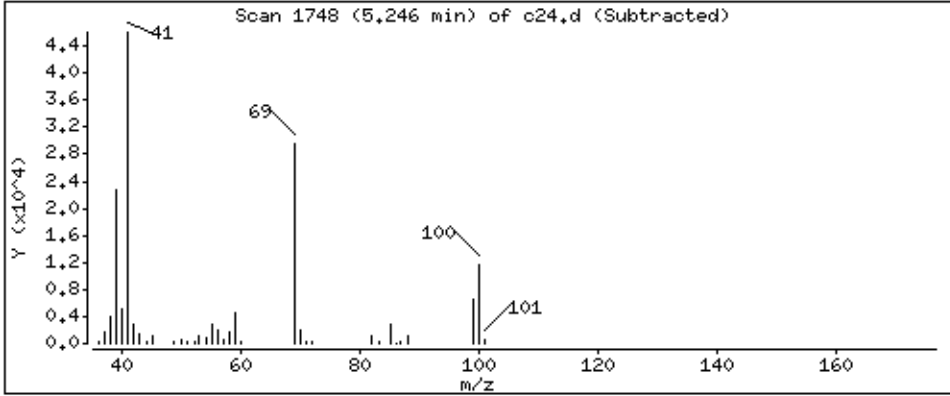
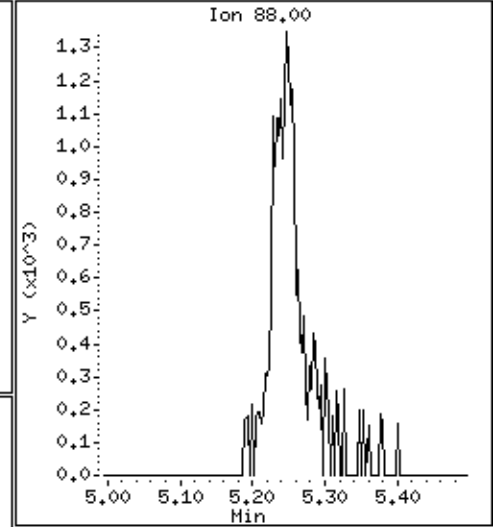
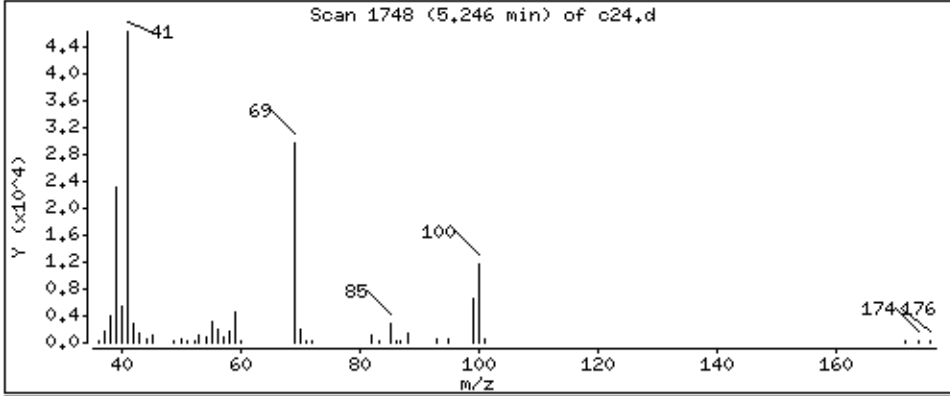
Operator: amv

Column phase: DB-624

Column diameter: 0.18

50 1,4-Dioxane

Concentration: 622 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

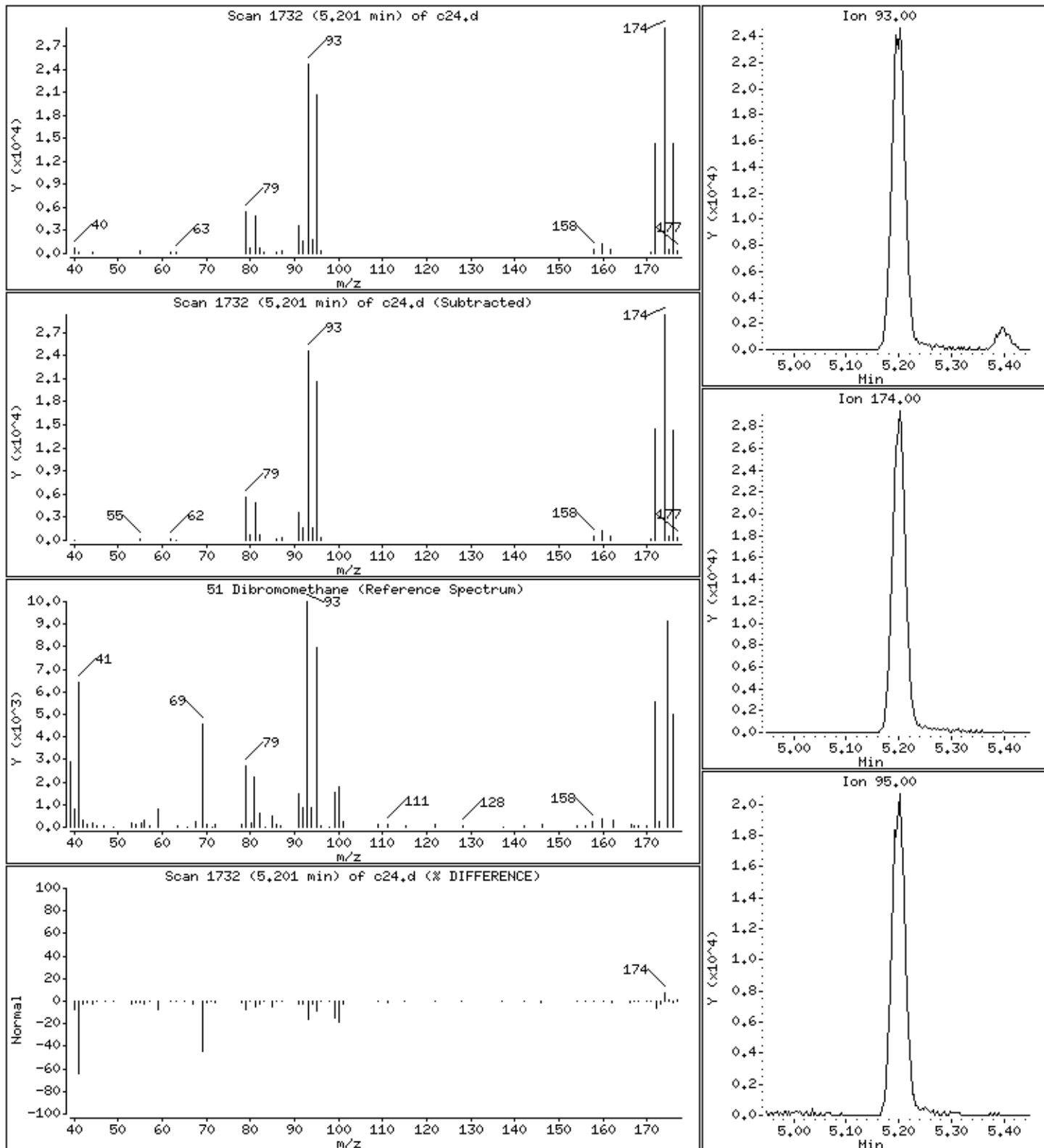
Operator: amv

Column phase: DB-624

Column diameter: 0.18

51 Dibromomethane

Concentration: 47.6 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

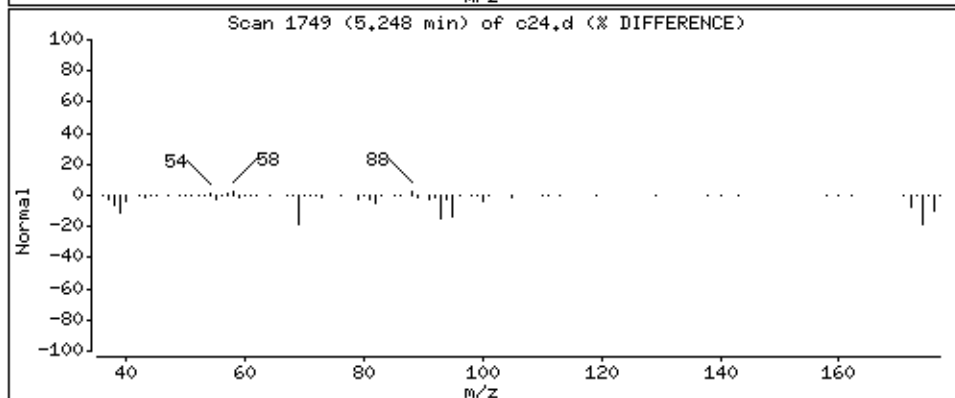
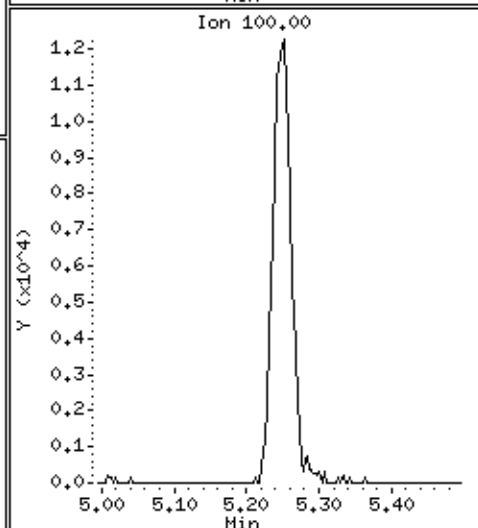
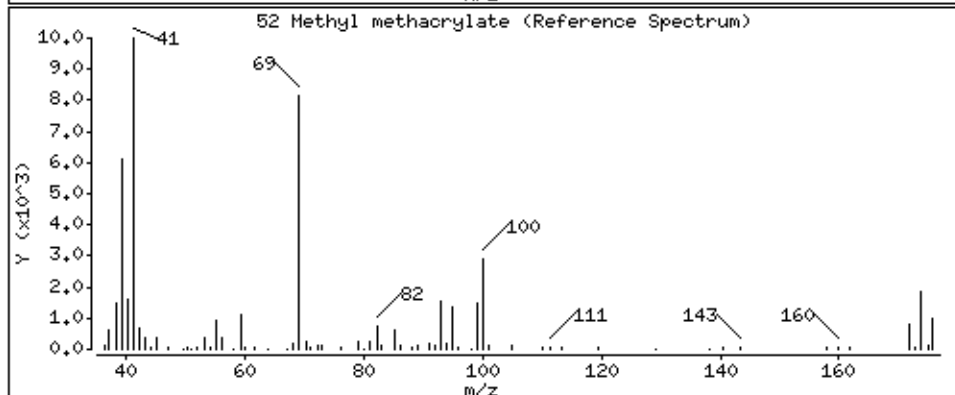
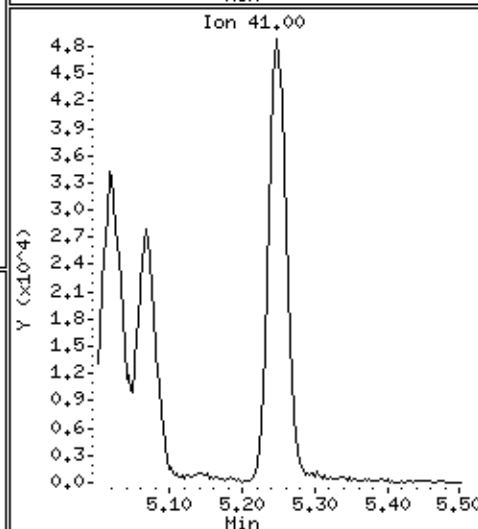
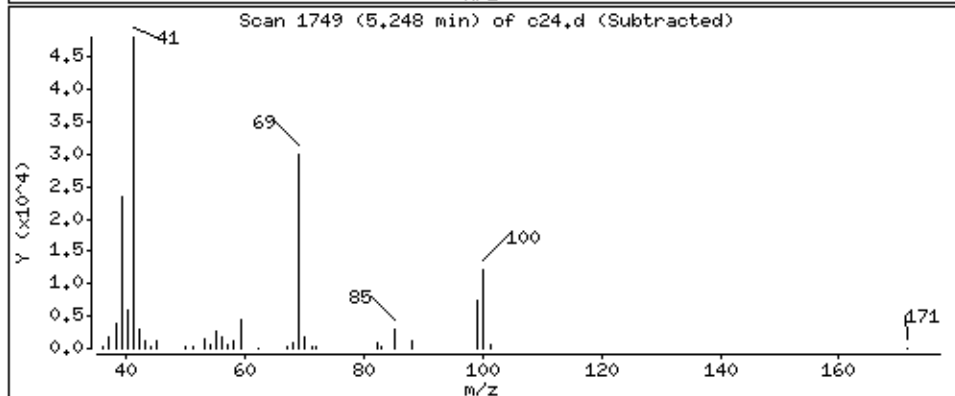
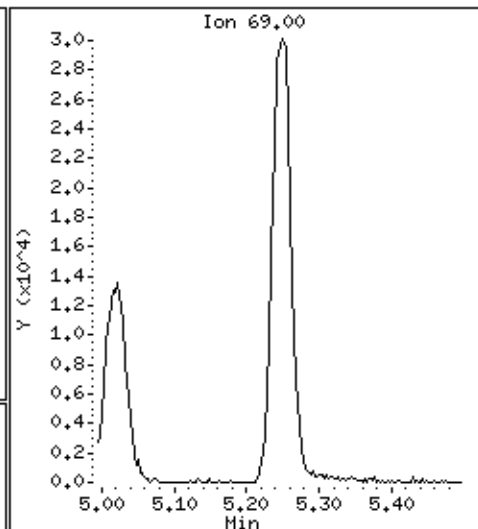
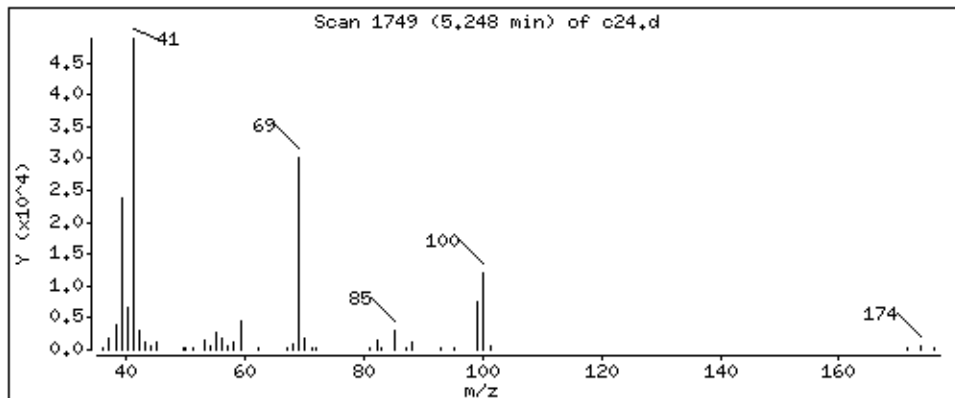
Operator: amv

Column phase: DB-624

Column diameter: 0,18

52 Methyl methacrylate

Concentration: 40,5 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

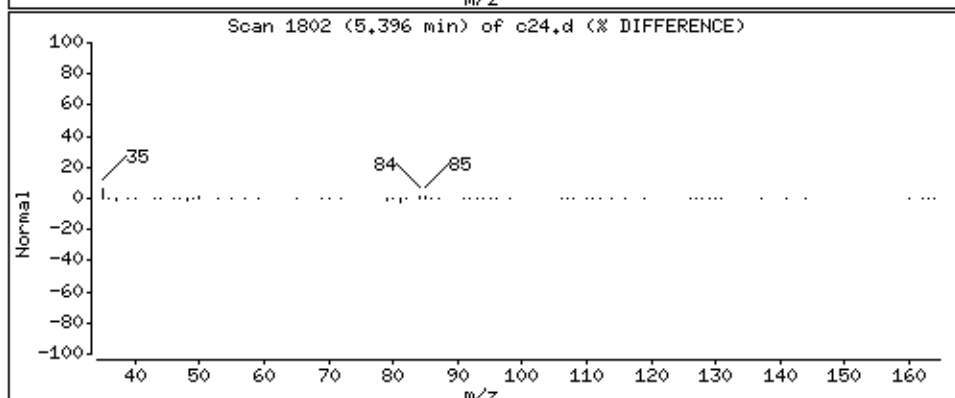
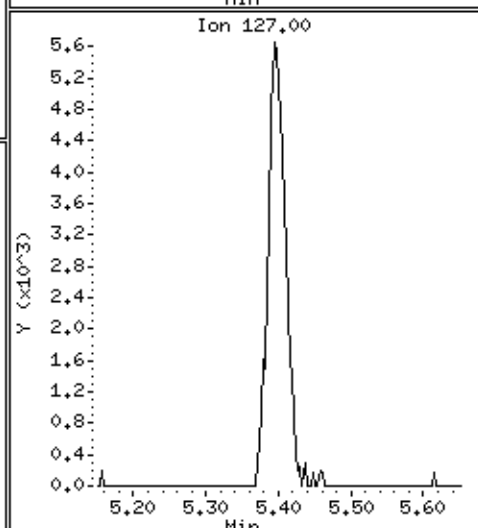
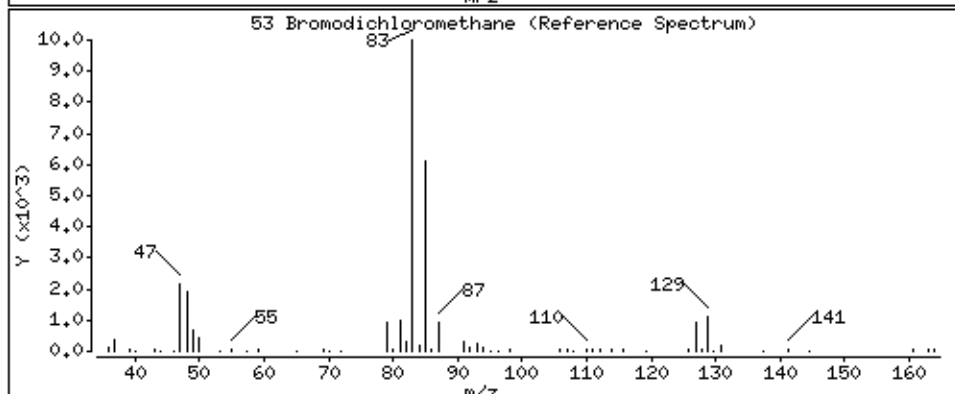
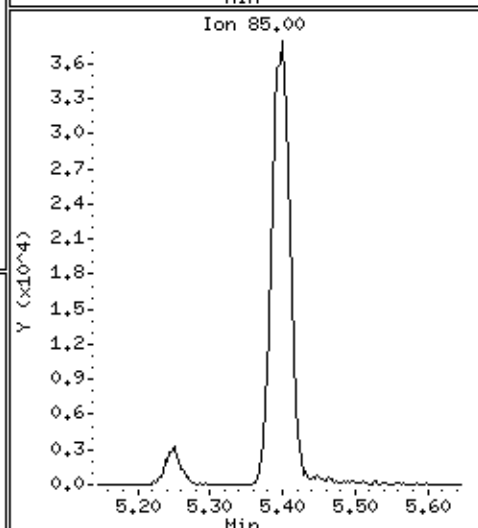
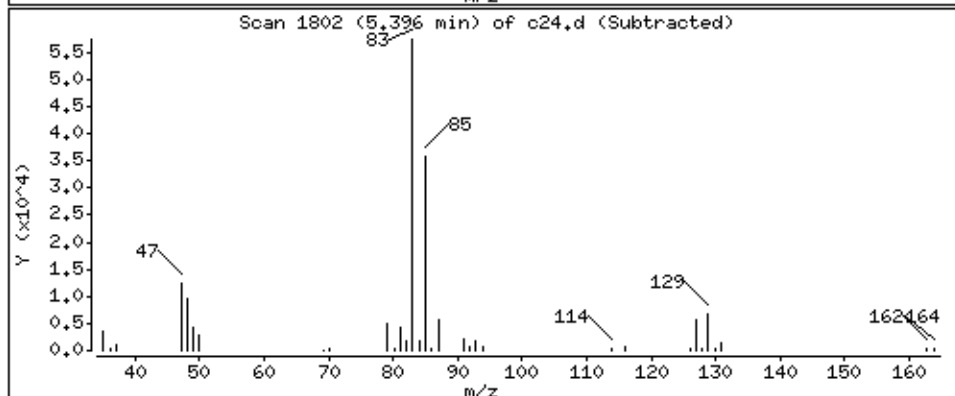
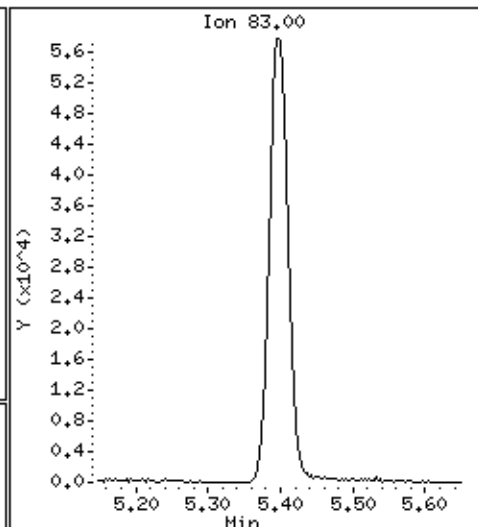
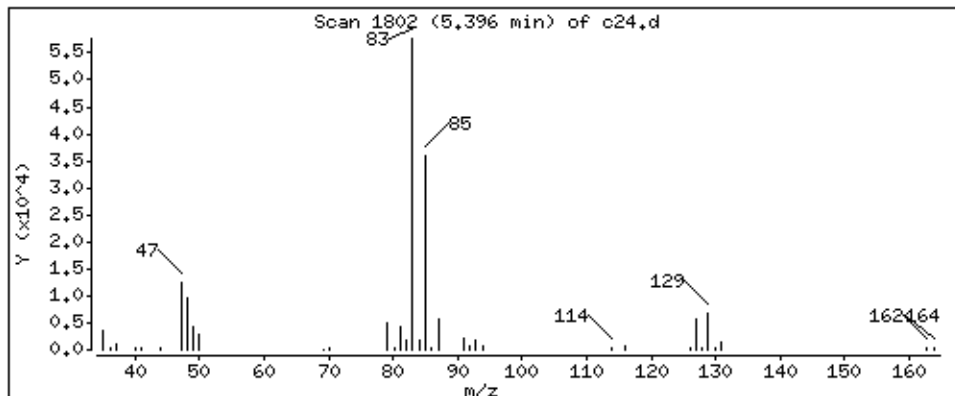
Operator: amv

Column phase: DB-624

Column diameter: 0,18

53 Bromodichloromethane

Concentration: 42.6 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

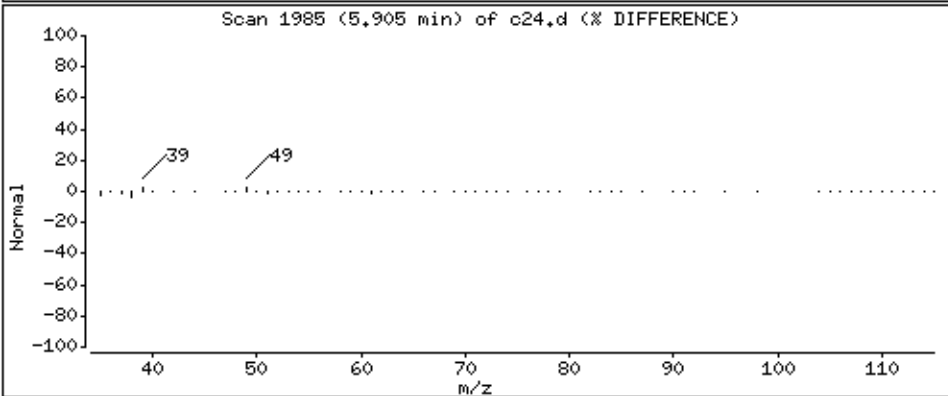
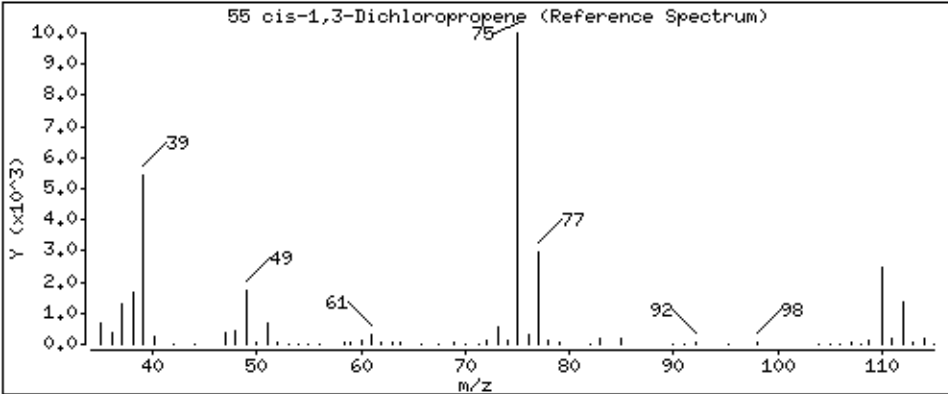
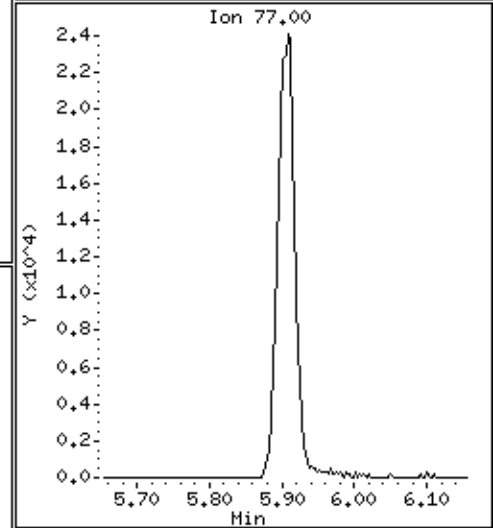
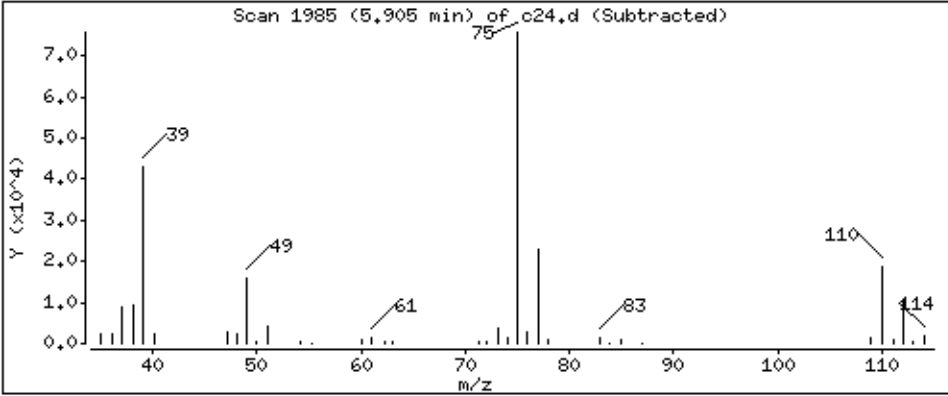
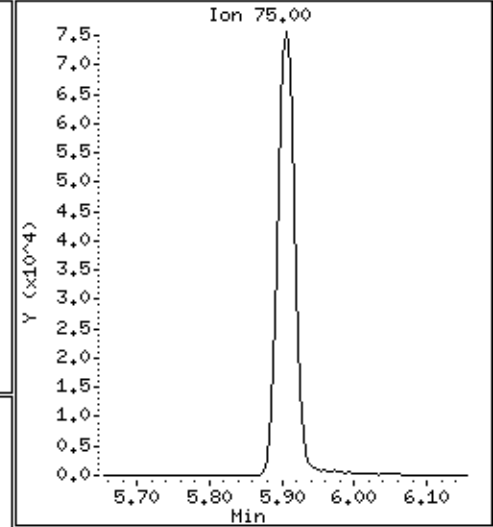
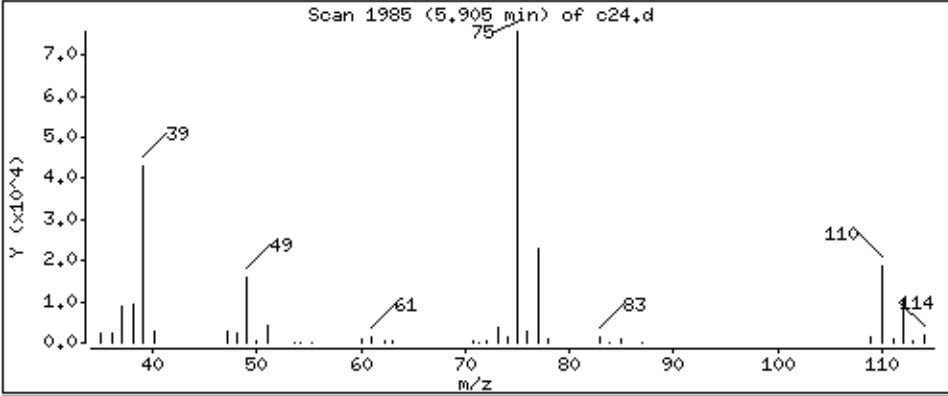
Operator: amv

Column phase: DB-624

Column diameter: 0.18

55 cis-1,3-Dichloropropene

Concentration: 41.5 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

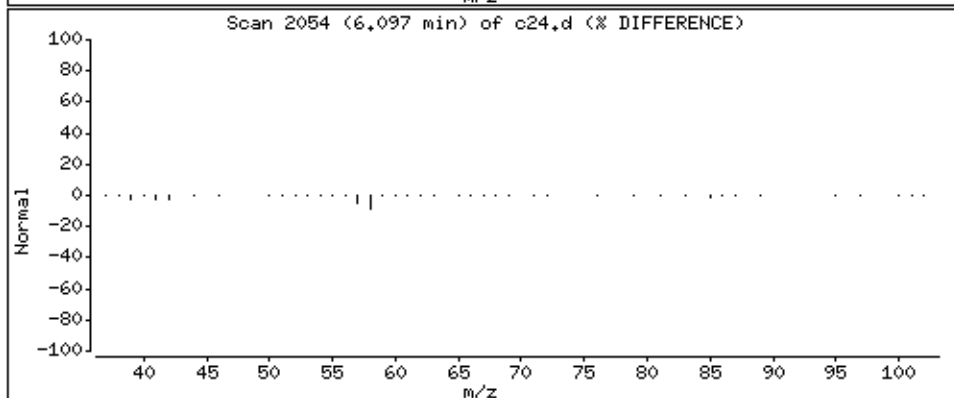
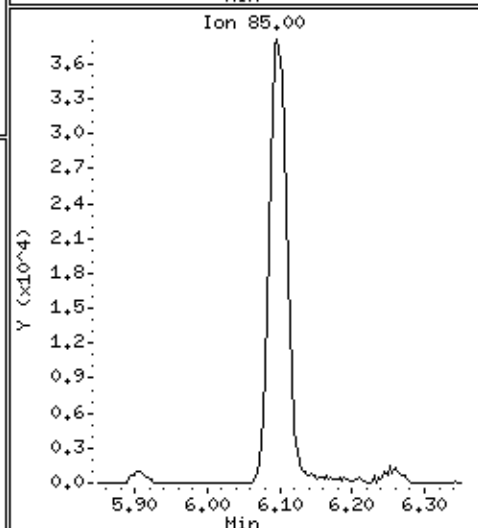
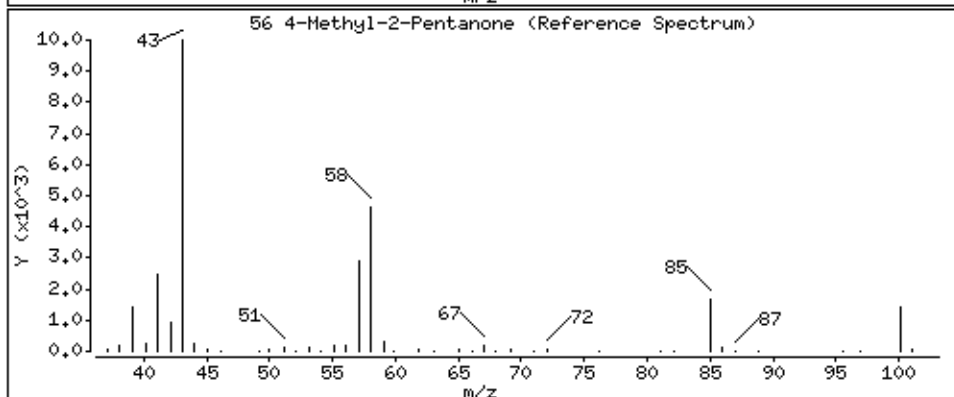
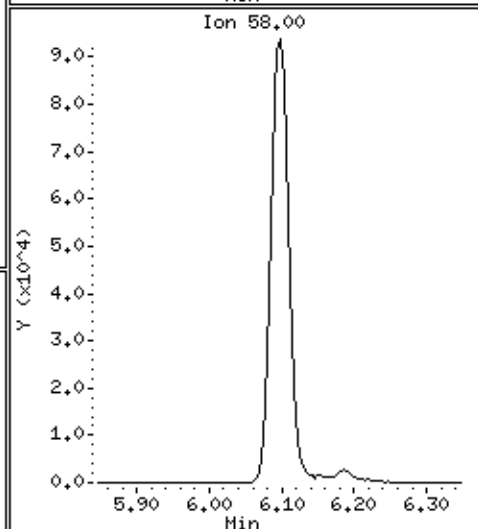
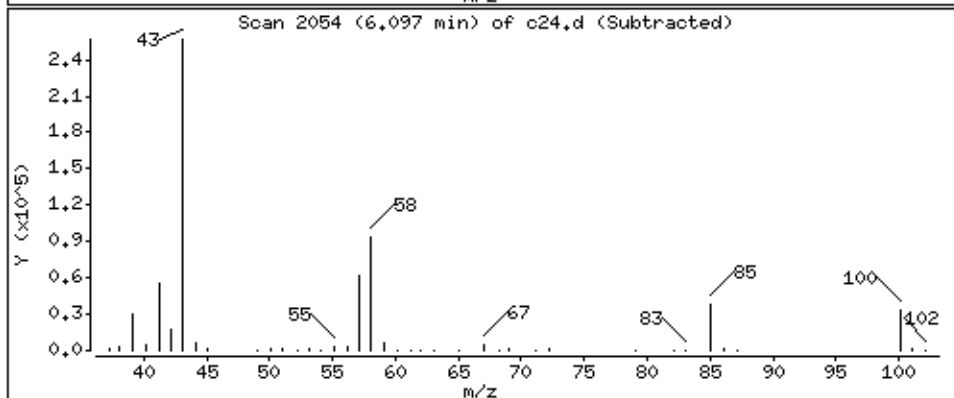
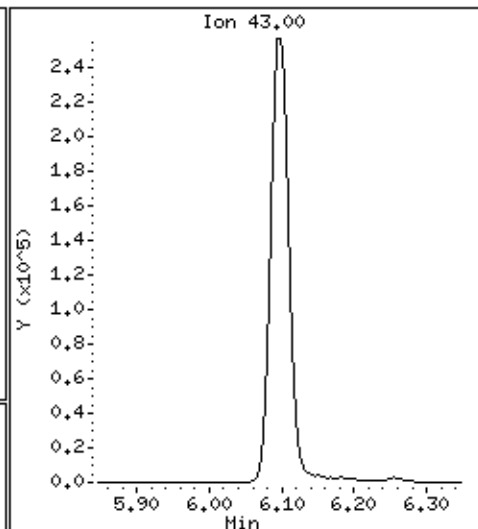
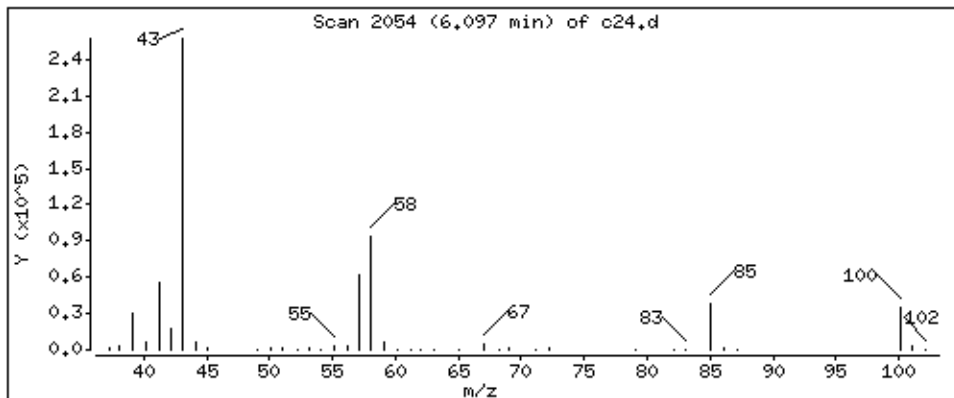
Operator: amv

Column phase: DB-624

Column diameter: 0,18

56 4-Methyl-2-Pentanone

Concentration: 194 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

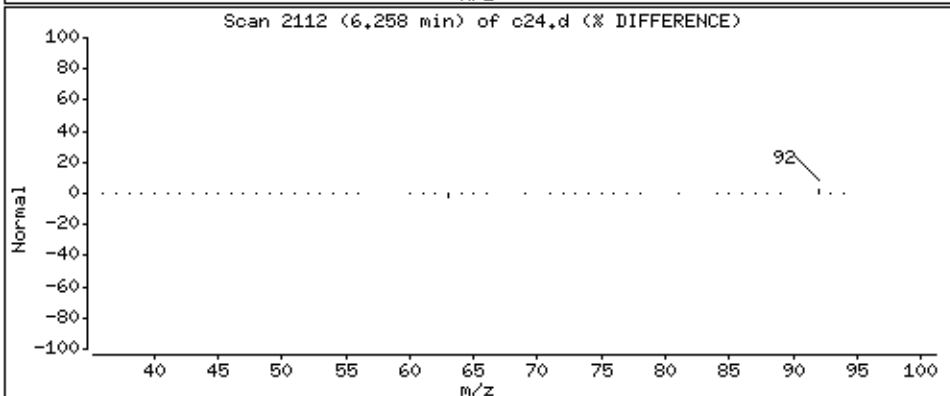
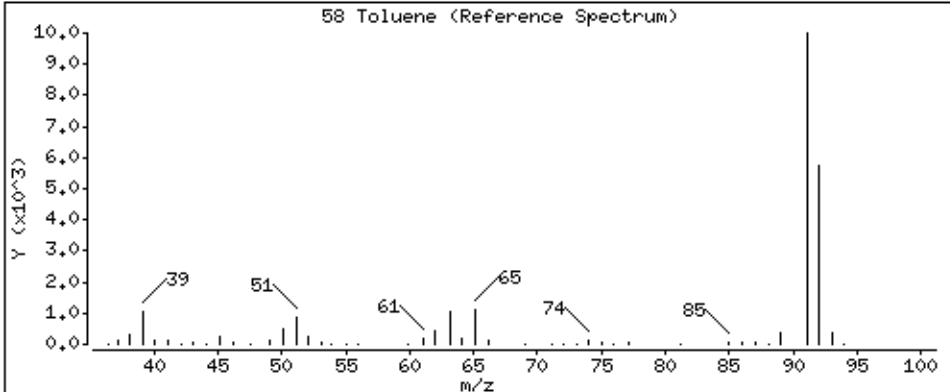
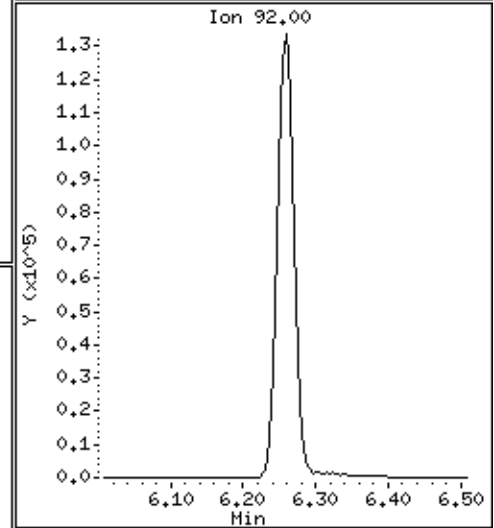
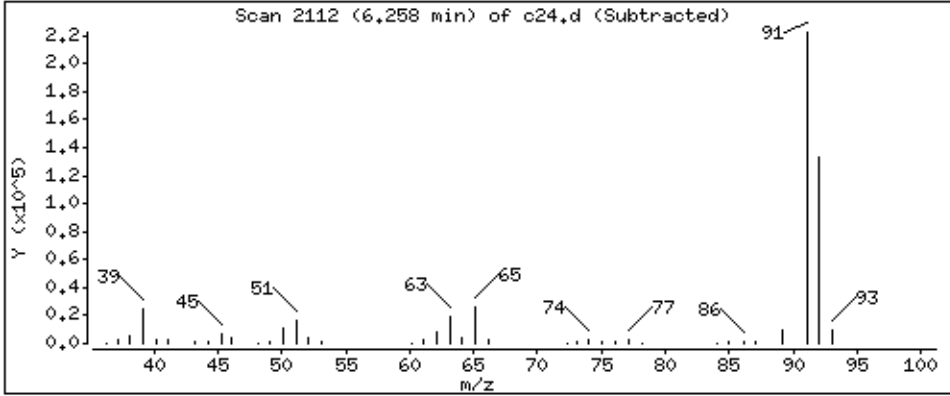
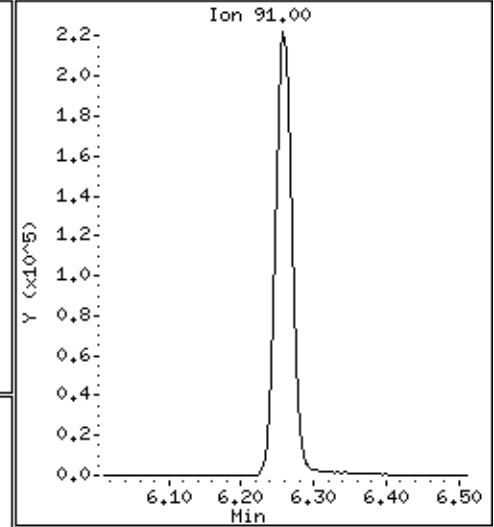
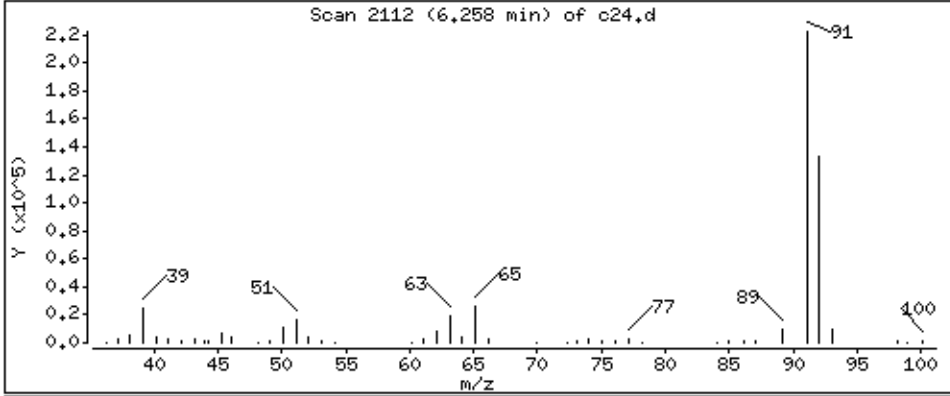
Operator: amv

Column phase: DB-624

Column diameter: 0.18

58 Toluene

Concentration: 41.5 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

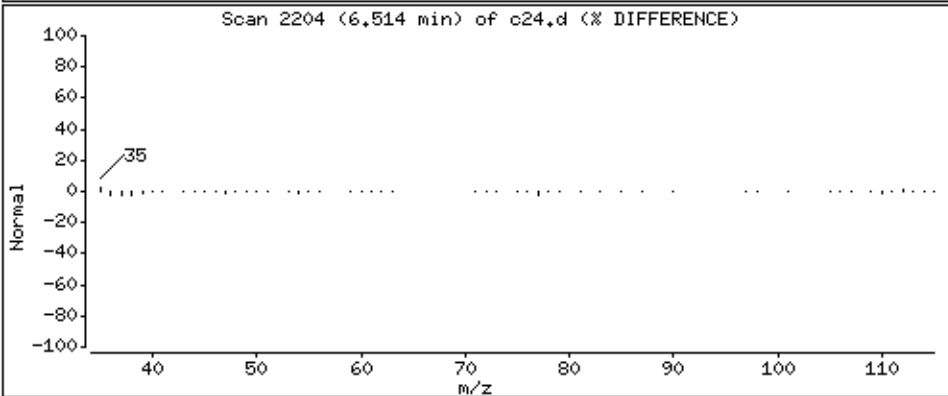
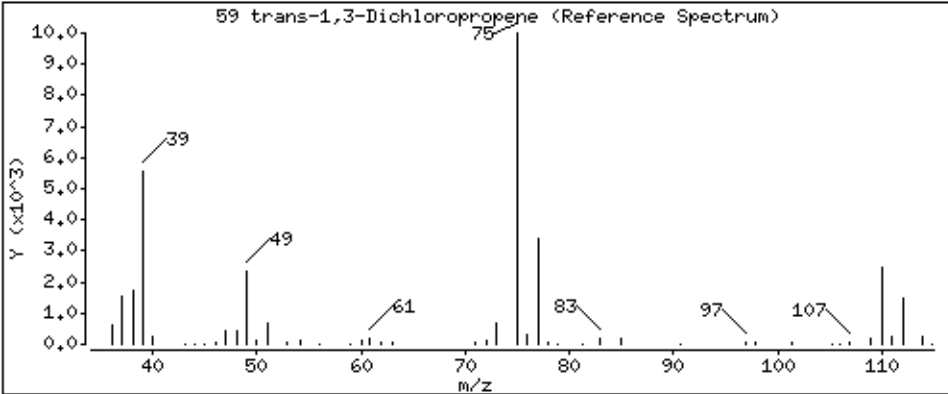
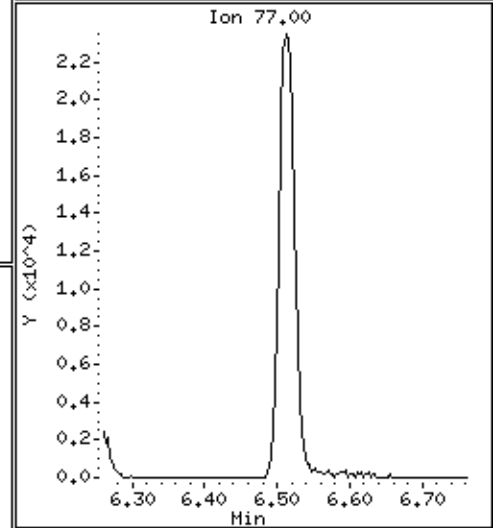
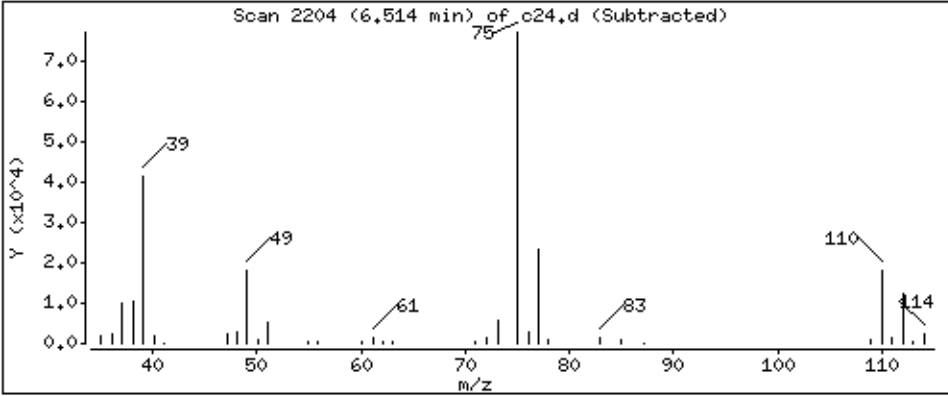
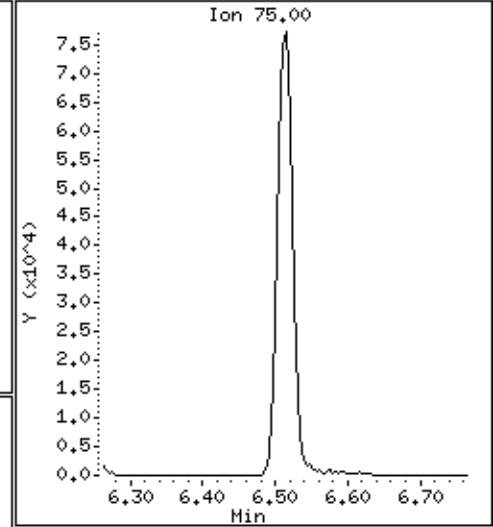
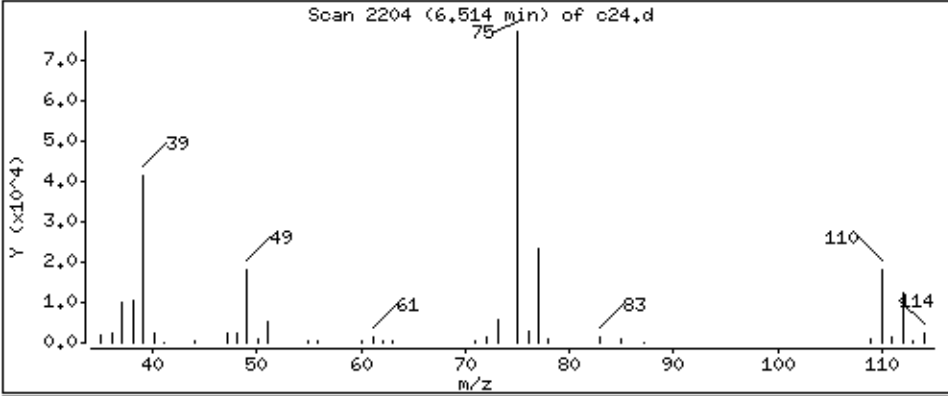
Operator: amv

Column phase: DB-624

Column diameter: 0.18

59 trans-1,3-Dichloropropene

Concentration: 39.1 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

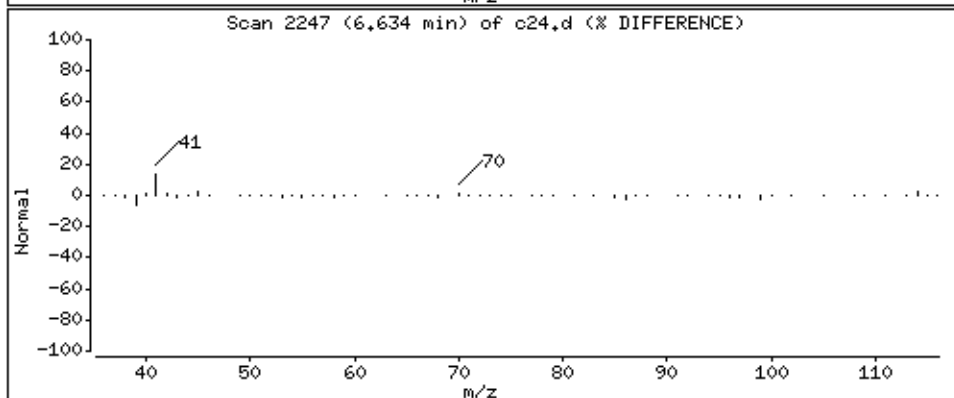
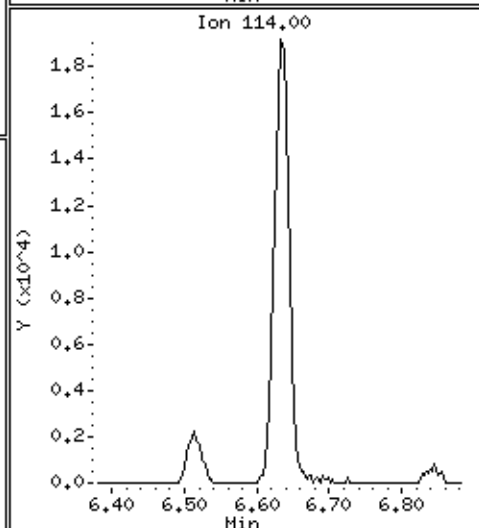
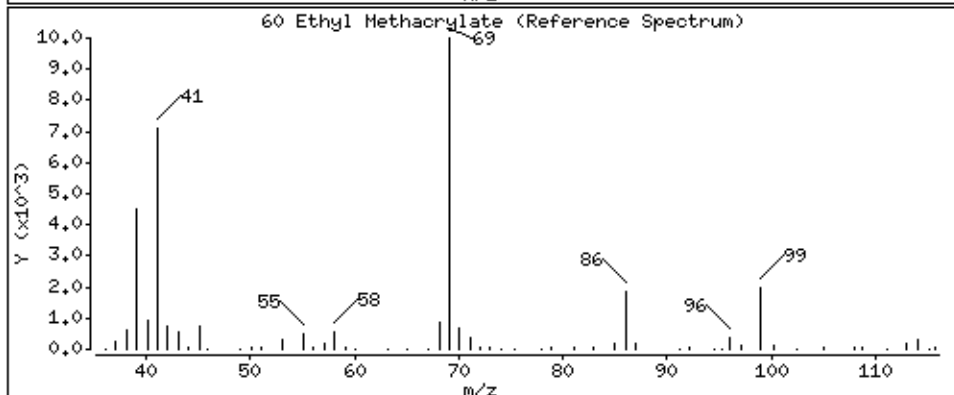
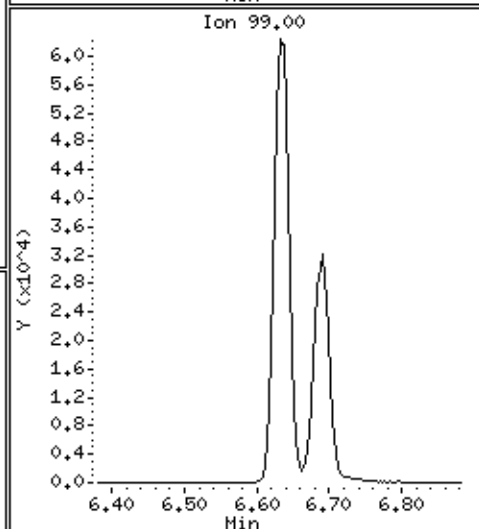
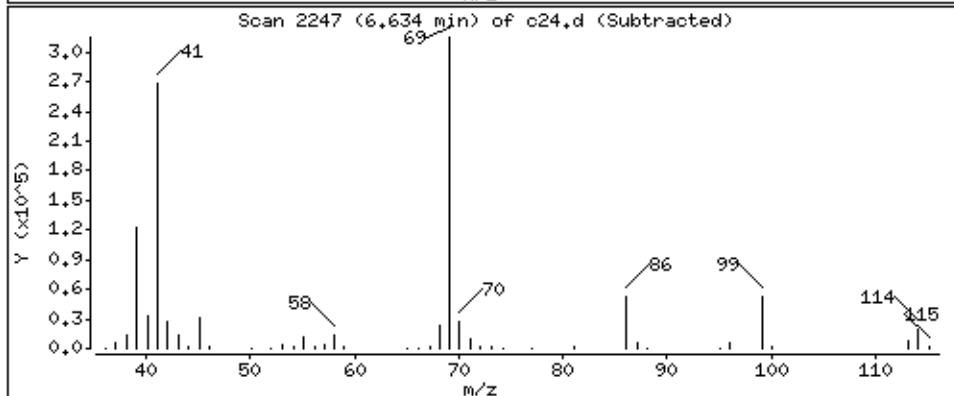
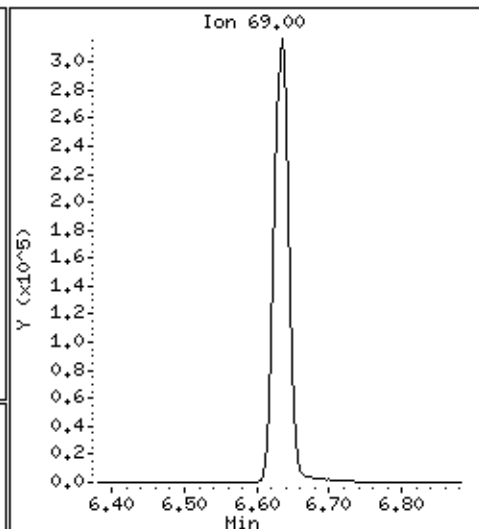
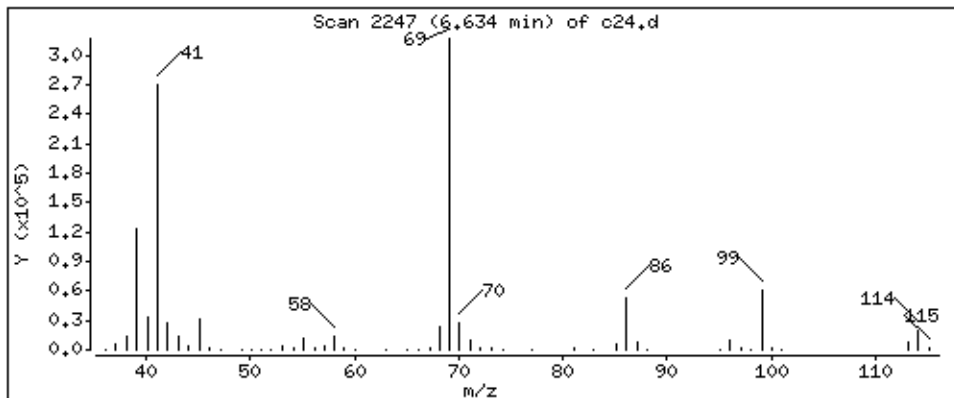
Operator: amv

Column phase: DB-624

Column diameter: 0.18

60 Ethyl Methacrylate

Concentration: 168 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

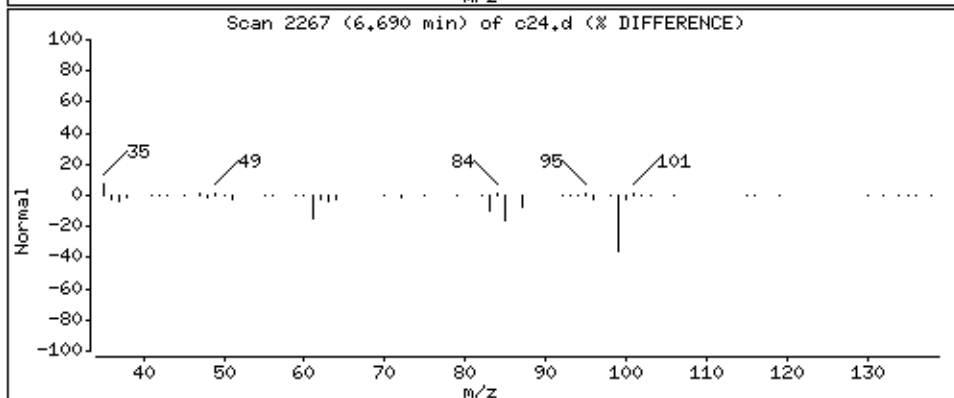
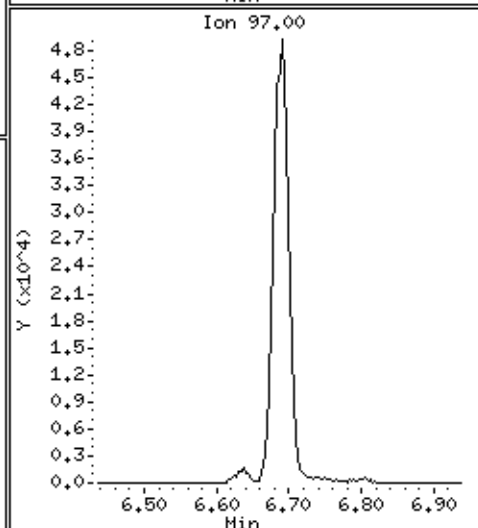
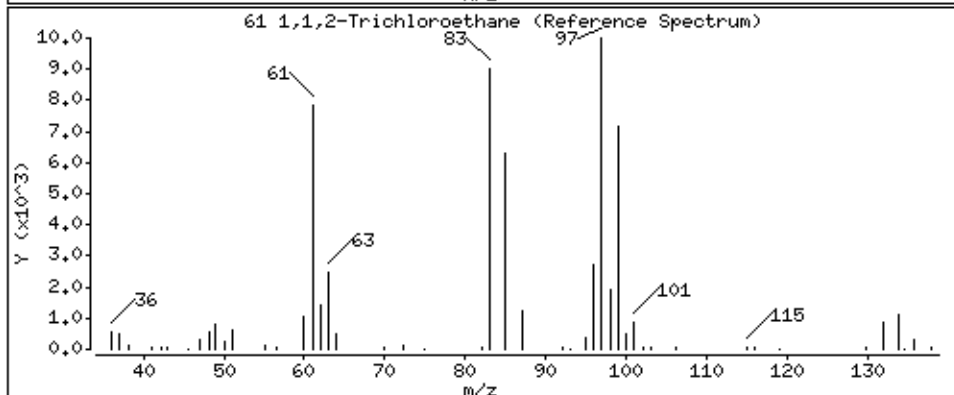
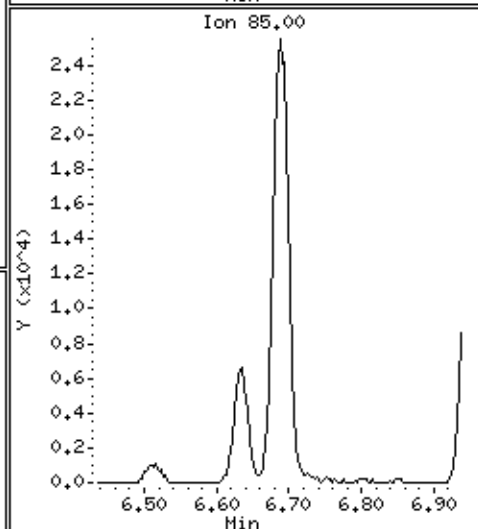
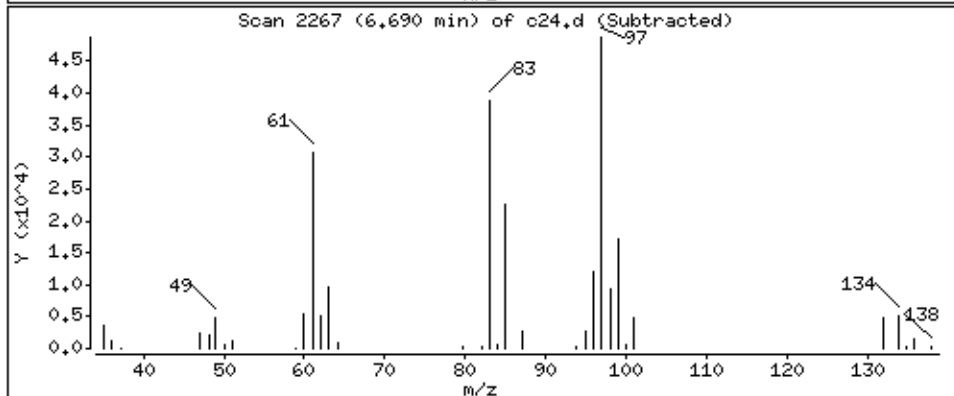
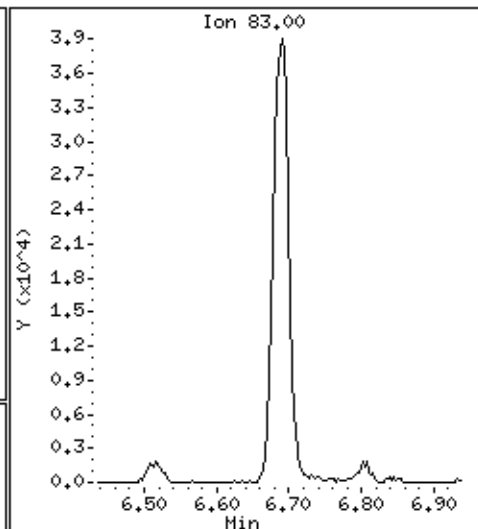
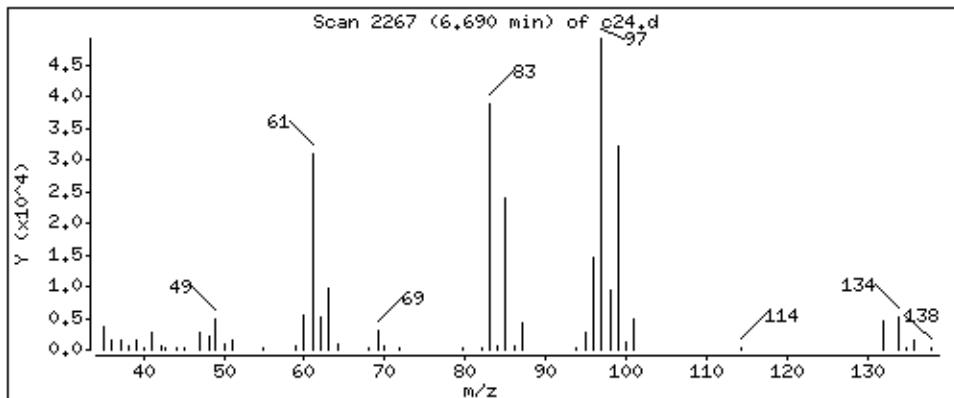
Operator: amv

Column phase: DB-624

Column diameter: 0,18

61 1,1,2-Trichloroethane

Concentration: 46,6 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

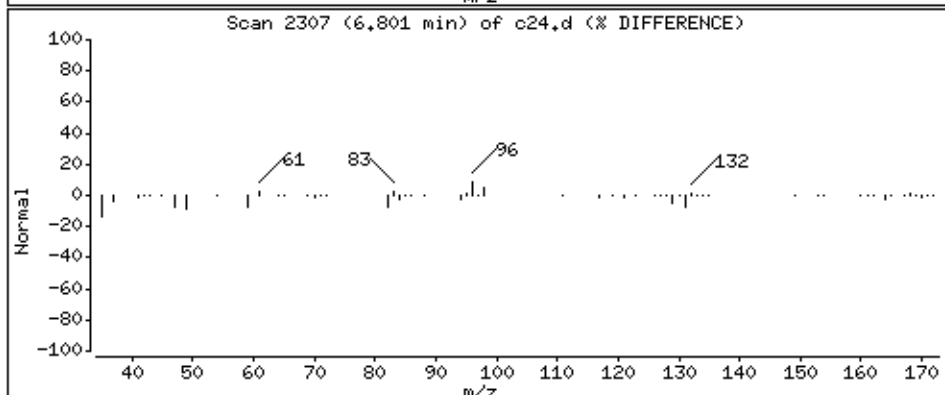
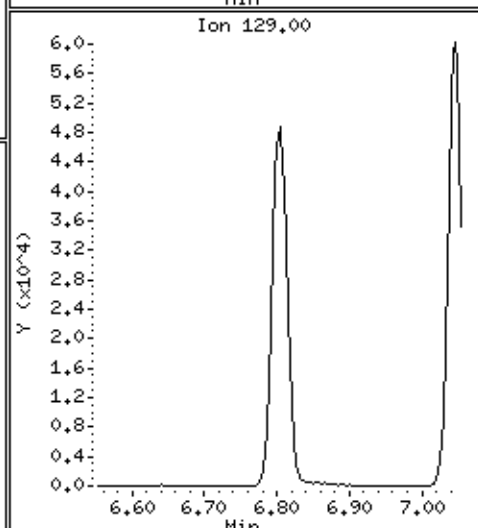
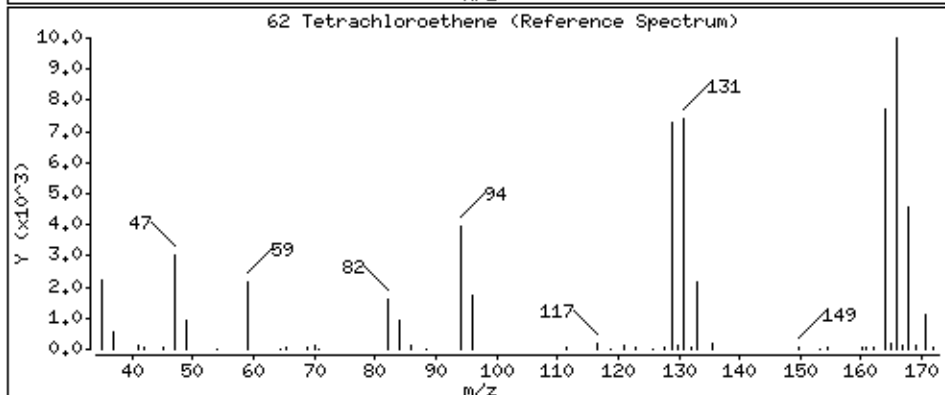
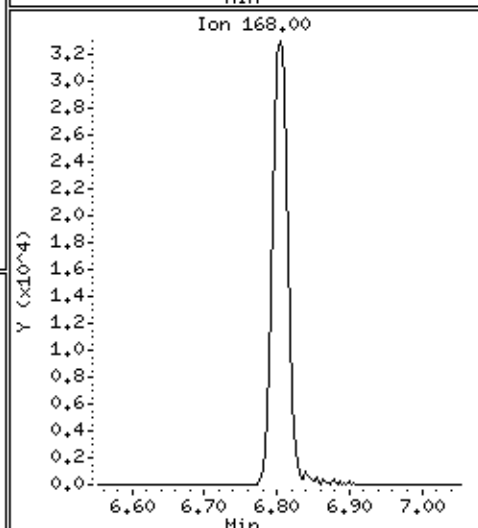
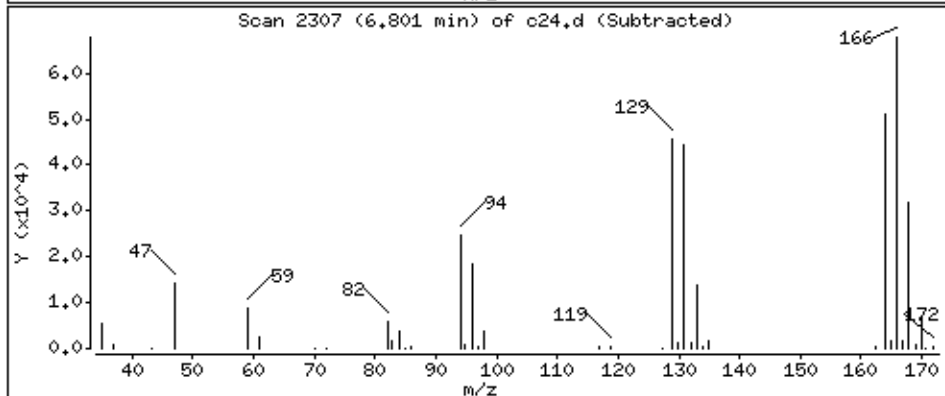
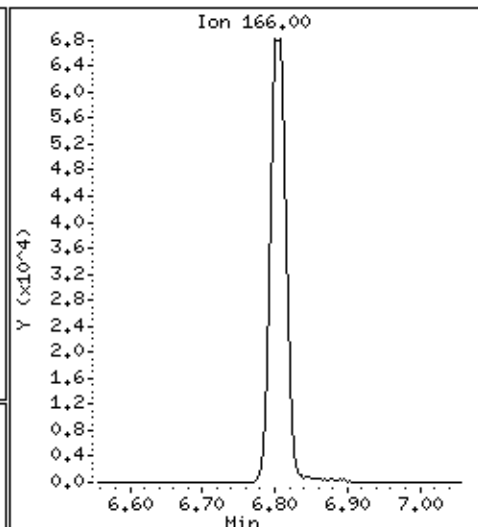
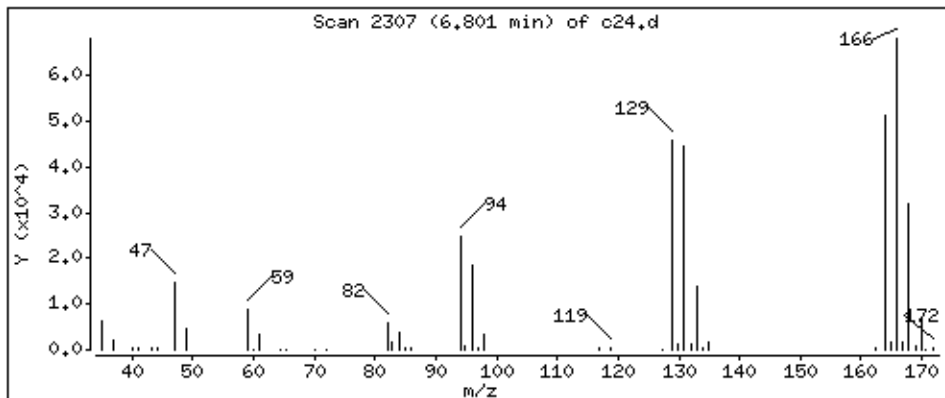
Operator: amv

Column phase: DB-624

Column diameter: 0,18

62 Tetrachloroethene

Concentration: 43,8 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

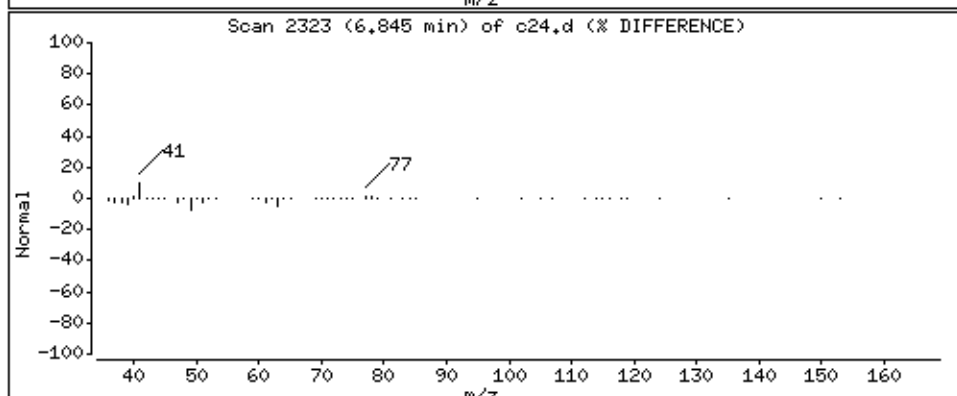
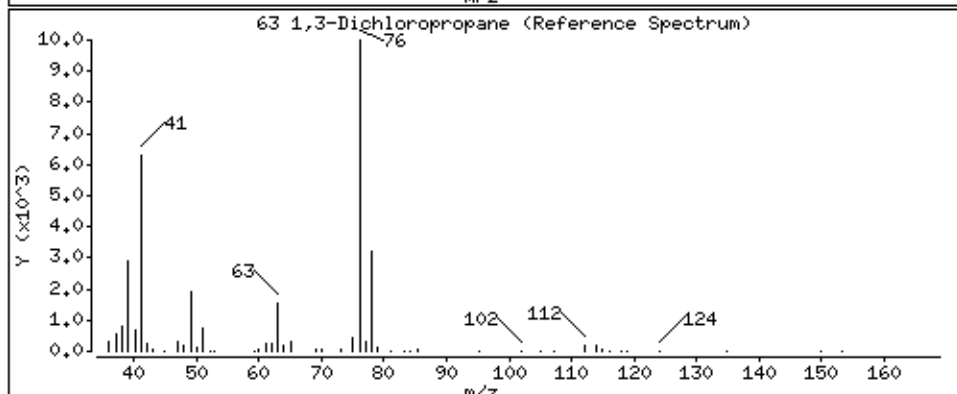
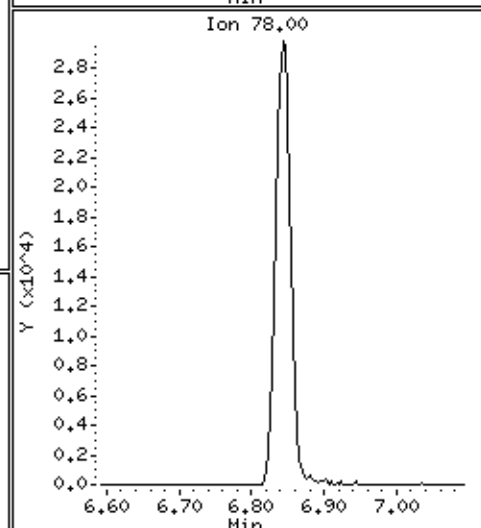
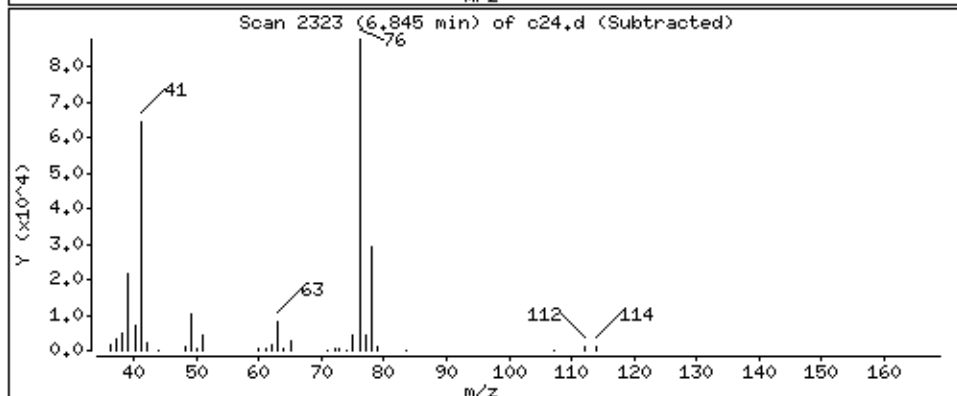
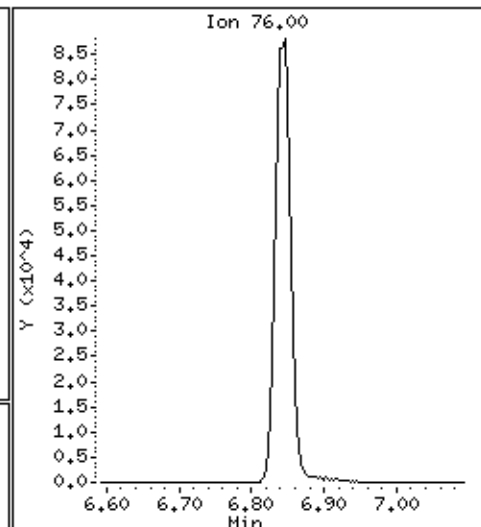
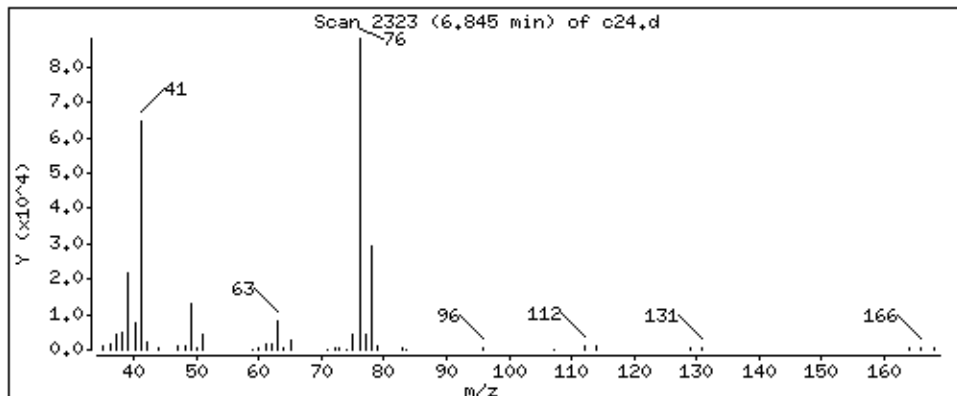
Operator: amv

Column phase: DB-624

Column diameter: 0,18

63 1,3-Dichloropropane

Concentration: 45,5 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

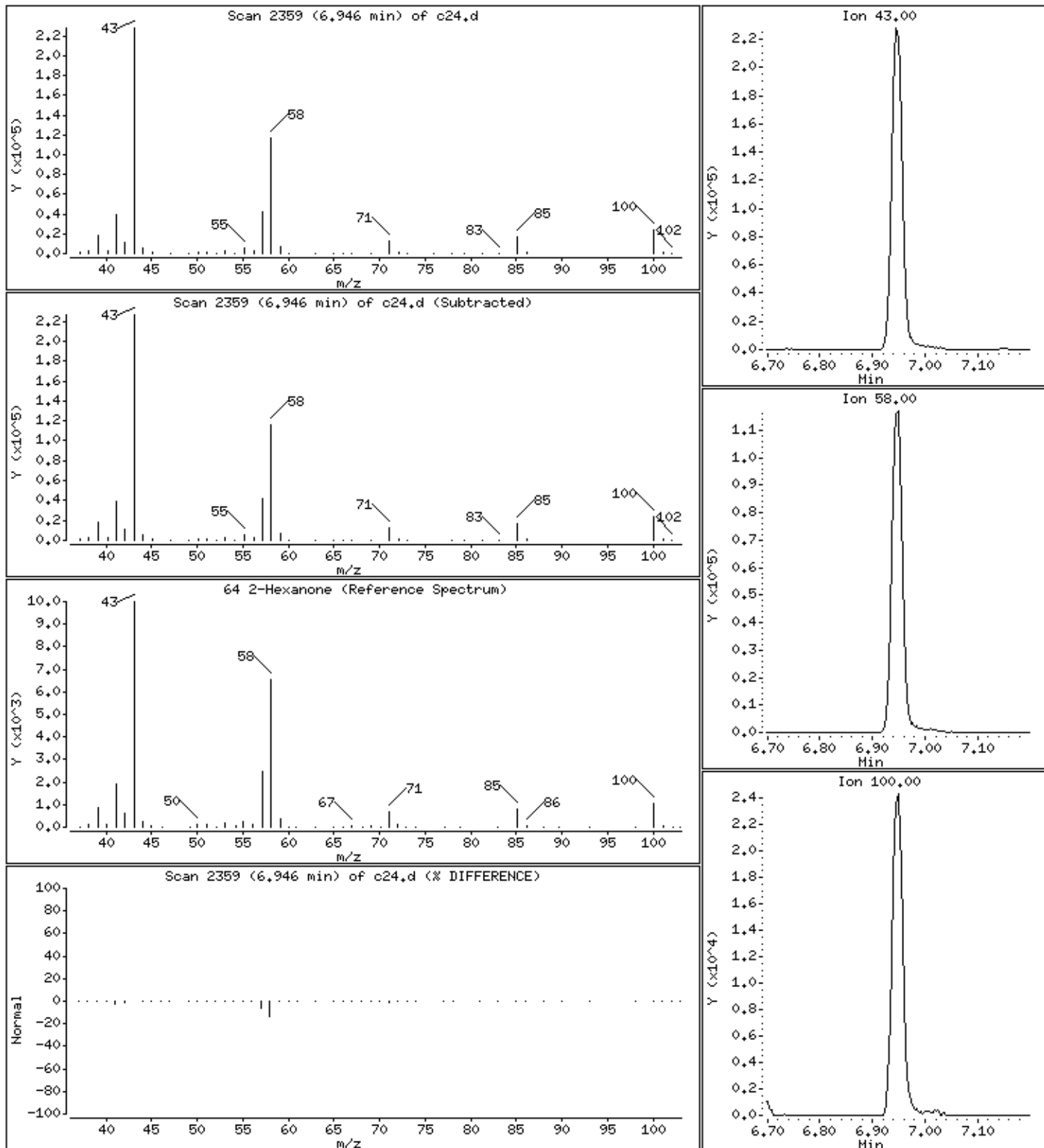
Operator: amv

Column phase: DB-624

Column diameter: 0.18

64 2-Hexanone

Concentration: 188 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

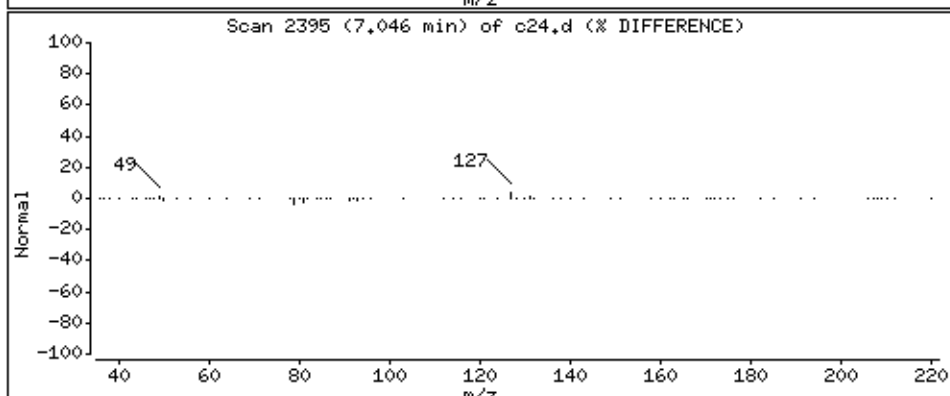
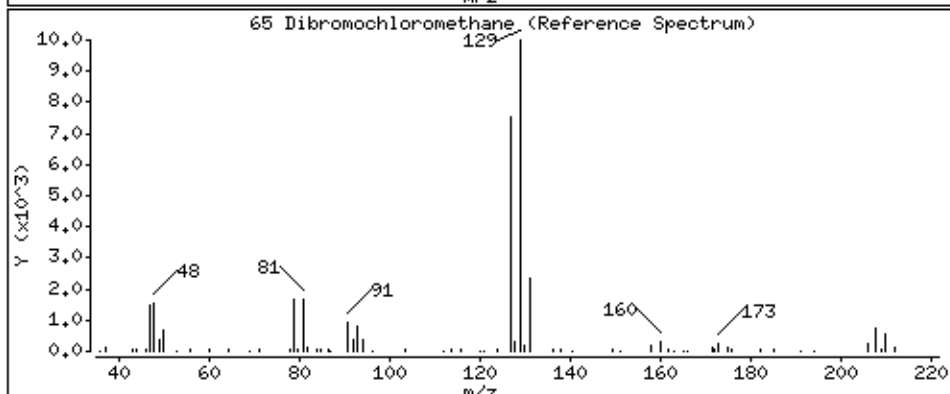
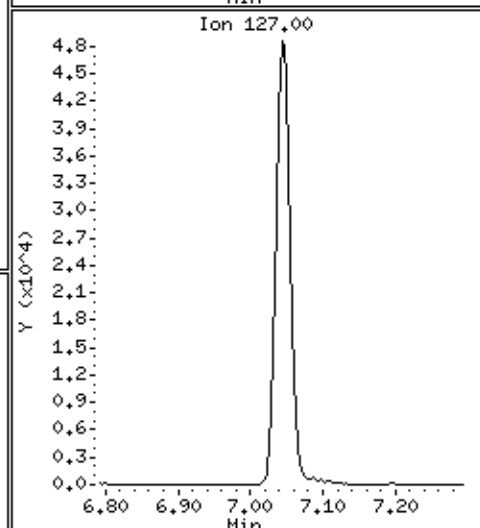
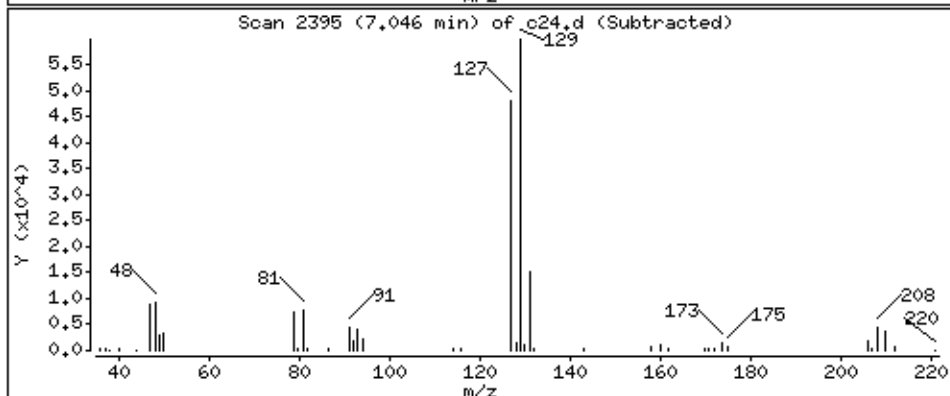
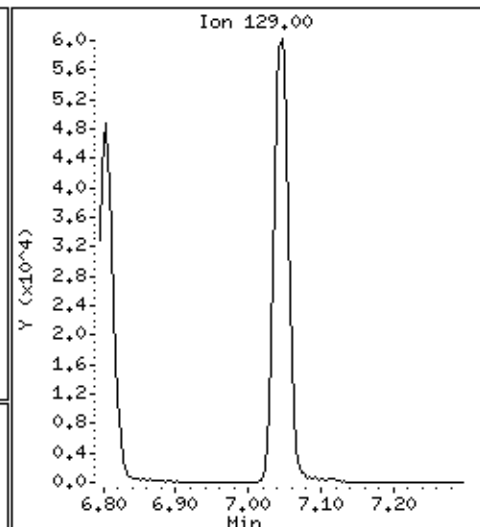
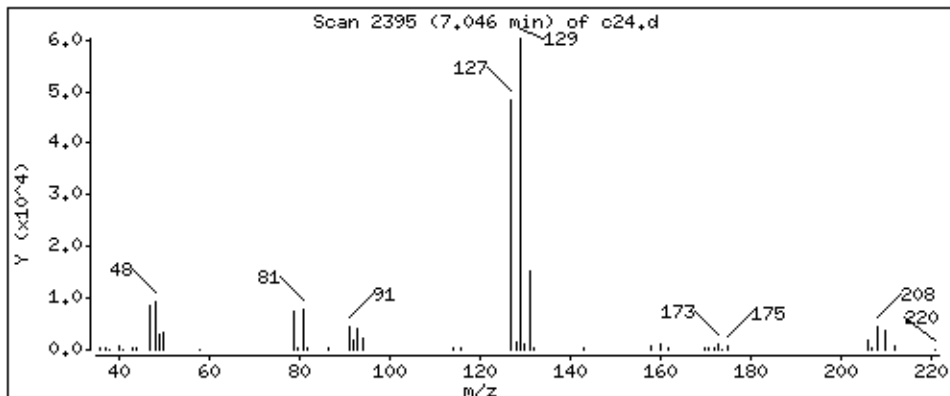
Operator: amv

Column phase: DB-624

Column diameter: 0,18

65 Dibromochloromethane

Concentration: 44,6 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

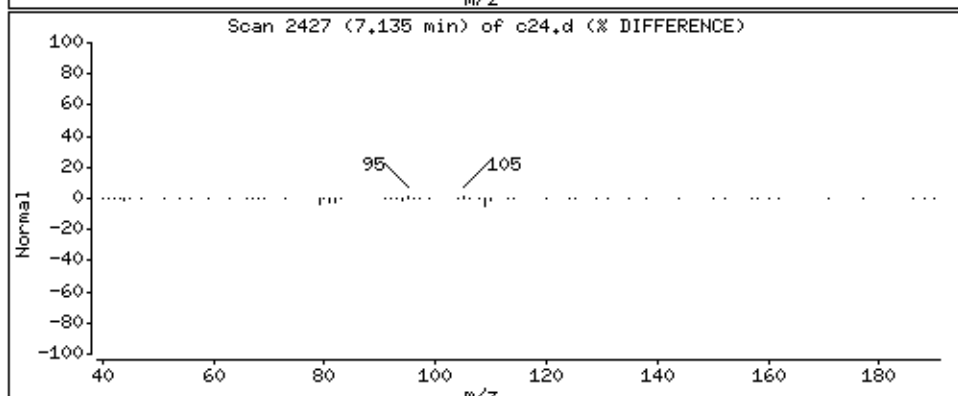
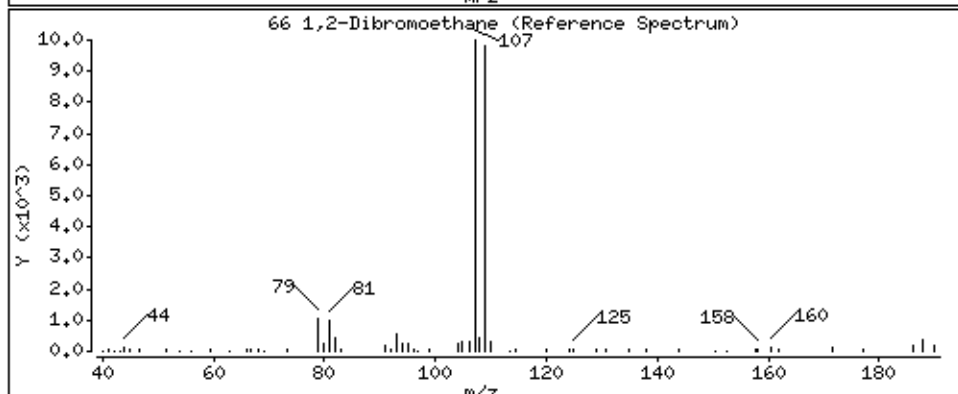
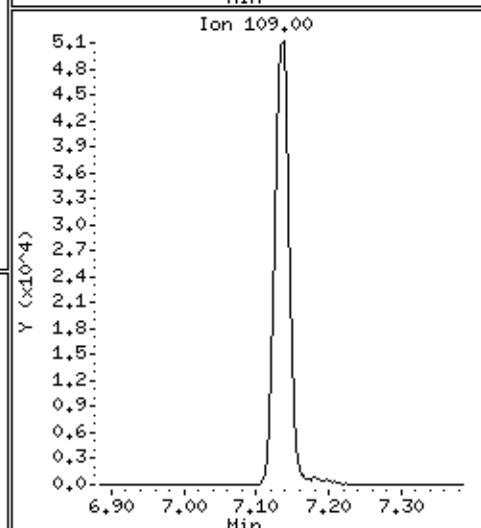
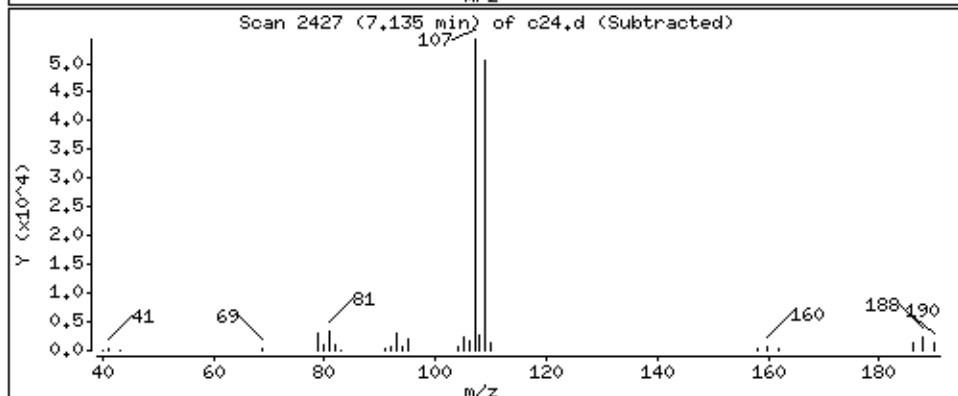
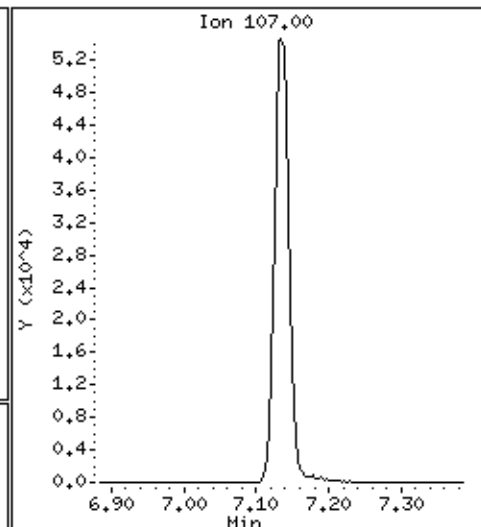
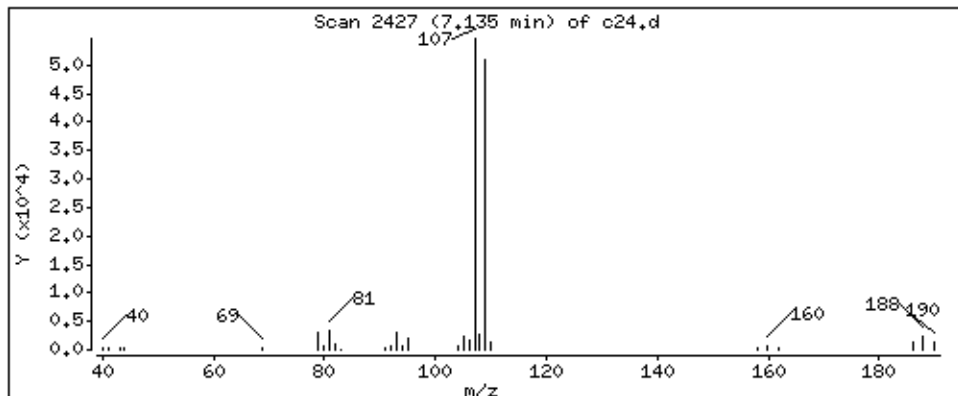
Operator: amv

Column phase: DB-624

Column diameter: 0.18

66 1,2-Dibromoethane

Concentration: 47.0 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

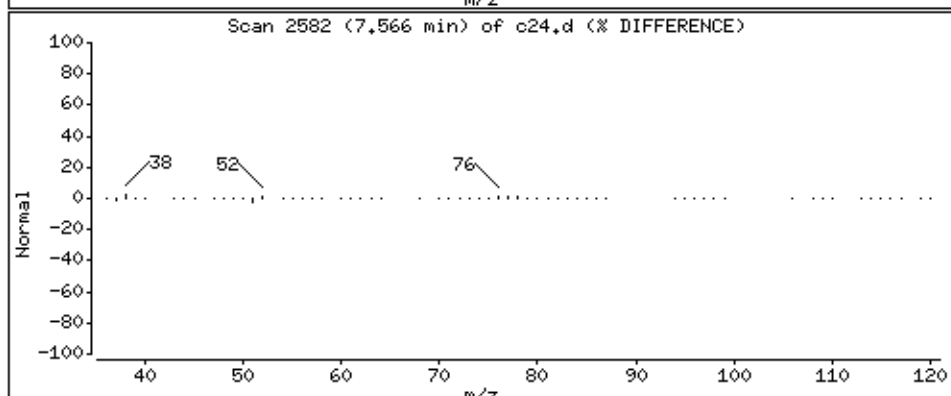
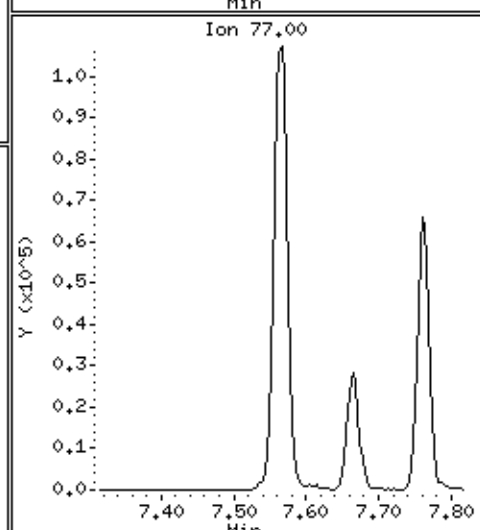
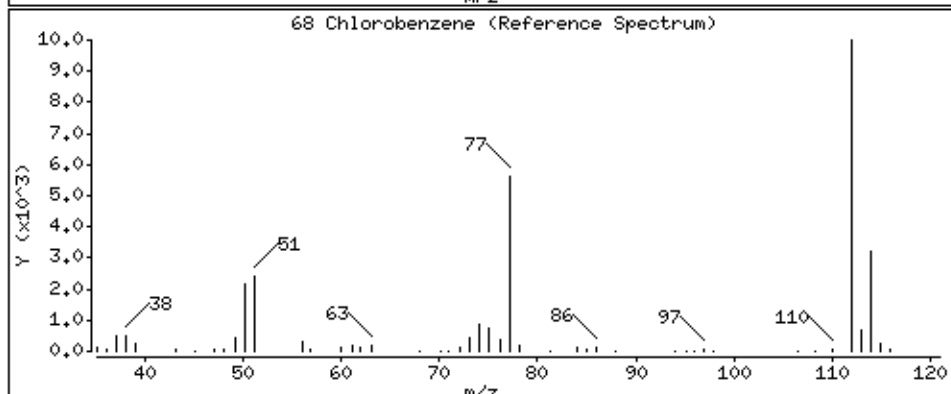
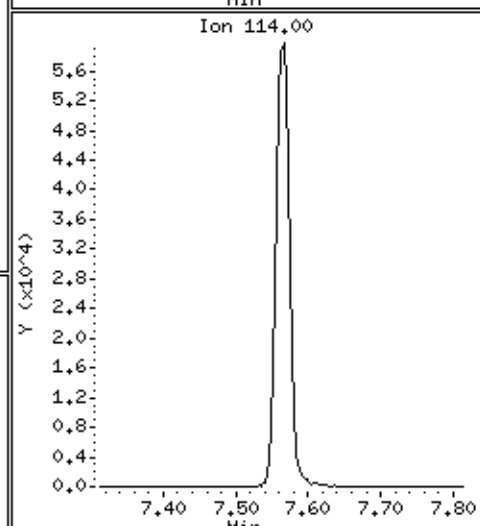
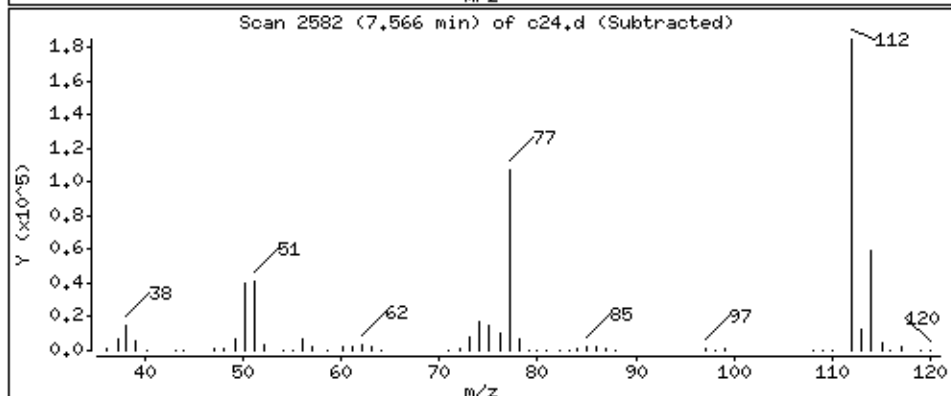
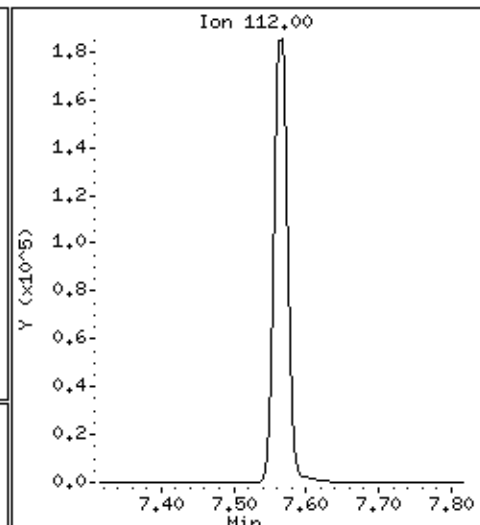
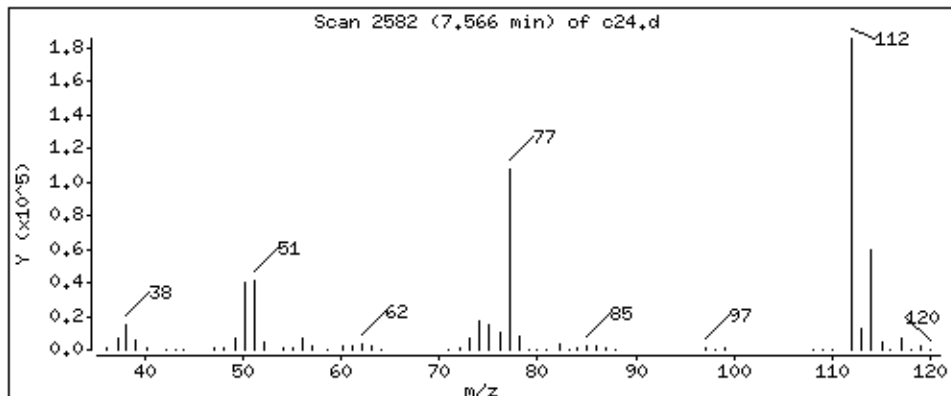
Operator: amv

Column phase: DB-624

Column diameter: 0,18

68 Chlorobenzene

Concentration: 47.2 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

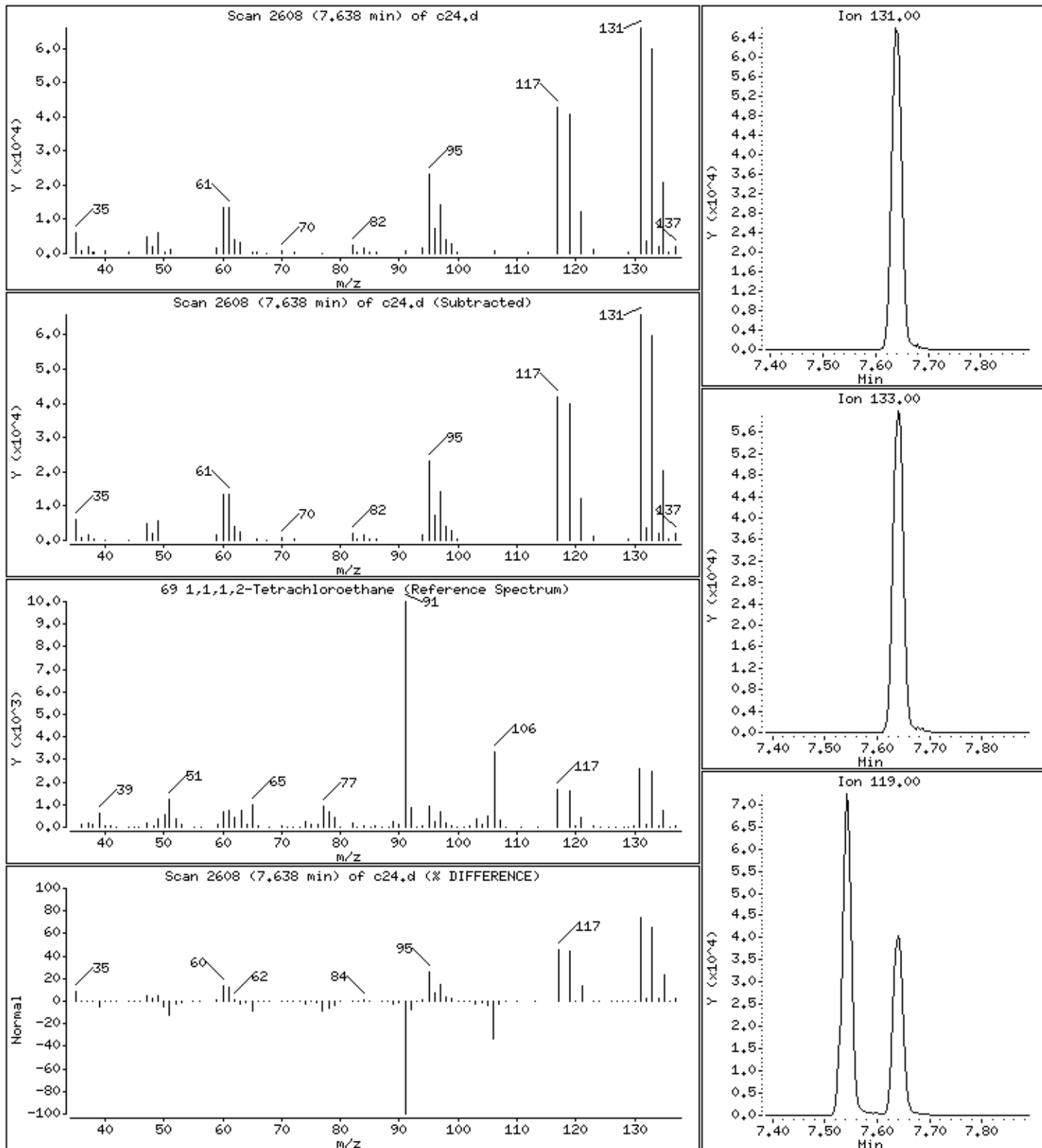
Operator: amv

Column phase: DB-624

Column diameter: 0.18

69 1,1,1,2-Tetrachloroethane

Concentration: 44.8 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

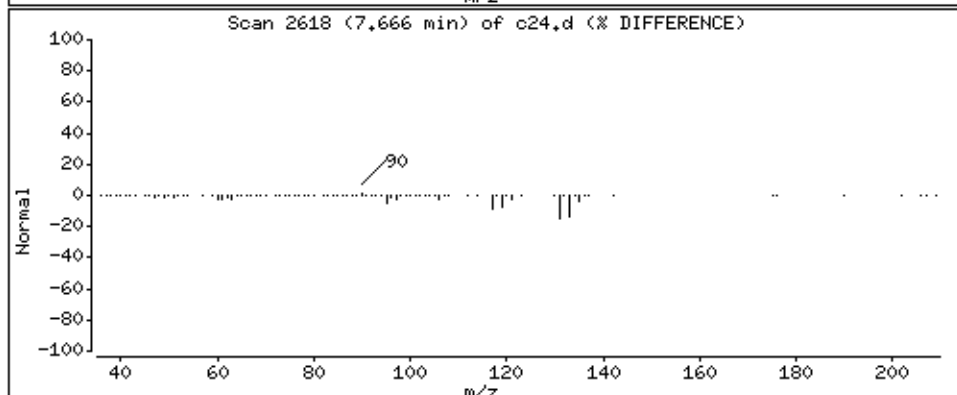
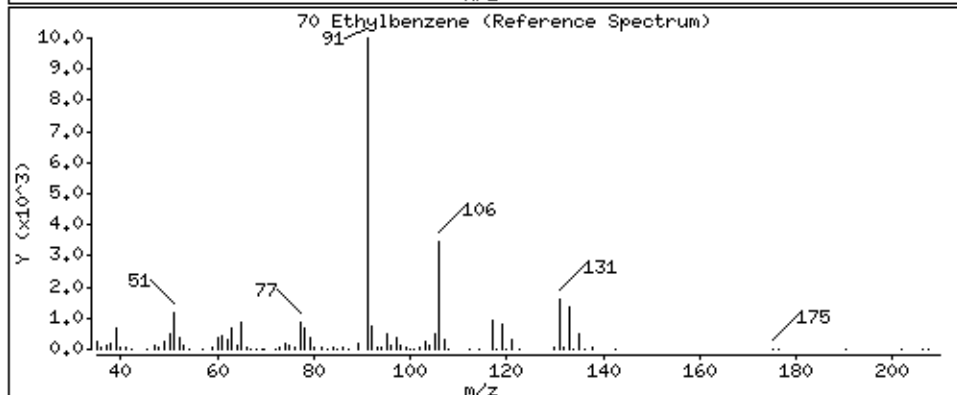
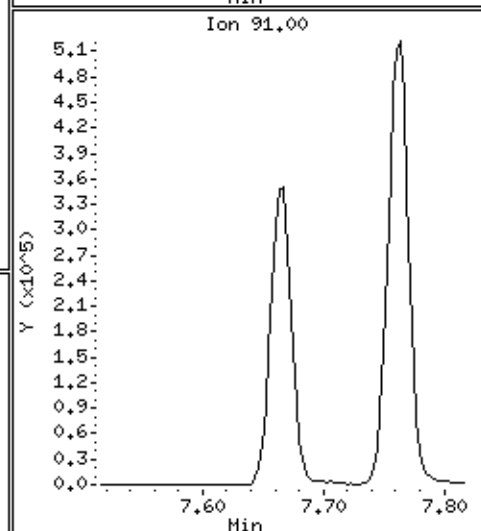
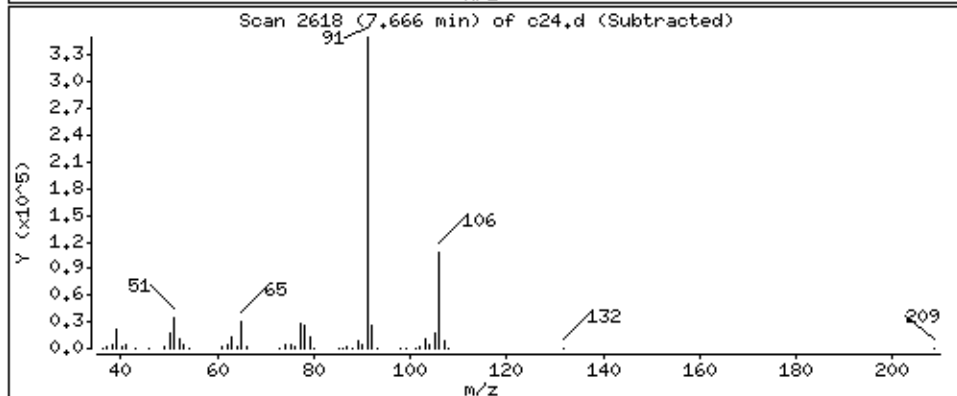
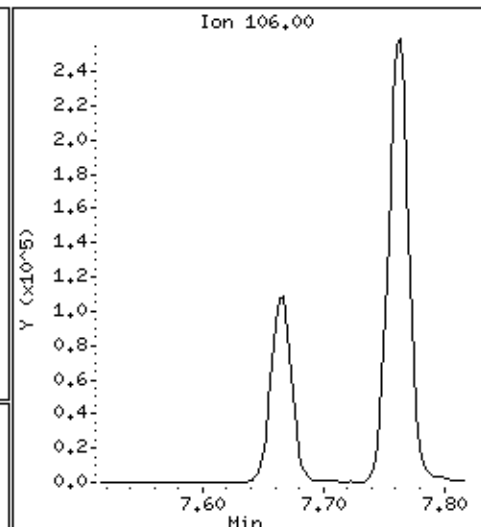
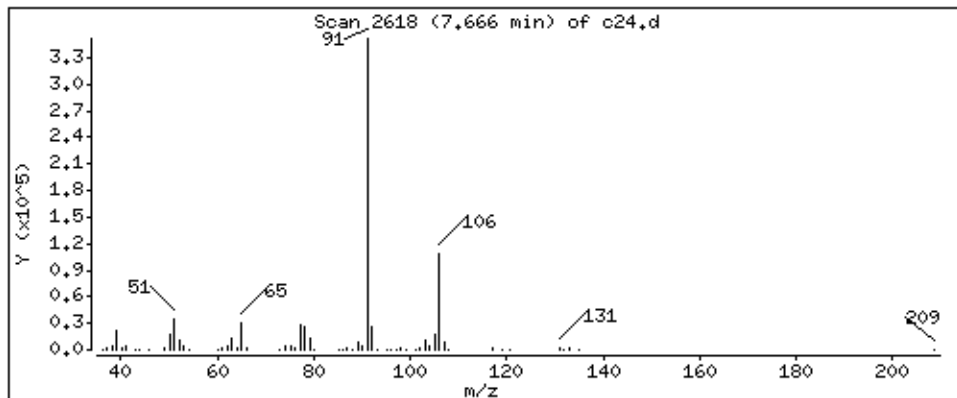
Operator: amv

Column phase: DB-624

Column diameter: 0,18

70 Ethylbenzene

Concentration: 46,4 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

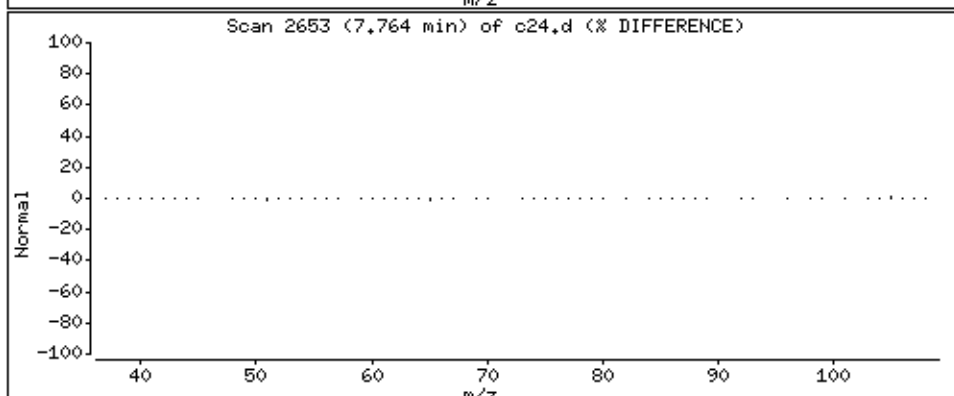
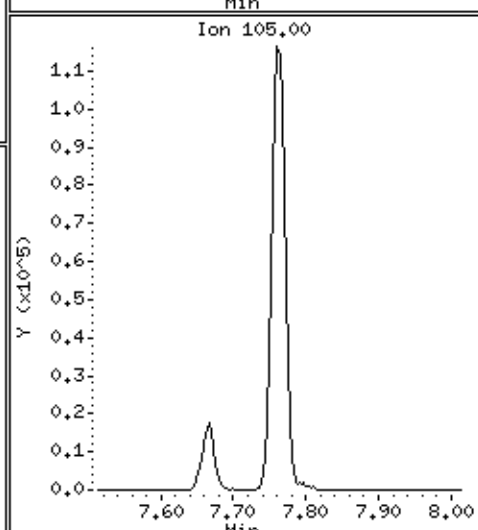
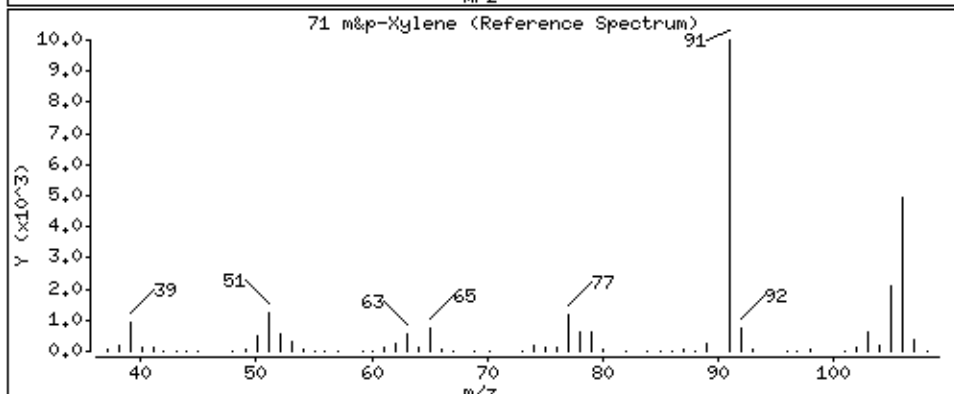
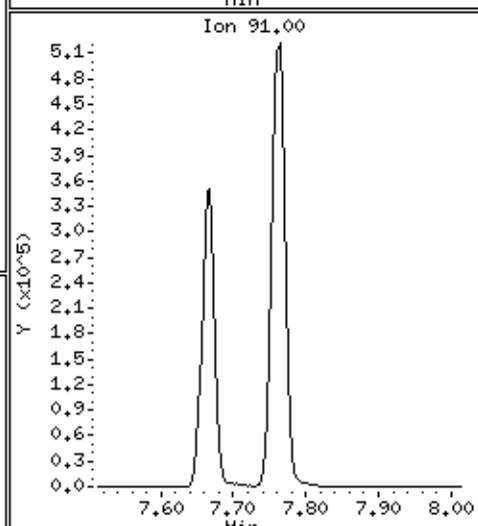
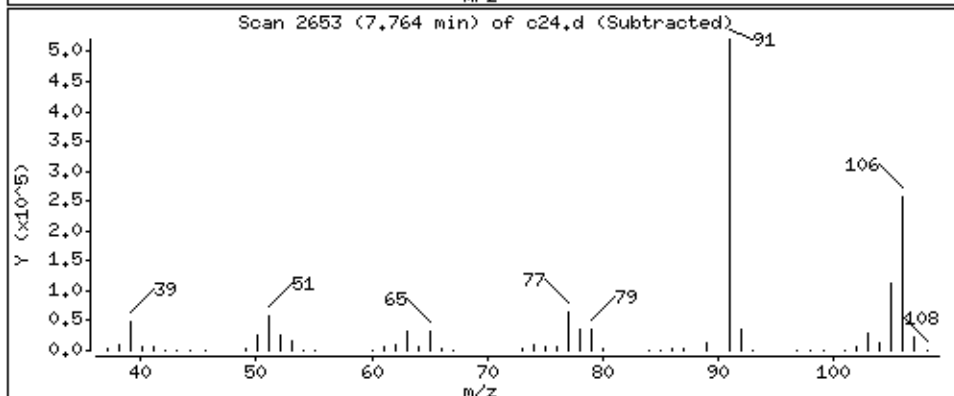
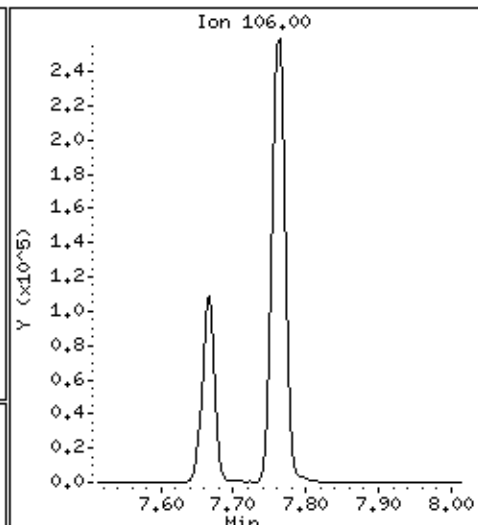
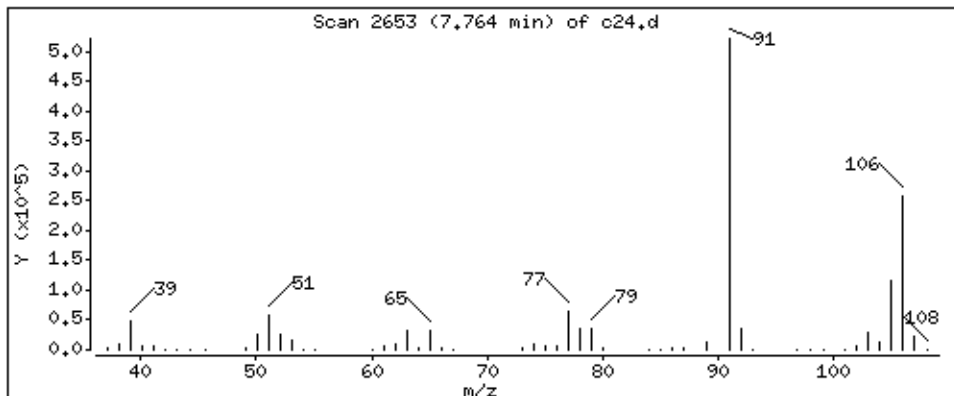
Operator: amv

Column phase: DB-624

Column diameter: 0,18

71 m&p-Xylene

Concentration: 89,1 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

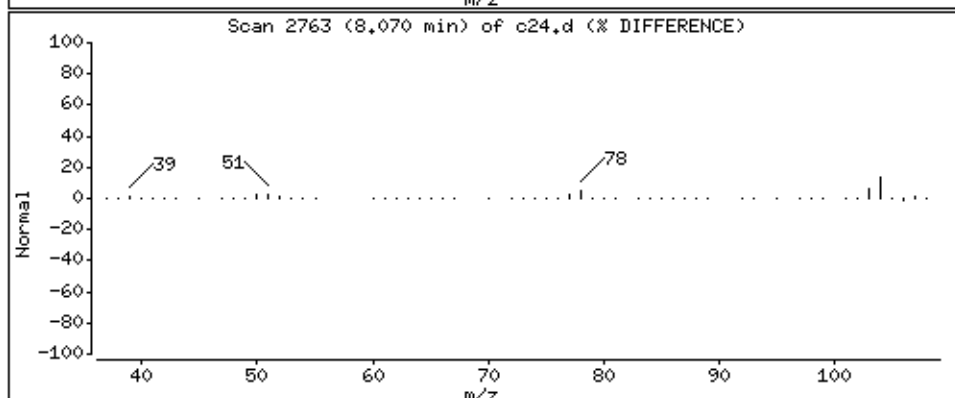
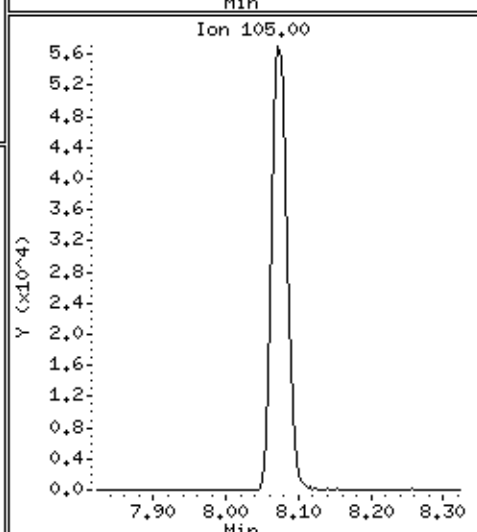
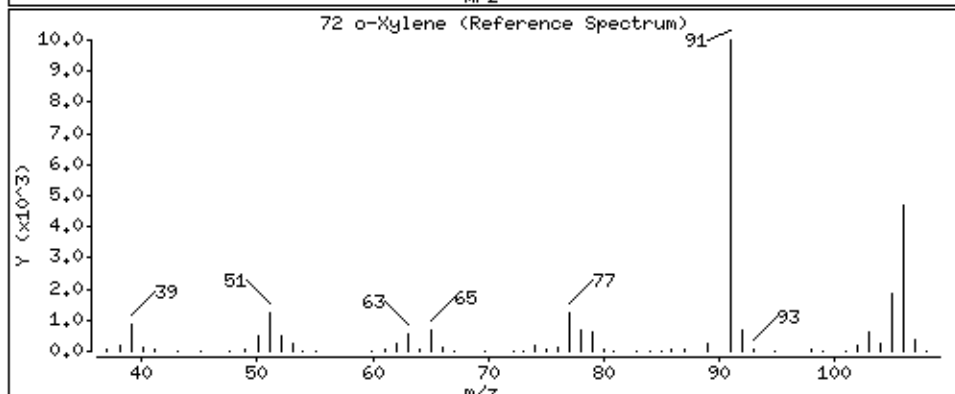
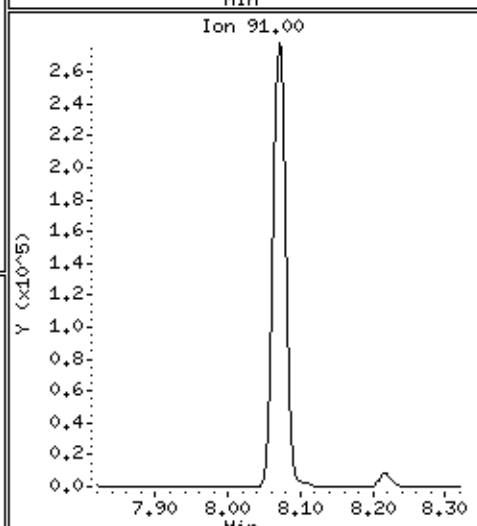
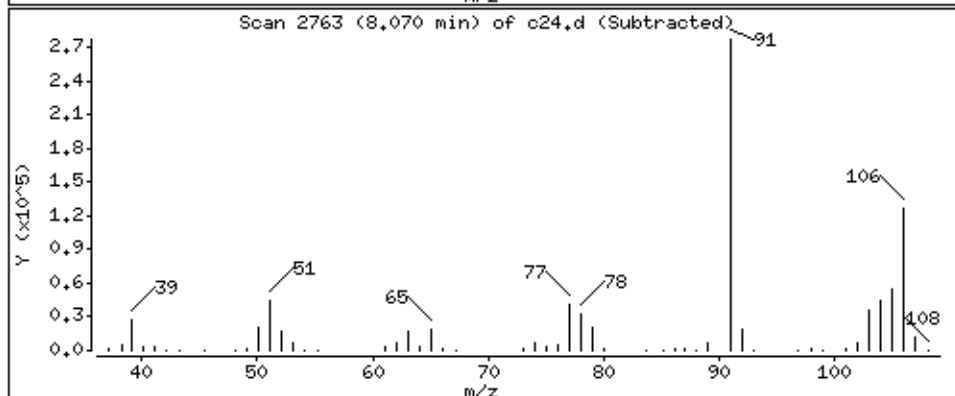
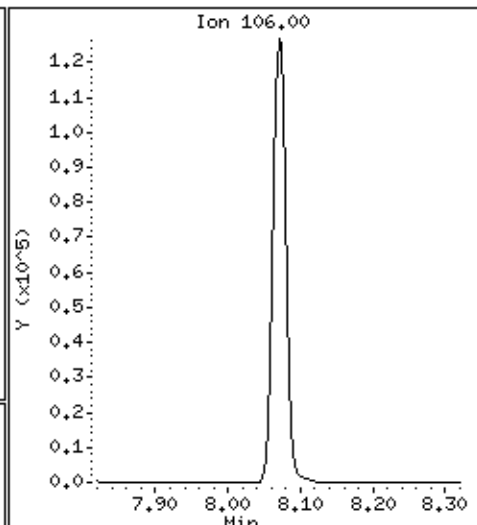
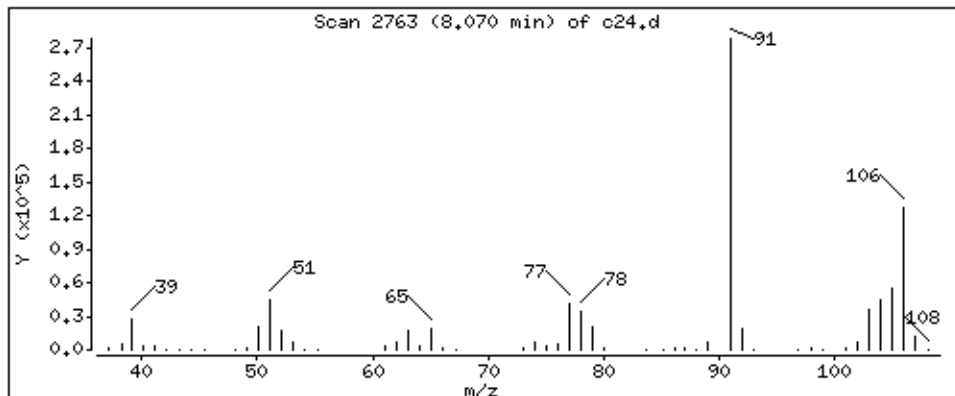
Operator: amv

