



September 24, 2019

Ms. Ruth Curley

New York State Department of Environmental Conservation

Division of Environmental Remediation

625 Broadway, Albany, New York 12233

Re: **Quarterly Inspection Report (Q3 2019)**

Former Union Wire Die Corp.

39-40 30th Street, Queens, New York

NYSDEC BCP Number: C241163

Dear Ms. Curley:

This letter serves as the Quarterly Inspection Report for the Former Union Wire Die Corp. site ("Site"), for the third Quarter of 2019. The site is located at 39-40 30th Street, Long Island City, Queens County, NY and is currently enrolled the New York State Brownfield Cleanup Program (BCP Number: C241163) administered by New York State Department of Environmental Conservation (NYSDEC). Pursuant to the Site Management Plan (SMP) prepared by AMC Engineering, issued September 2017, Impact Environmental Closures, Inc. ("Impact") conducted an inspection of the employed Engineering Controls (ECs) and collected groundwater samples to ensure permanent protection of public health from residual materials remaining at the Site on September 6th and 19th, 2019. The O&M Plan in the SMP provides details for the operation, monitoring and maintenance for ECs present at the Site.

This Site has two (2) Engineering Controls; a Soil Vapor Extraction System and a Composite Cover System.

Soil Vapor Extraction System

The SVE system at the Site is operated 24-hours per day, 7 days per week and is monitored on a quarterly basis to assess function. Field vacuum and PID measurements are collected quarterly to evaluate system effectiveness. The carbon filters are replaced when breakthrough has occurred as indicated by PID measurements or by a color change in the saturation indicator.

The specifications of the SVE system are as follows:

- The existing SVE system at the Site consists of four (4), 2-inch diameter soil vapor extraction wells installed to depths ranging from 2.5 to 12.5 feet below the slab (VE-1 – VE-4).
- The extraction wells are connected via PVC pipe to a 7.5HP regenerative blower with a particulate filter.
- The blower drives extracted air over two (2) 180-pound carbon drums connected in parallel.

- The SVE system was started on October 31st 2016 and has been in continuous operation since November 10th 2016.

Figure 1 depicts the layout of the system. The last carbon changeover was March 8th 2019.

Composite Cover System

A cap / cover system prevents exposure to contaminants remaining in soil beneath the Site. This cover system is comprised of concrete-covered sidewalks, parking areas and the building concrete slab, as well as asphalt paved areas. The cover system is inspected annually.

Monitoring Program Summary

The requisite monitoring required for ECs present at the Site, as per the SMP, is summarized below;

- Quarterly PID and vacuum monitoring of four (4) sampling ports from SVE wells [VE-1 – VE-4], Pre-carbon and Post-carbon.
- Annual inspection of composite cover for cracks, etc.¹

The groundwater monitoring program at the Site, is summarized below;

- Annual groundwater sampling from wells MW3 and MW4 using the low-flow sampling procedures outlined within the SMP. The groundwater samples are to be submitted for laboratory analysis of Volatile Organic Compounds (VOCs) via EPA Method 8260. **Figure 1** depicts the location of the wells.

Inspection Results

The results of the inspections performed on September 6th and 19th 2019 are summarized below;

- The SVE system was observed to be operating and no mechanical issues were noted. The system has been taken of mains power for the upcoming demolition works and has been connected to a generator with an extended capacity fuel tank for continuous running.
- PID and vacuum readings were collected and determined to be within normal range of design parameters for the SVE system. Note the PID readings were in parts per million as a parts per billion capable device was unavailable at the time.
- The SVE inspection was performed on September 6, 2019, and the Routine System Inspection Form is attached in **Appendix A**.
- Photographs taken during the inspection have been included in a log as **Appendix B**.
- MW4 was unable to be located at the Site and has likely been destroyed in the time since the last groundwater sampling event in December 2018. On consultation with NYSDEC, well MW3ADJ was selected to be sampled in its place.
- MW3 and MW3ADJ were sampled on September 19th 2019.
- Depth to water from top of casing was 17.2' in MW3 (previously 16.5' in December of 2018) and 19.3' in MW3 ADJ (previously 19.9' in August of 2015).
- No free product or Light Non-Aqueous Phase Liquid (LNAPL) was detected in any of the monitoring wells during this groundwater sampling event.

¹ Note the annual cover system inspection was captured in Q2 of 2019.

Analytical Results

The results of the analysis of the groundwater samples collected on September 19, 2019 are summarized below;

- **MW3:** The VOCs, cis-1,2-dichloroethene (650 µg/L, previously 230 µg/L in December of 2018), tetrachloroethene (49 µg/L, previously 82 µg/L in December of 2018), trans-1,2-dichloroethene (15 µg/L, previously 5.4 µg/L in December of 2018), and trichloroethene (25 µg/L, previously 130 µg/L in December of 2018), were reported above NYSDEC Groundwater Quality Standards. A total VOC concentration of 746.4 µg/L was reported during this groundwater sampling event.
- **MW3 ADJ:** The VOC tetrachloroethene (7 µg/L) was reported above NYSDEC Groundwater Quality Standards. A total VOC concentration of 11.3 µg/L was reported during this groundwater sampling event.

The increase in the isomers of dichloroethene accompanied by the decrease in TCE and PCE is indicative of reductive dichlorination occurring at the Site.

Appendix C contains copies of the purge logs for each well and copies of the laboratory reports have been attached as **Appendix D**. The laboratory results for this groundwater sampling event are summarized and compared to their respective Groundwater Quality Standards (GQSs) in **Table 1**.

Future Work / Inspections

The SVE system is currently operating at optimal conditions; modifications are not required at this time. Based on the trend of readings collected previously, changeover of carbon drums is not anticipated until 2020.

A full soil vapor intrusion evaluation will be conducted in the heating season post building construction in 2020. Long term monitoring of groundwater and indoor air will resume on its regular annual schedule subsequent to the building construction completion.

The SVE system will continue to be operated during the demolition of the existing building. These inspections will continue on a quarterly basis in accordance with the SMP until the foundation excavation work for the proposed building begins. Alternate plans for procedures to be utilized during development and engineering controls within the proposed building structure are being developed in consultation with NYSDEC in separate plans at the time of writing.

Sincerely,
Impact Environmental Closures, Inc.

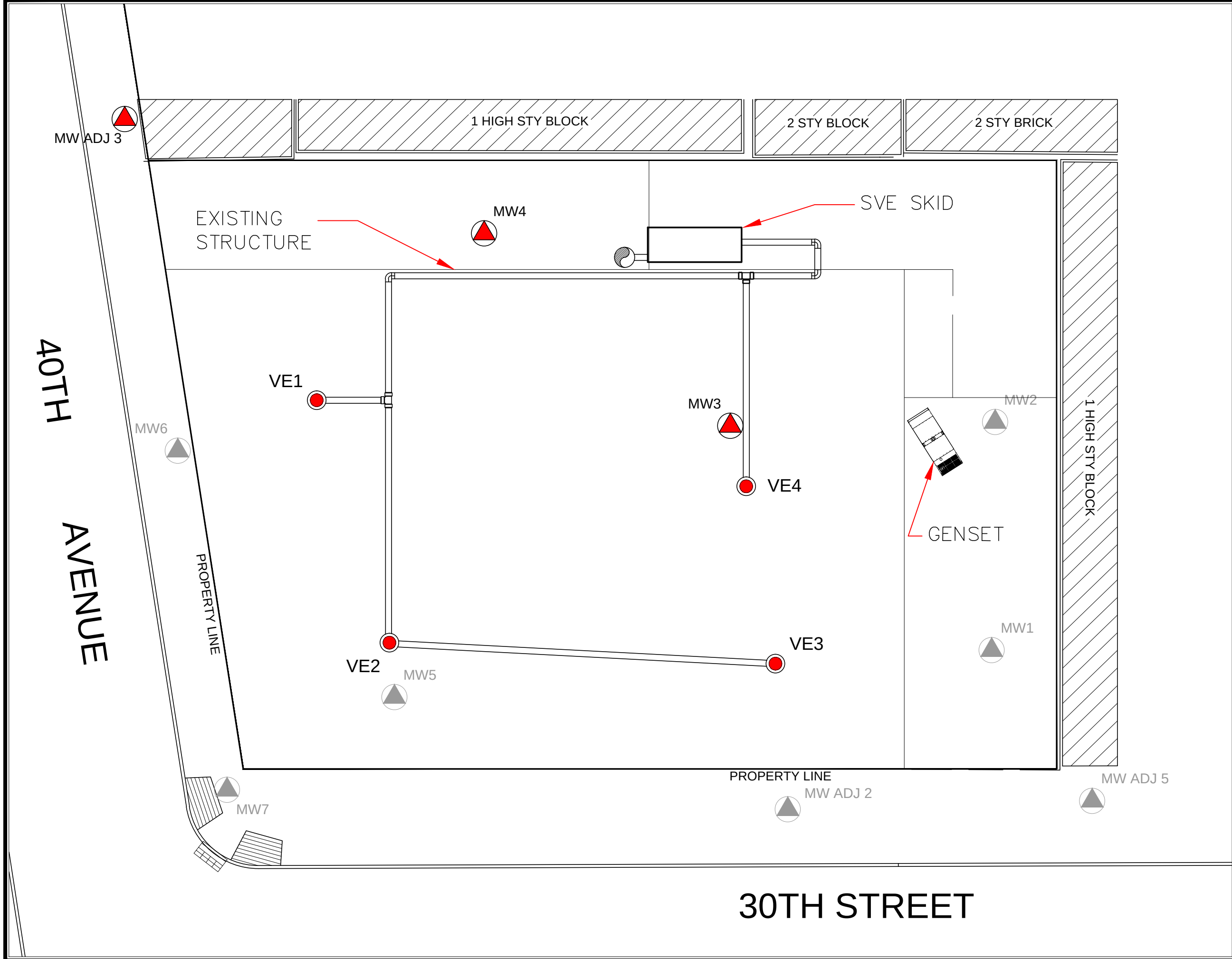


Rob Dwyer
Environmental Engineer

CC: K. Kleaka, IEC

Attachments

Figure 1:	Site Layout
Table 1:	Groundwater Analytical Data Summary
Appendix A:	Routine System Inspection Form
Appendix B:	Photographic Log
Appendix C:	Groundwater Purge Log
Appendix D:	Laboratory Report(s)



- NOTES:
1. DRAWING DEVELOPED FROM FIGURE 6 "SVE SYSTEM LAYOUT," BY AMC ENGINEERING PLLC, DATED 08/29/2017.
 2. DRAWING NOT TO SCALE. LOCATION OF PIPING, EXTRACTION WELLS AND SYSTEM ELEMENTS IS INDICATIVE.
 3. MW4 WAS UNABLE TO BE LOCATED IS PRESUMED TO HAVE BEEN DESTROYED.

EXISTING SVE
SYSTEM & SITE
LAYOUT

39-40 30th Street,
Queens, NY

SHEET NO.
FIG 1

PROJECT NO.	12930
DESIGNED BY:	RD
DRAWN BY:	RD
CHECKED BY:	KK
DATE:	09/24/2019
SCALE:	NTS

REVISIONS	
NO.	DATE:



IMPACT ENVIRONMENTAL
170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800 FAX (631) 269-1599
1000 PAGE AVENUE
LYNDHURST, NEW JERSEY 07071

Table 1. Groundwater Analytical Data Summary - Q3 2019

39-40 30th St,
Queens NY

NYCDEC BCP Number: C241163

CAS Number	Parameter Name	Parameter ID	NYSDEC TOGS 1.1.1 Groundwater Quality Standards	MW-3	MW-ADJ 3	MW-DUP	TRIP BLANK
		GW Depth	-	17.2'	19.3'	17.2'	-
		Date	-	09/19/2019	09/19/2019	09/19/2019	09/19/2019
		Unit	ug/l	ug/l	ug/l	ug/l	ug/l
630-20-6	1,1,1,2-Tetrachloroethane	VOC	5	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	VOC	5	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloroethane	VOC	5	ND	ND	ND	ND
79-00-5	1,1,2-Trichloroethane	VOC	1	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	VOC	5	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	VOC	5	ND	ND	ND	ND
563-58-6	1,1-Dichloropropene	VOC	5	ND	ND	ND	ND
87-61-6	1,2,3-Trichlorobenzene	VOC	5	ND	ND	ND	ND
96-18-4	1,2,3-Trichloropropane	VOC	0.04	ND	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	VOC	5	ND	ND	ND	ND
95-63-6	1,2,4-Trimethylbenzene	VOC	5	ND	ND	ND	ND
96-12-8	1,2-Dibromo-3-chloropropane	VOC	0.04	ND	ND	ND	ND
106-93-4	1,2-Dibromoethane	VOC	0.0006	ND	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	VOC	3	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	VOC	0.6	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	VOC	1	ND	ND	ND	ND
108-67-8	1,3,5-Trimethylbenzene	VOC	5	ND	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	VOC	3	ND	ND	ND	ND
142-28-9	1,3-Dichloropropane	VOC	5	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	VOC	3	ND	ND	ND	ND
594-20-7	2,2-Dichloropropane	VOC	5	ND	ND	ND	ND
95-49-8	2-Chlorotoluene	VOC	5	ND	ND	ND	ND
591-78-6	2-Hexanone	VOC	50	ND	ND	ND	ND
106-43-4	4-Chlorotoluene	VOC	5	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	VOC	NA	ND	ND	ND	ND
67-64-1	Acetone	VOC	50	ND	ND	ND	ND
107-13-1	Acrylonitrile	VOC	5	ND	ND	ND	ND
71-43-2	Benzene	VOC	1	ND	ND	ND	ND
108-86-1	Bromobenzene	VOC	5	ND	ND	ND	ND
74-97-5	Bromochloromethane	VOC	5	ND	ND	ND	ND
75-27-4	Bromodichloromethane	VOC	50	ND	ND	ND	ND
75-25-2	Bromoform	VOC	50	ND	ND	ND	ND
74-83-9	Bromomethane	VOC	5	ND	ND	ND	ND
75-15-0	Carbon Disulfide	VOC	NA	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	VOC	5	ND	ND	ND	ND
108-90-7	Chlorobenzene	VOC	5	ND	ND	ND	ND
75-00-3	Chloroethane	VOC	5	ND	ND	ND	ND
67-66-3	Chloroform	VOC	7	ND	ND	ND	ND
74-87-3	Chloromethane	VOC	5	ND	ND	ND	ND
156-59-2	cis-1,2-Dichloroethene	VOC	5	650	2	650	ND
10061-01-5	cis-1,3-Dichloropropene	VOC	0.4	ND	ND	ND	ND
124-48-1	Dibromochloromethane	VOC	50	ND	ND	ND	ND
74-95-3	Dibromomethane	VOC	5	ND	ND	ND	ND
75-71-8	Dichlorodifluoromethane	VOC	5	ND	ND	ND	ND
100-41-4	Ethylbenzene	VOC	5	ND	ND	ND	ND
87-68-3	Hexachlorobutadiene	VOC	0.5	ND	ND	ND	ND
98-82-8	Isopropylbenzene	VOC	5	ND	ND	ND	ND
179601-23-1	m&p-Xylene	VOC	5	ND	ND	ND	ND
78-93-3	Methyl ethyl ketone	VOC	50	ND	ND	ND	ND
1634-04-4	Methyl t-butyl ether (MTBE)	VOC	10	ND	ND	ND	ND
75-09-2	Methylene chloride	VOC	5	ND	ND	ND	ND
91-20-3	Naphthalene	VOC	10	ND	ND	ND	ND
104-51-8	n-Butylbenzene	VOC	5	ND	ND	ND	ND
103-65-1	n-Propylbenzene	VOC	5	ND	ND	ND	ND
95-47-6	o-Xylene	VOC	5	ND	ND	ND	ND
99-87-6	p-Isopropyltoluene	VOC	5	ND	ND	ND	ND
135-98-8	sec-Butylbenzene	VOC	5	4.2	ND	ND	ND
100-42-5	Styrene	VOC	5	ND	ND	ND	ND
98-06-6	tert-Butylbenzene	VOC	5	3	ND	ND	ND
127-18-4	Tetrachloroethene	VOC	5	49	7	44	ND
108-88-3	Toluene	VOC	5	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloroethene	VOC	5	15	ND	14	ND
10061-02-6	trans-1,3-Dichloropropene	VOC	0.4	ND	ND	ND	ND
110-57-6	trans-1,4-dichloro-2-butene	VOC	5	ND	ND	ND	ND
79-01-6	Trichloroethene	VOC	5	25	2	29	ND
75-69-4	Trichlorofluoromethane	VOC	5	ND	ND	ND	ND
75-01-4	Vinyl chloride	VOC	2	ND	ND	ND	ND
1330-20-7	Total Xylenes	VOC	NA	ND	ND	ND	ND
	Total VOCs	-	-	746.4	11.3	737	-

Note: Shaded values indicate an exceedance of NYSDEC TOGS 1.1.1 Groundwater Quality Standards (as revised in 1999, 2000 and 2004)

ug/L = micrograms per liter

J = estimated concentration below reporting limit.

NA = no applicable standard

ND = non-detect

VOC = volatile organic compound

Depth to water recorded in feet below top of casing.



Former Union Wire Die Corp

SOIL VAPOR EXTRACTION SYSTEM INSPECTION FORM

Inspector: R. Dwyer

Last Carbon Filter Installation Date: March 8, 2019

Date: 9/6/19

Time: 09:30 – 10:15

Sample Point	Operation Range (iwc)	Vacuum (iwc)	PID Reading
VE-1	Typically -20 to -14	-18	0.0 ppm
VE-2	Typically -20 to -14	-18	0.0 ppm
VE-3	Typically -20 to -14	-18	0.0 ppm
VE-4	Typically -20 to -14	-24	0.0 ppm
Blower inlet	Typically -35 to -25	-33	
Before Carbon			0.2 ppm
After Carbon			0.0 ppm

Inspection:	Yes / No	Comments
System Operation		
<i>Blower Operating?</i>	Yes	
Spare Carbon Drums		
<i>On-Site and Labelled New?</i>	Yes	
System Integrity		
<i>All PVC Piping Intact?</i>	Yes	
<i>Unusual Noises? (I.e. hissing)</i>	No	
<i>Gauges Intact and Operating?</i>	Yes	



Photo 1: Blower unit.



Photo 2: Blower unit inlet vacuum dial showing -33 inches of water gauge.



Photo 3: Pre-carbon sampling point showing 0.2 ppm.



Photo 4: Post-carbon sampling point showing 0.0 ppm.



Photo 5: VE-4 vacuum dial showing -24 inches of water gauge.



Photo 6: VE-1 vacuum dial showing -18 inches of water gauge.



Photo 7: VE-2 vacuum dial showing -18 inches of water gauge.



Photo 8: VE-3 vacuum dial showing -18 inches of water gauge.



Photo 10: Low flow sampling of MW3 ADJ.



Photo 11: Low flow sampling of MW3.

LOW FLOW SAMPLING DATA SHEET

SHEET 1 OF 1

SITE: 39-40 30th Ave, Long Island City, NY

DATE: 9/19/19

WEATHER: Sunny, 80°F

CONSULTING FIRM: Impact
FIELD PERSONNEL: Greg Mayer

MONITOR WELL #: MW 3

WELL PERMIT #: WELL DEPTH: 20.6
WELL DIAMETER: 1 Inches

SCREENED/OPEN INTERVAL:

1D/FID READINGS (ppm):

BACKGROUND:

BENEATH OUTER CAP:

BENEATH INNER CAP:

PUMP INTAKE DEPTH: 18 ft below TOC

DEPTH TO WATER BEFORE PUMP INSTALLATION: 16.5 ft below TOC

TIME	PURGING SAMPLING	pH (pH units)		SPECIFIC CONDUCTIVITY (mS/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
		READING	CHANGE	READING	CHANGE	READING	CHANGE	READING	CHANGE	READING	CHANGE	READING	CHANGE		
10:45		6.29		0.434		226		10.42		242		19.11		150	16.85
10:50		7.31	+1.02	0.790	+82%	194	-32	9.90	-5%	215	-11%	18.82	-2%	150	16.92
10:55		7.76	+0.45	0.931	+18%	134	-55	9.84	-1%	170	-21%	18.64	-1%	150	16.95
11:00		7.85	+0.09	0.954	+2%	64	-75	9.79	-1%	156	-8%	18.57	-1%	150	17.01
11:05		7.85	0	0.940	-1%	48	-16	9.20	+4%	116	-21%	18.52	-1%	150	17.05
11:10		7.88	+0.03	0.986	+5%	53	+5	9.88	-3%	107	-8%	18.53	0	150	17.15
11:15		7.88	0	0.988	+1%	55	+2	9.86	0	103	-4%	18.48	-1%	150	17.18
11:20		7.88	0	0.987	0	54	-1	9.85	0	100	-3%	18.46	0	150	17.18
11:25		7.88	0	0.986	0	53	-1	9.85	0	97.6	-2%	18.46	0	150	17.20
11:30		7.88	0	0.987	0	53	0	9.84	0	94.9	-3%	18.45	0	150	17.20

COMMENTS:

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature;
± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

LOW FLOW SAMPLING DATA SHEET

SHEET 1 OF 1

SITE: 39-40 30th Ave Long Island City, NY

DATE: 09/19/19

WEATHER: Sunny, 80th

CONSULTING FIRM: Impact
FIELD PERSONNEL: Greg Mayer

MONITOR WELL #: MW-3 Adj WELL DEPTH: 37.35
WELL PERMIT #: WELL DIAMETER: 1 Inches

SCREENED/OPEN INTERVAL:

10/12/19 READINGS (ppm): BACKGROUND: PUMP INTAKE DEPTH: 21 ft below TOC 19.15
BENEATH OUTER CAP: DEPTH TO WATER BEFORE PUMP INSTALLATION : ft below TOC
BENEATH INNER CAP:

TIME	PURGING	SAMPLING	pH		SPECIFIC CONDUCTIVITY		REDOX POTENTIAL		DISSOLVED OXYGEN		TURBIDITY		TEMPERATURE		PUMPING RATE	DEPTH TO WATER
			READING	CHANGE	READING	CHANGE	READING	CHANGE	READING	CHANGE	READING	CHANGE	READING	CHANGE		
12:30			7.82		0.847		135		9.80		36.4		17.51		200	19.30
12:35			7.65	-0.17	0.870	+3%	142	+7	7.15	-31%	14.9	-84%	17.20	-2%	250	19.30
12:40			7.44	-0.21	0.875	+1%	148	+6	4.20	-52%	7.5	-66%	16.95	-2%	300	19.30
12:45			7.21	-0.23	0.884	+1%	154	+6	4.05	-4%	0.0	-	16.69	-2%	300	19.30
12:50			7.06	-0.15	0.889	+1%	160	+6	3.92	-3%	0.0	0	16.67	-1%	300	19.30
12:55			7.05	-0.01	0.894	+1%	163	+3	3.80	-3%	0.0	0	16.66	0	300	19.30
13:00			7.04	-0.01	0.895	0	165	+2	3.75	-1%	0.0	0	16.65	0	300	19.30
13:05			7.04	0	0.897	0	166	+1	3.70	-1%	0.0	0	16.65	0	300	19.30
13:10			7.03	-0.01	0.899	0	167	+1	3.62	-2%	0.0	0	16.65	0	300	19.30

COMMENTS:

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature;
± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity



ANALYTICAL REPORT

Lab Number:	L1943286
Client:	Impact Environmental 1000 Page Avenue Lyndhurst, NJ 07071
ATTN:	Robert Dwyer
Phone:	(201) 268-5686
Project Name:	FORMER UNION WIRE DIE CORP SIT
Project Number:	12930
Report Date:	09/24/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1943286-01	MW-3	WATER	39-40 30TH ST., LONG ISLAND CITY, NY	09/19/19 11:30	09/19/19
L1943286-02	MW-ADJ 3	WATER	39-40 30TH ST., LONG ISLAND CITY, NY	09/19/19 13:10	09/19/19
L1943286-03	MW-DUP	WATER	39-40 30TH ST., LONG ISLAND CITY, NY	09/19/19 12:10	09/19/19
L1943286-04	TRIP BLANK	WATER	39-40 30TH ST., LONG ISLAND CITY, NY	09/19/19 00:00	09/19/19

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Melissa Sturgis

Title: Technical Director/Representative

Date: 09/24/19

ORGANICS

VOLATILES

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

SAMPLE RESULTS

Lab ID: L1943286-01 **D**
Client ID: MW-3
Sample Location: 39-40 30TH ST., LONG ISLAND CITY, NY

Date Collected: 09/19/19 11:30
Date Received: 09/19/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/23/19 15:33
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	10	2.8	4
1,1-Dichloroethane	ND		ug/l	10	2.8	4
Chloroform	ND		ug/l	10	2.8	4
Carbon tetrachloride	ND		ug/l	2.0	0.54	4
1,2-Dichloropropane	ND		ug/l	4.0	0.55	4
Dibromochloromethane	ND		ug/l	2.0	0.60	4
1,1,2-Trichloroethane	ND		ug/l	6.0	2.0	4
Tetrachloroethene	49		ug/l	2.0	0.72	4
Chlorobenzene	ND		ug/l	10	2.8	4
Trichlorofluoromethane	ND		ug/l	10	2.8	4
1,2-Dichloroethane	ND		ug/l	2.0	0.53	4
1,1,1-Trichloroethane	ND		ug/l	10	2.8	4
Bromodichloromethane	ND		ug/l	2.0	0.77	4
trans-1,3-Dichloropropene	ND		ug/l	2.0	0.66	4
cis-1,3-Dichloropropene	ND		ug/l	2.0	0.58	4
1,3-Dichloropropene, Total	ND		ug/l	2.0	0.58	4
1,1-Dichloropropene	ND		ug/l	10	2.8	4
Bromoform	ND		ug/l	8.0	2.6	4
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	0.67	4
Benzene	ND		ug/l	2.0	0.64	4
Toluene	ND		ug/l	10	2.8	4
Ethylbenzene	ND		ug/l	10	2.8	4
Chloromethane	ND		ug/l	10	2.8	4
Bromomethane	ND		ug/l	10	2.8	4
Vinyl chloride	ND		ug/l	4.0	0.28	4
Chloroethane	ND		ug/l	10	2.8	4
1,1-Dichloroethene	ND		ug/l	2.0	0.68	4
trans-1,2-Dichloroethene	15		ug/l	10	2.8	4

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

SAMPLE RESULTS

Lab ID: L1943286-01 **D**
Client ID: MW-3
Sample Location: 39-40 30TH ST., LONG ISLAND CITY, NY

Date Collected: 09/19/19 11:30
Date Received: 09/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	25		ug/l	2.0	0.70	4
1,2-Dichlorobenzene	ND		ug/l	10	2.8	4
1,3-Dichlorobenzene	ND		ug/l	10	2.8	4
1,4-Dichlorobenzene	ND		ug/l	10	2.8	4
Methyl tert butyl ether	ND		ug/l	10	2.8	4
p/m-Xylene	ND		ug/l	10	2.8	4
o-Xylene	ND		ug/l	10	2.8	4
Xylenes, Total	ND		ug/l	10	2.8	4
cis-1,2-Dichloroethene	650		ug/l	10	2.8	4
1,2-Dichloroethene, Total	670		ug/l	10	2.8	4
Dibromomethane	ND		ug/l	20	4.0	4
1,2,3-Trichloropropane	ND		ug/l	10	2.8	4
Acrylonitrile	ND		ug/l	20	6.0	4
Styrene	ND		ug/l	10	2.8	4
Dichlorodifluoromethane	ND		ug/l	20	4.0	4
Acetone	ND		ug/l	20	5.8	4
Carbon disulfide	ND		ug/l	20	4.0	4
2-Butanone	ND		ug/l	20	7.8	4
Vinyl acetate	ND		ug/l	20	4.0	4
4-Methyl-2-pentanone	ND		ug/l	20	4.0	4
2-Hexanone	ND		ug/l	20	4.0	4
Bromochloromethane	ND		ug/l	10	2.8	4
2,2-Dichloropropane	ND		ug/l	10	2.8	4
1,2-Dibromoethane	ND		ug/l	8.0	2.6	4
1,3-Dichloropropane	ND		ug/l	10	2.8	4
1,1,1,2-Tetrachloroethane	ND		ug/l	10	2.8	4
Bromobenzene	ND		ug/l	10	2.8	4
n-Butylbenzene	ND		ug/l	10	2.8	4
sec-Butylbenzene	4.2	J	ug/l	10	2.8	4
tert-Butylbenzene	3.2	J	ug/l	10	2.8	4
o-Chlorotoluene	ND		ug/l	10	2.8	4
p-Chlorotoluene	ND		ug/l	10	2.8	4
1,2-Dibromo-3-chloropropane	ND		ug/l	10	2.8	4
Hexachlorobutadiene	ND		ug/l	10	2.8	4
Isopropylbenzene	ND		ug/l	10	2.8	4
p-Isopropyltoluene	ND		ug/l	10	2.8	4
Naphthalene	ND		ug/l	10	2.8	4

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

SAMPLE RESULTS

Lab ID: L1943286-01 **D**
Client ID: MW-3
Sample Location: 39-40 30TH ST., LONG ISLAND CITY, NY

Date Collected: 09/19/19 11:30
Date Received: 09/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	10	2.8	4
1,2,3-Trichlorobenzene	ND		ug/l	10	2.8	4
1,2,4-Trichlorobenzene	ND		ug/l	10	2.8	4
1,3,5-Trimethylbenzene	ND		ug/l	10	2.8	4
1,2,4-Trimethylbenzene	ND		ug/l	10	2.8	4
1,4-Dioxane	ND		ug/l	1000	240	4
p-Diethylbenzene	ND		ug/l	8.0	2.8	4
p-Ethyltoluene	ND		ug/l	8.0	2.8	4
1,2,4,5-Tetramethylbenzene	ND		ug/l	8.0	2.2	4
Ethyl ether	ND		ug/l	10	2.8	4
trans-1,4-Dichloro-2-butene	ND		ug/l	10	2.8	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

SAMPLE RESULTS

Lab ID: L1943286-02
Client ID: MW-ADJ 3
Sample Location: 39-40 30TH ST., LONG ISLAND CITY, NY

Date Collected: 09/19/19 13:10
Date Received: 09/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/21/19 13:39
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	7.0		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

SAMPLE RESULTS

Lab ID: L1943286-02
Client ID: MW-ADJ 3
Sample Location: 39-40 30TH ST., LONG ISLAND CITY, NY

Date Collected: 09/19/19 13:10
Date Received: 09/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	2.3		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	2.0	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	2.0	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

SAMPLE RESULTS

Lab ID: L1943286-02
Client ID: MW-ADJ 3
Sample Location: 39-40 30TH ST., LONG ISLAND CITY, NY

Date Collected: 09/19/19 13:10
Date Received: 09/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	96		70-130

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

SAMPLE RESULTS

Lab ID: L1943286-03 **D**
Client ID: MW-DUP
Sample Location: 39-40 30TH ST., LONG ISLAND CITY, NY

Date Collected: 09/19/19 12:10
Date Received: 09/19/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/21/19 13:13
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	44		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
1,3-Dichloropropene, Total	ND		ug/l	2.5	0.72	5
1,1-Dichloropropene	ND		ug/l	12	3.5	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	14		ug/l	12	3.5	5

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

SAMPLE RESULTS

Lab ID: L1943286-03 **D**
Client ID: MW-DUP
Sample Location: 39-40 30TH ST., LONG ISLAND CITY, NY

Date Collected: 09/19/19 12:10
Date Received: 09/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	29		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
Xylenes, Total	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	650		ug/l	12	3.5	5
1,2-Dichloroethene, Total	660		ug/l	12	3.5	5
Dibromomethane	ND		ug/l	25	5.0	5
1,2,3-Trichloropropane	ND		ug/l	12	3.5	5
Acrylonitrile	ND		ug/l	25	7.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
Vinyl acetate	ND		ug/l	25	5.0	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
2,2-Dichloropropane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,3-Dichloropropane	ND		ug/l	12	3.5	5
1,1,1,2-Tetrachloroethane	ND		ug/l	12	3.5	5
Bromobenzene	ND		ug/l	12	3.5	5
n-Butylbenzene	ND		ug/l	12	3.5	5
sec-Butylbenzene	ND		ug/l	12	3.5	5
tert-Butylbenzene	ND		ug/l	12	3.5	5
o-Chlorotoluene	ND		ug/l	12	3.5	5
p-Chlorotoluene	ND		ug/l	12	3.5	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Hexachlorobutadiene	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
p-Isopropyltoluene	ND		ug/l	12	3.5	5
Naphthalene	ND		ug/l	12	3.5	5

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

SAMPLE RESULTS

Lab ID: L1943286-03 **D**
Client ID: MW-DUP
Sample Location: 39-40 30TH ST., LONG ISLAND CITY, NY

Date Collected: 09/19/19 12:10
Date Received: 09/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
1,3,5-Trimethylbenzene	ND		ug/l	12	3.5	5
1,2,4-Trimethylbenzene	ND		ug/l	12	3.5	5
1,4-Dioxane	ND		ug/l	1200	300	5
p-Diethylbenzene	ND		ug/l	10	3.5	5
p-Ethyltoluene	ND		ug/l	10	3.5	5
1,2,4,5-Tetramethylbenzene	ND		ug/l	10	2.7	5
Ethyl ether	ND		ug/l	12	3.5	5
trans-1,4-Dichloro-2-butene	ND		ug/l	12	3.5	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

SAMPLE RESULTS

Lab ID: L1943286-04
Client ID: TRIP BLANK
Sample Location: 39-40 30TH ST., LONG ISLAND CITY, NY

Date Collected: 09/19/19 00:00
Date Received: 09/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/21/19 12:48
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

SAMPLE RESULTS

Lab ID: L1943286-04
Client ID: TRIP BLANK
Sample Location: 39-40 30TH ST., LONG ISLAND CITY, NY

Date Collected: 09/19/19 00:00
Date Received: 09/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

SAMPLE RESULTS

Lab ID: L1943286-04
Client ID: TRIP BLANK
Sample Location: 39-40 30TH ST., LONG ISLAND CITY, NY

Date Collected: 09/19/19 00:00
Date Received: 09/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	95		70-130

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/23/19 08:59
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1287429-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/23/19 08:59
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1287429-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/19 08:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1287429-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	93		70-130

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/21/19 10:15
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04 Batch: WG1287487-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/21/19 10:15
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04 Batch: WG1287487-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/21/19 10:15
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04 Batch: WG1287487-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1287429-3 WG1287429-4								
Methylene chloride	85		88		70-130	3		20
1,1-Dichloroethane	90		92		70-130	2		20
Chloroform	86		88		70-130	2		20
Carbon tetrachloride	82		82		63-132	0		20
1,2-Dichloropropane	90		91		70-130	1		20
Dibromochloromethane	87		89		63-130	2		20
1,1,2-Trichloroethane	91		91		70-130	0		20
Tetrachloroethene	88		85		70-130	3		20
Chlorobenzene	89		88		75-130	1		20
Trichlorofluoromethane	78		81		62-150	4		20
1,2-Dichloroethane	84		87		70-130	4		20
1,1,1-Trichloroethane	84		86		67-130	2		20
Bromodichloromethane	83		86		67-130	4		20
trans-1,3-Dichloropropene	87		86		70-130	1		20
cis-1,3-Dichloropropene	85		87		70-130	2		20
1,1-Dichloropropene	88		91		70-130	3		20
Bromoform	88		85		54-136	3		20
1,1,2,2-Tetrachloroethane	92		90		67-130	2		20
Benzene	85		86		70-130	1		20
Toluene	89		88		70-130	1		20
Ethylbenzene	89		89		70-130	0		20
Chloromethane	77		80		64-130	4		20
Bromomethane	64		66		39-139	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER UNION WIRE DIE CORP SIT

Project Number: 12930

Lab Number: L1943286

Report Date: 09/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1287429-3 WG1287429-4								
Vinyl chloride	88		88		55-140	0		20
Chloroethane	84		85		55-138	1		20
1,1-Dichloroethene	85		86		61-145	1		20
trans-1,2-Dichloroethene	86		92		70-130	7		20
Trichloroethene	83		85		70-130	2		20
1,2-Dichlorobenzene	89		87		70-130	2		20
1,3-Dichlorobenzene	90		86		70-130	5		20
1,4-Dichlorobenzene	89		86		70-130	3		20
Methyl tert butyl ether	84		88		63-130	5		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	91		94		70-130	3		20
Dibromomethane	87		88		70-130	1		20
1,2,3-Trichloropropane	100		95		64-130	5		20
Acrylonitrile	97		100		70-130	3		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	80		79		36-147	1		20
Acetone	98		98		58-148	0		20
Carbon disulfide	86		87		51-130	1		20
2-Butanone	86		100		63-138	15		20
Vinyl acetate	98		100		70-130	2		20
4-Methyl-2-pentanone	92		95		59-130	3		20
2-Hexanone	90		92		57-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER UNION WIRE DIE CORP SIT

Project Number: 12930

Lab Number: L1943286

Report Date: 09/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1287429-3 WG1287429-4								
Bromochloromethane	91		94		70-130	3		20
2,2-Dichloropropane	90		88		63-133	2		20
1,2-Dibromoethane	90		88		70-130	2		20
1,3-Dichloropropane	91		91		70-130	0		20
1,1,1,2-Tetrachloroethane	86		84		64-130	2		20
Bromobenzene	89		85		70-130	5		20
n-Butylbenzene	92		88		53-136	4		20
sec-Butylbenzene	93		88		70-130	6		20
tert-Butylbenzene	93		87		70-130	7		20
o-Chlorotoluene	93		88		70-130	6		20
p-Chlorotoluene	93		88		70-130	6		20
1,2-Dibromo-3-chloropropane	92		91		41-144	1		20
Hexachlorobutadiene	86		81		63-130	6		20
Isopropylbenzene	92		86		70-130	7		20
p-Isopropyltoluene	92		87		70-130	6		20
Naphthalene	83		83		70-130	0		20
n-Propylbenzene	93		89		69-130	4		20
1,2,3-Trichlorobenzene	83		81		70-130	2		20
1,2,4-Trichlorobenzene	83		79		70-130	5		20
1,3,5-Trimethylbenzene	91		87		64-130	4		20
1,2,4-Trimethylbenzene	91		85		70-130	7		20
1,4-Dioxane	130		132		56-162	2		20
p-Diethylbenzene	90		85		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER UNION WIRE DIE CORP SIT

Project Number: 12930

Lab Number: L1943286

Report Date: 09/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1287429-3 WG1287429-4								
p-Ethyltoluene	92		88		70-130	4		20
1,2,4,5-Tetramethylbenzene	86		83		70-130	4		20
Ethyl ether	90		97		59-134	7		20
trans-1,4-Dichloro-2-butene	95		94		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		96		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	100		97		70-130
Dibromofluoromethane	95		96		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FORMER UNION WIRE DIE CORP SIT

Lab Number: L1943286

Project Number: 12930

Report Date: 09/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04 Batch: WG1287487-3 WG1287487-4								
Methylene chloride	94		90		70-130	4		20
1,1-Dichloroethane	99		97		70-130	2		20
Chloroform	97		98		70-130	1		20
Carbon tetrachloride	110		100		63-132	10		20
1,2-Dichloropropane	92		93		70-130	1		20
Dibromochloromethane	94		92		63-130	2		20
1,1,2-Trichloroethane	92		91		70-130	1		20
Tetrachloroethene	96		89		70-130	8		20
Chlorobenzene	97		93		75-130	4		20
Trichlorofluoromethane	100		99		62-150	1		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	100		95		67-130	5		20
trans-1,3-Dichloropropene	97		94		70-130	3		20
cis-1,3-Dichloropropene	98		96		70-130	2		20
1,1-Dichloropropene	100		97		70-130	3		20
Bromoform	89		89		54-136	0		20
1,1,2,2-Tetrachloroethane	90		94		67-130	4		20
Benzene	95		92		70-130	3		20
Toluene	95		91		70-130	4		20
Ethylbenzene	95		92		70-130	3		20
Chloromethane	88		85		64-130	3		20
Bromomethane	67		62		39-139	8		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FORMER UNION WIRE DIE CORP SIT

Project Number: 12930

Lab Number: L1943286

Report Date: 09/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04 Batch: WG1287487-3 WG1287487-4								
Vinyl chloride	100		92		55-140	8		20
Chloroethane	100		97		55-138	3		20
1,1-Dichloroethene	94		90		61-145	4		20
trans-1,2-Dichloroethene	96		93		70-130	3		20
Trichloroethene	98		96		70-130	2		20
1,2-Dichlorobenzene	99		96		70-130	3		20
1,3-Dichlorobenzene	100		96		70-130	4		20
1,4-Dichlorobenzene	100		97		70-130	3		20
Methyl tert butyl ether	100		99		63-130	1		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	97		91		70-130	6		20
Dibromomethane	97		96		70-130	1		20
1,2,3-Trichloropropane	100		100		64-130	0		20
Acrylonitrile	99		100		70-130	1		20
Styrene	100		95		70-130	5		20
Dichlorodifluoromethane	93		90		36-147	3		20
Acetone	94		97		58-148	3		20
Carbon disulfide	94		89		51-130	5		20
2-Butanone	110		110		63-138	0		20
Vinyl acetate	110		110		70-130	0		20
4-Methyl-2-pentanone	96		96		59-130	0		20
2-Hexanone	100		100		57-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER UNION WIRE DIE CORP SIT

Project Number: 12930

Lab Number: L1943286

Report Date: 09/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04 Batch: WG1287487-3 WG1287487-4								
Bromochloromethane	98		97		70-130	1		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	90		91		70-130	1		20
1,3-Dichloropropane	94		91		70-130	3		20
1,1,1,2-Tetrachloroethane	95		93		64-130	2		20
Bromobenzene	96		94		70-130	2		20
n-Butylbenzene	100		96		53-136	4		20
sec-Butylbenzene	100		98		70-130	2		20
tert-Butylbenzene	97		92		70-130	5		20
o-Chlorotoluene	98		94		70-130	4		20
p-Chlorotoluene	97		95		70-130	2		20
1,2-Dibromo-3-chloropropane	97		99		41-144	2		20
Hexachlorobutadiene	82		80		63-130	2		20
Isopropylbenzene	100		96		70-130	4		20
p-Isopropyltoluene	96		93		70-130	3		20
Naphthalene	100		100		70-130	0		20
n-Propylbenzene	96		93		69-130	3		20
1,2,3-Trichlorobenzene	100		96		70-130	4		20
1,2,4-Trichlorobenzene	96		93		70-130	3		20
1,3,5-Trimethylbenzene	100		96		64-130	4		20
1,2,4-Trimethylbenzene	100		97		70-130	3		20
1,4-Dioxane	98		98		56-162	0		20
p-Diethylbenzene	97		93		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER UNION WIRE DIE CORP SIT

Project Number: 12930

Lab Number: L1943286

Report Date: 09/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04 Batch: WG1287487-3 WG1287487-4								
p-Ethyltoluene	100		97		70-130	3		20
1,2,4,5-Tetramethylbenzene	96		93		70-130	3		20
Ethyl ether	92		93		59-134	1		20
trans-1,4-Dichloro-2-butene	100		97		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	115		115		70-130
Toluene-d8	95		93		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	98		98		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1287429-6 WG1287429-7 QC Sample: L1943286-01 Client ID: MW-3												
Methylene chloride	ND	40	38	95		40	100		70-130	5		20
1,1-Dichloroethane	ND	40	38	95		39	98		70-130	3		20
Chloroform	ND	40	36	90		37	92		70-130	3		20
Carbon tetrachloride	ND	40	36	90		38	95		63-132	5		20
1,2-Dichloropropane	ND	40	40	100		42	105		70-130	5		20
Dibromochloromethane	ND	40	36	90		38	95		63-130	5		20
1,1,2-Trichloroethane	ND	40	58	145	Q	59	148	Q	70-130	2		20
Tetrachloroethene	49	40	77	70		78	72		70-130	1		20
Chlorobenzene	ND	40	36	90		38	95		75-130	5		20
Trichlorofluoromethane	ND	40	36	90		35	88		62-150	3		20
1,2-Dichloroethane	ND	40	36	90		37	92		70-130	3		20
1,1,1-Trichloroethane	ND	40	36	90		38	95		67-130	5		20
Bromodichloromethane	ND	40	36	90		38	95		67-130	5		20
trans-1,3-Dichloropropene	ND	40	33	82		36	90		70-130	9		20
cis-1,3-Dichloropropene	ND	40	35	88		37	92		70-130	6		20
1,1-Dichloropropene	ND	40	38	95		39	98		70-130	3		20
Bromoform	ND	40	33	82		35	88		54-136	6		20
1,1,2,2-Tetrachloroethane	ND	40	36	90		38	95		67-130	5		20
Benzene	ND	40	37	92		38	95		70-130	3		20
Toluene	ND	40	37	92		39	98		70-130	5		20
Ethylbenzene	ND	40	36	90		38	95		70-130	5		20
Chloromethane	ND	40	37	92		41	103		64-130	10		20
Bromomethane	ND	40	32	80		34	85		39-139	6		20
Vinyl chloride	ND	40	42	105		43	108		55-140	2		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1287429-6 WG1287429-7 QC Sample: L1943286-01 Client ID: MW-3												
Chloroethane	ND	40	36	90		39	98		55-138	8		20
1,1-Dichloroethene	ND	40	39	98		41	103		61-145	5		20
trans-1,2-Dichloroethene	15	40	54	98		54	98		70-130	0		20
Trichloroethene	25	40	60	88		61	90		70-130	2		20
1,2-Dichlorobenzene	ND	40	34	85		37	92		70-130	8		20
1,3-Dichlorobenzene	ND	40	35	88		37	92		70-130	6		20
1,4-Dichlorobenzene	ND	40	34	85		36	90		70-130	6		20
Methyl tert butyl ether	ND	40	35	88		37	92		63-130	6		20
p/m-Xylene	ND	80	72	90		77	96		70-130	7		20
o-Xylene	ND	80	74	92		78	98		70-130	5		20
cis-1,2-Dichloroethene	650	40	660	25	Q	660	25	Q	70-130	0		20
Dibromomethane	ND	40	37	92		39	98		70-130	5		20
1,2,3-Trichloropropane	ND	40	39	98		41	103		64-130	5		20
Acrylonitrile	ND	40	43	108		46	115		70-130	7		20
Styrene	ND	80	71	89		78	98		70-130	9		20
Dichlorodifluoromethane	ND	40	36	90		37	92		36-147	3		20
Acetone	ND	40	43	108		48	120		58-148	11		20
Carbon disulfide	ND	40	39	98		41	103		51-130	5		20
2-Butanone	ND	40	47	118		52	130		63-138	10		20
Vinyl acetate	ND	40	40	100		42	105		70-130	5		20
4-Methyl-2-pentanone	ND	40	36	90		39	98		59-130	8		20
2-Hexanone	ND	40	37	92		39	98		57-130	5		20
Bromochloromethane	ND	40	39	98		40	100		70-130	3		20
2,2-Dichloropropane	ND	40	28	70		29	72		63-133	4		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1287429-6 WG1287429-7 QC Sample: L1943286-01 Client ID: MW-3												
1,2-Dibromoethane	ND	40	36	90		39	98		70-130	8		20
1,3-Dichloropropane	ND	40	37	92		40	100		70-130	8		20
1,1,1,2-Tetrachloroethane	ND	40	35	88		37	92		64-130	6		20
Bromobenzene	ND	40	34	85		36	90		70-130	6		20
n-Butylbenzene	ND	40	36	90		37	92		53-136	3		20
sec-Butylbenzene	4.2J	40	40	100		40	100		70-130	0		20
tert-Butylbenzene	3.2J	40	33	82		34	85		70-130	3		20
o-Chlorotoluene	ND	40	36	90		37	92		70-130	3		20
p-Chlorotoluene	ND	40	35	88		37	92		70-130	6		20
1,2-Dibromo-3-chloropropane	ND	40	33	82		34	85		41-144	3		20
Hexachlorobutadiene	ND	40	33	82		34	85		63-130	3		20
Isopropylbenzene	ND	40	36	90		37	92		70-130	3		20
p-Isopropyltoluene	ND	40	35	88		37	92		70-130	6		20
Naphthalene	ND	40	32	80		35	88		70-130	9		20
n-Propylbenzene	ND	40	36	90		37	92		69-130	3		20
1,2,3-Trichlorobenzene	ND	40	31	78		35	88		70-130	12		20
1,2,4-Trichlorobenzene	ND	40	31	78		34	85		70-130	9		20
1,3,5-Trimethylbenzene	ND	40	36	90		38	95		64-130	5		20
1,2,4-Trimethylbenzene	ND	40	34	85		36	90		70-130	6		20
1,4-Dioxane	ND	2000	2300	115		2400	120		56-162	4		20
p-Diethylbenzene	ND	40	34	85		35	88		70-130	3		20
p-Ethyltoluene	ND	40	35	88		37	92		70-130	6		20
1,2,4,5-Tetramethylbenzene	ND	40	33	82		35	88		70-130	6		20
Ethyl ether	ND	40	36	90		40	100		59-134	11		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1287429-6 WG1287429-7 QC Sample: L1943286-01 Client ID: MW-3												
trans-1,4-Dichloro-2-butene	ND	40	30	75		40	100		70-130	29	Q	20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	95		99		70-130
Toluene-d8	102		102		70-130

Project Name: FORMER UNION WIRE DIE CORP SIT**Lab Number:** L1943286**Project Number:** 12930**Report Date:** 09/24/19**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1943286-01A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L1943286-01A1	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L1943286-01A2	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L1943286-01B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L1943286-01B1	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L1943286-01B2	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L1943286-01C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L1943286-01C1	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L1943286-01C2	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L1943286-02A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L1943286-02B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L1943286-02C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L1943286-03A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L1943286-03B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L1943286-03C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L1943286-04A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L1943286-04B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 15

Published Date: 8/15/2019 9:53:42 AM

Page 1 of 1

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L19413286

Page 42 of 42



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Alpha Analytical

Laboratory Code: 11148

SDG Number: L1943286

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Table of Contents

New York ASP Category B Data Deliverable Package.....	1
Table of Contents	2
Sample ID Cross Reference	4
SDG Narrative	5
Data Qualifier Definitions	7
Instrument Information	9
Sample Log-in Sheet	12
Lims COC (LN01)	13
External Chain of Custody	14
Organics Analysis	15
GCMS 8260 Analysis	16
Volatiles QC Summary	17
Form 2 - Organics	18
Form 3 - Organics	19
Form 4 - Organics	29
Form 5 - Organics	31
Form 8 - Organics	35
MDL Study - Volatile Organics 8260	37
Volatiles Sample Data	46
Form 1 - Organics	47
TRIP BLANK (L1943286-04) Analyzed: 09/21/19 12:48	71
MW-DUP (L1943286-03D) Analyzed: 09/21/19 13:13	76
MW-ADJ 3 (L1943286-02) Analyzed: 09/21/19 13:39	90
MW-3 (L1943286-01D) Analyzed: 09/23/19 15:33	99
Volatile Standards Data	113
Initial Calibration	114
Form 6 - Organics	115
ICAL for GONZO on 09/13/19 ICAL16127	121
Initial Calibration Summary - Cal Date: 09/13/19 00:00	121
BFB TUNE Injected on: 09/13/19 01:09	125
STD.2PPB Injected on: 09/13/19 02:21	126
STD.5PPB Injected on: 09/13/19 03:11	131
STD2PPB Injected on: 09/13/19 04:02	137
STD10PPB Injected on: 09/13/19 04:27	144
STD30PPB Injected on: 09/13/19 04:53	150
STD80PPB Injected on: 09/13/19 05:19	157
STD120PPB Injected on: 09/13/19 05:44	164
STD200PPB Injected on: 09/13/19 06:10	171
ICV SUMMARY FORM Injected on: 09/13/19 08:42	178
ICV QUANT REPORT Injected on: 09/13/19 08:42	181
ICAL for VOA108 on 09/20/19 ICAL16150	188
Initial Calibration Summary - Cal Date: 09/20/19 00:00	188
BFB TUNE Injected on: 09/20/19 00:41	192
STDLO.2PPB Injected on: 09/20/19 01:48	193
STDLO.5PPB Injected on: 09/20/19 02:32	197
STD2PPB Injected on: 09/20/19 03:16	214
STD10PPB Injected on: 09/20/19 03:38	250
STD30PPB Injected on: 09/20/19 04:00	276
STD80PPB Injected on: 09/20/19 04:22	293
STD120PPB Injected on: 09/20/19 04:44	303

Table of Contents

STD200PPB Injected on: 09/20/19 05:06	310
ICV SUMMARY FORM Injected on: 09/20/19 07:39	319
ICV QUANT REPORT Injected on: 09/20/19 07:39	322
Continuing Calibration	356
Form 7 - Organics	357
CC Summary - GONZO Run: 09/21/19 08:59	363
CC Quant - GONZO Run: 09/21/19 08:59	366
CC Summary - VOA108 Run: 09/23/19 06:50	375
CC Quant - VOA108 Run: 09/23/19 06:50	378
bfb tune - Inst. GONZO 09/21/19 07:54	409
bfb tune - Inst. VOA108 09/23/19 06:13	410
Volatiles Raw QC Data	411
Laboratory Method BI (WG1287487-5) Analyzed: 09/21/19 10:15	412
Laboratory Method BI (WG1287429-5) Analyzed: 09/23/19 08:59	422
Laboratory Control S (WG1287487-3) Analyzed: 09/21/19 08:59	428
Laboratory Control S (WG1287429-3) Analyzed: 09/23/19 06:50	508
LCS Duplicate (WG1287487-4) Analyzed: 09/21/19 09:24	603
LCS Duplicate (WG1287429-4) Analyzed: 09/23/19 07:12	682
Matrix Spike (WG1287429-6) Analyzed: 09/23/19 15:54	780
Matrix Spike Duplica (WG1287429-7) Analyzed: 09/23/19 16:16	858
Volatiles Calculations	936
QC Batch WG1287429	937
QC Batch WG1287487	938
ICAL Sequence for GONZO on 13-SEP-2019 00:00 ICAL16127	939
ICAL Sequence for VOA108 on 20-SEP-2019 00:00 ICAL16150	940
Sequence Log	941

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1943286-01	MW-3	WATER	39-40 30TH ST., LONG ISLAND CITY, NY	09/19/19 11:30	09/19/19
L1943286-02	MW-ADJ 3	WATER	39-40 30TH ST., LONG ISLAND CITY, NY	09/19/19 13:10	09/19/19
L1943286-03	MW-DUP	WATER	39-40 30TH ST., LONG ISLAND CITY, NY	09/19/19 12:10	09/19/19
L1943286-04	TRIP BLANK	WATER	39-40 30TH ST., LONG ISLAND CITY, NY	09/19/19 00:00	09/19/19

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: *Melissa Sturgis*

Report Date: 09/24/19

Title: Technical Director/Representative



GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: FORMER UNION WIRE DIE CORP SIT
Project Number: 12930

Lab Number: L1943286
Report Date: 09/24/19

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers





Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD
 Trap: Supelco K Trap (VOACARB 3000)
 Concentrator: EST Encon (or equivalent)
 Autosampler: EST Centurion (or equivalent)
 Purge time: 11 min

Columns (length x ID x df):
 RTX-VMS 20m x 0.18mm x 1um
 RTX-VMS 30m x 0.25mm x 1.4um
 RTX-502.2 40m x 0.18mm x 1um

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)
 Trap: Supelco K Trap (VOACARB 3000)
 Concentrator: EST Encon (or equivalent)
 Autosampler: EST Centurion (or equivalent)

Column Type: Restek RTX 502.2
 Column Length: 105 Meters
 df: 3.00 um
 ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD
 Trap: Supelco K Trap (VOACARB 3000)
 Concentrator: Tekmar Velocity / EST Encon
 Autosampler: Varian Archon / EST Centurion
 Purge time: 11 min

Column Type: DB-VRX
 Column Length: 60 Meters
 df: 1.40 um
 ID: 0.25 mm
 Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD

Column Type: Haysep S Column
 Column Length: 2 Meters packed
 (100/200 mesh)

Autosampler: LEAP Headspace

Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200
 Autosampler: Entech 7016CA or 7016D

Column Type: Restek RTX-1
 Column Length: 60 Meters
 df: 1.00 um
 ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material

Trap 2: Tenax: manufacturer-Entech: 20 cm packing material



Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 μ L; 2 μ L LVI
Column Type: Restek RXI-5SILMS	df: 0.32 μ m
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 μ L; 2 μ L LVI
Column Type: Restek RXI-5SILMS	df: 0.25 μ m
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1 μ L
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLP Pesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1 μ L
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	



Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm



Sample Delivery Group Summary

Alpha Job Number : L1943286

Received : 19-SEP-2019

Reviewer : John Knoud

Account Name : Impact Environmental

Project Number : 12930

Project Name : FORMER UNION WIRE DIE CORP SIT

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	4.5	

Condition Information

1) All samples on COC received?	YES
2) Extra samples received?	NO
3) Are there any sample container discrepancies?	NO
4) Are there any discrepancies between sample labels & COC?	NO
5) Are samples in appropriate containers for requested analysis?	YES
6) Are samples properly preserved for requested analysis? Following containers were received with headspace: -01A	NO
7) Are samples within holding time for requested analysis?	YES
8) All sampling equipment returned?	NA

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	NO

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Sep 24 2019, 02:14 pm

Login Number: L1943286

Account: IMPENV-NJ Impact Environmental Project: 12930

Received: 19SEP19 Due Date: 24SEP19

Sample #	Client ID	Mat PR Collected
L1943286-01 MW-3		1 1C 19SEP19 11:30
L1943286-01 MS L1943286-01 MSD STD TAT 3-5 days; 1-day, 50%; 2-day, 25% ASP-B Package Due Date: 09/24/19		
ASP-B, MS/MSD, NYTCL-8260		
L1943286-02 MW-ADJ 3		1 1C 19SEP19 13:10
L1943286-01 MS L1943286-01 MSD STD TAT 3-5 days; 1-day, 50%; 2-day, 25% Package Due Date: 09/24/19		
NYTCL-8260		
L1943286-03 MW-DUP		1 1C 19SEP19 12:10
L1943286-01 MS L1943286-01 MSD STD TAT 3-5 days; 1-day, 50%; 2-day, 25% Package Due Date: 09/24/19		
NYTCL-8260		
L1943286-04 TRIP BLANK		1 1C 19SEP19 00:00
L1943286-01 MS L1943286-01 MSD STD TAT 3-5 days; 1-day, 50%; 2-day, 25% Package Due Date: 09/24/19		
NYTCL-8260		

Page 1

Logged By: Tom Tanico

		NEW JERSEY CHAIN OF CUSTODY		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page <u>1</u> of <u>1</u>		Date Rec'd in Lab <u>9/20/19</u>		ALPHA Job # <u>L19413286</u>			
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: <u>Former Union Wire Die Corp Site</u> Project Location: <u>39-40 30th St, Long Island City, NY</u> Project # <u>12930</u> (Use Project name as Project #) ☐ Project Manager: <u>Rob Dwyer</u> ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:				Deliverables ☐ NJ Full / Reduced ☐ EQuIS (1 File) ☐ EQuIS (4 File) ☒ Other <u>CAT. B</u>				Billing Information ☐ Same as Client Info PO #	
Client Information Client: <u>Impact Environmental</u> Address: <u>1000 Page Ave</u> <u>Lyndhurst, NJ 07071</u> Phone: <u>201-258-5686</u> Fax: Email: <u>rdwyer@impactenvironmental.com</u>		Site Information Is this site impacted by Petroleum? Yes ☐ Petroleum Product:				Regulatory Requirement ☐ SRS Residential/Non Residential ☐ SRS Impact to Groundwater ☐ NJ Ground Water Quality Standards ☐ NJ IGW SPLP Leachate Criteria ☐ Other							
For EPH, selection is REQUIRED: ☐ Category 1 ☐ Category 2		For VOC, selection is REQUIRED: ☐ 1,4-Dioxane ☐ 8011		Other project specific requirements/comments: <u>Run MS & MSD on MW3-MS &</u> <u>MW3-MSD respectively</u> Please specify Metals or TAL.				ANALYSIS TCL VOCs - 8260					
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials		Sample Filtration ☐ Done ☐ Lab to do ☐ Lab to do (Please Specify below)			
<u>93286 - 01</u>		<u>MW-3</u>		<u>09/19/19 11:30</u>		<u>GW</u>		<u>GM</u>		☐			
<u>02</u>		<u>MW- Adj 3</u>		<u>09/19/19 13:10</u>		<u>GW</u>		<u>GM</u>		☐			
<u>01</u>		<u>MW-3-MS</u>		<u>09/19/19 11:40</u>		<u>GW</u>		<u>GM</u>		☐			
<u>01</u>		<u>MW-3-MS Dup</u>		<u>09/19/19 11:50</u>		<u>GW</u>		<u>GM</u>		☐			
<u>03</u>		<u>MW- Dup</u>		<u>09/19/19 12:10</u>		<u>GW</u>		<u>GM</u>		☐			
<u>04</u>		<u>Trip Blank</u>		<u>09/11/19 -</u>		<u>AQ</u>		<u>-</u>		☐			
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type <u>V</u>		Preservative <u>B</u>		Sample Specific Comments			
Relinquished By: <u>Rob Dwyer</u>		Date/Time <u>09/19/19 11:20</u>		Received By: <u>[Signature]</u>		Date/Time <u>09/19/19 11:20</u>		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)					
Form No: 01-14 HC (rev. 30-Sept-2013)													

Organics

GC/MS 8260

Analysis

Volatiles QC Summary

Surrogate Recovery Summary

Form 2

Volatiles

Client: Impact Environmental
Project Name: FORMER UNION WIRE DIE CORP SIT

Lab Number: L1943286
Project Number: 12930
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW-3 (L1943286-01D)	100	105	102	97	0
MW-ADJ 3 (L1943286-02)	113	94	95	96	0
MW-DUP (L1943286-03D)	111	96	97	97	0
TRIP BLANK (L1943286-04)	112	94	95	95	0
WG1287429-3LCS	95	102	100	95	0
WG1287429-4LCSD	96	101	97	96	0
WG1287429-5BLANK	100	104	106	93	0
MW-3MS	98	102	98	95	0
MW-3MSD	98	102	99	99	0
WG1287487-3LCS	115	95	95	98	0
WG1287487-4LCSD	115	93	95	98	0
WG1287487-5BLANK	110	94	94	98	0

QC LIMITS

(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

* Values outside of QC limits

FORM II NYTCL-8260



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Impact Environmental Lab Number : L1943286
 Project Name : FORMER UNION WIRE DIE CORP SIT Project Number : 12930
 Matrix : WATER
 LCS Sample ID : WG1287429-3 Analysis Date : 09/23/19 06:50 File ID : V08190923A02
 LCSD Sample ID : WG1287429-4 Analysis Date : 09/23/19 07:12 File ID : V08190923A03

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Methylene chloride	10	8.5	85	10	8.8	88	3	70-130	20
1,1-Dichloroethane	10	9.0	90	10	9.2	92	2	70-130	20
Chloroform	10	8.6	86	10	8.8	88	2	70-130	20
Carbon tetrachloride	10	8.2	82	10	8.2	82	0	63-132	20
1,2-Dichloropropane	10	9.0	90	10	9.1	91	1	70-130	20
Dibromochloromethane	10	8.7	87	10	8.9	89	2	63-130	20
1,1,2-Trichloroethane	10	9.1	91	10	9.1	91	0	70-130	20
Tetrachloroethene	10	8.8	88	10	8.5	85	3	70-130	20
Chlorobenzene	10	8.9	89	10	8.8	88	1	75-130	20
Trichlorofluoromethane	10	7.8	78	10	8.1	81	4	62-150	20
1,2-Dichloroethane	10	8.4	84	10	8.7	87	4	70-130	20
1,1,1-Trichloroethane	10	8.4	84	10	8.6	86	2	67-130	20
Bromodichloromethane	10	8.3	83	10	8.6	86	4	67-130	20
trans-1,3-Dichloropropene	10	8.7	87	10	8.6	86	1	70-130	20
cis-1,3-Dichloropropene	10	8.5	85	10	8.7	87	2	70-130	20
1,1-Dichloropropene	10	8.8	88	10	9.1	91	3	70-130	20
Bromoform	10	8.8	88	10	8.5	85	3	54-136	20
1,1,2,2-Tetrachloroethane	10	9.2	92	10	9.0	90	2	67-130	20
Benzene	10	8.5	85	10	8.6	86	1	70-130	20
Toluene	10	8.9	89	10	8.8	88	1	70-130	20
Ethylbenzene	10	8.9	89	10	8.9	89	0	70-130	20
Chloromethane	10	7.7	77	10	8.0	80	4	64-130	20
Bromomethane	10	6.4	64	10	6.6	66	3	39-139	20
Vinyl chloride	10	8.8	88	10	8.8	88	0	55-140	20
Chloroethane	10	8.4	84	10	8.5	85	1	55-138	20
1,1-Dichloroethene	10	8.5	85	10	8.6	86	1	61-145	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Impact Environmental Lab Number : L1943286
 Project Name : FORMER UNION WIRE DIE CORP SIT Project Number : 12930
 Matrix : WATER
 LCS Sample ID : WG1287429-3 Analysis Date : 09/23/19 06:50 File ID : V08190923A02
 LCSD Sample ID : WG1287429-4 Analysis Date : 09/23/19 07:12 File ID : V08190923A03

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
trans-1,2-Dichloroethene	10	8.6	86	10	9.2	92	7	70-130	20
Trichloroethene	10	8.3	83	10	8.5	85	2	70-130	20
1,2-Dichlorobenzene	10	8.9	89	10	8.7	87	2	70-130	20
1,3-Dichlorobenzene	10	9.0	90	10	8.6	86	5	70-130	20
1,4-Dichlorobenzene	10	8.9	89	10	8.6	86	3	70-130	20
Methyl tert butyl ether	10	8.4	84	10	8.8	88	5	63-130	20
p/m-Xylene	20	18	90	20	18	90	0	70-130	20
o-Xylene	20	18	90	20	18	90	0	70-130	20
cis-1,2-Dichloroethene	10	9.1	91	10	9.4	94	3	70-130	20
Dibromomethane	10	8.7	87	10	8.8	88	1	70-130	20
1,2,3-Trichloropropane	10	10	100	10	9.5	95	5	64-130	20
Acrylonitrile	10	9.7	97	10	10	100	3	70-130	20
Styrene	20	18	90	20	18	90	0	70-130	20
Dichlorodifluoromethane	10	8.0	80	10	7.9	79	1	36-147	20
Acetone	10	9.8	98	10	9.8	98	0	58-148	20
Carbon disulfide	10	8.6	86	10	8.7	87	1	51-130	20
2-Butanone	10	8.6	86	10	10	100	15	63-138	20
Vinyl acetate	10	9.8	98	10	10	100	2	70-130	20
4-Methyl-2-pentanone	10	9.2	92	10	9.5	95	3	59-130	20
2-Hexanone	10	9.0	90	10	9.2	92	2	57-130	20
Bromochloromethane	10	9.1	91	10	9.4	94	3	70-130	20
2,2-Dichloropropane	10	9.0	90	10	8.8	88	2	63-133	20
1,2-Dibromoethane	10	9.0	90	10	8.8	88	2	70-130	20
1,3-Dichloropropane	10	9.1	91	10	9.1	91	0	70-130	20
1,1,1,2-Tetrachloroethane	10	8.6	86	10	8.4	84	2	64-130	20
Bromobenzene	10	8.9	89	10	8.5	85	5	70-130	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Impact Environmental Lab Number : L1943286
 Project Name : FORMER UNION WIRE DIE CORP SIT Project Number : 12930
 Matrix : WATER
 LCS Sample ID : WG1287429-3 Analysis Date : 09/23/19 06:50 File ID : V08190923A02
 LCSD Sample ID : WG1287429-4 Analysis Date : 09/23/19 07:12 File ID : V08190923A03

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
n-Butylbenzene	10	9.2	92	10	8.8	88	4	53-136	20
sec-Butylbenzene	10	9.3	93	10	8.8	88	6	70-130	20
tert-Butylbenzene	10	9.3	93	10	8.7	87	7	70-130	20
o-Chlorotoluene	10	9.3	93	10	8.8	88	6	70-130	20
p-Chlorotoluene	10	9.3	93	10	8.8	88	6	70-130	20
1,2-Dibromo-3-chloropropane	10	9.2	92	10	9.1	91	1	41-144	20
Hexachlorobutadiene	10	8.6	86	10	8.1	81	6	63-130	20
Isopropylbenzene	10	9.2	92	10	8.6	86	7	70-130	20
p-Isopropyltoluene	10	9.2	92	10	8.7	87	6	70-130	20
Naphthalene	10	8.3	83	10	8.3	83	0	70-130	20
n-Propylbenzene	10	9.3	93	10	8.9	89	4	69-130	20
1,2,3-Trichlorobenzene	10	8.3	83	10	8.1	81	2	70-130	20
1,2,4-Trichlorobenzene	10	8.3	83	10	7.9	79	5	70-130	20
1,3,5-Trimethylbenzene	10	9.1	91	10	8.7	87	4	64-130	20
1,2,4-Trimethylbenzene	10	9.1	91	10	8.5	85	7	70-130	20
1,4-Dioxane	500	650	130	500	660	132	2	56-162	20
p-Diethylbenzene	10	9.0	90	10	8.5	85	6	70-130	20
p-Ethyltoluene	10	9.2	92	10	8.8	88	4	70-130	20
1,2,4,5-Tetramethylbenzene	10	8.6	86	10	8.3	83	4	70-130	20
Ethyl ether	10	9.0	90	10	9.7	97	7	59-134	20
trans-1,4-Dichloro-2-butene	10	9.5	95	10	9.4	94	1	70-130	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Impact Environmental Lab Number : L1943286
 Project Name : FORMER UNION WIRE DIE CORP SIT Project Number : 12930
 Matrix : WATER
 LCS Sample ID : WG1287487-3 Analysis Date : 09/21/19 08:59 File ID : VG190921A03
 LCSD Sample ID : WG1287487-4 Analysis Date : 09/21/19 09:24 File ID : VG190921A04

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Methylene chloride	10	9.4	94	10	9.0	90	4	70-130	20
1,1-Dichloroethane	10	9.9	99	10	9.7	97	2	70-130	20
Chloroform	10	9.7	97	10	9.8	98	1	70-130	20
Carbon tetrachloride	10	11	110	10	10	100	10	63-132	20
1,2-Dichloropropane	10	9.2	92	10	9.3	93	1	70-130	20
Dibromochloromethane	10	9.4	94	10	9.2	92	2	63-130	20
1,1,2-Trichloroethane	10	9.2	92	10	9.1	91	1	70-130	20
Tetrachloroethene	10	9.6	96	10	8.9	89	8	70-130	20
Chlorobenzene	10	9.7	97	10	9.3	93	4	75-130	20
Trichlorofluoromethane	10	10	100	10	9.9	99	1	62-150	20
1,2-Dichloroethane	10	11	110	10	11	110	0	70-130	20
1,1,1-Trichloroethane	10	10	100	10	10	100	0	67-130	20
Bromodichloromethane	10	10	100	10	9.5	95	5	67-130	20
trans-1,3-Dichloropropene	10	9.7	97	10	9.4	94	3	70-130	20
cis-1,3-Dichloropropene	10	9.8	98	10	9.6	96	2	70-130	20
1,1-Dichloropropene	10	10	100	10	9.7	97	3	70-130	20
Bromoform	10	8.9	89	10	8.9	89	0	54-136	20
1,1,2,2-Tetrachloroethane	10	9.0	90	10	9.4	94	4	67-130	20
Benzene	10	9.5	95	10	9.2	92	3	70-130	20
Toluene	10	9.5	95	10	9.1	91	4	70-130	20
Ethylbenzene	10	9.5	95	10	9.2	92	3	70-130	20
Chloromethane	10	8.8	88	10	8.5	85	3	64-130	20
Bromomethane	10	6.7	67	10	6.2	62	8	39-139	20
Vinyl chloride	10	10	100	10	9.2	92	8	55-140	20
Chloroethane	10	10	100	10	9.7	97	3	55-138	20
1,1-Dichloroethene	10	9.4	94	10	9.0	90	4	61-145	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Impact Environmental Lab Number : L1943286
 Project Name : FORMER UNION WIRE DIE CORP SIT Project Number : 12930
 Matrix : WATER
 LCS Sample ID : WG1287487-3 Analysis Date : 09/21/19 08:59 File ID : VG190921A03
 LCSD Sample ID : WG1287487-4 Analysis Date : 09/21/19 09:24 File ID : VG190921A04

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
trans-1,2-Dichloroethene	10	9.6	96	10	9.3	93	3	70-130	20
Trichloroethene	10	9.8	98	10	9.6	96	2	70-130	20
1,2-Dichlorobenzene	10	9.9	99	10	9.6	96	3	70-130	20
1,3-Dichlorobenzene	10	10	100	10	9.6	96	4	70-130	20
1,4-Dichlorobenzene	10	10	100	10	9.7	97	3	70-130	20
Methyl tert butyl ether	10	10	100	10	9.9	99	1	63-130	20
p/m-Xylene	20	20	100	20	19	95	5	70-130	20
o-Xylene	20	19	95	20	19	95	0	70-130	20
cis-1,2-Dichloroethene	10	9.7	97	10	9.1	91	6	70-130	20
Dibromomethane	10	9.7	97	10	9.6	96	1	70-130	20
1,2,3-Trichloropropane	10	10	100	10	10	100	0	64-130	20
Acrylonitrile	10	9.9	99	10	10	100	1	70-130	20
Styrene	20	20	100	20	19	95	5	70-130	20
Dichlorodifluoromethane	10	9.3	93	10	9.0	90	3	36-147	20
Acetone	10	9.4	94	10	9.7	97	3	58-148	20
Carbon disulfide	10	9.4	94	10	8.9	89	5	51-130	20
2-Butanone	10	11	110	10	11	110	0	63-138	20
Vinyl acetate	10	11	110	10	11	110	0	70-130	20
4-Methyl-2-pentanone	10	9.6	96	10	9.6	96	0	59-130	20
2-Hexanone	10	10	100	10	10	100	0	57-130	20
Bromochloromethane	10	9.8	98	10	9.7	97	1	70-130	20
2,2-Dichloropropane	10	11	110	10	11	110	0	63-133	20
1,2-Dibromoethane	10	9.0	90	10	9.1	91	1	70-130	20
1,3-Dichloropropane	10	9.4	94	10	9.1	91	3	70-130	20
1,1,1,2-Tetrachloroethane	10	9.5	95	10	9.3	93	2	64-130	20
Bromobenzene	10	9.6	96	10	9.4	94	2	70-130	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Impact Environmental Lab Number : L1943286
 Project Name : FORMER UNION WIRE DIE CORP SIT Project Number : 12930
 Matrix : WATER
 LCS Sample ID : WG1287487-3 Analysis Date : 09/21/19 08:59 File ID : VG190921A03
 LCSD Sample ID : WG1287487-4 Analysis Date : 09/21/19 09:24 File ID : VG190921A04

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
n-Butylbenzene	10	10	100	10	9.6	96	4	53-136	20
sec-Butylbenzene	10	10	100	10	9.8	98	2	70-130	20
tert-Butylbenzene	10	9.7	97	10	9.2	92	5	70-130	20
o-Chlorotoluene	10	9.8	98	10	9.4	94	4	70-130	20
p-Chlorotoluene	10	9.7	97	10	9.5	95	2	70-130	20
1,2-Dibromo-3-chloropropane	10	9.7	97	10	9.9	99	2	41-144	20
Hexachlorobutadiene	10	8.2	82	10	8.0	80	2	63-130	20
Isopropylbenzene	10	10	100	10	9.6	96	4	70-130	20
p-Isopropyltoluene	10	9.6	96	10	9.3	93	3	70-130	20
Naphthalene	10	10	100	10	10	100	0	70-130	20
n-Propylbenzene	10	9.6	96	10	9.3	93	3	69-130	20
1,2,3-Trichlorobenzene	10	10	100	10	9.6	96	4	70-130	20
1,2,4-Trichlorobenzene	10	9.6	96	10	9.3	93	3	70-130	20
1,3,5-Trimethylbenzene	10	10	100	10	9.6	96	4	64-130	20
1,2,4-Trimethylbenzene	10	10	100	10	9.7	97	3	70-130	20
1,4-Dioxane	500	490	98	500	490	98	0	56-162	20
p-Diethylbenzene	10	9.7	97	10	9.3	93	4	70-130	20
p-Ethyltoluene	10	10	100	10	9.7	97	3	70-130	20
1,2,4,5-Tetramethylbenzene	10	9.6	96	10	9.3	93	3	70-130	20
Ethyl ether	10	9.2	92	10	9.3	93	1	59-134	20
trans-1,4-Dichloro-2-butene	10	10	100	10	9.7	97	3	70-130	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Client Sample ID : MW-3
 Lab Sample ID : L1943286-01
 Matrix Spike : WG1287429-6
 Matrix Spike Dup : WG1287429-7

Lab Number : L1943286
 Project Number : 12930
 Matrix : WATER
 Analysis Date : 09/23/19 15:33
 MS Analysis Date : 09/23/19 15:54
 MSD Analysis Date : 09/23/19 16:16

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Methylene chloride	ND	40	38	95	40	40	100	5	70-130	20
1,1-Dichloroethane	ND	40	38	95	40	39	98	3	70-130	20
Chloroform	ND	40	36	90	40	37	92	3	70-130	20
Carbon tetrachloride	ND	40	36	90	40	38	95	5	63-132	20
1,2-Dichloropropane	ND	40	40	100	40	42	105	5	70-130	20
Dibromochloromethane	ND	40	36	90	40	38	95	5	63-130	20
1,1,2-Trichloroethane	ND	40	58	145 Q	40	59	148 Q	2	70-130	20
Tetrachloroethene	49	40	77	70	40	78	72	1	70-130	20
Chlorobenzene	ND	40	36	90	40	38	95	5	75-130	20
Trichlorofluoromethane	ND	40	36	90	40	35	88	3	62-150	20
1,2-Dichloroethane	ND	40	36	90	40	37	92	3	70-130	20
1,1,1-Trichloroethane	ND	40	36	90	40	38	95	5	67-130	20
Bromodichloromethane	ND	40	36	90	40	38	95	5	67-130	20
trans-1,3-Dichloropropene	ND	40	33	82	40	36	90	9	70-130	20
cis-1,3-Dichloropropene	ND	40	35	88	40	37	92	6	70-130	20
1,1-Dichloropropene	ND	40	38	95	40	39	98	3	70-130	20
Bromoform	ND	40	33	82	40	35	88	6	54-136	20
1,1,2,2-Tetrachloroethane	ND	40	36	90	40	38	95	5	67-130	20
Benzene	ND	40	37	92	40	38	95	3	70-130	20
Toluene	ND	40	37	92	40	39	98	5	70-130	20
Ethylbenzene	ND	40	36	90	40	38	95	5	70-130	20
Chloromethane	ND	40	37	92	40	41	103	10	64-130	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Client Sample ID : MW-3
 Lab Sample ID : L1943286-01
 Matrix Spike : WG1287429-6
 Matrix Spike Dup : WG1287429-7

Lab Number : L1943286
 Project Number : 12930
 Matrix : WATER
 Analysis Date : 09/23/19 15:33
 MS Analysis Date : 09/23/19 15:54
 MSD Analysis Date : 09/23/19 16:16

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Bromomethane	ND	40	32	80	40	34	85	6	39-139	20
Vinyl chloride	ND	40	42	105	40	43	108	2	55-140	20
Chloroethane	ND	40	36	90	40	39	98	8	55-138	20
1,1-Dichloroethene	ND	40	39	98	40	41	103	5	61-145	20
trans-1,2-Dichloroethene	15	40	54	98	40	54	98	0	70-130	20
Trichloroethene	25	40	60	88	40	61	90	2	70-130	20
1,2-Dichlorobenzene	ND	40	34	85	40	37	92	8	70-130	20
1,3-Dichlorobenzene	ND	40	35	88	40	37	92	6	70-130	20
1,4-Dichlorobenzene	ND	40	34	85	40	36	90	6	70-130	20
Methyl tert butyl ether	ND	40	35	88	40	37	92	6	63-130	20
p/m-Xylene	ND	80	72	90	80	77	96	7	70-130	20
o-Xylene	ND	80	74	92	80	78	98	5	70-130	20
cis-1,2-Dichloroethene	650	40	660	25 Q	40	660	25 Q	0	70-130	20
Dibromomethane	ND	40	37	92	40	39	98	5	70-130	20
1,2,3-Trichloropropane	ND	40	39	98	40	41	103	5	64-130	20
Acrylonitrile	ND	40	43	108	40	46	115	7	70-130	20
Styrene	ND	80	71	89	80	78	98	9	70-130	20
Dichlorodifluoromethane	ND	40	36	90	40	37	92	3	36-147	20
Acetone	ND	40	43	108	40	48	120	11	58-148	20
Carbon disulfide	ND	40	39	98	40	41	103	5	51-130	20
2-Butanone	ND	40	47	118	40	52	130	10	63-138	20
Vinyl acetate	ND	40	40	100	40	42	105	5	70-130	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Client Sample ID : MW-3
 Lab Sample ID : L1943286-01
 Matrix Spike : WG1287429-6
 Matrix Spike Dup : WG1287429-7

Lab Number : L1943286
 Project Number : 12930
 Matrix : WATER
 Analysis Date : 09/23/19 15:33
 MS Analysis Date : 09/23/19 15:54
 MSD Analysis Date : 09/23/19 16:16

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
4-Methyl-2-pentanone	ND	40	36	90	40	39	98	8	59-130	20
2-Hexanone	ND	40	37	92	40	39	98	5	57-130	20
Bromochloromethane	ND	40	39	98	40	40	100	3	70-130	20
2,2-Dichloropropane	ND	40	28	70	40	29	72	4	63-133	20
1,2-Dibromoethane	ND	40	36	90	40	39	98	8	70-130	20
1,3-Dichloropropane	ND	40	37	92	40	40	100	8	70-130	20
1,1,1,2-Tetrachloroethane	ND	40	35	88	40	37	92	6	64-130	20
Bromobenzene	ND	40	34	85	40	36	90	6	70-130	20
n-Butylbenzene	ND	40	36	90	40	37	92	3	53-136	20
sec-Butylbenzene	4.2J	40	40	100	40	40	100	0	70-130	20
tert-Butylbenzene	3.2J	40	33	82	40	34	85	3	70-130	20
o-Chlorotoluene	ND	40	36	90	40	37	92	3	70-130	20
p-Chlorotoluene	ND	40	35	88	40	37	92	6	70-130	20
1,2-Dibromo-3-chloropropane	ND	40	33	82	40	34	85	3	41-144	20
Hexachlorobutadiene	ND	40	33	82	40	34	85	3	63-130	20
Isopropylbenzene	ND	40	36	90	40	37	92	3	70-130	20
p-Isopropyltoluene	ND	40	35	88	40	37	92	6	70-130	20
Naphthalene	ND	40	32	80	40	35	88	9	70-130	20
n-Propylbenzene	ND	40	36	90	40	37	92	3	69-130	20
1,2,3-Trichlorobenzene	ND	40	31	78	40	35	88	12	70-130	20
1,2,4-Trichlorobenzene	ND	40	31	78	40	34	85	9	70-130	20
1,3,5-Trimethylbenzene	ND	40	36	90	40	38	95	5	64-130	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Client Sample ID : MW-3
 Lab Sample ID : L1943286-01
 Matrix Spike : WG1287429-6
 Matrix Spike Dup : WG1287429-7

Lab Number : L1943286
 Project Number : 12930
 Matrix : WATER
 Analysis Date : 09/23/19 15:33
 MS Analysis Date : 09/23/19 15:54
 MSD Analysis Date : 09/23/19 16:16

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
1,2,4-Trimethylbenzene	ND	40	34	85	40	36	90	6	70-130	20
1,4-Dioxane	ND	2000	2300	115	2000	2400	120	4	56-162	20
p-Diethylbenzene	ND	40	34	85	40	35	88	3	70-130	20
p-Ethyltoluene	ND	40	35	88	40	37	92	6	70-130	20
1,2,4,5-Tetramethylbenzene	ND	40	33	82	40	35	88	6	70-130	20
Ethyl ether	ND	40	36	90	40	40	100	11	59-134	20
trans-1,4-Dichloro-2-butene	ND	40	30	75	40	40	100	29 Q	70-130	20



**Method Blank Summary
Form 4
Volatiles**

Client	: Impact Environmental	Lab Number	: L1943286
Project Name	: FORMER UNION WIRE DIE CORP SIT	Project Number	: 12930
Lab Sample ID	: WG1287487-5	Lab File ID	: VG190921A06
Instrument ID	: GONZO		
Matrix	: WATER	Analysis Date	: 09/21/19 10:15

Client Sample No.	Lab Sample ID	Analysis Date
WG1287487-3LCS	WG1287487-3	09/21/19 08:59
WG1287487-4LCSD	WG1287487-4	09/21/19 09:24
TRIP BLANK	L1943286-04	09/21/19 12:48
MW-DUP	L1943286-03D	09/21/19 13:13
MW-ADJ 3	L1943286-02	09/21/19 13:39

**Method Blank Summary
Form 4
Volatiles**

Client	: Impact Environmental	Lab Number	: L1943286
Project Name	: FORMER UNION WIRE DIE CORP SIT	Project Number	: 12930
Lab Sample ID	: WG1287429-5	Lab File ID	: V08190923A05
Instrument ID	: VOA108		
Matrix	: WATER	Analysis Date	: 09/23/19 08:59

Client Sample No.	Lab Sample ID	Analysis Date
WG1287429-3LCS	WG1287429-3	09/23/19 06:50
WG1287429-4LCSD	WG1287429-4	09/23/19 07:12
MW-3	L1943286-01D	09/23/19 15:33
MW-3MS	WG1287429-6	09/23/19 15:54
MW-3MSD	WG1287429-7	09/23/19 16:16

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client : Impact Environmental	Lab Number : L1943286
Project Name : FORMER UNION WIRE DIE CORP SIT	Project Number : 12930
Instrument ID : GONZO	Analysis Date : 09/13/19 01:09
Tune Standard : WG1283852-1	Tune File ID : VG190913A01_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.1
75	30.0 - 60.0% of mass 95	50.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	5.8
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	94.9
175	5.0 - 9.0% of mass 174	7.6 (8)1
176	95.0 - 101% of mass 174	91.6 (96.5)1
177	5.0 - 9.0% of mass 176	6.2 (6.8)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD.2PPB	R1230599-1	VG190913A04	09/13/19 02:21
STD.5PPB	R1230599-2	VG190913A06	09/13/19 03:11
STD2PPB	R1230599-3	VG190913A08	09/13/19 04:02
STD10PPB	R1230599-4	VG190913A09	09/13/19 04:27
STD30PPB	R1230599-6	VG190913A10	09/13/19 04:53
STD80PPB	R1230599-5	VG190913A11	09/13/19 05:19
STD120PPB	R1230599-7	VG190913A12	09/13/19 05:44
STD200PPB	R1230599-8	VG190913A13	09/13/19 06:10
ICV QUANT REPORT	R1230599-9	VG190913A19	09/13/19 08:42

Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client	: Impact Environmental	Lab Number	: L1943286
Project Name	: FORMER UNION WIRE DIE CORP SIT	Project Number	: 12930
Instrument ID	: GONZO	Analysis Date	: 09/21/19 07:54
Tune Standard	: WG1287487-1	Tune File ID	: VG190921ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	22.2
75	30.0 - 60.0% of mass 95	52.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	93
175	5.0 - 9.0% of mass 174	7 (7.5)1
176	95.0 - 101% of mass 174	91.1 (97.9)1
177	5.0 - 9.0% of mass 176	6 (6.6)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1287487-2CCAL	WG1287487-2	VG190921A03	09/21/19 08:59
WG1287487-3LCS	WG1287487-3	VG190921A03	09/21/19 08:59
WG1287487-4LCSD	WG1287487-4	VG190921A04	09/21/19 09:24
WG1287487-5BLANK	WG1287487-5	VG190921A06	09/21/19 10:15
TRIP BLANK	L1943286-04	VG190921A12	09/21/19 12:48
MW-DUP	L1943286-03D	VG190921A13	09/21/19 13:13
MW-ADJ 3	L1943286-02	VG190921A14	09/21/19 13:39



Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client	: Impact Environmental	Lab Number	: L1943286
Project Name	: FORMER UNION WIRE DIE CORP SIT	Project Number	: 12930
Instrument ID	: VOA108	Analysis Date	: 09/20/19 00:41
Tune Standard	: WG1286620-1	Tune File ID	: V08190919A01_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	22.9
75	30.0 - 60.0% of mass 95	52.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.6 (.8)1
174	Greater than 50.0 of mass 95	75.5
175	5.0 - 9.0% of mass 174	5.3 (7.1)1
176	95.0 - 101% of mass 174	74.1 (98.1)1
177	5.0 - 9.0% of mass 176	5.3 (7.1)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.2PPB	R1233260-1	V08190919A04	09/20/19 01:48
STD0.5PPB	R1233260-2	V08190919A06	09/20/19 02:32
STD2PPB	R1233260-3	V08190919A08	09/20/19 03:16
STD10PPB	R1233260-4	V08190919A09	09/20/19 03:38
STD30PPB	R1233260-5	V08190919A10	09/20/19 04:00
STD80PPB	R1233260-6	V08190919A11	09/20/19 04:22
STD120PPB	R1233260-7	V08190919A12	09/20/19 04:44
STD200PPB	R1233260-8	V08190919A13	09/20/19 05:06
ICV QUANT REPORT	R1233260-9	V08190919A20	09/20/19 07:39