Column phase: DB-624

Column diameter: 0,18

72 o-Xylene

Concentration: 46,5 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

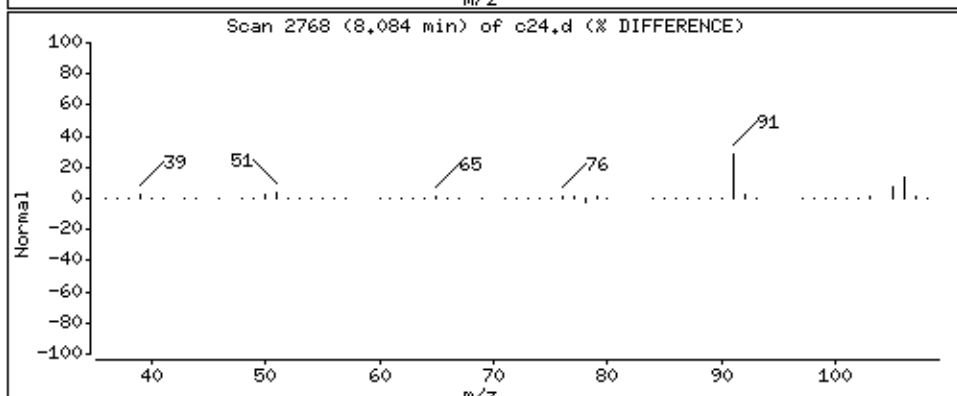
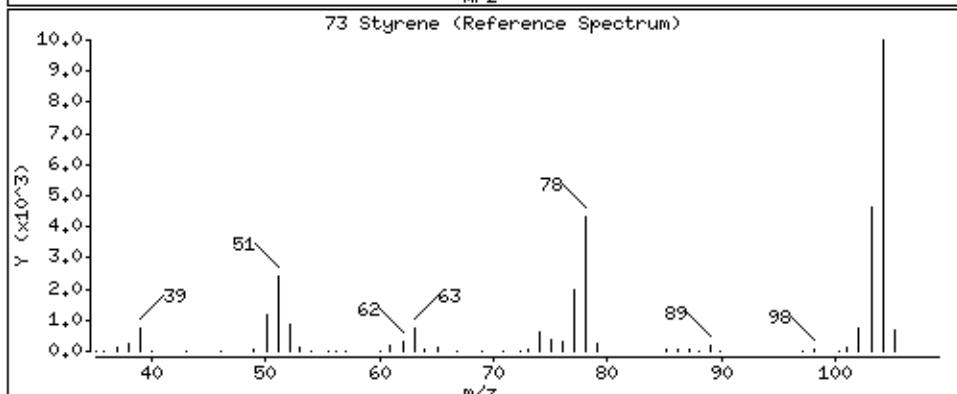
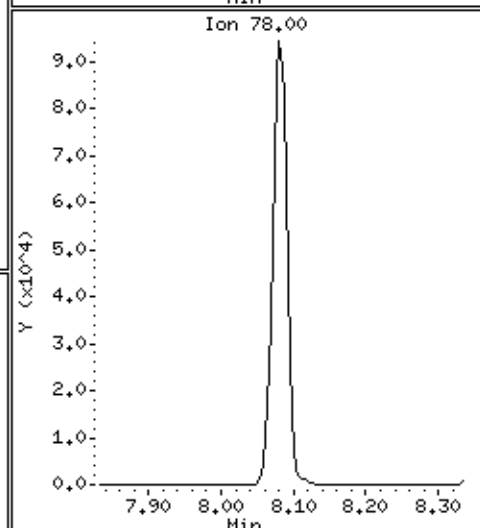
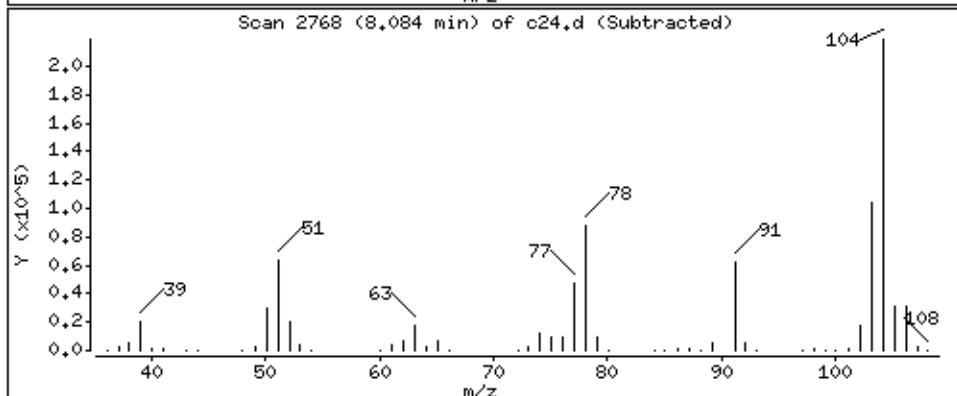
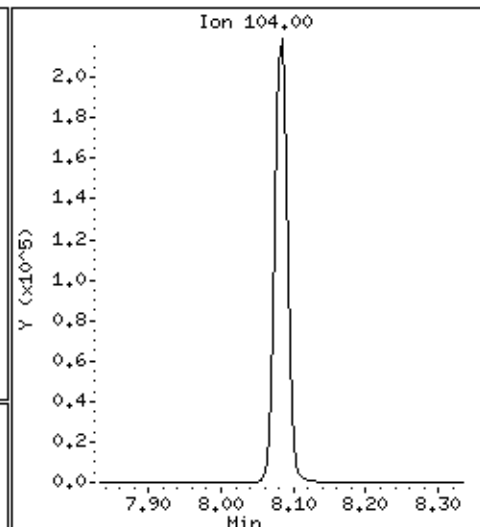
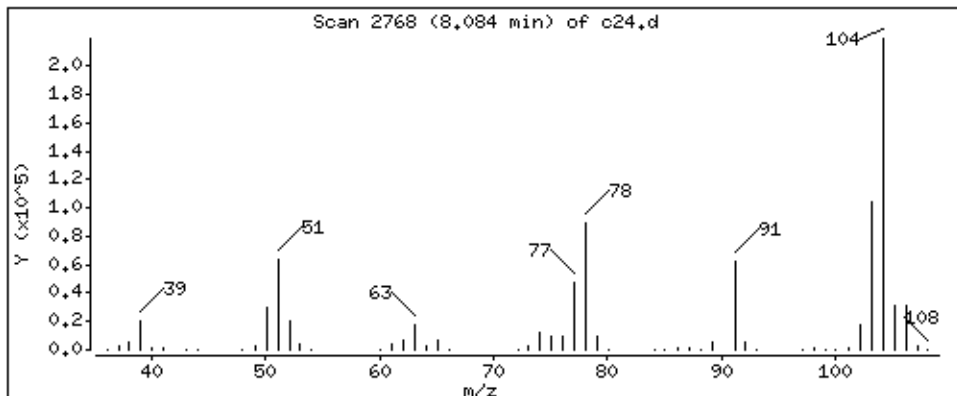
Operator: amv

Column phase: DB-624

Column diameter: 0,18

73 Styrene

Concentration: 46,4 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

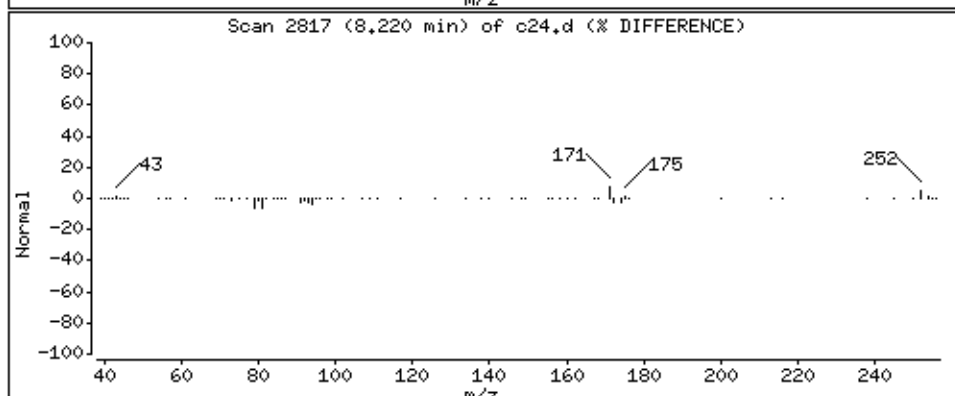
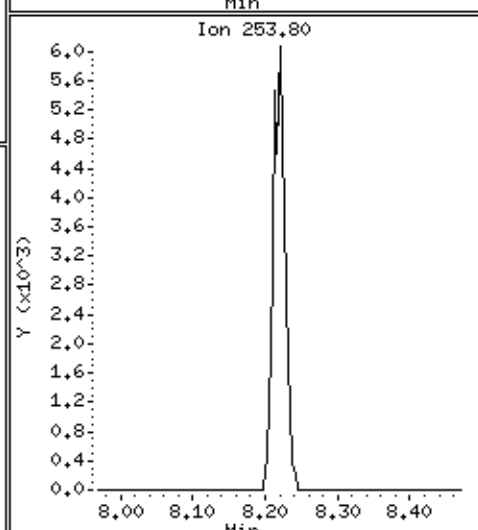
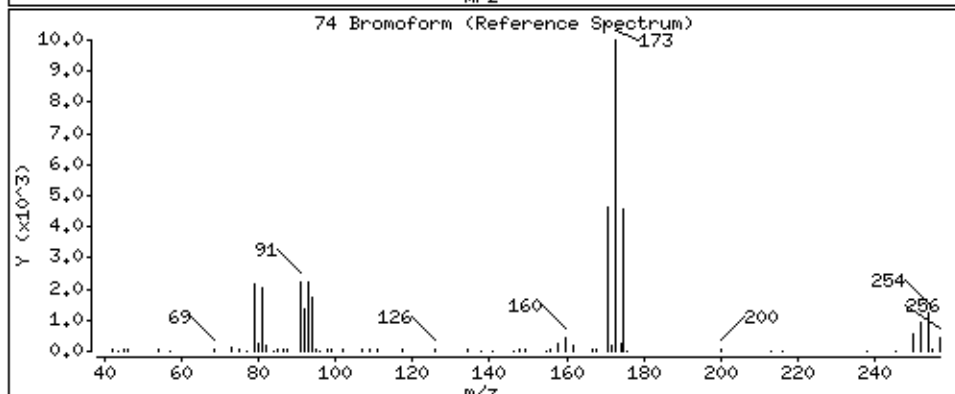
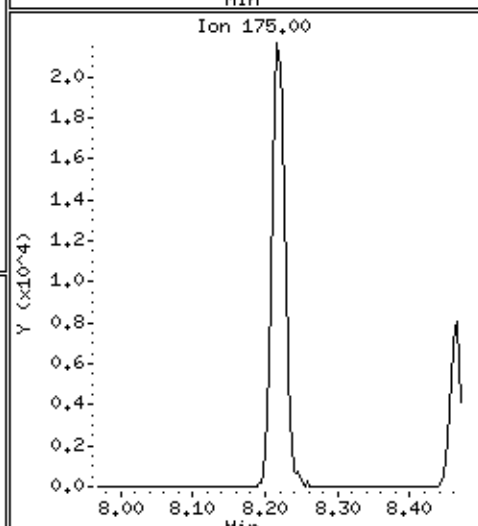
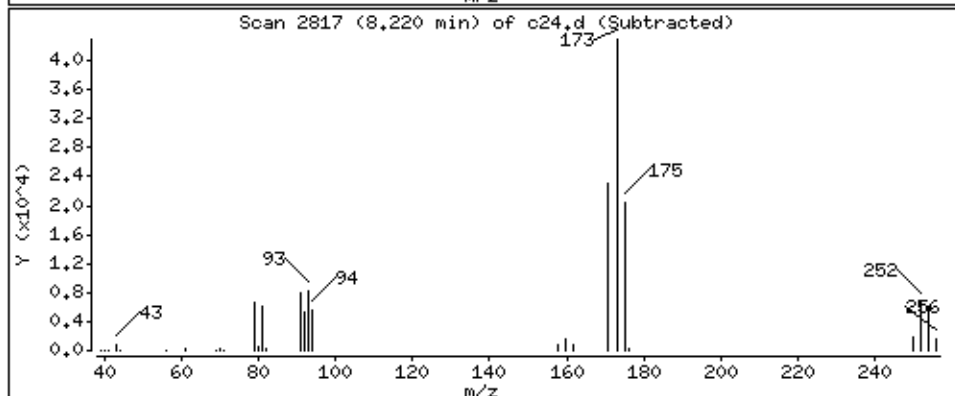
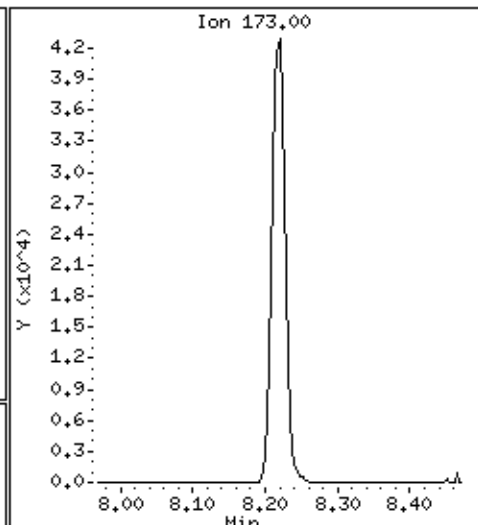
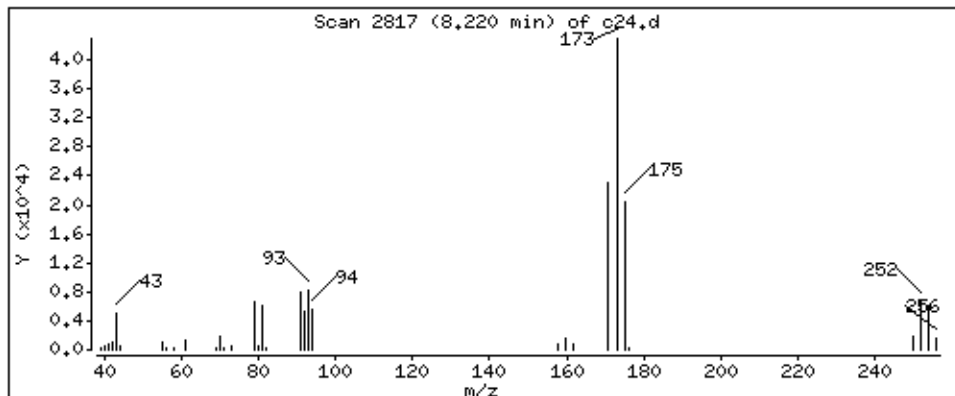
Operator: amv

Column phase: DB-624

Column diameter: 0,18

74 Bromoform

Concentration: 39,0 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mw2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

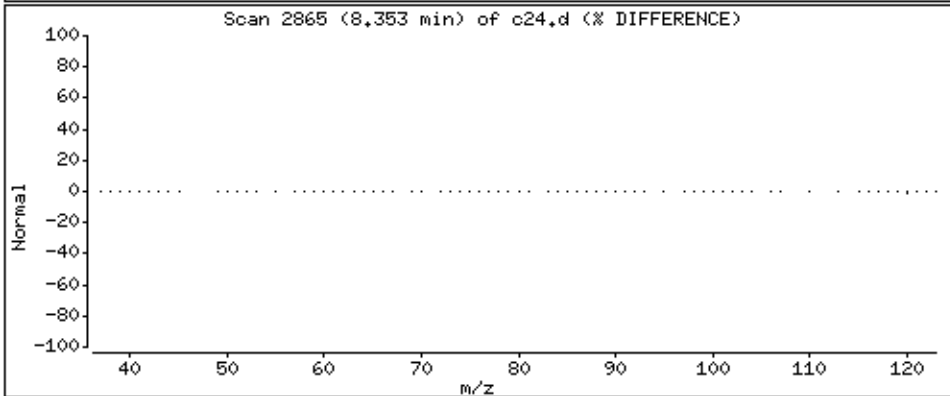
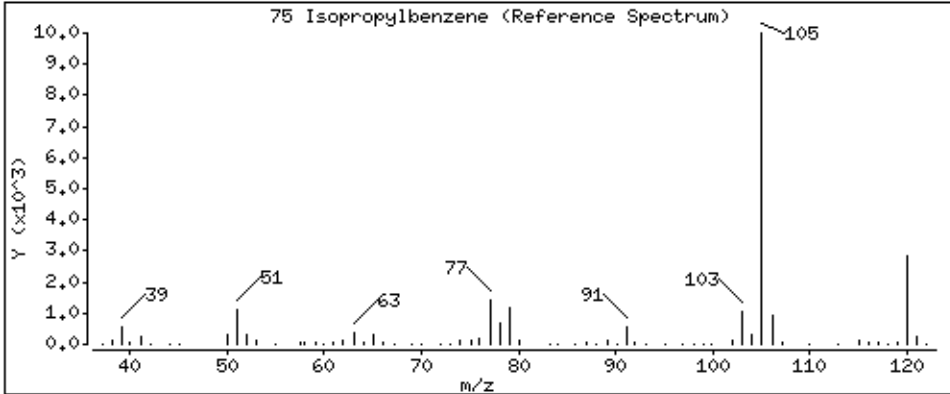
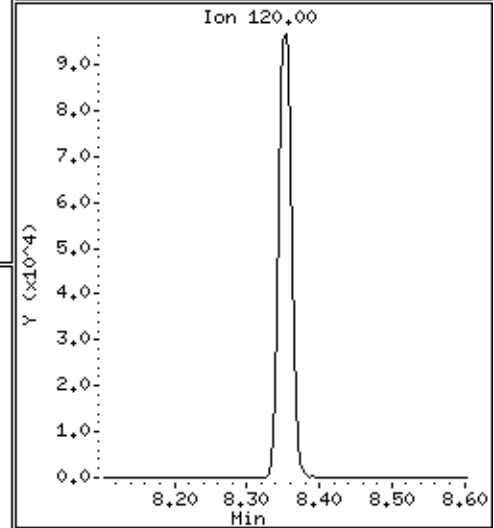
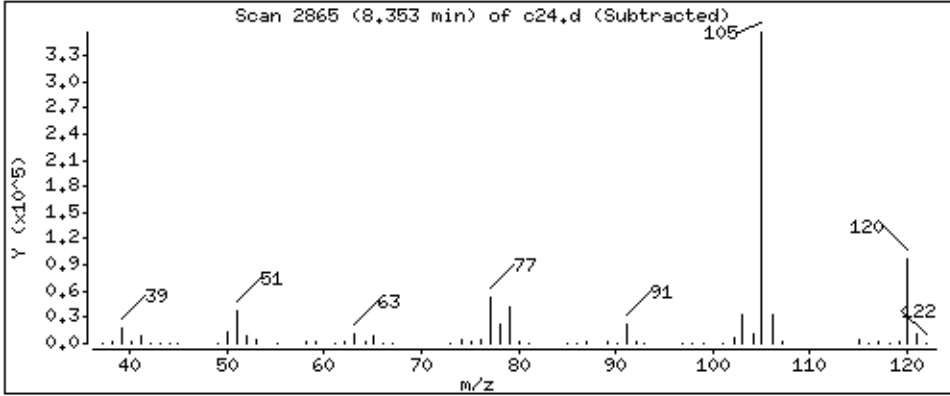
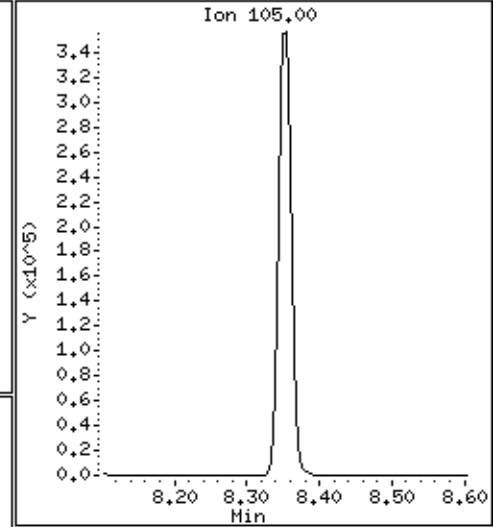
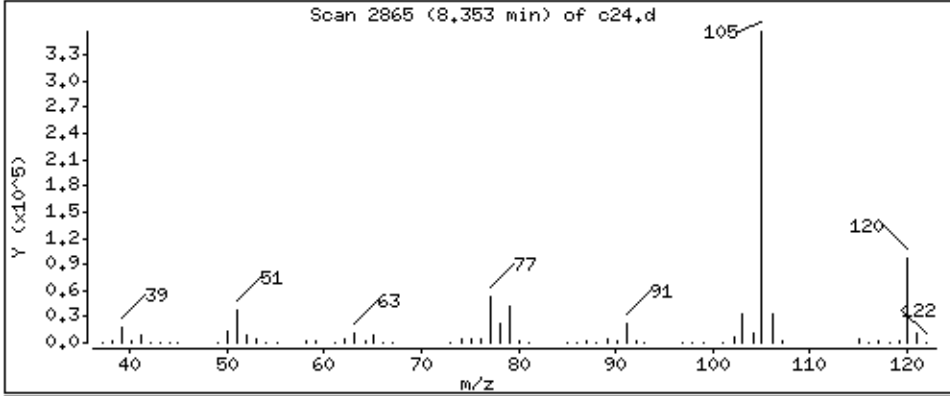
Operator: amv

Column phase: DB-624

Column diameter: 0.18

75 Isopropylbenzene

Concentration: 44.7 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

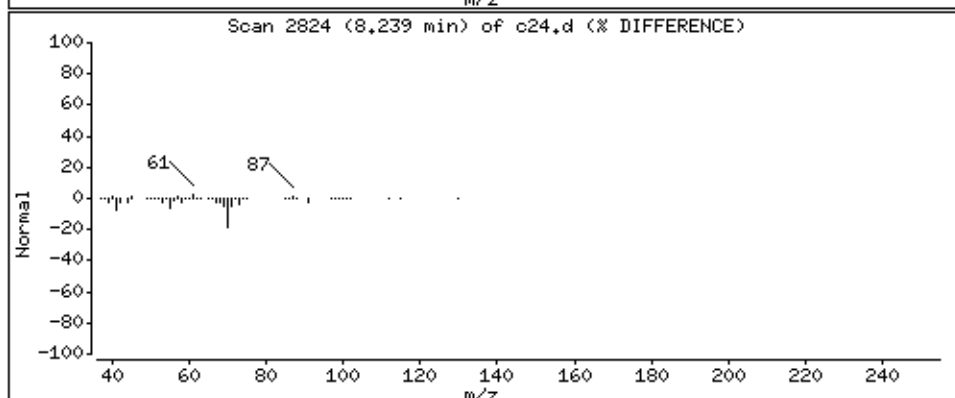
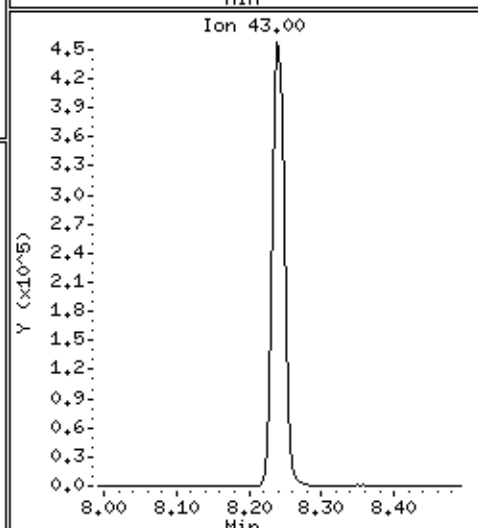
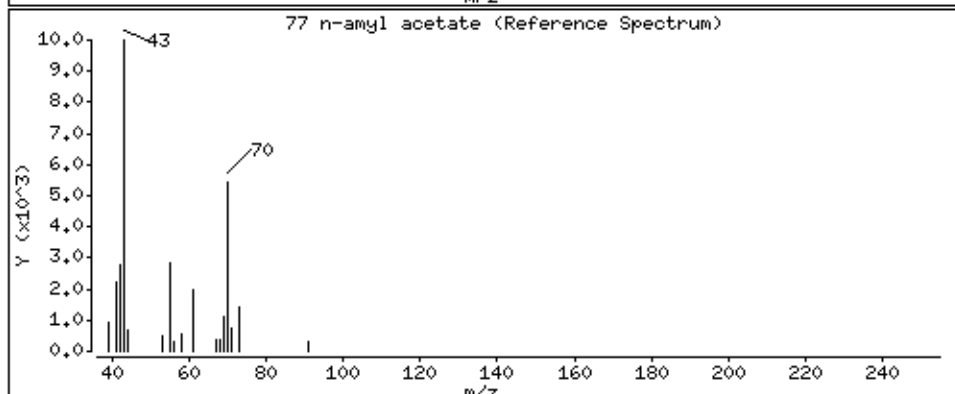
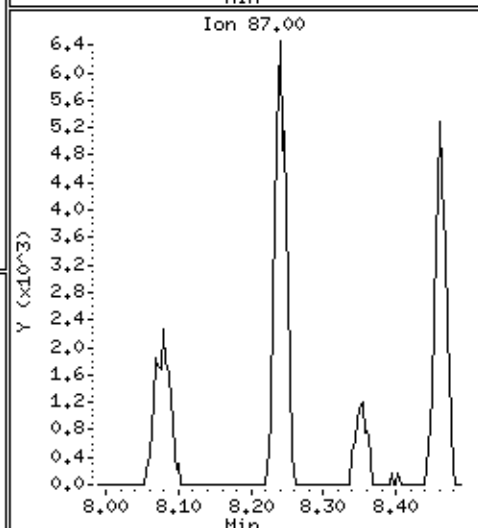
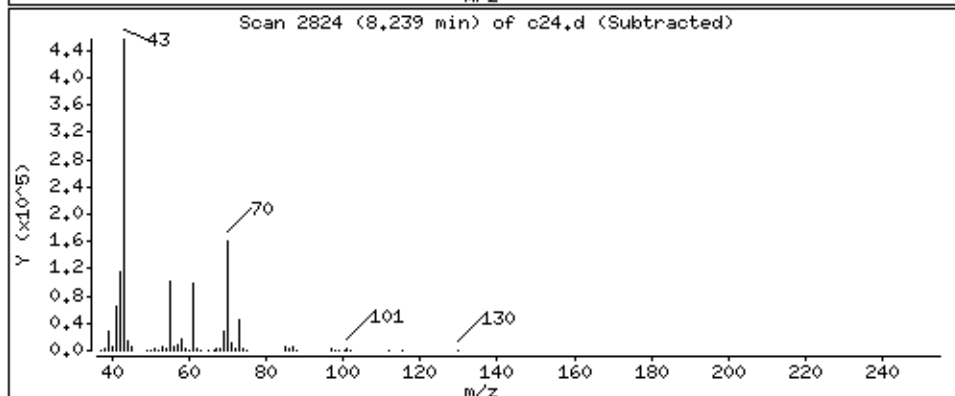
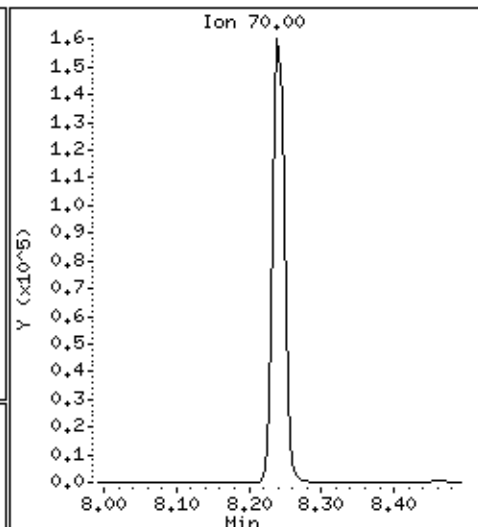
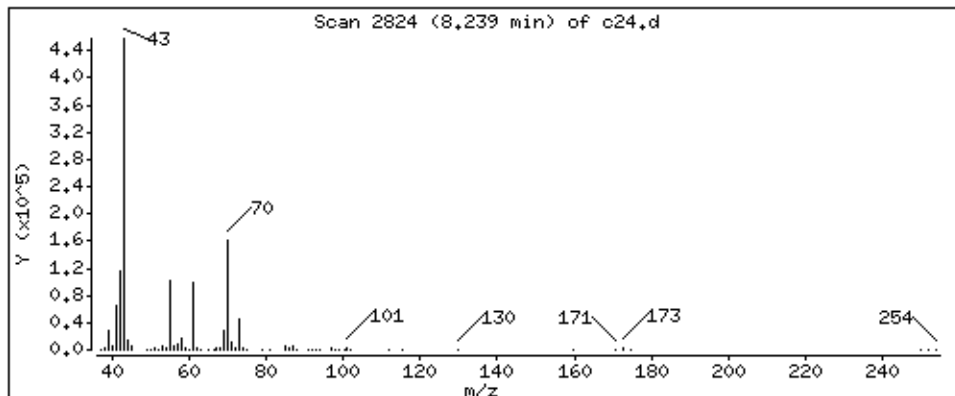
Operator: amv

Column phase: DB-624

Column diameter: 0,18

77 n-nyl acetate

Concentration: 131 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mw2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

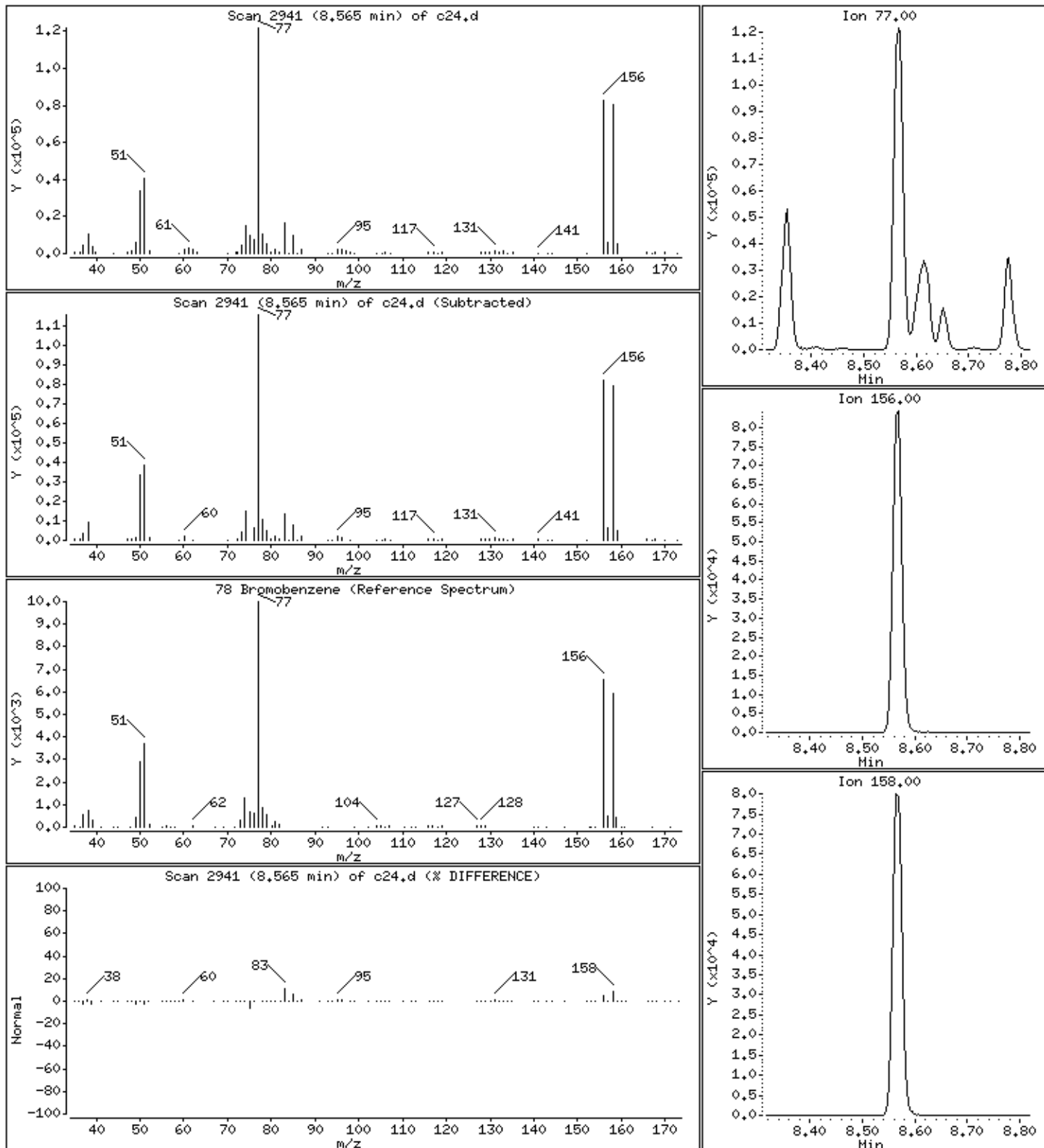
Operator: amv

Column phase: DB-624

Column diameter: 0,18

78 Bromobenzene

Concentration: 44.4 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

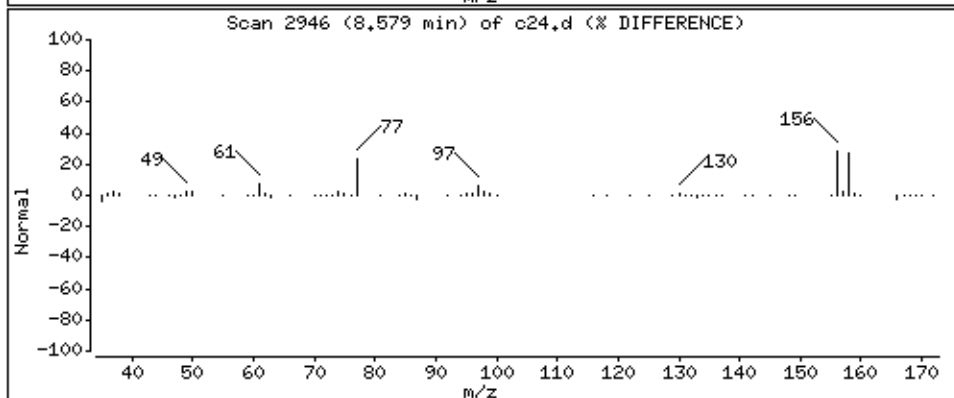
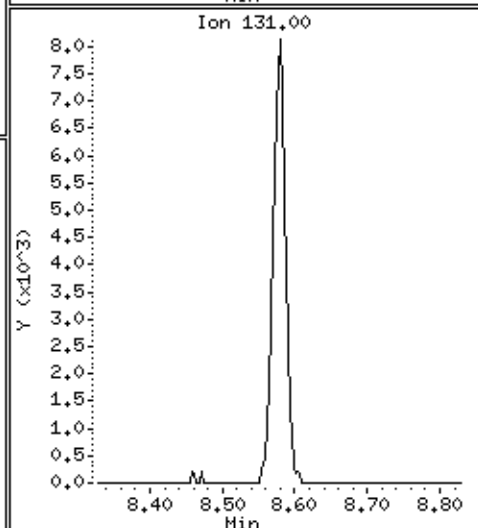
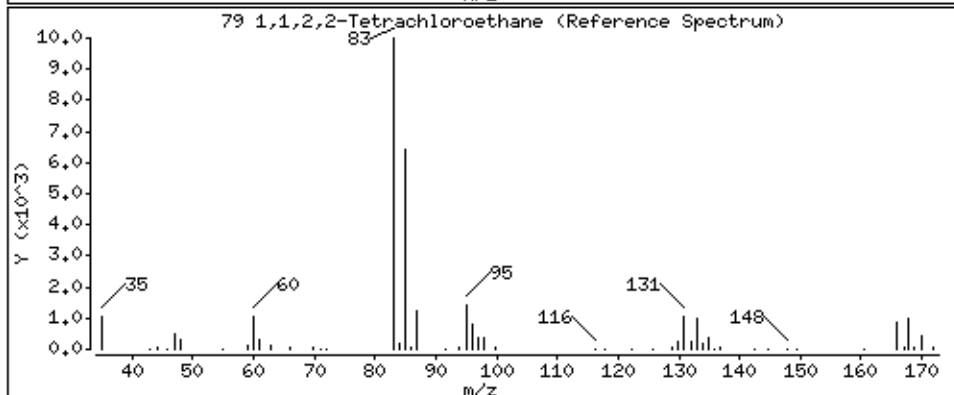
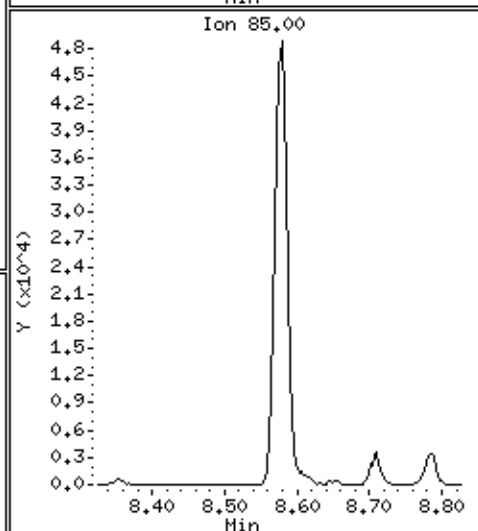
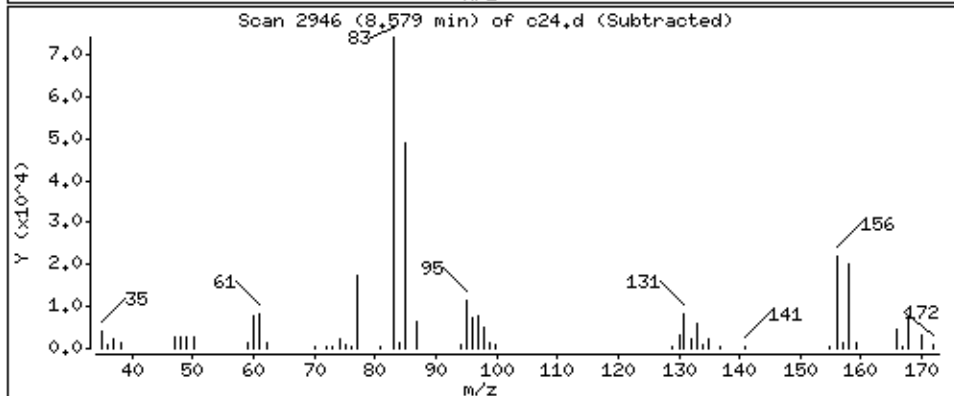
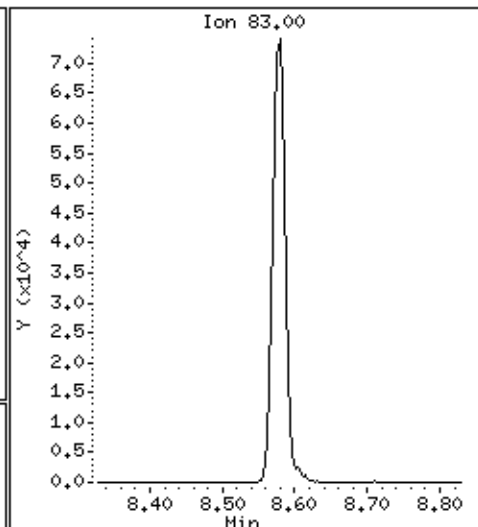
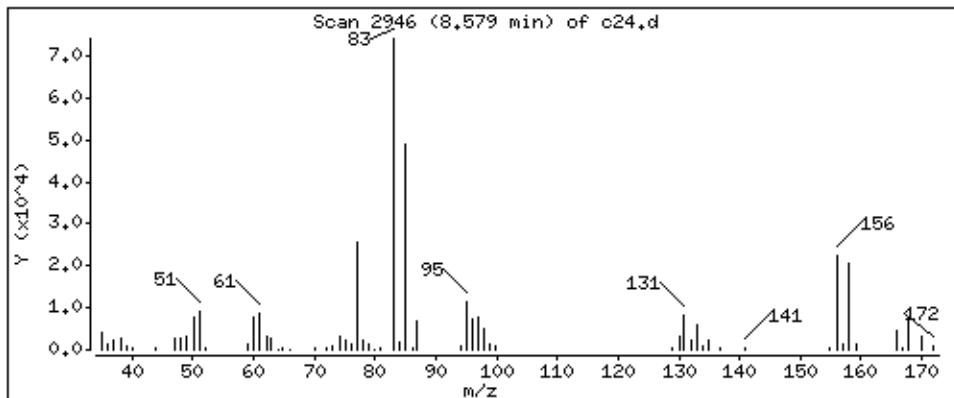
Operator: amv

Column phase: DB-624

Column diameter: 0,18

79 1,1,2,2-Tetrachloroethane

Concentration: 40,0 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

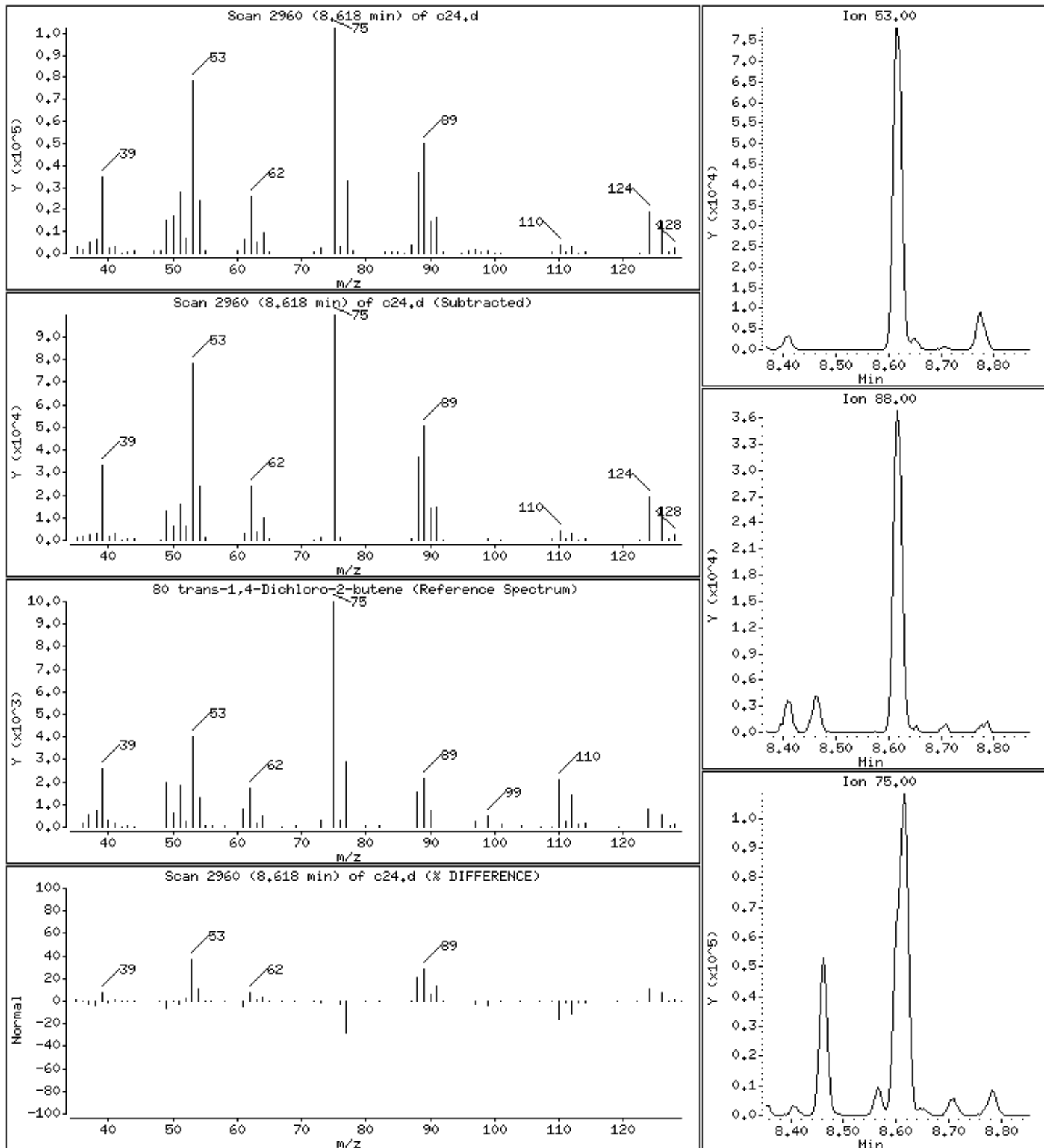
Operator: amv

Column phase: DB-624

Column diameter: 0,18

80 trans-1,4-Dichloro-2-butene

Concentration: 118 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

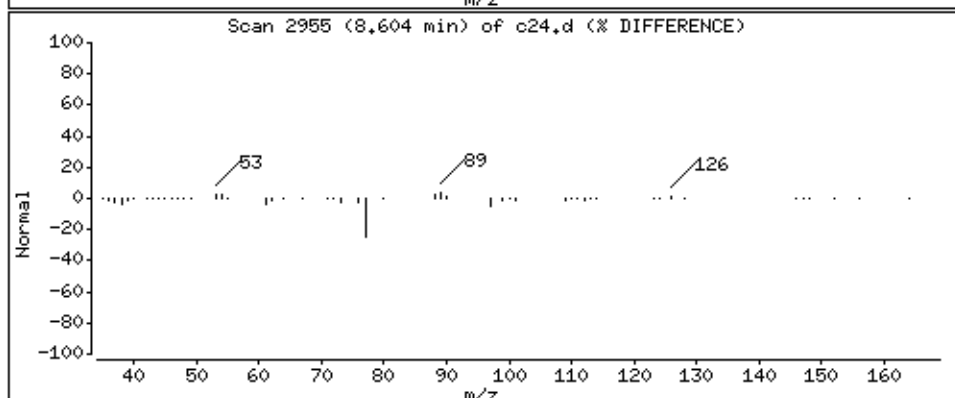
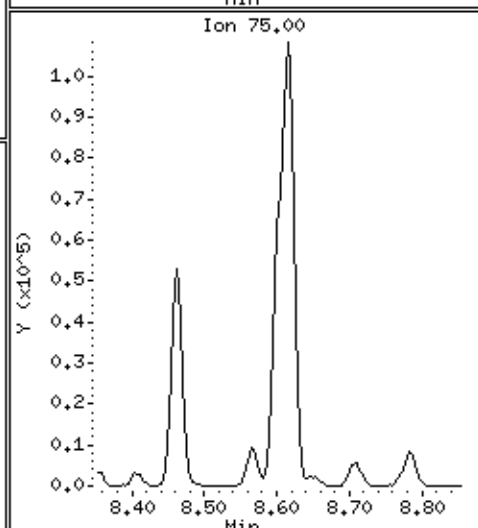
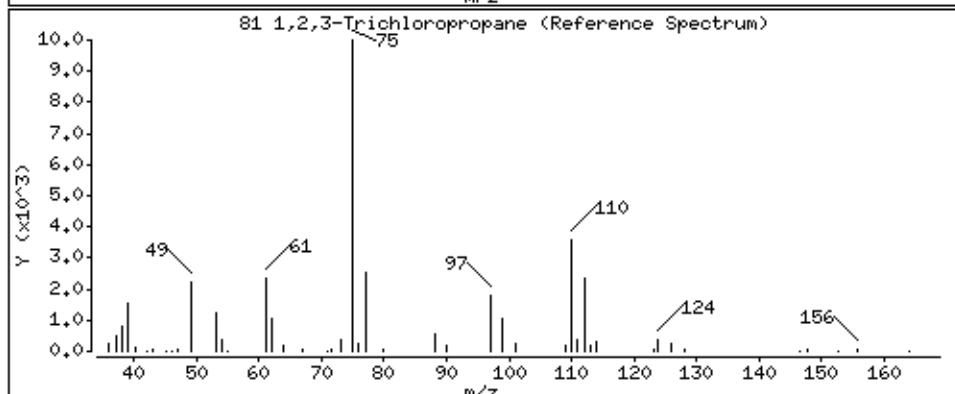
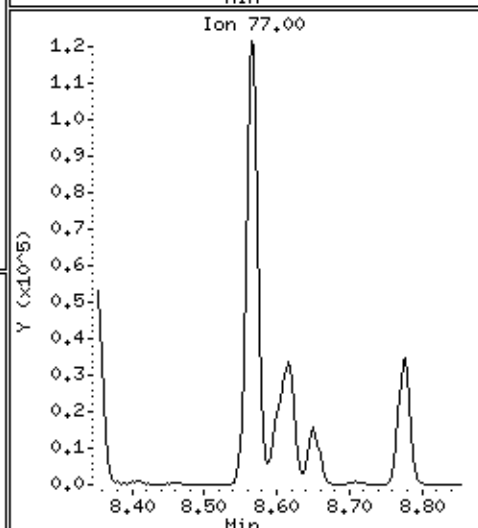
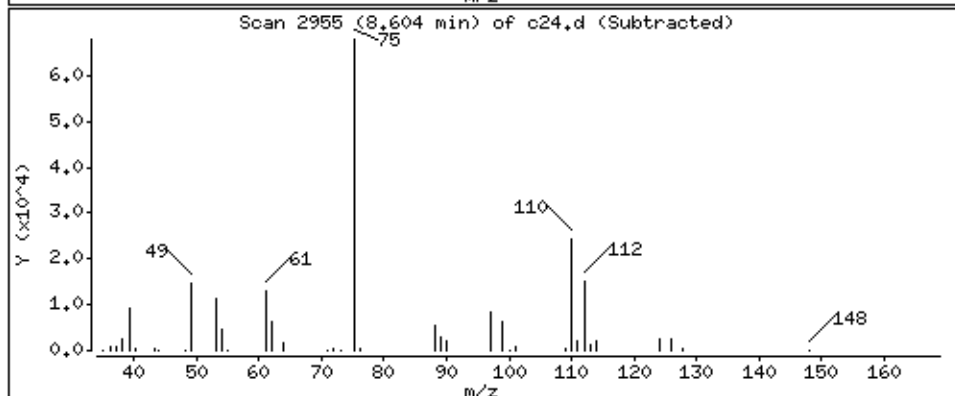
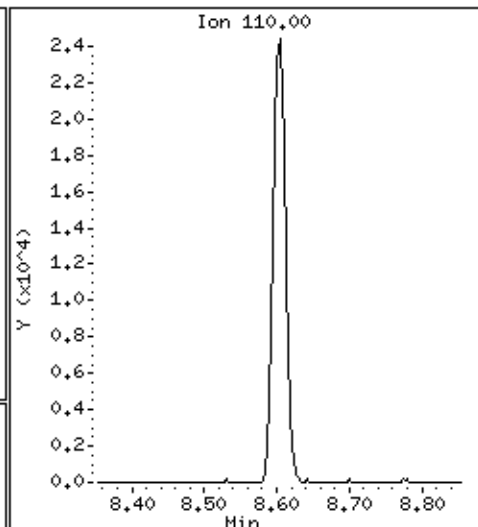
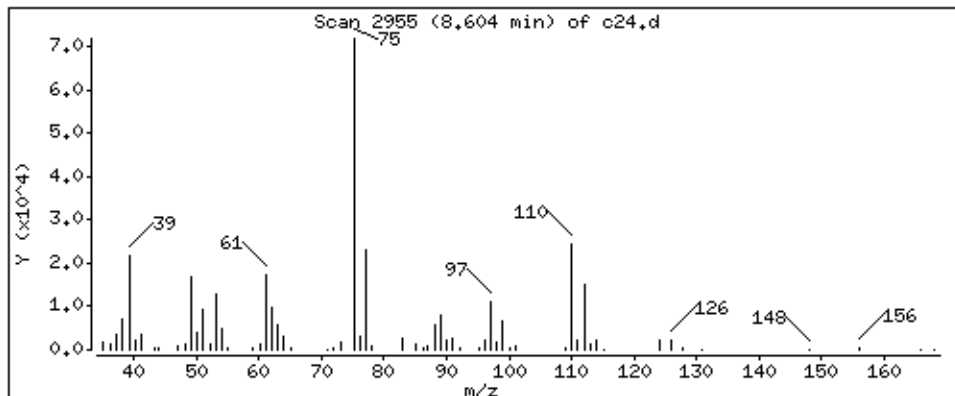
Operator: amv

Column phase: DB-624

Column diameter: 0,18

81 1,2,3-Trichloropropane

Concentration: 41.6 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

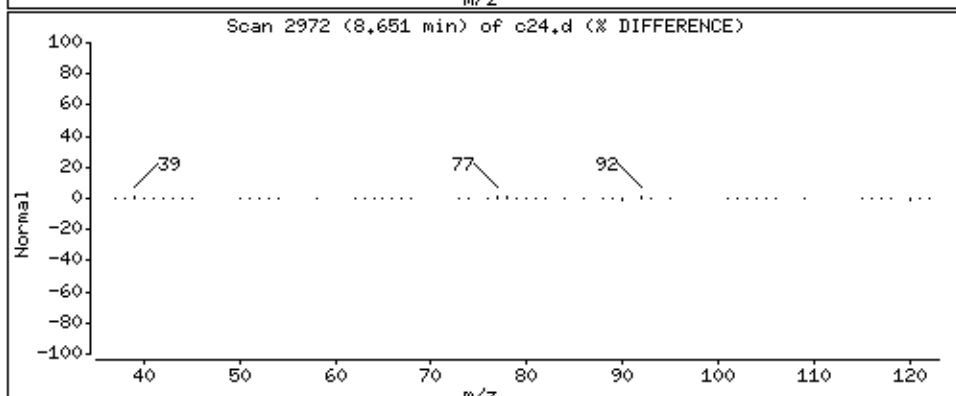
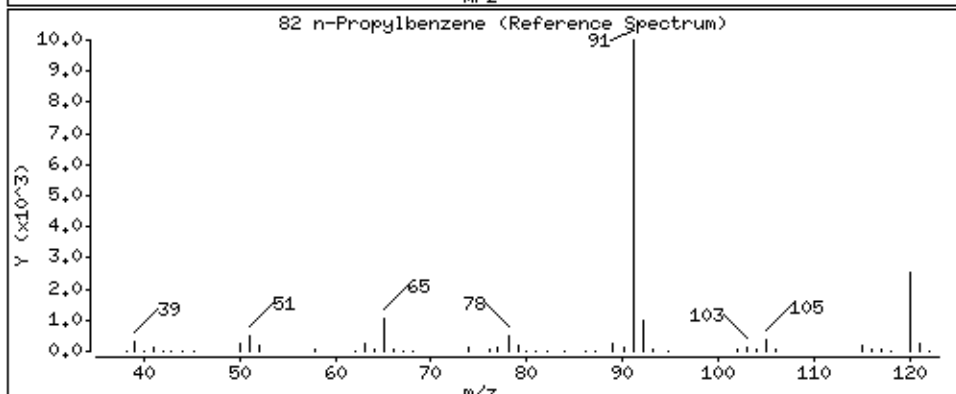
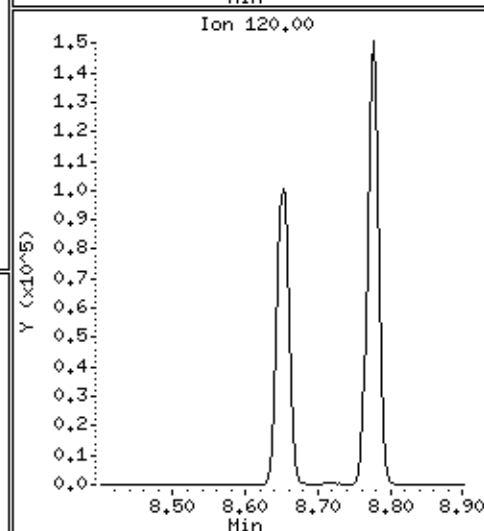
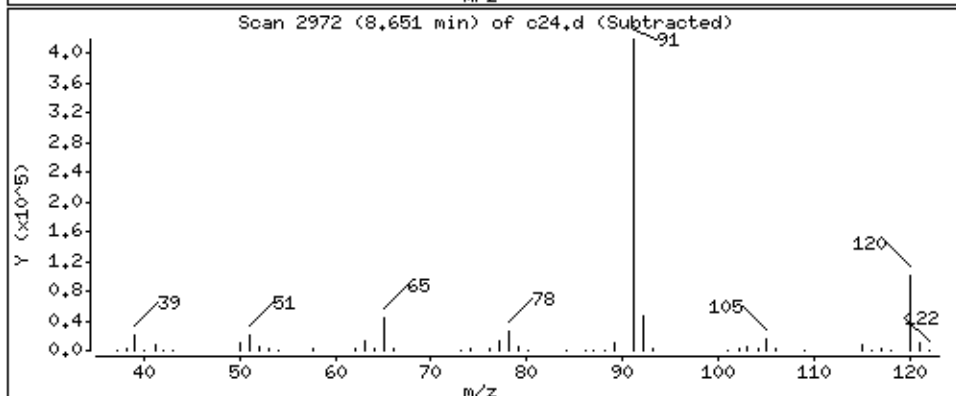
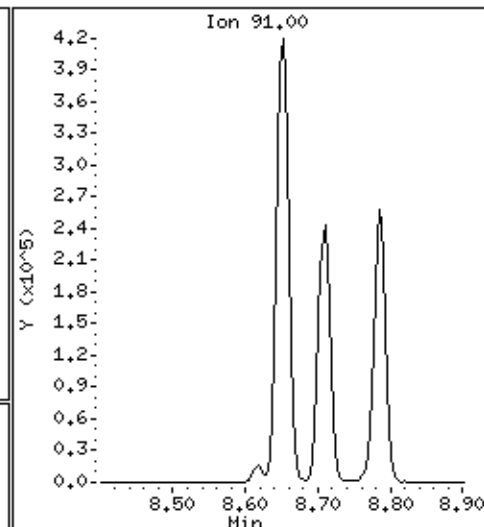
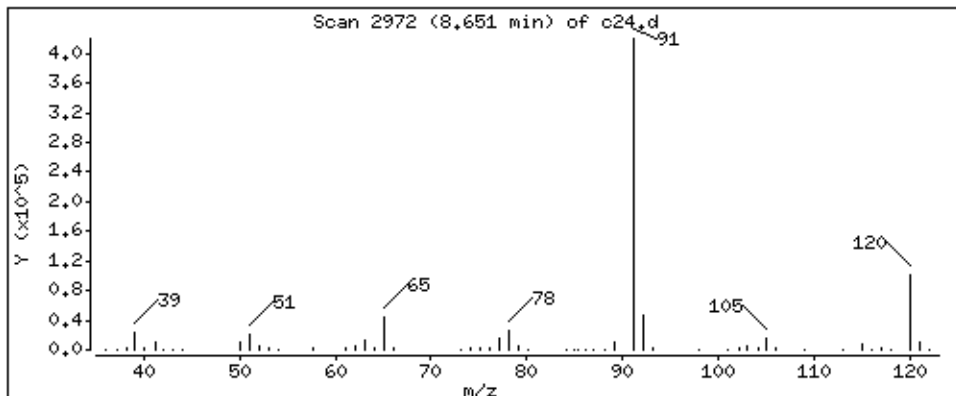
Operator: amv

Column phase: DB-624

Column diameter: 0,18

82 n-Propylbenzene

Concentration: 45,4 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

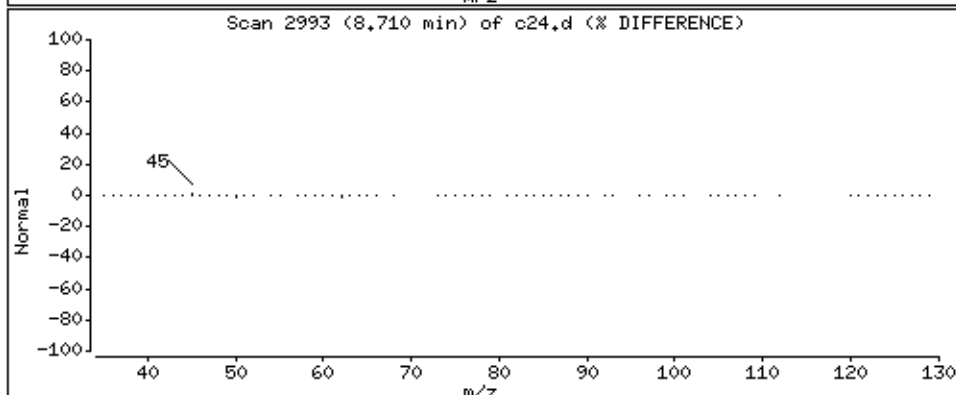
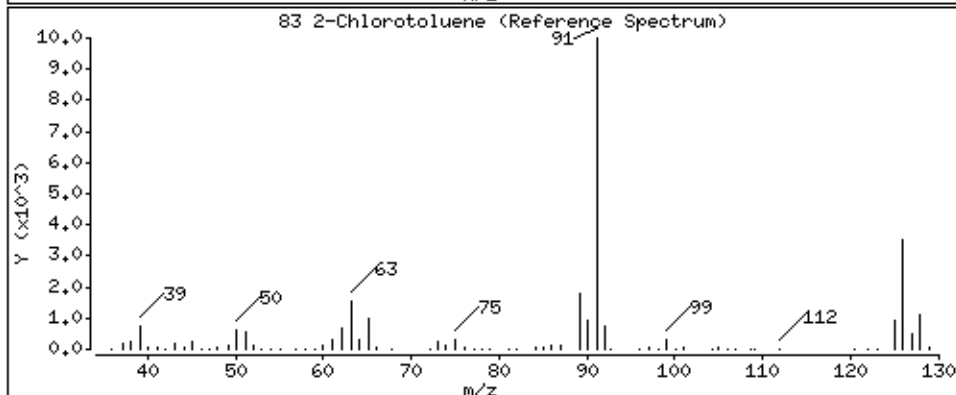
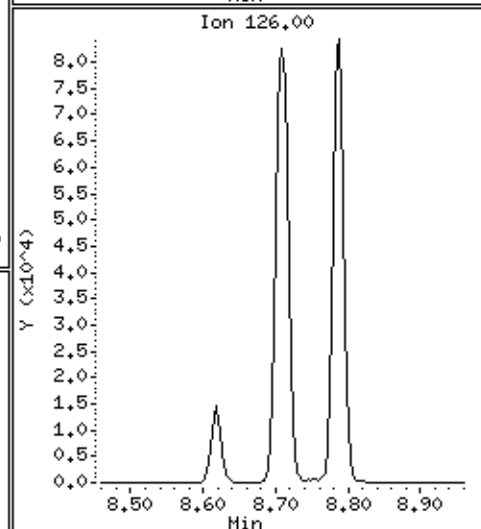
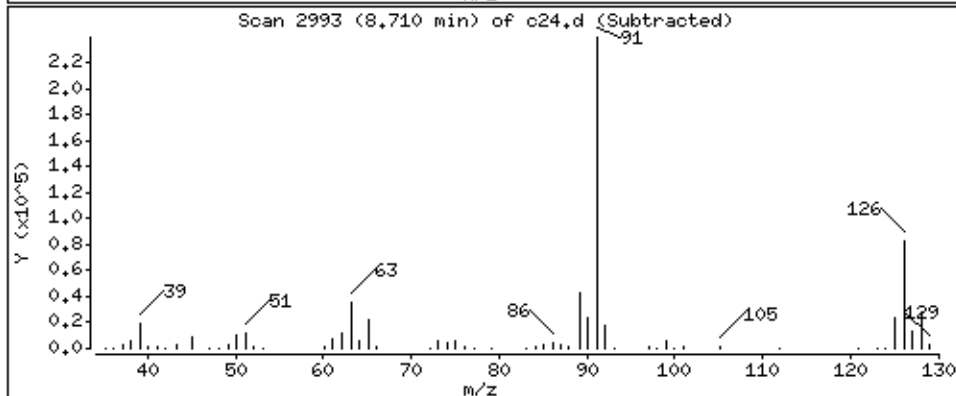
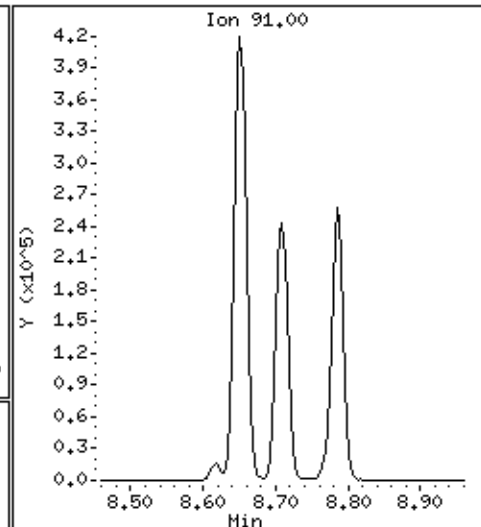
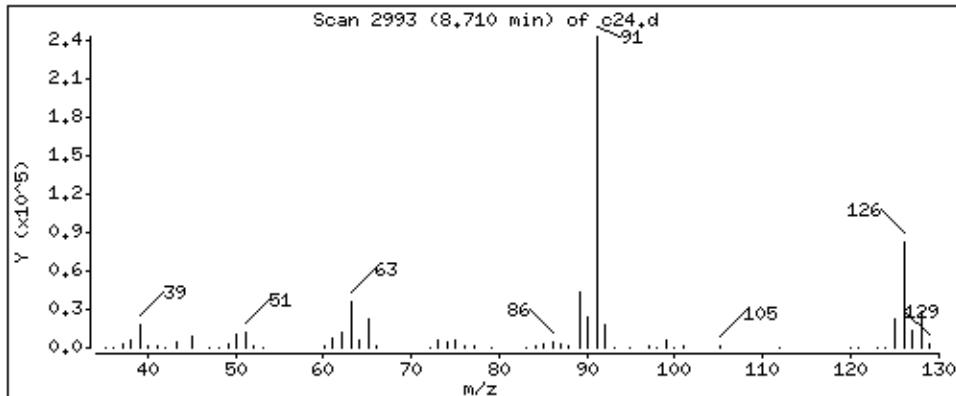
Operator: amv

Column phase: DB-624

Column diameter: 0,18

83 2-Chlorotoluene

Concentration: 47,1 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

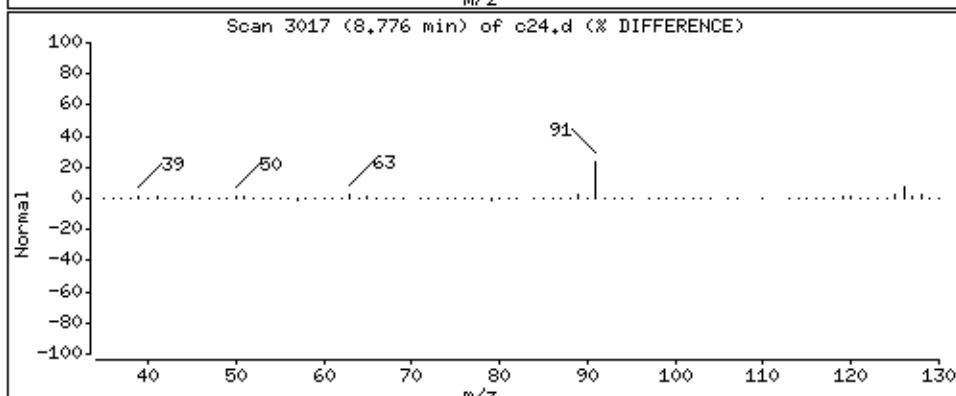
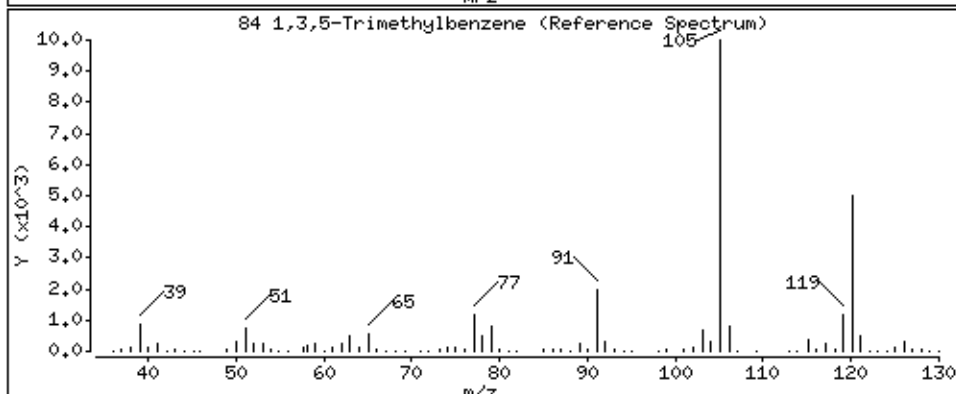
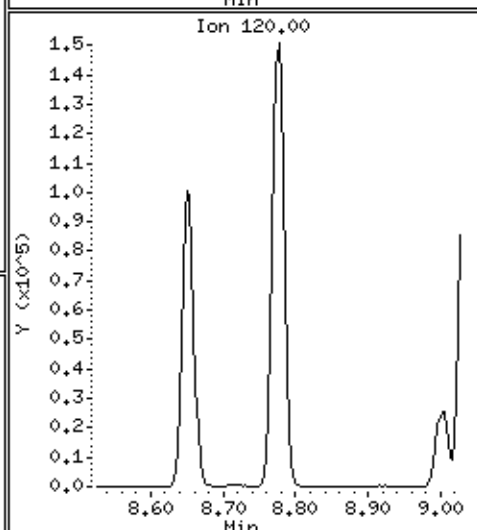
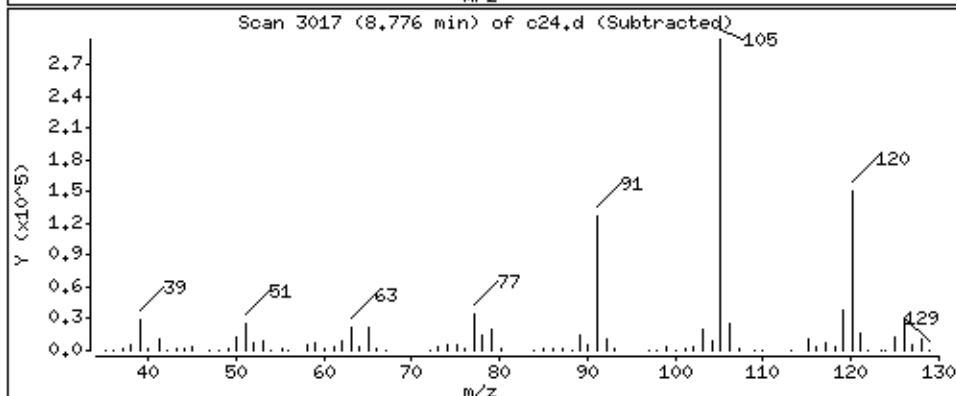
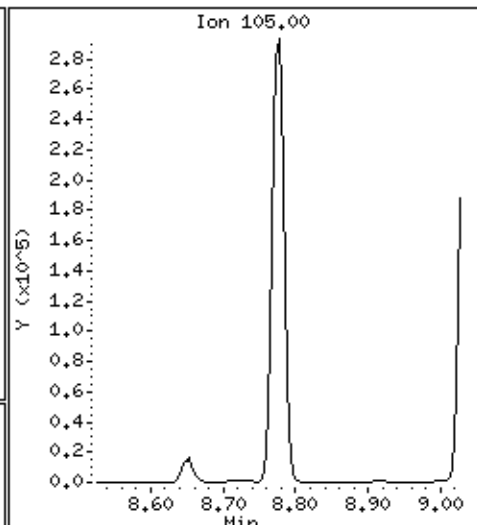
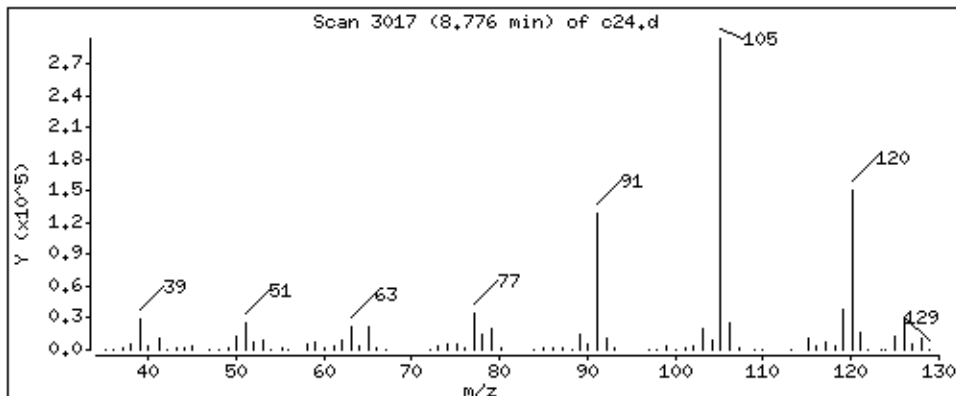
Operator: amv

Column phase: DB-624

Column diameter: 0.18

84 1,3,5-Trimethylbenzene

Concentration: 43.3 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

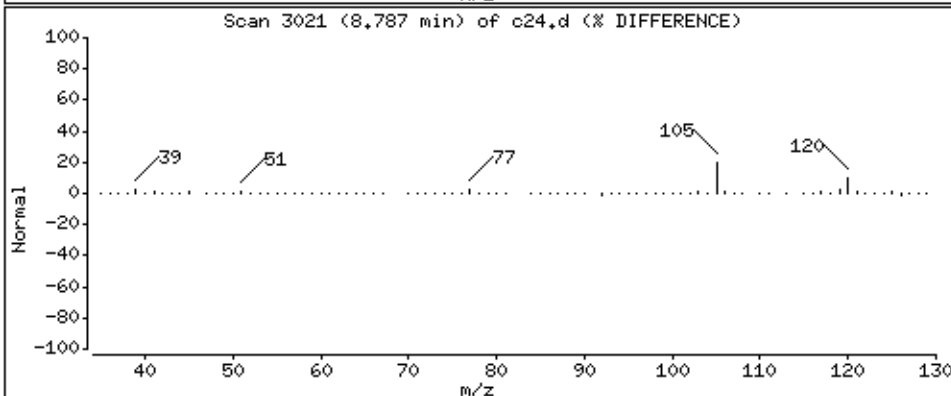
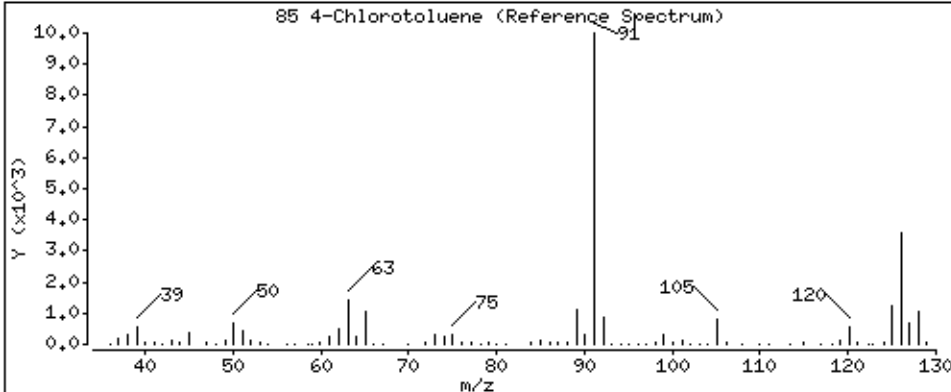
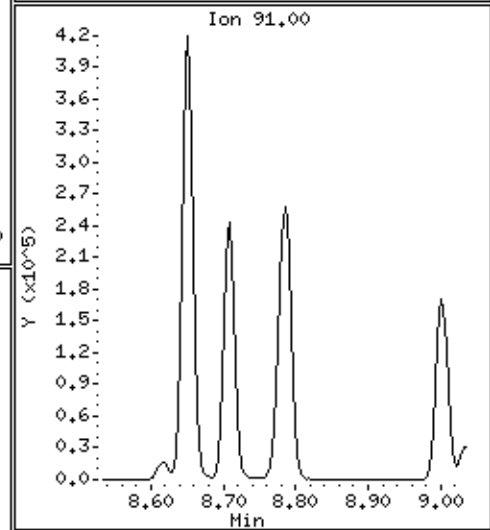
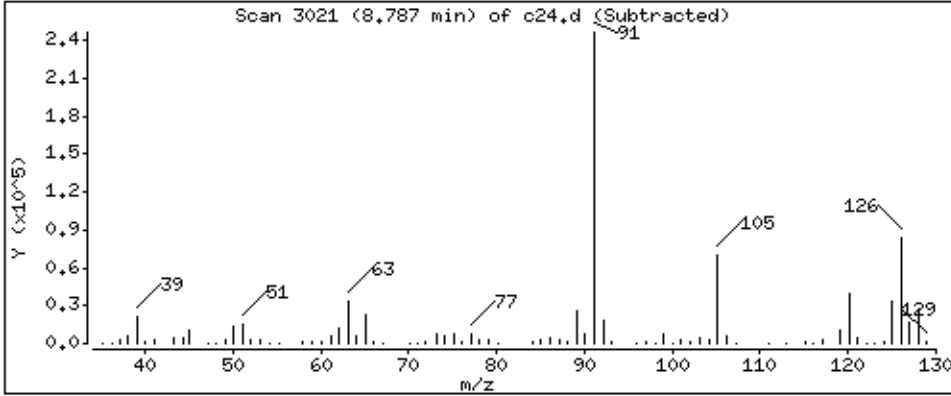
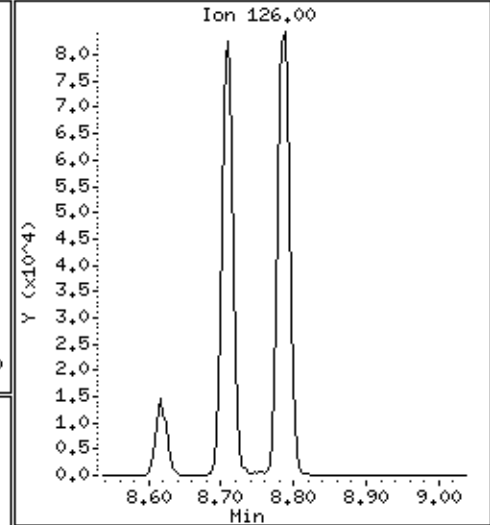
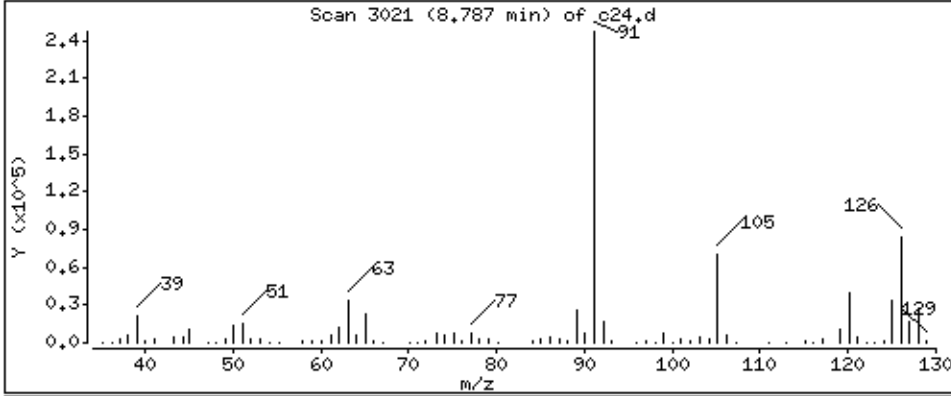
Operator: amv

Column phase: DB-624

Column diameter: 0,18

85 4-Chlorotoluene

Concentration: 46,2 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

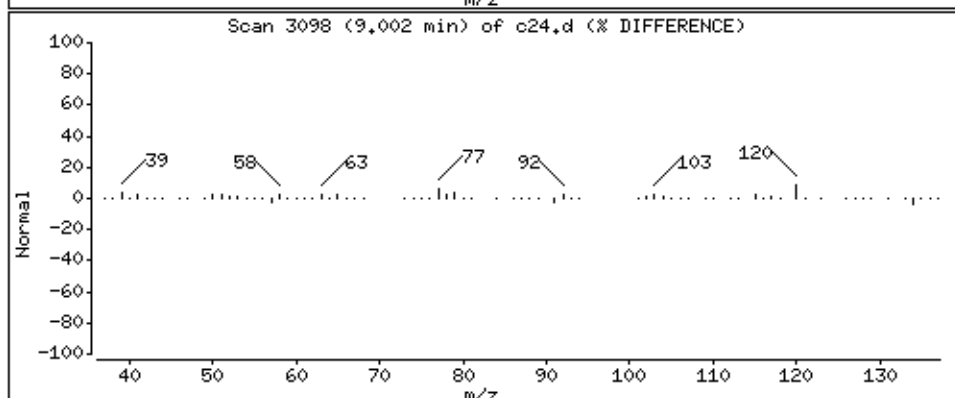
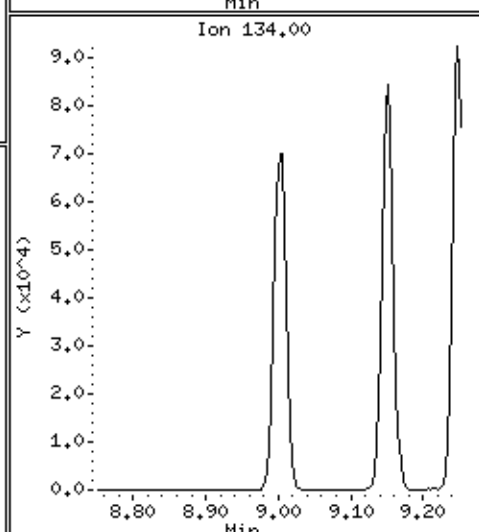
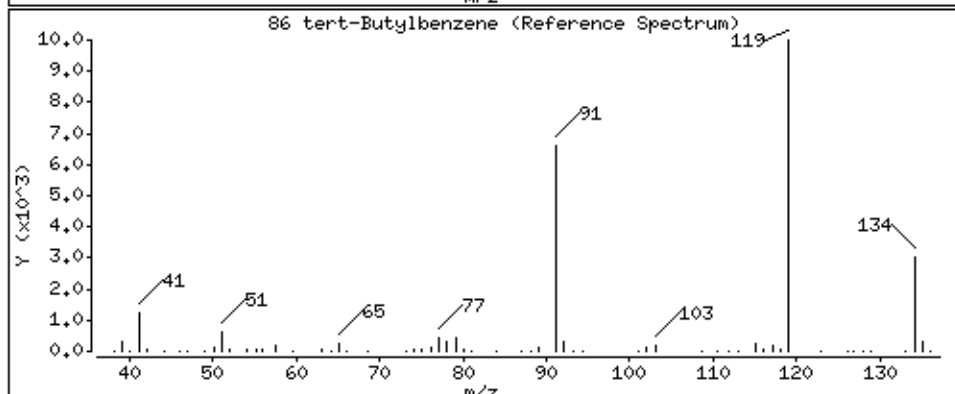
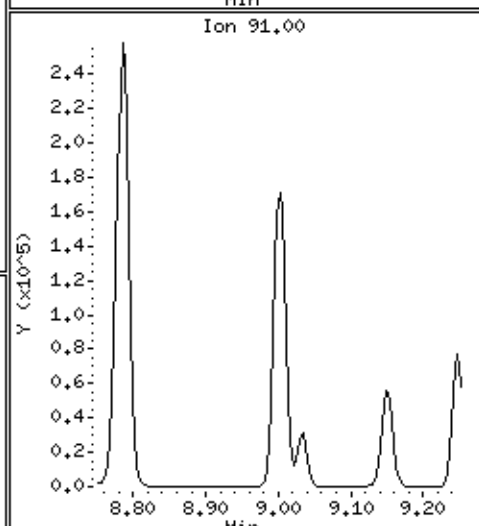
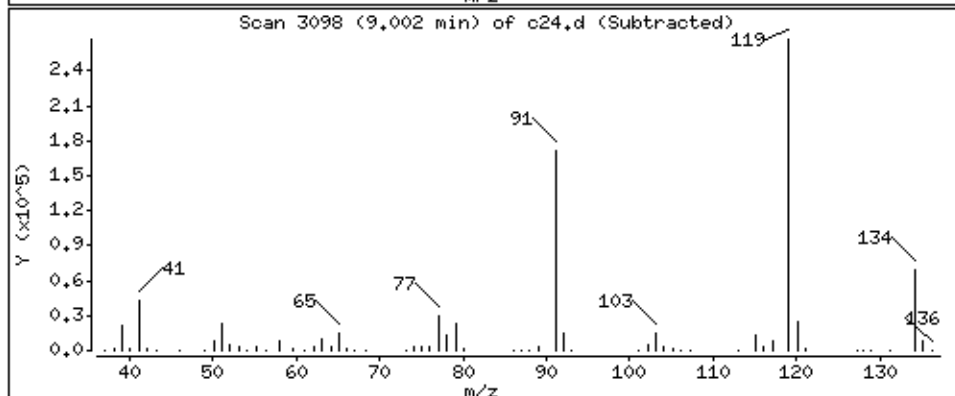
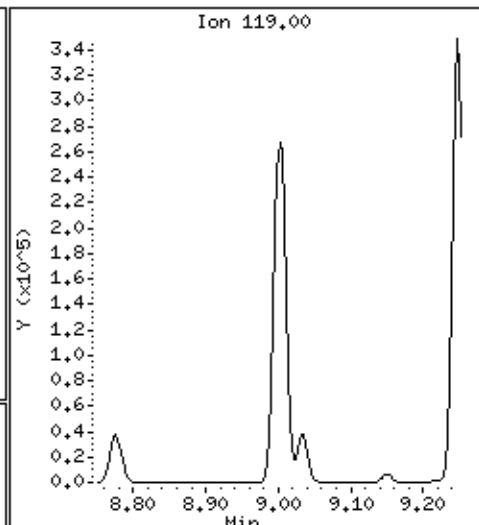
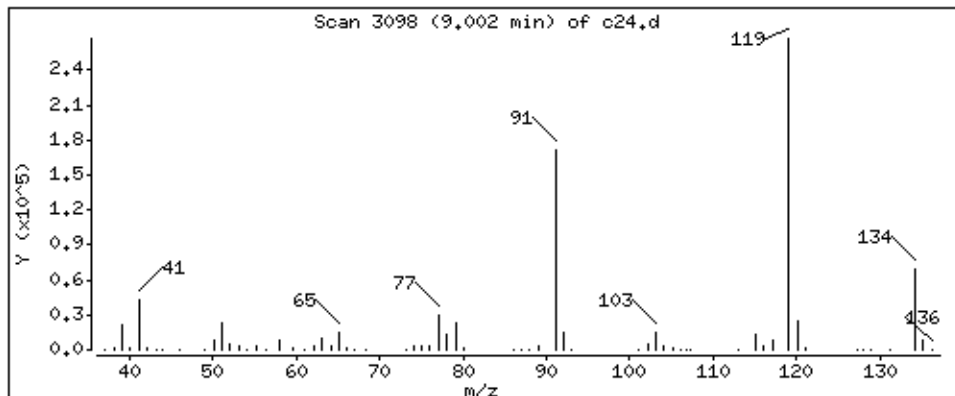
Operator: amv

Column phase: DB-624

Column diameter: 0.18

86 tert-Butylbenzene

Concentration: 40.1 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

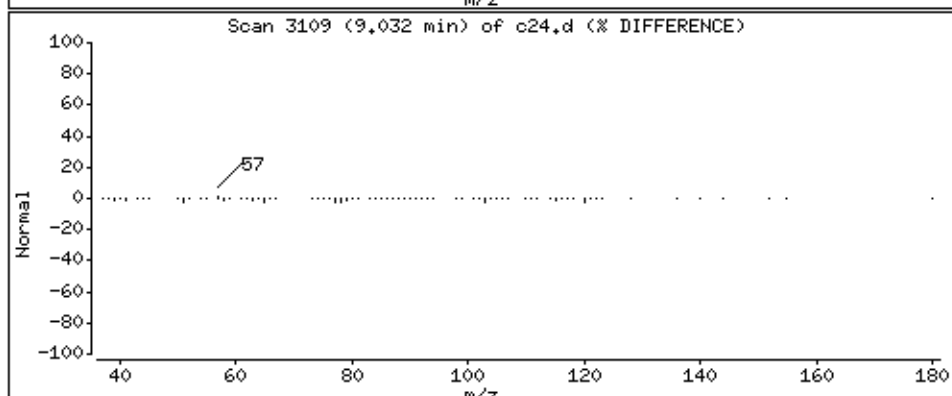
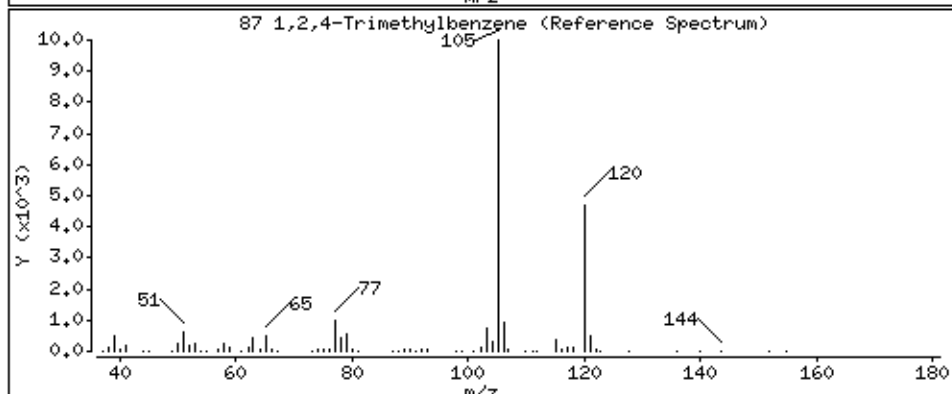
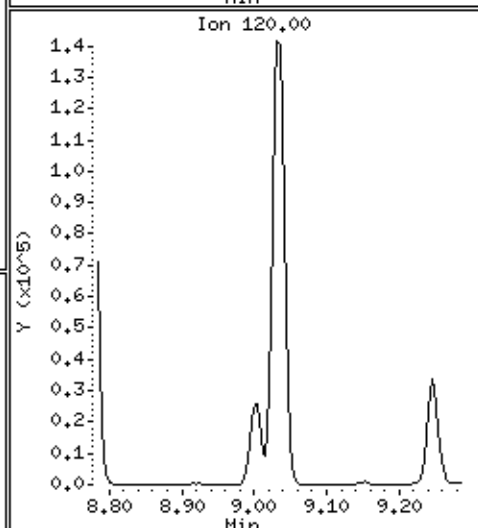
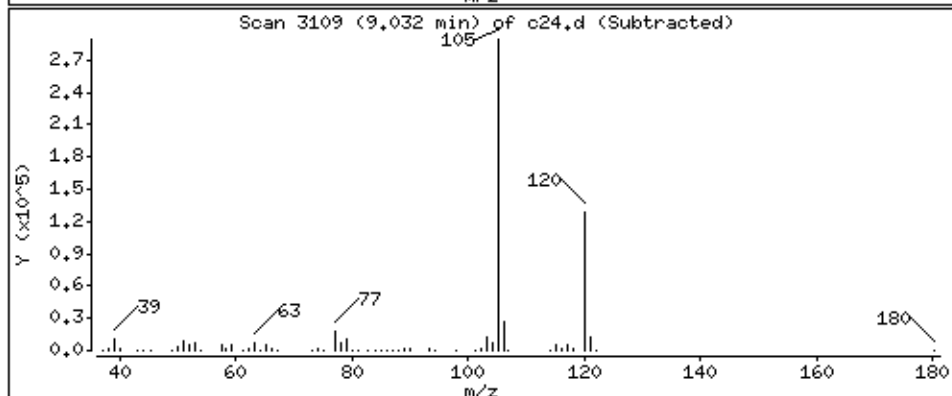
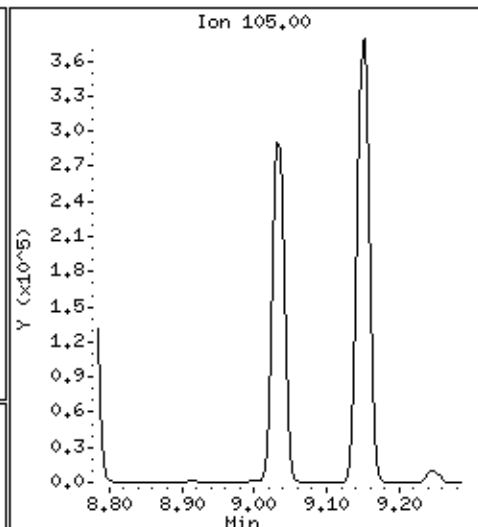
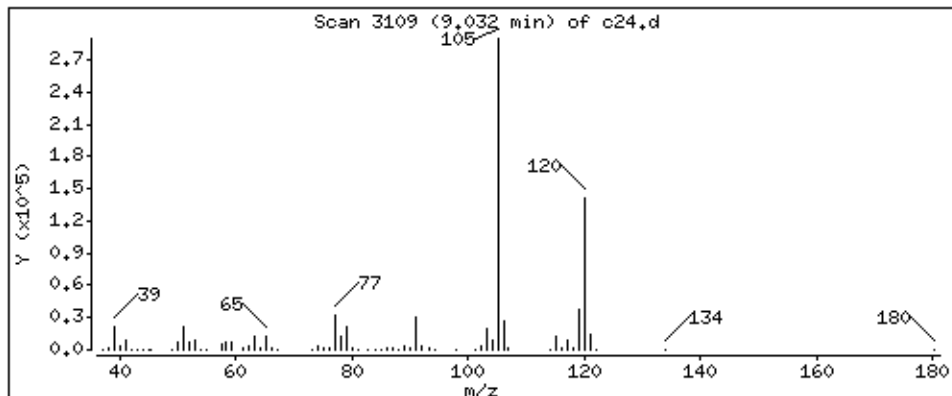
Operator: amv

Column phase: DB-624

Column diameter: 0,18

87 1,2,4-Trimethylbenzene

Concentration: 43.8 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

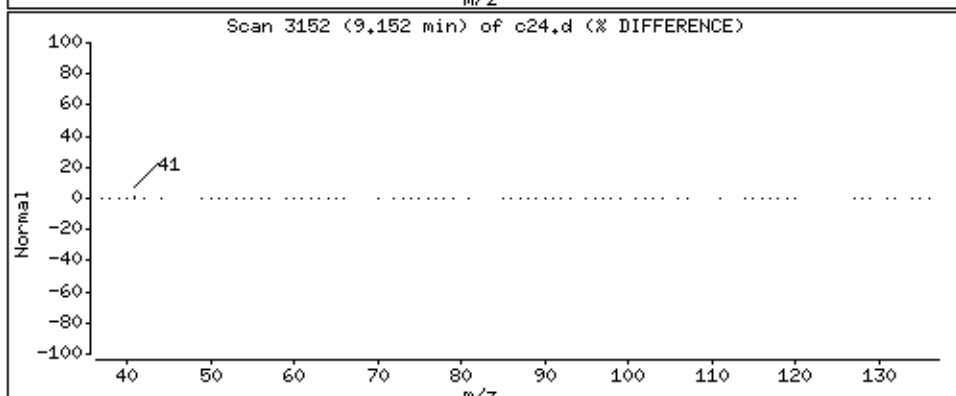
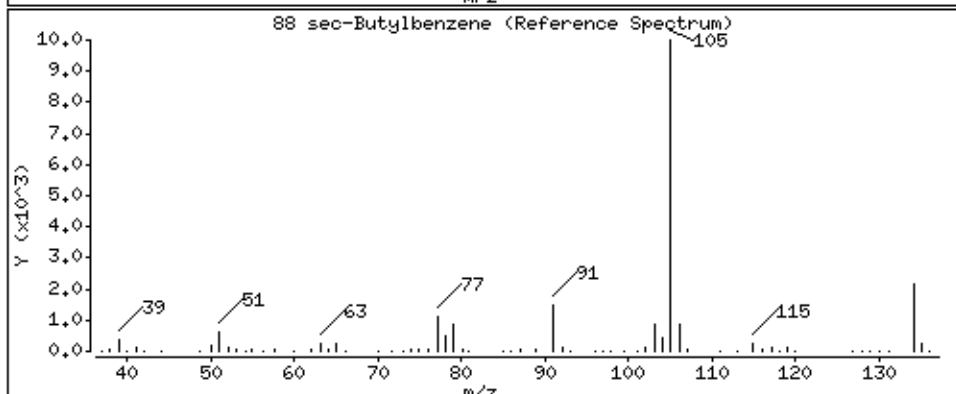
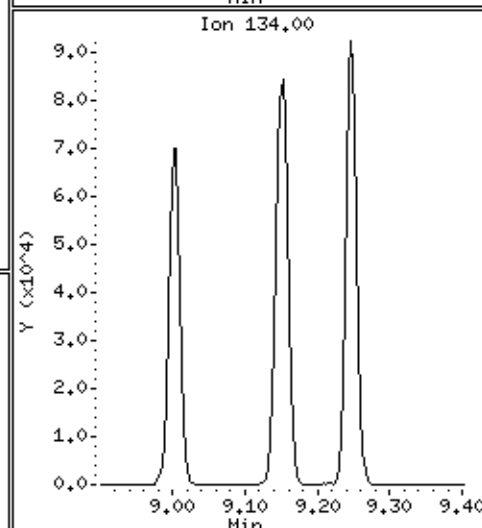
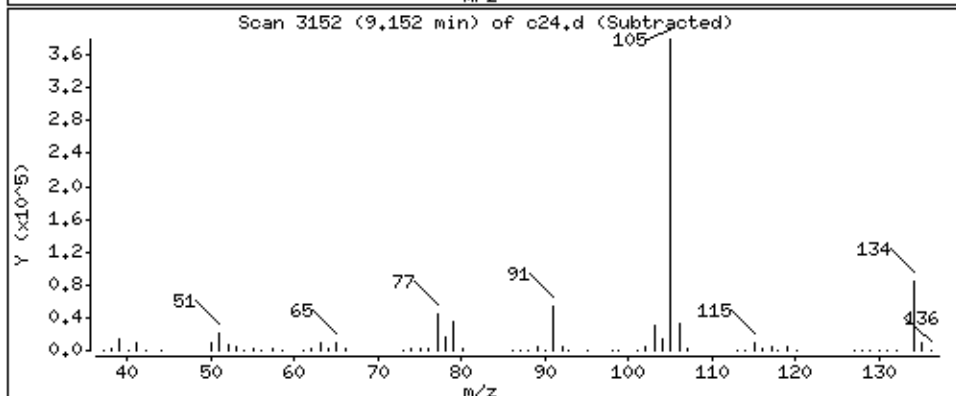
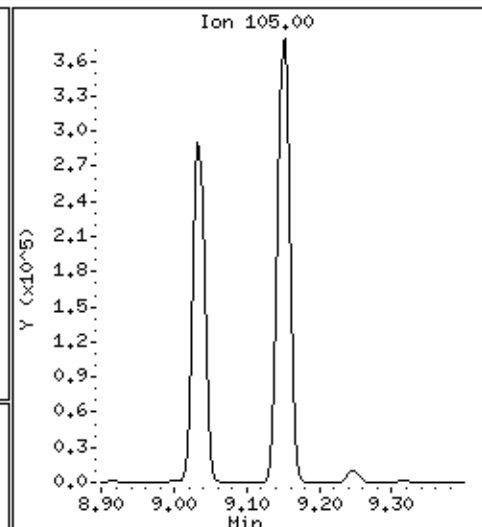
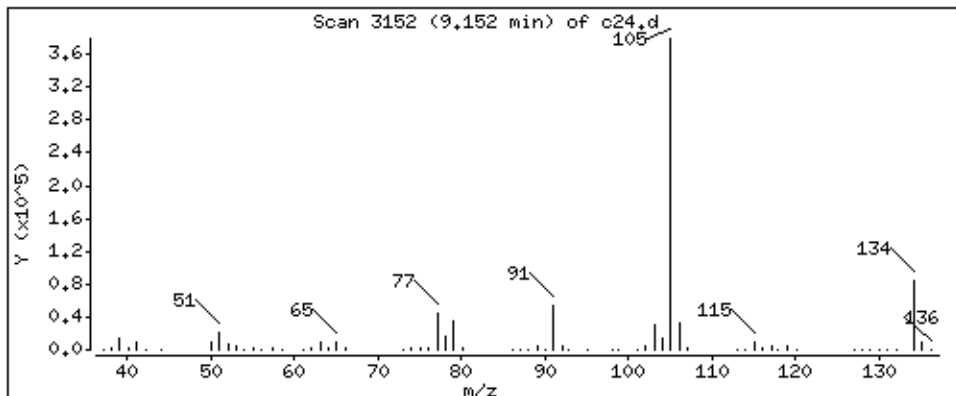
Operator: amv

Column phase: DB-624

Column diameter: 0,18

88 sec-Butylbenzene

Concentration: 45,4 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

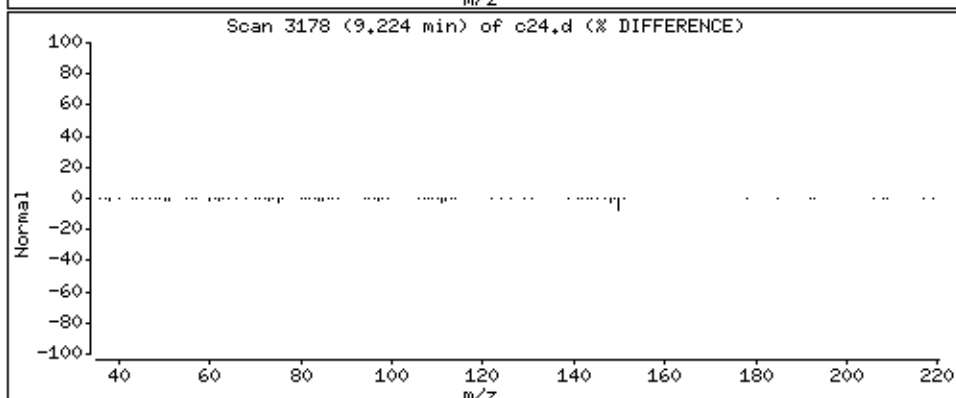
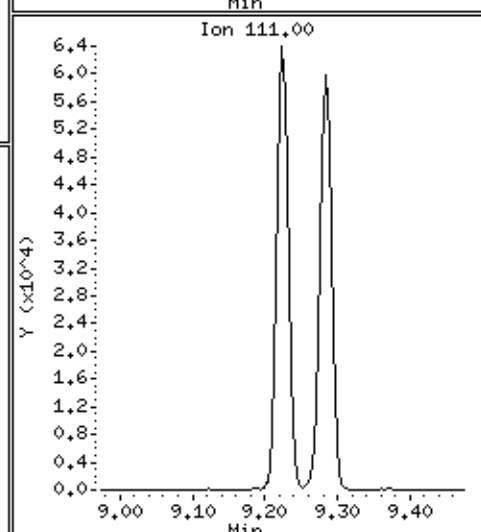
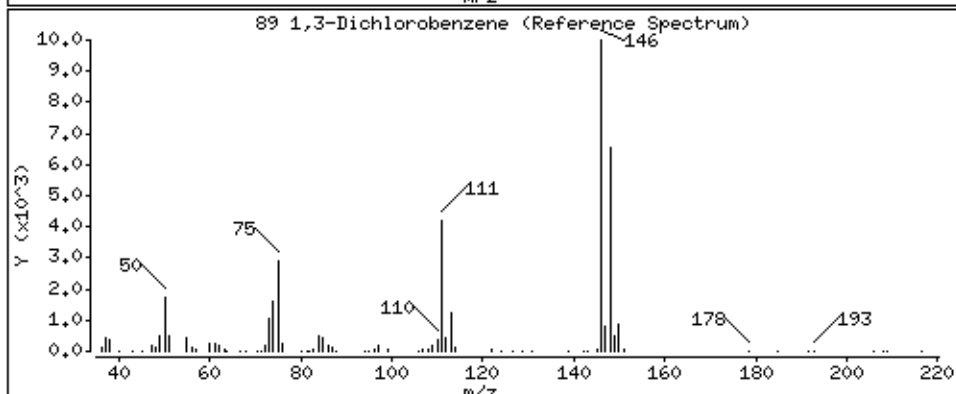
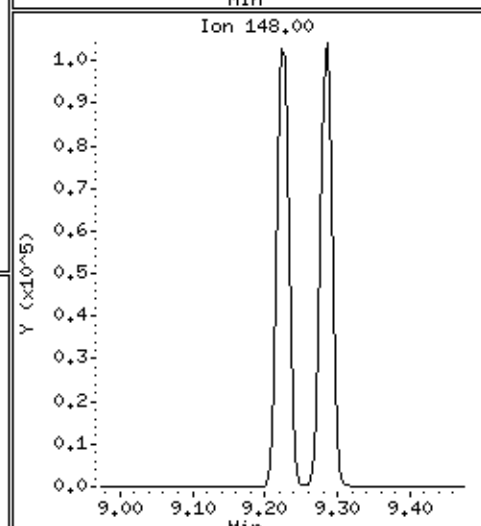
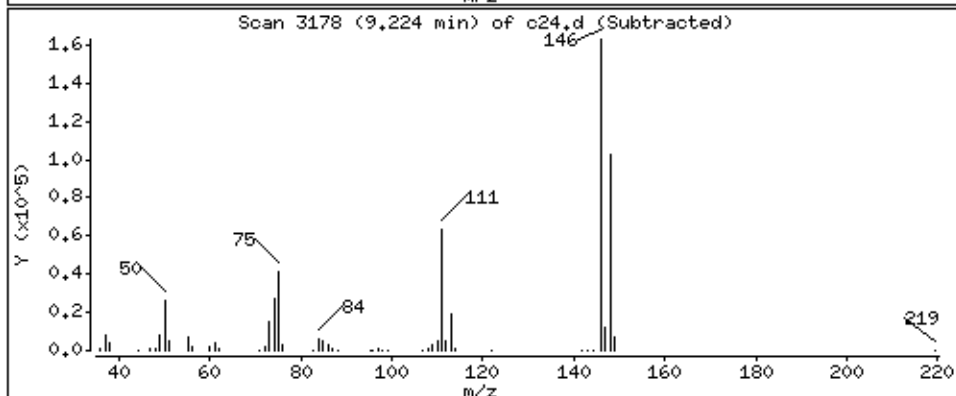
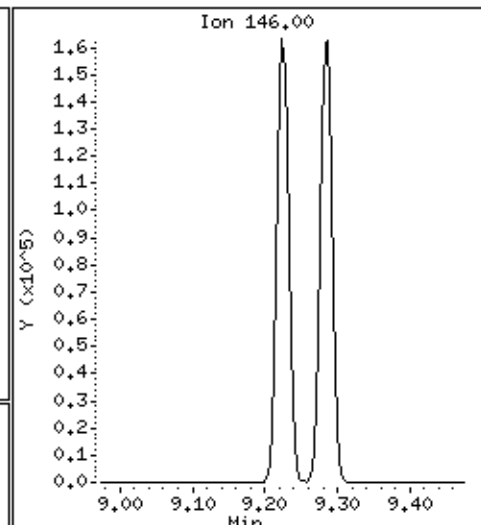
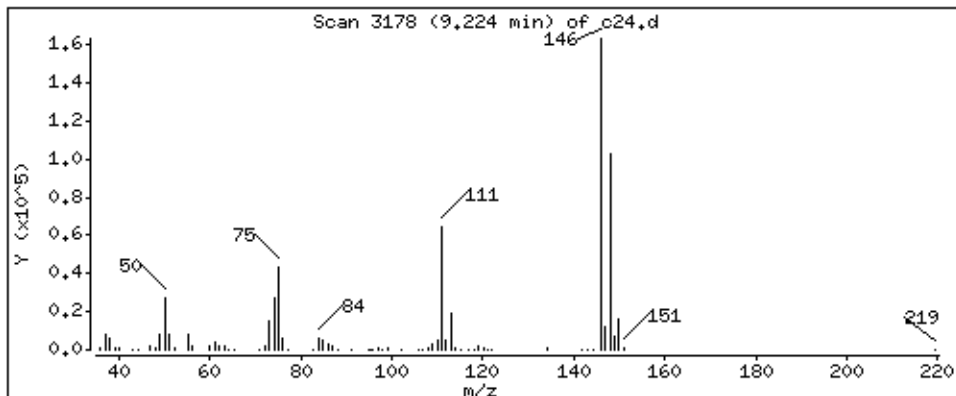
Operator: amv

Column phase: DB-624

Column diameter: 0,18

89 1,3-Dichlorobenzene

Concentration: 44,4 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

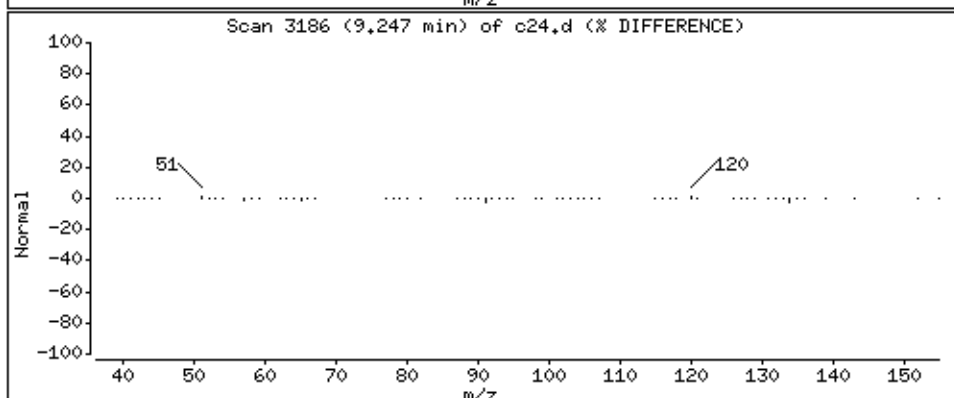
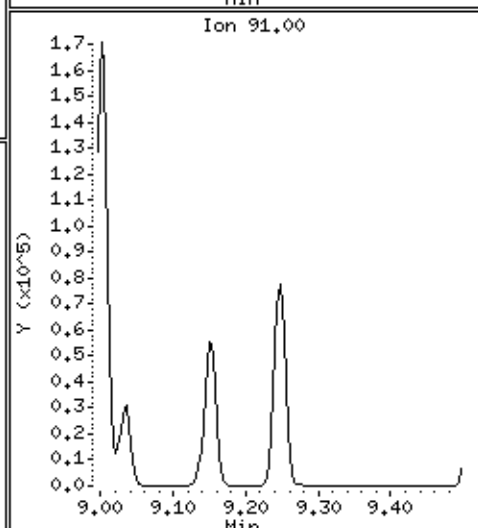
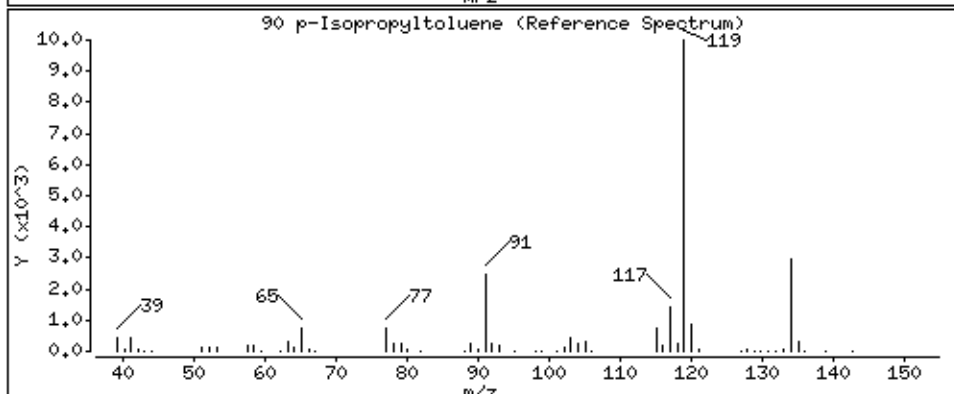
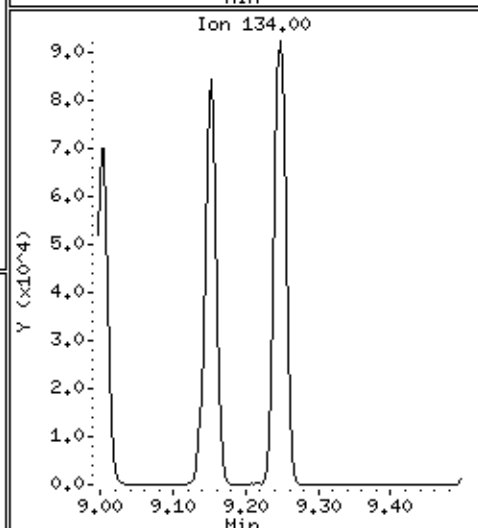
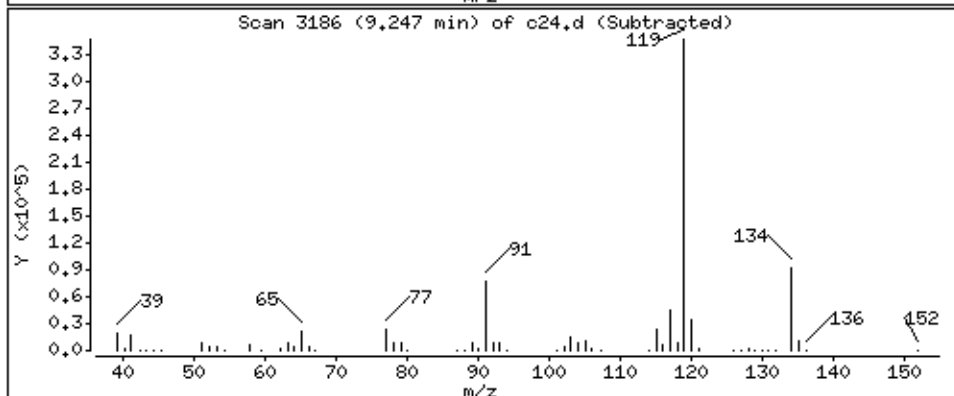
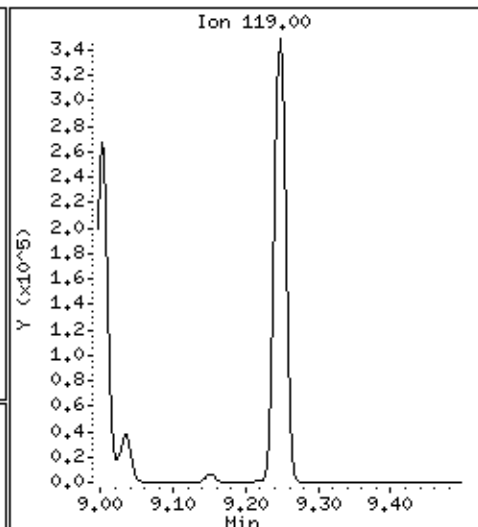
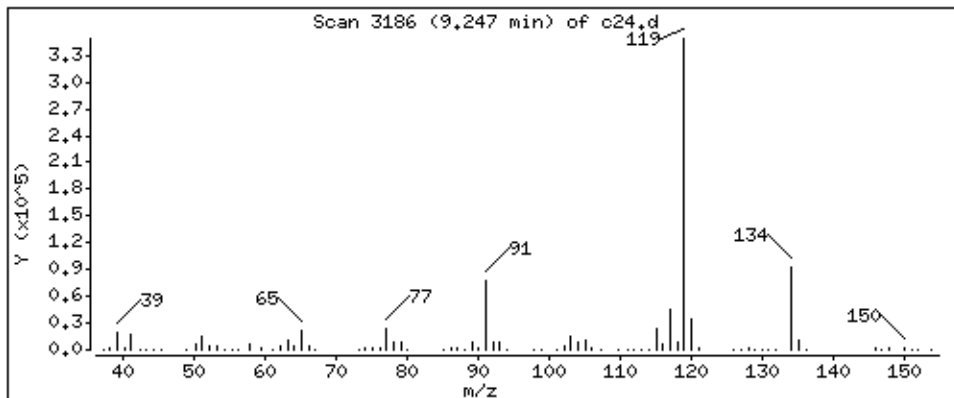
Operator: amv

Column phase: DB-624

Column diameter: 0.18

90 p-Isopropyltoluene

Concentration: 46.4 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

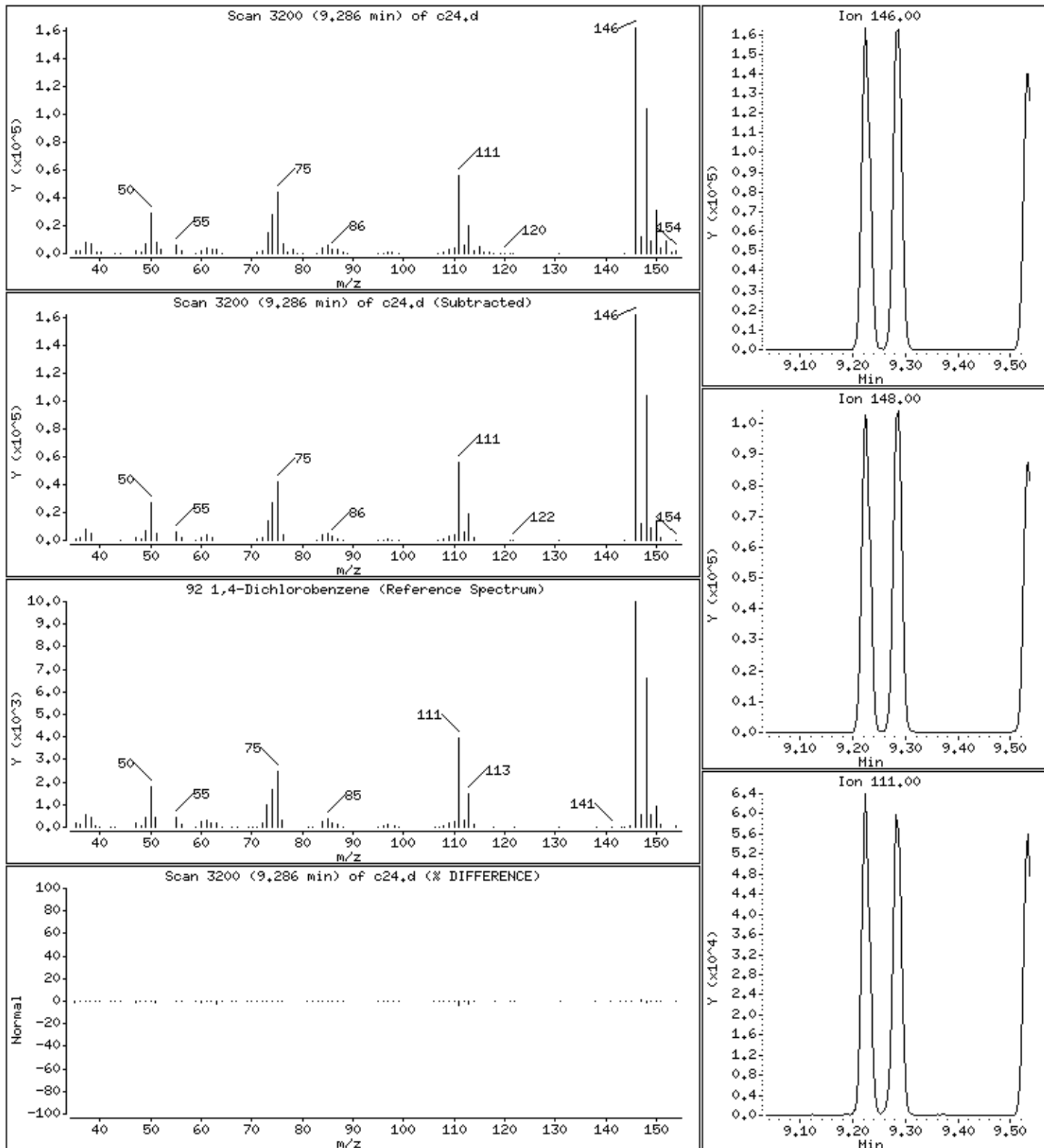
Operator: amv

Column phase: DB-624

Column diameter: 0,18

92 1,4-Dichlorobenzene

Concentration: 44,1 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mw2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

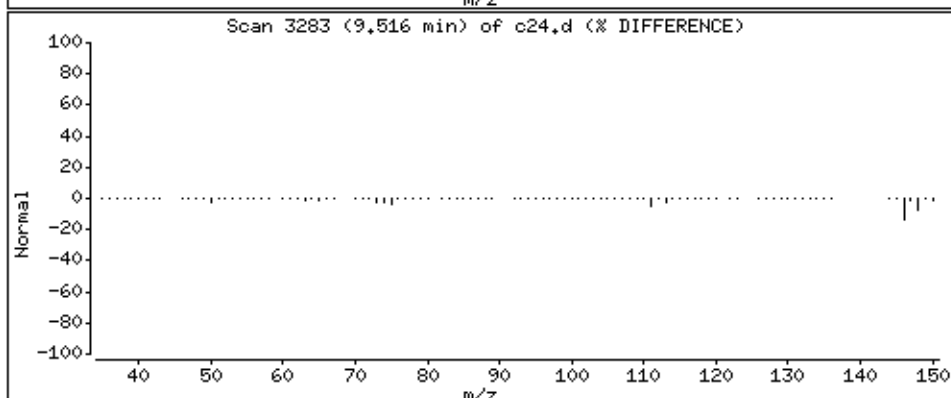
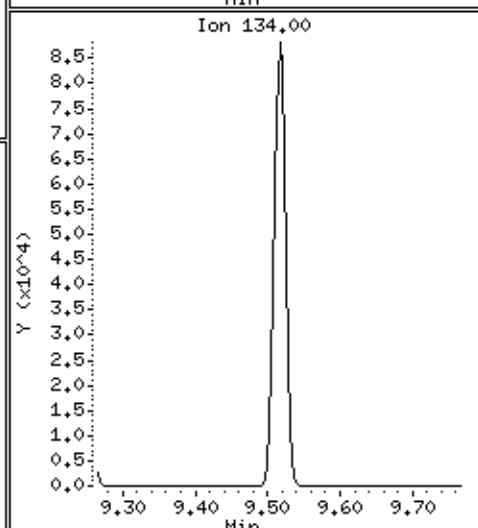
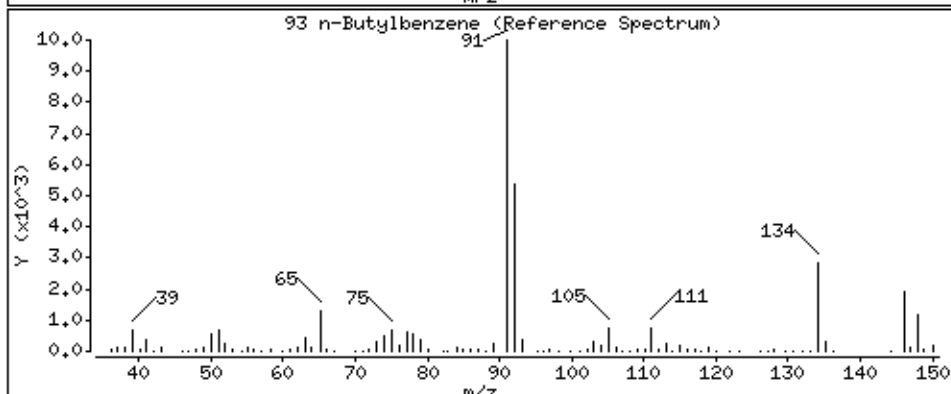
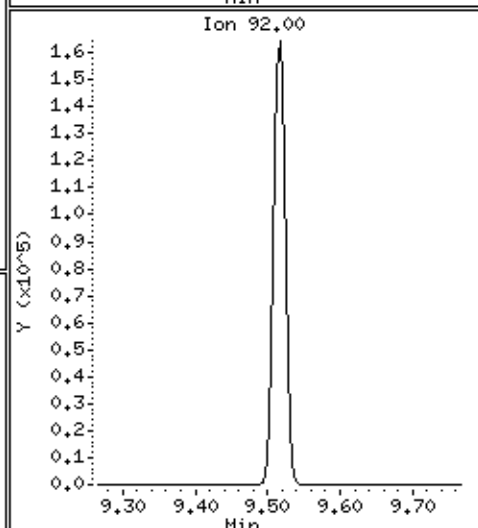
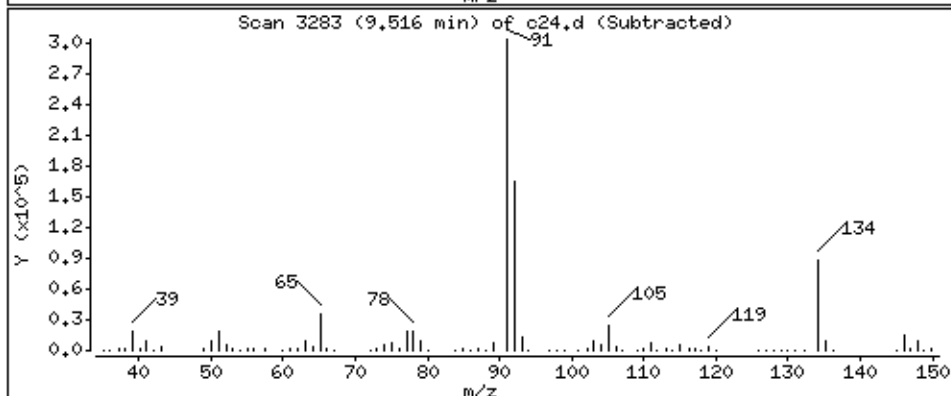
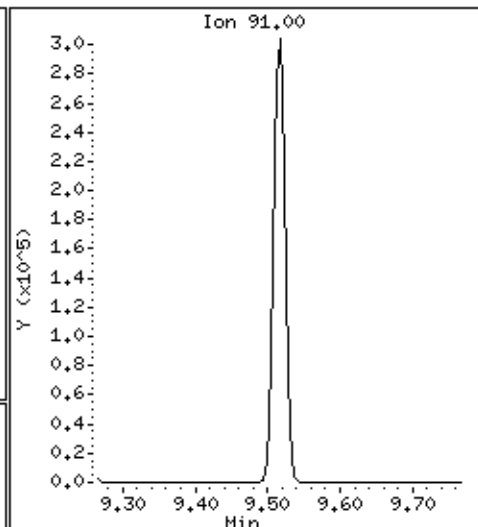
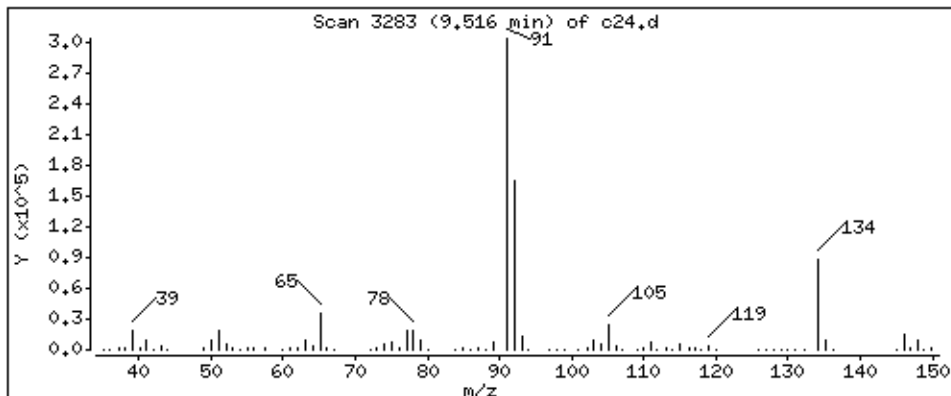
Operator: amv