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client : Impact Environmental	Lab Number : L1943286
Project Name : FORMER UNION WIRE DIE CORP SIT	Project Number : 12930
Instrument ID : VOA108	Analysis Date : 09/23/19 06:13
Tune Standard : WG1287429-1	Tune File ID : V08190923ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	22.2
75	30.0 - 60.0% of mass 95	50.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (1)1
174	Greater than 50.0 of mass 95	75.9
175	5.0 - 9.0% of mass 174	5.8 (7.7)1
176	95.0 - 101% of mass 174	72.6 (95.7)1
177	5.0 - 9.0% of mass 176	4.8 (6.7)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1287429-2CCAL	WG1287429-2	V08190923A02	09/23/19 06:50
WG1287429-3LCS	WG1287429-3	V08190923A02	09/23/19 06:50
WG1287429-4LCSD	WG1287429-4	V08190923A03	09/23/19 07:12
WG1287429-5BLANK	WG1287429-5	V08190923A05	09/23/19 08:59
MW-3	L1943286-01D	V08190923A23	09/23/19 15:33
WG1287429-6MS	WG1287429-6	V08190923A24	09/23/19 15:54
WG1287429-7MSD	WG1287429-7	V08190923A25	09/23/19 16:16

Internal Standard Area and RT Summary

Form 8a

Volatiles

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Instrument ID : GONZO
 Sample No : WG1287487-2

Lab Number : L1943286
 Project Number : 12930
 Analysis Date : 09/21/19 08:59
 Lab File ID : VG190921A03

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1287487-2	315591	6.49	245301	10.07	143167	12.66
Upper Limit	631182	6.99	490602	10.57	286334	13.16
Lower Limit	157796	5.99	122651	9.57	71584	12.16
Sample ID						
WG1287487-3 LCS	315591	6.49	245301	10.07	143167	12.66
WG1287487-4 LCSD	318442	6.49	249747	10.07	143583	12.66
WG1287487-5 BLANK	302163	6.49	234773	10.07	130578	12.66
TRIP BLANK	292569	6.50	225089	10.07	122927	12.66
MW-DUP	288270	6.50	222870	10.07	121696	12.66
MW-ADJ 3	283498	6.49	219045	10.07	118998	12.66

Area Upper Limit = +100% 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



Internal Standard Area and RT Summary

Form 8a

Volatiles

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Instrument ID : VOA108
 Sample No : WG1287429-2

Lab Number : L1943286
 Project Number : 12930
 Analysis Date : 09/23/19 06:50
 Lab File ID : V08190923A02

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1287429-2	177933	5.51	123701	8.50	59279	9.99
Upper Limit	355866	6.01	247402	9.00	118558	10.49
Lower Limit	88967	5.01	61851	8.00	29640	9.49
Sample ID						
WG1287429-3 LCS	177933	5.51	123701	8.50	59279	9.99
WG1287429-4 LCSD	172992	5.51	124907	8.50	62206	9.99
WG1287429-5 BLANK	168577	5.51	112729	8.50	46590	9.99
MW-3	162969	5.51	110952	8.50	49956	9.99
MW-3 MS	164610	5.51	119969	8.50	59048	9.99
MW-3 MSD	168111	5.51	119752	8.50	60010	9.99

Area Upper Limit = +100% 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





Date Created: 06/19/18
Created By: Jason Hebert
File: PM5049-1
Page: 1

Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	3	0.678	ug/l	70-130	20	70-130	20	20			
1,1-Dichloroethane	75-34-3	0.75	0.210	ug/l	70-130	20	70-130	20	20			
Chloroform	67-66-3	0.75	0.222	ug/l	70-130	20	70-130	20	20			
Carbon tetrachloride	56-23-5	0.5	0.134	ug/l	63-132	20	63-132	20	20			
1,2-Dichloropropane	78-87-5	1.75	0.137	ug/l	70-130	20	70-130	20	20			
Dibromochloromethane	124-48-1	0.5	0.149	ug/l	63-130	20	63-130	20	20			
1,1,2-Trichloroethane	79-00-5	0.75	0.144	ug/l	70-130	20	70-130	20	20			
Tetrachloroethene	127-18-4	0.5	0.181	ug/l	70-130	20	70-130	20	20			
Chlorobenzene	108-90-7	0.5	0.178	ug/l	75-130	25	75-130	25	25			
Trichlorofluoromethane	75-69-4	2.5	0.161	ug/l	62-150	20	62-150	20	20			
1,2-Dichloroethane	107-06-2	0.5	0.132	ug/l	70-130	20	70-130	20	20			
1,1,1-Trichloroethane	71-55-6	0.5	0.158	ug/l	67-130	20	67-130	20	20			
Bromodichloromethane	75-27-4	0.5	0.192	ug/l	67-130	20	67-130	20	20			
trans-1,3-Dichloropropene	10061-02-6	0.5	0.164	ug/l	70-130	20	70-130	20	20			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.144	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.240	ug/l	70-130	20	70-130	20	20			
Bromoform	75-25-2	2	0.248	ug/l	54-136	20	54-136	20	20			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.167	ug/l	67-130	20	67-130	20	20			
Benzene	71-43-2	0.5	0.159	ug/l	70-130	25	70-130	25	25			
Toluene	108-88-3	0.75	0.203	ug/l	70-130	25	70-130	25	25			
Ethylbenzene	100-41-4	0.5	0.167	ug/l	70-130	20	70-130	20	20			
Chloromethane	74-87-3	2.5	0.200	ug/l	64-130	20	64-130	20	20			
Bromomethane	74-83-9	1	0.256	ug/l	39-139	20	39-139	20	20			
Vinyl chloride	75-01-4	1	0.0714	ug/l	55-140	20	55-140	20	20			
Chloroethane	75-00-3	1	0.134	ug/l	55-138	20	55-138	20	20			
1,1-Dichloroethene	75-35-4	0.5	0.169	ug/l	61-145	25	61-145	25	25			
trans-1,2-Dichloroethene	156-60-5	0.75	0.163	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
Trichloroethene	79-01-6	0.5	0.175	ug/l	70-130	25	70-130	25	25			
1,2-Dichlorobenzene	95-50-1	2.5	0.184	ug/l	70-130	20	70-130	20	20			
1,3-Dichlorobenzene	541-73-1	2.5	0.186	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobenzene	106-46-7	2.5	0.187	ug/l	70-130	20	70-130	20	20			
Methyl tert butyl ether	1634-04-4	1	0.166	ug/l	63-130	20	63-130	20	20			
p/m-Xylene	179601-23-1	1	0.332	ug/l	70-130	20	70-130	20	20			
o-Xylene	95-47-6	1	0.392	ug/l	70-130	20	70-130	20	20			
Xylene (Total)	1330-20-7	1	0.330	ug/l				20	20			
Xylene (Total)	1330-20-7	1	0.330	ug/l				20	20			
cis-1,2-Dichloroethene	156-59-2	0.5	0.187	ug/l	70-130	20	70-130	20	20			
Dibromomethane	74-95-3	5	0.363	ug/l	70-130	20	70-130	20	20			

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Page: 2

Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	5	0.464	ug/l	70-130	20	70-130	20	20			
1,2,3-Trichloropropane	96-18-4	5	0.176	ug/l	64-130	20	64-130	20	20			
Styrene	100-42-5	1	0.359	ug/l	70-130	20	70-130	20	20			
Dichlorodifluoromethane	75-71-8	5	0.244	ug/l	36-147	20	36-147	20	20			
Acetone	67-64-1	5	1.46	ug/l	58-148	20	58-148	20	20			
Carbon disulfide	75-15-0	5	0.299	ug/l	51-130	20	51-130	20	20			
2-Butanone	78-93-3	5	1.94	ug/l	63-138	20	63-138	20	20			
Vinyl acetate	108-05-4	5	0.311	ug/l	70-130	20	70-130	20	20			
4-Methyl-2-pentanone	108-10-1	5	0.416	ug/l	59-130	20	59-130	20	20			
2-Hexanone	591-78-6	5	0.515	ug/l	57-130	20	57-130	20	20			
Ethyl methacrylate	97-63-2	5	0.606	ug/l	70-130	20	70-130	20	20			
Acrylonitrile	107-13-1	5	0.430	ug/l	70-130	20	70-130	20	20			
Bromochloromethane	74-97-5	2.5	0.152	ug/l	70-130	20	70-130	20	20			
Tetrahydrofuran	109-99-9	5	0.525	ug/l	58-130	20	58-130	20	20			
2,2-Dichloropropane	594-20-7	2.5	0.204	ug/l	63-133	20	63-133	20	20			
1,2-Dibromoethane	106-93-4	2	0.193	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropane	142-28-9	2.5	0.212	ug/l	70-130	20	70-130	20	20			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.164	ug/l	64-130	20	64-130	20	20			
Bromobenzene	108-86-1	2.5	0.152	ug/l	70-130	20	70-130	20	20			
n-Butylbenzene	104-51-8	0.5	0.192	ug/l	53-136	20	53-136	20	20			
sec-Butylbenzene	135-98-8	0.5	0.181	ug/l	70-130	20	70-130	20	20			
tert-Butylbenzene	98-06-6	2.5	0.196	ug/l	70-130	20	70-130	20	20			
o-Chlorotoluene	95-49-8	2.5	0.215	ug/l	70-130	20	70-130	20	20			
p-Chlorotoluene	106-43-4	2.5	0.185	ug/l	70-130	20	70-130	20	20			
1,2-Dibromo-3-chloropropane	96-12-8	2.5	0.353	ug/l	41-144	20	41-144	20	20			
Hexachlorobutadiene	87-68-3	0.5	0.217	ug/l	63-130	20	63-130	20	20			
Isopropylbenzene	98-82-8	0.5	0.187	ug/l	70-130	20	70-130	20	20			
p-Isopropyltoluene	99-87-6	0.5	0.188	ug/l	70-130	20	70-130	20	20			
Naphthalene	91-20-3	2.5	0.216	ug/l	70-130	20	70-130	20	20			
n-Propylbenzene	103-65-1	0.5	0.173	ug/l	69-130	20	69-130	20	20			
1,2,3-Trichlorobenzene	87-61-6	2.5	0.234	ug/l	70-130	20	70-130	20	20			
1,2,4-Trichlorobenzene	120-82-1	2.5	0.220	ug/l	70-130	20	70-130	20	20			
1,3,5-Trimethylbenzene	108-67-8	2.5	0.217	ug/l	64-130	20	64-130	20	20			
1,3,5-Trichlorobenzene	108-70-3	2	0.141	ug/l	70-130	20	70-130	20	20			
1,2,4-Trimethylbenzene	95-63-6	2.5	0.191	ug/l	70-130	20	70-130	20	20			
trans-1,4-Dichloro-2-butene	110-57-6	2.5	0.213	ug/l	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2.5	0.163	ug/l	59-134	20	59-134	20	20			
Methyl Acetate	79-20-9	10	0.234	ug/l	70-130	20	70-130	20	20			
Ethyl Acetate	141-78-6	10	0.716	ug/l	70-130	20	70-130	20	20			
Isopropyl Ether	108-20-3	2	0.425	ug/l	70-130	20	70-130	20	20			
Cyclohexane	110-82-7	10	0.271	ug/l	70-130	20	70-130	20	20			
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.179	ug/l	70-130	20	70-130	20	20			

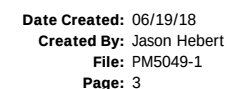
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Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
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File: PM5047-1
Page: 1

Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	5	2.29	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	1	0.145	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	1.5	0.140	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	1	0.230	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	1	0.125	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	1	0.140	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	1	0.267	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	0.5	0.196	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	0.5	0.127	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	4	0.695	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	1	0.257	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	0.5	0.167	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	0.5	0.109	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	1	0.273	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.158	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	0.5	0.159	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	4	0.246	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	1	0.543	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	1	0.141	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	4	0.932	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	2	0.581	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	1	0.335	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	2	0.452	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	1	0.238	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	1.5	0.137	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	0.5	0.137	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.144	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.148	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.171	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	2	0.201	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	2	0.560	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	1	0.291	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	1	0.175	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
Dibromomethane	74-95-3	2	0.238	ug/kg	70-130	30	70-130	30	30			

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File: PM5047-1
Page: 2

Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	10	0.226	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	2	0.127	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	1	0.196	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	10	0.915	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	10	4.81	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	10	4.55	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	10	2.22	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	10	2.15	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	10	1.28	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	10	1.18	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	10	1.58	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	4	1.15	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	2	0.205	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	4	1.59	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	2	0.202	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	1	0.279	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	2	0.167	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.132	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	2	0.145	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	1	0.167	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	1	0.146	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	2	0.118	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	2	0.173	ug/kg	70-130	30	70-130	30	30			
o-Chlorotoluene	95-49-8	2	0.191	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	2	0.108	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	3	0.998	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	4	0.169	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	1	0.109	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	1	0.109	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	4	0.650	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	1	0.171	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	2	0.322	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	2	0.272	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	2	0.193	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	2	0.334	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	5	1.42	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	100	100	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2	0.341	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	4	0.950	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	10	1.21	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	2	0.213	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	10	0.544	ug/kg	70-130	30	70-130	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
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File: PM5047-1
Page: 3

Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days

Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
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Page: 1

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	250	115	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	50	7.25	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	75	7.00	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	50	11.5	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	50	6.25	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	50	7.00	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	50	13.4	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	25	9.80	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	25	6.35	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	200	34.8	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	50	12.9	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	25	8.35	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	25	5.45	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	50	13.7	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	25	7.90	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	25	7.95	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	200	12.3	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	25	8.30	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	25	8.30	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	50	27.2	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	50	7.05	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	200	46.6	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	100	29.1	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	50	16.8	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	100	22.6	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	50	11.9	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	75	6.85	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	25	6.85	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	100	7.20	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	100	7.40	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	100	8.55	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	100	10.1	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	100	28.0	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	50	14.6	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	50	8.75	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
Dibromomethane	74-95-3	100	11.9	ug/kg	70-130	30	70-130	30	30			

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File: PM5048-1
Page: 2

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	500	11.3	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	100	6.35	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	50	9.80	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	500	45.8	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	500	241	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	500	228	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	500	111	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	500	108	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	500	64.0	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	500	59.0	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	500	79.0	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	200	57.5	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	100	10.3	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	200	79.5	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	100	10.1	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	50	14.0	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	100	8.35	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	25	6.60	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	100	7.25	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	50	8.35	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	50	7.30	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	100	5.90	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	100	8.65	ug/kg	70-130	30	70-130	30	30			
o-Chlorotoluene	95-49-8	100	9.55	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	100	5.40	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	150	49.9	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	200	8.45	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	50	5.45	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	50	5.45	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	200	32.5	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	50	8.55	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	100	16.1	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	100	13.6	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	100	9.65	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	100	16.7	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	250	71.0	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	5000	5000	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	100	17.1	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	200	47.5	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	500	60.5	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	100	10.7	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	500	27.2	ug/kg	70-130	30	70-130	30	30			

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Page: 3

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days

Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

[illegible]

Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.



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Volatiles Sample Data

Results Summary

Form 1

Volatile Organics by GC/MS

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Lab ID : L1943286-01D
 Client ID : MW-3
 Sample Location : 39-40 30TH ST., LONG ISLAND CITY,
 NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V08190923A23
 Sample Amount : 2.5 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1943286
 Project Number : 12930
 Date Collected : 09/19/19 11:30
 Date Received : 09/19/19
 Date Analyzed : 09/23/19 15:33
 Dilution Factor : 4
 Analyst : PK
 Instrument ID : VOA108
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	10	2.8	U
75-34-3	1,1-Dichloroethane	ND	10	2.8	U
67-66-3	Chloroform	ND	10	2.8	U
56-23-5	Carbon tetrachloride	ND	2.0	0.54	U
78-87-5	1,2-Dichloropropane	ND	4.0	0.55	U
124-48-1	Dibromochloromethane	ND	2.0	0.60	U
79-00-5	1,1,2-Trichloroethane	ND	6.0	2.0	U
127-18-4	Tetrachloroethene	49	2.0	0.72	
108-90-7	Chlorobenzene	ND	10	2.8	U
75-69-4	Trichlorofluoromethane	ND	10	2.8	U
107-06-2	1,2-Dichloroethane	ND	2.0	0.53	U
71-55-6	1,1,1-Trichloroethane	ND	10	2.8	U
75-27-4	Bromodichloromethane	ND	2.0	0.77	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.66	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.58	U
542-75-6	1,3-Dichloropropene, Total	ND	2.0	0.58	U
563-58-6	1,1-Dichloropropene	ND	10	2.8	U
75-25-2	Bromoform	ND	8.0	2.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.67	U
71-43-2	Benzene	ND	2.0	0.64	U
108-88-3	Toluene	ND	10	2.8	U
100-41-4	Ethylbenzene	ND	10	2.8	U
74-87-3	Chloromethane	ND	10	2.8	U
74-83-9	Bromomethane	ND	10	2.8	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Lab ID : L1943286-01D
 Client ID : MW-3
 Sample Location : 39-40 30TH ST., LONG ISLAND CITY,
 NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V08190923A23
 Sample Amount : 2.5 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1943286
 Project Number : 12930
 Date Collected : 09/19/19 11:30
 Date Received : 09/19/19
 Date Analyzed : 09/23/19 15:33
 Dilution Factor : 4
 Analyst : PK
 Instrument ID : VOA108
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-01-4	Vinyl chloride	ND	4.0	0.28	U
75-00-3	Chloroethane	ND	10	2.8	U
75-35-4	1,1-Dichloroethene	ND	2.0	0.68	U
156-60-5	trans-1,2-Dichloroethene	15	10	2.8	
79-01-6	Trichloroethene	25	2.0	0.70	
95-50-1	1,2-Dichlorobenzene	ND	10	2.8	U
541-73-1	1,3-Dichlorobenzene	ND	10	2.8	U
106-46-7	1,4-Dichlorobenzene	ND	10	2.8	U
1634-04-4	Methyl tert butyl ether	ND	10	2.8	U
179601-23-1	p/m-Xylene	ND	10	2.8	U
95-47-6	o-Xylene	ND	10	2.8	U
1330-20-7	Xylenes, Total	ND	10	2.8	U
156-59-2	cis-1,2-Dichloroethene	650	10	2.8	
540-59-0	1,2-Dichloroethene, Total	670	10	2.8	
74-95-3	Dibromomethane	ND	20	4.0	U
96-18-4	1,2,3-Trichloropropane	ND	10	2.8	U
107-13-1	Acrylonitrile	ND	20	6.0	U
100-42-5	Styrene	ND	10	2.8	U
75-71-8	Dichlorodifluoromethane	ND	20	4.0	U
67-64-1	Acetone	ND	20	5.8	U
75-15-0	Carbon disulfide	ND	20	4.0	U
78-93-3	2-Butanone	ND	20	7.8	U
108-05-4	Vinyl acetate	ND	20	4.0	U
108-10-1	4-Methyl-2-pentanone	ND	20	4.0	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Lab ID : L1943286-01D
 Client ID : MW-3
 Sample Location : 39-40 30TH ST., LONG ISLAND CITY,
 NY

Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V08190923A23
 Sample Amount : 2.5 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1943286
 Project Number : 12930
 Date Collected : 09/19/19 11:30
 Date Received : 09/19/19
 Date Analyzed : 09/23/19 15:33

Dilution Factor : 4
 Analyst : PK
 Instrument ID : VOA108
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
591-78-6	2-Hexanone	ND	20	4.0	U
74-97-5	Bromochloromethane	ND	10	2.8	U
594-20-7	2,2-Dichloropropane	ND	10	2.8	U
106-93-4	1,2-Dibromoethane	ND	8.0	2.6	U
142-28-9	1,3-Dichloropropane	ND	10	2.8	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	10	2.8	U
108-86-1	Bromobenzene	ND	10	2.8	U
104-51-8	n-Butylbenzene	ND	10	2.8	U
135-98-8	sec-Butylbenzene	4.2	10	2.8	J
98-06-6	tert-Butylbenzene	3.2	10	2.8	J
95-49-8	o-Chlorotoluene	ND	10	2.8	U
106-43-4	p-Chlorotoluene	ND	10	2.8	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	2.8	U
87-68-3	Hexachlorobutadiene	ND	10	2.8	U
98-82-8	Isopropylbenzene	ND	10	2.8	U
99-87-6	p-Isopropyltoluene	ND	10	2.8	U
91-20-3	Naphthalene	ND	10	2.8	U
103-65-1	n-Propylbenzene	ND	10	2.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	10	2.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	10	2.8	U
108-67-8	1,3,5-Trimethylbenzene	ND	10	2.8	U
95-63-6	1,2,4-Trimethylbenzene	ND	10	2.8	U
123-91-1	1,4-Dioxane	ND	1000	240	U
105-05-5	p-Diethylbenzene	ND	8.0	2.8	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L1943286
Project Name	: FORMER UNION WIRE DIE CORP SIT	Project Number	: 12930
Lab ID	: L1943286-01D	Date Collected	: 09/19/19 11:30
Client ID	: MW-3	Date Received	: 09/19/19
Sample Location	: 39-40 30TH ST., LONG ISLAND CITY, NY	Date Analyzed	: 09/23/19 15:33
Sample Matrix	: WATER	Dilution Factor	: 4
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08190923A23	Instrument ID	: VOA108
Sample Amount	: 2.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
622-96-8	p-Ethyltoluene	ND	8.0	2.8	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	8.0	2.2	U
60-29-7	Ethyl ether	ND	10	2.8	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	10	2.8	U

Results Summary

Form 1

Volatile Organics by GC/MS

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Lab ID : L1943286-02
 Client ID : MW-ADJ 3
 Sample Location : 39-40 30TH ST., LONG ISLAND CITY,
 NY

Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190921A14
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1943286
 Project Number : 12930
 Date Collected : 09/19/19 13:10
 Date Received : 09/19/19
 Date Analyzed : 09/21/19 13:39

Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	7.0	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Lab ID : L1943286-02
 Client ID : MW-ADJ 3
 Sample Location : 39-40 30TH ST., LONG ISLAND CITY,
 NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190921A14
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1943286
 Project Number : 12930
 Date Collected : 09/19/19 13:10
 Date Received : 09/19/19
 Date Analyzed : 09/21/19 13:39
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	2.3	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	2.0	2.5	0.70	J
540-59-0	1,2-Dichloroethene, Total	2.0	2.5	0.70	J
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Lab ID : L1943286-02
 Client ID : MW-ADJ 3
 Sample Location : 39-40 30TH ST., LONG ISLAND CITY,
 NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190921A14
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1943286
 Project Number : 12930
 Date Collected : 09/19/19 13:10
 Date Received : 09/19/19
 Date Analyzed : 09/21/19 13:39
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L1943286
Project Name	: FORMER UNION WIRE DIE CORP SIT	Project Number	: 12930
Lab ID	: L1943286-02	Date Collected	: 09/19/19 13:10
Client ID	: MW-ADJ 3	Date Received	: 09/19/19
Sample Location	: 39-40 30TH ST., LONG ISLAND CITY, NY	Date Analyzed	: 09/21/19 13:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VG190921A14	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary

Form 1

Volatile Organics by GC/MS

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Lab ID : L1943286-03D
 Client ID : MW-DUP
 Sample Location : 39-40 30TH ST., LONG ISLAND CITY,
 NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190921A13
 Sample Amount : 2 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1943286
 Project Number : 12930
 Date Collected : 09/19/19 12:10
 Date Received : 09/19/19
 Date Analyzed : 09/21/19 13:13
 Dilution Factor : 5
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	12	3.5	U
75-34-3	1,1-Dichloroethane	ND	12	3.5	U
67-66-3	Chloroform	ND	12	3.5	U
56-23-5	Carbon tetrachloride	ND	2.5	0.67	U
78-87-5	1,2-Dichloropropane	ND	5.0	0.68	U
124-48-1	Dibromochloromethane	ND	2.5	0.74	U
79-00-5	1,1,2-Trichloroethane	ND	7.5	2.5	U
127-18-4	Tetrachloroethene	44	2.5	0.90	
108-90-7	Chlorobenzene	ND	12	3.5	U
75-69-4	Trichlorofluoromethane	ND	12	3.5	U
107-06-2	1,2-Dichloroethane	ND	2.5	0.66	U
71-55-6	1,1,1-Trichloroethane	ND	12	3.5	U
75-27-4	Bromodichloromethane	ND	2.5	0.96	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.82	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.72	U
542-75-6	1,3-Dichloropropene, Total	ND	2.5	0.72	U
563-58-6	1,1-Dichloropropene	ND	12	3.5	U
75-25-2	Bromoform	ND	10	3.2	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.84	U
71-43-2	Benzene	ND	2.5	0.80	U
108-88-3	Toluene	ND	12	3.5	U
100-41-4	Ethylbenzene	ND	12	3.5	U
74-87-3	Chloromethane	ND	12	3.5	U
74-83-9	Bromomethane	ND	12	3.5	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Lab ID : L1943286-03D
 Client ID : MW-DUP
 Sample Location : 39-40 30TH ST., LONG ISLAND CITY,
 NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190921A13
 Sample Amount : 2 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1943286
 Project Number : 12930
 Date Collected : 09/19/19 12:10
 Date Received : 09/19/19
 Date Analyzed : 09/21/19 13:13
 Dilution Factor : 5
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-01-4	Vinyl chloride	ND	5.0	0.36	U
75-00-3	Chloroethane	ND	12	3.5	U
75-35-4	1,1-Dichloroethene	ND	2.5	0.84	U
156-60-5	trans-1,2-Dichloroethene	14	12	3.5	
79-01-6	Trichloroethene	29	2.5	0.88	
95-50-1	1,2-Dichlorobenzene	ND	12	3.5	U
541-73-1	1,3-Dichlorobenzene	ND	12	3.5	U
106-46-7	1,4-Dichlorobenzene	ND	12	3.5	U
1634-04-4	Methyl tert butyl ether	ND	12	3.5	U
179601-23-1	p/m-Xylene	ND	12	3.5	U
95-47-6	o-Xylene	ND	12	3.5	U
1330-20-7	Xylenes, Total	ND	12	3.5	U
156-59-2	cis-1,2-Dichloroethene	650	12	3.5	
540-59-0	1,2-Dichloroethene, Total	660	12	3.5	
74-95-3	Dibromomethane	ND	25	5.0	U
96-18-4	1,2,3-Trichloropropane	ND	12	3.5	U
107-13-1	Acrylonitrile	ND	25	7.5	U
100-42-5	Styrene	ND	12	3.5	U
75-71-8	Dichlorodifluoromethane	ND	25	5.0	U
67-64-1	Acetone	ND	25	7.3	U
75-15-0	Carbon disulfide	ND	25	5.0	U
78-93-3	2-Butanone	ND	25	9.7	U
108-05-4	Vinyl acetate	ND	25	5.0	U
108-10-1	4-Methyl-2-pentanone	ND	25	5.0	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Lab ID : L1943286-03D
 Client ID : MW-DUP
 Sample Location : 39-40 30TH ST., LONG ISLAND CITY,
 NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190921A13
 Sample Amount : 2 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1943286
 Project Number : 12930
 Date Collected : 09/19/19 12:10
 Date Received : 09/19/19
 Date Analyzed : 09/21/19 13:13
 Dilution Factor : 5
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
591-78-6	2-Hexanone	ND	25	5.0	U
74-97-5	Bromochloromethane	ND	12	3.5	U
594-20-7	2,2-Dichloropropane	ND	12	3.5	U
106-93-4	1,2-Dibromoethane	ND	10	3.2	U
142-28-9	1,3-Dichloropropane	ND	12	3.5	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	12	3.5	U
108-86-1	Bromobenzene	ND	12	3.5	U
104-51-8	n-Butylbenzene	ND	12	3.5	U
135-98-8	sec-Butylbenzene	ND	12	3.5	U
98-06-6	tert-Butylbenzene	ND	12	3.5	U
95-49-8	o-Chlorotoluene	ND	12	3.5	U
106-43-4	p-Chlorotoluene	ND	12	3.5	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	3.5	U
87-68-3	Hexachlorobutadiene	ND	12	3.5	U
98-82-8	Isopropylbenzene	ND	12	3.5	U
99-87-6	p-Isopropyltoluene	ND	12	3.5	U
91-20-3	Naphthalene	ND	12	3.5	U
103-65-1	n-Propylbenzene	ND	12	3.5	U
87-61-6	1,2,3-Trichlorobenzene	ND	12	3.5	U
120-82-1	1,2,4-Trichlorobenzene	ND	12	3.5	U
108-67-8	1,3,5-Trimethylbenzene	ND	12	3.5	U
95-63-6	1,2,4-Trimethylbenzene	ND	12	3.5	U
123-91-1	1,4-Dioxane	ND	1200	300	U
105-05-5	p-Diethylbenzene	ND	10	3.5	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L1943286
Project Name	: FORMER UNION WIRE DIE CORP SIT	Project Number	: 12930
Lab ID	: L1943286-03D	Date Collected	: 09/19/19 12:10
Client ID	: MW-DUP	Date Received	: 09/19/19
Sample Location	: 39-40 30TH ST., LONG ISLAND CITY, NY	Date Analyzed	: 09/21/19 13:13
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VG190921A13	Instrument ID	: GONZO
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
622-96-8	p-Ethyltoluene	ND	10	3.5	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	10	2.7	U
60-29-7	Ethyl ether	ND	12	3.5	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	12	3.5	U

Results Summary

Form 1

Volatile Organics by GC/MS

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Lab ID : L1943286-04
 Client ID : TRIP BLANK
 Sample Location : 39-40 30TH ST., LONG ISLAND CITY,
 NY

Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190921A12
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1943286
 Project Number : 12930
 Date Collected : 09/19/19 00:00
 Date Received : 09/19/19
 Date Analyzed : 09/21/19 12:48

Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Lab ID : L1943286-04
 Client ID : TRIP BLANK
 Sample Location : 39-40 30TH ST., LONG ISLAND CITY,
 NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190921A12
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1943286
 Project Number : 12930
 Date Collected : 09/19/19 00:00
 Date Received : 09/19/19
 Date Analyzed : 09/21/19 12:48
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Lab ID : L1943286-04
 Client ID : TRIP BLANK
 Sample Location : 39-40 30TH ST., LONG ISLAND CITY,
 NY

Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190921A12
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1943286
 Project Number : 12930
 Date Collected : 09/19/19 00:00
 Date Received : 09/19/19
 Date Analyzed : 09/21/19 12:48

Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L1943286
Project Name	: FORMER UNION WIRE DIE CORP SIT	Project Number	: 12930
Lab ID	: L1943286-04	Date Collected	: 09/19/19 00:00
Client ID	: TRIP BLANK	Date Received	: 09/19/19
Sample Location	: 39-40 30TH ST., LONG ISLAND CITY, NY	Date Analyzed	: 09/21/19 12:48
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VG190921A12	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary

Form 1

Volatile Organics by GC/MS

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Lab ID : WG1287429-5
 Client ID : WG1287429-5BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V08190923A05
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1943286
 Project Number : 12930
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/23/19 08:59
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA108
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Lab ID : WG1287429-5
 Client ID : WG1287429-5BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V08190923A05
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1943286
 Project Number : 12930
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/23/19 08:59
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA108
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Lab ID : WG1287429-5
 Client ID : WG1287429-5BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V08190923A05
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1943286
 Project Number : 12930
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/23/19 08:59
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA108
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Impact Environmental	Lab Number	: L1943286
Project Name	: FORMER UNION WIRE DIE CORP SIT	Project Number	: 12930
Lab ID	: WG1287429-5	Date Collected	: NA
Client ID	: WG1287429-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/23/19 08:59
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V08190923A05	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Lab ID : WG1287487-5
 Client ID : WG1287487-5BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190921A06
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1943286
 Project Number : 12930
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/21/19 10:15
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Lab ID : WG1287487-5
 Client ID : WG1287487-5BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190921A06
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1943286
 Project Number : 12930
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/21/19 10:15
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Lab ID : WG1287487-5
 Client ID : WG1287487-5BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190921A06
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1943286
 Project Number : 12930
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/21/19 10:15
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Lab ID : WG1287487-5
 Client ID : WG1287487-5BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190921A06
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1943286
 Project Number : 12930
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/21/19 10:15
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A12.D
 Acq On : 21 Sep 2019 12:48
 Operator : GONZO:PK
 Sample : l1943286-04,31,10,10,,a
 Misc : WG1287487,ICAL16127
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 23 15:17:36 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190921A\VG190921A03.D
 Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.496	96	292569	10.000	ug/L	0.00
Standard Area 1 = 315591			Recovery	=	92.71%	
59) Chlorobenzene-d5	10.068	117	225089	10.000	ug/L	0.00
Standard Area 1 = 245301			Recovery	=	91.76%	
79) 1,4-Dichlorobenzene-d4	12.664	152	122927	10.000	ug/L	0.00
Standard Area 1 = 143167			Recovery	=	85.86%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.665	113	66713	9.503	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.03%	
43) 1,2-Dichloroethane-d4	6.213	65	73113	11.162	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	111.62%	
60) Toluene-d8	8.208	98	269585	9.419	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	94.19%	
83) 4-Bromofluorobenzene	11.489	95	93527	9.536	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.36%	
Target Compounds						
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	2.075	50	338	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.506	94	94	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.357	76	518	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.963	43	1386	Below Cal	#	65
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.	d	
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A12.D
 Acq On : 21 Sep 2019 12:48
 Operator : GONZO:PK
 Sample : l1943286-04,31,10,10,,a
 Misc : WG1287487,ICAL16127
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 23 15:17:36 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190921A\VG190921A03.D
 Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	5.538	43	97		N.D.	
40) 1,1-Dichloropropene	5.567	75	115		N.D.	
41) Benzene	6.066	78	347		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	d
48) Trichloroethene	0.000		0		N.D.	d
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	8.267	92	317		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	
73) Chlorobenzene	10.088	112	219		N.D.	
74) Ethylbenzene	10.088	91	186		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	11.489	91	272		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	0.000		0		N.D.	
89) 2-Chlorotoluene	0.000		0		N.D.	
90) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
91) 1,2,3-Trichloropropane	0.000		0		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93) 4-Chlorotoluene	0.000		0		N.D.	
94) tert-Butylbenzene	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A12.D
 Acq On : 21 Sep 2019 12:48
 Operator : GONZO:PK
 Sample : l1943286-04,31,10,10,,a
 Misc : WG1287487,ICAL16127
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 23 15:17:36 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190921A\VG190921A03.D
 Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	12.253	105	108		N.D.	
98)	sec-Butylbenzene	12.253	105	108		N.D.	
99)	p-Isopropyltoluene	12.517	119	105		N.D.	
100)	1,3-Dichlorobenzene	12.596	146	91		N.D.	
101)	1,4-Dichlorobenzene	12.684	146	457		N.D.	
102)	p-Diethylbenzene	0.000		0		N.D.	
103)	n-Butylbenzene	0.000		0		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
105)	1,2,4,5-Tetramethylben...	13.663	119	88		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108)	Hexachlorobutadiene	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	14.486	180	139		N.D.	
110)	Naphthalene	14.780	128	514		N.D.	
111)	1,2,3-Trichlorobenzene	14.947	180	181		N.D.	

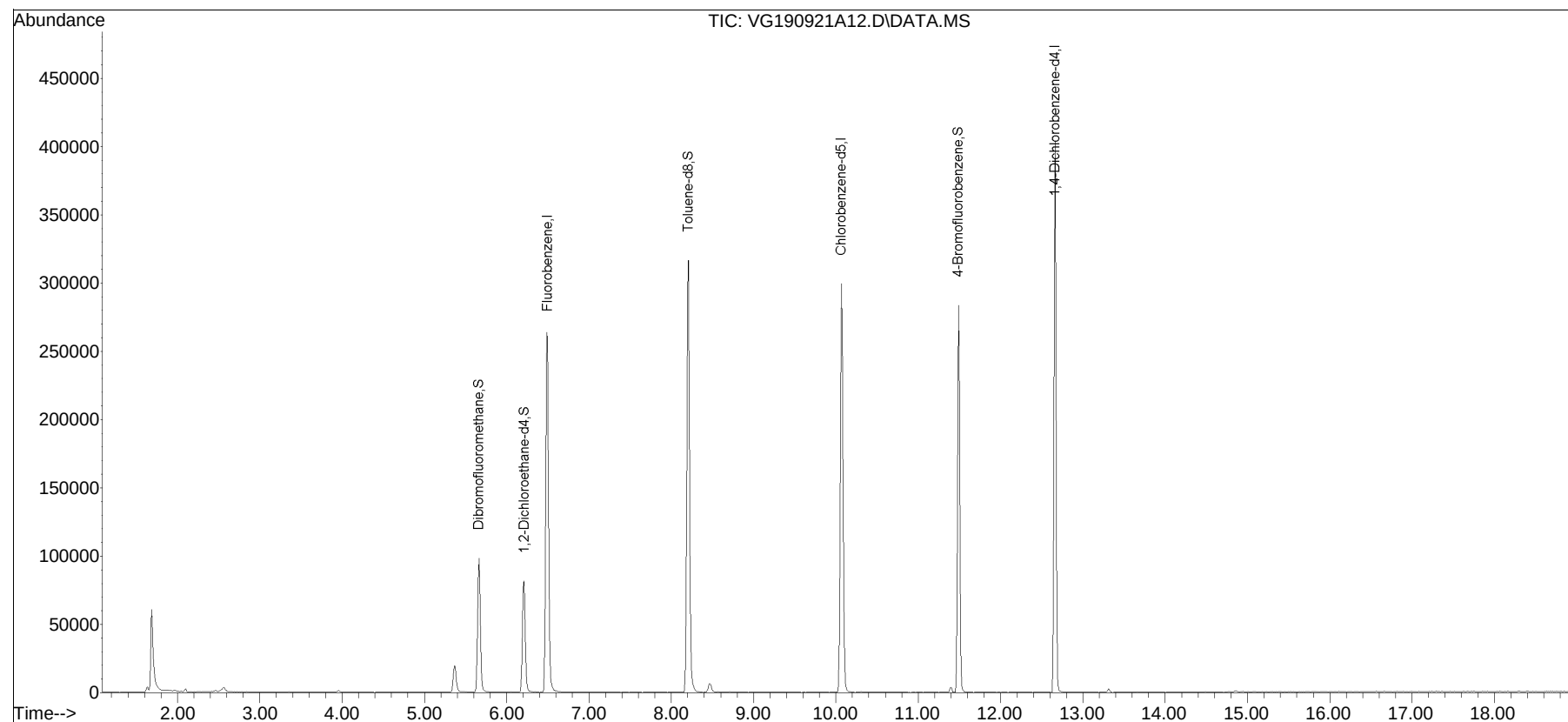
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A12.D
 Acq On : 21 Sep 2019 12:48
 Operator : GONZO:PK
 Sample : l1943286-04,31,10,10,,a
 Misc : WG1287487,ICAL16127
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 23 15:17:36 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox0921A\VG190921A03.D•



Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2019\19QMethod : G_190913_8260.m
Data File : VG190921A12.D Operator : GONZO:PK
Date Inj'd : 9/21/2019 12:48 Instrument : Gonzo
Sample : l1943286-04,31,10,10,,a Quant Date : 9/23/2019 3:16 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A13.D
 Acq On : 21 Sep 2019 13:13
 Operator : GONZO:PK
 Sample : l1943286-03D, 31, 2, 10,, a
 Misc : WG1287487, ICAL16127
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 23 15:18:22 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190921A\VG190921A03.D
 Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.496	96	288270	10.000	ug/L	0.00
Standard Area 1 = 315591			Recovery	=	91.34%	
59) Chlorobenzene-d5	10.068	117	222870	10.000	ug/L	0.00
Standard Area 1 = 245301			Recovery	=	90.86%	
79) 1,4-Dichlorobenzene-d4	12.664	152	121696	10.000	ug/L	0.00
Standard Area 1 = 143167			Recovery	=	85.00%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.665	113	66962	9.681	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.81%	
43) 1,2-Dichloroethane-d4	6.212	65	71618	11.097	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	110.97%	
60) Toluene-d8	8.208	98	271285	9.573	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.73%	
83) 4-Bromofluorobenzene	11.489	95	94187	9.701	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.01%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	2.398	62	100	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	3.317	96	677	0.128	ug/L #	87
11) Carbon disulfide	3.357	76	358	N.D.		
15) Methylene chloride	3.914	84	342	N.D.		
17) Acetone	3.963	43	1194	Below Cal	#	63
18) trans-1,2-Dichloroethene	4.071	96	16170	2.781	ug/L	91
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.	d	
27) Vinyl acetate	4.745	43	809	N.D.		
28) cis-1,2-Dichloroethene	5.215	96	828703	129.923	ug/L	91
29) 2,2-Dichloropropane	5.381	77	447	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	5.479	83	235	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A13.D
 Acq On : 21 Sep 2019 13:13
 Operator : GONZO:PK
 Sample : l1943286-03D, 31, 2, 10,, a
 Misc : WG1287487, ICAL16127
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 23 15:18:22 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190921A\VG190921A03.D
 Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D. d		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D. d		
48) Trichloroethene	6.672	95	37050	5.724	ug/L	94
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D. d		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	0.000		0	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	8.707	166	79822	8.722	ug/L	97
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D. d		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D. d		
73) Chlorobenzene	10.088	112	341	N.D.		
74) Ethylbenzene	10.117	91	536	N.D.		
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	10.813	106	481	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	11.175	105	3045	0.100	ug/L	87
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	11.636	91	748	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	0.000		0	N.D. d		
89) 2-Chlorotoluene	11.851	91	262	N.D.		
90) 1,3,5-Trimethylbenzene	11.851	105	4421	0.177	ug/L	93
91) 1,2,3-Trichloropropane	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93) 4-Chlorotoluene	12.076	91	868	N.D.		
94) tert-Butylbenzene	12.184	119	13016	0.583	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A13.D
 Acq On : 21 Sep 2019 13:13
 Operator : GONZO:PK
 Sample : l1943286-03D,31,2,10,,a
 Misc : WG1287487,ICAL16127
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 23 15:18:22 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190921A\VG190921A03.D
 Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
97)	1,2,4-Trimethylbenzene	0.000		0		N.D.	d	
98)	sec-Butylbenzene	12.370	105	19454	0.650	ug/L	#	84
99)	p-Isopropyltoluene	12.478	119	735		N.D.		
100)	1,3-Dichlorobenzene	12.586	146	114		N.D.		
101)	1,4-Dichlorobenzene	12.684	146	337		N.D.		
102)	p-Diethylbenzene	12.889	119	93		N.D.		
103)	n-Butylbenzene	12.938	91	544		N.D.		
104)	1,2-Dichlorobenzene	0.000		0		N.D.		
105)	1,2,4,5-Tetramethylben...	13.605	119	717		N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.		
108)	Hexachlorobutadiene	14.457	225	91		N.D.		
109)	1,2,4-Trichlorobenzene	14.496	180	108		N.D.		
110)	Naphthalene	14.780	128	329		N.D.		
111)	1,2,3-Trichlorobenzene	14.947	180	204		N.D.		

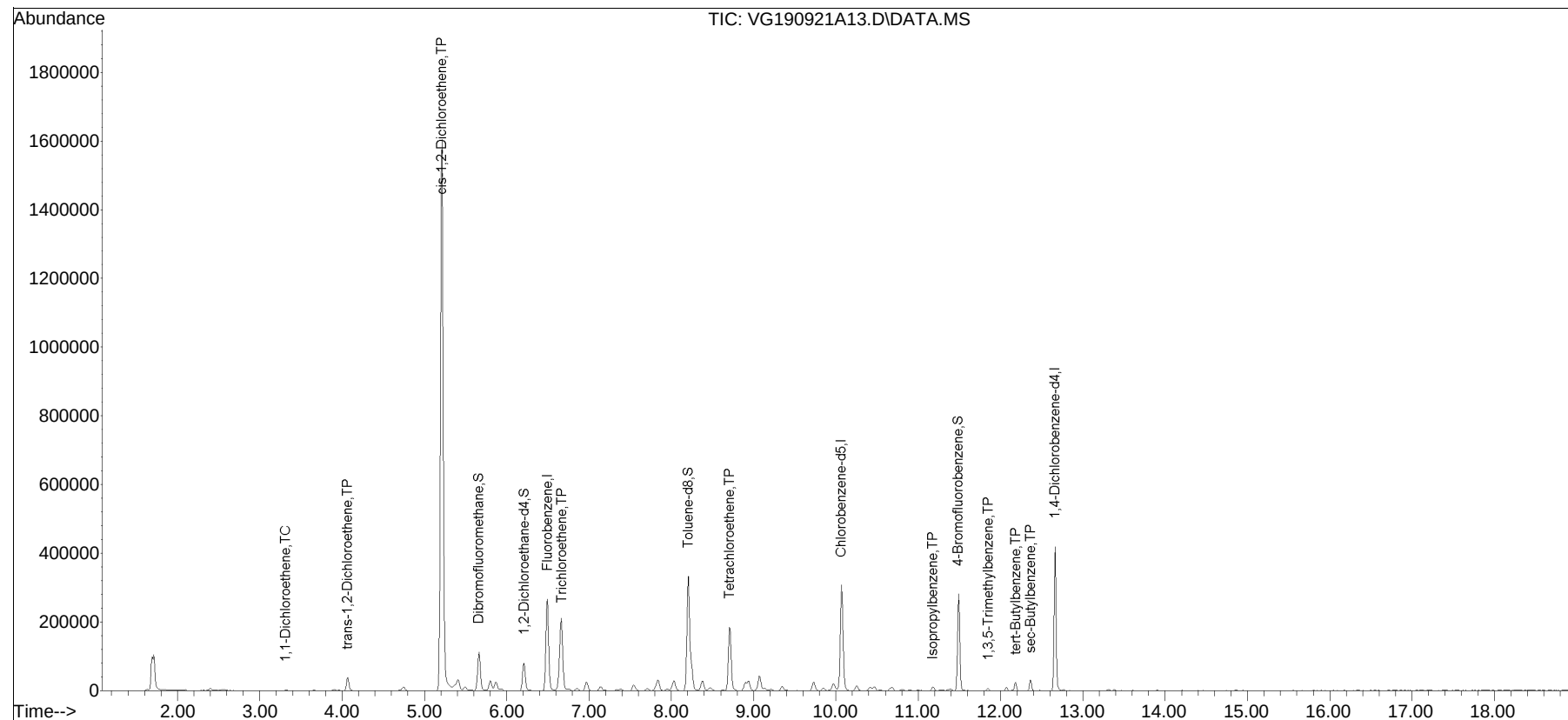
(#) = qualifier out of range (m) = manual integration (+) = signals summed

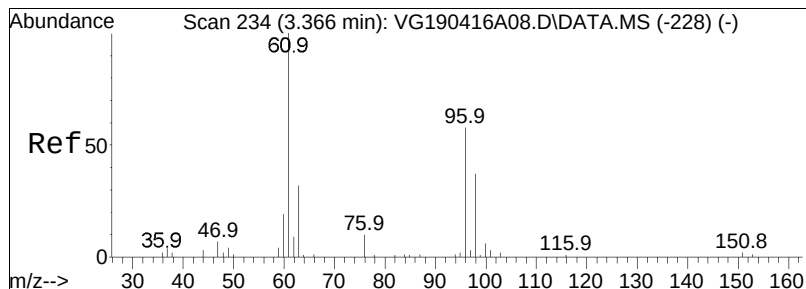
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A13.D
 Acq On : 21 Sep 2019 13:13
 Operator : GONZO:PK
 Sample : l1943286-03D,31,2,10,,a
 Misc : WG1287487,ICAL16127
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 23 15:18:22 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

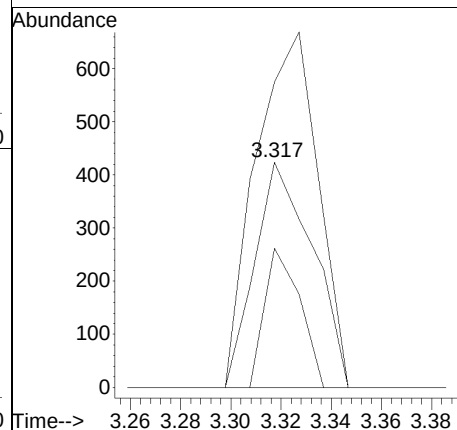
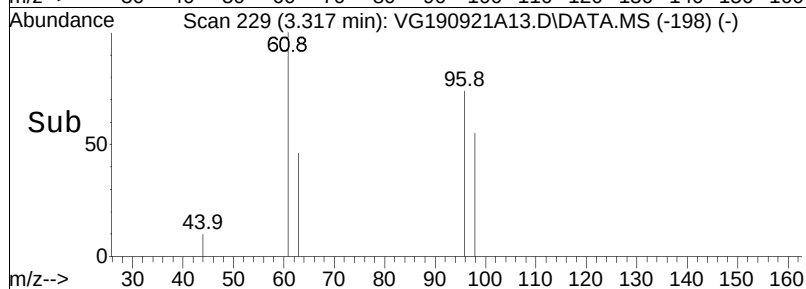
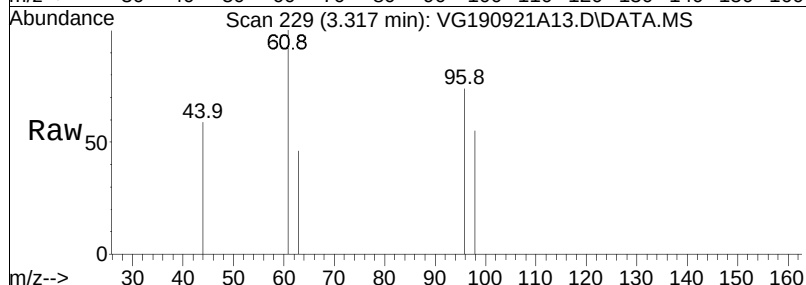
Sub List : 8260-NYTCL - Megamix plus Diox0921A\VG190921A03.D•

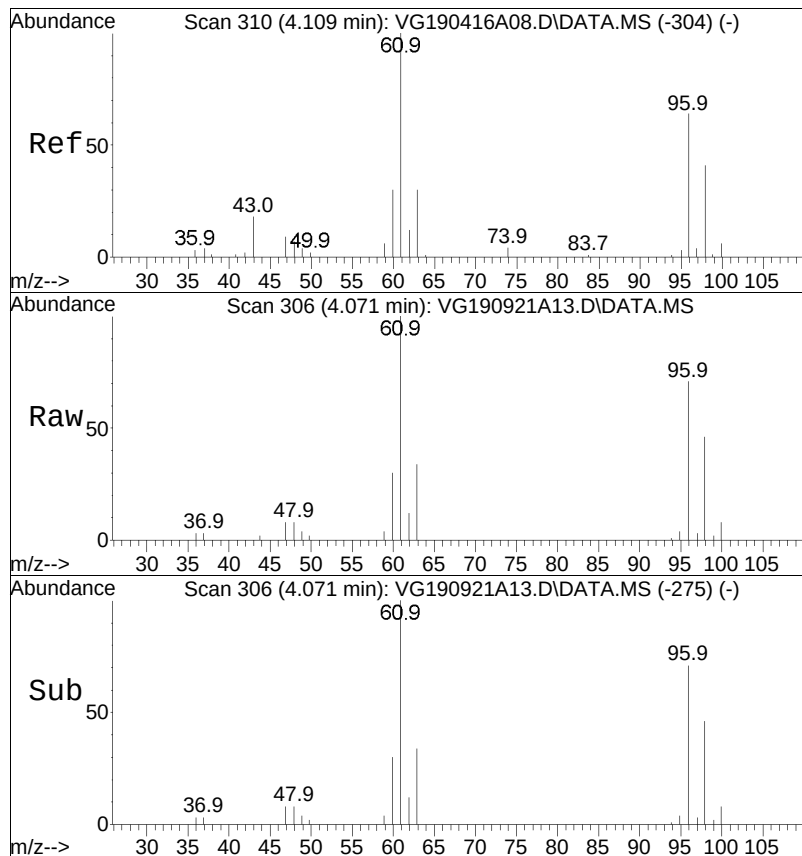




#10
 1,1-Dichloroethene
 Concen: 0.13 ug/L
 RT: 3.317 min Scan# 229
 Delta R.T. 0.000 min
 Lab File: VG190921A13.D
 Acq: 21 Sep 2019 13:13

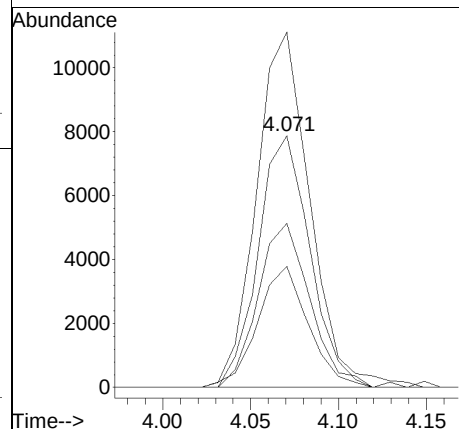
Tgt Ion: 96 Resp: 677
 Ion Ratio Lower Upper
 96 100
 61 169.9 124.2 186.4
 63 38.0 40.0 60.0#

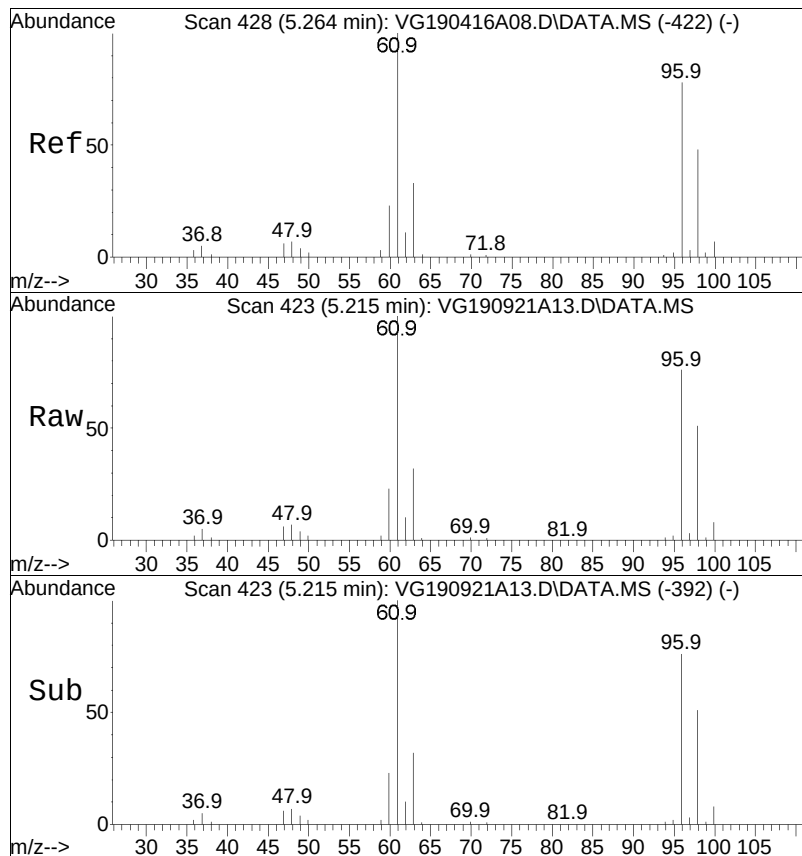




#18
 trans-1,2-Dichloroethene
 Concen: 2.78 ug/L
 RT: 4.071 min Scan# 306
 Delta R.T. 0.000 min
 Lab File: VG190921A13.D
 Acq: 21 Sep 2019 13:13

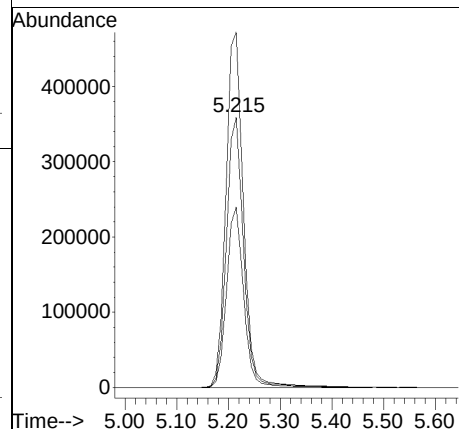
Tgt Ion: 96	Resp: 16170
Ion Ratio	Lower Upper
96 100	
61 145.8	85.7 178.1
98 65.4	40.2 83.4
63 47.2	28.0 58.2

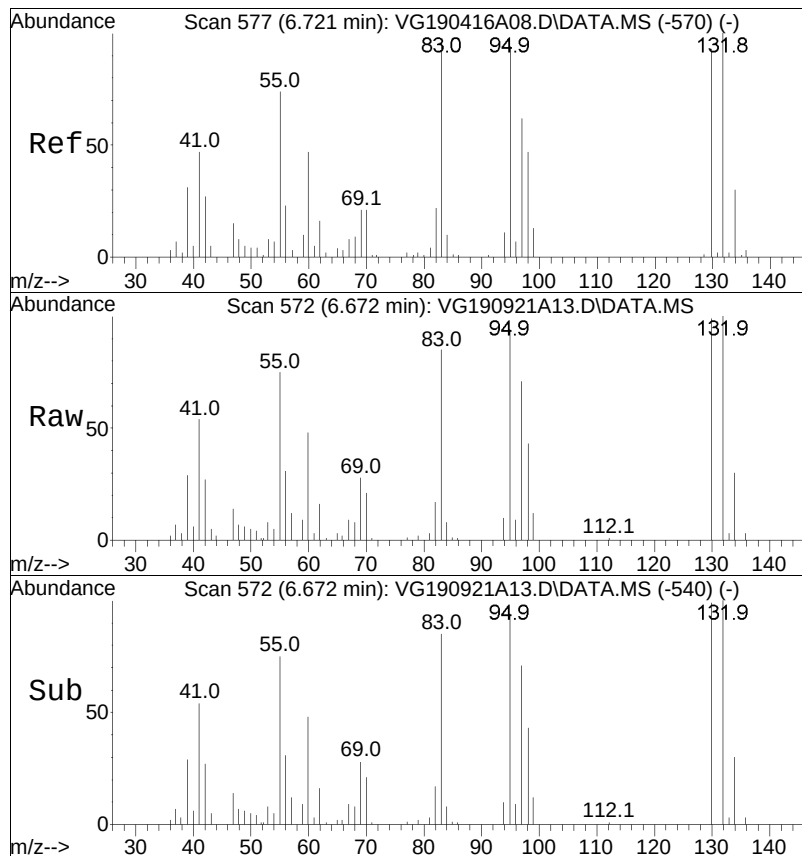




#28
 cis-1,2-Dichloroethene
 Concen: 129.92 ug/L
 RT: 5.215 min Scan# 423
 Delta R.T. 0.000 min
 Lab File: VG190921A13.D
 Acq: 21 Sep 2019 13:13

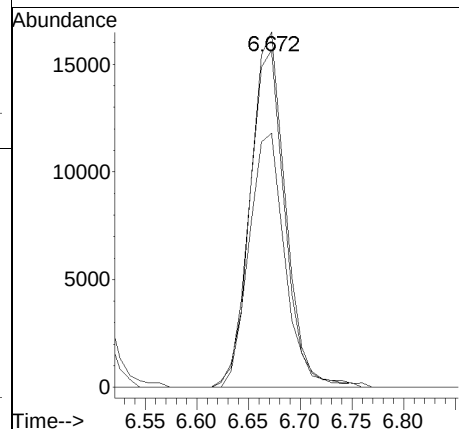
Tgt Ion:	96	Resp:	828703
Ion Ratio	Lower	Upper	
96	100		
61	134.3	96.6	144.8
98	66.8	51.3	76.9

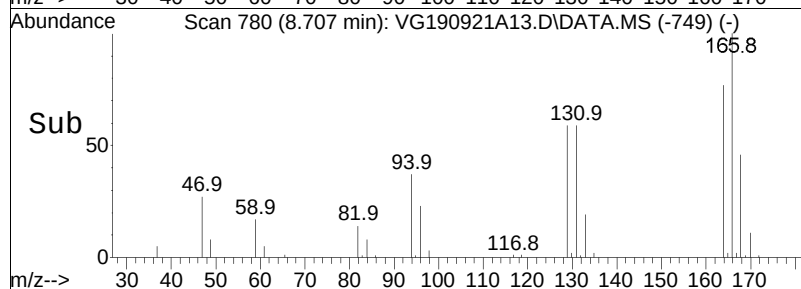
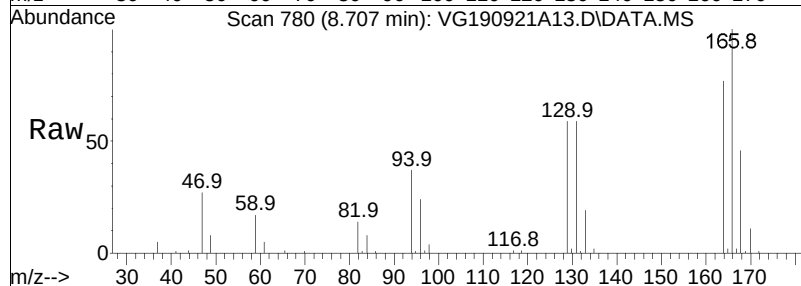
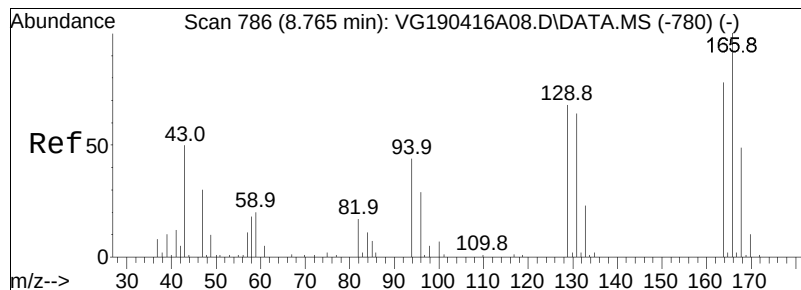




#48
 Trichloroethene
 Concen: 5.72 ug/L
 RT: 6.672 min Scan# 572
 Delta R.T. 0.010 min
 Lab File: VG190921A13.D
 Acq: 21 Sep 2019 13:13

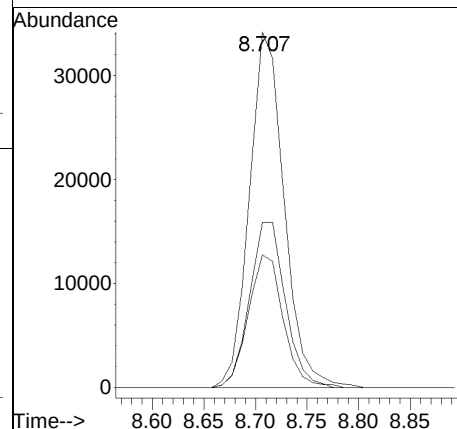
Tgt Ion:	95	Resp:	37050
Ion Ratio	Lower	Upper	
95	100		
97	78.2	54.0	81.0
130	104.1	85.0	127.4

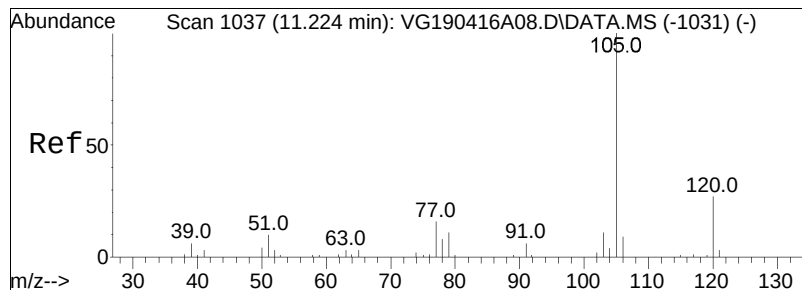




#63
Tetrachloroethene
Concen: 8.72 ug/L
RT: 8.707 min Scan# 780
Delta R.T. 0.000 min
Lab File: VG190921A13.D
Acq: 21 Sep 2019 13:13

Tgt Ion	Ratio	Lower	Upper
166	100		
168	47.9	27.3	67.3
94	37.6	20.5	60.5





#82

Isopropylbenzene

Concen: 0.10 ug/L

RT: 11.175 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VG190921A13.D

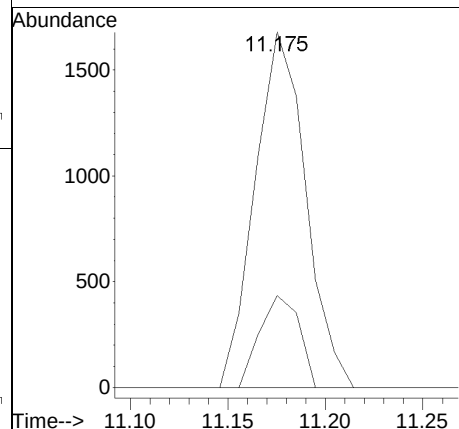
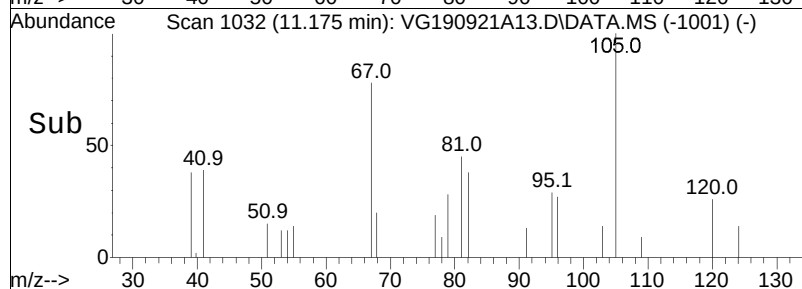
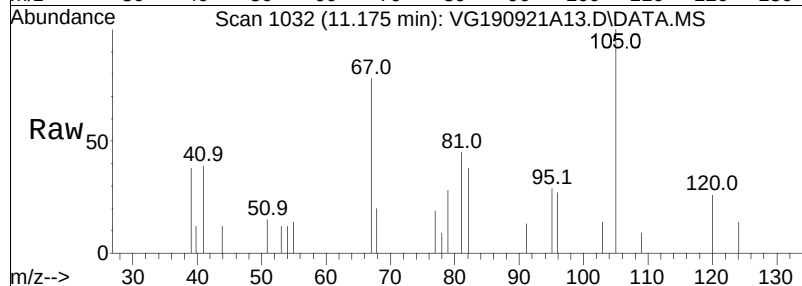
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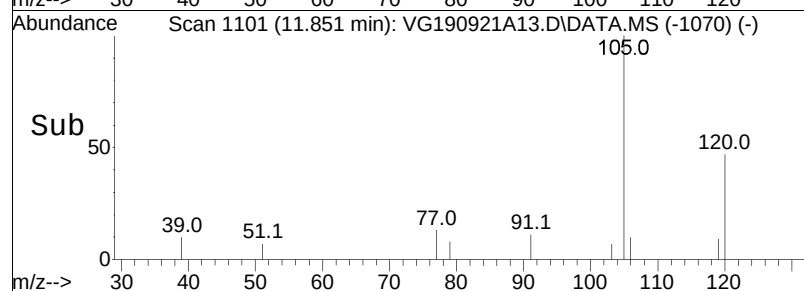
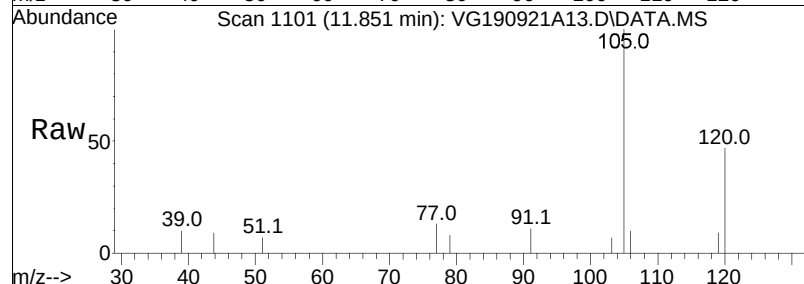
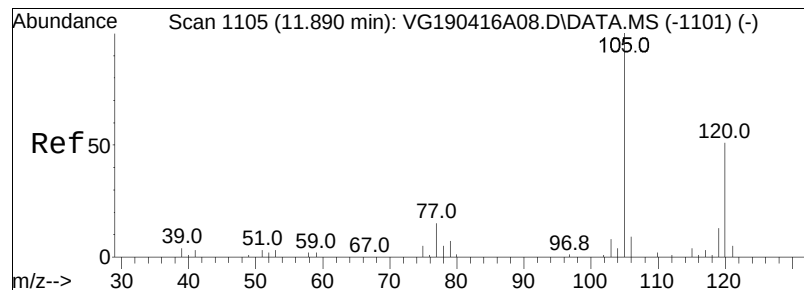
Tgt Ion:105 Resp: 3045

Ion Ratio Lower Upper

105 100

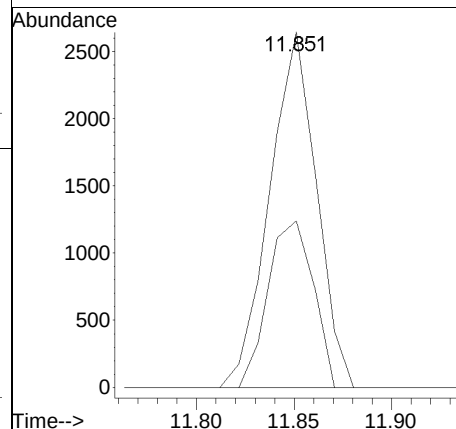
120 20.1 7.0 47.0

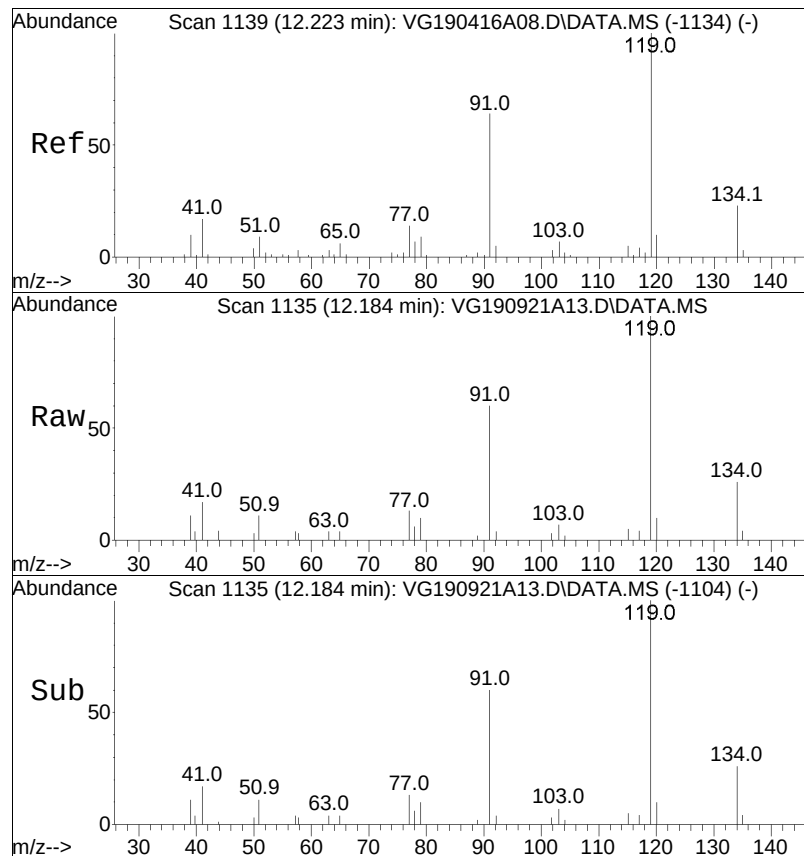




#90
 1,3,5-Trimethylbenzene
 Concen: 0.18 ug/L
 RT: 11.851 min Scan# 1101
 Delta R.T. 0.000 min
 Lab File: VG190921A13.D
 Acq: 21 Sep 2019 13:13

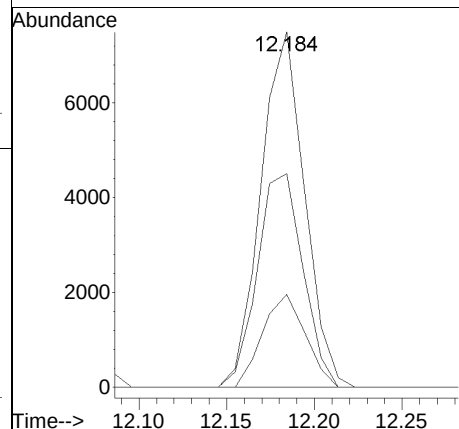
Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	40.3	60.5

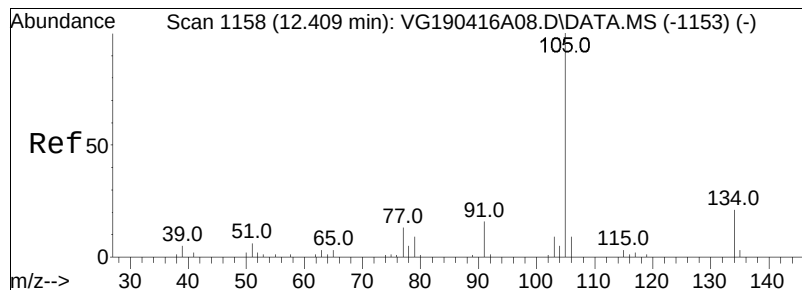




#94
 tert-Butylbenzene
 Concen: 0.58 ug/L
 RT: 12.184 min Scan# 1135
 Delta R.T. 0.000 min
 Lab File: VG190921A13.D
 Acq: 21 Sep 2019 13:13

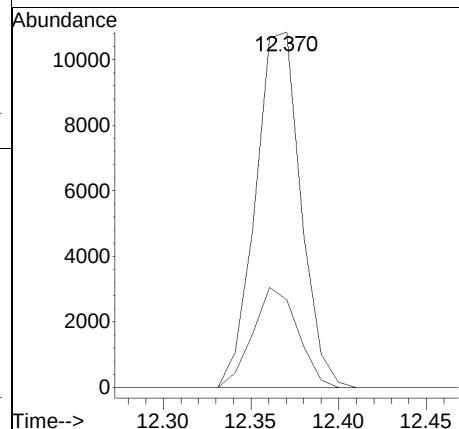
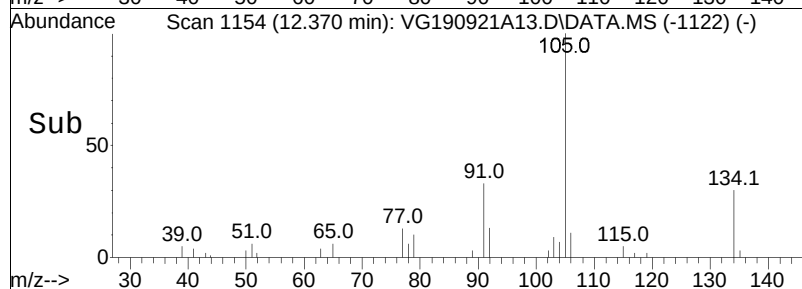
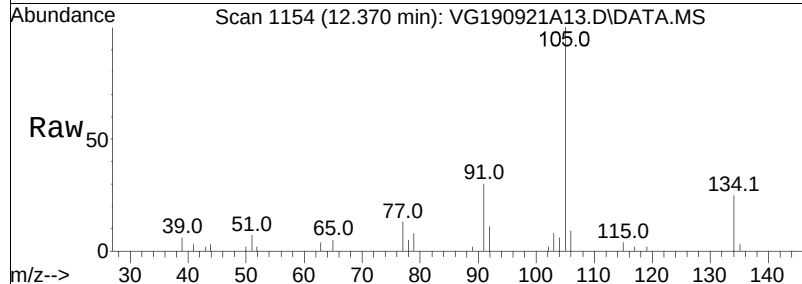
Tgt	Ion	Ratio	Lower	Upper
119	100			
91	62.8	50.8	76.2	
134	25.7	20.2	30.4	





#98
 sec-Butylbenzene
 Concen: 0.65 ug/L
 RT: 12.370 min Scan# 1154
 Delta R.T. 0.010 min
 Lab File: VG190921A13.D
 Acq: 21 Sep 2019 13:13

Tgt Ion	Ratio	Lower	Upper
105	100		
134	28.0	13.3	27.7#



Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2019\190
Data File : VG190921A13.D
Date Inj'd : 9/21/2019 13:13
Sample : l1943286-03D,31,2,10,,a

Method : G_190913_8260.m
Operator : GONZO:PK
Instrument : Gonzo
Quant Date : 9/23/2019 3:16 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A14.D
 Acq On : 21 Sep 2019 13:39
 Operator : GONZO:PK
 Sample : l1943286-02,31,10,10,,a
 Misc : WG1287487,ICAL16127
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 15:18:45 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190921A\VG190921A03.D
 Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.486	96	283498	10.000	ug/L	0.00
Standard Area 1 = 315591			Recovery	=	89.83%	
59) Chlorobenzene-d5	10.068	117	219045	10.000	ug/L	0.00
Standard Area 1 = 245301			Recovery	=	89.30%	
79) 1,4-Dichlorobenzene-d4	12.664	152	118998	10.000	ug/L	0.00
Standard Area 1 = 143167			Recovery	=	83.12%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.665	113	65178	9.581	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.81%	
43) 1,2-Dichloroethane-d4	6.203	65	71484	11.262	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	112.62%	
60) Toluene-d8	8.208	98	261966	9.406	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	94.06%	
83) 4-Bromofluorobenzene	11.489	95	89872	9.466	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	94.66%	
Target Compounds						
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.506	94	106	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.357	76	605	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.963	43	511	Below Cal	#	47
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	4.168	73	222	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	5.215	96	12246	1.952	ug/L	87
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	5.479	83	4562	0.441	ug/L	# 94

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A14.D
 Acq On : 21 Sep 2019 13:39
 Operator : GONZO:PK
 Sample : l1943286-02,31,10,10,,a
 Misc : WG1287487,ICAL16127
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 15:18:45 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190921A\VG190921A03.D
 Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	6.076	78	258		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D. d	
48) Trichloroethene	6.662	95	14851	2.333	ug/L	98
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	7.288	83	95		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	0.000		0		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	8.707	166	62905	6.993	ug/L	97
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D. d	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	
73) Chlorobenzene	10.098	112	202		N.D.	
74) Ethylbenzene	10.303	91	343		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	10.303	106	89		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	11.489	91	201		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	11.851	105	108		N.D.	
89) 2-Chlorotoluene	0.000		0		N.D.	
90) 1,3,5-Trimethylbenzene	11.851	105	108		N.D.	
91) 1,2,3-Trichloropropane	0.000		0		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93) 4-Chlorotoluene	12.174	91	122		N.D.	
94) tert-Butylbenzene	12.174	119	223		N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A14.D
 Acq On : 21 Sep 2019 13:39
 Operator : GONZO:PK
 Sample : l1943286-02,31,10,10,,a
 Misc : WG1287487,ICAL16127
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 15:18:45 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190921A\VG190921A03.D
 Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	12.263	105	91		N.D.	
98)	sec-Butylbenzene	12.361	105	459		N.D.	
99)	p-Isopropyltoluene	12.507	119	104		N.D.	
100)	1,3-Dichlorobenzene	12.596	146	99		N.D.	
101)	1,4-Dichlorobenzene	12.674	146	423		N.D.	
102)	p-Diethylbenzene	0.000		0		N.D.	
103)	n-Butylbenzene	0.000		0		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
105)	1,2,4,5-Tetramethylben...	0.000		0		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108)	Hexachlorobutadiene	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	14.486	180	190		N.D.	
110)	Naphthalene	14.790	128	474		N.D.	
111)	1,2,3-Trichlorobenzene	14.956	180	202		N.D.	