Column phase: DB-624

Column diameter: 0,18

93 n-Butylbenzene

Concentration: 42.5 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

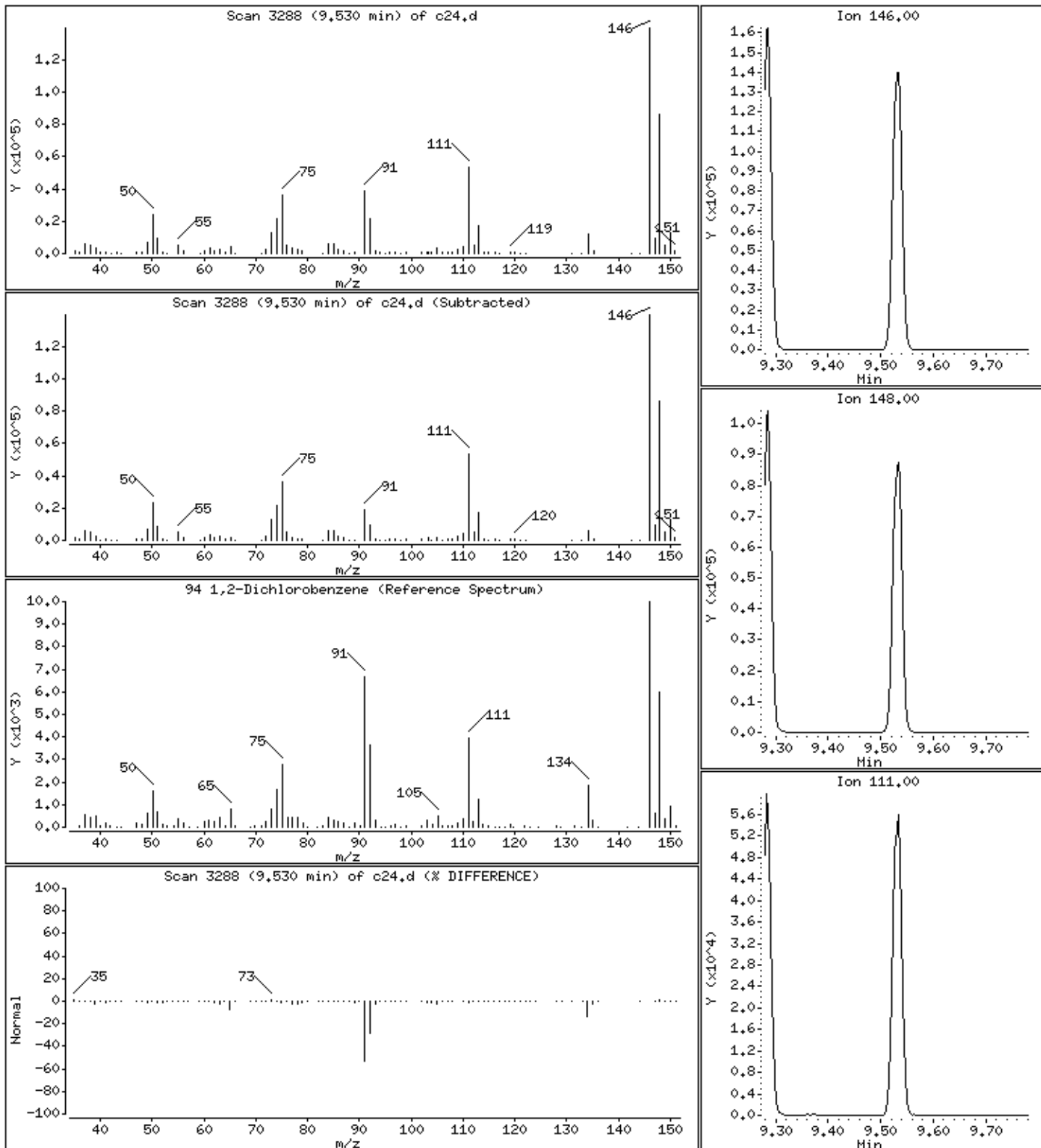
Operator: amv

Column phase: DB-624

Column diameter: 0,18

94 1,2-Dichlorobenzene

Concentration: 45,8 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

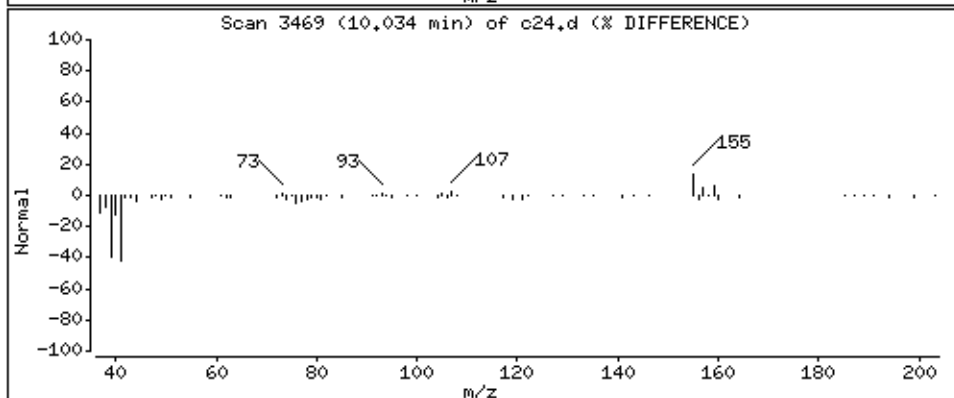
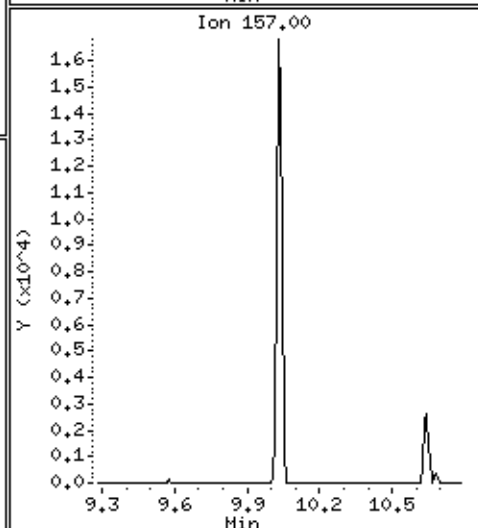
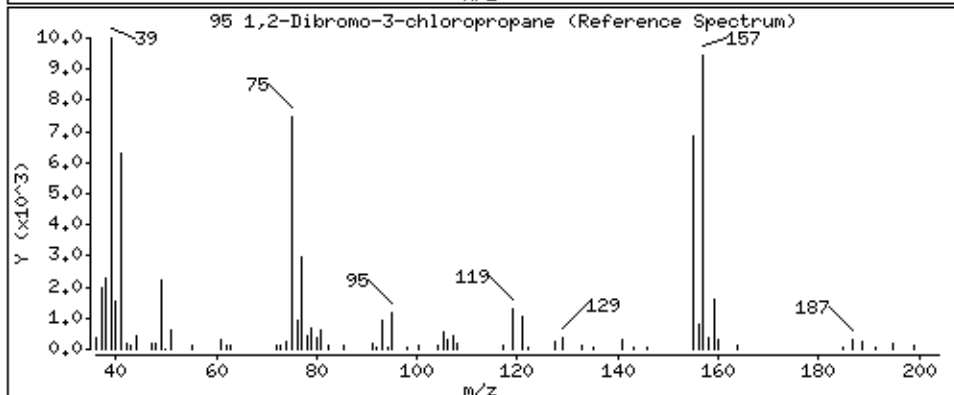
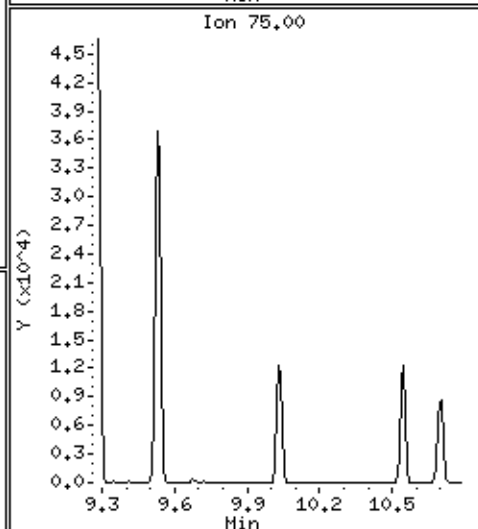
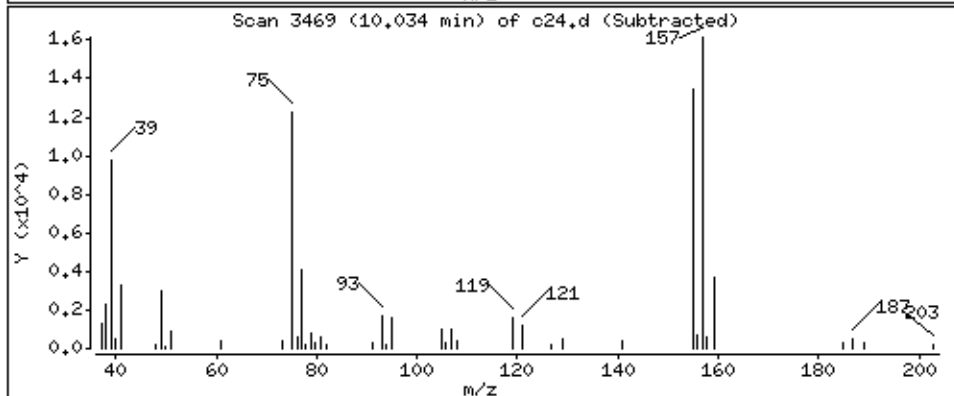
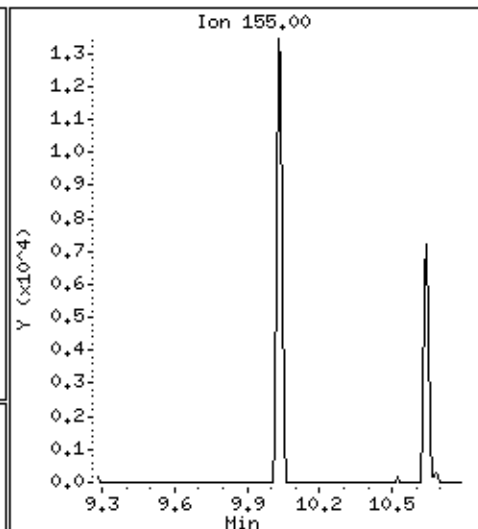
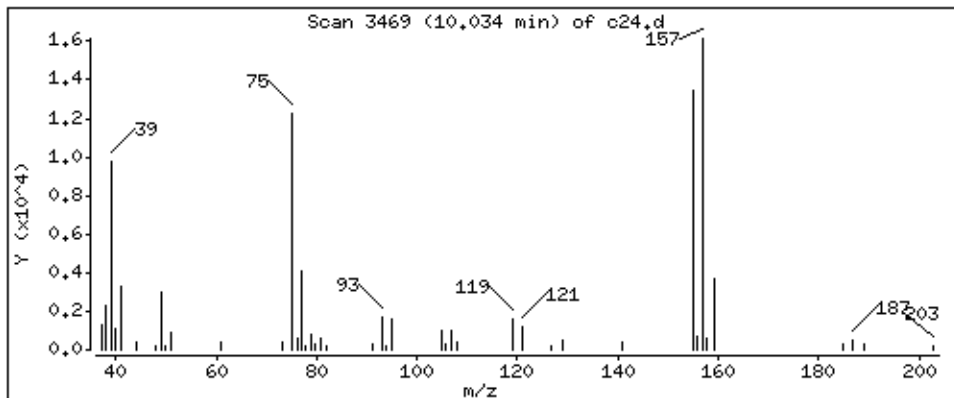
Operator: amv

Column phase: DB-624

Column diameter: 0,18

95 1,2-Dibromo-3-chloropropane

Concentration: 43.3 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

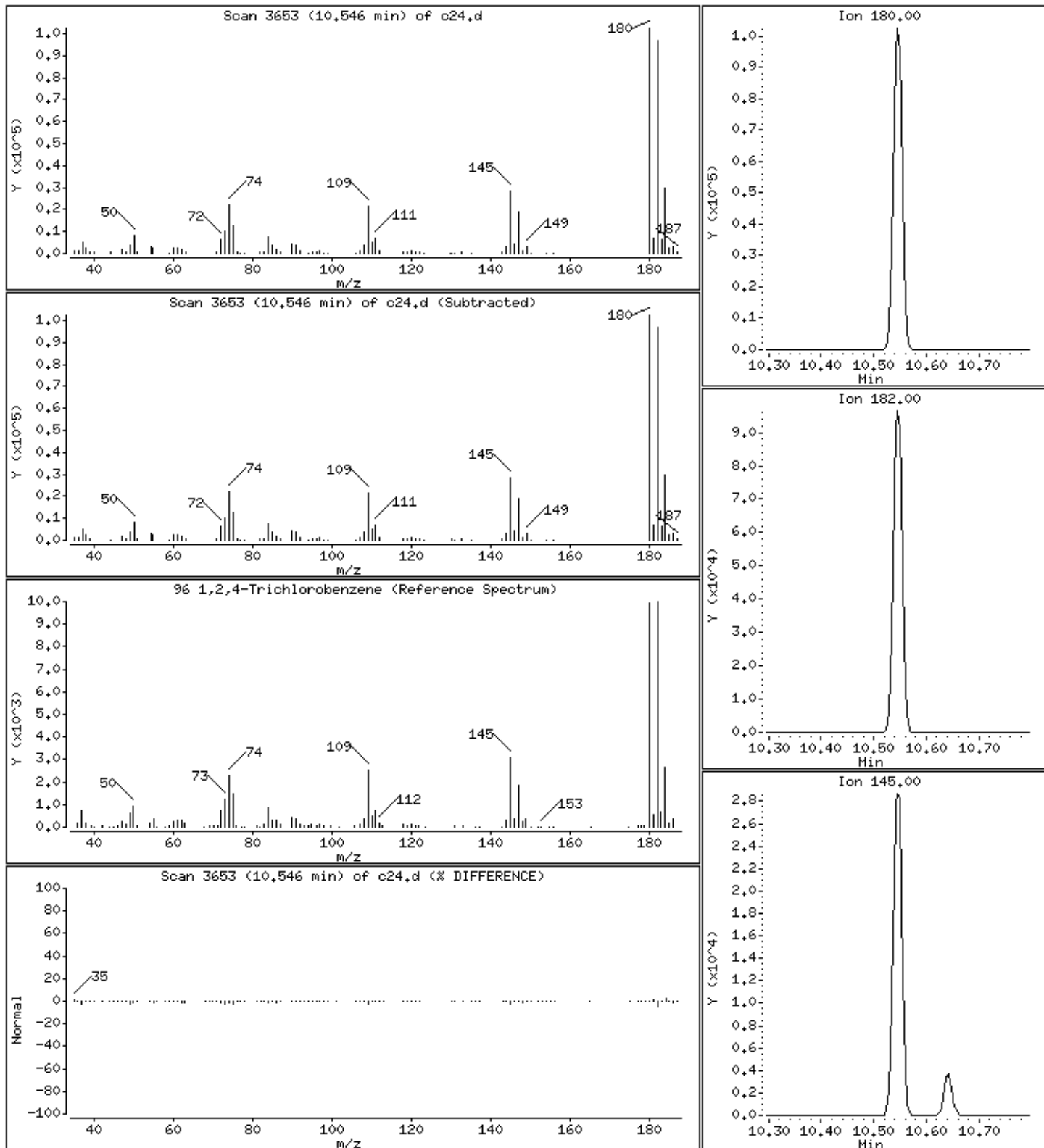
Operator: amv

Column phase: DB-624

Column diameter: 0,18

96 1,2,4-Trichlorobenzene

Concentration: 44,1 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

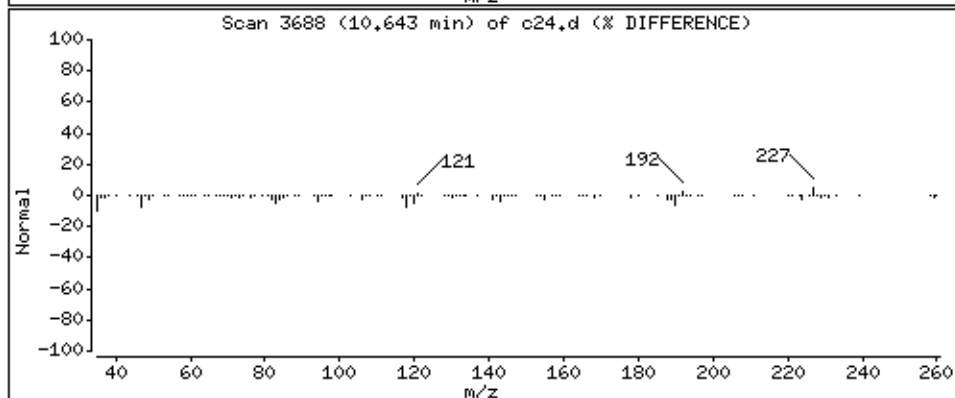
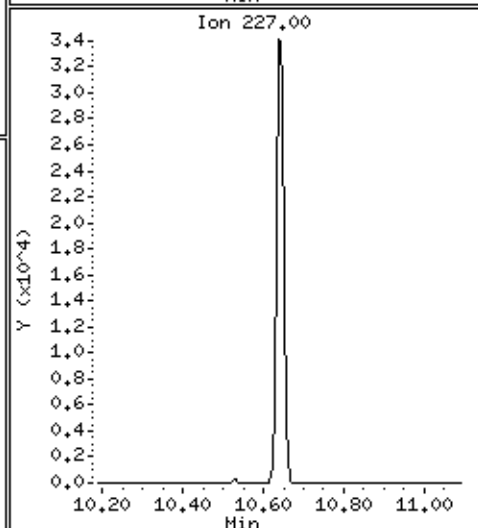
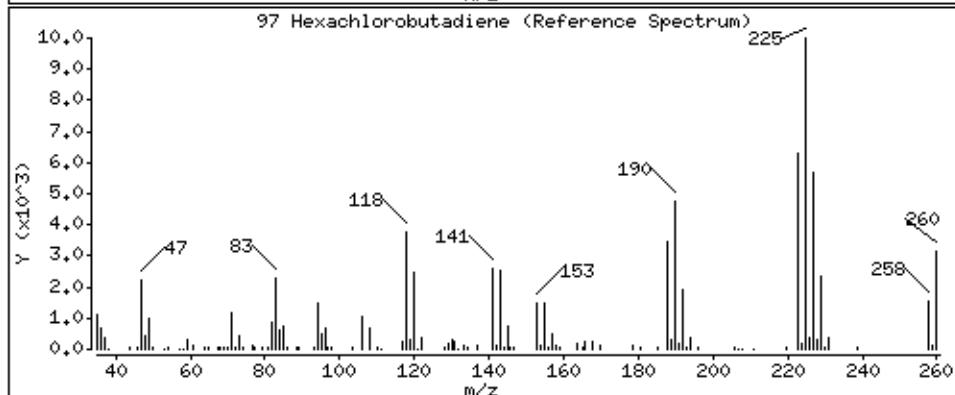
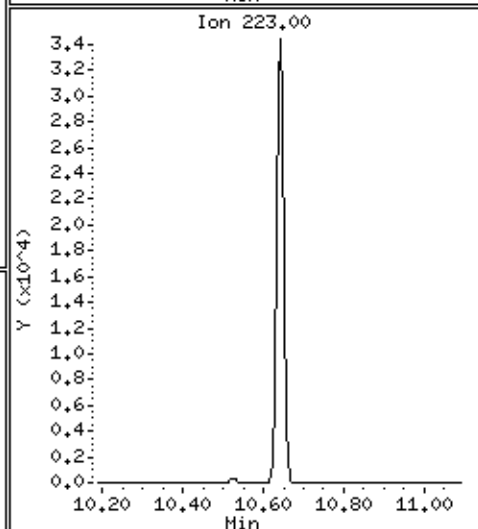
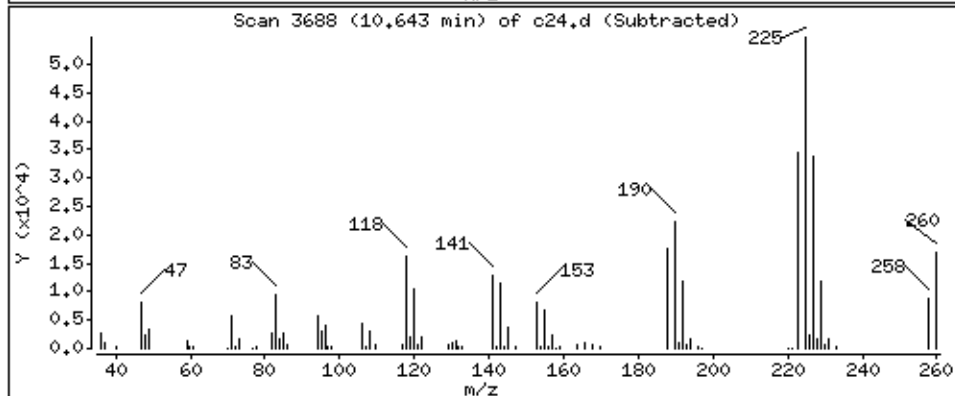
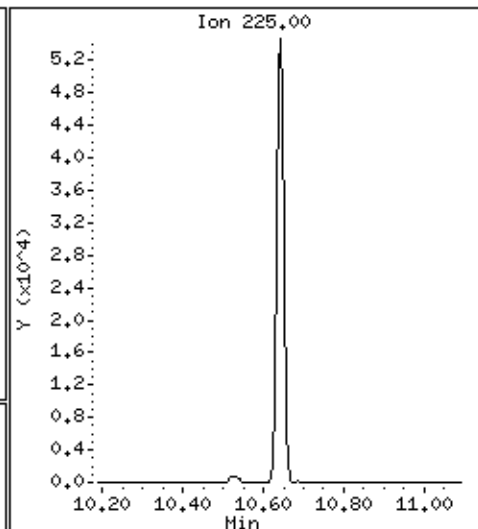
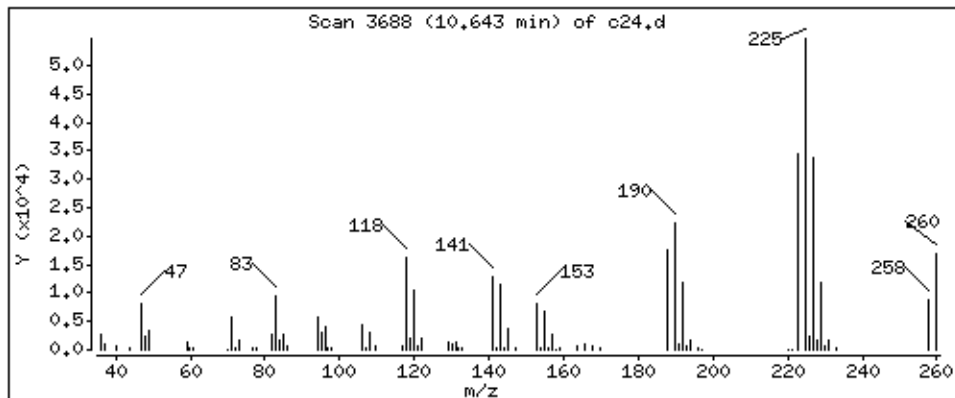
Operator: amv

Column phase: DB-624

Column diameter: 0,18

97 Hexachlorobutadiene

Concentration: 45,1 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

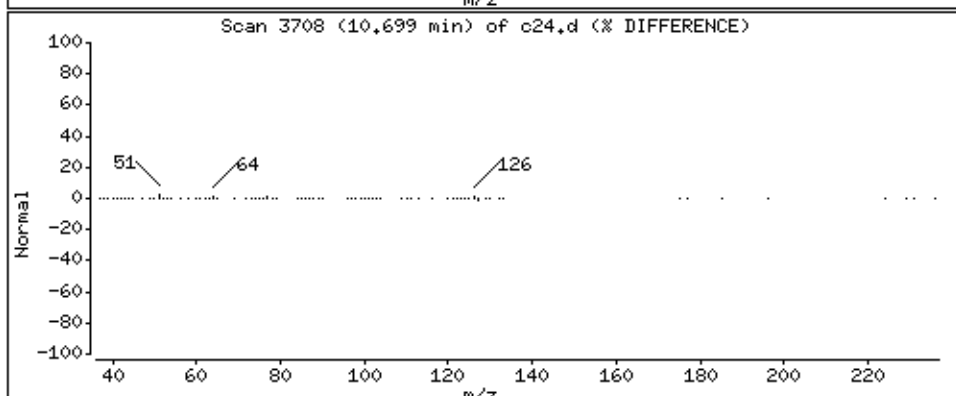
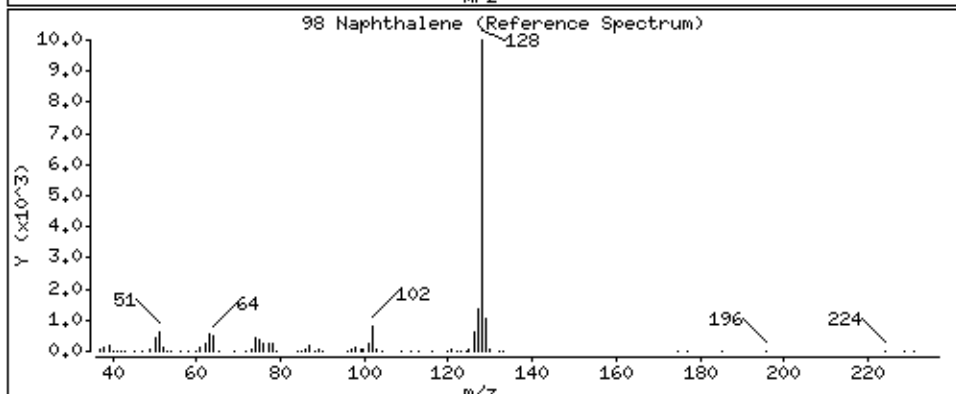
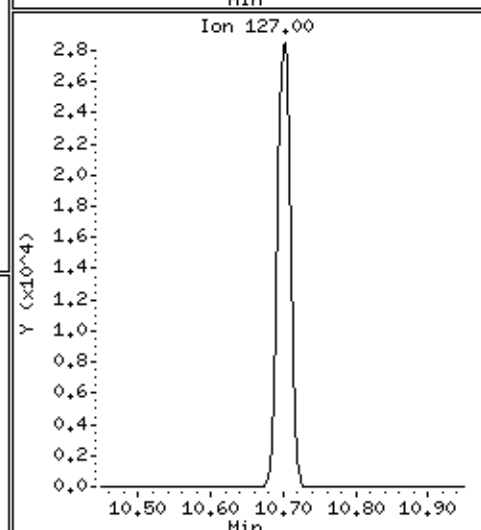
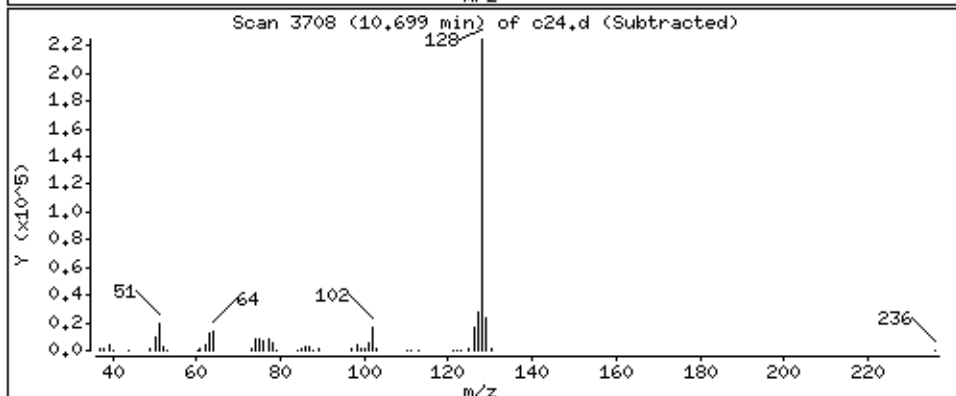
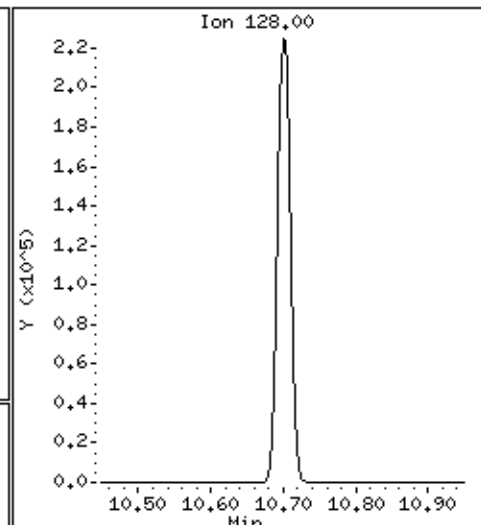
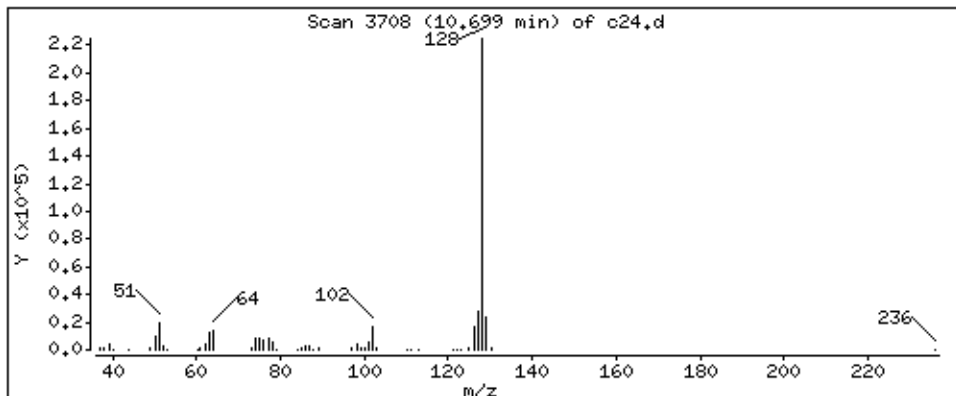
Operator: amv

Column phase: DB-624

Column diameter: 0,18

98 Naphthalene

Concentration: 44,8 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314;5

Purge Volume: 5.0

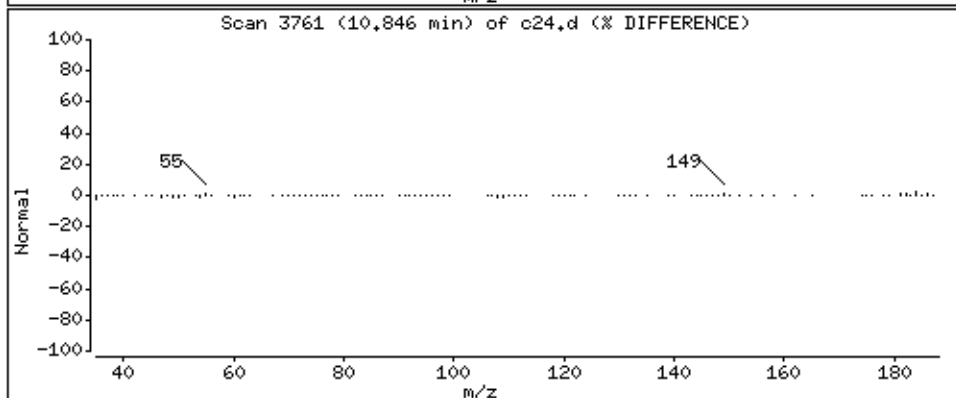
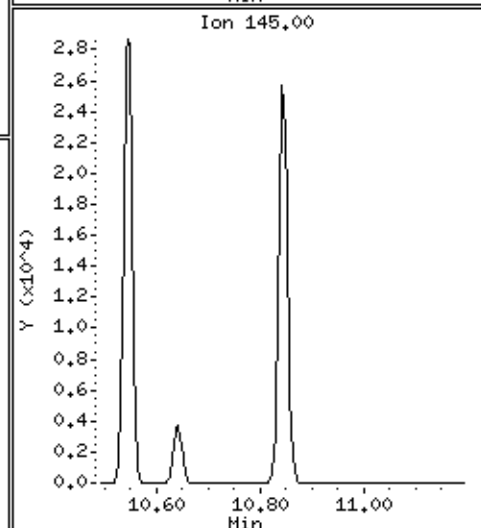
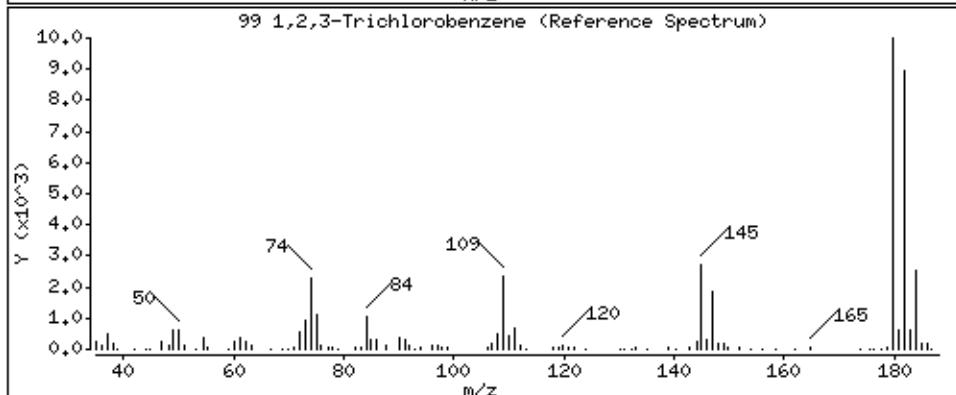
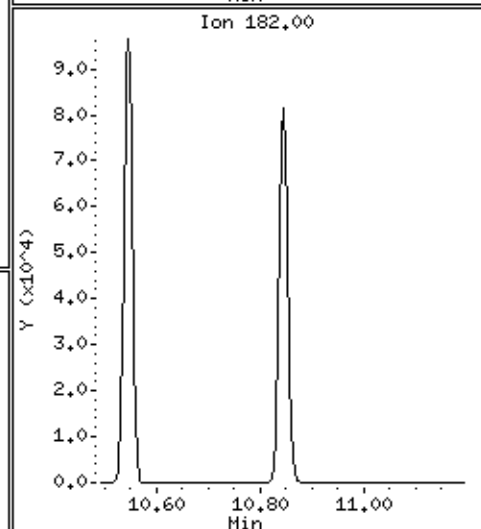
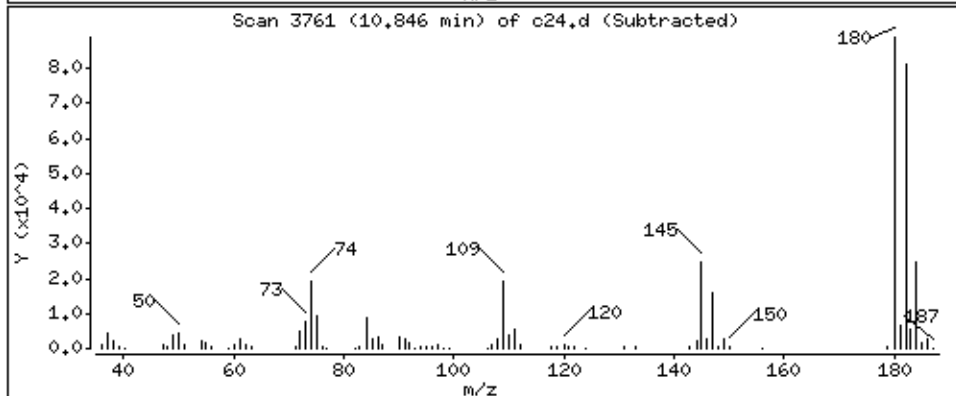
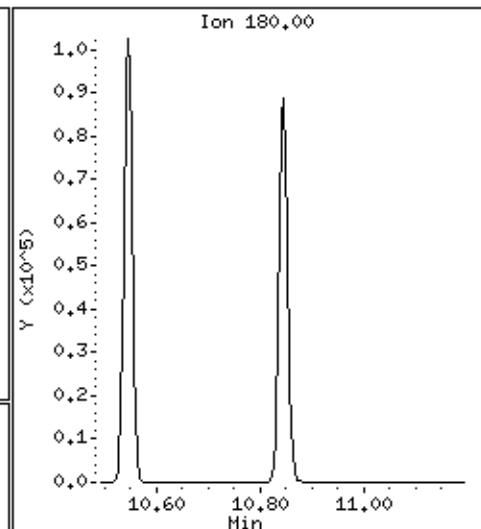
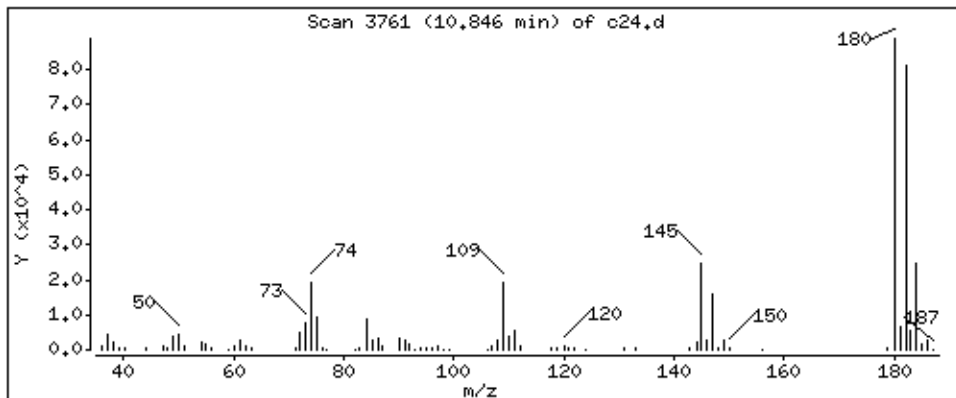
Operator: amv

Column phase: DB-624

Column diameter: 0,18

99 1,2,3-Trichlorobenzene

Concentration: 44,7 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

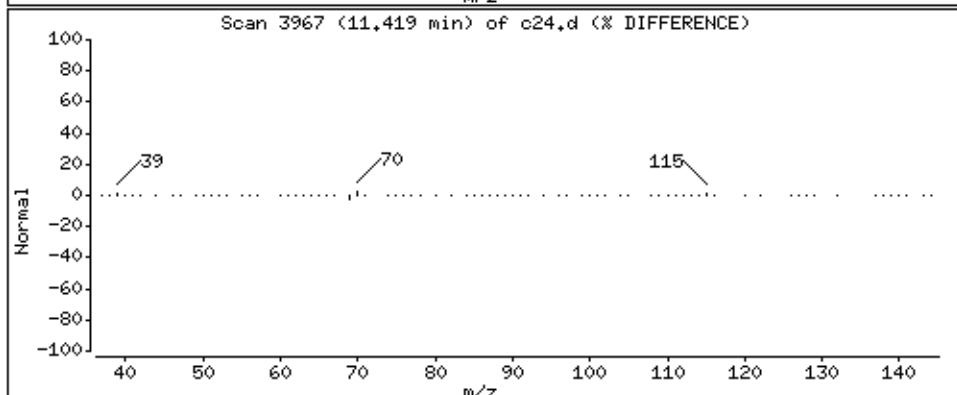
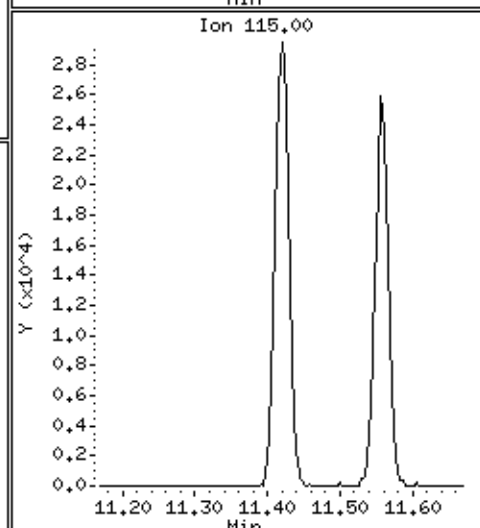
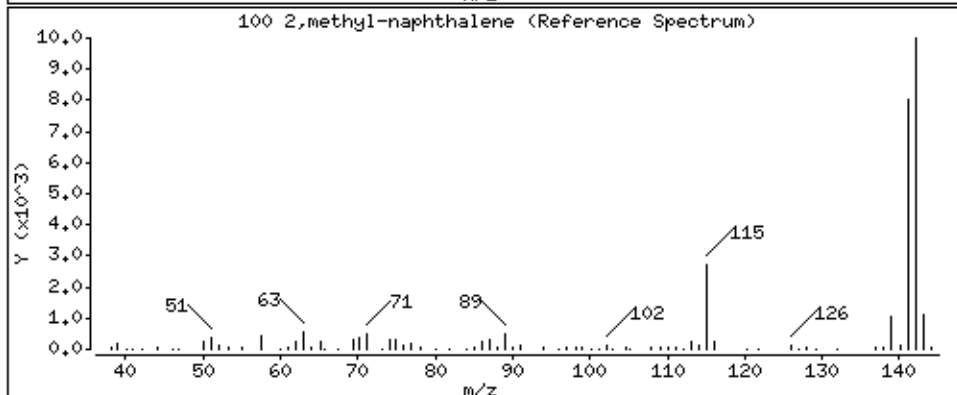
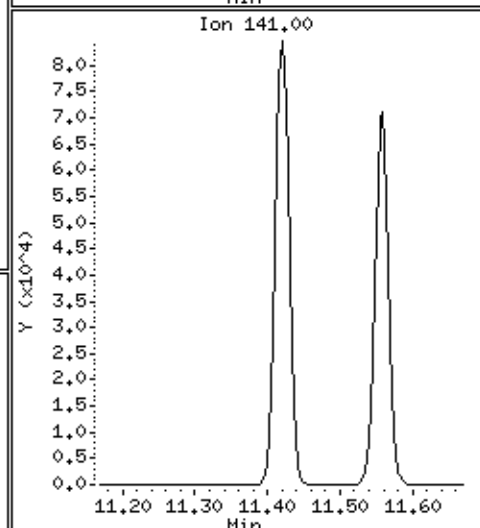
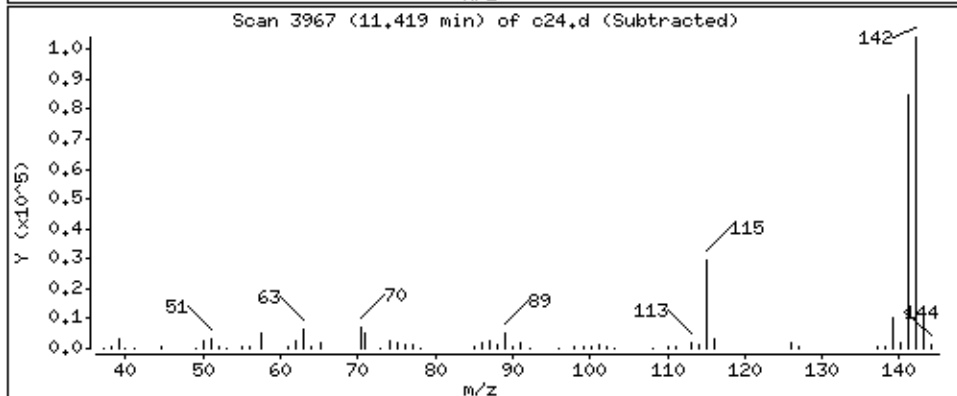
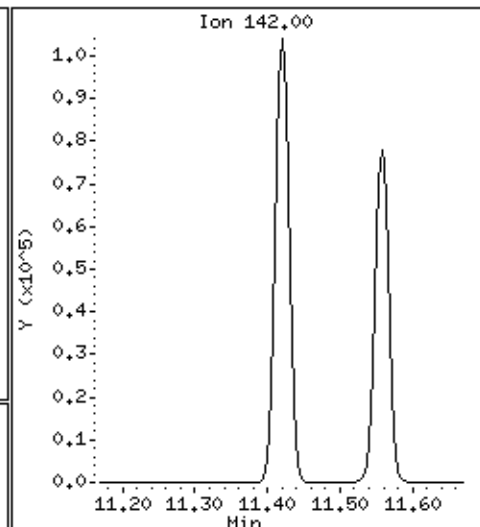
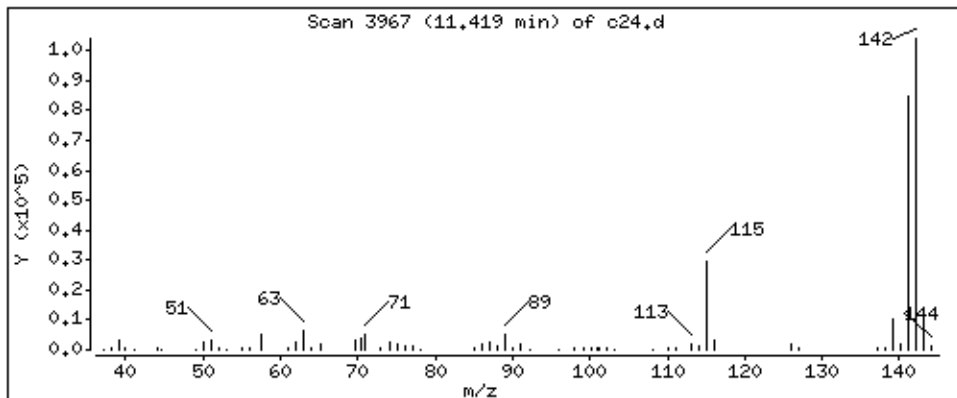
Operator: amv

Column phase: DB-624

Column diameter: 0,18

100 2,methyl-naphthalene

Concentration: 44.0 ppb



Date : 29-AUG-2018 07:16

Client ID: LA291HS

Instrument: 50mv2a.i

Sample Info: 2118713,184314:5

Purge Volume: 5.0

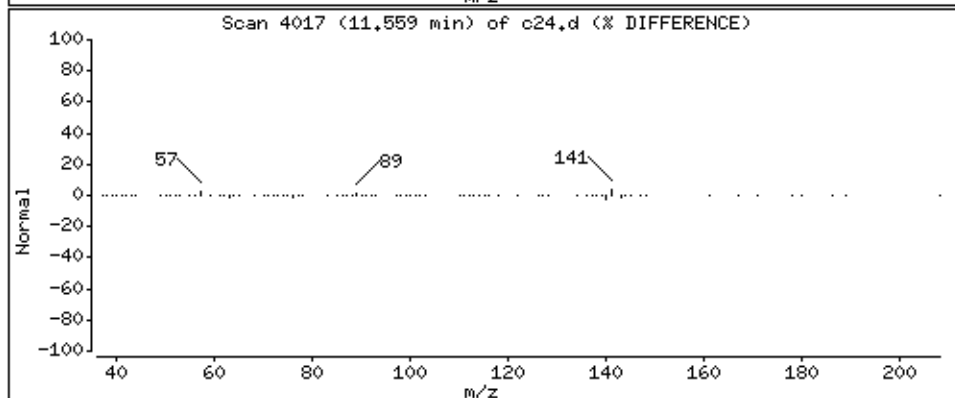
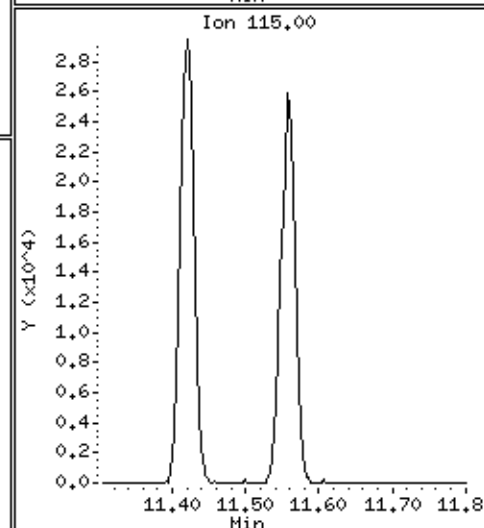
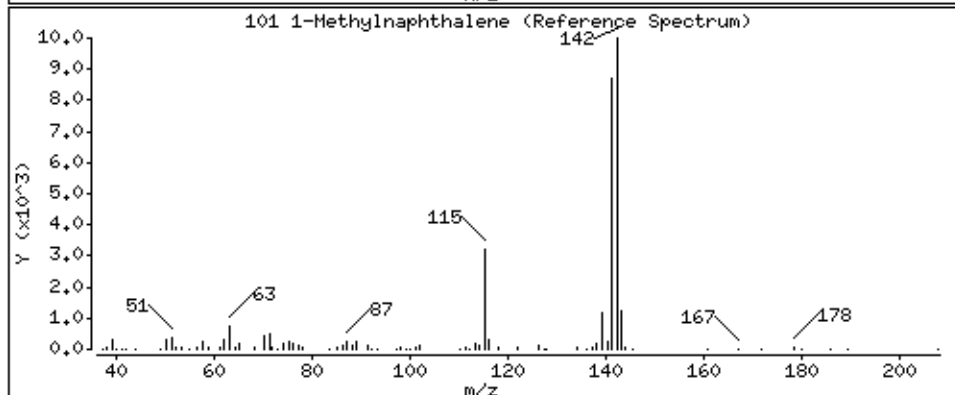
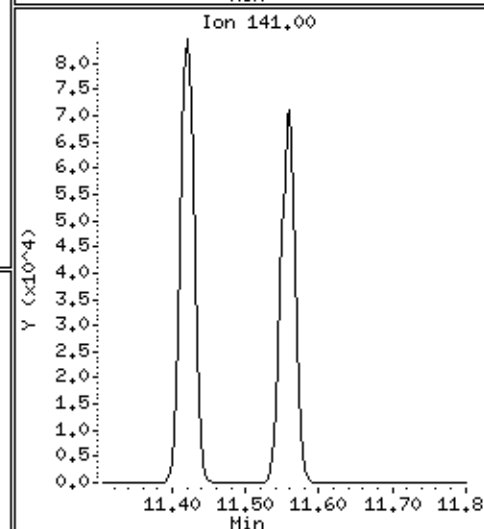
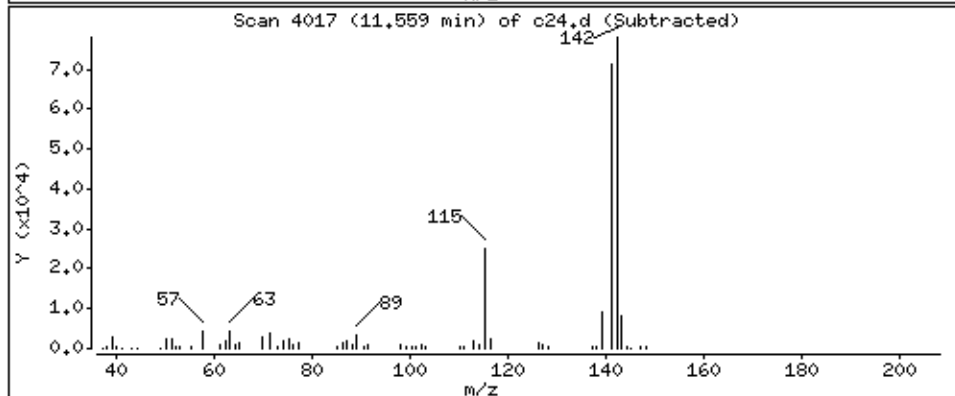
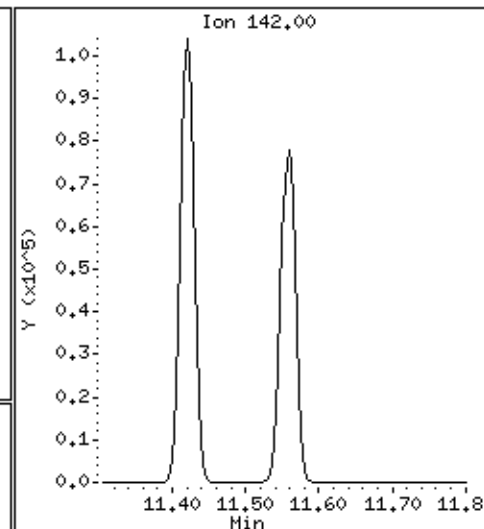
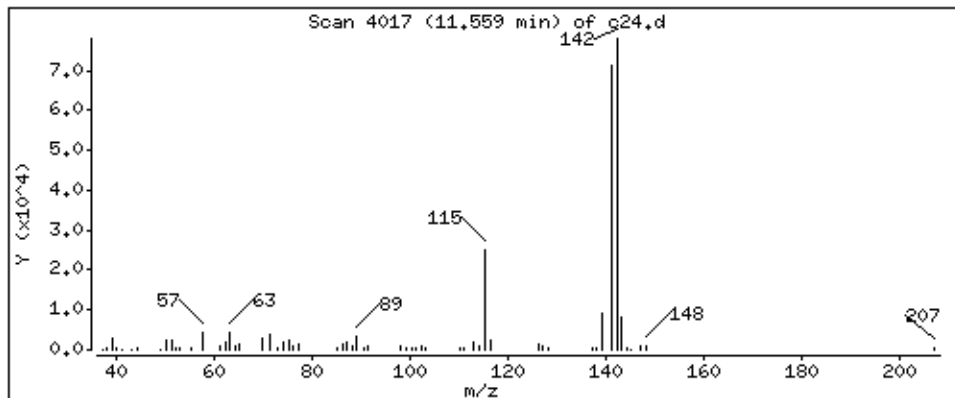
Operator: amv

Column phase: DB-624

Column diameter: 0.18

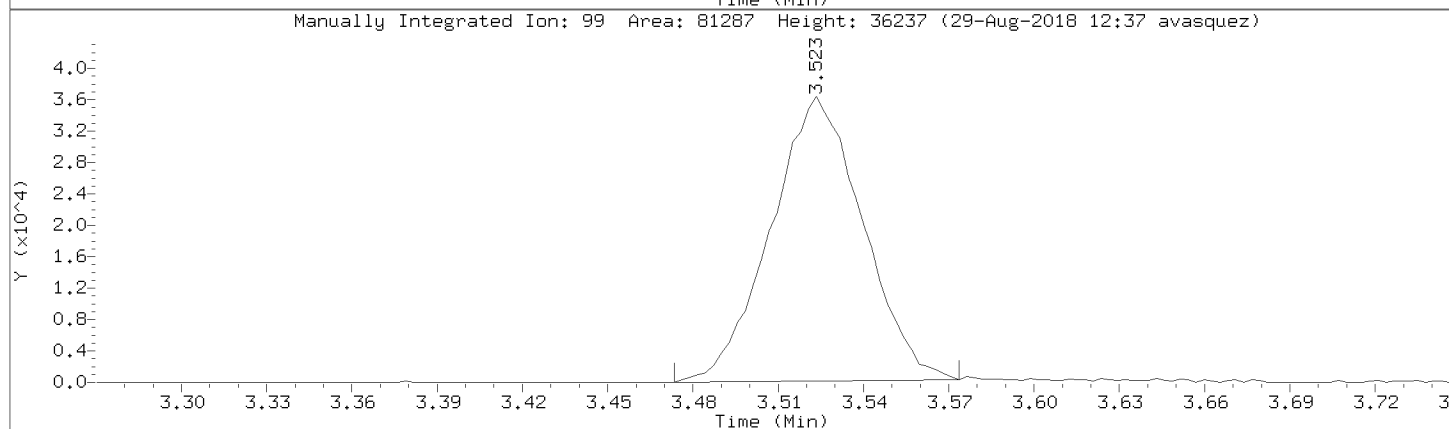
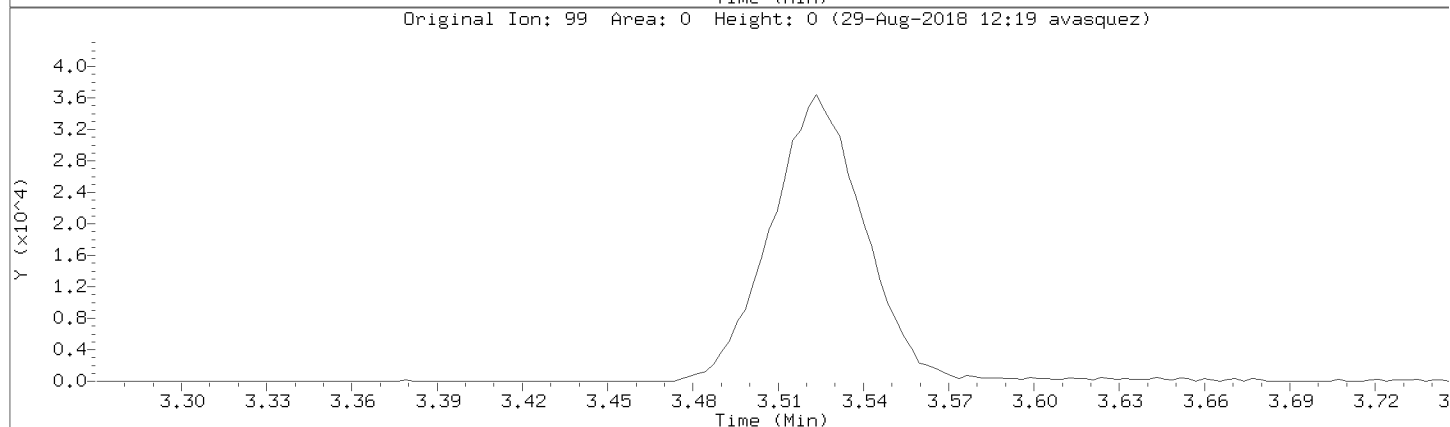
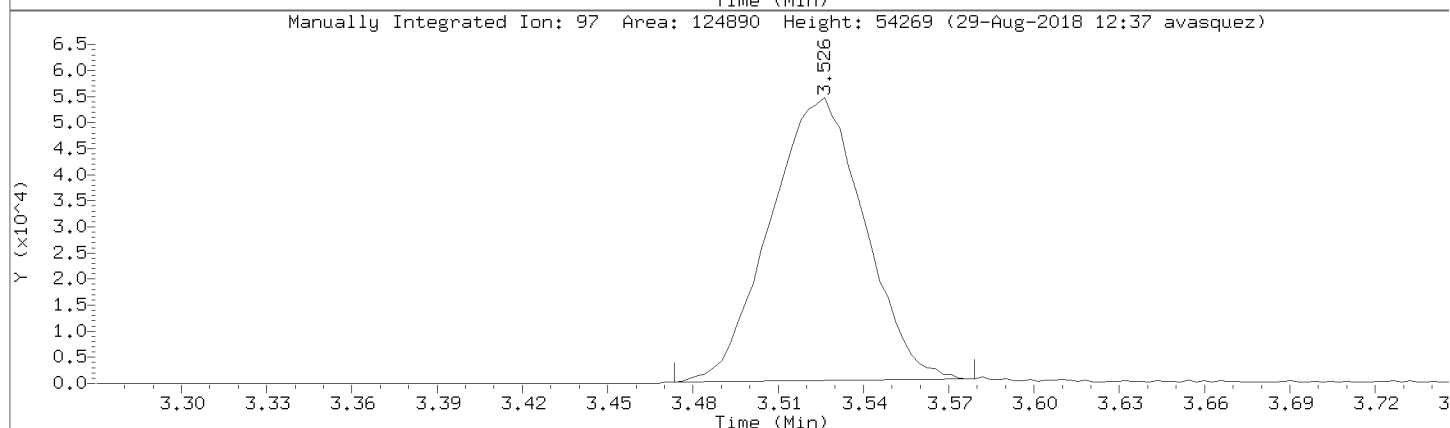
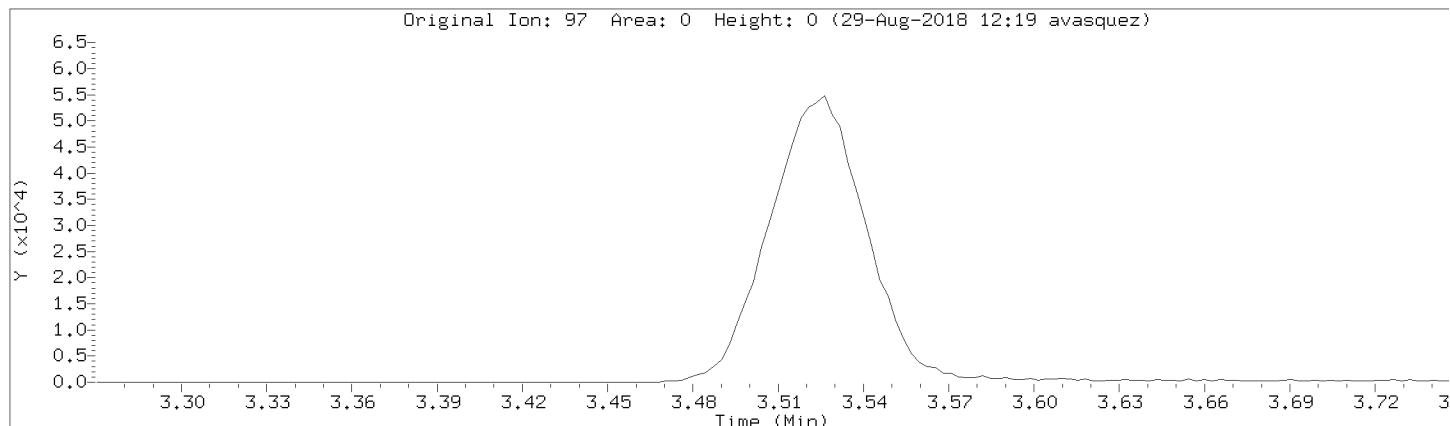
101 1-Methylnaphthalene

Concentration: 45.7 ppb

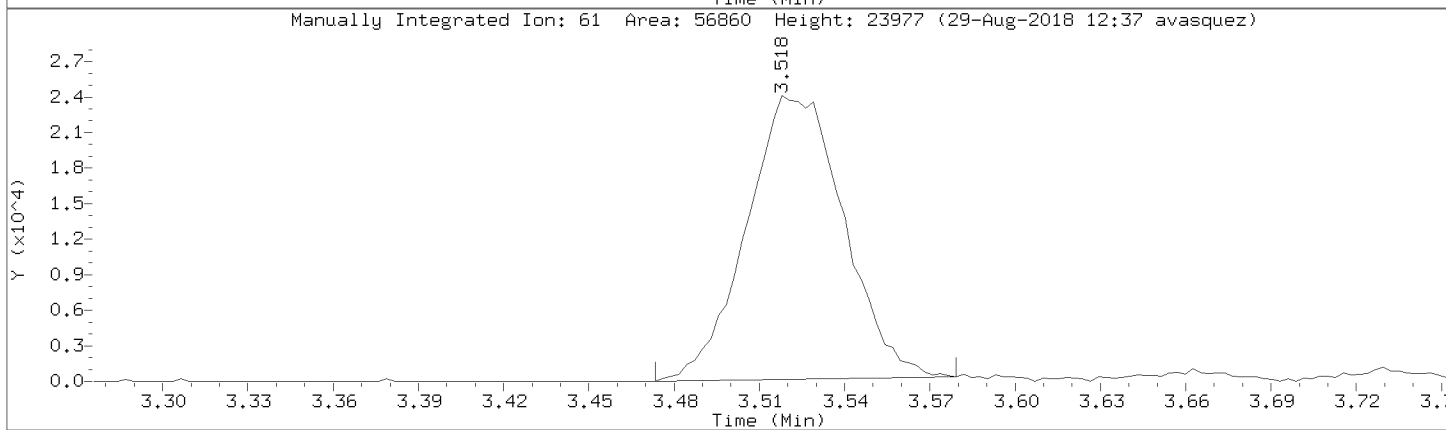
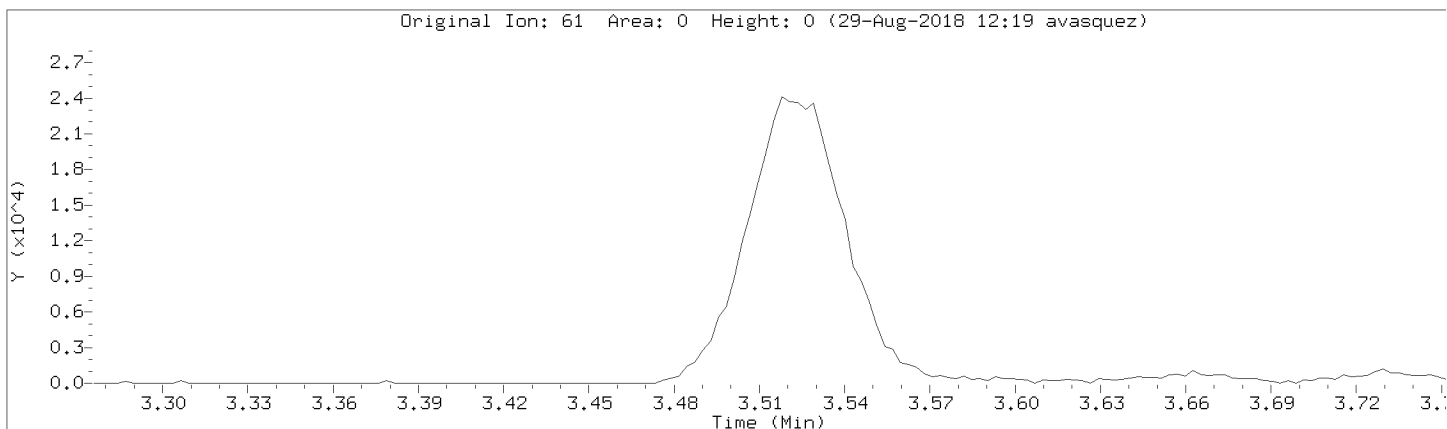


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Injection Date: 29-AUG-2018 07:16
Instrument: 50mv2a.i
Lab Sample ID: 2118713

Compound: 1,1,1-Trichloroethane Review Code: NI
CAS Number: 71-55-6



Data File: \\192.168.50.6\chem\50mv2a.i\a082818.b/c24.d
Injection Date: 29-AUG-2018 07:16
Instrument: 50mv2a.i
Lab Sample ID: 2118713



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

SAMPLE NO.

MSD

Lab Name: Pace Analytical - Indiana
 Date Received: 08/23/2018 15:40
 Date Extracted: 08/29/2018 07:40
 Date Analyzed: 08/29/2018 07:40
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA289-LA293
 Matrix: Water SDG No.: 50204113
 Lab Sample ID: 2118714
 Lab File ID: A082818.B\C25.D
 Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	247	
107-02-8	Acrolein	784	
71-43-2	Benzene	48.0	
75-27-4	Bromodichloromethane	44.0	
75-25-2	Bromoform	40.6	
74-83-9	Bromomethane	33.1	
78-93-3	2-Butanone (MEK)	249	
104-51-8	n-Butylbenzene	45.6	
135-98-8	sec-Butylbenzene	47.5	
98-06-6	tert-Butylbenzene	41.4	
75-15-0	Carbon disulfide	34.0	
56-23-5	Carbon tetrachloride	6.1	
108-90-7	Chlorobenzene	47.9	
75-00-3	Chloroethane	35.4	
67-66-3	Chloroform	43.7	
74-87-3	Chloromethane	10.1	
106-93-4	1,2-Dibromoethane (EDB)	47.6	
74-95-3	Dibromomethane	50.1	
95-50-1	1,2-Dichlorobenzene	47.0	
541-73-1	1,3-Dichlorobenzene	47.3	
106-46-7	1,4-Dichlorobenzene	46.3	
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	46.2	
107-06-2	1,2-Dichloroethane	44.3	
75-35-4	1,1-Dichloroethene	40.6	
156-59-2	cis-1,2-Dichloroethene	46.3	
156-60-5	trans-1,2-Dichloroethene	45.1	
78-87-5	1,2-Dichloropropane	48.6	
10061-01-5	cis-1,3-Dichloropropene	42.8	
10061-02-6	trans-1,3-Dichloropropene	40.1	
100-41-4	Ethylbenzene	48.2	
591-78-6	2-Hexanone	202	
98-82-8	Isopropylbenzene (Cumene)	46.1	
99-87-6	p-Isopropyltoluene	48.8	
75-09-2	Methylene Chloride	44.5	
108-10-1	4-Methyl-2-pentanone (MIBK)	209	
1634-04-4	Methyl-tert-butyl ether	45.9	

08/30/2018 10:41

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

SAMPLE NO.

MSD

Lab Name: Pace Analytical - Indiana
 Date Received: 08/23/2018 15:40
 Date Extracted: 08/29/2018 07:40
 Date Analyzed: 08/29/2018 07:40
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: LA289-LA293
 Matrix: Water SDG No.: 50204113
 Lab Sample ID: 2118714
 Lab File ID: A082818.B\C25.D
 Instrument: 50MV2A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
91-20-3	Naphthalene	47.2	
103-65-1	n-Propylbenzene	48.7	
100-42-5	Styrene	47.7	
630-20-6	1,1,1,2-Tetrachloroethane	44.6	
79-34-5	1,1,2,2-Tetrachloroethane	41.9	
127-18-4	Tetrachloroethene	45.3	
108-88-3	Toluene	44.0	
120-82-1	1,2,4-Trichlorobenzene	45.9	
71-55-6	1,1,1-Trichloroethane	49.4	
79-00-5	1,1,2-Trichloroethane	47.4	
79-01-6	Trichloroethene	46.9	
75-69-4	Trichlorofluoromethane	35.4	
95-63-6	1,2,4-Trimethylbenzene	45.3	
108-67-8	1,3,5-Trimethylbenzene	44.5	
108-05-4	Vinyl acetate	99.2	
75-01-4	Vinyl chloride	18.0	
179601-23-1	m&p-Xylene	93.0	
95-47-6	o-Xylene	48.7	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a082818.b\c25.d
 Lab Smp Id: 2118714 Client Smp ID: LA291MSD
 Inj Date : 29-AUG-2018 07:40
 Operator : amv Inst ID: 50mv2a.i
 Smp Info : 2118714,184314:5
 Misc Info : 117690
 Comment :
 Method : \\192.168.50.6\chem\50mv2a.i\a082818.b\ -a8260_a_c.m
 Meth Date : 29-Aug-2018 12:20 50mv2a.i Quant Type: ISTD
 Cal Date : 22-AUG-2018 18:07 Cal File: a09cal.d
 Als bottle: 51 QC Sample: MSD
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: RC10A
 Processing Host: 50-VOA-AMV1

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 MASS	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ppb)	FINAL (ppb)	
1 Dichlorodifluoromethane	85		0.924	0.927	(0.212)	4424	1.98665	1.99 (R)	
2 Chloromethane	50		1.027	1.033	(0.236)	14849	10.1111	10.1 (R)	
3 Vinyl Chloride	62		1.069	1.069	(0.245)	35568	18.0290	18.0 (R)	
4 Bromomethane	94		1.228	1.228	(0.282)	20091	33.0903	33.1	
5 Chloroethane	64		1.275	1.275	(0.292)	35937	35.4118	35.4	
6 Trichlorofluoromethane	101		1.400	1.400	(0.321)	82883	35.3885	35.4 (R)	
7 Diethyl ether	74		1.536	1.539	(0.352)	39367	40.5237	40.5	
8 1,2-dichlorotrifluoroethane	67		1.536	1.534	(0.352)	90913	55.2648	55.3	
9 Acrolein	56		1.612	1.612	(0.370)	293532	783.698	784	
10 1,1,2trichlorotrifluoroethane	101		1.664	1.664	(0.382)	68841	45.3970	45.4	
11 1,1-Dichloroethene	96		1.670	1.673	(0.383)	61940	40.5736	40.6	
12 Acetone	43		1.692	1.692	(0.388)	106913	247.097	247	
13 Iodomethane	142		1.767	1.767	(0.405)	76625	44.5540	44.6	
14 Carbon Disulfide	76		1.812	1.815	(0.416)	153635	34.0463	34.0	
15 Methyl Acetate	43		1.692	1.692	(0.388)	106913	49.0331	49.0	
16 Acetonitrile	39		1.879	1.881	(0.431)	172630	35.5454	35.5	
17 allyl chloride	41		1.879	1.879	(0.431)	274777	85.8937	85.9	
18 Methylene Chloride	84		1.954	1.957	(0.448)	65993	44.4539	44.4	
19 tert-Butyl Alcohol	59		2.004	2.001	(0.460)	13228	96.0844	96.1	
20 Acrylonitrile	53		2.112	2.112	(0.484)	123236	180.485	180	
21 Methyl-tert-butyl ether	73		2.132	2.132	(0.489)	215384	45.8872	45.9	
22 1,2-Dichloroethene (trans)	96		2.137	2.140	(0.490)	75380	45.0516	45.0	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ppb)	FINAL (ppb)	
23 n-Hexane	57	2.332	2.332	(0.535)	119663	36.6808	36.7	
24 Vinyl Acetate	43	2.482	2.482	(0.569)	515773	99.2499	99.2 (R)	
25 1,1-Dichloroethane	63	2.449	2.452	(0.562)	146605	46.1741	46.2	
26 Chloroprene	53	2.527	2.527	(0.580)	154806	42.9252	42.9	
27 Ethyl acetate	88	2.527	2.527	(0.580)	72241	395.586	396 (Q)	
28 2-Butanone	72	2.980	2.980	(0.684)	38250	249.229	249 (Q)	
29 1,2-Dichloroethene (cis)	96	2.969	2.969	(0.681)	85677	46.3305	46.3	
30 2,2-Dichloropropane	77	2.969	2.967	(0.681)	91041	33.1657	33.2	
31 Propionitrile	54	3.050	3.047	(0.700)	10272	45.8233	45.8	
32 Methacrylonitrile	41	3.209	3.211	(0.736)	238799	195.053	195 (M)	NI
33 Bromochloromethane	49	3.217	3.217	(0.738)	64755	44.0385	44.0	
34 Tetrahydrofuran	42	3.270	3.270	(0.750)	26919	45.5715	45.6	
35 Chloroform	83	3.306	3.309	(0.758)	137994	43.6753	43.7	
\$ 36 Dibromofluoromethane (S)	113	3.495	3.501	(0.802)	76431	50.7374	50.7	
37 1,1,1-Trichloroethane	97	3.523	3.520	(0.808)	134799	49.4164	49.4	
38 cyclohexane	56	3.584	3.587	(0.822)	136567	36.5310	36.5	
150 n-butyl chloride	56	3.584	3.587	(0.822)	140978	31.7197	31.7	
39 Carbon Tetrachloride	117	3.520	3.726	(0.807)	14990	6.12639	6.13 (R)	
40 1,1-Dichloropropene	75	3.732	3.734	(0.856)	109856	47.7106	47.7	
41 Benzene	78	3.999	4.002	(0.917)	314897	48.0073	48.0	
42 1,2-Dichloroethane	62	4.032	4.029	(0.925)	106594	44.2933	44.3	
43 2,2,4-Trimethylpentane	57	4.116	4.116	(0.944)	370840	48.7791	48.8 (Q)	
44 Isobutyl alcohol	43	3.921	3.932	(0.899)	15906	316.928	317	
* 45 Fluorobenzene	96	4.360	4.360	(1.000)	337300	50.0000		
47 Trichloroethene	95	4.806	4.803	(1.102)	83849	46.9141	46.9	
48 Methylcyclohexane	55	5.020	5.020	(1.151)	130856	41.5921	41.6	
49 1,2-Dichloropropane	63	5.067	5.067	(1.162)	84595	48.5990	48.6	
50 1,4-Dioxane	88	5.245	5.245	(1.203)	6636	1242.66	1240	
51 Dibromomethane	93	5.195	5.198	(1.191)	45780	50.1416	50.1	
52 Methyl methacrylate	69	5.251	5.245	(1.204)	57812	43.9297	43.9 (Q)	
53 Bromodichloromethane	83	5.395	5.398	(1.237)	104969	43.9778	44.0	
55 cis-1,3-Dichloropropene	75	5.905	5.905	(0.783)	124908	42.8169	42.8	
56 4-Methyl-2-Pentanone	43	6.096	6.097	(0.809)	472272	209.121	209 (R)	
\$ 57 Toluene-d8	98	6.186	6.188	(0.820)	322942	48.1537	48.2	
58 Toluene	91	6.258	6.261	(0.830)	363283	44.0499	44.0	
59 trans-1,3-Dichloropropene	75	6.514	6.514	(0.864)	109594	40.0971	40.1	
60 Ethyl Methacrylate	69	6.633	6.631	(0.880)	446092	175.744	176	
61 1,1,2-Trichloroethane	83	6.686	6.686	(0.887)	57276	47.4195	47.4	
62 Tetrachloroethene	166	6.806	6.806	(0.903)	100225	45.2646	45.3	
63 1,3-Dichloropropane	76	6.839	6.842	(0.907)	123463	45.9148	45.9	
64 2-Hexanone	43	6.945	6.948	(0.921)	322270	202.305	202	
65 Dibromochloromethane	129	7.045	7.045	(0.934)	82167	45.5418	45.5	
66 1,2-Dibromoethane	107	7.134	7.134	(0.946)	71658	47.6346	47.6	
* 67 Chlorobenzene-d5	117	7.540	7.541	(1.000)	274299	50.0000		
68 Chlorobenzene	112	7.566	7.566	(1.003)	228423	47.9401	47.9	
69 1,1,1,2-Tetrachloroethane	131	7.638	7.641	(1.013)	82213	44.5614	44.6	
70 Ethylbenzene	106	7.666	7.666	(1.017)	133663	48.1963	48.2	
71 m&p-Xylene	106	7.760	7.763	(1.029)	320825	93.0122	93.0	
72 o-Xylene	106	8.069	8.069	(1.070)	153610	48.7319	48.7	
73 Styrene	104	8.083	8.083	(1.072)	255533	47.6856	47.7	
74 Bromoform	173	8.219	8.219	(0.887)	52521	40.5686	40.6	
75 Isopropylbenzene	105	8.353	8.353	(1.108)	416179	46.1059	46.1	
\$ 76 4-Bromofluorobenzene	95	8.461	8.461	(1.122)	129485	50.4365	50.4	
77 n-amyl acetate	70	8.239	8.242	(1.093)	175440	135.865	136	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ppb)	FINAL (ppb)	
78 Bromobenzene	77	8.564	8.564	(1.136)	144624	45.8550	45.8	
79 1,1,2,2-Tetrachloroethane	83	8.578	8.578	(0.926)	86605	41.8976	41.9	
80 trans-1,4-Dichloro-2-butene	53	8.617	8.617	(1.143)	94075	127.409	127 (Q)	
81 1,2,3-Trichloropropane	110	8.603	8.603	(0.928)	28857	44.5700	44.6 (Q)	
82 n-Propylbenzene	91	8.651	8.651	(0.933)	501548	48.7205	48.7	
83 2-Chlorotoluene	91	8.706	8.709	(0.939)	278446	49.4272	49.4	
84 1,3,5-Trimethylbenzene	105	8.776	8.776	(0.947)	316383	44.5005	44.5	
85 4-Chlorotoluene	126	8.787	8.787	(0.948)	94961	48.4077	48.4	
86 tert-Butylbenzene	119	9.001	9.001	(0.971)	341536	41.3683	41.4	
87 1,2,4-Trimethylbenzene	105	9.032	9.035	(0.974)	321948	45.2762	45.3	
88 sec-Butylbenzene	105	9.151	9.149	(0.987)	435841	47.4677	47.5	
89 1,3-Dichlorobenzene	146	9.224	9.224	(0.995)	183244	47.3258	47.3	
90 p-Isopropyltoluene	119	9.246	9.246	(0.998)	375122	48.7956	48.8	
* 91 1,4-Dichlorobenzene-d4	152	9.268	9.268	(1.000)	143032	50.0000		
92 1,4-Dichlorobenzene	146	9.285	9.285	(1.002)	180268	46.3070	46.3	
93 n-Butylbenzene	91	9.516	9.516	(1.027)	329945	45.6030	45.6	
94 1,2-Dichlorobenzene	146	9.530	9.530	(1.028)	162643	47.0079	47.0	
95 1,2-Dibromo-3-chloropropane	155	10.033	10.033	(1.083)	15804	45.2242	45.2	
96 1,2,4-Trichlorobenzene	180	10.545	10.545	(1.138)	113941	45.8738	45.9	
97 Hexachlorobutadiene	225	10.643	10.640	(1.148)	61709	47.9558	48.0	
98 Naphthalene	128	10.701	10.698	(1.155)	272318	47.2156	47.2	
99 1,2,3-Trichlorobenzene	180	10.846	10.843	(1.170)	100848	45.1870	45.2	
100 2-methyl-naphthalene	142	11.422	11.419	(1.232)	136789	46.1888	46.2	
101 1-Methylnaphthalene	142	11.558	11.555	(1.247)	117054	49.0832	49.1	

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

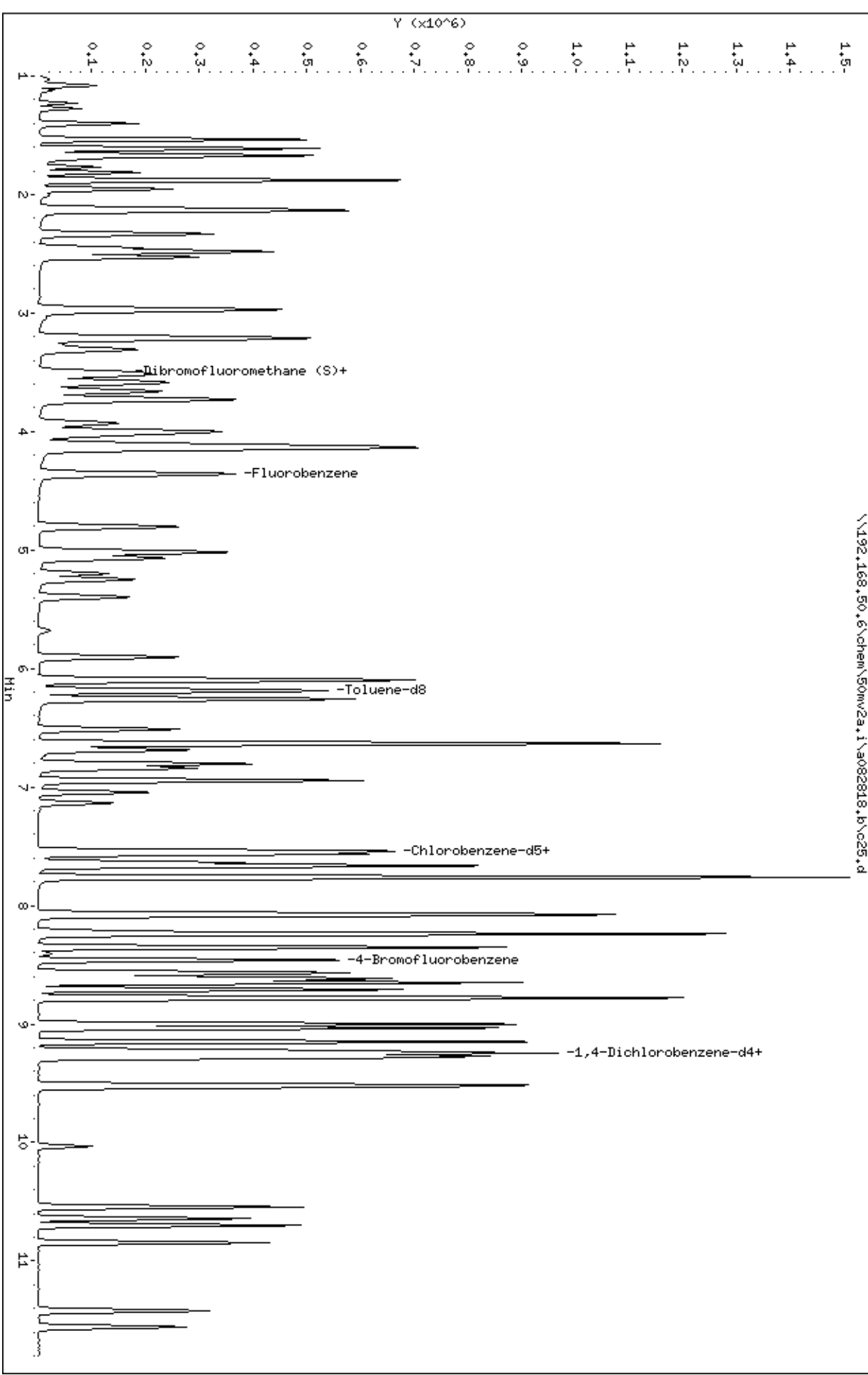
Review Codes Legend

:
 NI: Indicates that the peak was not integrated at all by the computer software.

Data File: \\192.168.50.6\chem\50mw2a.1\9082818.b\c25.d
Date: 29-AUG-2018 07:40
Client ID: LA291MSD
Sample Info: 2118714,184314:5
Purge Volume: 5.0
Column phase: DB-624

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

\\192.168.50.6\chem\50mw2a.1\9082818.b\c25.d



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

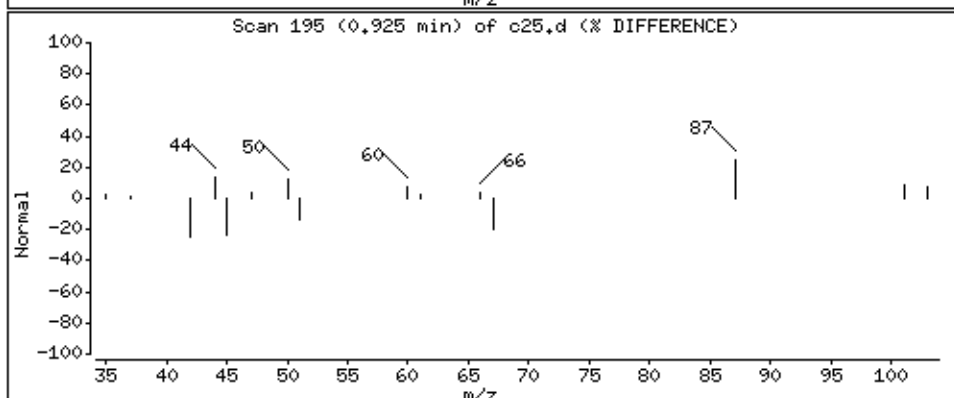
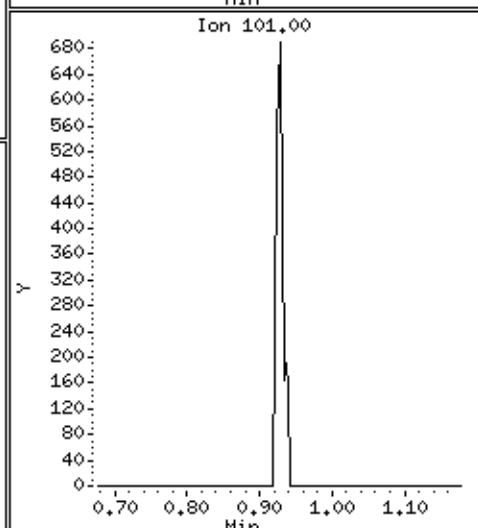
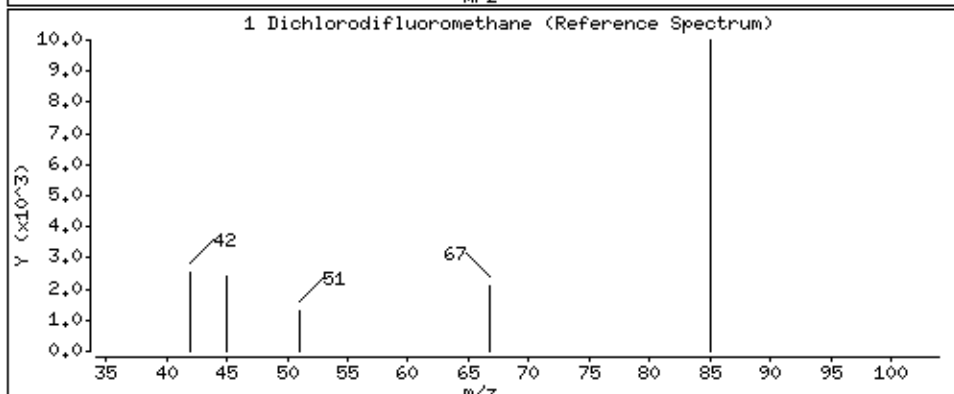
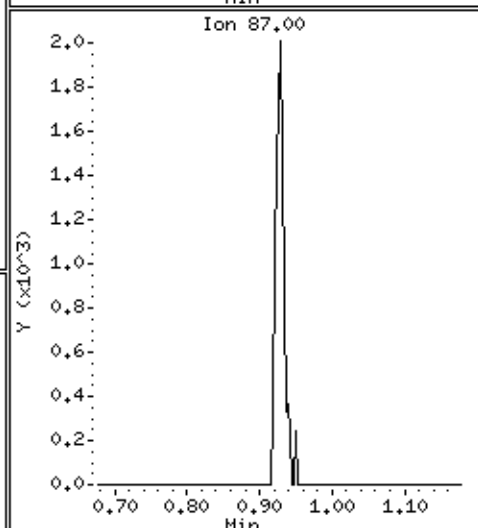
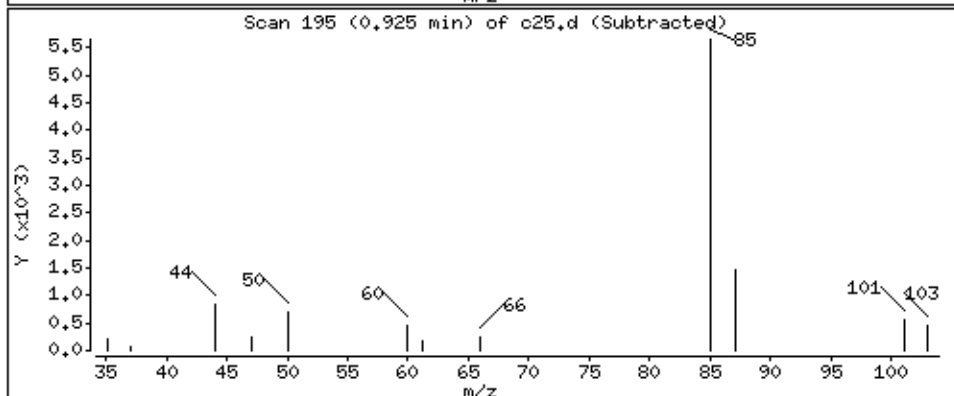
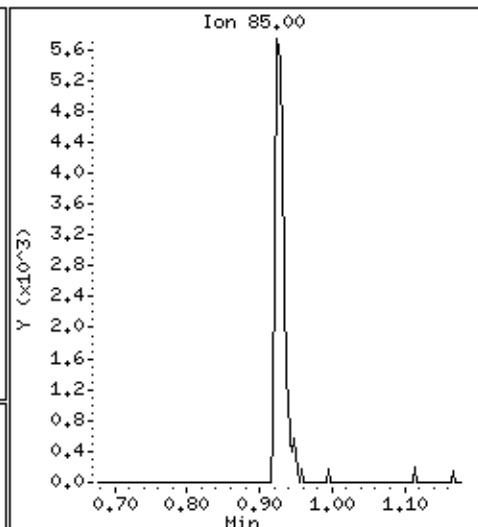
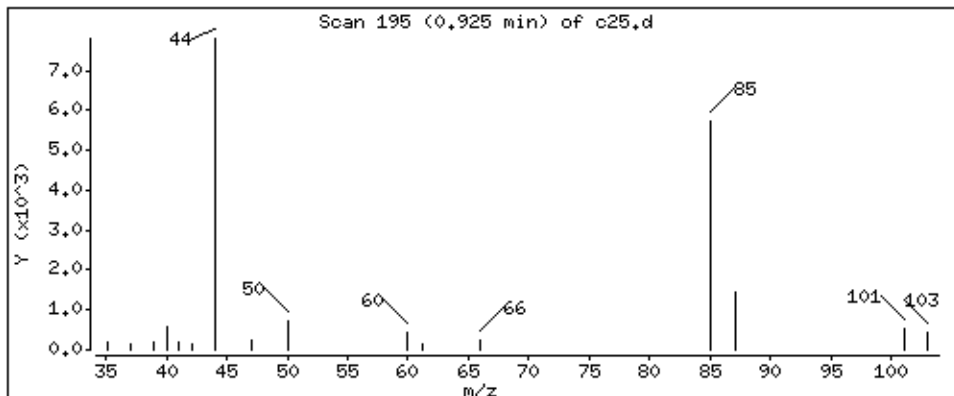
Operator: amv

Column phase: DB-624

Column diameter: 0,18

1 Dichlorodifluoromethane

Concentration: 1,99 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

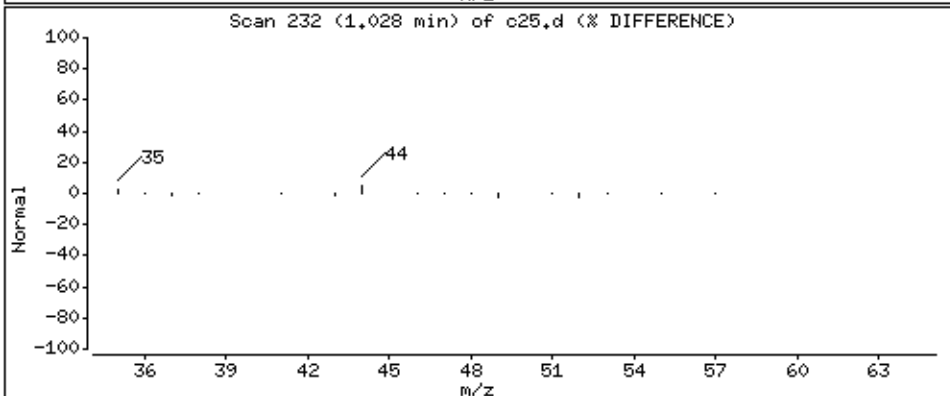
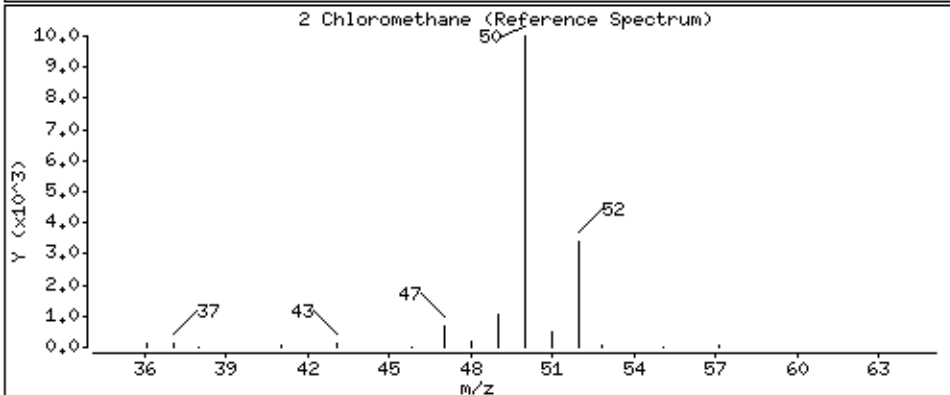
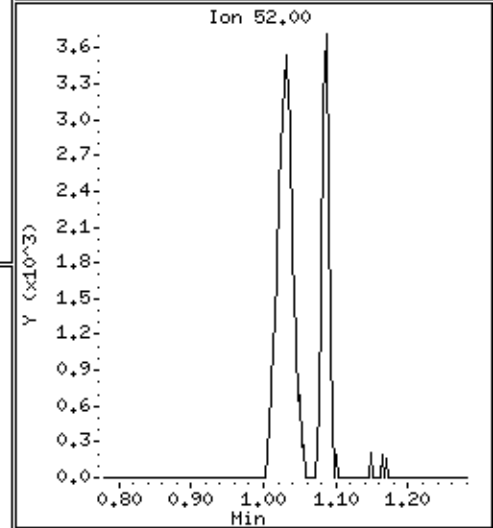
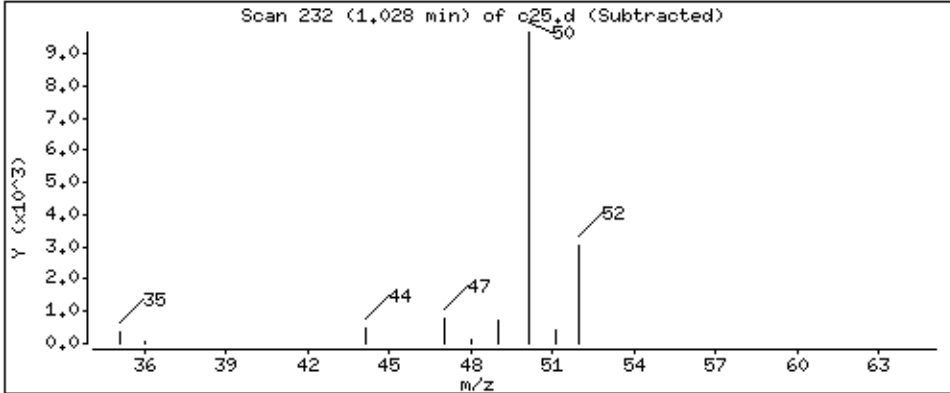
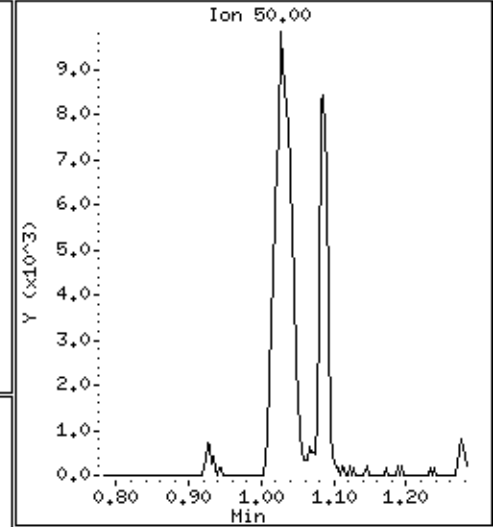
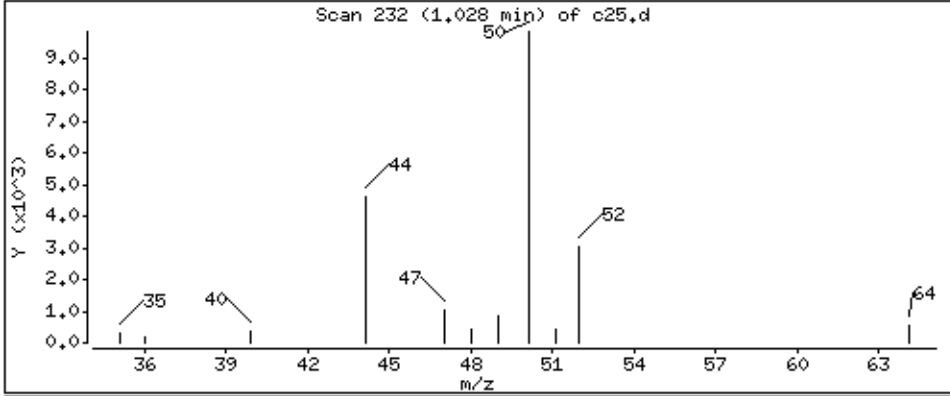
Operator: amv

Column phase: DB-624

Column diameter: 0,18

2 Chloromethane

Concentration: 10,1 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

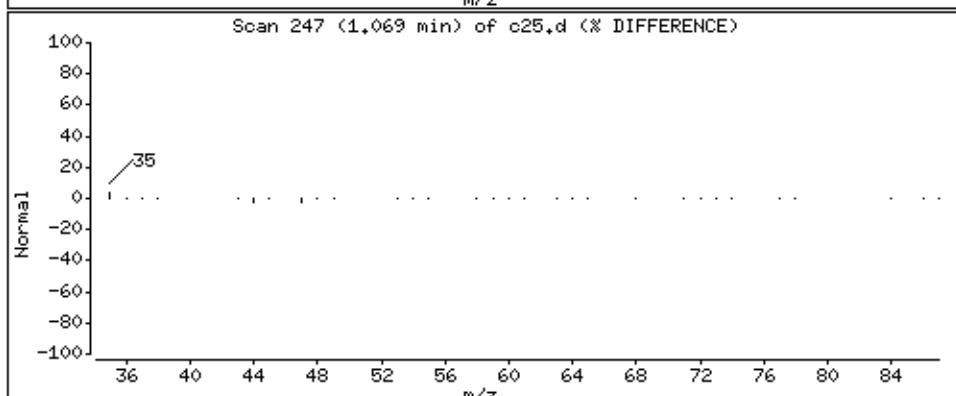
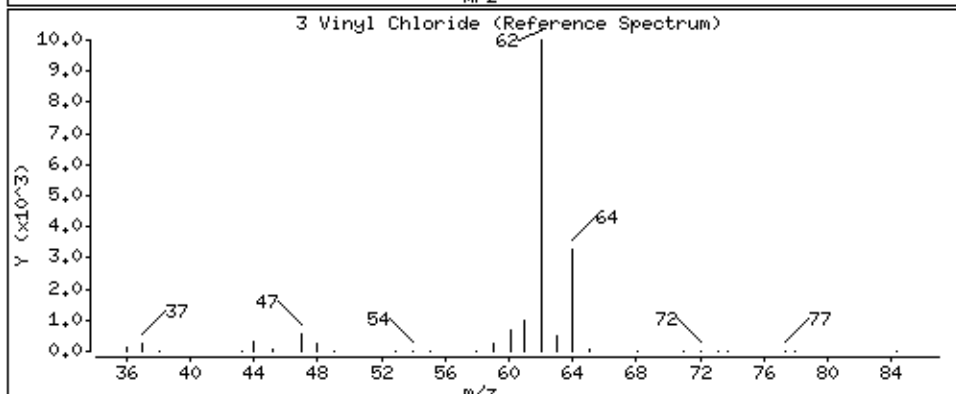
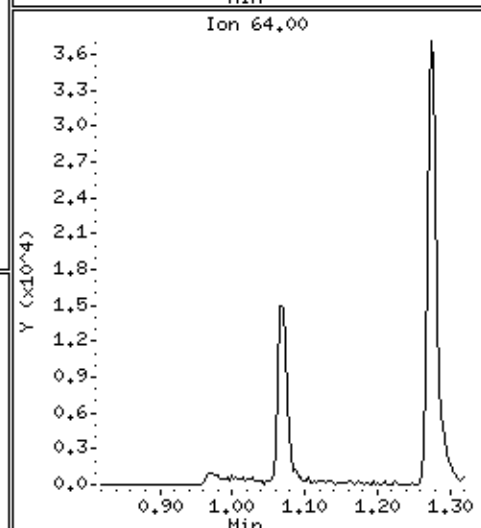
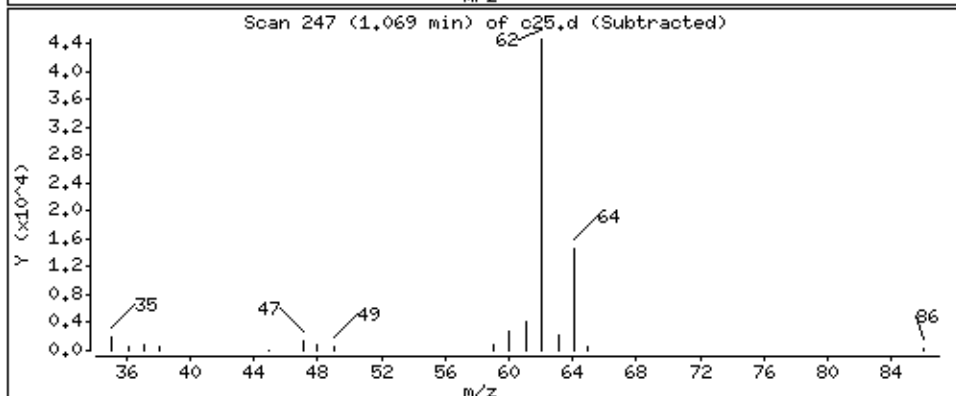
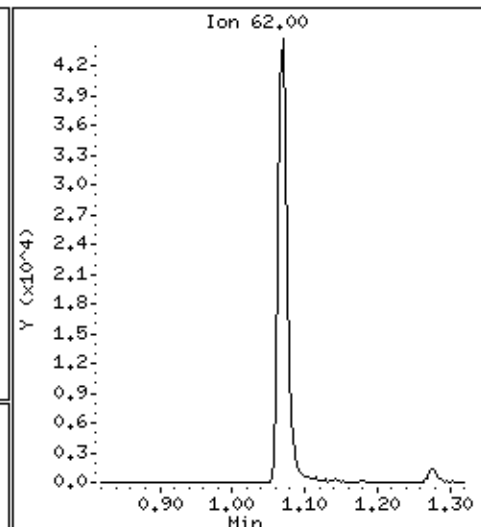
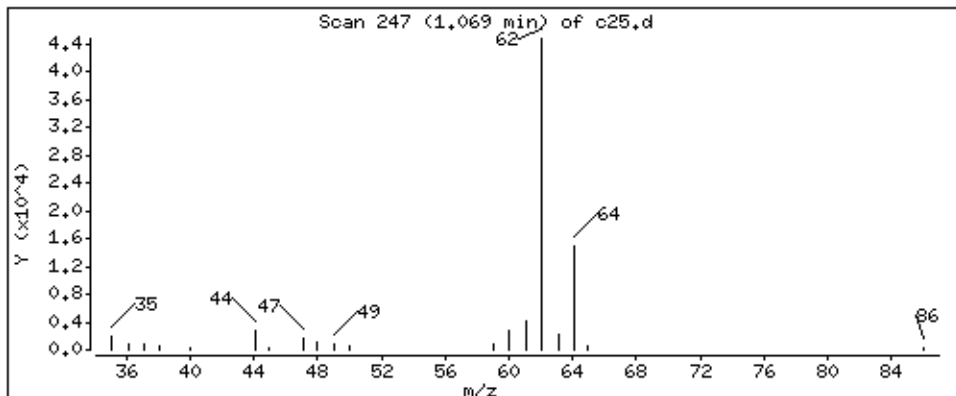
Operator: amv

Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 18,0 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

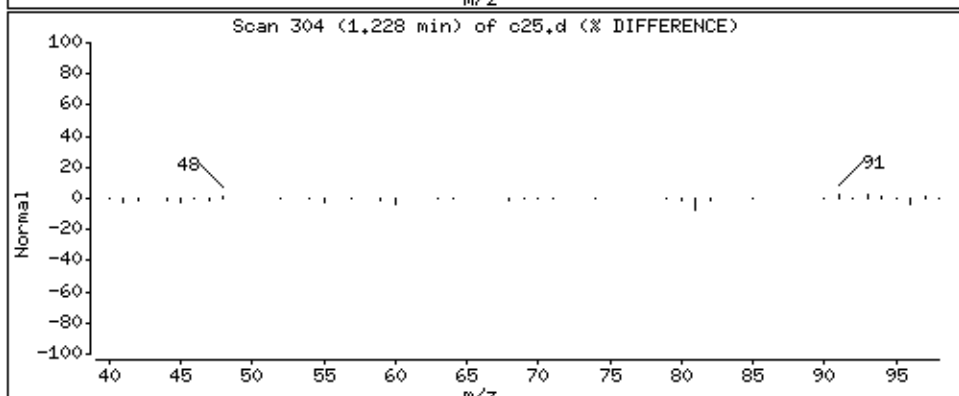
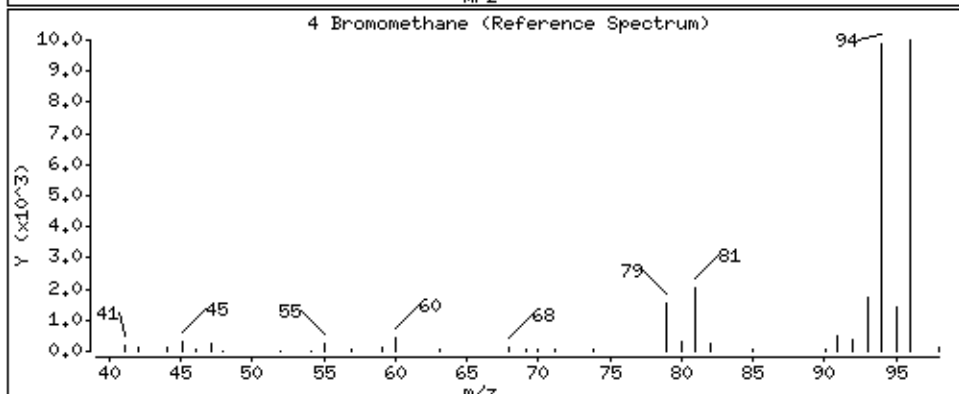
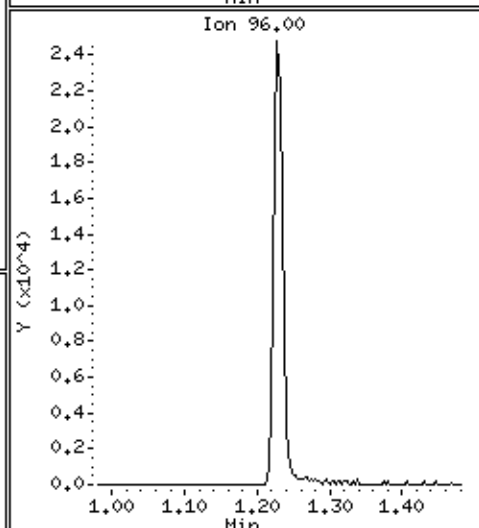
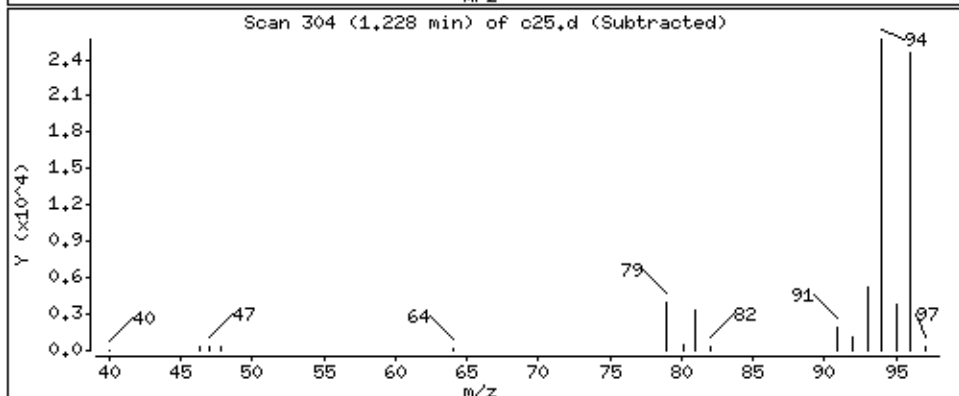
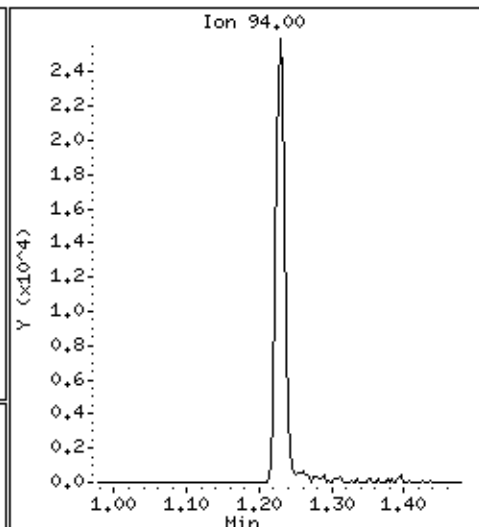
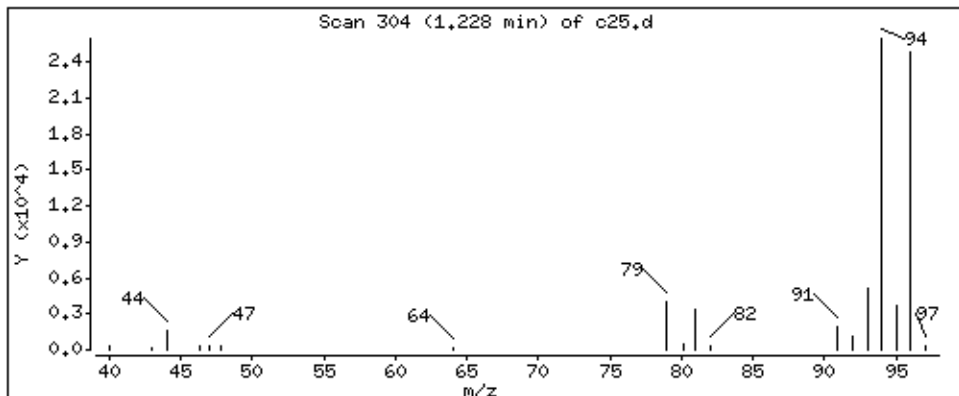
Operator: amv

Column phase: DB-624

Column diameter: 0,18

4 Bromomethane

Concentration: 33,1 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

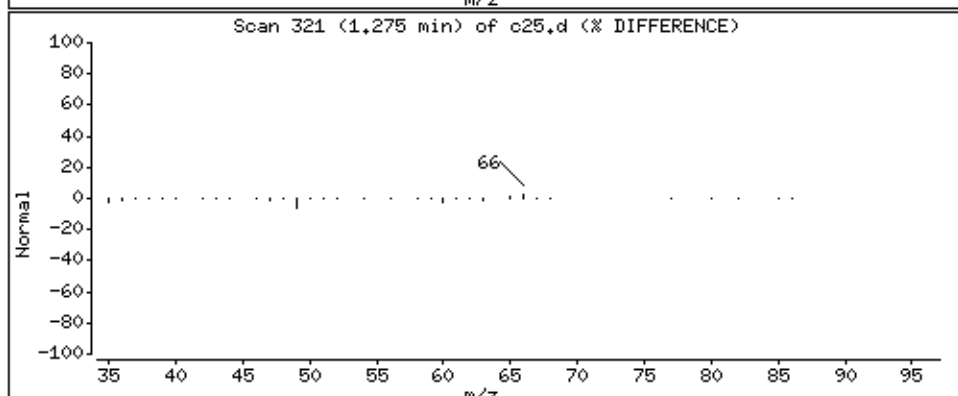
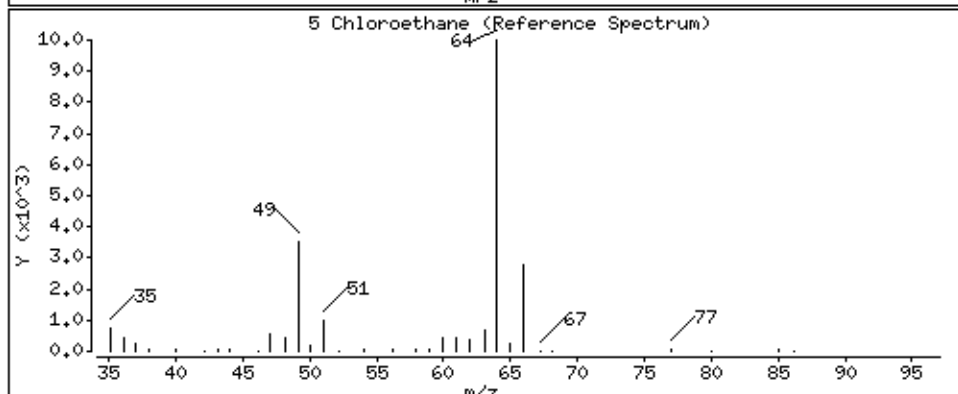
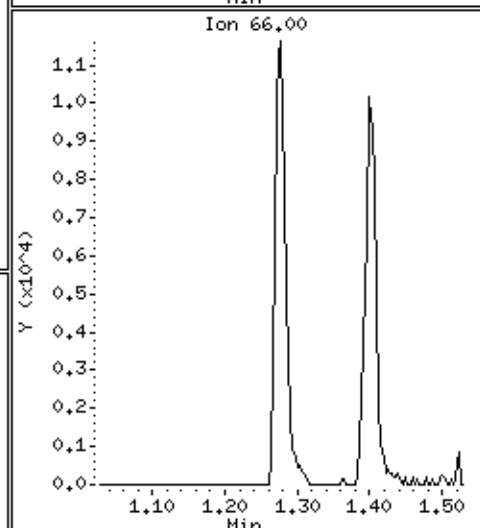
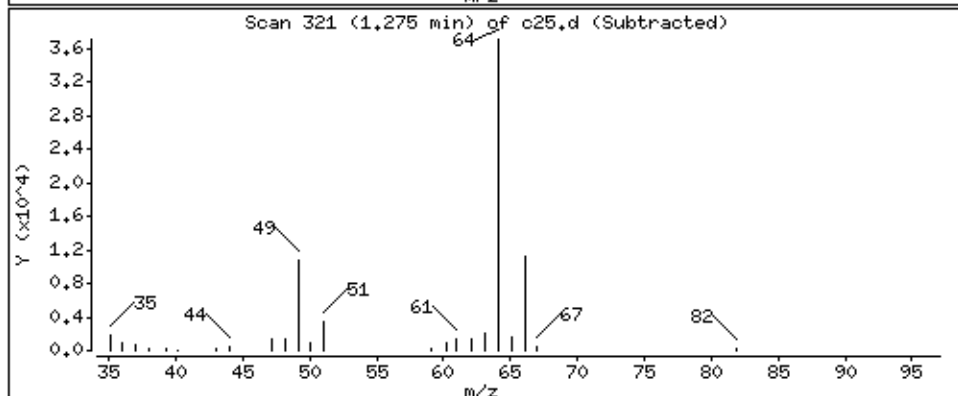
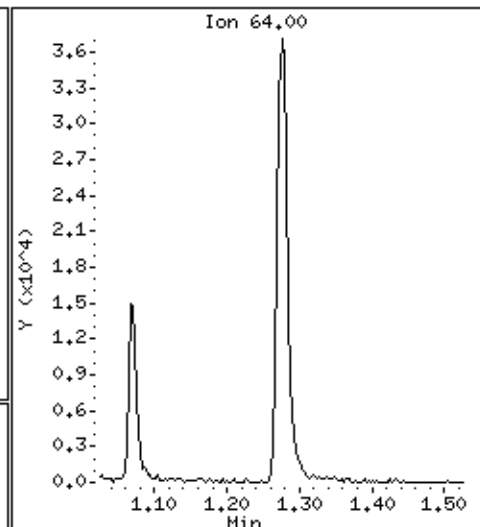
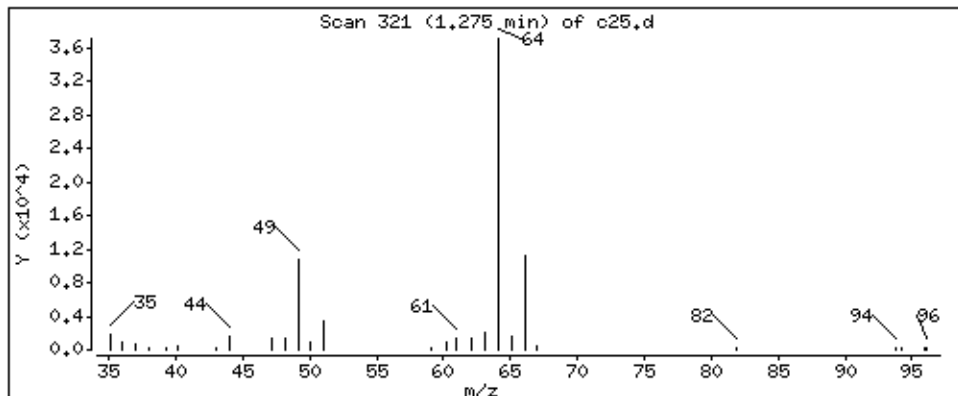
Operator: amv

Column phase: DB-624

Column diameter: 0,18

5 Chloroethane

Concentration: 35,4 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

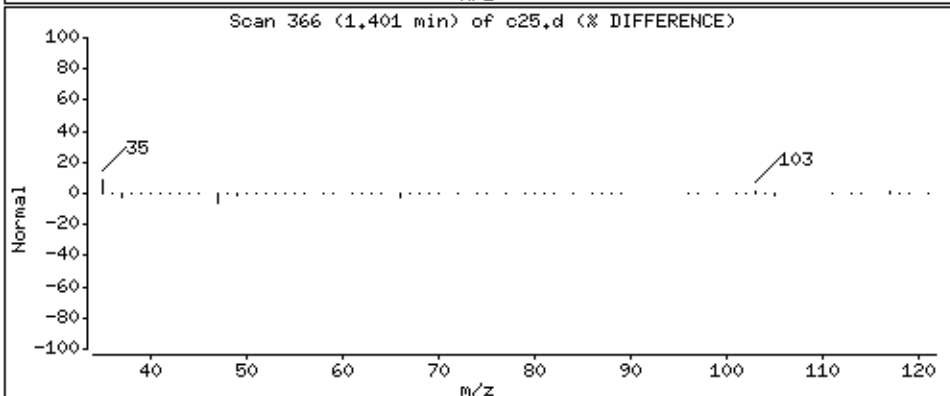
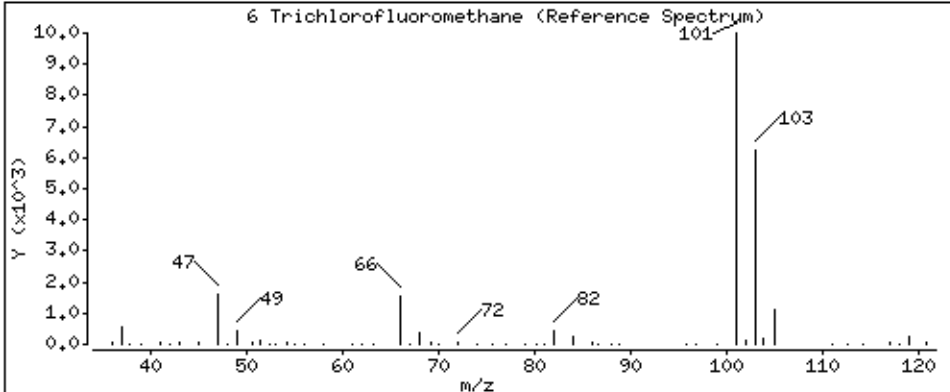
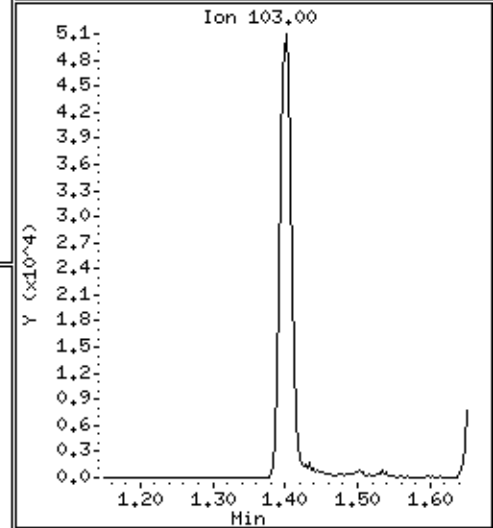
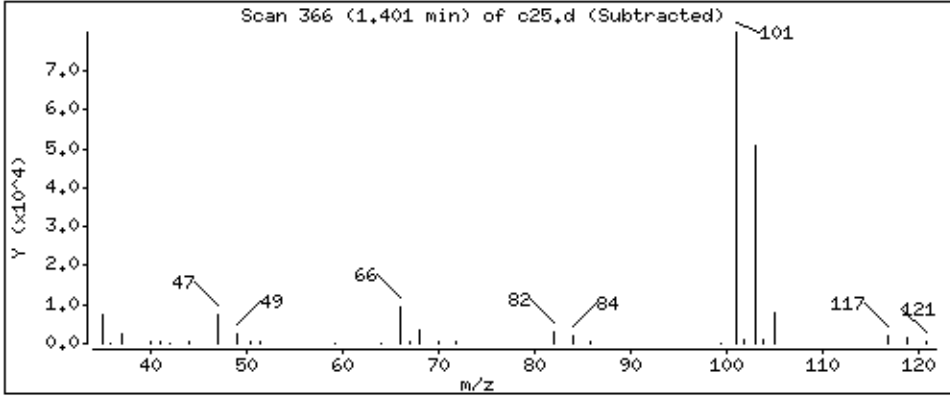
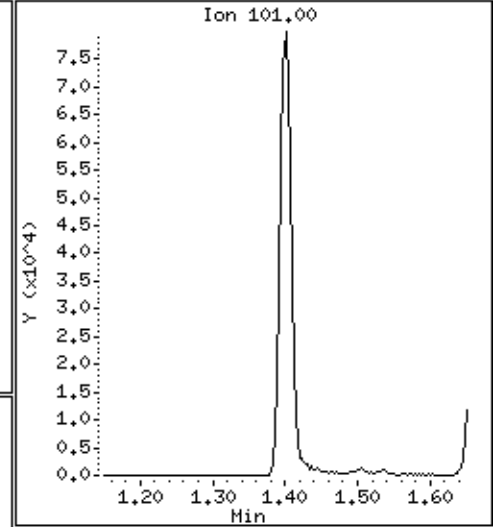
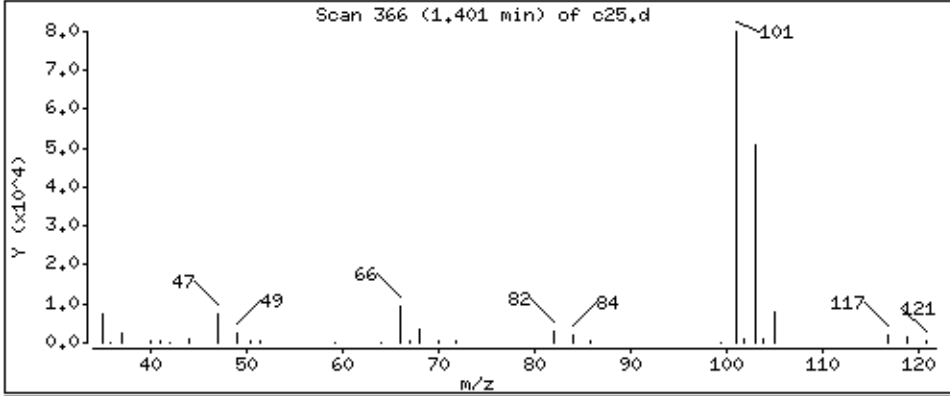
Operator: amv

Column phase: DB-624

Column diameter: 0,18

6 Trichlorofluoromethane

Concentration: 35,4 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

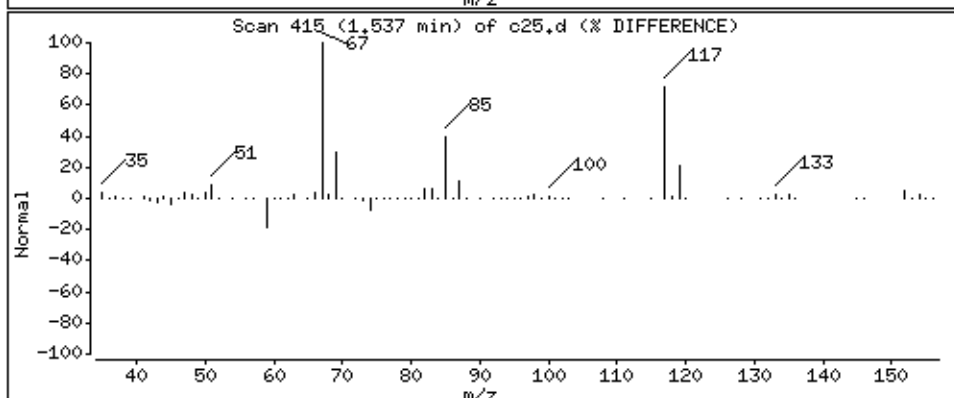
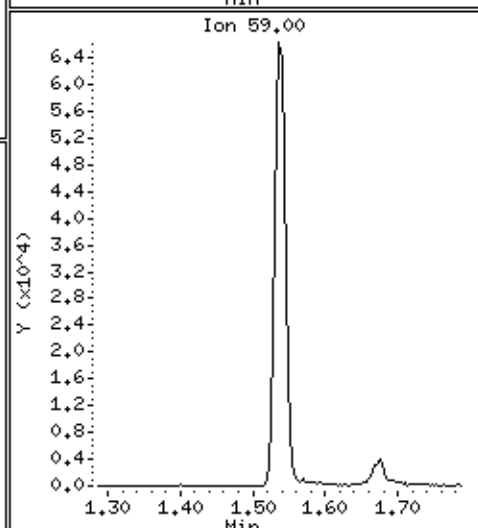
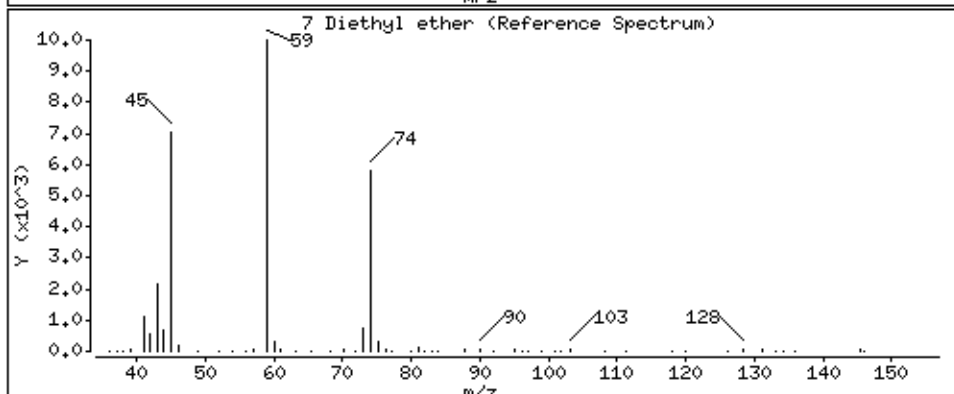
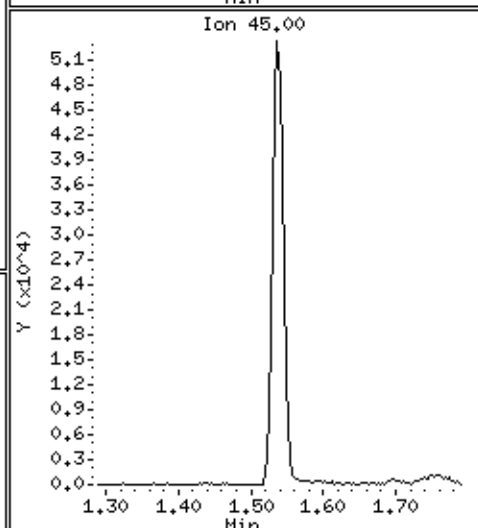
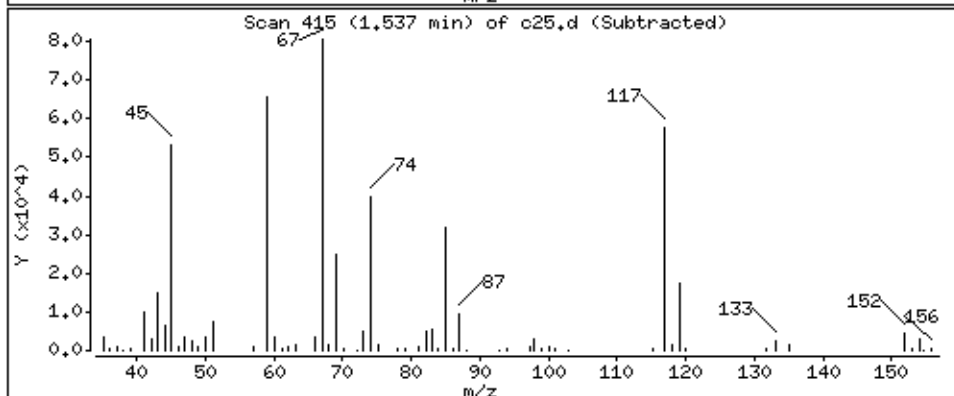
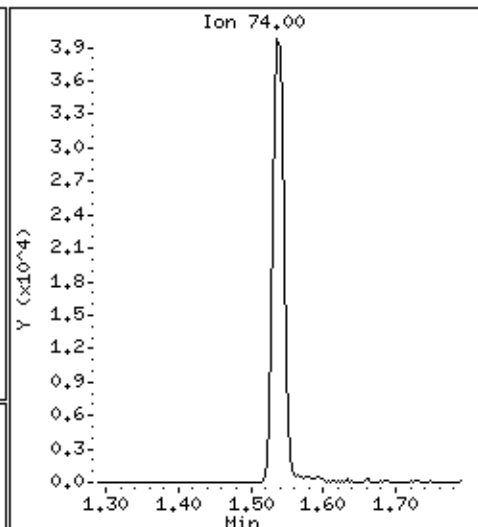
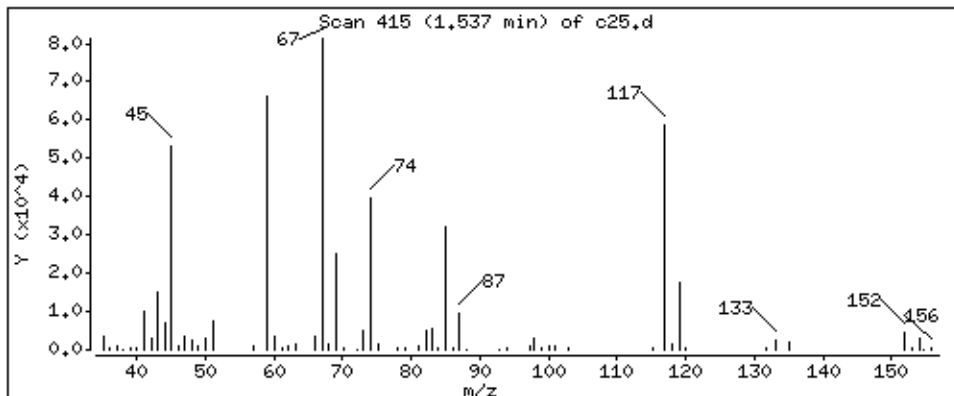
Operator: amv

Column phase: DB-624

Column diameter: 0,18

7 Diethyl ether

Concentration: 40,5 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

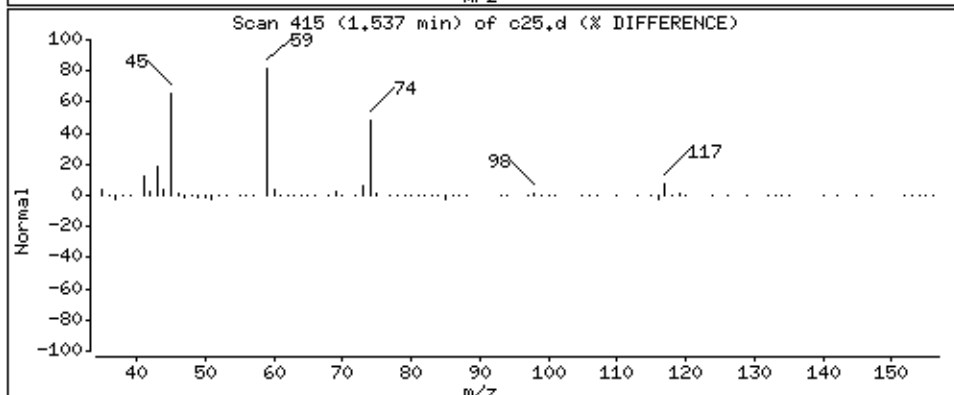
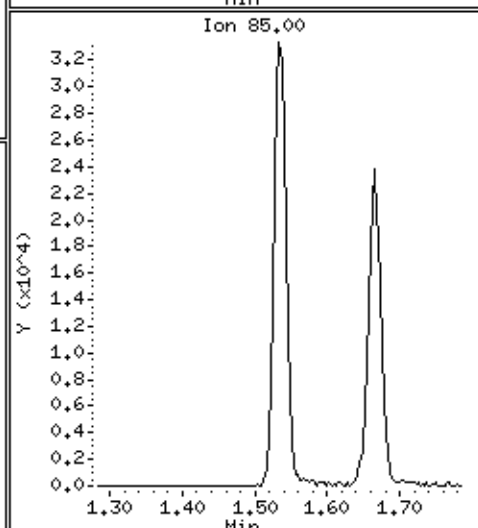
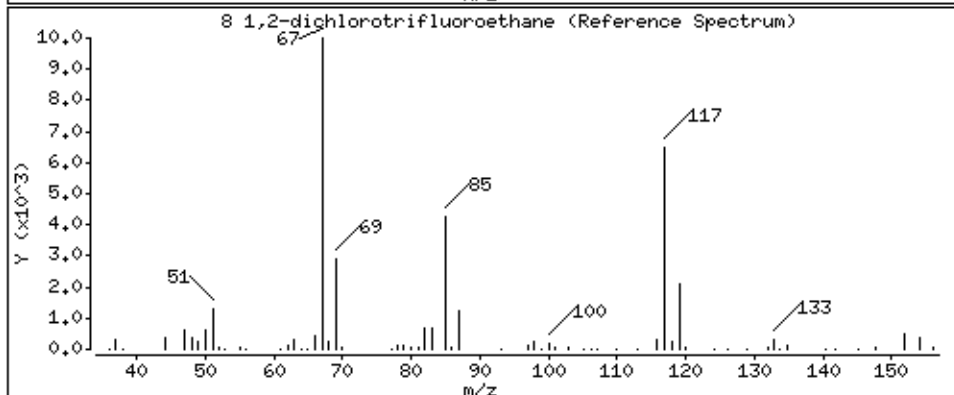
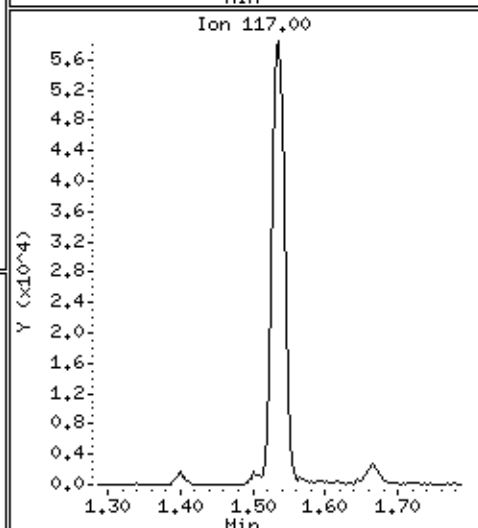
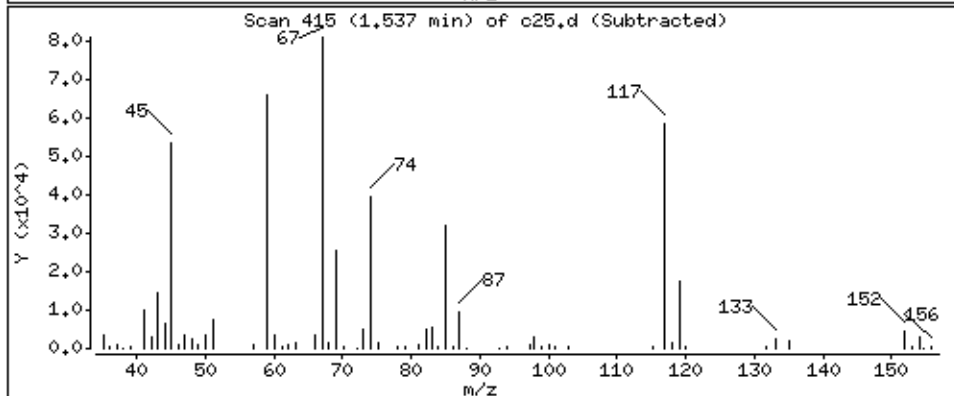
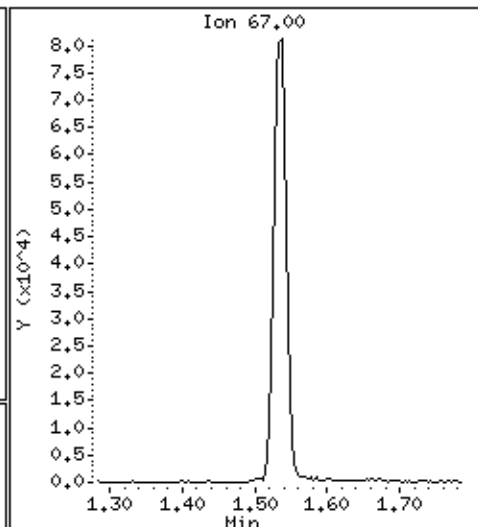
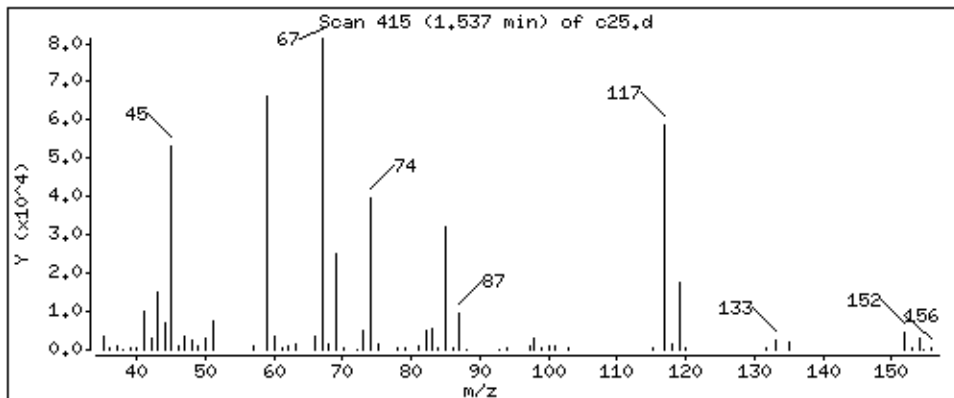
Operator: amv

Column phase: DB-624

Column diameter: 0,18

8 1,2-dichlorotrifluoroethane

Concentration: 55,3 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

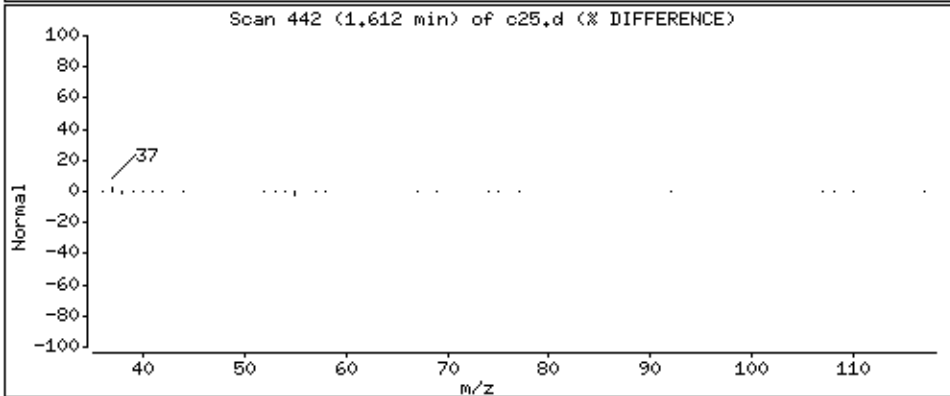
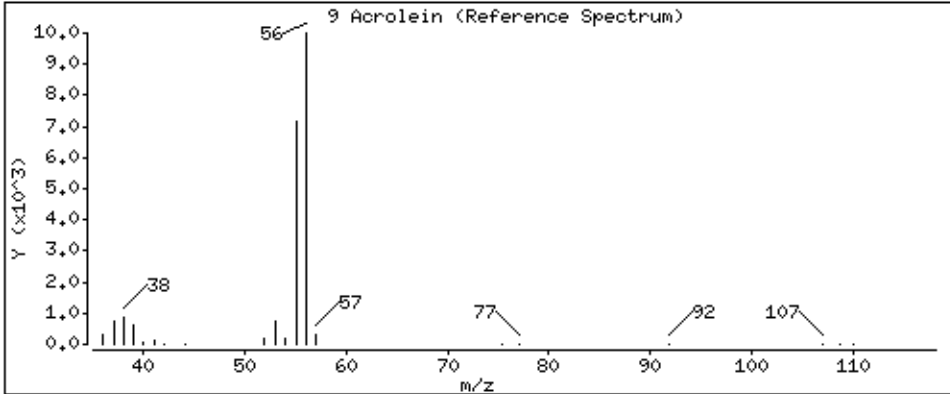
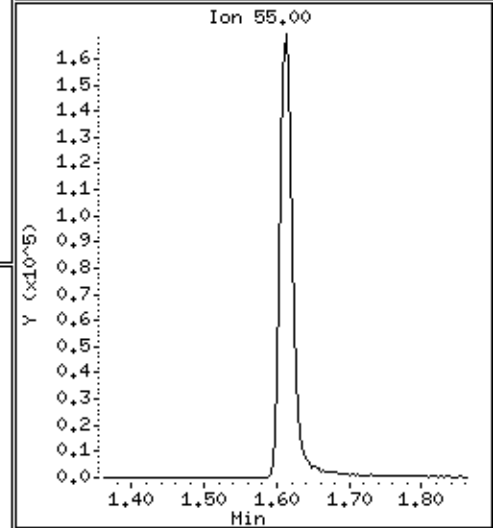
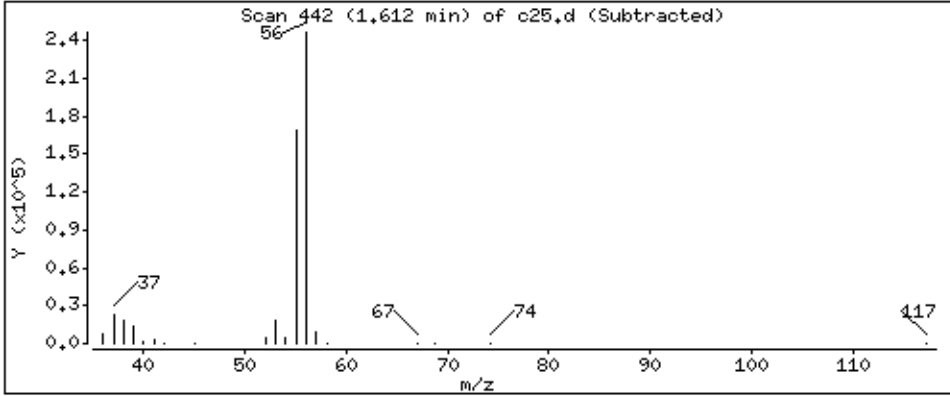
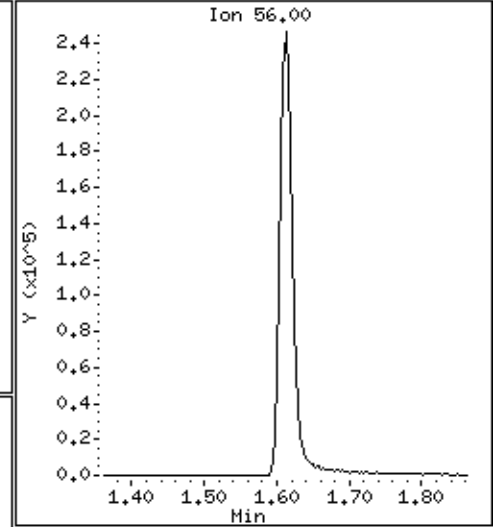
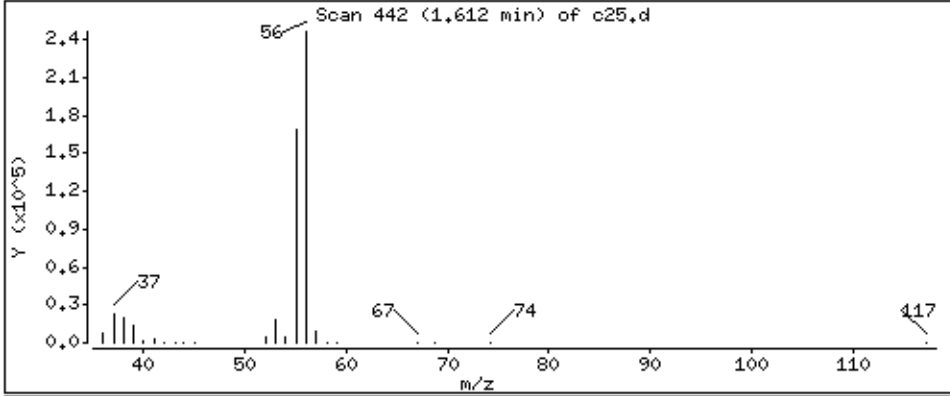
Operator: amv

Column phase: DB-624

Column diameter: 0.18

9 Acrolein

Concentration: 784 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

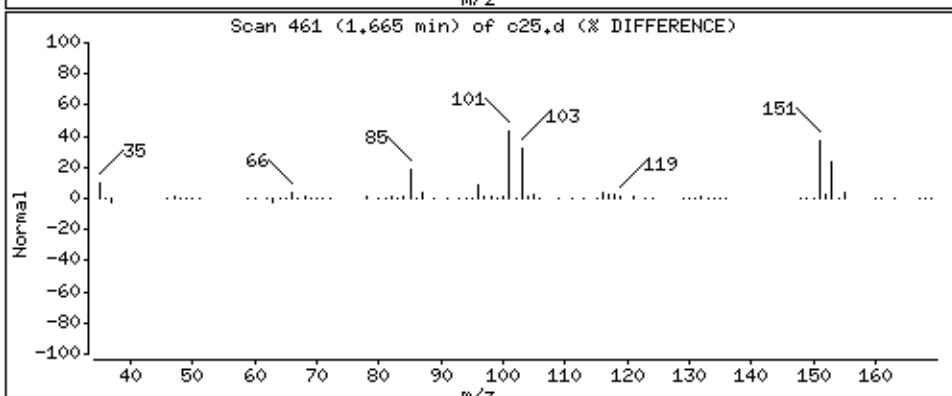
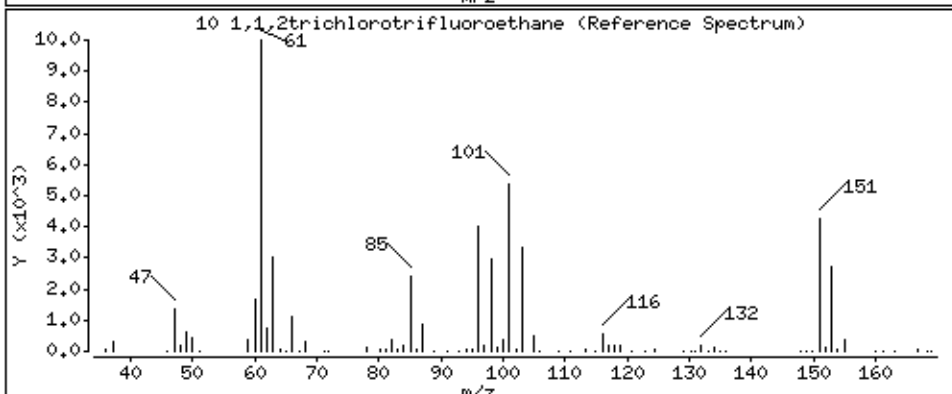
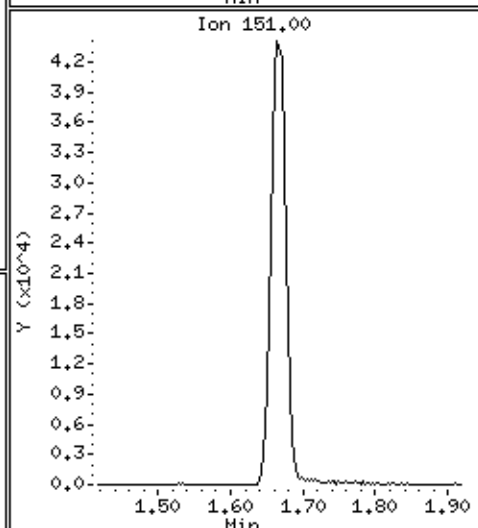
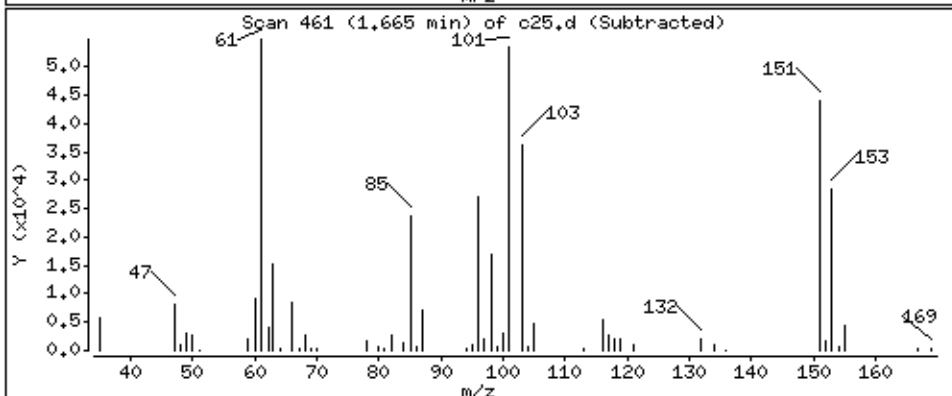
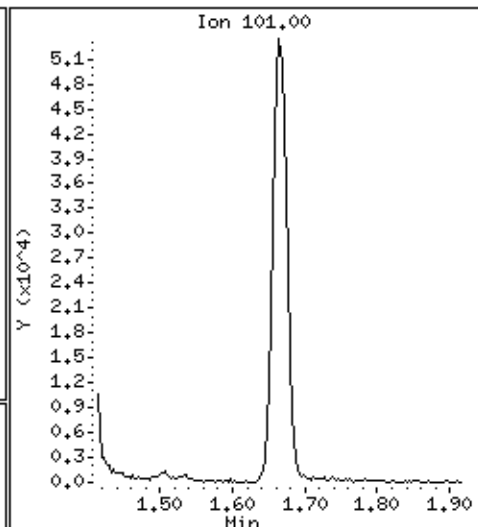
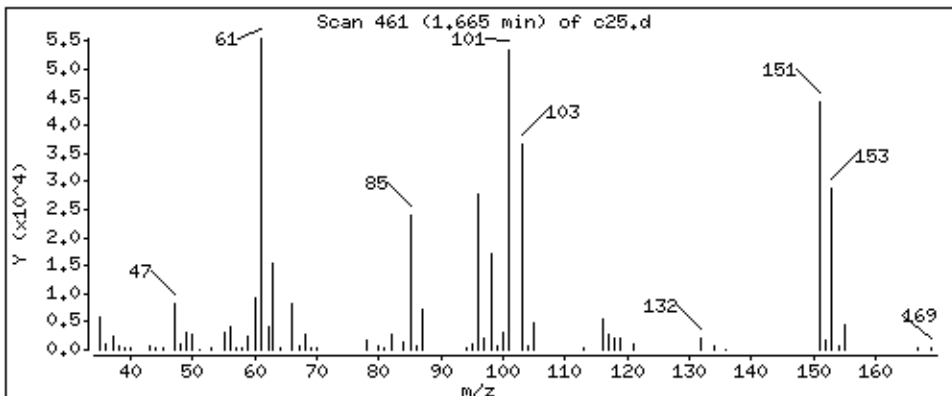
Operator: amv

Column phase: DB-624

Column diameter: 0,18

10 1,1,2trichlorotrifluoroethane

Concentration: 45,4 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

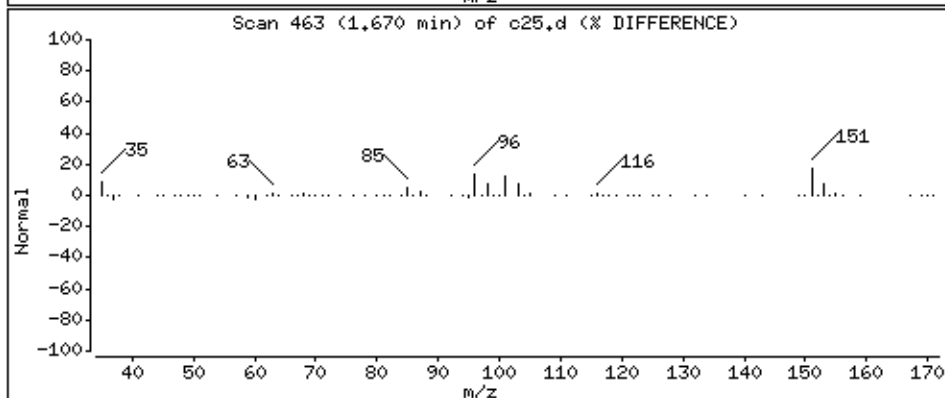
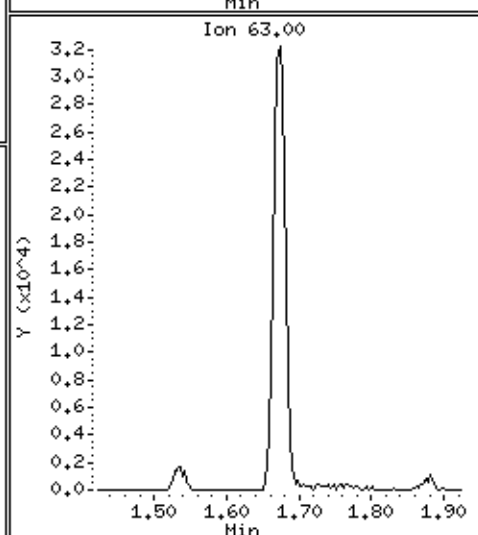
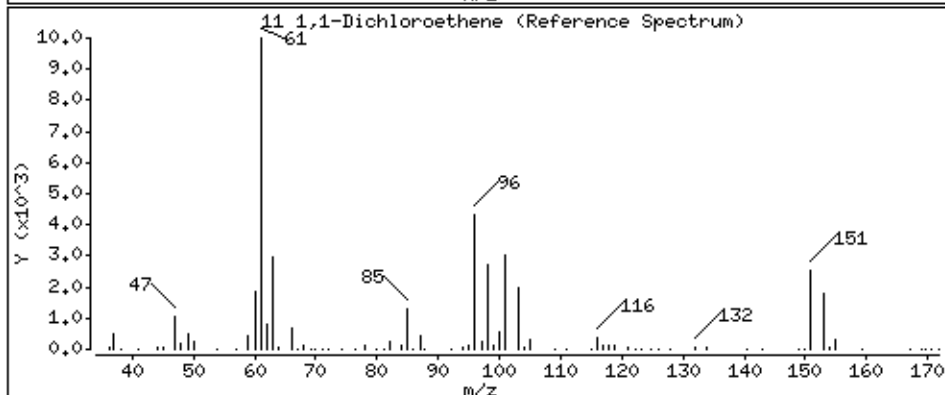
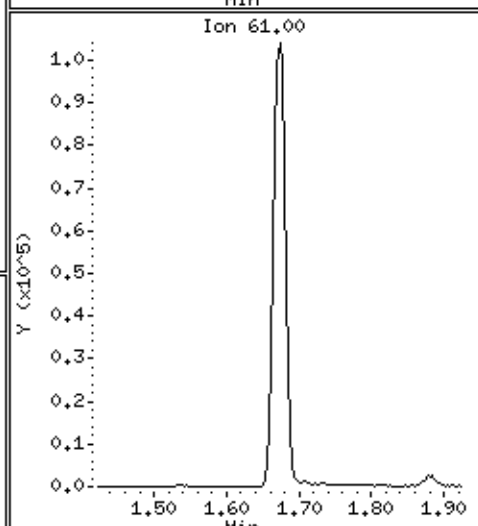
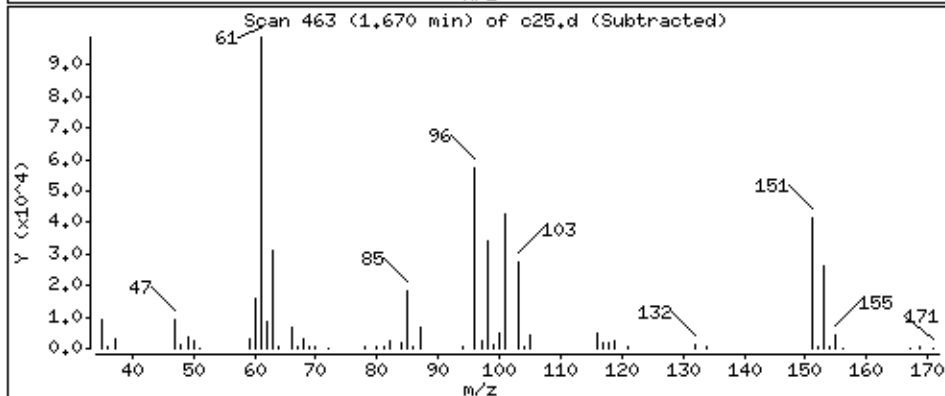
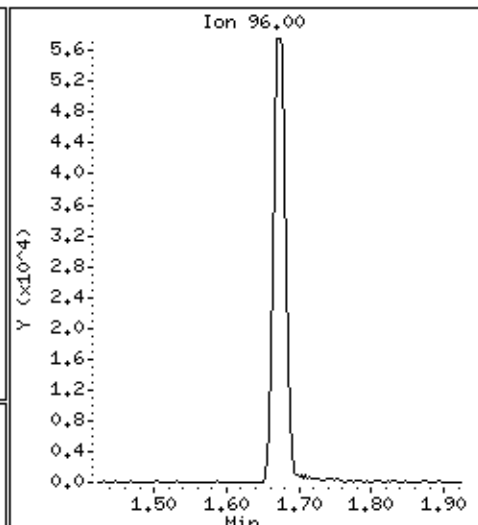
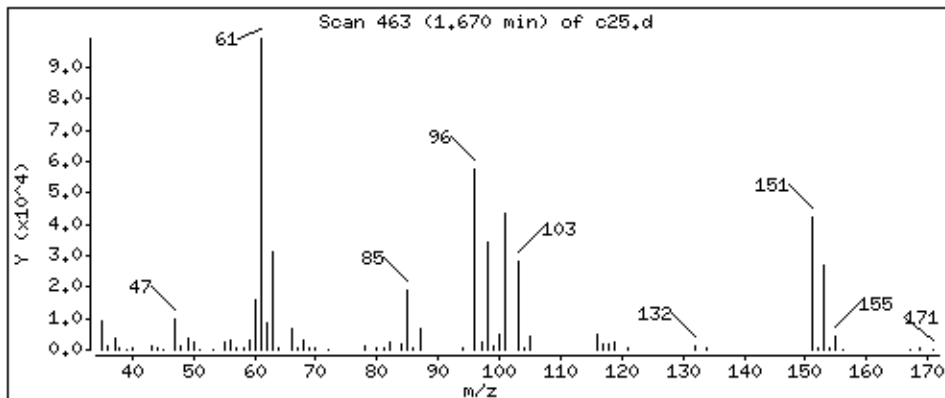
Operator: amv

Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 40,6 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

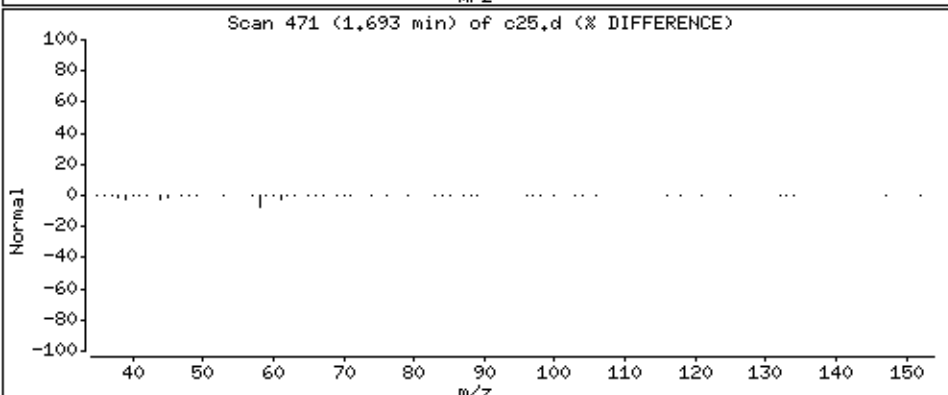
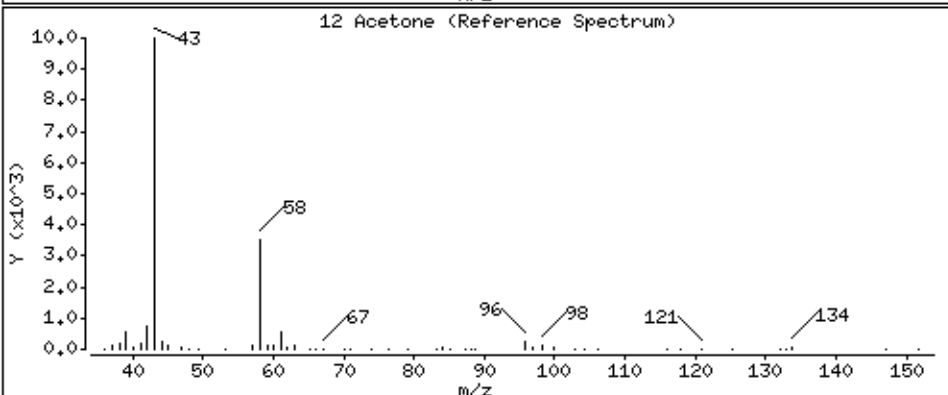
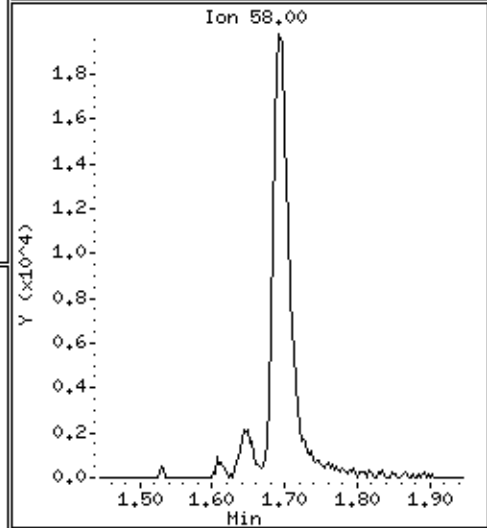
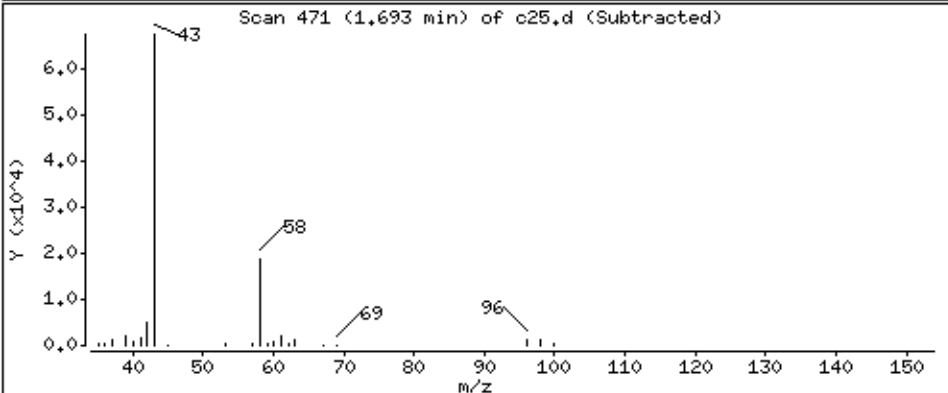
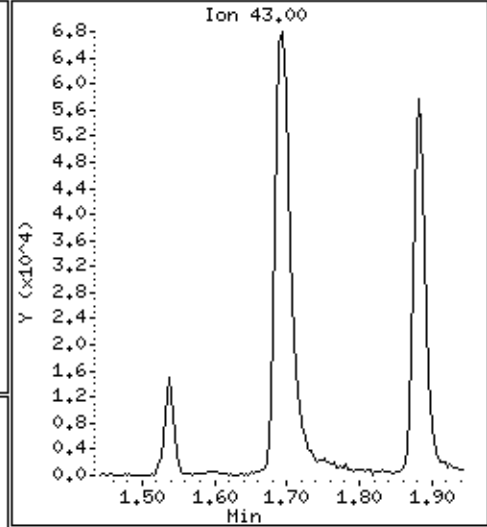
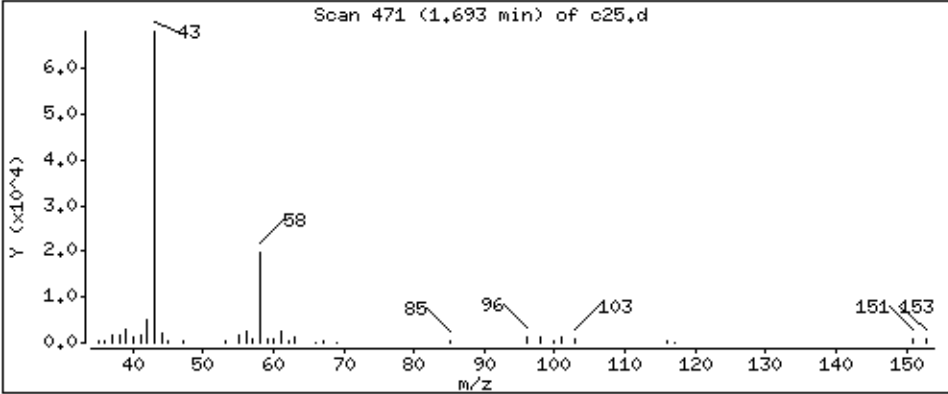
Operator: amv

Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 247 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

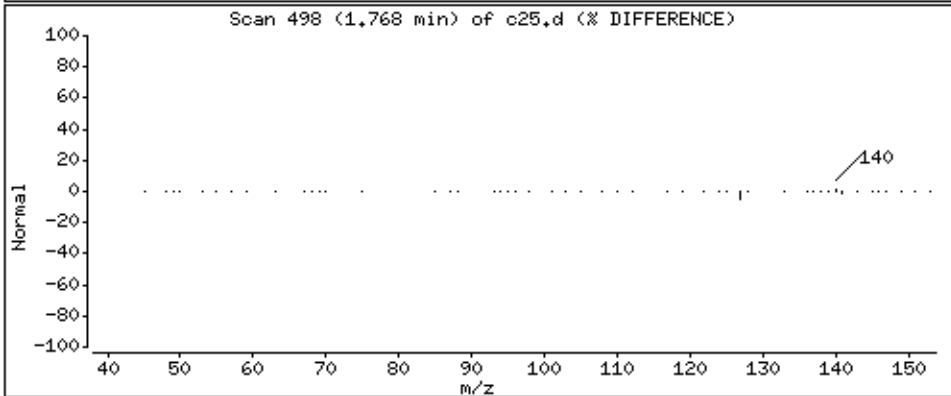
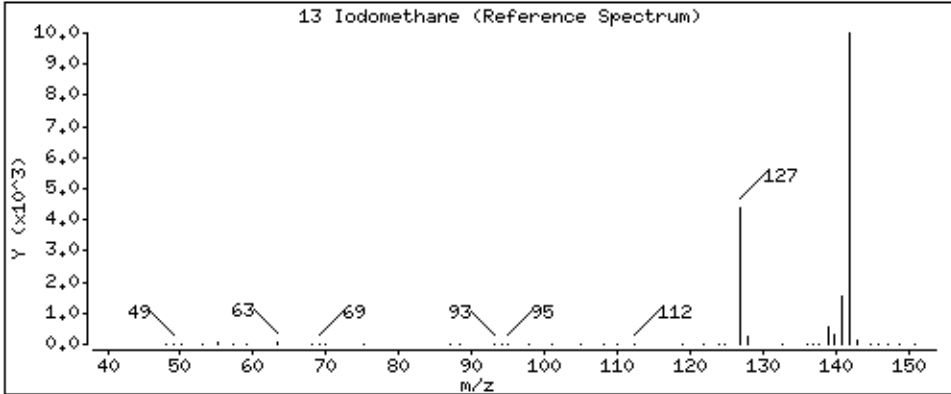
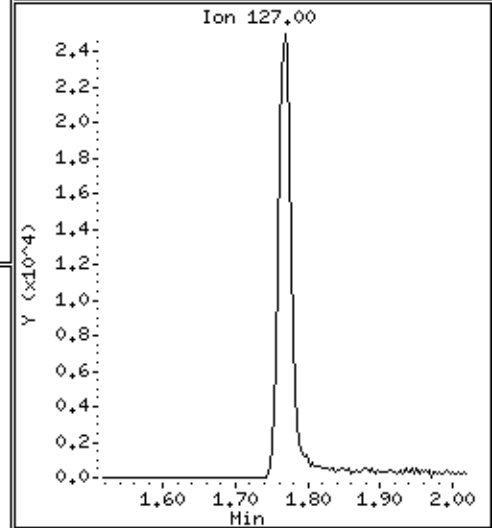
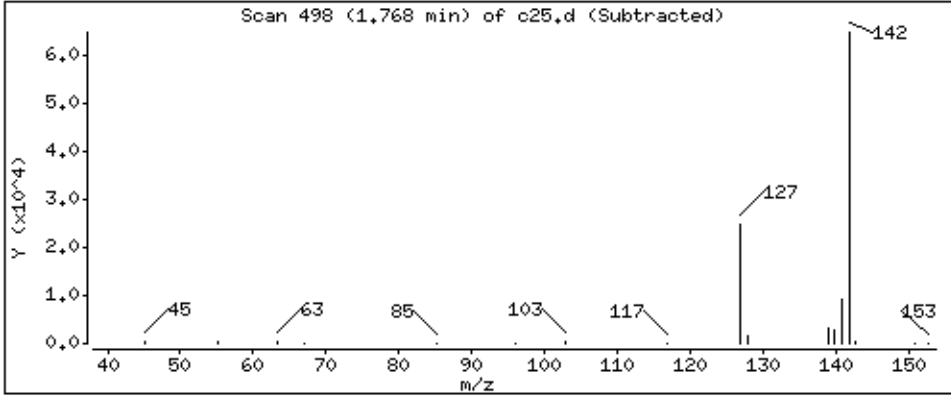
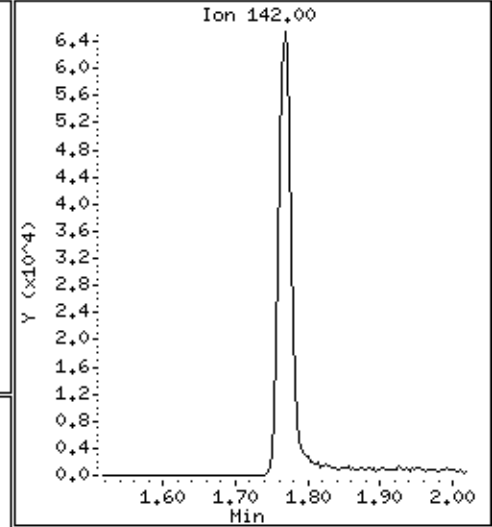
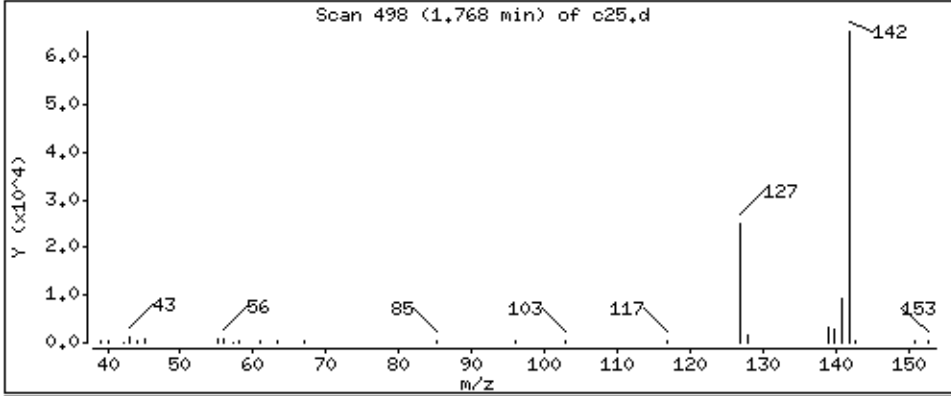
Operator: amv

Column phase: DB-624

Column diameter: 0,18

13 Iodomethane

Concentration: 44,6 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

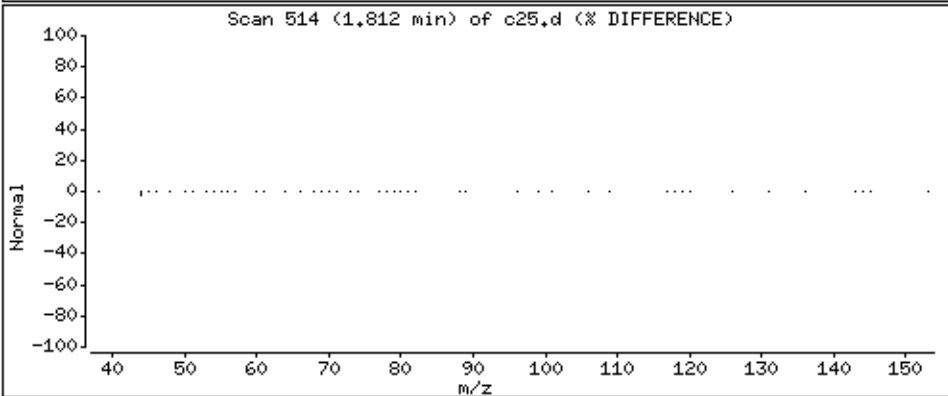
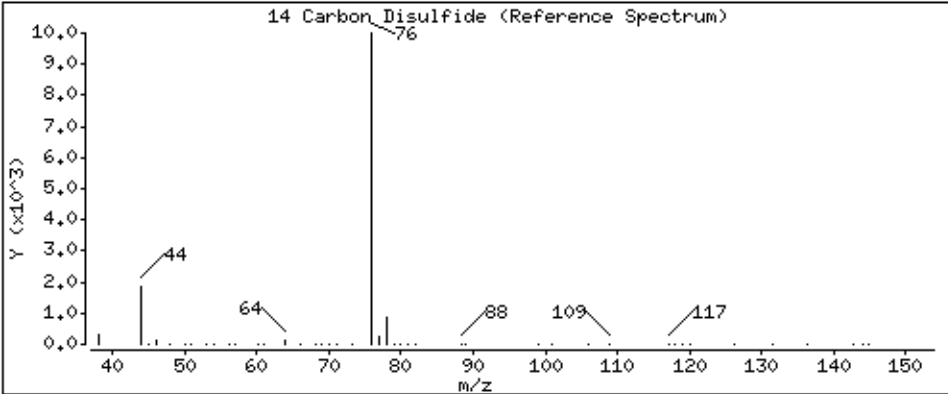
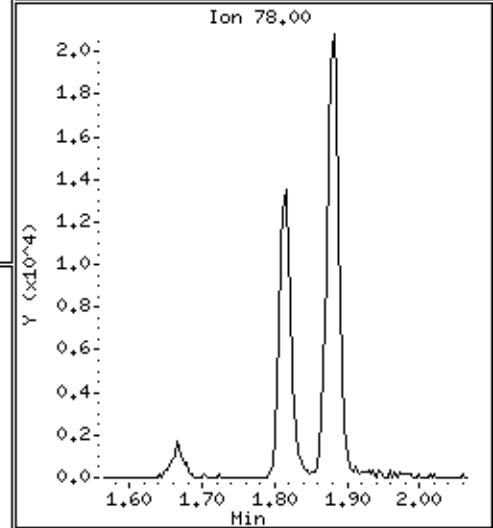
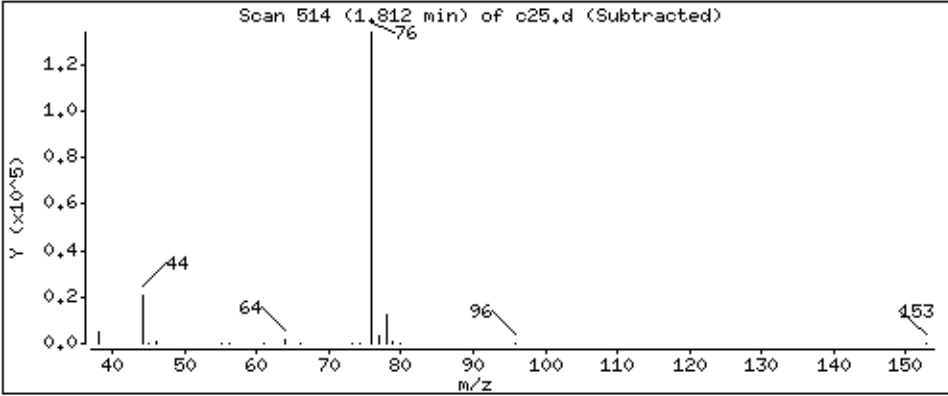
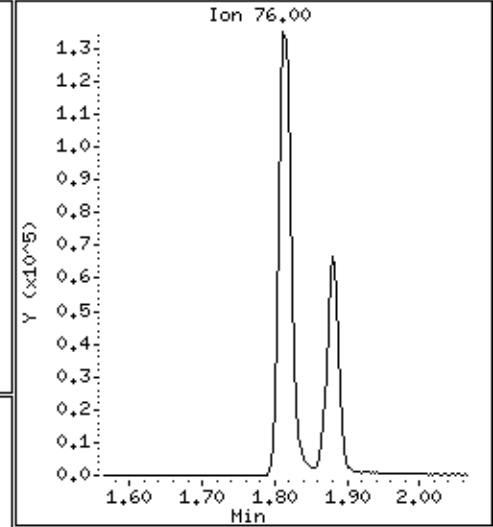
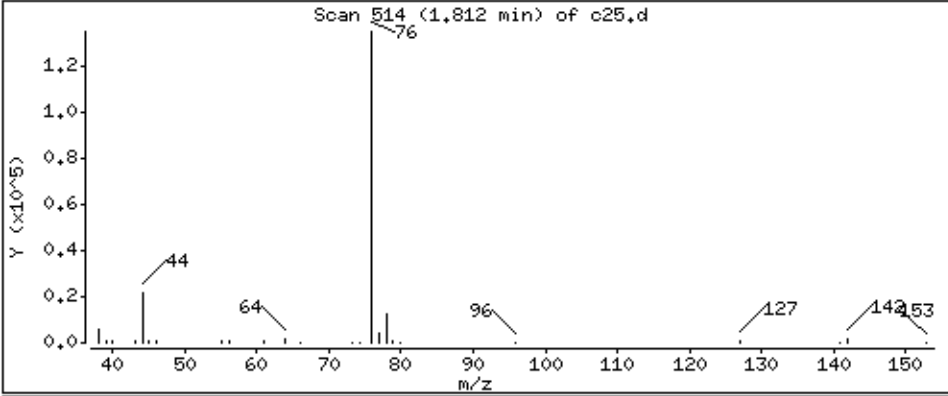
Operator: amv

Column phase: DB-624

Column diameter: 0.18

14 Carbon Disulfide

Concentration: 34.0 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

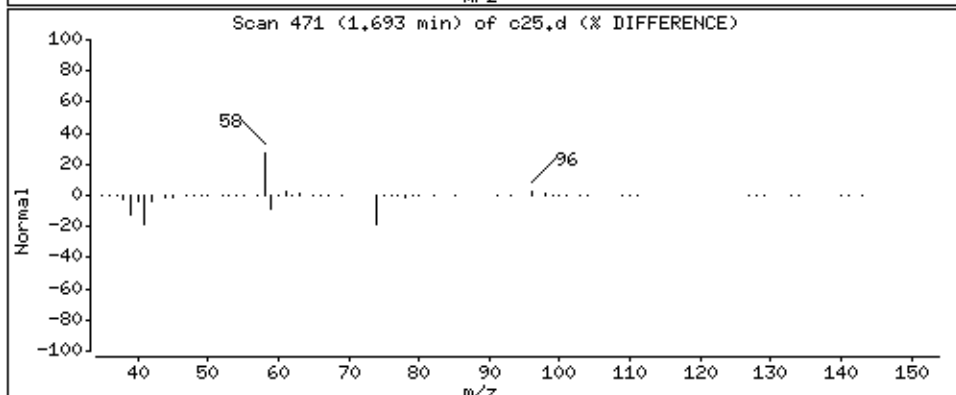
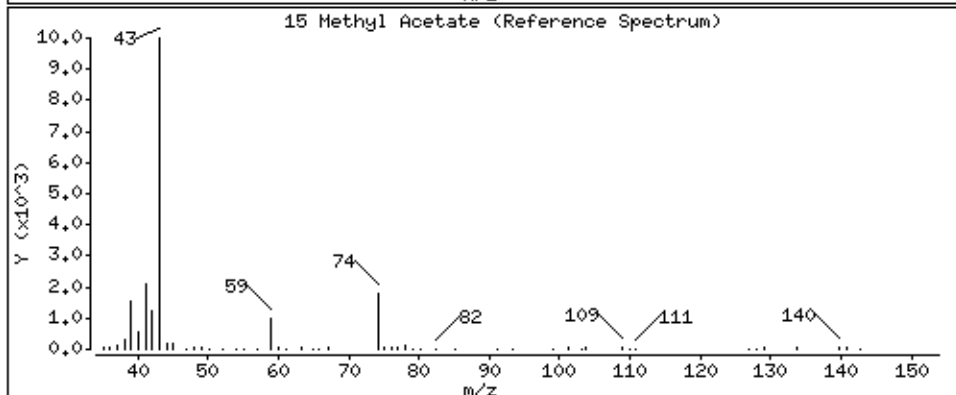
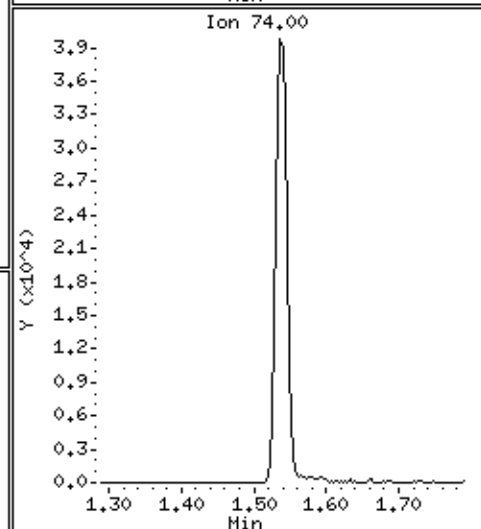
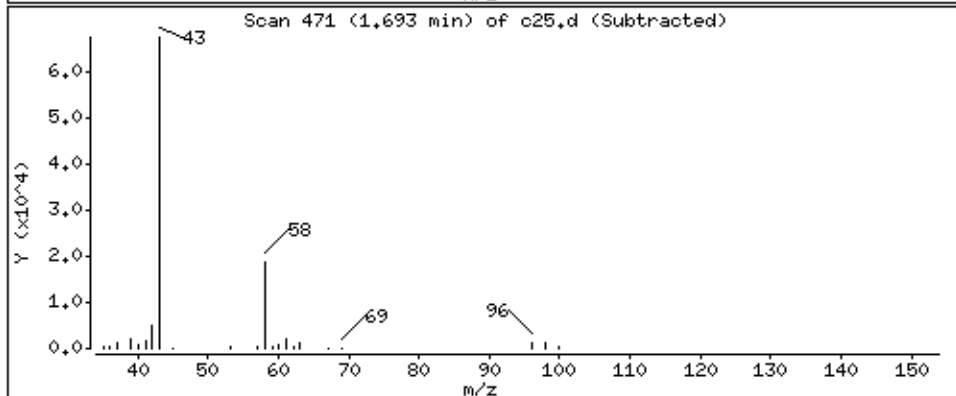
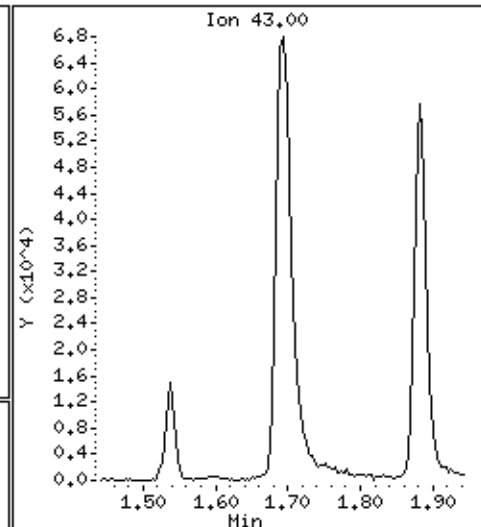
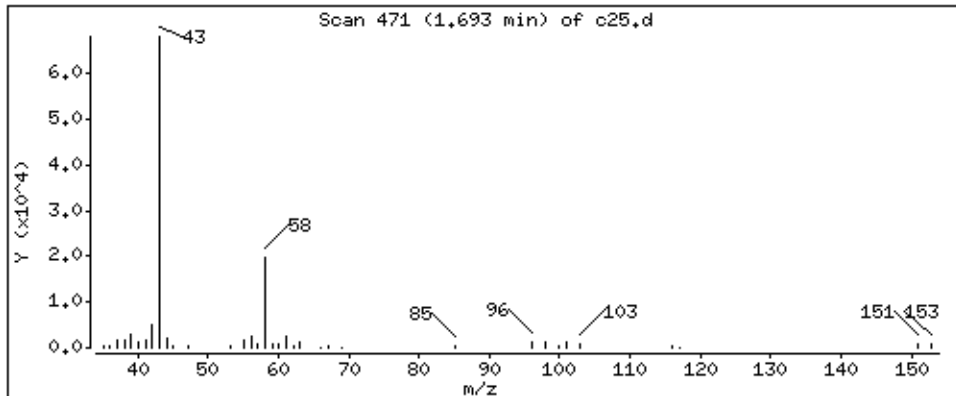
Operator: amv

Column phase: DB-624

Column diameter: 0,18

15 Methyl Acetate

Concentration: 49.0 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

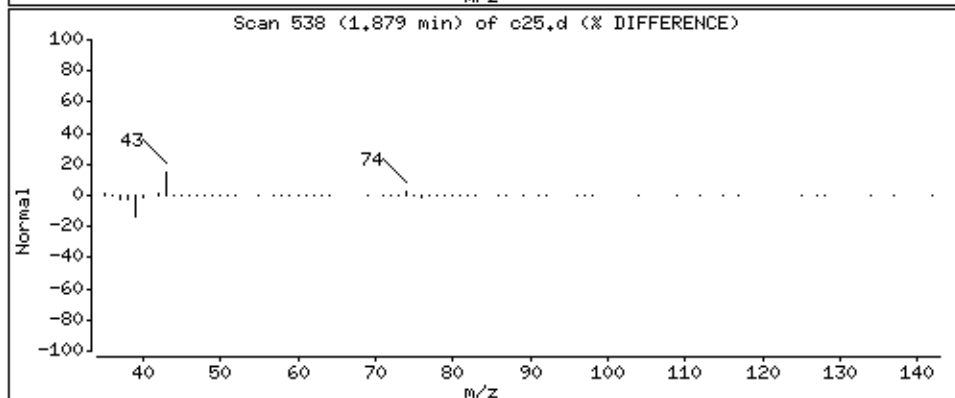
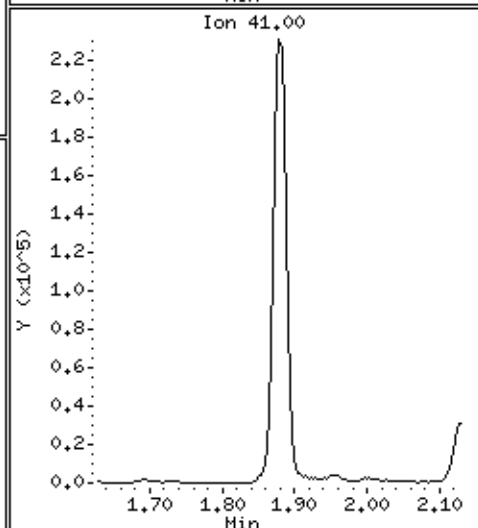
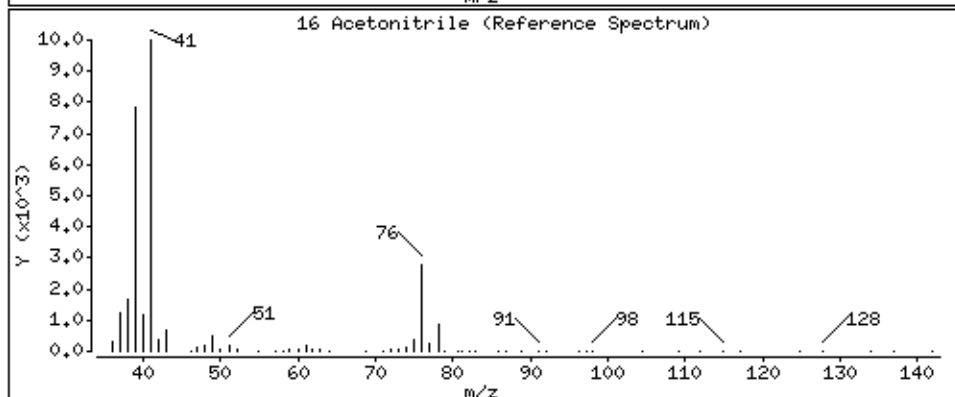
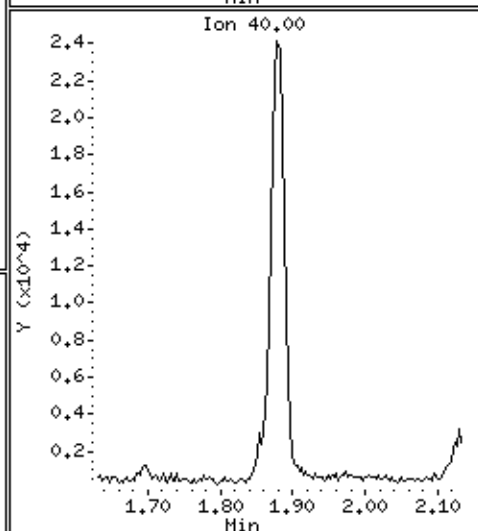
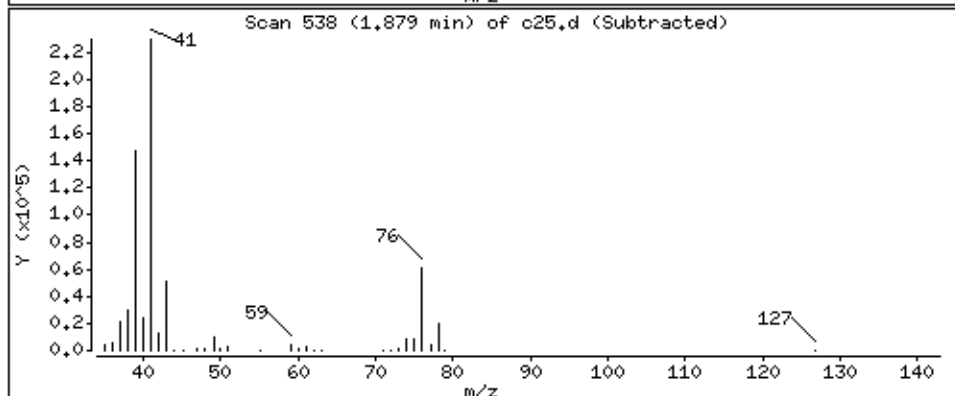
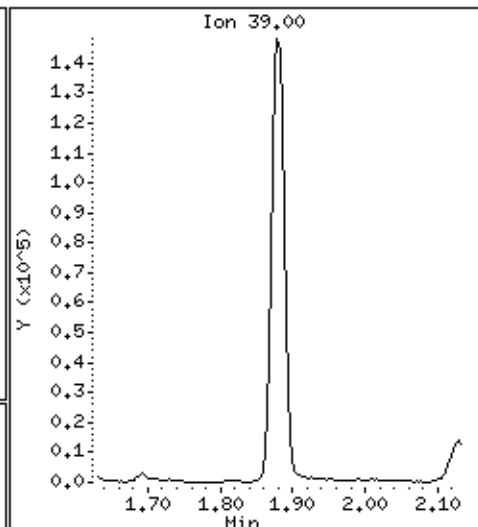
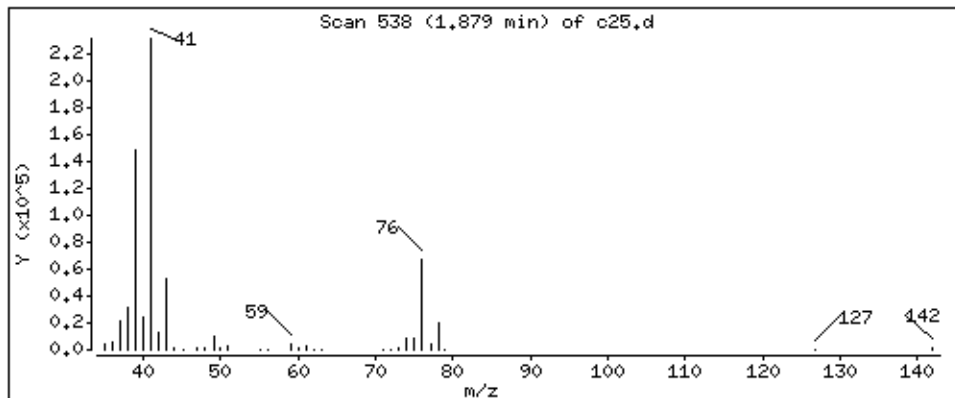
Operator: amv

Column phase: DB-624

Column diameter: 0,18

16 Acetonitrile

Concentration: 35,5 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

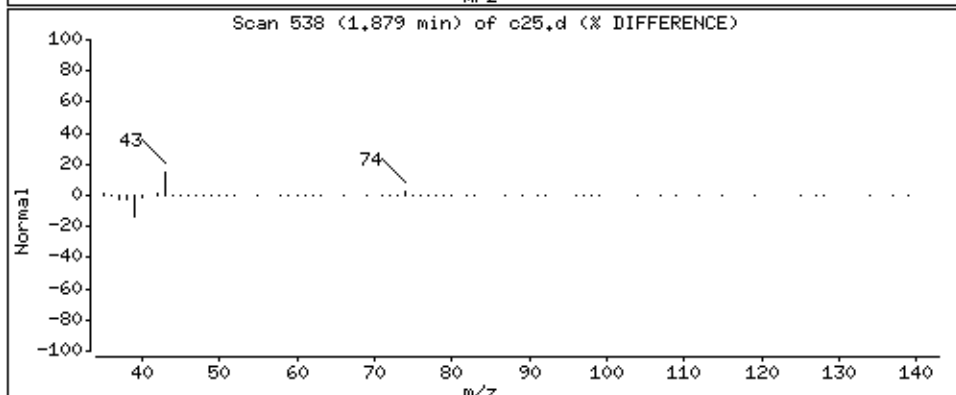
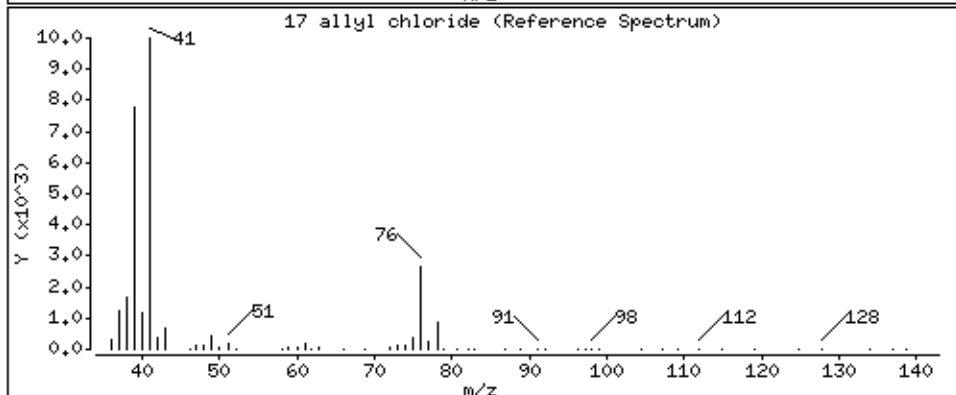
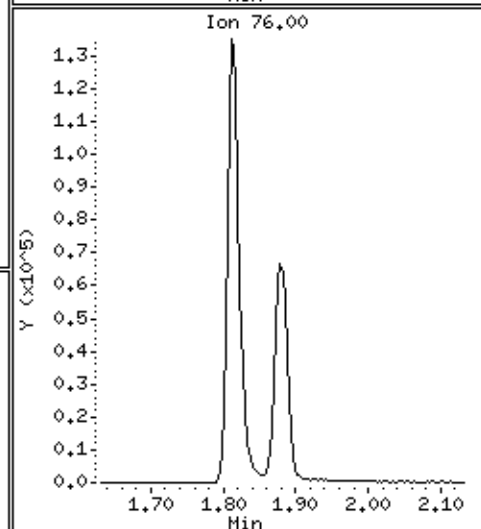
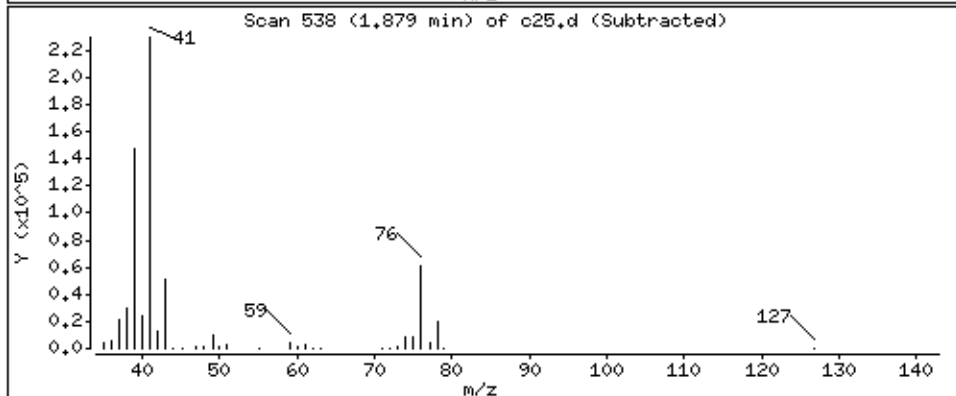
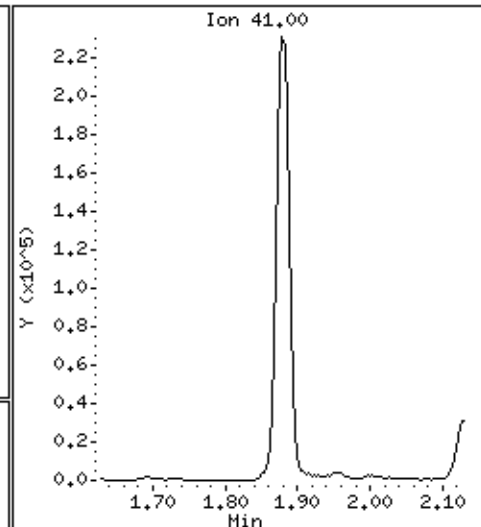
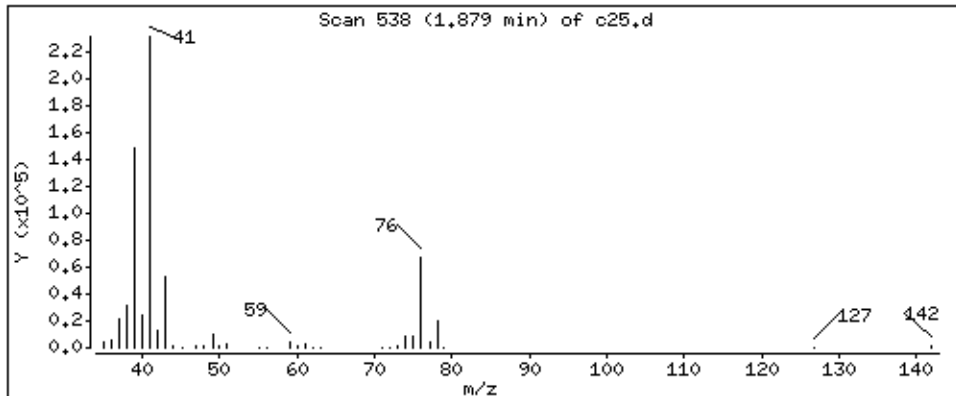
Operator: amv

Column phase: DB-624

Column diameter: 0,18

17 allyl chloride

Concentration: 85,9 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

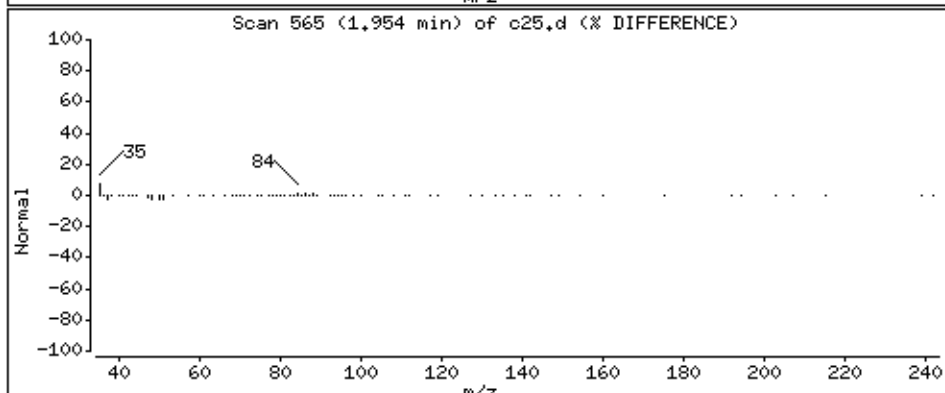
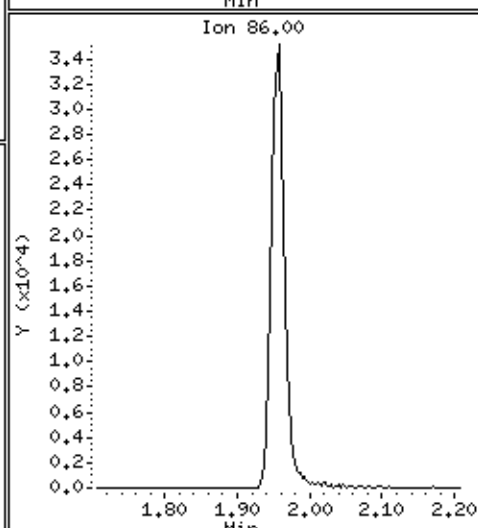
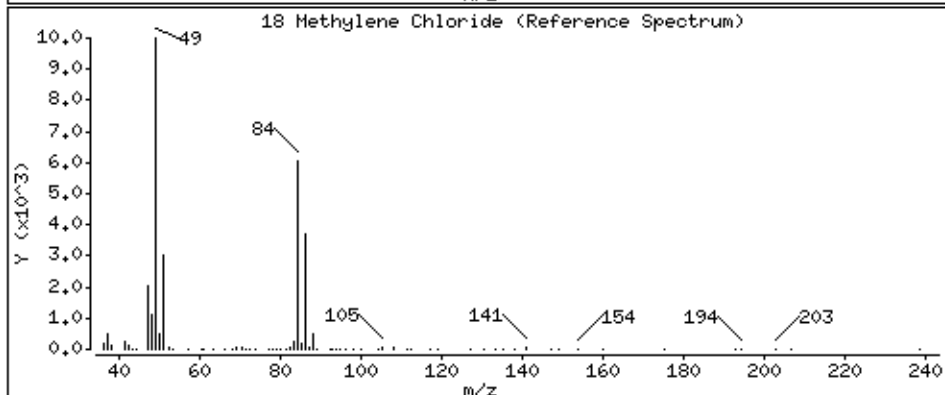
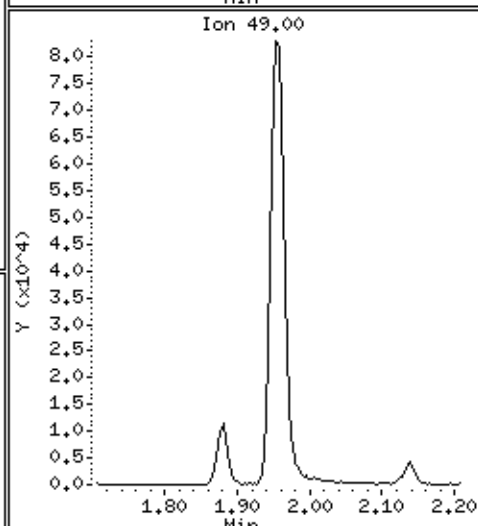
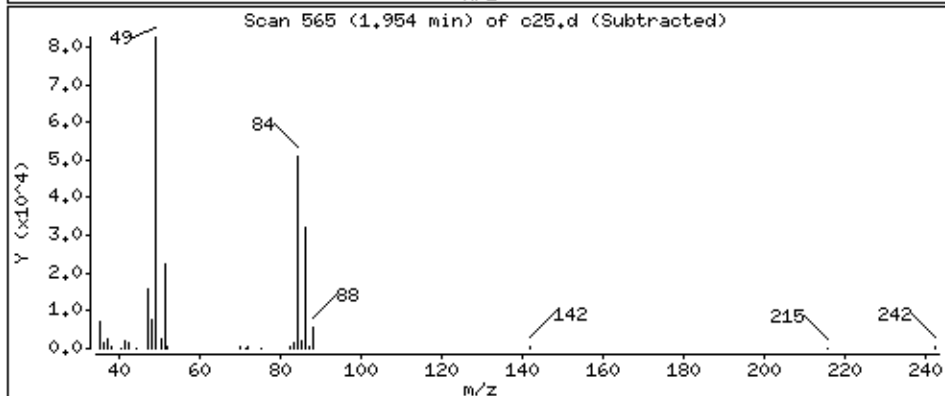
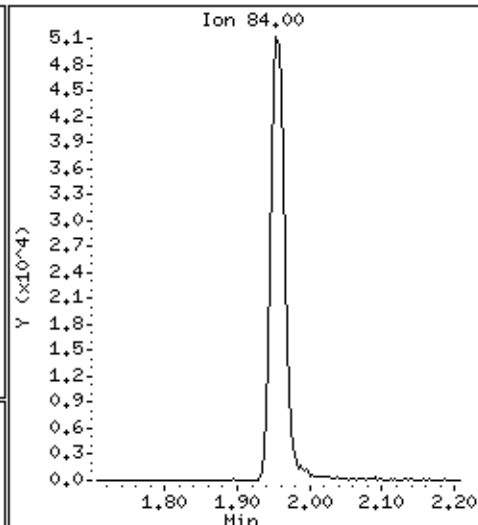
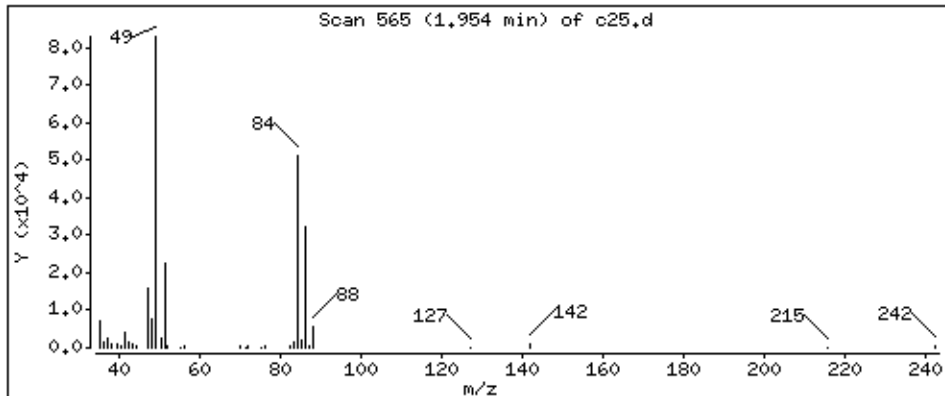
Operator: amv

Column phase: DB-624

Column diameter: 0,18

18 Methylene Chloride

Concentration: 44,4 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

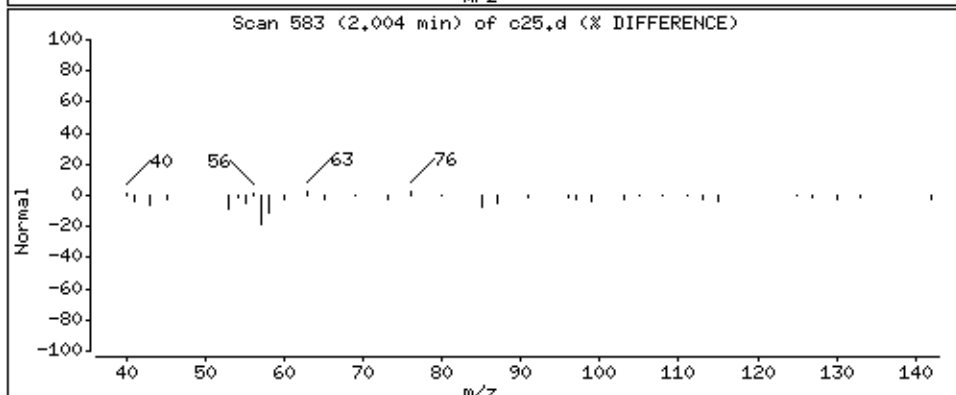
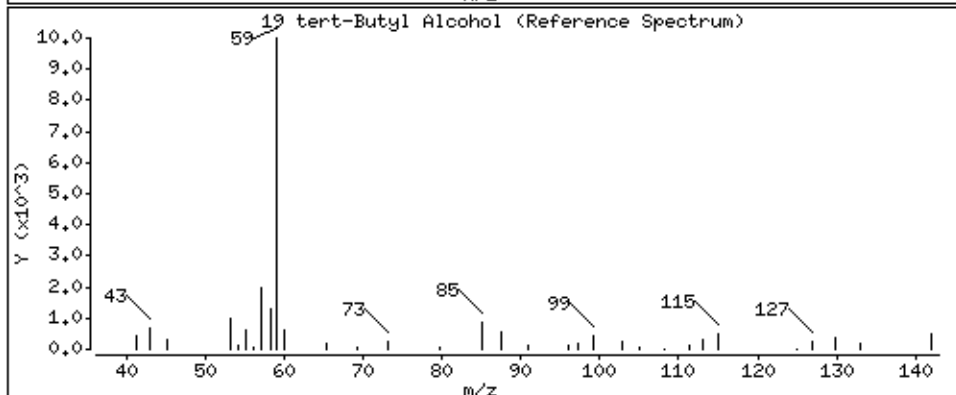
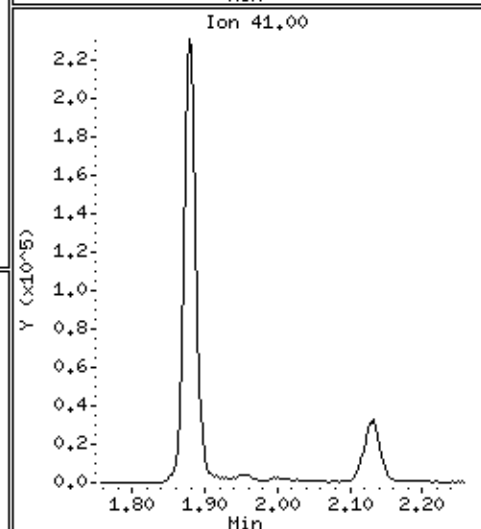
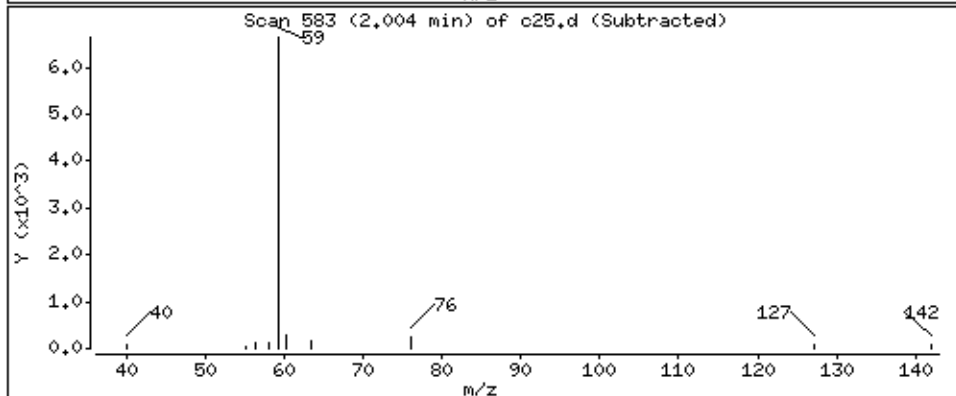
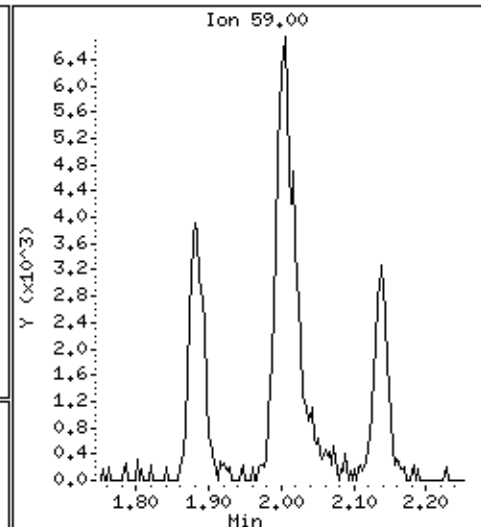
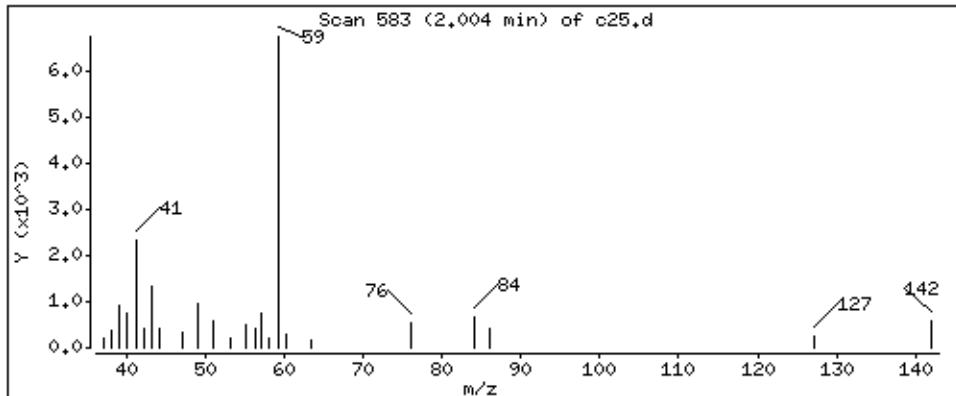
Operator: amv

Column phase: DB-624

Column diameter: 0,18

19 tert-Butyl Alcohol

Concentration: 96,1 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

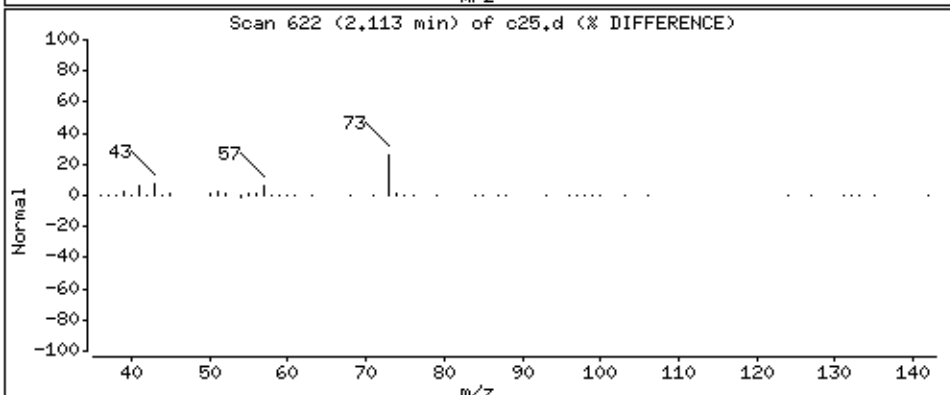
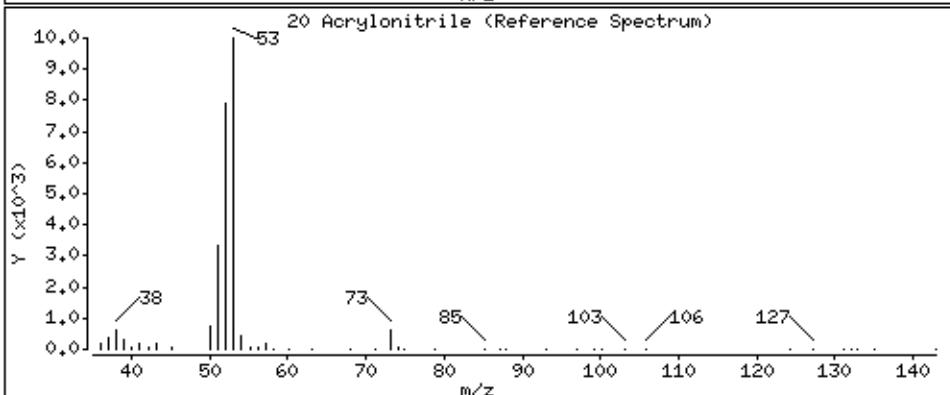
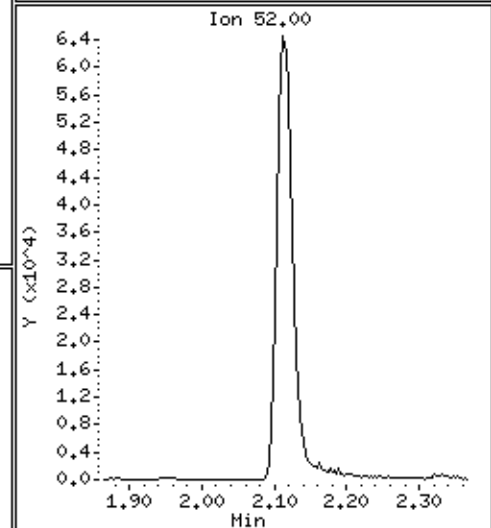
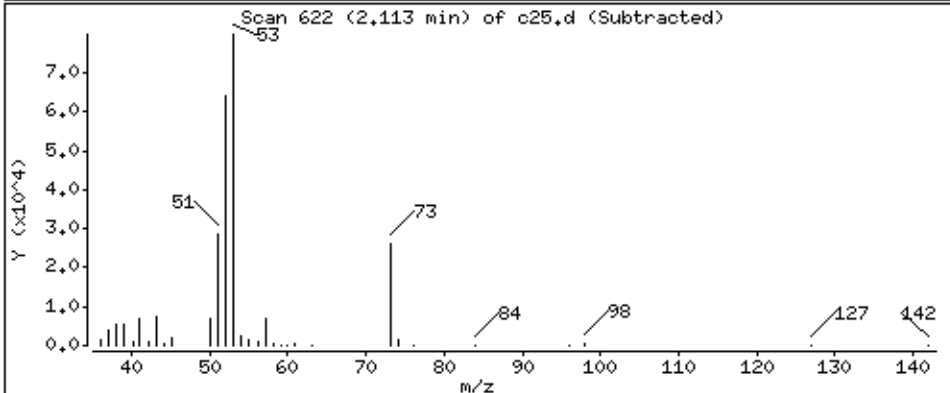
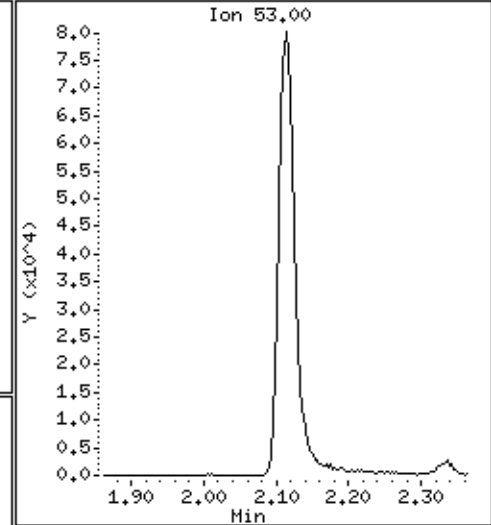
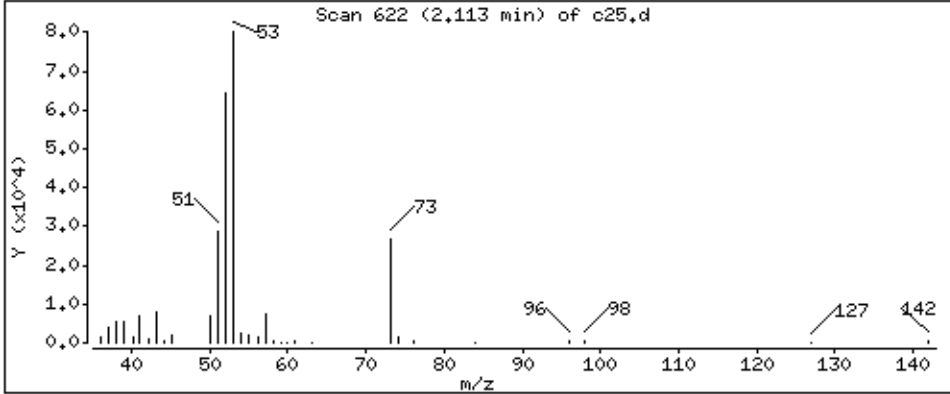
Operator: amv

Column phase: DB-624

Column diameter: 0,18

20 Acrylonitrile

Concentration: 180 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

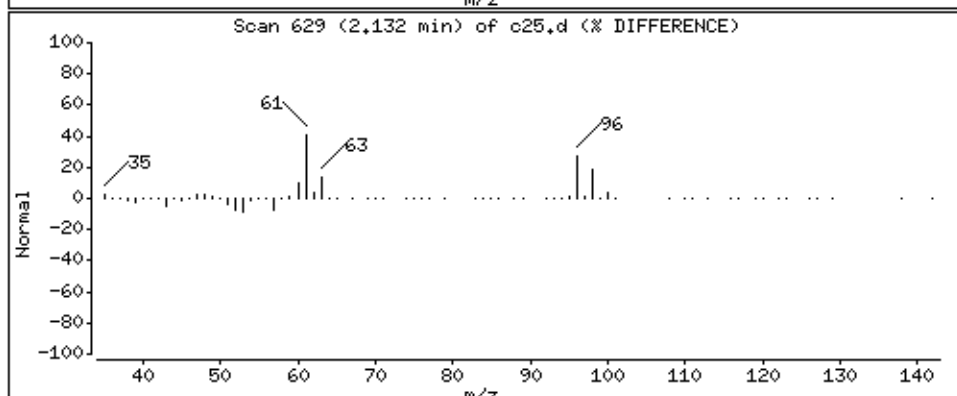
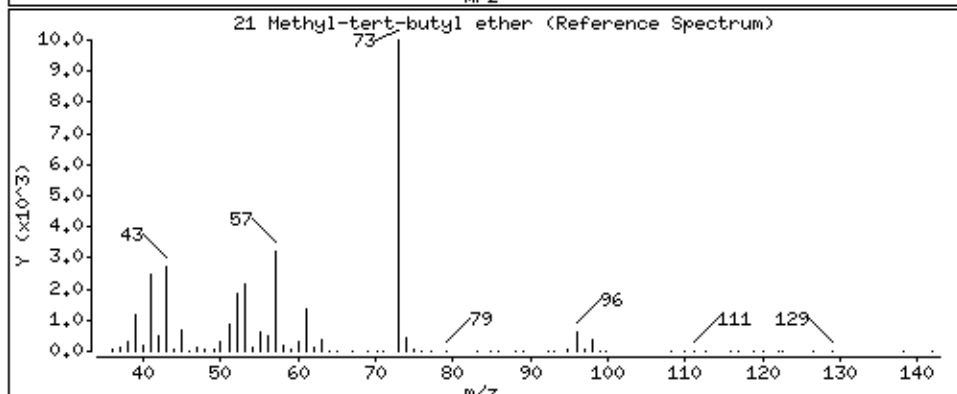
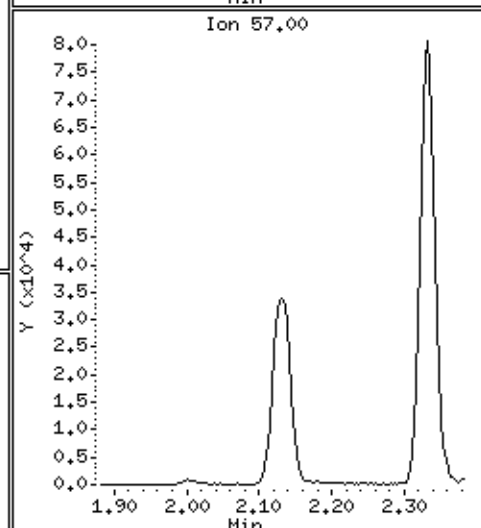
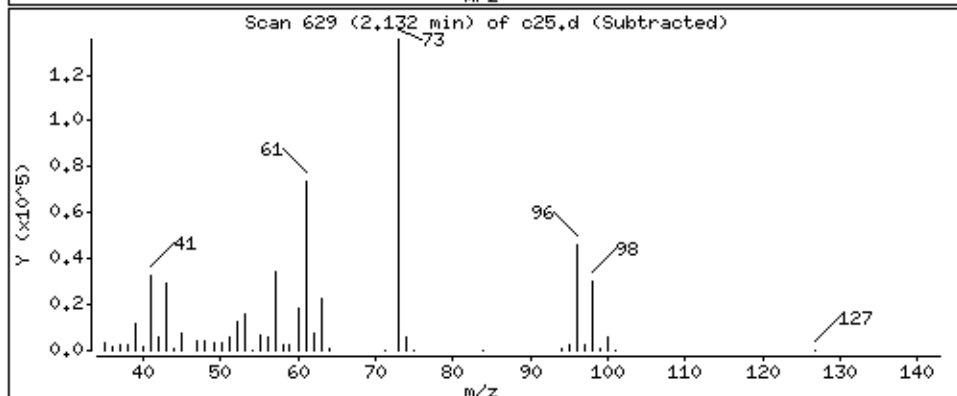
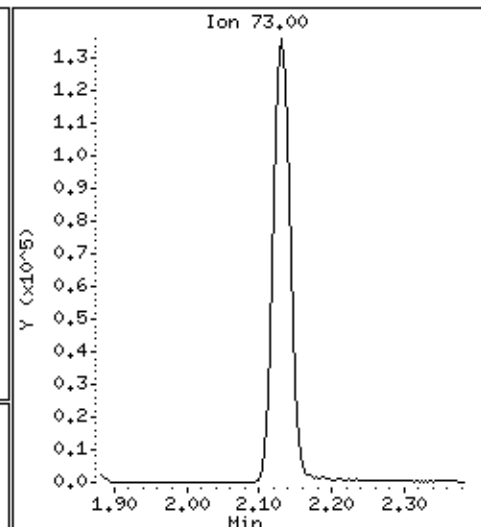
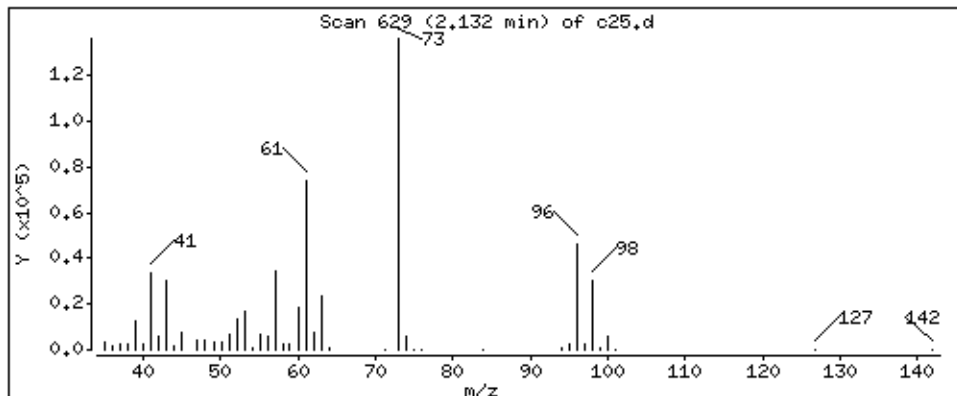
Operator: amv

Column phase: DB-624

Column diameter: 0,18

21 Methyl-tert-butyl ether

Concentration: 45,9 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

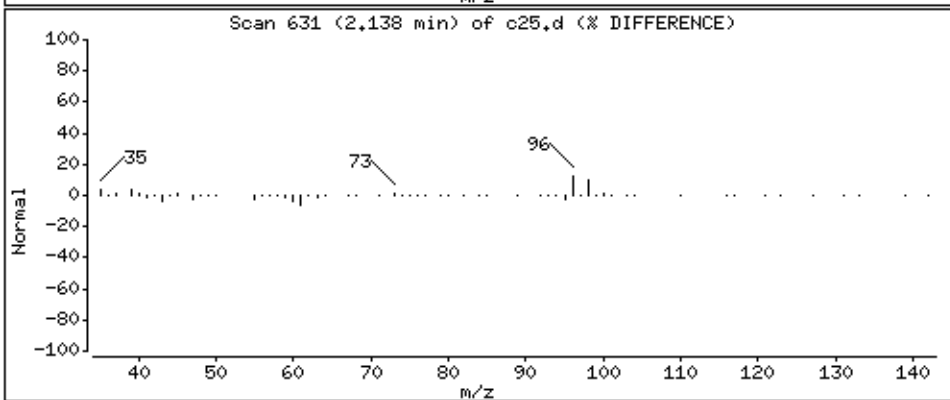
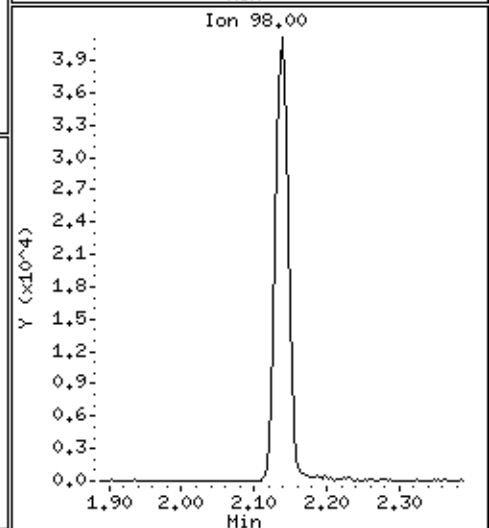
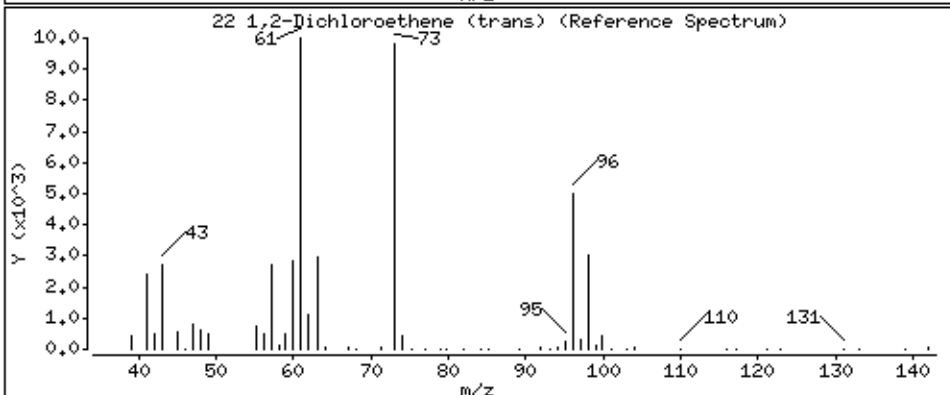
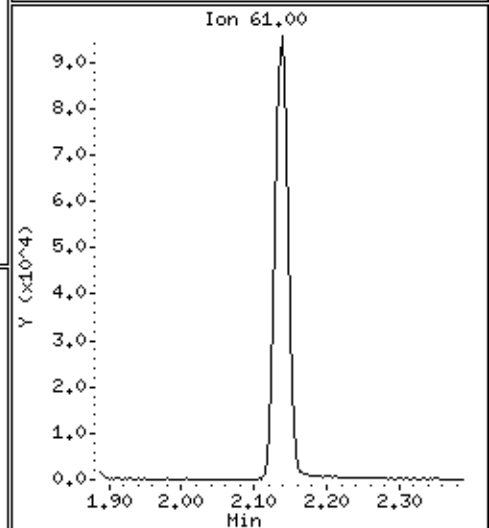
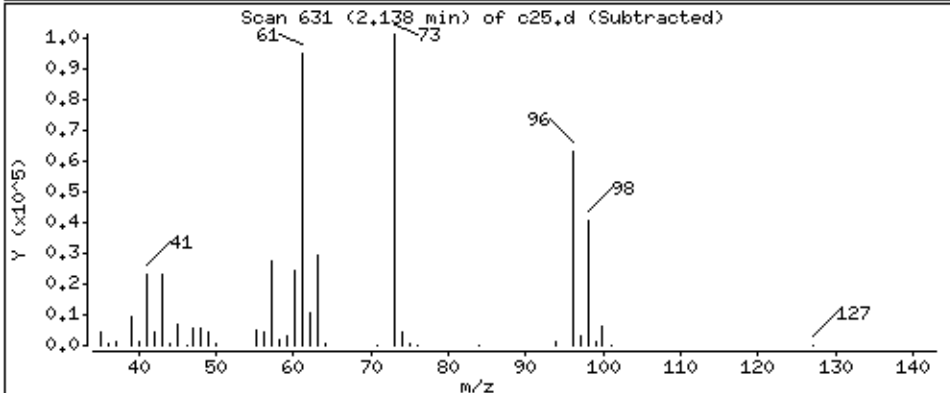
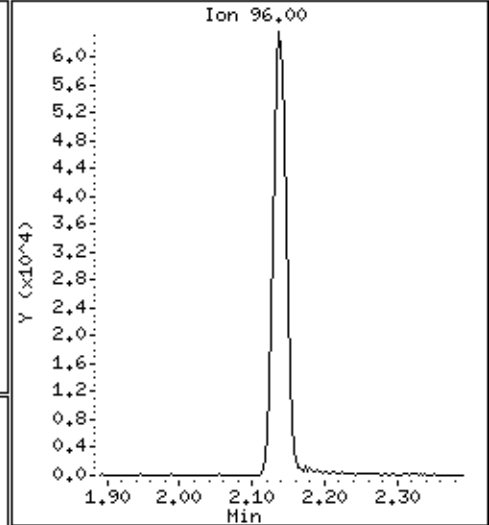
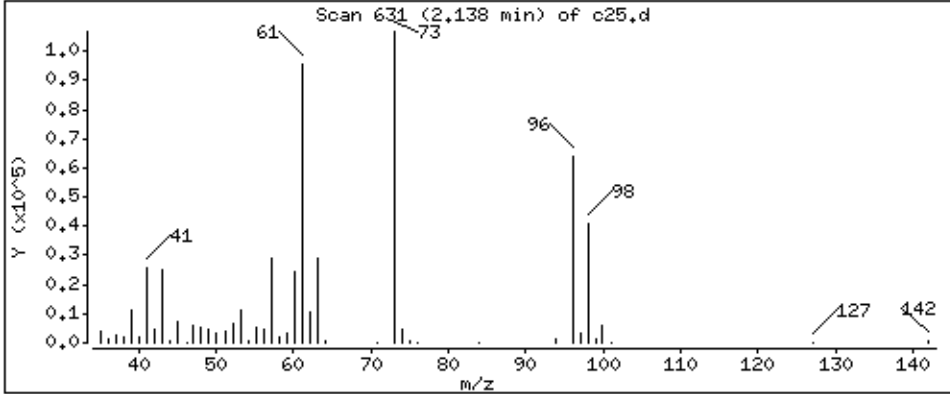
Operator: amv

Column phase: DB-624

Column diameter: 0,18

22 1,2-Dichloroethene (trans)

Concentration: 45,0 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

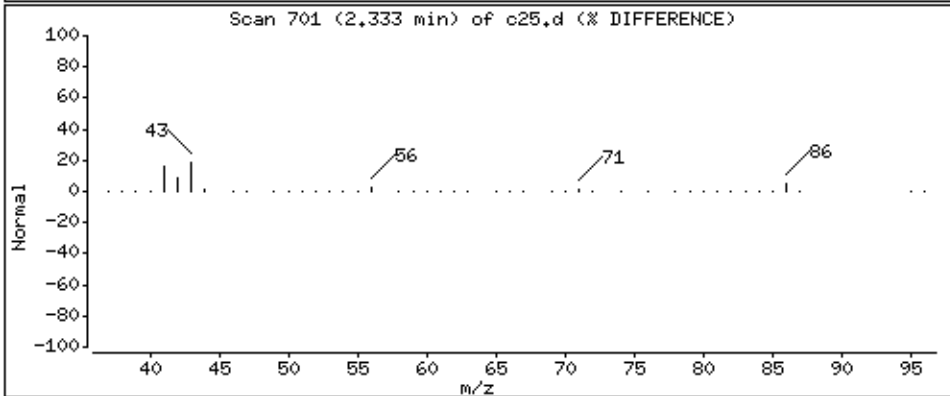
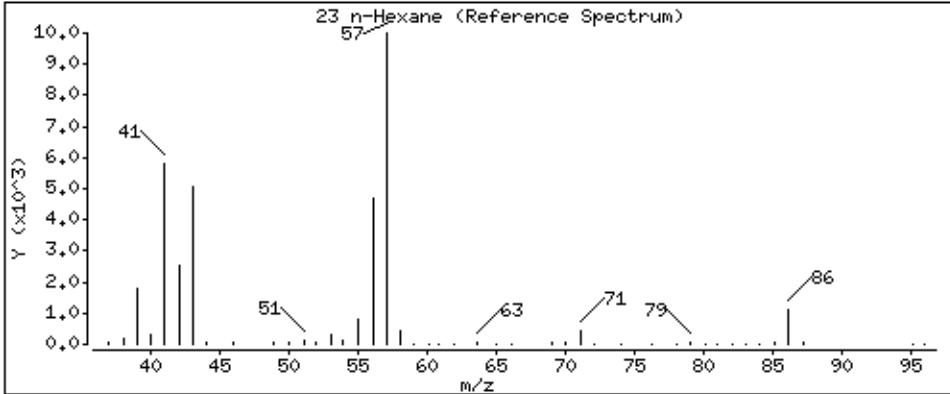
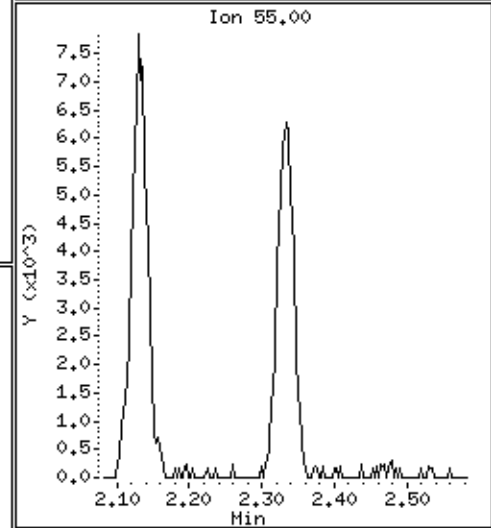
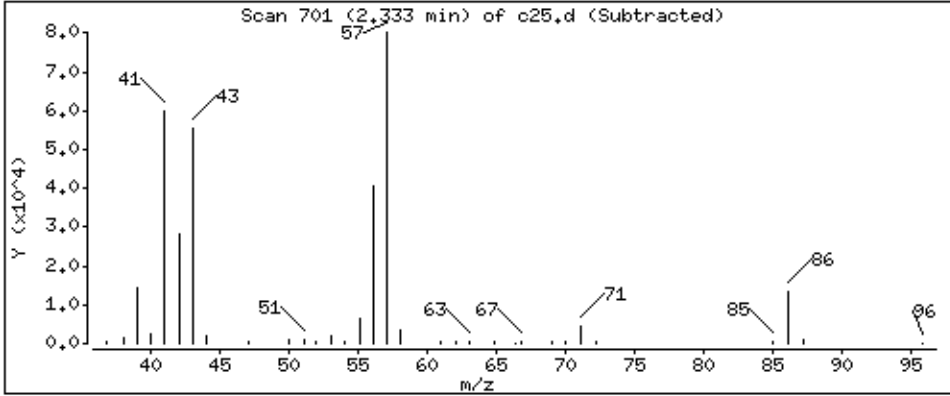
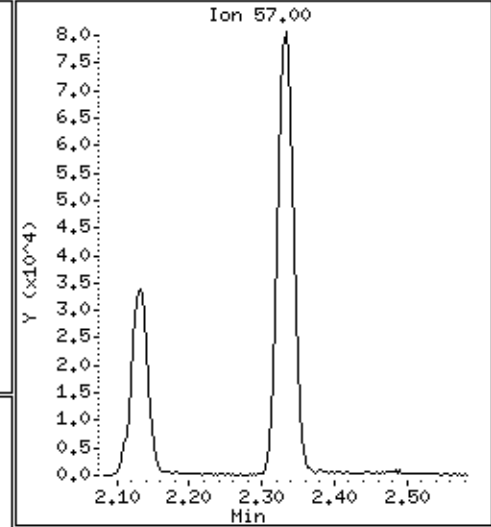
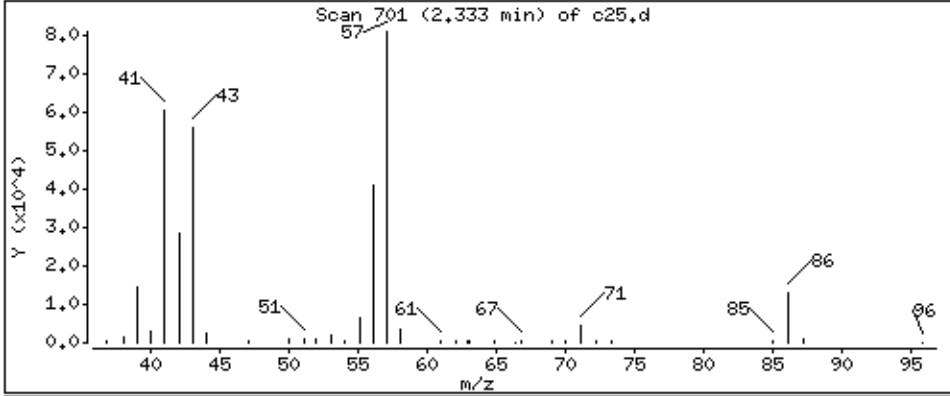
Operator: amv

Column phase: DB-624

Column diameter: 0,18

23 n-Hexane

Concentration: 36,7 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

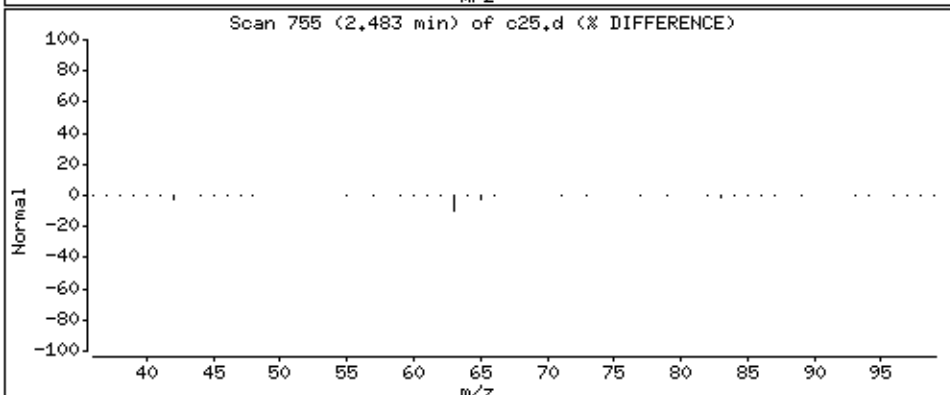
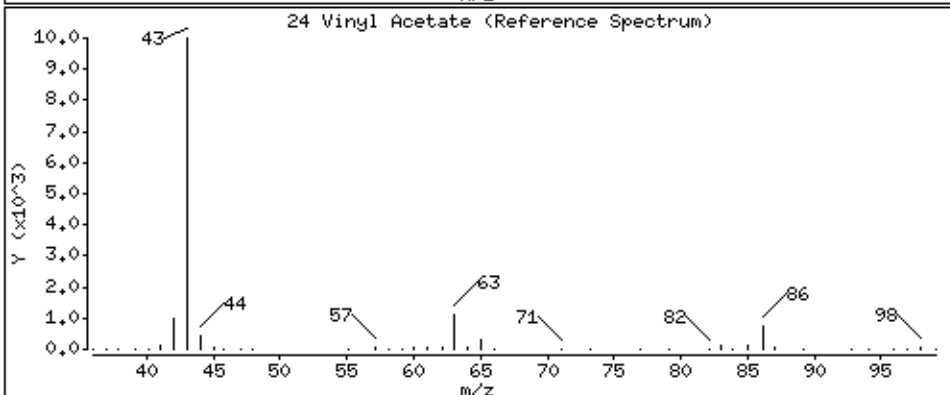
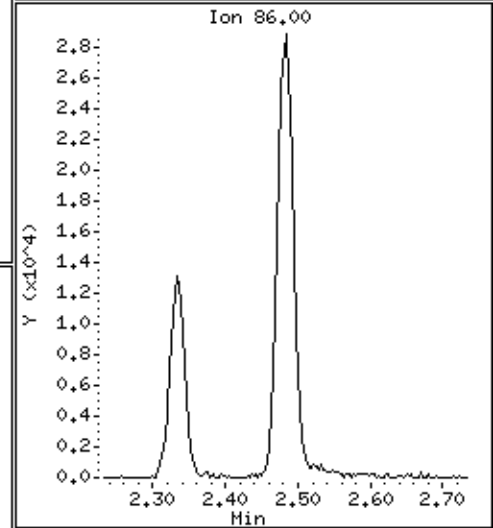
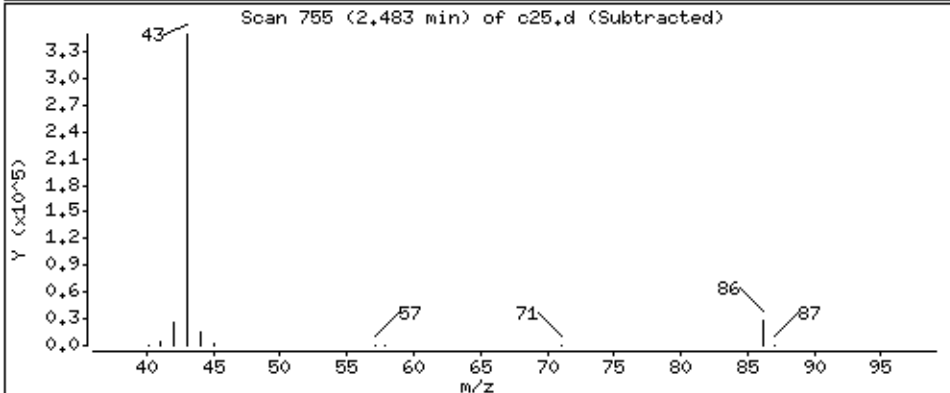
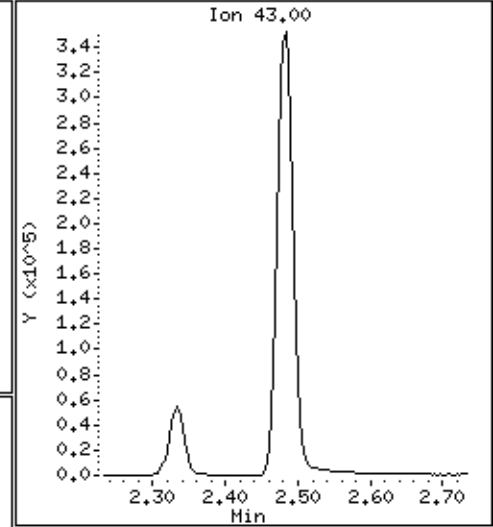
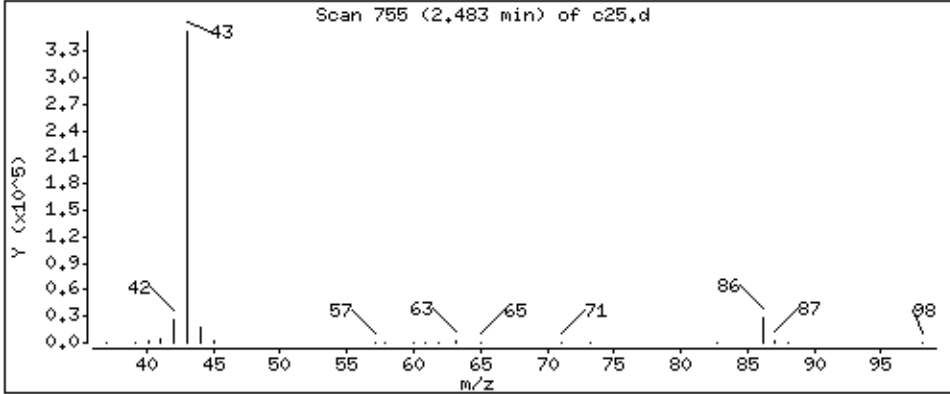
Operator: amv