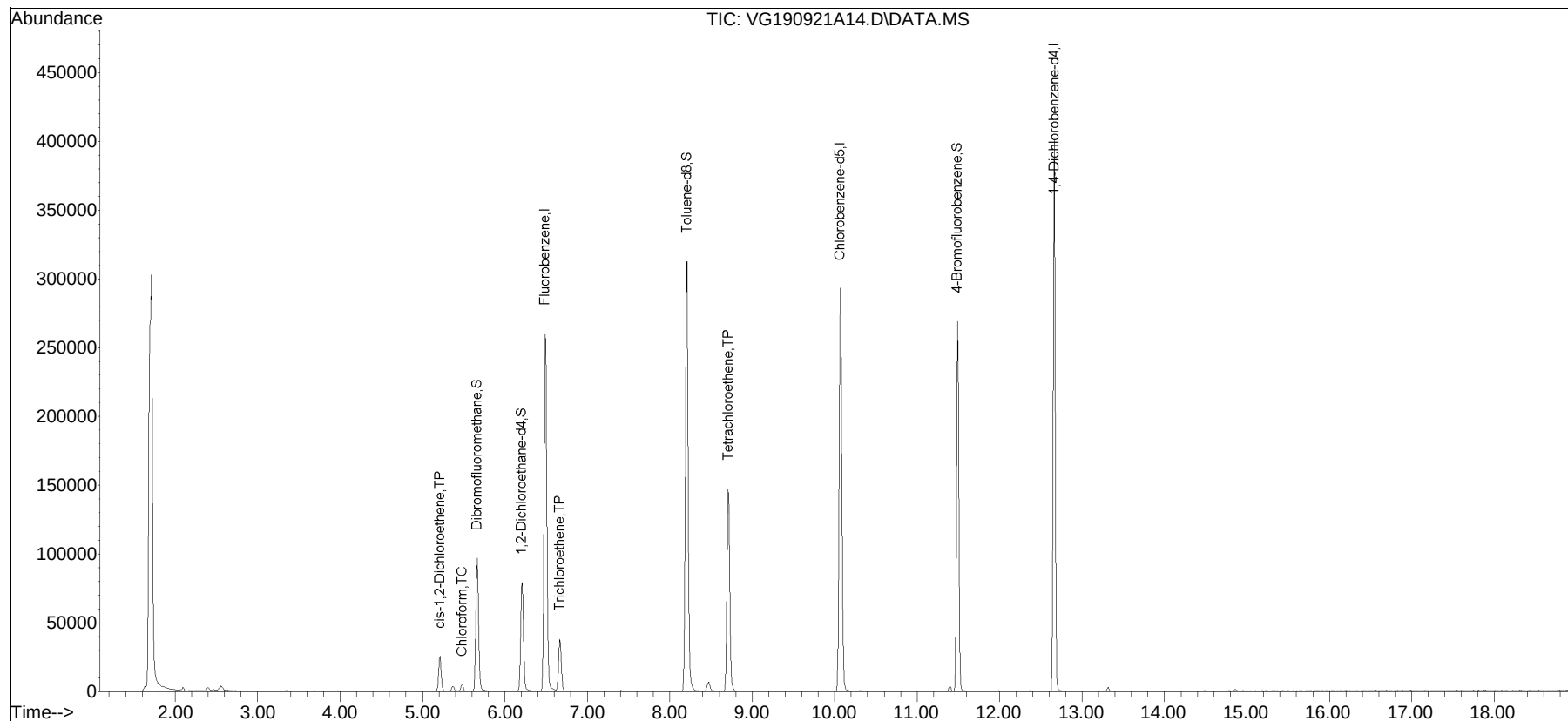
(#) = qualifier out of range (m) = manual integration (+) = signals summed

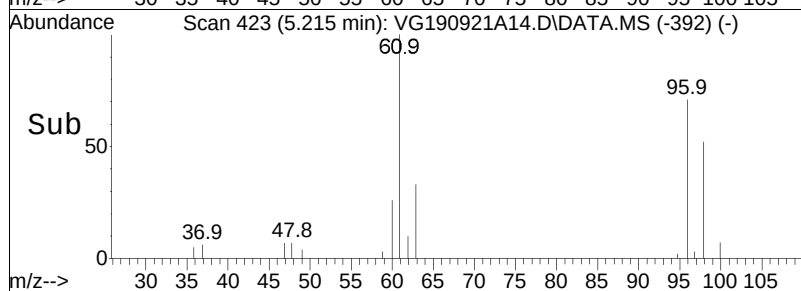
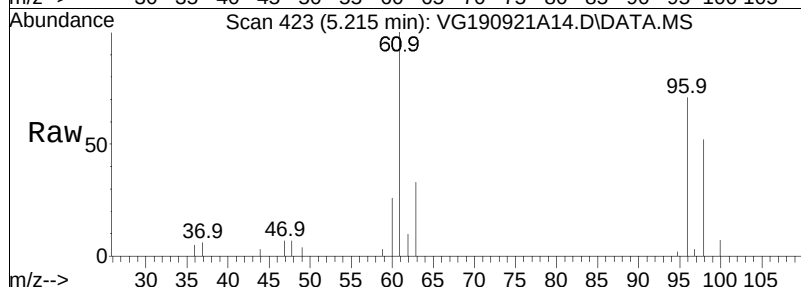
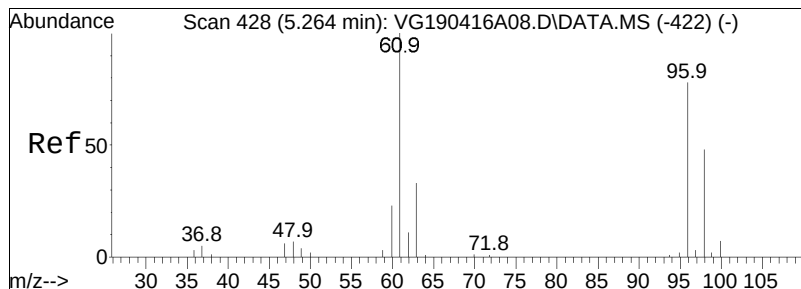
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A14.D
 Acq On : 21 Sep 2019 13:39
 Operator : GONZO:PK
 Sample : l1943286-02,31,10,10,,a
 Misc : WG1287487,ICAL16127
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 15:18:45 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox0921A\VG190921A03.D•





#28

cis-1,2-Dichloroethene

Concen: 1.95 ug/L

RT: 5.215 min Scan# 423

Delta R.T. 0.000 min

Lab File: VG190921A14.D

Acq: 21 Sep 2019 13:39

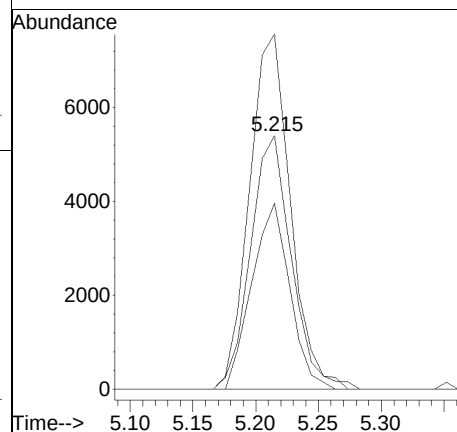
Tgt Ion: 96 Resp: 12246

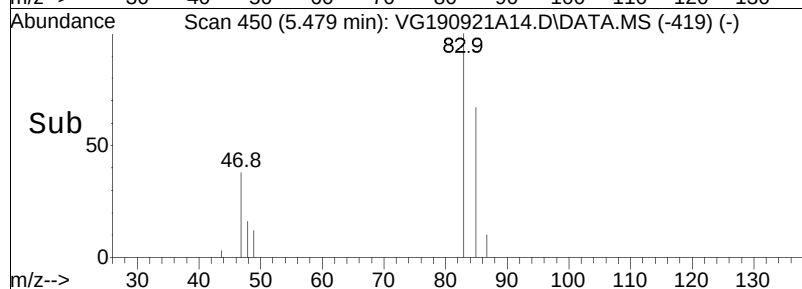
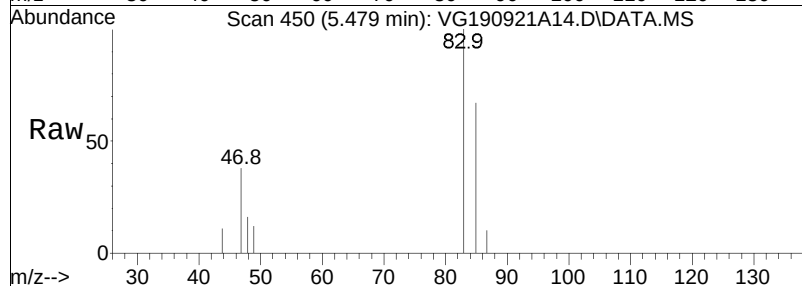
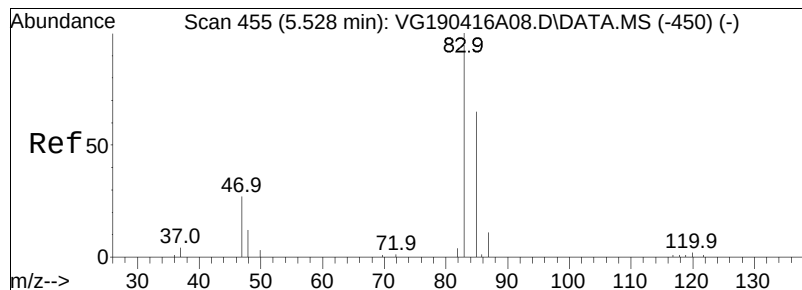
Ion Ratio Lower Upper

96 100

61 140.0 96.6 144.8

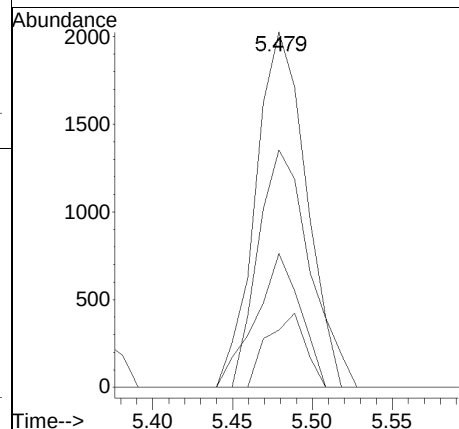
98 68.4 51.3 76.9

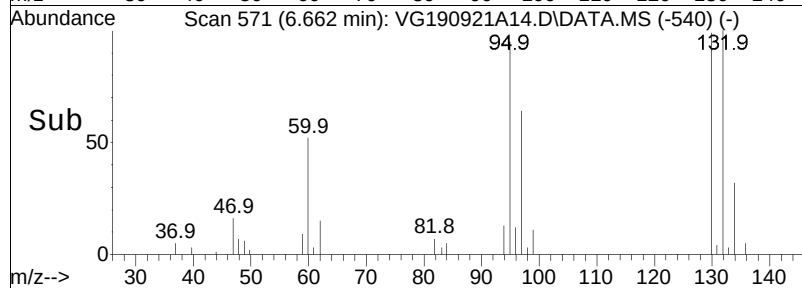
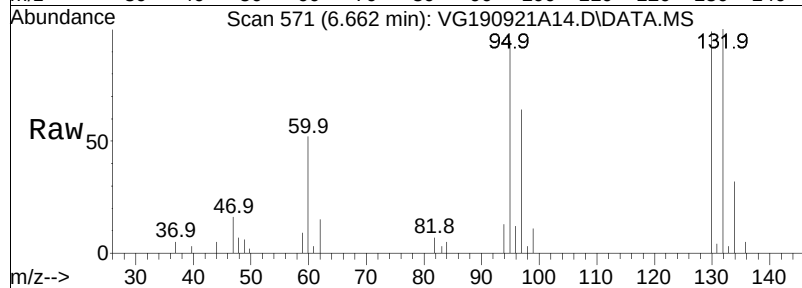
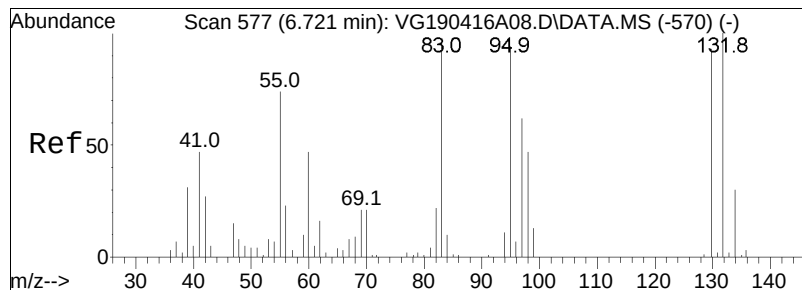




#32
 Chloroform
 Concen: 0.44 ug/L
 RT: 5.479 min Scan# 450
 Delta R.T. 0.000 min
 Lab File: VG190921A14.D
 Acq: 21 Sep 2019 13:39

Tgt	Ion: 83	Resp:	4562
Ion	Ratio	Lower	Upper
83	100		
85	64.5	41.4	86.0
47	32.7	15.1	31.3#
48	15.4	7.7	16.1





#48

Trichloroethene

Concen: 2.33 ug/L

RT: 6.662 min Scan# 571

Delta R.T. 0.000 min

Lab File: VG190921A14.D

Acq: 21 Sep 2019 13:39

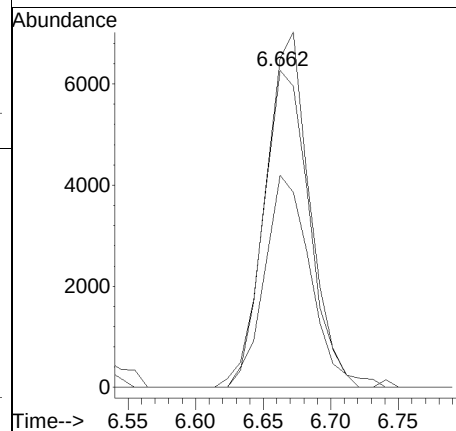
Tgt Ion: 95 Resp: 14851

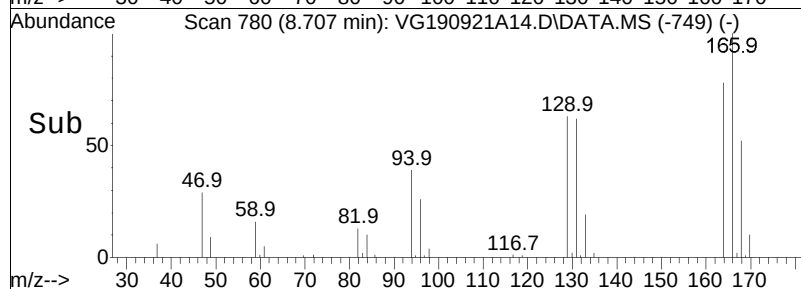
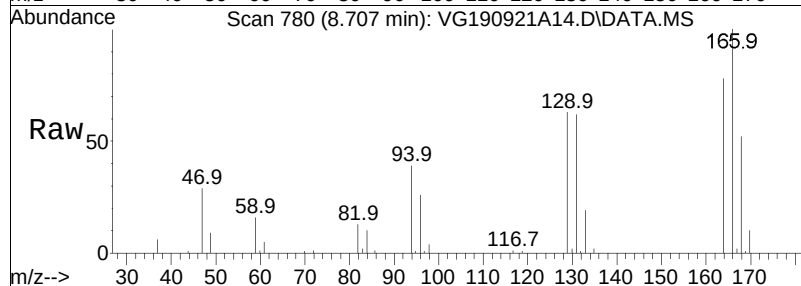
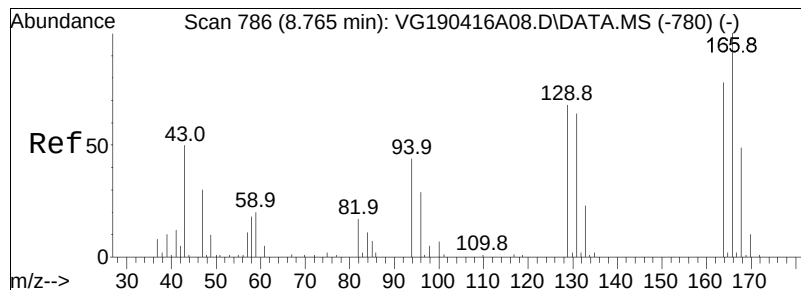
Ion Ratio Lower Upper

95 100

97 65.8 54.0 81.0

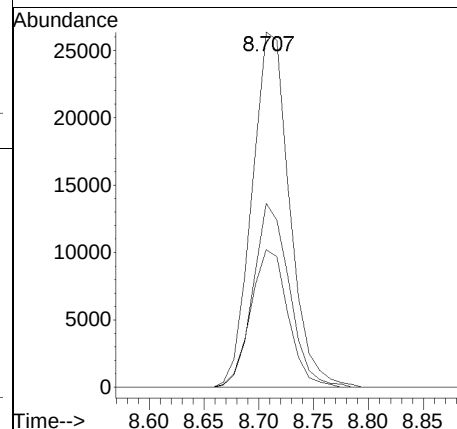
130 107.8 85.0 127.4





#63
 Tetrachloroethene
 Concen: 6.99 ug/L
 RT: 8.707 min Scan# 780
 Delta R.T. 0.000 min
 Lab File: VG190921A14.D
 Acq: 21 Sep 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	62905		
168	49.8		27.3	67.3
94	38.6		20.5	60.5



Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2019\19QMethod : G_190913_8260.m
Data File : VG190921A14.D Operator : GONZO:PK
Date Inj'd : 9/21/2019 13:39 Instrument : Gonzo
Sample : l1943286-02,31,10,10,,a Quant Date : 9/23/2019 3:16 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A23.D
 Acq On : 23 Sep 2019 15:33
 Operator : VOA108:PK
 Sample : 11943286-01D, 31, 2.5, 10,, a1
 Misc : WG1287429, ICAL16150
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 23 16:50:44 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190923A\V08190923A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.511	96	162969	10.000	ug/L	0.00
Standard Area 1 = 177933			Recovery =	91.59%		
59) Chlorobenzene-d5	8.501	117	110952	10.000	ug/L	0.00
Standard Area 1 = 123701			Recovery =	89.69%		
79) 1,4-Dichlorobenzene-d4	9.987	152	49956	10.000	ug/L	0.00
Standard Area 1 = 59279			Recovery =	84.27%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.530	113	40012	9.716	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.16%		
43) 1,2-Dichloroethane-d4	5.166	65	51658	10.045	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.45%		
60) Toluene-d8	7.207	98	155249	10.494	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.94%		
83) 4-Bromofluorobenzene	9.318	95	51042	10.204	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.04%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	1.139	62	121	N.D.		
5) Bromomethane	1.345	94	80	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	1.892	96	457	0.133	ug/L #	90
11) Carbon disulfide	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	2.528	96	14348	3.835	ug/L	90
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.	d	
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	3.858	96	691173	162.789	ug/L #	79
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	4.120	83	53	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A23.D
 Acq On : 23 Sep 2019 15:33
 Operator : VOA108:PK
 Sample : 11943286-01D, 31, 2.5, 10, , a1
 Misc : WG1287429, ICAL16150
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 23 16:50:44 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190923A\V08190923A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D. d	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	5.704	95	27595	6.158	ug/L #	86
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	6.223	83	235		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	0.000		0		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	7.611	166	50491	12.230	ug/L	92
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D. d	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	8.306	43	52		N.D.	
73) Chlorobenzene	8.493	112	54		N.D.	
74) Ethylbenzene	8.551	91	141		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	8.944	106	438		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	9.153	105	2047	0.121	ug/L	99
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	9.413	91	375		N.D.	
87) 1,1,2,2-Tetrachloroethane	9.379	83	51		N.D.	
88) 4-Ethyltoluene	0.000		0		N.D. d	
89) 2-Chlorotoluene	9.535	91	254		N.D.	
90) 1,3,5-Trimethylbenzene	9.535	105	3445	0.254	ug/L #	86
91) 1,2,3-Trichloropropane	0.000		0		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D. d	
93) 4-Chlorotoluene	9.535	91	254		N.D.	
94) tert-Butylbenzene	9.720	119	10871	0.799	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A23.D
 Acq On : 23 Sep 2019 15:33
 Operator : VOA108:PK
 Sample : l1943286-01D, 31, 2.5, 10, , a1
 Misc : WG1287429, ICAL16150
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 23 16:50:44 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190923A\V08190923A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	0.000		0	N.D.	d	
98)	sec-Butylbenzene	9.825	105	16955	1.056	ug/L	86
99)	p-Isopropyltoluene	0.000		0	N.D.	d	
100)	1,3-Dichlorobenzene	0.000		0	N.D.		
101)	1,4-Dichlorobenzene	0.000		0	N.D.		
102)	p-Diethylbenzene	0.000		0	N.D.	d	
103)	n-Butylbenzene	10.157	91	541	N.D.		
104)	1,2-Dichlorobenzene	0.000		0	N.D.		
105)	1,2,4,5-Tetramethylben...	10.545	119	646	N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108)	Hexachlorobutadiene	0.000		0	N.D.		
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
110)	Naphthalene	0.000		0	N.D.		
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

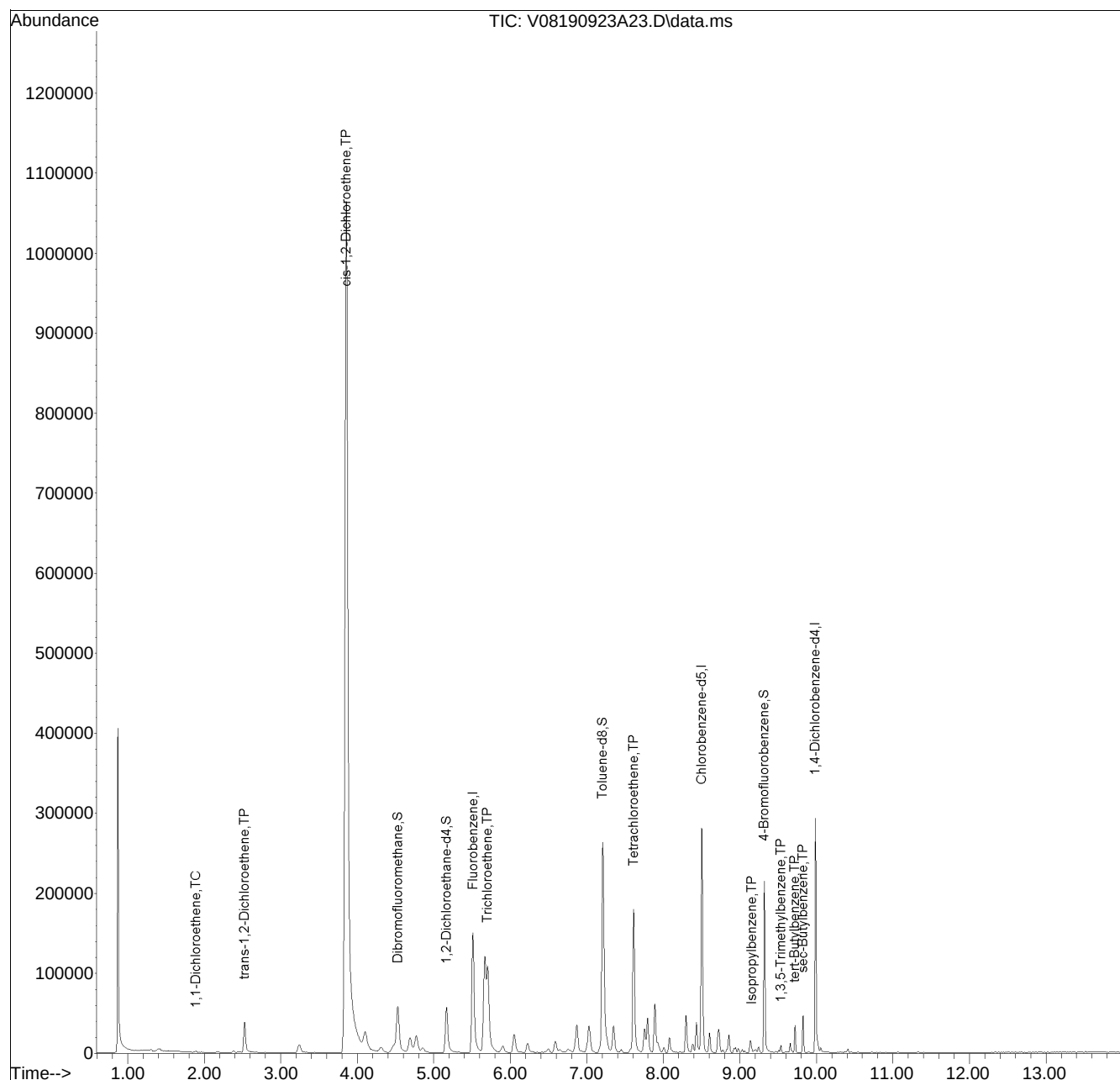
(#) = qualifier out of range (m) = manual integration (+) = signals summed

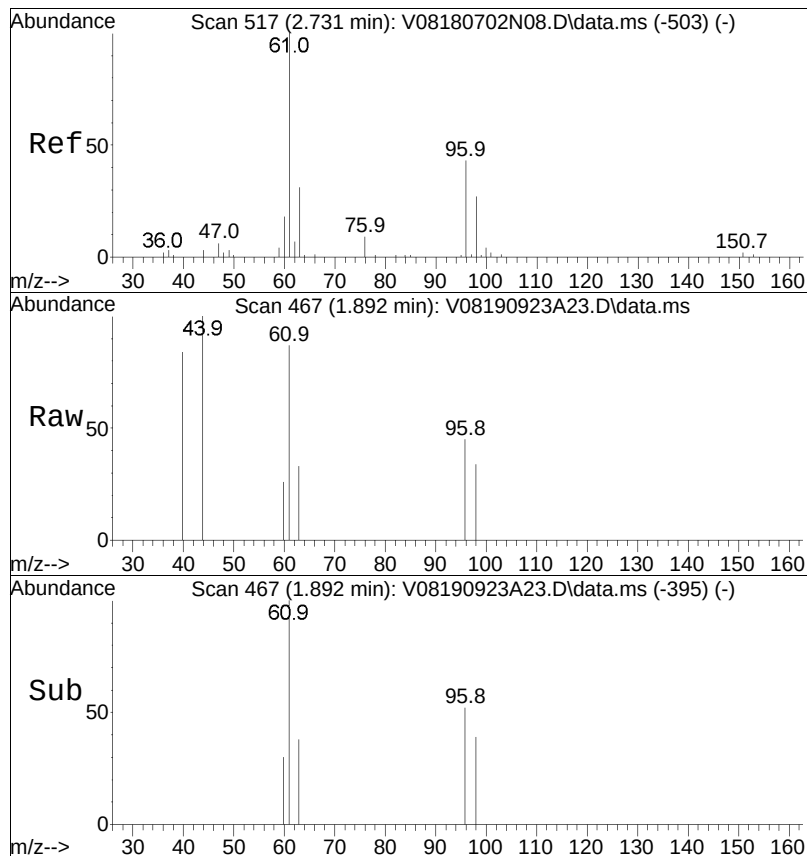
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A23.D
 Acq On : 23 Sep 2019 15:33
 Operator : VOA108:PK
 Sample : 11943286-01D, 31, 2.5, 10, , a1
 Misc : WG1287429, ICAL16150
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 23 16:50:44 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

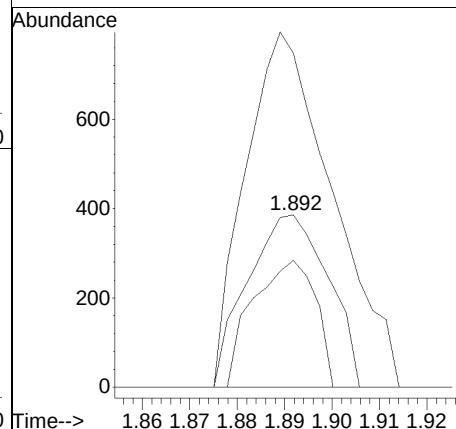
Sub List : 8260-NYTCL - Megamix plus Diox90923A\V08190923A02.D•

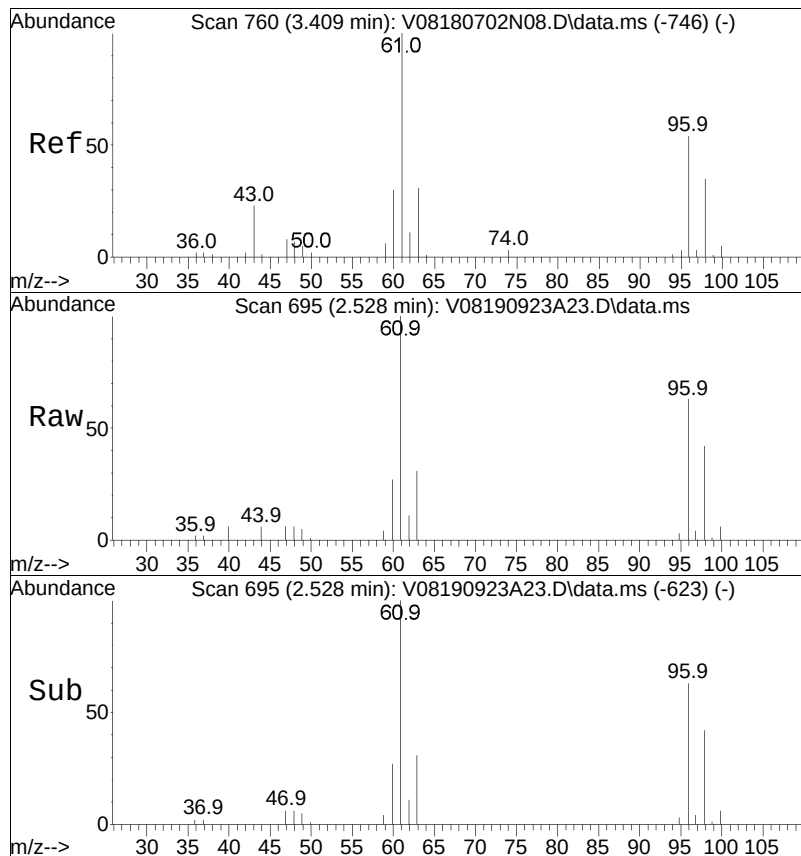




#10
 1,1-Dichloroethene
 Concen: 0.13 ug/L
 RT: 1.892 min Scan# 467
 Delta R.T. -0.000 min
 Lab File: V08190923A23.D
 Acq: 23 Sep 2019 15:33

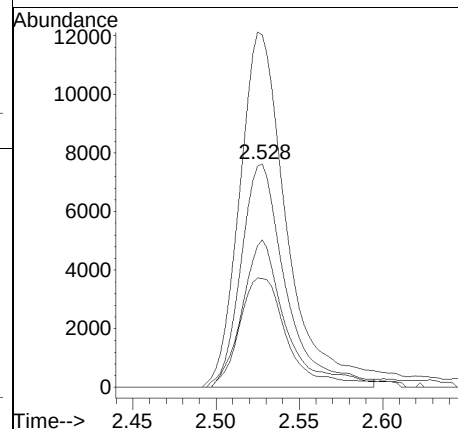
Tgt	Ion	Resp	Lower	Upper
96	100			
61	220.8	186.1	279.1	
63	57.1	57.6	86.4#	

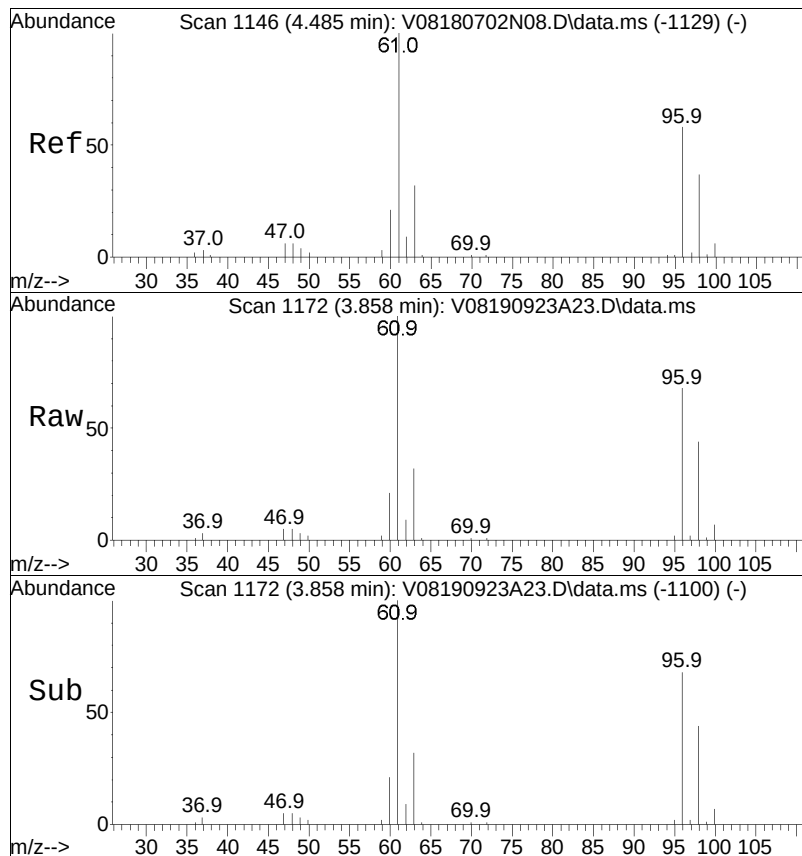




#18
 trans-1,2-Dichloroethene
 Concen: 3.84 ug/L
 RT: 2.528 min Scan# 695
 Delta R.T. -0.000 min
 Lab File: V08190923A23.D
 Acq: 23 Sep 2019 15:33

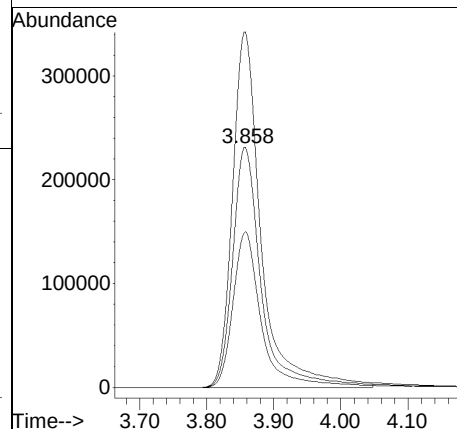
Tgt Ion:	96	Resp:	14348
Ion	Ratio	Lower	Upper
96	100		
61	170.2	124.0	257.6
98	64.3	41.2	85.6
63	53.0	38.4	79.7

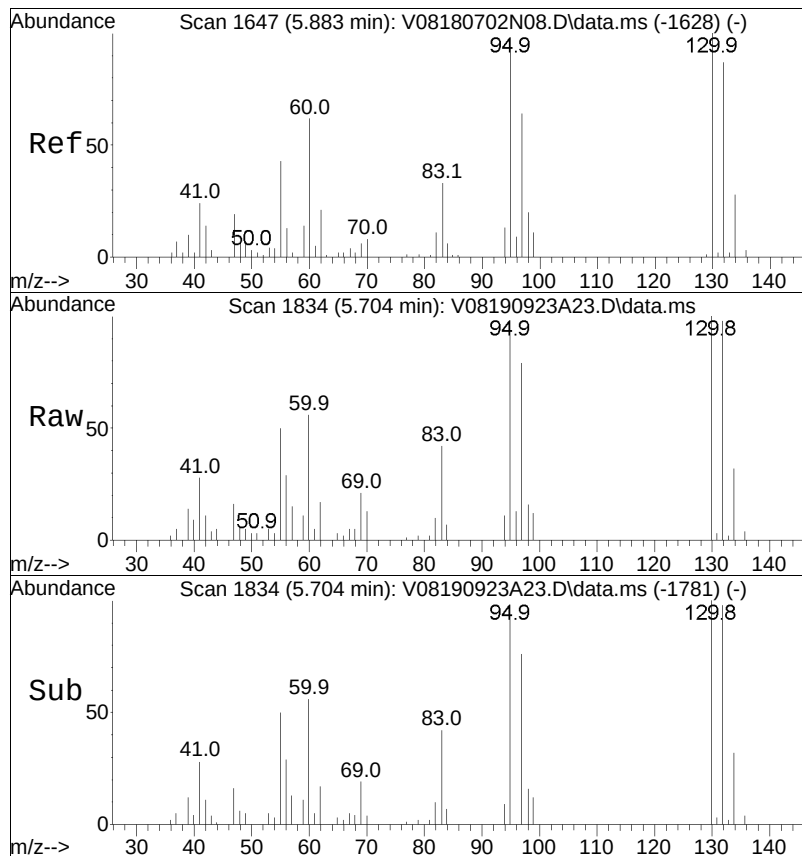




#28
 cis-1,2-Dichloroethene
 Concen: 162.79 ug/L
 RT: 3.858 min Scan# 1172
 Delta R.T. 0.000 min
 Lab File: V08190923A23.D
 Acq: 23 Sep 2019 15:33

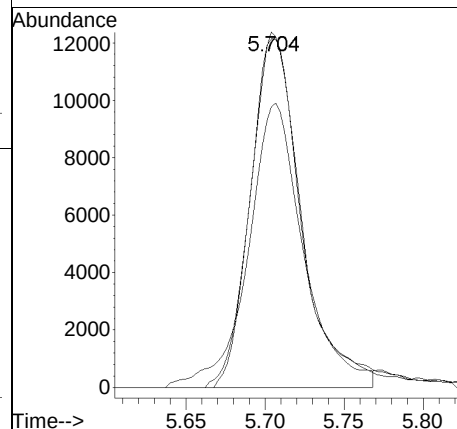
Tgt Ion:	96	Resp:	691173
Ion Ratio	Lower	Upper	
96	100		
61	147.7	149.4	224.2#
98	64.1	53.4	80.2

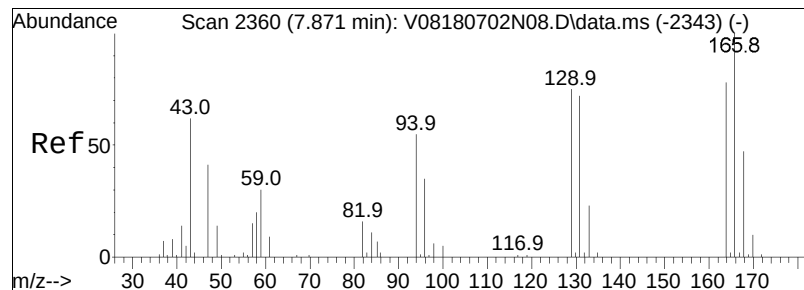




#48
 Trichloroethene
 Concen: 6.16 ug/L
 RT: 5.704 min Scan# 1834
 Delta R.T. -0.003 min
 Lab File: V08190923A23.D
 Acq: 23 Sep 2019 15:33

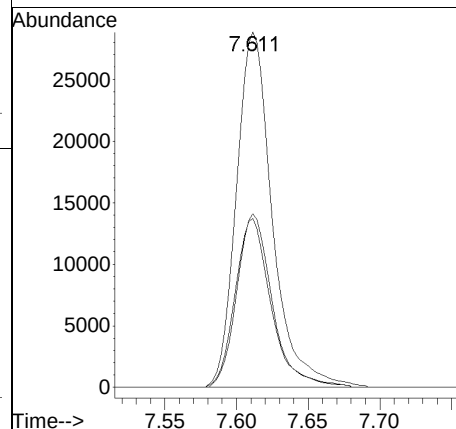
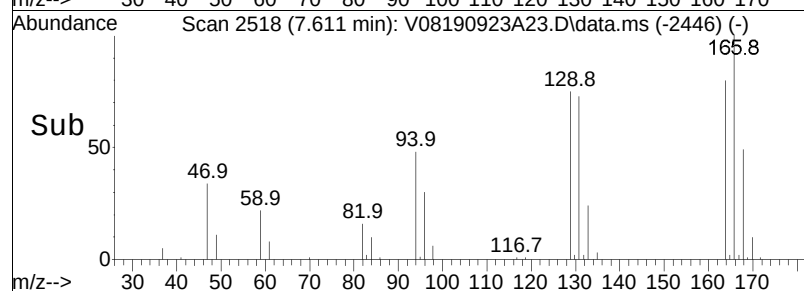
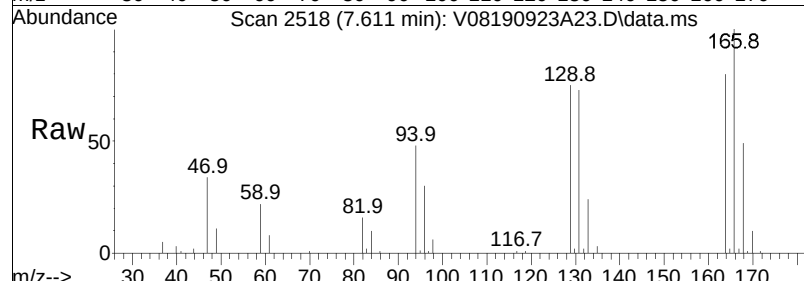
Tgt Ion:	95	Resp:	27595
Ion Ratio	Lower	Upper	
95	100		
97	89.9	55.5	83.3#
130	101.5	76.6	115.0

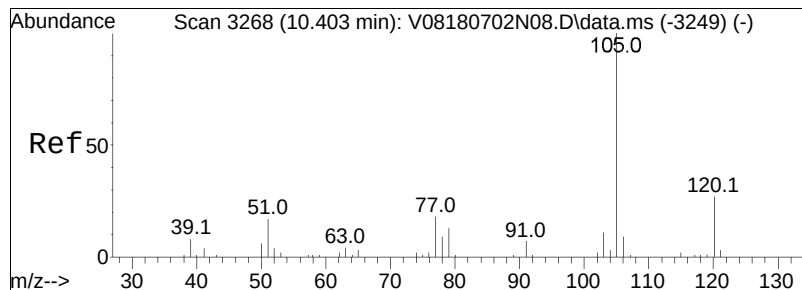




#63
Tetrachloroethene
Concen: 12.23 ug/L
RT: 7.611 min Scan# 2518
Delta R.T. -0.000 min
Lab File: V08190923A23.D
Acq: 23 Sep 2019 15:33

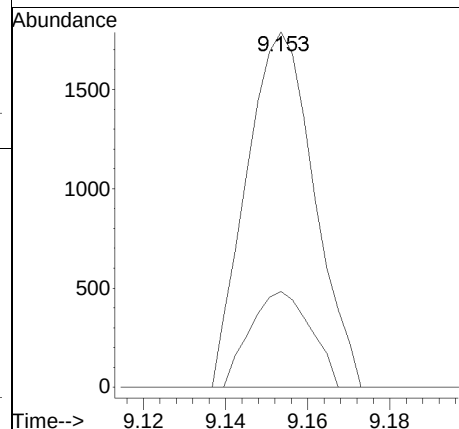
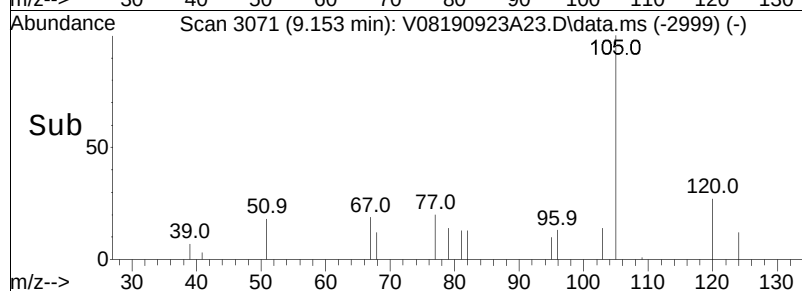
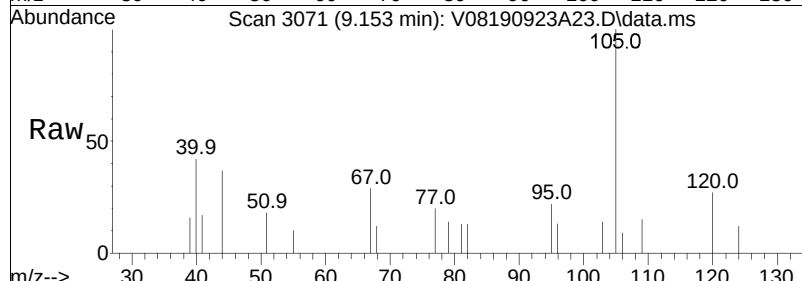
Tgt Ion	Ratio	Lower	Upper
166	100		
168	48.3	28.2	68.2
94	47.6	38.4	78.4

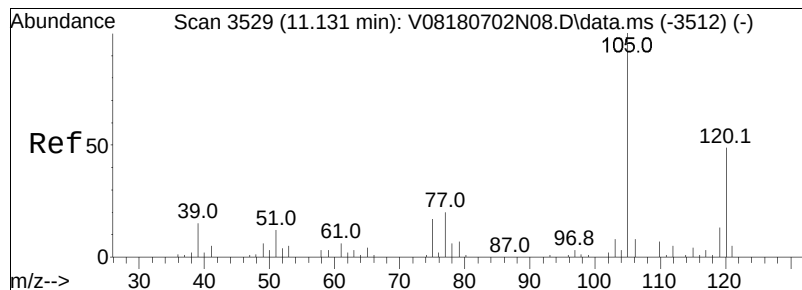




#82
 Isopropylbenzene
 Concen: 0.12 ug/L
 RT: 9.153 min Scan# 3071
 Delta R.T. -0.000 min
 Lab File: V08190923A23.D
 Acq: 23 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.1	4.8	44.8





#90

1,3,5-Trimethylbenzene

Concen: 0.25 ug/L

RT: 9.535 min Scan# 3208

Delta R.T. 0.000 min

Lab File: V08190923A23.D

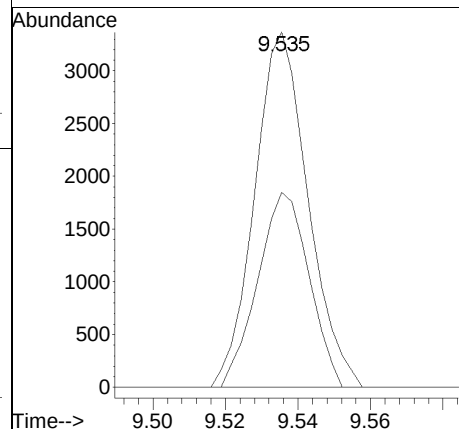
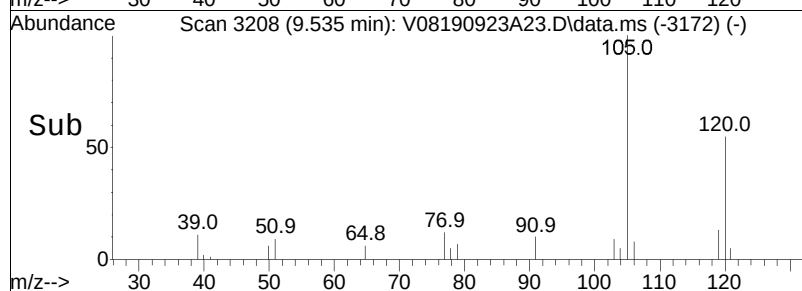
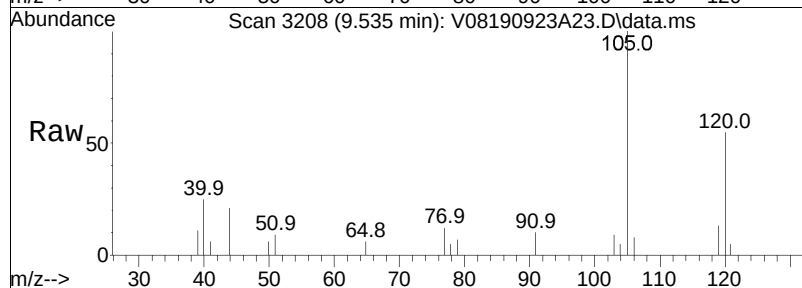
Acq: 23 Sep 2019 15:33

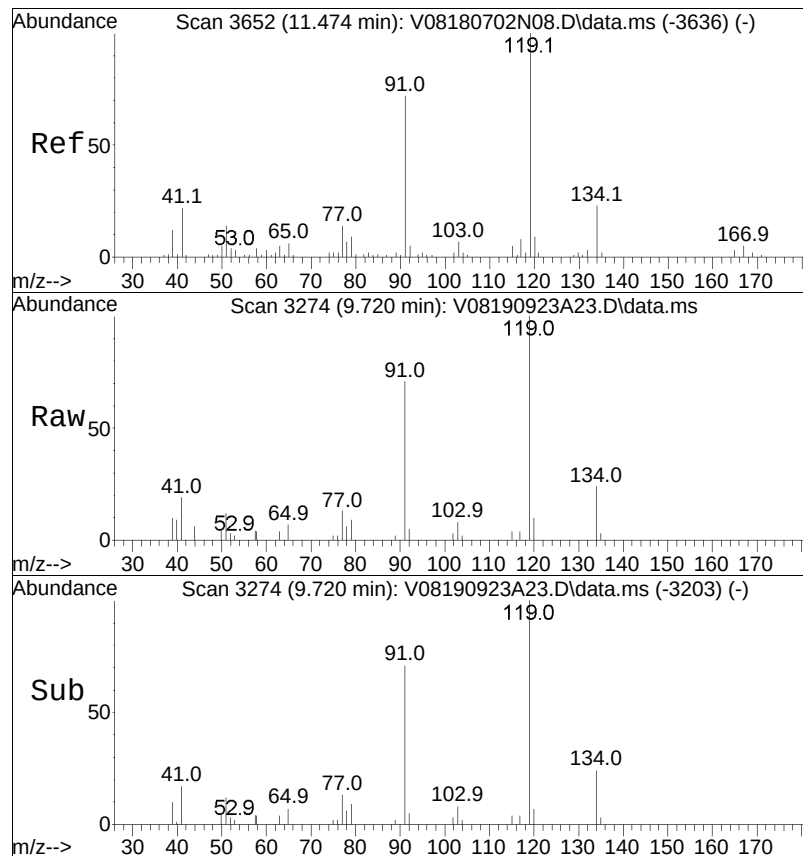
Tgt Ion:105 Resp: 3445

Ion Ratio Lower Upper

105 100

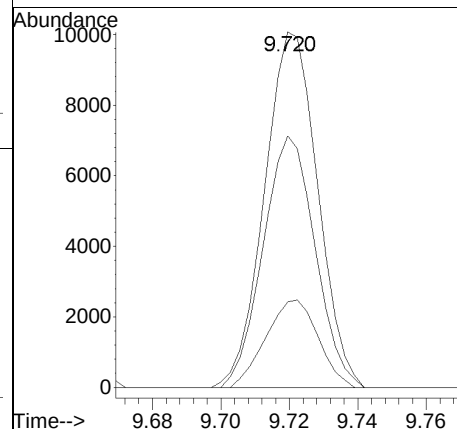
120 52.6 34.8 52.2#

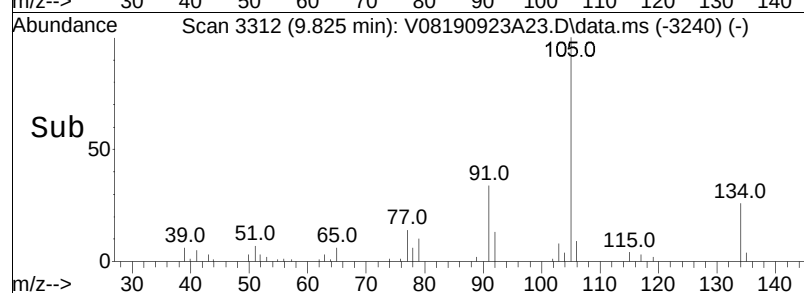
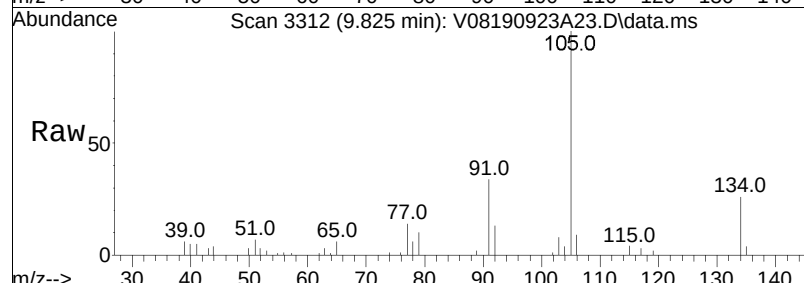
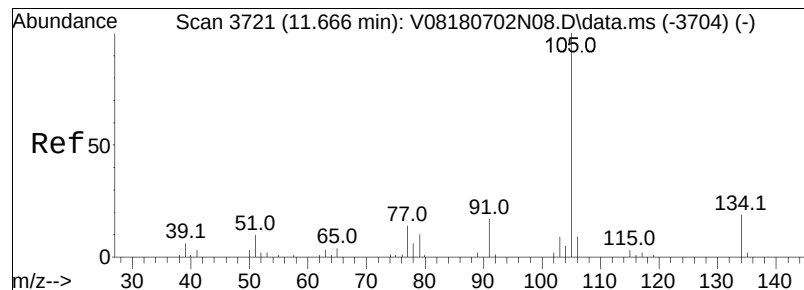




#94
 tert-Butylbenzene
 Concen: 0.80 ug/L
 RT: 9.720 min Scan# 3274
 Delta R.T. -0.003 min
 Lab File: V08190923A23.D
 Acq: 23 Sep 2019 15:33

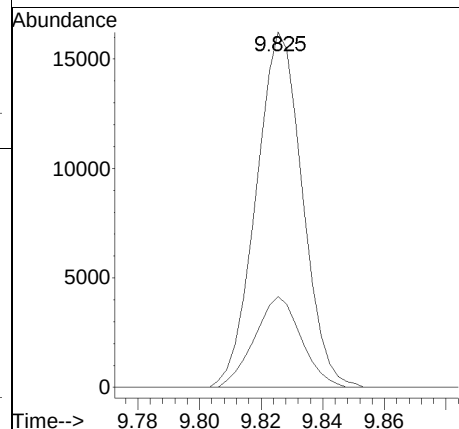
Tgt Ion:	119	Resp:	10871
Ion Ratio	Lower	Upper	
119	100		
91	69.2	51.4	77.2
134	24.2	18.3	27.5





#98
 sec-Butylbenzene
 Concen: 1.06 ug/L
 RT: 9.825 min Scan# 3312
 Delta R.T. -0.000 min
 Lab File: V08190923A23.D
 Acq: 23 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
105	100		
134	25.8	12.5	26.1



Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\1QMethod : V108_190819_8260.m
Data File : V08190923A23.D Operator : VOA108:PK
Date Inj'd : 9/23/2019 15:33 Instrument : VOA 108
Sample : l1943286-01D,31,2.5,10,,a1Quant Date : 9/23/2019 4:43 pm

There are no manual integrations or false positives in this file.

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Volatiles

Client : Impact Environmental
Project Name : FORMER UNION WIRE DIE CORP SIT
Instrument ID : GONZO
Calibration dates : 09/13/19 02:21 09/13/19 06:10
Lab Number : L1943286
Project Number : 12930
Ical Ref : ICAL16127

Calibration Files

L11 =VG190913A04.D L1 =VG190913A06.D L2 =VG190913A08.D L3 =VG190913A09.D L4 =VG190913A10.D
 L6 =VG190913A11.D L8 =VG190913A12.D L10 =VG190913A13.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----									
2) TP Dichlorodifluoromethane		0.177	0.180	0.217	0.215	0.229	0.232	0.226	0.211	11.03
3) TP Chloromethane		0.267	0.249	0.247	0.228	0.245	0.247	0.241	0.246	4.62
4) TC Vinyl chloride	0.184	0.192	0.204	0.213	0.204	0.213	0.216	0.209	0.205	5.49
5) TP Bromomethane		0.085	0.091	0.082	0.092	0.111	0.122	0.125	0.101	17.72
6) TP Chloroethane		0.139	0.125	0.121	0.114	0.119	0.120	0.117	0.122	6.92
7) TP Trichlorofluoromethane		0.289	0.287	0.337	0.329	0.360	0.370	0.363	0.334	10.29
8) TP Ethyl ether		0.085	0.088	0.087	0.080	0.087	0.086	0.085	0.085	2.82
10) TC 1,1-Dichloroethene		0.170	0.171	0.180	0.182	0.196	0.197	0.192	0.184	6.15
11) TP Carbon disulfide		0.520	0.503	0.524	0.512	0.550	0.562	0.543	0.530	4.03
12) TP Freon-113		0.152	0.165	0.198	0.201	0.215	0.215	0.208	0.193	12.82
13) TP Iodomethane		0.175	0.250	0.287	0.295	0.320	0.315	0.303	0.278	18.31
14) TP Acrolein			0.020	0.017	0.017	0.019	0.019	0.020	0.019	7.05
15) TP Methylene chloride		0.214	0.207	0.186	0.182	0.196	0.195	0.191	0.196	5.79
17) TP Acetone		0.176	0.061	0.038	0.031	0.033	0.032	0.033	*L	0.9988
18) TP trans-1,2-Dichloroethene		0.196	0.202	0.196	0.195	0.209	0.211	0.204	0.202	3.21
19) TP Methyl acetate			0.102	0.093	0.083	0.092	0.087	0.085	0.090	7.85
20) TP Methyl tert-butyl ether		0.422	0.425	0.419	0.403	0.443	0.436	0.441	0.427	3.31
21) TP tert-Butyl alcohol		0.010	0.009	0.011	0.010	0.011	0.011	0.011	0.010	6.17
22) TP Diisopropyl ether		0.689	0.659	0.649	0.609	0.665	0.655	0.638	0.652	3.80
23) TP 1,1-Dichloroethane		0.354	0.378	0.359	0.346	0.376	0.373	0.364	0.364	3.23
24) TP Halothane		0.147	0.160	0.169	0.164	0.180	0.182	0.177	0.168	7.36
25) TP Acrylonitrile		0.039	0.037	0.037	0.037	0.040	0.038	0.039	0.038	3.23
26) TP Ethyl tert-butyl ether		0.559	0.548	0.544	0.518	0.564	0.558	0.552	0.549	2.80
27) TP Vinyl acetate		0.457	0.416	0.427	0.399	0.443	0.428	0.435	0.429	4.30
28) TP cis-1,2-Dichloroethene		0.230	0.230	0.216	0.209	0.223	0.222	0.219	0.221	3.40
29) TP 2,2-Dichloropropane		0.297	0.297	0.289	0.286	0.307	0.310	0.302	0.298	2.90
30) TP Bromochloromethane		0.111	0.106	0.104	0.097	0.102	0.099	0.098	0.103	4.89
31) TP Cyclohexane		0.315	0.304	0.346	0.347	0.366	0.364	0.348	0.341	6.84
32) TC Chloroform		0.398	0.385	0.345	0.333	0.360	0.364	0.368	0.365	6.05
33) TP Ethyl acetate			0.165	0.133	0.120	0.134	0.129	0.133	0.136	11.27
34) TP Carbon tetrachloride	0.273	0.265	0.275	0.299	0.305	0.332	0.337	0.332	0.302	9.64
35) TP Tetrahydrofuran		0.054	0.042	0.040	0.034	0.039	0.037	0.038	0.040	15.71
36) S Dibromofluoromethane	0.232	0.238	0.237	0.238	0.241	0.244	0.248	0.242	0.240	2.01
37) TP 1,1,1-Trichloroethane		0.323	0.317	0.338	0.328	0.360	0.367	0.362	0.342	5.98
39) TP 2-Butanone			0.061	0.055	0.051	0.057	0.053	0.057	0.056	6.05



Initial Calibration Summary

Form 6

Volatiles

Client : Impact Environmental
Project Name : FORMER UNION WIRE DIE CORP SIT
Instrument ID : GONZO
Calibration dates : 09/13/19 02:21 09/13/19 06:10
Lab Number : L1943286
Project Number : 12930
Ical Ref : ICAL16127

Calibration Files

L11 =VG190913A04.D L1 =VG190913A06.D L2 =VG190913A08.D L3 =VG190913A09.D L4 =VG190913A10.D
 L6 =VG190913A11.D L8 =VG190913A12.D L10 =VG190913A13.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP 1,1-Dichloropropene		0.265	0.258	0.278	0.272	0.290	0.292	0.282	0.277	4.54
41) TP Benzene	0.837	0.871	0.853	0.844	0.793	0.846	0.841	0.815	0.838	2.83
42) TP tert-Amyl methyl ether		0.478	0.479	0.489	0.463	0.504	0.495	0.495	0.486	2.85
43) S 1,2-Dichloroethane-d4	0.214	0.218	0.219	0.216	0.222	0.227	0.234	0.240	0.224	4.12
44) TP 1,2-Dichloroethane		0.232	0.238	0.224	0.213	0.235	0.235	0.239	0.231	4.11
47) TP Methyl cyclohexane		0.351	0.326	0.380	0.369	0.395	0.393	0.377	0.371	6.60
48) TP Trichloroethene	0.225	0.221	0.219	0.223	0.215	0.232	0.234	0.228	0.225	2.81
50) TP Dibromomethane		0.121	0.109	0.106	0.099	0.110	0.109	0.111	0.109	6.26
51) TC 1,2-Dichloropropane		0.220	0.209	0.196	0.185	0.200	0.198	0.194	0.201	5.63
53) TP 2-Chloroethyl vinyl ether		0.085	0.096	0.102	0.092	0.103	0.099	0.101	0.097	6.55
54) TP Bromodichloromethane		0.274	0.273	0.266	0.258	0.283	0.287	0.288	0.276	4.02
57) TP 1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	5.43
58) TP cis-1,3-Dichloropropene		0.343	0.337	0.314	0.299	0.325	0.325	0.323	0.324	4.41
59) I Chlorobenzene-d5	-----ISTD-----									
60) S Toluene-d8	1.282	1.275	1.276	1.272	1.282	1.283	1.252	1.250	1.271	1.06
61) TC Toluene		0.767	0.761	0.729	0.697	0.742	0.724	0.707	0.732	3.59
62) TP 4-Methyl-2-pentanone		0.056	0.061	0.063	0.058	0.064	0.060	0.061	0.060	4.38
63) TP Tetrachloroethene		0.383	0.390	0.400	0.397	0.431	0.436	0.436	0.411	5.62
65) TP trans-1,3-Dichloropropene		0.366	0.352	0.356	0.344	0.381	0.371	0.370	0.363	3.54
67) TP Ethyl methacrylate		0.252	0.250	0.256	0.246	0.271	0.255	0.258	0.256	3.09
68) TP 1,1,2-Trichloroethane		0.182	0.176	0.172	0.160	0.175	0.167	0.168	0.171	4.10
69) TP Chlorodibromomethane		0.269	0.252	0.254	0.247	0.281	0.279	0.282	0.266	5.68
70) TP 1,3-Dichloropropane		0.378	0.356	0.339	0.319	0.351	0.337	0.336	0.345	5.43
71) TP 1,2-Dibromoethane		0.201	0.215	0.202	0.196	0.215	0.208	0.211	0.207	3.48
72) TP 2-Hexanone			0.116	0.117	0.110	0.123	0.116	0.120	0.117	3.75
73) TP Chlorobenzene		0.837	0.838	0.789	0.748	0.805	0.796	0.790	0.800	3.89
74) TC Ethylbenzene		1.447	1.429	1.414	1.355	1.460	1.456	1.407	1.424	2.57
75) TP 1,1,1,2-Tetrachloroethane		0.290	0.296	0.285	0.280	0.312	0.312	0.310	0.298	4.54
76) TP p/m Xylene		0.554	0.551	0.550	0.524	0.574	0.569	0.547	0.553	2.96
77) TP o Xylene		0.530	0.520	0.517	0.488	0.536	0.532	0.509	0.519	3.21
78) TP Styrene		0.840	0.862	0.845	0.798	0.886	0.879	0.834	0.849	3.50
79) I 1,4-Dichlorobenzene-d4	-----ISTD-----									
80) TP Bromoform		0.320	0.315	0.325	0.315	0.361	0.361	0.375	0.339	7.58
82) TP Isopropylbenzene		2.501	2.536	2.583	2.373	2.504	2.508	2.428	2.490	2.78
83) S 4-Bromofluorobenzene	0.848	0.817	0.822	0.806	0.791	0.772	0.770	0.757	0.798	3.88
84) TP Bromobenzene		0.752	0.726	0.687	0.633	0.685	0.698	0.694	0.697	5.30



Initial Calibration Summary

Form 6

Volatiles

Client : Impact Environmental
Project Name : FORMER UNION WIRE DIE CORP SIT
Instrument ID : GONZO
Calibration dates : 09/13/19 02:21 09/13/19 06:10
Lab Number : L1943286
Project Number : 12930
Ical Ref : ICAL16127

Calibration Files

L11 =VG190913A04.D L1 =VG190913A06.D L2 =VG190913A08.D L3 =VG190913A09.D L4 =VG190913A10.D
 L6 =VG190913A11.D L8 =VG190913A12.D L10 =VG190913A13.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP n-Propylbenzene	3.083	2.954	3.042	2.770	2.903	2.919	2.779	2.921	4.08	
86) TP 1,4-Dichlorobutane	0.594	0.574	0.541	0.487	0.510	0.492	0.499	0.528	8.00	
87) TP 1,1,2,2-Tetrachloroethane	0.393	0.392	0.394	0.350	0.371	0.358	0.365	0.375	4.92	
88) TP 4-Ethyltoluene	2.387	2.362	2.418	2.217	2.340	2.356	2.281	2.337	2.90	
89) TP 2-Chlorotoluene	1.684	1.705	1.690	1.524	1.611	1.611	1.633	1.637	3.86	
90) TP 1,3,5-Trimethylbenzene	2.134	2.097	2.114	1.940	2.056	2.060	1.967	2.052	3.59	
91) TP 1,2,3-Trichloropropane	0.357	0.311	0.318	0.285	0.304	0.290	0.291	0.308	8.00	
92) TP trans-1,4-Dichloro-2-b...	0.078	0.090	0.091	0.088	0.096	0.093	0.098	0.091	7.17	
93) TP 4-Chlorotoluene	1.878	1.813	1.738	1.593	1.689	1.695	1.665	1.724	5.54	
94) TP tert-Butylbenzene	1.832	1.846	1.878	1.742	1.859	1.875	1.817	1.836	2.54	
97) TP 1,2,4-Trimethylbenzene	2.103	2.102	2.049	1.884	2.041	2.029	1.954	2.023	3.91	
98) TP sec-Butylbenzene	2.526	2.367	2.563	2.367	2.520	2.489	2.380	2.459	3.44	
99) TP p-Isopropyltoluene	2.272	2.282	2.373	2.208	2.396	2.406	2.276	2.316	3.26	
100) TP 1,3-Dichlorobenzene	1.346	1.334	1.250	1.172	1.269	1.276	1.224	1.267	4.76	
101) TP 1,4-Dichlorobenzene	1.384	1.345	1.272	1.177	1.257	1.258	1.223	1.274	5.53	
102) TP p-Diethylbenzene	1.266	1.274	1.339	1.250	1.354	1.339	1.273	1.299	3.29	
103) TP n-Butylbenzene	1.843	1.912	2.053	1.930	2.028	1.992	1.862	1.946	4.17	
104) TP 1,2-Dichlorobenzene	1.265	1.194	1.119	1.039	1.125	1.114	1.089	1.135	6.49	
105) TP 1,2,4,5-Tetramethylben...	1.883	1.939	1.948	1.832	1.916	1.898	1.822	1.891	2.60	
106) TP 1,2-Dibromo-3-chloropr...	0.043	0.064	0.067	0.062	0.067	0.065	0.069	0.063	13.98	
107) TP 1,3,5-Trichlorobenzene	0.981	1.020	0.994	0.925	0.964	0.974	0.945	0.972	3.23	
108) TP Hexachlorobutadiene	0.406	0.408	0.435	0.427	0.451	0.457	0.458	0.435	5.05	
109) TP 1,2,4-Trichlorobenzene	0.863	0.857	0.817	0.771	0.787	0.788	0.795	0.811	4.46	
110) TP Naphthalene	1.270	1.157	1.140	1.069	1.096	1.063	1.101	1.128	6.35	
111) TP 1,2,3-Trichlorobenzene	0.642	0.672	0.644	0.609	0.632	0.633	0.639	0.639	2.90	

Initial Calibration Summary

Form 6

Volatiles

Client : Impact Environmental
Project Name : FORMER UNION WIRE DIE CORP SIT
Instrument ID : VOA108
Calibration dates : 09/20/19 01:48 09/20/19 05:06
Lab Number : L1943286
Project Number : 12930
Ical Ref : ICAL16150

Calibration Files

L11 =V08190919A04.D L1 =V08190919A06.D L2 =V08190919A08.D L3 =V08190919A09.D L4 =V08190919A10.D
 L6 =V08190919A11.D L8 =V08190919A12.D L10 =V08190919A13.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----									
2) TP Dichlorodifluo		0.246	0.209	0.246	0.236	0.251	0.253	0.258	0.243	6.76
3) TP Chloromethane		0.344	0.274	0.277	0.265	0.269	0.271	0.278	0.283	9.76
4) TC Vinyl chloride	0.269	0.337	0.269	0.299	0.276	0.303	0.301	0.305	0.295	7.74
5) TP Bromomethane		0.292	0.229	0.211	0.178	0.184	0.190	0.196	0.211	18.66
6) TP Chloroethane		0.226	0.212	0.201	0.181	0.186	0.167	0.167	0.192	11.81
7) TP Trichlorofluor		0.411	0.365	0.421	0.392	0.417	0.417	0.414	0.405	4.97
8) TP Ethyl ether		0.140	0.115	0.115	0.105	0.119	0.121	0.125	0.120	9.02
10) TC 1,1-Dichloroet		0.231	0.182	0.211	0.189	0.219	0.220	0.225	0.211	8.76
11) TP Carbon disulfide		0.737	0.617	0.649	0.615	0.672	0.681	0.696	0.667	6.57
12) TP Freon-113		0.211	0.180	0.230	0.200	0.218	0.218	0.224	0.212	7.93
13) TP Iodomethane			0.163	0.187	0.209	0.268	0.281	0.282	*Q	0.9974
14) TP Acrolein		0.026	0.026	0.032	0.031	0.037	0.035	0.037	0.032#	14.74
15) TP Methylene chlo		0.314	0.262	0.237	0.218	0.239	0.240	0.244	0.251	12.19
17) TP Acetone			0.065	0.052	0.047	0.049	0.049	0.049	0.052#	12.60
18) TP trans-1,2-Dich		0.235	0.222	0.227	0.211	0.234	0.236	0.243	0.230	4.64
19) TP Methyl acetate			0.124	0.114	0.108	0.119	0.120	0.121	0.118	4.72
20) TP Methyl tert butyl ether		0.812	0.646	0.557	0.566	0.609	0.611	0.609	0.630	13.61
21) TP tert-Butyl alc		0.019	0.016	0.017	0.017	0.018	0.018	0.017	0.017#	5.29
22) TP Diisopropyl ether		1.050	0.851	0.791	0.746	0.803	0.805	0.807	0.836	11.86
23) TP 1,1-Dichloroet		0.545	0.486	0.475	0.431	0.468	0.447	0.476	0.476	7.57
24) TP Halothane		0.151	0.156	0.184	0.171	0.181	0.181	0.185	0.173	8.09
25) TP Acrylonitrile		0.064	0.056	0.066	0.062	0.065	0.066	0.068	0.064	6.23
26) TP Ethyl tert-but		1.012	0.862	0.789	0.730	0.806	0.811	0.816	0.832	10.61
27) TP Vinyl acetate		0.376	0.458	0.512	0.496	0.564	0.567	0.568	0.506	14.10
28) TP cis-1,2-Dichlo		0.291	0.261	0.239	0.246	0.255	0.259	0.272	0.261	6.58
29) TP 2,2-Dichloropr		0.384	0.339	0.359	0.344	0.363	0.359	0.356	0.358	4.03
30) TP Bromochloromet		0.125	0.118	0.119	0.106	0.123	0.119	0.119	0.118	4.94
31) TP Cyclohexane		0.432	0.383	0.446	0.407	0.441	0.443	0.443	0.428	5.60
32) TC Chloroform		0.569	0.466	0.460	0.421	0.446	0.445	0.449	0.465	10.29
33) TP Ethyl acetate			0.580	0.267	0.217	0.213	0.202	0.196	*L	0.9994
34) TP Carbon tetrachloride	0.315	0.362	0.301	0.327	0.312	0.333	0.334	0.333	0.327	5.67
35) TP Tetrahydrofuran			0.040	0.043	0.047	0.048	0.048	0.049	0.046#	7.31
36) S Dibromofluoromethane	0.248	0.254	0.260	0.256	0.254	0.245	0.248	0.258	0.253	2.11
37) TP 1,1,1-Trichlor		0.435	0.391	0.421	0.386	0.414	0.412	0.416	0.411	4.11
39) TP 2-Butanone			0.056	0.067	0.078	0.091	0.086	0.087	0.078#	17.61



Initial Calibration Summary

Form 6

Volatiles

Client : Impact Environmental
Project Name : FORMER UNION WIRE DIE CORP SIT
Instrument ID : VOA108
Calibration dates : 09/20/19 01:48 09/20/19 05:06
Lab Number : L1943286
Project Number : 12930
Ical Ref : ICAL16150

Calibration Files

L11 =V08190919A04.D L1 =V08190919A06.D L2 =V08190919A08.D L3 =V08190919A09.D L4 =V08190919A10.D
 L6 =V08190919A11.D L8 =V08190919A12.D L10 =V08190919A13.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP 1,1-Dichloropr		0.359	0.300	0.338	0.299	0.333	0.333	0.334	0.328	6.58
41) TP Benzene	1.210	1.218	0.976	0.960	0.889	0.962	0.967	0.974	1.020	12.09
42) TP Tertiary-Amyl Methyl Ether		0.867	0.691	0.648	0.605	0.672	0.667	0.671	0.689	12.09
43) S 1,2-Dichloroethane-d4	0.325	0.314	0.321	0.357	0.306	0.300	0.297	0.304	0.316	6.20
44) TP 1,2-Dichloroet		0.488	0.391	0.371	0.341	0.361	0.356	0.351	0.380	13.23
47) TP Methyl cyclohe		0.427	0.336	0.409	0.386	0.418	0.423	0.425	0.403	8.18
48) TP Trichloroethene	0.337	0.309	0.264	0.261	0.242	0.261	0.262	0.263	0.275	11.42
50) TP Dibromomethane		0.178	0.157	0.149	0.142	0.152	0.152	0.152	0.154	7.38
51) TC 1,2-Dichloropr		0.336	0.264	0.263	0.243	0.263	0.264	0.266	0.271	10.87
53) TP 2-Chloroethyl		0.200	0.156	0.155	0.152	0.168	0.167	0.168	0.167	9.79
54) TP Bromodichlorom		0.458	0.377	0.362	0.338	0.366	0.367	0.368	0.377	10.07
57) TP 1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	6.99
58) TP cis-1,3-Dichlo		0.495	0.419	0.401	0.380	0.423	0.427	0.432	0.425	8.36
59) I Chlorobenzene-d5	-----ISTD-----									
60) S Toluene-d8	1.362	1.359	1.349	1.336	1.313	1.315	1.318	1.314	1.333	1.60
61) TC Toluene		1.078	0.875	0.843	0.788	0.855	0.871	0.862	0.882	10.35
62) TP 4-Methyl-2-pen		0.135	0.105	0.100	0.100	0.111	0.110	0.106	0.110	10.99
63) TP Tetrachloroethene		0.438	0.349	0.366	0.347	0.367	0.372	0.367	0.372	8.21
65) TP trans-1,3-Dich		0.593	0.504	0.467	0.456	0.508	0.518	0.506	0.508	8.73
67) TP Ethyl methacry		0.414	0.332	0.346	0.346	0.391	0.388	0.377	0.371	8.05
68) TP 1,1,2-Trichlor		0.312	0.260	0.232	0.220	0.236	0.239	0.231	0.247	12.63
69) TP Chlorodibromom		0.431	0.366	0.338	0.327	0.354	0.356	0.344	0.359	9.52
70) TP 1,3-Dichloropr		0.696	0.533	0.470	0.447	0.480	0.483	0.468	0.511	16.80
71) TP 1,2-Dibromoethane		0.369	0.292	0.267	0.256	0.281	0.281	0.271	0.288	13.00
72) TP 2-Hexanone		0.248	0.172	0.173	0.171	0.188	0.183	0.174	0.187	14.75
73) TP Chlorobenzene		1.257	1.016	0.927	0.857	0.926	0.928	0.899	0.973	13.79
74) TC Ethylbenzene		2.065	1.669	1.634	1.542	1.654	1.648	1.587	1.686	10.26
75) TP 1,1,1,2-Tetrac		0.446	0.378	0.331	0.317	0.342	0.342	0.331	0.355	12.40
76) TP p/m Xylene		0.766	0.624	0.623	0.588	0.636	0.632	0.608	0.640	9.05
77) TP o Xylene		0.744	0.623	0.594	0.565	0.603	0.598	0.576	0.615	9.78
78) TP Styrene		1.188	1.035	0.973	0.950	1.024	1.012	0.960	1.020	7.94
79) I 1,4-Dichlorobenzene-d4	-----ISTD-----									
80) TP Bromoform		0.544	0.441	0.398	0.413	0.463	0.468	0.443	0.453	10.46
82) TP Isopropylbenzene		4.079	3.414	3.220	3.139	3.342	3.345	3.100	3.377	9.78
83) S 4-Bromofluorobenzene	1.029	1.014	1.018	0.989	1.001	1.016	0.996	0.947	1.001	2.56
84) TP Bromobenzene		1.087	0.864	0.732	0.726	0.787	0.793	0.759	0.821	15.38



Initial Calibration Summary

Form 6

Volatiles

Client : Impact Environmental
Project Name : FORMER UNION WIRE DIE CORP SIT
Instrument ID : VOA108
Calibration dates : 09/20/19 01:48 09/20/19 05:06
Lab Number : L1943286
Project Number : 12930
Ical Ref : ICAL16150

Calibration Files

L11 =V08190919A04.D L1 =V08190919A06.D L2 =V08190919A08.D L3 =V08190919A09.D L4 =V08190919A10.D
 L6 =V08190919A11.D L8 =V08190919A12.D L10 =V08190919A13.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP n-Propylbenzene	4.724	3.888	3.658	3.660	3.886	3.896	3.618	3.904	9.79	
86) TP 1,4-Dichlorobu	1.424	1.076	0.929	0.929	0.978	0.974	0.901	1.030	17.73	
87) TP 1,1,2,2-Tetrac	1.009	0.750	0.630	0.629	0.670	0.669	0.629	0.712	19.36	
88) TP 4-Ethyltoluene	3.731	3.006	2.924	2.942	3.105	3.100	2.919	3.104	9.26	
89) TP 2-Chlorotoluene	3.345	2.726	2.476	2.475	2.604	2.597	2.436	2.666	11.85	
90) TP 1,3,5-Trimethy	3.227	2.716	2.528	2.578	2.709	2.717	2.542	2.717	8.84	
91) TP 1,2,3-Trichlor	0.941	0.615	0.517	0.516	0.540	0.539	0.504	*L	0.9989	
92) TP trans-1,4-Dich	0.203	0.189	0.172	0.177	0.187	0.189	0.172	0.184	6.10	
93) TP 4-Chlorotoluene	3.074	2.489	2.206	2.228	2.339	2.339	2.174	2.407	13.00	
94) TP tert-Butylbenzene	3.317	2.623	2.614	2.613	2.661	2.692	2.541	2.723	9.78	
95) TP Pentachloroethane	0.682	0.385	0.501	0.520	0.479	0.514	0.472	0.508	17.56	
97) TP 1,2,4-Trimethy	3.216	2.748	2.530	2.543	2.657	2.678	2.505	2.697	9.11	
98) TP sec-Butylbenzene	4.002	3.150	3.114	3.035	3.142	3.139	2.909	3.213	11.16	
99) TP p-Isopropyltol	3.431	2.776	2.727	2.726	2.847	2.875	2.691	2.868	8.98	
100) TP 1,3-Dichlorobe	1.949	1.563	1.408	1.380	1.446	1.470	1.415	1.519	13.08	
101) TP 1,4-Dichlorobe	2.096	1.595	1.442	1.400	1.469	1.498	1.434	1.562	15.60	
102) TP p-Diethylbenzene	1.924	1.573	1.509	1.530	1.642	1.684	1.606	1.638	8.55	
103) TP n-Butylbenzene	3.334	2.454	2.469	2.467	2.624	2.645	2.468	2.637	12.04	
104) TP 1,2-Dichlorobe	1.898	1.476	1.323	1.303	1.364	1.391	1.336	1.442	14.52	
105) TP 1,2,4,5-Tetram	2.472	2.236	2.252	2.369	2.669	2.774	2.635	2.487	8.53	
106) TP 1,2-Dibromo-3-	0.107	0.092	0.092	0.094	0.107	0.110	0.108	0.102	8.12	
107) TP 1,3,5-Trichlor	1.259	1.059	0.921	0.946	1.069	1.127	1.096	1.068	10.63	
108) TP Hexachlorobuta	0.521	0.457	0.428	0.421	0.476	0.504	0.489	0.471	7.98	
109) TP 1,2,4-Trichlor	1.235	0.990	0.873	0.882	1.023	1.073	1.046	1.018	12.10	
110) TP Naphthalene	2.594	2.051	1.866	1.967	2.252	2.333	2.197	2.180	11.25	
111) TP 1,2,3-Trichlor	1.073	0.904	0.796	0.816	0.943	0.982	0.961	0.925	10.42	

Response Factor Report Gonzo

Method Path : I:\VOLATILES\Gonzo\2019\190913\
 Method File : G_190913_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Fri Sep 13 12:14:31 2019
 Response Via : Initial Calibration

Calibration Files

L11 =VG190913A04.D L1 =VG190913A06.D L2 =VG190913A08.D L3 =VG190913A09.D L4 =VG190913A10.D
 L6 =VG190913A11.D L8 =VG190913A12.D L10 =VG190913A13.D

Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
-----ISTD-----											
1) I	Fluorobenzene										
2) TP	Dichlorodifluo...	0.177	0.180	0.217	0.215	0.229	0.232	0.226	0.211	11.03	
3) TP	Chloromethane	0.267	0.249	0.247	0.228	0.245	0.247	0.241	0.246	4.62	
4) TC	Vinyl chloride	0.184 0.192	0.204	0.213	0.204	0.213	0.216	0.209	0.205	5.49	
5) TP	Bromomethane	0.085	0.091	0.082	0.092	0.111	0.122	0.125	0.101	17.72	
6) TP	Chloroethane	0.139	0.125	0.121	0.114	0.119	0.120	0.117	0.122	6.92	
7) TP	Trichlorofluor...	0.289	0.287	0.337	0.329	0.360	0.370	0.363	0.334	10.29	
8) TP	Ethyl ether	0.085	0.088	0.087	0.080	0.087	0.086	0.085	0.085	2.82	
10) TC	1,1-Dichloroet...	0.170	0.171	0.180	0.182	0.196	0.197	0.192	0.184	6.15	
11) TP	Carbon disulfide	0.520	0.503	0.524	0.512	0.550	0.562	0.543	0.530	4.03	
12) TP	Freon-113	0.152	0.165	0.198	0.201	0.215	0.215	0.208	0.193	12.82	
13) TP	Iodomethane	0.175	0.250	0.287	0.295	0.320	0.315	0.303	0.278	18.31	
14) TP	Acrolein		0.020	0.017	0.017	0.019	0.019	0.020	0.019	7.05	
15) TP	Methylene chlo...	0.214	0.207	0.186	0.182	0.196	0.195	0.191	0.196	5.79	
17) TP	Acetone	0.176	0.061	0.038	0.031	0.033	0.032	0.033	*L	0.9988	
18) TP	trans-1,2-Dich...	0.196	0.202	0.196	0.195	0.209	0.211	0.204	0.202	3.21	
19) TP	Methyl acetate		0.102	0.093	0.083	0.092	0.087	0.085	0.090	7.85	
20) TP	Methyl tert-bu...	0.422	0.425	0.419	0.403	0.443	0.436	0.441	0.427	3.31	
21) TP	tert-Butyl alc...	0.010	0.009	0.011	0.010	0.011	0.011	0.011	0.010	6.17	
22) TP	Diisopropyl ether	0.689	0.659	0.649	0.609	0.665	0.655	0.638	0.652	3.80	
23) TP	1,1-Dichloroet...	0.354	0.378	0.359	0.346	0.376	0.373	0.364	0.364	3.23	
24) TP	Halothane	0.147	0.160	0.169	0.164	0.180	0.182	0.177	0.168	7.36	
25) TP	Acrylonitrile	0.039	0.037	0.037	0.037	0.040	0.038	0.039	0.038	3.23	
26) TP	Ethyl tert-but...	0.559	0.548	0.544	0.518	0.564	0.558	0.552	0.549	2.80	
27) TP	Vinyl acetate	0.457	0.416	0.427	0.399	0.443	0.428	0.435	0.429	4.30	
28) TP	cis-1,2-Dichlo...	0.230	0.230	0.216	0.209	0.223	0.222	0.219	0.221	3.40	
29) TP	2,2-Dichloropr...	0.297	0.297	0.289	0.286	0.307	0.310	0.302	0.298	2.90	
30) TP	Bromochloromet...	0.111	0.106	0.104	0.097	0.102	0.099	0.098	0.103	4.89	
31) TP	Cyclohexane	0.315	0.304	0.346	0.347	0.366	0.364	0.348	0.341	6.84	
32) TC	Chloroform	0.398	0.385	0.345	0.333	0.360	0.364	0.368	0.365	6.05	
33) TP	Ethyl acetate		0.165	0.133	0.120	0.134	0.129	0.133	0.136	11.27	

Response Factor Report Gonzo

Method Path : I:\VOLATILES\Gonzo\2019\190913\
 Method File : G_190913_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Fri Sep 13 12:14:31 2019
 Response Via : Initial Calibration

Calibration Files

L11 =VG190913A04.D L1 =VG190913A06.D L2 =VG190913A08.D L3 =VG190913A09.D L4 =VG190913A10.D
 L6 =VG190913A11.D L8 =VG190913A12.D L10 =VG190913A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP Carbon tetrach...	0.273	0.265	0.275	0.299	0.305	0.332	0.337	0.332	0.302	9.64
35)	TP Tetrahydrofuran		0.054	0.042	0.040	0.034	0.039	0.037	0.038	0.040	15.71
36)	S Dibromofluorom...	0.232	0.238	0.237	0.238	0.241	0.244	0.248	0.242	0.240	2.01
37)	TP 1,1,1-Trichlor...		0.323	0.317	0.338	0.328	0.360	0.367	0.362	0.342	5.98
39)	TP 2-Butanone			0.061	0.055	0.051	0.057	0.053	0.057	0.056	6.05
40)	TP 1,1-Dichloropr...		0.265	0.258	0.278	0.272	0.290	0.292	0.282	0.277	4.54
41)	TP Benzene	0.837	0.871	0.853	0.844	0.793	0.846	0.841	0.815	0.838	2.83
42)	TP tert-Amyl meth...		0.478	0.479	0.489	0.463	0.504	0.495	0.495	0.486	2.85
43)	S 1,2-Dichloroet...	0.214	0.218	0.219	0.216	0.222	0.227	0.234	0.240	0.224	4.12
44)	TP 1,2-Dichloroet...		0.232	0.238	0.224	0.213	0.235	0.235	0.239	0.231	4.11
47)	TP Methyl cyclohe...		0.351	0.326	0.380	0.369	0.395	0.393	0.377	0.371	6.60
48)	TP Trichloroethene	0.225	0.221	0.219	0.223	0.215	0.232	0.234	0.228	0.225	2.81
50)	TP Dibromomethane		0.121	0.109	0.106	0.099	0.110	0.109	0.111	0.109	6.26
51)	TC 1,2-Dichloropr...		0.220	0.209	0.196	0.185	0.200	0.198	0.194	0.201	5.63
53)	TP 2-Chloroethyl ...		0.085	0.096	0.102	0.092	0.103	0.099	0.101	0.097	6.55
54)	TP Bromodichlorom...		0.274	0.273	0.266	0.258	0.283	0.287	0.288	0.276	4.02
57)	TP 1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	5.43
58)	TP cis-1,3-Dichlo...		0.343	0.337	0.314	0.299	0.325	0.325	0.323	0.324	4.41
59)	I Chlorobenzene-d5	-----ISTD-----									
60)	S Toluene-d8	1.282	1.275	1.276	1.272	1.282	1.283	1.252	1.250	1.271	1.06
61)	TC Toluene		0.767	0.761	0.729	0.697	0.742	0.724	0.707	0.732	3.59
62)	TP 4-Methyl-2-pen...		0.056	0.061	0.063	0.058	0.064	0.060	0.061	0.060	4.38
63)	TP Tetrachloroethene		0.383	0.390	0.400	0.397	0.431	0.436	0.436	0.411	5.62
65)	TP trans-1,3-Dich...		0.366	0.352	0.356	0.344	0.381	0.371	0.370	0.363	3.54
67)	TP Ethyl methacry...		0.252	0.250	0.256	0.246	0.271	0.255	0.258	0.256	3.09
68)	TP 1,1,2-Trichlor...		0.182	0.176	0.172	0.160	0.175	0.167	0.168	0.171	4.10
69)	TP Chlorodibromom...		0.269	0.252	0.254	0.247	0.281	0.279	0.282	0.266	5.68
70)	TP 1,3-Dichloropr...		0.378	0.356	0.339	0.319	0.351	0.337	0.336	0.345	5.43
71)	TP 1,2-Dibromoethane		0.201	0.215	0.202	0.196	0.215	0.208	0.211	0.207	3.48
72)	TP 2-Hexanone			0.116	0.117	0.110	0.123	0.116	0.120	0.117	3.75
73)	TP Chlorobenzene		0.837	0.838	0.789	0.748	0.805	0.796	0.790	0.800	3.89

Response Factor Report Gonzo

Method Path : I:\VOLATILES\Gonzo\2019\190913\
 Method File : G_190913_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Fri Sep 13 12:14:31 2019
 Response Via : Initial Calibration

Calibration Files

L11 =VG190913A04.D L1 =VG190913A06.D L2 =VG190913A08.D L3 =VG190913A09.D L4 =VG190913A10.D
 L6 =VG190913A11.D L8 =VG190913A12.D L10 =VG190913A13.D

Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74)	TC Ethylbenzene	1.447	1.429	1.414	1.355	1.460	1.456	1.407	1.424	2.57	
75)	TP 1,1,1,2-Tetrac...	0.290	0.296	0.285	0.280	0.312	0.312	0.310	0.298	4.54	
76)	TP p/m Xylene	0.554	0.551	0.550	0.524	0.574	0.569	0.547	0.553	2.96	
77)	TP o Xylene	0.530	0.520	0.517	0.488	0.536	0.532	0.509	0.519	3.21	
78)	TP Styrene	0.840	0.862	0.845	0.798	0.886	0.879	0.834	0.849	3.50	
79)	I 1,4-Dichlorobenzene-d4	-----ISTD-----									
80)	TP Bromoform	0.320	0.315	0.325	0.315	0.361	0.361	0.375	0.339	7.58	
82)	TP Isopropylbenzene	2.501	2.536	2.583	2.373	2.504	2.508	2.428	2.490	2.78	
83)	S 4-Bromofluorob...	0.848	0.817	0.822	0.806	0.791	0.772	0.770	0.757	0.798	3.88
84)	TP Bromobenzene	0.752	0.726	0.687	0.633	0.685	0.698	0.694	0.697	5.30	
85)	TP n-Propylbenzene	3.083	2.954	3.042	2.770	2.903	2.919	2.779	2.921	4.08	
86)	TP 1,4-Dichlorobu...	0.594	0.574	0.541	0.487	0.510	0.492	0.499	0.528	8.00	
87)	TP 1,1,2,2-Tetrac...	0.393	0.392	0.394	0.350	0.371	0.358	0.365	0.375	4.92	
88)	TP 4-Ethyltoluene	2.387	2.362	2.418	2.217	2.340	2.356	2.281	2.337	2.90	
89)	TP 2-Chlorotoluene	1.684	1.705	1.690	1.524	1.611	1.611	1.633	1.637	3.86	
90)	TP 1,3,5-Trimethy...	2.134	2.097	2.114	1.940	2.056	2.060	1.967	2.052	3.59	
91)	TP 1,2,3-Trichlor...	0.357	0.311	0.318	0.285	0.304	0.290	0.291	0.308	8.00	
92)	TP trans-1,4-Dich...	0.078	0.090	0.091	0.088	0.096	0.093	0.098	0.091	7.17	
93)	TP 4-Chlorotoluene	1.878	1.813	1.738	1.593	1.689	1.695	1.665	1.724	5.54	
94)	TP tert-Butylbenzene	1.832	1.846	1.878	1.742	1.859	1.875	1.817	1.836	2.54	
97)	TP 1,2,4-Trimethy...	2.103	2.102	2.049	1.884	2.041	2.029	1.954	2.023	3.91	
98)	TP sec-Butylbenzene	2.526	2.367	2.563	2.367	2.520	2.489	2.380	2.459	3.44	
99)	TP p-Isopropyltol...	2.272	2.282	2.373	2.208	2.396	2.406	2.276	2.316	3.26	
100)	TP 1,3-Dichlorobe...	1.346	1.334	1.250	1.172	1.269	1.276	1.224	1.267	4.76	
101)	TP 1,4-Dichlorobe...	1.384	1.345	1.272	1.177	1.257	1.258	1.223	1.274	5.53	
102)	TP p-Diethylbenzene	1.266	1.274	1.339	1.250	1.354	1.339	1.273	1.299	3.29	
103)	TP n-Butylbenzene	1.843	1.912	2.053	1.930	2.028	1.992	1.862	1.946	4.17	
104)	TP 1,2-Dichlorobe...	1.265	1.194	1.119	1.039	1.125	1.114	1.089	1.135	6.49	
105)	TP 1,2,4,5-Tetram...	1.883	1.939	1.948	1.832	1.916	1.898	1.822	1.891	2.60	
106)	TP 1,2-Dibromo-3-...	0.043	0.064	0.067	0.062	0.067	0.065	0.069	0.063	13.98	
107)	TP 1,3,5-Trichlor...	0.981	1.020	0.994	0.925	0.964	0.974	0.945	0.972	3.23	

Response Factor Report Gonzo

Method Path : I:\VOLATILES\Gonzo\2019\190913\
 Method File : G_190913_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Fri Sep 13 12:14:31 2019
 Response Via : Initial Calibration

Calibration Files

L11 =VG190913A04.D L1 =VG190913A06.D L2 =VG190913A08.D L3 =VG190913A09.D L4 =VG190913A10.D
 L6 =VG190913A11.D L8 =VG190913A12.D L10 =VG190913A13.D

Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
108)	TP Hexachlorobuta...	0.406	0.408	0.435	0.427	0.451	0.457	0.458	0.435	5.05	
109)	TP 1,2,4-Trichlor...	0.863	0.857	0.817	0.771	0.787	0.788	0.795	0.811	4.46	
110)	TP Naphthalene	1.270	1.157	1.140	1.069	1.096	1.063	1.101	1.128	6.35	
111)	TP 1,2,3-Trichlor...	0.642	0.672	0.644	0.609	0.632	0.633	0.639	0.639	2.90	

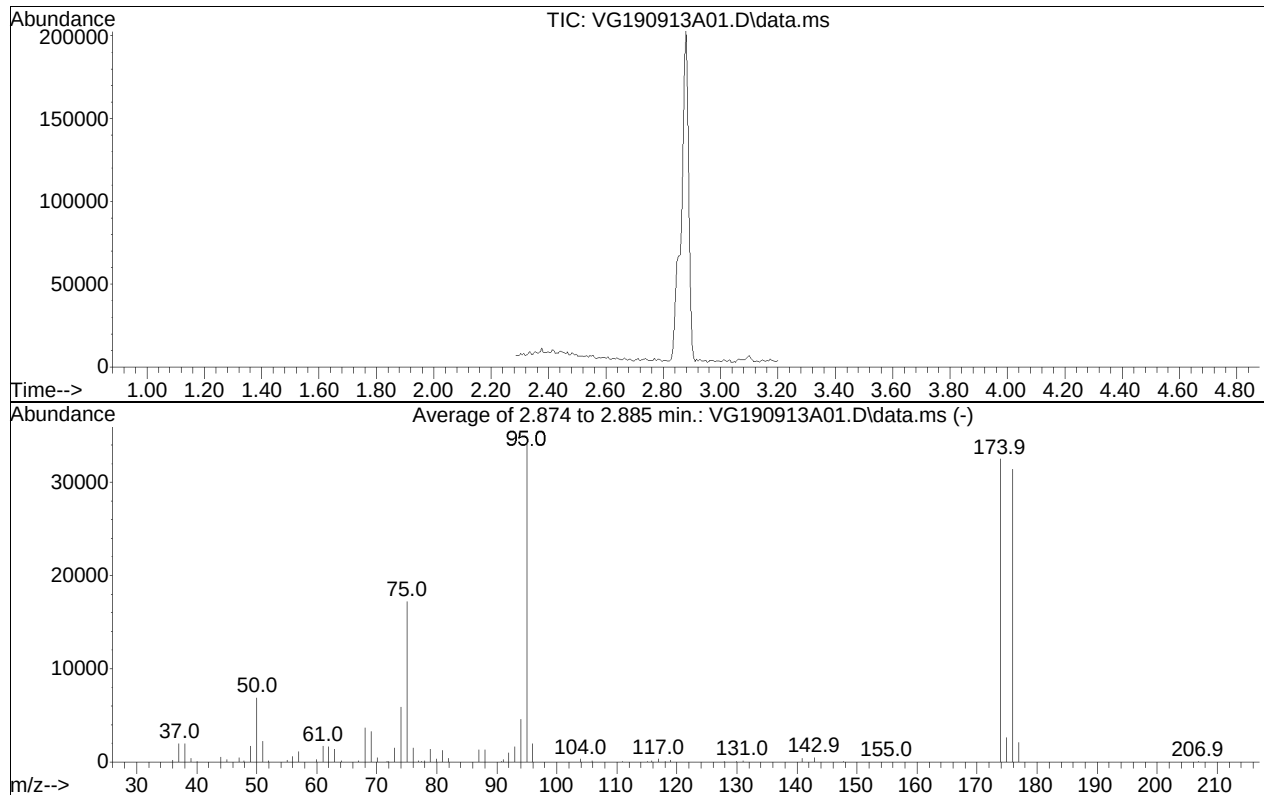
(#) = Out of Range

BFB

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A01.D
 Acq On : 13 Sep 2019 1:09 am
 Operator : GONZO:PD
 Sample : WG1283852-1
 Misc : WG1283852
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Fri Sep 13 11:50:58 2019