Column phase: DB-624

Column diameter: 0,18

24 Vinyl Acetate

Concentration: 99,2 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

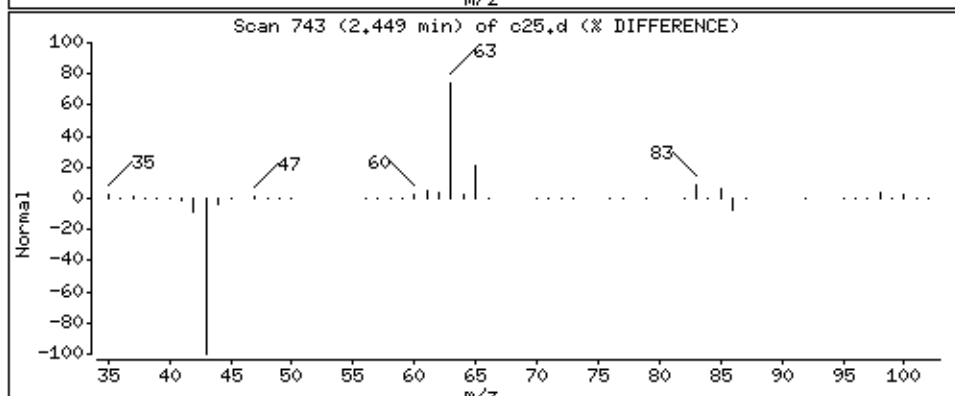
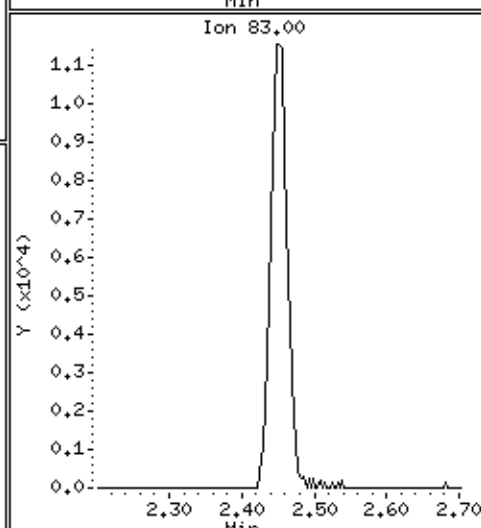
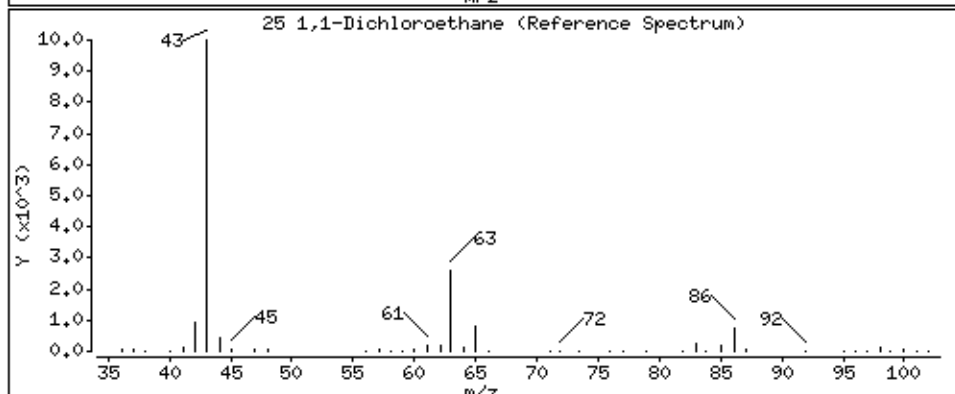
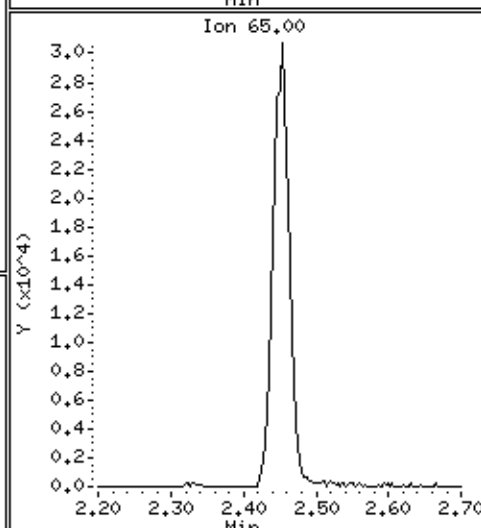
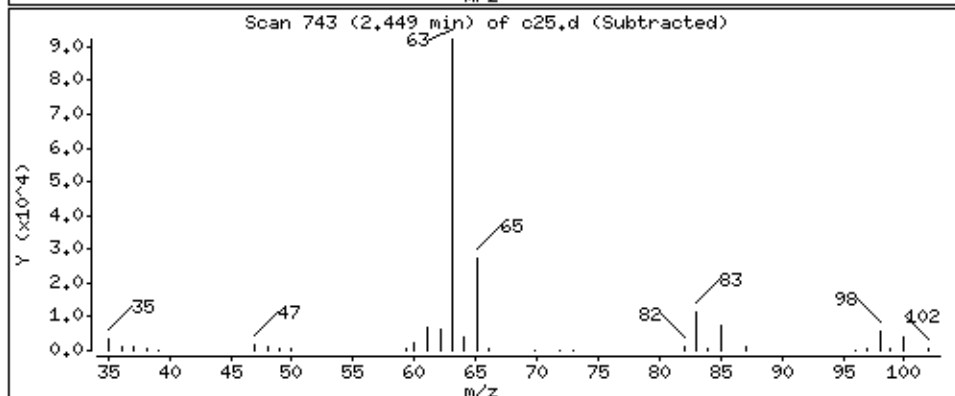
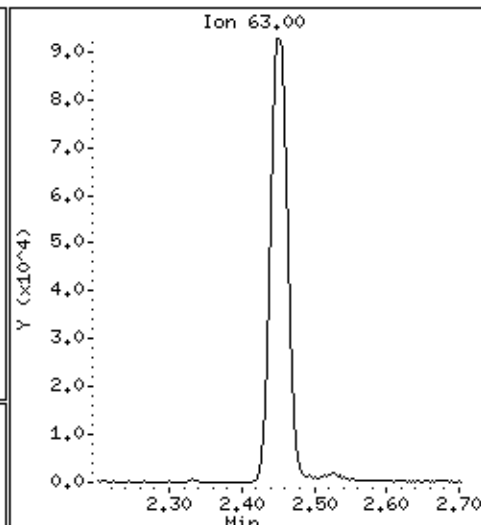
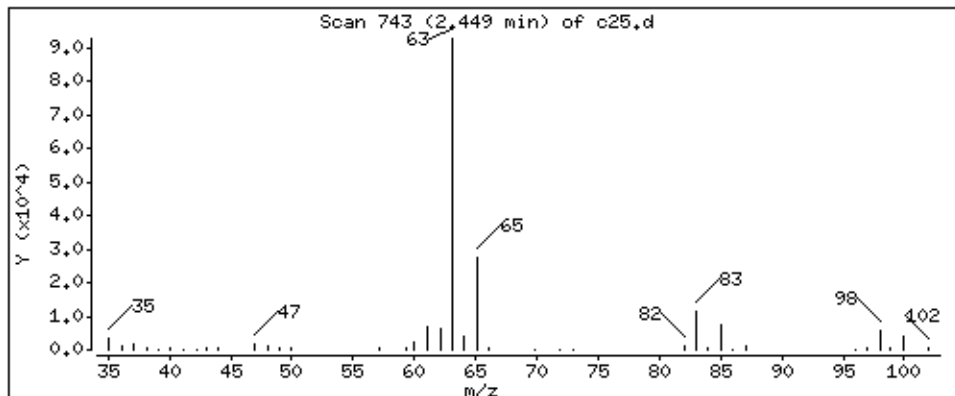
Operator: amv

Column phase: DB-624

Column diameter: 0,18

25 1,1-Dichloroethane

Concentration: 46,2 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

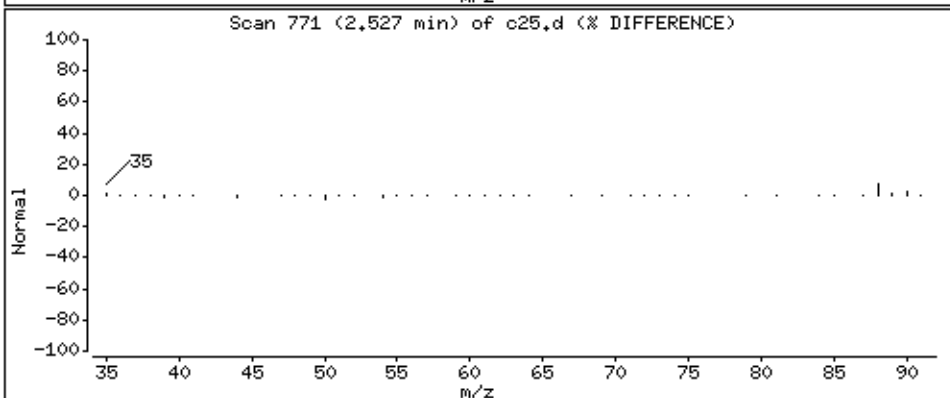
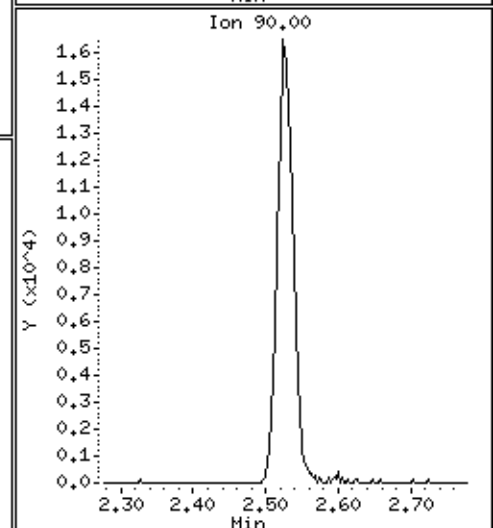
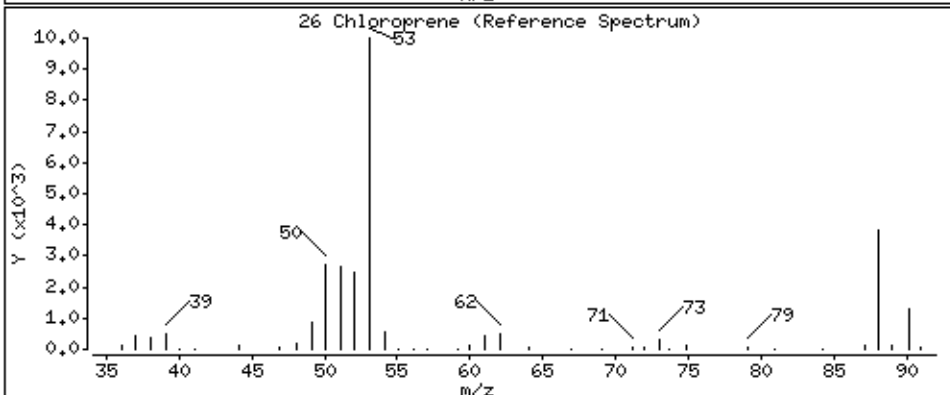
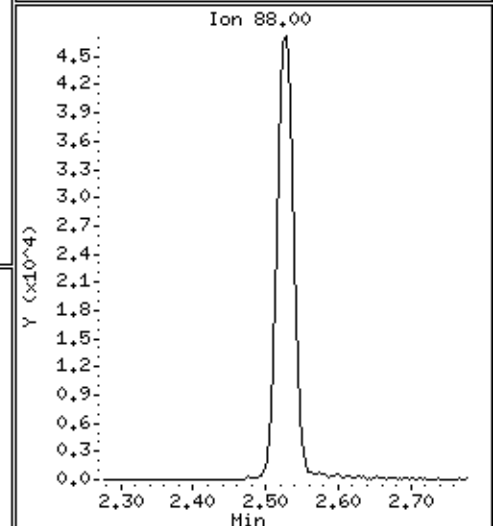
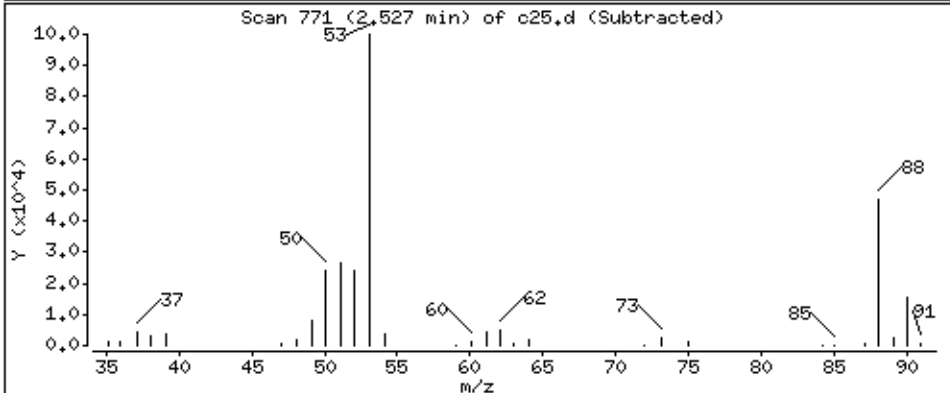
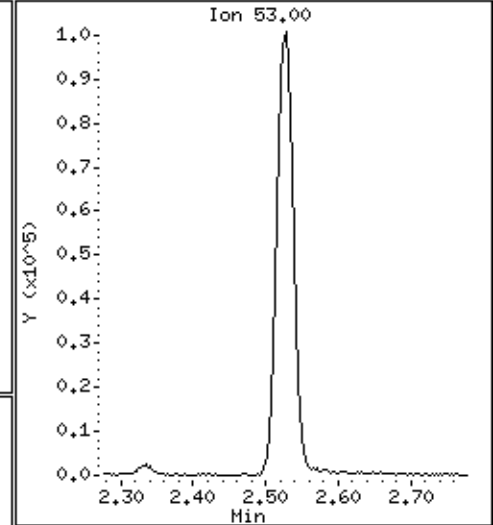
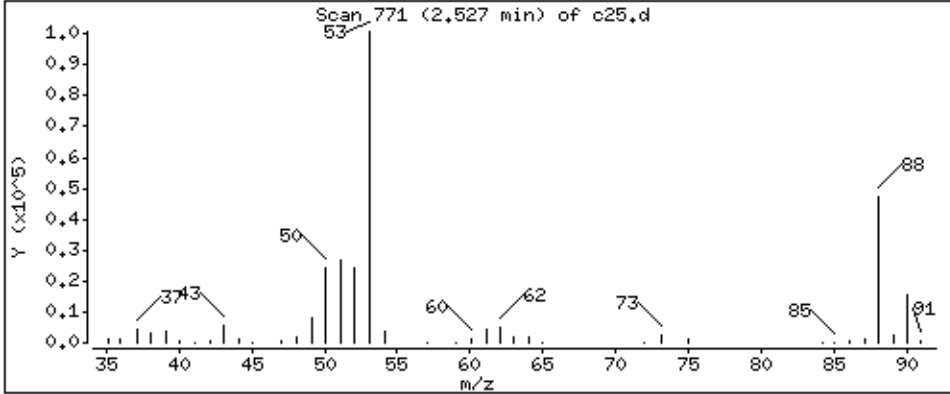
Operator: amv

Column phase: DB-624

Column diameter: 0,18

26 Chloroprene

Concentration: 42.9 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

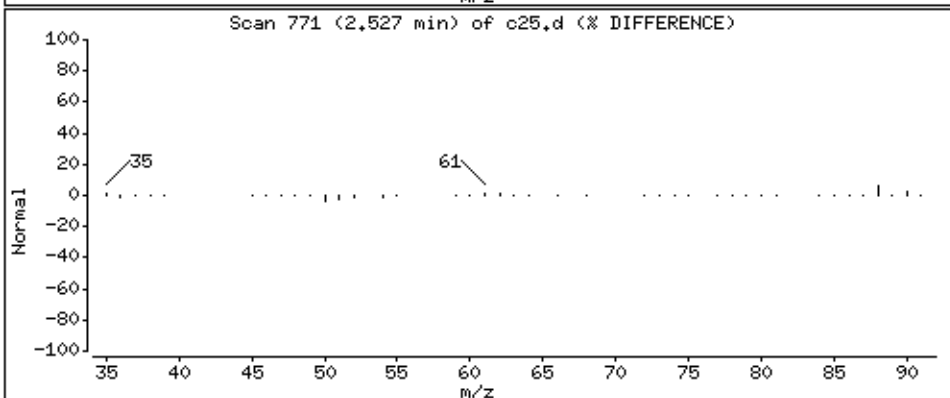
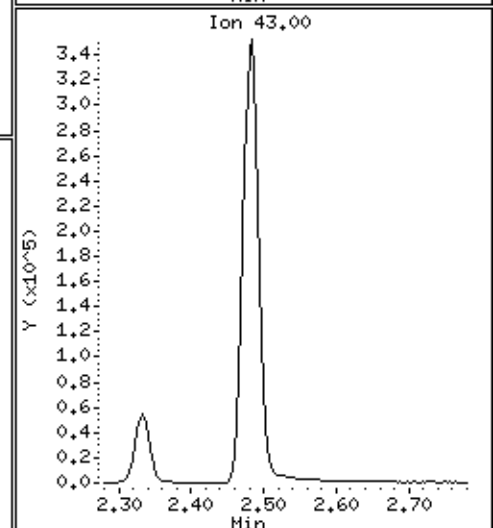
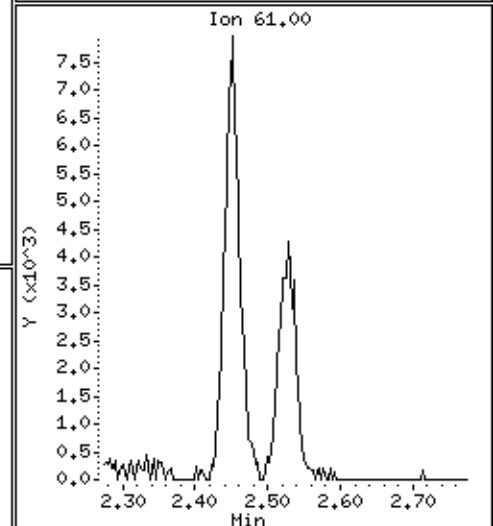
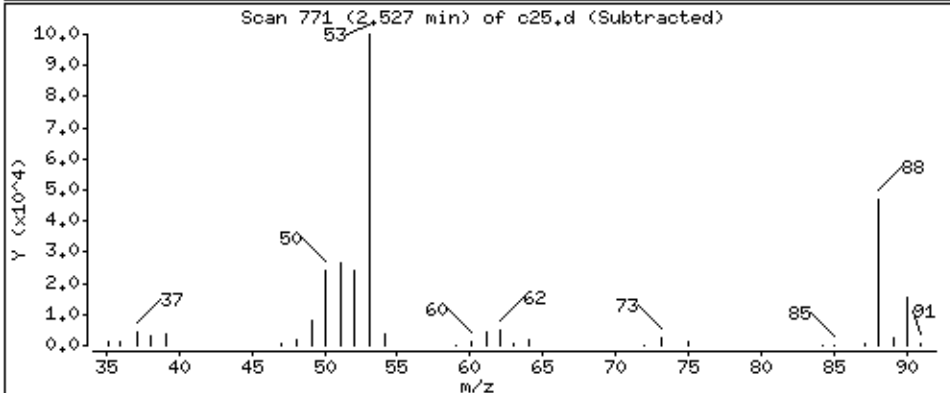
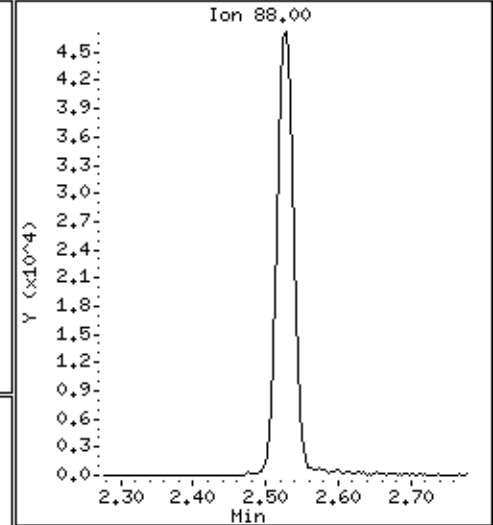
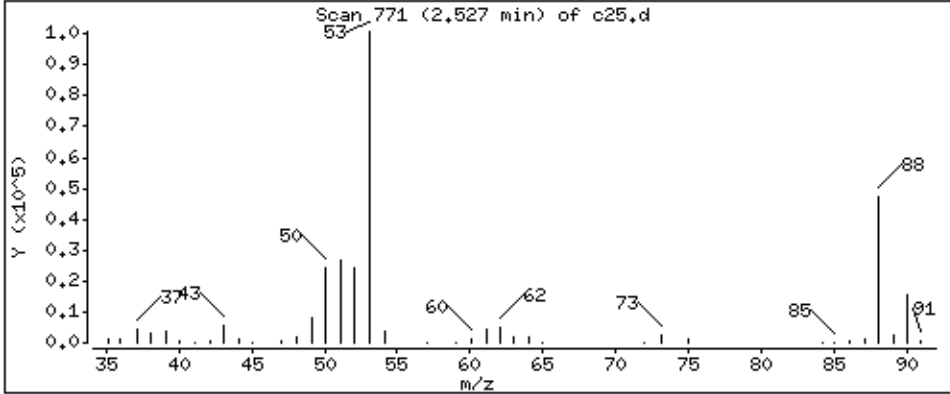
Operator: amv

Column phase: DB-624

Column diameter: 0,18

27 Ethyl acetate

Concentration: 396 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

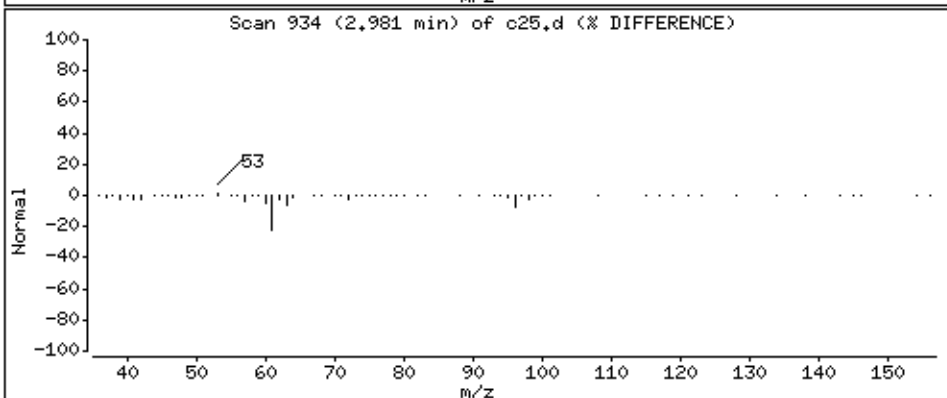
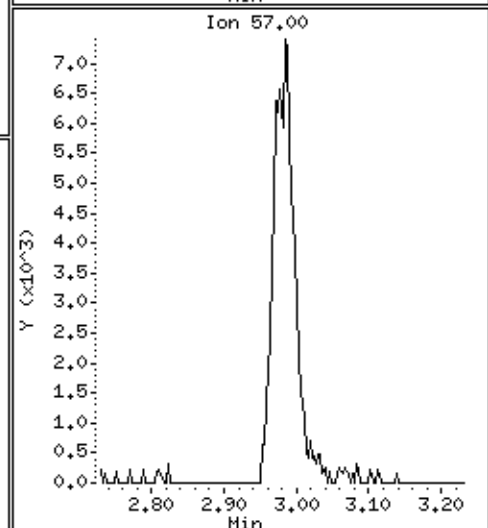
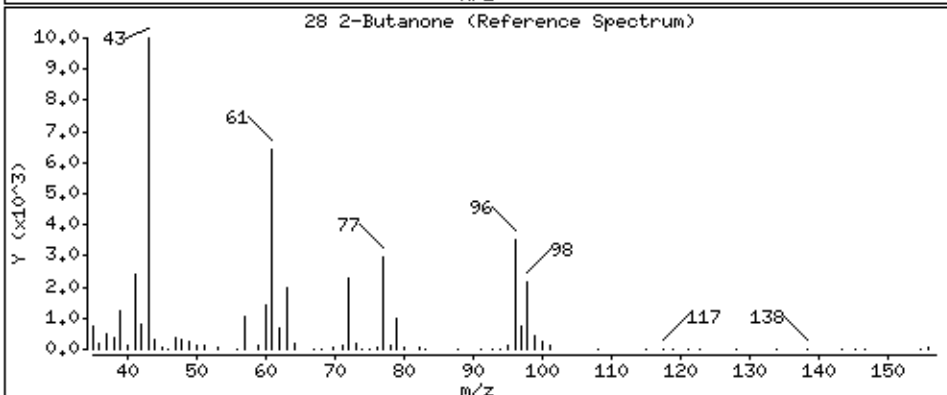
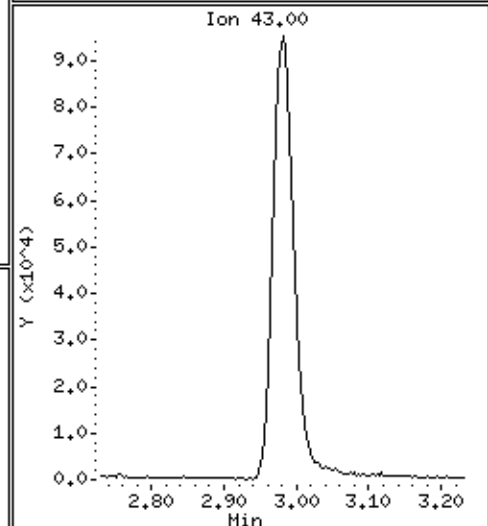
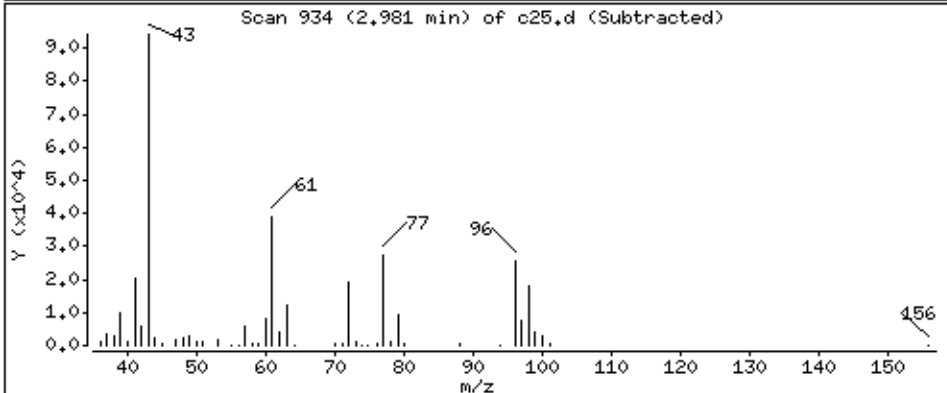
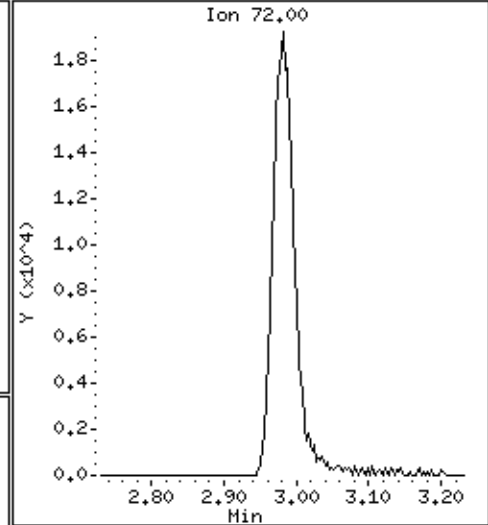
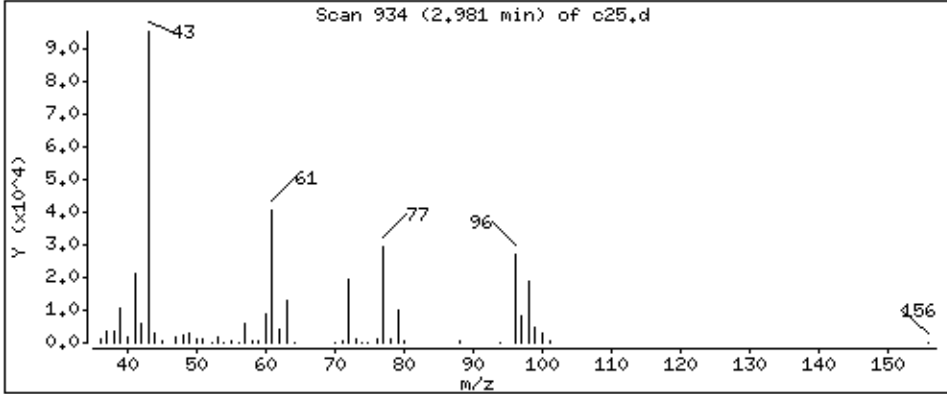
Operator: amv

Column phase: DB-624

Column diameter: 0,18

28 2-Butanone

Concentration: 249 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

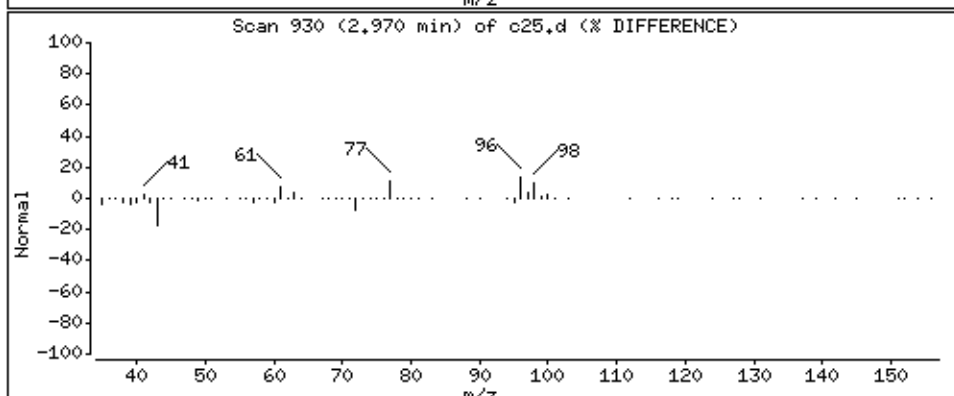
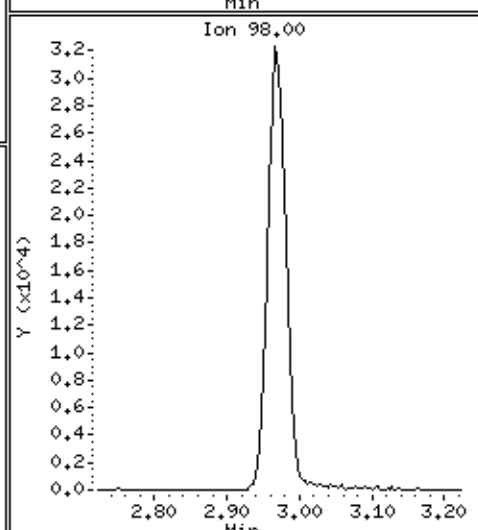
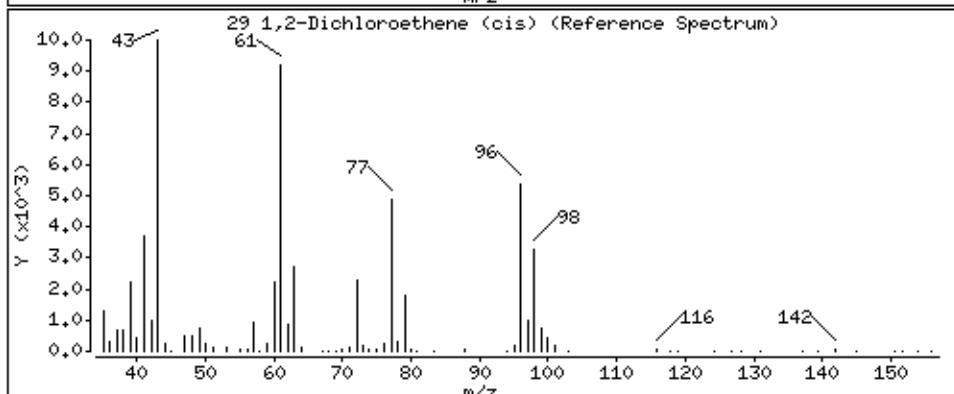
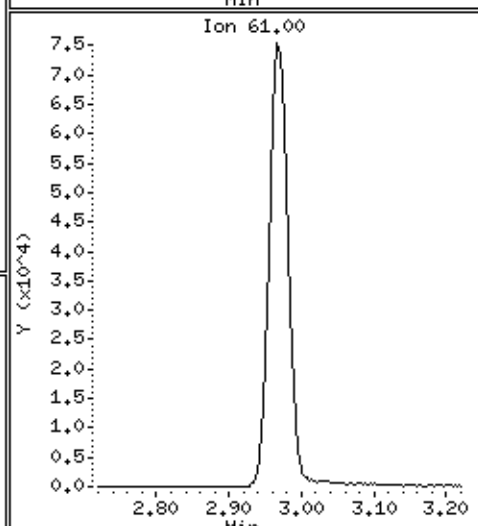
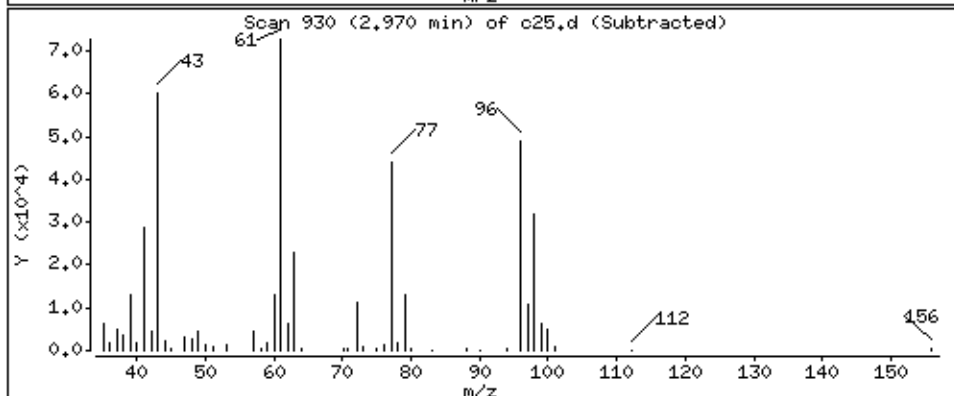
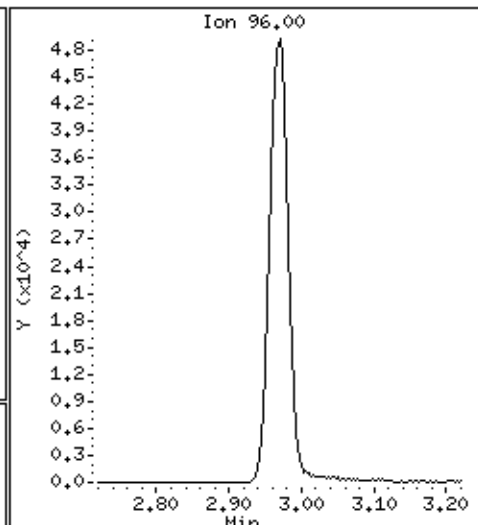
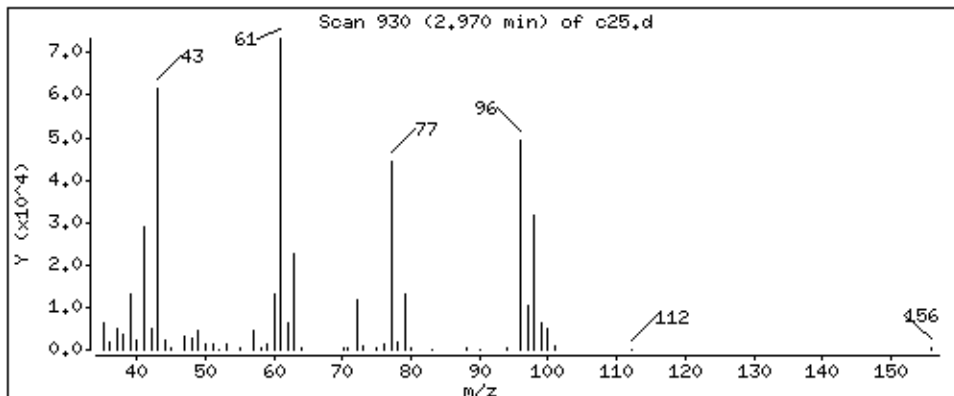
Operator: amv

Column phase: DB-624

Column diameter: 0,18

29 1,2-Dichloroethene (cis)

Concentration: 46,3 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

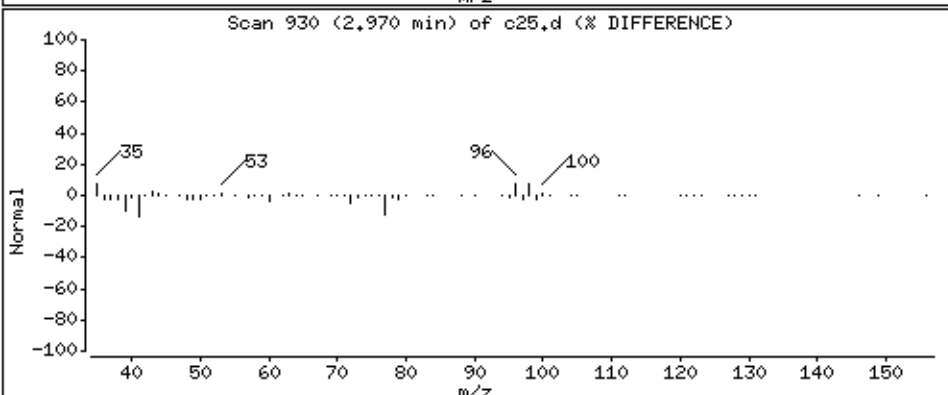
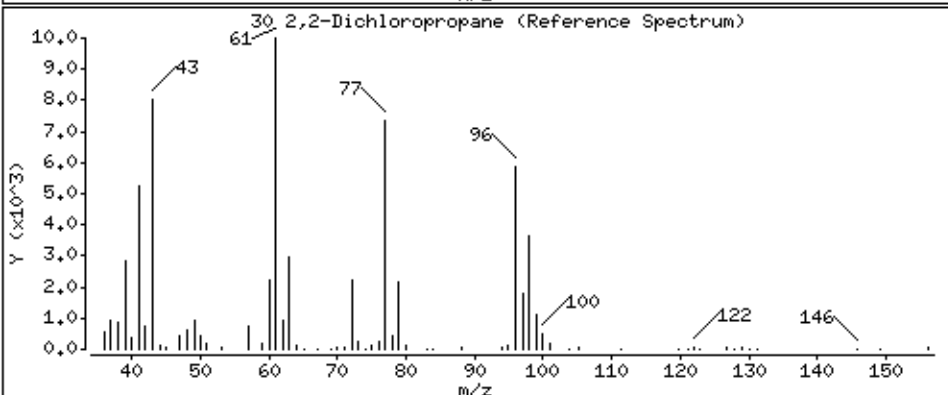
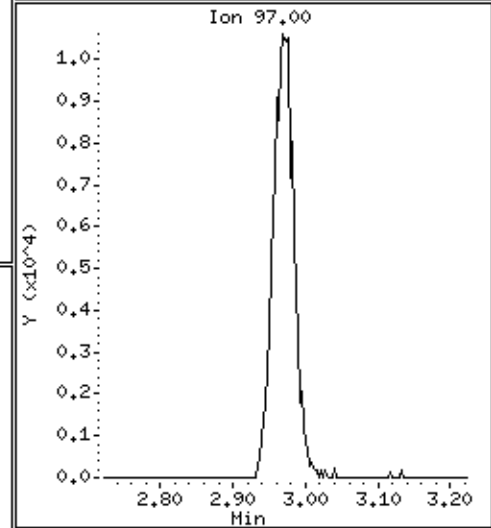
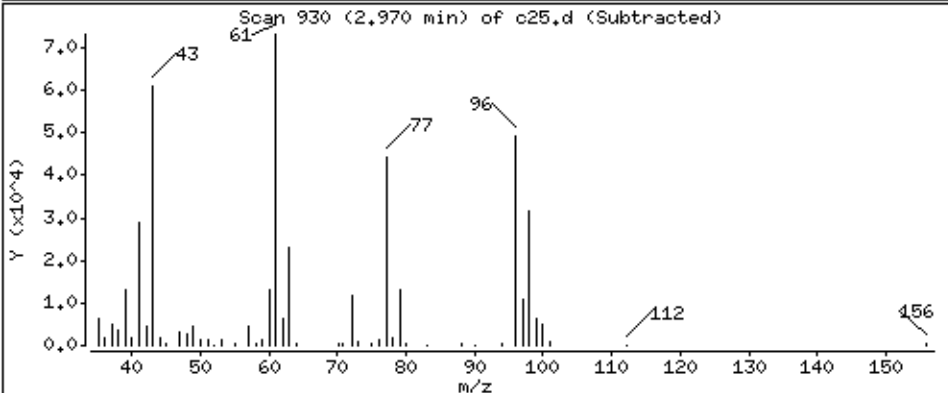
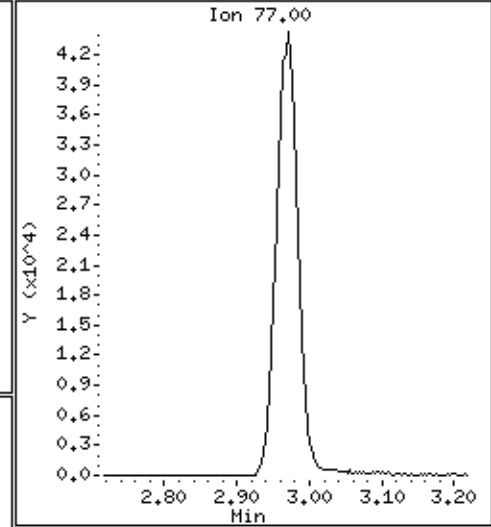
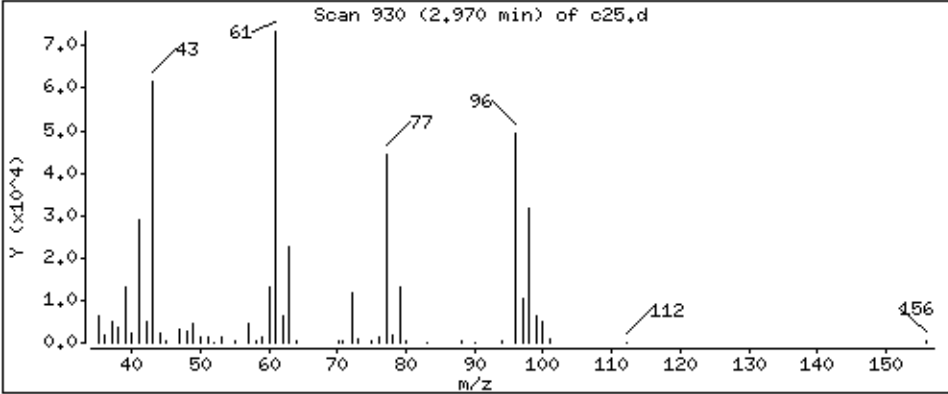
Operator: amv

Column phase: DB-624

Column diameter: 0,18

30 2,2-Dichloropropane

Concentration: 33,2 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

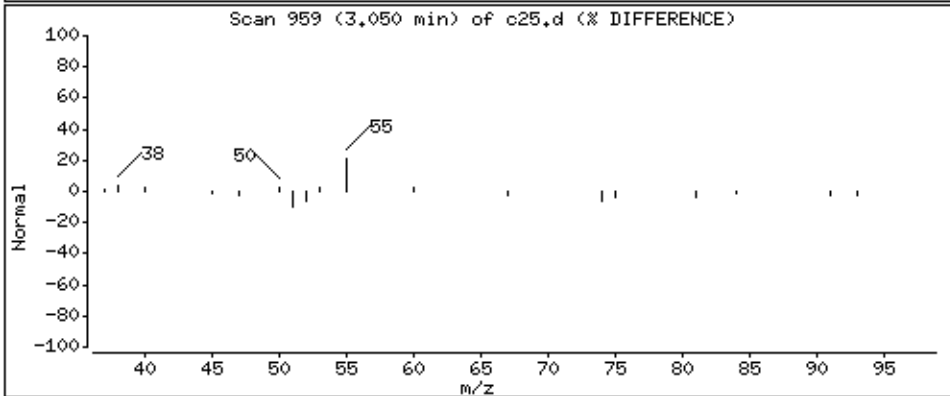
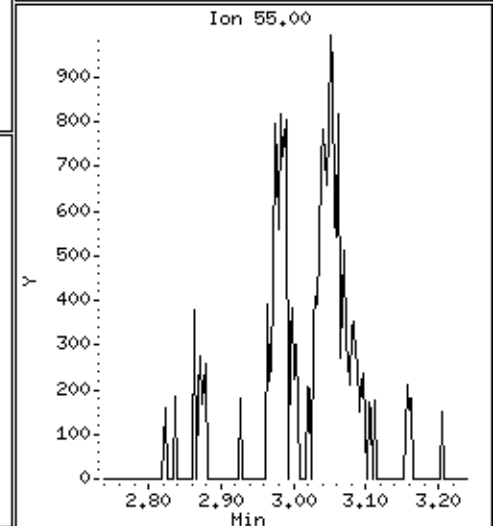
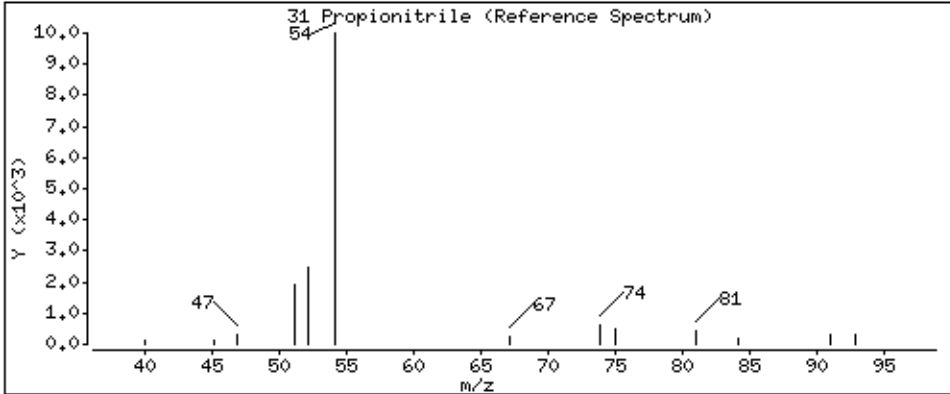
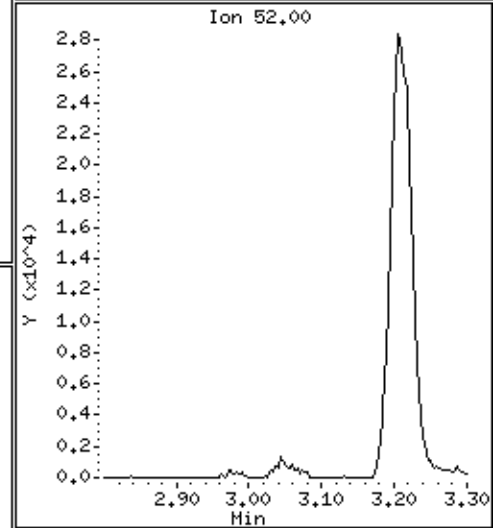
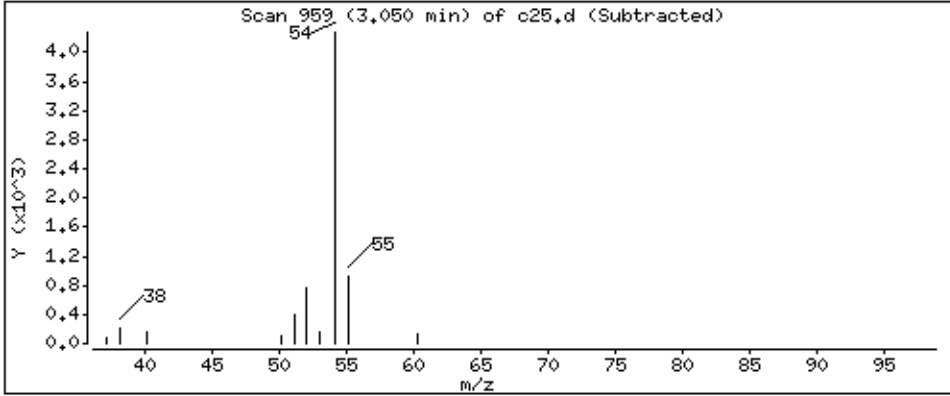
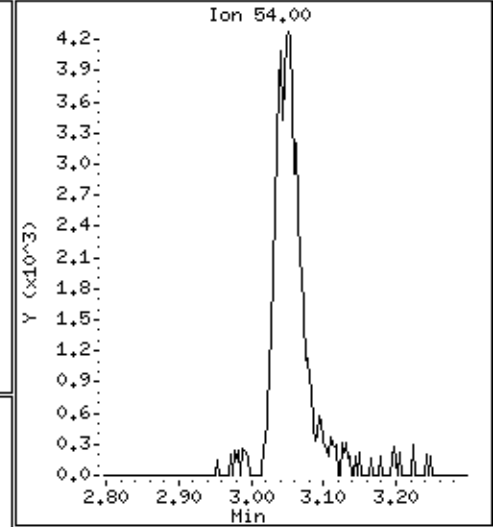
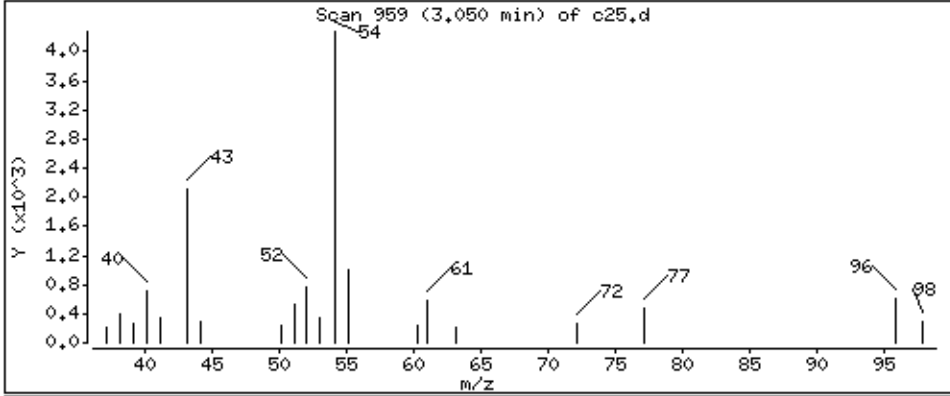
Operator: amv

Column phase: DB-624

Column diameter: 0,18

31 Propionitrile

Concentration: 45,8 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

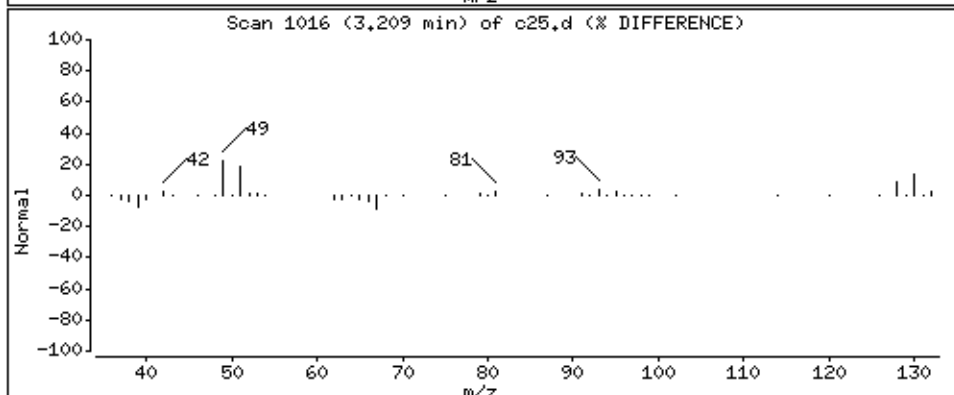
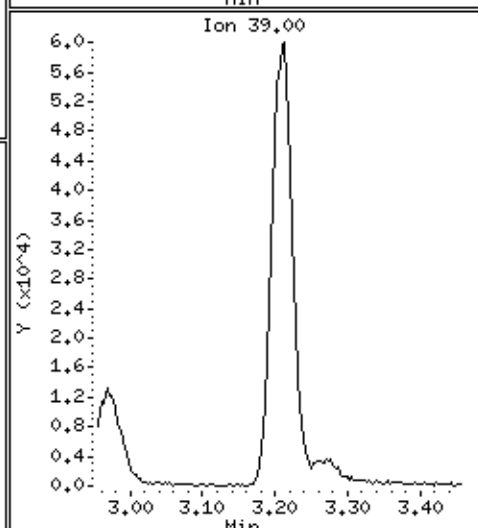
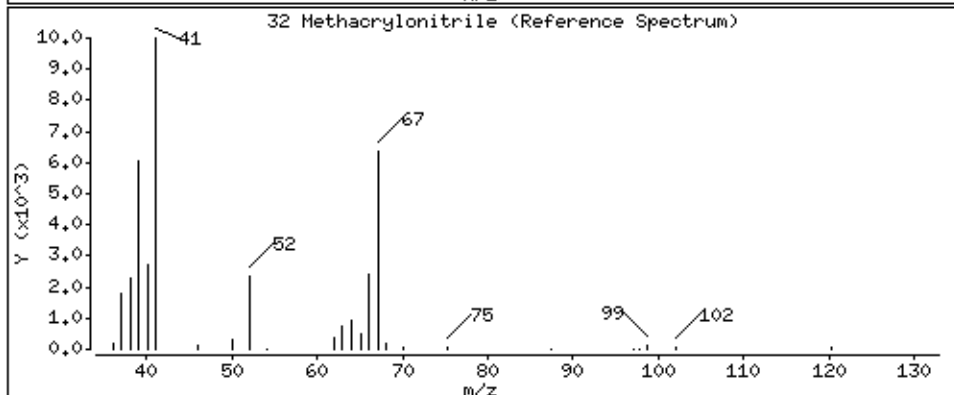
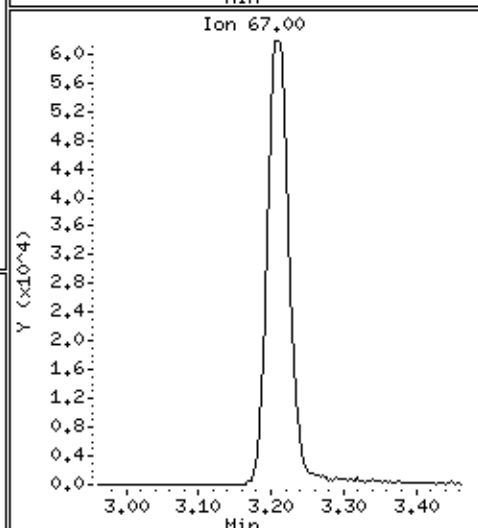
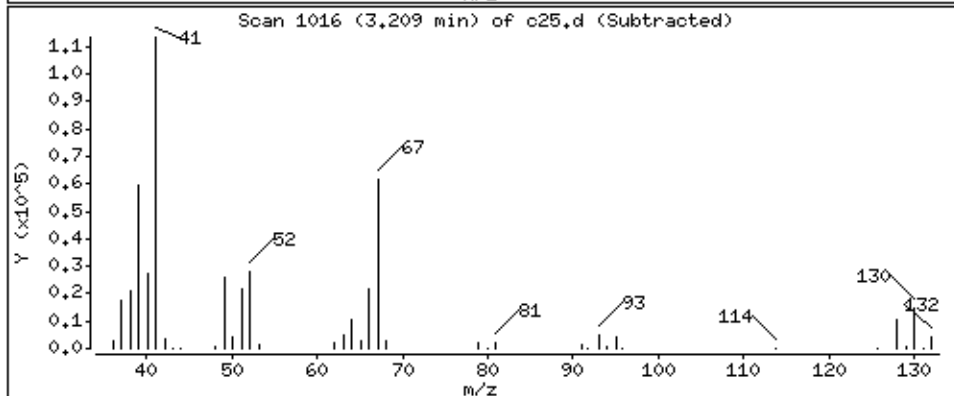
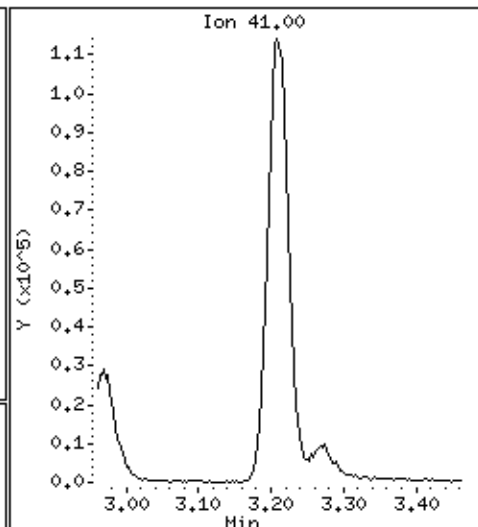
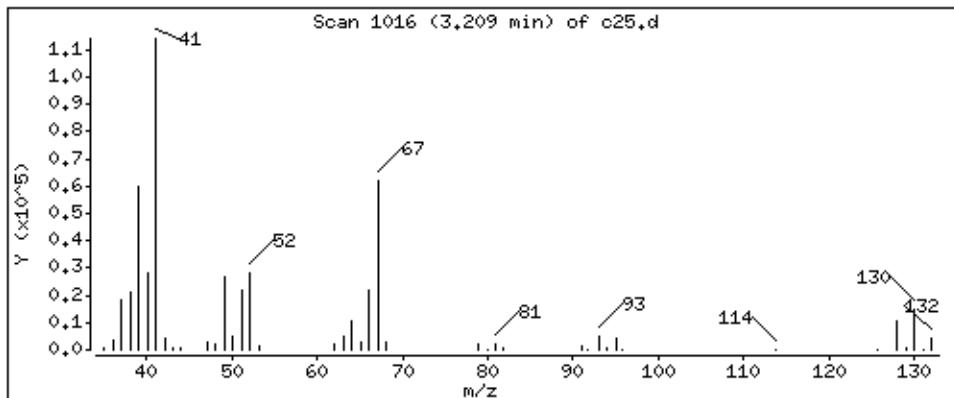
Operator: amv

Column phase: DB-624

Column diameter: 0.18

32 Methacrylonitrile

Concentration: 195 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

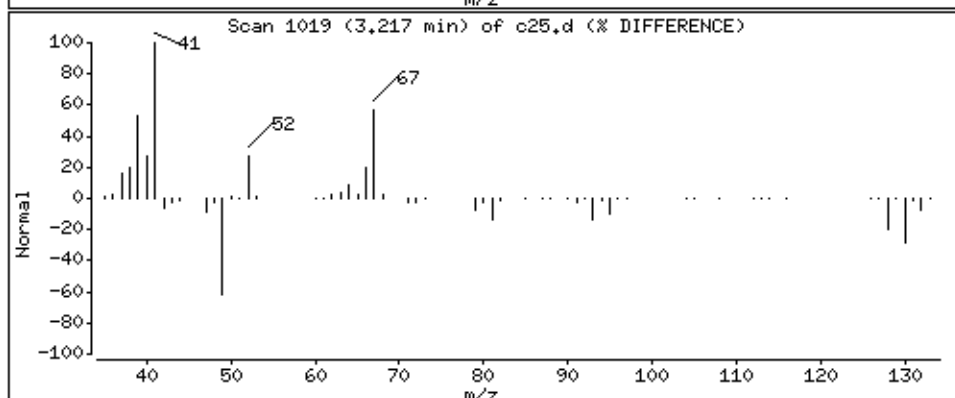
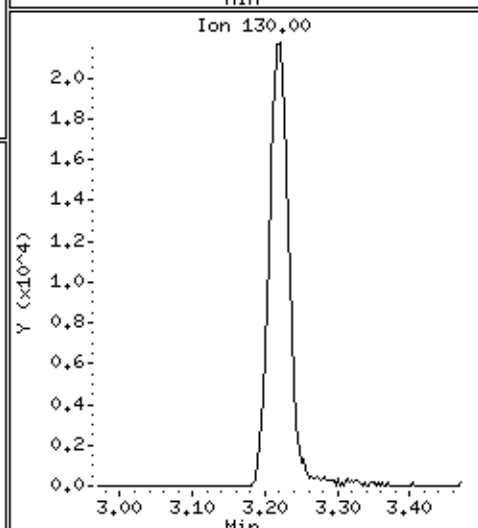
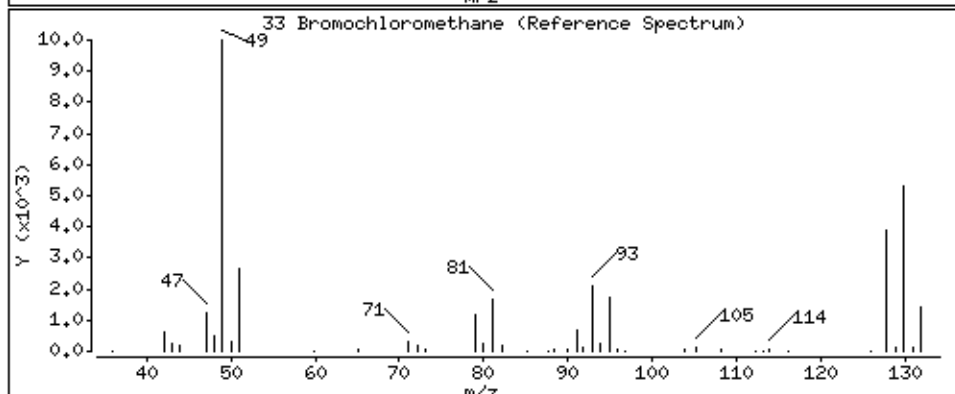
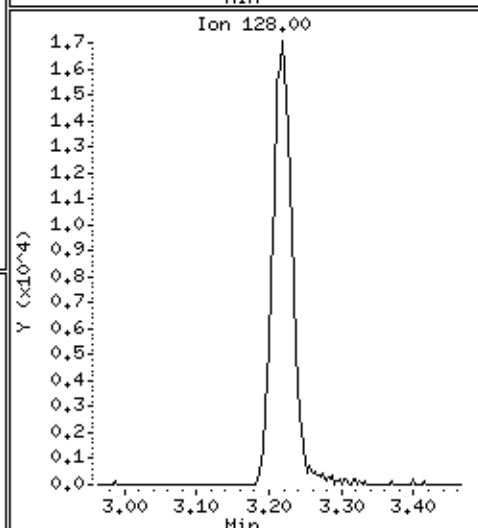
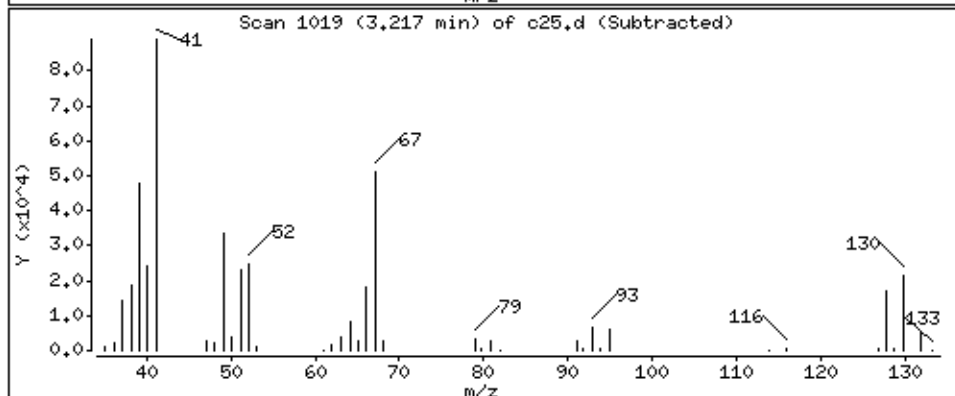
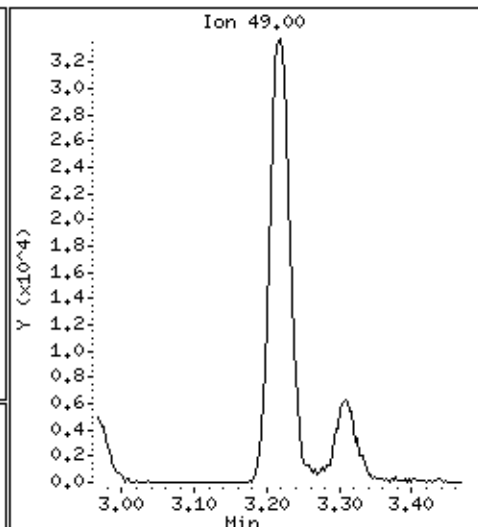
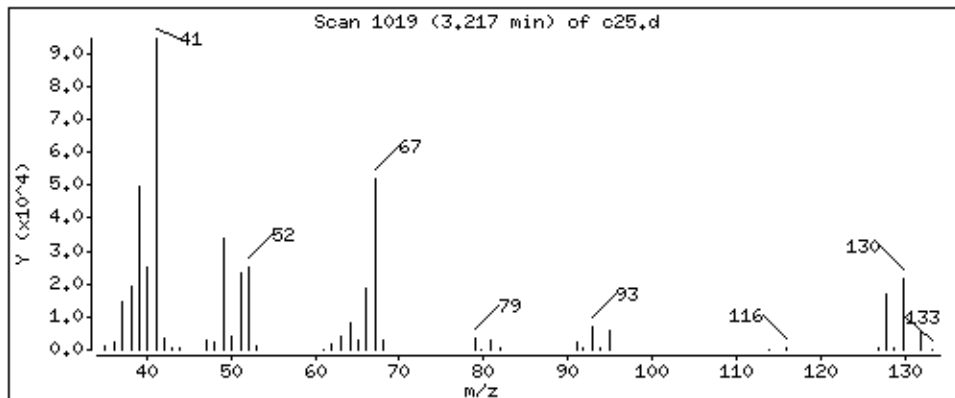
Operator: amv

Column phase: DB-624

Column diameter: 0,18

33 Bromochloromethane

Concentration: 44.0 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mw2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

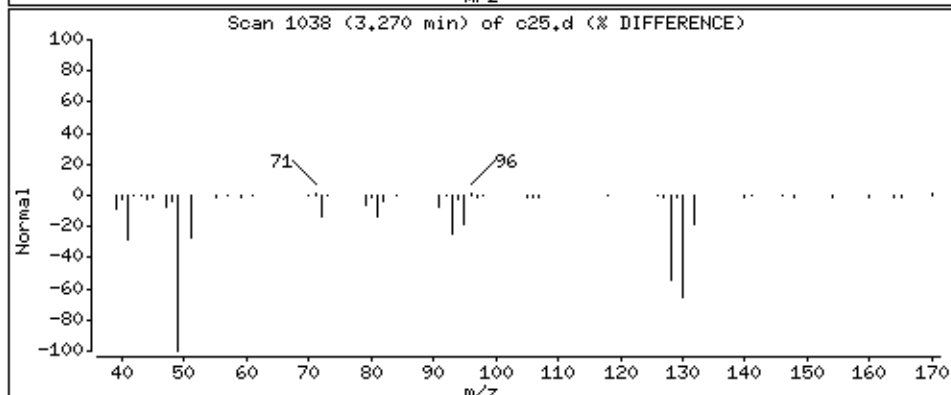
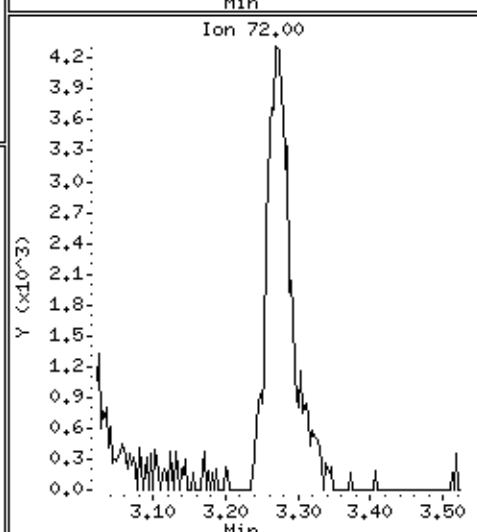
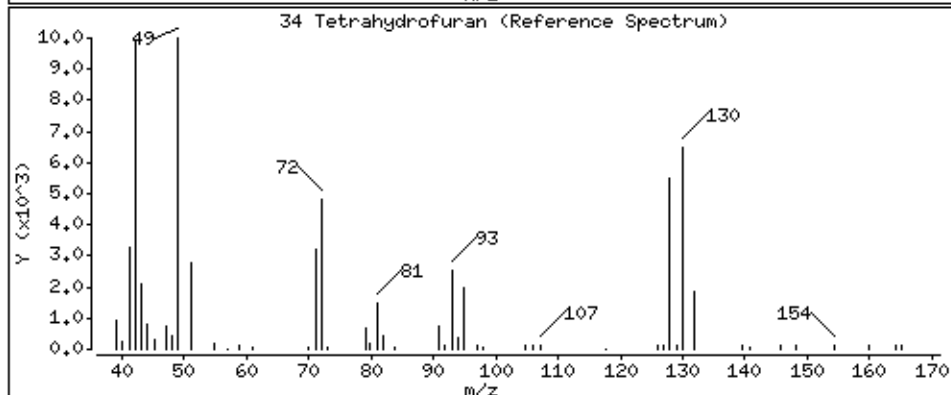
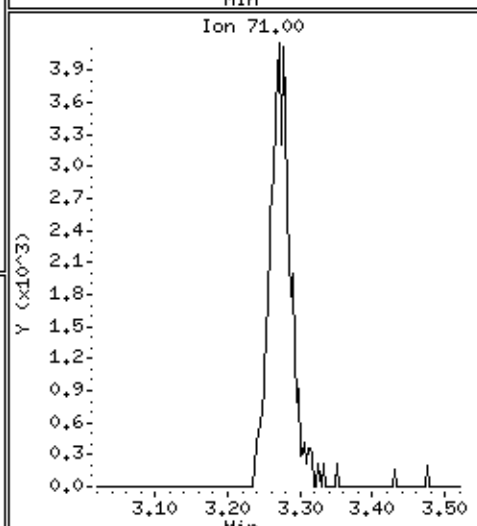
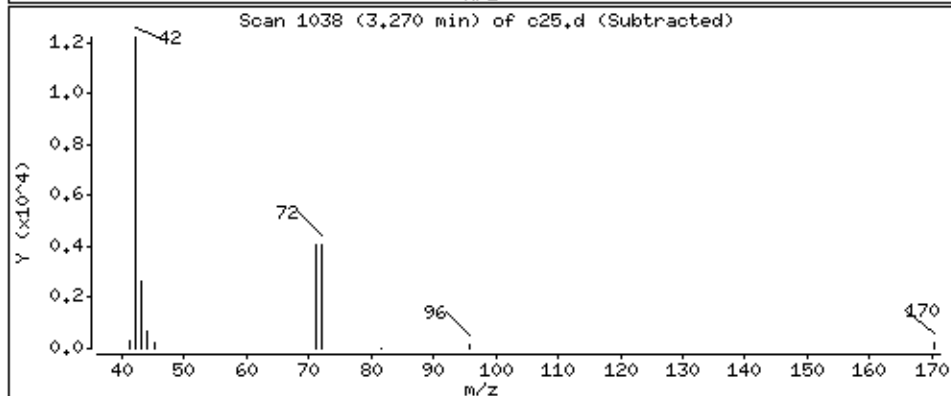
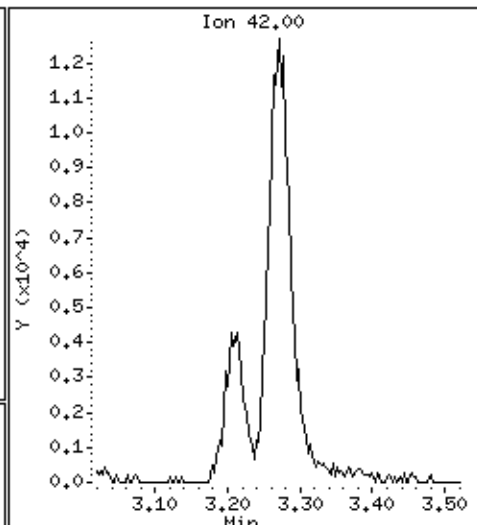
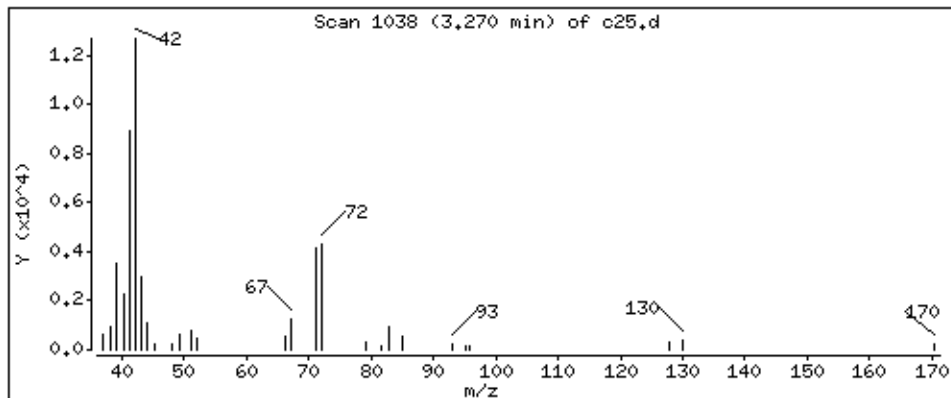
Operator: amv

Column phase: DB-624

Column diameter: 0,18

34 Tetrahydrofuran

Concentration: 45,6 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

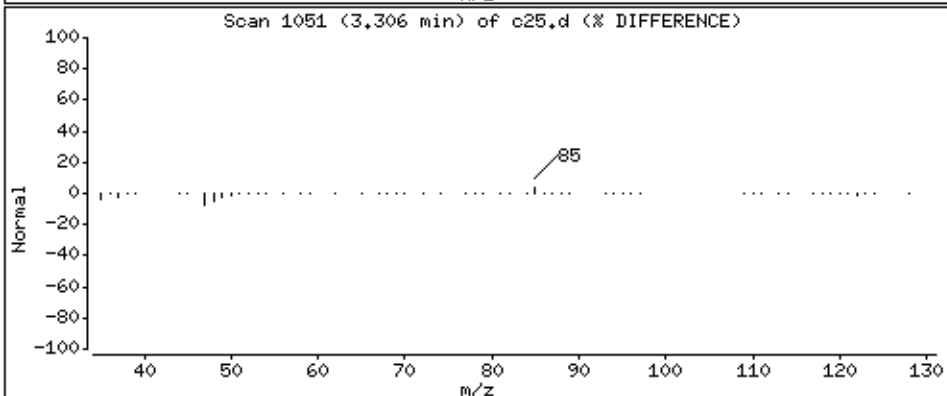
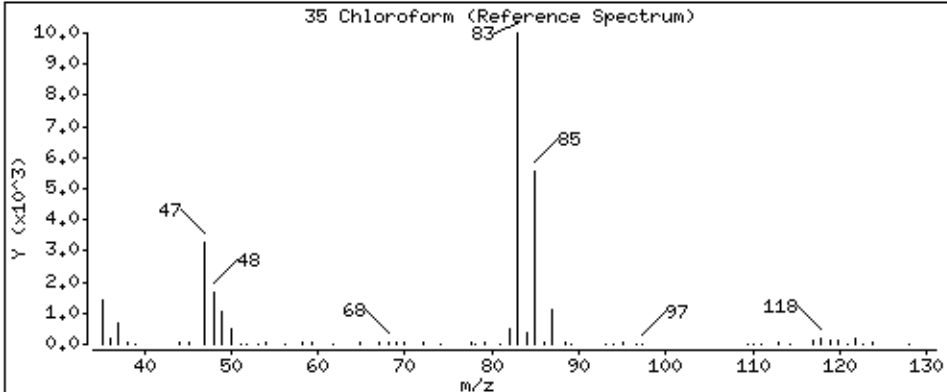
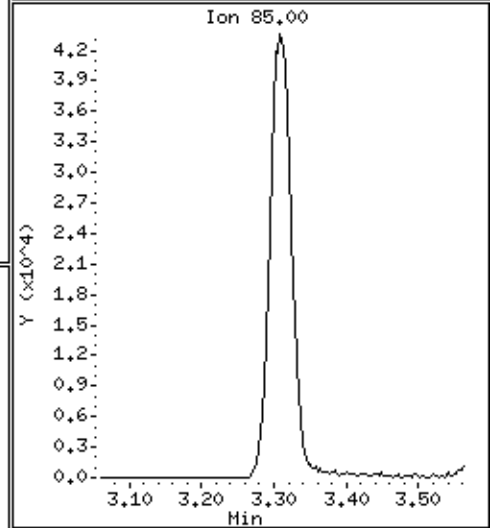
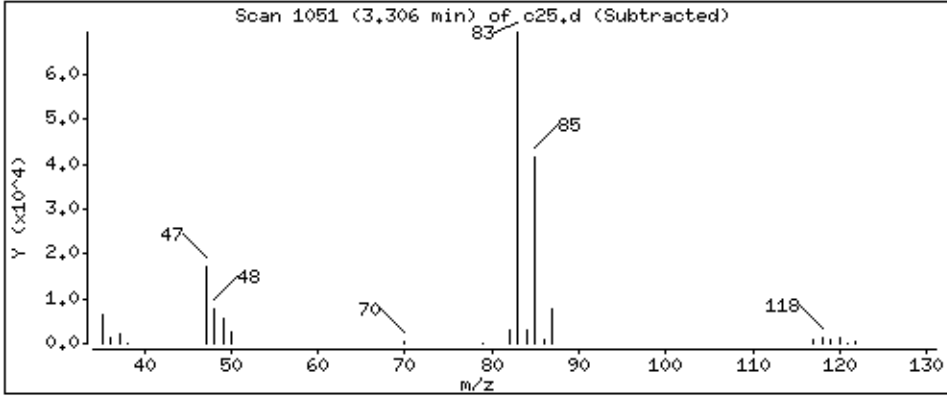
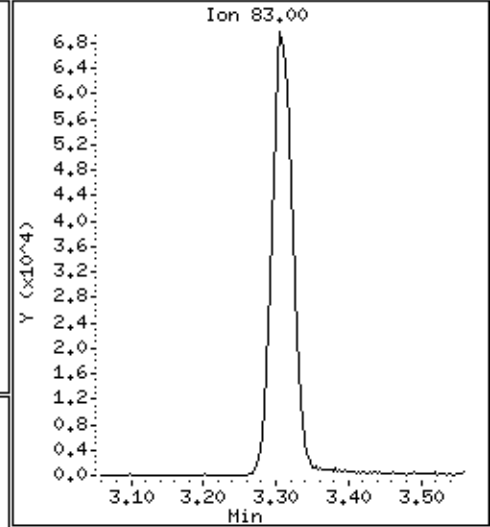
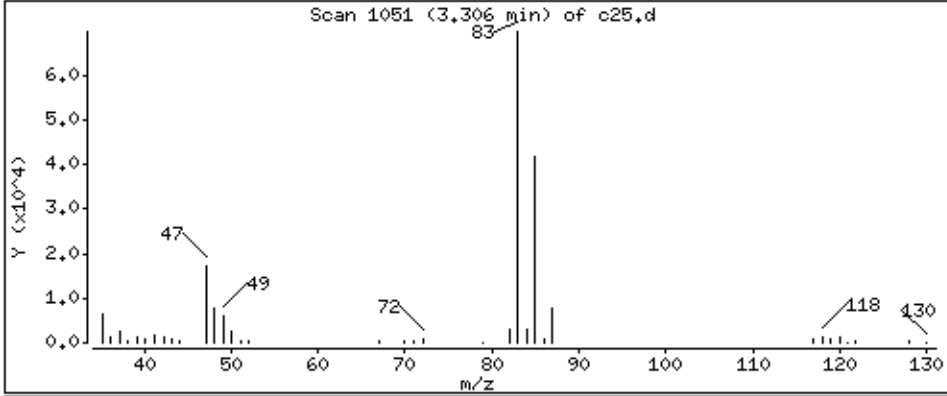
Operator: amv

Column phase: DB-624

Column diameter: 0,18

35 Chloroform

Concentration: 43,7 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

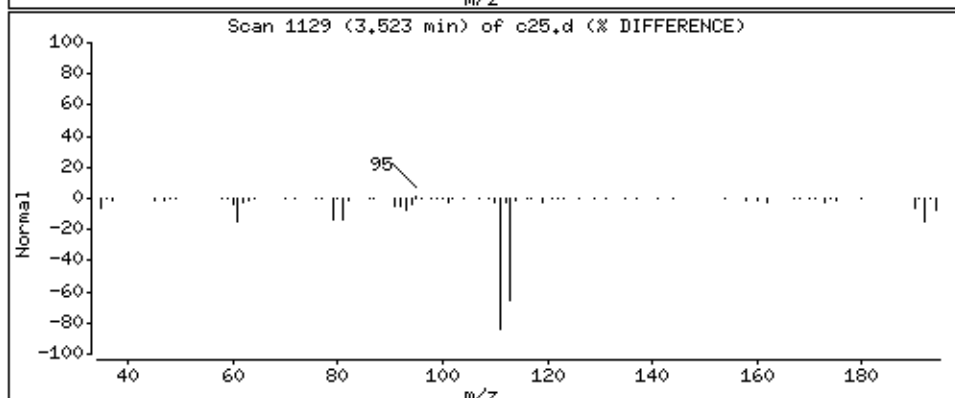
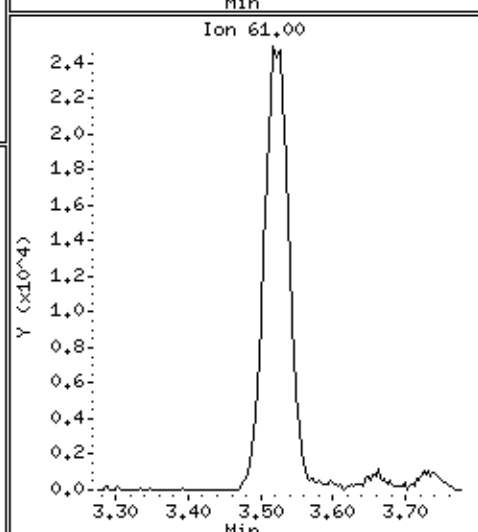
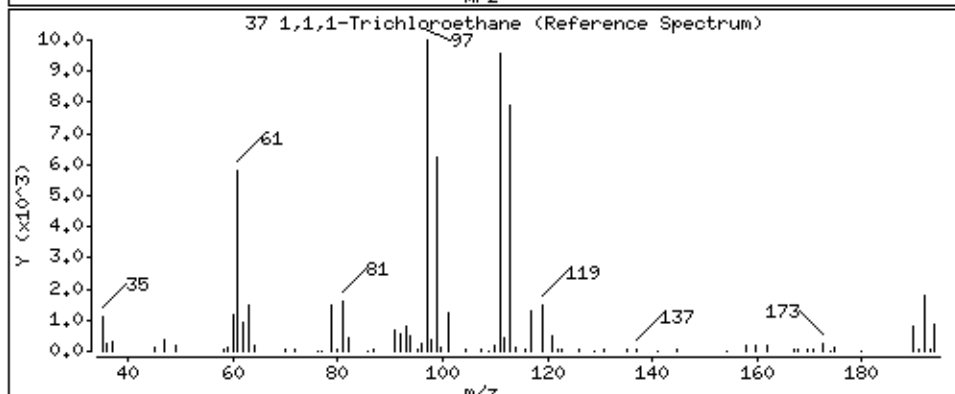
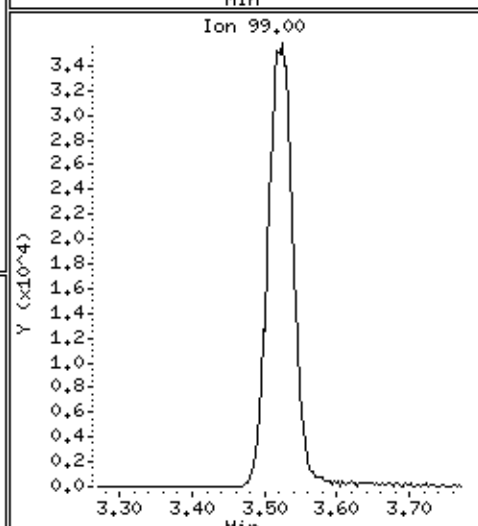
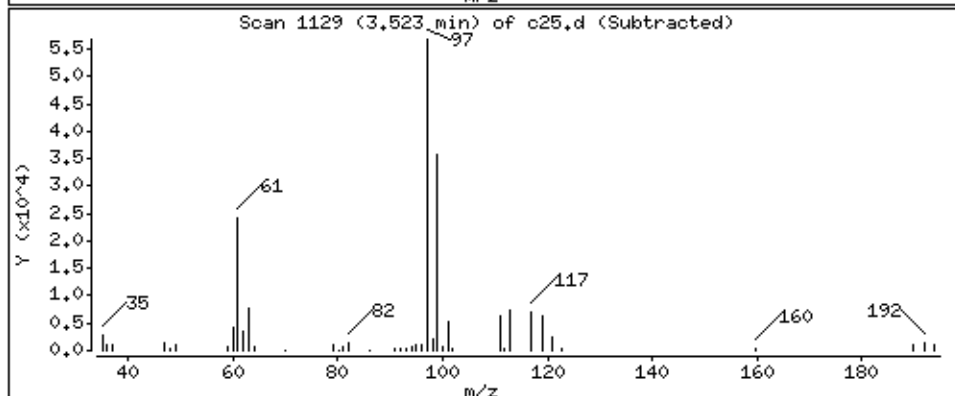
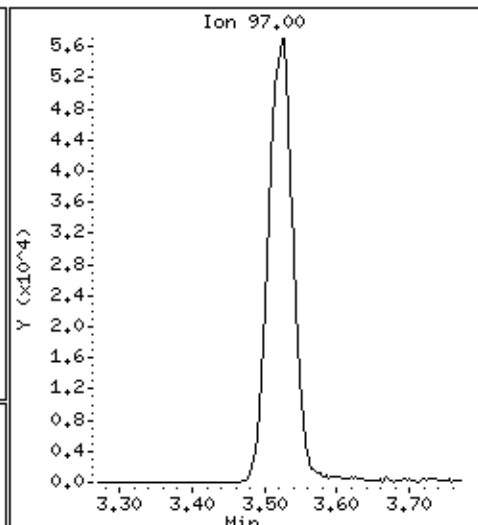
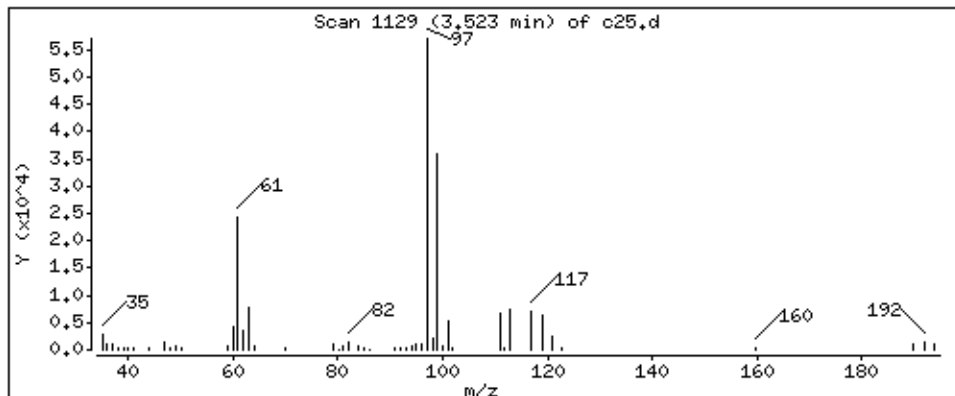
Operator: amv

Column phase: DB-624

Column diameter: 0,18

37 1,1,1-Trichloroethane

Concentration: 49,4 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

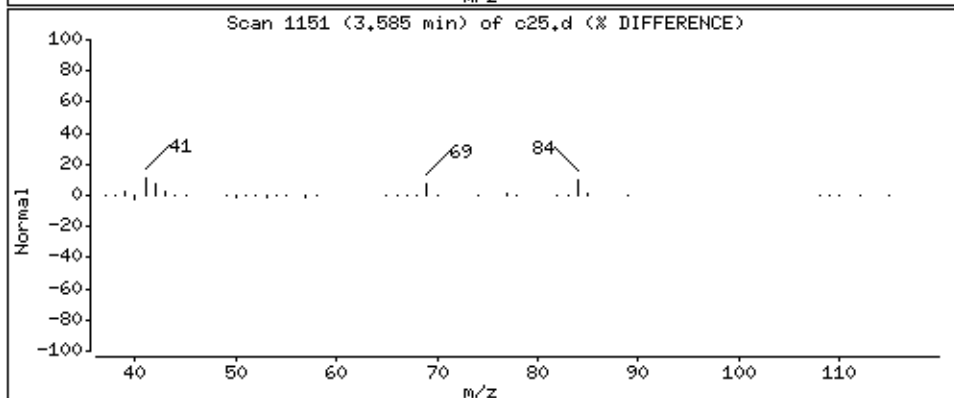
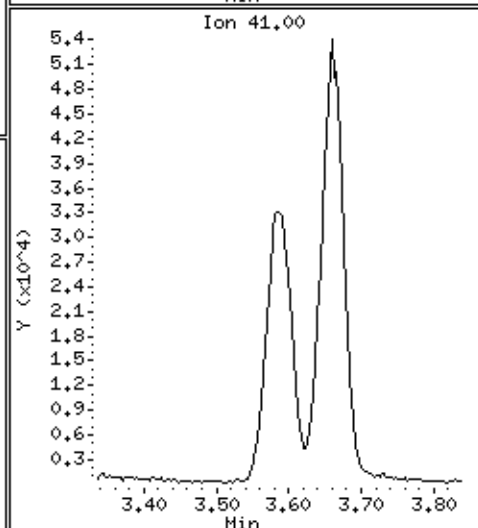
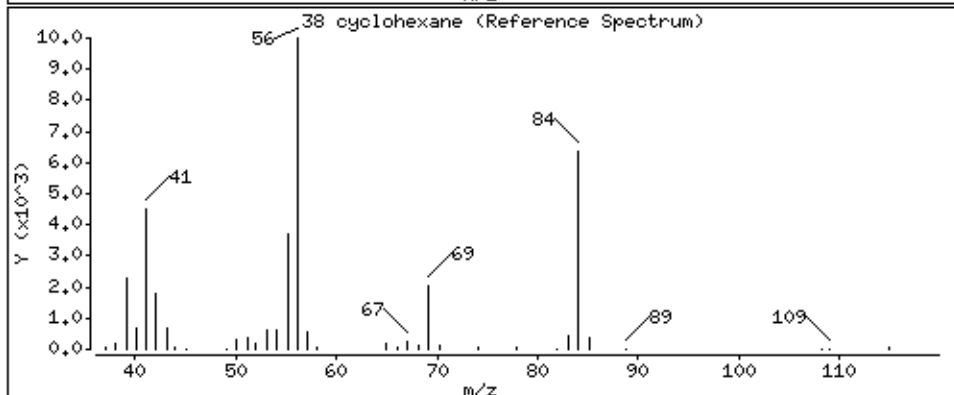
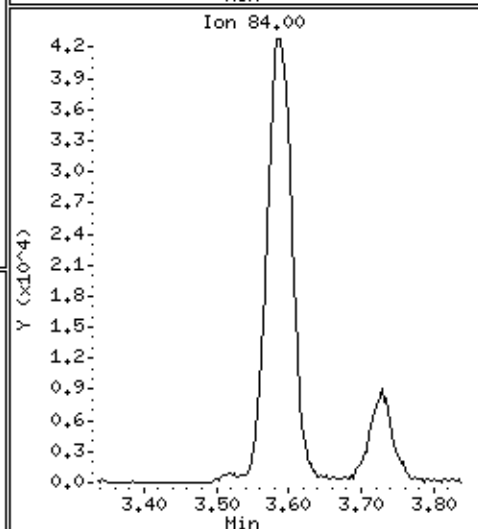
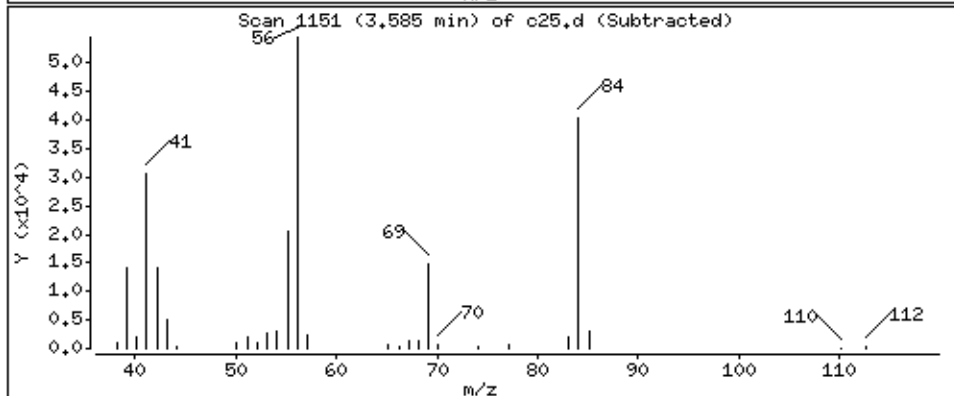
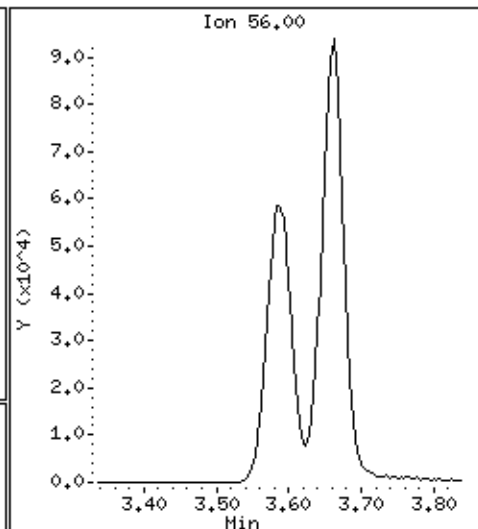
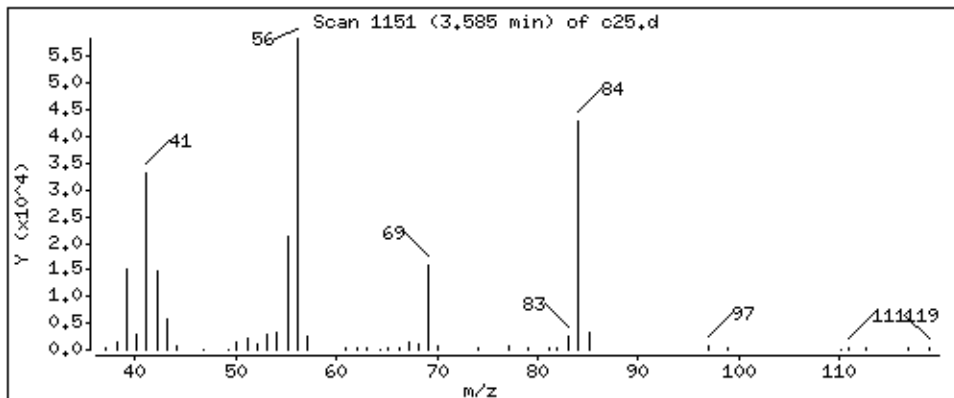
Operator: amv

Column phase: DB-624

Column diameter: 0,18

38 cyclohexane

Concentration: 36,5 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

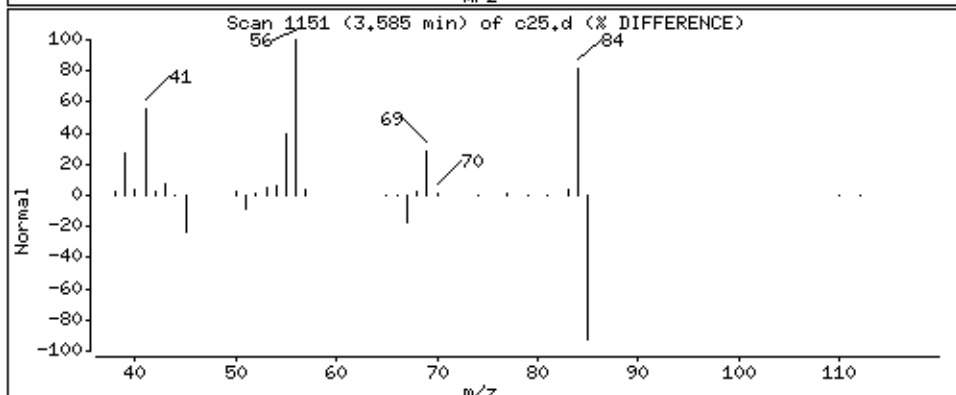
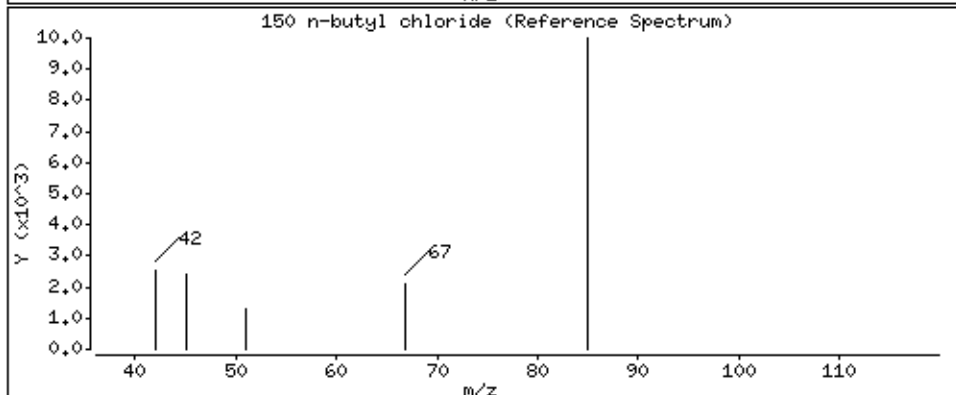
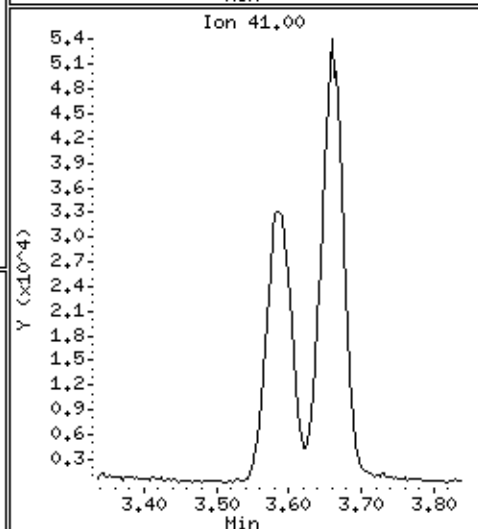
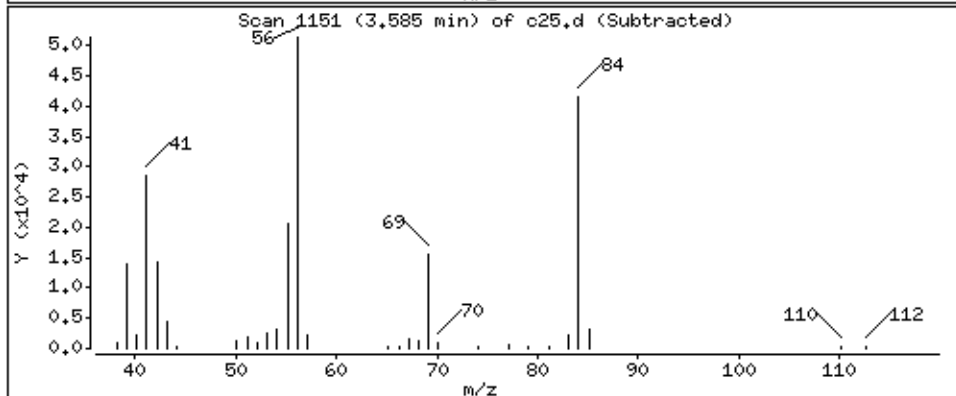
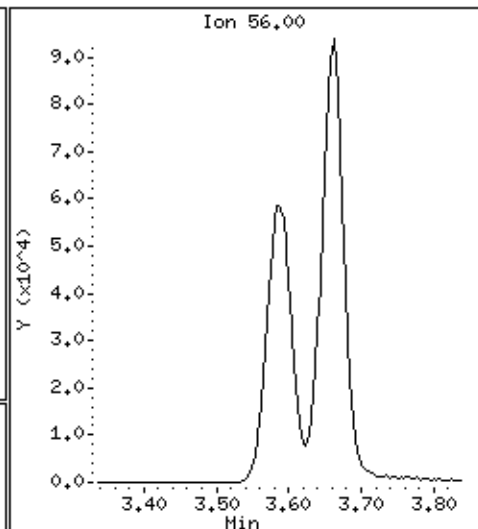
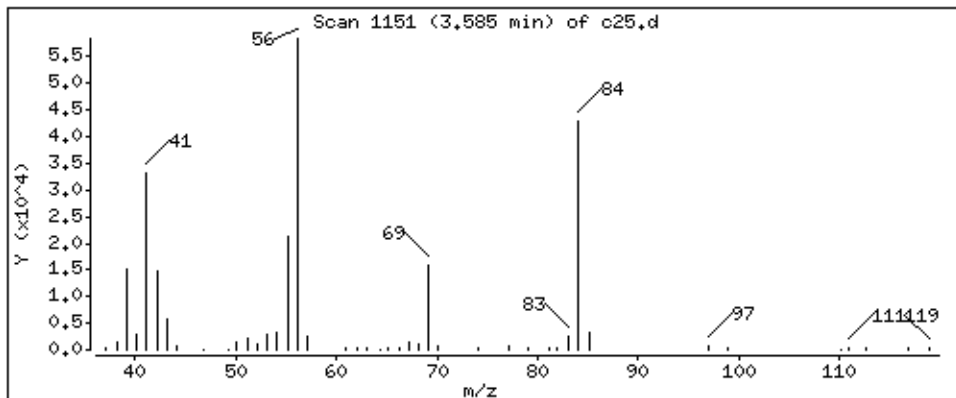
Operator: amv

Column phase: DB-624

Column diameter: 0,18

150 n-butyl chloride

Concentration: 31.7 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

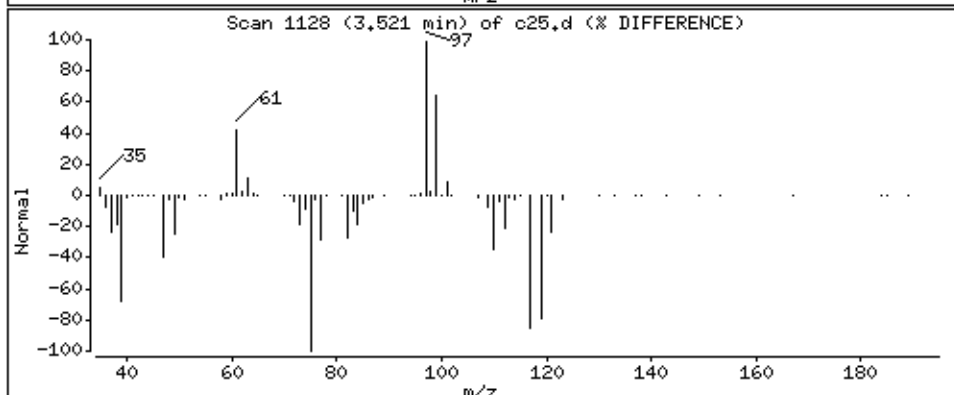
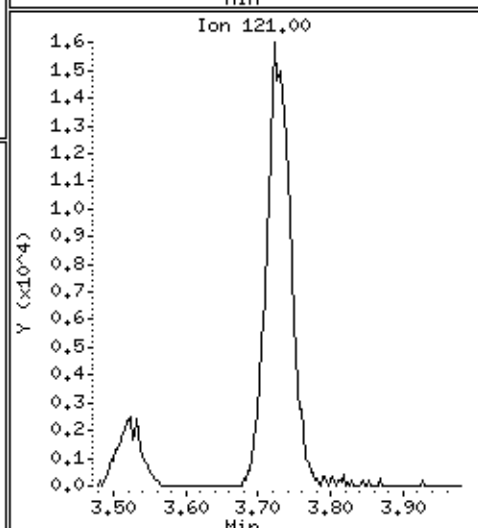
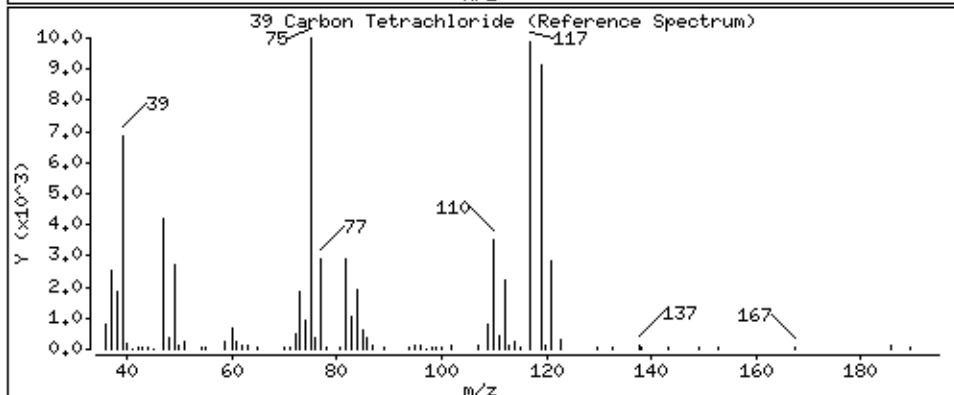
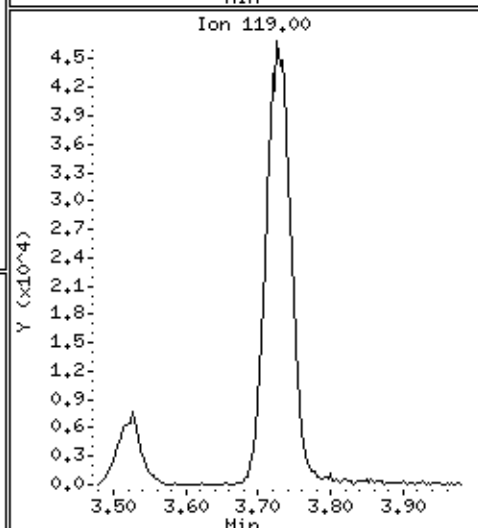
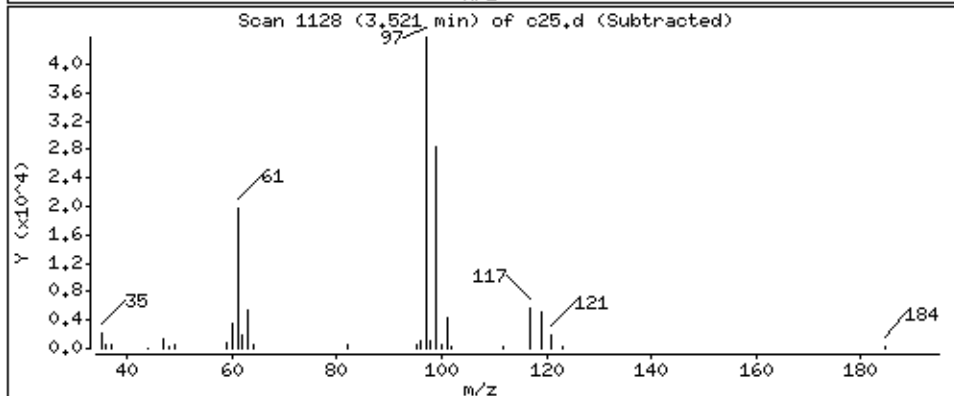
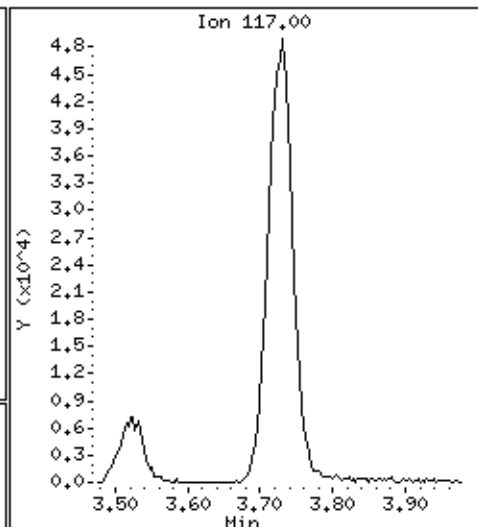
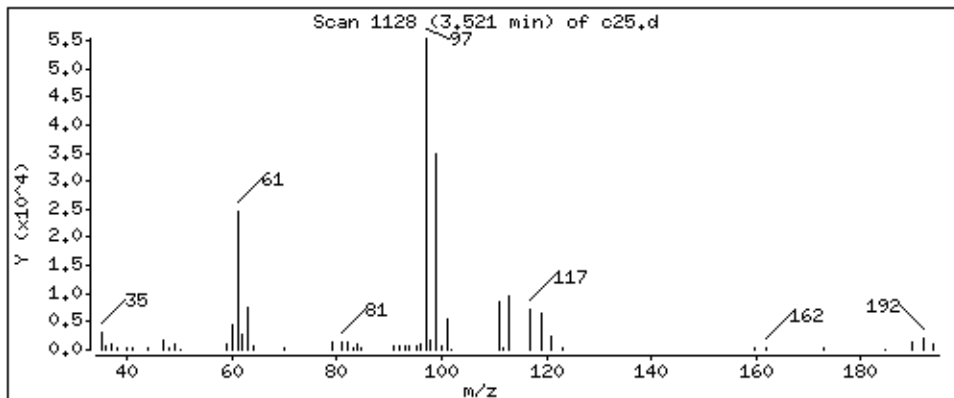
Operator: amv

Column phase: DB-624

Column diameter: 0,18

39 Carbon Tetrachloride

Concentration: 6,13 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

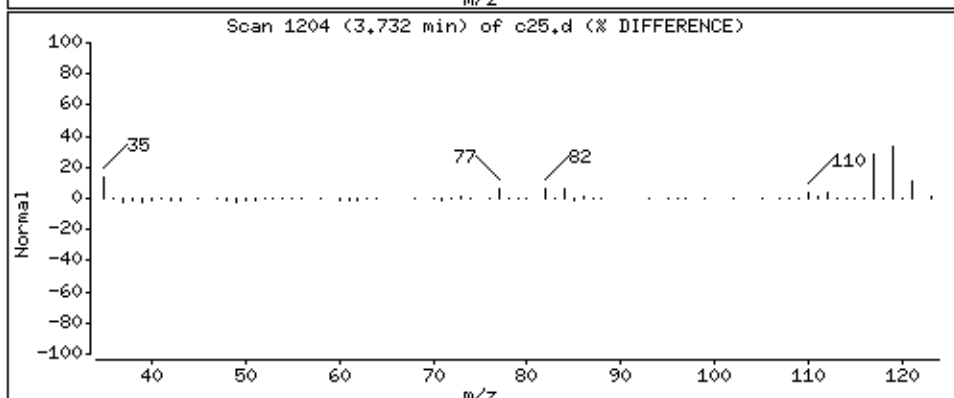
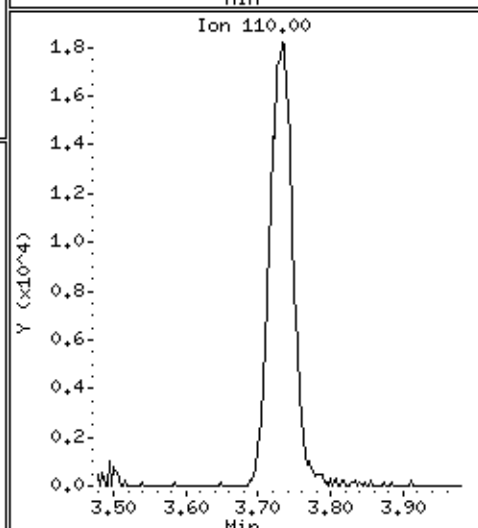
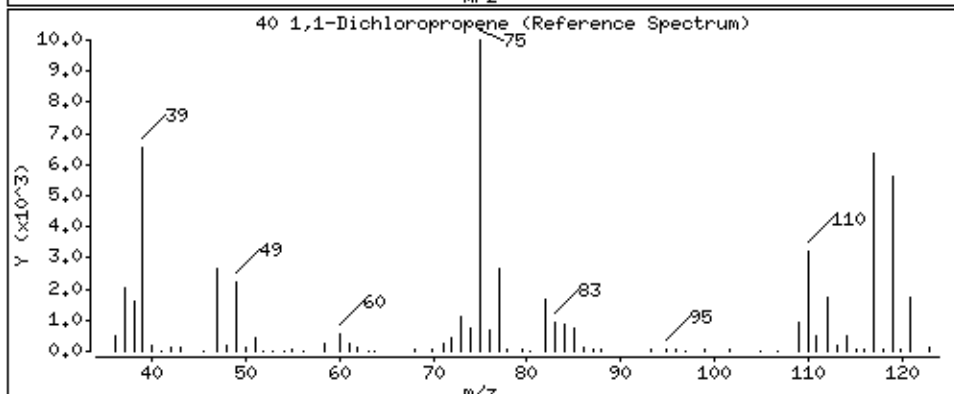
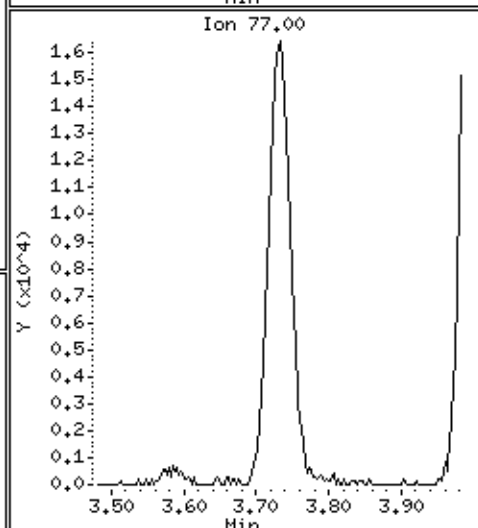
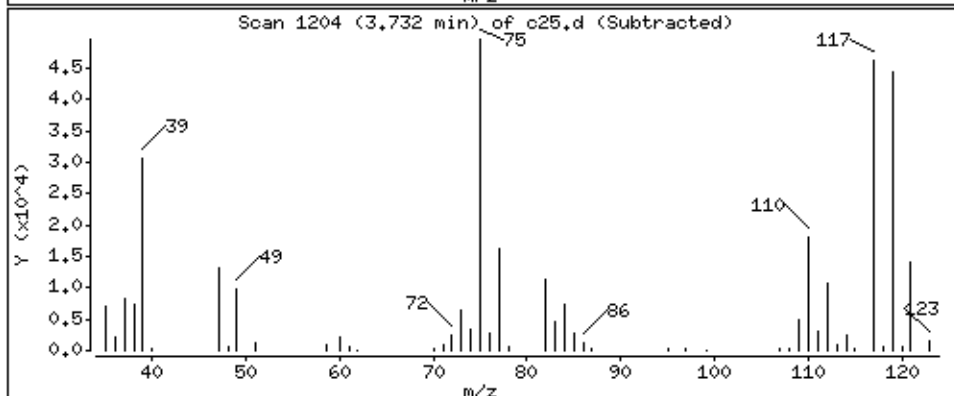
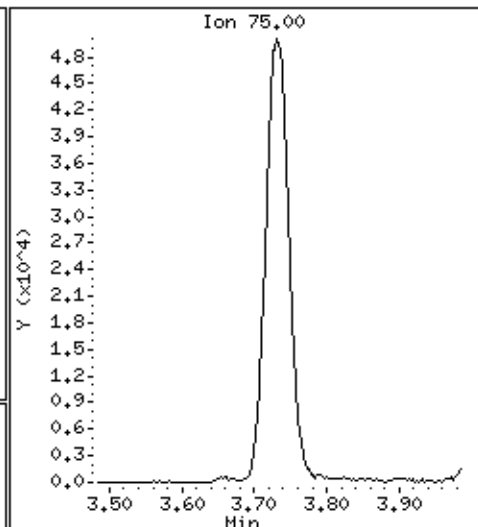
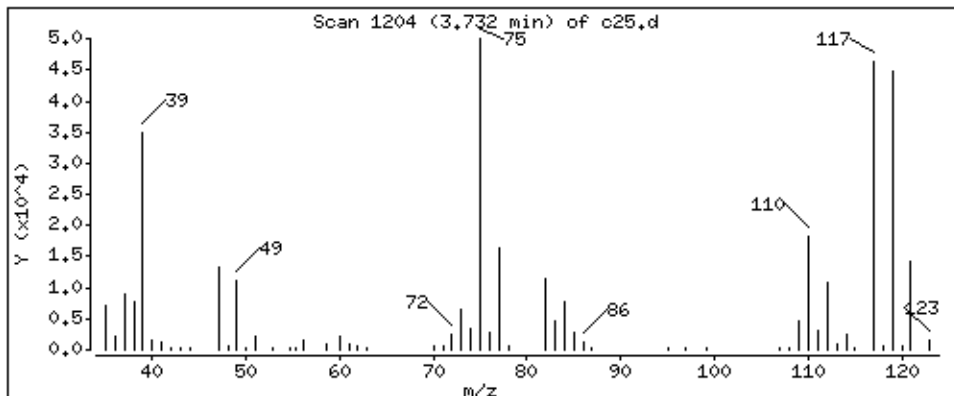
Operator: amv

Column phase: DB-624

Column diameter: 0,18

40 1,1-Dichloropropene

Concentration: 47.7 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

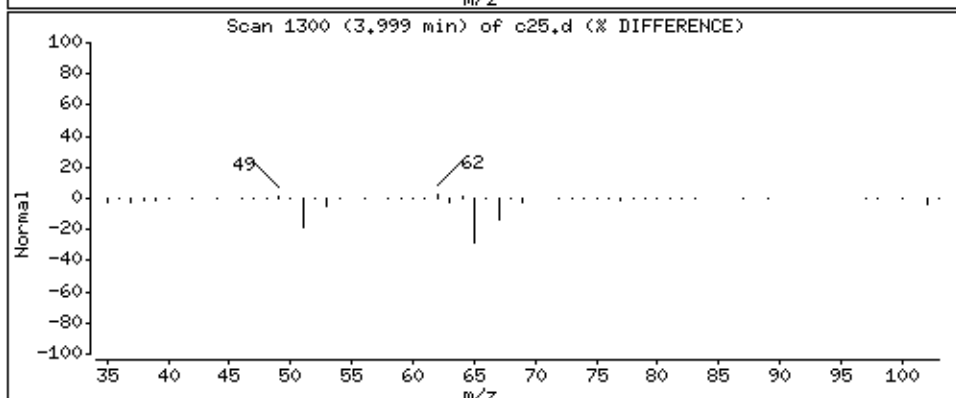
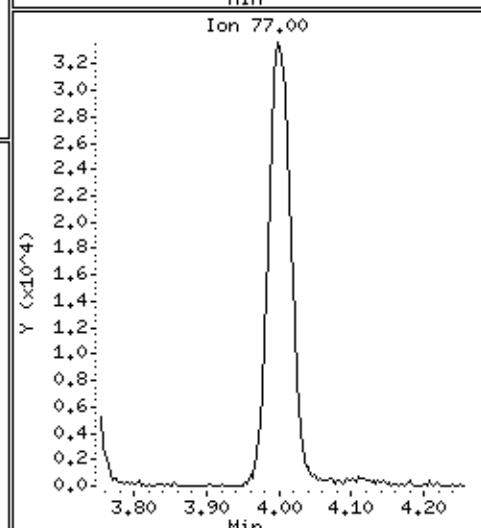
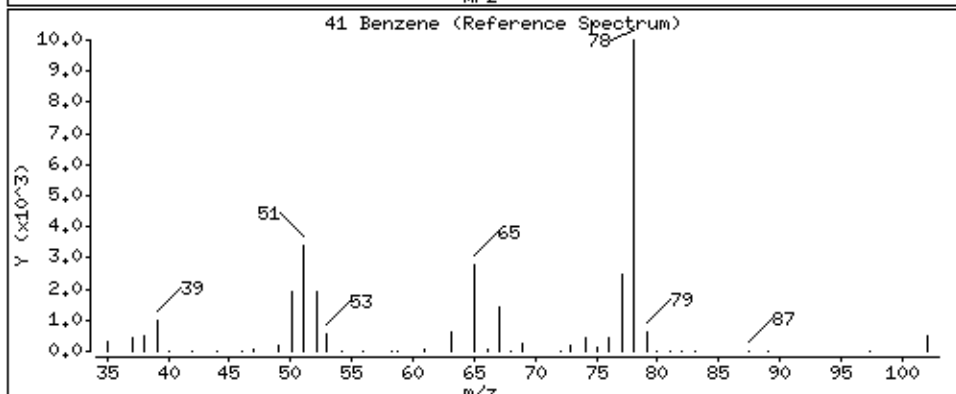
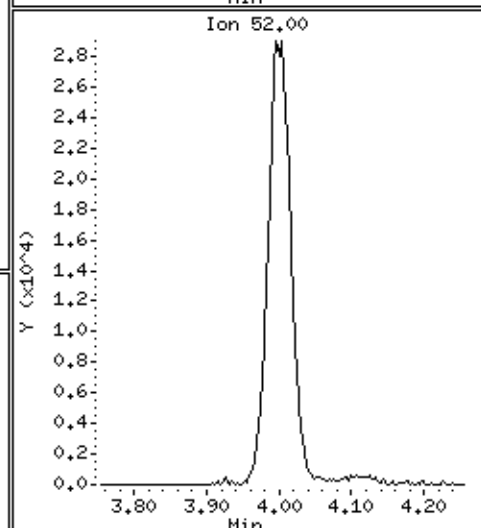
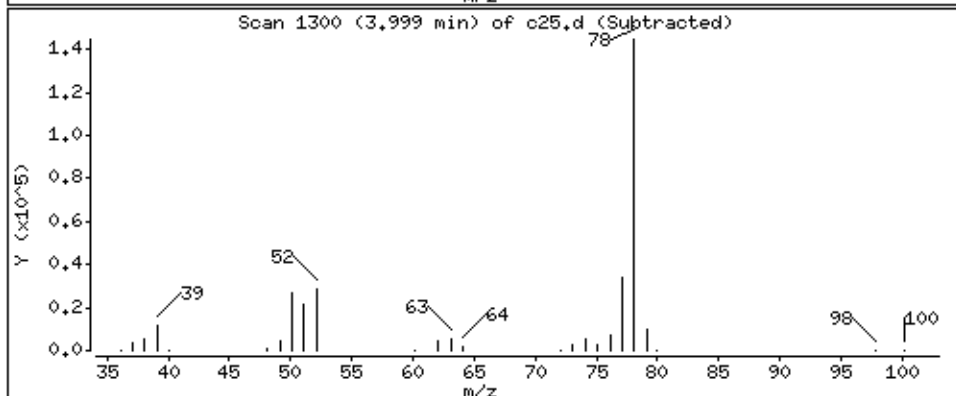
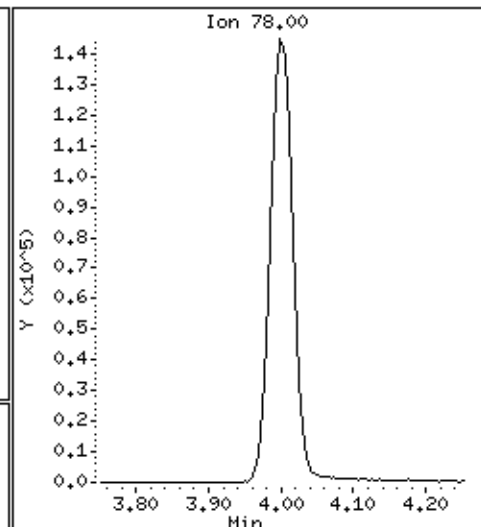
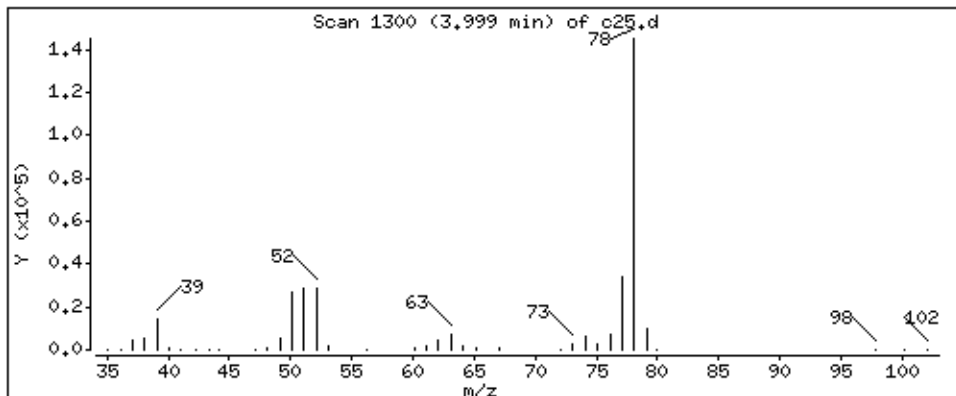
Operator: amv