AutoFind: Scans 113, 114, 115; Background Corrected with Scan 101

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.1	6899	PASS
75	95	30	60	50.3	17212	PASS
95	95	100	100	100.0	34248	PASS
96	95	5	9	5.8	1999	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	94.9	32507	PASS
175	174	5	9	8.0	2602	PASS
176	174	95	101	96.5	31381	PASS
177	176	5	9	6.8	2127	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A04.D
 Acq On : 13 Sep 2019 2:21 am
 Operator : GONZO:PD
 Sample : I8260STD.2PPB
 Misc : WG1283852,ICAL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 13 12:15:17 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.486	96	328186	10.000	ug/L	0.00
Standard Area 1 = 319529			Recovery = 102.71%			
59) Chlorobenzene-d5	10.068	117	235670	10.000	ug/L	0.00
Standard Area 1 = 235132			Recovery = 100.23%			
79) 1,4-Dichlorobenzene-d4	12.664	152	120933	10.000	ug/L	0.00
Standard Area 1 = 130310			Recovery = 92.80%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.665	113	76133	9.668	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.68%			
43) 1,2-Dichloroethane-d4	6.203	65	70171	9.550	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.50%			
60) Toluene-d8	8.198	98	302160	10.084	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.84%			
83) 4-Bromofluorobenzene	11.489	95	102606	10.634	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.34%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	0.000		0	N.D.	d	
4) Vinyl chloride	2.153	62	1208	0.180	ug/L	81
5) Bromomethane	0.000		0	N.D.	d	
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.	d	
8) Ethyl ether	0.000		0	N.D.	d	
10) 1,1-Dichloroethene	0.000		0	N.D.	d	
11) Carbon disulfide	0.000		0	N.D.	d	
12) Freon-113	0.000		0	N.D.	d	
13) Iodomethane	0.000		0	N.D.	d	
14) Acrolein	0.000		0	N.D.	d	
15) Methylene chloride	0.000		0	N.D.	d	
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	d	
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	0.000		0	N.D.	d	
21) tert-Butyl alcohol	0.000		0	N.D.	d	
22) Diisopropyl ether	0.000		0	N.D.	d	
23) 1,1-Dichloroethane	0.000		0	N.D.	d	
24) Halothane	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A04.D
 Acq On : 13 Sep 2019 2:21 am
 Operator : GONZO:PD
 Sample : I8260STD.2PPB
 Misc : WG1283852,ICAL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 13 12:15:17 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	0.000		0		N.D.	
26) Ethyl tert-butyl ether	0.000		0		N.D. d	
27) Vinyl acetate	0.000		0		N.D. d	
28) cis-1,2-Dichloroethene	0.000		0		N.D. d	
29) 2,2-Dichloropropane	0.000		0		N.D. d	
30) Bromochloromethane	0.000		0		N.D. d	
31) Cyclohexane	0.000		0		N.D. d	
32) Chloroform	0.000		0		N.D. d	
33) Ethyl acetate	0.000		0		N.D. d	
34) Carbon tetrachloride	5.616	117	1795	0.181	ug/L	91
35) Tetrahydrofuran	0.000		0		N.D. d	
37) 1,1,1-Trichloroethane	0.000		0		N.D. d	
39) 2-Butanone	0.000		0		N.D. d	
40) 1,1-Dichloropropene	0.000		0		N.D. d	
41) Benzene	6.066	78	5493	0.200	ug/L #	86
42) tert-Amyl methyl ether	0.000		0		N.D. d	
44) 1,2-Dichloroethane	0.000		0		N.D. d	
47) Methyl cyclohexane	0.000		0		N.D. d	
48) Trichloroethene	6.672	95	1478	0.201	ug/L	94
50) Dibromomethane	0.000		0		N.D. d	
51) 1,2-Dichloropropane	0.000		0		N.D. d	
53) 2-Chloroethyl vinyl ether	0.000		0		N.D. d	
54) Bromodichloromethane	0.000		0		N.D. d	
57) 1,4-Dioxane	0.000		0		N.D. d	
58) cis-1,3-Dichloropropene	0.000		0		N.D. d	
61) Toluene	0.000		0		N.D. d	
62) 4-Methyl-2-pentanone	0.000		0		N.D. d	
63) Tetrachloroethene	0.000		0		N.D. d	
65) trans-1,3-Dichloropropene	0.000		0		N.D. d	
67) Ethyl methacrylate	0.000		0		N.D. d	
68) 1,1,2-Trichloroethane	0.000		0		N.D. d	
69) Chlorodibromomethane	0.000		0		N.D. d	
70) 1,3-Dichloropropane	0.000		0		N.D. d	
71) 1,2-Dibromoethane	0.000		0		N.D. d	
72) 2-Hexanone	0.000		0		N.D. d	
73) Chlorobenzene	0.000		0		N.D. d	
74) Ethylbenzene	0.000		0		N.D. d	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D. d	
76) p/m Xylene	0.000		0		N.D. d	
77) o Xylene	0.000		0		N.D. d	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A04.D
 Acq On : 13 Sep 2019 2:21 am
 Operator : GONZO:PD
 Sample : I8260STD.2PPB
 Misc : WG1283852,ICAL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 13 12:15:17 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Styrene	0.000		0	N.D.	d	
80) Bromoform	0.000		0	N.D.	d	
82) Isopropylbenzene	0.000		0	N.D.	d	
84) Bromobenzene	0.000		0	N.D.	d	
85) n-Propylbenzene	0.000		0	N.D.	d	
86) 1,4-Dichlorobutane	0.000		0	N.D.	d	
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	d	
88) 4-Ethyltoluene	0.000		0	N.D.	d	
89) 2-Chlorotoluene	0.000		0	N.D.	d	
90) 1,3,5-Trimethylbenzene	0.000		0	N.D.	d	
91) 1,2,3-Trichloropropane	0.000		0	N.D.	d	
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.	d	
93) 4-Chlorotoluene	0.000		0	N.D.	d	
94) tert-Butylbenzene	0.000		0	N.D.	d	
97) 1,2,4-Trimethylbenzene	0.000		0	N.D.	d	
98) sec-Butylbenzene	0.000		0	N.D.	d	
99) p-Isopropyltoluene	0.000		0	N.D.	d	
100) 1,3-Dichlorobenzene	0.000		0	N.D.	d	
101) 1,4-Dichlorobenzene	0.000		0	N.D.	d	
102) p-Diethylbenzene	0.000		0	N.D.	d	
103) n-Butylbenzene	0.000		0	N.D.	d	
104) 1,2-Dichlorobenzene	0.000		0	N.D.	d	
105) 1,2,4,5-Tetramethylben...	0.000		0	N.D.	d	
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
107) 1,3,5-Trichlorobenzene	0.000		0	N.D.	d	
108) Hexachlorobutadiene	0.000		0	N.D.	d	
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.	d	
110) Naphthalene	0.000		0	N.D.	d	
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.	d	

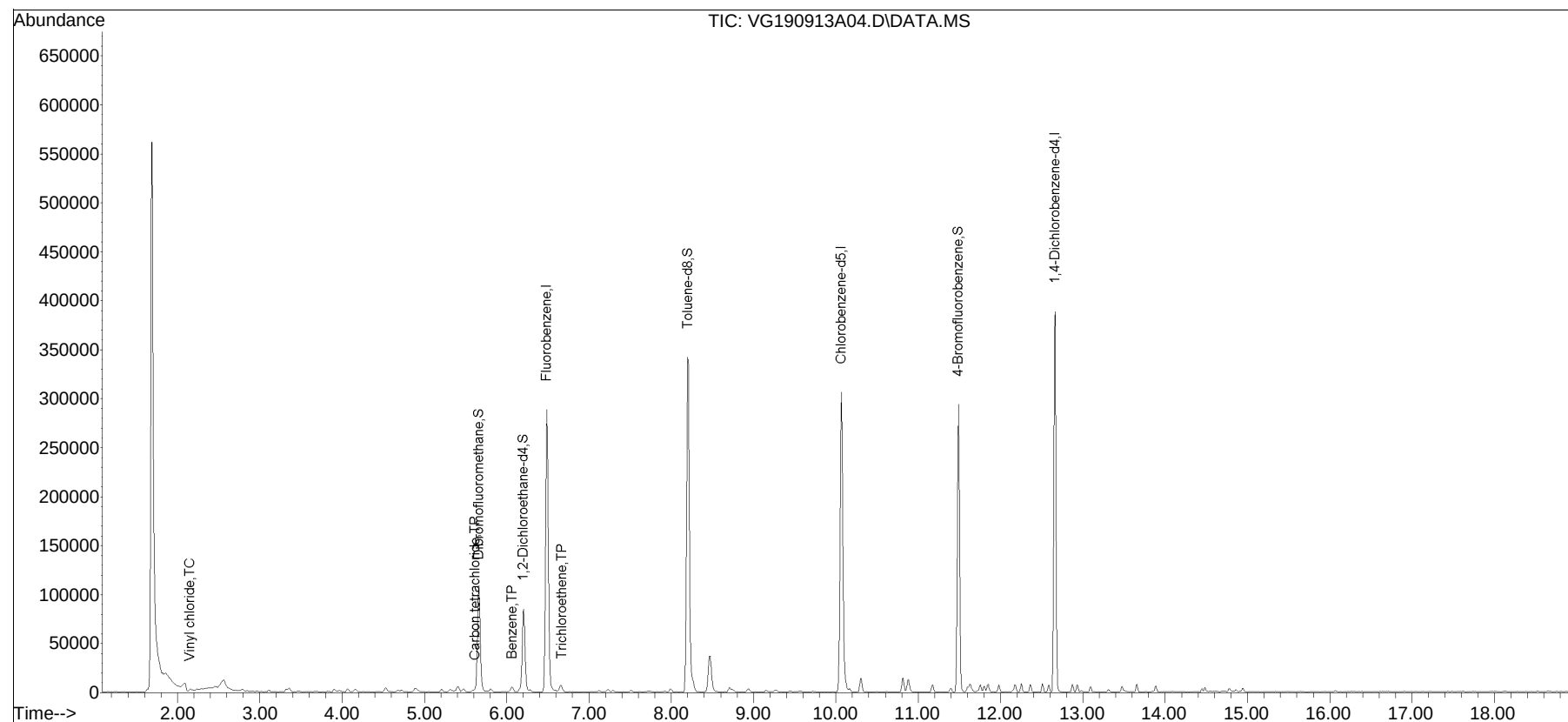
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A04.D
 Acq On : 13 Sep 2019 2:21 am
 Operator : GONZO:PD
 Sample : I8260STD.2PPB
 Misc : WG1283852,ICAL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 13 12:15:17 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox0913\VG190913A09.D•



Manual Integration Report

Data Path	: I:\VOLATILES\Gonzo\2019\19Q	Method	: G_190913_8260.m
Data File	: VG190913A04.D	Operator	: GONZO:PD
Date Inj'd	: 9/13/2019 2:21 am	Instrument	: Gonzo
Sample	: I8260STD.2PPB	Quant Date	: 9/13/2019 12:15 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A06.D
 Acq On : 13 Sep 2019 3:11 am
 Operator : GONZO:PD
 Sample : I8260STD.5PPB
 Misc : WG1283852,ICAL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 13 12:15:29 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.496	96	324856	10.000	ug/L	0.00
Standard Area 1 = 319529			Recovery	=	101.67%	
59) Chlorobenzene-d5	10.068	117	237335	10.000	ug/L	0.00
Standard Area 1 = 235132			Recovery	=	100.94%	
79) 1,4-Dichlorobenzene-d4	12.664	152	128045	10.000	ug/L	0.00
Standard Area 1 = 130310			Recovery	=	98.26%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.665	113	77364	9.925	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.25%	
43) 1,2-Dichloroethane-d4	6.213	65	70917	9.750	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.50%	
60) Toluene-d8	8.208	98	302651	10.029	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.29%	
83) 4-Bromofluorobenzene	11.489	95	104608	10.240	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.40%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.860	85	2867	0.419	ug/L	97
3) Chloromethane	2.085	50	4334	0.542	ug/L	92
4) Vinyl chloride	2.154	62	3125	0.470	ug/L	93
5) Bromomethane	2.506	94	1380	0.420	ug/L	95
6) Chloroethane	2.633	64	2262	0.571	ug/L	90
7) Trichlorofluoromethane	2.789	101	4693	0.433	ug/L	94
8) Ethyl ether	3.122	74	1374	0.496	ug/L #	74
10) 1,1-Dichloroethene	3.327	96	2757	0.461	ug/L	97
11) Carbon disulfide	3.357	76	8447	0.490	ug/L	96
12) Freon-113	3.357	101	2476	0.394	ug/L #	48
13) Iodomethane	3.474	142	2844	0.315	ug/L #	95
14) Acrolein	3.660	56	128	0.210	ug/L #	1
15) Methylene chloride	3.914	84	3480	0.547	ug/L	87
17) Acetone	3.963	43	2851	0.633	ug/L #	75
18) trans-1,2-Dichloroethene	4.071	96	3179	0.485	ug/L	96
19) Methyl acetate	4.080	43	2907	0.990	ug/L #	59
20) Methyl tert-butyl ether	4.168	73	6847	0.494	ug/L #	73
21) tert-Butyl alcohol	4.266	59	833	2.442	ug/L #	21
22) Diisopropyl ether	4.530	45	11199	0.529	ug/L #	91
23) 1,1-Dichloroethane	4.677	63	5757	0.486	ug/L	95
24) Halothane	4.726	117	2388	0.436	ug/L	82

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A06.D
 Acq On : 13 Sep 2019 3:11 am
 Operator : GONZO:PD
 Sample : I8260STD.5PPB
 Misc : WG1283852,ICAL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 13 12:15:29 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.745	53	627	0.508	ug/L #	87
26) Ethyl tert-butyl ether	4.892	59	9074	0.509	ug/L #	85
27) Vinyl acetate	4.921	43	7419	0.532	ug/L #	87
28) cis-1,2-Dichloroethene	5.215	96	3734	0.519	ug/L	96
29) 2,2-Dichloropropane	5.322	77	4826	0.498	ug/L	83
30) Bromochloromethane	5.410	128	1806	0.542	ug/L	85
31) Cyclohexane	5.410	56	5116	0.461	ug/L	97
32) Chloroform	5.479	83	6460	0.545	ug/L	96
33) Ethyl acetate	5.596	43	6794	1.542	ug/L #	90
34) Carbon tetrachloride	5.616	117	4302	0.438	ug/L	91
35) Tetrahydrofuran	5.645	42	871	0.663	ug/L #	31
37) 1,1,1-Trichloroethane	5.684	97	5253	0.472	ug/L	95
39) 2-Butanone	5.782	43	1811	1.000	ug/L #	40
40) 1,1-Dichloropropene	5.812	75	4310	0.479	ug/L	94
41) Benzene	6.066	78	14143	0.520	ug/L	99
42) tert-Amyl methyl ether	6.164	73	7764	0.491	ug/L	96
44) 1,2-Dichloroethane	6.271	62	3763	0.502	ug/L	93
47) Methyl cyclohexane	6.653	83	5708	0.474	ug/L	85
48) Trichloroethene	6.662	95	3586	0.492	ug/L	97
50) Dibromomethane	7.122	93	1973	0.556	ug/L	98
51) 1,2-Dichloropropane	7.230	63	3581	0.550	ug/L	93
53) 2-Chloroethyl vinyl ether	7.924	63	1382	0.439	ug/L #	51
54) Bromodichloromethane	7.288	83	4454	0.497	ug/L #	98
57) 1,4-Dioxane	7.504	88	3883	101.088	ug/L #	93
58) cis-1,3-Dichloropropene	7.993	75	5564	0.529	ug/L #	84
61) Toluene	8.267	92	9106	0.524	ug/L	98
62) 4-Methyl-2-pentanone	8.697	58	668	0.465	ug/L #	36
63) Tetrachloroethene	8.707	166	4546	0.466	ug/L	92
65) trans-1,3-Dichloropropene	8.746	75	4343	0.504	ug/L #	74
67) Ethyl methacrylate	8.932	69	2994	0.494	ug/L	94
68) 1,1,2-Trichloroethane	8.952	83	2161	0.531	ug/L	94
69) Chlorodibromomethane	9.147	129	3196	0.506	ug/L	86
70) 1,3-Dichloropropane	9.275	76	4491	0.548	ug/L	90
71) 1,2-Dibromoethane	9.441	107	2388	0.487	ug/L	95
72) 2-Hexanone	9.716	43	2230	0.803	ug/L #	63
73) Chlorobenzene	10.088	112	9933	0.523	ug/L #	80
74) Ethylbenzene	10.117	91	17168	0.508	ug/L	98
75) 1,1,1,2-Tetrachloroethane	10.166	131	3447	0.487	ug/L	93
76) p/m Xylene	10.303	106	13147	1.002	ug/L	94
77) o Xylene	10.813	106	12584	1.022	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A06.D
 Acq On : 13 Sep 2019 3:11 am
 Operator : GONZO:PD
 Sample : I8260STD.5PPB
 Misc : WG1283852,ICAL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 13 12:15:29 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	10.881	104	19942	0.990	ug/L	99
80)	Bromoform	10.901	173	2051	0.473	ug/L	89
82)	Isopropylbenzene	11.175	105	16012	0.502	ug/L	97
84)	Bromobenzene	11.596	156	4816	0.540	ug/L	92
85)	n-Propylbenzene	11.636	91	19738	0.528	ug/L	97
86)	1,4-Dichlorobutane	11.655	55	3802	0.562	ug/L	98
87)	1,1,2,2-Tetrachloroethane	11.714	83	2516	0.524	ug/L	97
88)	4-Ethyltoluene	11.753	105	15279	0.511	ug/L	96
89)	2-Chlorotoluene	11.802	91	10781M1	0.514	ug/L	
90)	1,3,5-Trimethylbenzene	11.851	105	13661	0.520	ug/L	96
91)	1,2,3-Trichloropropane	11.861	75	2285M1	0.579	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.910	53	501	0.431	ug/L #	54
93)	4-Chlorotoluene	11.979	91	12025	0.545	ug/L	100
94)	tert-Butylbenzene	12.184	119	11731	0.499	ug/L	97
97)	1,2,4-Trimethylbenzene	12.253	105	13464	0.520	ug/L	96
98)	sec-Butylbenzene	12.361	105	16171	0.514	ug/L	99
99)	p-Isopropyltoluene	12.507	119	14547	0.490	ug/L	98
100)	1,3-Dichlorobenzene	12.586	146	8618	0.531	ug/L	95
101)	1,4-Dichlorobenzene	12.674	146	8863	0.543	ug/L #	83
102)	p-Diethylbenzene	12.880	119	8104	0.487	ug/L	96
103)	n-Butylbenzene	12.939	91	11799	0.474	ug/L	97
104)	1,2-Dichlorobenzene	13.095	146	8097	0.557	ug/L	97
105)	1,2,4,5-Tetramethylben...	13.654	119	12053	0.498	ug/L	100
106)	1,2-Dibromo-3-chloropr...	13.859	155	278	0.347	ug/L #	66
107)	1,3,5-Trichlorobenzene	13.889	180	6282	0.505	ug/L	96
108)	Hexachlorobutadiene	14.447	225	2601	0.467	ug/L	94
109)	1,2,4-Trichlorobenzene	14.486	180	5527	0.532	ug/L	93
110)	Naphthalene	14.780	128	8131	0.563	ug/L	100
111)	1,2,3-Trichlorobenzene	14.947	180	4110	0.502	ug/L	93

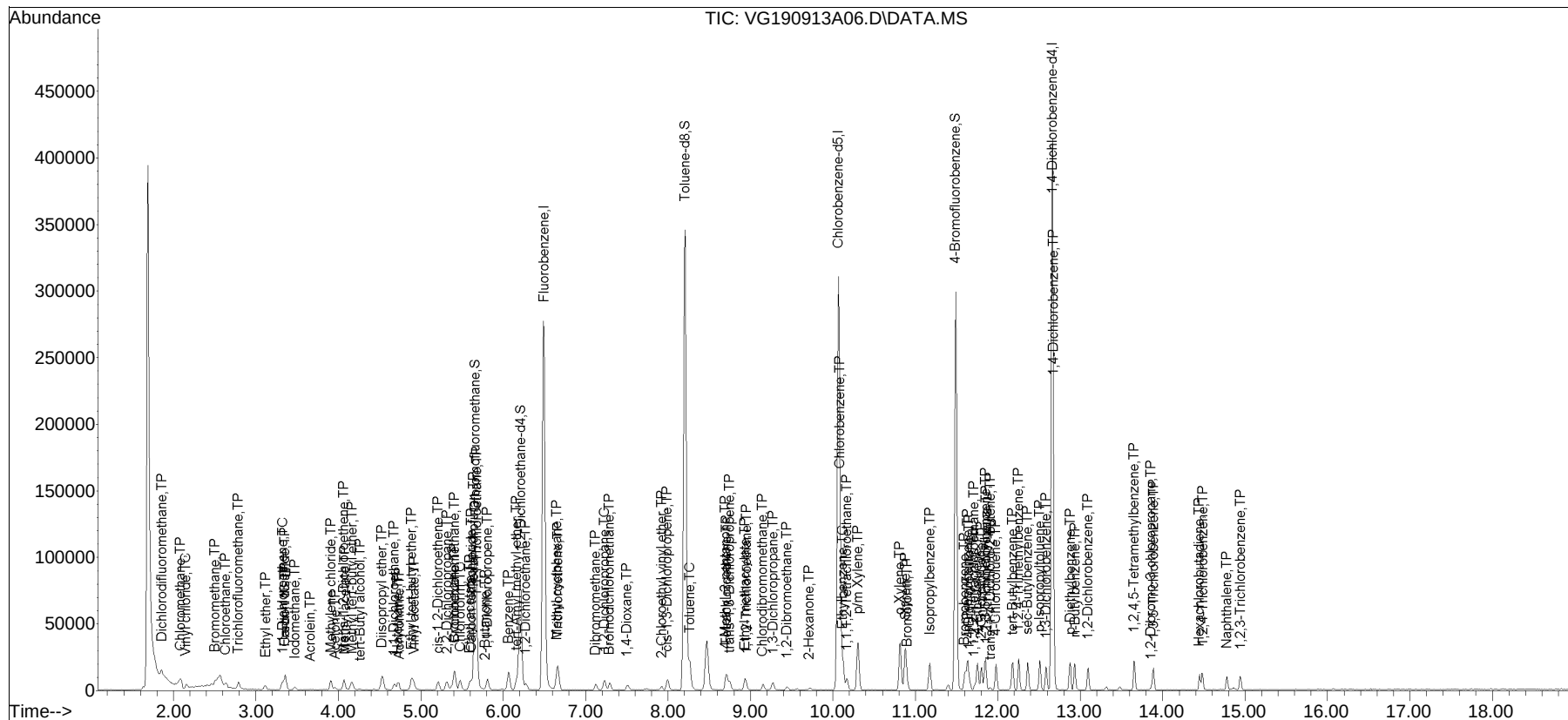
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

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Data Path : I:\VOLATILES\Gonzo\2019\190913\  
Data File : VG190913A06.D  
Acq On    : 13 Sep 2019    3:11 am  
Operator  : GONZO:PD  
Sample    : I8260STD.5PPB  
Misc      : WG1283852,ICAL  
ALS Vial  : 5    Sample Multiplier: 1
```

Quant Time: Sep 13 12:15:29 2019
Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 13 12:14:34 2019
Response via : Initial Calibration

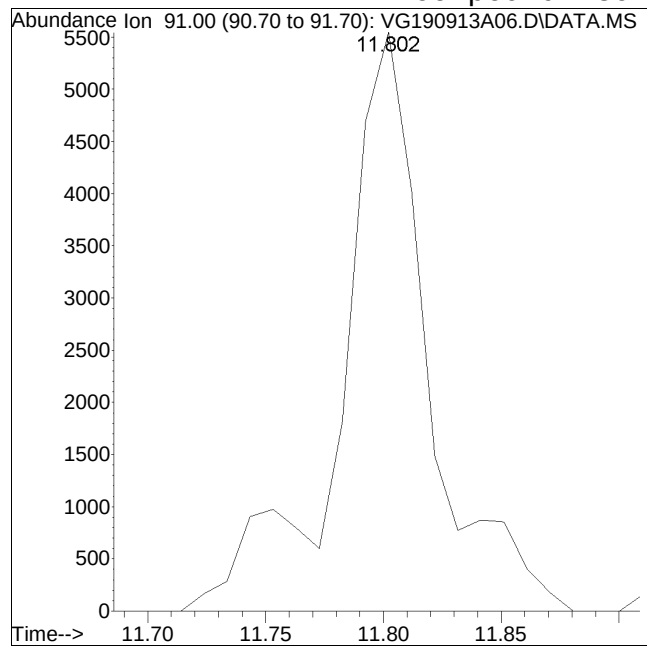
Sub List : 8260-Curve - Megamix plus Diox0913\VG190913A09.D•



Manual Integration Report

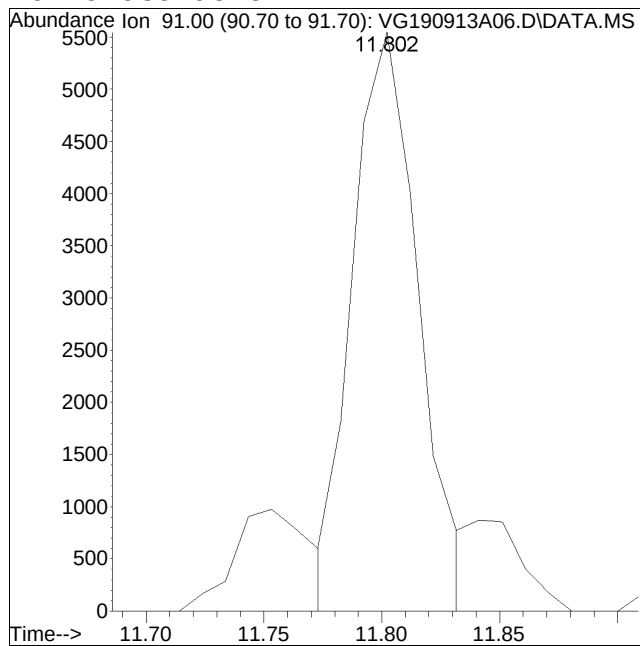
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Data File : VG190913A06.D Operator : GONZO:PD
Date Inj'd : 9/13/2019 3:11 am Instrument : Gonzo
Sample : I8260STD.5PPB Quant Date : 9/13/2019 12:15 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 14328

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

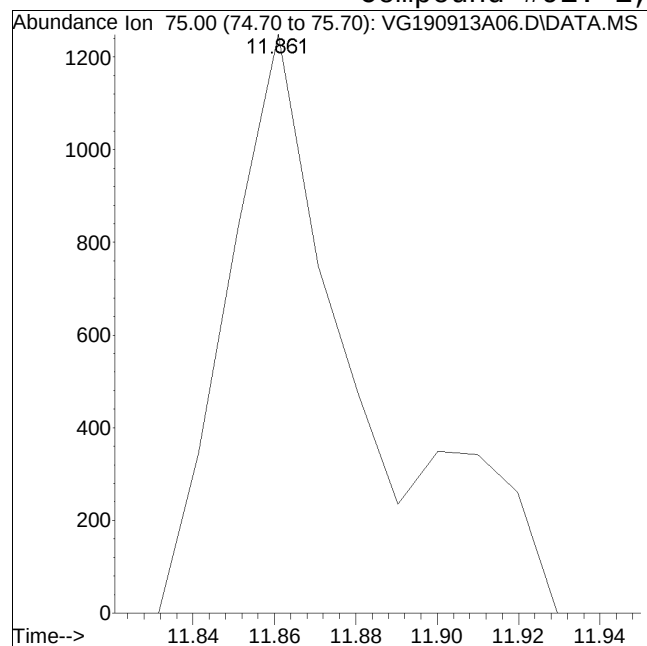


Manual Peak Response = 10781 M1

Manual Integration Report

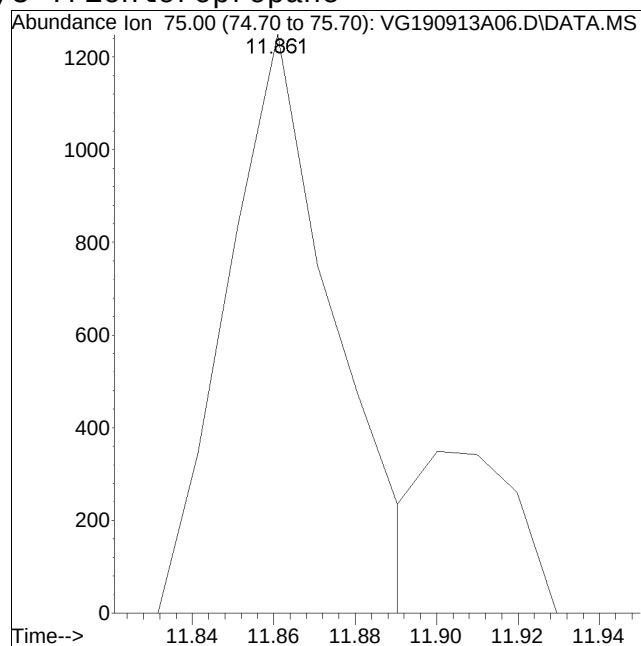
Data Path : I:\VOLATILES\Gonzo\2019\190Method : G_190913_8260.m
Data File : VG190913A06.D Operator : GONZO:PD
Date Inj'd : 9/13/2019 3:11 am Instrument : Gonzo
Sample : I8260STD.5PPB Quant Date : 9/13/2019 12:15 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 2845

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 2285 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A08.D
 Acq On : 13 Sep 2019 4:02 am
 Operator : GONZO:PD
 Sample : I8260STD2PPB
 Misc : WG1283852,ICAL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 13 12:15:38 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.496	96	314675	10.000	ug/L	0.00
Standard Area 1 = 319529			Recovery	=	98.48%	
59) Chlorobenzene-d5	10.068	117	230683	10.000	ug/L	0.00
Standard Area 1 = 235132			Recovery	=	98.11%	
79) 1,4-Dichlorobenzene-d4	12.664	152	126028	10.000	ug/L	0.00
Standard Area 1 = 130310			Recovery	=	96.71%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.665	113	74460	9.861	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.61%	
43) 1,2-Dichloroethane-d4	6.212	65	68877	9.776	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.76%	
60) Toluene-d8	8.208	98	294397	10.037	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.37%	
83) 4-Bromofluorobenzene	11.489	95	103539	10.297	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.97%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.860	85	11307	1.704	ug/L	97
3) Chloromethane	2.075	50	15654	2.020	ug/L	99
4) Vinyl chloride	2.153	62	12830	1.993	ug/L	97
5) Bromomethane	2.506	94	5754	1.807	ug/L	91
6) Chloroethane	2.633	64	7898	2.057	ug/L	98
7) Trichlorofluoromethane	2.789	101	18068	1.722	ug/L	99
8) Ethyl ether	3.112	74	5507	2.052	ug/L #	88
10) 1,1-Dichloroethene	3.317	96	10783	1.862	ug/L	97
11) Carbon disulfide	3.356	76	31659	1.897	ug/L	100
12) Freon-113	3.356	101	10384	1.706	ug/L #	65
13) Iodomethane	3.474	142	15723M2	1.798	ug/L	
14) Acrolein	3.669	56	1284	2.177	ug/L	100
15) Methylene chloride	3.914	84	13023	2.113	ug/L	92
17) Acetone	3.963	43	3858	1.720	ug/L #	81
18) trans-1,2-Dichloroethene	4.070	96	12692	2.000	ug/L	96
19) Methyl acetate	4.080	43	6433	2.261	ug/L #	87
20) Methyl tert-butyl ether	4.168	73	26752	1.992	ug/L #	88
21) tert-Butyl alcohol	4.247	59	2919	8.835	ug/L #	72
22) Diisopropyl ether	4.530	45	41503	2.023	ug/L	95
23) 1,1-Dichloroethane	4.677	63	23761	2.073	ug/L	98
24) Halothane	4.726	117	10080	1.902	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A08.D
 Acq On : 13 Sep 2019 4:02 am
 Operator : GONZO:PD
 Sample : I8260STD2PPB
 Misc : WG1283852,ICAL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 13 12:15:38 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.736	53	2320	1.940	ug/L	99
26) Ethyl tert-butyl ether	4.892	59	34461	1.995	ug/L	89
27) Vinyl acetate	4.921	43	26196	1.939	ug/L	98
28) cis-1,2-Dichloroethene	5.215	96	14454	2.076	ug/L	97
29) 2,2-Dichloropropane	5.322	77	18678	1.991	ug/L	99
30) Bromochloromethane	5.410	128	6665	2.065	ug/L	94
31) Cyclohexane	5.410	56	19163	1.784	ug/L	86
32) Chloroform	5.479	83	24211	2.110	ug/L	98
33) Ethyl acetate	5.586	43	10388	2.434	ug/L #	91
34) Carbon tetrachloride	5.616	117	17293	1.819	ug/L #	97
35) Tetrahydrofuran	5.645	42	2643	2.078	ug/L #	67
37) 1,1,1-Trichloroethane	5.684	97	19960	1.853	ug/L	98
39) 2-Butanone	5.782	43	3827	2.181	ug/L #	73
40) 1,1-Dichloropropene	5.811	75	16259	1.866	ug/L	98
41) Benzene	6.066	78	53695	2.037	ug/L	97
42) tert-Amyl methyl ether	6.164	73	30140	1.970	ug/L	97
44) 1,2-Dichloroethane	6.281	62	14989	2.065	ug/L	100
47) Methyl cyclohexane	6.653	83	20545	1.762	ug/L	89
48) Trichloroethene	6.672	95	13812	1.955	ug/L	100
50) Dibromomethane	7.122	93	6883	2.002	ug/L	88
51) 1,2-Dichloropropane	7.230	63	13175	2.088	ug/L	97
53) 2-Chloroethyl vinyl ether	7.924	63	6068M2	1.988	ug/L	
54) Bromodichloromethane	7.288	83	17197	1.982	ug/L #	99
57) 1,4-Dioxane	7.513	88	15156	407.330	ug/L	97
58) cis-1,3-Dichloropropene	7.993	75	21222	2.083	ug/L	92
61) Toluene	8.266	92	35098	2.077	ug/L	97
62) 4-Methyl-2-pentanone	8.697	58	2820	2.021	ug/L #	70
63) Tetrachloroethene	8.707	166	17997	1.900	ug/L	94
65) trans-1,3-Dichloropropene	8.746	75	16223	1.938	ug/L	87
67) Ethyl methacrylate	8.932	69	11548	1.959	ug/L	95
68) 1,1,2-Trichloroethane	8.942	83	8113	2.051	ug/L	97
69) Chlorodibromomethane	9.157	129	11621	1.891	ug/L	98
70) 1,3-Dichloropropane	9.275	76	16418	2.062	ug/L	99
71) 1,2-Dibromoethane	9.441	107	9903	2.077	ug/L	97
72) 2-Hexanone	9.716	43	5364	1.988	ug/L #	88
73) Chlorobenzene	10.088	112	38662	2.094	ug/L	97
74) Ethylbenzene	10.127	91	65929	2.007	ug/L	99
75) 1,1,1,2-Tetrachloroethane	10.176	131	13665	1.988	ug/L	96
76) p/m Xylene	10.303	106	50862	3.989	ug/L	98
77) o Xylene	10.813	106	47951	4.007	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A08.D
 Acq On : 13 Sep 2019 4:02 am
 Operator : GONZO:PD
 Sample : I8260STD2PPB
 Misc : WG1283852,ICAL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 13 12:15:38 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	10.881	104	79506	4.059	ug/L	99
80)	Bromoform	10.911	173	7946	1.860	ug/L	96
82)	Isopropylbenzene	11.175	105	63932	2.037	ug/L	98
84)	Bromobenzene	11.606	156	18297	2.084	ug/L	93
85)	n-Propylbenzene	11.636	91	74460	2.022	ug/L	100
86)	1,4-Dichlorobutane	11.655	55	14457	2.172	ug/L	98
87)	1,1,2,2-Tetrachloroethane	11.724	83	9886	2.094	ug/L	98
88)	4-Ethyltoluene	11.753	105	59536	2.021	ug/L	99
89)	2-Chlorotoluene	11.802	91	42986M1	2.084	ug/L	
90)	1,3,5-Trimethylbenzene	11.841	105	52861	2.044	ug/L	98
91)	1,2,3-Trichloropropane	11.861	75	7837	2.018	ug/L	97
92)	trans-1,4-Dichloro-2-b...	11.910	53	2280	1.993	ug/L #	92
93)	4-Chlorotoluene	11.978	91	45696	2.103	ug/L	97
94)	tert-Butylbenzene	12.184	119	46533	2.012	ug/L	99
97)	1,2,4-Trimethylbenzene	12.253	105	52971	2.078	ug/L	100
98)	sec-Butylbenzene	12.360	105	59666	1.925	ug/L	98
99)	p-Isopropyltoluene	12.507	119	57524	1.971	ug/L	99
100)	1,3-Dichlorobenzene	12.586	146	33612	2.104	ug/L	98
101)	1,4-Dichlorobenzene	12.674	146	33893	2.111	ug/L	96
102)	p-Diethylbenzene	12.880	119	32122	1.962	ug/L	99
103)	n-Butylbenzene	12.929	91	48190	1.965	ug/L	97
104)	1,2-Dichlorobenzene	13.095	146	30103	2.105	ug/L	98
105)	1,2,4,5-Tetramethylben...	13.654	119	48875	2.051	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.859	155	1614	2.048	ug/L	97
107)	1,3,5-Trichlorobenzene	13.889	180	25719	2.100	ug/L	95
108)	Hexachlorobutadiene	14.447	225	10279	1.877	ug/L	99
109)	1,2,4-Trichlorobenzene	14.486	180	21607	2.113	ug/L	96
110)	Naphthalene	14.780	128	29161	2.052	ug/L	100
111)	1,2,3-Trichlorobenzene	14.937	180	16927	2.103	ug/L	94

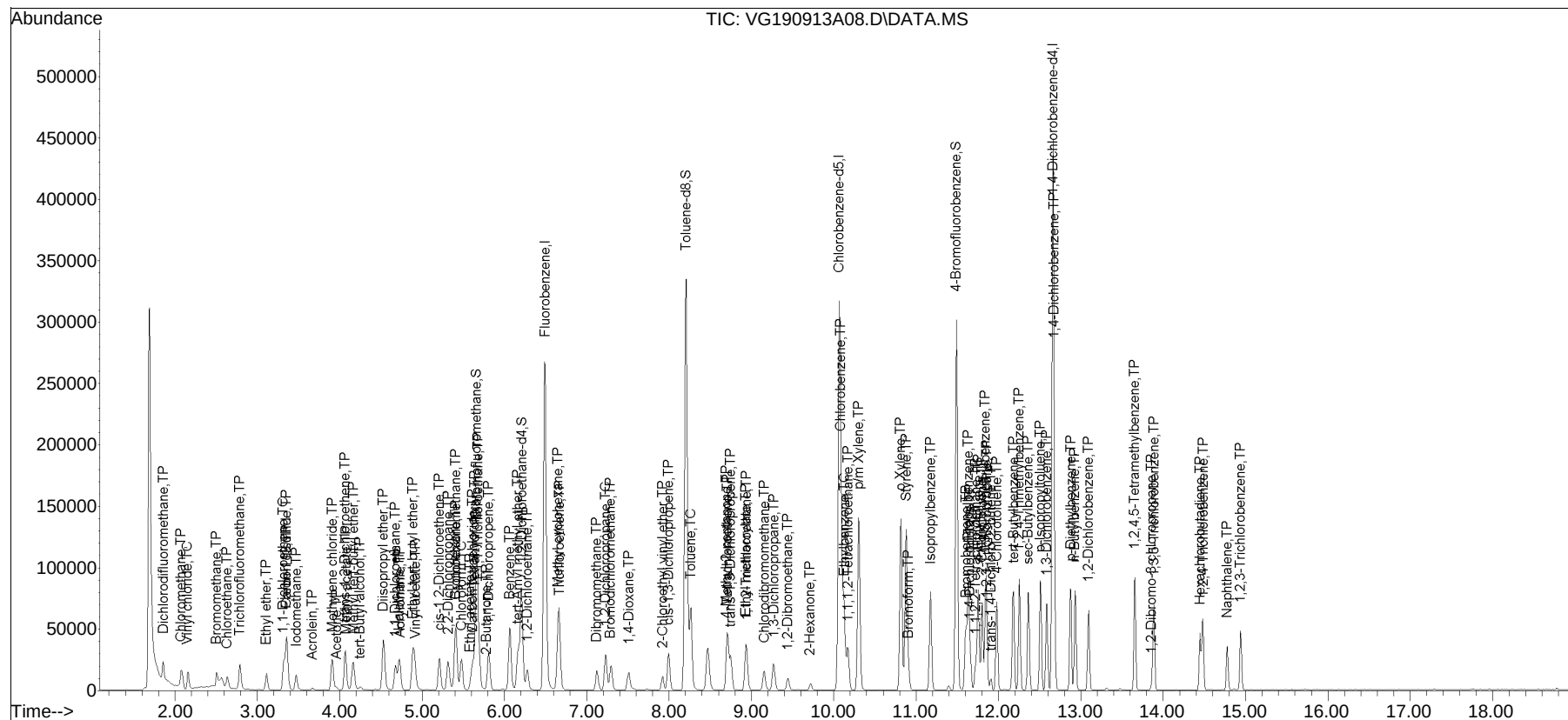
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A08.D
 Acq On : 13 Sep 2019 4:02 am
 Operator : GONZO:PD
 Sample : I8260STD2PPB
 Misc : WG1283852,ICAL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 13 12:15:38 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

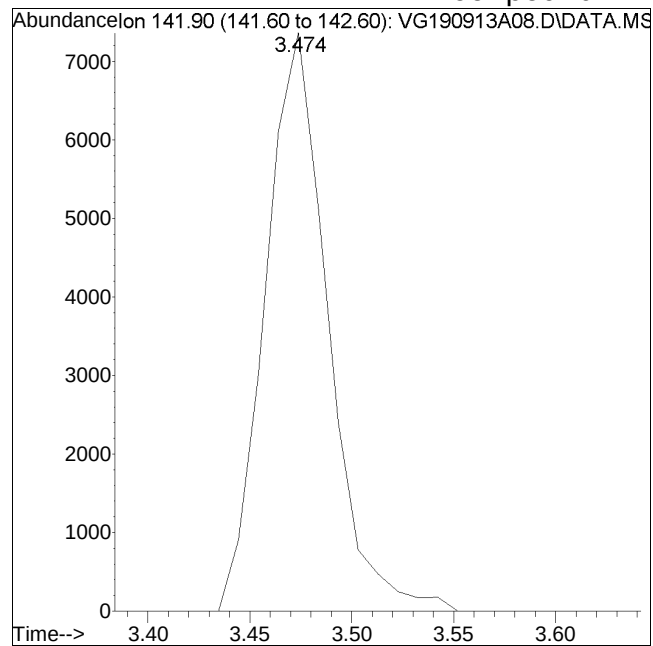
Sub List : 8260-Curve - Megamix plus Diox0913\VG190913A09.D•



Manual Integration Report

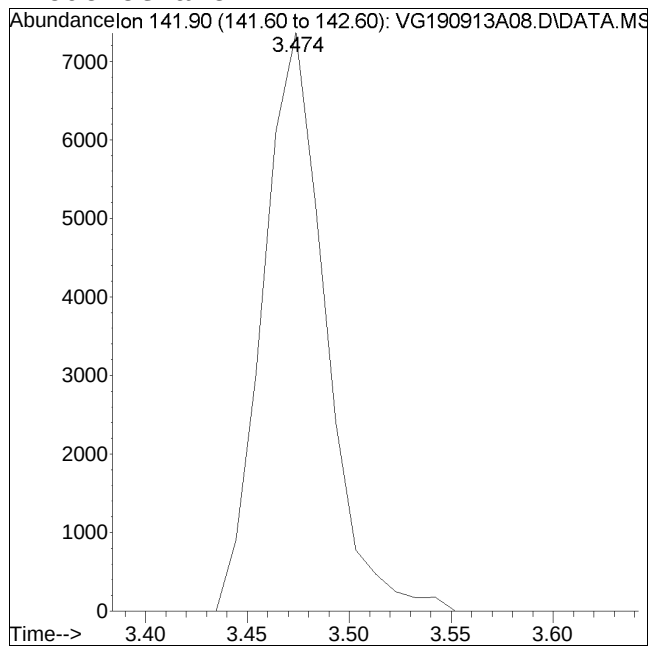
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Data File : VG190913A08.D Operator : GONZO:PD
Date Inj'd : 9/13/2019 4:02 am Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 9/13/2019 12:15 pm

Compound #13: Iodomethane



Original Peak Response = 15724

M2 = Peak not found by automatic integration algorithm.

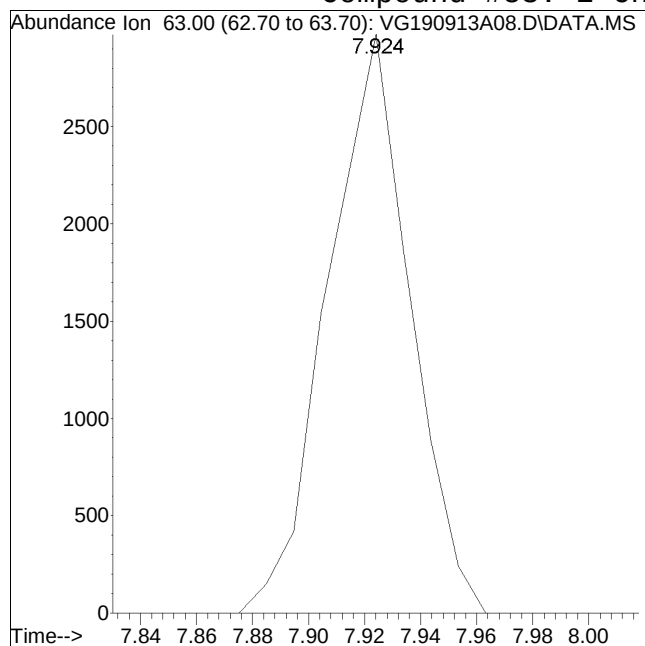


Manual Peak Response = 15723 M2

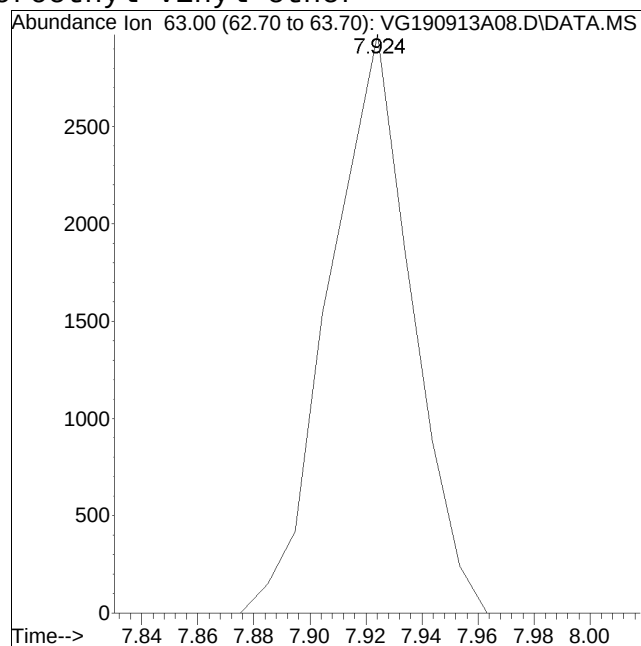
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2019\190Method : G_190913_8260.m
Data File : VG190913A08.D Operator : GONZO:PD
Date Inj'd : 9/13/2019 4:02 am Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 9/13/2019 12:15 pm

Compound #53: 2-Chloroethyl vinyl ether



Original Peak Response = 6069



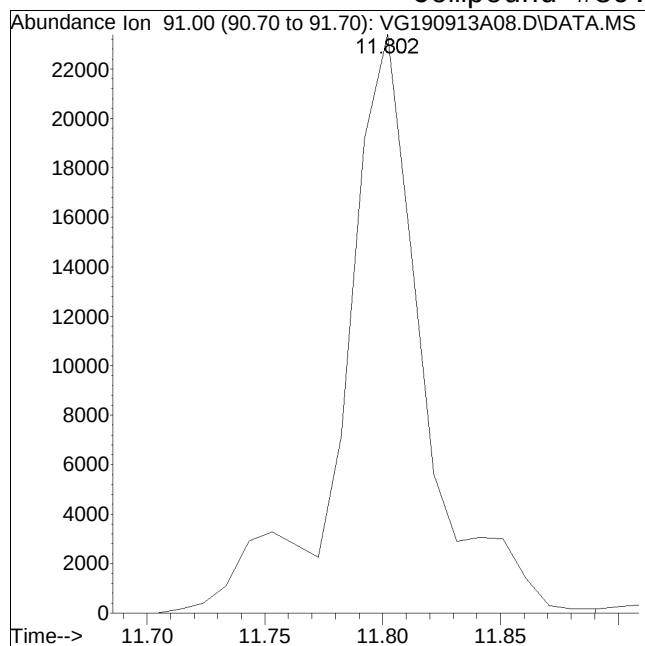
Manual Peak Response = 6068 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

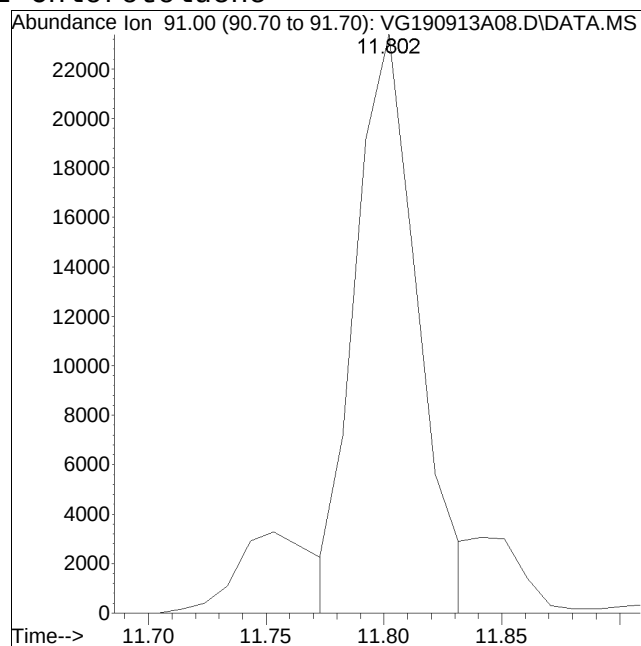
Data Path : I:\VOLATILES\Gonzo\2019\190Method : G_190913_8260.m
Data File : VG190913A08.D Operator : GONZO:PD
Date Inj'd : 9/13/2019 4:02 am Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 9/13/2019 12:15 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 55309

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 42986 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A09.D
 Acq On : 13 Sep 2019 4:27 am
 Operator : GONZO:PD
 Sample : I8260STD10PPB
 Misc : WG1283852,ICAL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 13 12:15:49 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.496	96	319529	10.000	ug/L	0.00
Standard Area 1 = 319529			Recovery	=	100.00%	
59) Chlorobenzene-d5	10.068	117	235132	10.000	ug/L	0.00
Standard Area 1 = 235132			Recovery	=	100.00%	
79) 1,4-Dichlorobenzene-d4	12.664	152	130310	10.000	ug/L	0.00
Standard Area 1 = 130310			Recovery	=	100.00%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.665	113	75983	9.910	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.10%	
43) 1,2-Dichloroethane-d4	6.203	65	69112	9.661	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.61%	
60) Toluene-d8	8.208	98	299102	10.004	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.04%	
83) 4-Bromofluorobenzene	11.489	95	104976	10.097	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.97%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.860	85	69280	10.284	ug/L	99
3) Chloromethane	2.085	50	78810	10.013	ug/L	99
4) Vinyl chloride	2.153	62	68046	10.407	ug/L	99
5) Bromomethane	2.506	94	26085	8.065	ug/L	99
6) Chloroethane	2.633	64	38617	9.903	ug/L	95
7) Trichlorofluoromethane	2.789	101	107662	10.103	ug/L	98
8) Ethyl ether	3.112	74	27698	10.165	ug/L	91
10) 1,1-Dichloroethene	3.317	96	57602	9.794	ug/L	97
11) Carbon disulfide	3.356	76	167354	9.874	ug/L	99
12) Freon-113	3.356	101	63407	10.259	ug/L	84
13) Iodomethane	3.474	142	91604	10.319	ug/L	96
14) Acrolein	3.669	56	5569	9.300	ug/L	86
15) Methylene chloride	3.914	84	59519	9.511	ug/L	91
17) Acetone	3.953	43	11993	9.602	ug/L	92
18) trans-1,2-Dichloroethene	4.070	96	62688	9.726	ug/L	97
19) Methyl acetate	4.080	43	29822	10.322	ug/L	94
20) Methyl tert-butyl ether	4.168	73	133924	9.820	ug/L	94
21) tert-Butyl alcohol	4.256	59	17096	50.957	ug/L	93
22) Diisopropyl ether	4.530	45	207392	9.954	ug/L	97
23) 1,1-Dichloroethane	4.677	63	114679	9.851	ug/L	100
24) Halothane	4.726	117	53969	10.028	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A09.D
 Acq On : 13 Sep 2019 4:27 am
 Operator : GONZO:PD
 Sample : I8260STD10PPB
 Misc : WG1283852,ICAL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 13 12:15:49 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.736	53	11724	9.655	ug/L	94
26) Ethyl tert-butyl ether	4.892	59	173859	9.913	ug/L	88
27) Vinyl acetate	4.912	43	136451	9.948	ug/L	99
28) cis-1,2-Dichloroethene	5.215	96	68933	9.750	ug/L	98
29) 2,2-Dichloropropane	5.322	77	92280	9.688	ug/L	98
30) Bromochloromethane	5.410	128	33366	10.178	ug/L	94
31) Cyclohexane	5.410	56	110398	10.119	ug/L	94
32) Chloroform	5.479	83	110391	9.473	ug/L	98
33) Ethyl acetate	5.586	43	42447	9.794	ug/L	98
34) Carbon tetrachloride	5.616	117	95383	9.882	ug/L	98
35) Tetrahydrofuran	5.635	42	12656	9.800	ug/L #	82
37) 1,1,1-Trichloroethane	5.694	97	108112	9.883	ug/L	100
39) 2-Butanone	5.782	43	17527	9.838	ug/L #	85
40) 1,1-Dichloropropene	5.811	75	88795	10.035	ug/L	97
41) Benzene	6.066	78	269749	10.079	ug/L	98
42) tert-Amyl methyl ether	6.164	73	156319	10.061	ug/L	99
44) 1,2-Dichloroethane	6.281	62	71430	9.691	ug/L	99
47) Methyl cyclohexane	6.653	83	121536	10.265	ug/L	93
48) Trichloroethene	6.662	95	71156	9.918	ug/L	99
50) Dibromomethane	7.122	93	33852	9.695	ug/L #	86
51) 1,2-Dichloropropane	7.230	63	62767	9.796	ug/L	98
53) 2-Chloroethyl vinyl ether	7.924	63	32508	10.490	ug/L	94
54) Bromodichloromethane	7.298	83	85020	9.652	ug/L	98
57) 1,4-Dioxane	7.503	88	19882	526.228	ug/L	96
58) cis-1,3-Dichloropropene	7.993	75	100393	9.704	ug/L	92
61) Toluene	8.266	92	171472	9.957	ug/L	95
62) 4-Methyl-2-pentanone	8.697	58	14925	10.494	ug/L	87
63) Tetrachloroethene	8.707	166	94161	9.752	ug/L	96
65) trans-1,3-Dichloropropene	8.746	75	83748	9.817	ug/L	94
67) Ethyl methacrylate	8.932	69	60287	10.032	ug/L	97
68) 1,1,2-Trichloroethane	8.942	83	40438	10.031	ug/L	98
69) Chlorodibromomethane	9.157	129	59756	9.540	ug/L	99
70) 1,3-Dichloropropane	9.265	76	79616	9.810	ug/L	98
71) 1,2-Dibromoethane	9.441	107	47468	9.765	ug/L	100
72) 2-Hexanone	9.716	43	27467	9.987	ug/L	94
73) Chlorobenzene	10.088	112	185576	9.861	ug/L	98
74) Ethylbenzene	10.127	91	332569	9.933	ug/L	100
75) 1,1,1,2-Tetrachloroethane	10.166	131	66973	9.558	ug/L	99
76) p/m Xylene	10.303	106	258564	19.893	ug/L	96
77) o Xylene	10.813	106	243220	19.938	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A09.D
 Acq On : 13 Sep 2019 4:27 am
 Operator : GONZO:PD
 Sample : I8260STD10PPB
 Misc : WG1283852,ICAL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 13 12:15:49 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	10.881	104	397155	19.893	ug/L	100
80)	Bromoform	10.911	173	42329	9.585	ug/L	98
82)	Isopropylbenzene	11.175	105	336535	10.370	ug/L	100
84)	Bromobenzene	11.606	156	89523	9.863	ug/L	95
85)	n-Propylbenzene	11.636	91	396413	10.413	ug/L	100
86)	1,4-Dichlorobutane	11.655	55	70505	10.246	ug/L	99
87)	1,1,2,2-Tetrachloroethane	11.714	83	51342	10.517	ug/L	99
88)	4-Ethyltoluene	11.753	105	315130	10.347	ug/L	99
89)	2-Chlorotoluene	11.802	91	220241M1	10.326	ug/L	
90)	1,3,5-Trimethylbenzene	11.851	105	275494	10.301	ug/L	99
91)	1,2,3-Trichloropropane	11.861	75	41500M1	10.335	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.910	53	11846	10.014	ug/L #	96
93)	4-Chlorotoluene	11.978	91	226414	10.077	ug/L	98
94)	tert-Butylbenzene	12.184	119	244661	10.229	ug/L	100
97)	1,2,4-Trimethylbenzene	12.253	105	267052	10.130	ug/L	99
98)	sec-Butylbenzene	12.360	105	334009	10.424	ug/L	100
99)	p-Isopropyltoluene	12.507	119	309185	10.244	ug/L	99
100)	1,3-Dichlorobenzene	12.586	146	162925	9.866	ug/L	96
101)	1,4-Dichlorobenzene	12.674	146	165751	9.986	ug/L	98
102)	p-Diethylbenzene	12.880	119	174530	10.309	ug/L	98
103)	n-Butylbenzene	12.929	91	267530	10.552	ug/L	98
104)	1,2-Dichlorobenzene	13.095	146	145869	9.863	ug/L	97
105)	1,2,4,5-Tetramethylben...	13.654	119	253884	10.302	ug/L	98
106)	1,2-Dibromo-3-chloropr...	13.859	155	8734	10.717	ug/L	99
107)	1,3,5-Trichlorobenzene	13.889	180	129489	10.225	ug/L	95
108)	Hexachlorobutadiene	14.447	225	56635	10.001	ug/L	99
109)	1,2,4-Trichlorobenzene	14.476	180	106494	10.074	ug/L	97
110)	Naphthalene	14.780	128	148585	10.110	ug/L	100
111)	1,2,3-Trichlorobenzene	14.947	180	83970	10.088	ug/L	98

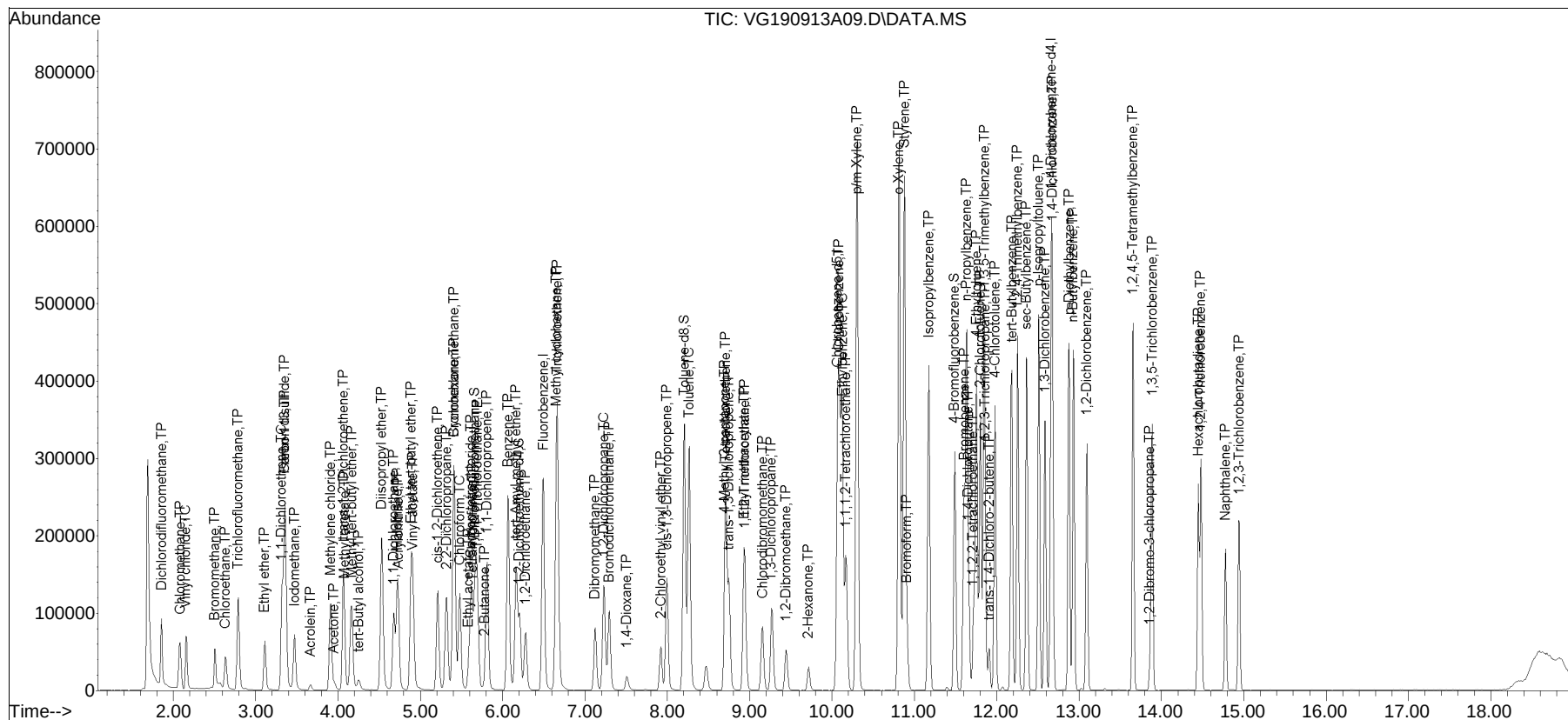
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

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Data File  : VG190913A09.D  
Acq On     : 13 Sep 2019    4:27 am  
Operator   : GONZO:PD  
Sample     : I8260STD10PPB  
Misc       : WG1283852,ICAL  
ALS Vial   : 8    Sample Multiplier: 1
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Quant Time: Sep 13 12:15:49 2019
Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 13 12:14:34 2019
Response via : Initial Calibration

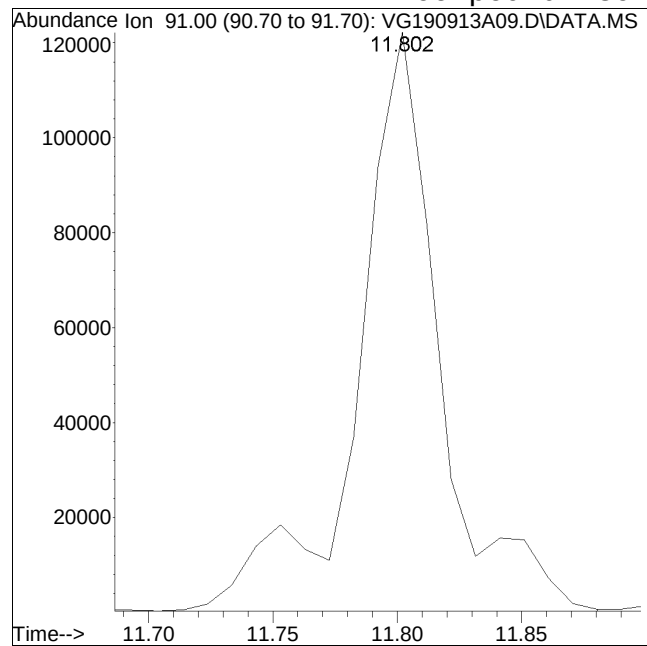
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Manual Integration Report

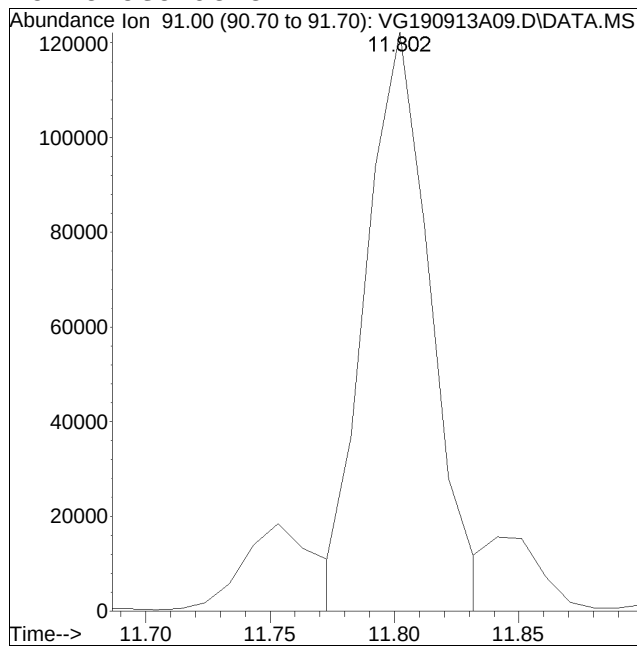
Data Path : I:\VOLATILES\Gonzo\2019\19QMethod : G_190913_8260.m
Data File : VG190913A09.D Operator : GONZO:PD
Date Inj'd : 9/13/2019 4:27 am Instrument : Gonzo
Sample : I8260STD10PPB Quant Date : 9/13/2019 12:15 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 279179

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

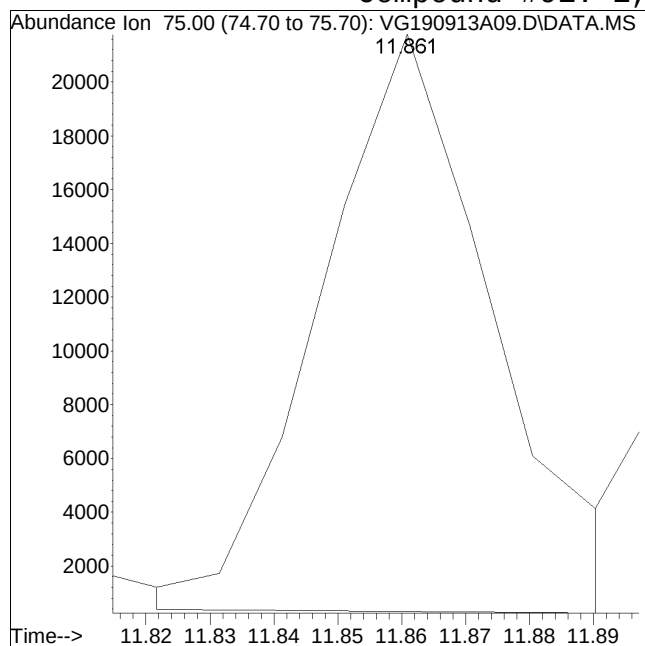


Manual Peak Response = 220241 M1

Manual Integration Report

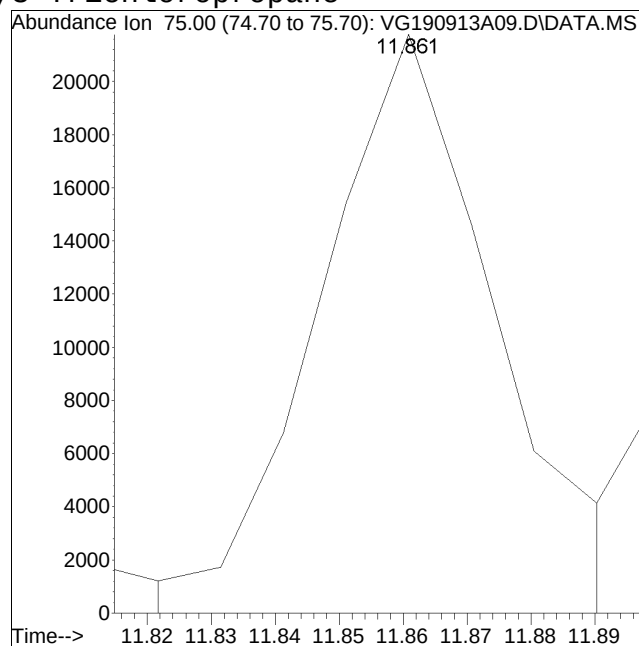
Data Path : I:\VOLATILES\Gonzo\2019\190Method : G_190913_8260.m
Data File : VG190913A09.D Operator : GONZO:PD
Date Inj'd : 9/13/2019 4:27 am Instrument : Gonzo
Sample : I8260STD10PPB Quant Date : 9/13/2019 12:15 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 40179

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 41500 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A10.D
 Acq On : 13 Sep 2019 4:53 am
 Operator : GONZO:PD
 Sample : I8260STD30PPB
 Misc : WG1283852,ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 13 12:15:59 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.486	96	319802	10.000	ug/L	0.00
Standard Area 1 = 319529			Recovery	=	100.09%	
59) Chlorobenzene-d5	10.068	117	234193	10.000	ug/L	0.00
Standard Area 1 = 235132			Recovery	=	99.60%	
79) 1,4-Dichlorobenzene-d4	12.664	152	135955	10.000	ug/L	0.00
Standard Area 1 = 130310			Recovery	=	104.33%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.665	113	77207	10.061	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.61%	
43) 1,2-Dichloroethane-d4	6.212	65	71088	9.928	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.28%	
60) Toluene-d8	8.208	98	300157	10.080	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.80%	
83) 4-Bromofluorobenzene	11.488	95	107581	9.918	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.18%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.860	85	206122	30.572	ug/L	100
3) Chloromethane	2.075	50	219135	27.818	ug/L	99
4) Vinyl chloride	2.153	62	196196	29.981	ug/L	100
5) Bromomethane	2.505	94	88588	27.368	ug/L	97
6) Chloroethane	2.633	64	108990	27.926	ug/L	95
7) Trichlorofluoromethane	2.789	101	315567	29.587	ug/L	98
8) Ethyl ether	3.112	74	77139	28.285	ug/L	90
10) 1,1-Dichloroethene	3.317	96	174442	29.634	ug/L	98
11) Carbon disulfide	3.356	76	491199	28.956	ug/L	99
12) Freon-113	3.356	101	192377	31.101	ug/L	88
13) Iodomethane	3.474	142	282815	31.830	ug/L	96
14) Acrolein	3.660	56	16394	27.355	ug/L	96
15) Methylene chloride	3.914	84	174594	27.875	ug/L	93
17) Acetone	3.953	43	29950	27.105	ug/L	99
18) trans-1,2-Dichloroethene	4.070	96	186828	28.962	ug/L	97
19) Methyl acetate	4.070	43	79436	27.471	ug/L	96
20) Methyl tert-butyl ether	4.158	73	386334	28.305	ug/L	96
21) tert-Butyl alcohol	4.246	59	49264	146.713	ug/L	92
22) Diisopropyl ether	4.530	45	584143	28.012	ug/L	98
23) 1,1-Dichloroethane	4.677	63	332400	28.528	ug/L	100
24) Halothane	4.726	117	157664	29.272	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A10.D
 Acq On : 13 Sep 2019 4:53 am
 Operator : GONZO:PD
 Sample : I8260STD30PPB
 Misc : WG1283852,ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 13 12:15:59 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.726	53	35618	29.307	ug/L	96
26) Ethyl tert-butyl ether	4.892	59	496623	28.293	ug/L	88
27) Vinyl acetate	4.911	43	382964	27.895	ug/L	99
28) cis-1,2-Dichloroethene	5.215	96	200356	28.314	ug/L	98
29) 2,2-Dichloropropane	5.312	77	274579	28.801	ug/L	99
30) Bromochloromethane	5.410	128	92909	28.318	ug/L	94
31) Cyclohexane	5.410	56	333195	30.513	ug/L	91
32) Chloroform	5.479	83	319046	27.356	ug/L	97
33) Ethyl acetate	5.586	43	115408	26.605	ug/L	98
34) Carbon tetrachloride	5.616	117	292255	30.254	ug/L	99
35) Tetrahydrofuran	5.635	42	32284M1	24.977	ug/L	
37) 1,1,1-Trichloroethane	5.684	97	315016	28.773	ug/L	98
39) 2-Butanone	5.782	43	49124	27.551	ug/L	89
40) 1,1-Dichloropropene	5.811	75	260955	29.466	ug/L	98
41) Benzene	6.066	78	761122	28.415	ug/L	98
42) tert-Amyl methyl ether	6.163	73	444267	28.569	ug/L	99
44) 1,2-Dichloroethane	6.281	62	203991	27.652	ug/L	100
47) Methyl cyclohexane	6.652	83	354405	29.909	ug/L	92
48) Trichloroethene	6.662	95	206198	28.717	ug/L	100
50) Dibromomethane	7.122	93	94525	27.049	ug/L	# 85
51) 1,2-Dichloropropane	7.230	63	177958	27.749	ug/L	99
53) 2-Chloroethyl vinyl ether	7.924	63	88729	28.607	ug/L	96
54) Bromodichloromethane	7.298	83	247769	28.103	ug/L	99
57) 1,4-Dioxane	7.513	88	23003	608.313	ug/L	97
58) cis-1,3-Dichloropropene	7.992	75	287265	27.742	ug/L	93
61) Toluene	8.266	92	489364	28.531	ug/L	97
62) 4-Methyl-2-pentanone	8.697	58	40975	28.925	ug/L	86
63) Tetrachloroethene	8.706	166	279162	29.027	ug/L	95
65) trans-1,3-Dichloropropene	8.746	75	241449	28.416	ug/L	93
67) Ethyl methacrylate	8.922	69	172918	28.889	ug/L	99
68) 1,1,2-Trichloroethane	8.942	83	112630	28.050	ug/L	99
69) Chlorodibromomethane	9.157	129	173548	27.818	ug/L	97
70) 1,3-Dichloropropane	9.265	76	224454	27.769	ug/L	99
71) 1,2-Dibromoethane	9.441	107	137824	28.468	ug/L	97
72) 2-Hexanone	9.715	43	77355	28.239	ug/L	91
73) Chlorobenzene	10.088	112	525222	28.020	ug/L	98
74) Ethylbenzene	10.117	91	951817	28.542	ug/L	100
75) 1,1,1,2-Tetrachloroethane	10.166	131	196773	28.196	ug/L	99
76) p/m Xylene	10.303	106	736050	56.857	ug/L	97
77) o Xylene	10.813	106	685141	56.391	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A10.D
 Acq On : 13 Sep 2019 4:53 am
 Operator : GONZO:PD
 Sample : I8260STD30PPB
 Misc : WG1283852,ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 13 12:15:59 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	10.881	104	1121628	56.407	ug/L	98
80)	Bromoform	10.911	173	128392	27.867	ug/L	98
82)	Isopropylbenzene	11.175	105	967962	28.588	ug/L	99
84)	Bromobenzene	11.606	156	258318	27.279	ug/L	95
85)	n-Propylbenzene	11.635	91	1129755	28.444	ug/L	99
86)	1,4-Dichlorobutane	11.655	55	198701	27.677	ug/L	98
87)	1,1,2,2-Tetrachloroethane	11.714	83	142558	27.988	ug/L	98
88)	4-Ethyltoluene	11.753	105	904194	28.454	ug/L	99
89)	2-Chlorotoluene	11.802	91	621441M1	27.927	ug/L	
90)	1,3,5-Trimethylbenzene	11.851	105	791173	28.353	ug/L	99
91)	1,2,3-Trichloropropane	11.861	75	116273M1	27.754	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.910	53	36014	29.179	ug/L #	97
93)	4-Chlorotoluene	11.978	91	649705	27.715	ug/L	98
94)	tert-Butylbenzene	12.184	119	710531	28.472	ug/L	99
97)	1,2,4-Trimethylbenzene	12.253	105	768581	27.944	ug/L	99
98)	sec-Butylbenzene	12.360	105	965573	28.883	ug/L	99
99)	p-Isopropyltoluene	12.507	119	900540	28.597	ug/L	99
100)	1,3-Dichlorobenzene	12.586	146	478105	27.749	ug/L	96
101)	1,4-Dichlorobenzene	12.674	146	479919	27.713	ug/L	97
102)	p-Diethylbenzene	12.880	119	509900	28.867	ug/L	99
103)	n-Butylbenzene	12.929	91	787310	29.763	ug/L	98
104)	1,2-Dichlorobenzene	13.095	146	423758	27.462	ug/L	97
105)	1,2,4,5-Tetramethylben...	13.653	119	747214	29.061	ug/L	98
106)	1,2-Dibromo-3-chloropr...	13.859	155	25243	29.689	ug/L	98
107)	1,3,5-Trichlorobenzene	13.889	180	377241	28.551	ug/L	95
108)	Hexachlorobutadiene	14.447	225	174311	29.503	ug/L	99
109)	1,2,4-Trichlorobenzene	14.476	180	314665	28.532	ug/L	97
110)	Naphthalene	14.780	128	435964	28.432	ug/L	100
111)	1,2,3-Trichlorobenzene	14.937	180	248540	28.618	ug/L	98

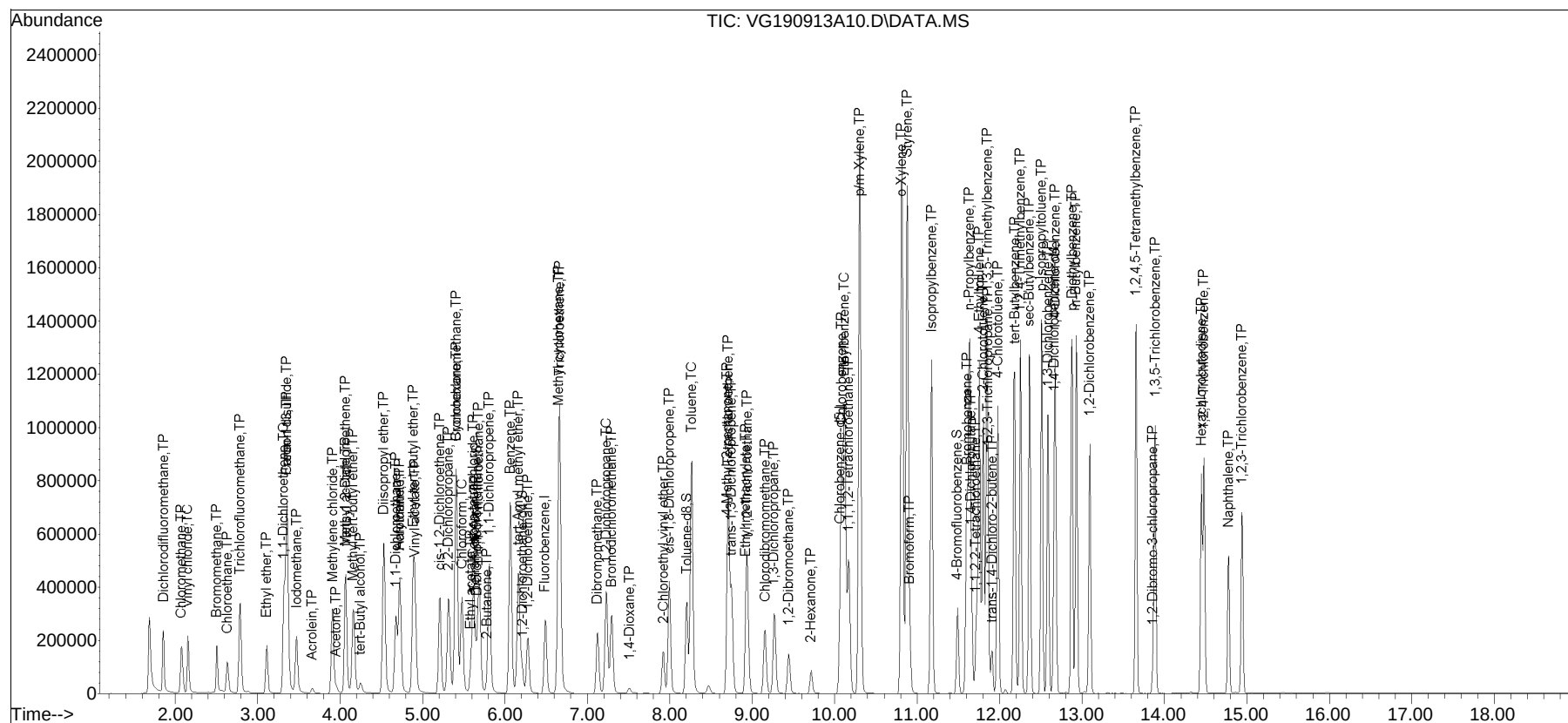
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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Data Path : I:\VOLATILES\Gonzo\2019\190913\  
Data File : VG190913A10.D  
Acq On    : 13 Sep 2019    4:53 am  
Operator  : GONZO:PD  
Sample    : I8260STD30PPB  
Misc      : WG1283852,ICAL  
ALS Vial  : 9    Sample Multiplier: 1
```

Quant Time: Sep 13 12:15:59 2019
Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 13 12:14:34 2019
Response via : Initial Calibration

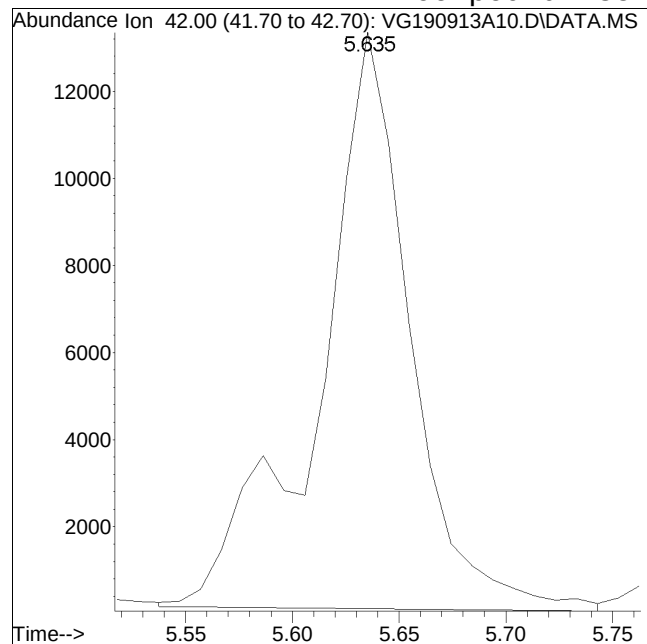
Sub List : 8260-Curve - Megamix plus Diox0913\VG190913A09.D•



Manual Integration Report

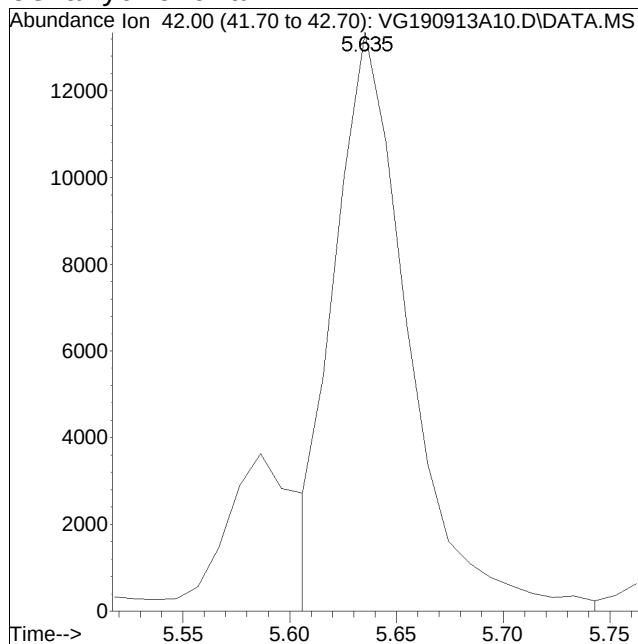
Data Path : I:\VOLATILES\Gonzo\2019\19QMethod : G_190913_8260.m
Data File : VG190913A10.D Operator : GONZO:PD
Date Inj'd : 9/13/2019 4:53 am Instrument : Gonzo
Sample : I8260STD30PPB Quant Date : 9/13/2019 12:15 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 39302

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

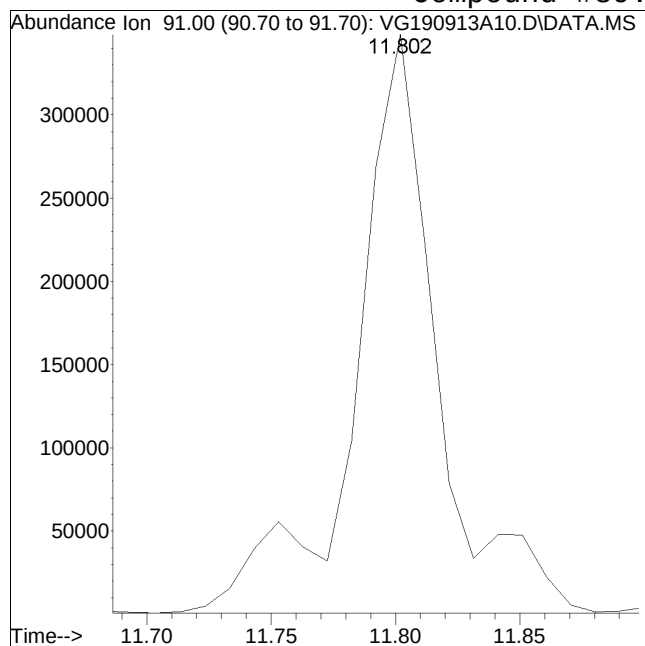


Manual Peak Response = 32284 M1

Manual Integration Report

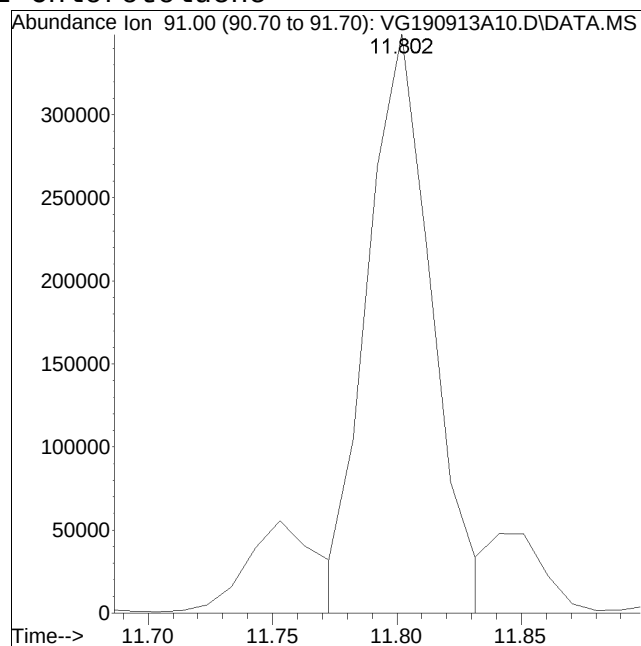
Data Path : I:\VOLATILES\Gonzo\2019\190Method : G_190913_8260.m
Data File : VG190913A10.D Operator : GONZO:PD
Date Inj'd : 9/13/2019 4:53 am Instrument : Gonzo
Sample : I8260STD30PPB Quant Date : 9/13/2019 12:15 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 798291

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

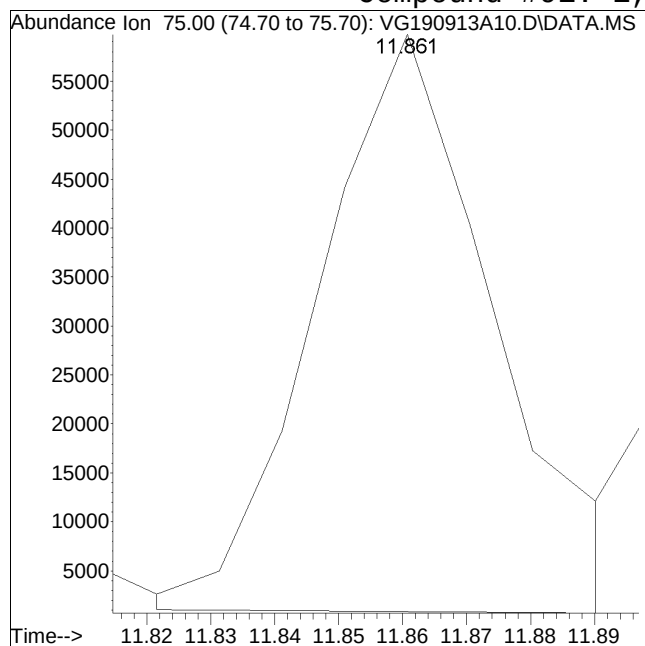


Manual Peak Response = 621441 M1

Manual Integration Report

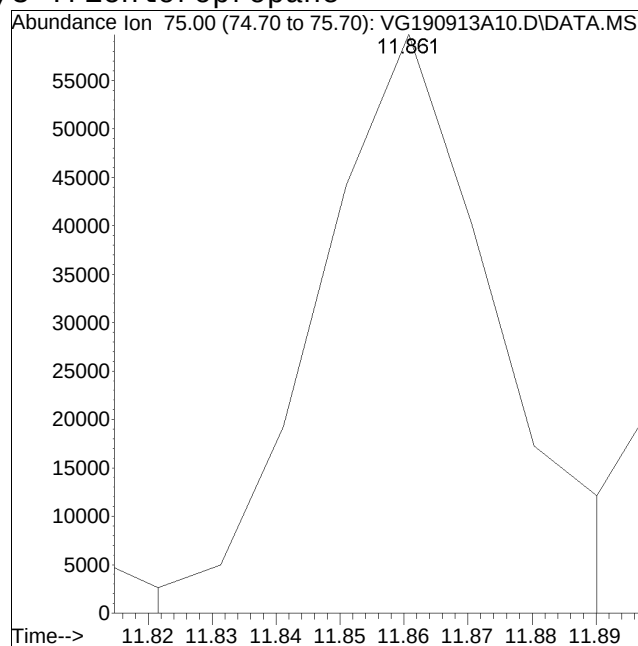
Data Path : I:\VOLATILES\Gonzo\2019\190Method : G_190913_8260.m
Data File : VG190913A10.D Operator : GONZO:PD
Date Inj'd : 9/13/2019 4:53 am Instrument : Gonzo
Sample : I8260STD30PPB Quant Date : 9/13/2019 12:15 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 112715