Column phase: DB-624

Column diameter: 0,18

41 Benzene

Concentration: 48,0 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

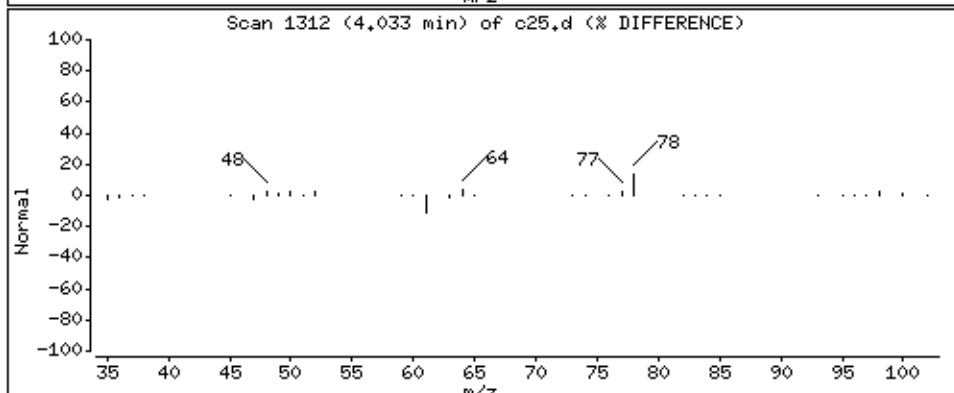
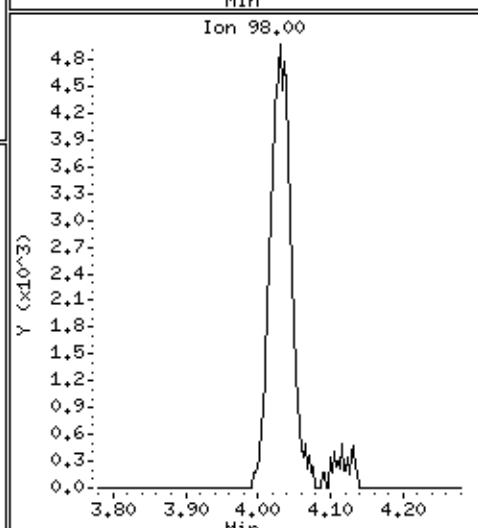
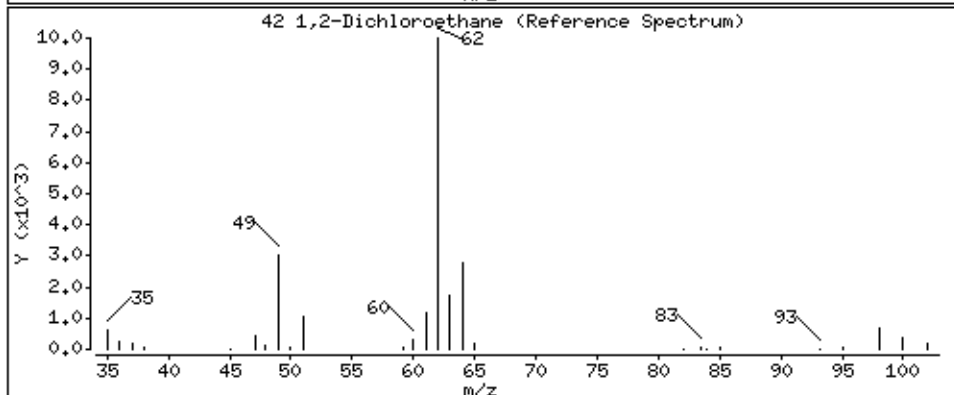
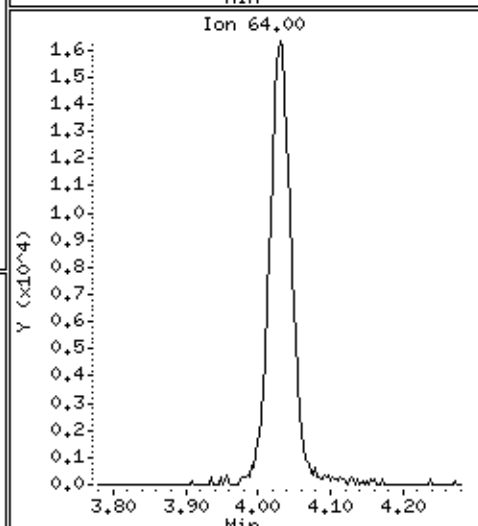
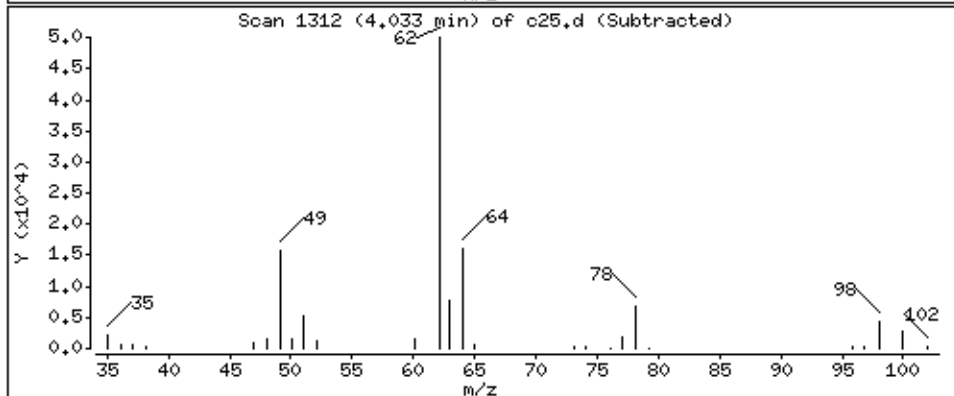
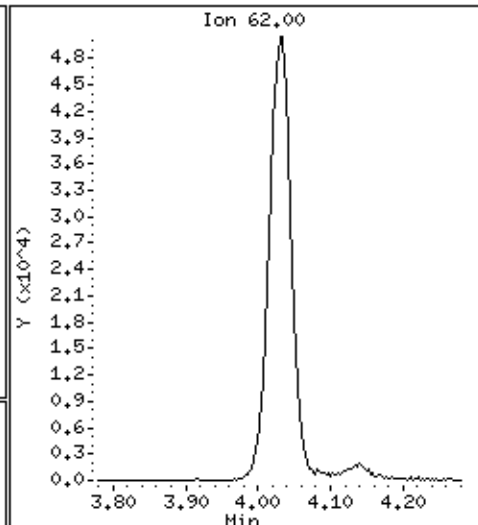
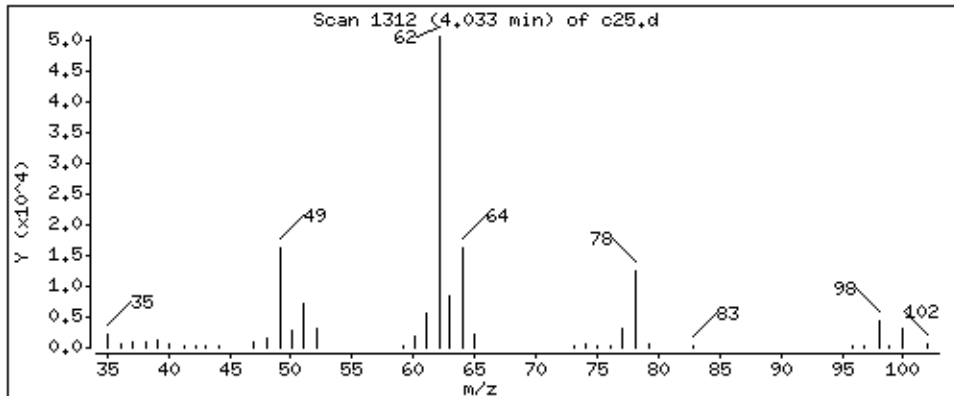
Operator: amv

Column phase: DB-624

Column diameter: 0,18

42 1,2-Dichloroethane

Concentration: 44.3 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

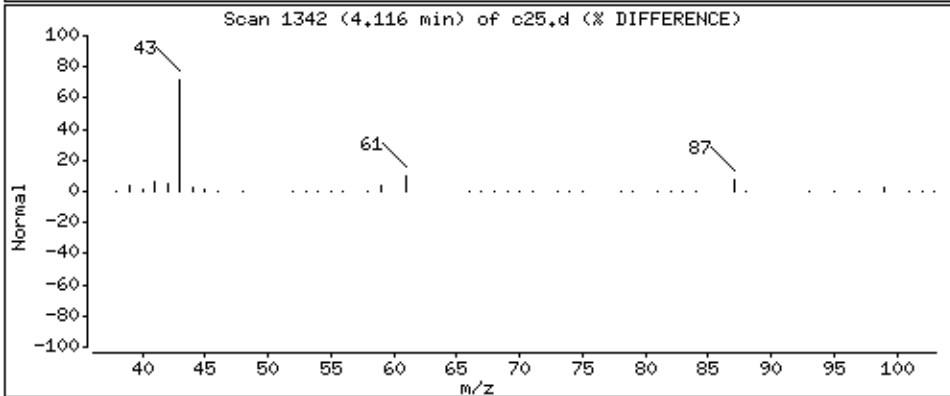
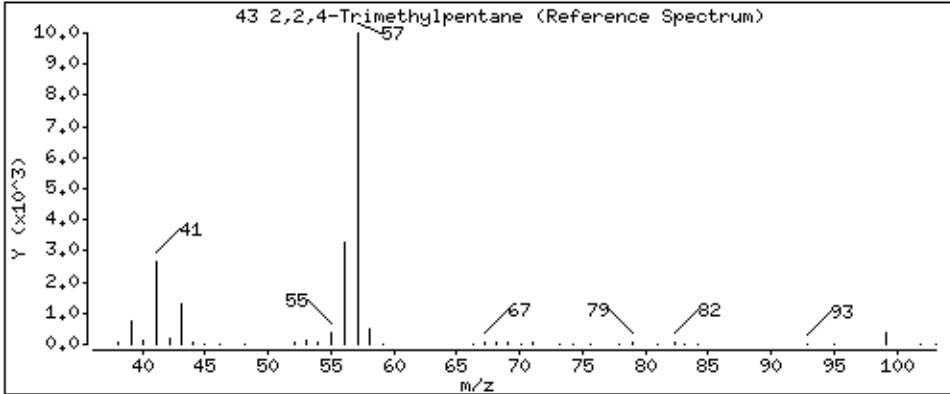
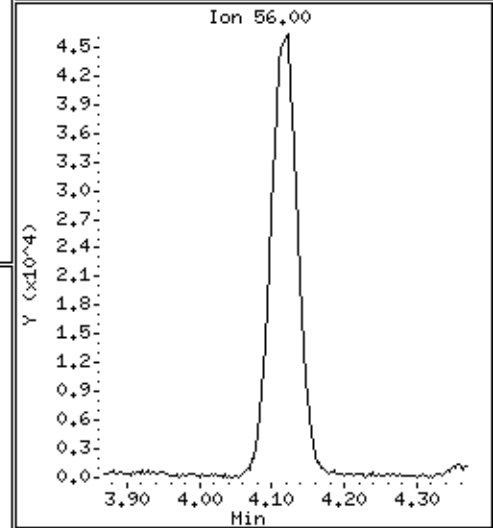
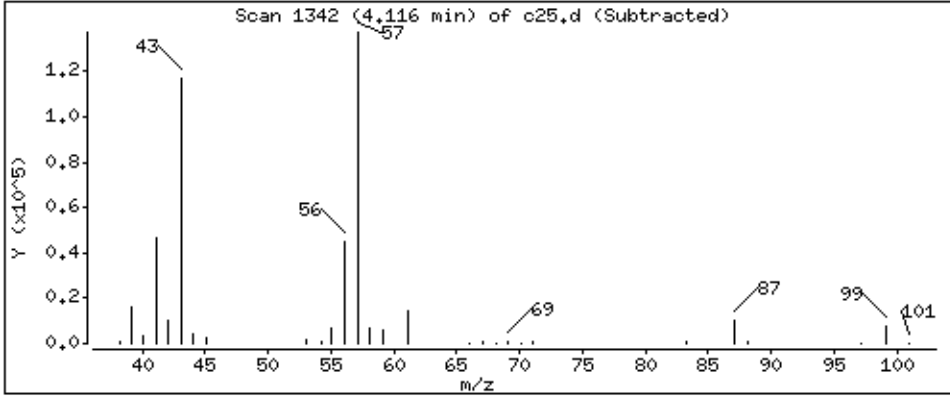
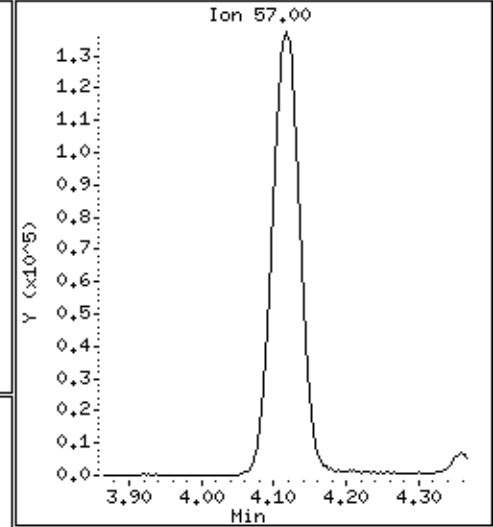
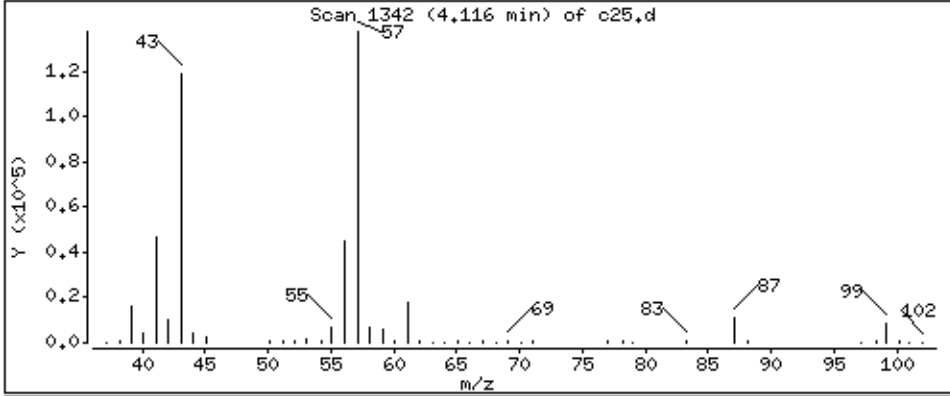
Operator: amv

Column phase: DB-624

Column diameter: 0.18

43 2,2,4-Trimethylpentane

Concentration: 48.8 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

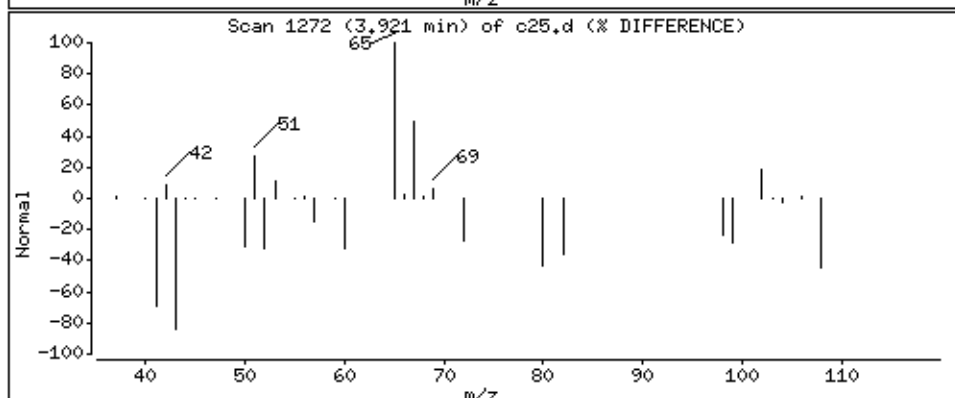
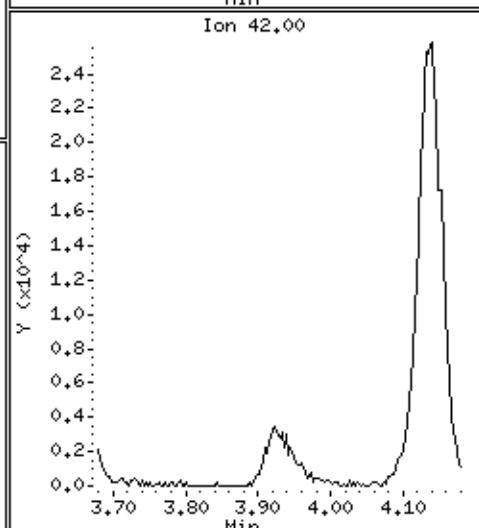
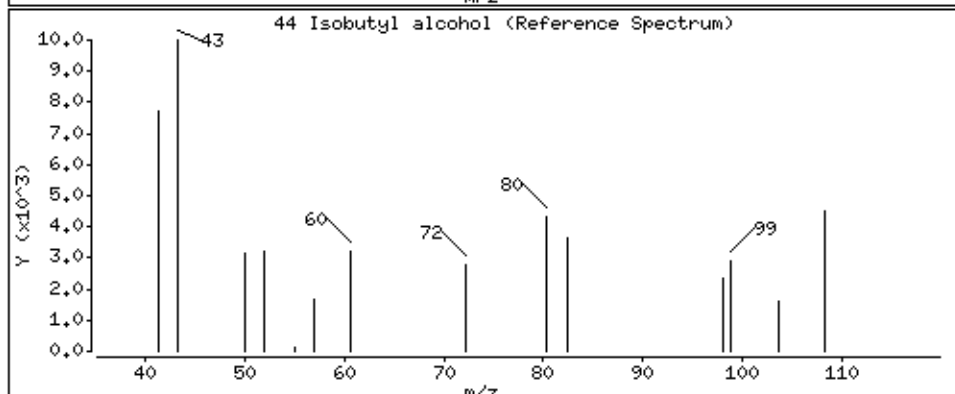
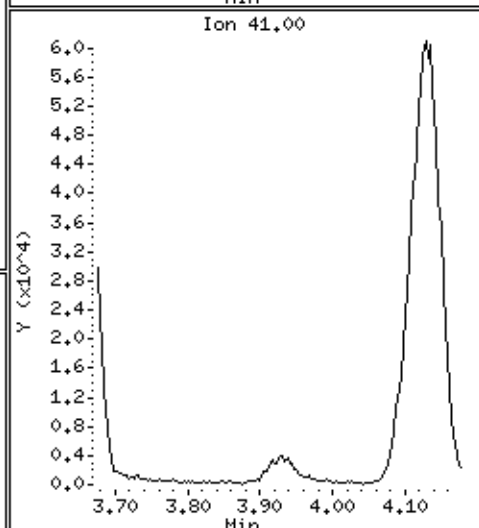
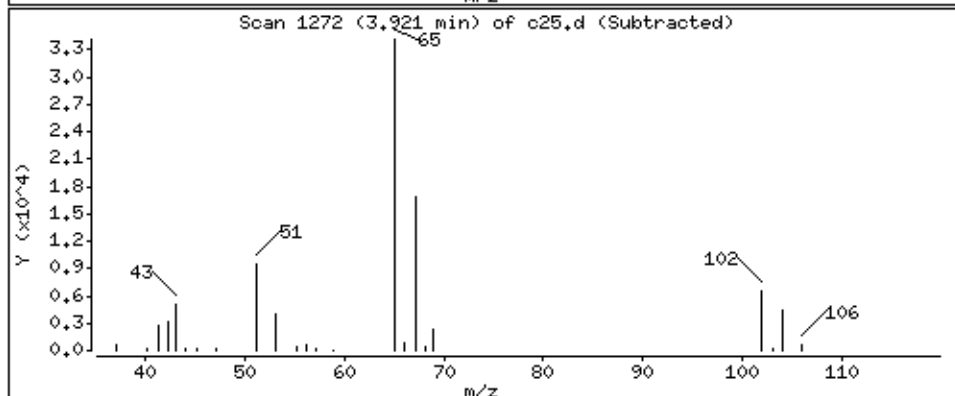
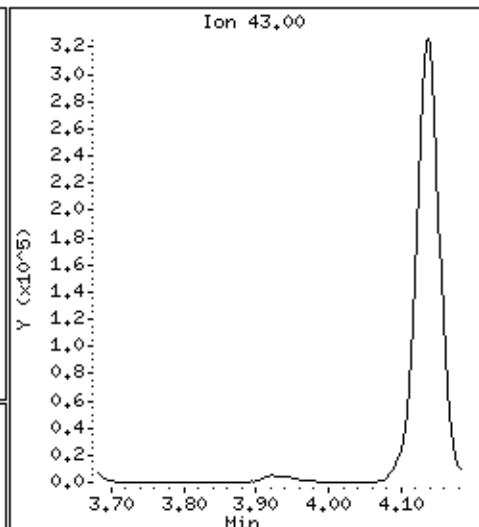
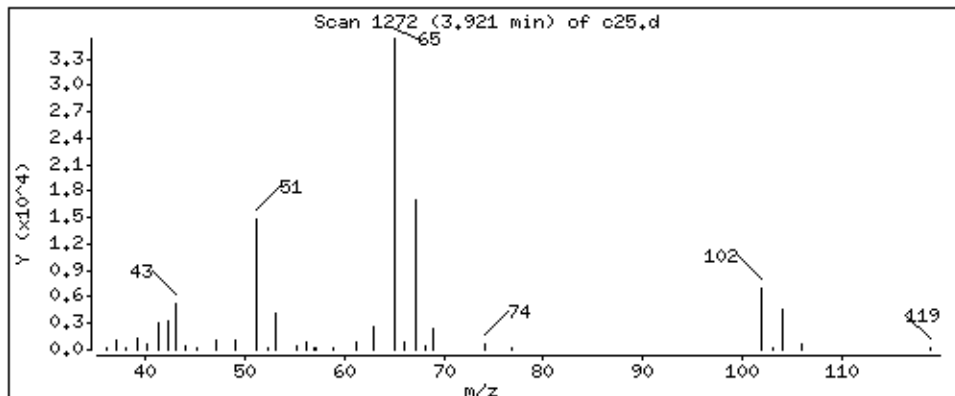
Operator: amv

Column phase: DB-624

Column diameter: 0,18

44 Isobutyl alcohol

Concentration: 317 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

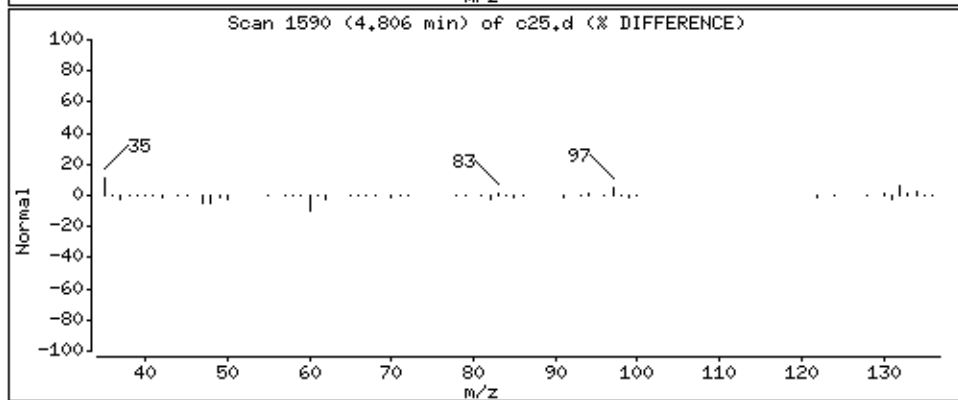
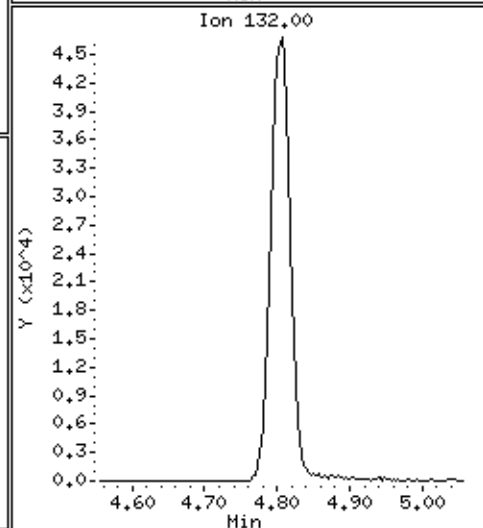
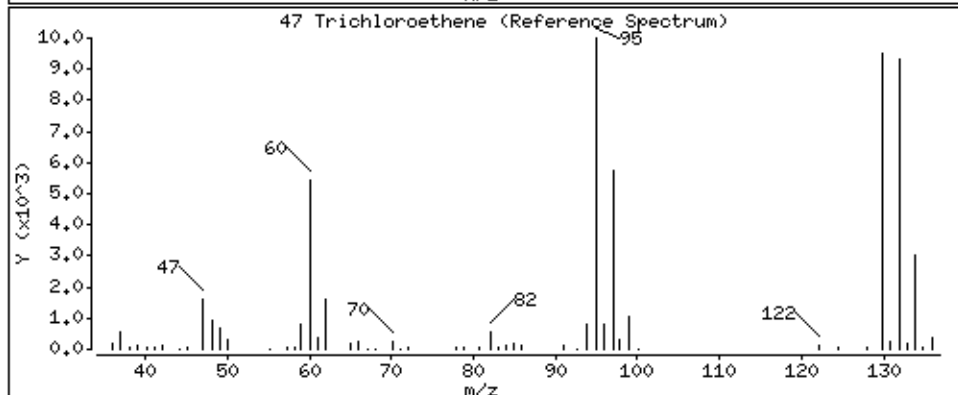
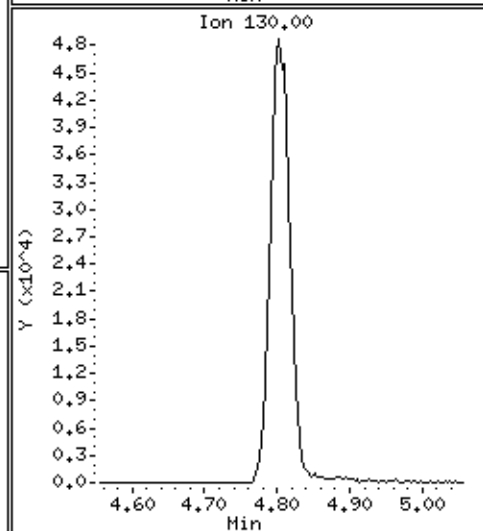
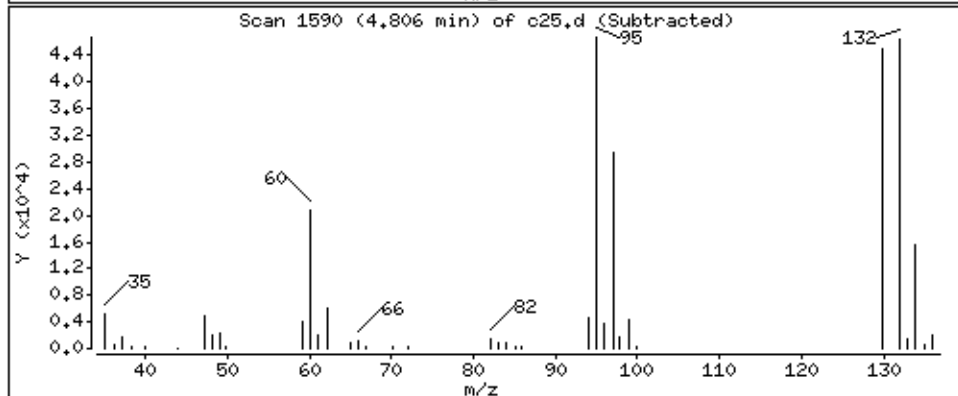
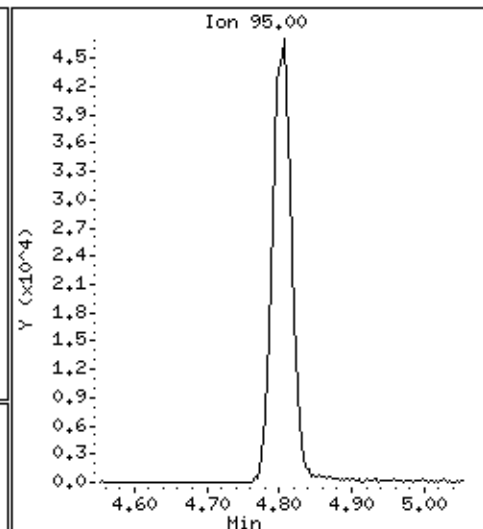
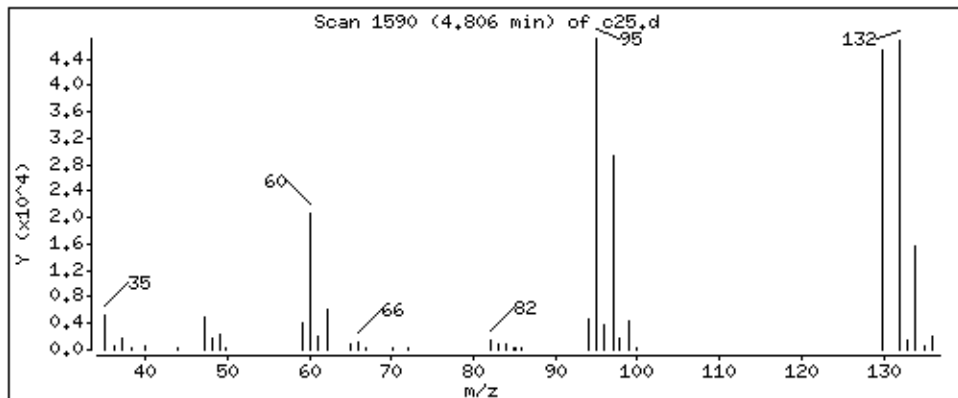
Operator: amv

Column phase: DB-624

Column diameter: 0,18

47 Trichloroethene

Concentration: 46,9 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

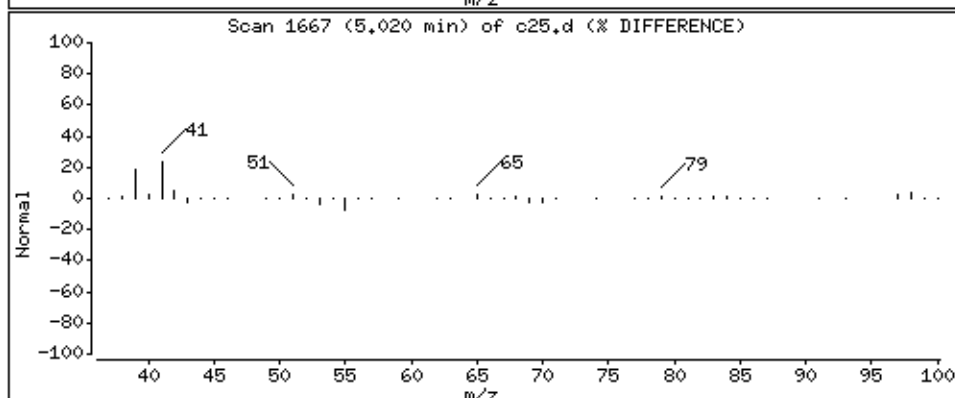
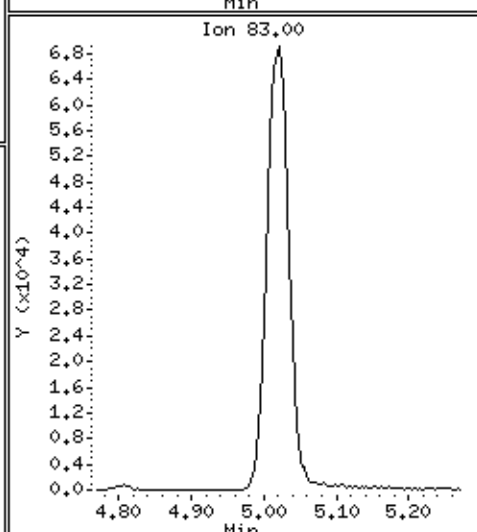
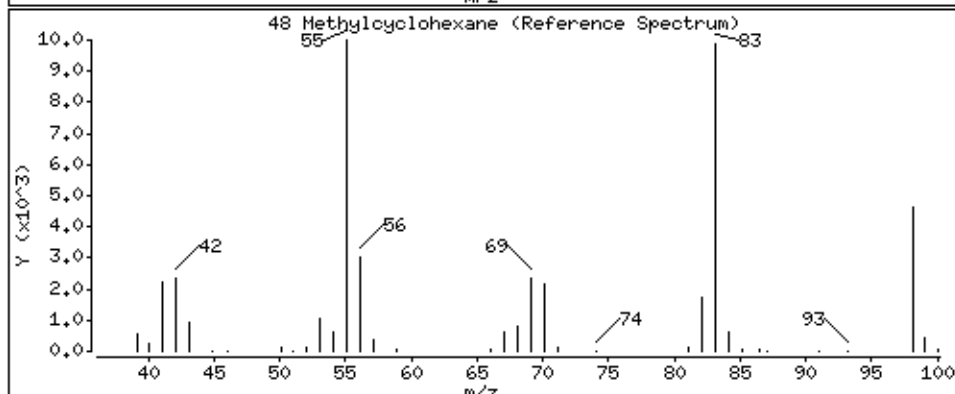
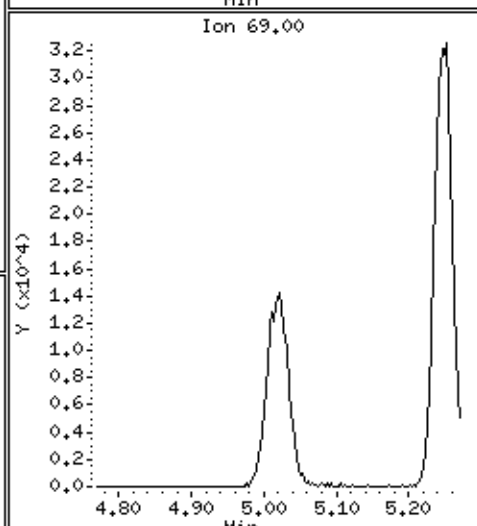
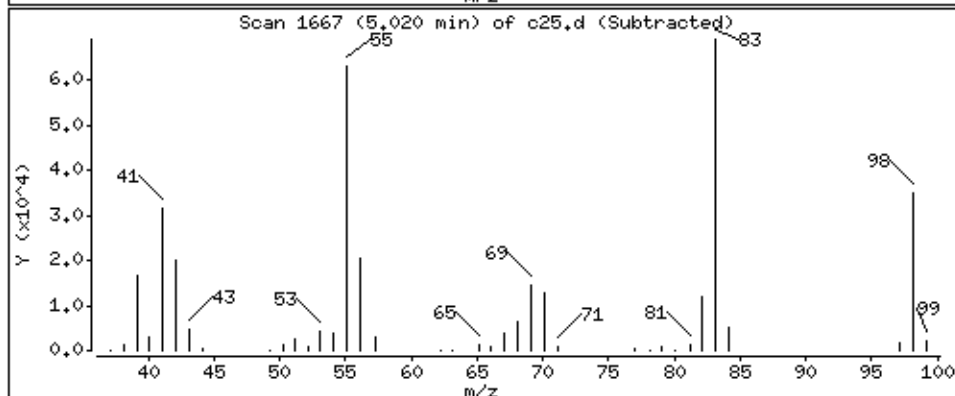
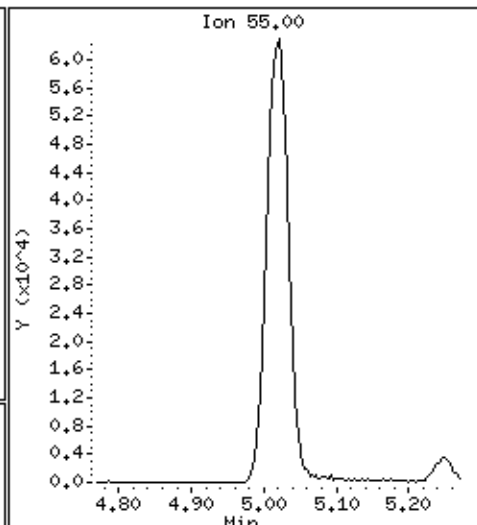
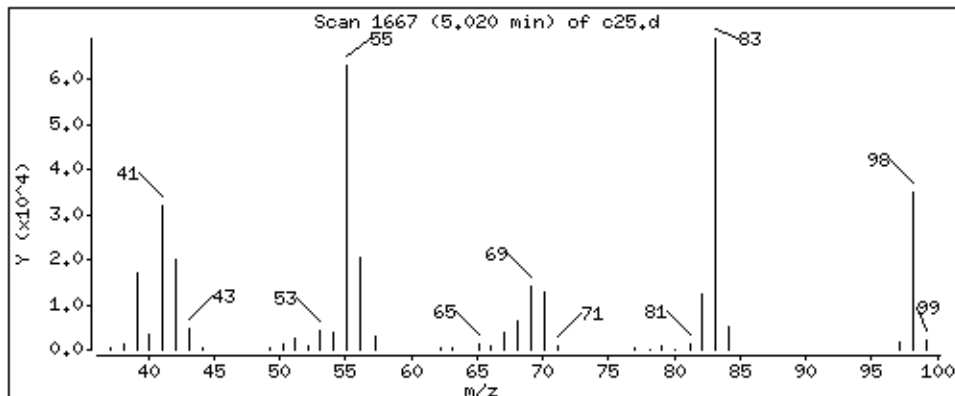
Operator: amv

Column phase: DB-624

Column diameter: 0.18

48 Methylcyclohexane

Concentration: 41.6 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

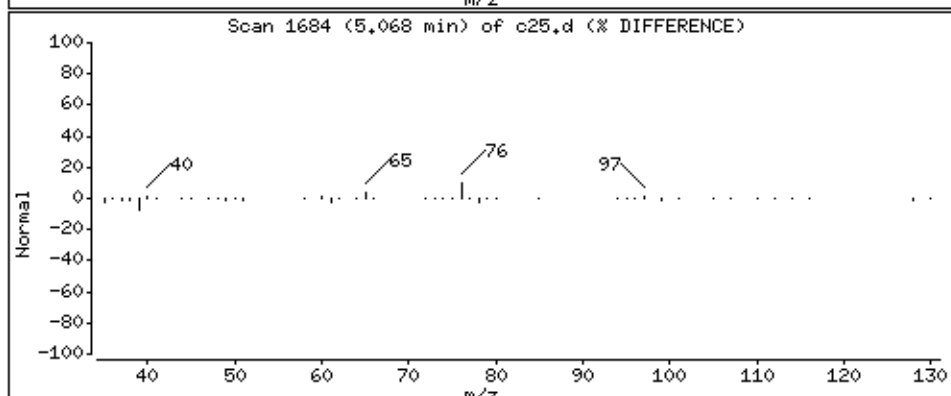
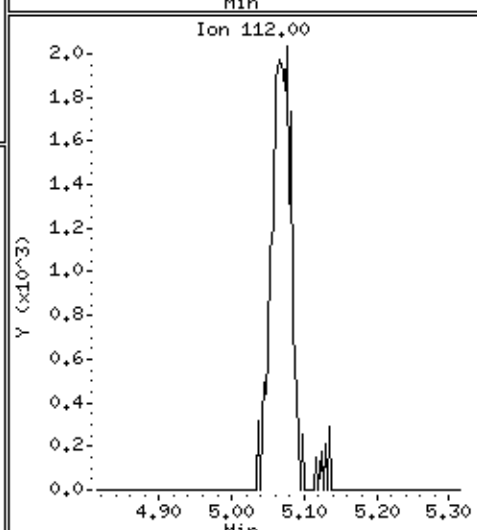
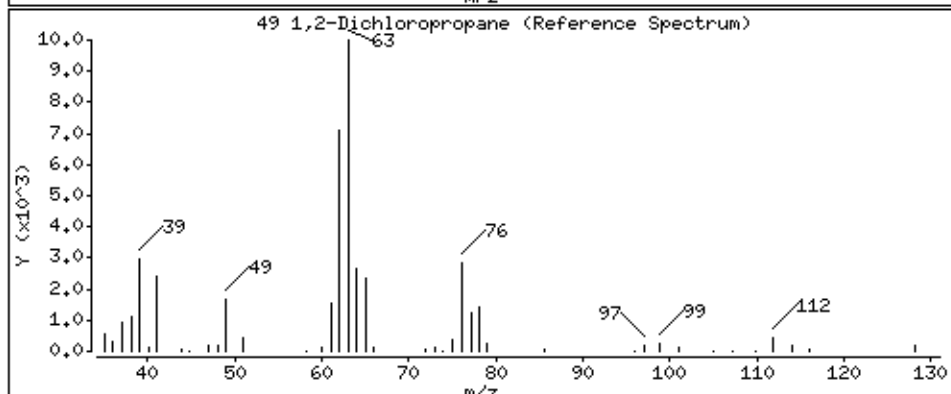
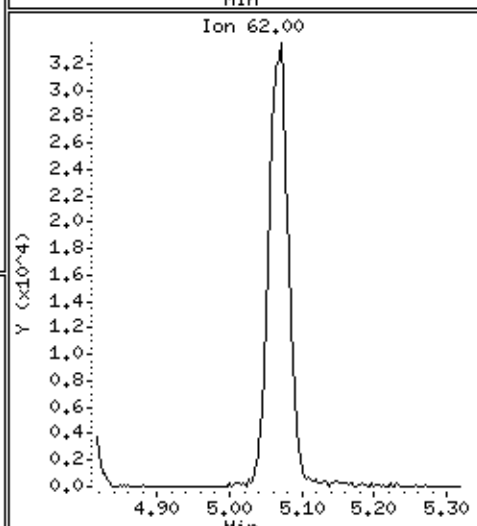
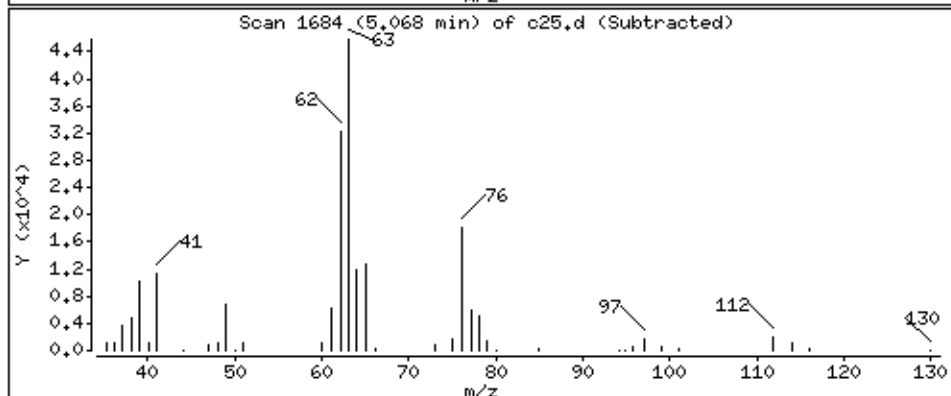
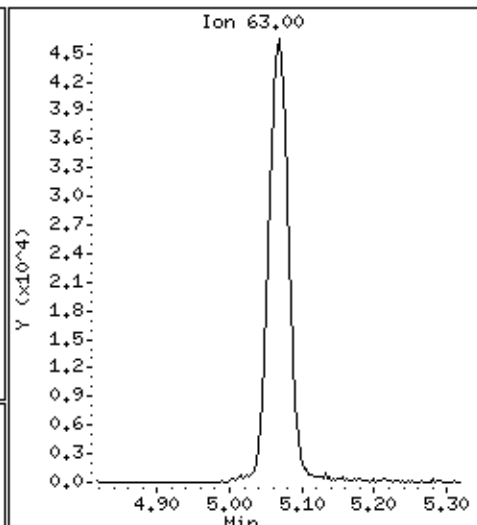
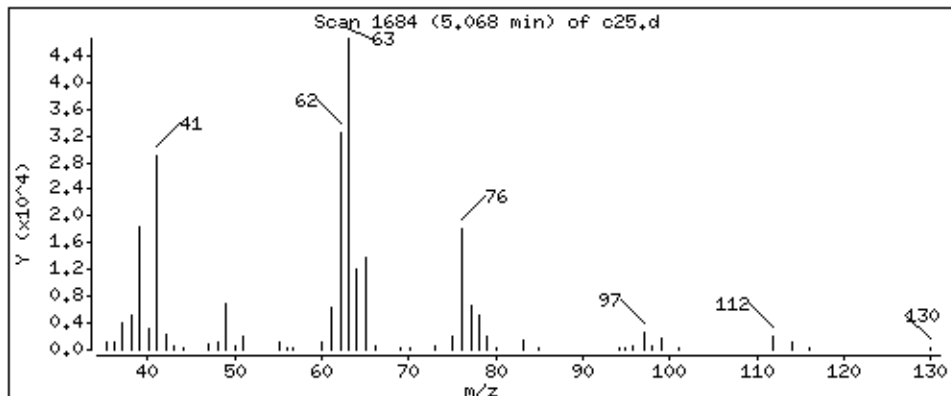
Operator: amv

Column phase: DB-624

Column diameter: 0,18

49 1,2-Dichloropropane

Concentration: 48,6 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

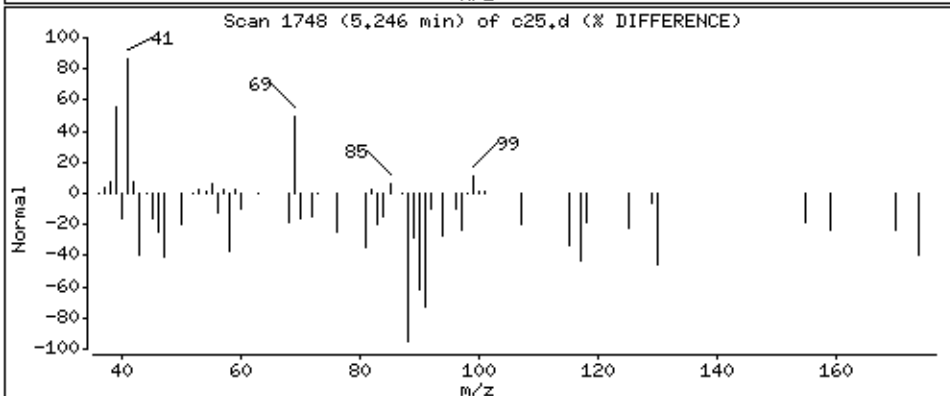
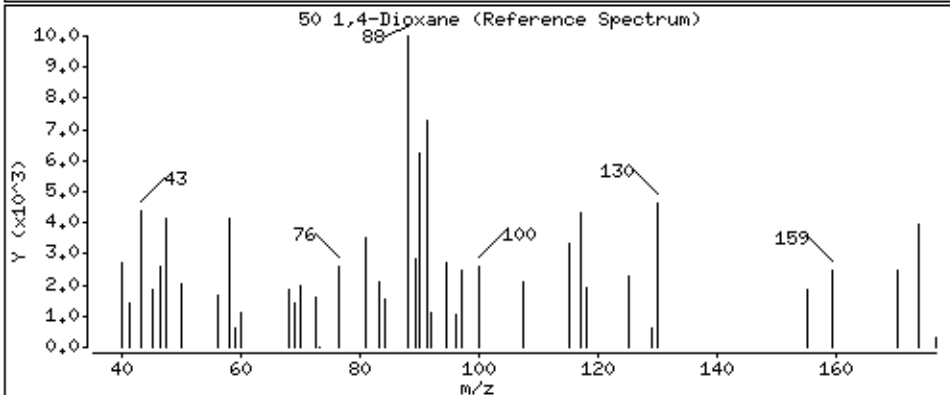
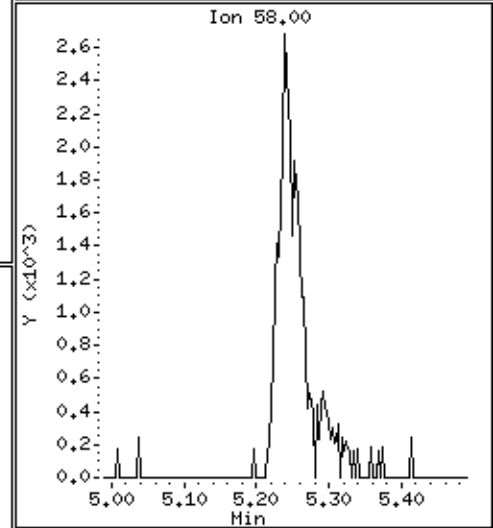
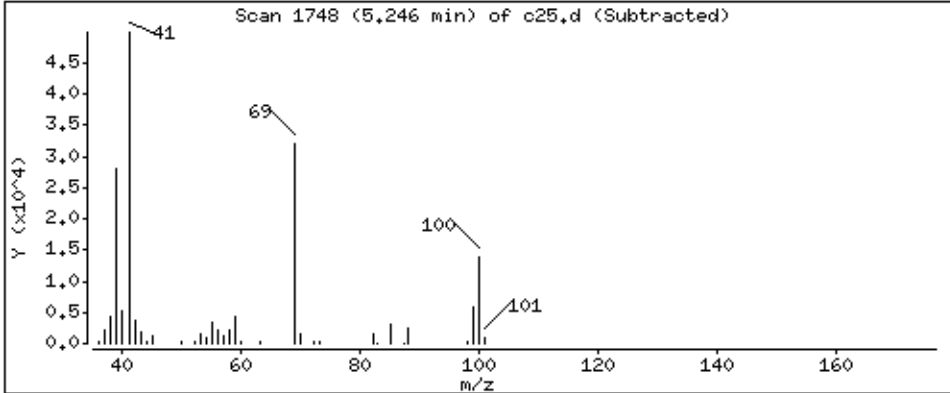
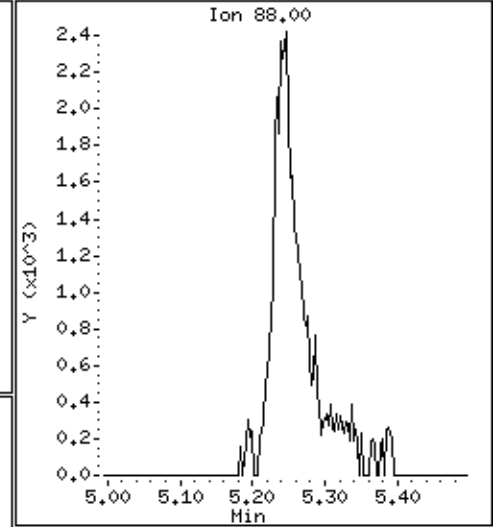
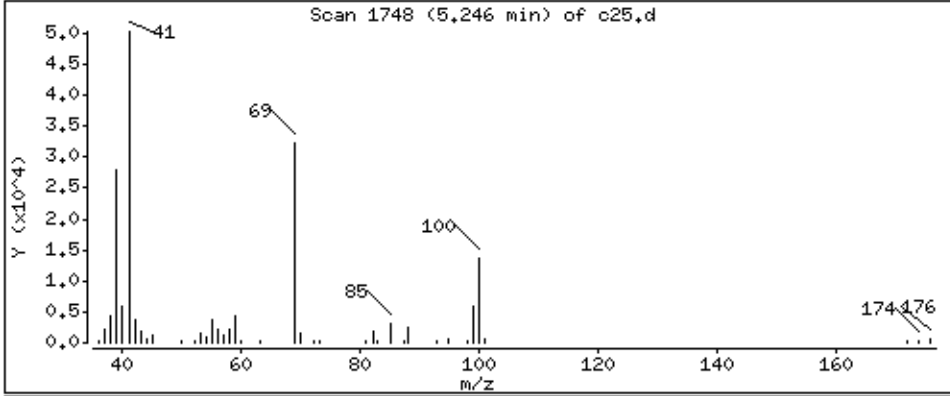
Operator: amv

Column phase: DB-624

Column diameter: 0,18

50 1,4-Dioxane

Concentration: 1240 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

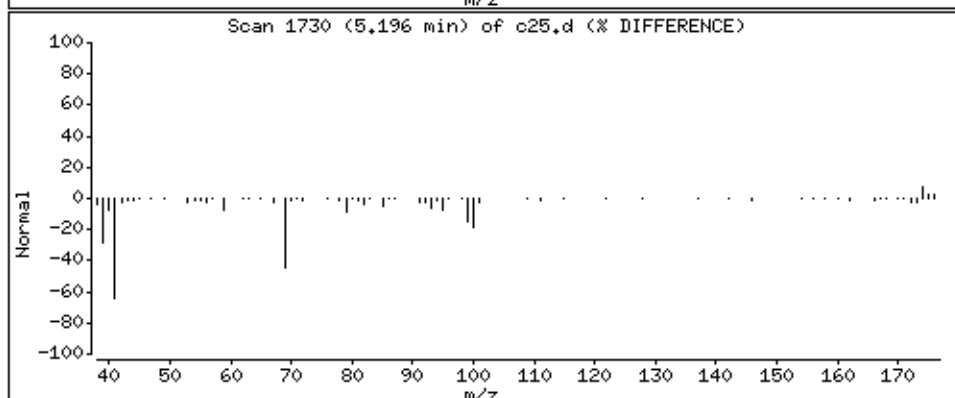
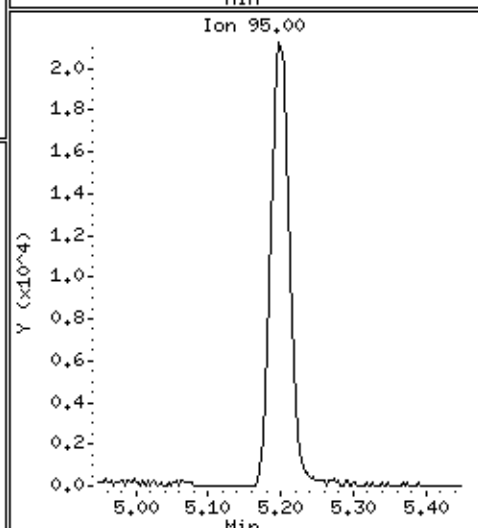
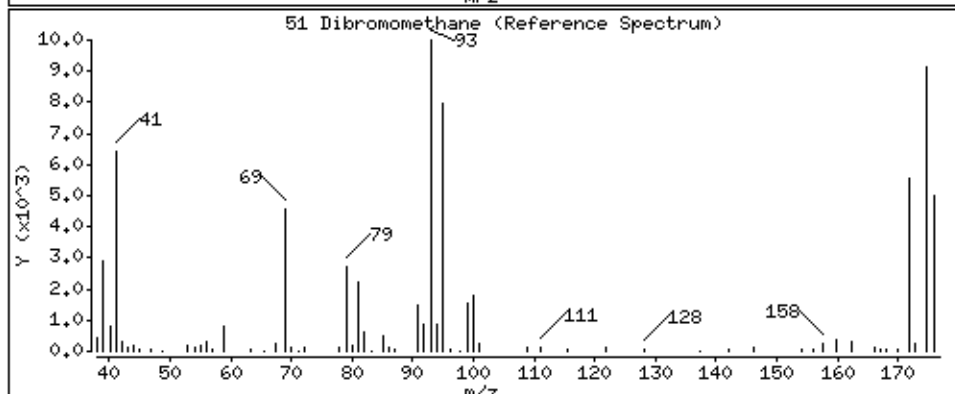
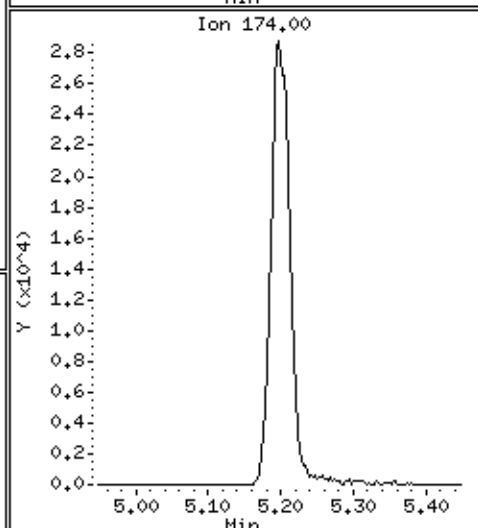
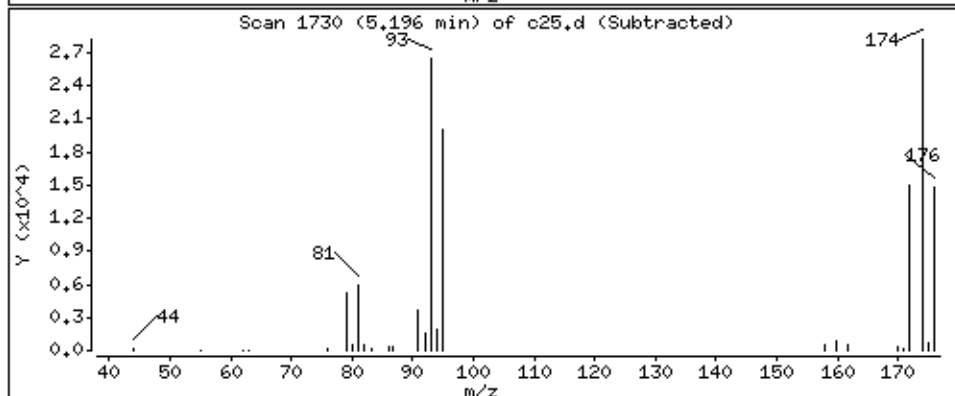
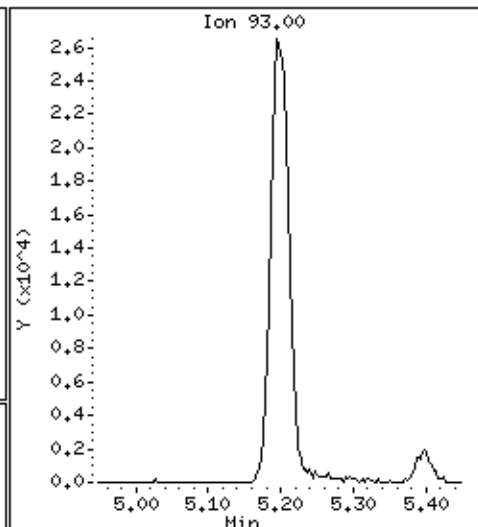
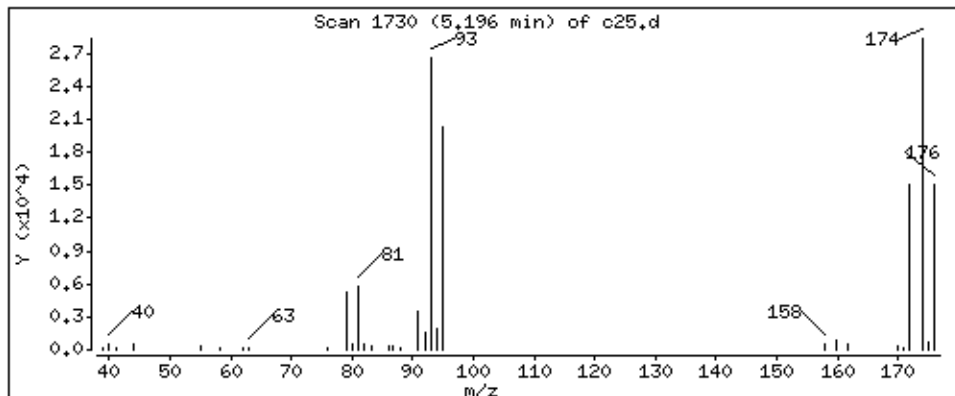
Operator: amv

Column phase: DB-624

Column diameter: 0,18

51 Dibromomethane

Concentration: 50,1 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

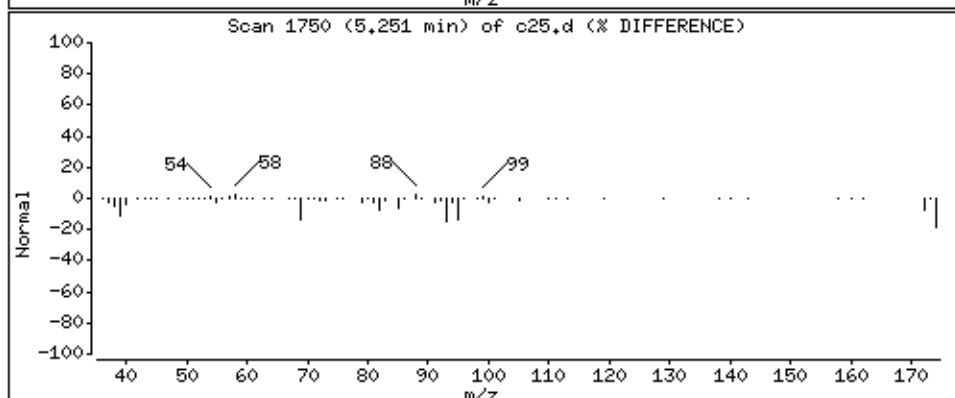
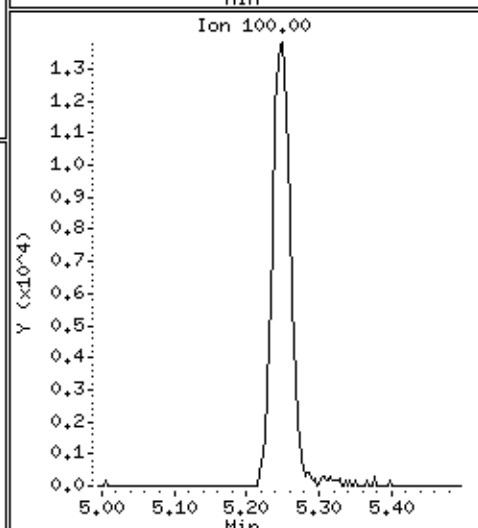
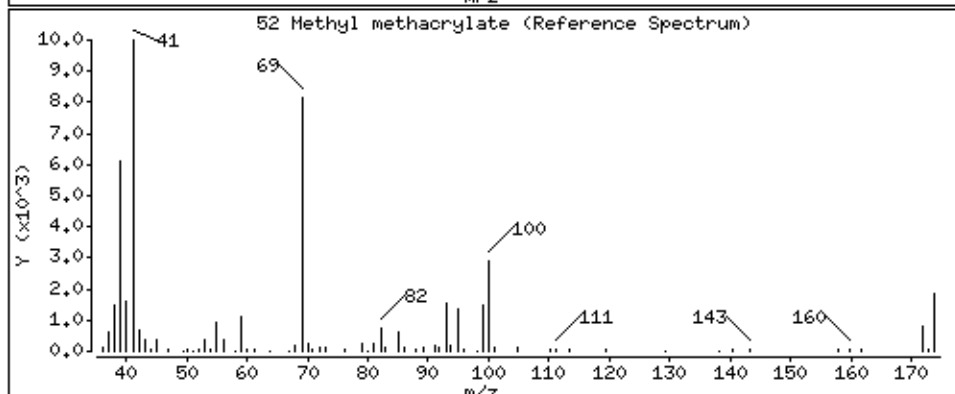
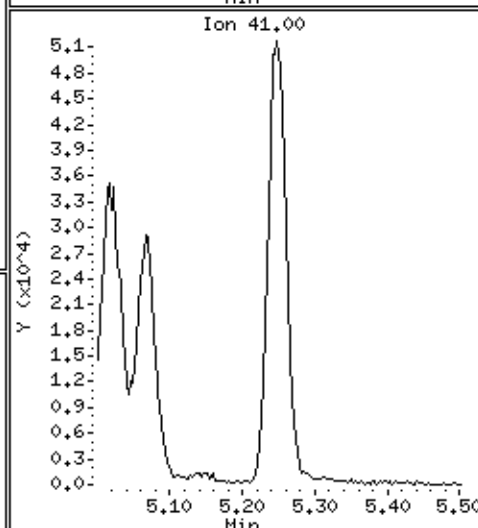
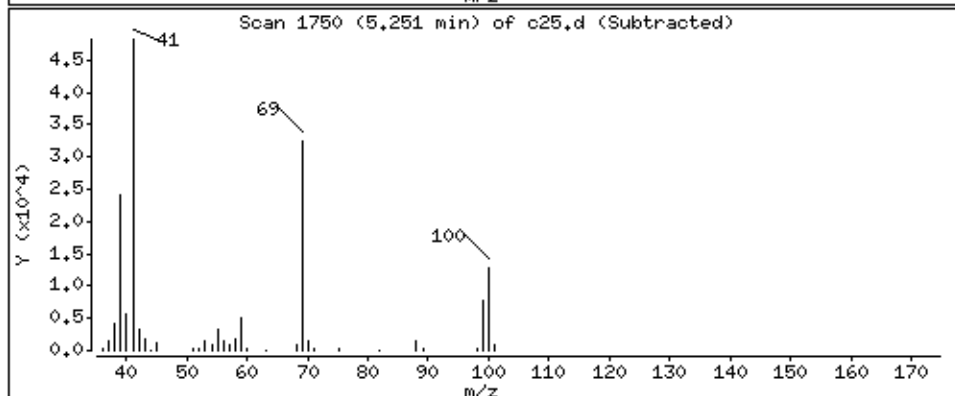
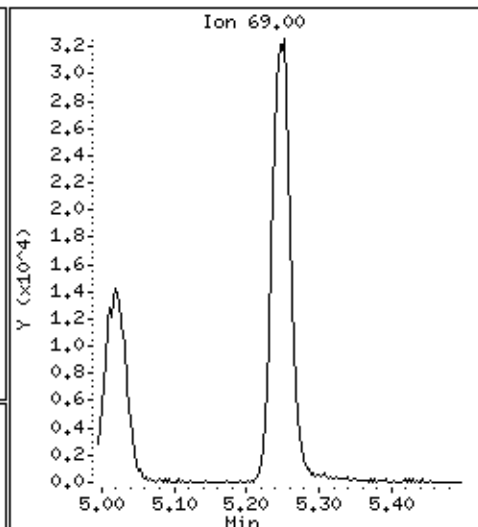
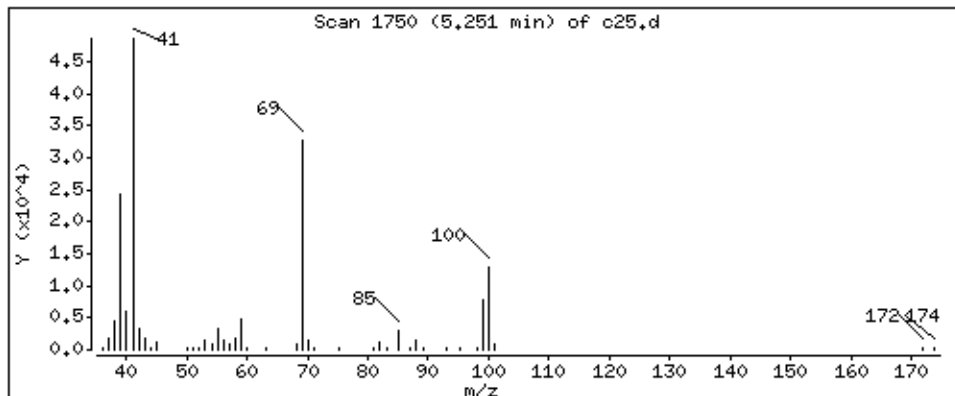
Operator: amv

Column phase: DB-624

Column diameter: 0,18

52 Methyl methacrylate

Concentration: 43.9 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

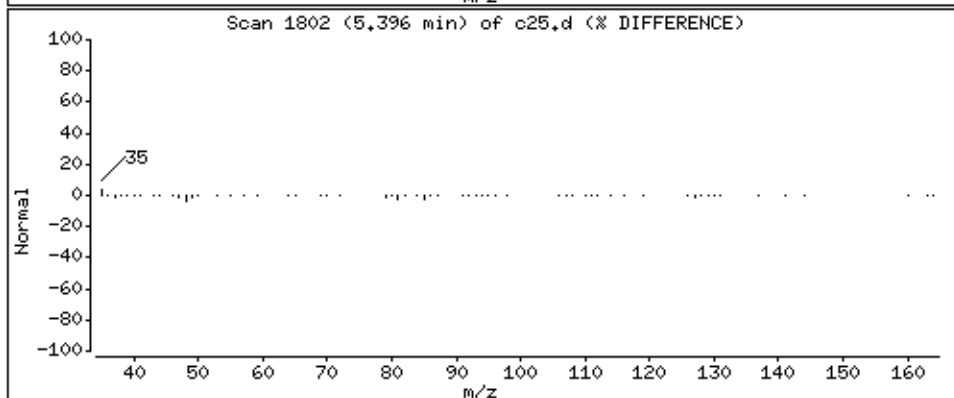
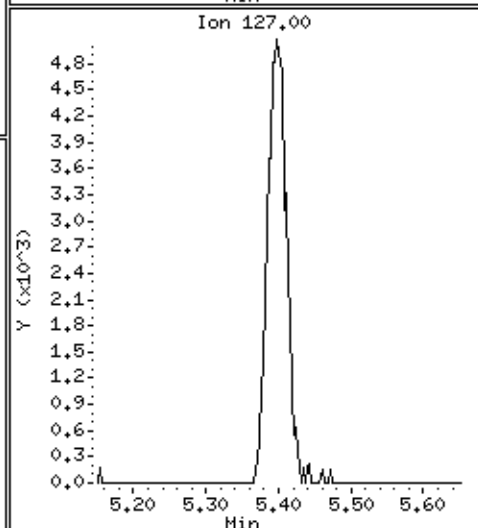
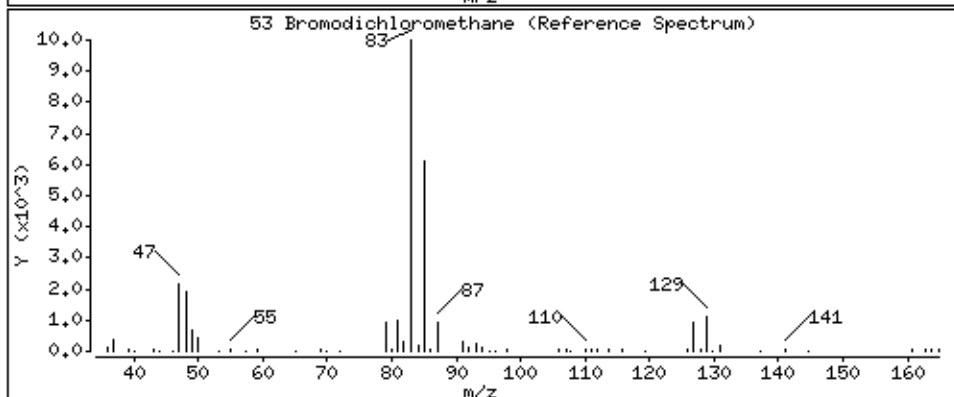
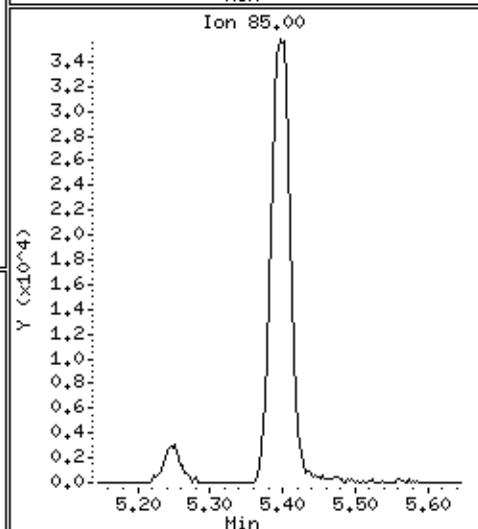
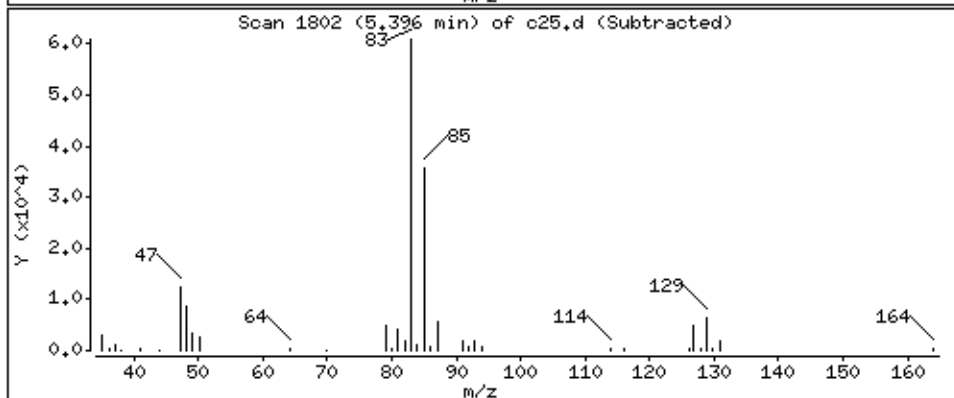
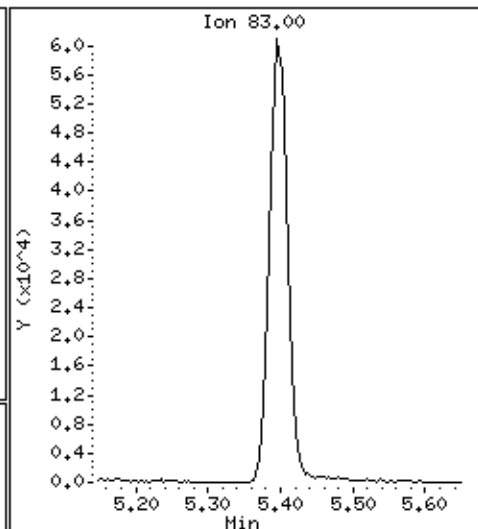
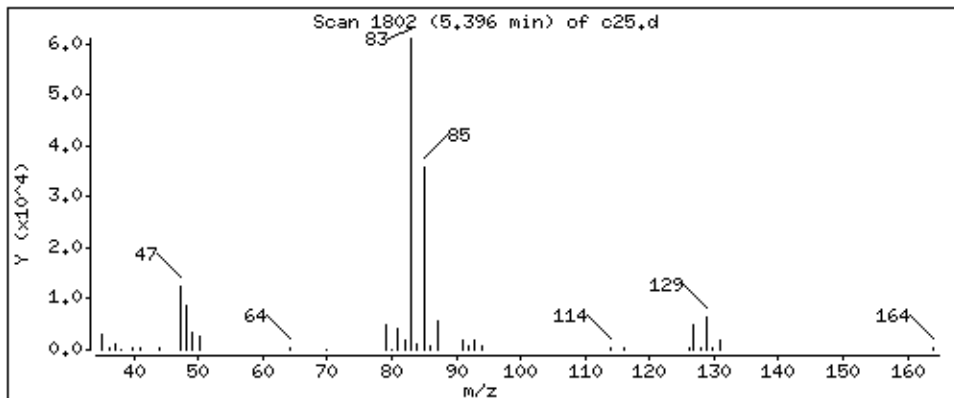
Operator: amv

Column phase: DB-624

Column diameter: 0,18

53 Bromodichloromethane

Concentration: 44.0 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

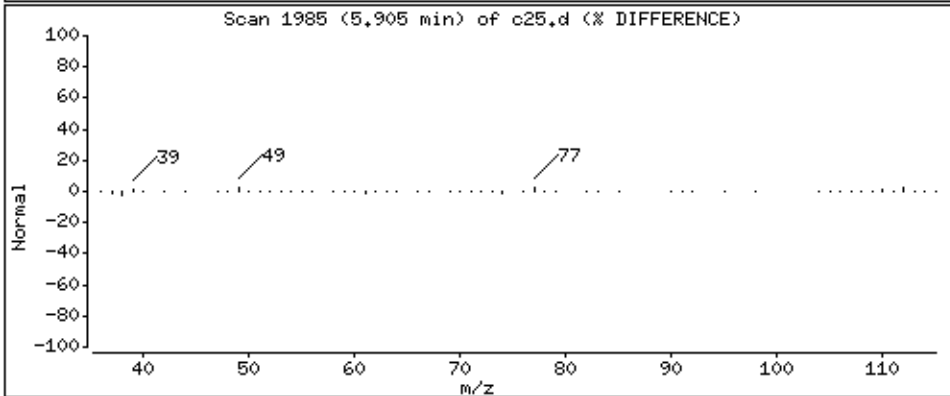
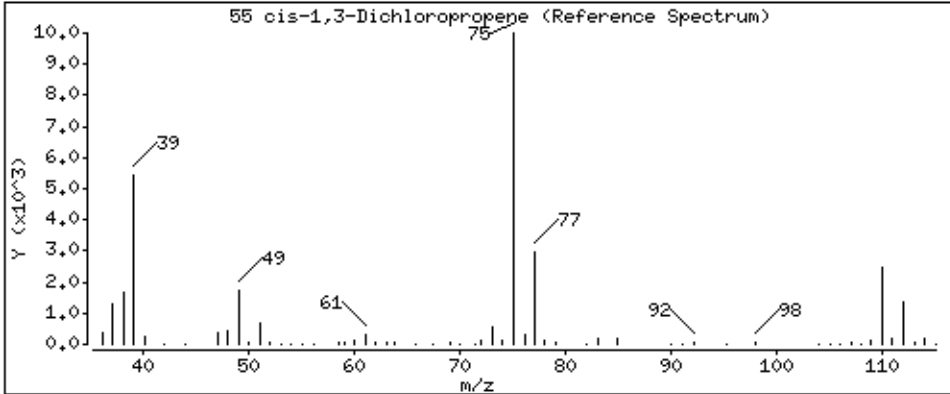
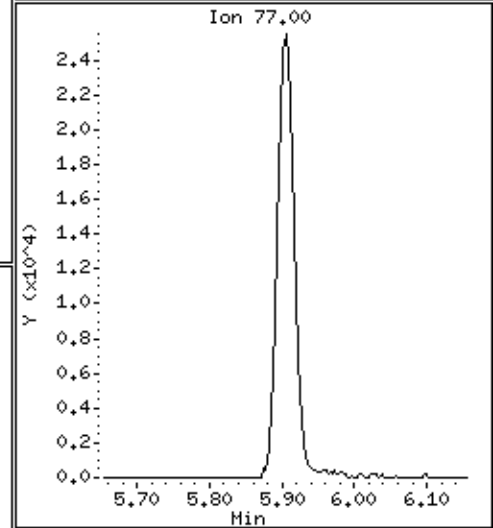
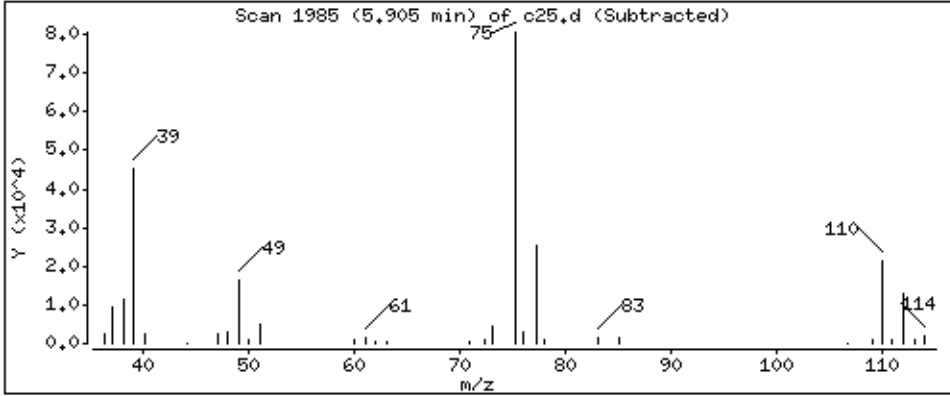
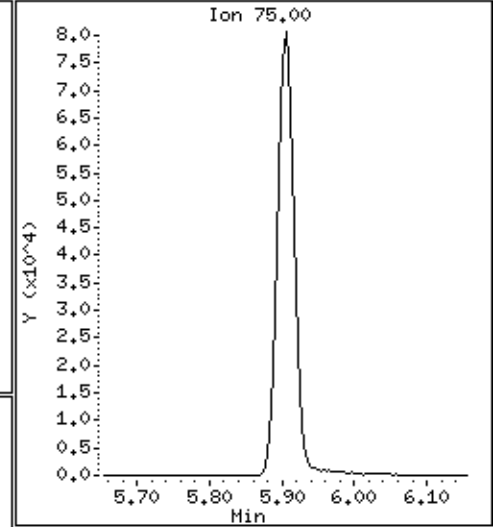
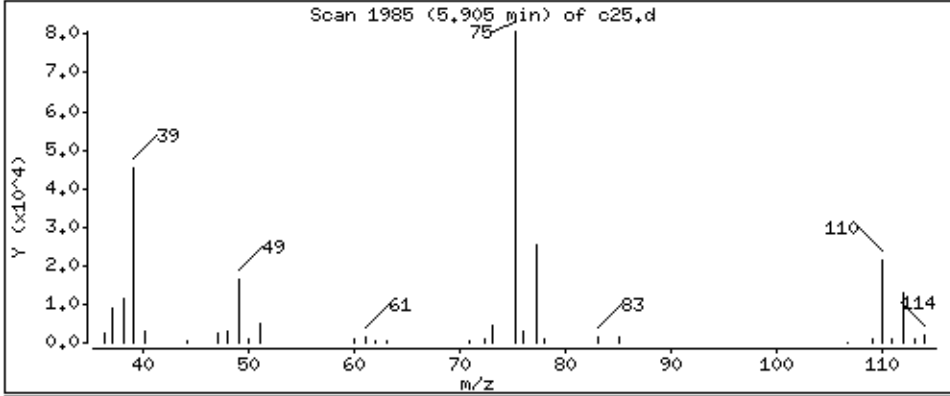
Operator: amv

Column phase: DB-624

Column diameter: 0,18

55 cis-1,3-Dichloropropene

Concentration: 42.8 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

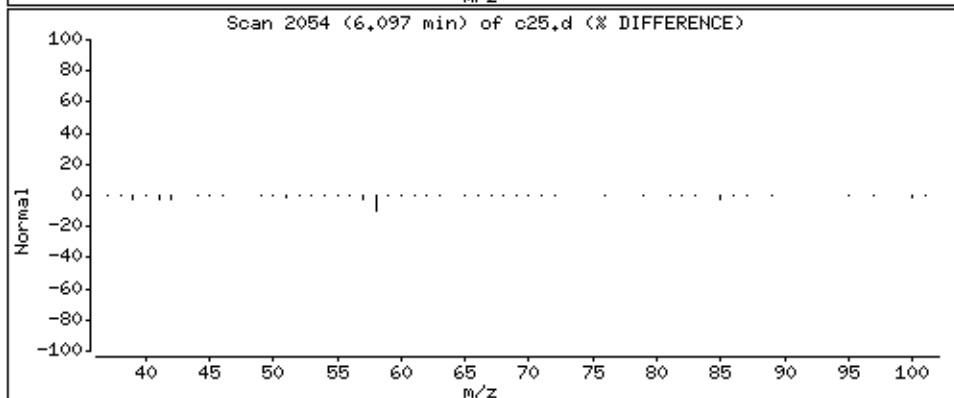
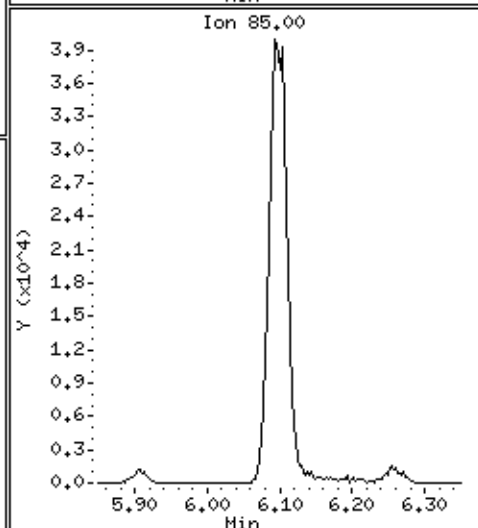
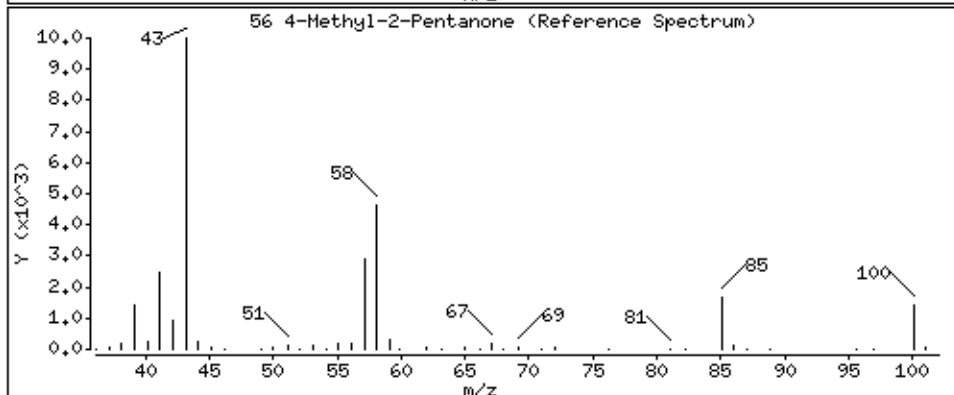
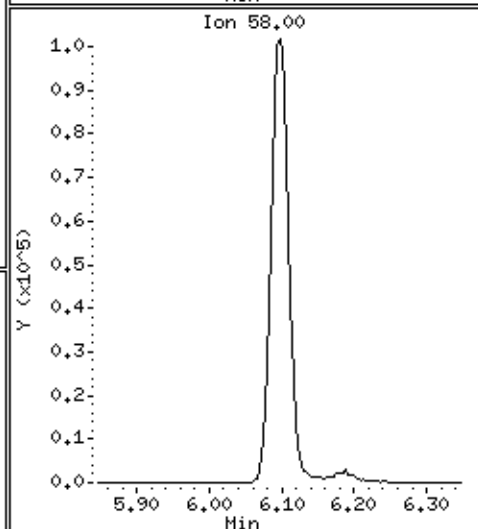
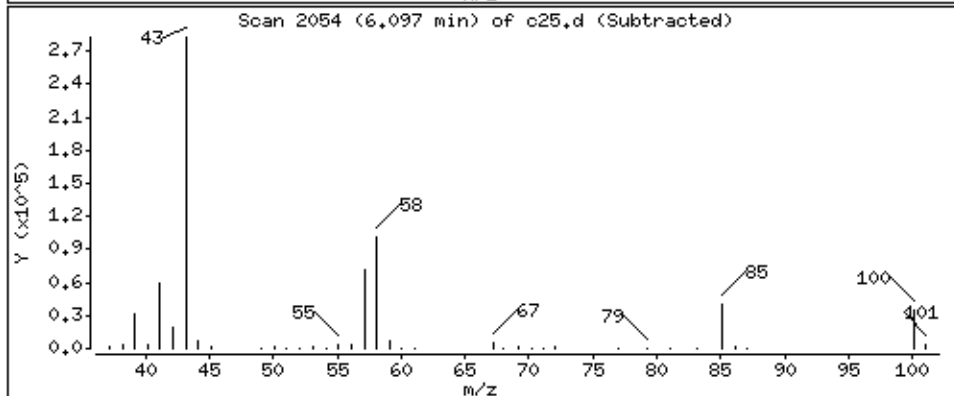
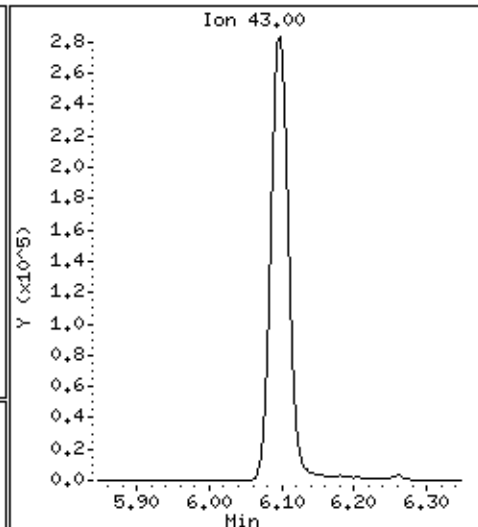
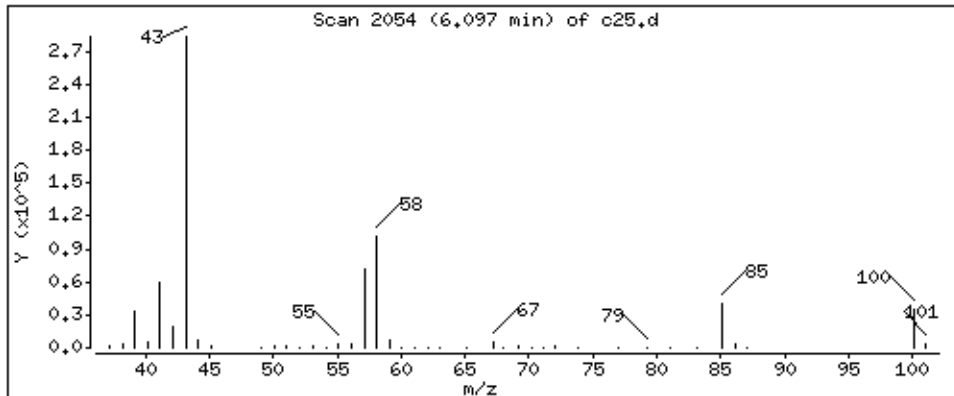
Operator: amv

Column phase: DB-624

Column diameter: 0.18

56 4-Methyl-2-Pentanone

Concentration: 209 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

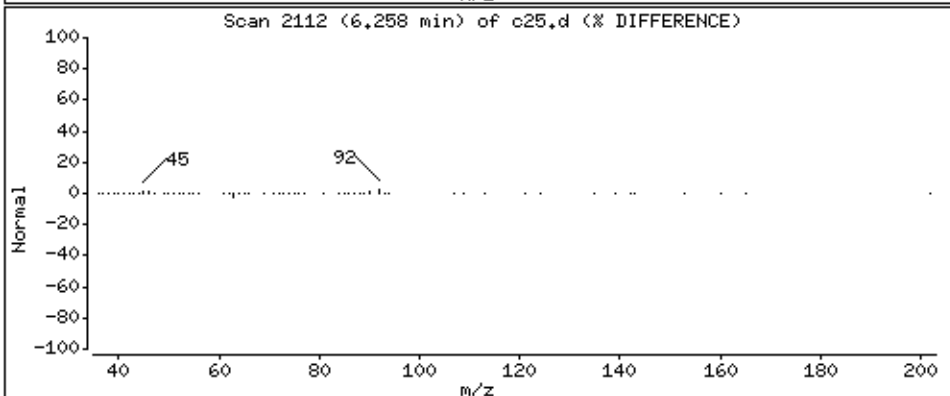
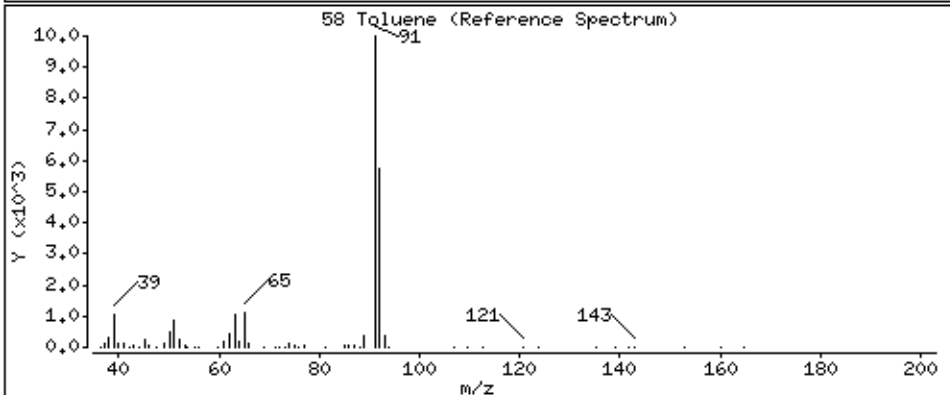
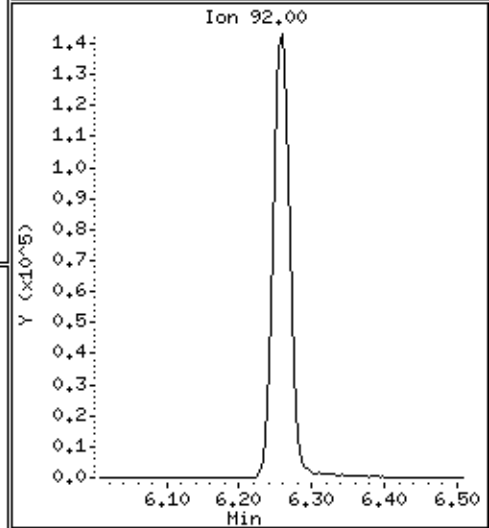
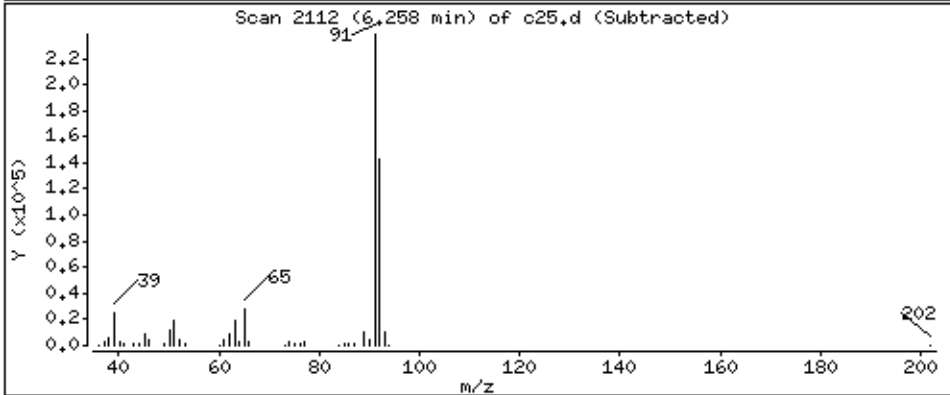
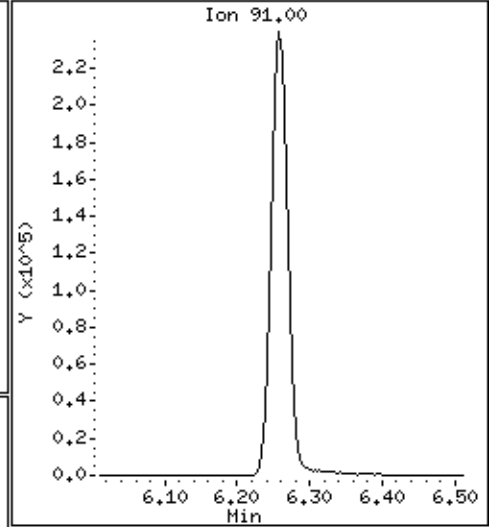
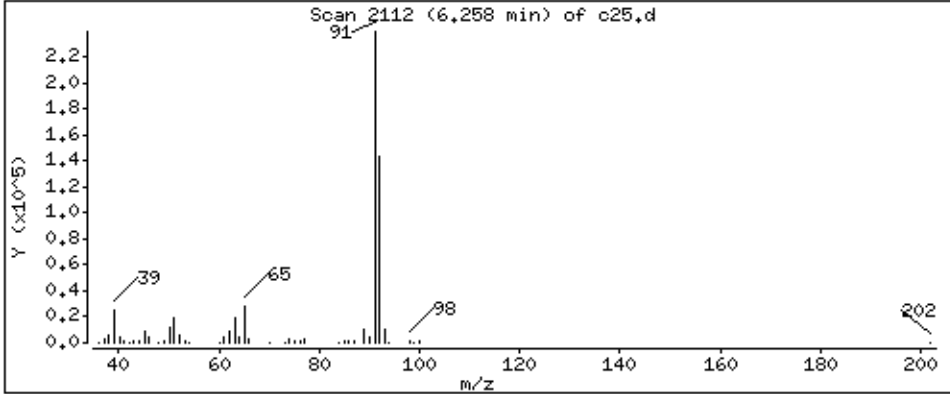
Operator: amv

Column phase: DB-624

Column diameter: 0.18

58 Toluene

Concentration: 44.0 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

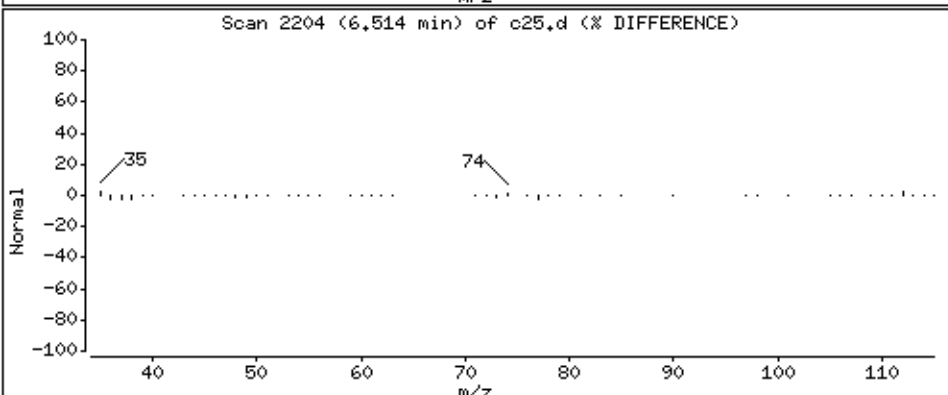
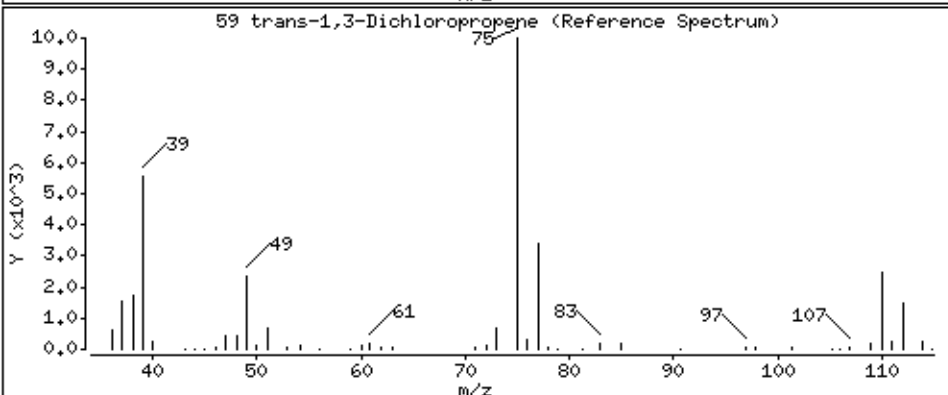
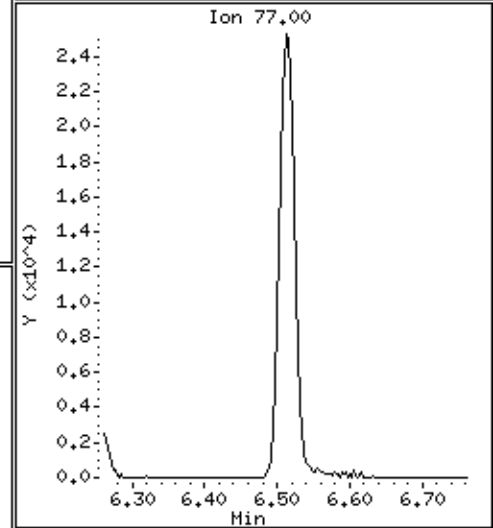
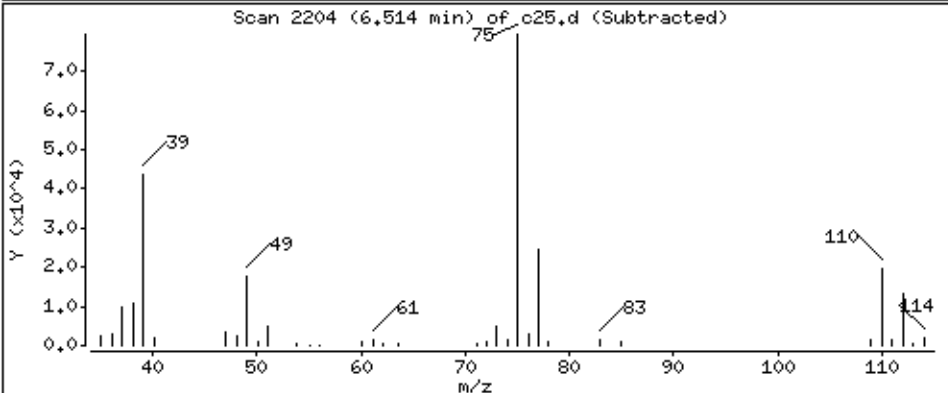
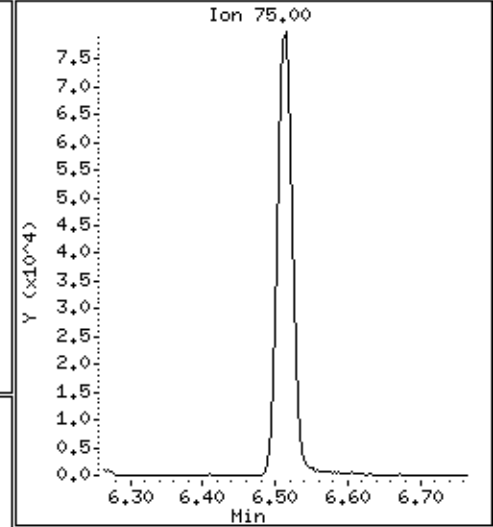
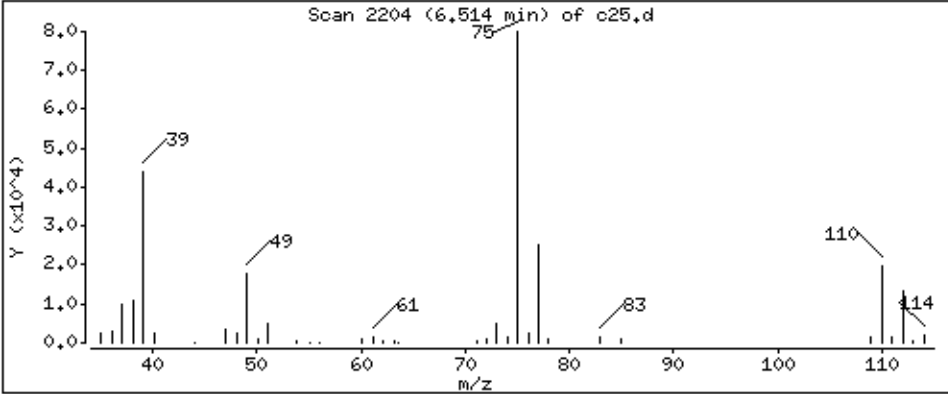
Operator: amv

Column phase: DB-624

Column diameter: 0,18

59 trans-1,3-Dichloropropene

Concentration: 40,1 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mw2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

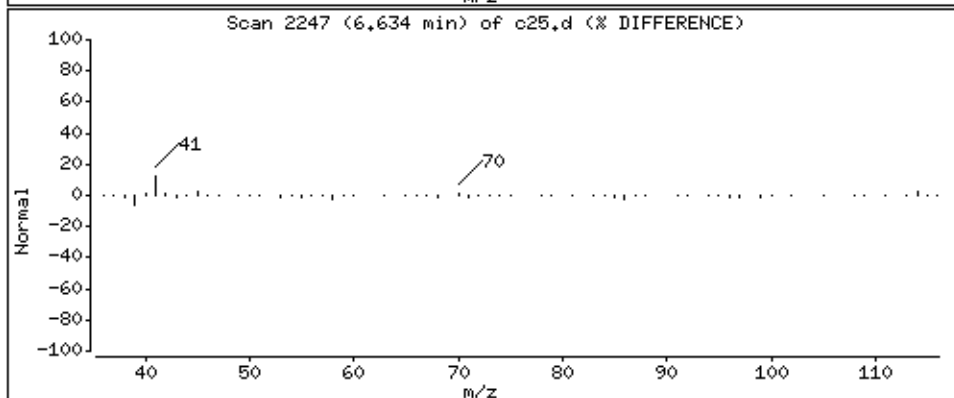
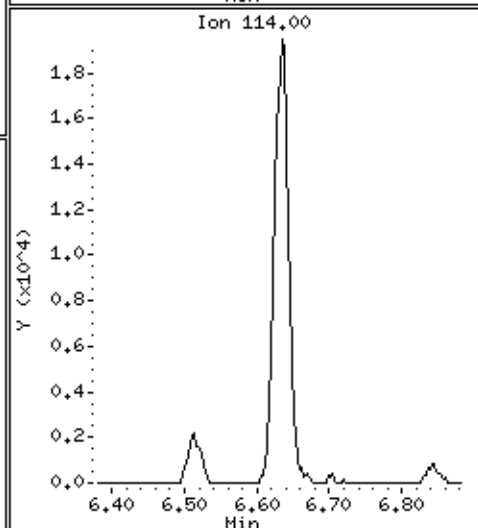
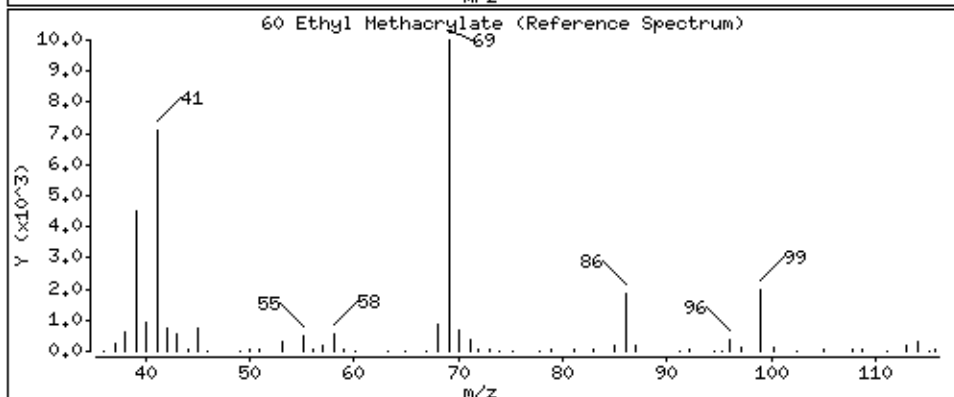
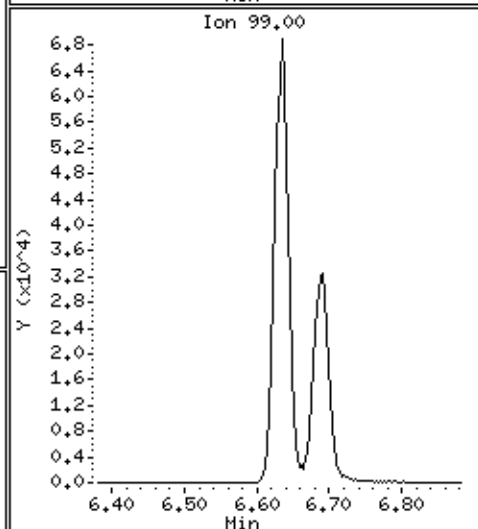
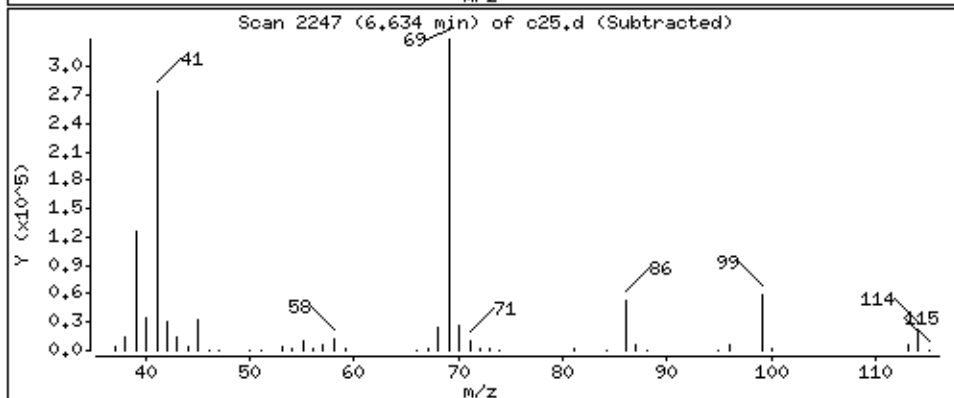
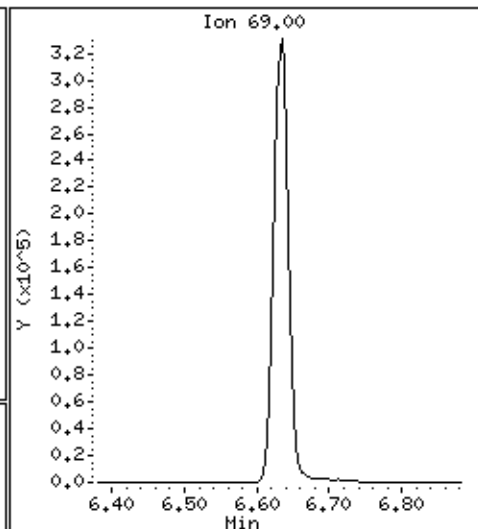
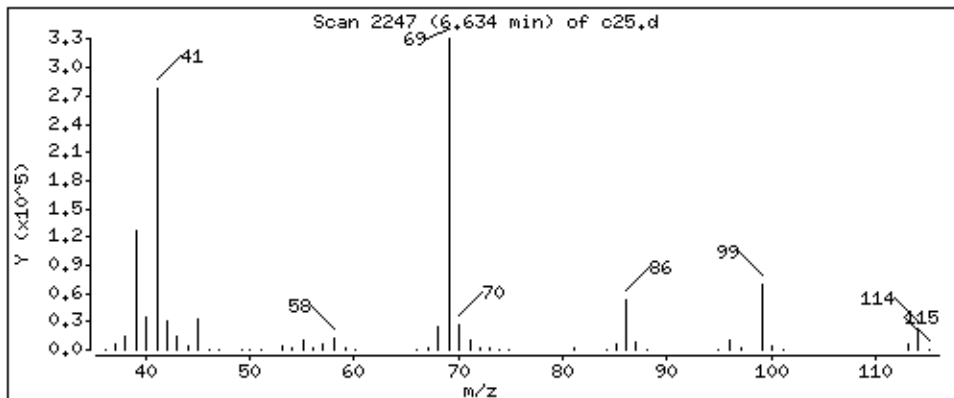
Operator: amv

Column phase: DB-624

Column diameter: 0.18

60 Ethyl Methacrylate

Concentration: 176 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

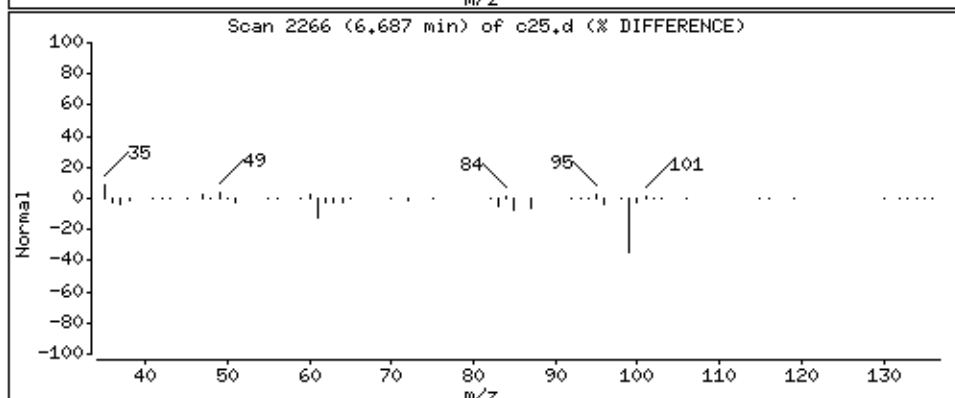
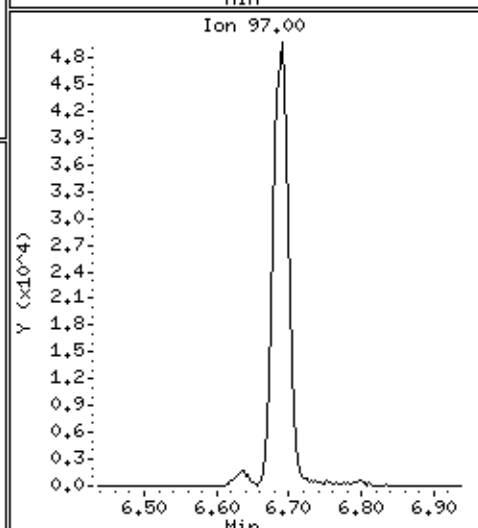
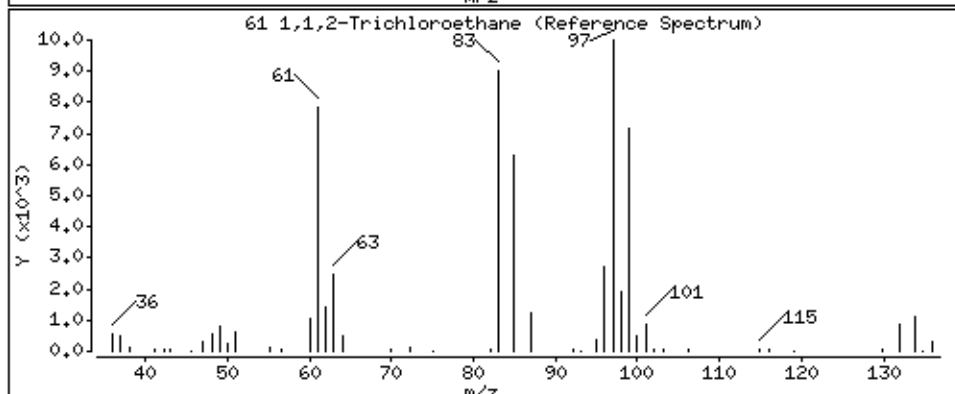
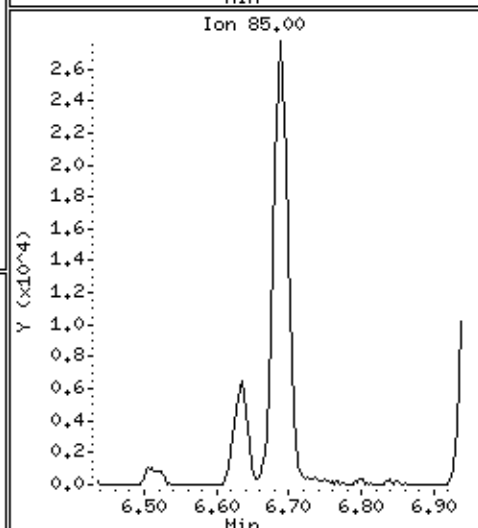
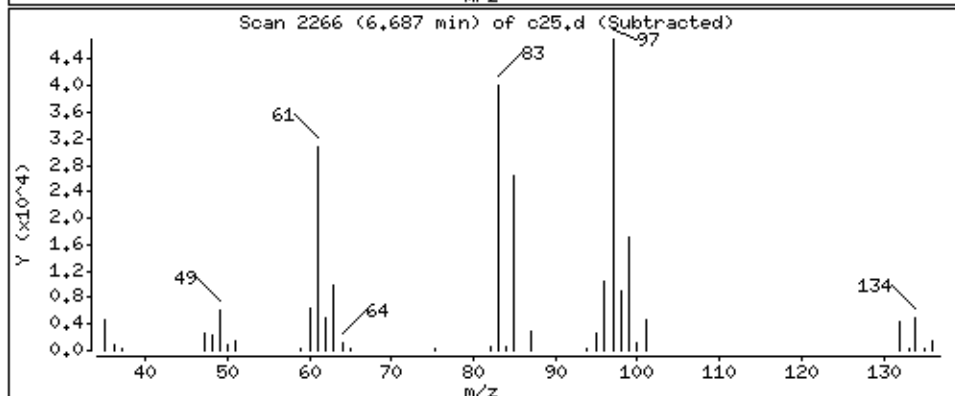
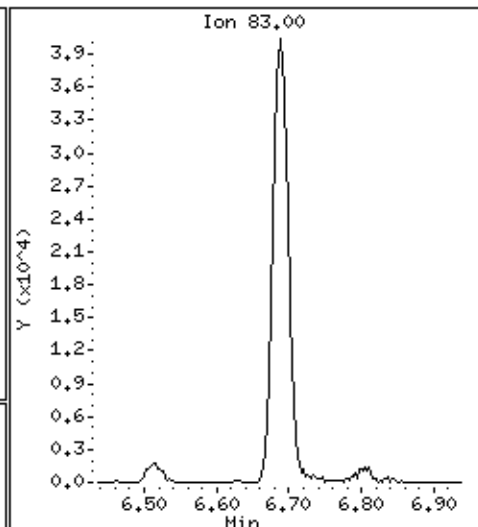
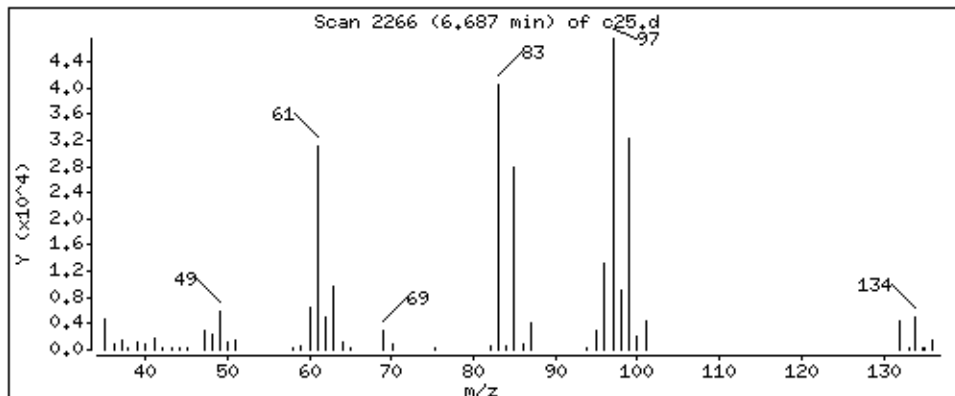
Operator: amv

Column phase: DB-624

Column diameter: 0,18

61 1,1,2-Trichloroethane

Concentration: 47.4 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

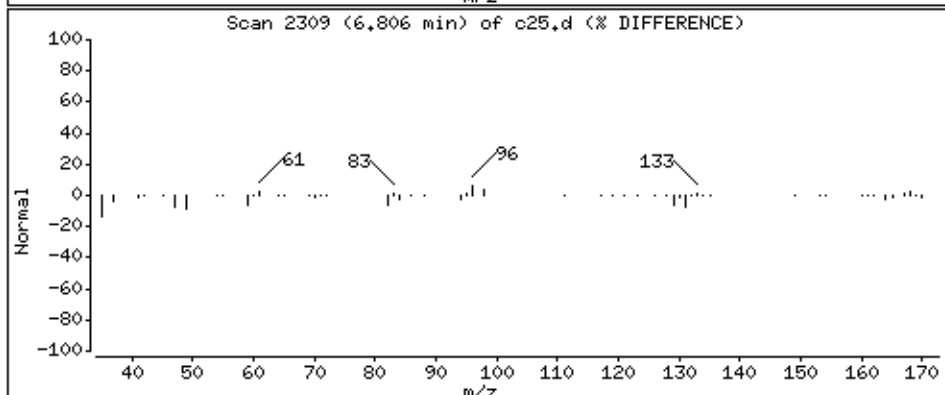
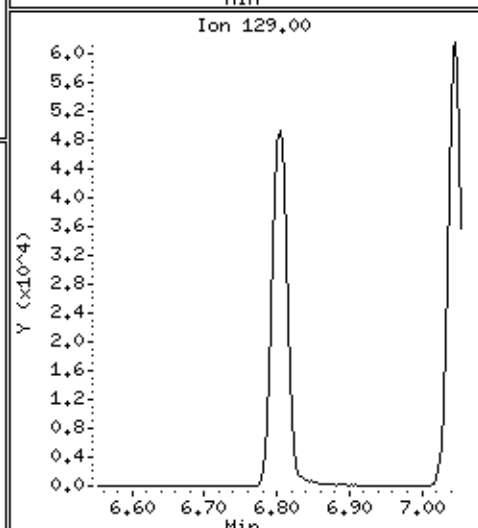
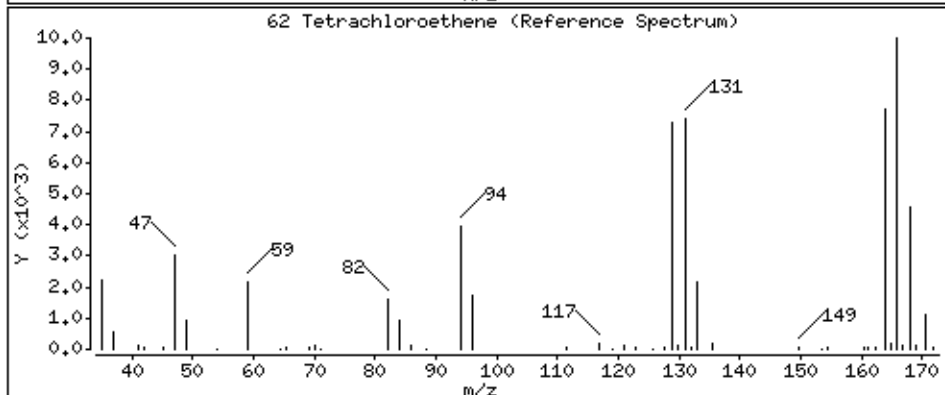
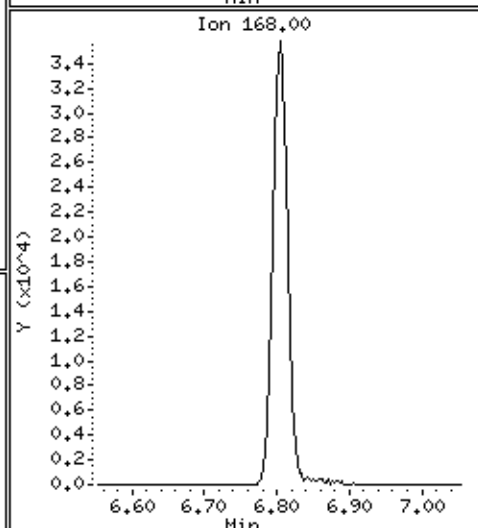
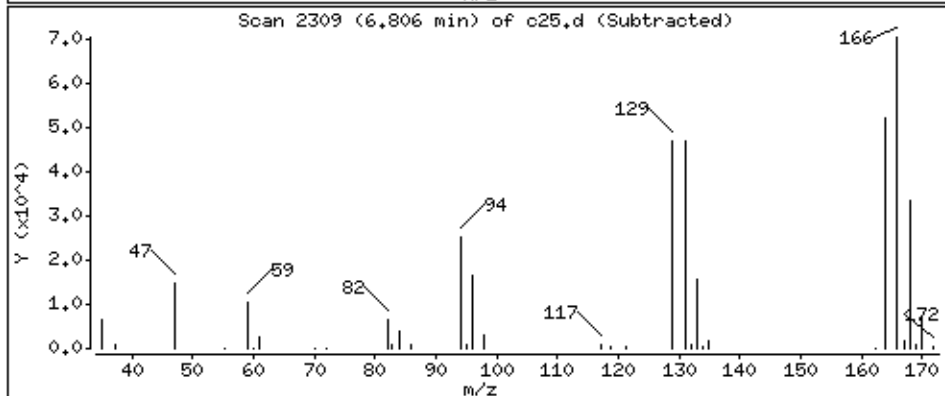
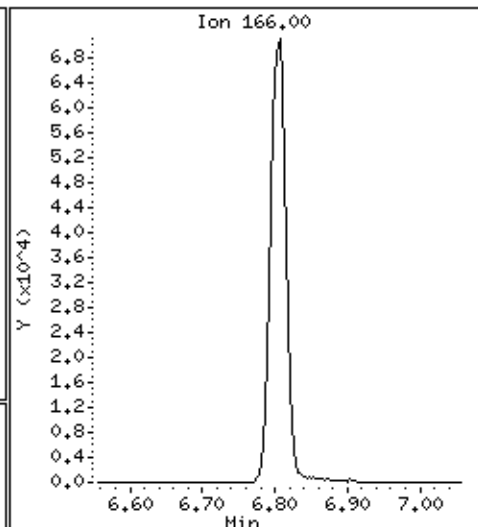
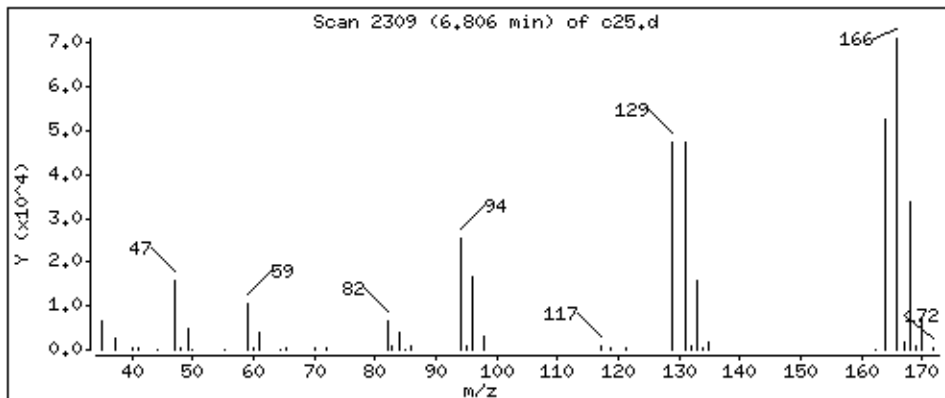
Operator: amv

Column phase: DB-624

Column diameter: 0,18

62 Tetrachloroethene

Concentration: 45,3 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

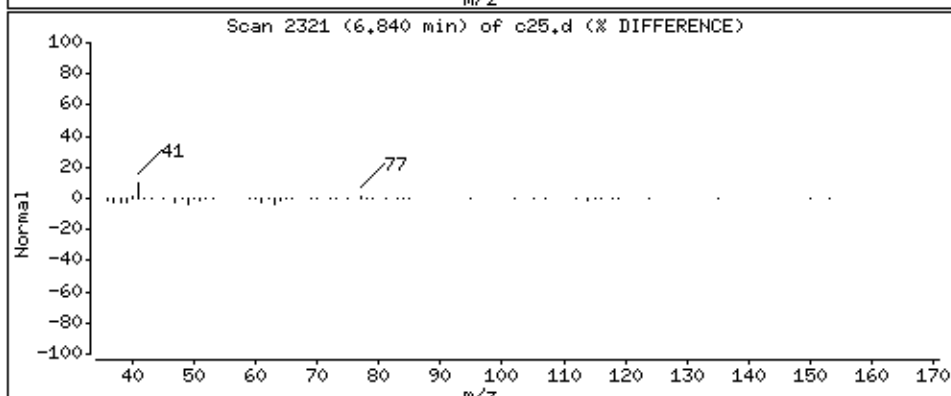
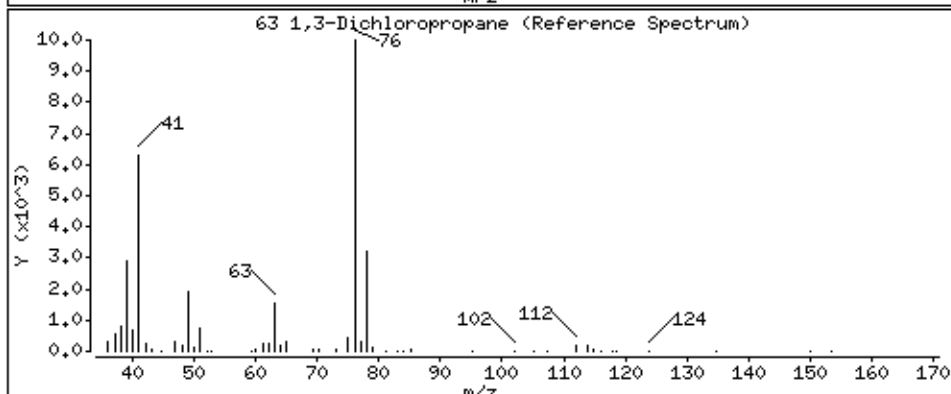
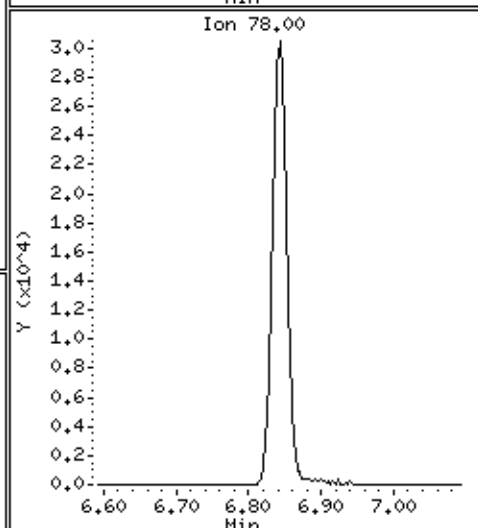
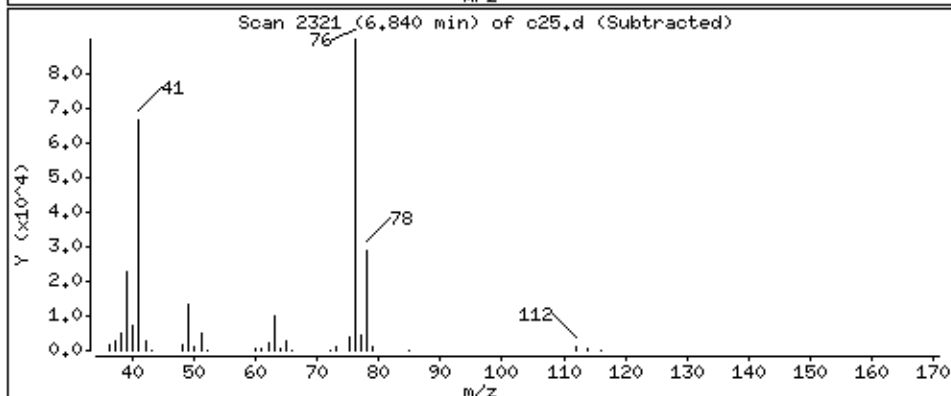
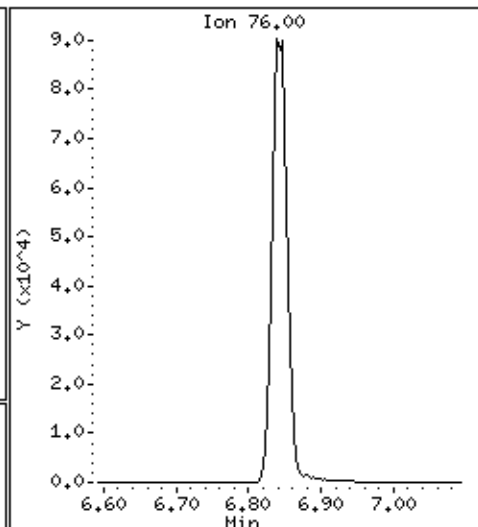
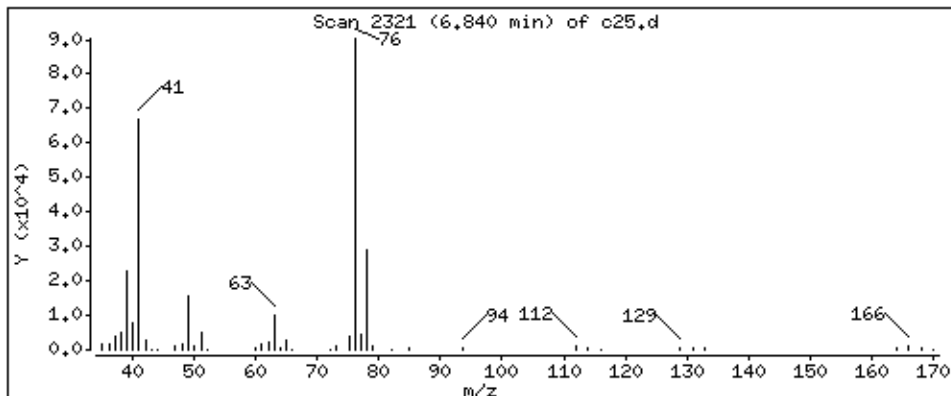
Operator: amv

Column phase: DB-624

Column diameter: 0,18

63 1,3-Dichloropropane

Concentration: 45,9 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

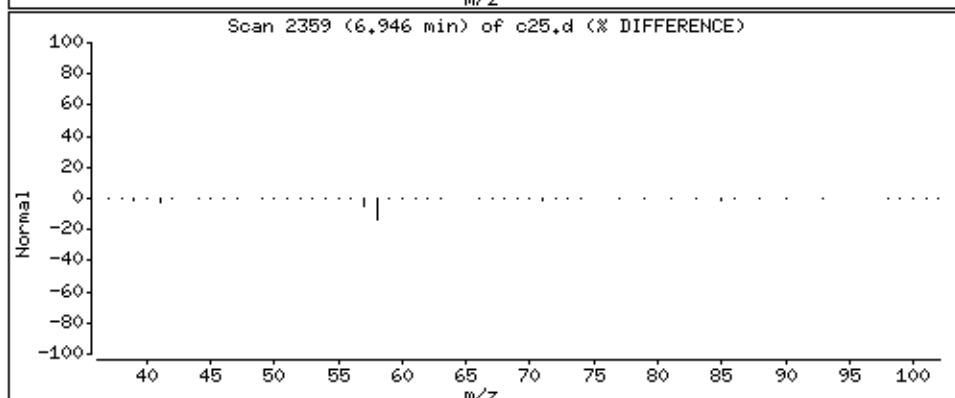
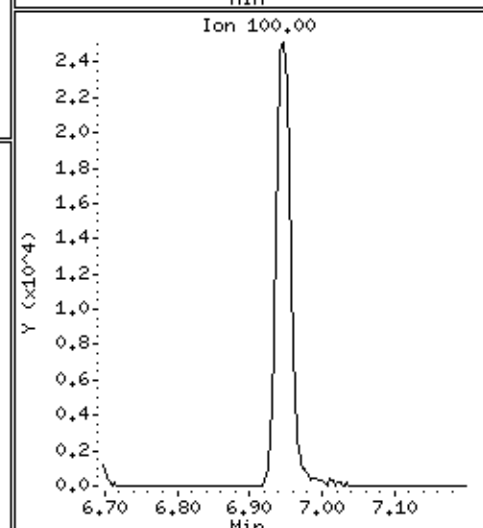
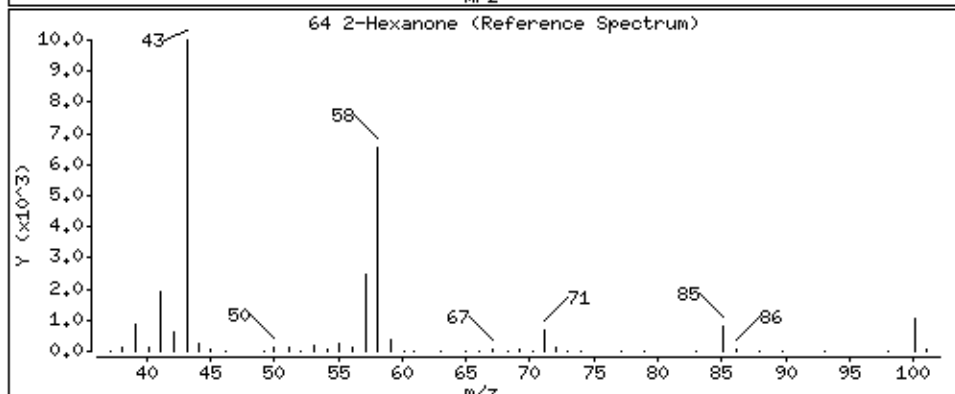
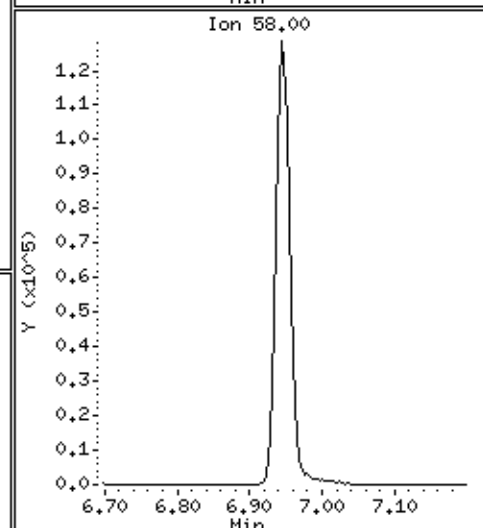
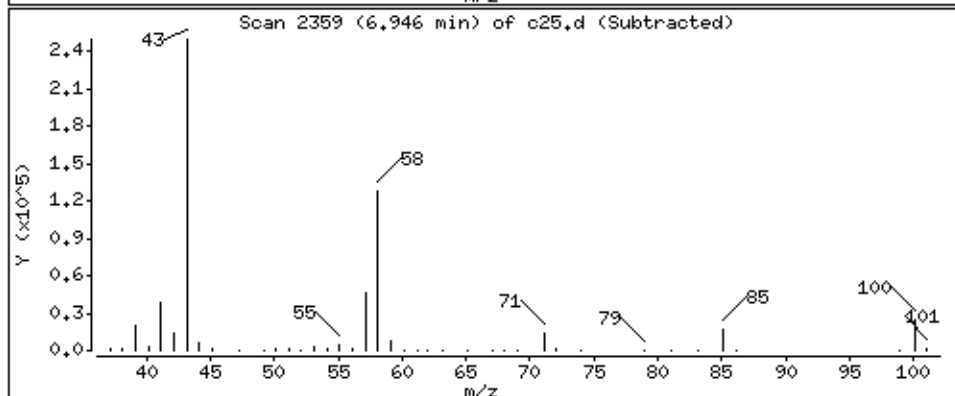
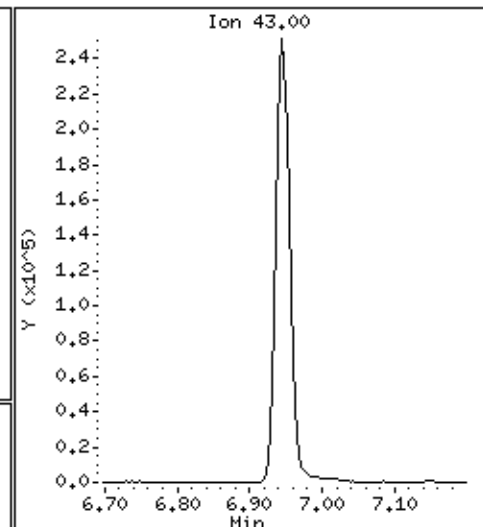
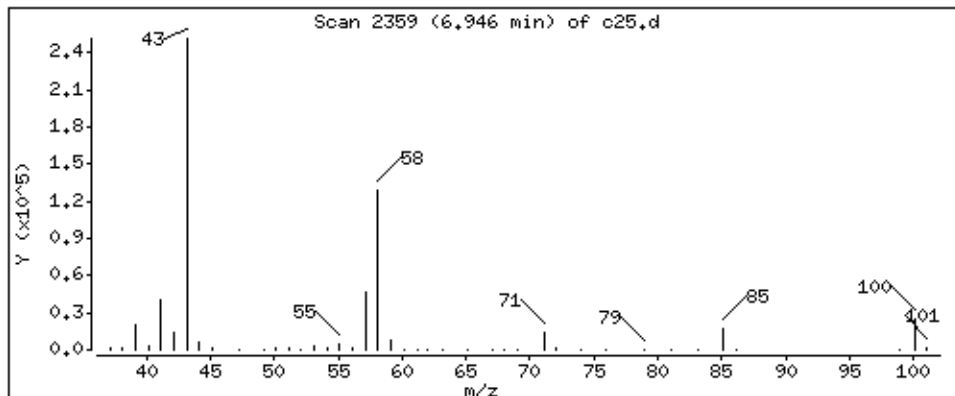
Operator: amv

Column phase: DB-624

Column diameter: 0.18

64 2-Hexanone

Concentration: 202 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

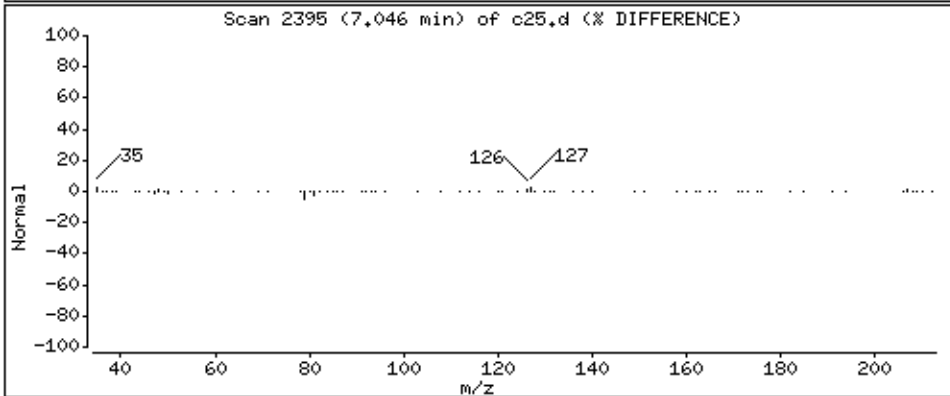
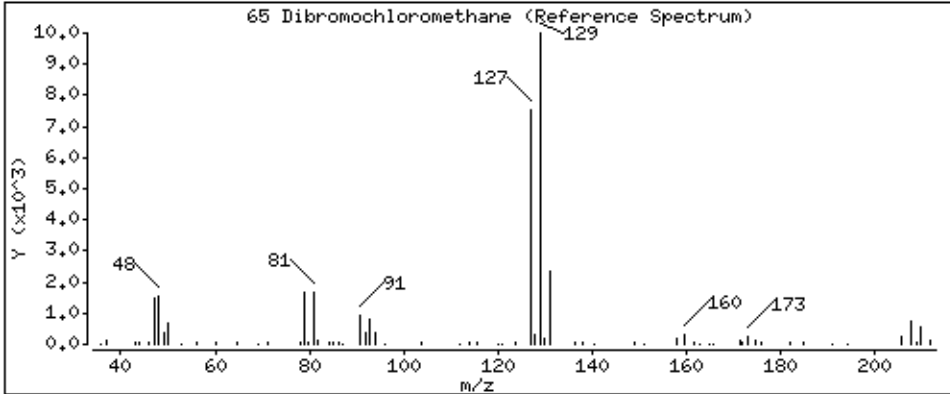
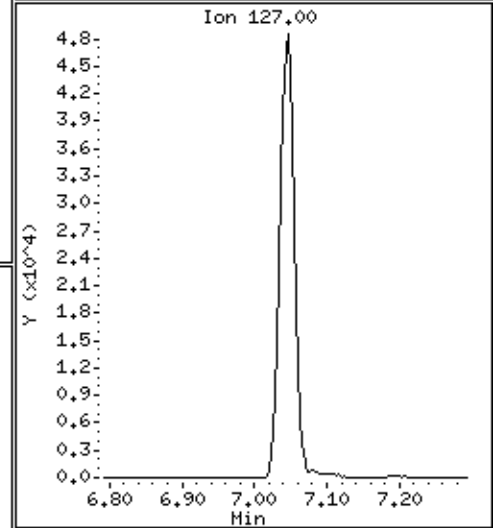
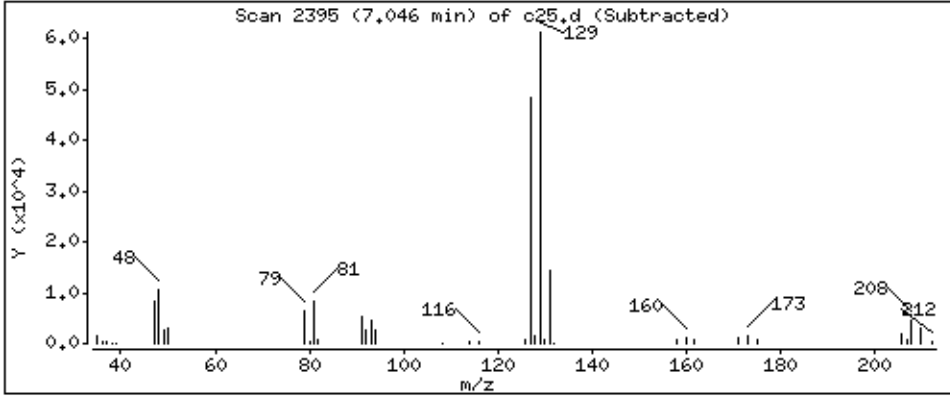
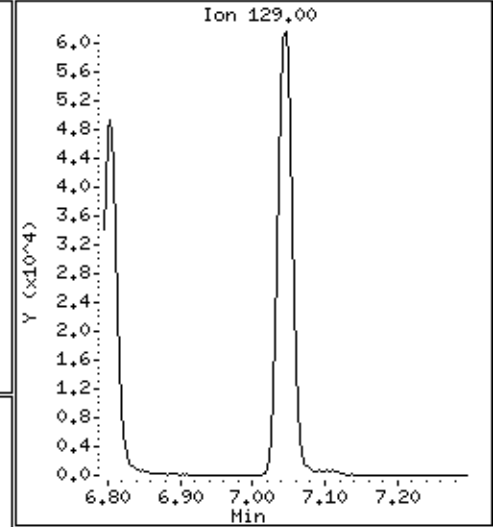
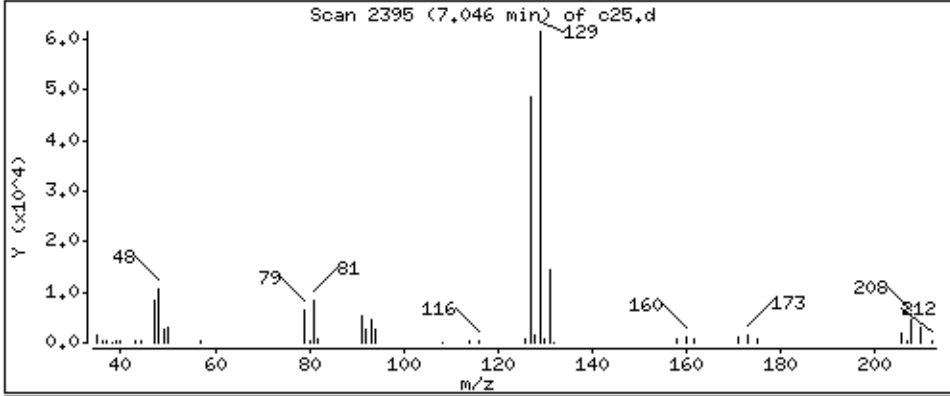
Operator: amv

Column phase: DB-624

Column diameter: 0,18

65 Dibromochloromethane

Concentration: 45,5 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

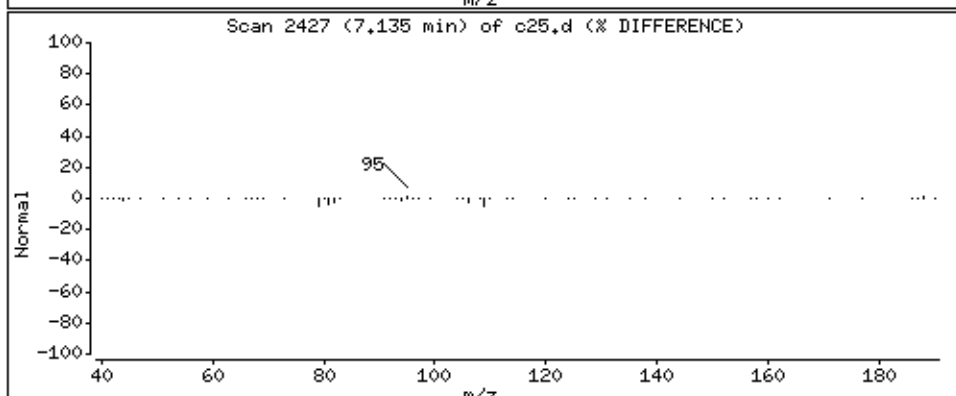
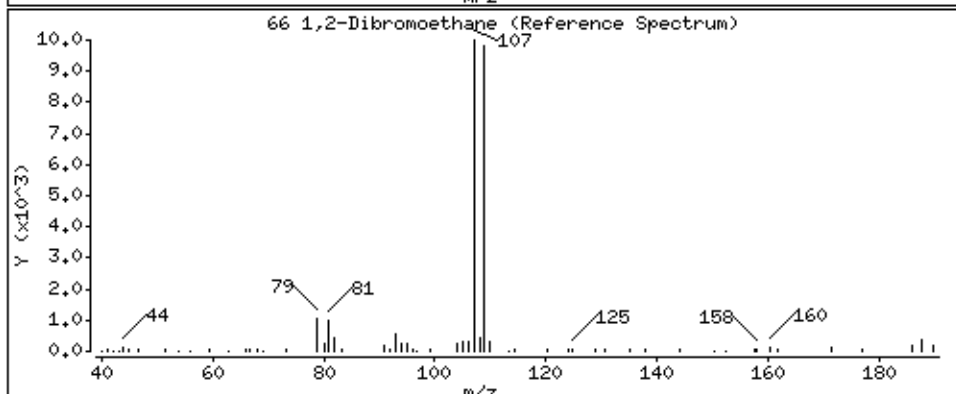
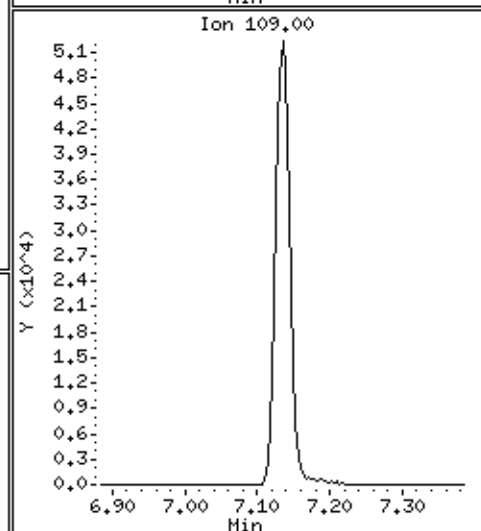
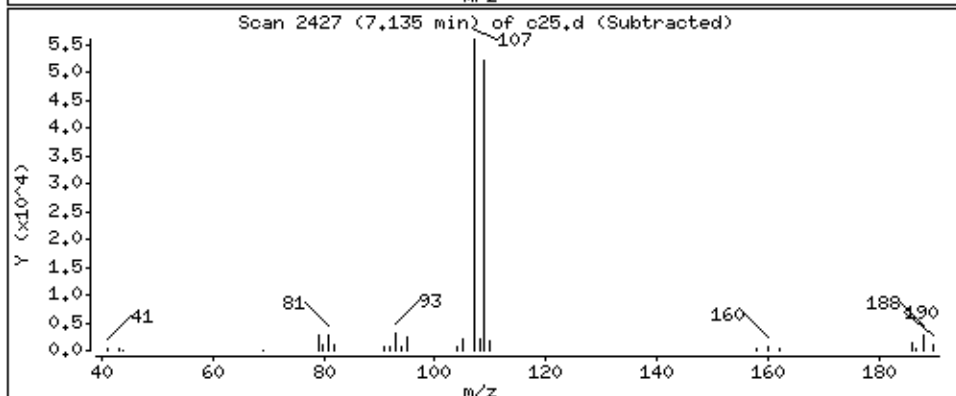
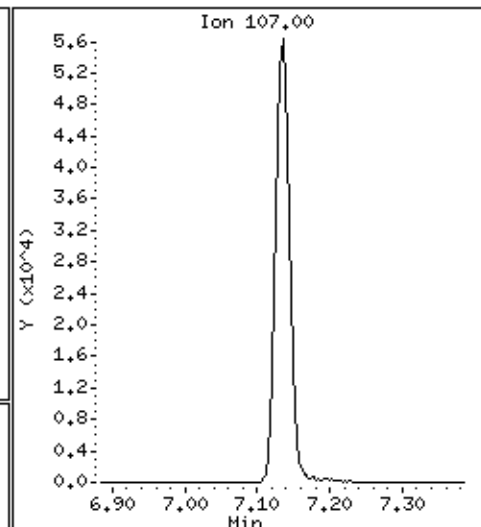
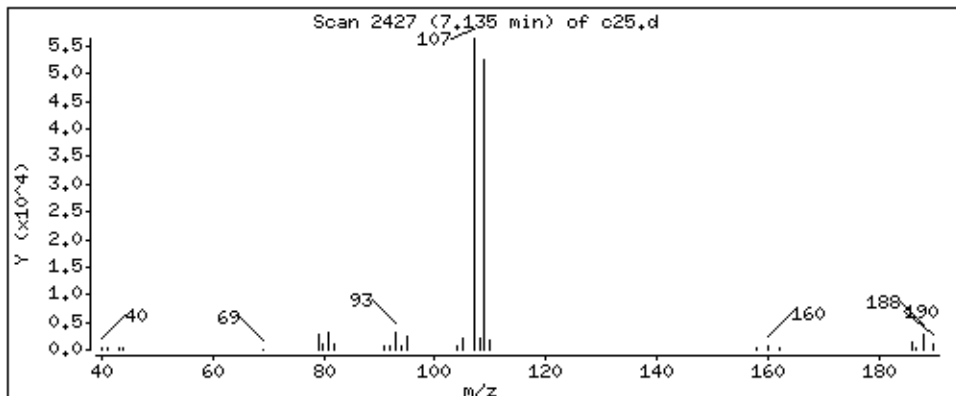
Operator: amv

Column phase: DB-624

Column diameter: 0,18

66 1,2-Dibromoethane

Concentration: 47.6 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

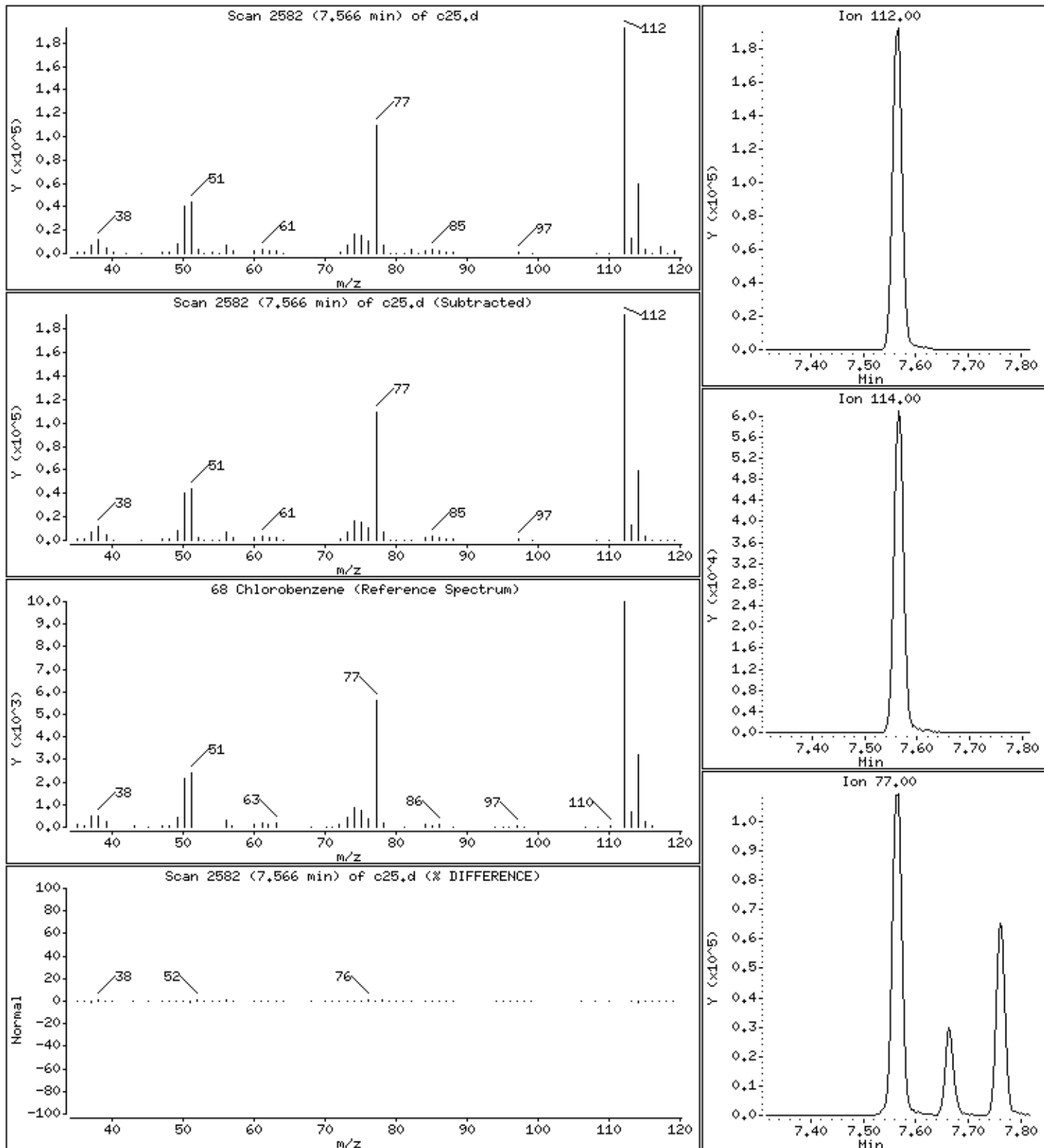
Operator: amv

Column phase: DB-624

Column diameter: 0.18

68 Chlorobenzene

Concentration: 47.9 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

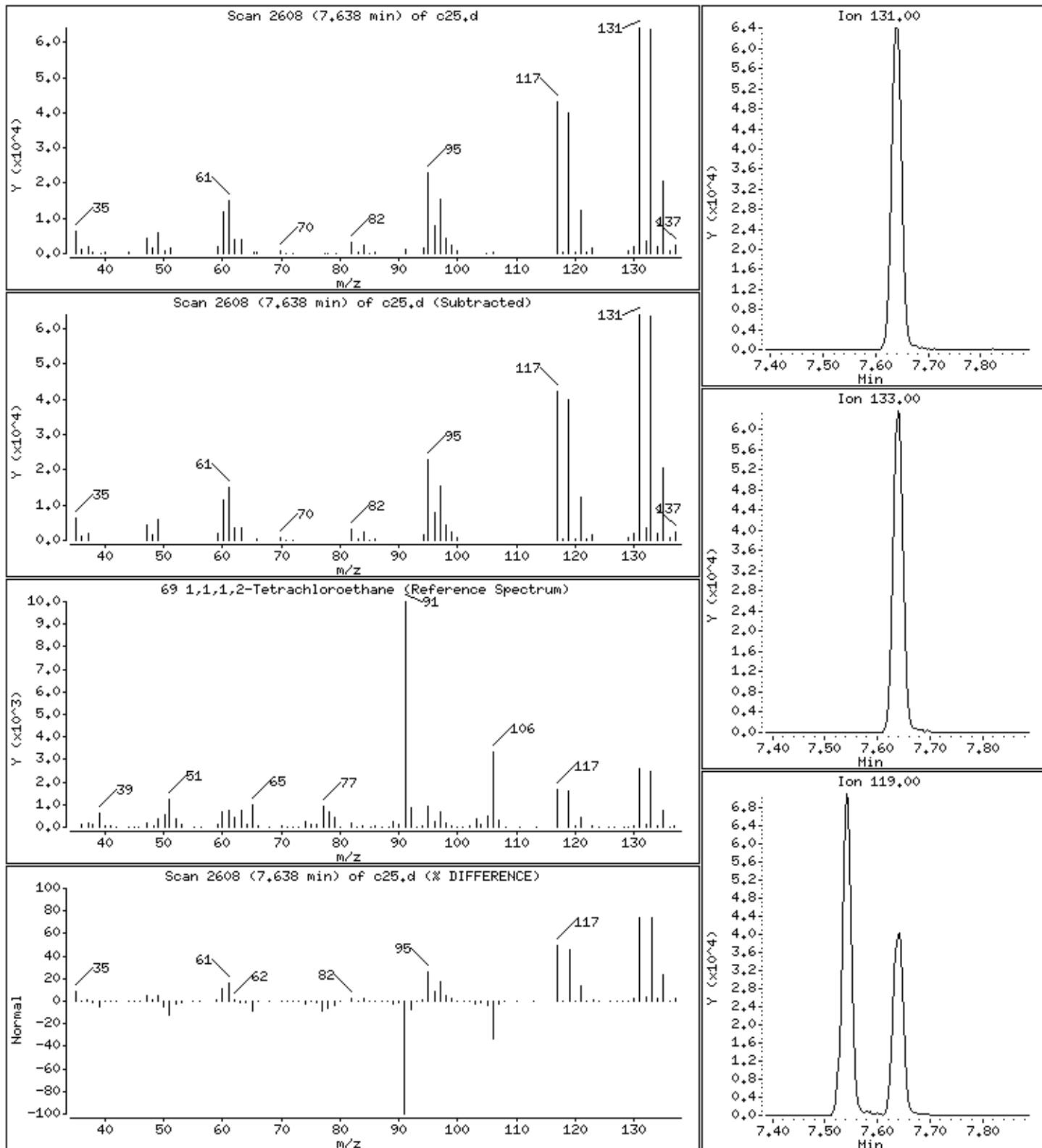
Operator: amv

Column phase: DB-624

Column diameter: 0.18

69 1,1,1,2-Tetrachloroethane

Concentration: 44.6 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

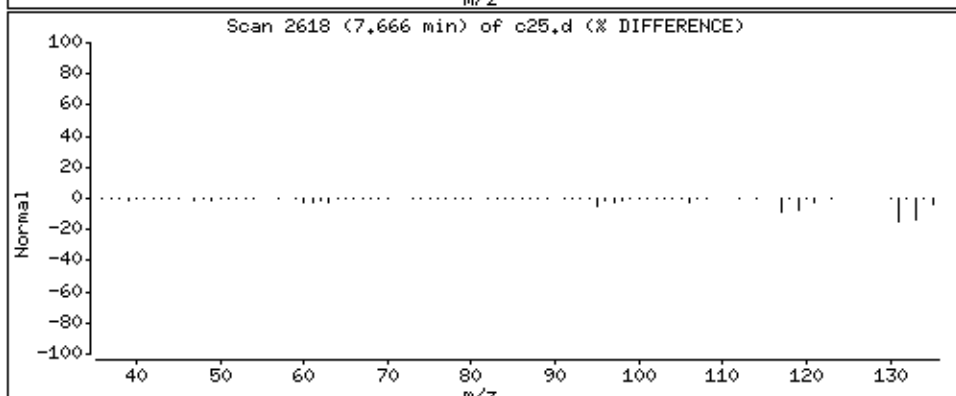
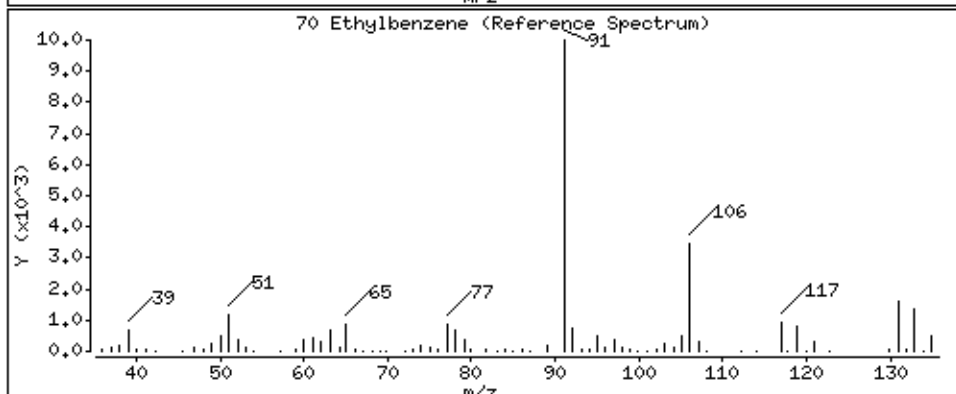
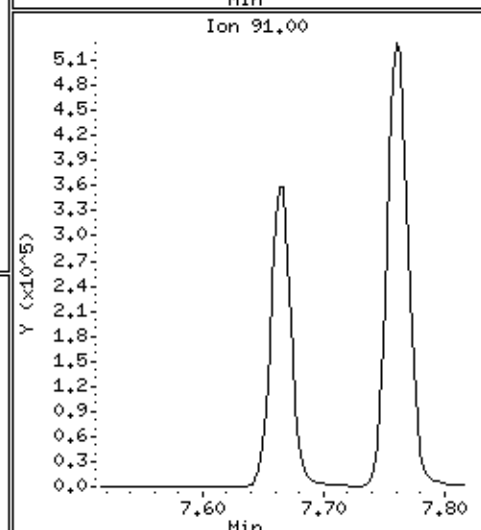
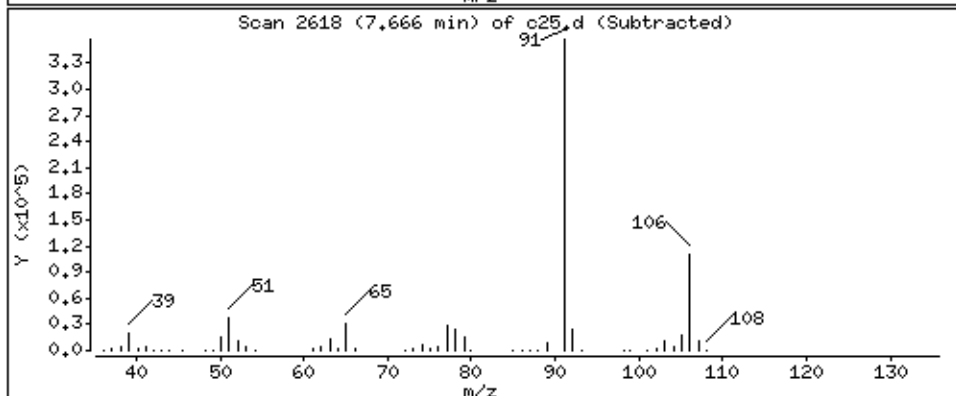
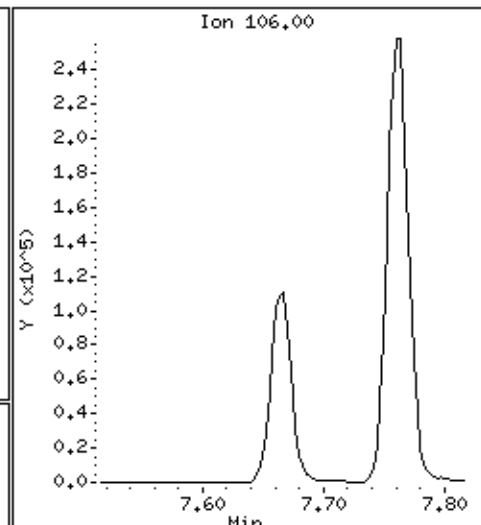
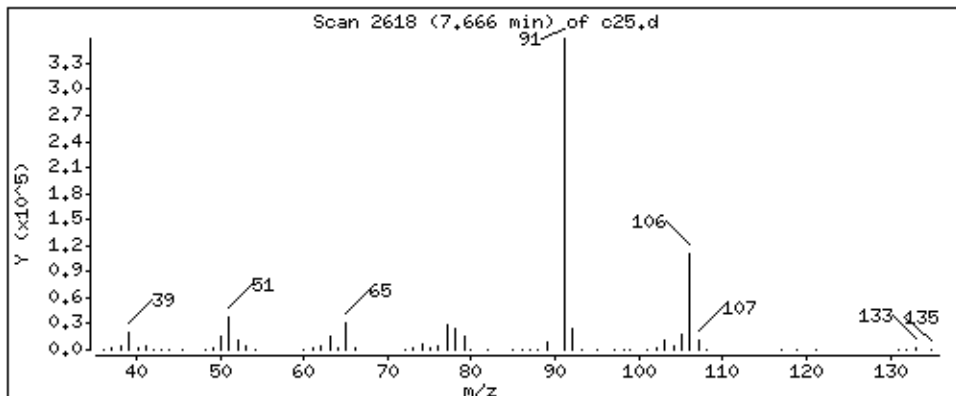
Operator: amv

Column phase: DB-624

Column diameter: 0.18

70 Ethylbenzene

Concentration: 48.2 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

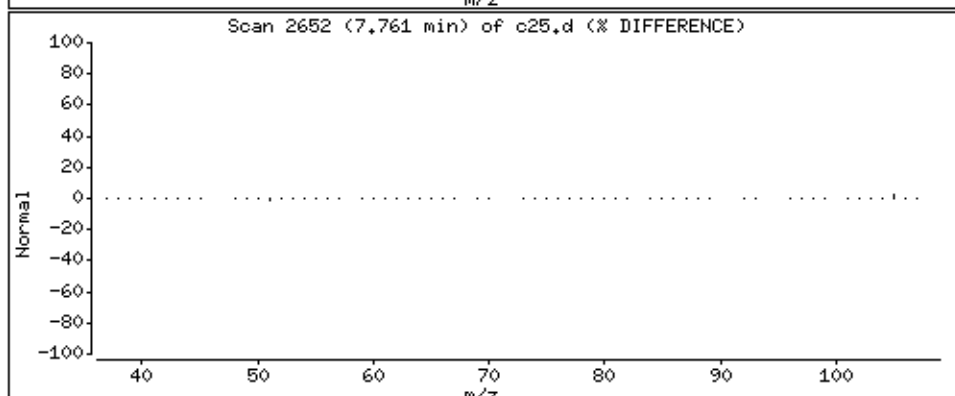
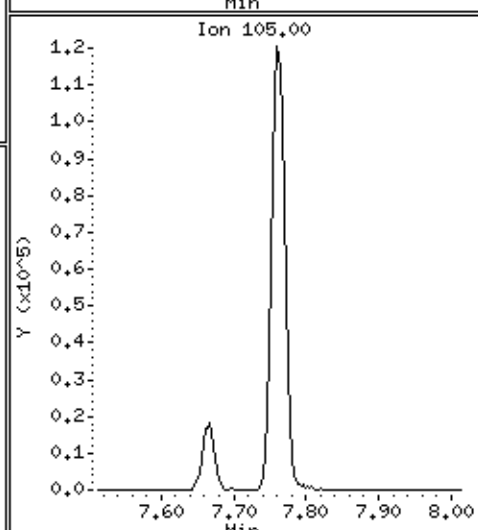
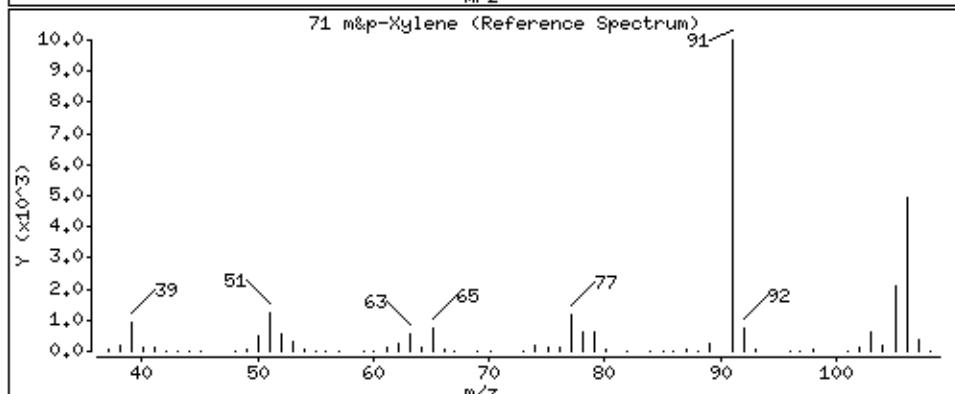
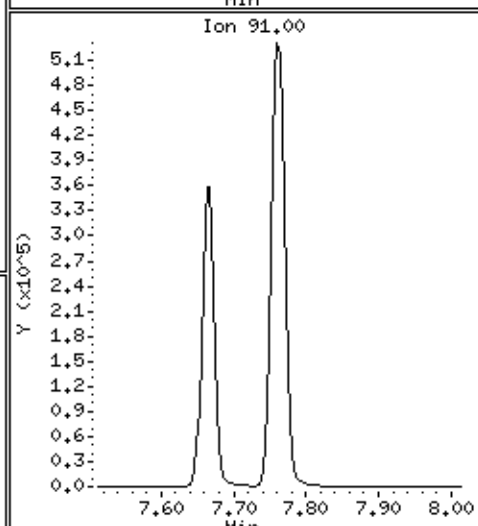
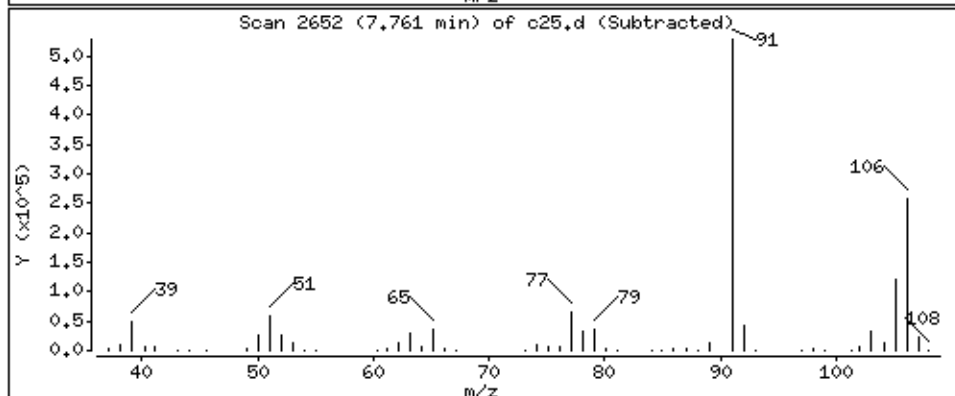
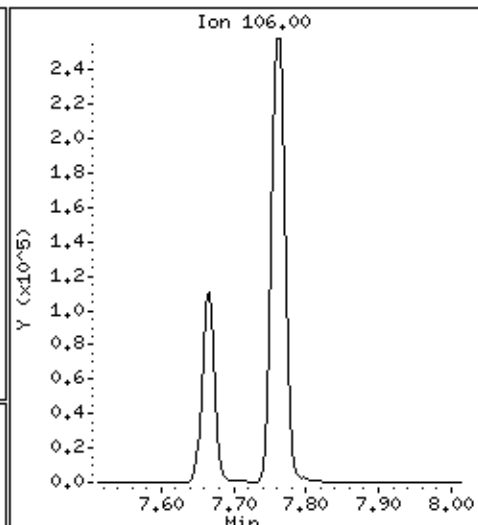
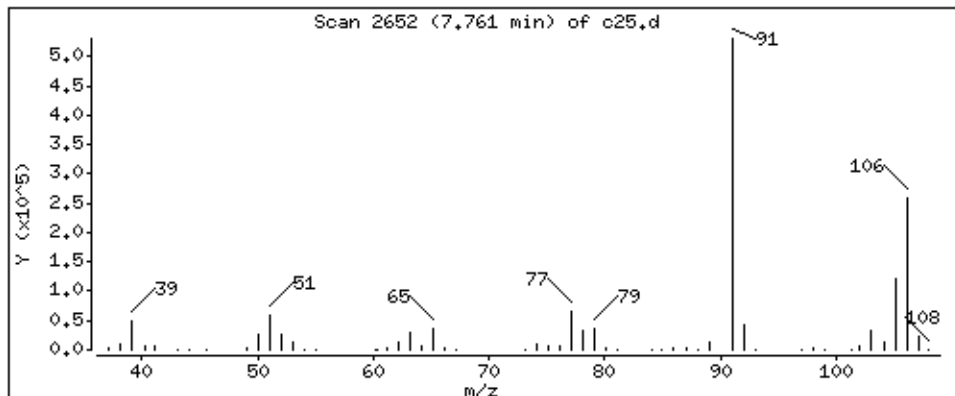
Operator: amv

Column phase: DB-624

Column diameter: 0.18

71 m&p-Xylene

Concentration: 93.0 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

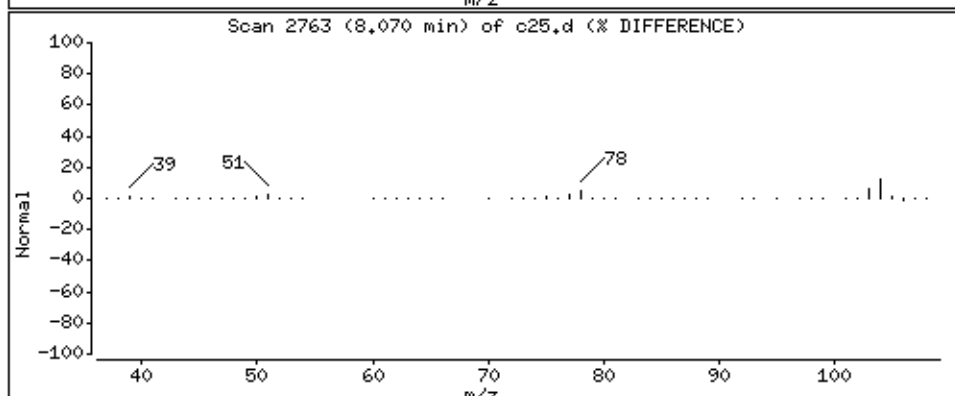
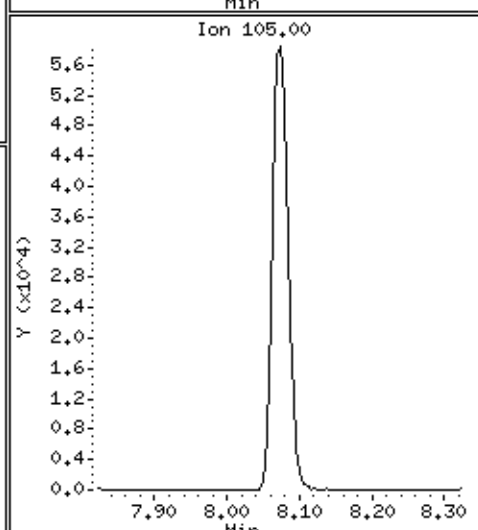
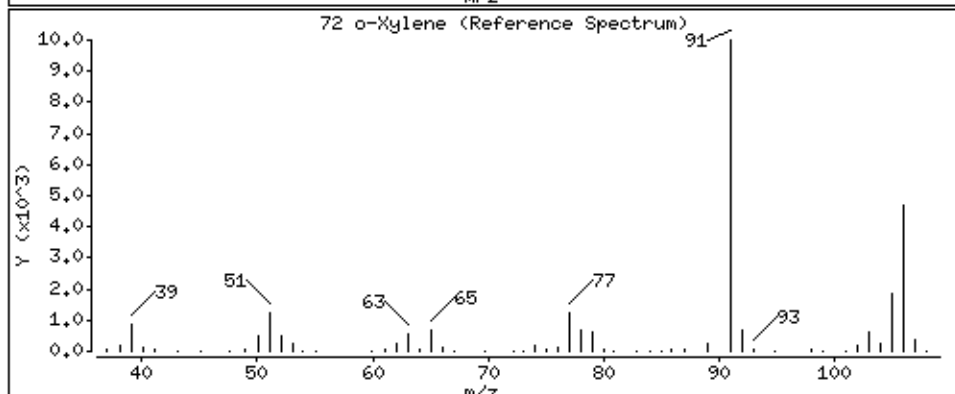
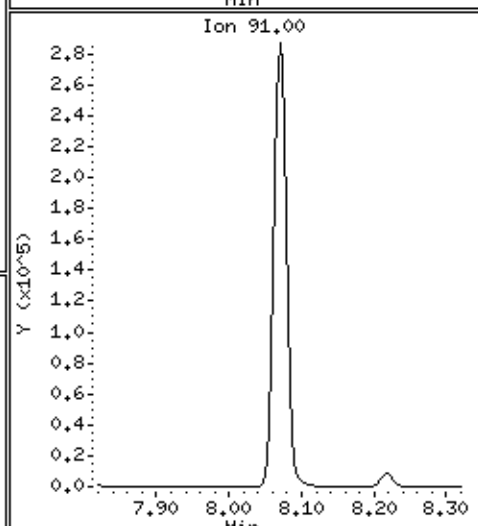
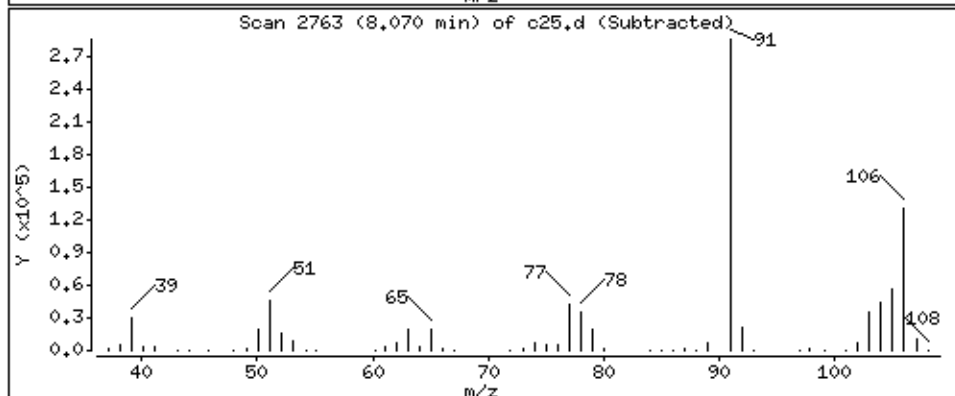
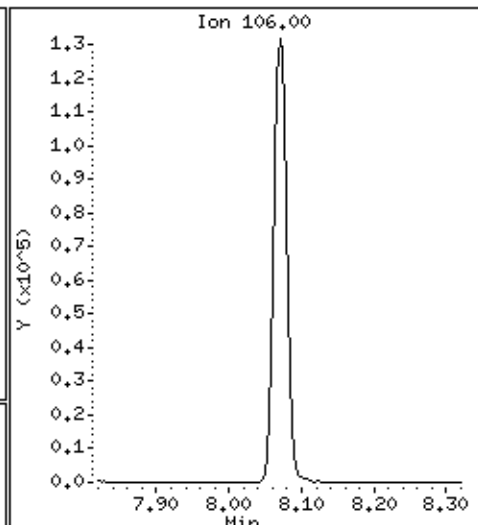
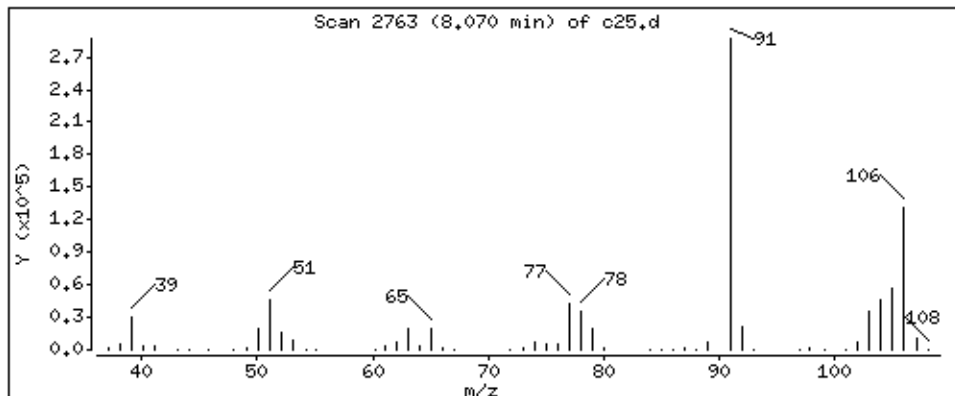
Operator: amv

Column phase: DB-624

Column diameter: 0.18

72 o-Xylene

Concentration: 48.7 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

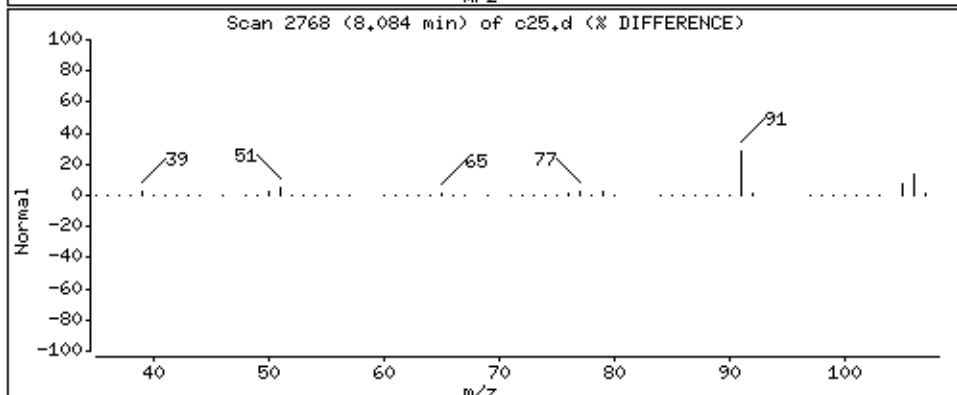
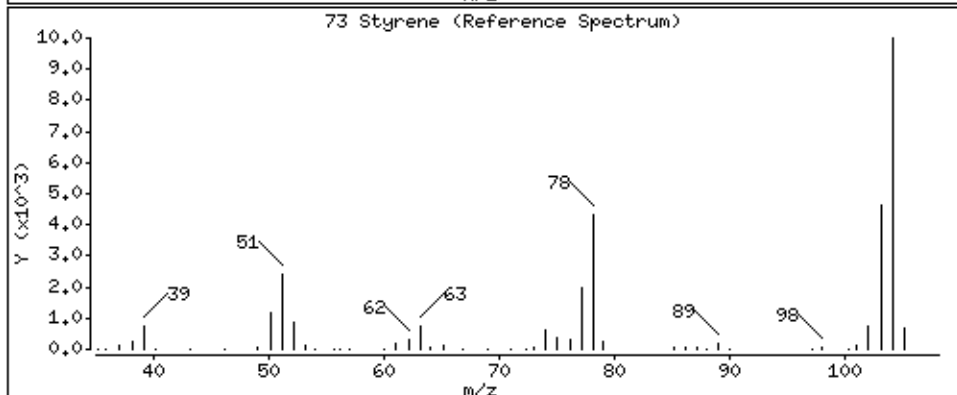
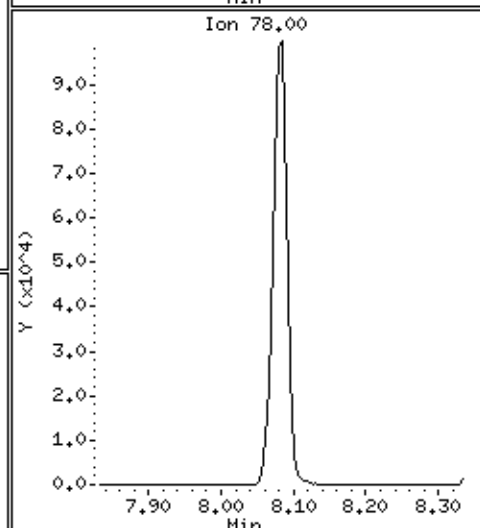
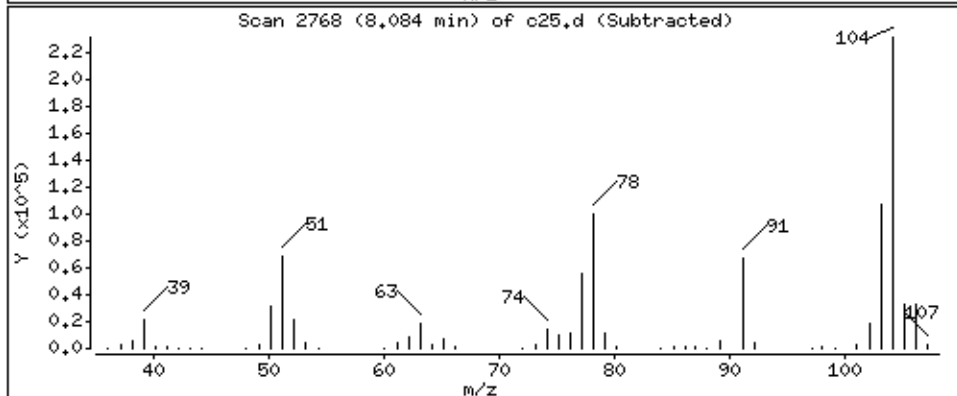
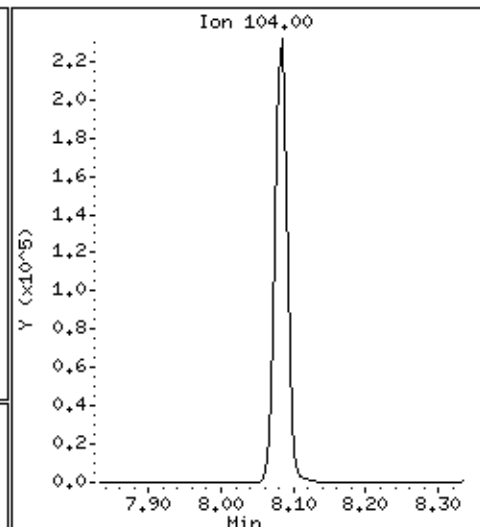
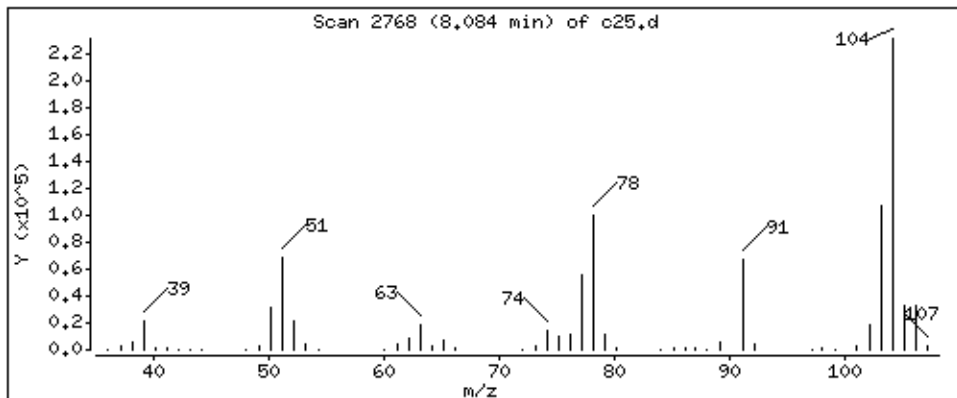
Operator: amv

Column phase: DB-624

Column diameter: 0.18

73 Styrene

Concentration: 47.7 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

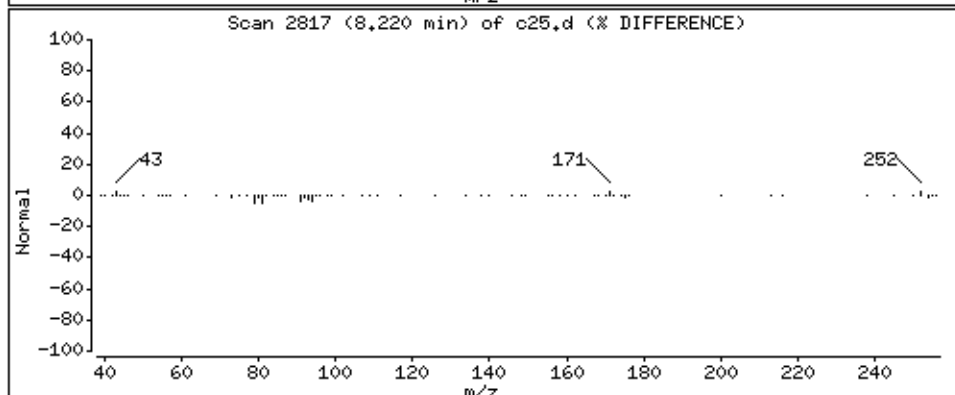
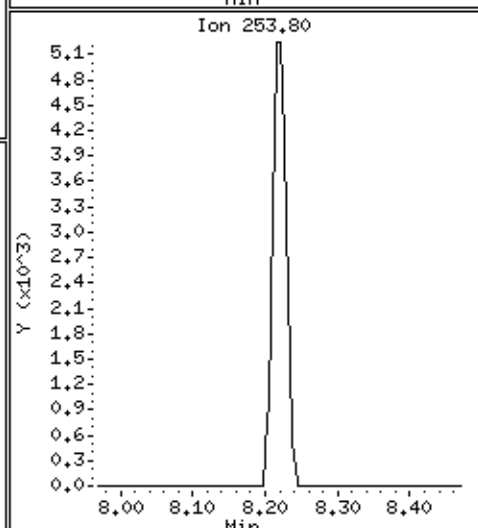
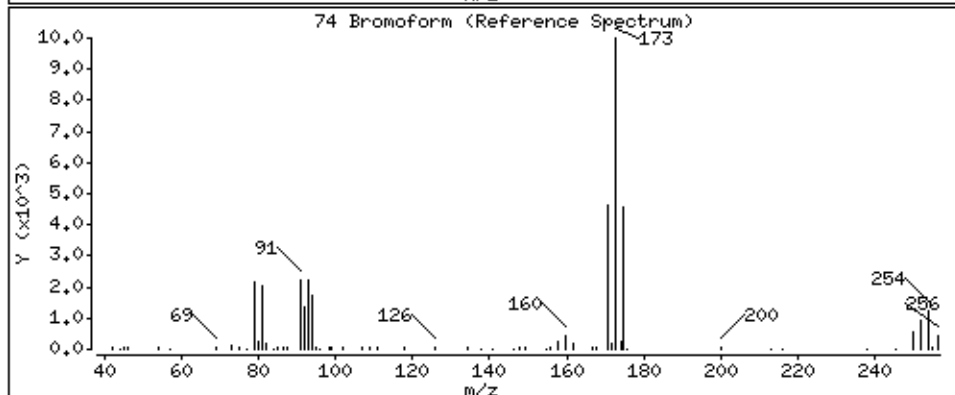
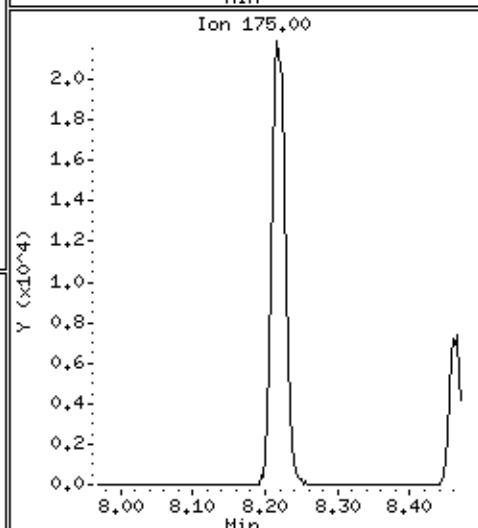
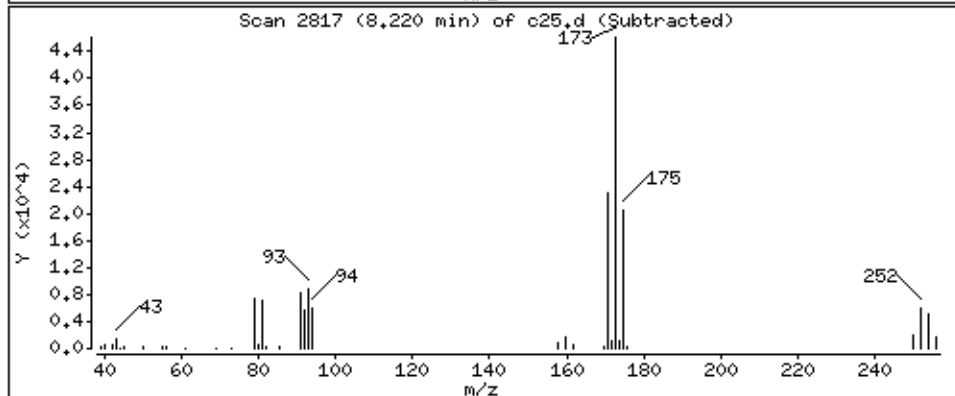
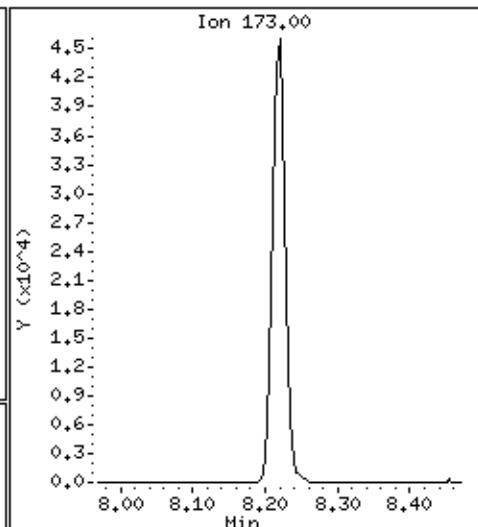
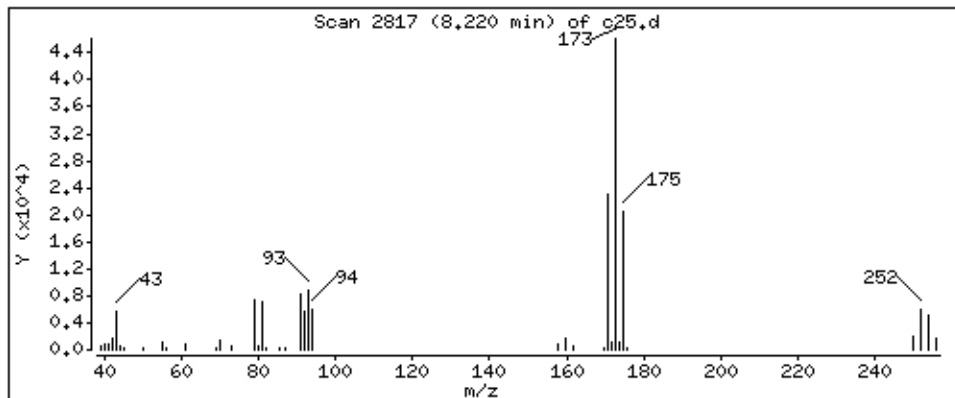
Operator: amv

Column phase: DB-624

Column diameter: 0,18

74 Bromoform

Concentration: 40,6 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

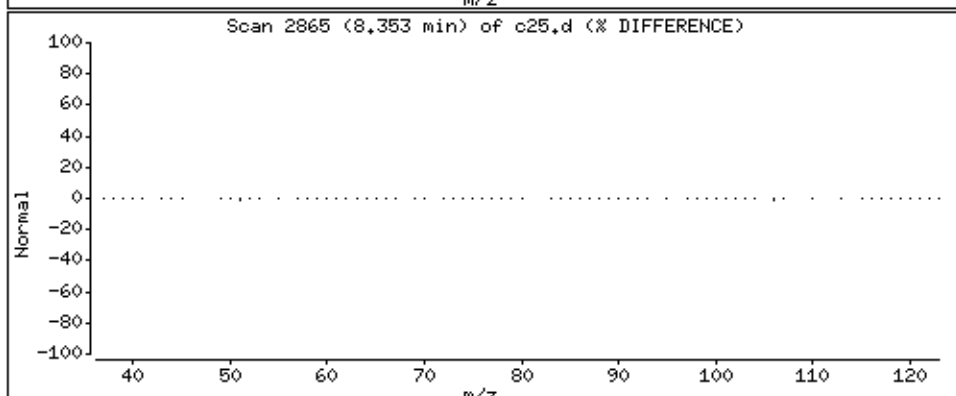
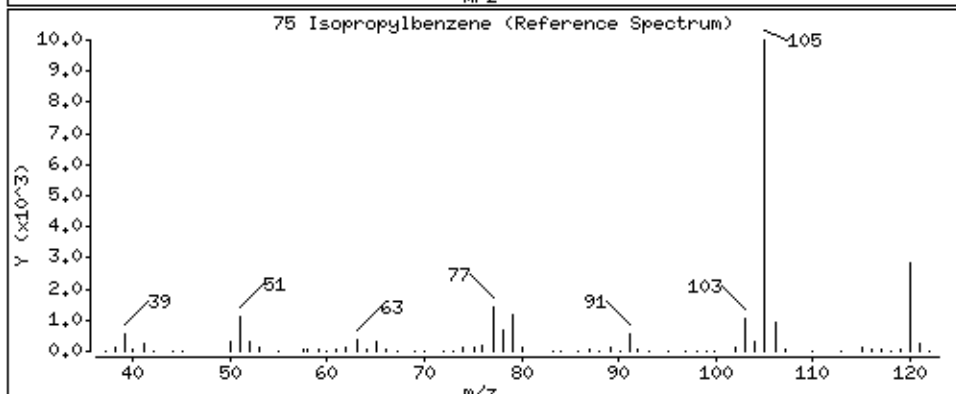
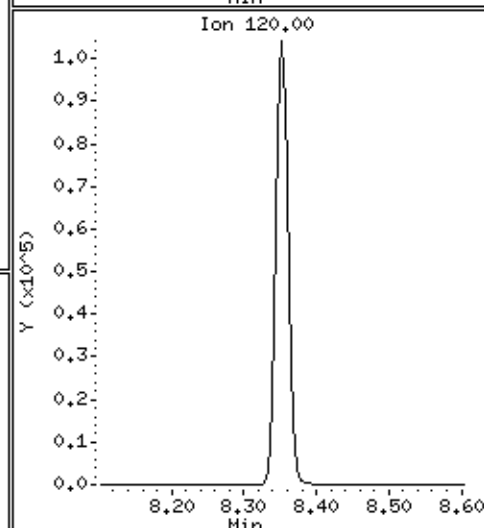
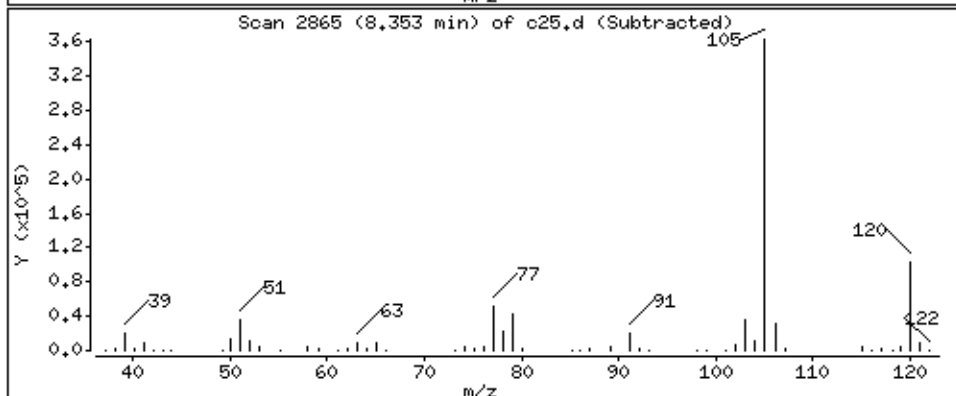
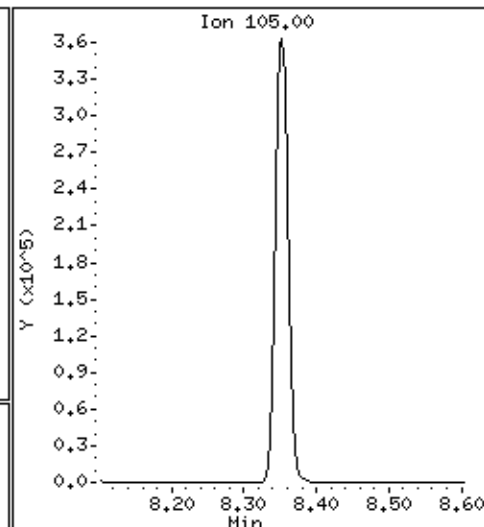
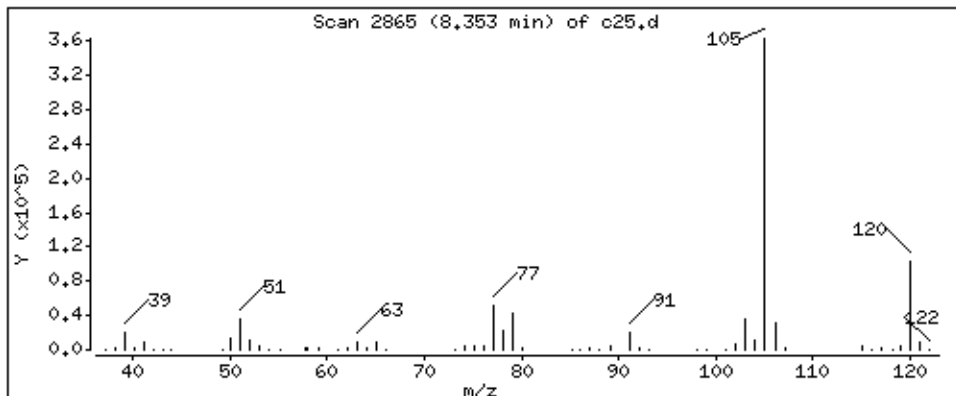
Operator: amv

Column phase: DB-624

Column diameter: 0,18

75 Isopropylbenzene

Concentration: 46,1 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a,i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

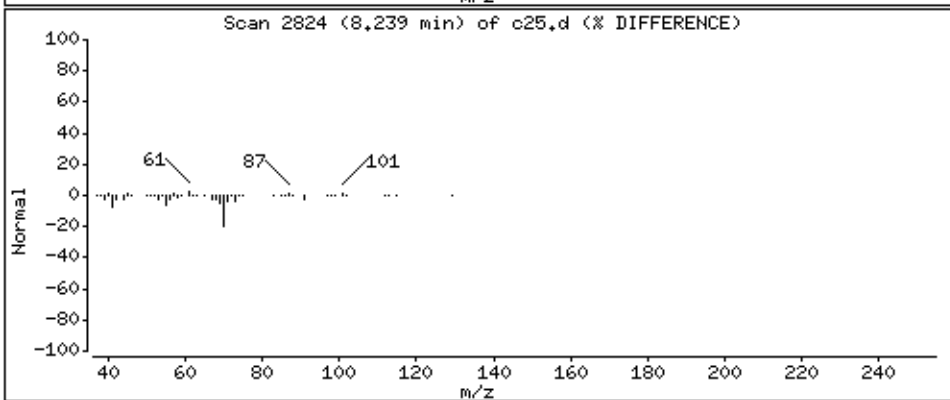
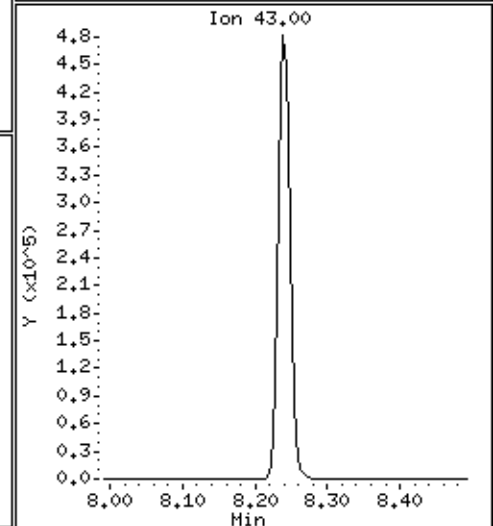
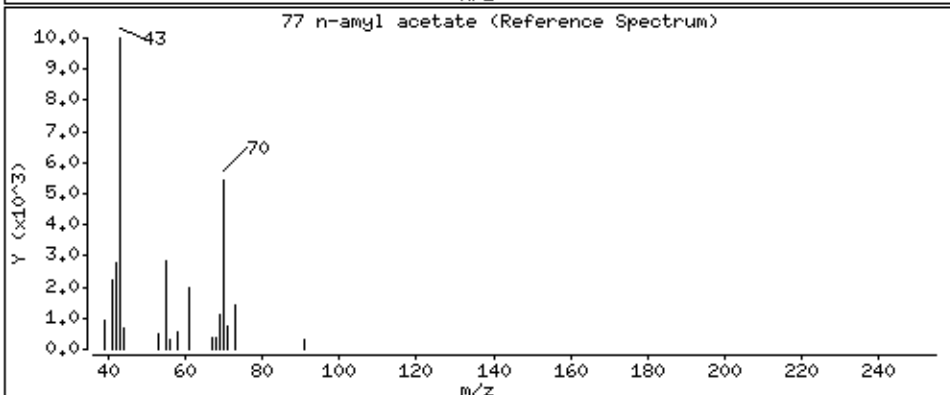
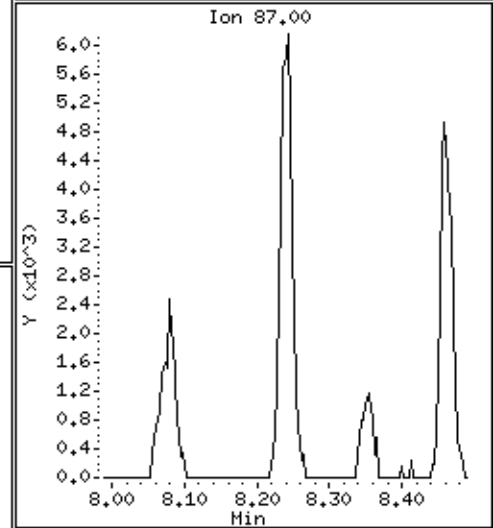
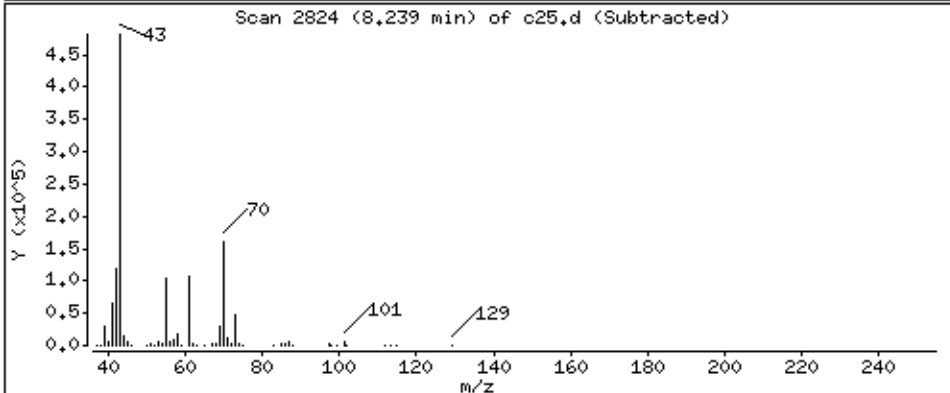
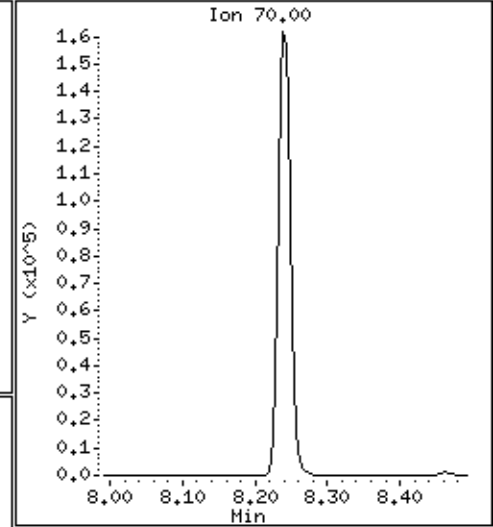
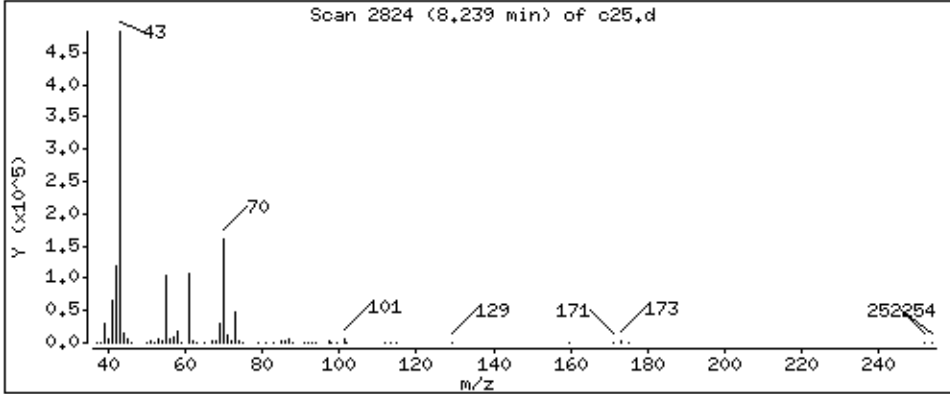
Operator: amv

Column phase: DB-624

Column diameter: 0,18

77 n-nyl acetate

Concentration: 136 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

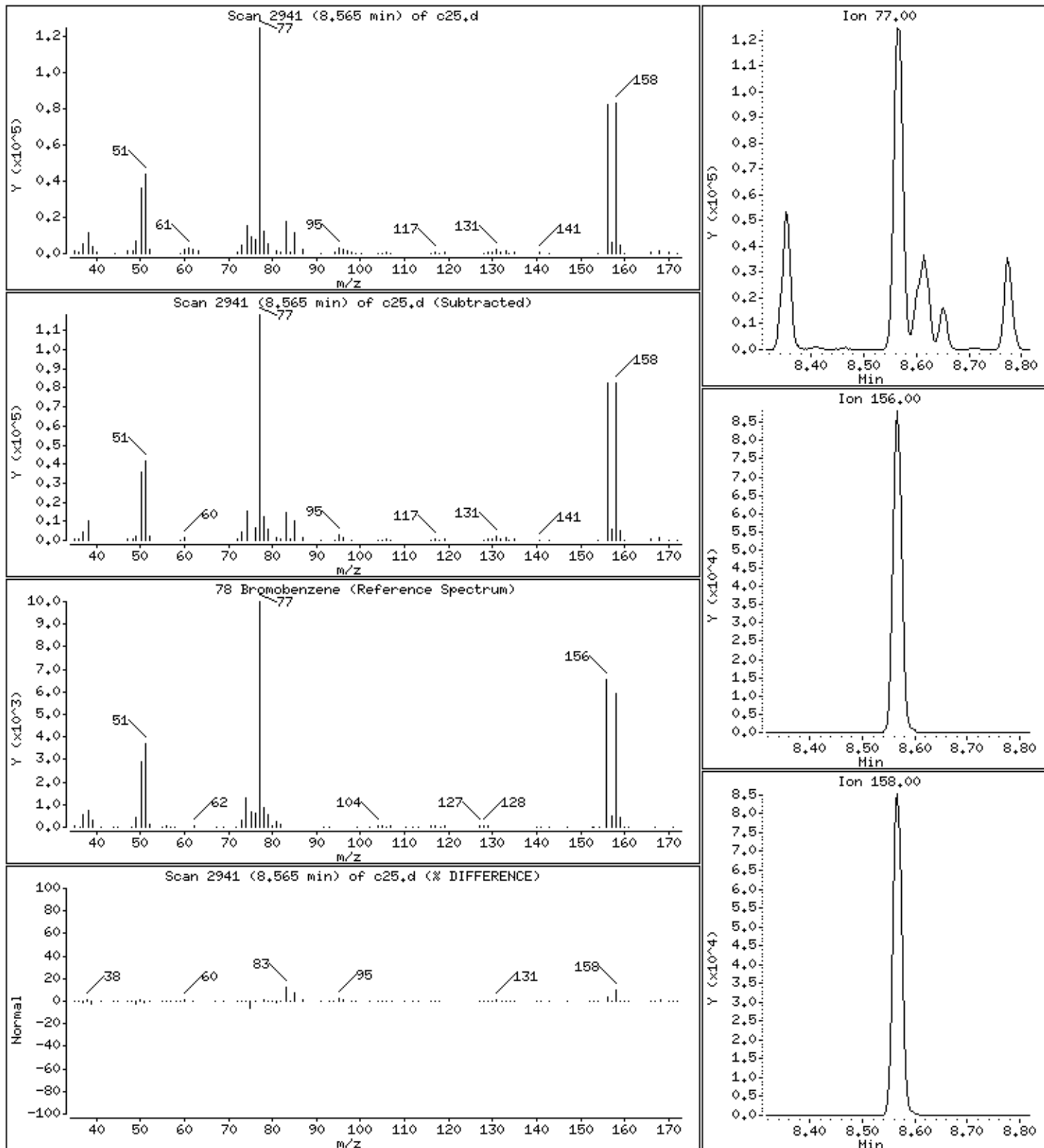
Operator: amv

Column phase: DB-624

Column diameter: 0.18

78 Bromobenzene

Concentration: 45.8 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mw2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

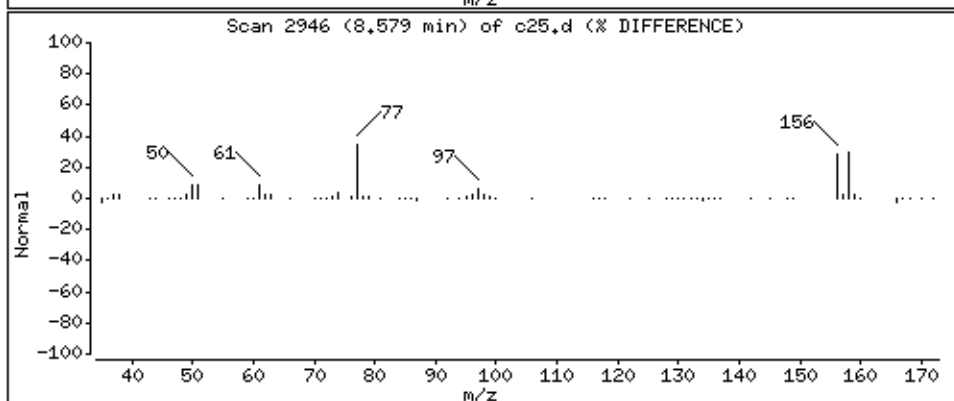
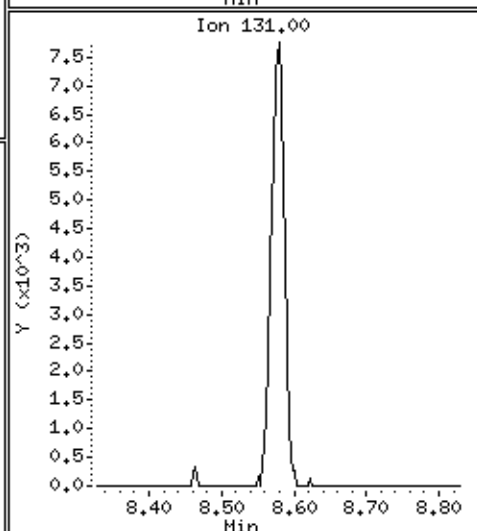
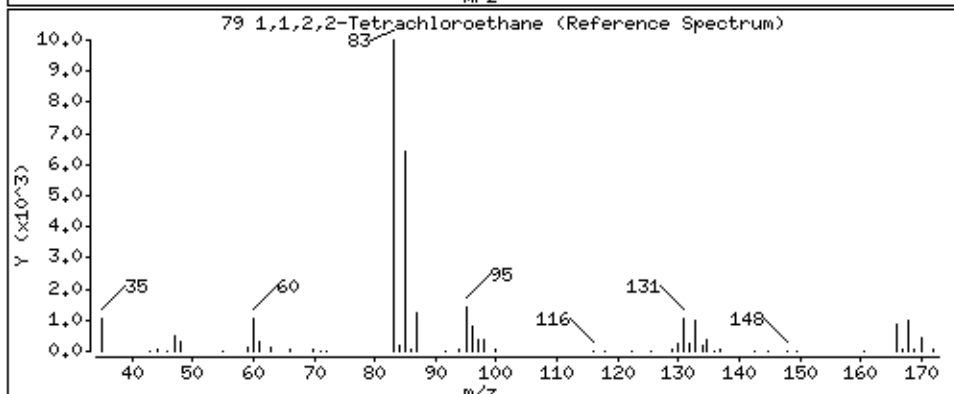
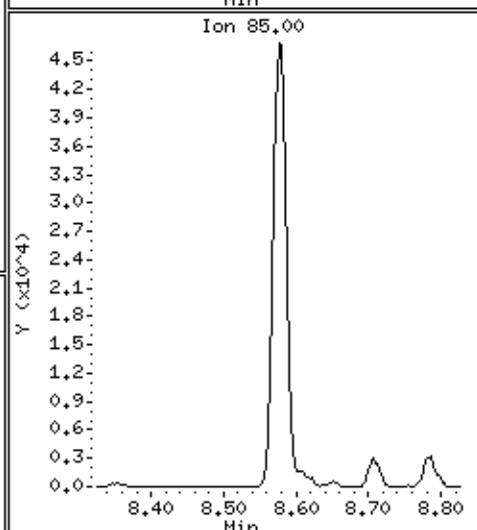
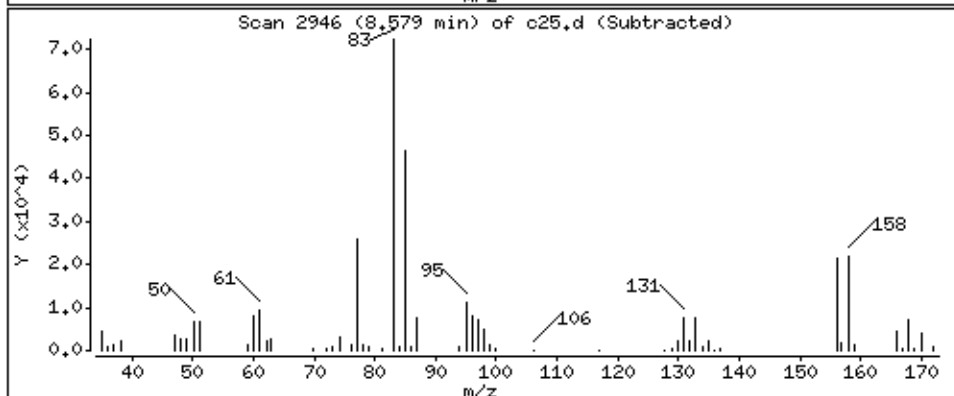
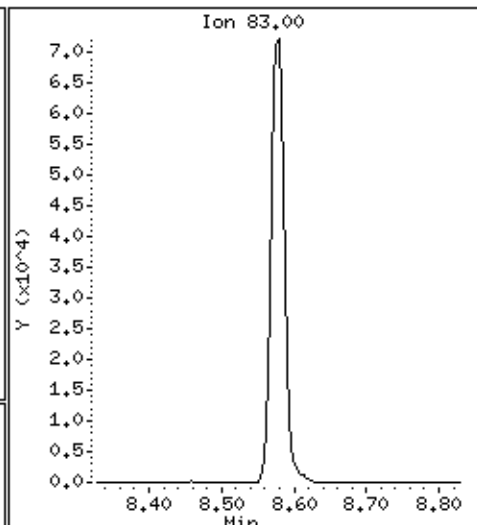
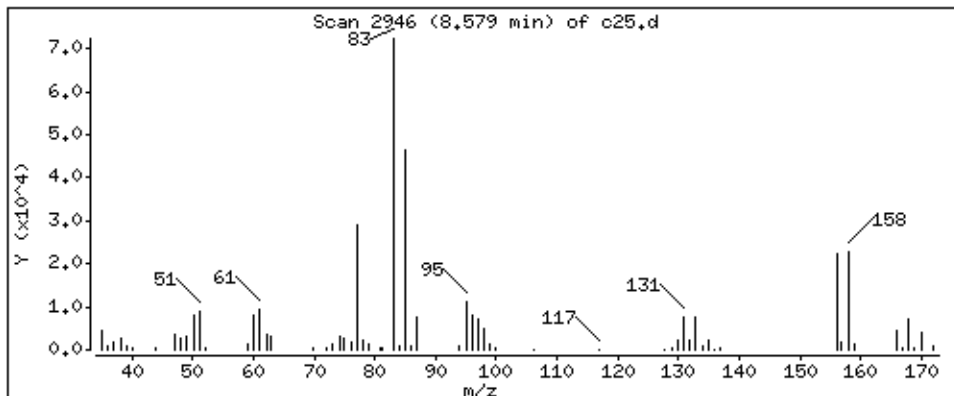
Operator: amv

Column phase: DB-624

Column diameter: 0,18

79 1,1,2,2-Tetrachloroethane

Concentration: 41.9 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

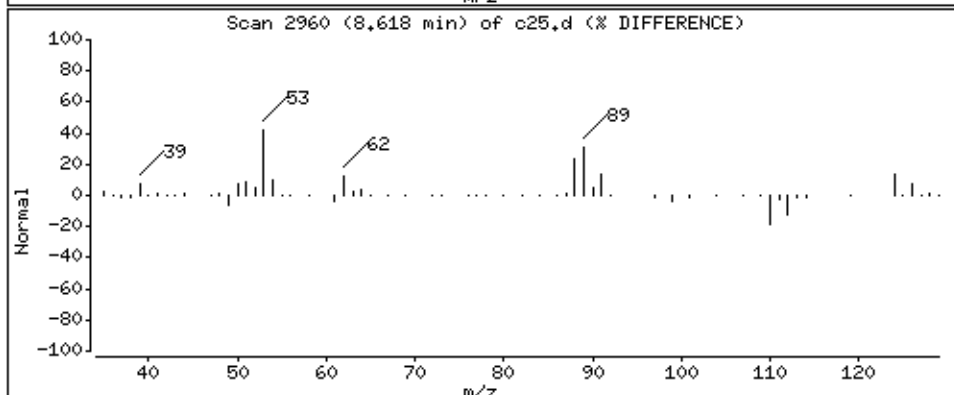
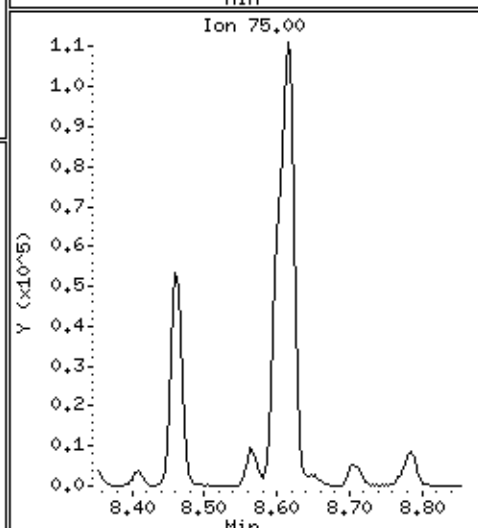
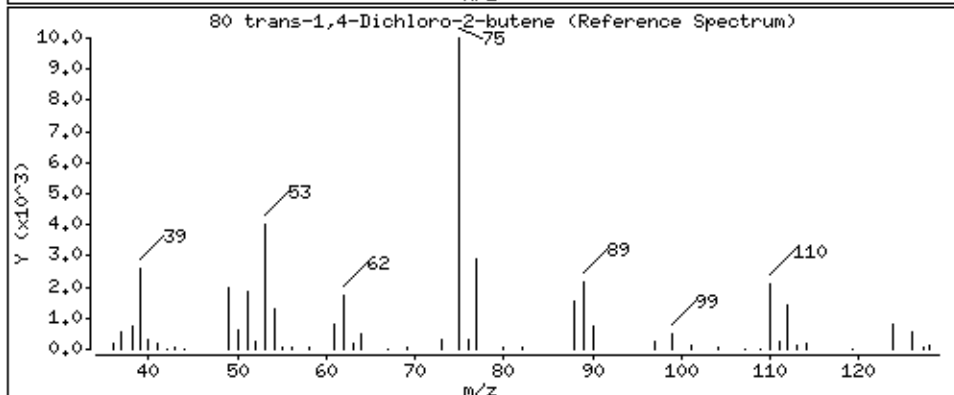
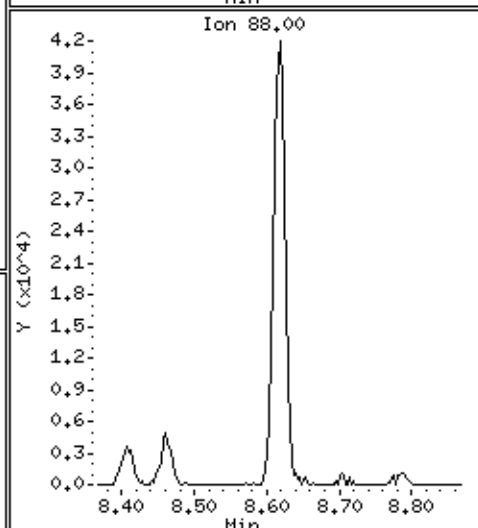
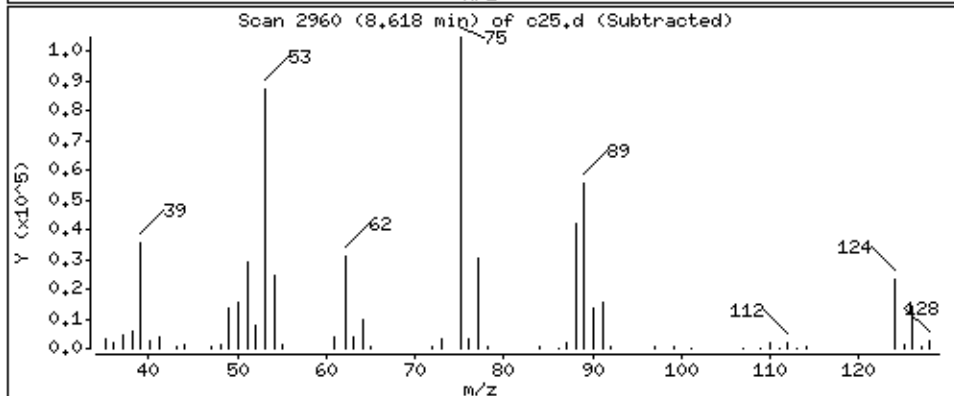
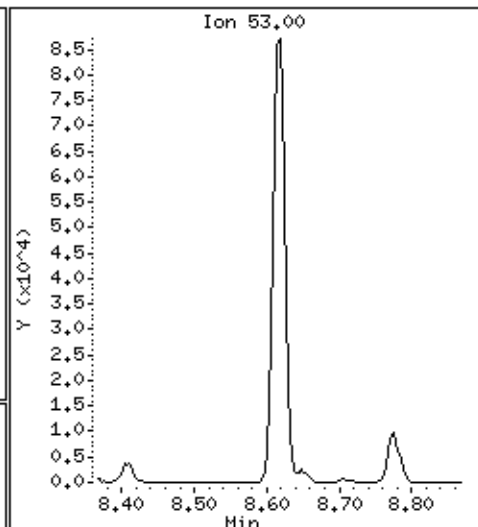
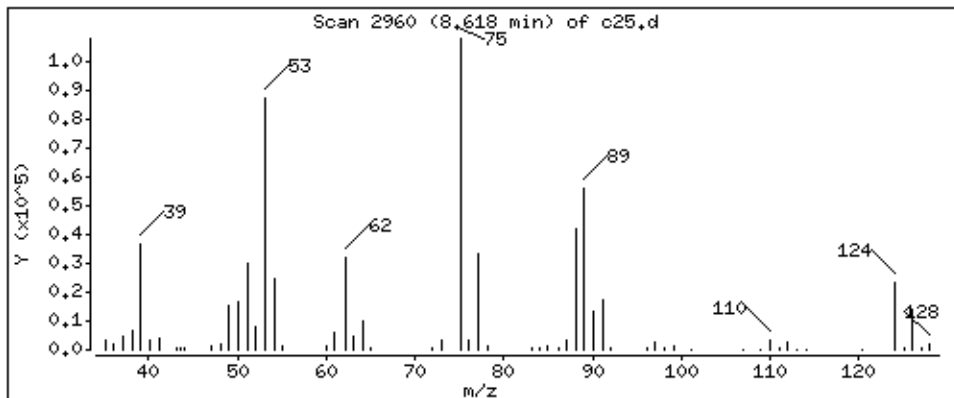
Operator: amv

Column phase: DB-624

Column diameter: 0,18

80 trans-1,4-Dichloro-2-butene

Concentration: 127 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

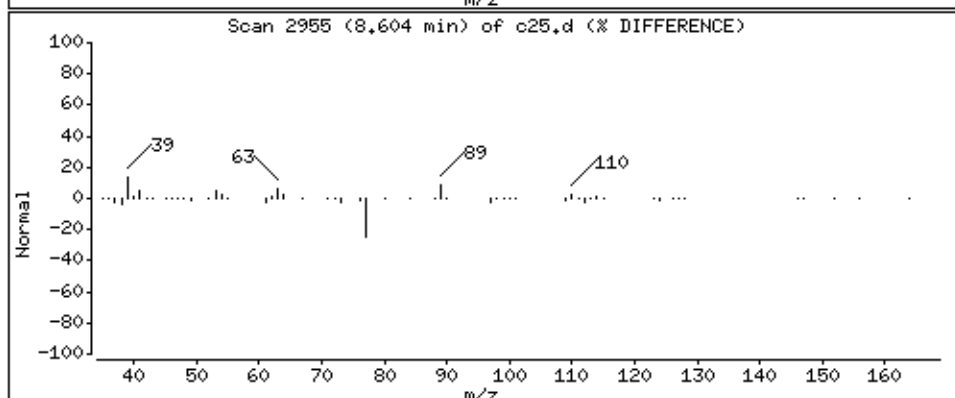
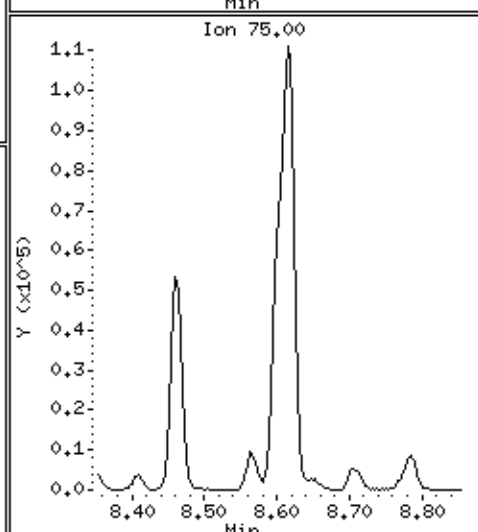
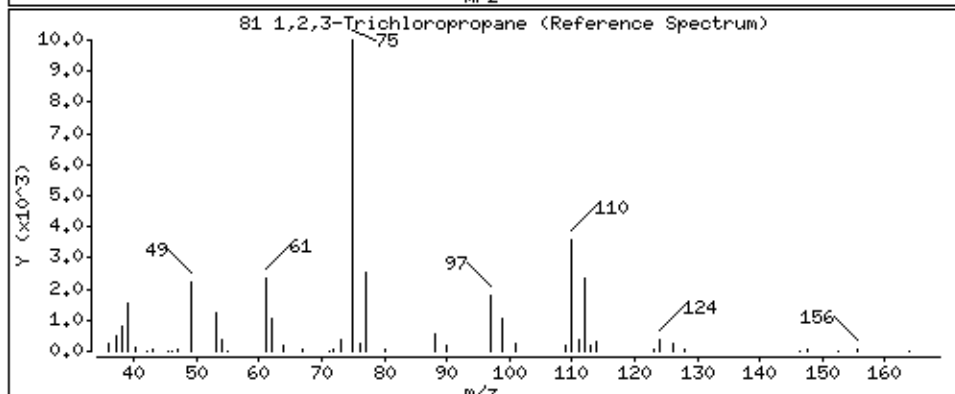
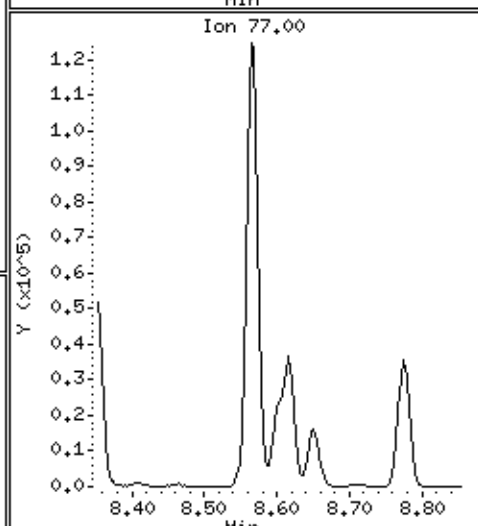
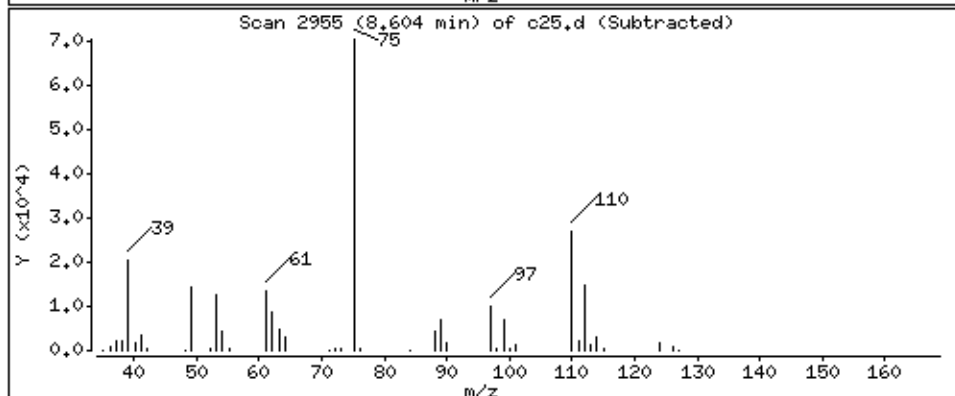
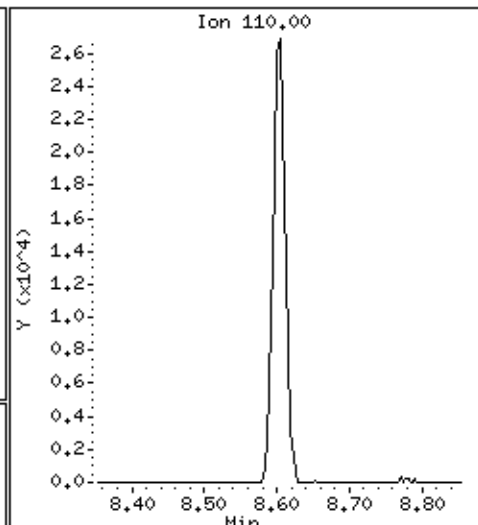
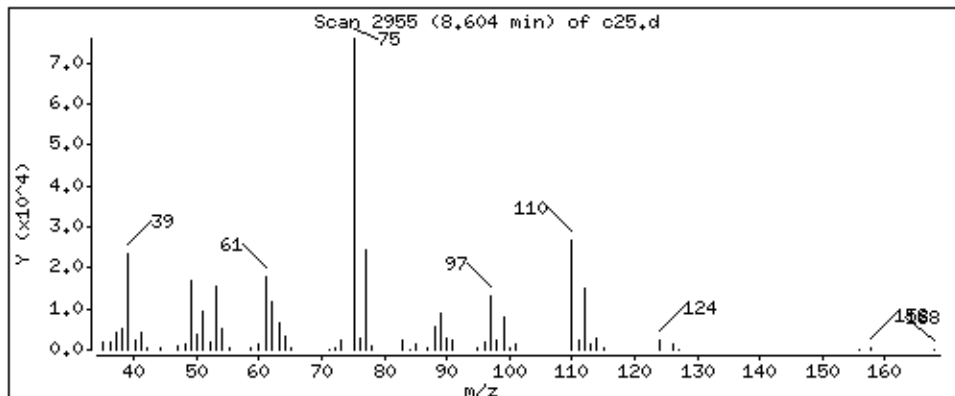
Operator: amv

Column phase: DB-624

Column diameter: 0,18

81 1,2,3-Trichloropropane

Concentration: 44,6 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

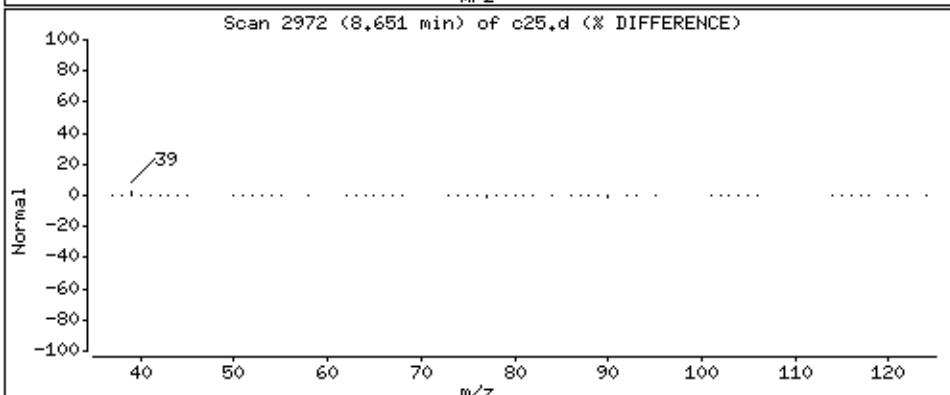
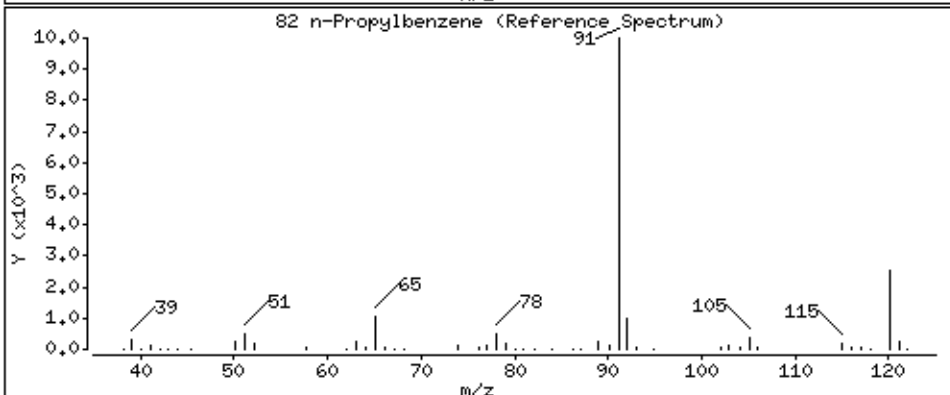
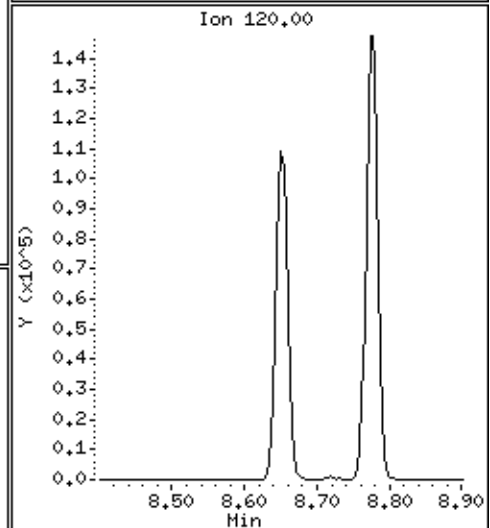
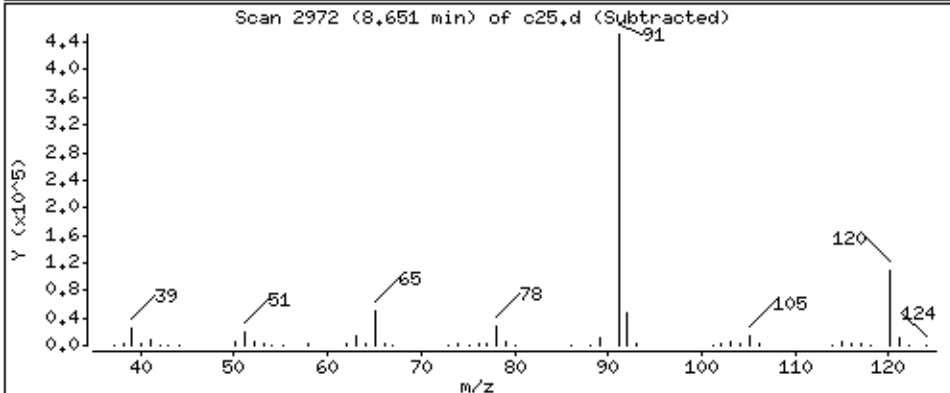
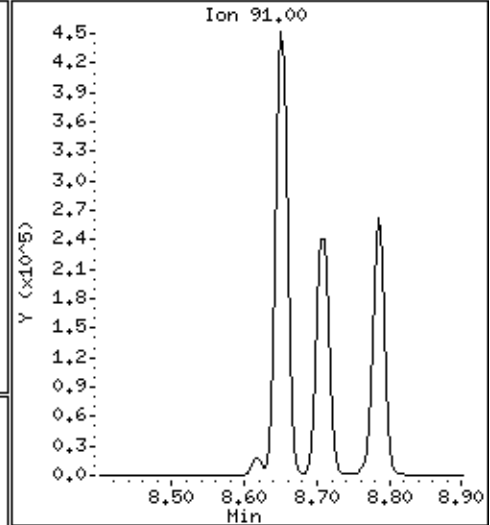
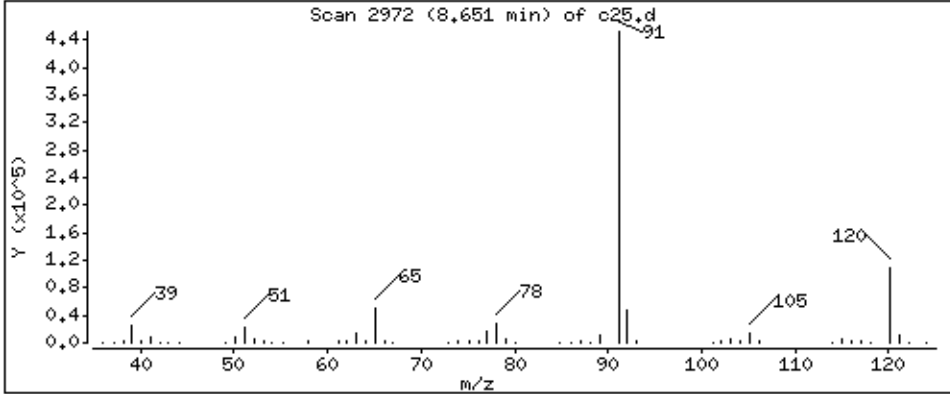
Operator: amv

Column phase: DB-624

Column diameter: 0,18

82 n-Propylbenzene

Concentration: 48,7 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

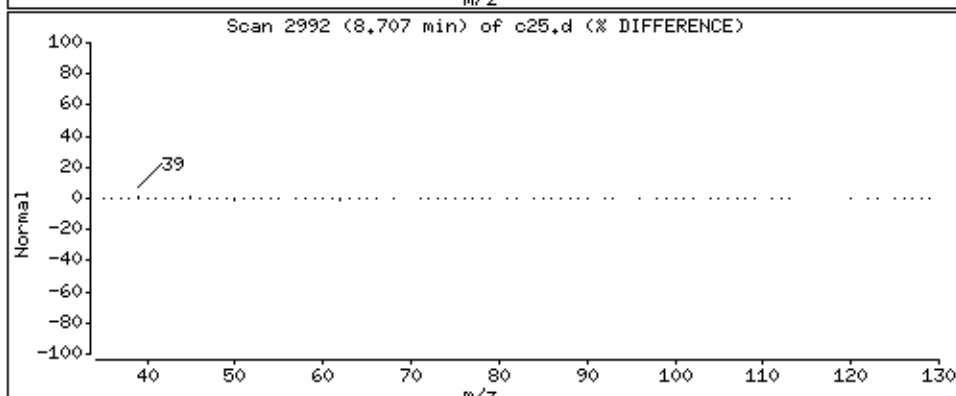
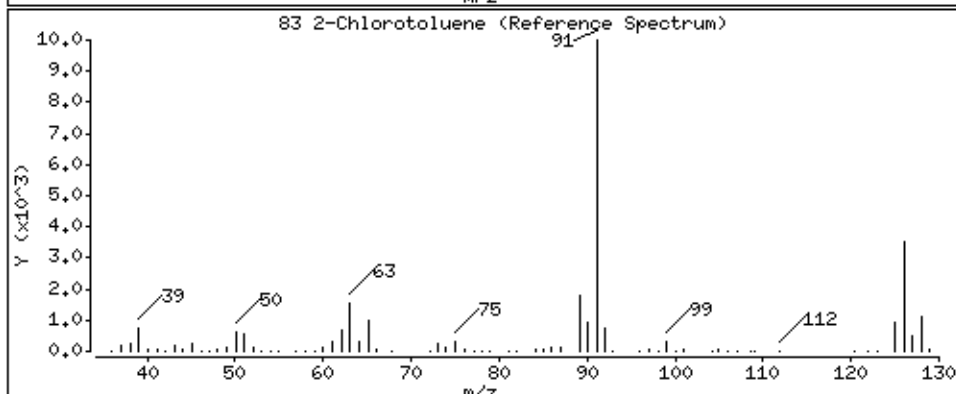
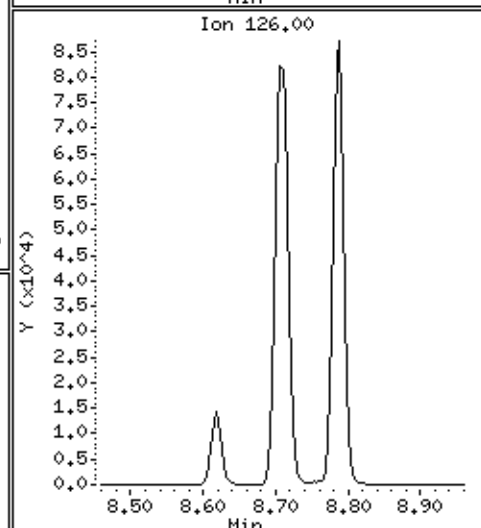
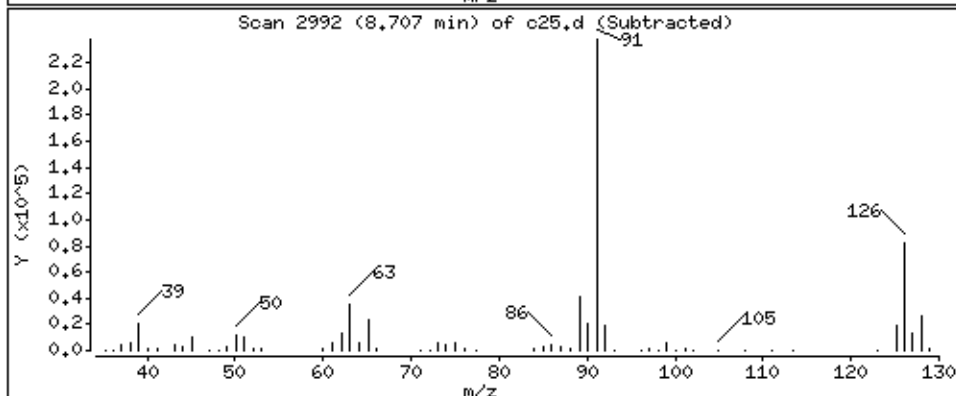
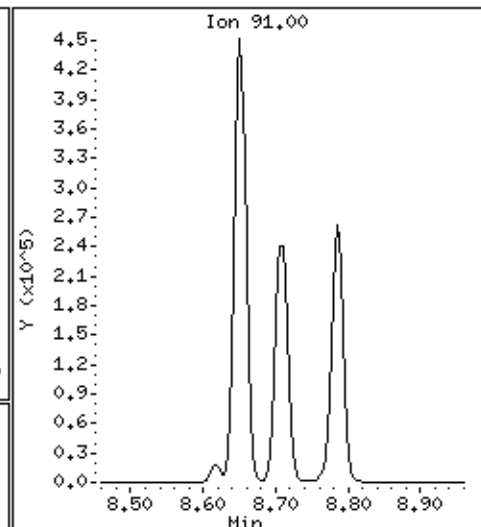
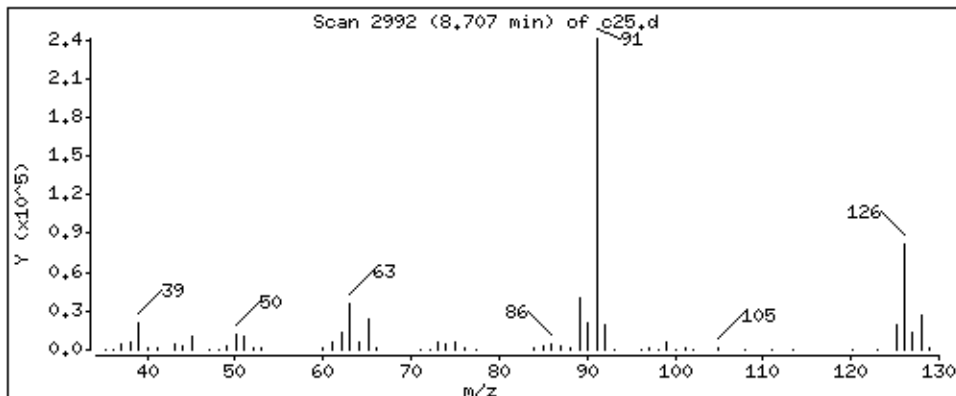
Operator: amv

Column phase: DB-624

Column diameter: 0,18

83 2-Chlorotoluene

Concentration: 49,4 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

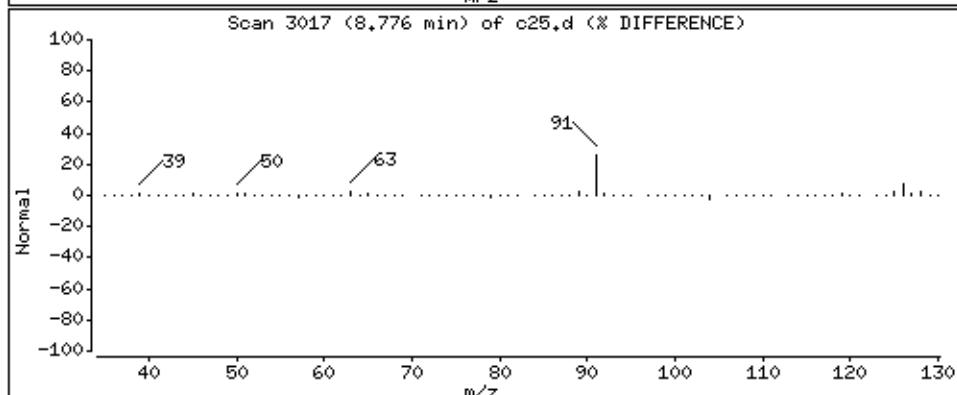
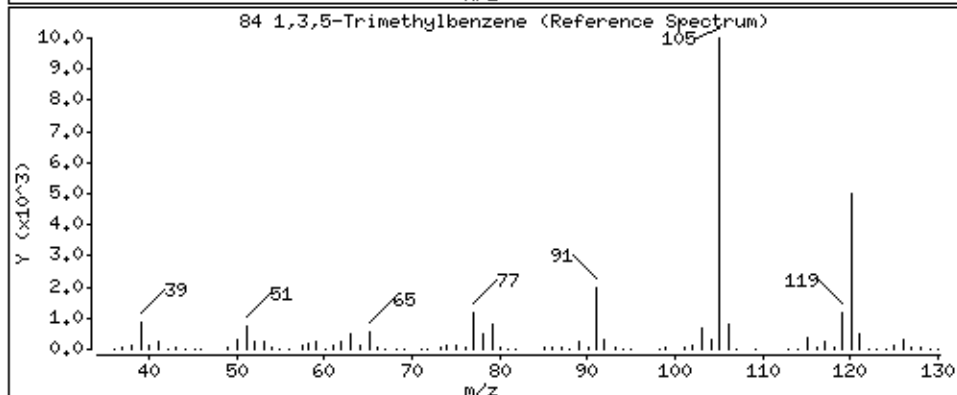
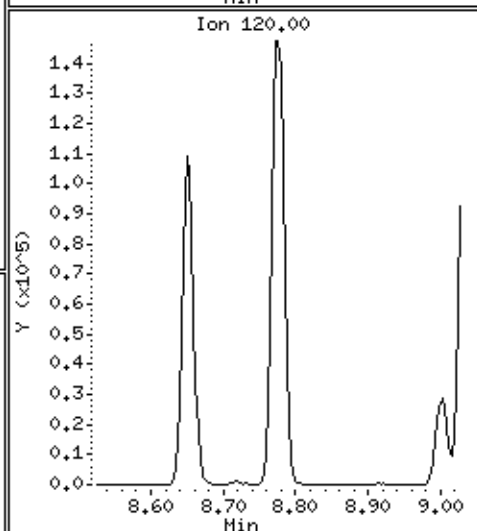
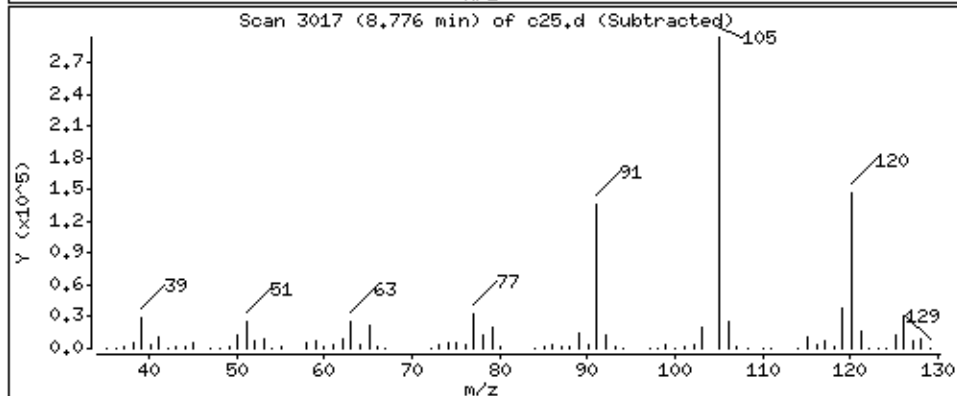
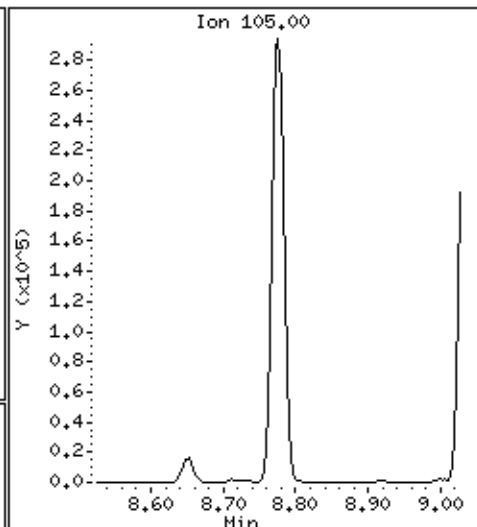
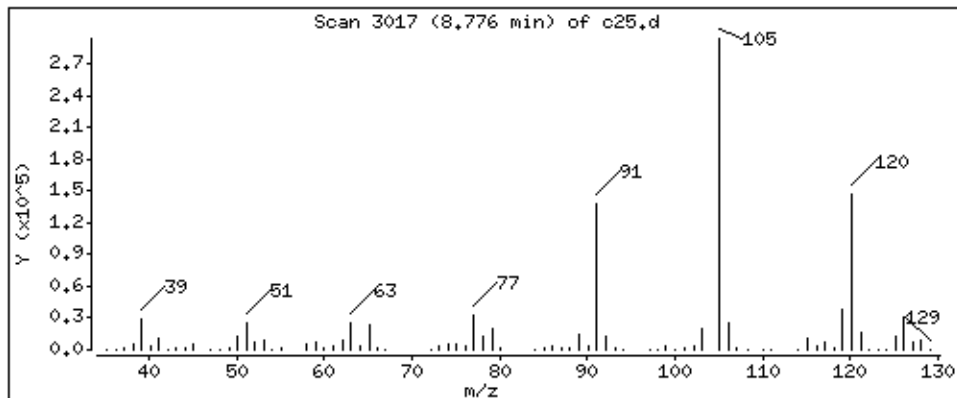
Operator: amv