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 116273 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A11.D
 Acq On : 13 Sep 2019 5:19 am
 Operator : GONZO:PD
 Sample : I8260STD80PPB
 Misc : WG1283852,ICAL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 13 12:16:10 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.496	96	322499	10.000	ug/L	0.00
Standard Area 1 = 319529			Recovery	=	100.93%	
59) Chlorobenzene-d5	10.068	117	237026	10.000	ug/L	0.00
Standard Area 1 = 235132			Recovery	=	100.81%	
79) 1,4-Dichlorobenzene-d4	12.664	152	144338	10.000	ug/L	0.00
Standard Area 1 = 130310			Recovery	=	110.77%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.665	113	78539	10.149	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.49%	
43) 1,2-Dichloroethane-d4	6.212	65	73343	10.158	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.58%	
60) Toluene-d8	8.208	98	304189	10.093	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.93%	
83) 4-Bromofluorobenzene	11.489	95	111465	9.679	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.79%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.850	85	591869	87.053	ug/L	100
3) Chloromethane	2.075	50	632854	79.664	ug/L	99
4) Vinyl chloride	2.153	62	550531	83.425	ug/L	99
5) Bromomethane	2.506	94	285810	87.557	ug/L	97
6) Chloroethane	2.633	64	306758	77.942	ug/L	95
7) Trichlorofluoromethane	2.789	101	928053	86.284	ug/L	98
8) Ethyl ether	3.112	74	224743	81.718	ug/L	89
10) 1,1-Dichloroethene	3.317	96	505604	85.172	ug/L	98
11) Carbon disulfide	3.356	76	1417842	82.882	ug/L	100
12) Freon-113	3.356	101	553511	88.735	ug/L	87
13) Iodomethane	3.474	142	825530	92.134	ug/L	98
14) Acrolein	3.660	56	49357	81.668	ug/L	100
15) Methylene chloride	3.904	84	504767	79.916	ug/L	93
17) Acetone	3.953	43	84747	79.856	ug/L	97
18) trans-1,2-Dichloroethene	4.070	96	538918	82.845	ug/L	96
19) Methyl acetate	4.070	43	238435	81.766	ug/L	95
20) Methyl tert-butyl ether	4.159	73	1142059	82.973	ug/L	95
21) tert-Butyl alcohol	4.247	59	143142	422.725	ug/L	97
22) Diisopropyl ether	4.530	45	1715102	81.557	ug/L	97
23) 1,1-Dichloroethane	4.677	63	969336	82.497	ug/L	100
24) Halothane	4.726	117	463528	85.338	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A11.D
 Acq On : 13 Sep 2019 5:19 am
 Operator : GONZO:PD
 Sample : I8260STD80PPB
 Misc : WG1283852,ICAL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 13 12:16:10 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.736	53	103463	84.419	ug/L	98
26) Ethyl tert-butyl ether	4.892	59	1454754	82.185	ug/L	88
27) Vinyl acetate	4.912	43	1141680	82.464	ug/L	99
28) cis-1,2-Dichloroethene	5.215	96	576537	80.795	ug/L	98
29) 2,2-Dichloropropane	5.313	77	790943	82.270	ug/L	98
30) Bromochloromethane	5.410	128	263746	79.715	ug/L	94
31) Cyclohexane	5.410	56	943947	85.722	ug/L	92
32) Chloroform	5.479	83	930055	79.078	ug/L	98
33) Ethyl acetate	5.587	43	346219	79.147	ug/L	98
34) Carbon tetrachloride	5.616	117	855286	87.797	ug/L	100
35) Tetrahydrofuran	5.635	42	99697M1	76.487	ug/L	
37) 1,1,1-Trichloroethane	5.684	97	930071	84.242	ug/L	99
39) 2-Butanone	5.782	43	147382	81.967	ug/L	88
40) 1,1-Dichloropropene	5.811	75	749227	83.892	ug/L	97
41) Benzene	6.066	78	2182007	80.781	ug/L	98
42) tert-Amyl methyl ether	6.164	73	1301249	82.978	ug/L	99
44) 1,2-Dichloroethane	6.281	62	606495	81.527	ug/L	100
47) Methyl cyclohexane	6.653	83	1020181	85.376	ug/L	92
48) Trichloroethene	6.662	95	597450	82.510	ug/L	100
50) Dibromomethane	7.122	93	282999	80.305	ug/L	# 84
51) 1,2-Dichloropropane	7.230	63	515187	79.662	ug/L	99
53) 2-Chloroethyl vinyl ether	7.924	63	265135	84.766	ug/L	96
54) Bromodichloromethane	7.298	83	730007	82.108	ug/L	100
57) 1,4-Dioxane	7.504	88	32066	840.892	ug/L	97
58) cis-1,3-Dichloropropene	7.993	75	839453	80.392	ug/L	91
61) Toluene	8.266	92	1406914	81.045	ug/L	97
62) 4-Methyl-2-pentanone	8.697	58	120745	84.217	ug/L	85
63) Tetrachloroethene	8.707	166	817409	83.978	ug/L	96
65) trans-1,3-Dichloropropene	8.746	75	721581	83.907	ug/L	91
67) Ethyl methacrylate	8.932	69	514006	84.846	ug/L	100
68) 1,1,2-Trichloroethane	8.942	83	331099	81.474	ug/L	99
69) Chlorodibromomethane	9.157	129	533342	84.469	ug/L	99
70) 1,3-Dichloropropane	9.275	76	664764	81.259	ug/L	100
71) 1,2-Dibromoethane	9.441	107	407409	83.146	ug/L	99
72) 2-Hexanone	9.716	43	233315	84.156	ug/L	93
73) Chlorobenzene	10.088	112	1525550	80.415	ug/L	97
74) Ethylbenzene	10.127	91	2768314	82.021	ug/L	100
75) 1,1,1,2-Tetrachloroethane	10.176	131	591011	83.675	ug/L	99
76) p/m Xylene	10.303	106	2178519	166.270	ug/L	97
77) o Xylene	10.823	106	2031026	165.167	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A11.D
 Acq On : 13 Sep 2019 5:19 am
 Operator : GONZO:PD
 Sample : I8260STD80PPB
 Misc : WG1283852,ICAL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 13 12:16:10 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	10.881	104	3358350	166.875	ug/L	97
80)	Bromoform	10.911	173	417367	85.325	ug/L	98
82)	Isopropylbenzene	11.175	105	2891586	80.442	ug/L	99
84)	Bromobenzene	11.606	156	791184	78.697	ug/L	97
85)	n-Propylbenzene	11.636	91	3352647	79.508	ug/L	99
86)	1,4-Dichlorobutane	11.665	55	588362	77.194	ug/L	98
87)	1,1,2,2-Tetrachloroethane	11.724	83	428106	79.168	ug/L	99
88)	4-Ethyltoluene	11.753	105	2702565	80.109	ug/L	99
89)	2-Chlorotoluene	11.802	91	1860158M1	78.738	ug/L	
90)	1,3,5-Trimethylbenzene	11.851	105	2373846	80.130	ug/L	99
91)	1,2,3-Trichloropropane	11.861	75	351182M1	78.957	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.910	53	111065	84.760	ug/L #	95
93)	4-Chlorotoluene	11.978	91	1949771	78.341	ug/L	97
94)	tert-Butylbenzene	12.184	119	2146366	81.012	ug/L	99
97)	1,2,4-Trimethylbenzene	12.253	105	2356386	80.697	ug/L	100
98)	sec-Butylbenzene	12.360	105	2909979	81.990	ug/L	98
99)	p-Isopropyltoluene	12.517	119	2766940	82.763	ug/L	99
100)	1,3-Dichlorobenzene	12.586	146	1465292	80.105	ug/L	96
101)	1,4-Dichlorobenzene	12.674	146	1451403	78.944	ug/L	97
102)	p-Diethylbenzene	12.880	119	1563120	83.354	ug/L	98
103)	n-Butylbenzene	12.938	91	2342247	83.402	ug/L	98
104)	1,2-Dichlorobenzene	13.095	146	1299071	79.298	ug/L	97
105)	1,2,4,5-Tetramethylben...	13.654	119	2212509	81.051	ug/L	98
106)	1,2-Dibromo-3-chloropr...	13.859	155	77270	85.601	ug/L	93
107)	1,3,5-Trichlorobenzene	13.889	180	1112873	79.335	ug/L	95
108)	Hexachlorobutadiene	14.447	225	520396	82.965	ug/L	100
109)	1,2,4-Trichlorobenzene	14.486	180	908789	77.617	ug/L	98
110)	Naphthalene	14.780	128	1265208	77.721	ug/L	100
111)	1,2,3-Trichlorobenzene	14.947	180	729633	79.135	ug/L	98

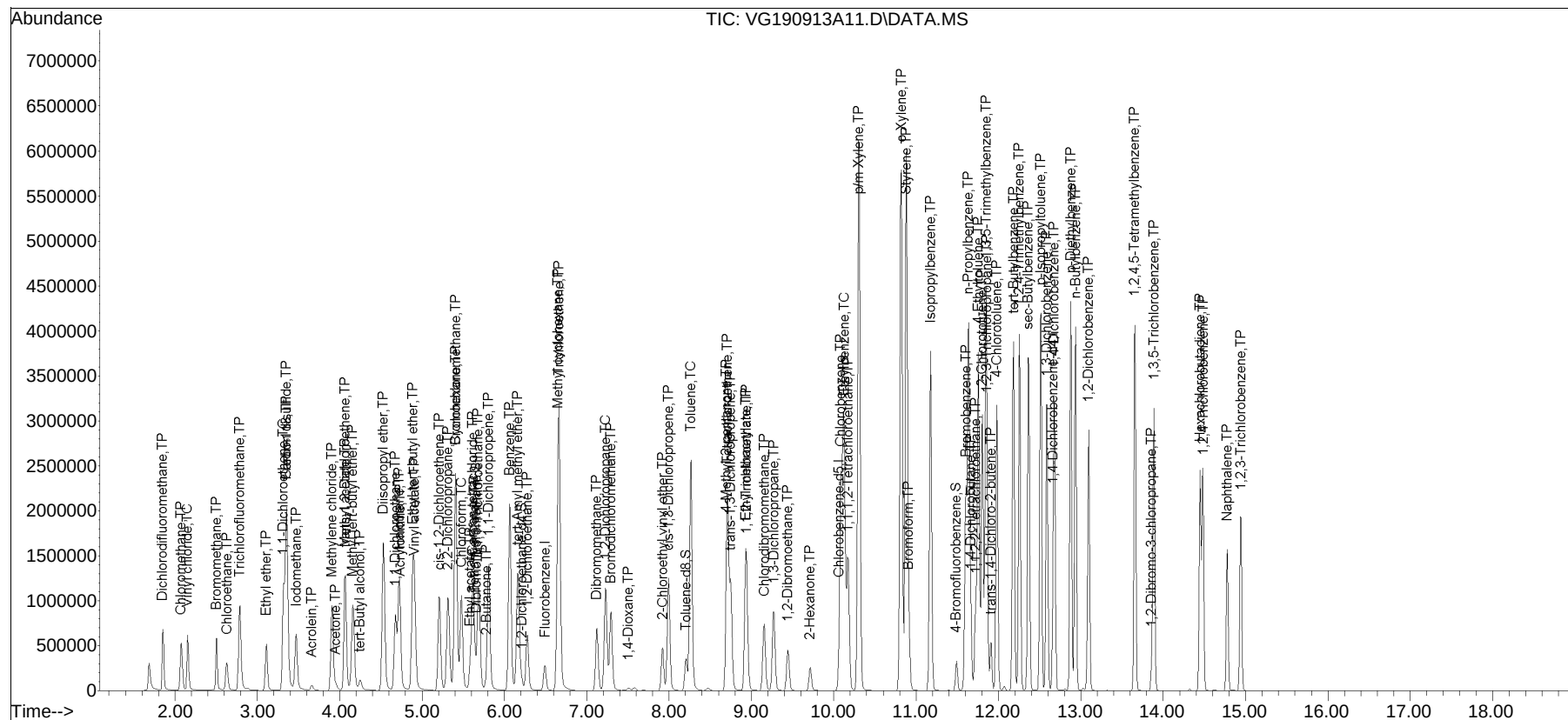
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A11.D
 Acq On : 13 Sep 2019 5:19 am
 Operator : GONZO:PD
 Sample : I8260STD80PPB
 Misc : WG1283852,ICAL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 13 12:16:10 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

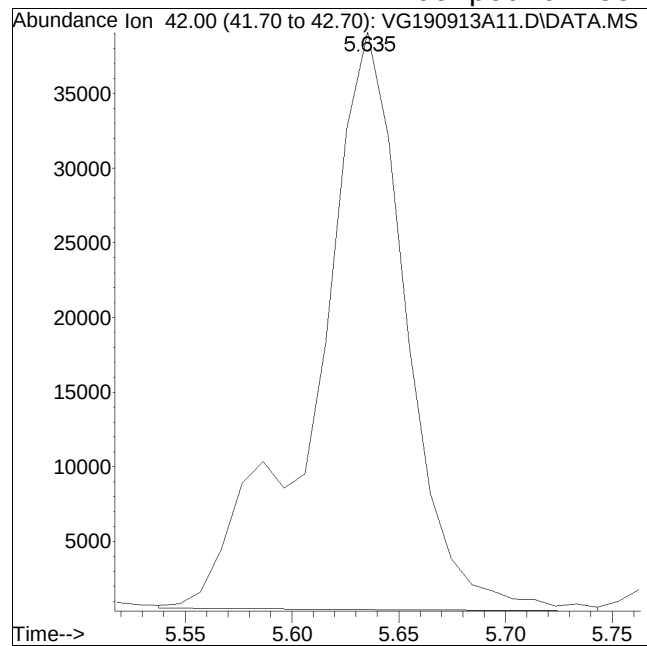
Sub List : 8260-Curve - Megamix plus Diox0913\VG190913A09.D•



Manual Integration Report

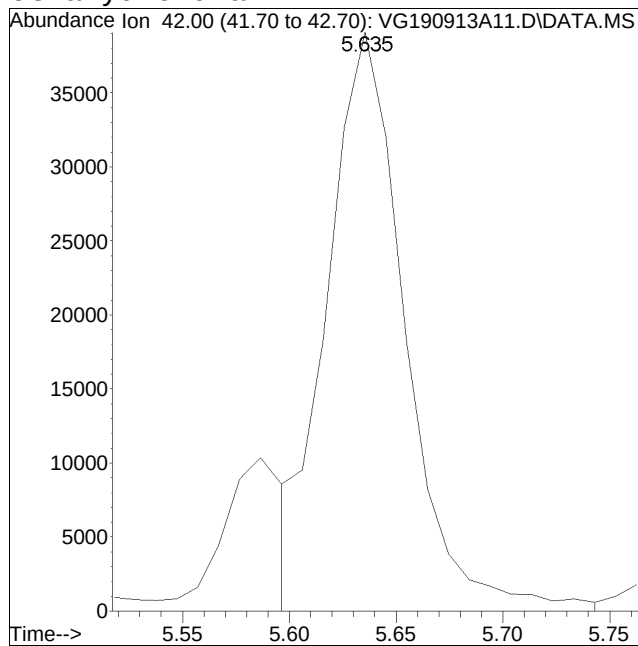
Data Path : I:\VOLATILES\Gonzo\2019\19QMethod : G_190913_8260.m
Data File : VG190913A11.D Operator : GONZO:PD
Date Inj'd : 9/13/2019 5:19 am Instrument : Gonzo
Sample : I8260STD80PPB Quant Date : 9/13/2019 12:16 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 114679

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

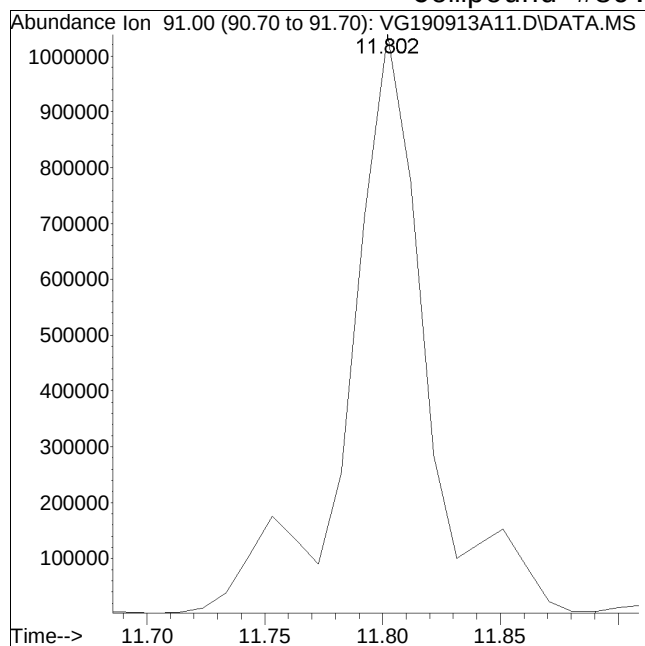


Manual Peak Response = 99697 M1

Manual Integration Report

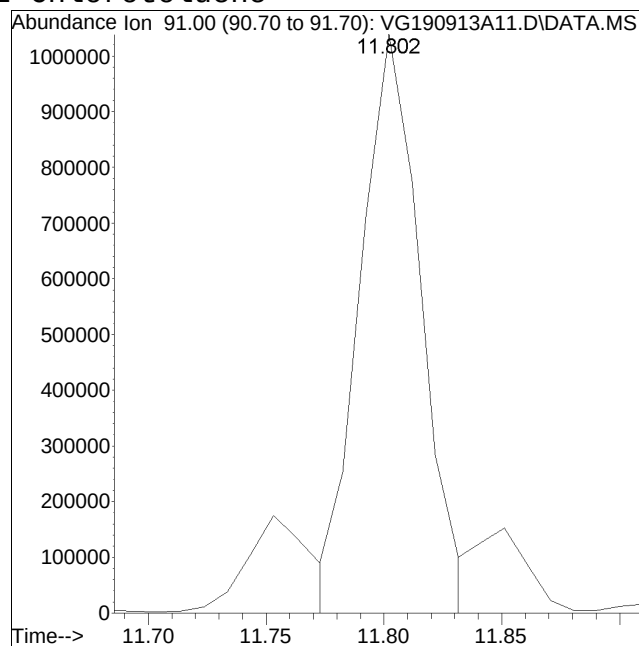
Data Path : I:\VOLATILES\Gonzo\2019\190Method : G_190913_8260.m
Data File : VG190913A11.D Operator : GONZO:PD
Date Inj'd : 9/13/2019 5:19 am Instrument : Gonzo
Sample : I8260STD80PPB Quant Date : 9/13/2019 12:16 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 2398910

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

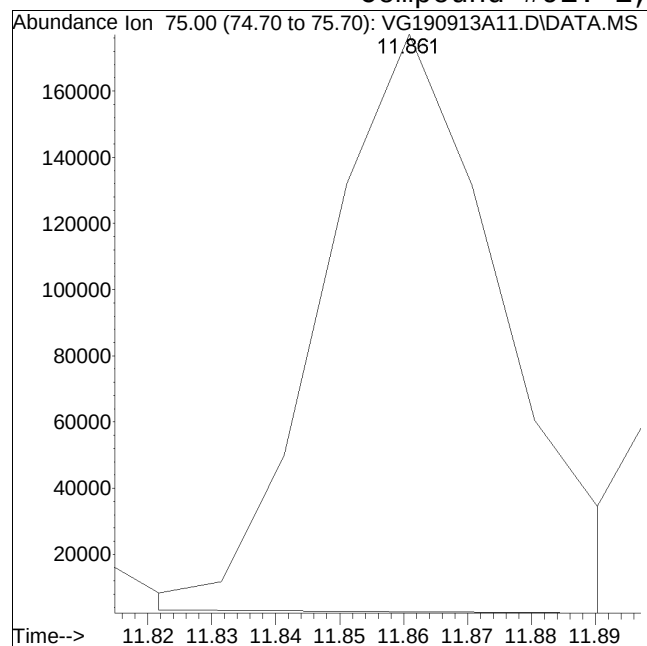


Manual Peak Response = 1860158 M1

Manual Integration Report

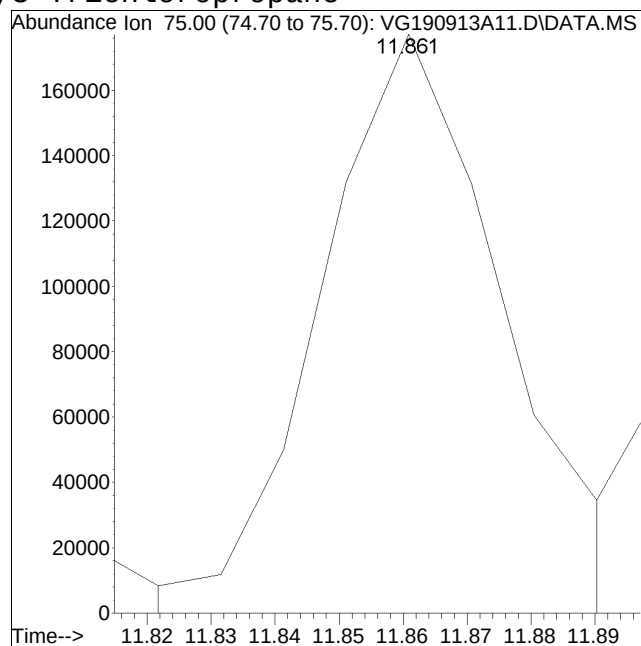
Data Path : I:\VOLATILES\Gonzo\2019\190Method : G_190913_8260.m
Data File : VG190913A11.D Operator : GONZO:PD
Date Inj'd : 9/13/2019 5:19 am Instrument : Gonzo
Sample : I8260STD80PPB Quant Date : 9/13/2019 12:16 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 339806

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 351182 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A12.D
 Acq On : 13 Sep 2019 5:44 am
 Operator : GONZO:PD
 Sample : I8260STD120PPB
 Misc : WG1283852,ICAL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 13 12:16:22 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.496	96	326295	10.000	ug/L	0.00
Standard Area 1 = 319529			Recovery	=	102.12%	
59) Chlorobenzene-d5	10.068	117	244348	10.000	ug/L	0.00
Standard Area 1 = 235132			Recovery	=	103.92%	
79) 1,4-Dichlorobenzene-d4	12.664	152	148140	10.000	ug/L	0.00
Standard Area 1 = 130310			Recovery	=	113.68%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.665	113	80817	10.322	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.22%	
43) 1,2-Dichloroethane-d4	6.212	65	76406	10.459	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	104.59%	
60) Toluene-d8	8.208	98	305830	9.844	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.44%	
83) 4-Bromofluorobenzene	11.489	95	114071	9.651	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.51%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.860	85	909059	132.150	ug/L	99
3) Chloromethane	2.075	50	968356	120.480	ug/L	99
4) Vinyl chloride	2.153	62	847539	126.939	ug/L	99
5) Bromomethane	2.506	94	477484	144.575	ug/L	99
6) Chloroethane	2.633	64	468449	117.641	ug/L	95
7) Trichlorofluoromethane	2.789	101	1449257	133.174	ug/L	98
8) Ethyl ether	3.112	74	334979	120.384	ug/L	89
10) 1,1-Dichloroethene	3.317	96	773245	128.742	ug/L	97
11) Carbon disulfide	3.356	76	2199349	127.071	ug/L	100
12) Freon-113	3.356	101	842076	133.425	ug/L	84
13) Iodomethane	3.474	142	1234156	136.136	ug/L	98
14) Acrolein	3.660	56	72477	118.528	ug/L	96
15) Methylene chloride	3.904	84	764453	119.622	ug/L	92
17) Acetone	3.953	43	126082	118.413	ug/L	99
18) trans-1,2-Dichloroethene	4.070	96	824384	125.253	ug/L	97
19) Methyl acetate	4.070	43	339277	114.994	ug/L	95
20) Methyl tert-butyl ether	4.158	73	1705394	122.458	ug/L	94
21) tert-Butyl alcohol	4.246	59	209835	612.472	ug/L	96
22) Diisopropyl ether	4.530	45	2563730	120.494	ug/L	97
23) 1,1-Dichloroethane	4.677	63	1461997	122.978	ug/L	99
24) Halothane	4.726	117	710788	129.338	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A12.D
 Acq On : 13 Sep 2019 5:44 am
 Operator : GONZO:PD
 Sample : I8260STD120PPB
 Misc : WG1283852,ICAL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 13 12:16:22 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.726	53	148536	119.785	ug/L	96
26) Ethyl tert-butyl ether	4.892	59	2185725	122.044	ug/L	89
27) Vinyl acetate	4.912	43	1676338	119.674	ug/L	99
28) cis-1,2-Dichloroethene	5.215	96	868803	120.336	ug/L	96
29) 2,2-Dichloropropane	5.313	77	1212781	124.680	ug/L	97
30) Bromochloromethane	5.410	128	389038	116.216	ug/L	94
31) Cyclohexane	5.410	56	1426188	128.008	ug/L	93
32) Chloroform	5.479	83	1424065	119.672	ug/L	98
33) Ethyl acetate	5.586	43	503930	113.859	ug/L	98
34) Carbon tetrachloride	5.616	117	1317841	133.706	ug/L	99
35) Tetrahydrofuran	5.635	42	145424M1	110.271	ug/L	
37) 1,1,1-Trichloroethane	5.684	97	1435305	128.492	ug/L	99
39) 2-Butanone	5.782	43	208822	114.785	ug/L	92
40) 1,1-Dichloropropene	5.811	75	1144476	126.659	ug/L	97
41) Benzene	6.066	78	3294377	120.544	ug/L	97
42) tert-Amyl methyl ether	6.164	73	1938854	122.198	ug/L	100
44) 1,2-Dichloroethane	6.281	62	918798	122.070	ug/L	99
47) Methyl cyclohexane	6.653	83	1539596	127.345	ug/L	91
48) Trichloroethene	6.662	95	914302	124.800	ug/L	100
50) Dibromomethane	7.122	93	425032	119.205	ug/L	# 85
51) 1,2-Dichloropropane	7.230	63	775185	118.470	ug/L	98
53) 2-Chloroethyl vinyl ether	7.924	63	387656	122.496	ug/L	95
54) Bromodichloromethane	7.298	83	1124199	124.974	ug/L	100
57) 1,4-Dioxane	7.513	88	41913	1086.331	ug/L	97
58) cis-1,3-Dichloropropene	7.993	75	1272670	120.461	ug/L	90
61) Toluene	8.266	92	2123560	118.661	ug/L	97
62) 4-Methyl-2-pentanone	8.707	58	175892	119.005	ug/L	86
63) Tetrachloroethene	8.707	166	1279637	127.526	ug/L	96
65) trans-1,3-Dichloropropene	8.746	75	1088953	122.831	ug/L	92
67) Ethyl methacrylate	8.932	69	748293	119.818	ug/L	99
68) 1,1,2-Trichloroethane	8.942	83	490026	116.968	ug/L	99
69) Chlorodibromomethane	9.157	129	817710	125.625	ug/L	99
70) 1,3-Dichloropropane	9.275	76	988459	117.207	ug/L	100
71) 1,2-Dibromoethane	9.441	107	608431	120.450	ug/L	98
72) 2-Hexanone	9.716	43	338789	118.539	ug/L	93
73) Chlorobenzene	10.088	112	2334094	119.348	ug/L	97
74) Ethylbenzene	10.127	91	4269551	122.710	ug/L	100
75) 1,1,1,2-Tetrachloroethane	10.176	131	916126	125.818	ug/L	98
76) p/m Xylene	10.303	106	3336183	246.996	ug/L	96
77) o Xylene	10.822	106	3120881	246.191	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A12.D
 Acq On : 13 Sep 2019 5:44 am
 Operator : GONZO:PD
 Sample : I8260STD120PPB
 Misc : WG1283852,ICAL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 13 12:16:22 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	10.881	104	5156144	248.530	ug/L	96
80)	Bromoform	10.911	173	640991	127.679	ug/L	98
82)	Isopropylbenzene	11.175	105	4458035	120.836	ug/L	99
84)	Bromobenzene	11.606	156	1240717	120.244	ug/L	97
85)	n-Propylbenzene	11.636	91	5188214	119.880	ug/L	99
86)	1,4-Dichlorobutane	11.665	55	874254	111.760	ug/L	98
87)	1,1,2,2-Tetrachloroethane	11.724	83	636325	114.653	ug/L	100
88)	4-Ethyltoluene	11.753	105	4187391	120.936	ug/L	98
89)	2-Chlorotoluene	11.802	91	2863300M1	118.089	ug/L	
90)	1,3,5-Trimethylbenzene	11.851	105	3661422	120.421	ug/L	99
91)	1,2,3-Trichloropropane	11.861	75	515793M1	112.991	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.910	53	165415	122.998	ug/L #	93
93)	4-Chlorotoluene	11.978	91	3013451	117.972	ug/L	97
94)	tert-Butylbenzene	12.184	119	3333267	122.582	ug/L	99
97)	1,2,4-Trimethylbenzene	12.253	105	3606397	120.336	ug/L	99
98)	sec-Butylbenzene	12.370	105	4423822	121.444	ug/L	97
99)	p-Isopropyltoluene	12.517	119	4277562	124.663	ug/L	100
100)	1,3-Dichlorobenzene	12.586	146	2267803	120.795	ug/L	96
101)	1,4-Dichlorobenzene	12.684	146	2237028	118.553	ug/L	97
102)	p-Diethylbenzene	12.880	119	2379615	123.637	ug/L	98
103)	n-Butylbenzene	12.938	91	3540324	122.827	ug/L	98
104)	1,2-Dichlorobenzene	13.095	146	1980200	117.773	ug/L	97
105)	1,2,4,5-Tetramethylben...	13.654	119	3374485	120.445	ug/L	98
106)	1,2-Dibromo-3-chloropr...	13.869	155	116147	125.367	ug/L	97
107)	1,3,5-Trichlorobenzene	13.889	180	1731210	120.248	ug/L	95
108)	Hexachlorobutadiene	14.447	225	812818	126.258	ug/L	99
109)	1,2,4-Trichlorobenzene	14.486	180	1400015	116.502	ug/L	98
110)	Naphthalene	14.780	128	1888829	113.051	ug/L	100
111)	1,2,3-Trichlorobenzene	14.947	180	1125415	118.928	ug/L	98

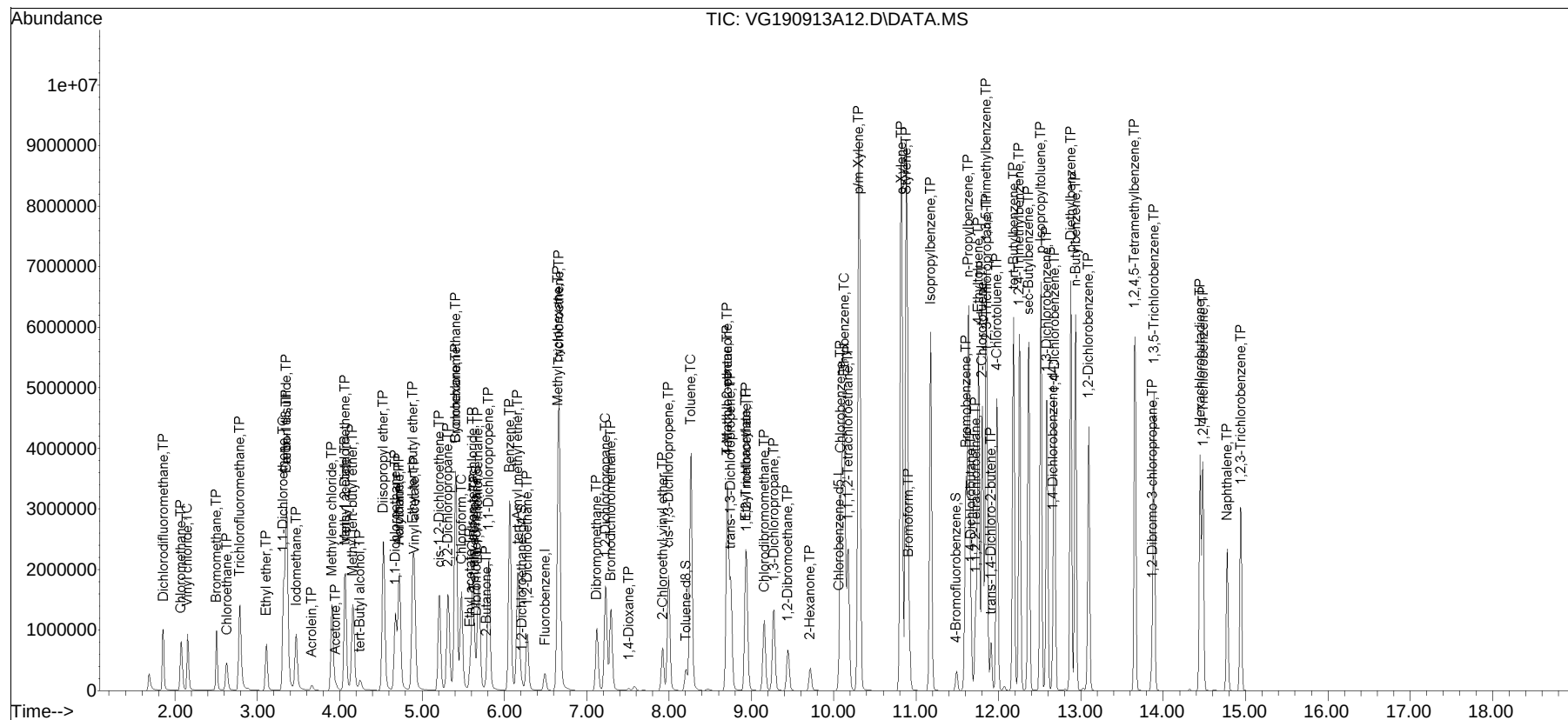
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A12.D
 Acq On : 13 Sep 2019 5:44 am
 Operator : GONZO:PD
 Sample : I8260STD120PPB
 Misc : WG1283852,ICAL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 13 12:16:22 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

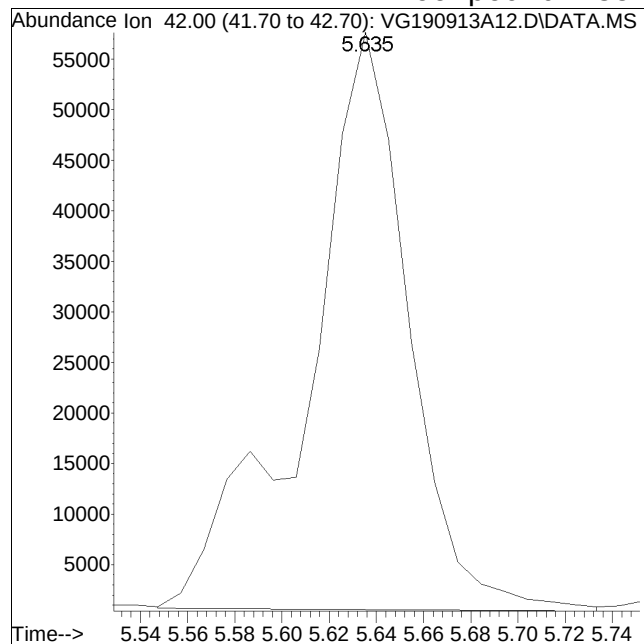
Sub List : 8260-Curve - Megamix plus Diox0913\VG190913A09.D•



Manual Integration Report

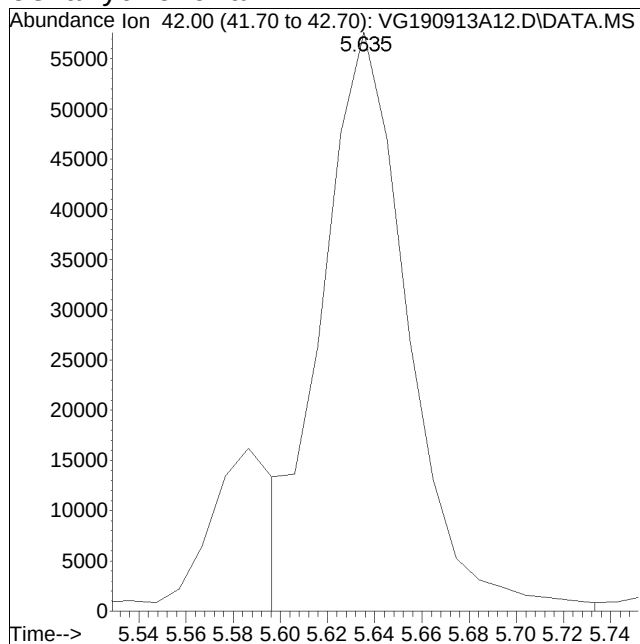
Data Path : I:\VOLATILES\Gonzo\2019\19QMethod : G_190913_8260.m
Data File : VG190913A12.D Operator : GONZO:PD
Date Inj'd : 9/13/2019 5:44 am Instrument : Gonzo
Sample : I8260STD120PPB Quant Date : 9/13/2019 12:16 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 169581

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

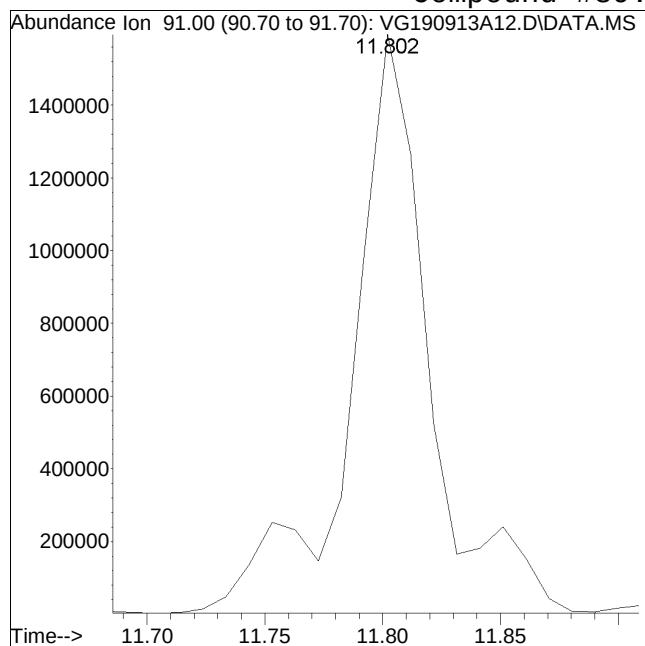


Manual Peak Response = 145424 M1

Manual Integration Report

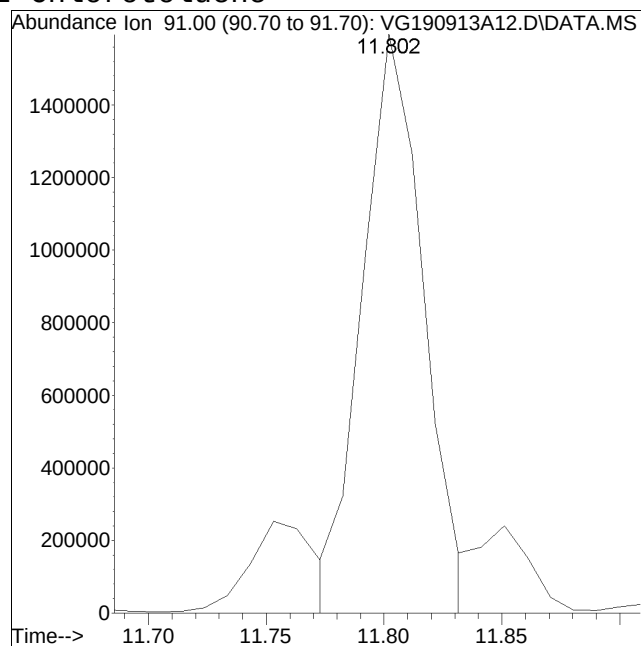
Data Path : I:\VOLATILES\Gonzo\2019\19QMethod : G_190913_8260.m
Data File : VG190913A12.D Operator : GONZO:PD
Date Inj'd : 9/13/2019 5:44 am Instrument : Gonzo
Sample : I8260STD120PPB Quant Date : 9/13/2019 12:16 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 3689815

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

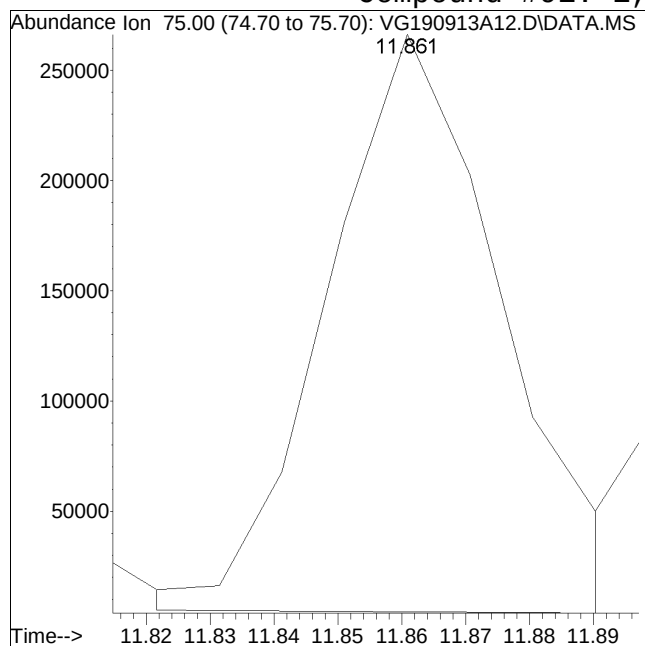


Manual Peak Response = 2863300 M1

Manual Integration Report

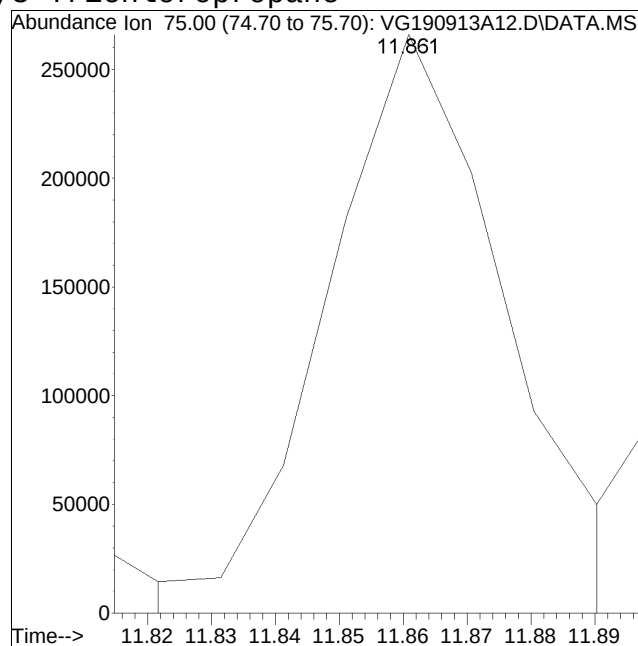
Data Path : I:\VOLATILES\Gonzo\2019\190Method : G_190913_8260.m
Data File : VG190913A12.D Operator : GONZO:PD
Date Inj'd : 9/13/2019 5:44 am Instrument : Gonzo
Sample : I8260STD120PPB Quant Date : 9/13/2019 12:16 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 497229

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 515793 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A13.D
 Acq On : 13 Sep 2019 6:10 am
 Operator : GONZO:PD
 Sample : I8260STD200PPB
 Misc : WG1283852,ICAL
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 13 12:16:33 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.496	96	327919	10.000	ug/L	0.00
Standard Area 1 = 319529			Recovery	=	102.63%	
59) Chlorobenzene-d5	10.068	117	248173	10.000	ug/L	0.00
Standard Area 1 = 235132			Recovery	=	105.55%	
79) 1,4-Dichlorobenzene-d4	12.664	152	149709	10.000	ug/L	0.00
Standard Area 1 = 130310			Recovery	=	114.89%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.665	113	79501	10.104	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.04%	
43) 1,2-Dichloroethane-d4	6.212	65	78686	10.718	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	107.18%	
60) Toluene-d8	8.208	98	310149	9.829	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.29%	
83) 4-Bromofluorobenzene	11.488	95	113273	9.483	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	94.83%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.860	85	1484454	214.726	ug/L	99
3) Chloromethane	2.075	50	1581022	195.732	ug/L	99
4) Vinyl chloride	2.153	62	1373317	204.667	ug/L	99
5) Bromomethane	2.505	94	822668	247.857	ug/L	97
6) Chloroethane	2.623	64	764144	190.947	ug/L	95
7) Trichlorofluoromethane	2.789	101	2379954	217.614	ug/L	98
8) Ethyl ether	3.112	74	558161	199.597	ug/L	90
10) 1,1-Dichloroethene	3.317	96	1258412	208.483	ug/L	96
11) Carbon disulfide	3.356	76	3561270	204.739	ug/L	100
12) Freon-113	3.356	101	1363844	215.028	ug/L	84
13) Iodomethane	3.474	142	1989045	218.319	ug/L	98
14) Acrolein	3.660	56	130382	212.170	ug/L	98
15) Methylene chloride	3.904	84	1250377	194.691	ug/L	92
17) Acetone	3.953	43	217927	205.172	ug/L	99
18) trans-1,2-Dichloroethene	4.070	96	1339525	202.514	ug/L	96
19) Methyl acetate	4.070	43	558216	188.264	ug/L	94
20) Methyl tert-butyl ether	4.158	73	2892105	206.644	ug/L	94
21) tert-Butyl alcohol	4.256	59	366637	1064.850	ug/L	96
22) Diisopropyl ether	4.530	45	4185241	195.729	ug/L	97
23) 1,1-Dichloroethane	4.677	63	2386843	199.779	ug/L	99
24) Halothane	4.726	117	1163151	210.604	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A13.D
 Acq On : 13 Sep 2019 6:10 am
 Operator : GONZO:PD
 Sample : I8260STD200PPB
 Misc : WG1283852,ICAL
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 13 12:16:33 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.735	53	253824	203.680	ug/L	97
26) Ethyl tert-butyl ether	4.892	59	3620563	201.159	ug/L	87
27) Vinyl acetate	4.911	43	2854154	202.750	ug/L	99
28) cis-1,2-Dichloroethene	5.215	96	1438837	198.304	ug/L	97
29) 2,2-Dichloropropane	5.322	77	1977756	202.317	ug/L	97
30) Bromochloromethane	5.410	128	644100	191.457	ug/L	96
31) Cyclohexane	5.410	56	2280927	203.712	ug/L	93
32) Chloroform	5.479	83	2414955	201.937	ug/L	98
33) Ethyl acetate	5.586	43	870682	195.750	ug/L	98
34) Carbon tetrachloride	5.616	117	2178848	219.967	ug/L	99
35) Tetrahydrofuran	5.635	42	250922M1	189.324	ug/L	
37) 1,1,1-Trichloroethane	5.694	97	2374638	211.530	ug/L	99
39) 2-Butanone	5.782	43	375179	205.207	ug/L	90
40) 1,1-Dichloropropene	5.811	75	1850776	203.810	ug/L	97
41) Benzene	6.066	78	5345698	194.635	ug/L	97
42) tert-Amyl methyl ether	6.163	73	3247233	203.646	ug/L	100
44) 1,2-Dichloroethane	6.281	62	1567344	207.204	ug/L	99
47) Methyl cyclohexane	6.662	83	2475216	203.719	ug/L	91
48) Trichloroethene	6.672	95	1495914	203.178	ug/L	99
50) Dibromomethane	7.122	93	730416	203.840	ug/L	# 83
51) 1,2-Dichloropropane	7.230	63	1274547	193.822	ug/L	98
53) 2-Chloroethyl vinyl ether	7.924	63	665158	209.143	ug/L	95
54) Bromodichloromethane	7.298	83	1888433	208.892	ug/L	100
57) 1,4-Dioxane	7.513	88	73523	1896.184	ug/L	96
58) cis-1,3-Dichloropropene	7.992	75	2116603	199.349	ug/L	# 89
61) Toluene	8.266	92	3507709	192.985	ug/L	97
62) 4-Methyl-2-pentanone	8.706	58	300505	200.182	ug/L	86
63) Tetrachloroethene	8.716	166	2164749	212.410	ug/L	96
65) trans-1,3-Dichloropropene	8.755	75	1838385	204.169	ug/L	91
67) Ethyl methacrylate	8.932	69	1279213	201.673	ug/L	98
68) 1,1,2-Trichloroethane	8.942	83	834833	196.201	ug/L	99
69) Chlorodibromomethane	9.157	129	1400750	211.881	ug/L	98
70) 1,3-Dichloropropane	9.275	76	1667365	194.661	ug/L	100
71) 1,2-Dibromoethane	9.441	107	1046295	203.941	ug/L	98
72) 2-Hexanone	9.715	43	595766	205.240	ug/L	92
73) Chlorobenzene	10.097	112	3922372	197.469	ug/L	98
74) Ethylbenzene	10.127	91	6982261	197.582	ug/L	100
75) 1,1,1,2-Tetrachloroethane	10.176	131	1539908	208.227	ug/L	99
76) p/m Xylene	10.313	106	5433233	396.052	ug/L	96
77) o Xylene	10.822	106	5054400	392.572	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A13.D
 Acq On : 13 Sep 2019 6:10 am
 Operator : GONZO:PD
 Sample : I8260STD200PPB
 Misc : WG1283852,ICAL
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 13 12:16:33 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	10.891	104	8279026	392.904	ug/L	95
80)	Bromoform	10.920	173	1122762	221.299	ug/L	97
82)	Isopropylbenzene	11.175	105	7269315	194.972	ug/L	98
84)	Bromobenzene	11.606	156	2078151	199.293	ug/L	97
85)	n-Propylbenzene	11.635	91	8320845	190.249	ug/L	98
86)	1,4-Dichlorobutane	11.665	55	1495356	189.154	ug/L	97
87)	1,1,2,2-Tetrachloroethane	11.724	83	1093163	194.902	ug/L	100
88)	4-Ethyltoluene	11.763	105	6831049	195.219	ug/L	99
89)	2-Chlorotoluene	11.812	91	4888128M1	199.485	ug/L	
90)	1,3,5-Trimethylbenzene	11.851	105	5889213	191.661	ug/L	98
91)	1,2,3-Trichloropropane	11.861	75	872455M1	189.119	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.910	53	294420	216.628	ug/L #	93
93)	4-Chlorotoluene	11.988	91	4984524	193.092	ug/L	97
94)	tert-Butylbenzene	12.184	119	5440711	197.986	ug/L	99
97)	1,2,4-Trimethylbenzene	12.262	105	5849490	193.136	ug/L	99
98)	sec-Butylbenzene	12.370	105	7127257	193.609	ug/L	97
99)	p-Isopropyltoluene	12.517	119	6815478	196.546	ug/L	99
100)	1,3-Dichlorobenzene	12.595	146	3666123	193.230	ug/L	97
101)	1,4-Dichlorobenzene	12.684	146	3662814	192.079	ug/L	97
102)	p-Diethylbenzene	12.880	119	3810267	195.895	ug/L	98
103)	n-Butylbenzene	12.938	91	5574534	191.374	ug/L	98
104)	1,2-Dichlorobenzene	13.095	146	3259339	191.819	ug/L	97
105)	1,2,4,5-Tetramethylben...	13.663	119	5456351	192.712	ug/L	97
106)	1,2-Dibromo-3-chloropr...	13.869	155	207050	221.143	ug/L	97
107)	1,3,5-Trichlorobenzene	13.889	180	2829906	194.502	ug/L	95
108)	Hexachlorobutadiene	14.447	225	1371410	210.794	ug/L	99
109)	1,2,4-Trichlorobenzene	14.486	180	2379035	195.896	ug/L	97
110)	Naphthalene	14.780	128	3295176	195.158	ug/L	100
111)	1,2,3-Trichlorobenzene	14.946	180	1914064	200.149	ug/L	98