Column phase: DB-624

Column diameter: 0,18

84 1,3,5-Trimethylbenzene

Concentration: 44,5 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

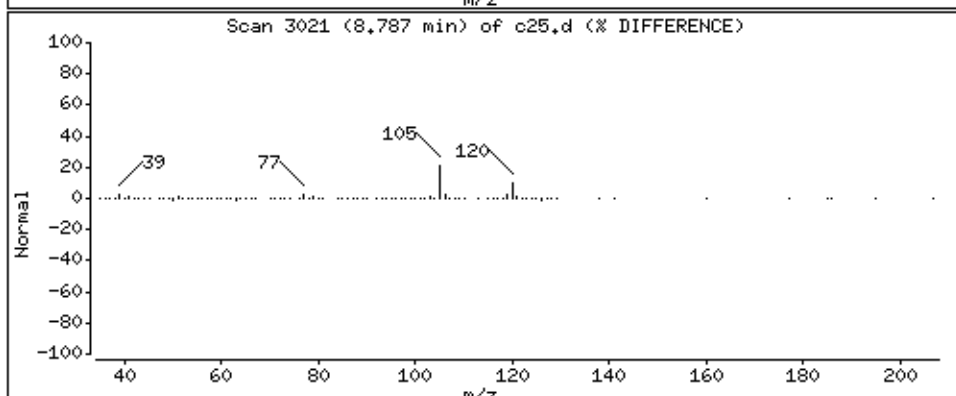
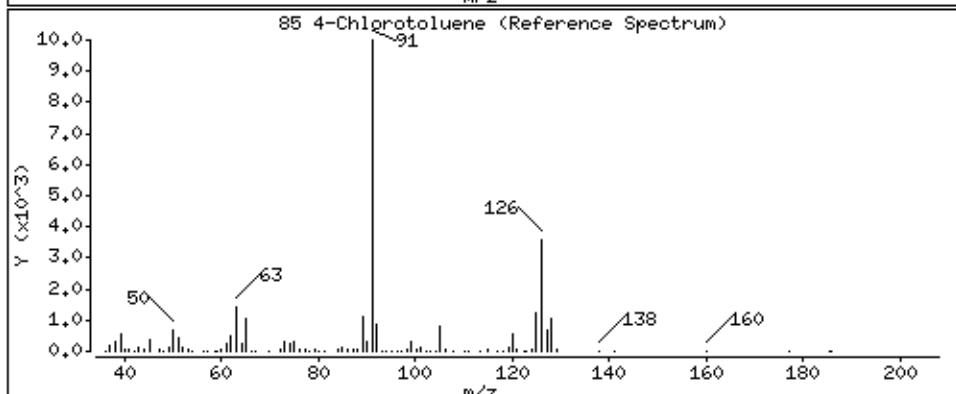
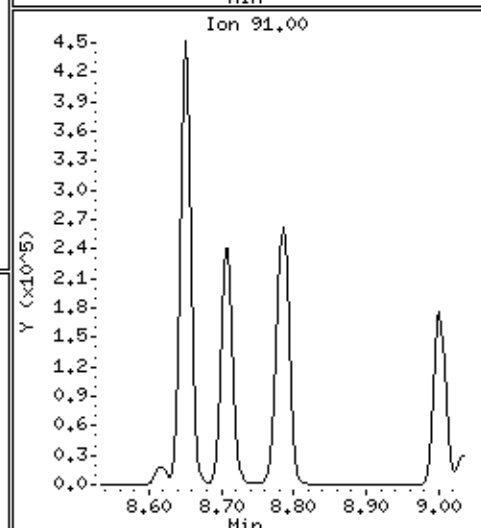
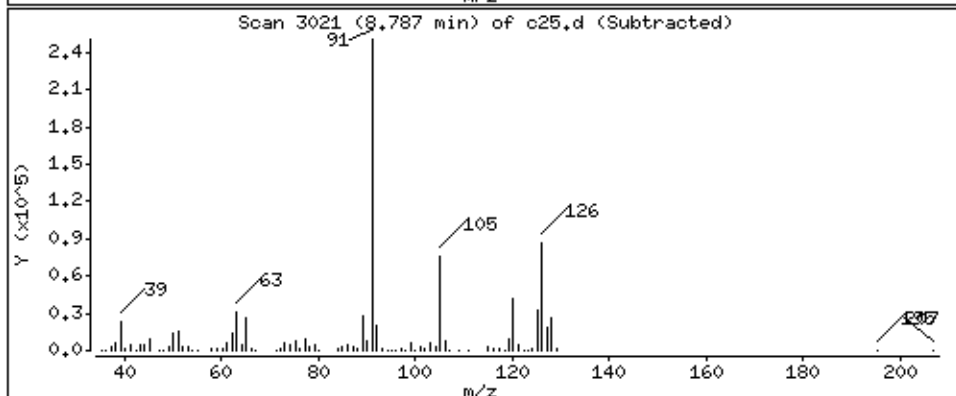
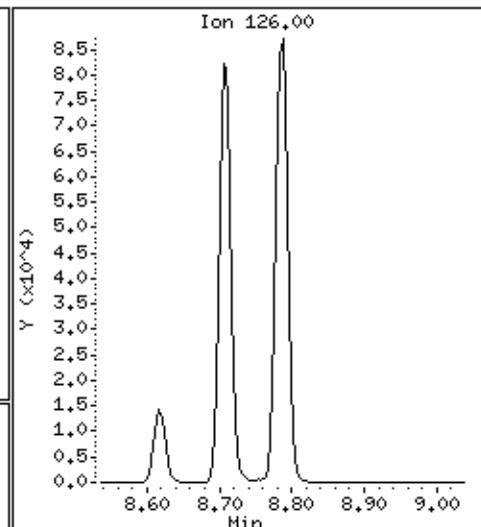
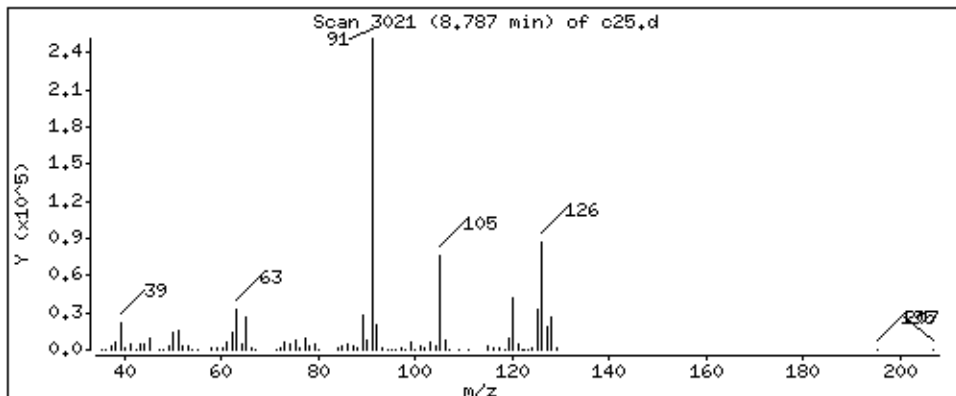
Operator: amv

Column phase: DB-624

Column diameter: 0,18

85 4-Chlorotoluene

Concentration: 48,4 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

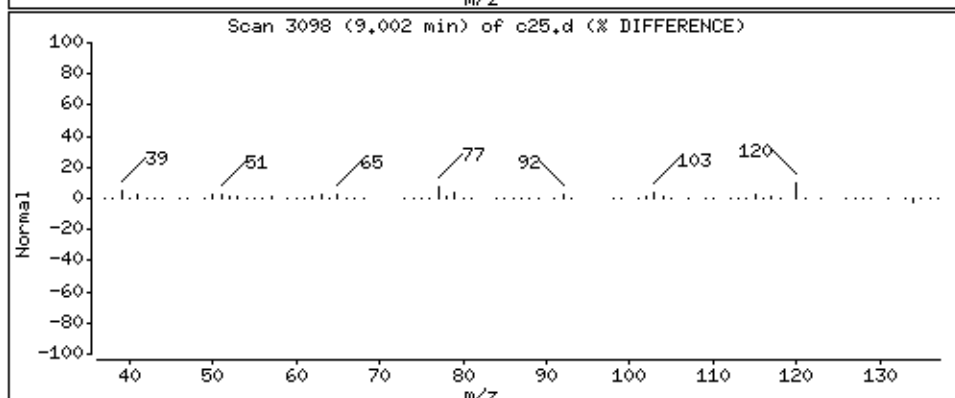
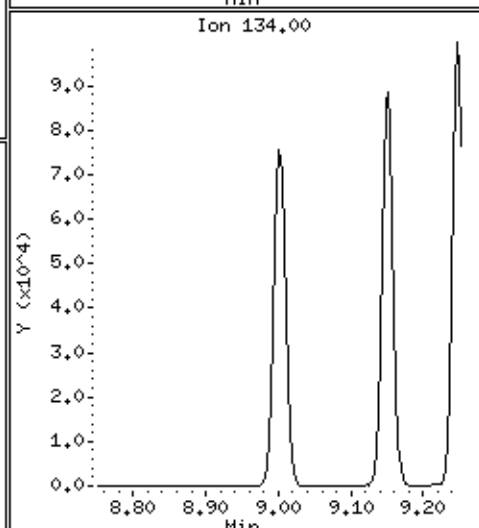
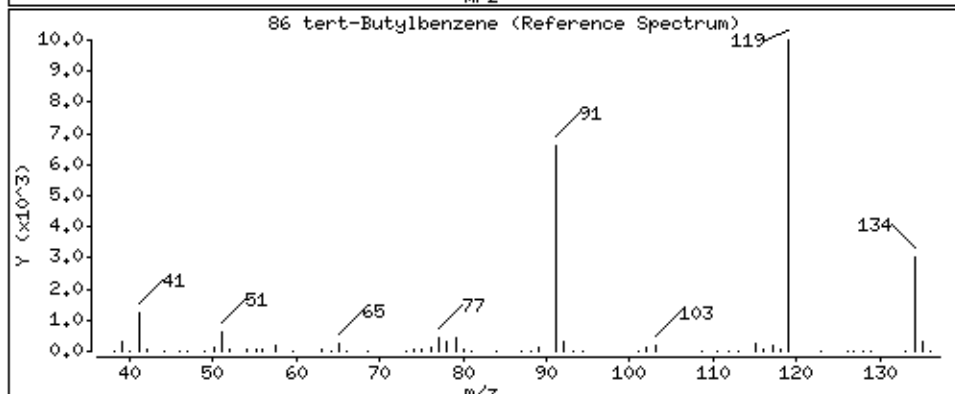
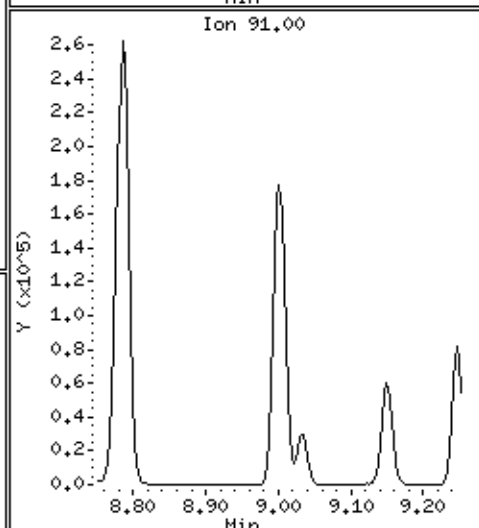
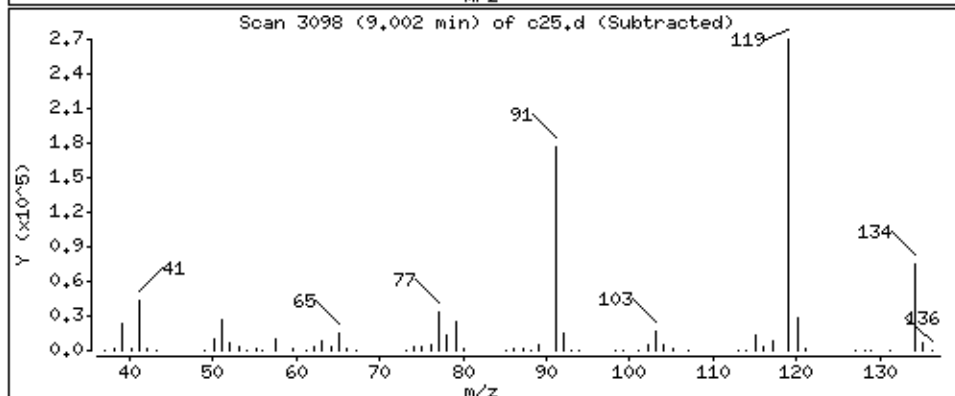
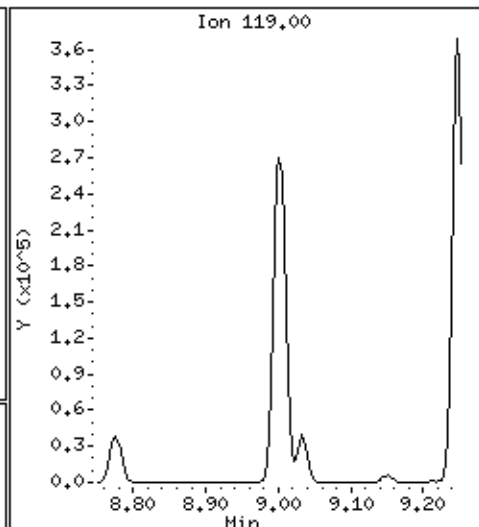
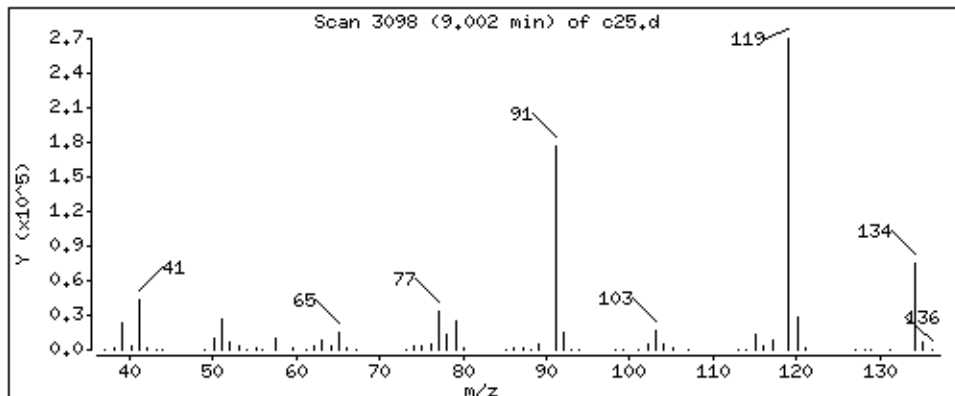
Operator: amv

Column phase: DB-624

Column diameter: 0,18

86 tert-Butylbenzene

Concentration: 41.4 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

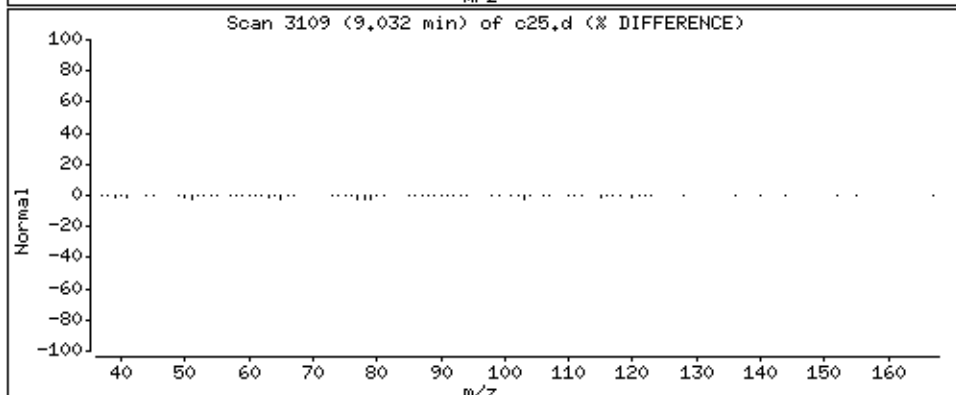
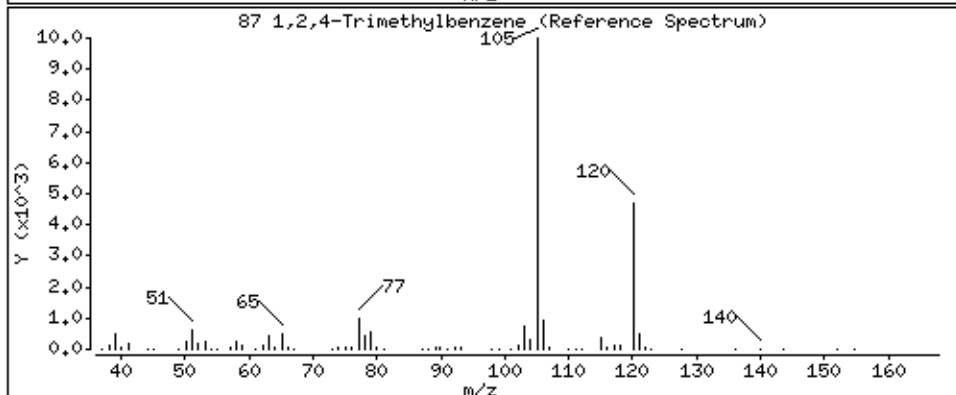
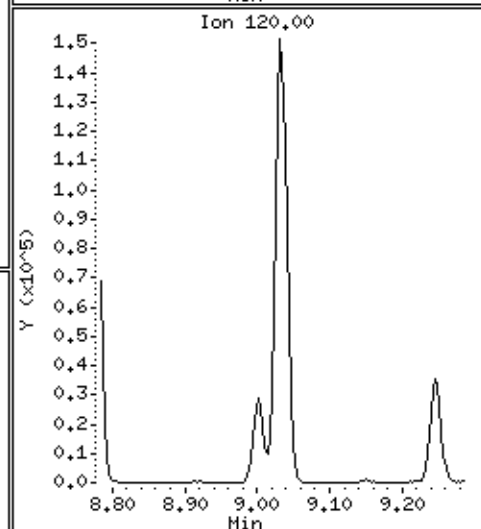
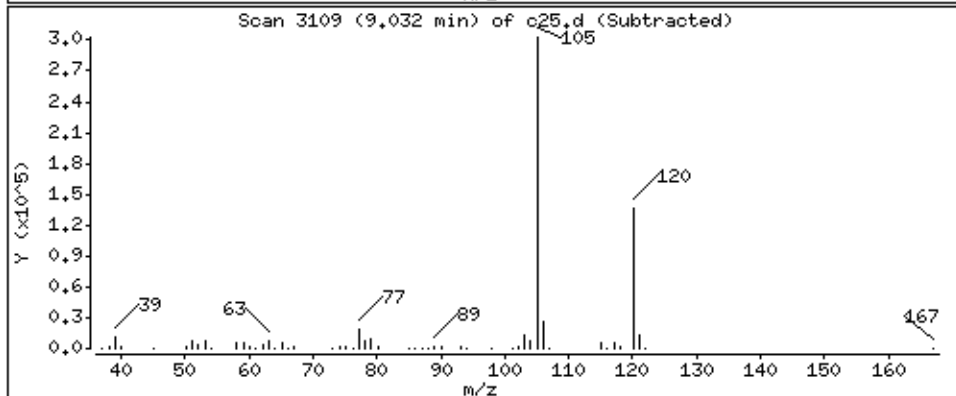
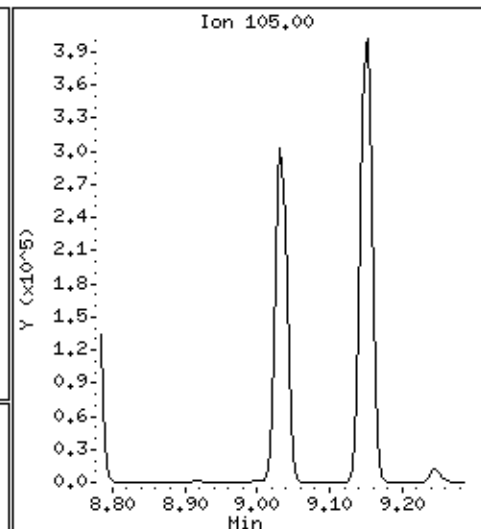
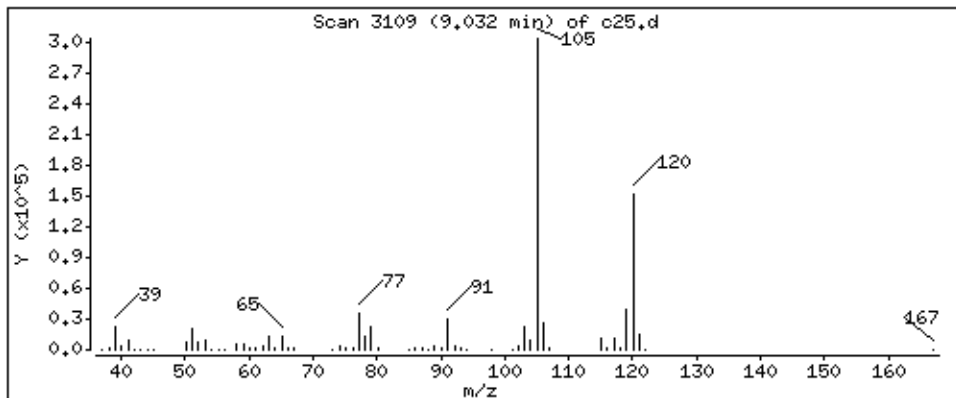
Operator: amv

Column phase: DB-624

Column diameter: 0,18

87 1,2,4-Trimethylbenzene

Concentration: 45,3 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

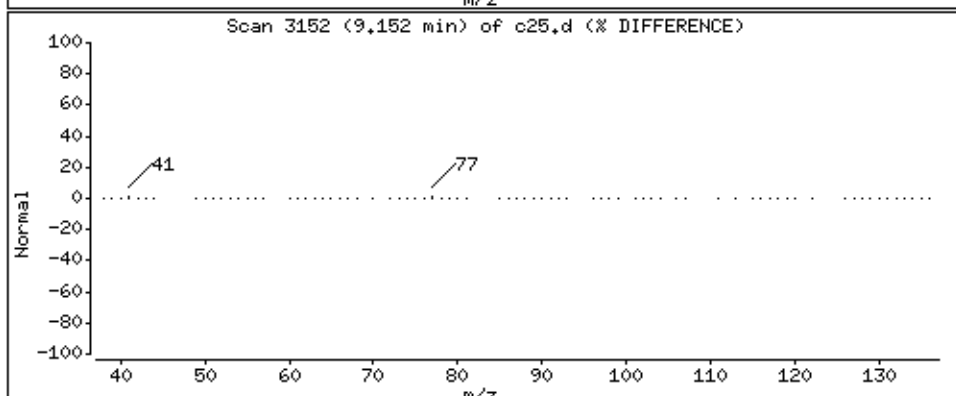
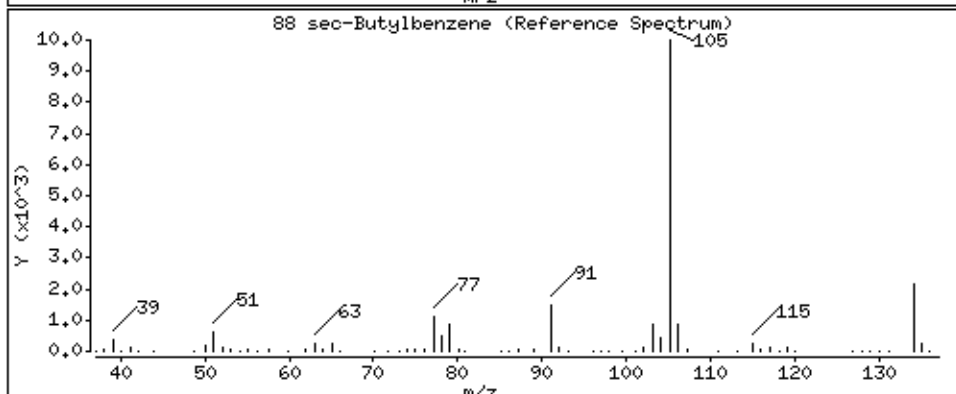
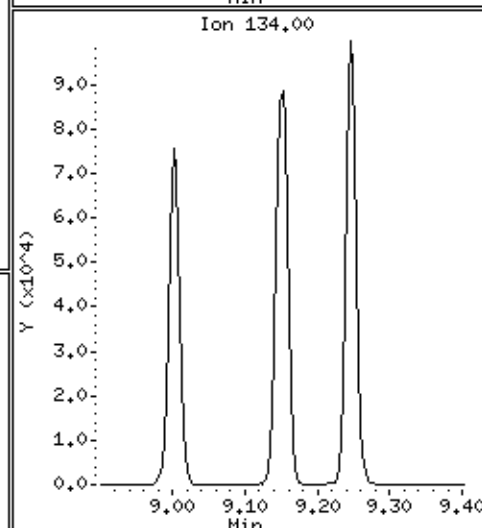
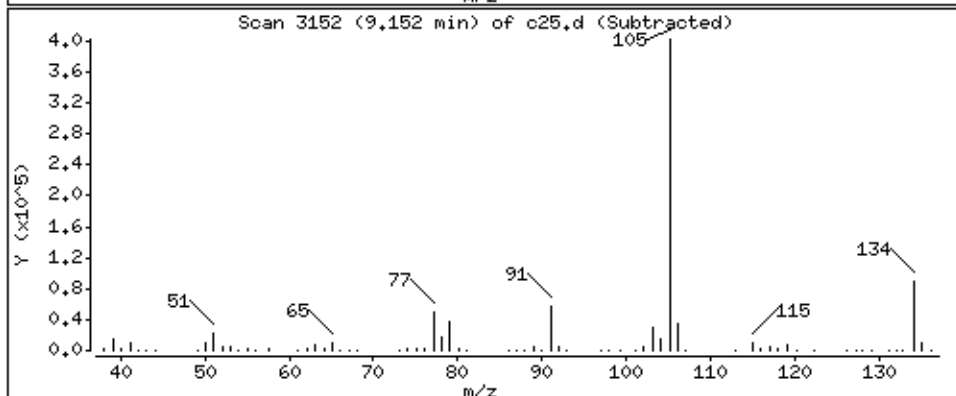
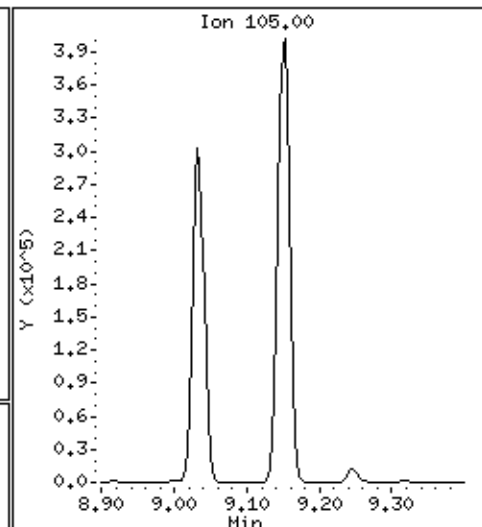
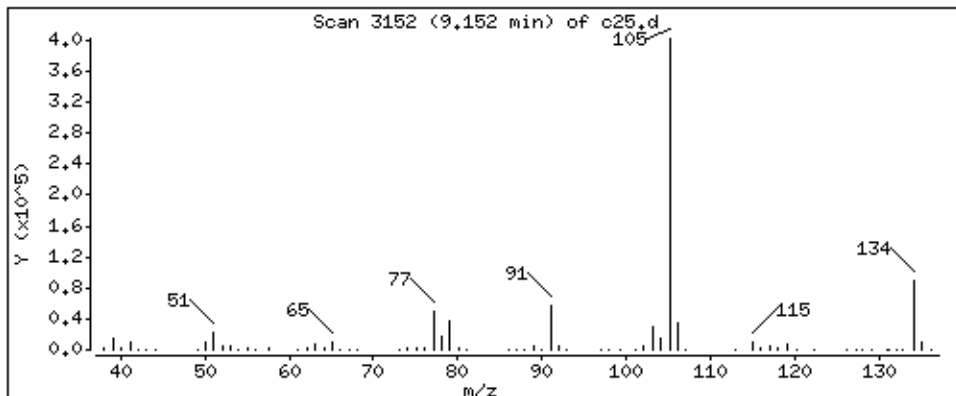
Operator: amv

Column phase: DB-624

Column diameter: 0,18

88 sec-Butylbenzene

Concentration: 47,5 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

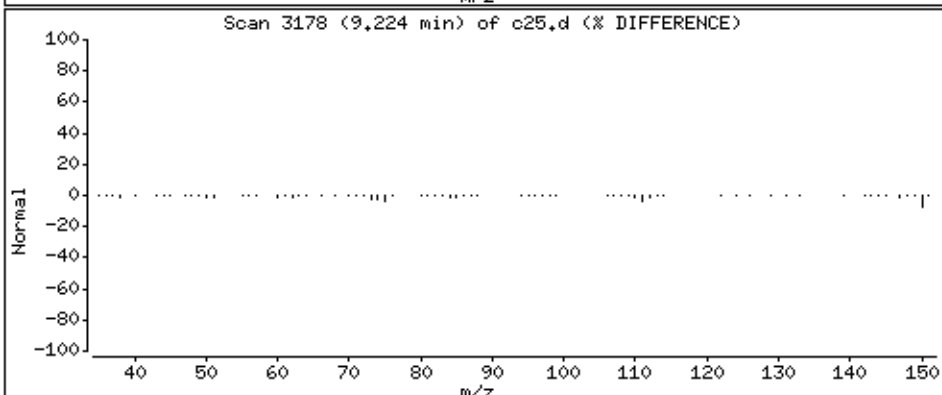
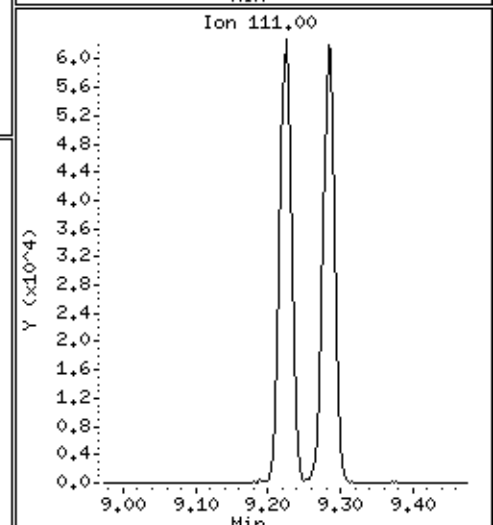
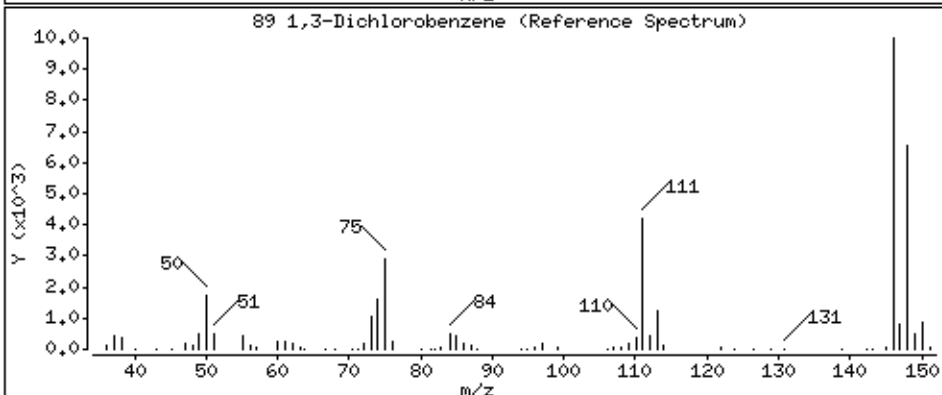
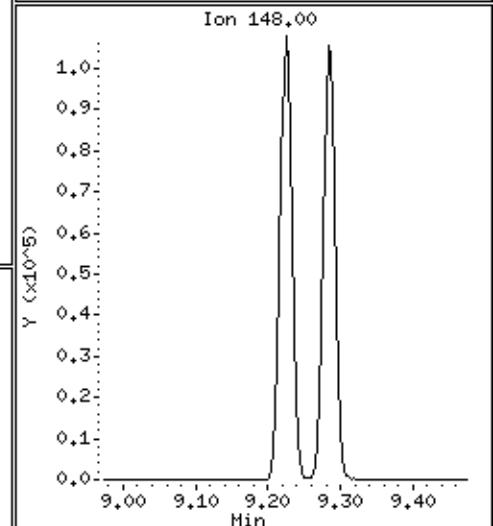
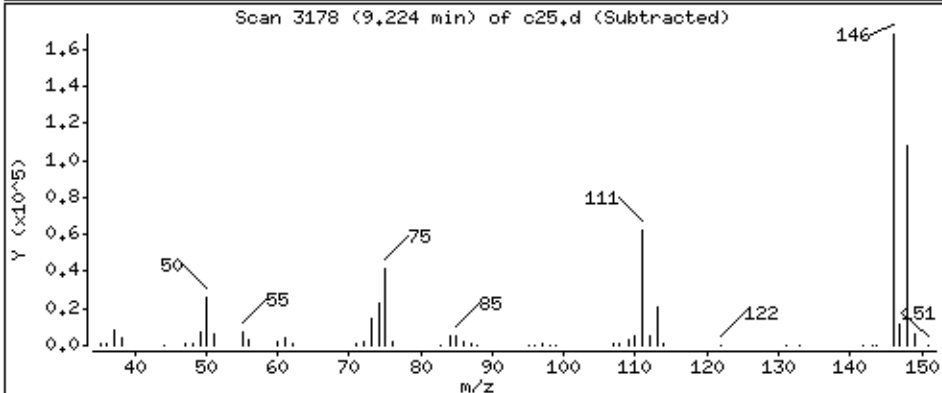
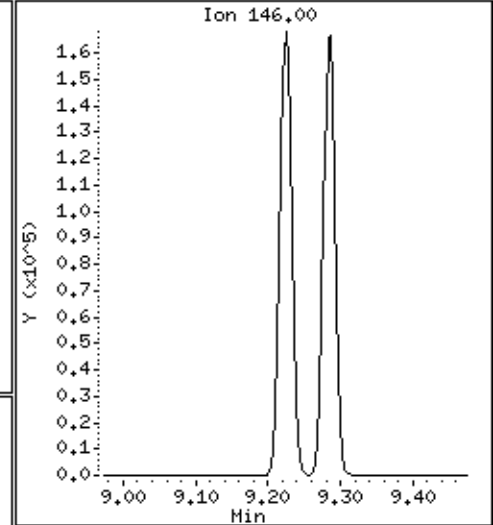
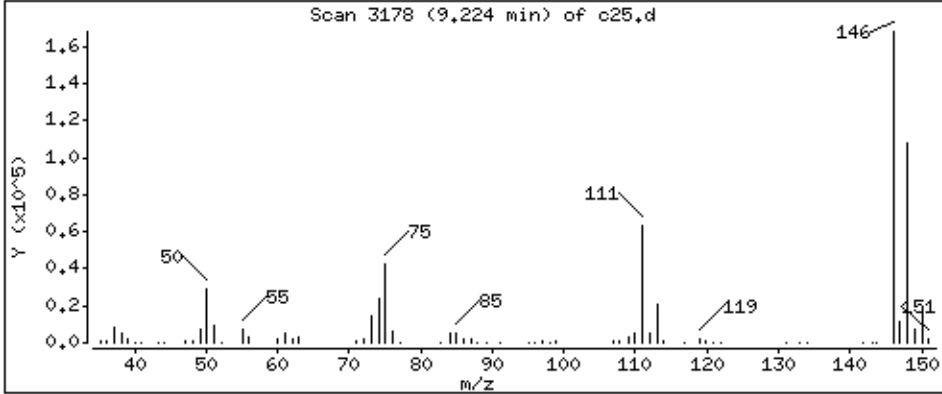
Operator: amv

Column phase: DB-624

Column diameter: 0.18

89 1,3-Dichlorobenzene

Concentration: 47.3 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

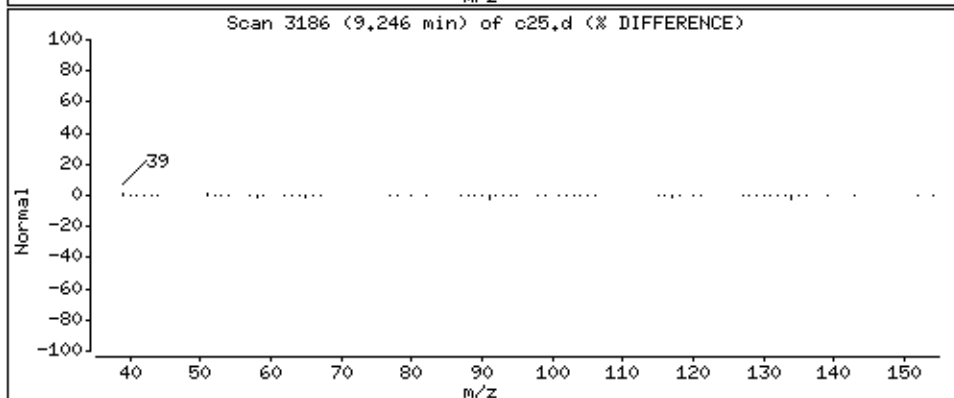
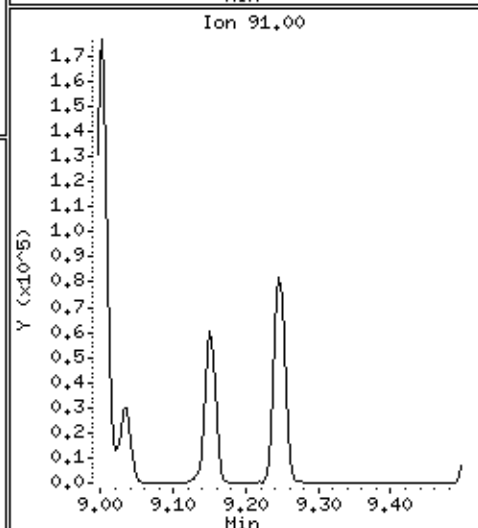
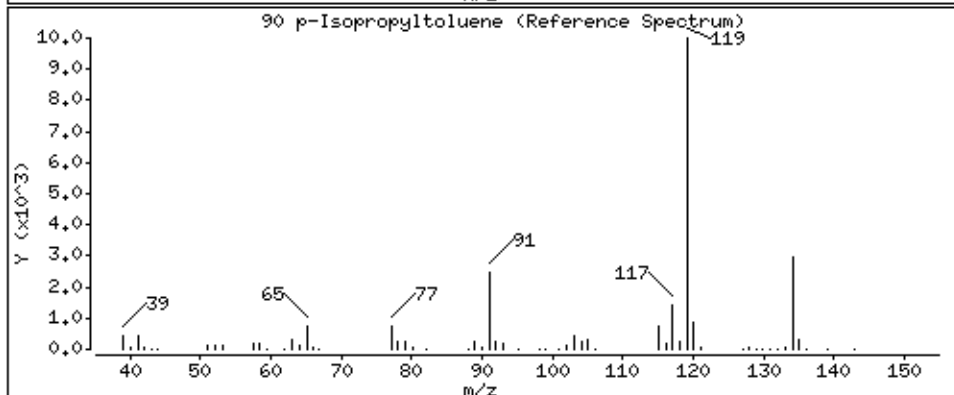
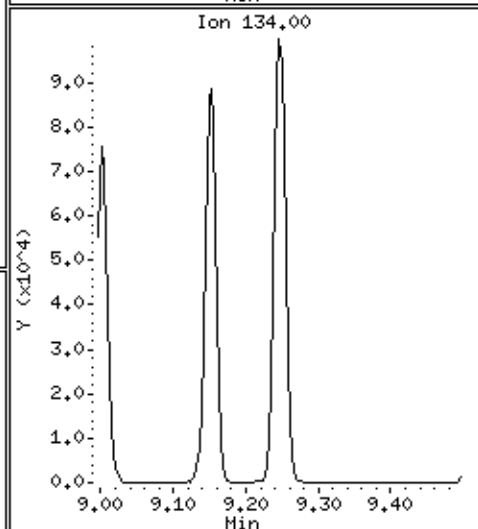
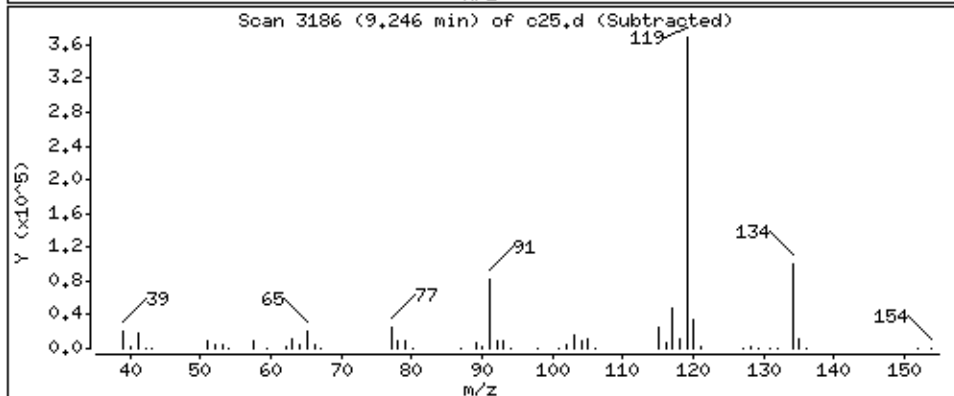
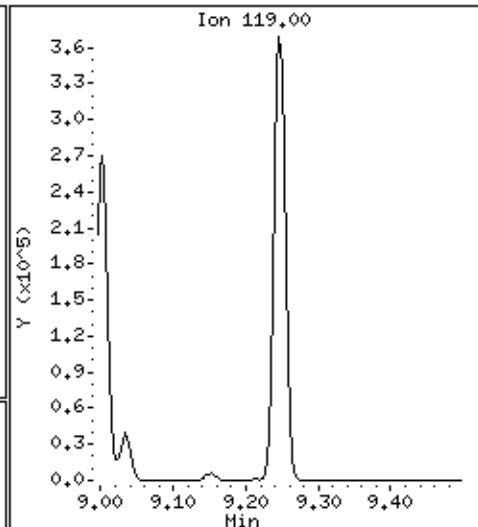
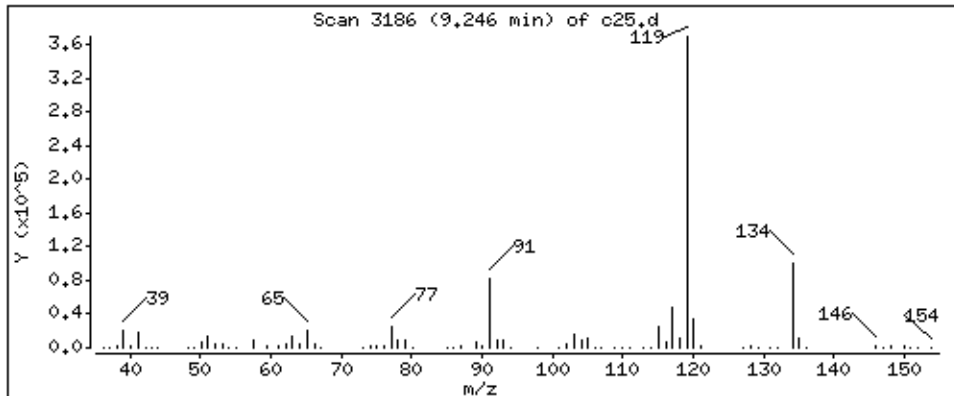
Operator: amv

Column phase: DB-624

Column diameter: 0.18

90 p-Isopropyltoluene

Concentration: 48.8 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

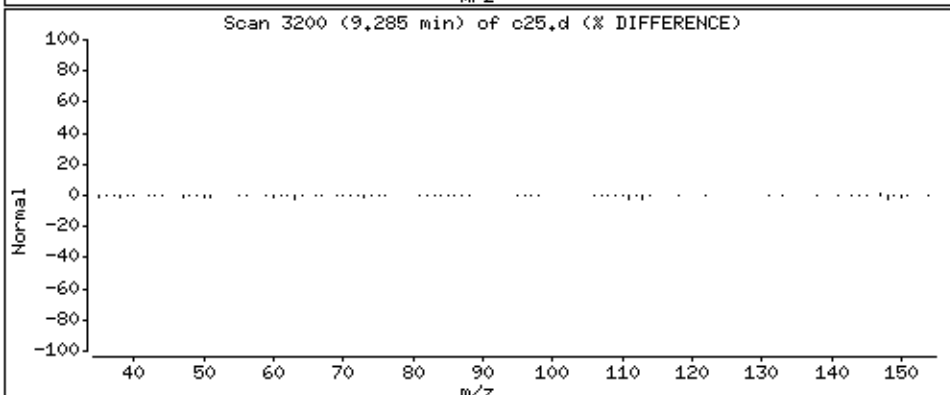
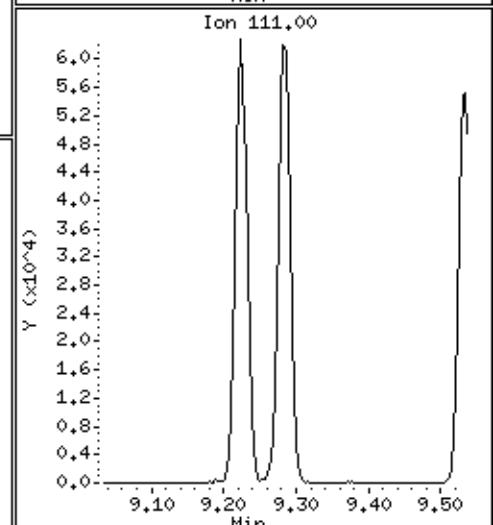
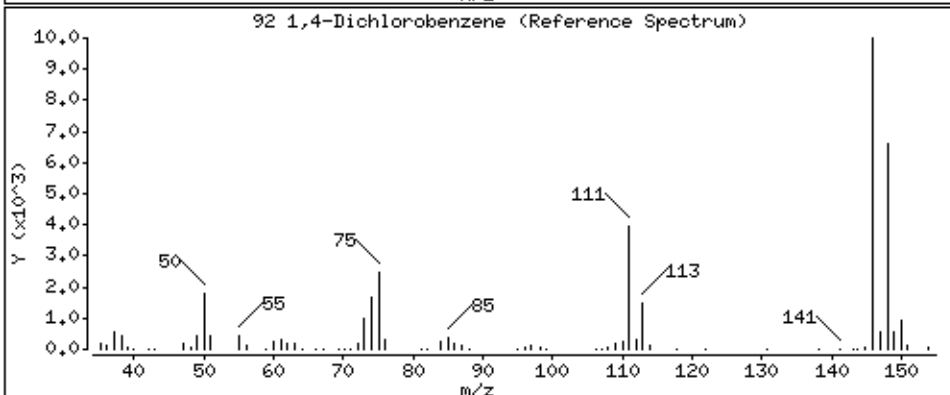
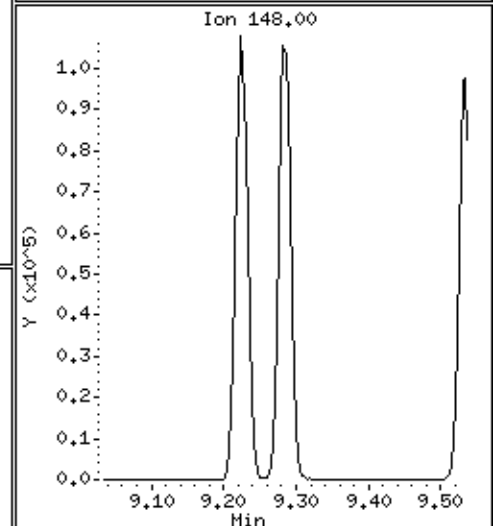
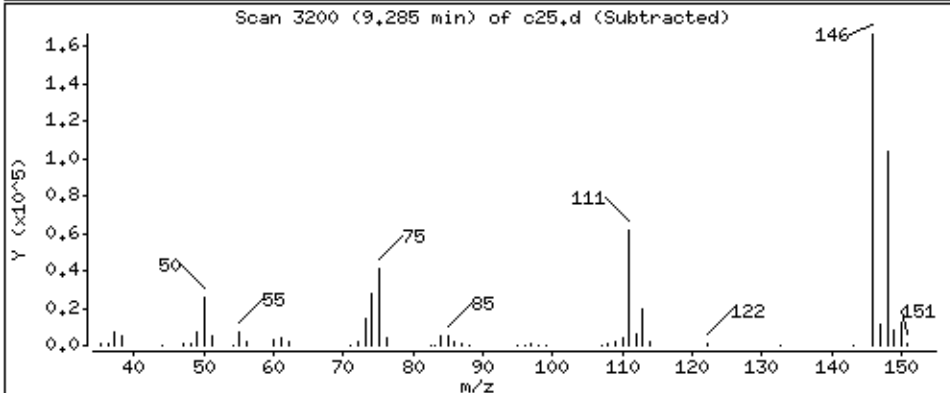
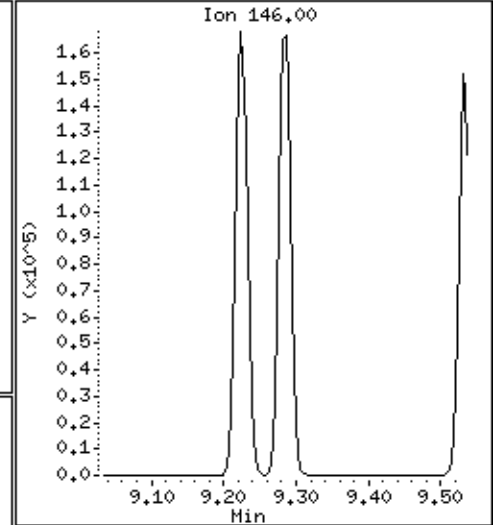
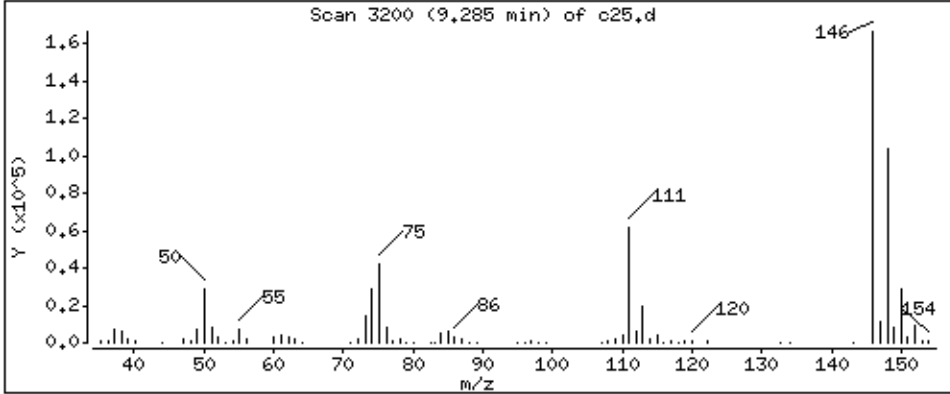
Operator: amv

Column phase: DB-624

Column diameter: 0,18

92 1,4-Dichlorobenzene

Concentration: 46,3 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

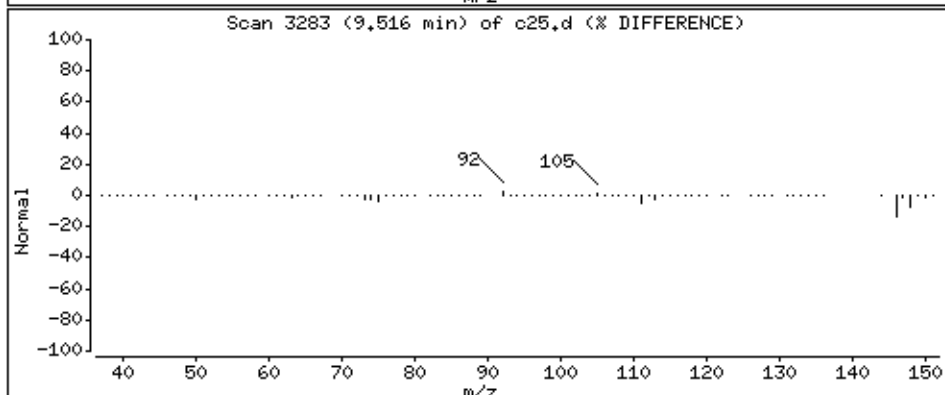
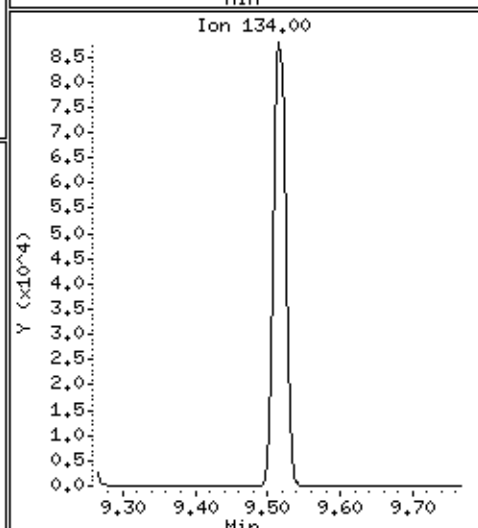
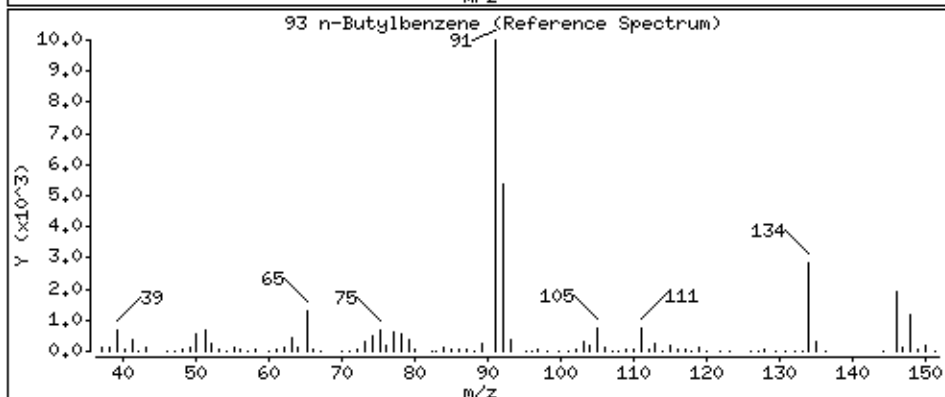
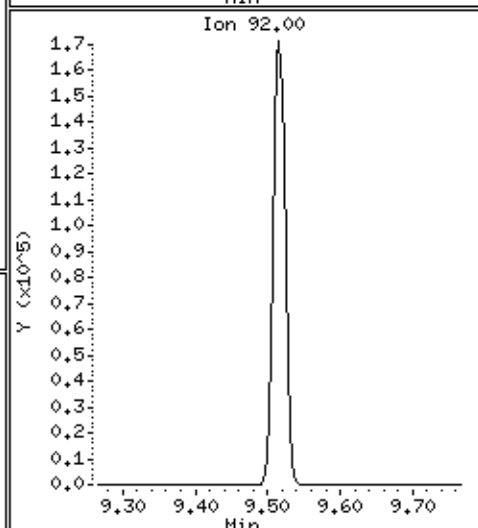
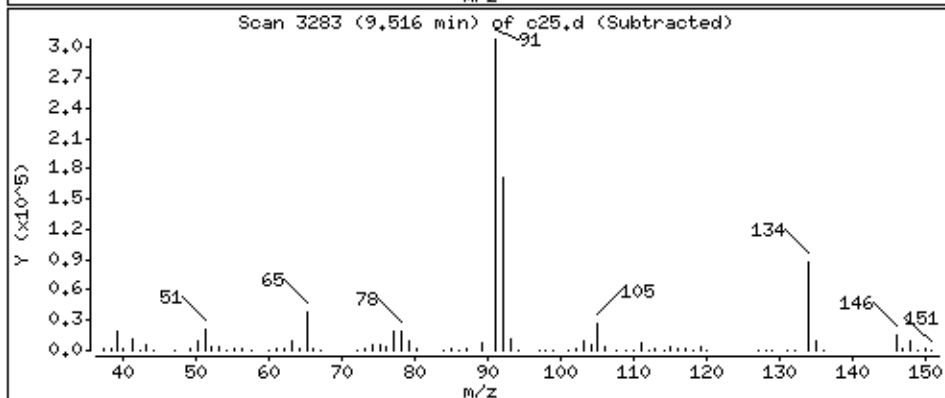
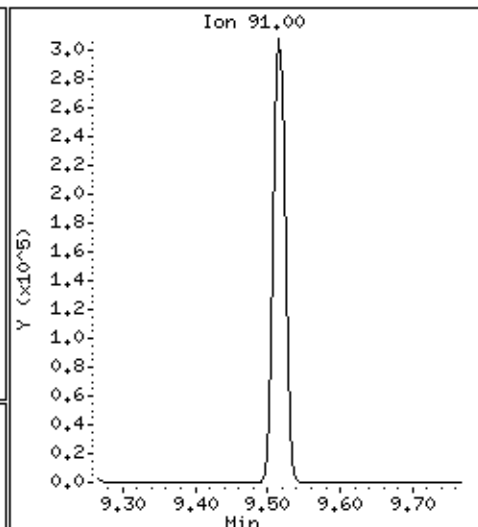
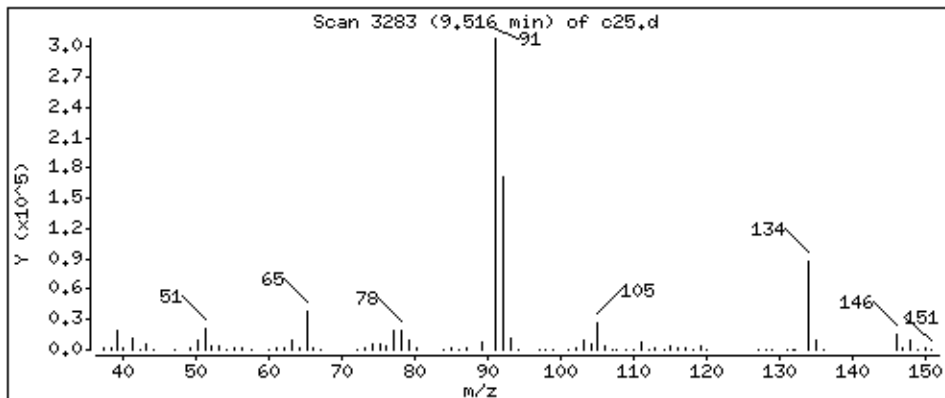
Operator: amv

Column phase: DB-624

Column diameter: 0,18

93 n-Butylbenzene

Concentration: 45,6 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

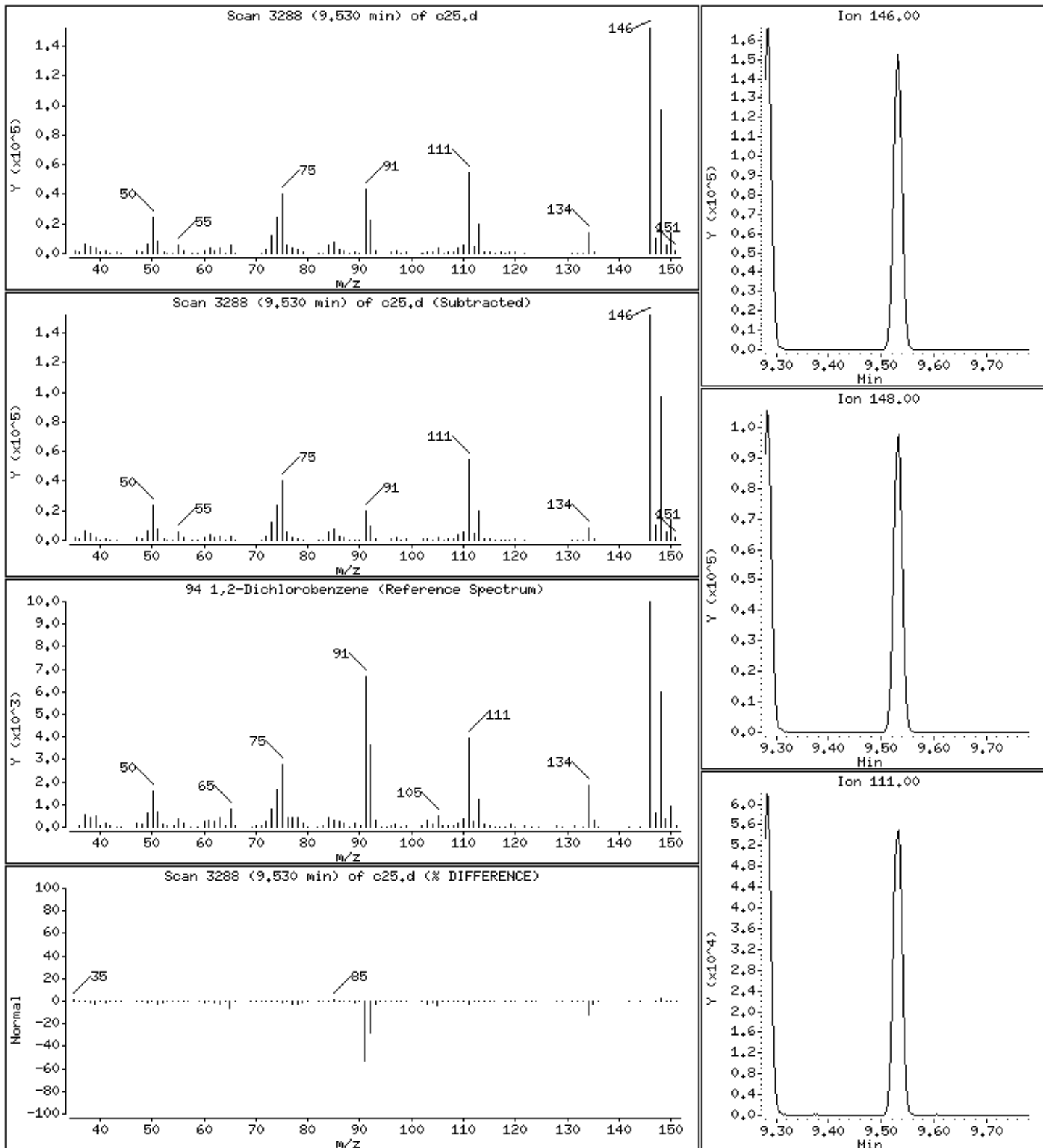
Operator: amv

Column phase: DB-624

Column diameter: 0,18

94 1,2-Dichlorobenzene

Concentration: 47.0 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

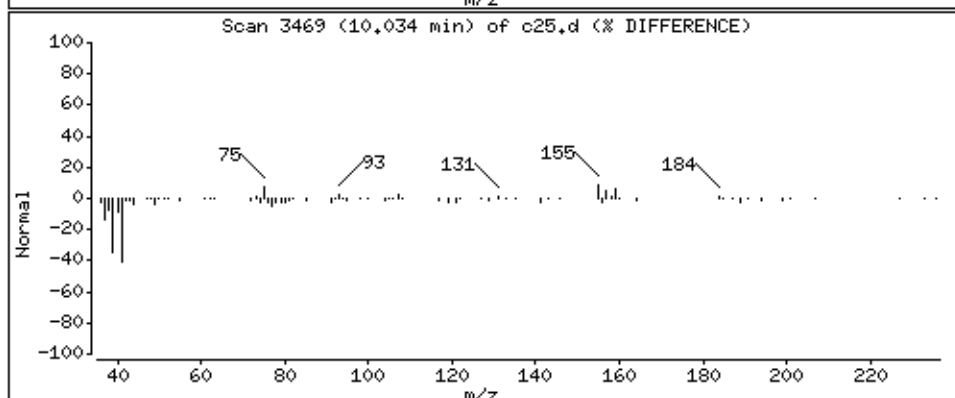
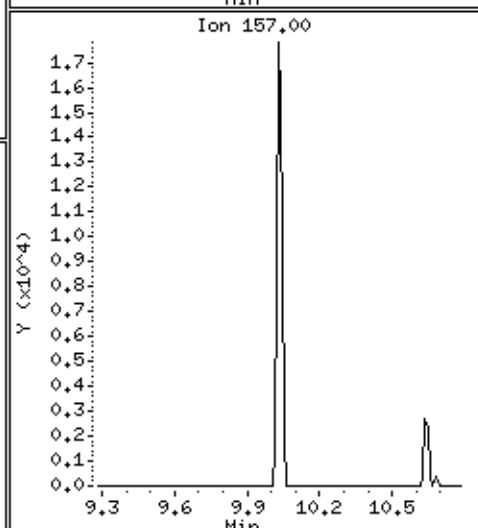
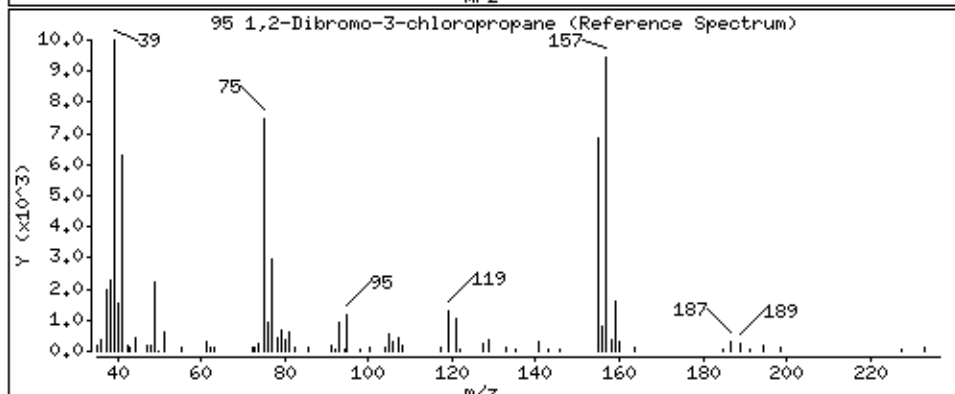
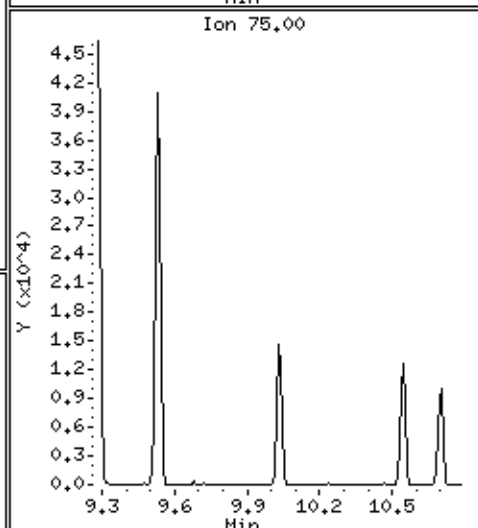
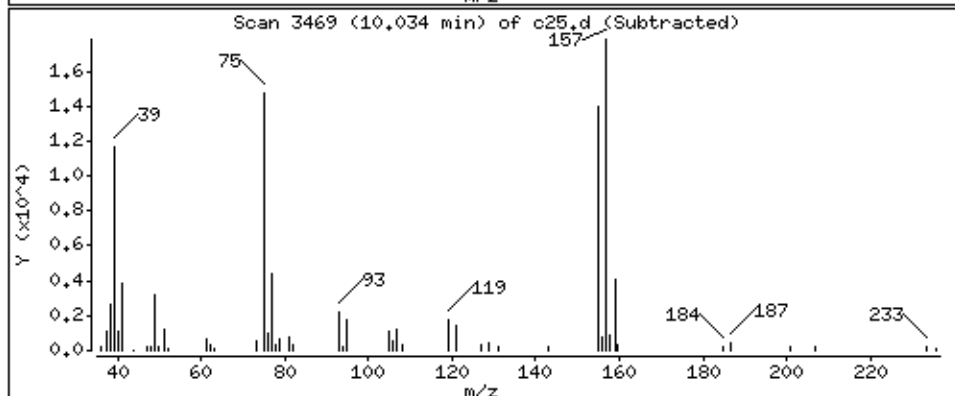
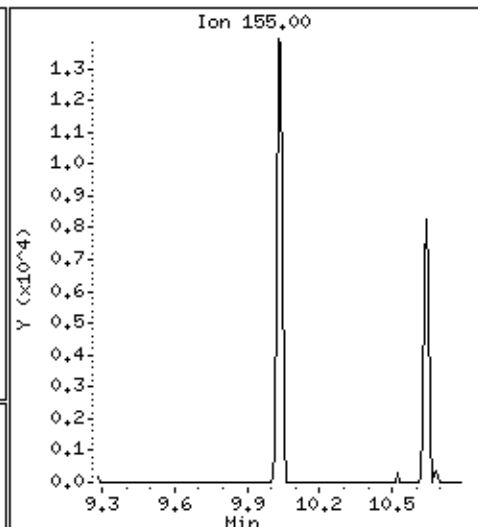
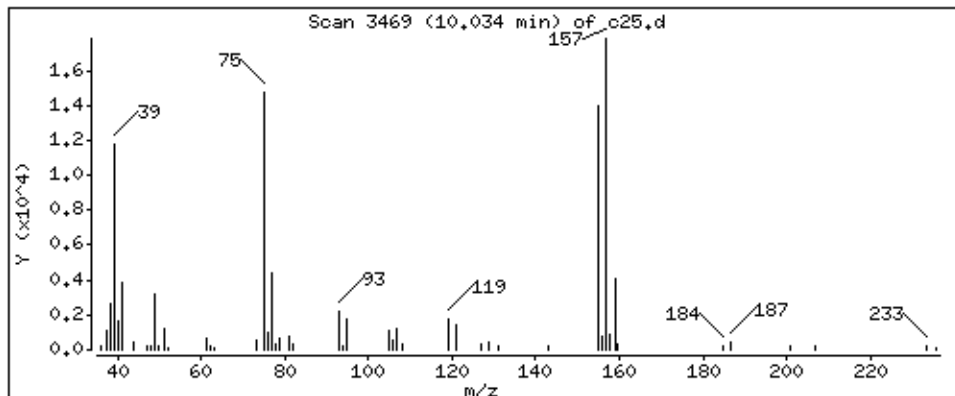
Operator: amv

Column phase: DB-624

Column diameter: 0,18

95 1,2-Dibromo-3-chloropropane

Concentration: 45,2 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

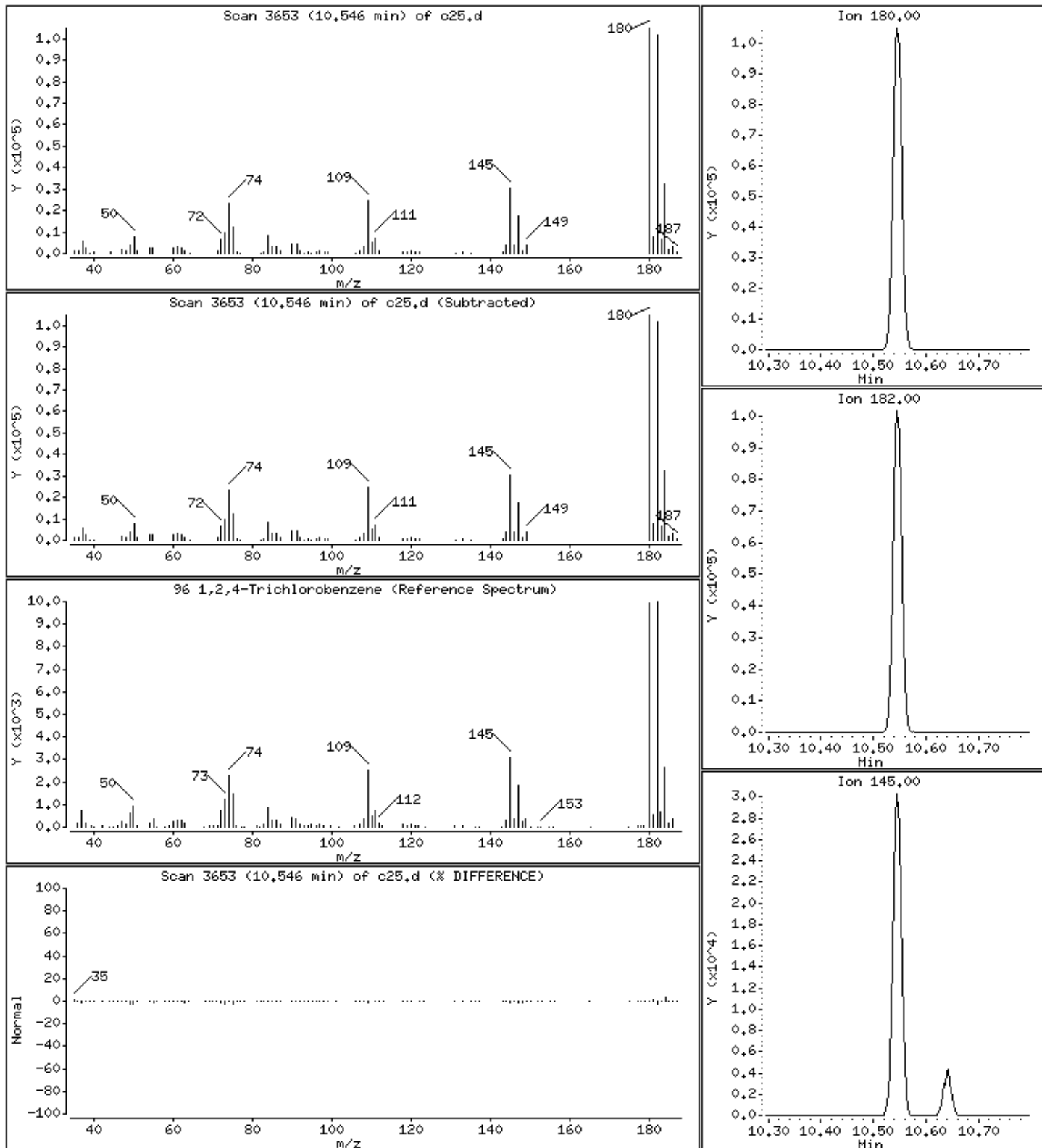
Operator: amv

Column phase: DB-624

Column diameter: 0,18

96 1,2,4-Trichlorobenzene

Concentration: 45,9 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

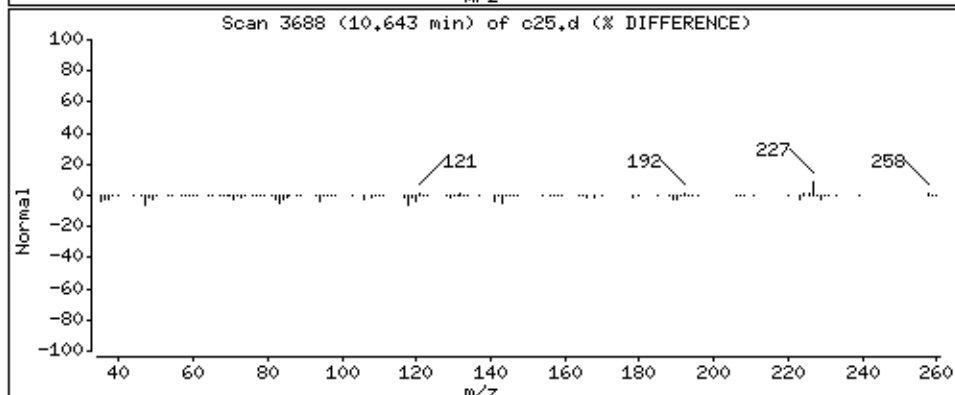
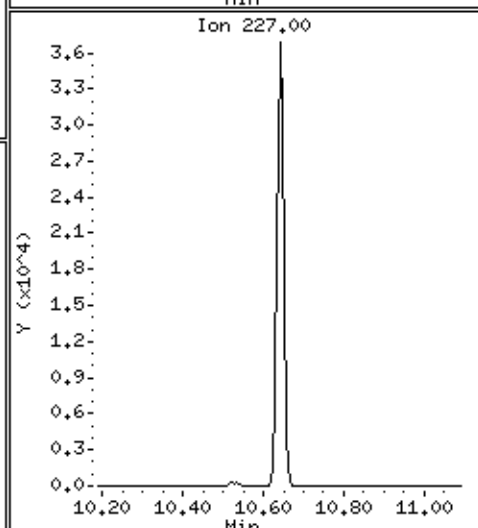
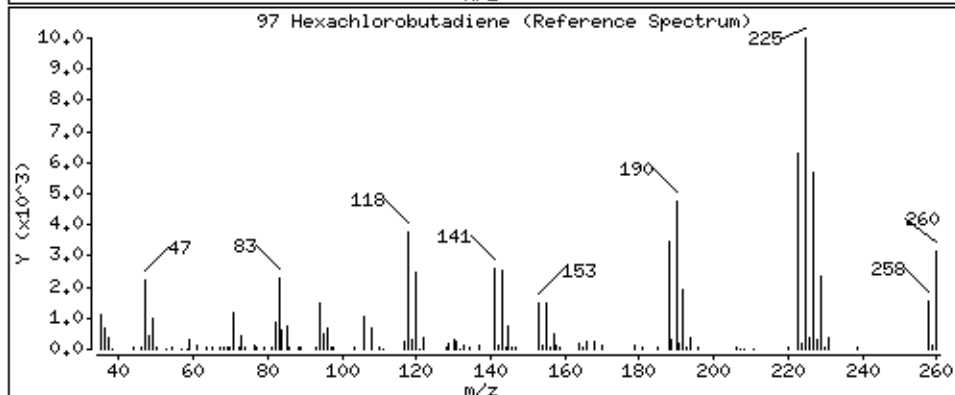
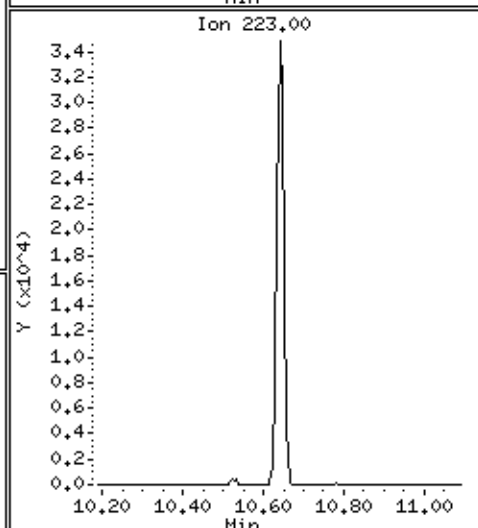
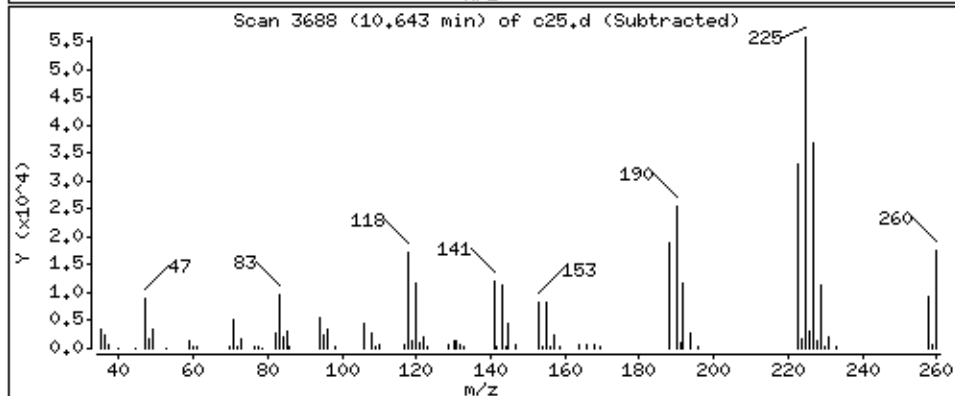
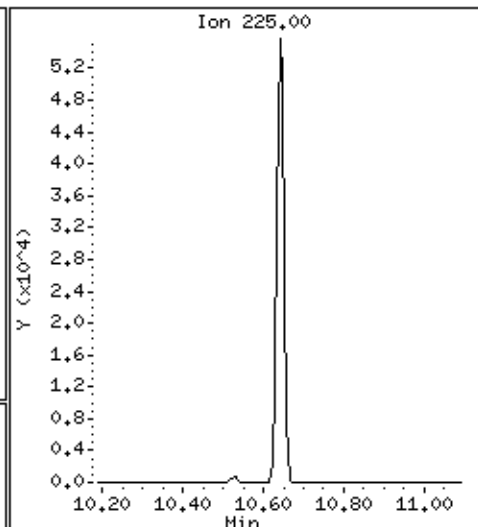
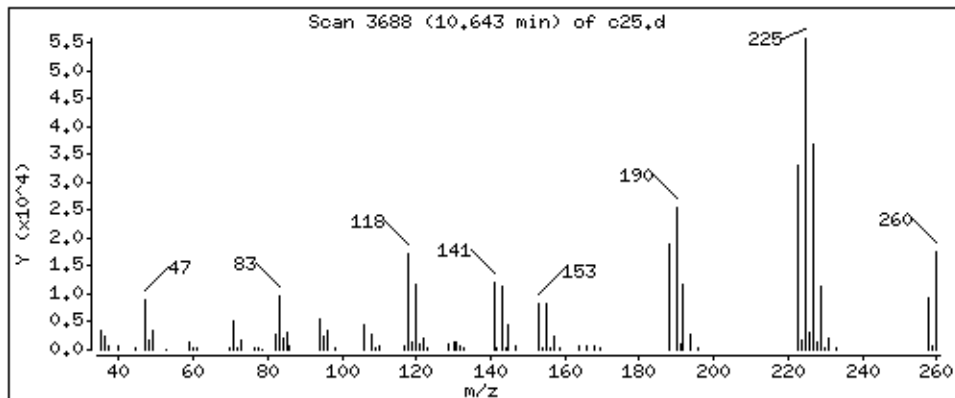
Operator: amv

Column phase: DB-624

Column diameter: 0,18

97 Hexachlorobutadiene

Concentration: 48,0 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

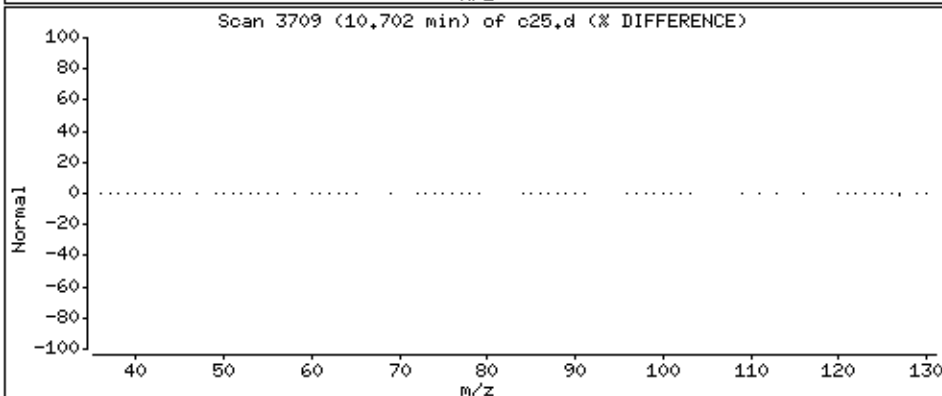
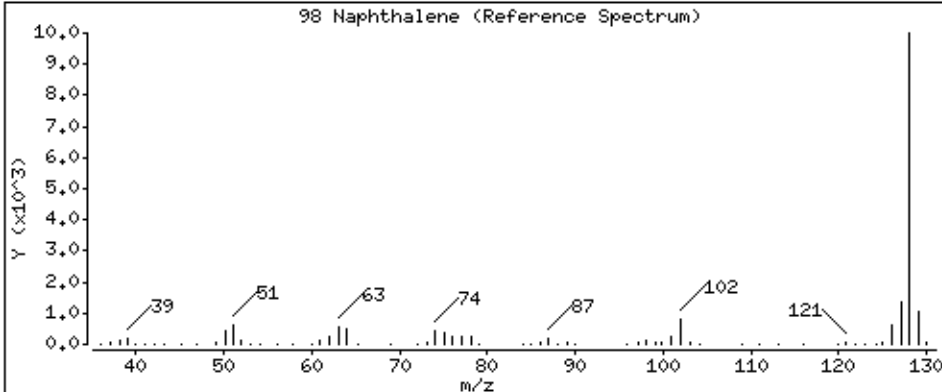
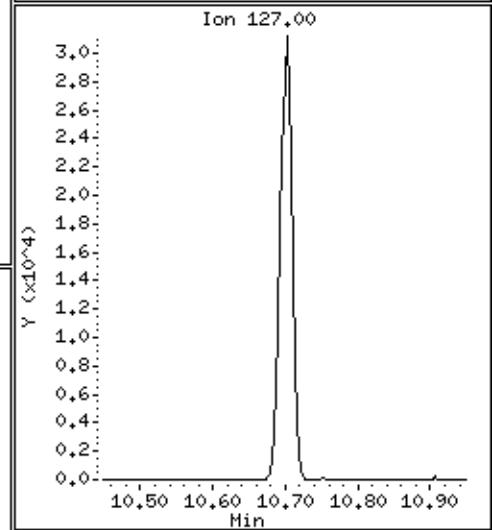
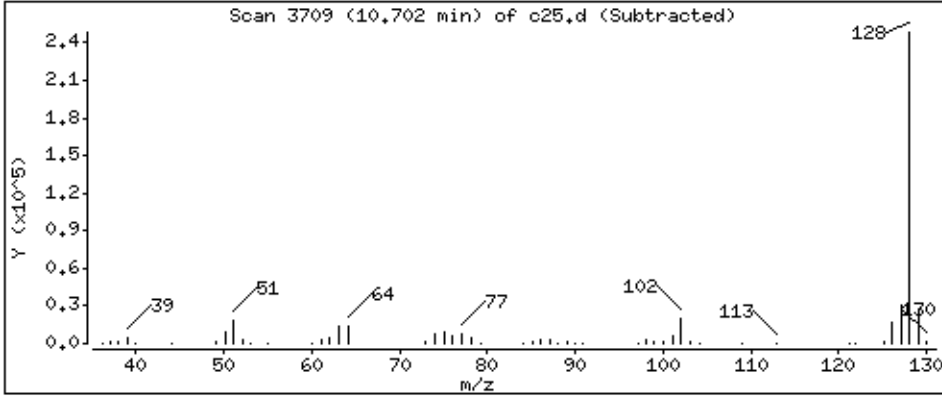
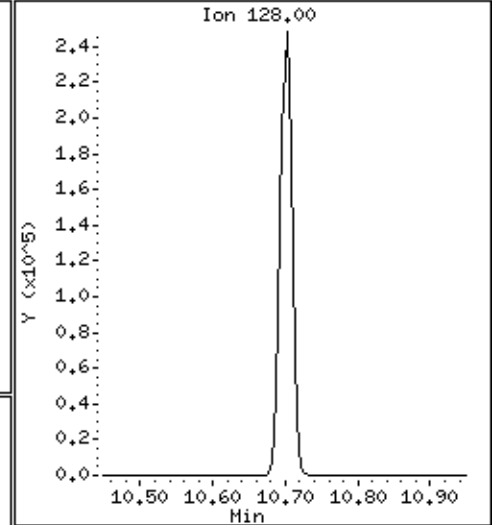
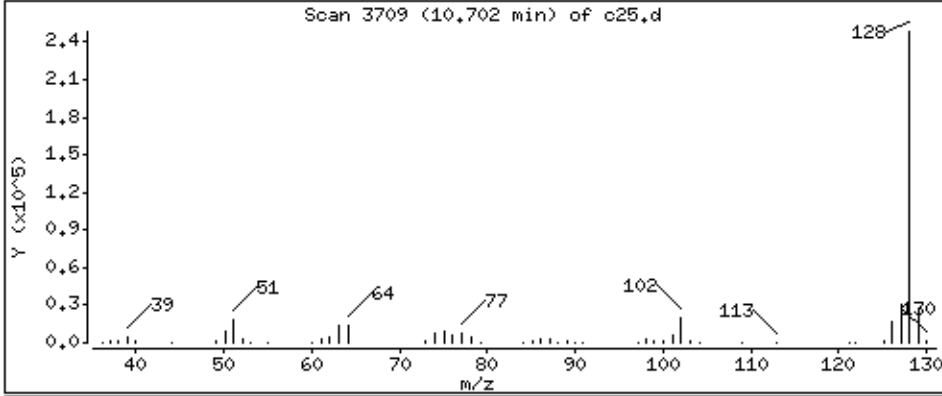
Operator: amv

Column phase: DB-624

Column diameter: 0,18

98 Naphthalene

Concentration: 47.2 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

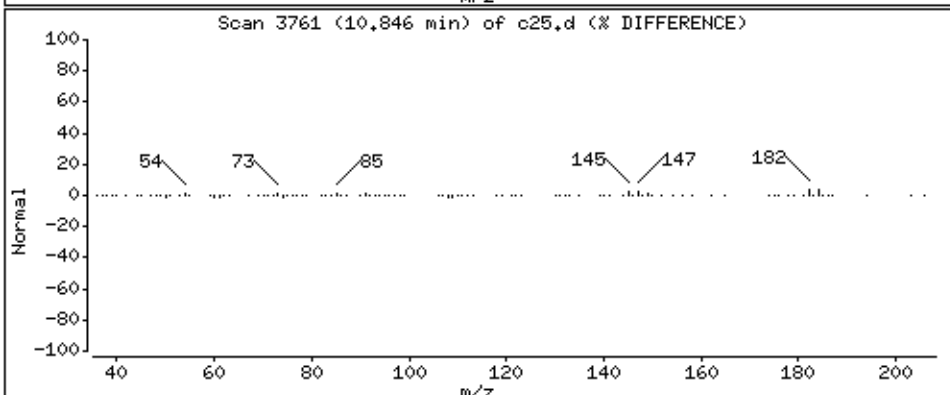
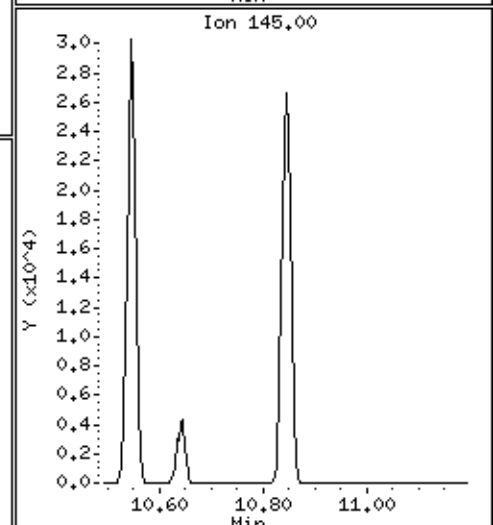
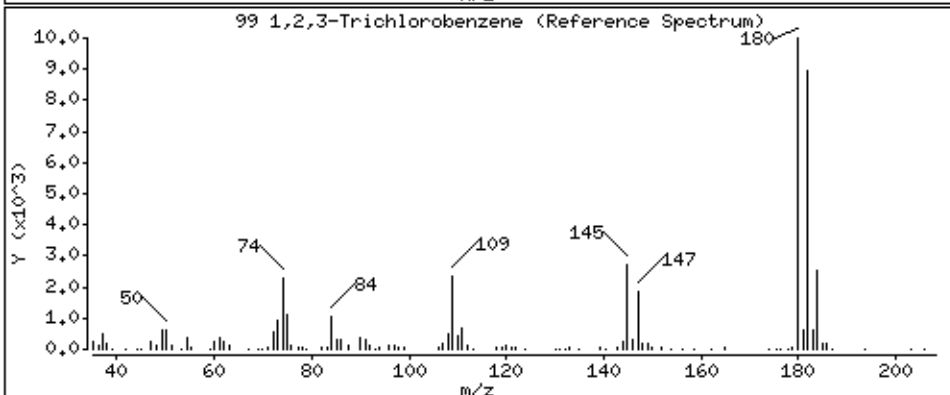
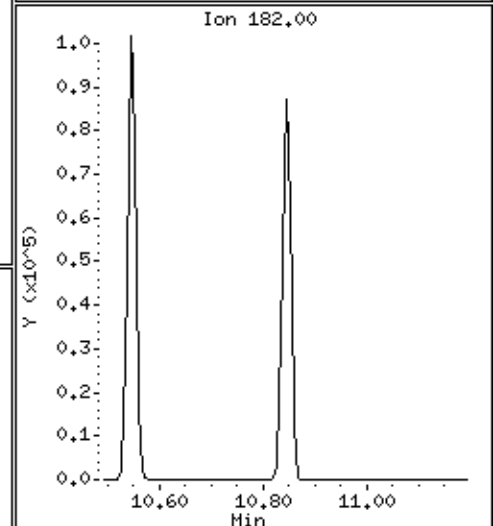
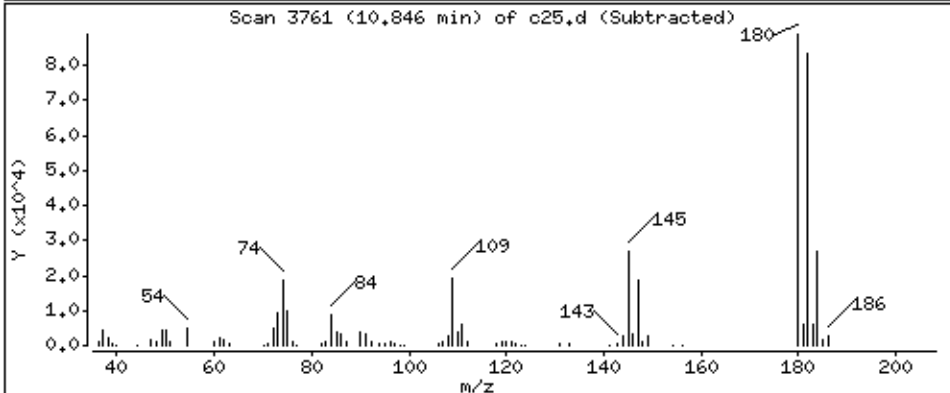
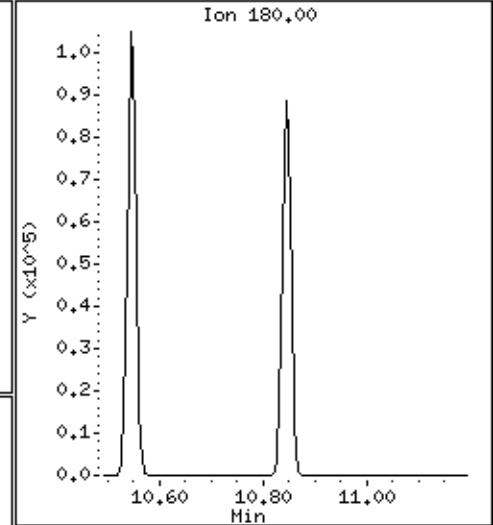
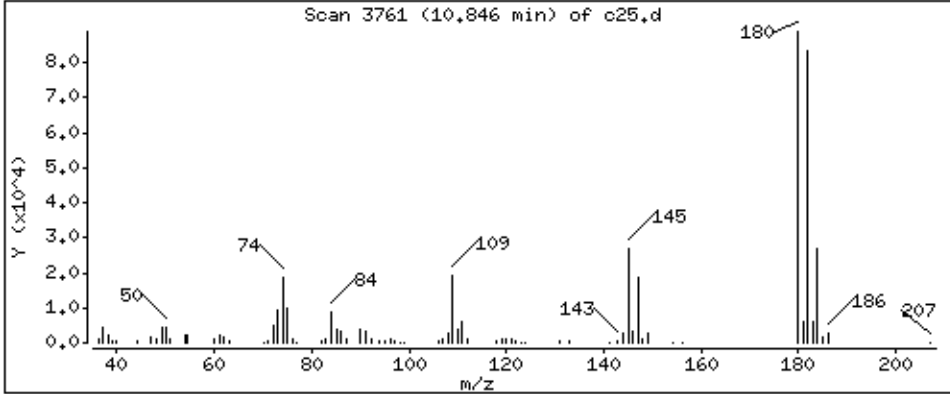
Operator: amv

Column phase: DB-624

Column diameter: 0,18

99 1,2,3-Trichlorobenzene

Concentration: 45,2 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314:5

Purge Volume: 5.0

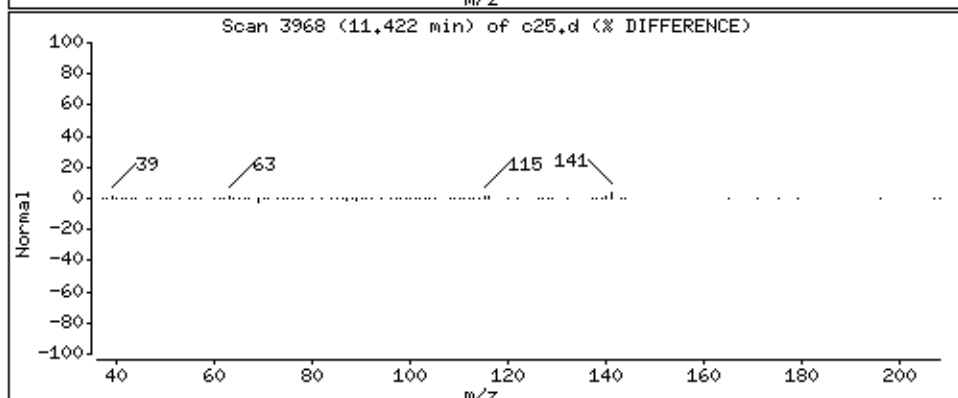
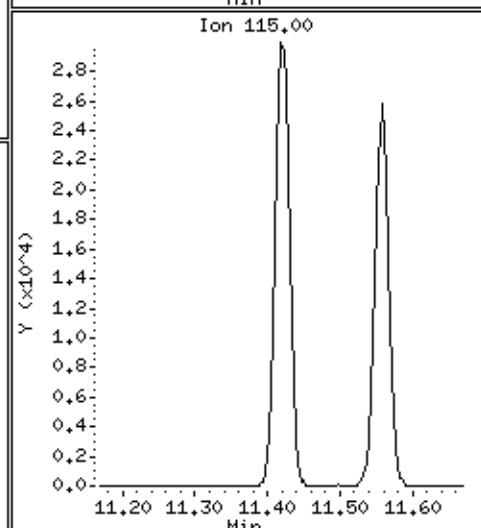
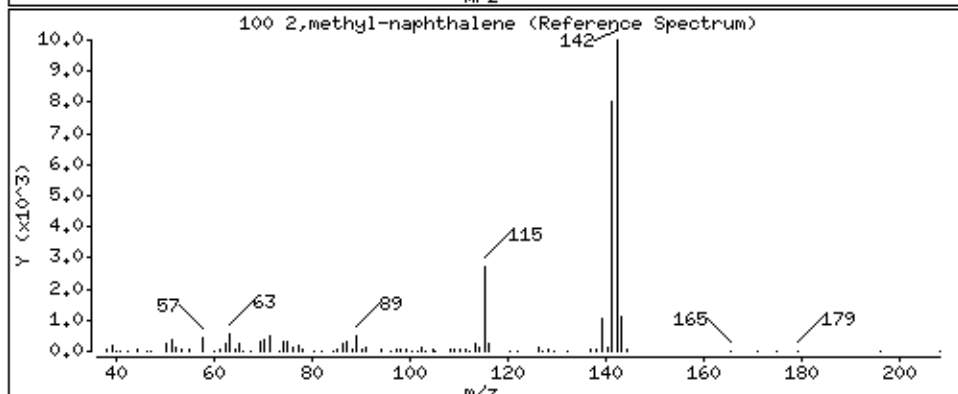
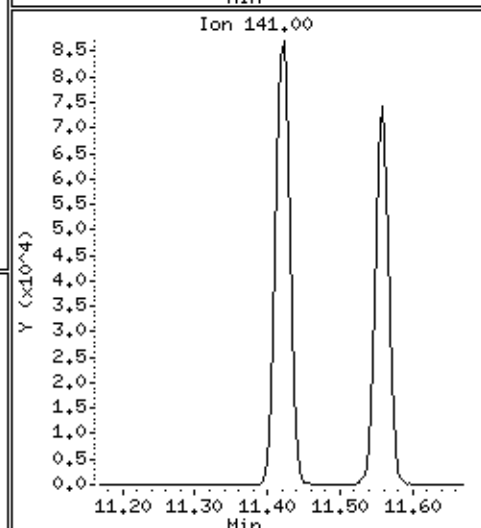
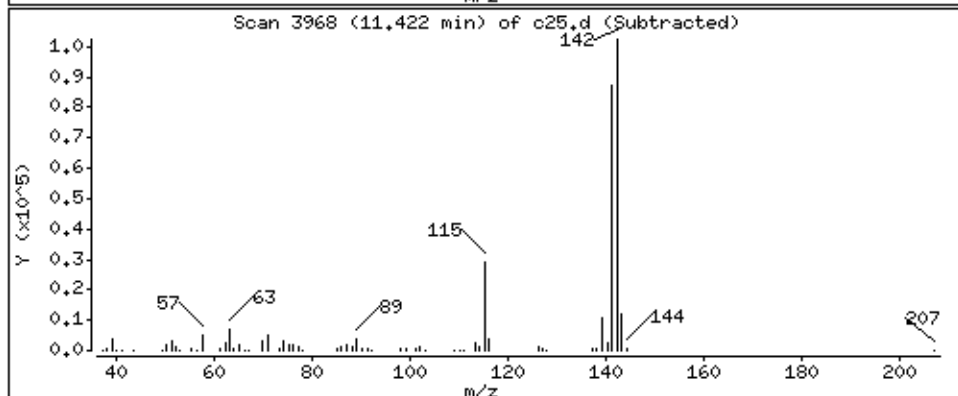
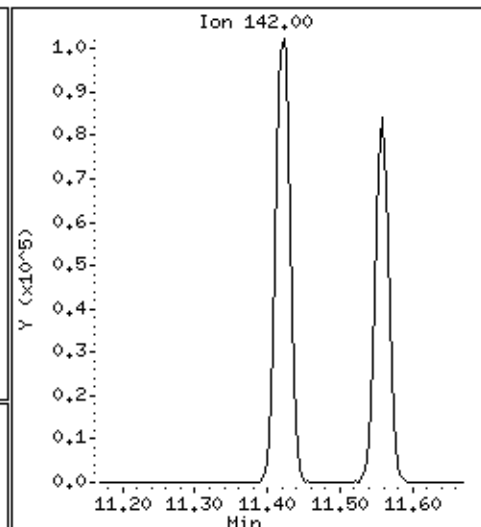
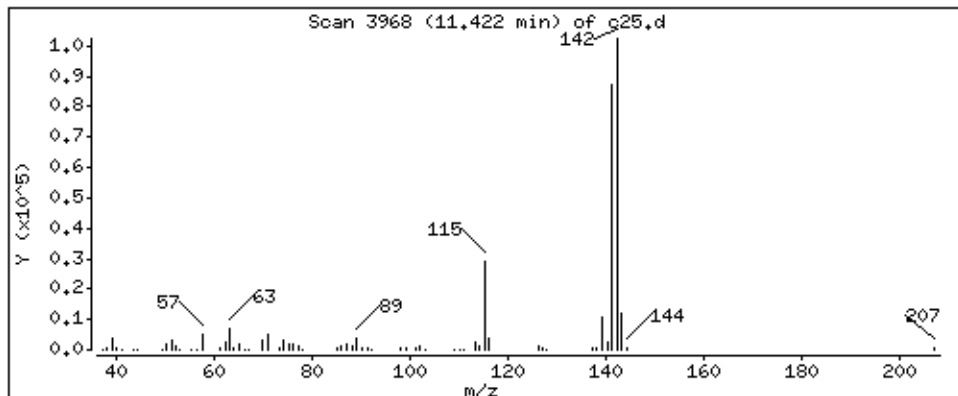
Operator: amv

Column phase: DB-624

Column diameter: 0.18

100 2,methyl-naphthalene

Concentration: 46.2 ppb



Date : 29-AUG-2018 07:40

Client ID: LA291HSD

Instrument: 50mv2a.i

Sample Info: 2118714,184314;5

Purge Volume: 5.0

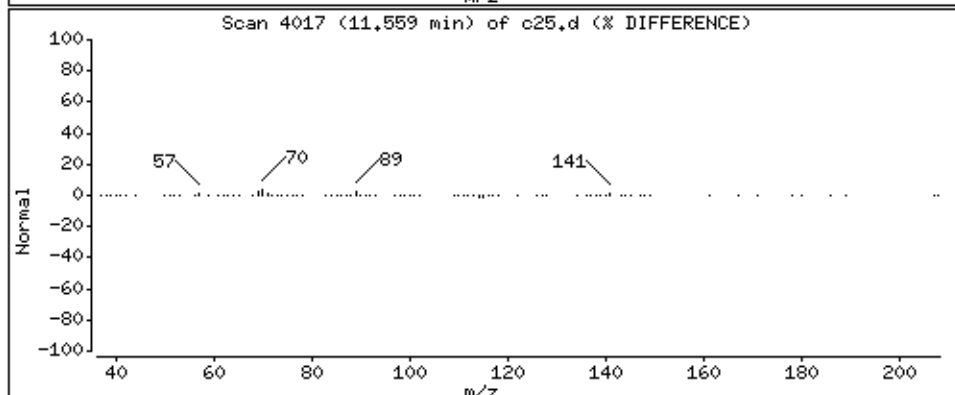
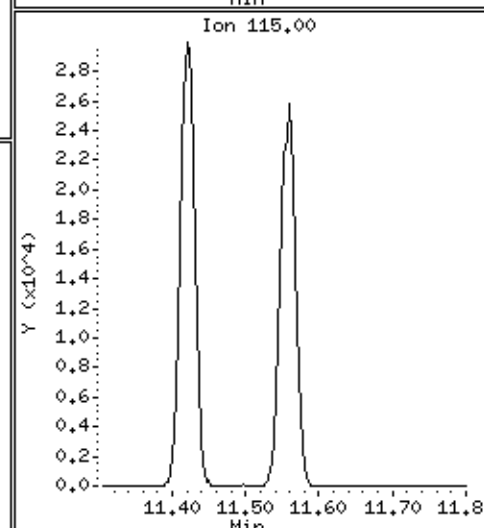
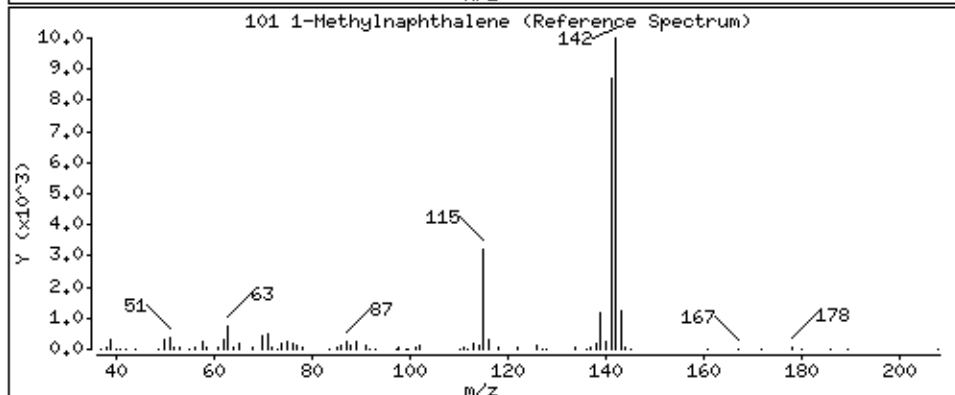
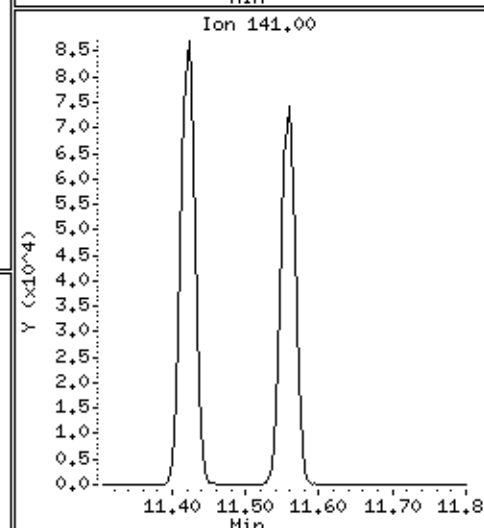
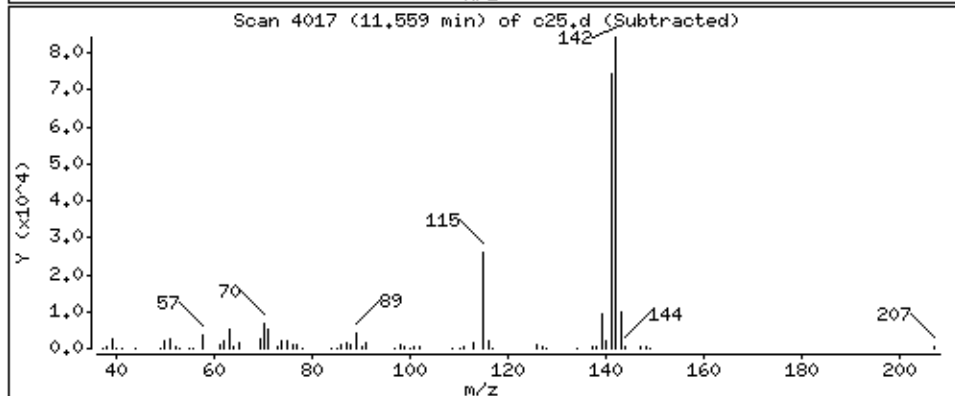
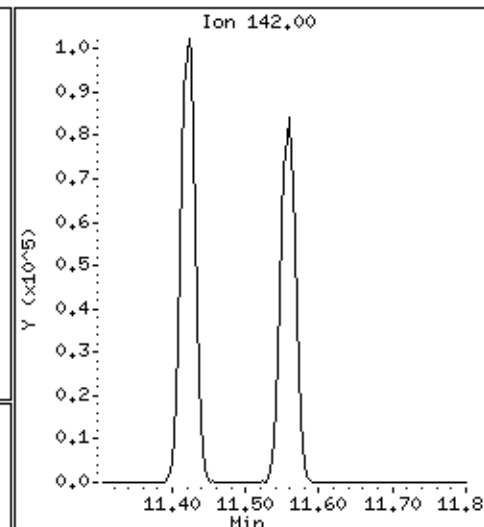
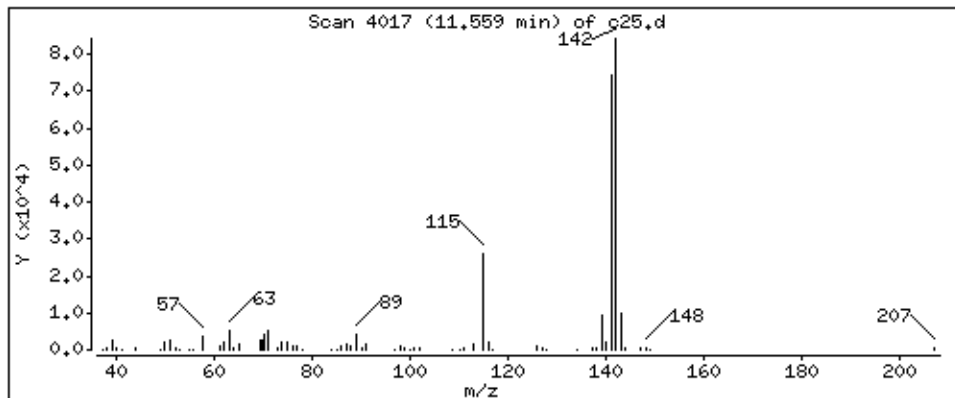
Operator: amv

Column phase: DB-624

Column diameter: 0.18

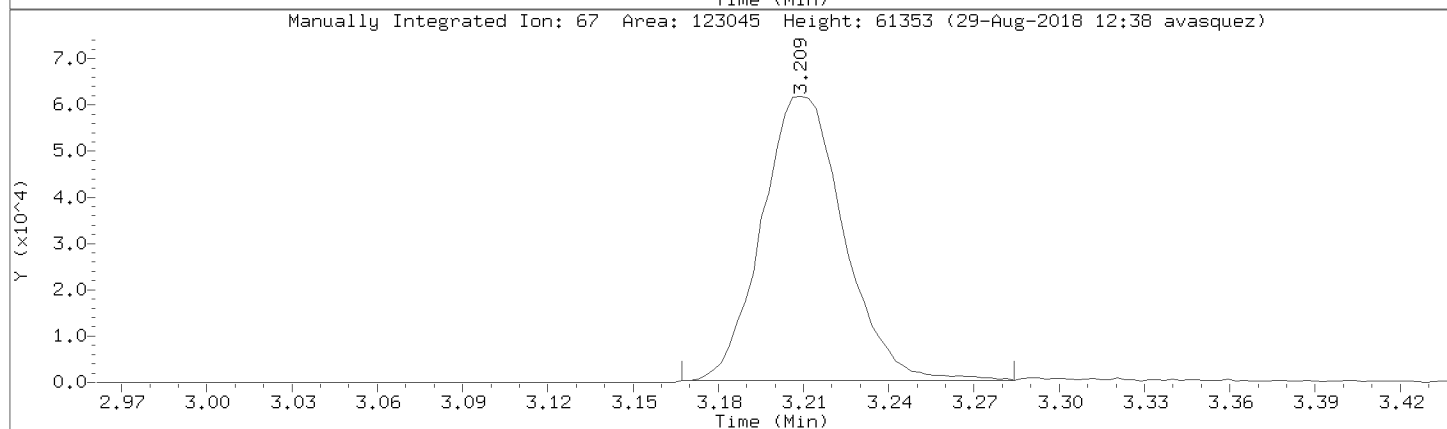
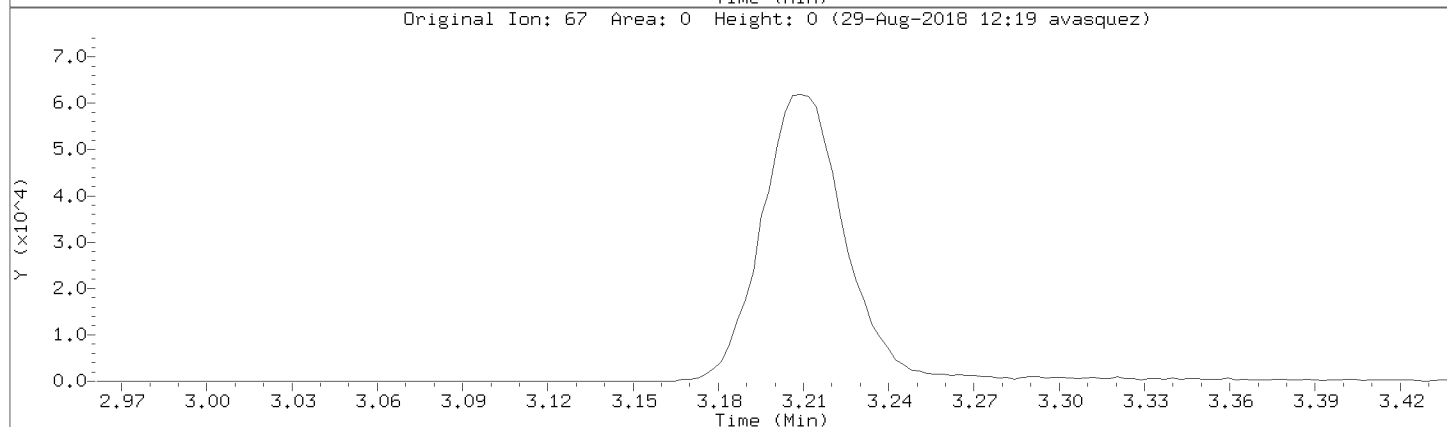
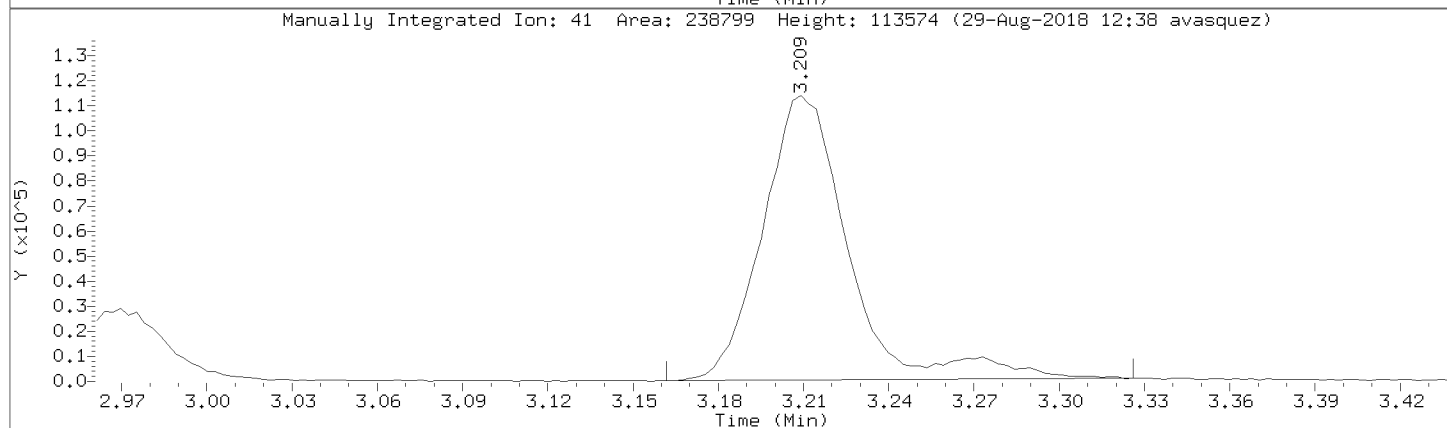
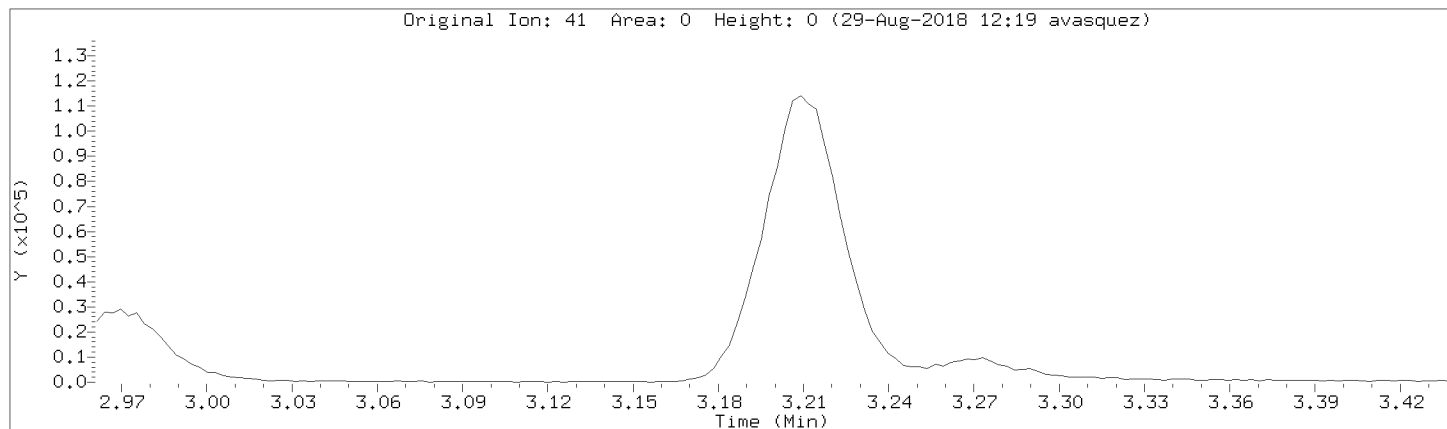
101 1-Methylnaphthalene

Concentration: 49.1 ppb



Data File: \\192.168.50.6\chem\50mv2a.i\082818.b/c25.d
Injection Date: 29-AUG-2018 07:40
Instrument: 50mv2a.i
Lab Sample ID: 2118714

Compound: Methacrylonitrile Review Code: NI
CAS Number: 126-98-7

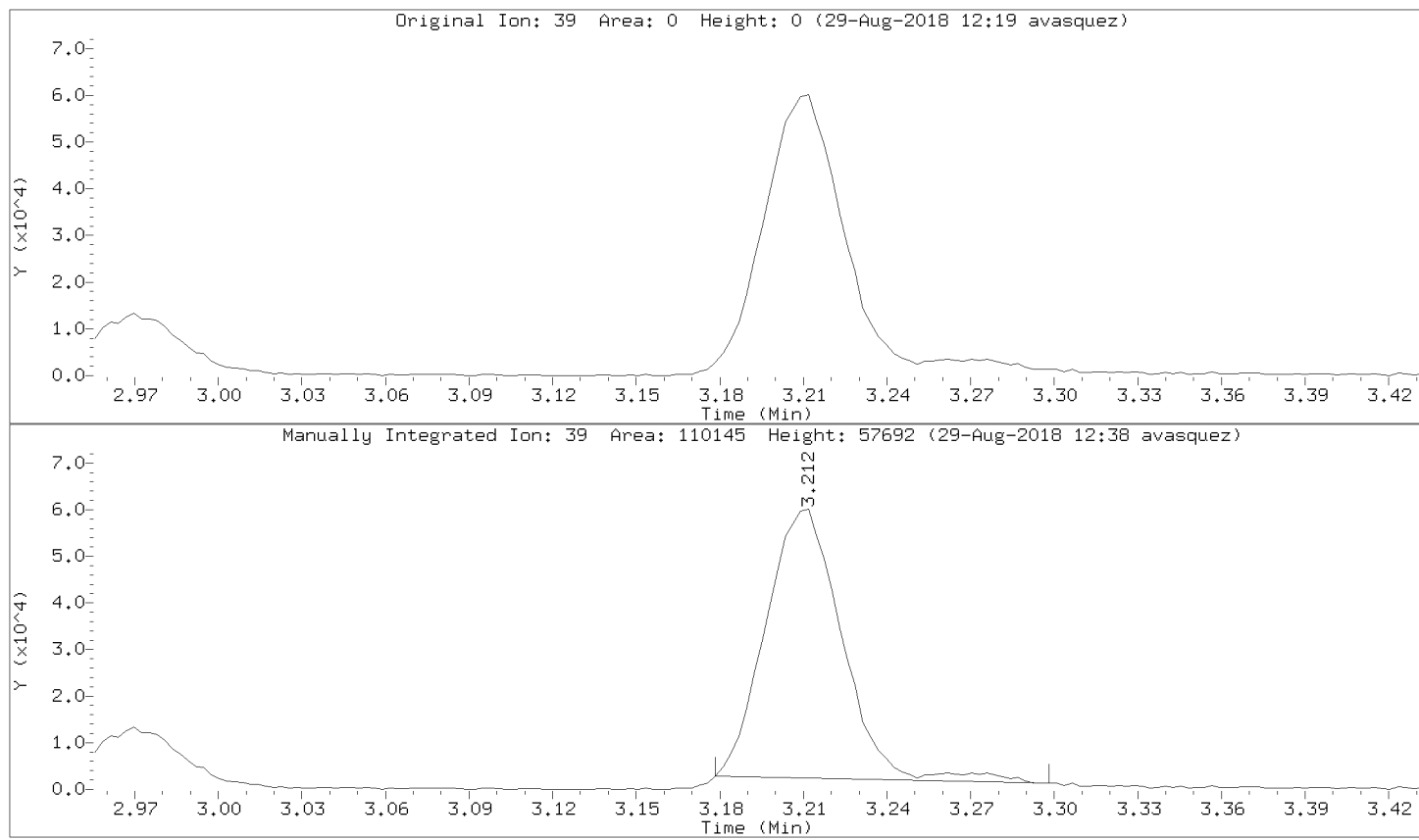


Data File: \\192.168.50.6\chem\50mv2a.i\a082818.b/c25.d

Injection Date: 29-AUG-2018 07:40

Instrument: 50mv2a.i

Lab Sample ID: 2118714



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: 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	8/28/18	10:53	amv	✓
1/a01ccv.d	8260-CCV,184315:	L/117473	CCALIB_6	1	7	-a8260_a_c/all	8/28/18	11:17	amv	✓ used LCS as CCV
1/a02lcs.d	LCS,184314:5	L/	LCS	1	7	-a8260_a_c/all	8/28/18	11:42	amv	✓
1/a03mb.d	MB	L/	BLANK	1	7	-a8260_a_c/all	8/28/18	12:06	amv	✓
1/a04.d	50203520003	L/117689	SAMPLE	1	<2	-a8260_a_c/all	8/28/18	12:31	amv	✓
1/a05.d	50203520004	L/117689	SAMPLE	1	<2	-a8260_a_c/all	8/28/18	12:55	amv	✓
1/a06.d	50203520005	L/117689	SAMPLE	1	<2	-a8260_a_c/all	8/28/18	13:20	amv	✓
1/a07.d	50203638010	L/117689	SAMPLE	1	<2	-a8260_a_c/all	8/28/18	13:44	amv	✓
1/a08.d	50203638009	L/117689	SAMPLE	1	<2	-a8260_a_c/all	8/28/18	14:09	amv	✓
1/a09.d	50203638008	L/117689	SAMPLE	1	<2	-a8260_a_c/all	8/28/18	14:33	amv	✓
1/a10.d	50203638007	L/117689	SAMPLE	1	<2	-a8260_a_c/all	8/28/18	14:58	amv	✓
1/a11.d	50203638006	L/117689	SAMPLE	1	<2	-a8260_a_c/all	8/28/18	15:22	amv	✓
1/a12.d	50203638005	L/117689	SAMPLE	1	<2	-a8260_a_c/all	8/28/18	15:47	amv	✓
1/a13.d	50203638004	L/117689	SAMPLE	1	<2	-a8260_a_c/all	8/28/18	16:11	amv	✓
1/a14.d	50203638003	L/117689	SAMPLE	1	<2	-a8260_a_c/all	8/28/18	16:35	amv	✓
1/a15.d	50203638002	L/117689	SAMPLE	1	<2	-a8260_a_c/all	8/28/18	17:00	amv	✓
1/a16.d	50203633002	L/117689	SAMPLE	1	<2	-a8260_a_c/all	8/28/18	17:24	amv	✓
1/a17.d	50203633001	L/117689	SAMPLE	1	<2	-a8260_a_c/all	8/28/18	17:49	amv	✓
1/a18.d	50203524001x25	L/117689	SAMPLE	25	<2	-a8260_a_c/all	8/28/18	18:13	amv	✓
1/a19.d	50203676015x10	L/117689	SAMPLE	10	<2	-a8260_a_c/all	8/28/18	18:38	amv	✓
1/a20.d	50204151001x10	L/117689	SAMPLE	10	<2	-a8260_a_c/all	8/28/18	19:02	amv	✓
1/a21.d	50204151002x25	L/117689	SAMPLE	25	<2	-a8260_a_c/all	8/28/18	19:26	amv	✓
1/a22.d	50204151003x10	L/117689	SAMPLE	10	<2	-a8260_a_c/all	8/28/18	19:51	amv	✓
1/a23.d	50204151004x10	L/117689	SAMPLE	10	<2	-a8260_a_c/all	8/28/18	20:15	amv	✓
1/a24.d	2118710	L/117689	FIELD DDP	1	<2	-a8260_a_c/all	8/28/18	20:40	amv	✓
1/a25.d	2118709,184314:5	L/117689	MS	1	<2	-a8260_a_c/all	8/28/18	21:04	amv	✓
1/c00bfb.d	8260-TUNE,182982	L/117473	BFB	1	7	-bfb390/all	8/28/18	21:29	amv	✓
1/c01ccv.d	8260-CCV,184315:	L/117473	CCALIB_6	1	7	-a8260_a_c/all	8/28/18	21:53	amv	✓
1/c02lcs.d	2118712,184314:5	L/117690	LCS	1	7	-a8260_a_c/all	8/28/18	22:18	amv	✓
1/c03mb.d	2118711	L/117690	BLANK	1	7	-a8260_a_c/all	8/28/18	22:42	amv	✓
1/c04.d	50204113001	L/117690	SAMPLE	1	<2	-a8260_a_c/all	8/28/18	23:07	amv	✓

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv2a.i\A082818.b
 Matrix Codes: [B]iota, [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 12:20 08/29/2018

Reviewed By/Date: amv Page: 1 of 2

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