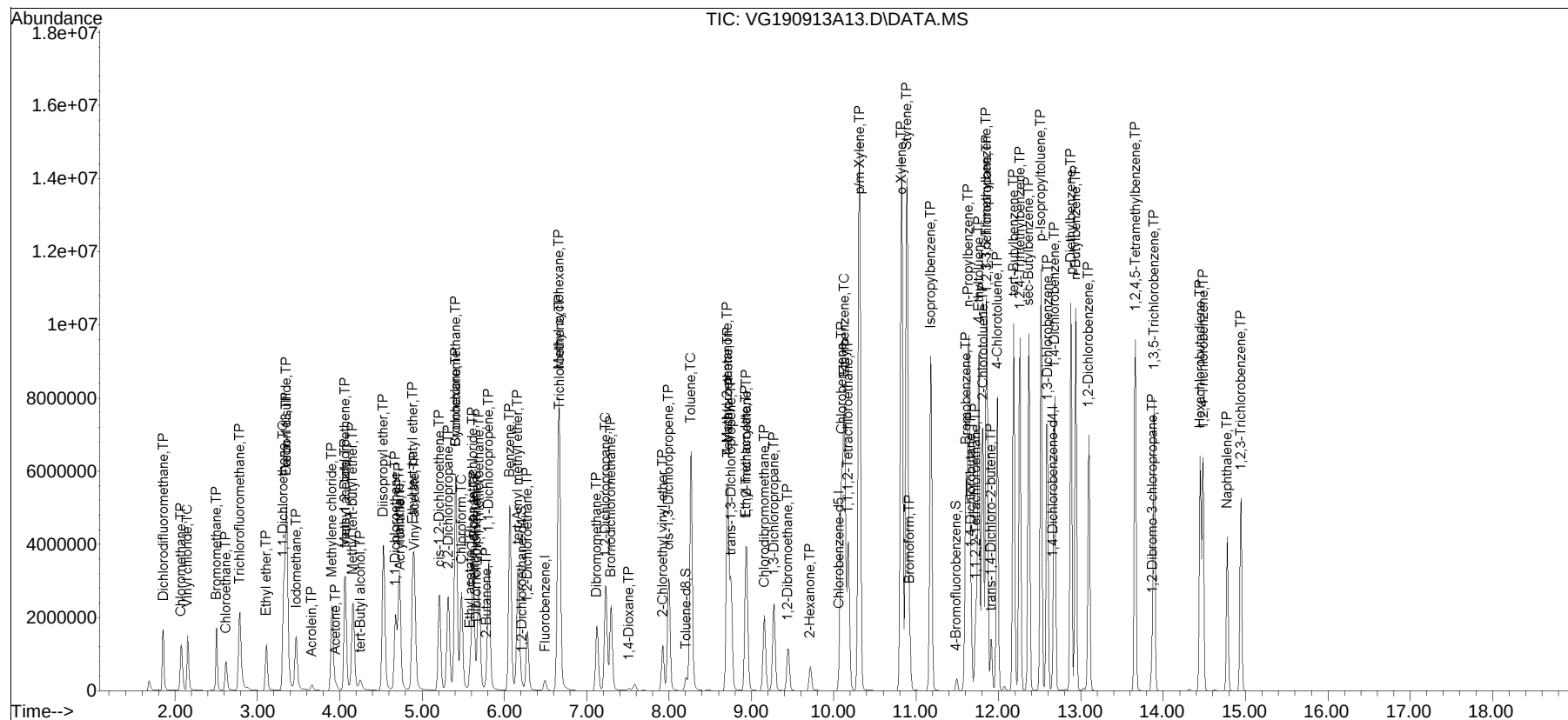
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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Data Path   : I:\VOLATILES\Gonzo\2019\190913\  
Data File  : VG190913A13.D  
Acq On     : 13 Sep 2019    6:10 am  
Operator   : GONZO:PD  
Sample     : I8260STD200PPB  
Misc       : WG1283852,ICAL  
ALS Vial   : 12    Sample Multiplier: 1
```

Quant Time: Sep 13 12:16:33 2019
Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 13 12:14:34 2019
Response via : Initial Calibration

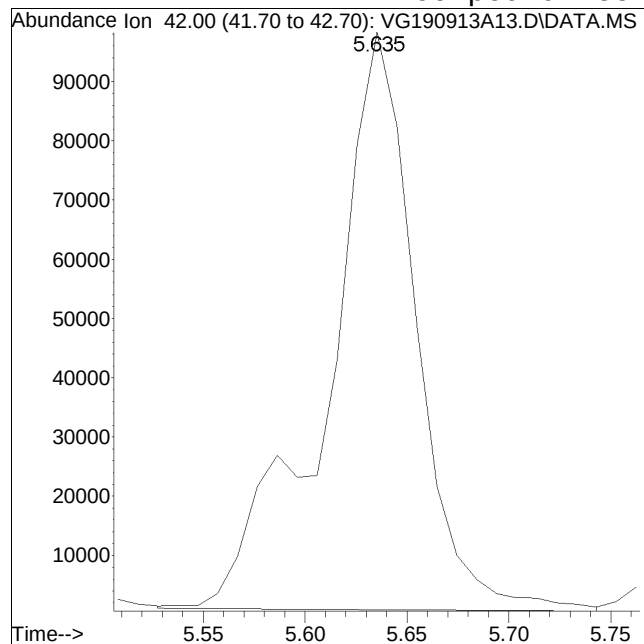
Sub List : 8260-Curve - Megamix plus Diox0913\VG190913A09.D•



Manual Integration Report

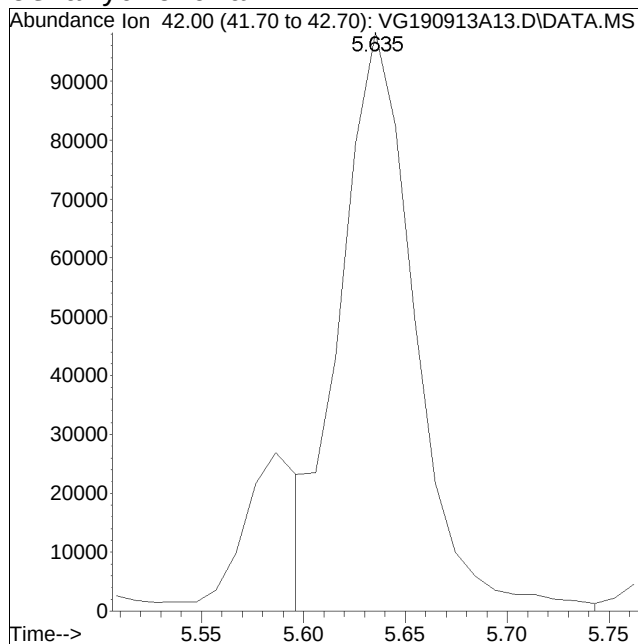
Data Path : I:\VOLATILES\Gonzo\2019\19QMethod : G_190913_8260.m
Data File : VG190913A13.D Operator : GONZO:PD
Date Inj'd : 9/13/2019 6:10 am Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 9/13/2019 12:16 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 291795

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

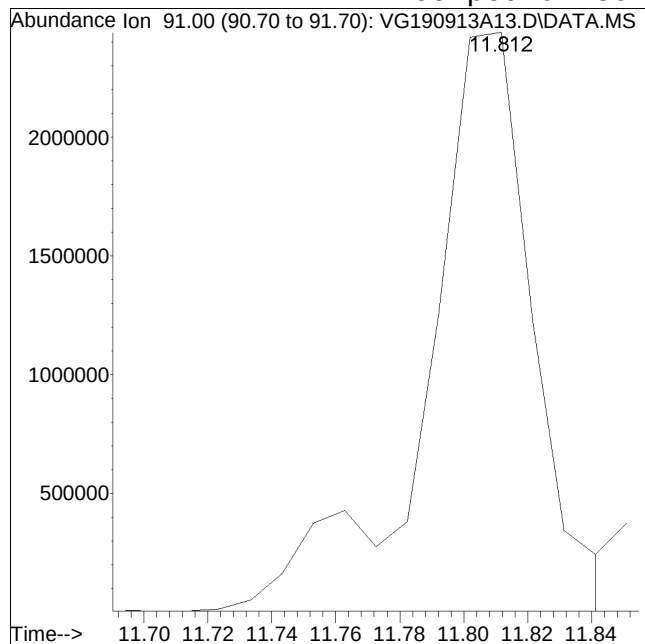


Manual Peak Response = 250922 M1

Manual Integration Report

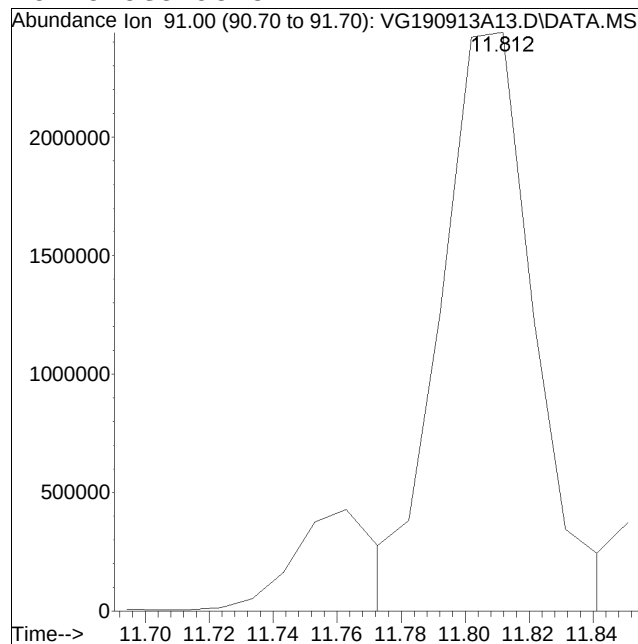
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Data File : VG190913A13.D Operator : GONZO:PD
Date Inj'd : 9/13/2019 6:10 am Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 9/13/2019 12:16 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 5617202

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

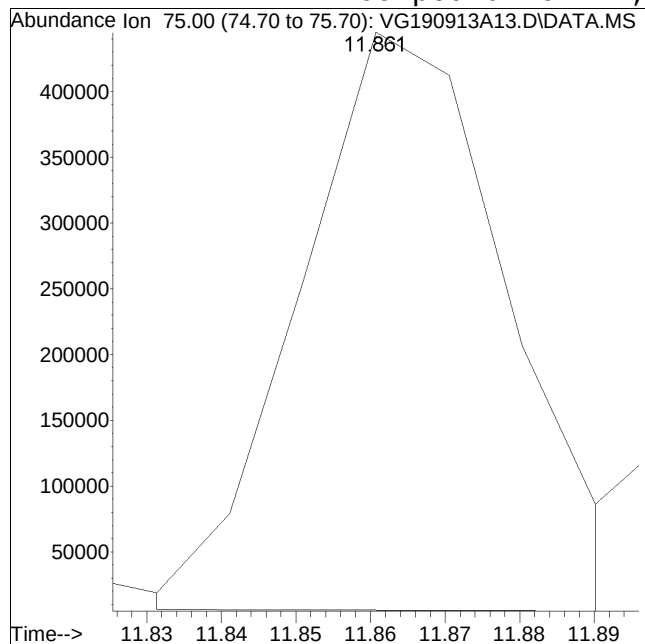


Manual Peak Response = 4888128 M1

Manual Integration Report

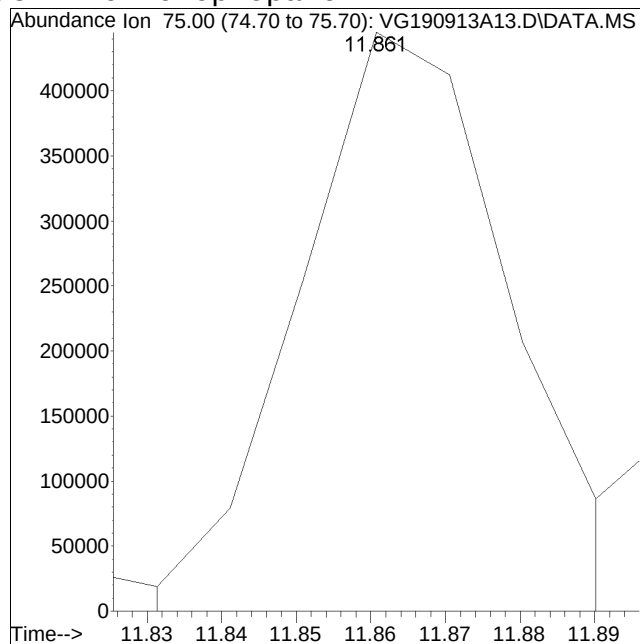
Data Path : I:\VOLATILES\Gonzo\2019\190Method : G_190913_8260.m
Data File : VG190913A13.D Operator : GONZO:PD
Date Inj'd : 9/13/2019 6:10 am Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 9/13/2019 12:16 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 852672

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 872455 M1

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A19.D
 Acq On : 13 Sep 2019 8:42 am
 Operator : GONZO:PD
 Sample : C8260STD10PPB
 Misc : WG1283852,ICAL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 13 12:16:46 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	95	0.00
2 TP	Dichlorodifluoromethane	0.211	0.247	-17.1	109	0.00
3 TP	Chloromethane	0.246	0.312	-26.8	121	0.00
4 TC	Vinyl chloride	0.205	0.240	-17.1	108	0.00
5 TP	Bromomethane	0.101	0.170	-68.3#	199	0.00
6 TP	Chloroethane	0.122	0.140	-14.8	110	0.00
7 TP	Trichlorofluoromethane	0.334	0.330	1.2	94	0.00
8 TP	Ethyl ether	0.085	0.114	-34.1#	125	0.00
10 TC	1,1-Dichloroethene	0.184	0.190	-3.3	101	0.00
11 TP	Carbon disulfide	0.530	0.658	-24.2	120	0.00
12 TP	Freon-113	0.193	0.194	-0.5	93	0.00
13 TP	Iodomethane	0.278	0.335	-20.5	111	0.00
14 TP	Acrolein	0.019	0.021	-10.5	116	0.00
15 TP	Methylene chloride	0.196	0.251	-28.1	128	0.00
17 TP	Acetone	* 10.000	10.525	-5.3	103	0.00
18 TP	trans-1,2-Dichloroethene	0.202	0.236	-16.8	115	0.00
19 TP	Methyl acetate	0.090	0.103	-14.4	105	0.00
20 TP	Methyl tert-butyl ether	0.427	0.539	-26.2	123	0.00
21 TP	tert-Butyl alcohol	0.010	0.011	-10.0	96	0.00
22 TP	Diisopropyl ether	0.652	0.840	-28.8	123	0.00
23 TP	1,1-Dichloroethane	0.364	0.442	-21.4	117	0.00
24 TP	Halothane	0.168	0.189	-12.5	107	0.00
25 TP	Acrylonitrile	0.038	0.055	-44.7#	142	0.00
26 TP	Ethyl tert-butyl ether	0.549	0.707	-28.8	124	0.00
27 TP	Vinyl acetate	0.429	0.525	-22.4	117	0.00
28 TP	cis-1,2-Dichloroethene	0.221	0.281	-27.1	124	0.00
29 TP	2,2-Dichloropropane	0.298	0.279	6.4	92	0.00
30 TP	Bromochloromethane	0.103	0.130	-26.2	119	0.00
31 TP	Cyclohexane	0.341	0.335	1.8	92	0.00
32 TC	Chloroform	0.365	0.438	-20.0#	121	0.00
33 TP	Ethyl acetate	0.136	0.140	-2.9	101	0.00
34 TP	Carbon tetrachloride	0.302	0.303	-0.3	97	0.00
35 TP	Tetrahydrofuran	0.040	0.041	-2.5	99	0.00
36 S	Dibromofluoromethane	0.240	0.237	1.3	95	0.00
37 TP	1,1,1-Trichloroethane	0.342	0.362	-5.8	102	0.00
39 TP	2-Butanone	0.056	0.060	-7.1	104	0.00
40 TP	1,1-Dichloropropene	0.277	0.293	-5.8	100	0.00
41 TP	Benzene	0.838	1.030	-22.9	116	0.00
42 TP	tert-Amyl methyl ether	0.486	0.618	-27.2	120	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A19.D
 Acq On : 13 Sep 2019 8:42 am
 Operator : GONZO:PD
 Sample : C8260STD10PPB
 Misc : WG1283852,ICAL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 13 12:16:46 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43 S	1,2-Dichloroethane-d4	0.224	0.228	-1.8	101	0.00
44 TP	1,2-Dichloroethane	0.231	0.278	-20.3	119	0.00
47 TP	Methyl cyclohexane	0.371	0.348	6.2	87	0.00
48 TP	Trichloroethene	0.225	0.256	-13.8	110	0.00
50 TP	Dibromomethane	0.109	0.130	-19.3	117	0.00
51 TC	1,2-Dichloropropane	0.201	0.254	-26.4#	124	0.00
53 TP	2-Chloroethyl vinyl ether	0.097	0.120	-23.7	113	0.00
54 TP	Bromodichloromethane	0.276	0.330	-19.6	118	0.00
57 TP	1,4-Dioxane	0.00118	0.00136	-15.3	105	0.00
58 TP	cis-1,3-Dichloropropene	0.324	0.383	-18.2	116	0.00
59 I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
60 S	Toluene-d8	1.271	1.266	0.4	95	0.00
61 TC	Toluene	0.732	0.883	-20.6#	116	0.00
62 TP	4-Methyl-2-pentanone	0.060	0.071	-18.3	108	0.00
63 TP	Tetrachloroethene	0.411	0.445	-8.3	106	0.00
65 TP	trans-1,3-Dichloropropene	0.363	0.425	-17.1	114	0.00
67 TP	Ethyl methacrylate	0.256	0.315	-23.0	118	0.00
68 TP	1,1,2-Trichloroethane	0.171	0.203	-18.7	113	0.00
69 TP	Chlorodibromomethane	0.266	0.310	-16.5	117	0.00
70 TP	1,3-Dichloropropane	0.345	0.407	-18.0	115	0.00
71 TP	1,2-Dibromoethane	0.207	0.240	-15.9	114	0.00
72 TP	2-Hexanone	0.117	0.132	-12.8	108	0.00
73 TP	Chlorobenzene	0.800	1.008	-26.0	122	0.00
74 TC	Ethylbenzene	1.424	1.671	-17.3	113	0.00
75 TP	1,1,1,2-Tetrachloroethane	0.298	0.374	-25.5	126	0.00
76 TP	p/m Xylene	0.553	0.663	-19.9	115	0.00
77 TP	o Xylene	0.519	0.648	-24.9	120	0.00
78 TP	Styrene	0.849	1.121	-32.0#	127	0.00
79 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
80 TP	Bromoform	0.339	0.369	-8.8	112	0.00
82 TP	Isopropylbenzene	2.490	2.748	-10.4	105	0.00
83 S	4-Bromofluorobenzene	0.798	0.787	1.4	96	0.00
84 TP	Bromobenzene	0.697	0.898	-28.8	128	0.00
85 TP	n-Propylbenzene	2.921	3.279	-12.3	106	0.00
86 TP	1,4-Dichlorobutane	0.528	0.681	-29.0	124	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.375	0.431	-14.9	107	0.00
88 TP	4-Ethyltoluene	2.337	2.895	-23.9	118	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A19.D
 Acq On : 13 Sep 2019 8:42 am
 Operator : GONZO:PD
 Sample : C8260STD10PPB
 Misc : WG1283852,ICAL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 13 12:16:46 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	1.637	1.997	-22.0	116	0.00
90 TP	1,3,5-Trimethylbenzene	2.052	2.353	-14.7	109	0.00
91 TP	1,2,3-Trichloropropane	0.308	0.339	-10.1	105	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.091	0.097	-6.6	105	0.00
93 TP	4-Chlorotoluene	1.724	2.079	-20.6	118	0.00
94 TP	tert-Butylbenzene	1.836	2.001	-9.0	105	0.00
97 TP	1,2,4-Trimethylbenzene	2.023	2.464	-21.8	118	0.00
98 TP	sec-Butylbenzene	2.459	2.757	-12.1	106	0.00
99 TP	p-Isopropyltoluene	2.316	2.565	-10.8	106	0.00
100 TP	1,3-Dichlorobenzene	1.267	1.579	-24.6	124	0.00
101 TP	1,4-Dichlorobenzene	1.274	1.606	-26.1	124	0.00
102 TP	p-Diethylbenzene	1.299	1.505	-15.9	110	0.00
103 TP	n-Butylbenzene	1.946	2.134	-9.7	102	0.00
104 TP	1,2-Dichlorobenzene	1.135	1.401	-23.4	123	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.891	2.426	-28.3	122	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.063	0.068	-7.9	100	0.00
107 TP	1,3,5-Trichlorobenzene	0.972	1.282	-31.9#	127	0.00
108 TP	Hexachlorobutadiene	0.435	0.462	-6.2	105	0.00
109 TP	1,2,4-Trichlorobenzene	0.811	1.056	-30.2#	127	0.00
110 TP	Naphthalene	1.128	1.296	-14.9	112	0.00
111 TP	1,2,3-Trichlorobenzene	0.639	0.818	-28.0	125	0.00

* Evaluation of CC level amount vs concentration.

(#) = Out of Range

SPCC's out = 0 CCC's out = 3

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A19.D
 Acq On : 13 Sep 2019 8:42 am
 Operator : GONZO:PD
 Sample : C8260STD10PPB
 Misc : WG1283852,ICAL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 13 12:16:46 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.496	96	304797	10.000	ug/L	0.00
Standard Area 1 = 319529			Recovery	=	95.39%	
59) Chlorobenzene-d5	10.068	117	225208	10.000	ug/L	0.00
Standard Area 1 = 235132			Recovery	=	95.78%	
79) 1,4-Dichlorobenzene-d4	12.664	152	128163	10.000	ug/L	0.00
Standard Area 1 = 130310			Recovery	=	98.35%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.665	113	72256	9.880	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.80%	
43) 1,2-Dichloroethane-d4	6.212	65	69517	10.187	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.87%	
60) Toluene-d8	8.208	98	285222	9.961	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.61%	
83) 4-Bromofluorobenzene	11.489	95	100911	9.869	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.69%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.860	85	75356	11.727	ug/L	98
3) Chloromethane	2.075	50	95054	12.660	ug/L	99
4) Vinyl chloride	2.153	62	73239	11.743	ug/L	98
5) Bromomethane	2.505	94	51847	16.806	ug/L	100
6) Chloroethane	2.633	64	42608	11.455	ug/L	97
7) Trichlorofluoromethane	2.789	101	100698	9.906	ug/L	99
8) Ethyl ether	3.112	74	34686	13.345	ug/L	90
10) 1,1-Dichloroethene	3.317	96	58056	10.348	ug/L	100
11) Carbon disulfide	3.356	76	200554	12.405	ug/L	97
12) Freon-113	3.356	101	59202	10.042	ug/L	# 50
13) Iodomethane	3.474	142	101985	12.043	ug/L	96
14) Acrolein	3.669	56	6442	11.278	ug/L	99
15) Methylene chloride	3.914	84	76462	12.809	ug/L	93
17) Acetone	3.953	43	12342	10.525	ug/L	99
18) trans-1,2-Dichloroethene	4.070	96	72029	11.716	ug/L	98
19) Methyl acetate	4.080	43	31283	11.351	ug/L	# 93
20) Methyl tert-butyl ether	4.168	73	164320	12.631	ug/L	95
21) tert-Butyl alcohol	4.246	59	16415	51.292	ug/L	95
22) Diisopropyl ether	4.530	45	256121	12.887	ug/L	98
23) 1,1-Dichloroethane	4.677	63	134707	12.130	ug/L	99
24) Halothane	4.726	117	57503	11.202	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A19.D
 Acq On : 13 Sep 2019 8:42 am
 Operator : GONZO:PD
 Sample : C8260STD10PPB
 Misc : WG1283852,ICAL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 13 12:16:46 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.735	53	16677	14.398	ug/L	95
26) Ethyl tert-butyl ether	4.892	59	215453	12.879	ug/L	90
27) Vinyl acetate	4.911	43	160041	12.231	ug/L	98
28) cis-1,2-Dichloroethene	5.215	96	85790	12.721	ug/L	99
29) 2,2-Dichloropropane	5.322	77	84894	9.343	ug/L	99
30) Bromochloromethane	5.410	128	39732	12.706	ug/L	96
31) Cyclohexane	5.410	56	101983	9.799	ug/L	88
32) Chloroform	5.479	83	133413	12.002	ug/L	98
33) Ethyl acetate	5.586	43	42754	10.341	ug/L	97
34) Carbon tetrachloride	5.616	117	92476	10.044	ug/L	99
35) Tetrahydrofuran	5.635	42	12527M1	10.169	ug/L	
37) 1,1,1-Trichloroethane	5.694	97	110447	10.585	ug/L	99
39) 2-Butanone	5.782	43	18312	10.776	ug/L	88
40) 1,1-Dichloropropene	5.811	75	89189	10.567	ug/L	99
41) Benzene	6.066	78	314017	12.301	ug/L	98
42) tert-Amyl methyl ether	6.163	73	188237	12.701	ug/L	99
44) 1,2-Dichloroethane	6.281	62	84815	12.063	ug/L	100
47) Methyl cyclohexane	6.652	83	106139	9.398	ug/L	95
48) Trichloroethene	6.662	95	78130	11.417	ug/L	97
50) Dibromomethane	7.122	93	39568	11.880	ug/L	# 86
51) 1,2-Dichloropropane	7.230	63	77564	12.690	ug/L	98
53) 2-Chloroethyl vinyl ether	7.924	63	36590	12.378	ug/L	96
54) Bromodichloromethane	7.298	83	100666	11.980	ug/L	100
57) 1,4-Dioxane	7.513	88	20783	576.662	ug/L	99
58) cis-1,3-Dichloropropene	7.992	75	116702	11.825	ug/L	93
61) Toluene	8.266	92	198920	12.060	ug/L	97
62) 4-Methyl-2-pentanone	8.697	58	16081	11.805	ug/L	83
63) Tetrachloroethene	8.706	166	100113	10.825	ug/L	95
65) trans-1,3-Dichloropropene	8.746	75	95761	11.720	ug/L	93
67) Ethyl methacrylate	8.932	69	70970	12.330	ug/L	99
68) 1,1,2-Trichloroethane	8.942	83	45619	11.815	ug/L	99
69) Chlorodibromomethane	9.157	129	69896	11.651	ug/L	100
70) 1,3-Dichloropropane	9.265	76	91772	11.807	ug/L	100
71) 1,2-Dibromoethane	9.441	107	54083	11.617	ug/L	99
72) 2-Hexanone	9.715	43	29736	11.289	ug/L	94
73) Chlorobenzene	10.088	112	226957	12.591	ug/L	99
74) Ethylbenzene	10.127	91	376298	11.734	ug/L	100
75) 1,1,1,2-Tetrachloroethane	10.176	131	84332	12.566	ug/L	98
76) p/m Xylene	10.303	106	298478	23.976	ug/L	99
77) o Xylene	10.813	106	291949	24.988	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A19.D
 Acq On : 13 Sep 2019 8:42 am
 Operator : GONZO:PD
 Sample : C8260STD10PPB
 Misc : WG1283852,ICAL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 13 12:16:46 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190913\VG190913A09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	10.881	104	504787	26.399	ug/L	99
80)	Bromoform	10.911	173	47331	10.897	ug/L	96
82)	Isopropylbenzene	11.175	105	352213	11.035	ug/L	99
84)	Bromobenzene	11.606	156	115037	12.887	ug/L	96
85)	n-Propylbenzene	11.635	91	420242	11.224	ug/L	100
86)	1,4-Dichlorobutane	11.655	55	87257	12.893	ug/L	99
87)	1,1,2,2-Tetrachloroethane	11.724	83	55187	11.494	ug/L	99
88)	4-Ethyltoluene	11.753	105	370986	12.384	ug/L	99
89)	2-Chlorotoluene	11.802	91	255969M1	12.202	ug/L	
90)	1,3,5-Trimethylbenzene	11.851	105	301582	11.465	ug/L	99
91)	1,2,3-Trichloropropane	11.861	75	43397M1	10.988	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.910	53	12384	10.644	ug/L #	97
93)	4-Chlorotoluene	11.978	91	266497	12.059	ug/L	96
94)	tert-Butylbenzene	12.184	119	256402	10.899	ug/L	100
97)	1,2,4-Trimethylbenzene	12.253	105	315829	12.181	ug/L	99
98)	sec-Butylbenzene	12.360	105	353322	11.211	ug/L	98
99)	p-Isopropyltoluene	12.507	119	328712	11.073	ug/L	99
100)	1,3-Dichlorobenzene	12.586	146	202328	12.457	ug/L	96
101)	1,4-Dichlorobenzene	12.674	146	205873	12.611	ug/L	98
102)	p-Diethylbenzene	12.880	119	192824	11.580	ug/L	97
103)	n-Butylbenzene	12.929	91	273471	10.967	ug/L	98
104)	1,2-Dichlorobenzene	13.095	146	179497	12.340	ug/L	96
105)	1,2,4,5-Tetramethylben...	13.653	119	310885	12.826	ug/L	97
106)	1,2-Dibromo-3-chloropr...	13.859	155	8736	10.899	ug/L	98
107)	1,3,5-Trichlorobenzene	13.889	180	164343	13.194	ug/L	94
108)	Hexachlorobutadiene	14.447	225	59215	10.632	ug/L	100
109)	1,2,4-Trichlorobenzene	14.476	180	135390	13.023	ug/L	95
110)	Naphthalene	14.780	128	166159	11.495	ug/L	100
111)	1,2,3-Trichlorobenzene	14.946	180	104779	12.798	ug/L	96

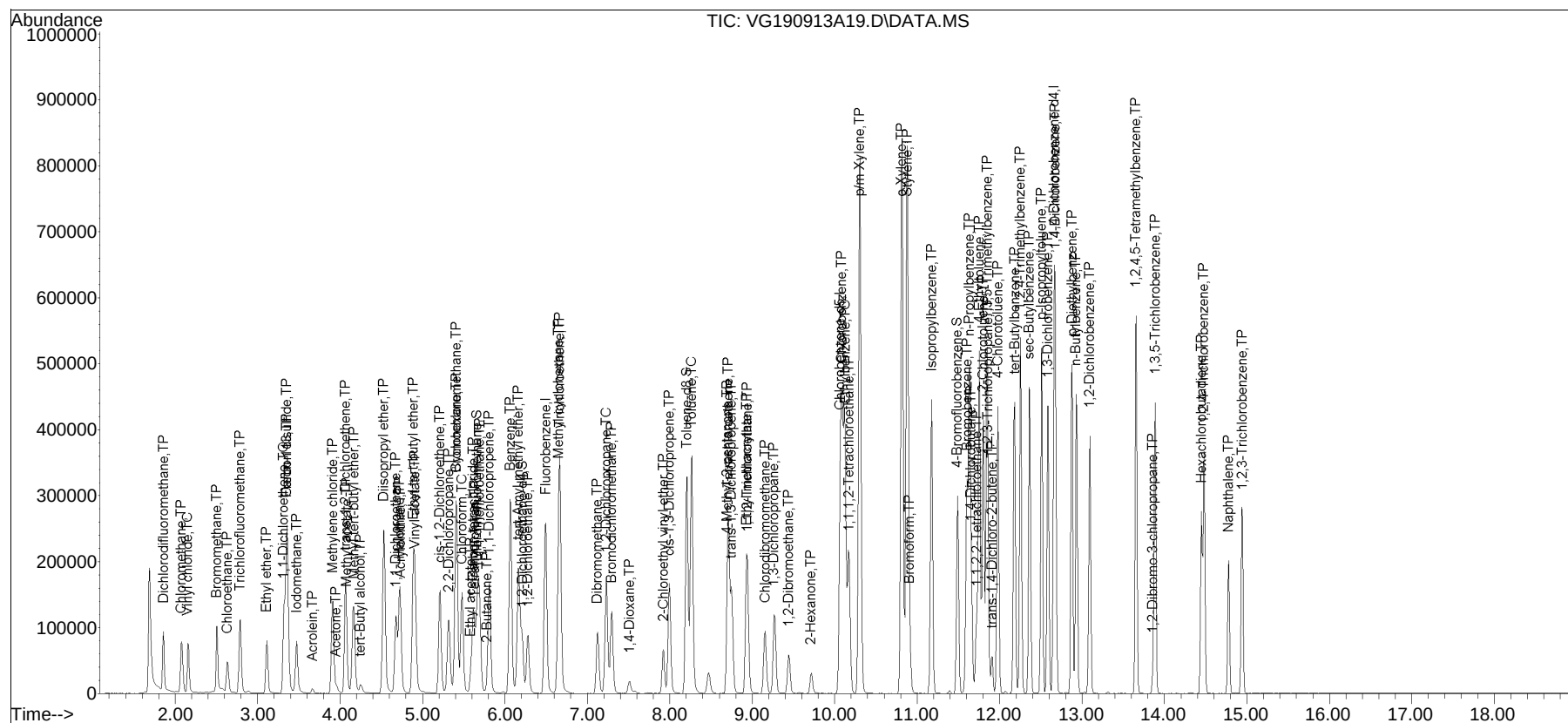
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190913\
 Data File : VG190913A19.D
 Acq On : 13 Sep 2019 8:42 am
 Operator : GONZO:PD
 Sample : C8260STD10PPB
 Misc : WG1283852,ICAL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 13 12:16:46 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190913\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:34 2019
 Response via : Initial Calibration

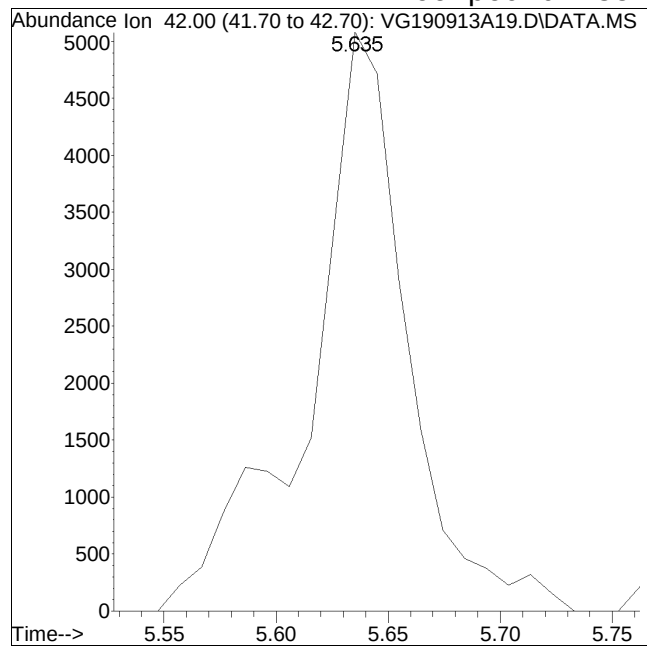
Sub List : 8260-Curve - Megamix plus Diox0913\VG190913A09.D•



Manual Integration Report

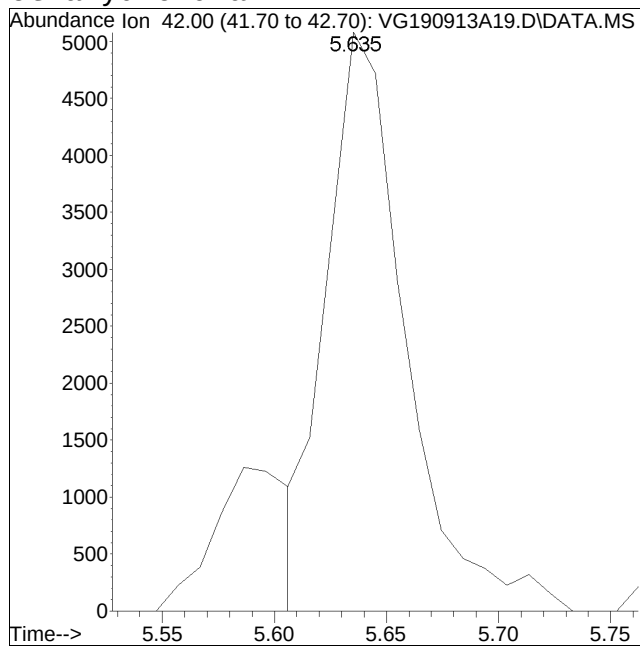
Data Path : I:\VOLATILES\Gonzo\2019\19QMethod : G_190913_8260.m
Data File : VG190913A19.D Operator : GONZO:PD
Date Inj'd : 9/13/2019 8:42 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 9/13/2019 12:16 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 15498

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

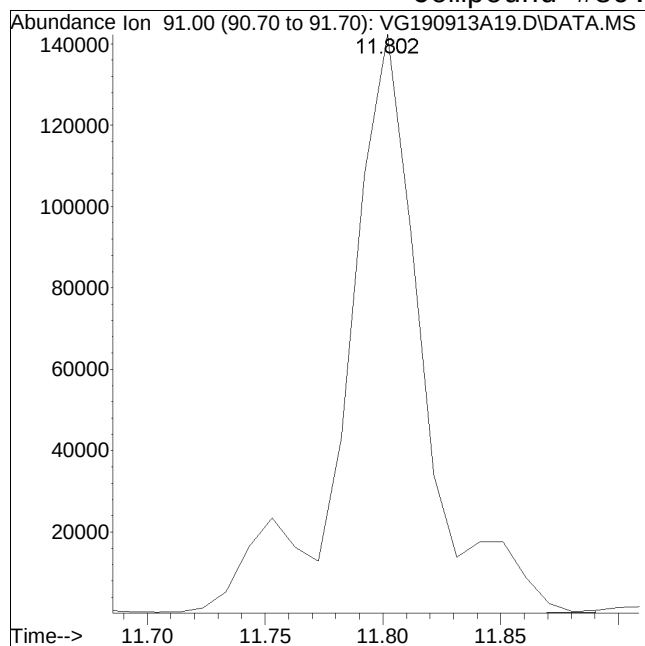


Manual Peak Response = 12527 M1

Manual Integration Report

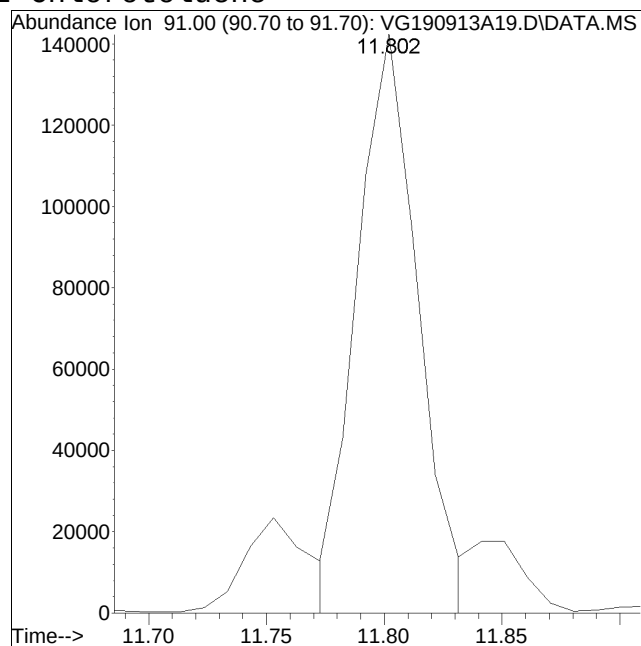
Data Path : I:\VOLATILES\Gonzo\2019\190Method : G_190913_8260.m
Data File : VG190913A19.D Operator : GONZO:PD
Date Inj'd : 9/13/2019 8:42 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 9/13/2019 12:16 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 327317

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

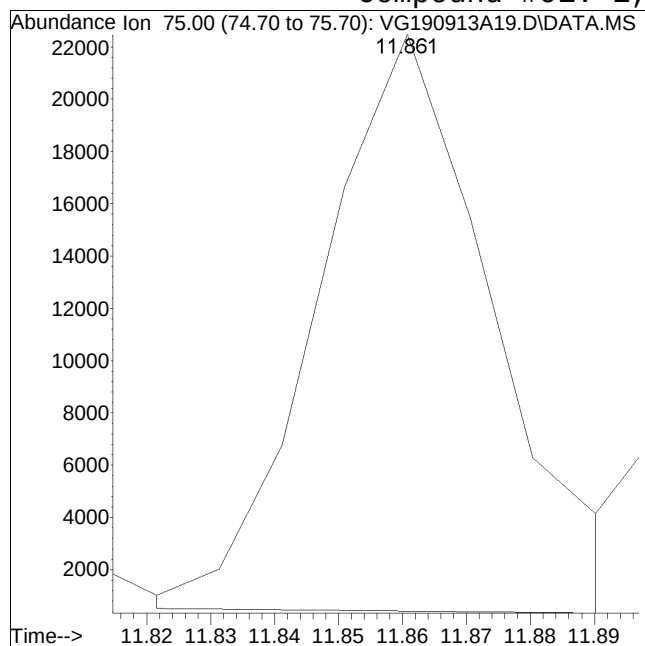


Manual Peak Response = 255969 M1

Manual Integration Report

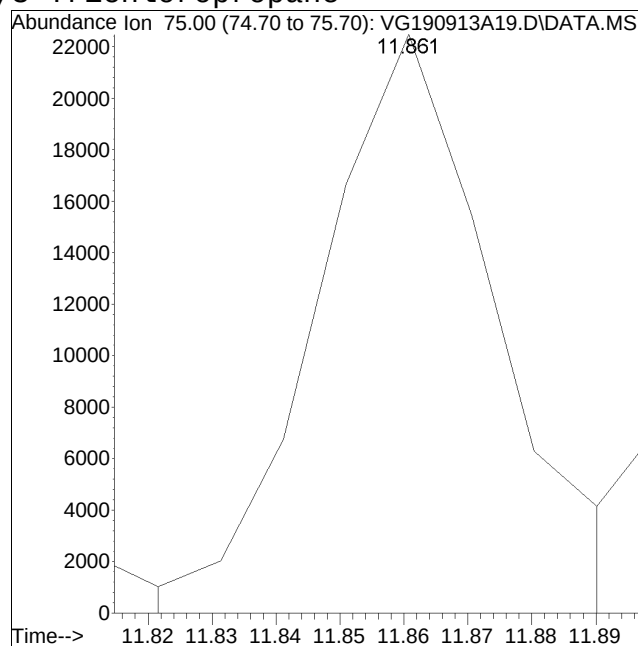
Data Path : I:\VOLATILES\Gonzo\2019\190Method : G_190913_8260.m
Data File : VG190913A19.D Operator : GONZO:PD
Date Inj'd : 9/13/2019 8:42 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 9/13/2019 12:16 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 41608

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 43397 M1

Response Factor Report VOA 108

Method Path : I:\VOLATILES\VOA108\2019\190919\
 Method File : V108_190819_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Fri Sep 20 10:28:56 2019
 Response Via : Initial Calibration

Calibration Files

L11 =V08190919A04.D L1 =V08190919A06.D L2 =V08190919A08.D L3 =V08190919A09.D L4 =V08190919A10.D
 L6 =V08190919A11.D L8 =V08190919A12.D L10 =V08190919A13.D

Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD

1) I	Fluorobenzene	-----ISTD-----									
2) TP	Dichlorodifluo...	0.246	0.209	0.246	0.236	0.251	0.253	0.258	0.243	6.76	
3) TP	Chloromethane	0.344	0.274	0.277	0.265	0.269	0.271	0.278	0.283	9.76	
4) TC	Vinyl chloride	0.269	0.337	0.269	0.299	0.276	0.303	0.301	0.305	7.74	
5) TP	Bromomethane	0.292	0.229	0.211	0.178	0.184	0.190	0.196	0.211	18.66	
6) TP	Chloroethane	0.226	0.212	0.201	0.181	0.186	0.167	0.167	0.192	11.81	
7) TP	Trichlorofluor...	0.411	0.365	0.421	0.392	0.417	0.417	0.414	0.405	4.97	
8) TP	Ethyl ether	0.140	0.115	0.115	0.105	0.119	0.121	0.125	0.120	9.02	
10) TC	1,1-Dichloroet...	0.231	0.182	0.211	0.189	0.219	0.220	0.225	0.211	8.76	
11) TP	Carbon disulfide	0.737	0.617	0.649	0.615	0.672	0.681	0.696	0.667	6.57	
12) TP	Freon-113	0.211	0.180	0.230	0.200	0.218	0.218	0.224	0.212	7.93	
13) TP	Iodomethane		0.163	0.187	0.209	0.268	0.281	0.282	*Q	0.9974	
14) TP	Acrolein	0.026	0.026	0.032	0.031	0.037	0.035	0.037	0.032#	14.74	
15) TP	Methylene chlo...	0.314	0.262	0.237	0.218	0.239	0.240	0.244	0.251	12.19	
17) TP	Acetone		0.065	0.052	0.047	0.049	0.049	0.049	0.052#	12.60	
18) TP	trans-1,2-Dich...	0.235	0.222	0.227	0.211	0.234	0.236	0.243	0.230	4.64	
19) TP	Methyl acetate		0.124	0.114	0.108	0.119	0.120	0.121	0.118	4.72	
20) TP	Methyl tert-bu...	0.812	0.646	0.557	0.566	0.609	0.611	0.609	0.630	13.61	
21) TP	tert-Butyl alc...	0.019	0.016	0.017	0.017	0.018	0.018	0.017	0.017#	5.29	
22) TP	Diisopropyl ether	1.050	0.851	0.791	0.746	0.803	0.805	0.807	0.836	11.86	
23) TP	1,1-Dichloroet...	0.545	0.486	0.475	0.431	0.468	0.447	0.476	0.476	7.57	
24) TP	Halothane	0.151	0.156	0.184	0.171	0.181	0.181	0.185	0.173	8.09	
25) TP	Acrylonitrile	0.064	0.056	0.066	0.062	0.065	0.066	0.068	0.064	6.23	
26) TP	Ethyl tert-but...	1.012	0.862	0.789	0.730	0.806	0.811	0.816	0.832	10.61	
27) TP	Vinyl acetate	0.376	0.458	0.512	0.496	0.564	0.567	0.568	0.506	14.10	
28) TP	cis-1,2-Dichlo...	0.291	0.261	0.239	0.246	0.255	0.259	0.272	0.261	6.58	
29) TP	2,2-Dichloropr...	0.384	0.339	0.359	0.344	0.363	0.359	0.356	0.358	4.03	
30) TP	Bromochloromet...	0.125	0.118	0.119	0.106	0.123	0.119	0.119	0.118	4.94	
31) TP	Cyclohexane	0.432	0.383	0.446	0.407	0.441	0.443	0.443	0.428	5.60	
32) TC	Chloroform	0.569	0.466	0.460	0.421	0.446	0.445	0.449	0.465	10.29	
33) TP	Ethyl acetate		0.580	0.267	0.217	0.213	0.202	0.196	*L	0.9994	

Response Factor Report VOA 108

Method Path : I:\VOLATILES\VOA108\2019\190919\
 Method File : V108_190819_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Fri Sep 20 10:28:56 2019
 Response Via : Initial Calibration

Calibration Files

L11 =V08190919A04.D L1 =V08190919A06.D L2 =V08190919A08.D L3 =V08190919A09.D L4 =V08190919A10.D
 L6 =V08190919A11.D L8 =V08190919A12.D L10 =V08190919A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP Carbon tetrach...	0.315	0.362	0.301	0.327	0.312	0.333	0.334	0.333	0.327	5.67
35)	TP Tetrahydrofuran		0.040	0.043	0.047	0.048	0.048	0.049	0.046#		7.31
36)	S Dibromofluorom...	0.248	0.254	0.260	0.256	0.254	0.245	0.248	0.258	0.253	2.11
37)	TP 1,1,1-Trichlor...		0.435	0.391	0.421	0.386	0.414	0.412	0.416	0.411	4.11
39)	TP 2-Butanone		0.056	0.067	0.078	0.091	0.086	0.087	0.078#		17.61
40)	TP 1,1-Dichloropr...		0.359	0.300	0.338	0.299	0.333	0.333	0.334	0.328	6.58
41)	TP Benzene	1.210	1.218	0.976	0.960	0.889	0.962	0.967	0.974	1.020	12.09
42)	TP tert-Amyl meth...		0.867	0.691	0.648	0.605	0.672	0.667	0.671	0.689	12.09
43)	S 1,2-Dichloroet...	0.325	0.314	0.321	0.357	0.306	0.300	0.297	0.304	0.316	6.20
44)	TP 1,2-Dichloroet...		0.488	0.391	0.371	0.341	0.361	0.356	0.351	0.380	13.23
47)	TP Methyl cyclohe...		0.427	0.336	0.409	0.386	0.418	0.423	0.425	0.403	8.18
48)	TP Trichloroethene	0.337	0.309	0.264	0.261	0.242	0.261	0.262	0.263	0.275	11.42
50)	TP Dibromomethane		0.178	0.157	0.149	0.142	0.152	0.152	0.152	0.154	7.38
51)	TC 1,2-Dichloropr...		0.336	0.264	0.263	0.243	0.263	0.264	0.266	0.271	10.87
53)	TP 2-Chloroethyl ...		0.200	0.156	0.155	0.152	0.168	0.167	0.168	0.167	9.79
54)	TP Bromodichlorom...		0.458	0.377	0.362	0.338	0.366	0.367	0.368	0.377	10.07
57)	TP 1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	6.99
58)	TP cis-1,3-Dichlo...		0.495	0.419	0.401	0.380	0.423	0.427	0.432	0.425	8.36
59)	I Chlorobenzene-d5	-----ISTD-----									
60)	S Toluene-d8	1.362	1.359	1.349	1.336	1.313	1.315	1.318	1.314	1.333	1.60
61)	TC Toluene		1.078	0.875	0.843	0.788	0.855	0.871	0.862	0.882	10.35
62)	TP 4-Methyl-2-pen...		0.135	0.105	0.100	0.100	0.111	0.110	0.106	0.110	10.99
63)	TP Tetrachloroethene		0.438	0.349	0.366	0.347	0.367	0.372	0.367	0.372	8.21
65)	TP trans-1,3-Dich...		0.593	0.504	0.467	0.456	0.508	0.518	0.506	0.508	8.73
67)	TP Ethyl methacry...		0.414	0.332	0.346	0.346	0.391	0.388	0.377	0.371	8.05
68)	TP 1,1,2-Trichlor...		0.312	0.260	0.232	0.220	0.236	0.239	0.231	0.247	12.63
69)	TP Chlorodibromom...		0.431	0.366	0.338	0.327	0.354	0.356	0.344	0.359	9.52
70)	TP 1,3-Dichloropr...		0.696	0.533	0.470	0.447	0.480	0.483	0.468	0.511	16.80
71)	TP 1,2-Dibromoethane		0.369	0.292	0.267	0.256	0.281	0.281	0.271	0.288	13.00
72)	TP 2-Hexanone		0.248	0.172	0.173	0.171	0.188	0.183	0.174	0.187	14.75
73)	TP Chlorobenzene		1.257	1.016	0.927	0.857	0.926	0.928	0.899	0.973	13.79

Response Factor Report VOA 108

Method Path : I:\VOLATILES\VOA108\2019\190919\
 Method File : V108_190819_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Fri Sep 20 10:28:56 2019
 Response Via : Initial Calibration

Calibration Files

L11 =V08190919A04.D L1 =V08190919A06.D L2 =V08190919A08.D L3 =V08190919A09.D L4 =V08190919A10.D
 L6 =V08190919A11.D L8 =V08190919A12.D L10 =V08190919A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74)	TC Ethylbenzene	2.065	1.669	1.634	1.542	1.654	1.648	1.587	1.686	10.26	
75)	TP 1,1,1,2-Tetrac...	0.446	0.378	0.331	0.317	0.342	0.342	0.331	0.355	12.40	
76)	TP p/m Xylene	0.766	0.624	0.623	0.588	0.636	0.632	0.608	0.640	9.05	
77)	TP o Xylene	0.744	0.623	0.594	0.565	0.603	0.598	0.576	0.615	9.78	
78)	TP Styrene	1.188	1.035	0.973	0.950	1.024	1.012	0.960	1.020	7.94	
79)	I 1,4-Dichlorobenzene-d4	-----ISTD-----									
80)	TP Bromoform	0.544	0.441	0.398	0.413	0.463	0.468	0.443	0.453	10.46	
82)	TP Isopropylbenzene	4.079	3.414	3.220	3.139	3.342	3.345	3.100	3.377	9.78	
83)	S 4-Bromofluorob...	1.029	1.014	1.018	0.989	1.001	1.016	0.996	0.947	1.001	2.56
84)	TP Bromobenzene	1.087	0.864	0.732	0.726	0.787	0.793	0.759	0.821	15.38	
85)	TP n-Propylbenzene	4.724	3.888	3.658	3.660	3.886	3.896	3.618	3.904	9.79	
86)	TP 1,4-Dichlorobu...	1.424	1.076	0.929	0.929	0.978	0.974	0.901	1.030	17.73	
87)	TP 1,1,2,2-Tetrac...	1.009	0.750	0.630	0.629	0.670	0.669	0.629	0.712	19.36	
88)	TP 4-Ethyltoluene	3.731	3.006	2.924	2.942	3.105	3.100	2.919	3.104	9.26	
89)	TP 2-Chlorotoluene	3.345	2.726	2.476	2.475	2.604	2.597	2.436	2.666	11.85	
90)	TP 1,3,5-Trimethy...	3.227	2.716	2.528	2.578	2.709	2.717	2.542	2.717	8.84	
91)	TP 1,2,3-Trichlor...	0.941	0.615	0.517	0.516	0.540	0.539	0.504	*L	0.9989	
92)	TP trans-1,4-Dich...	0.203	0.189	0.172	0.177	0.187	0.189	0.172	0.184	6.10	
93)	TP 4-Chlorotoluene	3.074	2.489	2.206	2.228	2.339	2.339	2.174	2.407	13.00	
94)	TP tert-Butylbenzene	3.317	2.623	2.614	2.613	2.661	2.692	2.541	2.723	9.78	
95)	TP Pentachloroethane	0.682	0.385	0.501	0.520	0.479	0.514	0.472	0.508	17.56	
97)	TP 1,2,4-Trimethy...	3.216	2.748	2.530	2.543	2.657	2.678	2.505	2.697	9.11	
98)	TP sec-Butylbenzene	4.002	3.150	3.114	3.035	3.142	3.139	2.909	3.213	11.16	
99)	TP p-Isopropyltol...	3.431	2.776	2.727	2.726	2.847	2.875	2.691	2.868	8.98	
100)	TP 1,3-Dichlorobe...	1.949	1.563	1.408	1.380	1.446	1.470	1.415	1.519	13.08	
101)	TP 1,4-Dichlorobe...	2.096	1.595	1.442	1.400	1.469	1.498	1.434	1.562	15.60	
102)	TP p-Diethylbenzene	1.924	1.573	1.509	1.530	1.642	1.684	1.606	1.638	8.55	
103)	TP n-Butylbenzene	3.334	2.454	2.469	2.467	2.624	2.645	2.468	2.637	12.04	
104)	TP 1,2-Dichlorobe...	1.898	1.476	1.323	1.303	1.364	1.391	1.336	1.442	14.52	
105)	TP 1,2,4,5-Tetram...	2.472	2.236	2.252	2.369	2.669	2.774	2.635	2.487	8.53	
106)	TP 1,2-Dibromo-3-...	0.107	0.092	0.092	0.094	0.107	0.110	0.108	0.102	8.12	

Response Factor Report VOA 108

Method Path : I:\VOLATILES\VOA108\2019\190919\
Method File : V108_190819_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Sep 20 10:28:56 2019
Response Via : Initial Calibration

Calibration Files

L11 =V08190919A04.D L1 =V08190919A06.D L2 =V08190919A08.D L3 =V08190919A09.D L4 =V08190919A10.D
L6 =V08190919A11.D L8 =V08190919A12.D L10 =V08190919A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
107)	TP 1,3,5-Trichlor...	1.259	1.059	0.921	0.946	1.069	1.127	1.096	1.068	10.63	
108)	TP Hexachlorobuta...	0.521	0.457	0.428	0.421	0.476	0.504	0.489	0.471	7.98	
109)	TP 1,2,4-Trichlor...	1.235	0.990	0.873	0.882	1.023	1.073	1.046	1.018	12.10	
110)	TP Naphthalene	2.594	2.051	1.866	1.967	2.252	2.333	2.197	2.180	11.25	
111)	TP 1,2,3-Trichlor...	1.073	0.904	0.796	0.816	0.943	0.982	0.961	0.925	10.42	

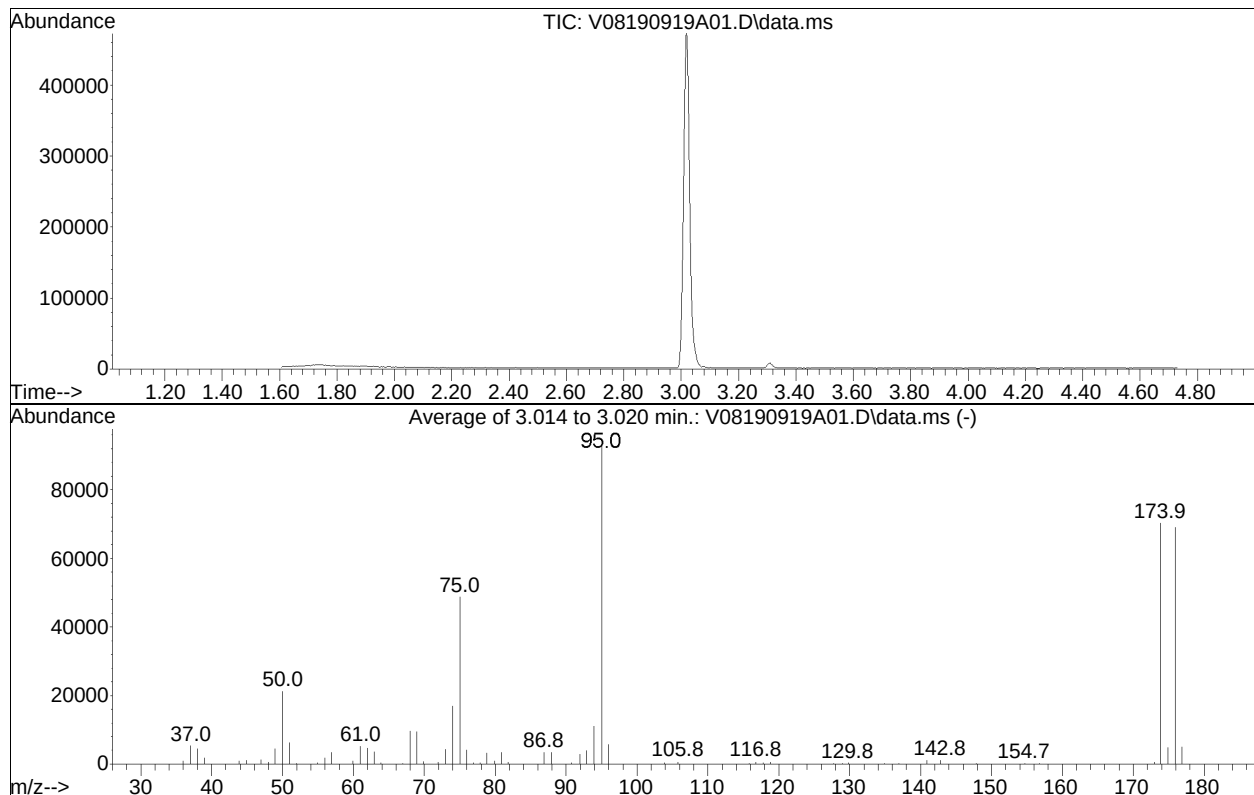
(#) = Out of Range

BFB

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A01.D
 Acq On : 20 Sep 2019 12:41 am
 Operator : VOA108:PD
 Sample : WG1286620-1
 Misc : WG1286620
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Fri Sep 20 10:28:56 2019



AutoFind: Scans 506, 507, 508; Background Corrected with Scan 493

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.9	21339	PASS
75	95	30	60	52.3	48717	PASS
95	95	100	100	100.0	93181	PASS
96	95	5	9	6.3	5833	PASS
173	174	0.00	2	0.8	581	PASS
174	95	50	100	75.5	70392	PASS
175	174	5	9	7.1	4965	PASS
176	174	95	101	98.1	69053	PASS
177	176	5	9	7.1	4929	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A04.D
 Acq On : 20 Sep 2019 1:48 am
 Operator : VOA108:PD
 Sample : I8260STDLO.2PPB
 Misc : WG1286620,ICAL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 20 10:30:34 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-L11 - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.511	96	174271	10.000	ug/L	0.00
Standard Area 1 = 167206			Recovery =	104.23%		
59) Chlorobenzene-d5	8.504	117	120274	10.000	ug/L	0.00
Standard Area 1 = 123908			Recovery =	97.07%		
79) 1,4-Dichlorobenzene-d4	9.987	152	54017	10.000	ug/L	0.00
Standard Area 1 = 62238			Recovery =	86.79%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.530	113	43163	9.802	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.02%		
43) 1,2-Dichloroethane-d4	5.166	65	56589	10.290	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.90%		
60) Toluene-d8	7.207	98	163868	10.218	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.18%		
83) 4-Bromofluorobenzene	9.321	95	55593	10.278	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.78%		
Target Compounds						
4) Vinyl chloride	1.139	62	938	0.183	ug/L	91
34) Carbon tetrachloride	4.418	117	1099M1	0.193	ug/L	
41) Benzene	4.993	78	4217M1	0.237	ug/L	
48) Trichloroethene	5.707	95	1174	0.245	ug/L	86

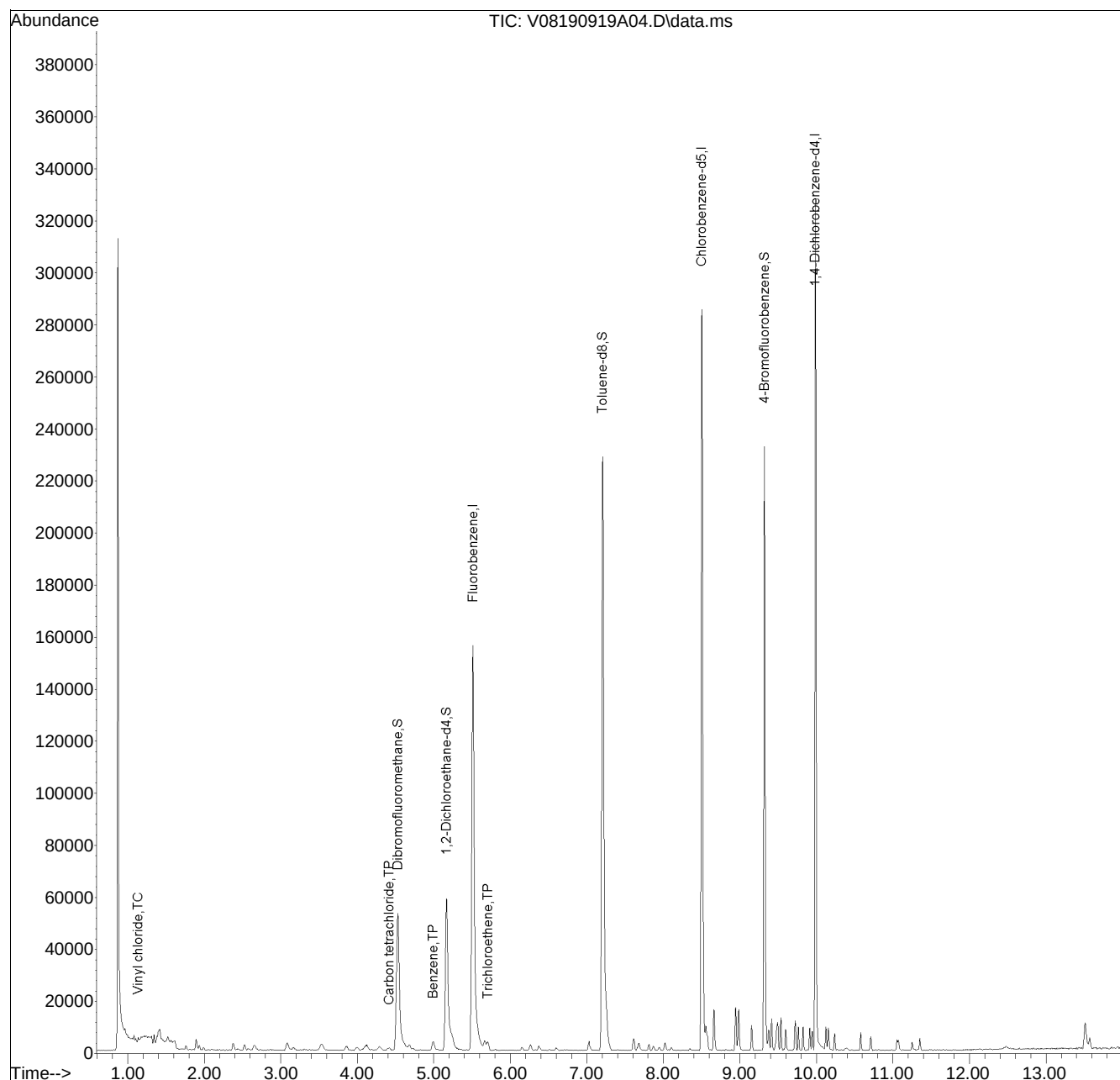
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A04.D
 Acq On : 20 Sep 2019 1:48 am
 Operator : VOA108:PD
 Sample : I8260STDL0.2PPB
 Misc : WG1286620,ICAL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 20 10:30:34 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

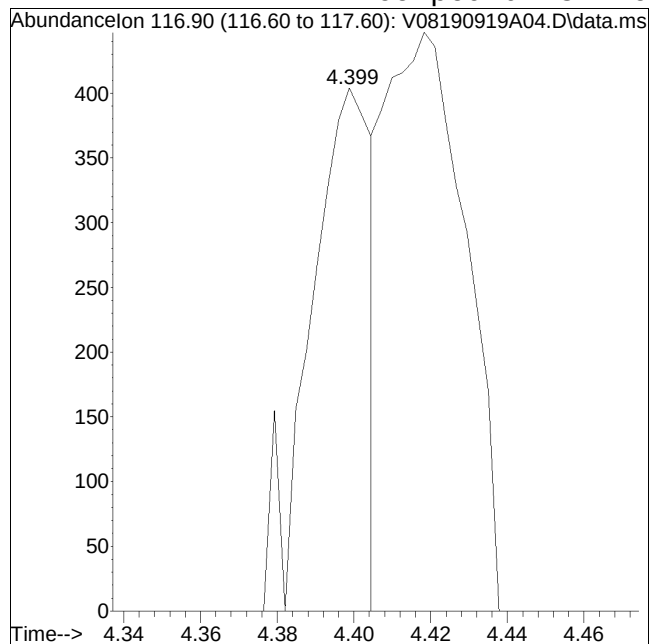
Sub List : 8260-L11 - Level 11 for 8260-LRR product90919A09.D•



Manual Integration Report

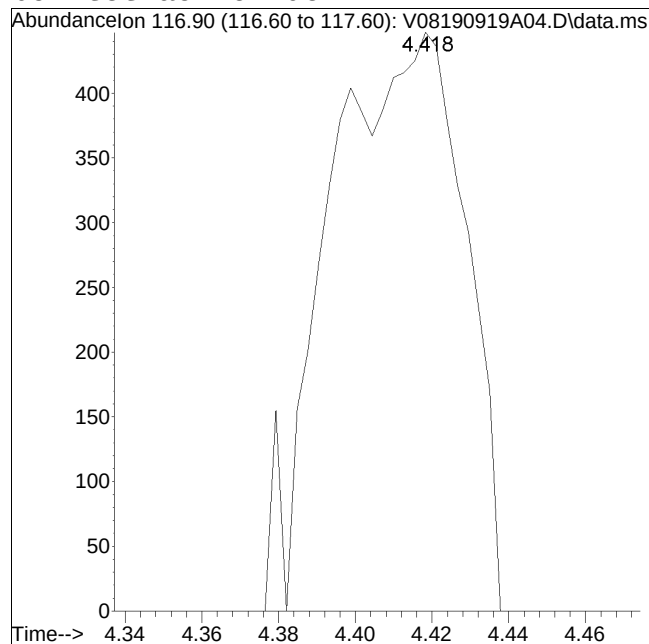
Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190919A04.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 1:48 am Instrument : VOA 108
Sample : I8260STDLO.2PPB Quant Date : 9/20/2019 10:30 am

Compound #34: Carbon tetrachloride



Original Peak Response = 442

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

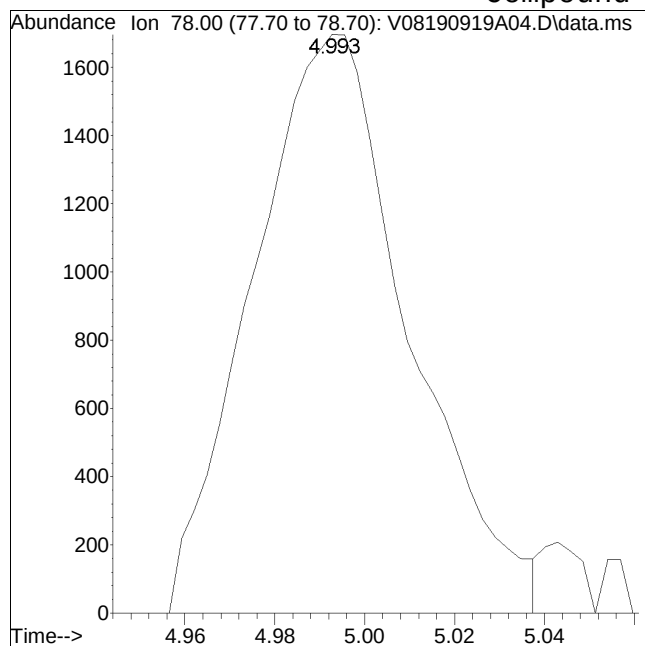


Manual Peak Response = 1099 M1

Manual Integration Report

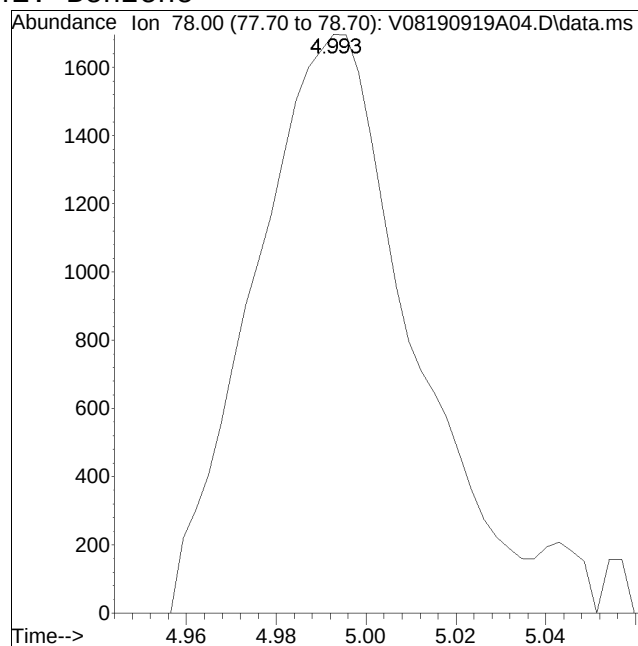
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A04.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 1:48 am Instrument : VOA 108
Sample : I8260STDLO.2PPB Quant Date : 9/20/2019 10:30 am

Compound #41: Benzene



Original Peak Response = 4094

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 4217 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A06.D
 Acq On : 20 Sep 2019 2:32 am
 Operator : VOA108:PD
 Sample : I8260STDLO.5PPB
 Misc : WG1286620,ICAL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 20 10:30:46 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.512	96	173298	10.000	ug/L	0.00
Standard Area 1 = 167206			Recovery = 103.64%			
59) Chlorobenzene-d5	8.504	117	121484	10.000	ug/L	0.00
Standard Area 1 = 123908			Recovery = 98.04%			
79) 1,4-Dichlorobenzene-d4	9.987	152	56841	10.000	ug/L	0.00
Standard Area 1 = 62238			Recovery = 91.33%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.530	113	44033M1	10.056	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.56%			
43) 1,2-Dichloroethane-d4	5.169	65	54423	9.952	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.52%			
60) Toluene-d8	7.207	98	165155	10.196	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.96%			
83) 4-Bromofluorobenzene	9.321	95	57658	10.130	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.30%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.963	85	2133	0.508	ug/L	93
3) Chloromethane	1.083	50	2985	0.609	ug/L	93
4) Vinyl chloride	1.139	62	2918M1	0.571	ug/L	
5) Bromomethane	1.343	94	2528	0.690	ug/L	99
6) Chloroethane	1.423	64	1962	0.591	ug/L	95
7) Trichlorofluoromethane	1.521	101	3563	0.507	ug/L	100
8) Ethyl ether	1.761	74	1211	0.583	ug/L	74
10) 1,1-Dichloroethene	1.892	96	2002	0.547	ug/L	# 69
11) Carbon disulfide	1.897	76	6387	0.553	ug/L	97
12) Freon-113	1.937	101	1831	0.499	ug/L	98
13) Iodomethane	1.992	142	1474	1.414	ug/L	# 87
14) Acrolein	2.165	56	226M1	0.407	ug/L	
15) Methylene chloride	2.380	84	2717	0.626	ug/L	79
17) Acetone	2.441	43	1110	1.238	ug/L	# 53
18) trans-1,2-Dichloroethene	2.528	96	2032	0.511	ug/L	88
19) Methyl acetate	2.575	43	1740	0.852	ug/L	# 82
20) Methyl tert-butyl ether	2.659	73	7035M1	0.644	ug/L	
21) tert-Butyl alcohol	2.804	59	811	2.688	ug/L	# 91
22) Diisopropyl ether	3.088	45	9099M1	0.628	ug/L	
23) 1,1-Dichloroethane	3.169	63	4725	0.573	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A06.D
 Acq On : 20 Sep 2019 2:32 am
 Operator : VOA108:PD
 Sample : I8260STDLO.5PPB
 Misc : WG1286620,ICAL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 20 10:30:46 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
24)	Halothane	3.320	117	1309	0.437	ug/L	#	79
25)	Acrylonitrile	3.236	53	556	0.503	ug/L	#	69
26)	Ethyl tert-butyl ether	3.537	59	8767M1	0.608	ug/L		
27)	Vinyl acetate	3.546	43	3254M1	0.371	ug/L		
28)	cis-1,2-Dichloroethene	3.861	96	2523	0.559	ug/L	#	71
29)	2,2-Dichloropropane	3.997	77	3324	0.536	ug/L	#	73
30)	Bromochloromethane	4.131	128	1081	0.527	ug/L	#	77
31)	Cyclohexane	4.106	56	3744	0.505	ug/L	#	66
32)	Chloroform	4.293	83	4926	0.611	ug/L	#	93
33)	Ethyl acetate	4.536	43	11278M1	Below Cal			
34)	Carbon tetrachloride	4.421	117	3140M1	0.554	ug/L		
35)	Tetrahydrofuran	4.544	42	1272M1	1.601	ug/L		
37)	1,1,1-Trichloroethane	4.513	97	3765	0.529	ug/L	#	82
39)	2-Butanone	4.720	43	1601M1	1.191	ug/L		
40)	1,1-Dichloropropene	4.686	75	3115	0.548	ug/L	#	77
41)	Benzene	4.990	78	10555M1	0.597	ug/L		
42)	tert-Amyl methyl ether	5.216	73	7514M1	0.629	ug/L		
44)	1,2-Dichloroethane	5.247	62	4227	0.642	ug/L		98
47)	Methyl cyclohexane	5.676	83	3703	0.530	ug/L	#	75
48)	Trichloroethene	5.712	95	2680	0.562	ug/L	#	78
50)	Dibromomethane	6.153	93	1543	0.576	ug/L		94
51)	1,2-Dichloropropane	6.262	63	2908	0.619	ug/L	#	89
53)	2-Chloroethyl vinyl ether	7.017	63	1736	0.601	ug/L	#	92
54)	Bromodichloromethane	6.373	83	3972	0.608	ug/L	#	89
57)	1,4-Dioxane	6.605	88	2039	88.503	ug/L	#	81
58)	cis-1,3-Dichloropropene	7.031	75	4286	0.582	ug/L		98
61)	Toluene	7.257	92	6545	0.611	ug/L		99
62)	4-Methyl-2-pentanone	7.670	58	820	0.616	ug/L	#	80
63)	Tetrachloroethene	7.614	166	2659	0.588	ug/L		88
65)	trans-1,3-Dichloropropene	7.681	75	3604	0.585	ug/L		89
67)	Ethyl methacrylate	7.868	69	2513	0.558	ug/L		87
68)	1,1,2-Trichloroethane	7.809	83	1898	0.632	ug/L		95
69)	Chlorodibromomethane	7.943	129	2621	0.600	ug/L		97
70)	1,3-Dichloropropane	8.021	76	4230	0.681	ug/L		99
71)	1,2-Dibromoethane	8.105	107	2242	0.640	ug/L		91
72)	2-Hexanone	8.345	43	1506	0.663	ug/L	#	84
73)	Chlorobenzene	8.515	112	7637	0.646	ug/L		97
74)	Ethylbenzene	8.554	91	12541	0.612	ug/L		99
75)	1,1,1,2-Tetrachloroethane	8.573	131	2708	0.627	ug/L		92
76)	p/m Xylene	8.660	106	9302	1.197	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A06.D
 Acq On : 20 Sep 2019 2:32 am
 Operator : VOA108:PD
 Sample : I8260STDLO.5PPB
 Misc : WG1286620,ICAL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 20 10:30:46 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) o Xylene	8.944	106	9041	1.211	ug/L	90
78) Styrene	8.983	104	14438	1.165	ug/L	91
80) Bromoform	8.986	173	1546	0.601	ug/L	92
82) Isopropylbenzene	9.154	105	11592	0.604	ug/L	98
84) Bromobenzene	9.377	156	3090	0.662	ug/L	95
85) n-Propylbenzene	9.413	91	13427	0.605	ug/L	97
86) 1,4-Dichlorobutane	9.418	55	4046	0.691	ug/L	96
87) 1,1,2,2-Tetrachloroethane	9.466	83	2869	0.709	ug/L	92
88) 4-Ethyltoluene	9.483	105	10604	0.601	ug/L	100
89) 2-Chlorotoluene	9.497	91	9506	0.627	ug/L	95
90) 1,3,5-Trimethylbenzene	9.536	105	9171	0.594	ug/L	95
91) 1,2,3-Trichloropropane	9.533	75	2673	0.515	ug/L	92
92) trans-1,4-Dichloro-2-b...	9.569	53	576	0.550	ug/L #	80
93) 4-Chlorotoluene	9.600	91	8736	0.639	ug/L	98
94) tert-Butylbenzene	9.722	119	9428	0.609	ug/L	97
95) Pentachloroethane	9.731	167	1938	0.672	ug/L	100
97) 1,2,4-Trimethylbenzene	9.764	105	9141	0.596	ug/L	96
98) sec-Butylbenzene	9.826	105	11374	0.623	ug/L	97
99) p-Isopropyltoluene	9.912	119	9752	0.598	ug/L	97
100) 1,3-Dichlorobenzene	9.945	146	5539	0.642	ug/L	99
101) 1,4-Dichlorobenzene	9.996	146	5958	0.671	ug/L #	90
102) p-Diethylbenzene	10.124	119	5468	0.587	ug/L	93
103) n-Butylbenzene	10.155	91	9475	0.632	ug/L	94
104) 1,2-Dichlorobenzene	10.238	146	5395	0.658	ug/L	92
105) 1,2,4,5-Tetramethylben...	10.579	119	7025	0.497	ug/L	97
106) 1,2-Dibromo-3-chloropr...	10.693	155	304	0.527	ug/L	81
107) 1,3,5-Trichlorobenzene	10.710	180	3578	0.589	ug/L	93
108) Hexachlorobutadiene	11.053	225	1480	0.553	ug/L	93
109) 1,2,4-Trichlorobenzene	11.069	180	3509	0.607	ug/L	94
110) Naphthalene	11.248	128	7372	0.595	ug/L	100
111) 1,2,3-Trichlorobenzene	11.351	180	3050	0.580	ug/L	97

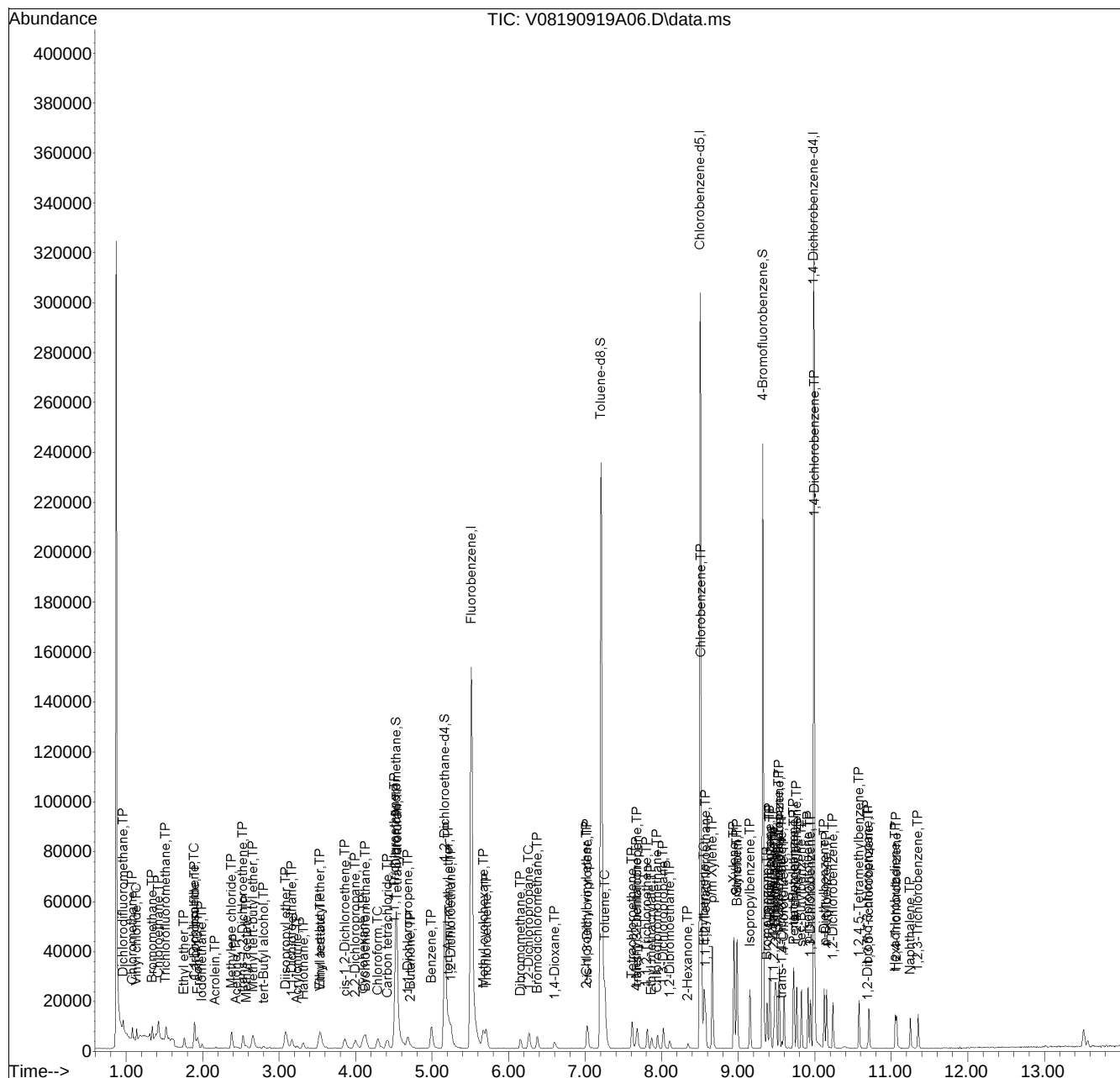
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
Data File : V08190919A06.D
Acq On : 20 Sep 2019 2:32 am
Operator : VOA108:PD
Sample : I8260STDLO.5PPB
Misc : WG1286620,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 20 10:30:46 2019
Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 20 10:28:56 2019
Response via : Initial Calibration

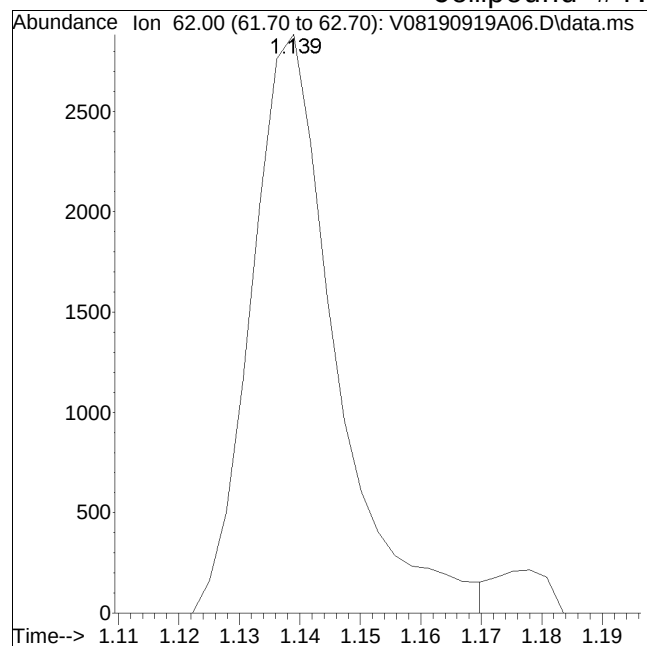
Sub List : 8260-CurvePenta - All compounds listed8190919A09.D•



Manual Integration Report

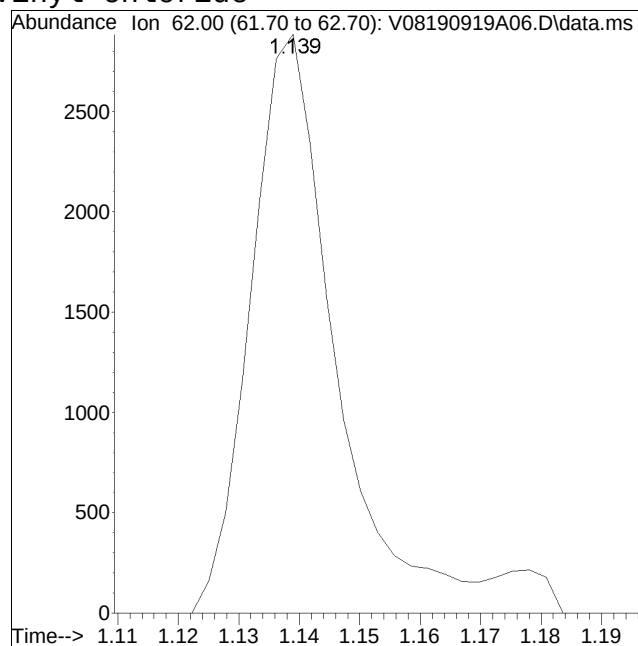
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A06.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 2:32 am Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 9/20/2019 10:30 am

Compound #4: Vinyl chloride



Original Peak Response = 2786

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

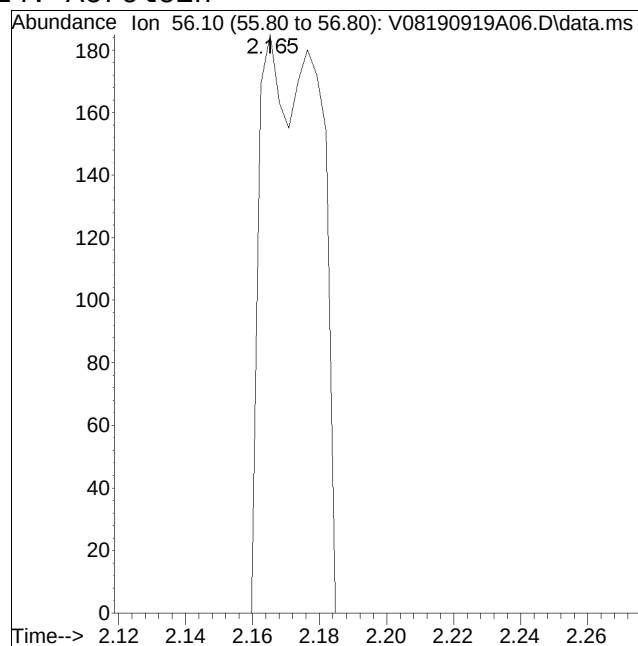
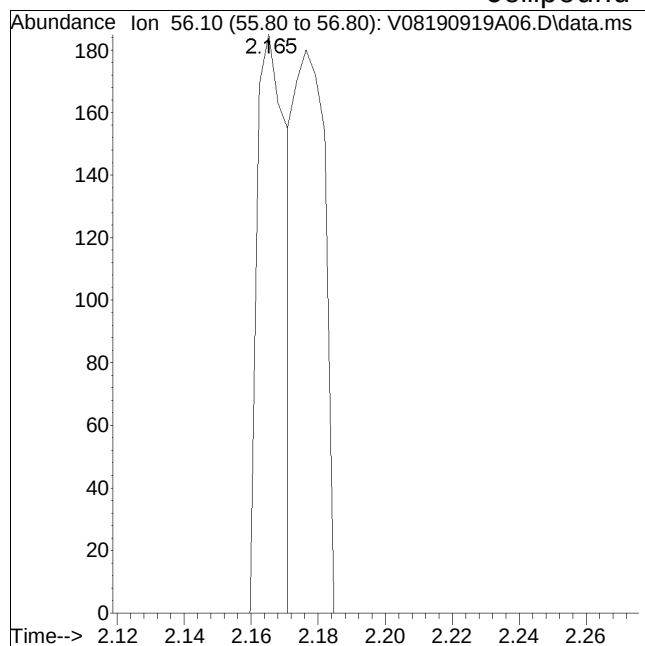


Manual Peak Response = 2918 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A06.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 2:32 am Instrument : VOA 108
Sample : I8260STDLO.5PPB Quant Date : 9/20/2019 10:30 am

Compound #14: Acrolein



Original Peak Response = 112

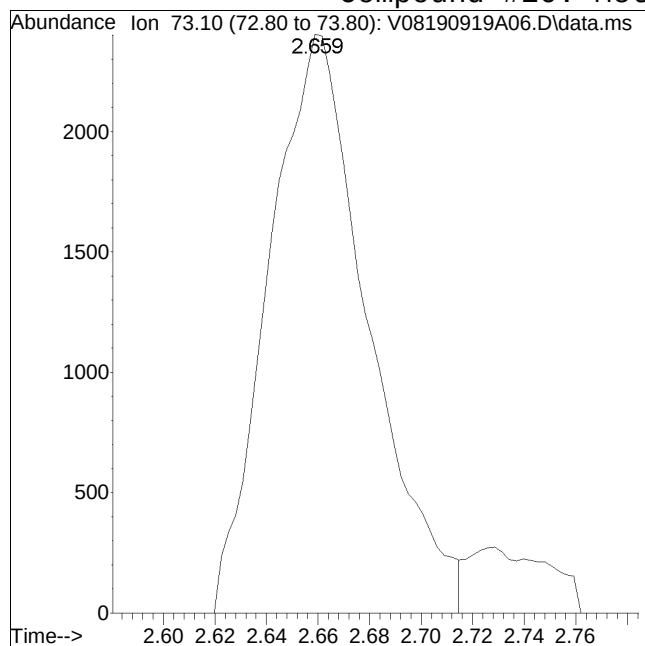
Manual Peak Response = 226 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

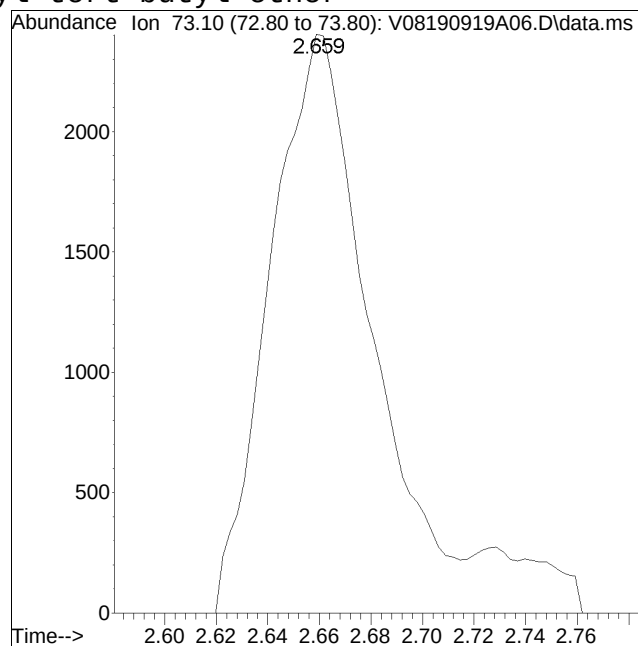
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A06.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 2:32 am Instrument : VOA 108
Sample : I8260STDLO.5PPB Quant Date : 9/20/2019 10:30 am

Compound #20: Methyl tert-butyl ether



Original Peak Response = 6447

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

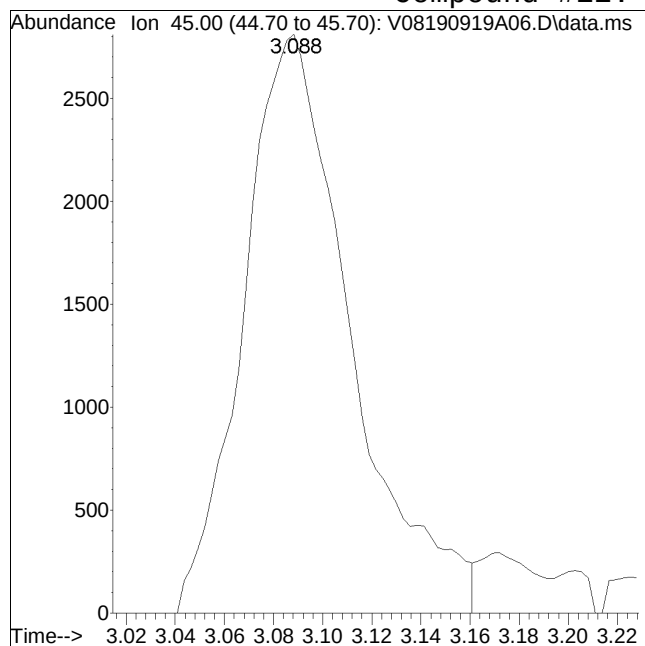


Manual Peak Response = 7035 M1

Manual Integration Report

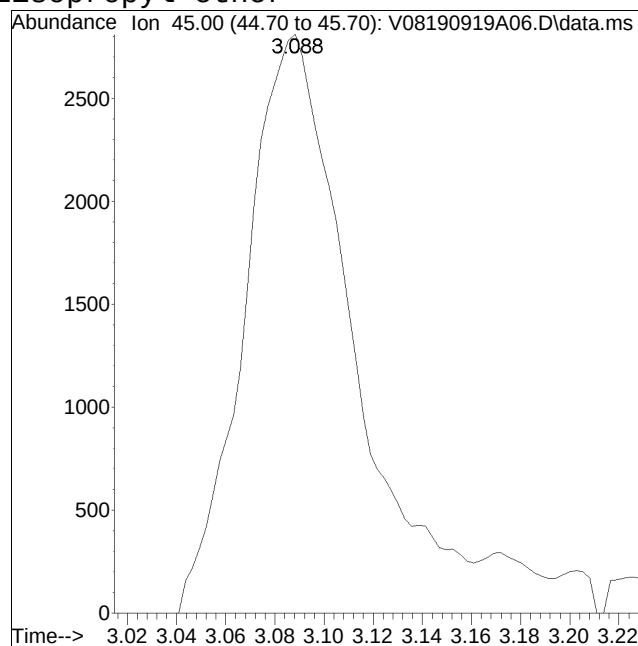
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Data File : V08190919A06.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 2:32 am Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 9/20/2019 10:30 am

Compound #22: Diisopropyl ether



Original Peak Response = 8469

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

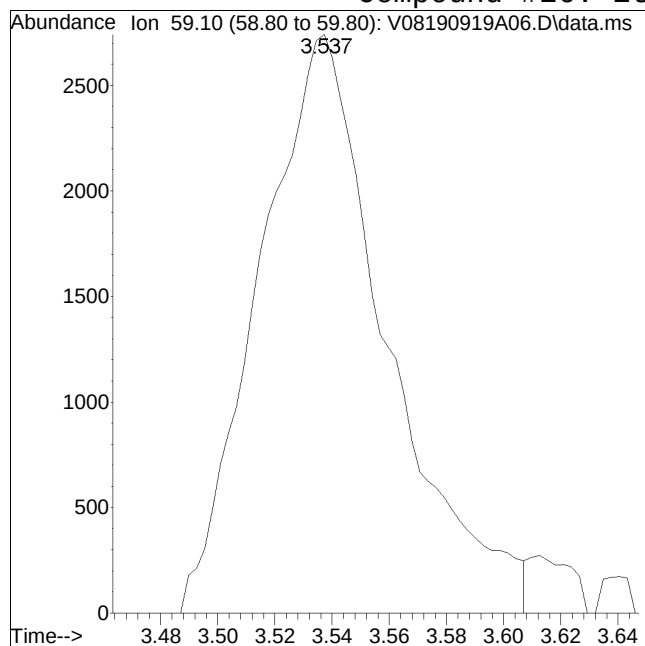


Manual Peak Response = 9099 M1

Manual Integration Report

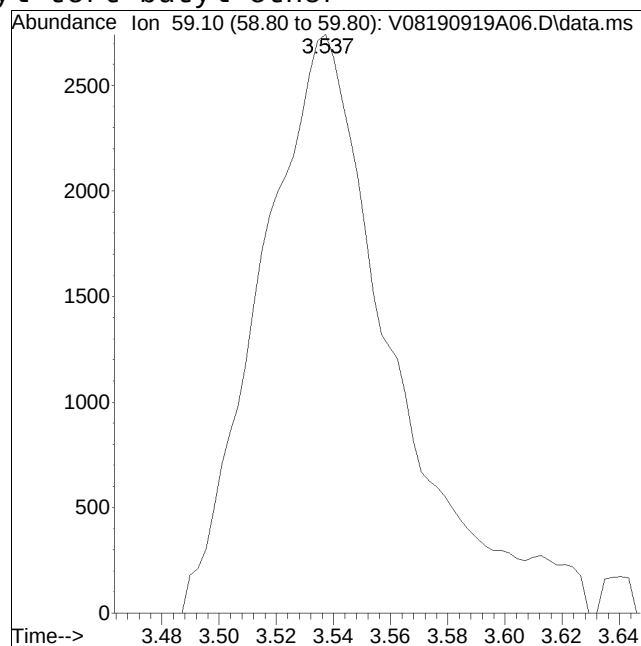
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A06.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 2:32 am Instrument : VOA 108
Sample : I8260STDLO.5PPB Quant Date : 9/20/2019 10:30 am

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 8495

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

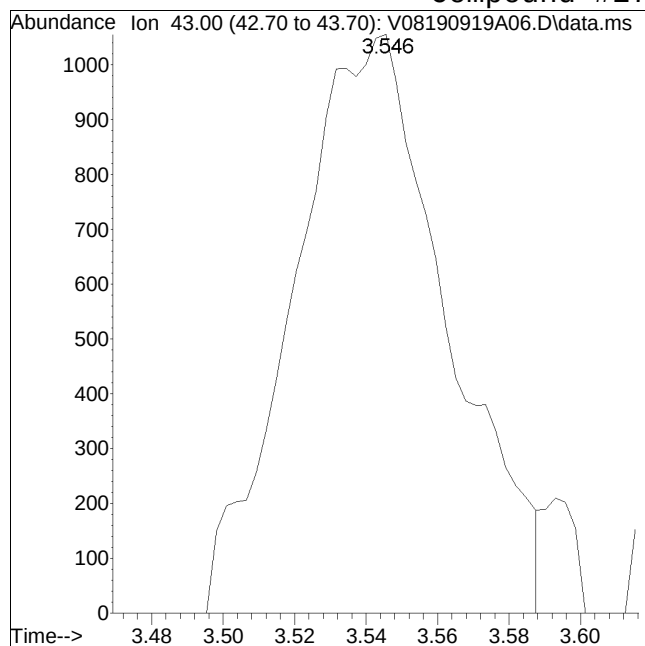


Manual Peak Response = 8767 M1

Manual Integration Report

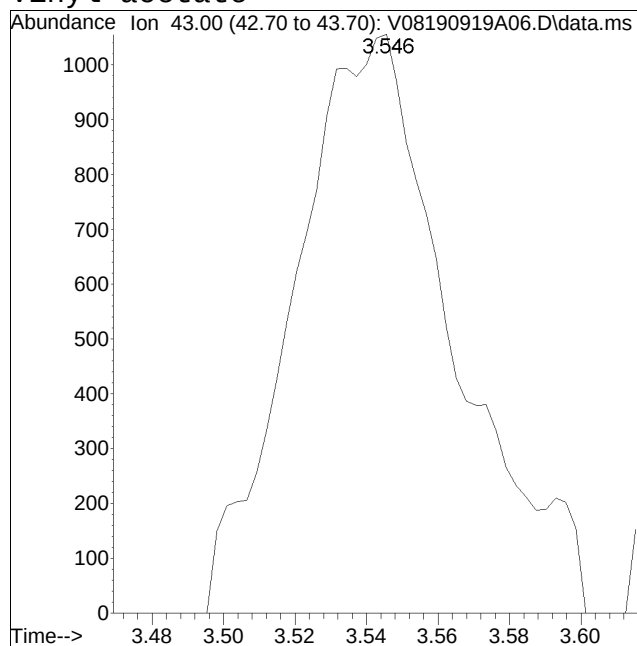
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A06.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 2:32 am Instrument : VOA 108
Sample : I8260STDLO.5PPB Quant Date : 9/20/2019 10:30 am

Compound #27: Vinyl acetate



Original Peak Response = 3127

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

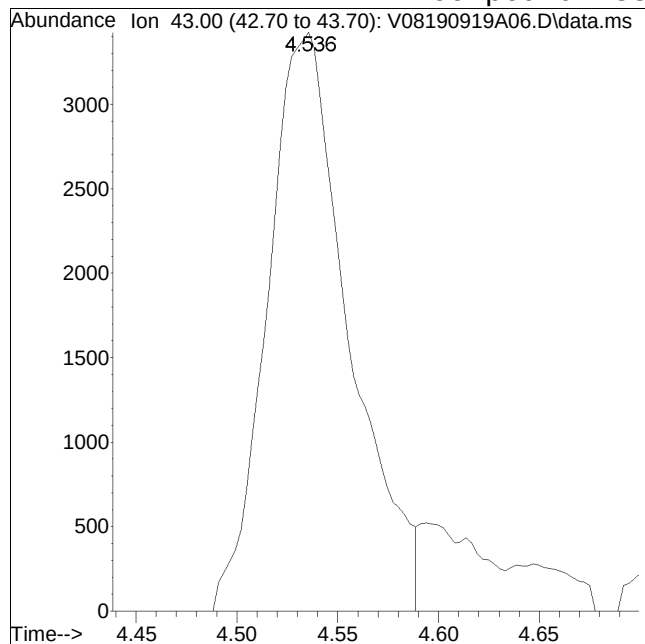


Manual Peak Response = 3254 M1

Manual Integration Report

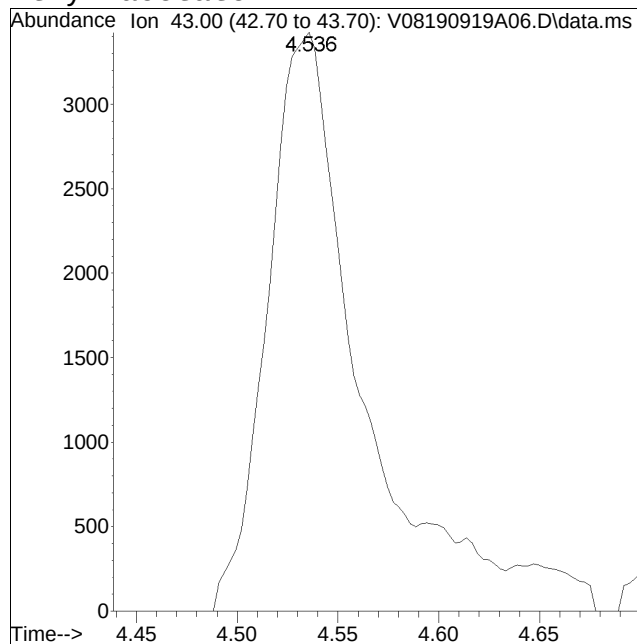
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A06.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 2:32 am Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 9/20/2019 10:30 am

Compound #33: Ethyl acetate



Original Peak Response = 9622

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

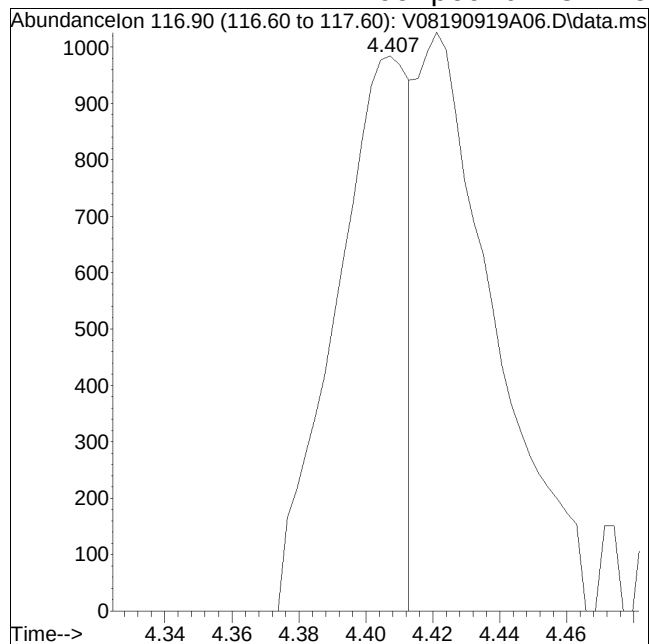


Manual Peak Response = 11278 M1

Manual Integration Report

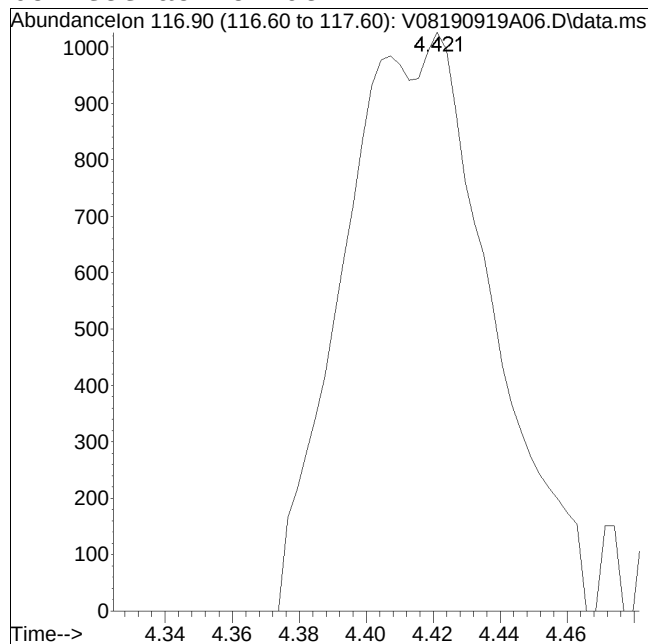
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A06.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 2:32 am Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 9/20/2019 10:30 am

Compound #34: Carbon tetrachloride



Original Peak Response = 1493

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

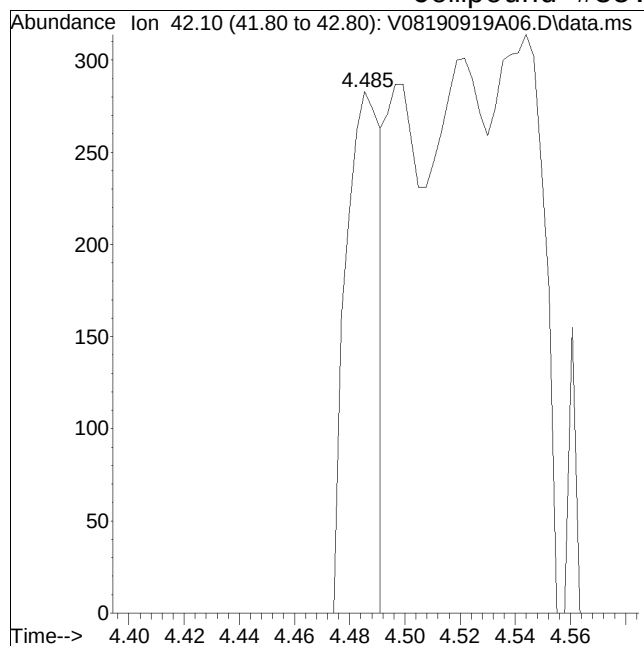


Manual Peak Response = 3140 M1

Manual Integration Report

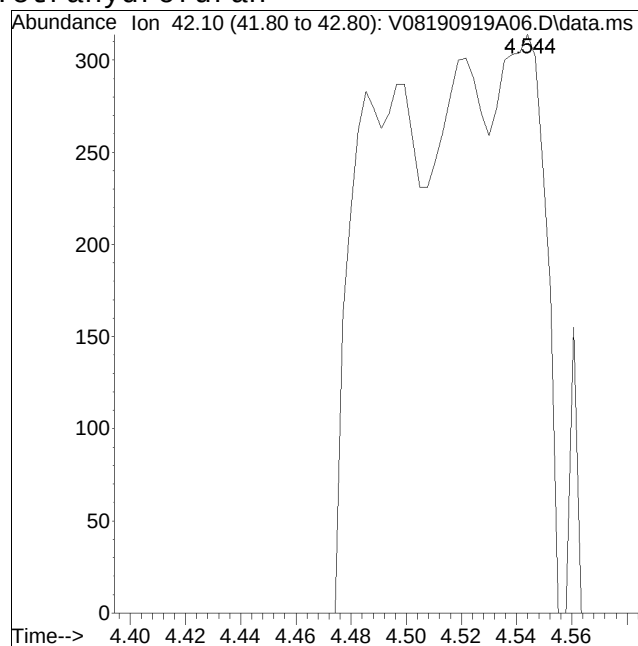
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Data File : V08190919A06.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 2:32 am Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 9/20/2019 10:30 am

Compound #35: Tetrahydrofuran



Original Peak Response = 244

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

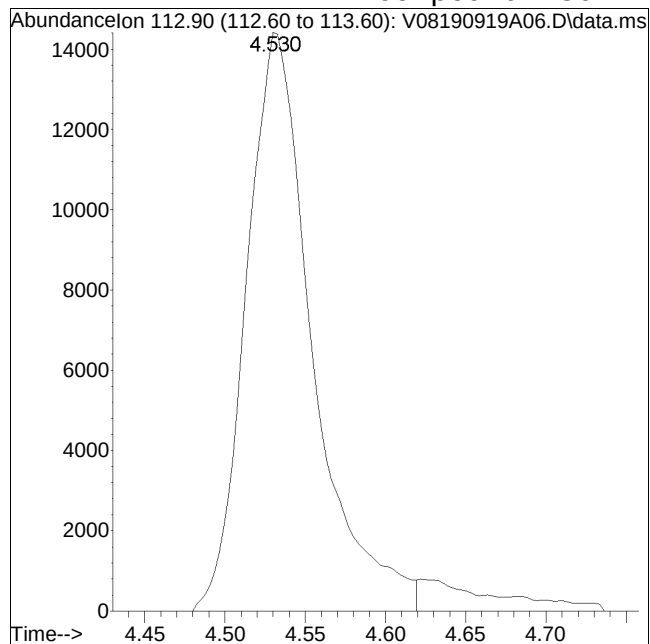


Manual Peak Response = 1272 M1

Manual Integration Report

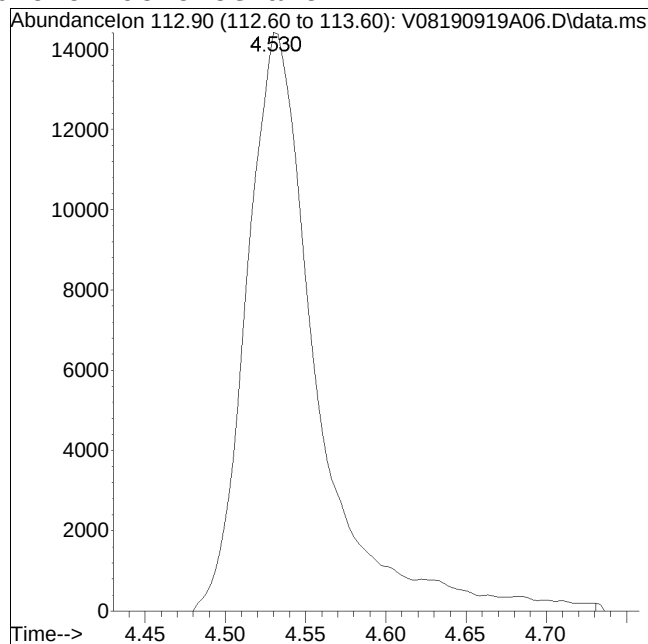
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A06.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 2:32 am Instrument : VOA 108
Sample : I8260STDLO.5PPB Quant Date : 9/20/2019 10:30 am

Compound #36: Dibromofluoromethane



Original Peak Response = 41340

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

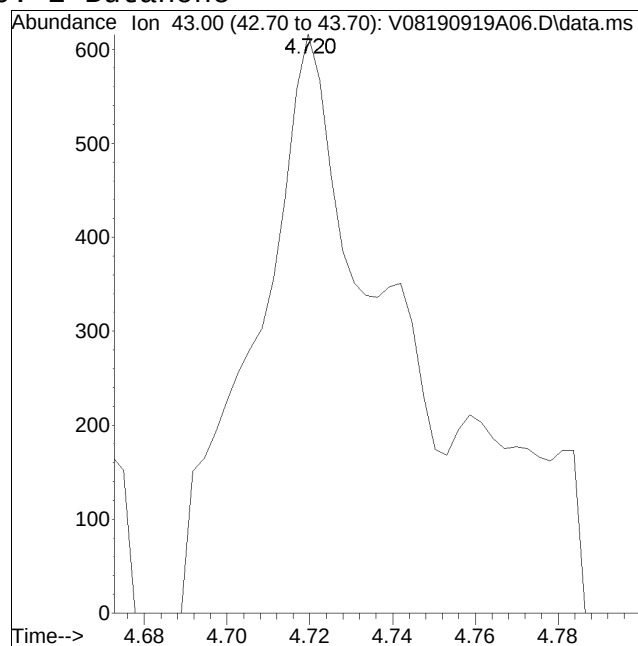
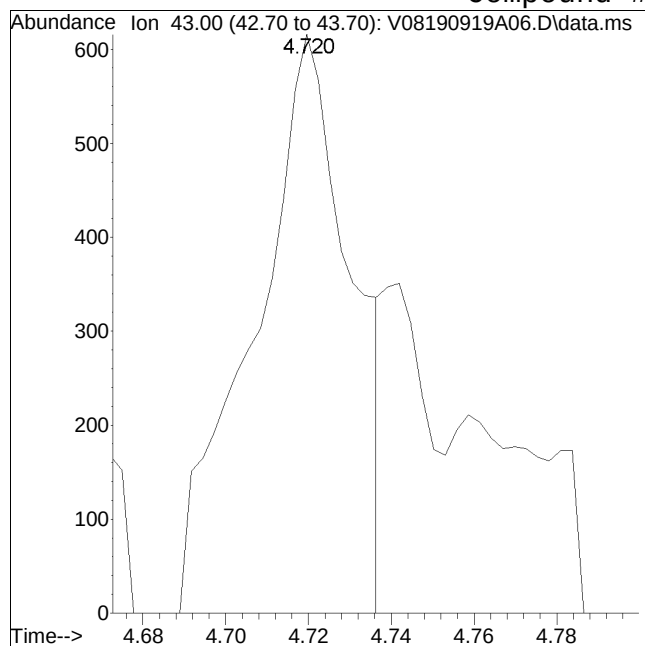


Manual Peak Response = 44033 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190919A06.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 2:32 am Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 9/20/2019 10:30 am

Compound #39: 2-Butanone



Original Peak Response = 1002

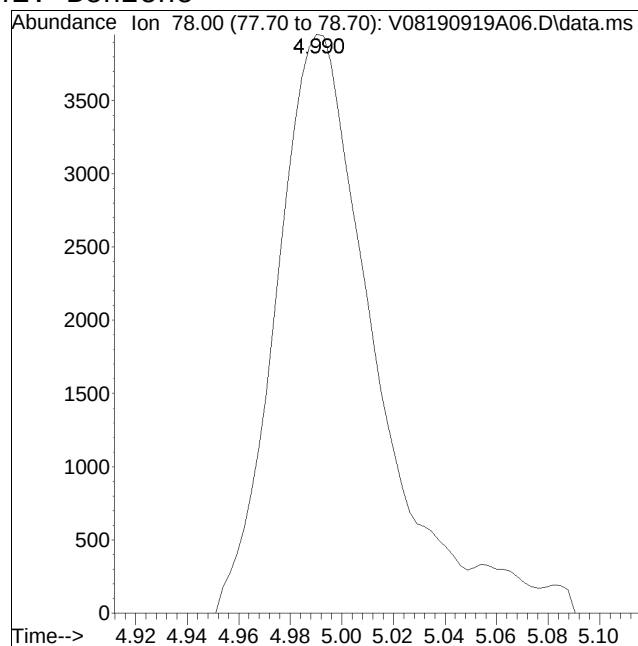
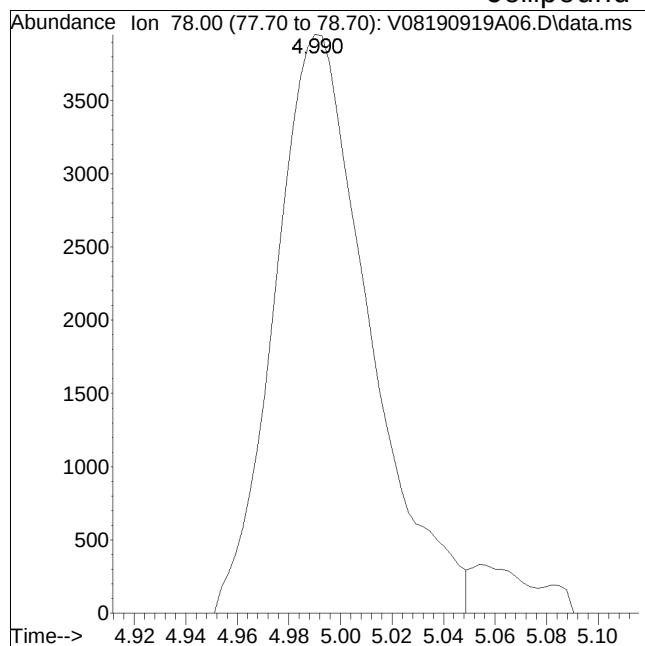
Manual Peak Response = 1601 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A06.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 2:32 am Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 9/20/2019 10:30 am

Compound #41: Benzene



Original Peak Response = 9989

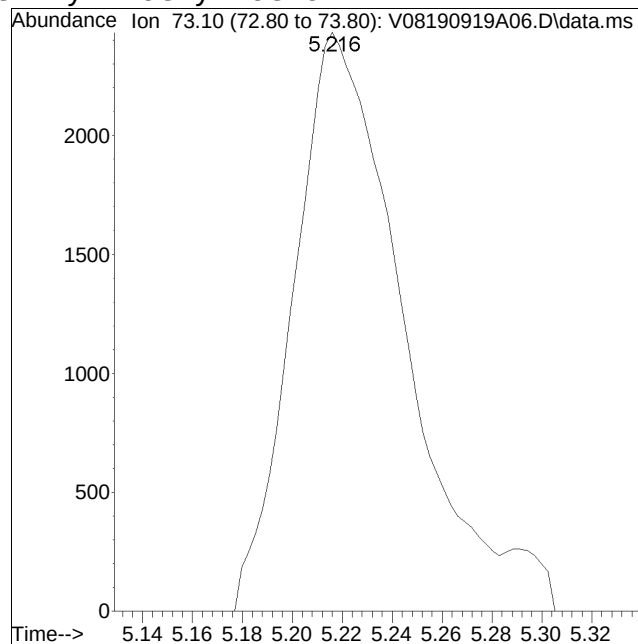
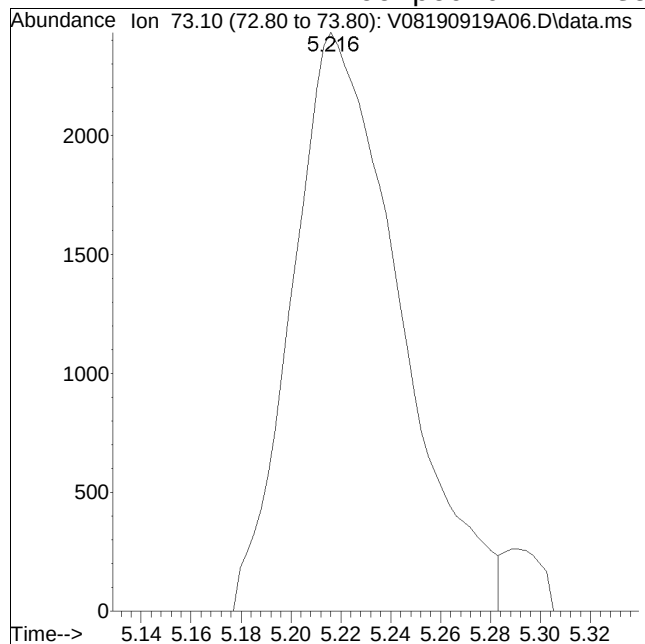
Manual Peak Response = 10555 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A06.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 2:32 am Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 9/20/2019 10:30 am

Compound #42: tert-Amyl methyl ether



Original Peak Response = 7242

Manual Peak Response = 7514 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A08.D
 Acq On : 20 Sep 2019 3:16 am
 Operator : VOA108:PD
 Sample : I8260STD12PPB
 Misc : WG1286620,ICAL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 20 10:30:59 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.511	96	173924	10.000	ug/L	0.00
Standard Area 1 = 167206			Recovery =	104.02%		
59) Chlorobenzene-d5	8.504	117	121330	10.000	ug/L	0.00
Standard Area 1 = 123908			Recovery =	97.92%		
79) 1,4-Dichlorobenzene-d4	9.987	152	57454	10.000	ug/L	0.00
Standard Area 1 = 62238			Recovery =	92.31%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.530	113	45170M1	10.278	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.78%		
43) 1,2-Dichloroethane-d4	5.168	65	55878	10.181	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.81%		
60) Toluene-d8	7.207	98	163670	10.117	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.17%		
83) 4-Bromofluorobenzene	9.321	95	58505	10.170	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.70%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.963	85	7261M1	1.721	ug/L	
3) Chloromethane	1.083	50	9520	1.936	ug/L	100
4) Vinyl chloride	1.139	62	9357M1	1.825	ug/L	
5) Bromomethane	1.342	94	7958M1	2.165	ug/L	
6) Chloroethane	1.423	64	7373M1	2.213	ug/L	
7) Trichlorofluoromethane	1.524	101	12702M1	1.801	ug/L	
8) Ethyl ether	1.761	74	3987	1.912	ug/L	77
10) 1,1-Dichloroethene	1.892	96	6329M1	1.725	ug/L	
11) Carbon disulfide	1.897	76	21454M1	1.850	ug/L	
12) Freon-113	1.934	101	6278M1	1.705	ug/L	
13) Iodomethane	1.992	142	5666	2.398	ug/L	79
14) Acrolein	2.168	56	899	1.614	ug/L	99
15) Methylene chloride	2.380	84	9103M1	2.089	ug/L	
17) Acetone	2.433	43	2247M1	2.496	ug/L	
18) trans-1,2-Dichloroethene	2.528	96	7712M1	1.932	ug/L	
19) Methyl acetate	2.567	43	4299	2.098	ug/L	97
20) Methyl tert-butyl ether	2.656	73	22484M1	2.052	ug/L	
21) tert-Butyl alcohol	2.798	59	2748	9.074	ug/L #	40
22) Diisopropyl ether	3.085	45	29590M1	2.035	ug/L	
23) 1,1-Dichloroethane	3.166	63	16909M1	2.044	ug/L	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A08.D
 Acq On : 20 Sep 2019 3:16 am
 Operator : VOA108:PD
 Sample : I8260STD2L2PPB
 Misc : WG1286620,ICAL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 20 10:30:59 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
24) Halothane	3.311	117	5427M1	1.807	ug/L		
25) Acrylonitrile	3.233	53	1934	1.744	ug/L	#	93
26) Ethyl tert-butyl ether	3.534	59	29995M1	2.072	ug/L		
27) Vinyl acetate	3.534	43	15918M1	1.809	ug/L		
28) cis-1,2-Dichloroethene	3.861	96	9096M1	2.007	ug/L		
29) 2,2-Dichloropropane	3.997	77	11800M1	1.897	ug/L		
30) Bromochloromethane	4.134	128	4105	1.993	ug/L	#	51
31) Cyclohexane	4.106	56	13330M1	1.791	ug/L		
32) Chloroform	4.298	83	16212M1	2.005	ug/L		
33) Ethyl acetate	4.530	43	20178M1	2.018	ug/L		
34) Carbon tetrachloride	4.413	117	10464	1.840	ug/L		96
35) Tetrahydrofuran	4.482	42	1407	1.765	ug/L		91
37) 1,1,1-Trichloroethane	4.510	97	13595M1	1.903	ug/L		
39) 2-Butanone	4.722	43	1941	1.439	ug/L	#	67
40) 1,1-Dichloropropene	4.686	75	10434M1	1.828	ug/L		
41) Benzene	4.993	78	33967M1	1.915	ug/L		
42) tert-Amyl methyl ether	5.216	73	24050M1	2.008	ug/L		
44) 1,2-Dichloroethane	5.249	62	13597M1	2.059	ug/L		
47) Methyl cyclohexane	5.670	83	11679M1	1.664	ug/L		
48) Trichloroethene	5.707	95	9190M1	1.922	ug/L		
50) Dibromomethane	6.153	93	5462	2.033	ug/L		93
51) 1,2-Dichloropropane	6.264	63	9171	1.945	ug/L		96
53) 2-Chloroethyl vinyl ether	7.020	63	5426	1.872	ug/L		98
54) Bromodichloromethane	6.373	83	13097M1	1.999	ug/L		
57) 1,4-Dioxane	6.596	88	8800	380.588	ug/L	#	81
58) cis-1,3-Dichloropropene	7.031	75	14562M1	1.969	ug/L		
61) Toluene	7.257	92	21236	1.985	ug/L		100
62) 4-Methyl-2-pentanone	7.662	58	2541	1.912	ug/L	#	88
63) Tetrachloroethene	7.614	166	8468	1.876	ug/L		92
65) trans-1,3-Dichloropropene	7.681	75	12231	1.986	ug/L		99
67) Ethyl methacrylate	7.868	69	8049	1.790	ug/L		95
68) 1,1,2-Trichloroethane	7.812	83	6302	2.102	ug/L		97
69) Chlorodibromomethane	7.943	129	8878	2.036	ug/L		98
70) 1,3-Dichloropropane	8.021	76	12930	2.085	ug/L		99
71) 1,2-Dibromoethane	8.105	107	7082	2.025	ug/L		99
72) 2-Hexanone	8.342	43	4171	1.838	ug/L	#	96
73) Chlorobenzene	8.515	112	24648	2.088	ug/L		95
74) Ethylbenzene	8.554	91	40504	1.981	ug/L		99
75) 1,1,1,2-Tetrachloroethane	8.573	131	9169	2.126	ug/L		96
76) p/m Xylene	8.660	106	30266	3.900	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A08.D
 Acq On : 20 Sep 2019 3:16 am
 Operator : VOA108:PD
 Sample : I8260STD12PPB
 Misc : WG1286620,ICAL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 20 10:30:59 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) o Xylene	8.944	106	30229	4.053	ug/L	93
78) Styrene	8.981	104	50254	4.059	ug/L	92
80) Bromoform	8.986	173	5069	1.948	ug/L	94
82) Isopropylbenzene	9.153	105	39229	2.022	ug/L	98
84) Bromobenzene	9.377	156	9924	2.104	ug/L	100
85) n-Propylbenzene	9.413	91	44675	1.992	ug/L	98
86) 1,4-Dichlorobutane	9.418	55	12359	2.089	ug/L	97
87) 1,1,2,2-Tetrachloroethane	9.466	83	8621	2.106	ug/L	100
88) 4-Ethyltoluene	9.482	105	34541	1.937	ug/L	98
89) 2-Chlorotoluene	9.494	91	31321	2.045	ug/L	97
90) 1,3,5-Trimethylbenzene	9.535	105	31204	1.999	ug/L	94
91) 1,2,3-Trichloropropane	9.533	75	7065	1.979	ug/L	97
92) trans-1,4-Dichloro-2-b...	9.569	53	2174	2.055	ug/L #	93
93) 4-Chlorotoluene	9.597	91	28603	2.068	ug/L	96
94) tert-Butylbenzene	9.722	119	30135	1.926	ug/L	97
95) Pentachloroethane	9.731	167	4426	1.518	ug/L	91
97) 1,2,4-Trimethylbenzene	9.764	105	31573	2.038	ug/L	96
98) sec-Butylbenzene	9.825	105	36199	1.961	ug/L	100
99) p-Isopropyltoluene	9.912	119	31903	1.936	ug/L	98
100) 1,3-Dichlorobenzene	9.945	146	17965	2.059	ug/L	99
101) 1,4-Dichlorobenzene	9.996	146	18331	2.042	ug/L	95
102) p-Diethylbenzene	10.124	119	18073	1.920	ug/L	94
103) n-Butylbenzene	10.155	91	28203	1.861	ug/L	98
104) 1,2-Dichlorobenzene	10.238	146	16956	2.047	ug/L	98
105) 1,2,4,5-Tetramethylben...	10.578	119	25695	1.798	ug/L	98
106) 1,2-Dibromo-3-chloropr...	10.693	155	1060	1.816	ug/L	83
107) 1,3,5-Trichlorobenzene	10.710	180	12165	1.982	ug/L	96
108) Hexachlorobutadiene	11.053	225	5250	1.941	ug/L	94
109) 1,2,4-Trichlorobenzene	11.069	180	11381	1.947	ug/L	98
110) Naphthalene	11.248	128	23569	1.882	ug/L	100
111) 1,2,3-Trichlorobenzene	11.351	180	10385	1.954	ug/L	98

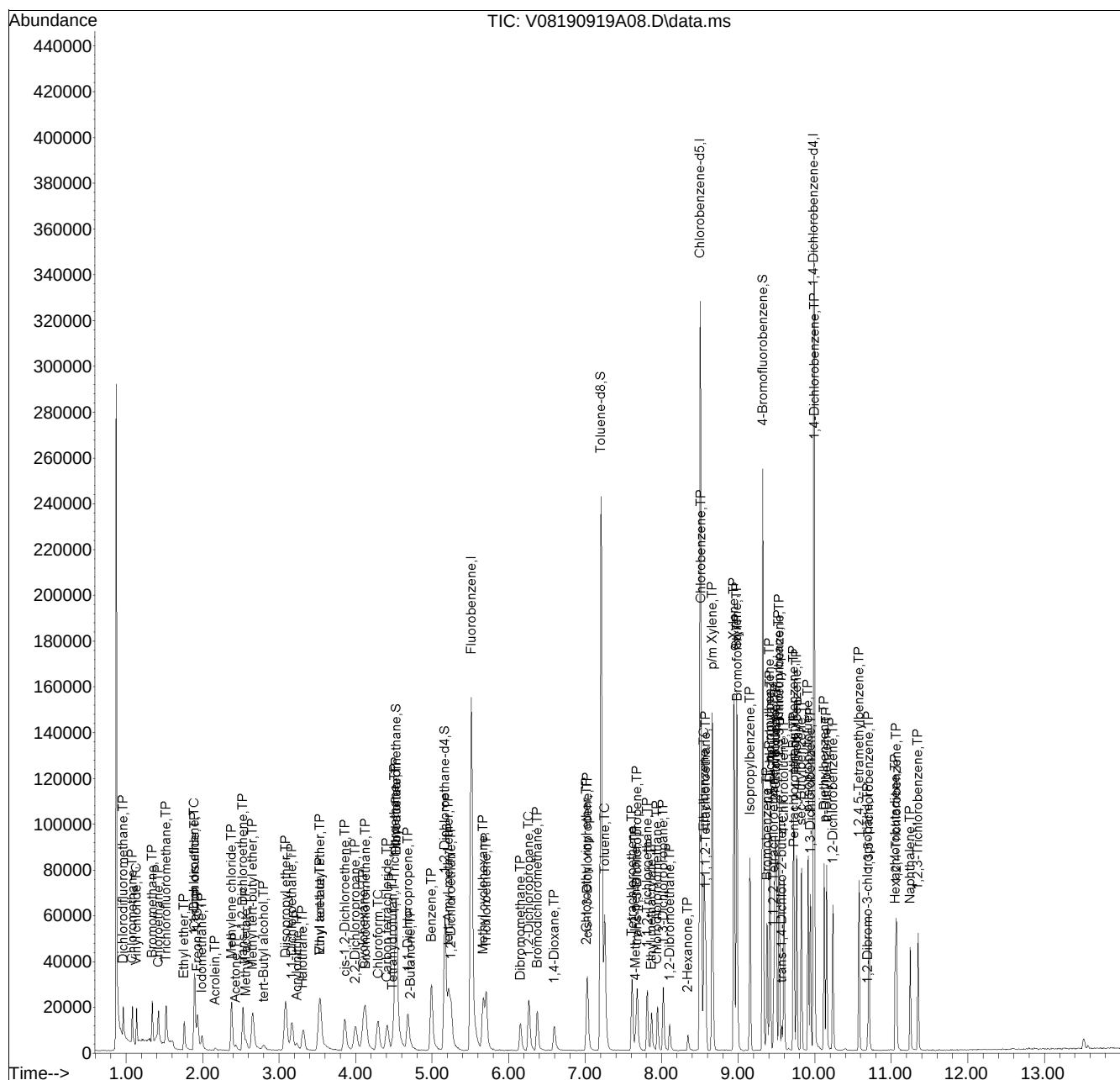
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

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Data Path   : I:\VOLATILES\VOA108\2019\190919\  
Data File  : V08190919A08.D  
Acq On     : 20 Sep 2019    3:16 am  
Operator   : VOA108:PD  
Sample     : I8260STDL2PPB  
Misc      : WG1286620,ICAL  
ALS Vial   : 7      Sample Multiplier: 1
```

Quant Time: Sep 20 10:30:59 2019
Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 20 10:28:56 2019
Response via : Initial Calibration

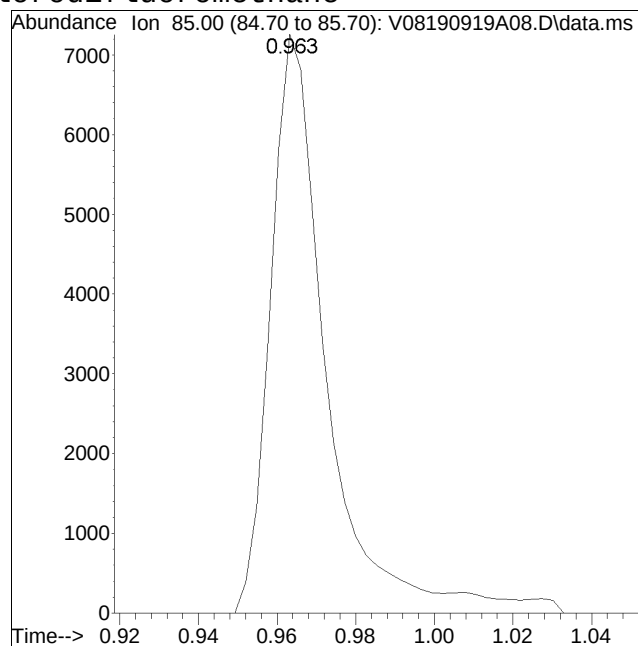
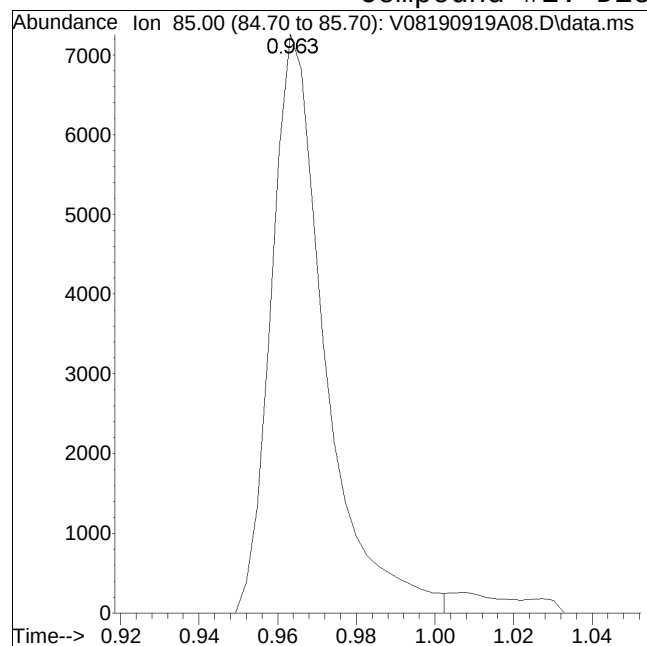
Sub List : 8260-CurvePenta - All compounds listed8190919A09.D•



Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #2: Dichlorodifluoromethane



Original Peak Response = 6933

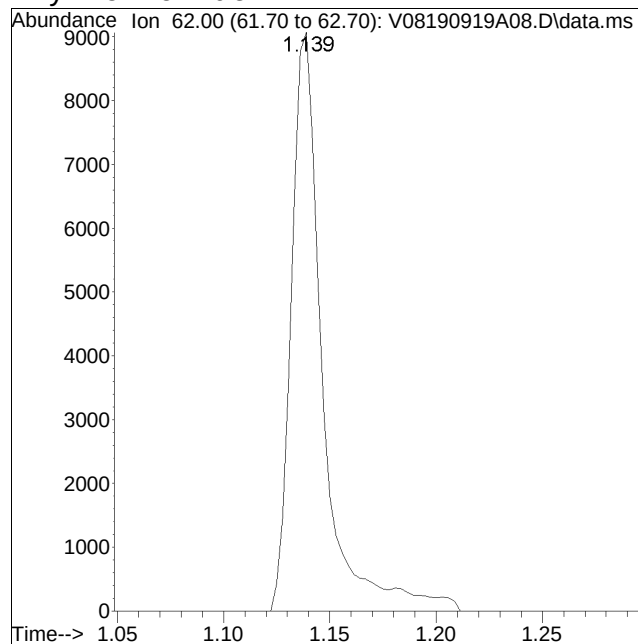
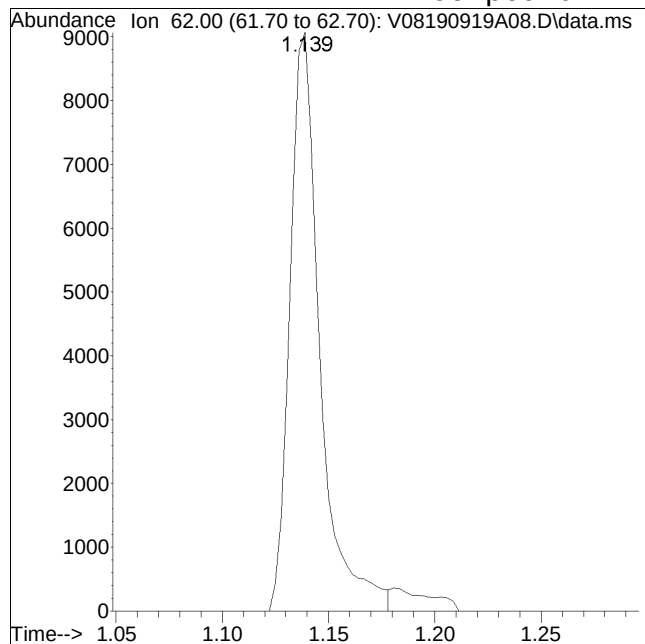
Manual Peak Response = 7261 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #4: Vinyl chloride



Original Peak Response = 8898

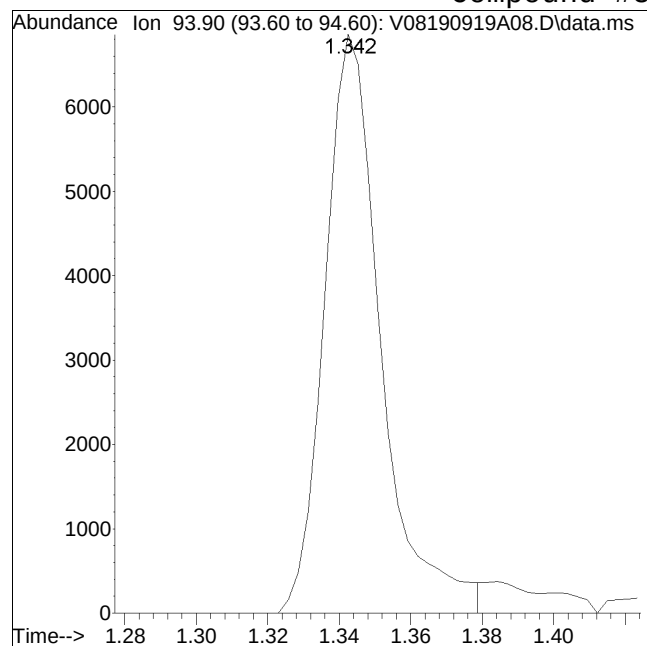
Manual Peak Response = 9357 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

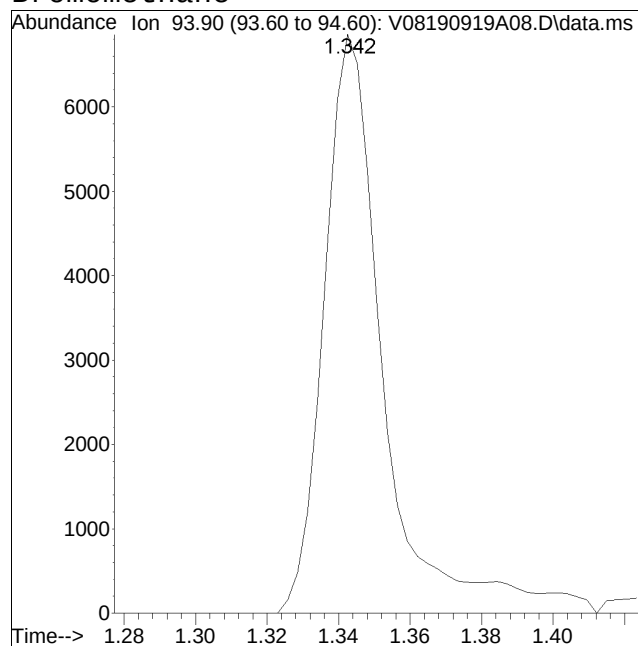
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Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #5: Bromomethane



Original Peak Response = 7471

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

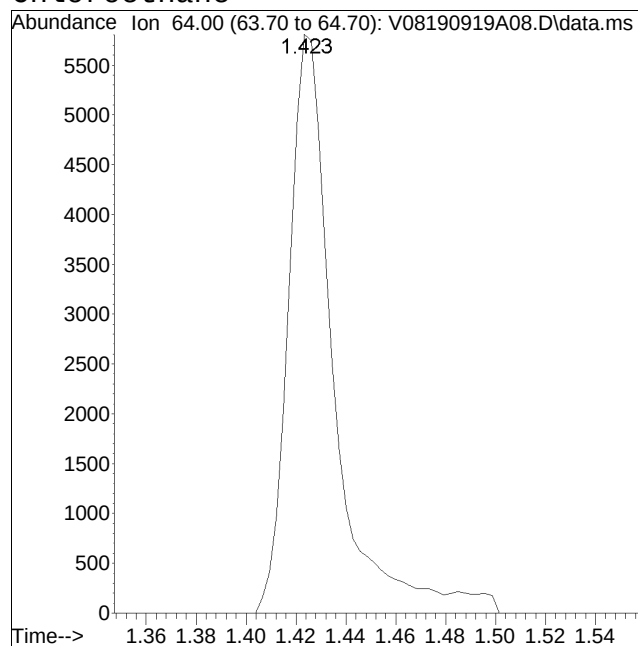
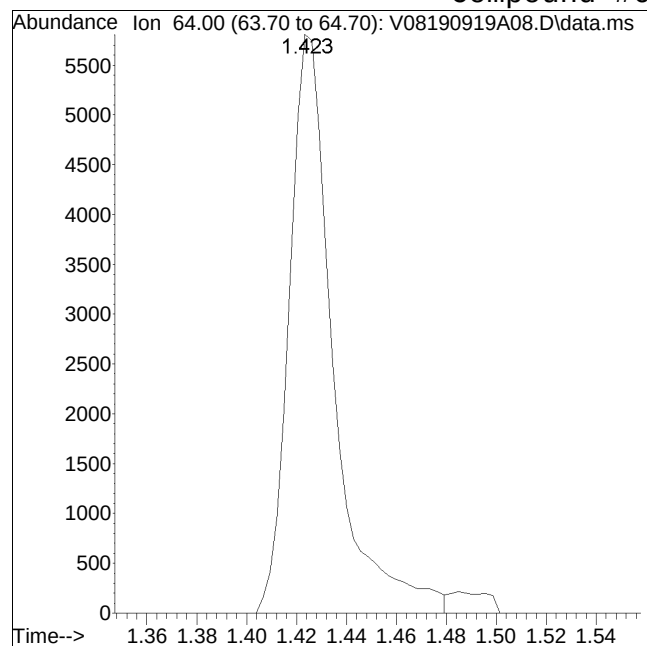


Manual Peak Response = 7958 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STD L2PPB Quant Date : 9/20/2019 10:30 am

Compound #6: Chloroethane



Original Peak Response = 7145

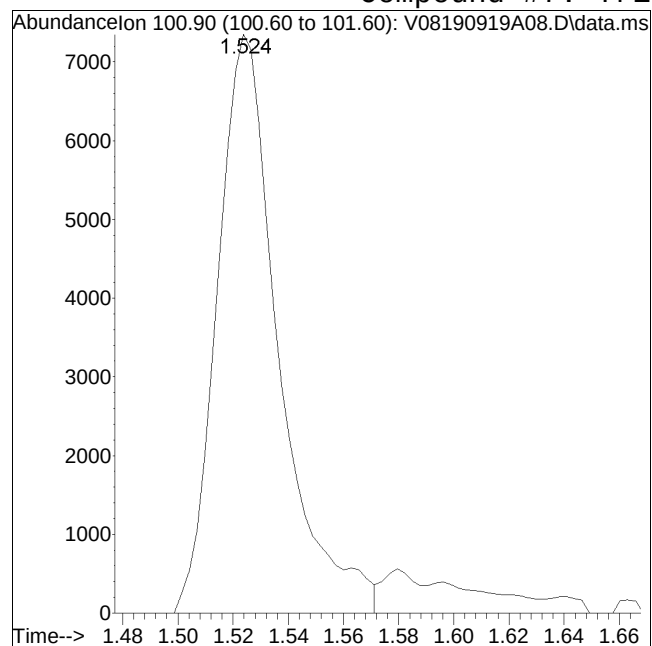
Manual Peak Response = 7373 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

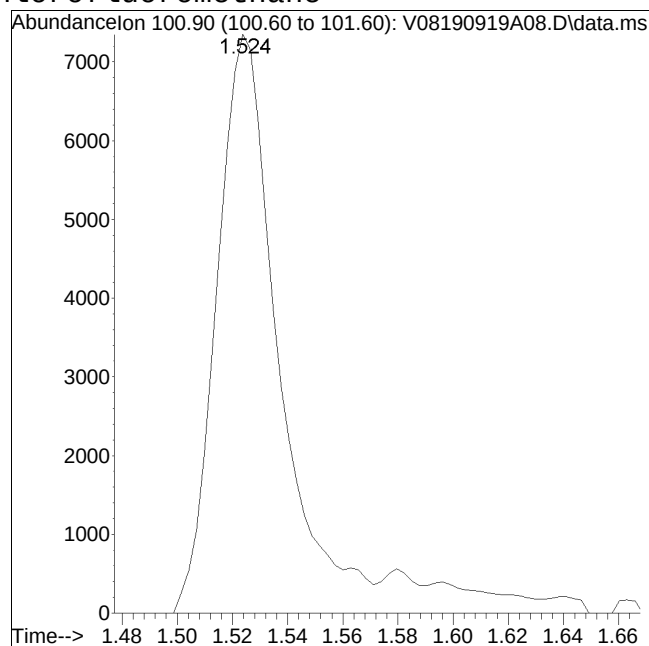
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #7: Trichlorofluoromethane



Original Peak Response = 11355

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

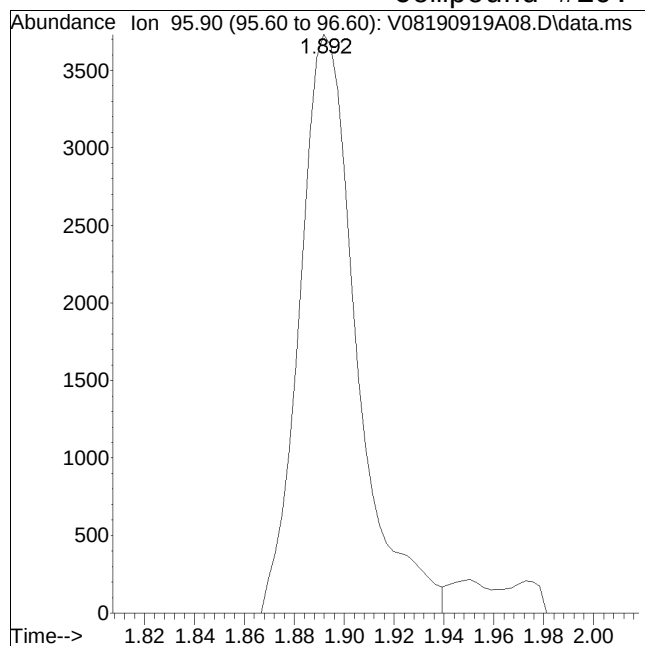


Manual Peak Response = 12702 M1

Manual Integration Report

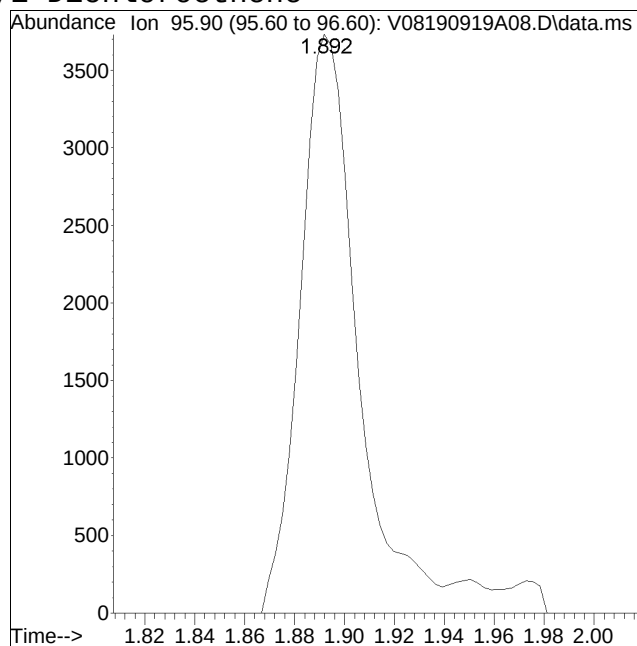
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #10: 1,1-Dichloroethene



Original Peak Response = 5900

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

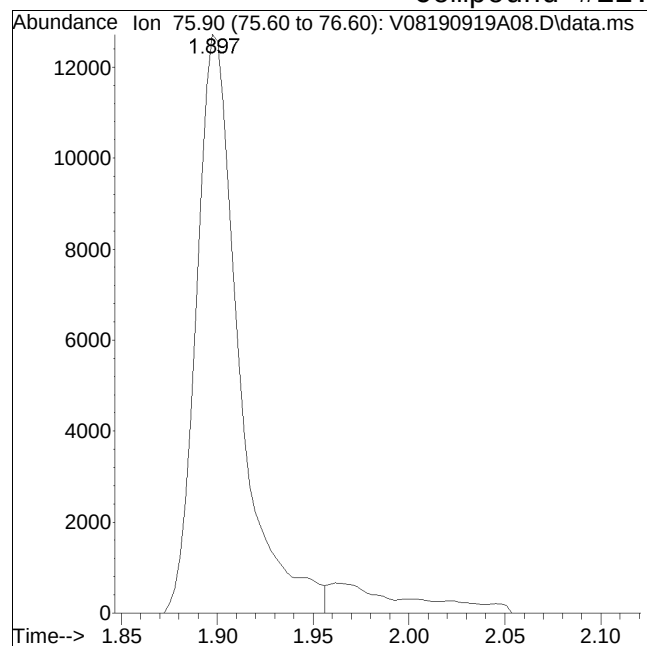


Manual Peak Response = 6329 M1

Manual Integration Report

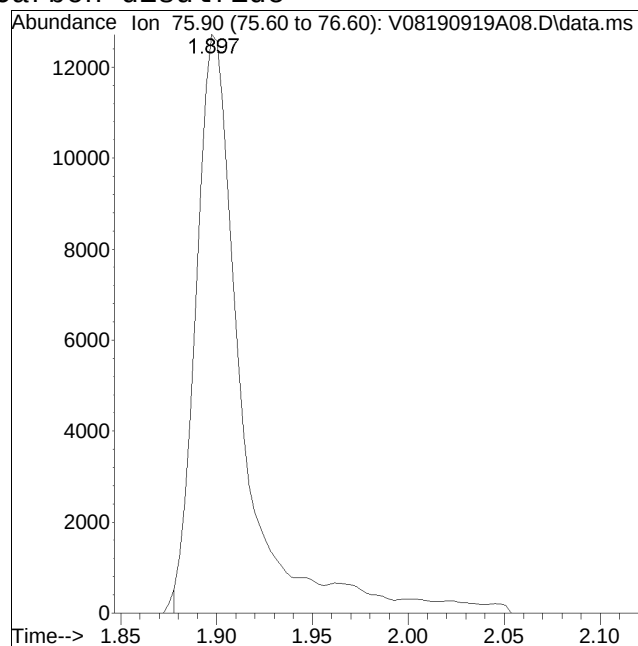
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #11: Carbon disulfide



Original Peak Response = 19628

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

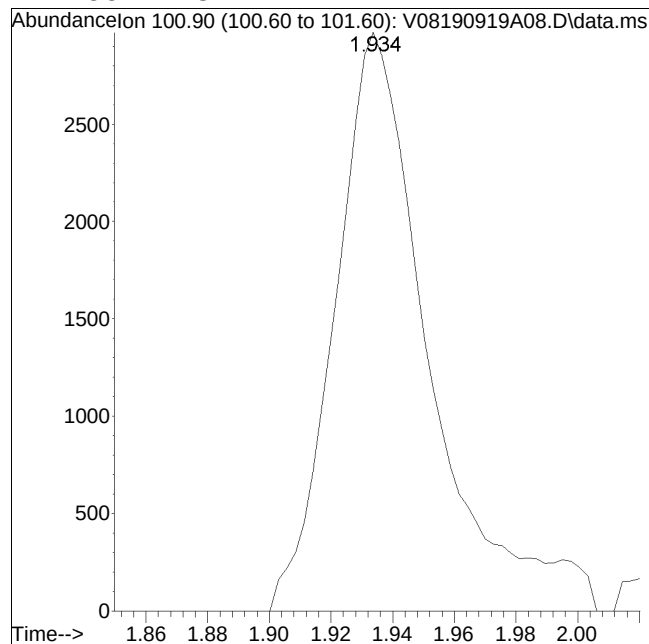
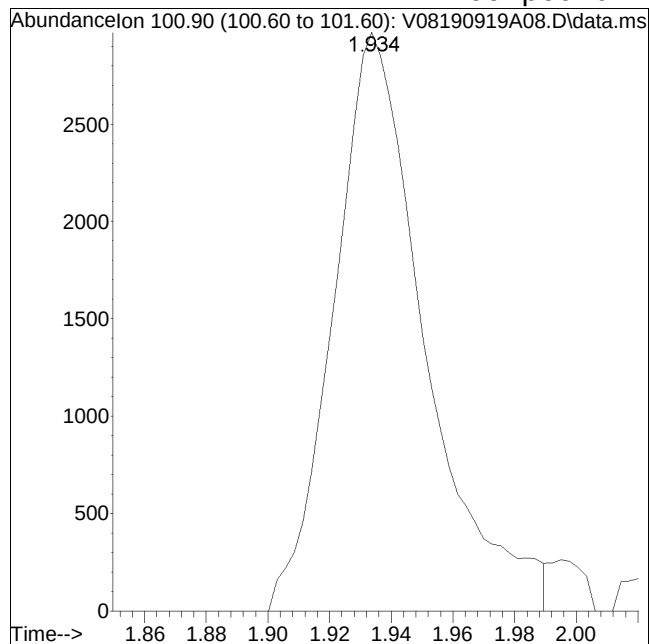


Manual Peak Response = 21454 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STD L2PPB Quant Date : 9/20/2019 10:30 am

Compound #12: Freon-113



Original Peak Response = 6083

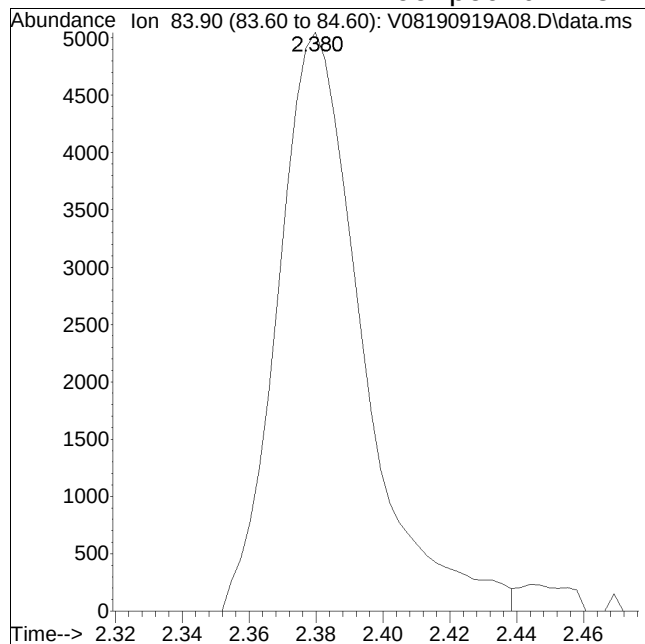
Manual Peak Response = 6278 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

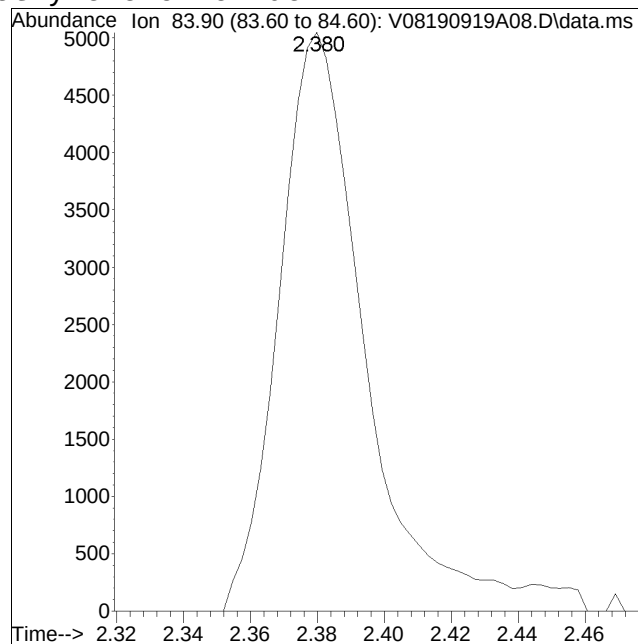
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #15: Methylene chloride



Original Peak Response = 8859



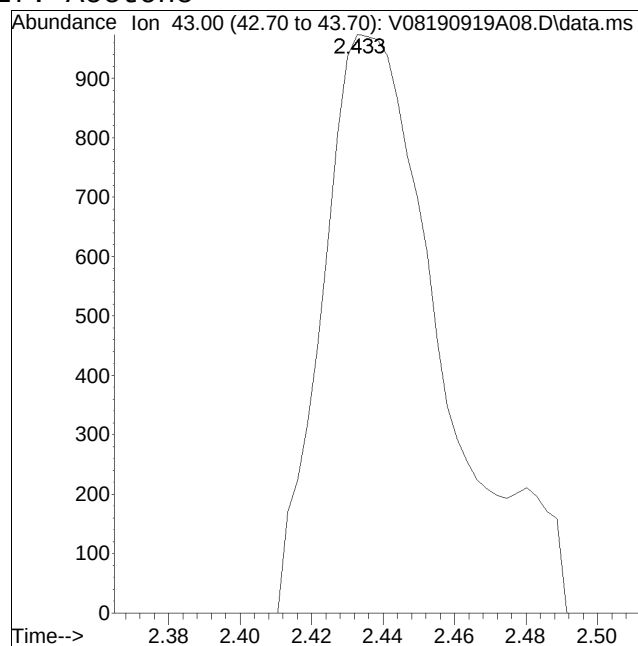
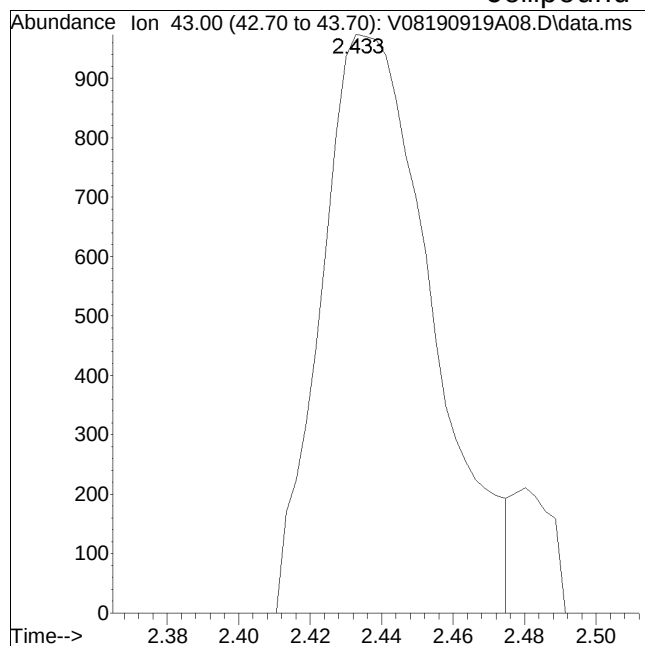
Manual Peak Response = 9103 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #17: Acetone



Original Peak Response = 2090

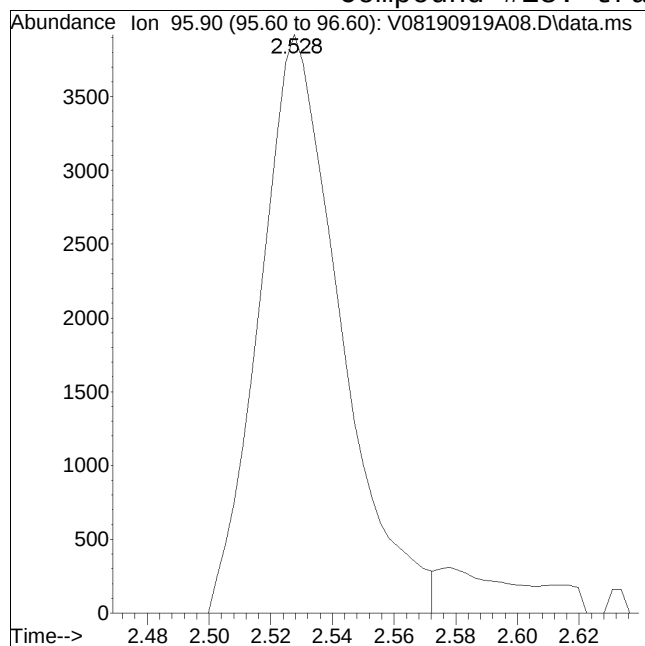
Manual Peak Response = 2247 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

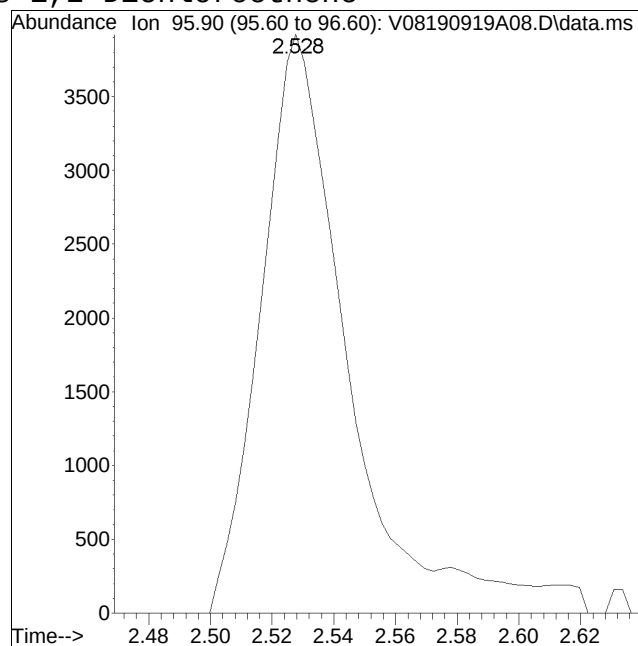
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STD L2PPB Quant Date : 9/20/2019 10:30 am

Compound #18: trans-1,2-Dichloroethene



Original Peak Response = 7086

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

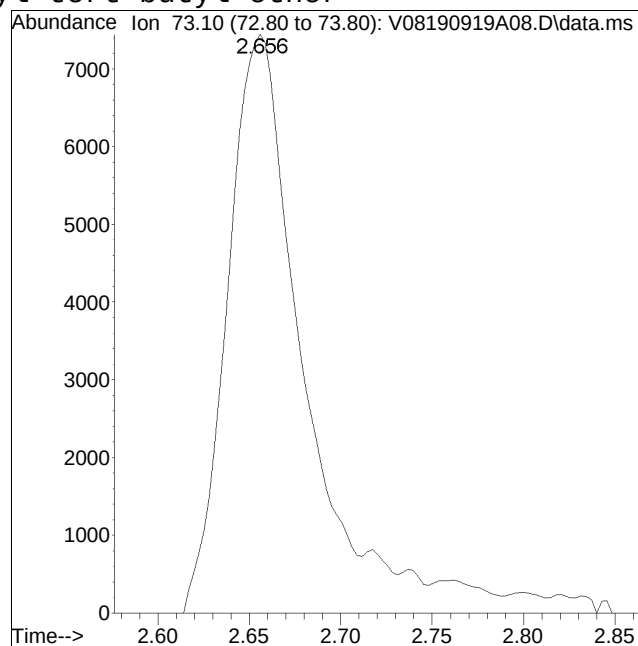
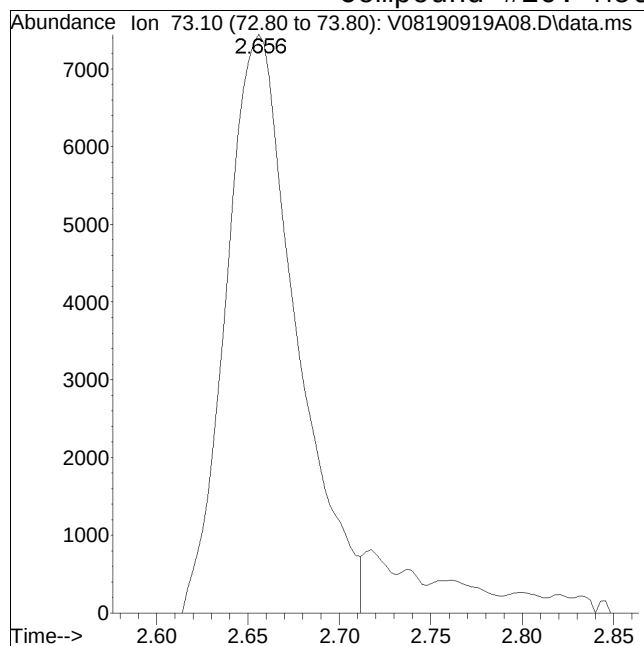


Manual Peak Response = 7712 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #20: Methyl tert-butyl ether



Original Peak Response = 19741

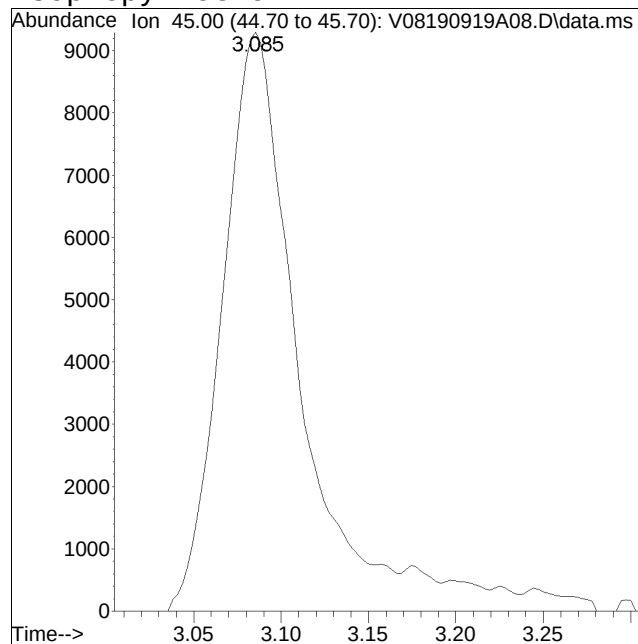
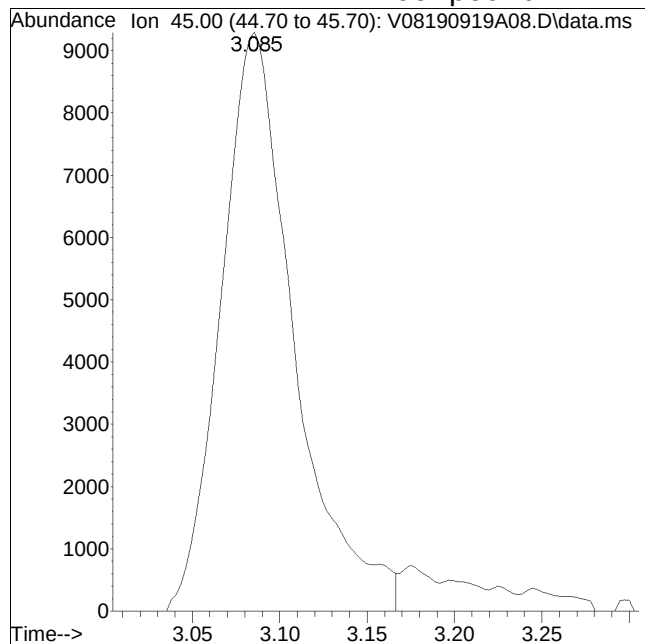
Manual Peak Response = 22484 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #22: Diisopropyl ether



Original Peak Response = 26961

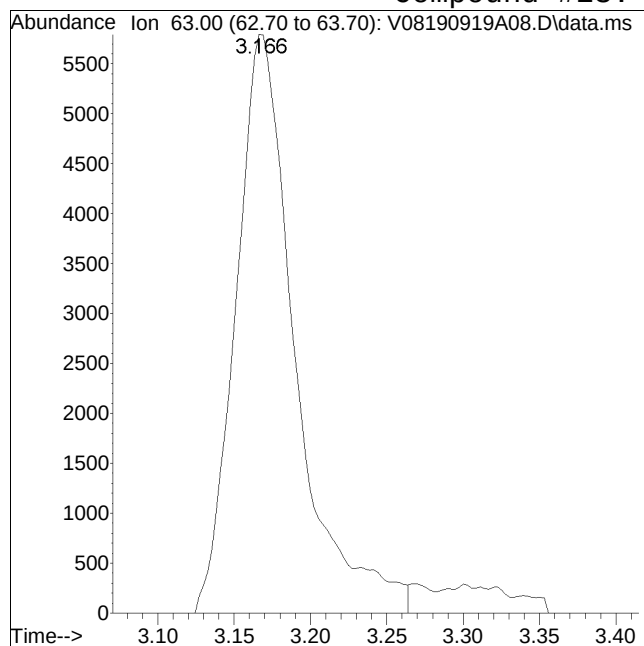
Manual Peak Response = 29590 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

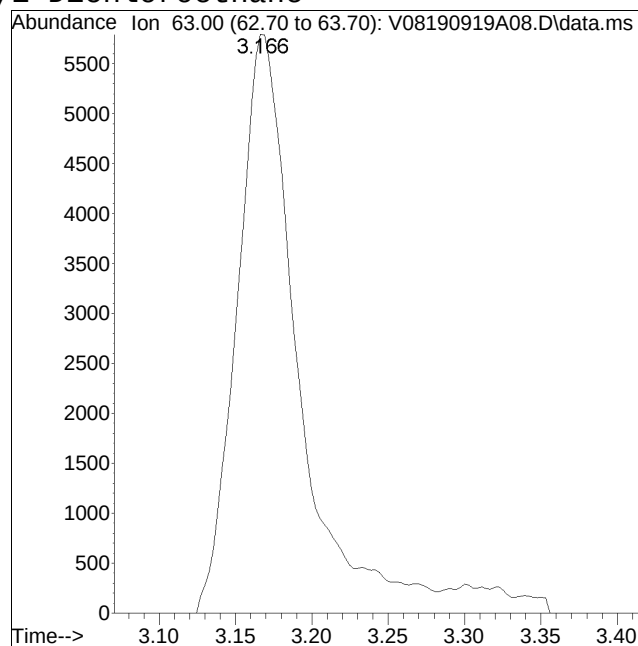
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #23: 1,1-Dichloroethane



Original Peak Response = 15702

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

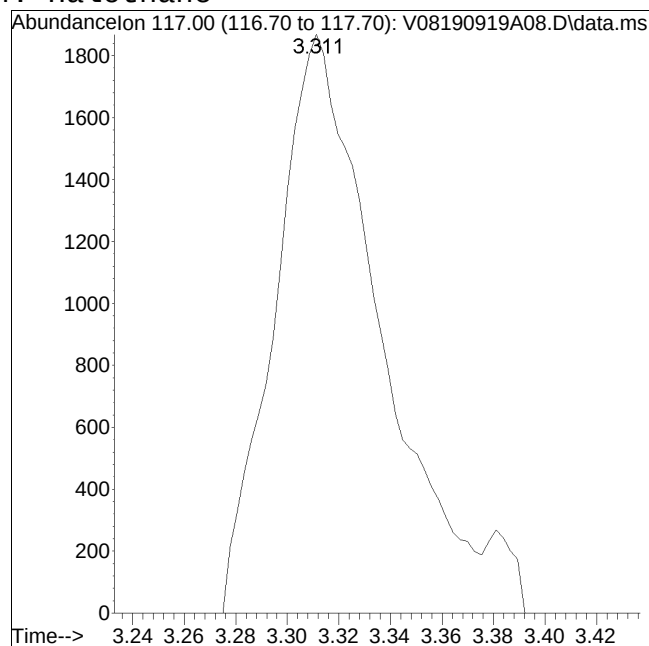
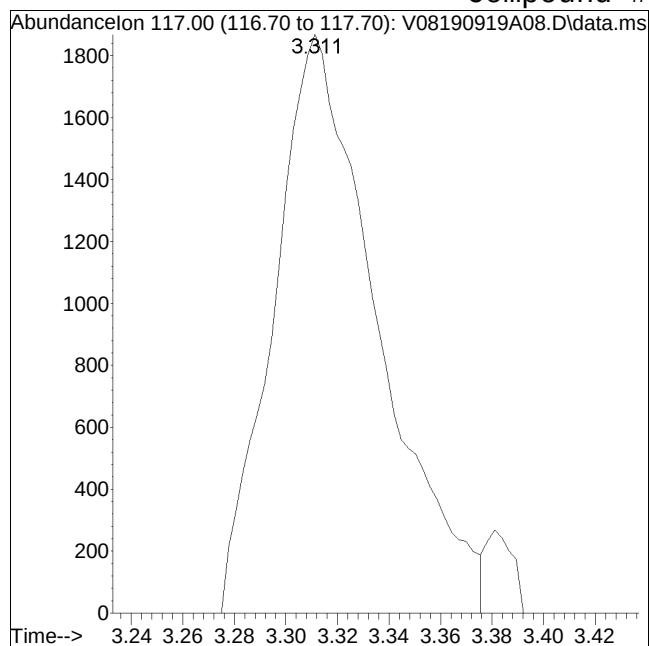


Manual Peak Response = 16909 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #24: Halothane



Original Peak Response = 5240

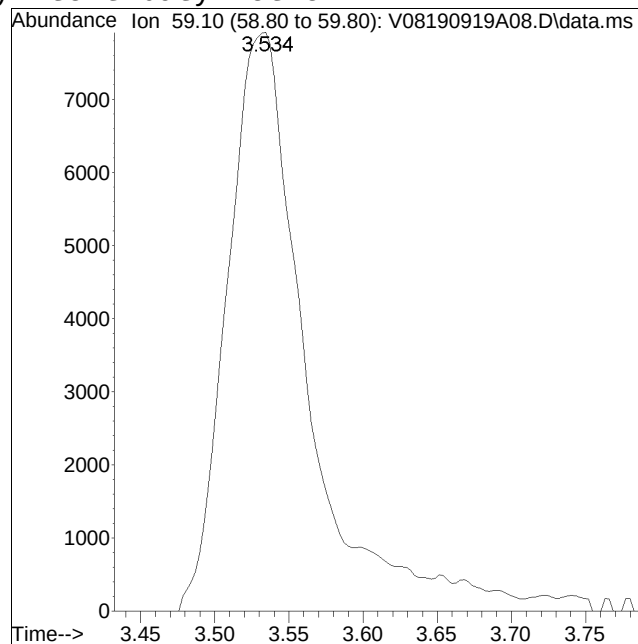
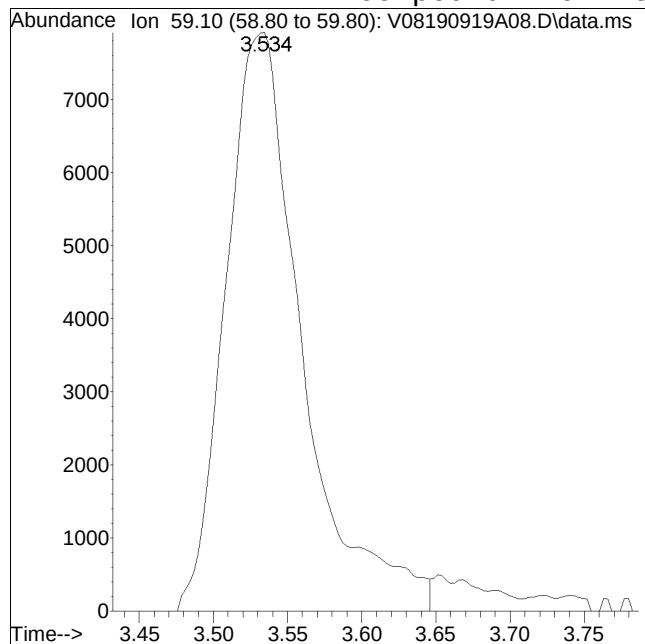
Manual Peak Response = 5427 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 28266

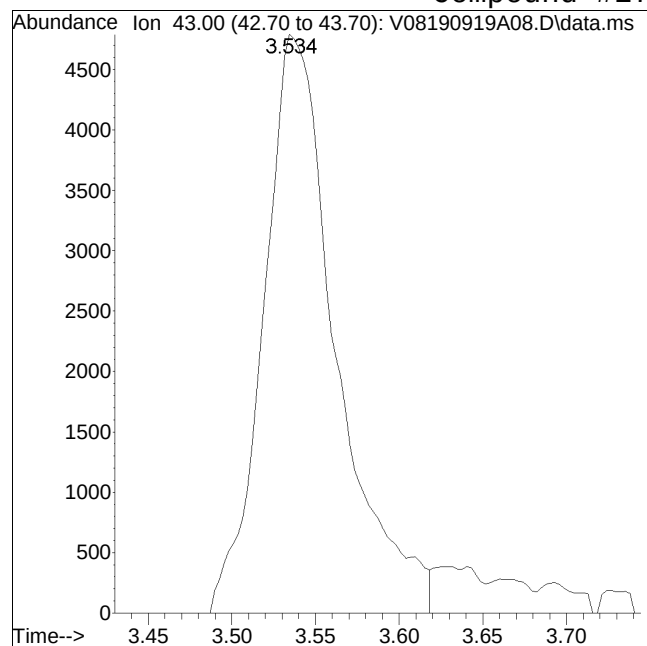
Manual Peak Response = 29995 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

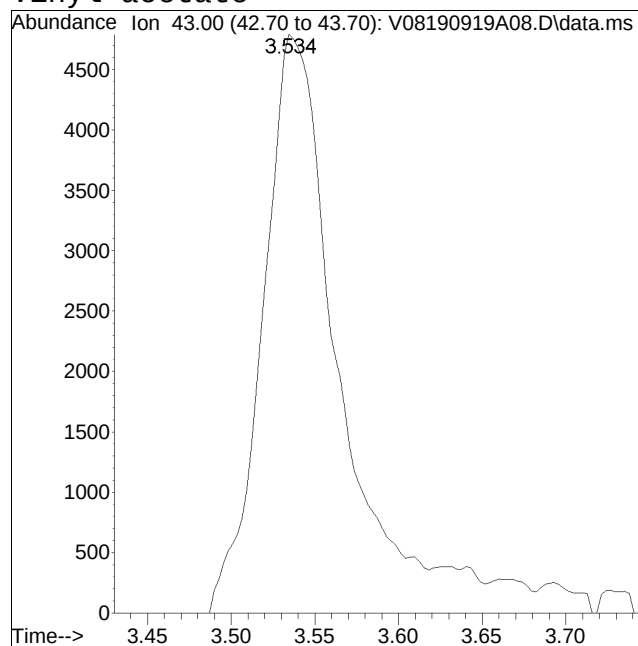
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #27: Vinyl acetate



Original Peak Response = 14381

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

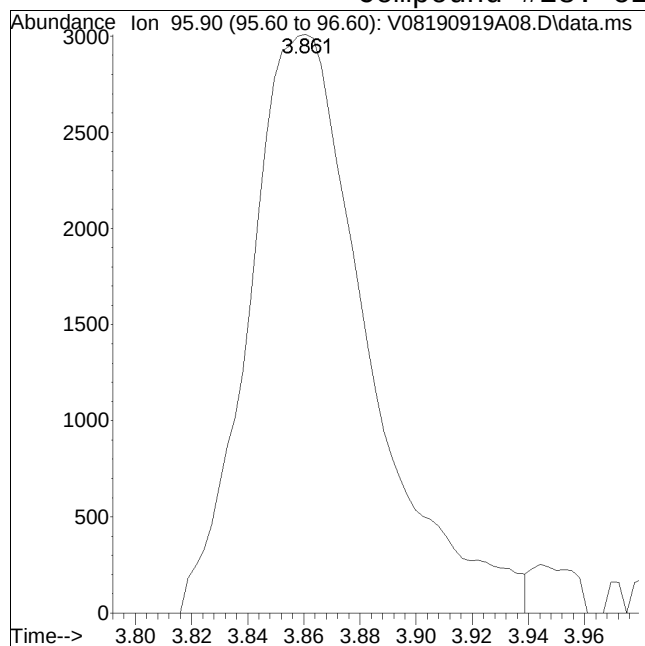


Manual Peak Response = 15918 M1

Manual Integration Report

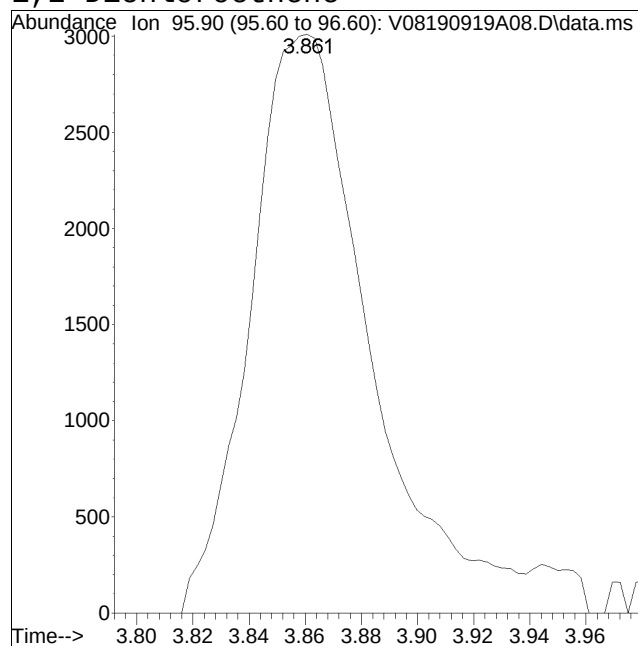
Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 8831

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

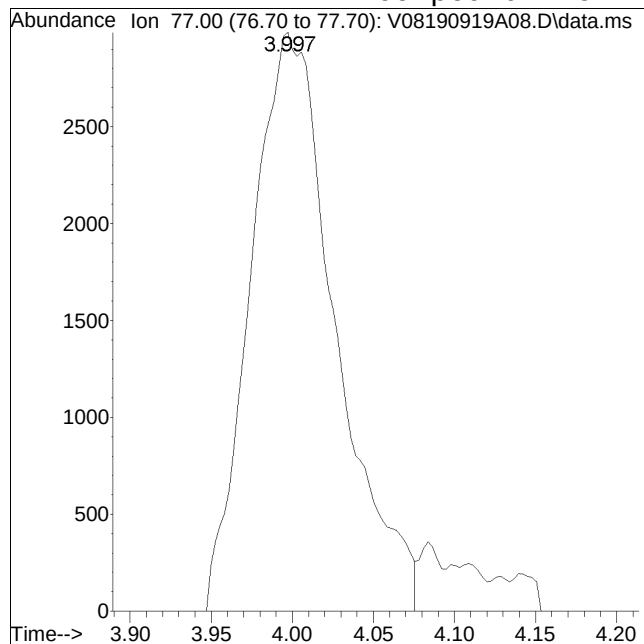


Manual Peak Response = 9096 M1

Manual Integration Report

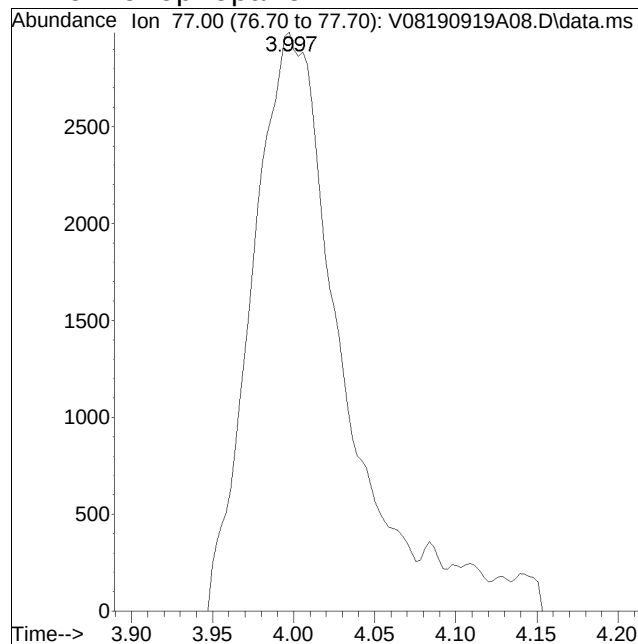
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #29: 2,2-Dichloropropane



Original Peak Response = 10826

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

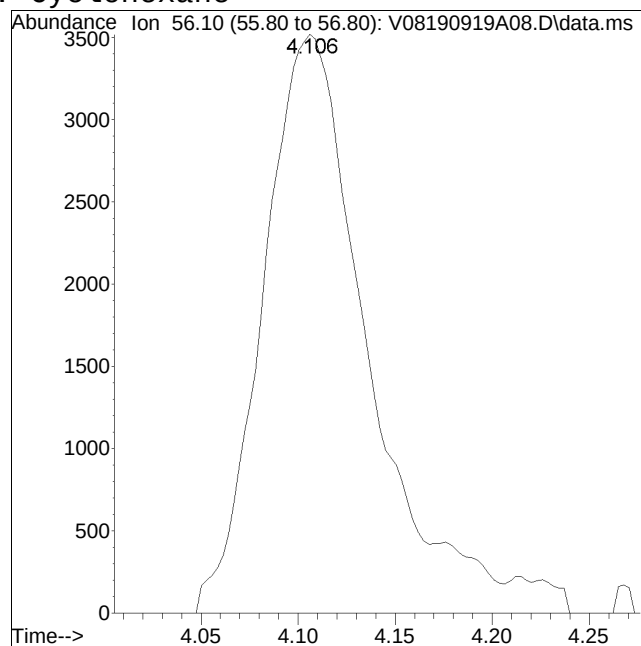
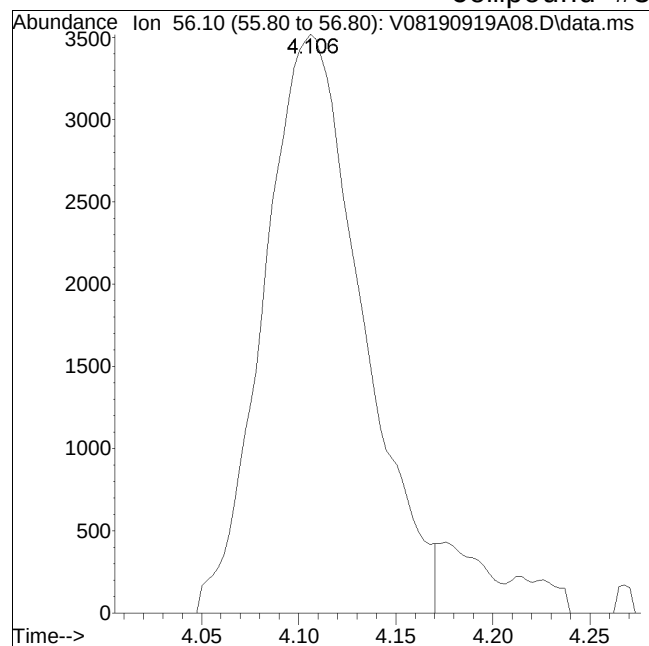


Manual Peak Response = 11800 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #31: Cyclohexane



Original Peak Response = 12296

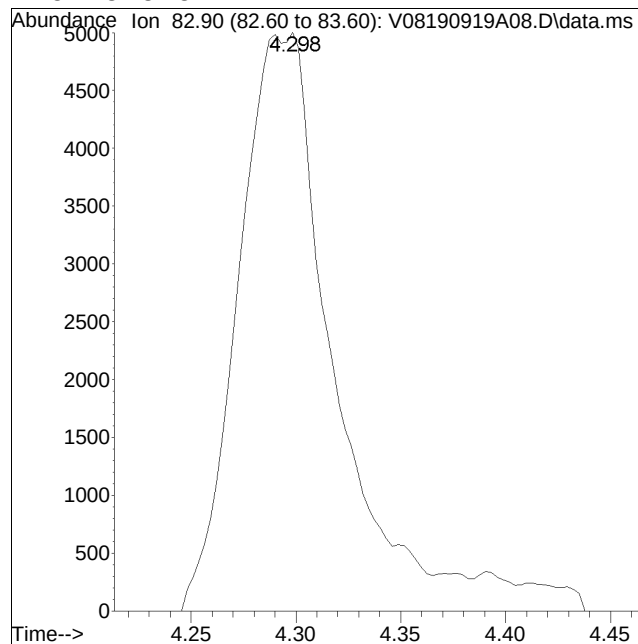
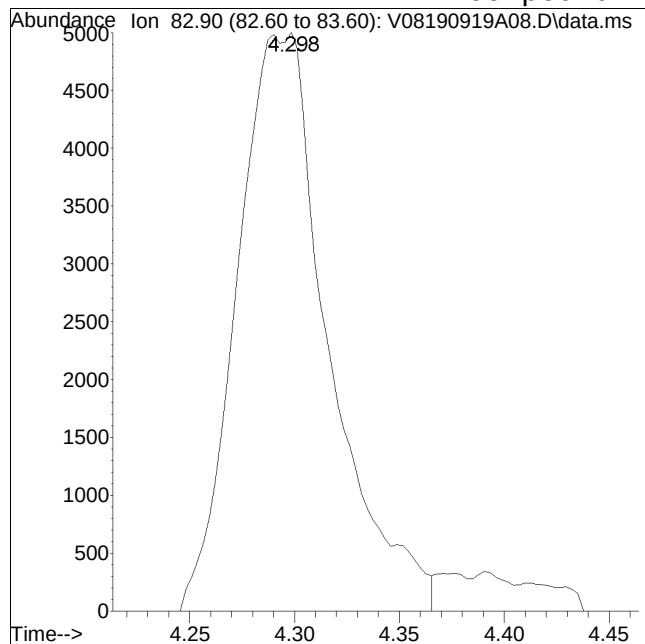
Manual Peak Response = 13330 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #32: Chloroform



Original Peak Response = 15116

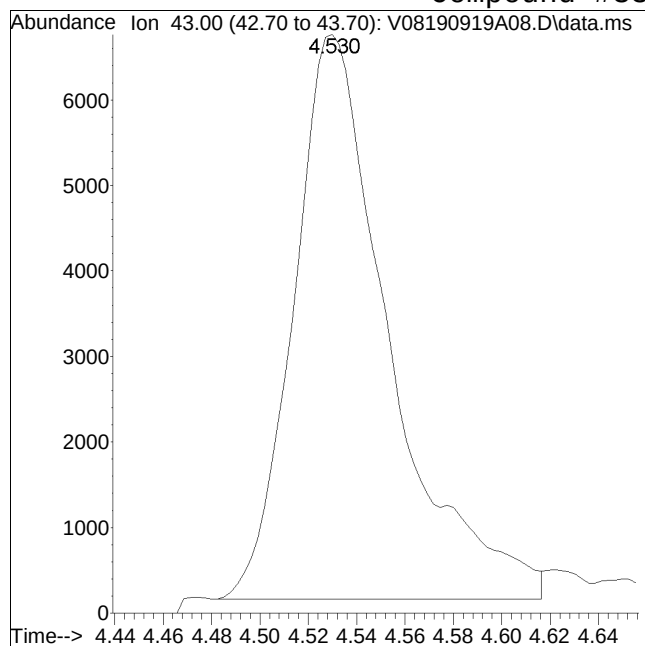
Manual Peak Response = 16212 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

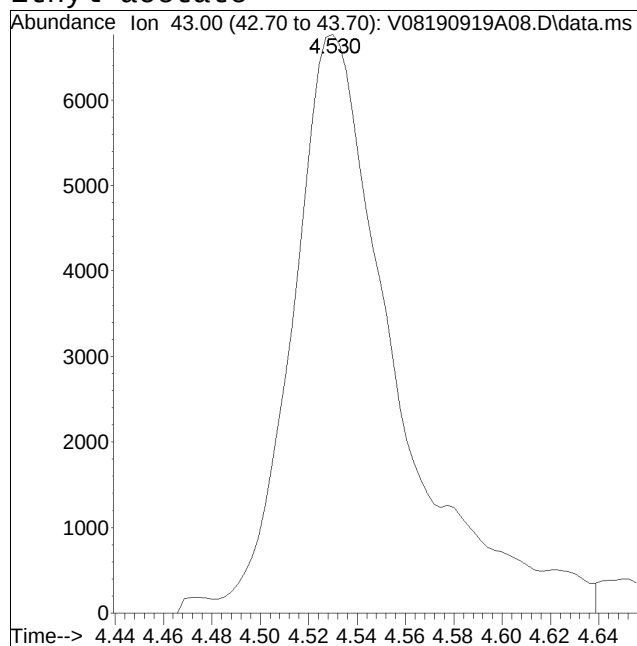
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #33: Ethyl acetate



Original Peak Response = 18090

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

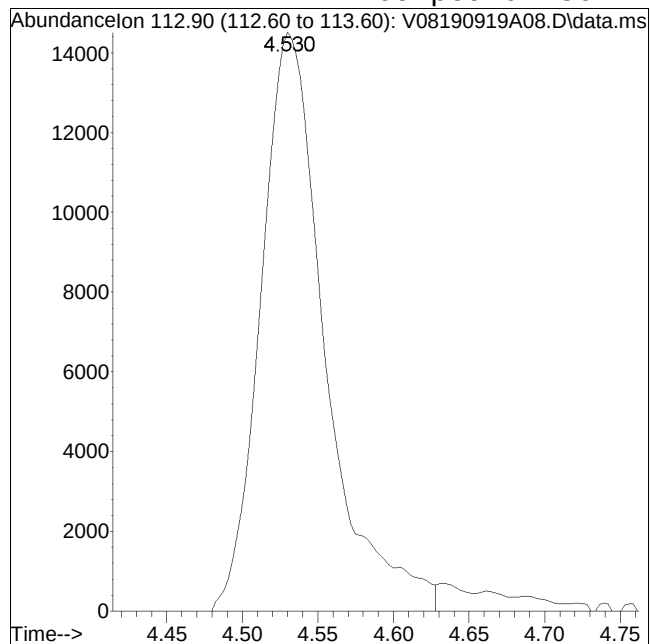


Manual Peak Response = 20178 M1

Manual Integration Report

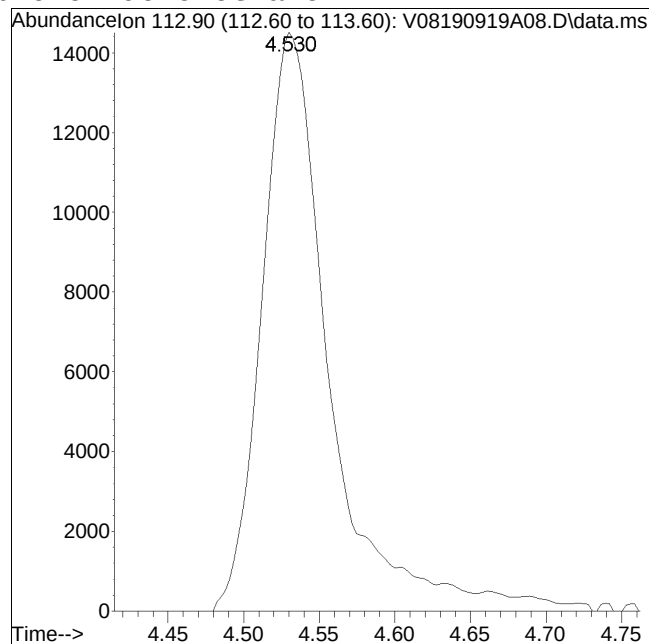
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #36: Dibromofluoromethane



Original Peak Response = 42868

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

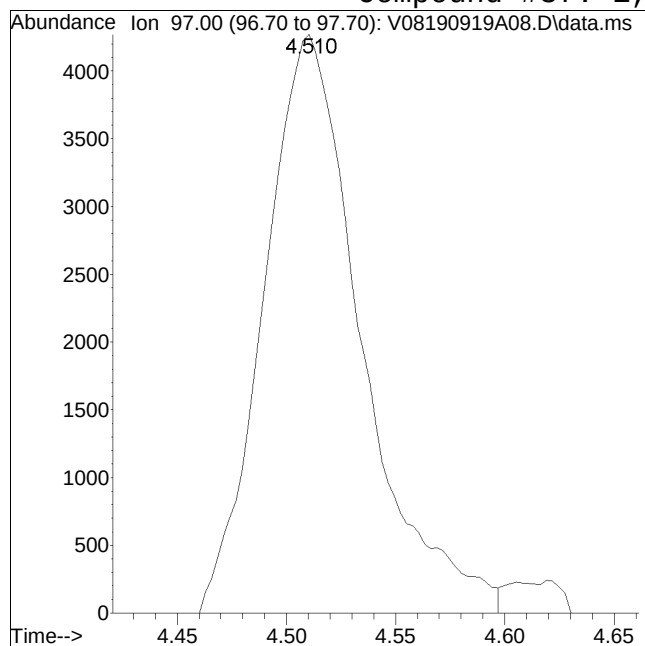


Manual Peak Response = 45170 M1

Manual Integration Report

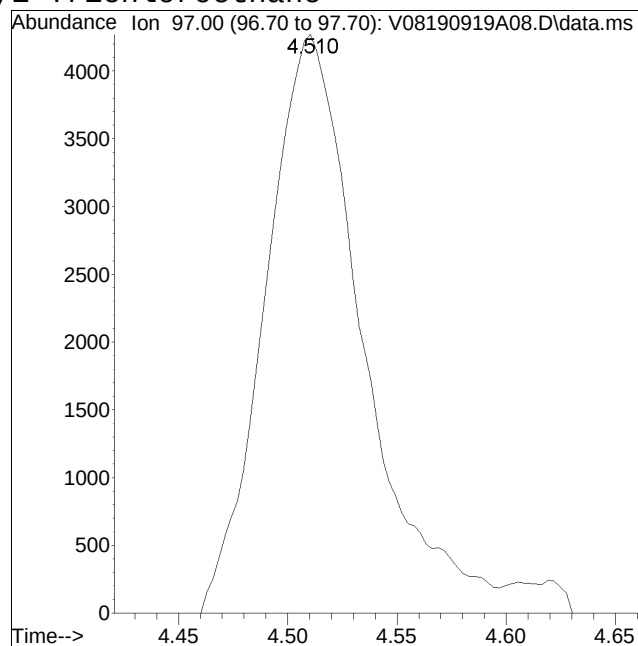
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #37: 1,1,1-Trichloroethane



Original Peak Response = 13204

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

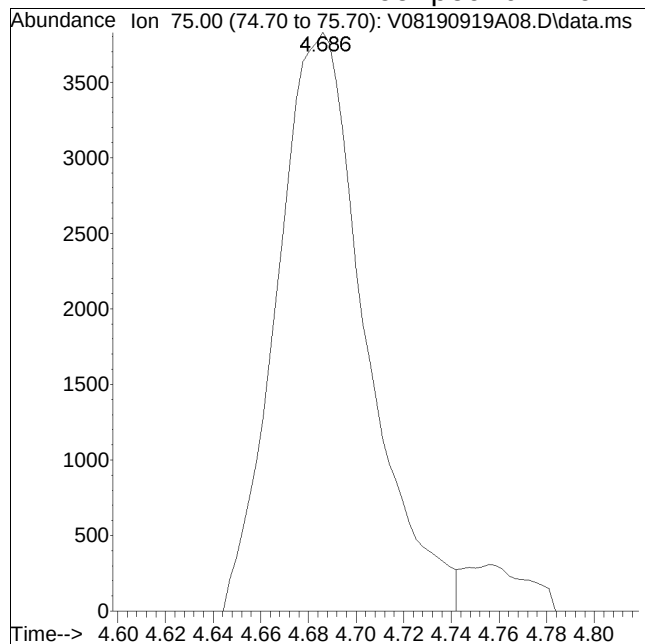


Manual Peak Response = 13595 M1

Manual Integration Report

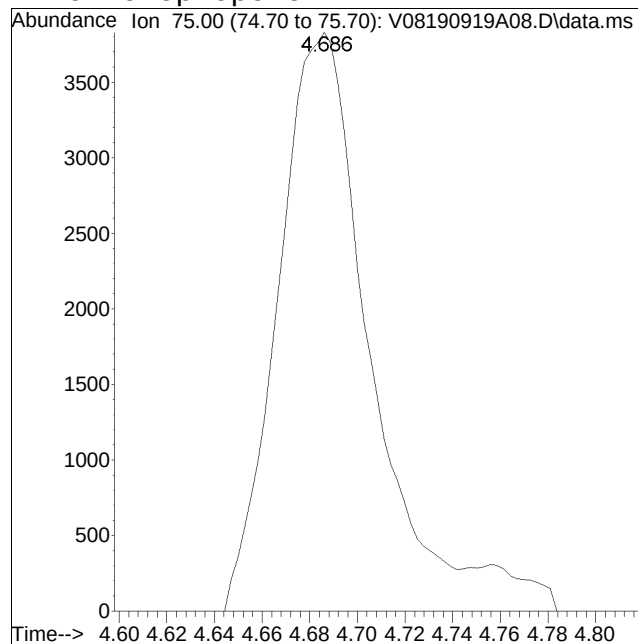
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #40: 1,1-Dichloropropene



Original Peak Response = 9865

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

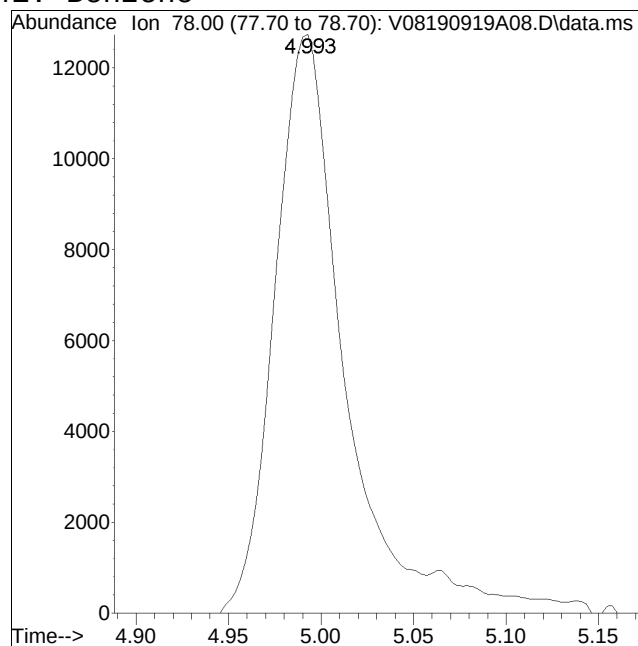
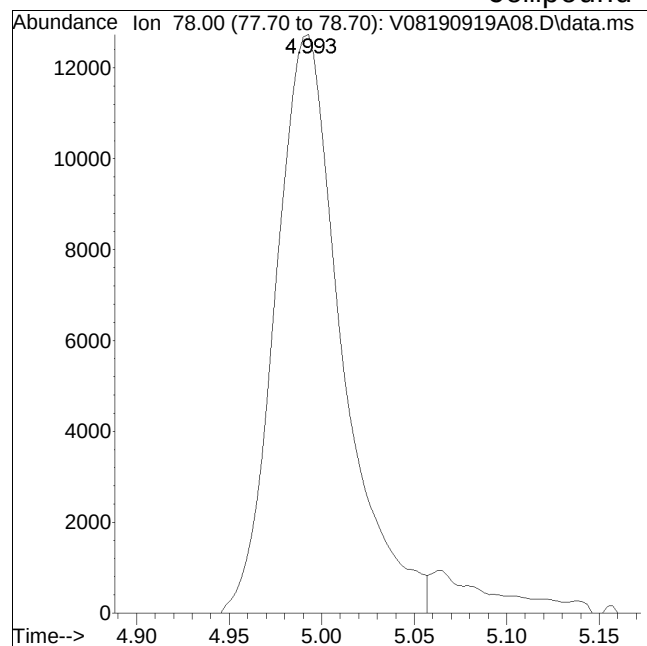


Manual Peak Response = 10434 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #41: Benzene



Original Peak Response = 31641

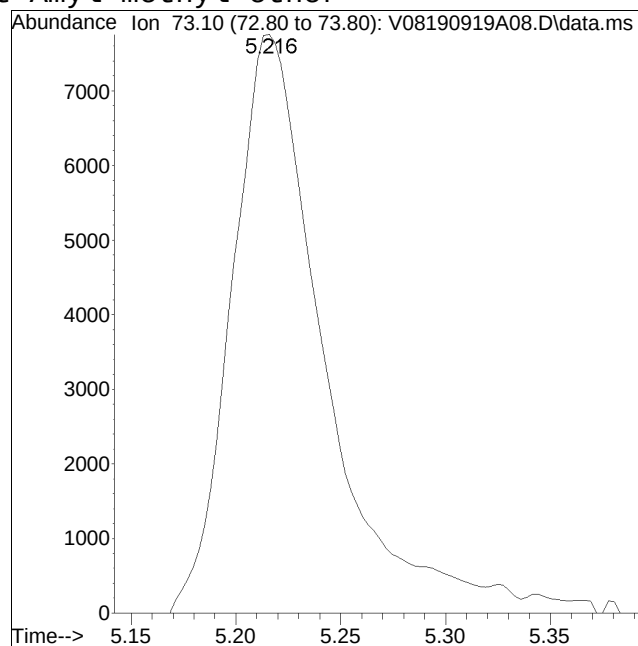
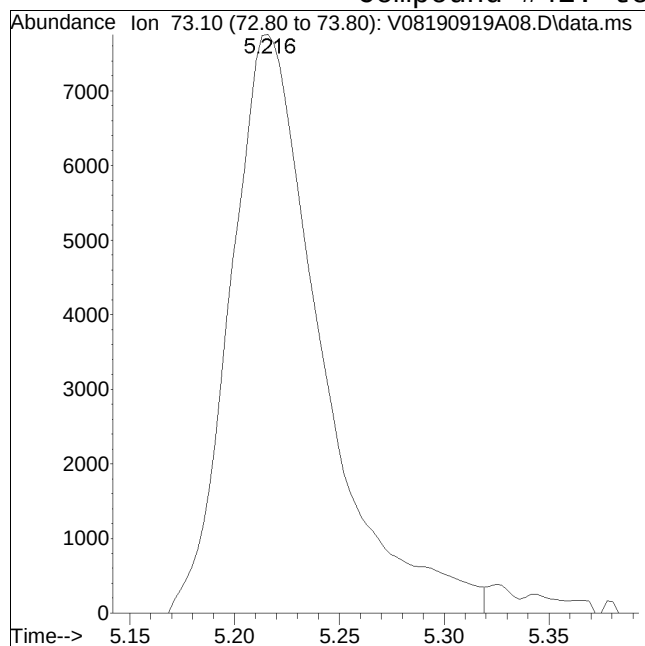
Manual Peak Response = 33967 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #42: tert-Amyl methyl ether



Original Peak Response = 23354

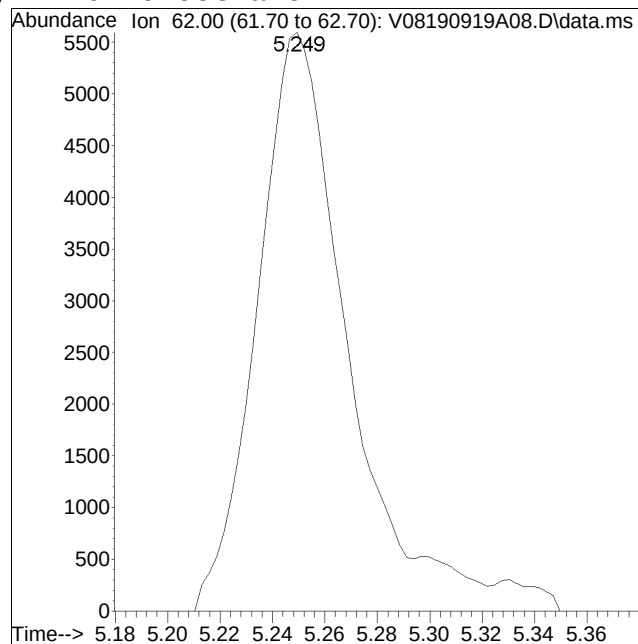
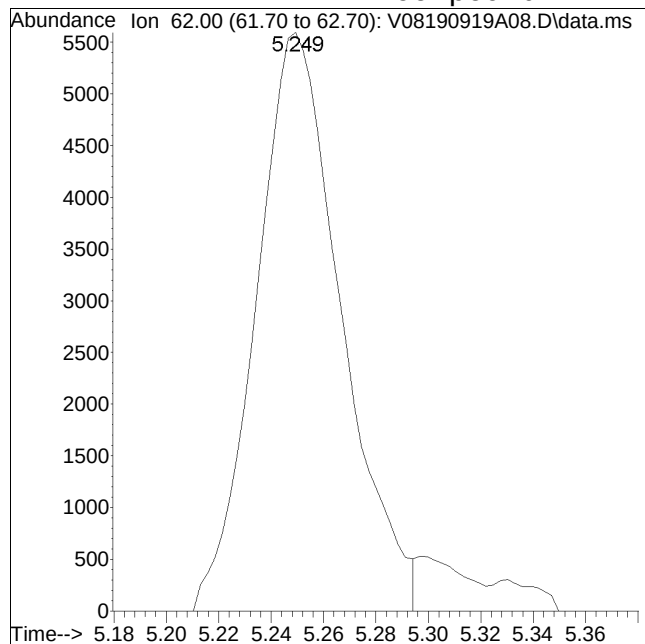
Manual Peak Response = 24050 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #44: 1,2-Dichloroethane



Original Peak Response = 12569

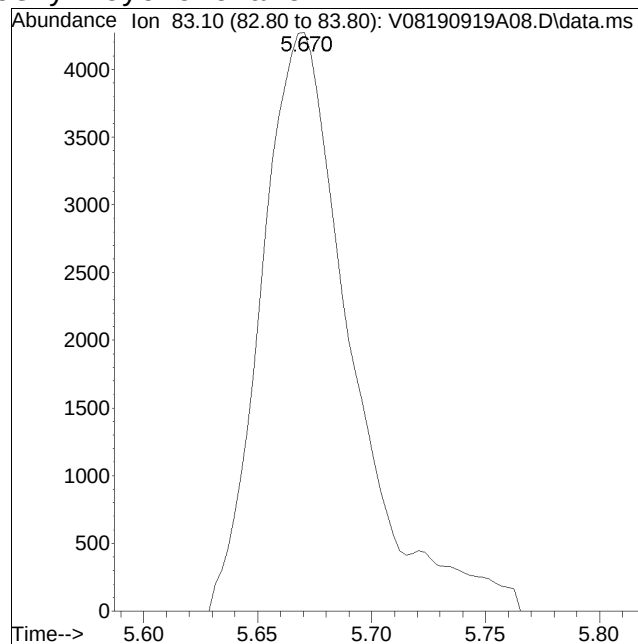
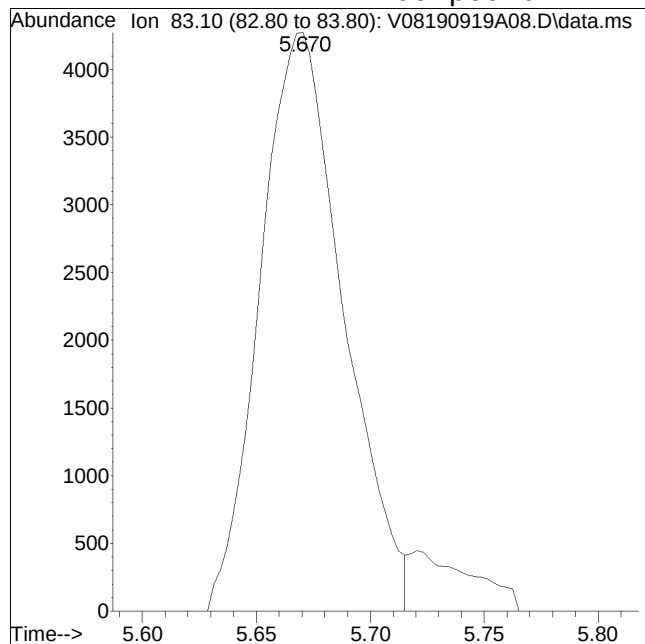
Manual Peak Response = 13597 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #47: Methyl cyclohexane



Original Peak Response = 10840

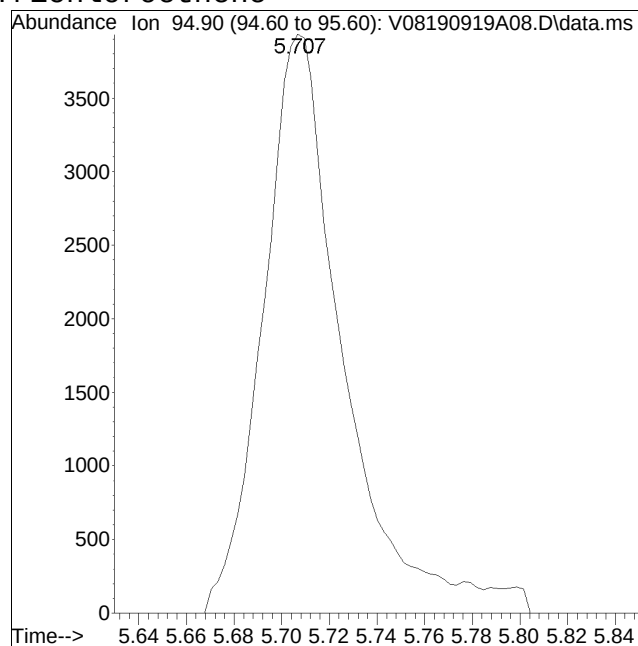
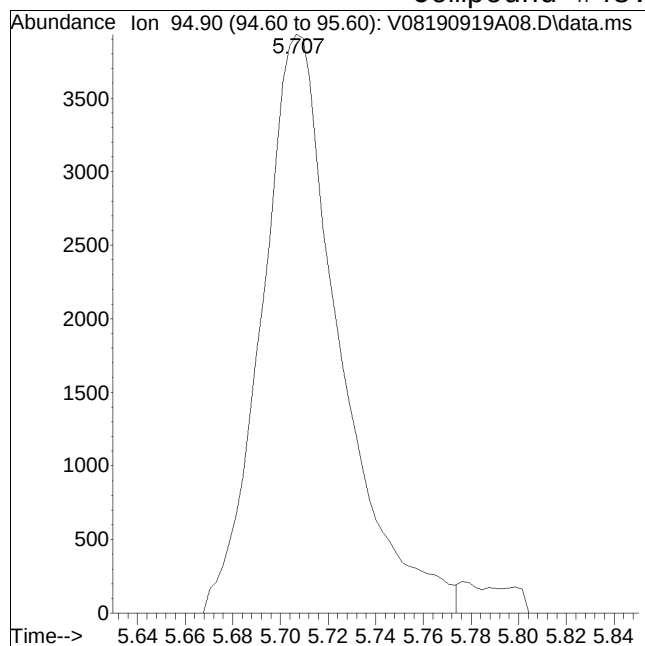
Manual Peak Response = 11679 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #48: Trichloroethene



Original Peak Response = 8893

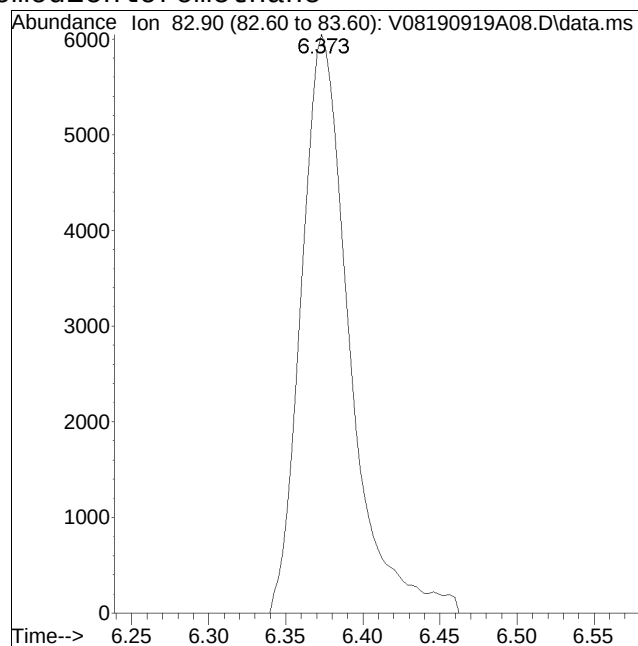
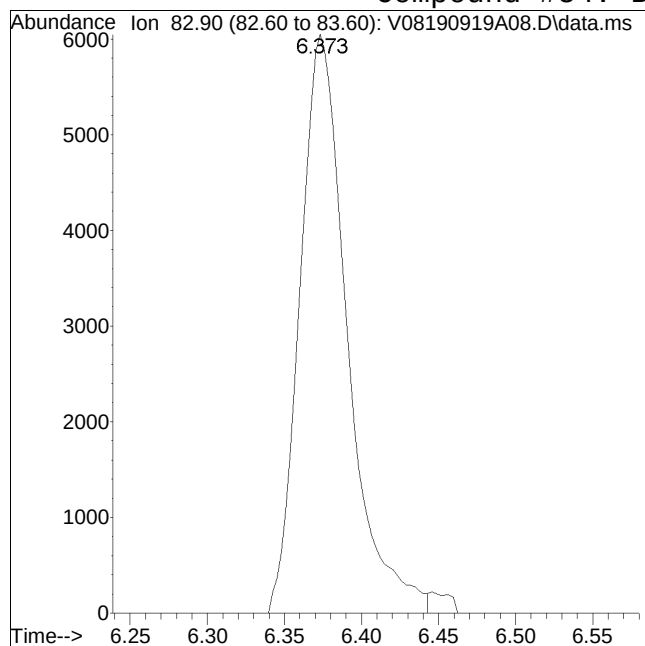
Manual Peak Response = 9190 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #54: Bromodichloromethane



Original Peak Response = 12904

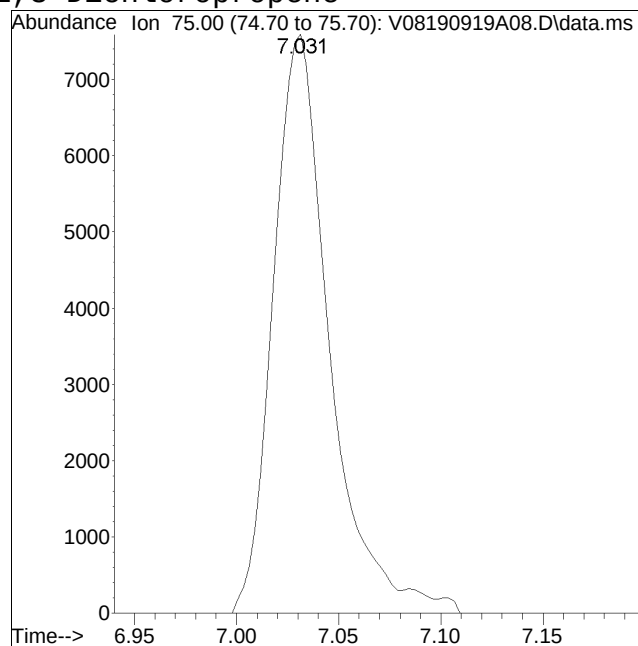
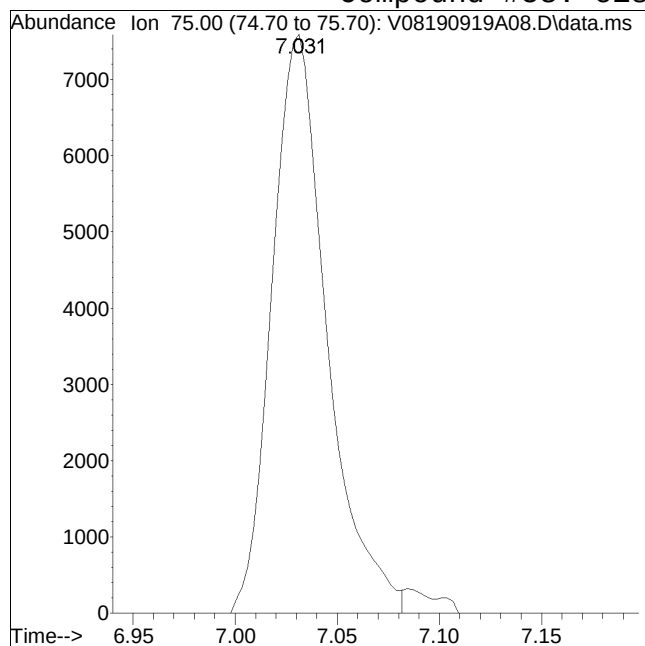
Manual Peak Response = 13097 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190919A08.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:16 am Instrument : VOA 108
Sample : I8260STDL2PPB Quant Date : 9/20/2019 10:30 am

Compound #58: cis-1,3-Dichloropropene



Original Peak Response = 14218

Manual Peak Response = 14562 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A09.D
 Acq On : 20 Sep 2019 3:38 am
 Operator : VOA108:PD
 Sample : I8260STD10PPB
 Misc : WG1286620,ICAL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 20 10:31:11 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.511	96	167206	10.000	ug/L	0.00
Standard Area 1 = 167206			Recovery	=	100.00%	
59) Chlorobenzene-d5	8.504	117	123908	10.000	ug/L	0.00
Standard Area 1 = 123908			Recovery	=	100.00%	
79) 1,4-Dichlorobenzene-d4	9.987	152	62238	10.000	ug/L	0.00
Standard Area 1 = 62238			Recovery	=	100.00%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.533	113	42825	10.136	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.36%	
43) 1,2-Dichloroethane-d4	5.168	65	59752M1	11.324	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	113.24%	
60) Toluene-d8	7.207	98	165599	10.023	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.23%	
83) 4-Bromofluorobenzene	9.321	95	61541	9.875	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.75%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.963	85	41112	10.139	ug/L	100
3) Chloromethane	1.083	50	46378	9.809	ug/L	100
4) Vinyl chloride	1.139	62	50007	10.143	ug/L	95
5) Bromomethane	1.342	94	35295	9.989	ug/L	97
6) Chloroethane	1.426	64	33644	10.506	ug/L	98
7) Trichlorofluoromethane	1.524	101	70413	10.386	ug/L	98
8) Ethyl ether	1.761	74	19156	9.553	ug/L	70
10) 1,1-Dichloroethene	1.892	96	35281	10.000	ug/L	# 74
11) Carbon disulfide	1.897	76	108542	9.735	ug/L	96
12) Freon-113	1.936	101	38486M1	10.869	ug/L	
13) Iodomethane	1.992	142	31314M1	8.677	ug/L	
14) Acrolein	2.168	56	5297	9.892	ug/L	89
15) Methylene chloride	2.377	84	39672	9.469	ug/L	76
17) Acetone	2.433	43	8766M1	10.130	ug/L	
18) trans-1,2-Dichloroethene	2.528	96	37971	9.893	ug/L	81
19) Methyl acetate	2.567	43	19133	9.712	ug/L	# 91
20) Methyl tert-butyl ether	2.653	73	93121	8.841	ug/L	98
21) tert-Butyl alcohol	2.795	59	14570M1	50.043	ug/L	
22) Diisopropyl ether	3.083	45	132220M1	9.457	ug/L	
23) 1,1-Dichloroethane	3.169	63	79431M1	9.987	ug/L	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A09.D
 Acq On : 20 Sep 2019 3:38 am
 Operator : VOA108:PD
 Sample : I8260STD10PPB
 Misc : WG1286620,ICAL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 20 10:31:11 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Halothane	3.314	117	30844M1	10.682	ug/L	
25) Acrylonitrile	3.233	53	11019M1	10.335	ug/L	
26) Ethyl tert-butyl ether	3.526	59	131949M1	9.480	ug/L	
27) Vinyl acetate	3.534	43	85676M1	10.130	ug/L	
28) cis-1,2-Dichloroethene	3.858	96	39938	9.168	ug/L	# 80
29) 2,2-Dichloropropane	3.997	77	60100M1	10.049	ug/L	
30) Bromochloromethane	4.131	128	19848M1	10.025	ug/L	
31) Cyclohexane	4.103	56	74628M1	10.427	ug/L	
32) Chloroform	4.290	83	76854	9.886	ug/L	95
33) Ethyl acetate	4.527	43	44694M1	9.771	ug/L	
34) Carbon tetrachloride	4.413	117	54630	9.991	ug/L	98
35) Tetrahydrofuran	4.474	42	7210	9.408	ug/L	# 64
37) 1,1,1-Trichloroethane	4.510	97	70441M1	10.257	ug/L	
39) 2-Butanone	4.720	43	11241	8.670	ug/L	95
40) 1,1-Dichloropropene	4.683	75	56506M1	10.300	ug/L	
41) Benzene	4.990	78	160551	9.417	ug/L	92
42) tert-Amyl methyl ether	5.213	73	108433M1	9.415	ug/L	
44) 1,2-Dichloroethane	5.249	62	61973M1	9.761	ug/L	
47) Methyl cyclohexane	5.668	83	68338M1	10.129	ug/L	
48) Trichloroethene	5.707	95	43656M1	9.495	ug/L	
50) Dibromomethane	6.153	93	24838	9.617	ug/L	99
51) 1,2-Dichloropropane	6.264	63	43914	9.688	ug/L	98
53) 2-Chloroethyl vinyl ether	7.017	63	25983	9.327	ug/L	95
54) Bromodichloromethane	6.373	83	60499	9.605	ug/L	97
57) 1,4-Dioxane	6.593	88	11611	522.336	ug/L	# 79
58) cis-1,3-Dichloropropene	7.029	75	67011	9.426	ug/L	97
61) Toluene	7.257	92	104492	9.565	ug/L	96
62) 4-Methyl-2-pentanone	7.662	58	12351	9.102	ug/L	# 89
63) Tetrachloroethene	7.611	166	45361	9.839	ug/L	93
65) trans-1,3-Dichloropropene	7.681	75	57900	9.207	ug/L	100
67) Ethyl methacrylate	7.865	69	42867	9.336	ug/L	99
68) 1,1,2-Trichloroethane	7.809	83	28696	9.372	ug/L	93
69) Chlorodibromomethane	7.946	129	41870	9.401	ug/L	97
70) 1,3-Dichloropropane	8.021	76	58284	9.204	ug/L	99
71) 1,2-Dibromoethane	8.102	107	33060	9.257	ug/L	98
72) 2-Hexanone	8.342	43	21411	9.237	ug/L	97
73) Chlorobenzene	8.515	112	114837	9.527	ug/L	91
74) Ethylbenzene	8.554	91	202484	9.695	ug/L	100
75) 1,1,1,2-Tetrachloroethane	8.573	131	41018	9.315	ug/L	94
76) p/m Xylene	8.660	106	154491	19.495	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A09.D
 Acq On : 20 Sep 2019 3:38 am
 Operator : VOA108:PD
 Sample : I8260STD10PPB
 Misc : WG1286620,ICAL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 20 10:31:11 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) o Xylene	8.944	106	147127	19.318	ug/L	92
78) Styrene	8.981	104	241115	19.071	ug/L	91
80) Bromoform	8.986	173	24754	8.782	ug/L	96
82) Isopropylbenzene	9.153	105	200418	9.536	ug/L	97
84) Bromobenzene	9.377	156	45544	8.914	ug/L	99
85) n-Propylbenzene	9.410	91	227643	9.368	ug/L	97
86) 1,4-Dichlorobutane	9.418	55	57812	9.019	ug/L	98
87) 1,1,2,2-Tetrachloroethane	9.463	83	39229	8.848	ug/L	99
88) 4-Ethyltoluene	9.480	105	181997	9.421	ug/L	98
89) 2-Chlorotoluene	9.494	91	154110	9.289	ug/L	97
90) 1,3,5-Trimethylbenzene	9.535	105	157340	9.305	ug/L	92
91) 1,2,3-Trichloropropane	9.533	75	32198	9.583	ug/L	98
92) trans-1,4-Dichloro-2-b...	9.566	53	10731M1	9.362	ug/L	
93) 4-Chlorotoluene	9.597	91	137317	9.166	ug/L	96
94) tert-Butylbenzene	9.722	119	162669	9.599	ug/L	94
95) Pentachloroethane	9.731	167	31172	9.868	ug/L	96
97) 1,2,4-Trimethylbenzene	9.764	105	157491	9.383	ug/L	95
98) sec-Butylbenzene	9.826	105	193793	9.691	ug/L	100
99) p-Isopropyltoluene	9.912	119	169733	9.510	ug/L	96
100) 1,3-Dichlorobenzene	9.943	146	87609	9.268	ug/L	98
101) 1,4-Dichlorobenzene	9.996	146	89764	9.232	ug/L	100
102) p-Diethylbenzene	10.121	119	93914	9.211	ug/L	95
103) n-Butylbenzene	10.155	91	153683	9.363	ug/L	98
104) 1,2-Dichlorobenzene	10.235	146	82336	9.177	ug/L	99
105) 1,2,4,5-Tetramethylben...	10.578	119	140163	9.056	ug/L	98
106) 1,2-Dibromo-3-chloropr...	10.690	155	5746	9.090	ug/L	90
107) 1,3,5-Trichlorobenzene	10.707	180	57295	8.619	ug/L	96
108) Hexachlorobutadiene	11.053	225	26620	9.085	ug/L	97
109) 1,2,4-Trichlorobenzene	11.066	180	54354	8.582	ug/L	99
110) Naphthalene	11.248	128	116130	8.559	ug/L	100
111) 1,2,3-Trichlorobenzene	11.348	180	49560	8.609	ug/L	99

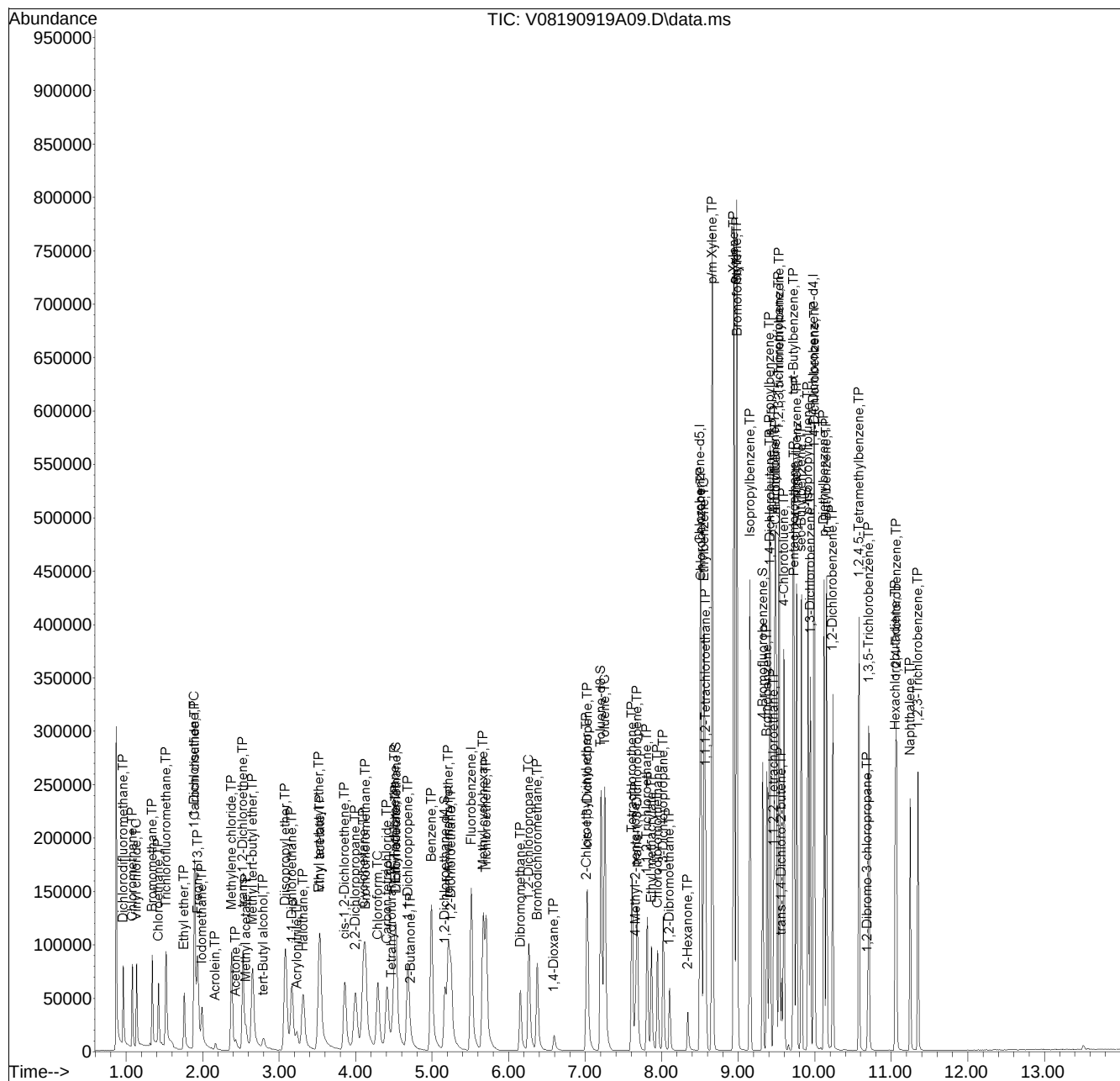
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
Data File : V08190919A09.D
Acq On : 20 Sep 2019 3:38 am
Operator : VOA108:PD
Sample : I8260STDL10PPB
Misc : WG1286620,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 20 10:31:11 2019
Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 20 10:28:56 2019
Response via : Initial Calibration

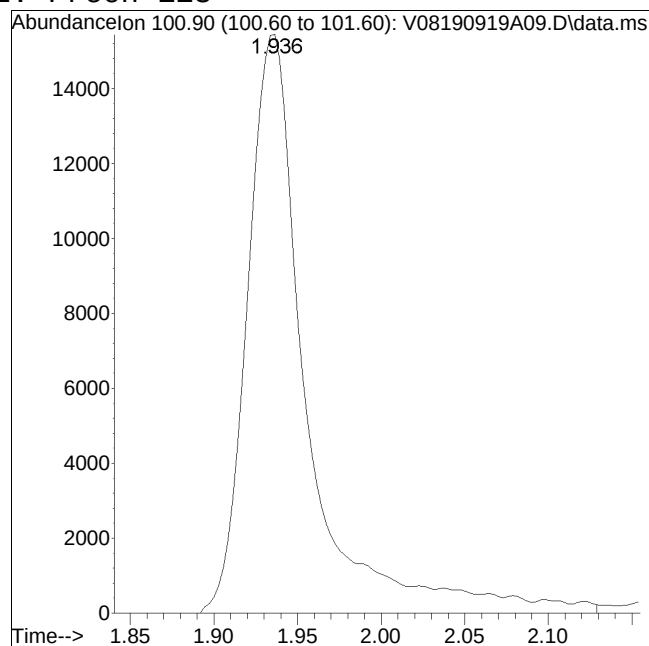
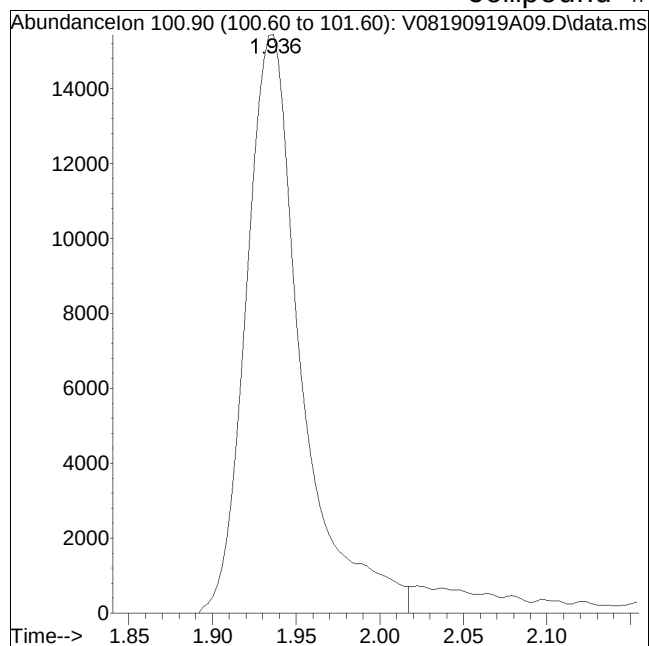
Sub List : 8260-CurvePenta - All compounds listed8190919A09.D•



Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190919A09.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:38 am Instrument : VOA 108
Sample : I8260STDL10PPB Quant Date : 9/20/2019 10:31 am

Compound #12: Freon-113



Original Peak Response = 35424

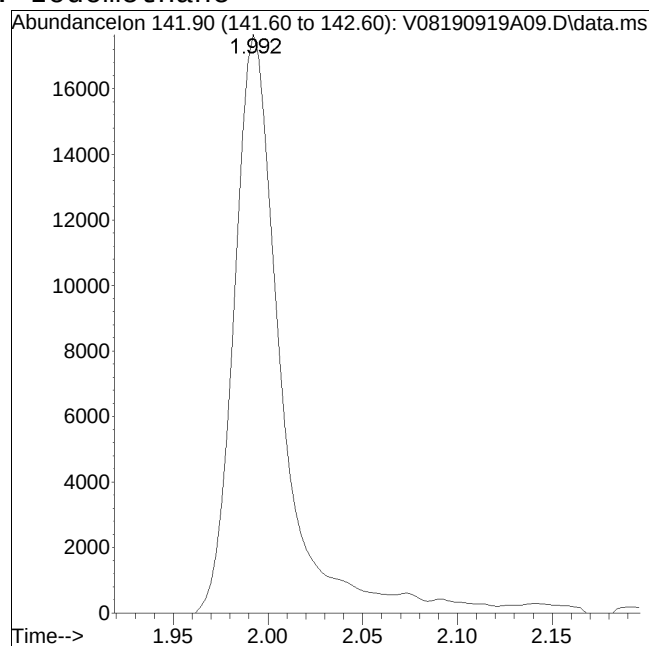
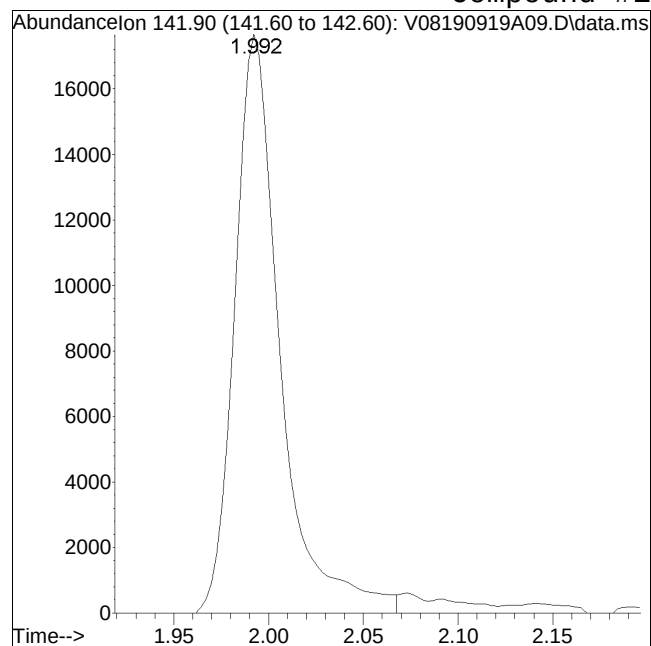
Manual Peak Response = 38486 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A09.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:38 am Instrument : VOA 108
Sample : I8260STDL10PPB Quant Date : 9/20/2019 10:31 am

Compound #13: Iodomethane



Original Peak Response = 29468

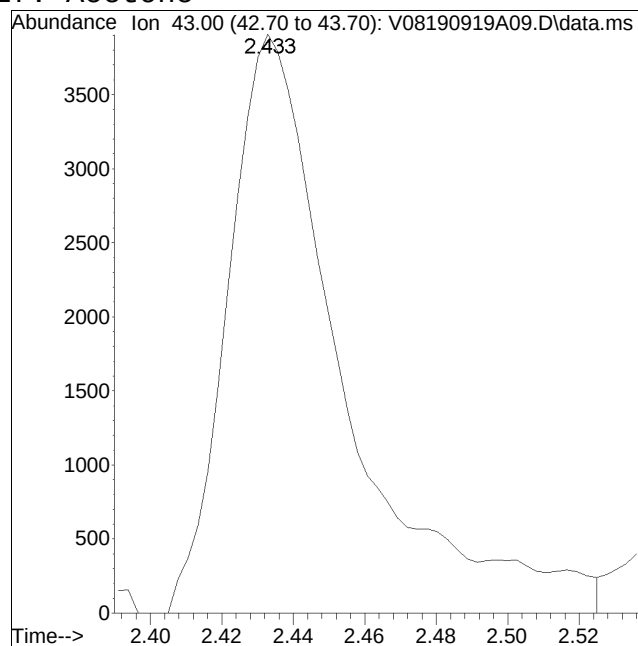
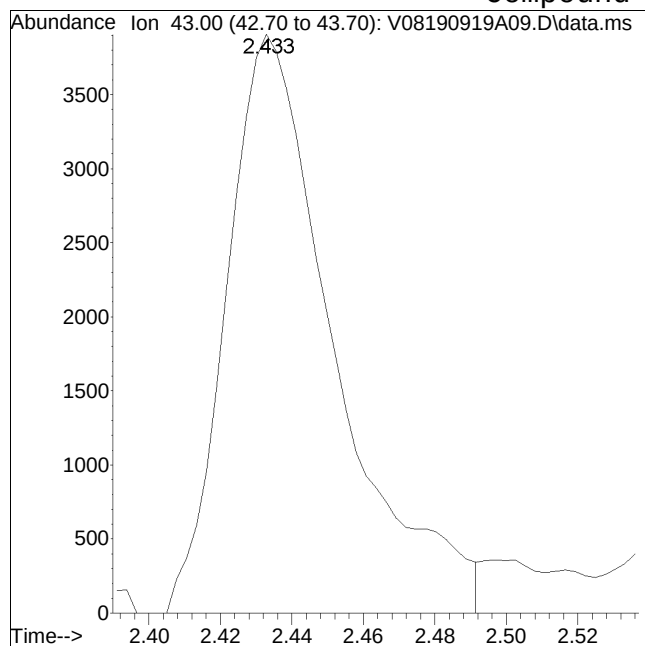
Manual Peak Response = 31314 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A09.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:38 am Instrument : VOA 108
Sample : I8260STDL10PPB Quant Date : 9/20/2019 10:31 am

Compound #17: Acetone



Original Peak Response = 8158

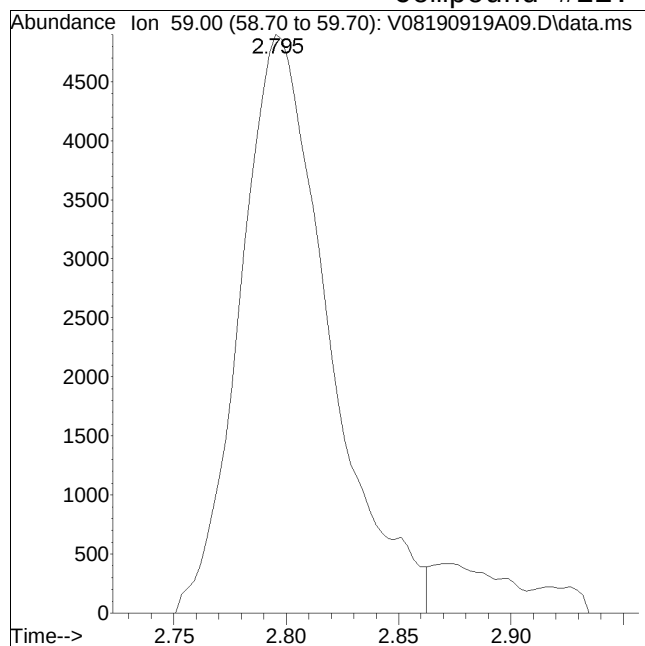
Manual Peak Response = 8766 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

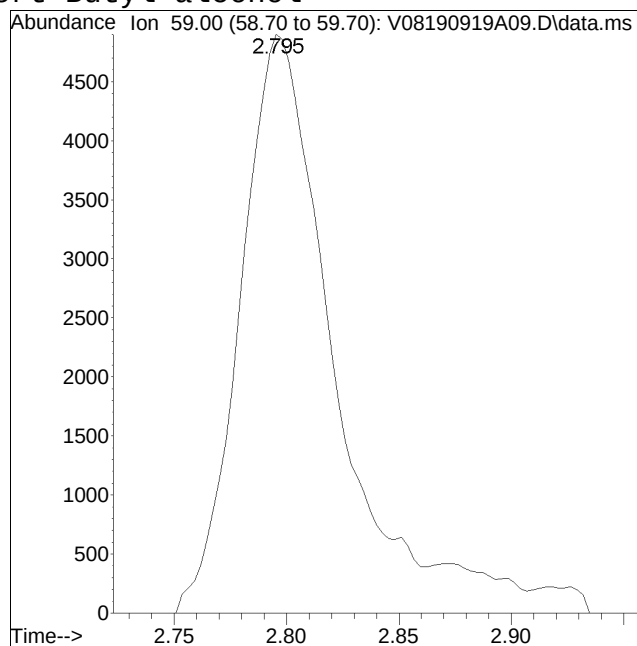
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A09.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:38 am Instrument : VOA 108
Sample : I8260STDL10PPB Quant Date : 9/20/2019 10:31 am

Compound #21: tert-Butyl alcohol



Original Peak Response = 13369

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

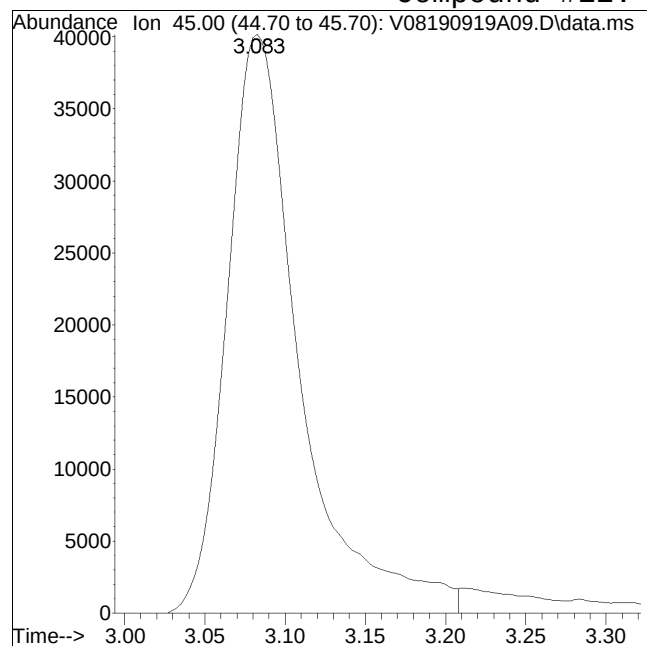


Manual Peak Response = 14570 M1

Manual Integration Report

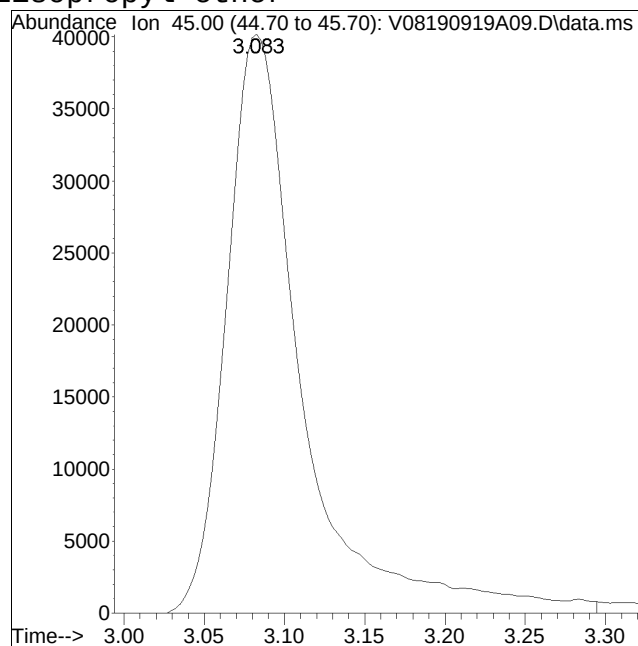
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A09.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:38 am Instrument : VOA 108
Sample : I8260STDL10PPB Quant Date : 9/20/2019 10:31 am

Compound #22: Diisopropyl ether



Original Peak Response = 126142

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

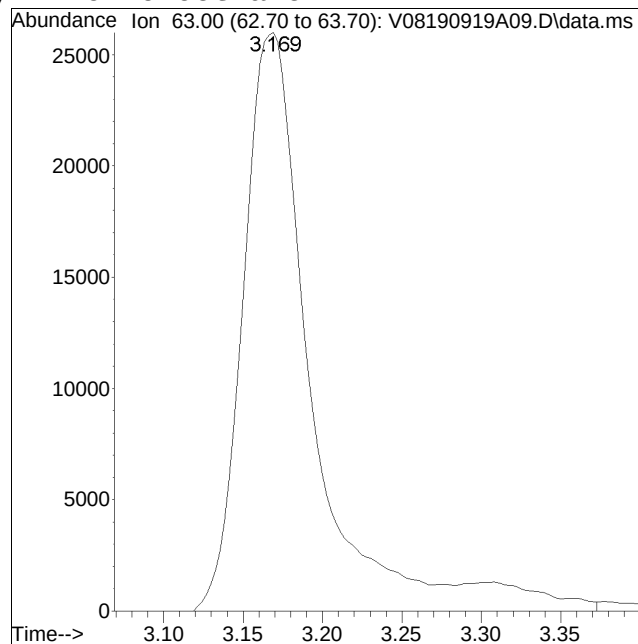
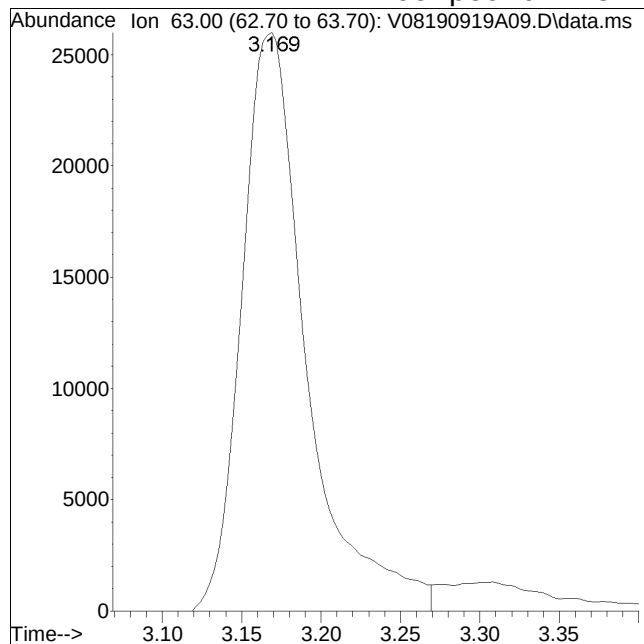


Manual Peak Response = 132220 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A09.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:38 am Instrument : VOA 108
Sample : I8260STDL10PPB Quant Date : 9/20/2019 10:31 am

Compound #23: 1,1-Dichloroethane



Original Peak Response = 73556

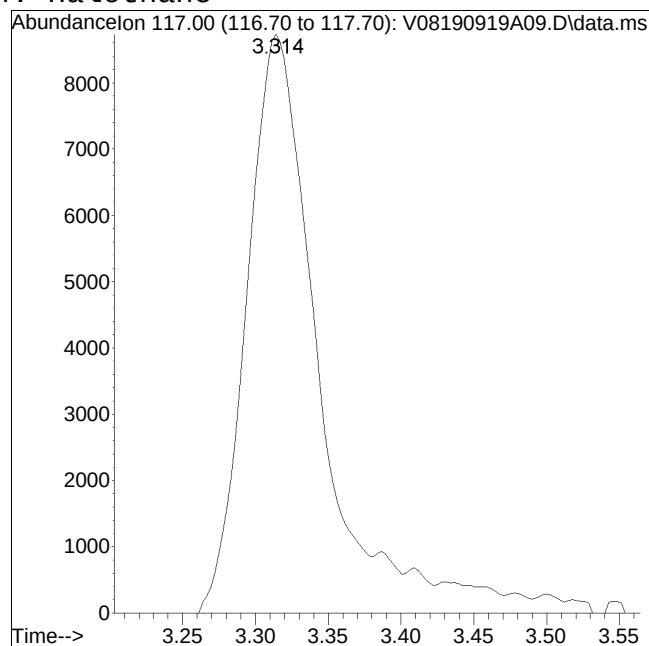
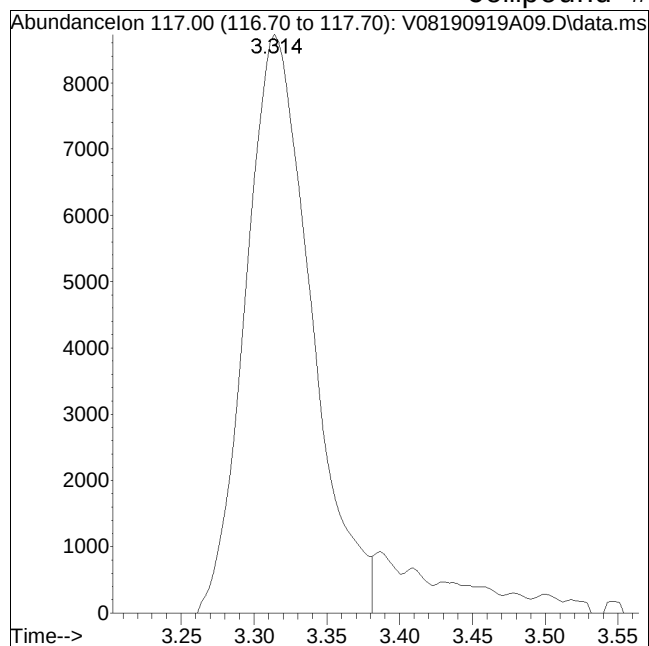
Manual Peak Response = 79431 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A09.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:38 am Instrument : VOA 108
Sample : I8260STD10PPB Quant Date : 9/20/2019 10:31 am

Compound #24: Halothane



Original Peak Response = 27217

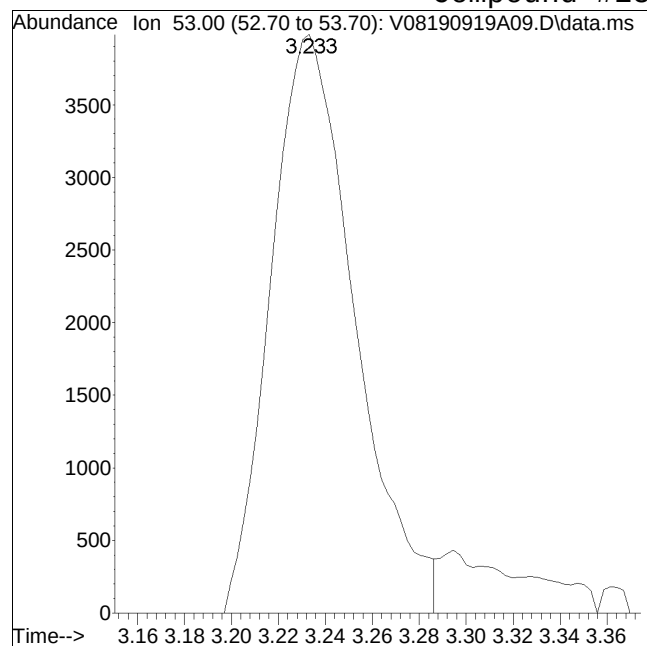
Manual Peak Response = 30844 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

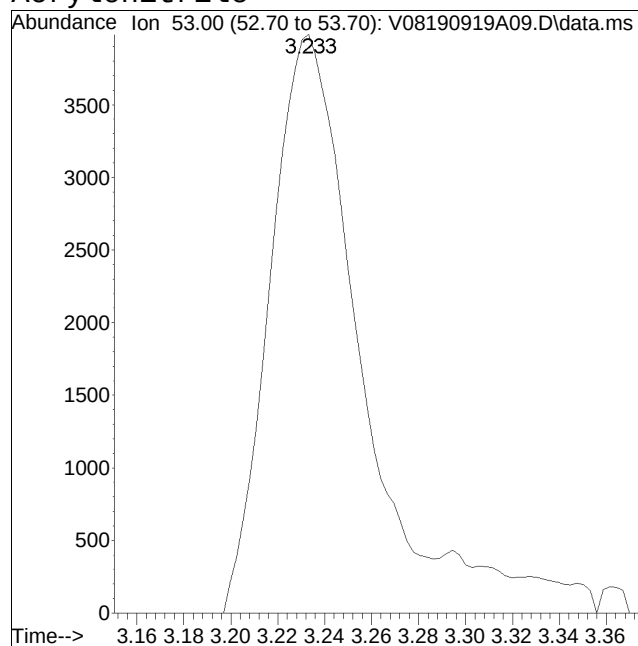
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A09.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:38 am Instrument : VOA 108
Sample : I8260STDL10PPB Quant Date : 9/20/2019 10:31 am

Compound #25: Acrylonitrile



Original Peak Response = 9910

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

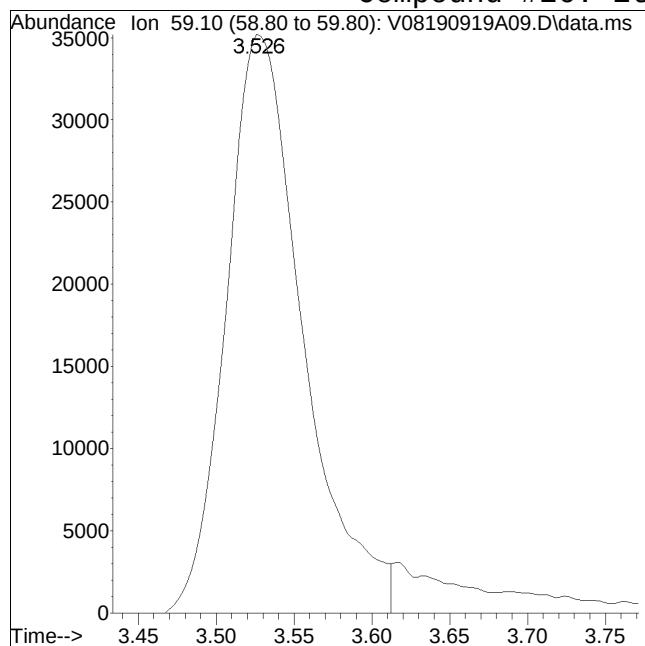


Manual Peak Response = 11019 M1

Manual Integration Report

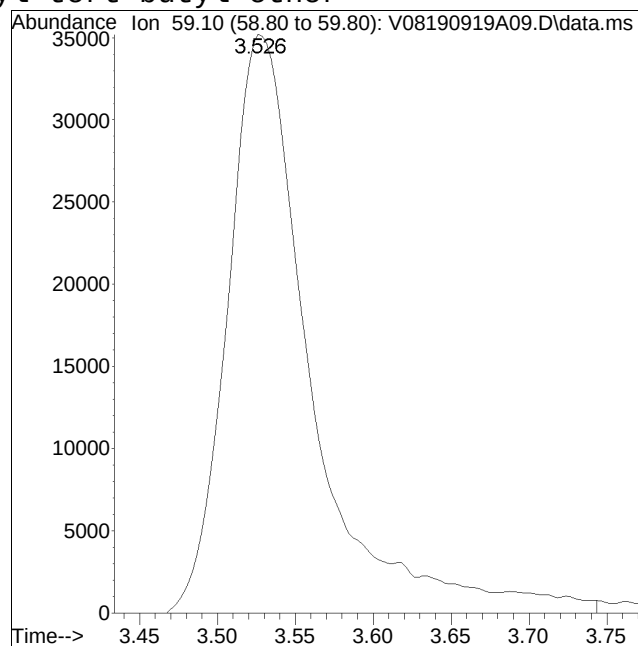
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A09.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:38 am Instrument : VOA 108
Sample : I8260STD10PPB Quant Date : 9/20/2019 10:31 am

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 120061

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

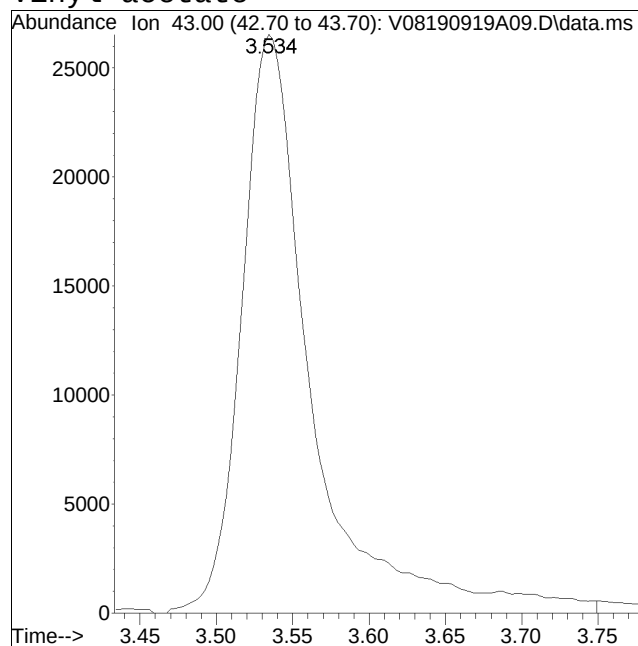
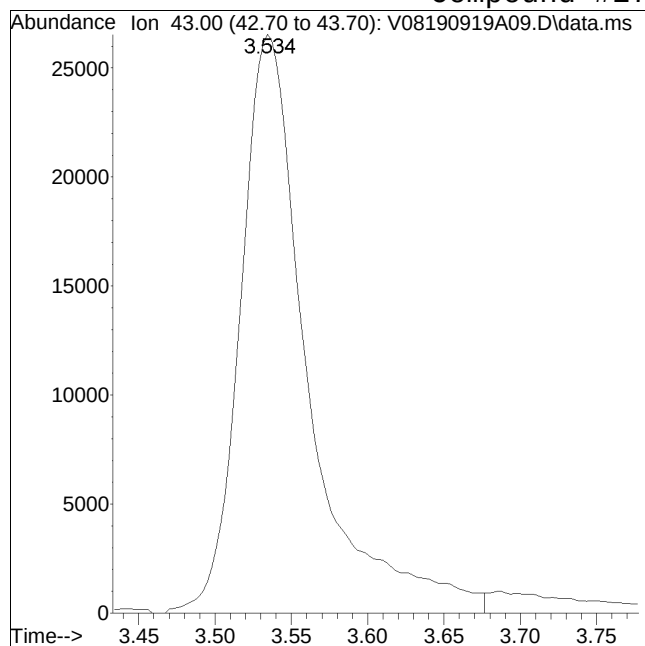


Manual Peak Response = 131949 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A09.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:38 am Instrument : VOA 108
Sample : I8260STDL10PPB Quant Date : 9/20/2019 10:31 am

Compound #27: Vinyl acetate



Original Peak Response = 82344

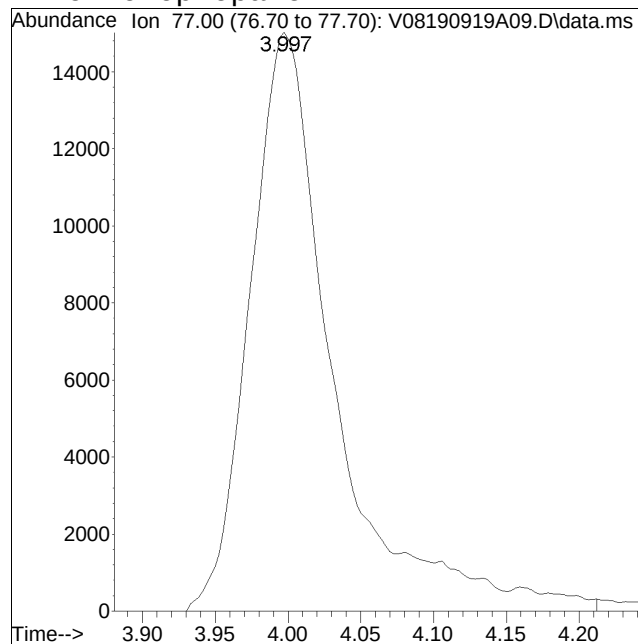
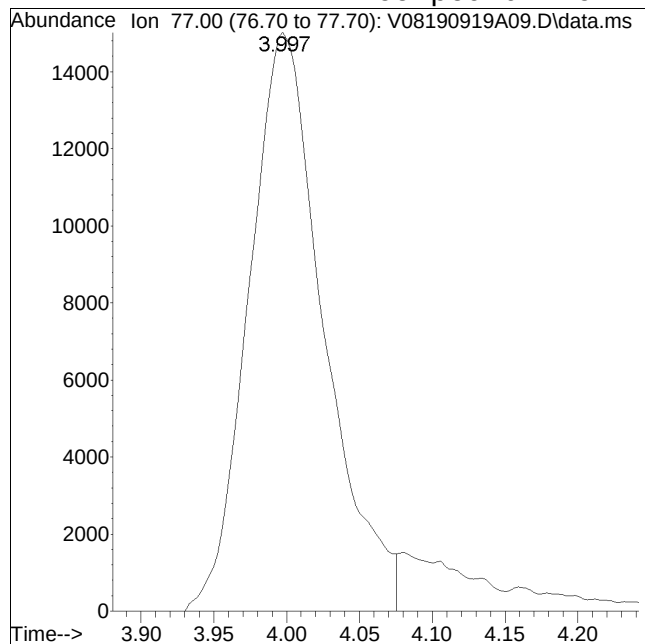
Manual Peak Response = 85676 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A09.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:38 am Instrument : VOA 108
Sample : I8260STDL10PPB Quant Date : 9/20/2019 10:31 am

Compound #29: 2,2-Dichloropropane



Original Peak Response = 53710

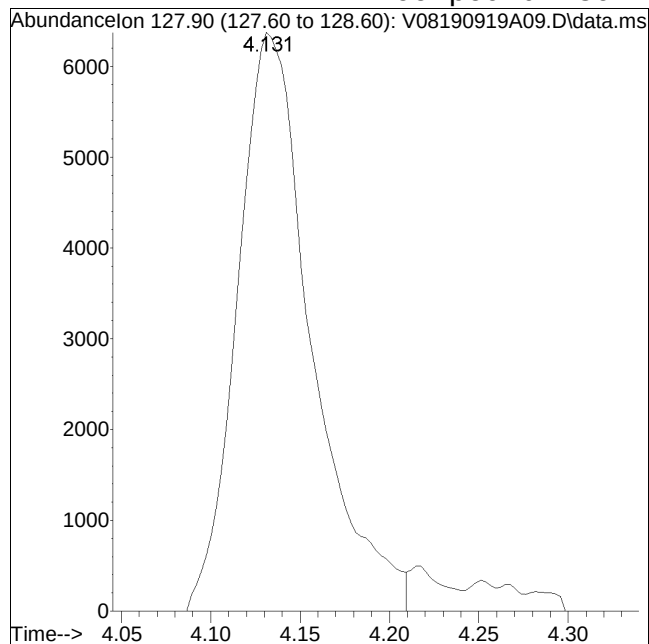
Manual Peak Response = 60100 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

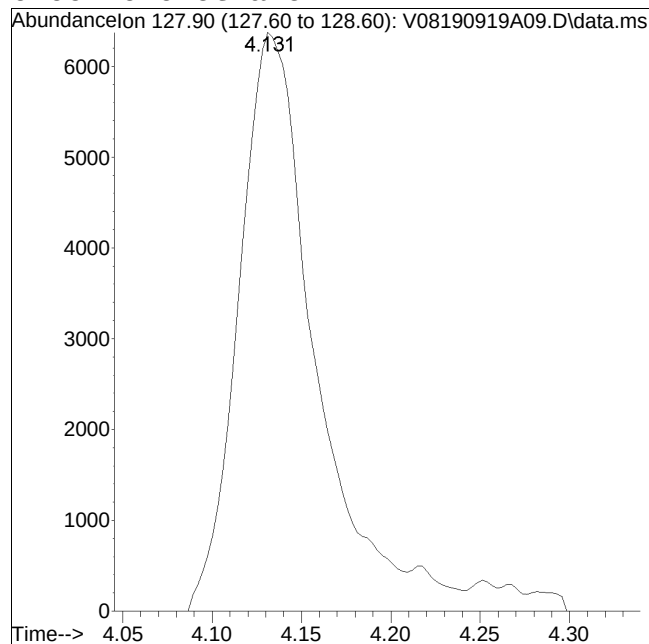
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A09.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:38 am Instrument : VOA 108
Sample : I8260STDL10PPB Quant Date : 9/20/2019 10:31 am

Compound #30: Bromochloromethane



Original Peak Response = 18395

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

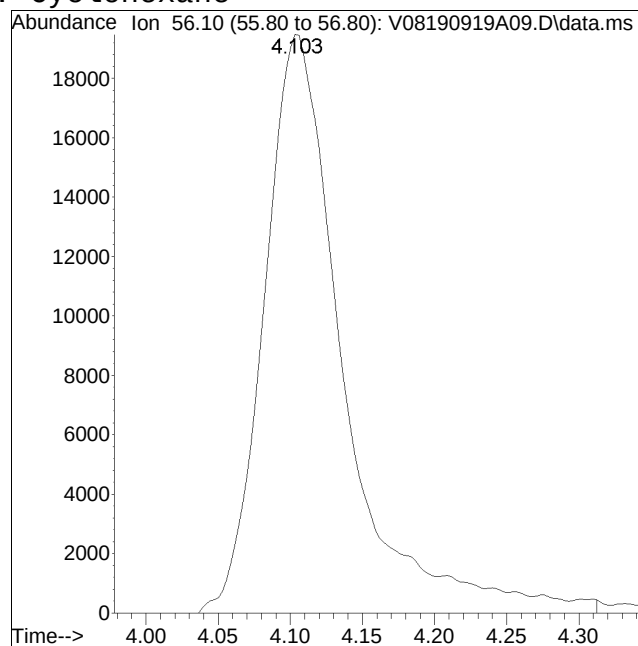
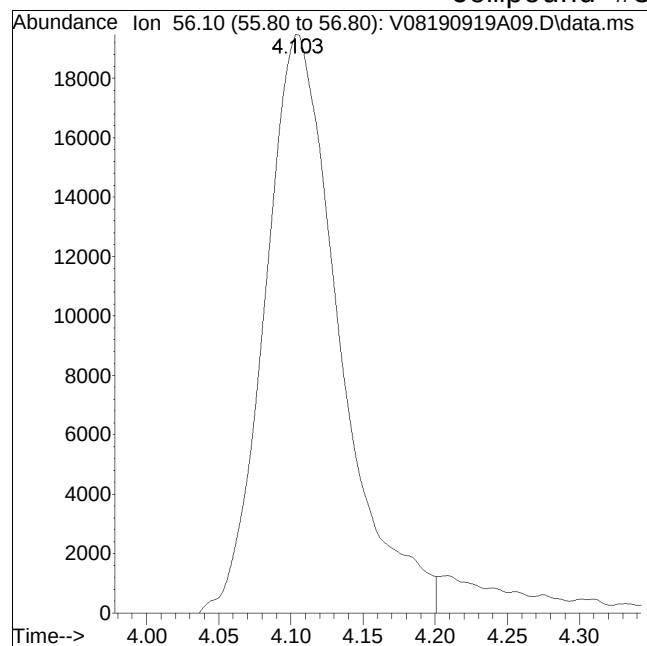


Manual Peak Response = 19848 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A09.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:38 am Instrument : VOA 108
Sample : I8260STDL10PPB Quant Date : 9/20/2019 10:31 am

Compound #31: Cyclohexane



Original Peak Response = 69759

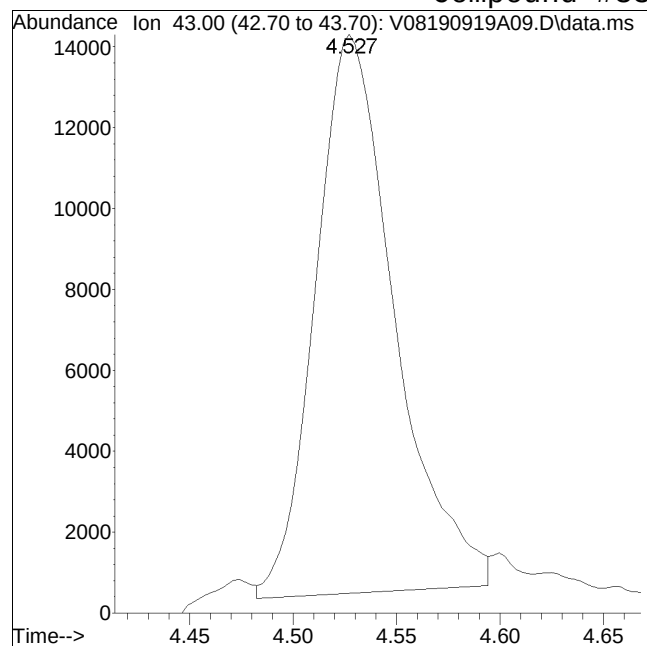
Manual Peak Response = 74628 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

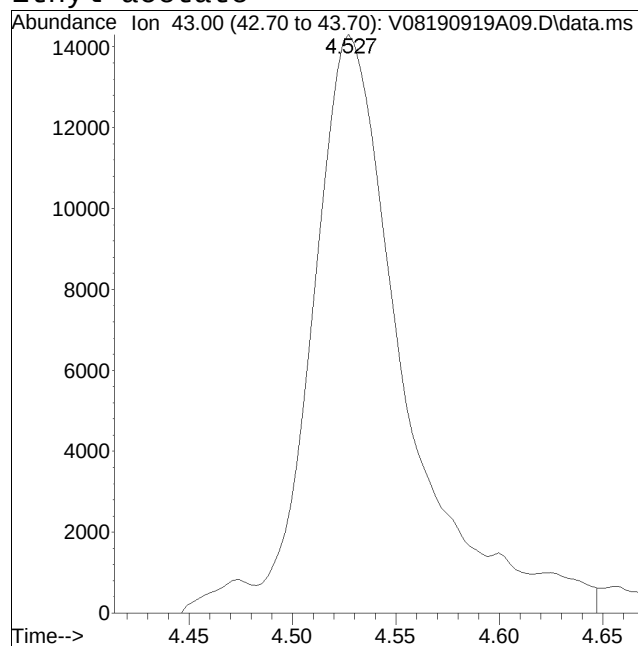
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A09.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:38 am Instrument : VOA 108
Sample : I8260STDL10PPB Quant Date : 9/20/2019 10:31 am

Compound #33: Ethyl acetate



Original Peak Response = 36786

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

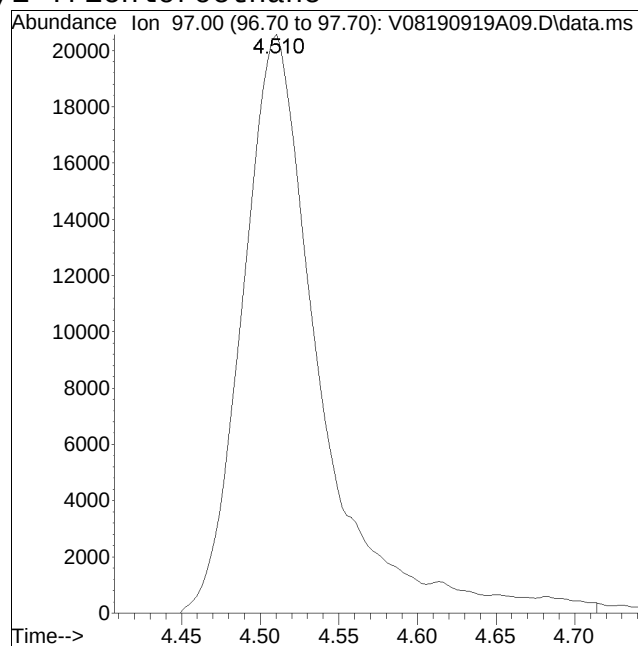
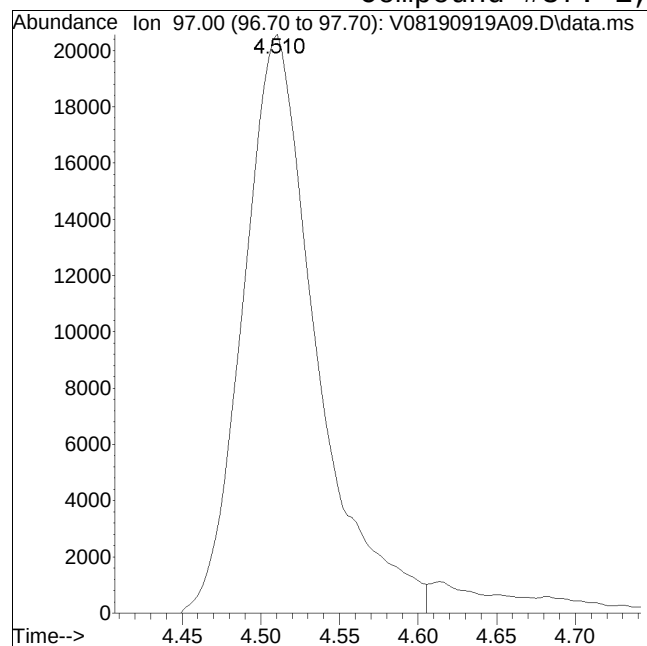


Manual Peak Response = 44694 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A09.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:38 am Instrument : VOA 108
Sample : I8260STD10PPB Quant Date : 9/20/2019 10:31 am

Compound #37: 1,1,1-Trichloroethane



Original Peak Response = 66227

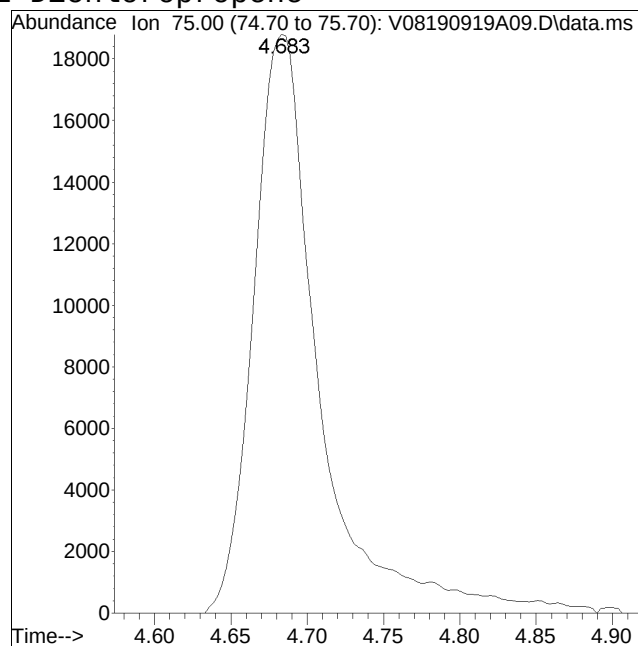
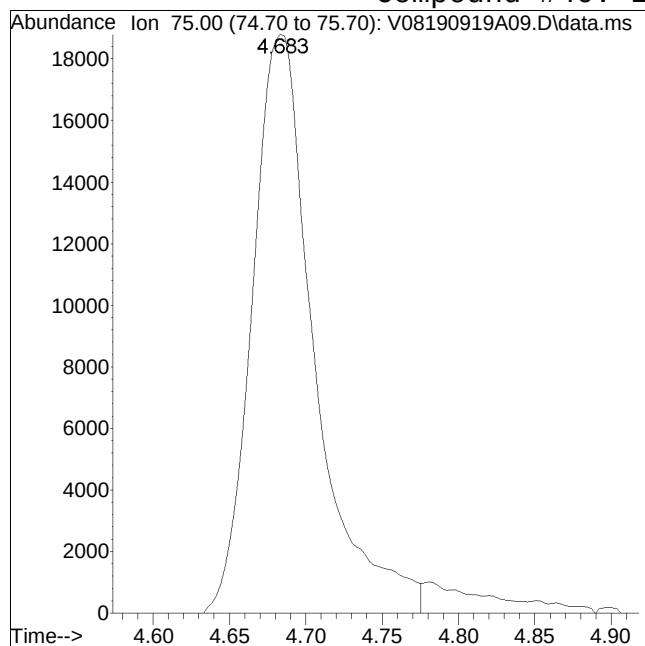
Manual Peak Response = 70441 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A09.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:38 am Instrument : VOA 108
Sample : I8260STDL10PPB Quant Date : 9/20/2019 10:31 am

Compound #40: 1,1-Dichloropropene



Original Peak Response = 53189

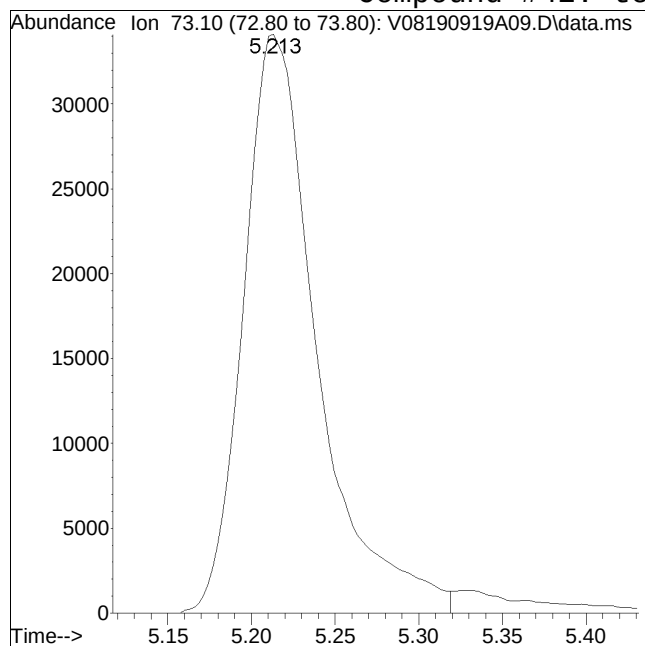
Manual Peak Response = 56506 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

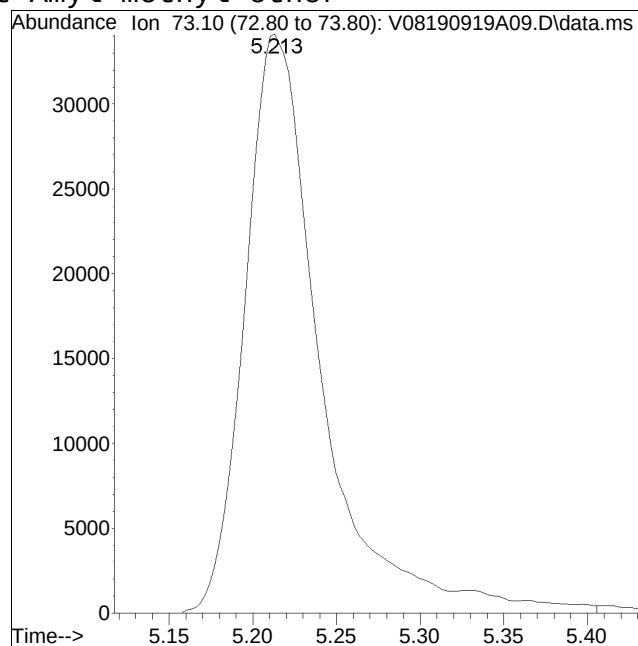
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A09.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:38 am Instrument : VOA 108
Sample : I8260STD10PPB Quant Date : 9/20/2019 10:31 am

Compound #42: tert-Amyl methyl ether



Original Peak Response = 104255

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

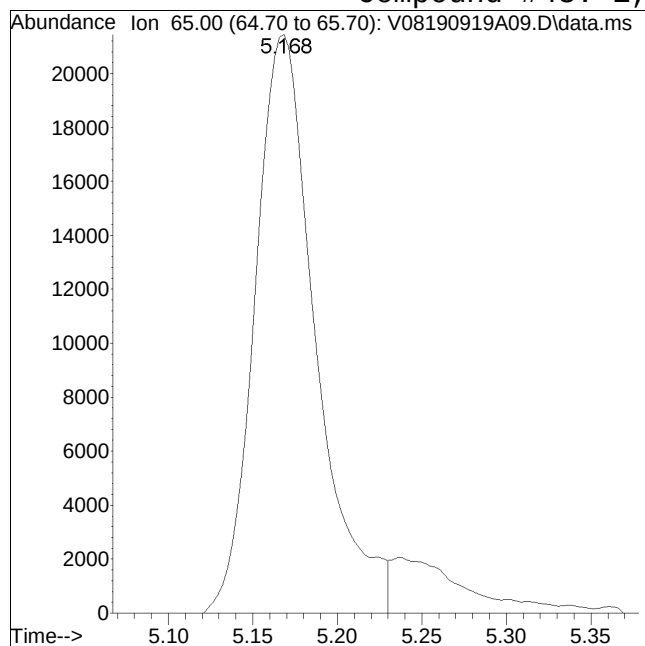


Manual Peak Response = 108433 M1

Manual Integration Report

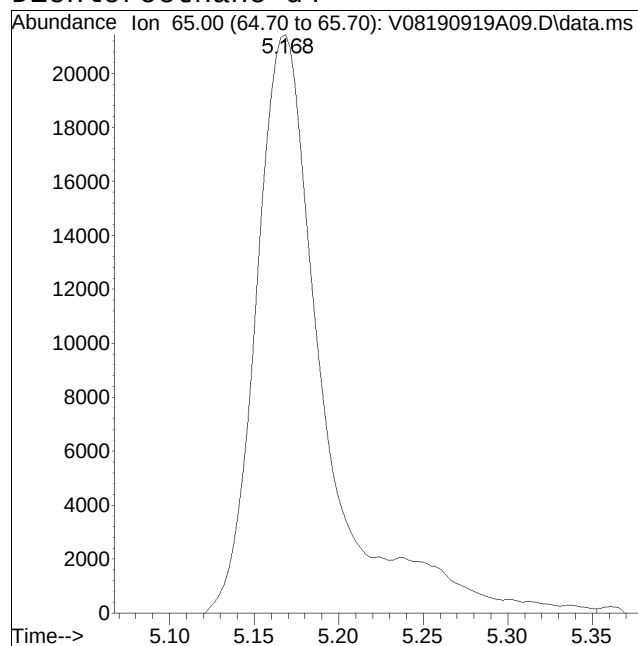
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A09.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:38 am Instrument : VOA 108
Sample : I8260STD10PPB Quant Date : 9/20/2019 10:31 am

Compound #43: 1,2-Dichloroethane-d4



Original Peak Response = 53359

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

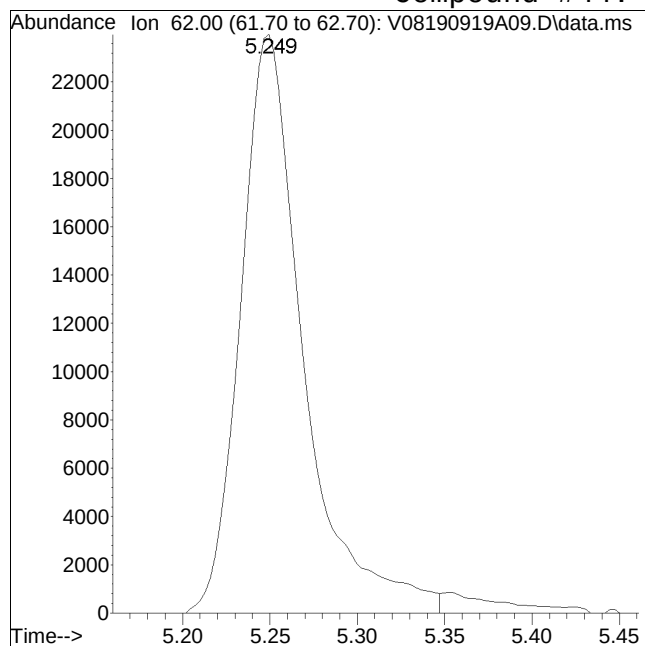


Manual Peak Response = 59752 M1

Manual Integration Report

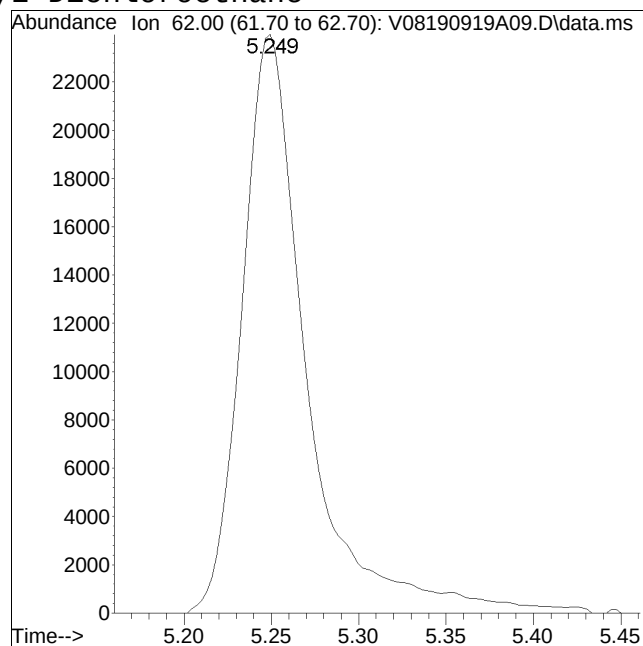
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A09.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:38 am Instrument : VOA 108
Sample : I8260STDL10PPB Quant Date : 9/20/2019 10:31 am

Compound #44: 1,2-Dichloroethane



Original Peak Response = 59797

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

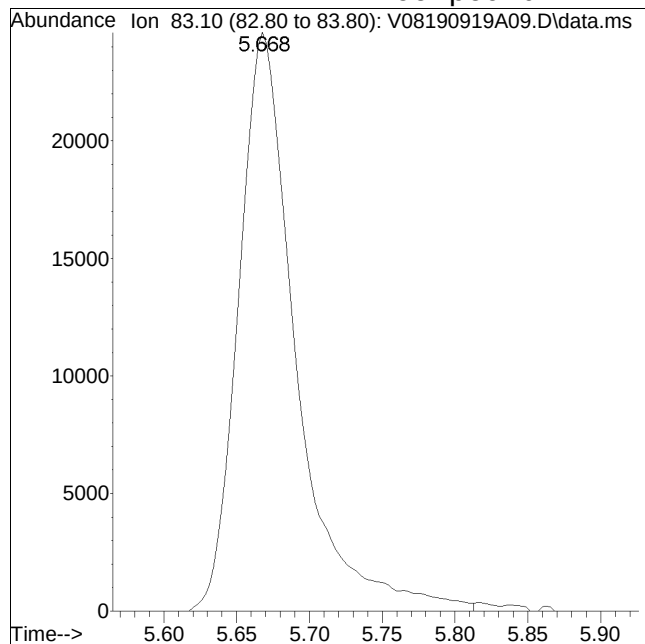


Manual Peak Response = 61973 M1

Manual Integration Report

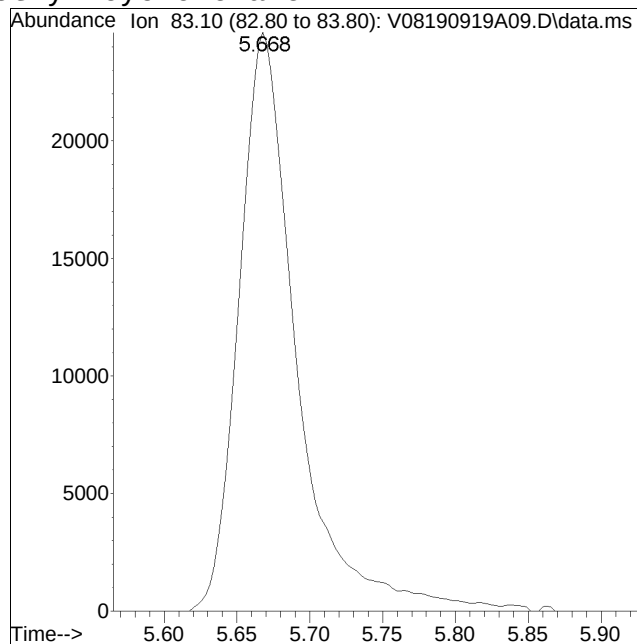
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A09.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:38 am Instrument : VOA 108
Sample : I8260STDL10PPB Quant Date : 9/20/2019 10:31 am

Compound #47: Methyl cyclohexane



Original Peak Response = 67686

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

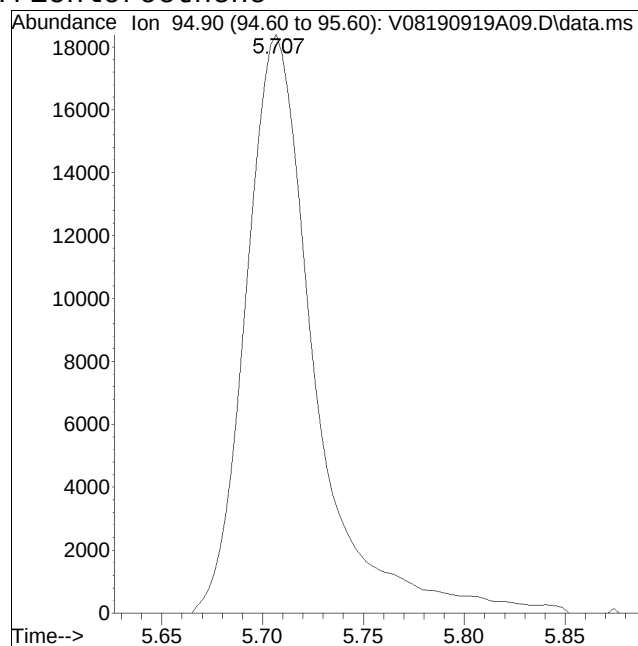
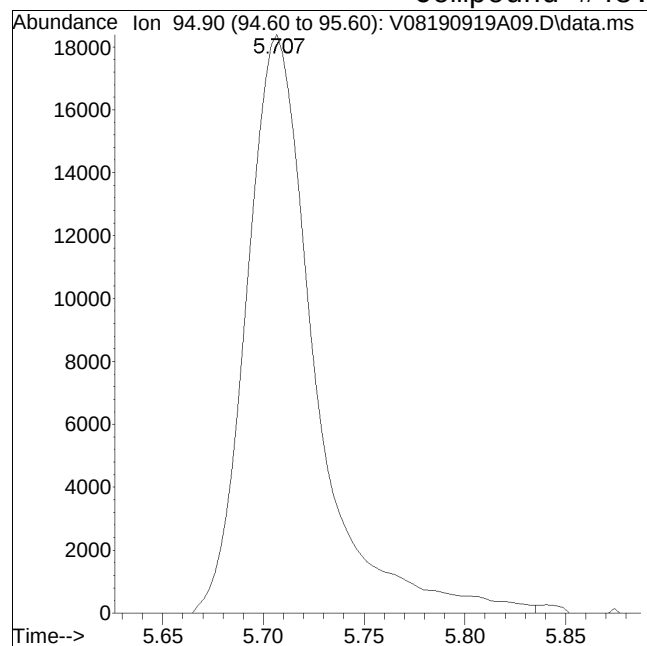


Manual Peak Response = 68338 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A09.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:38 am Instrument : VOA 108
Sample : I8260STD10PPB Quant Date : 9/20/2019 10:31 am

Compound #48: Trichloroethene



Original Peak Response = 43462

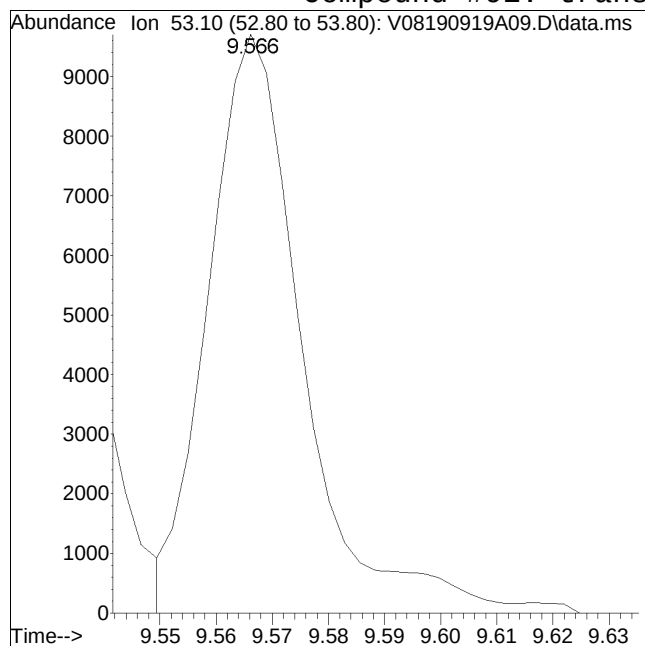
Manual Peak Response = 43656 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

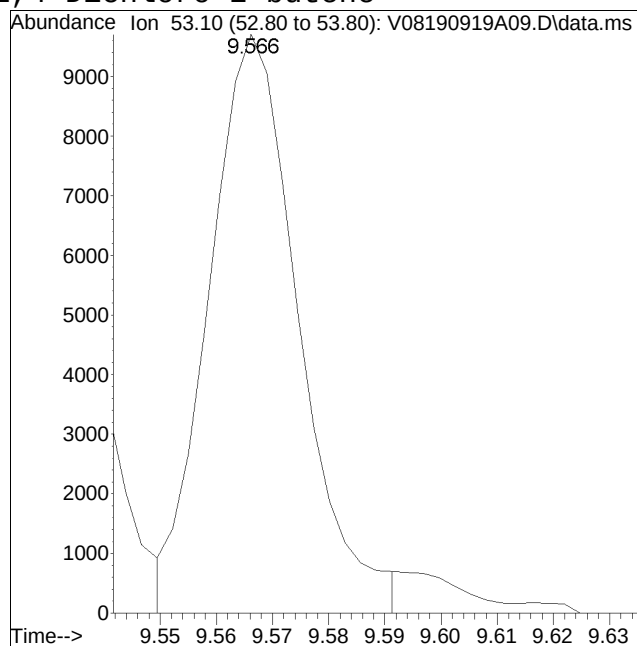
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A09.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 3:38 am Instrument : VOA 108
Sample : I8260STD10PPB Quant Date : 9/20/2019 10:31 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 11358

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 10731 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A10.D
 Acq On : 20 Sep 2019 4:00 am
 Operator : VOA108:PD
 Sample : I8260STD130PPB
 Misc : WG1286620,ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 20 10:31:22 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.512	96	170498	10.000	ug/L	0.00
Standard Area 1 = 167206			Recovery =	101.97%		
59) Chlorobenzene-d5	8.501	117	125059	10.000	ug/L	0.00
Standard Area 1 = 123908			Recovery =	100.93%		
79) 1,4-Dichlorobenzene-d4	9.987	152	60966	10.000	ug/L	0.00
Standard Area 1 = 62238			Recovery =	97.96%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.530	113	43276	10.045	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.45%		
43) 1,2-Dichloroethane-d4	5.166	65	52193	9.701	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.01%		
60) Toluene-d8	7.207	98	164196	9.847	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.47%		
83) 4-Bromofluorobenzene	9.318	95	61006	9.993	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.93%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.963	85	120549	29.155	ug/L	97
3) Chloromethane	1.081	50	135657	28.139	ug/L	97
4) Vinyl chloride	1.136	62	141360	28.119	ug/L	98
5) Bromomethane	1.343	94	91033	25.265	ug/L	99
6) Chloroethane	1.424	64	92719	28.395	ug/L	100
7) Trichlorofluoromethane	1.521	101	200543	29.009	ug/L	97
8) Ethyl ether	1.761	74	53736	26.281	ug/L	76
10) 1,1-Dichloroethene	1.892	96	96878	26.928	ug/L	# 77
11) Carbon disulfide	1.898	76	314742	27.683	ug/L	97
12) Freon-113	1.934	101	102340	28.344	ug/L	99
13) Iodomethane	1.992	142	107119	26.204	ug/L	89
14) Acrolein	2.168	56	16012M1	29.325	ug/L	
15) Methylene chloride	2.380	84	111662	26.138	ug/L	77
17) Acetone	2.430	43	24204M1	27.430	ug/L	
18) trans-1,2-Dichloroethene	2.528	96	107799	27.544	ug/L	83
19) Methyl acetate	2.564	43	55395	27.575	ug/L	# 92
20) Methyl tert-butyl ether	2.651	73	289391M1	26.944	ug/L	
21) tert-Butyl alcohol	2.793	59	43124M1	145.255	ug/L	
22) Diisopropyl ether	3.080	45	381690M1	26.774	ug/L	
23) 1,1-Dichloroethane	3.166	63	220661M1	27.208	ug/L	
24) Halothane	3.314	117	87242M1	29.631	ug/L	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A10.D
 Acq On : 20 Sep 2019 4:00 am
 Operator : VOA108:PD
 Sample : I8260STD130PPB
 Misc : WG1286620,ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 20 10:31:22 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.231	53	31761M1	29.213	ug/L	
26) Ethyl tert-butyl ether	3.526	59	373456	26.314	ug/L	92
27) Vinyl acetate	3.535	43	253496	29.395	ug/L	97
28) cis-1,2-Dichloroethene	3.858	96	126017M1	28.370	ug/L	
29) 2,2-Dichloropropane	3.997	77	175785M1	28.823	ug/L	
30) Bromochloromethane	4.131	128	54436	26.965	ug/L #	64
31) Cyclohexane	4.103	56	208121	28.517	ug/L	79
32) Chloroform	4.290	83	215121	27.137	ug/L	95
33) Ethyl acetate	4.524	43	111034M1	29.447	ug/L	
34) Carbon tetrachloride	4.410	117	159572	28.620	ug/L	99
35) Tetrahydrofuran	4.469	42	23880M1	30.559	ug/L	
37) 1,1,1-Trichloroethane	4.508	97	197591	28.217	ug/L #	97
39) 2-Butanone	4.711	43	39765	30.079	ug/L #	33
40) 1,1-Dichloropropene	4.683	75	153002	27.351	ug/L	95
41) Benzene	4.990	78	454467	26.143	ug/L	93
42) tert-Amyl methyl ether	5.213	73	309243	26.332	ug/L	92
44) 1,2-Dichloroethane	5.250	62	174529	26.959	ug/L	99
47) Methyl cyclohexane	5.668	83	197658	28.732	ug/L #	78
48) Trichloroethene	5.704	95	123757	26.398	ug/L	97
50) Dibromomethane	6.153	93	72497	27.529	ug/L	99
51) 1,2-Dichloropropane	6.262	63	124415	26.918	ug/L	96
53) 2-Chloroethyl vinyl ether	7.018	63	77710	27.356	ug/L	94
54) Bromodichloromethane	6.373	83	173122	26.955	ug/L	97
57) 1,4-Dioxane	6.594	88	14112	622.589	ug/L #	78
58) cis-1,3-Dichloropropene	7.029	75	194318	26.806	ug/L	96
61) Toluene	7.257	92	295476	26.799	ug/L	96
62) 4-Methyl-2-pentanone	7.659	58	37660	27.497	ug/L #	94
63) Tetrachloroethene	7.611	166	130002	27.937	ug/L	92
65) trans-1,3-Dichloropropene	7.678	75	171024	26.945	ug/L	99
67) Ethyl methacrylate	7.865	69	129952	28.041	ug/L	100
68) 1,1,2-Trichloroethane	7.809	83	82718	26.766	ug/L	95
69) Chlorodibromomethane	7.943	129	122756	27.307	ug/L	97
70) 1,3-Dichloropropane	8.019	76	167538	26.214	ug/L	99
71) 1,2-Dibromoethane	8.102	107	96131	26.669	ug/L	97
72) 2-Hexanone	8.339	43	64272	27.471	ug/L	95
73) Chlorobenzene	8.515	112	321443	26.422	ug/L	91
74) Ethylbenzene	8.554	91	578571	27.447	ug/L	100
75) 1,1,1,2-Tetrachloroethane	8.574	131	119113	26.801	ug/L	95
76) p/m Xylene	8.660	106	441488	55.199	ug/L	97
77) o Xylene	8.944	106	424133	55.177	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A10.D
 Acq On : 20 Sep 2019 4:00 am
 Operator : VOA108:PD
 Sample : I8260STD130PPB
 Misc : WG1286620,ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 20 10:31:22 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	8.981	104	712825	55.862	ug/L	91
80)	Bromoform	8.986	173	75590	27.377	ug/L	96
82)	Isopropylbenzene	9.154	105	574180	27.889	ug/L	98
84)	Bromobenzene	9.374	156	132736	26.522	ug/L	96
85)	n-Propylbenzene	9.410	91	669322	28.120	ug/L	97
86)	1,4-Dichlorobutane	9.416	55	169853	27.050	ug/L	96
87)	1,1,2,2-Tetrachloroethane	9.463	83	115019	26.485	ug/L	100
88)	4-Ethyltoluene	9.480	105	538042	28.433	ug/L	98
89)	2-Chlorotoluene	9.494	91	452640	27.853	ug/L	97
90)	1,3,5-Trimethylbenzene	9.536	105	471523	28.468	ug/L	92
91)	1,2,3-Trichloropropane	9.533	75	94290	29.430	ug/L	99
92)	trans-1,4-Dichloro-2-b...	9.566	53	32297M1	28.765	ug/L	
93)	4-Chlorotoluene	9.597	91	407441	27.765	ug/L	97
94)	tert-Butylbenzene	9.722	119	477901	28.788	ug/L	93
95)	Pentachloroethane	9.731	167	95038	30.712	ug/L	97
97)	1,2,4-Trimethylbenzene	9.762	105	465059	28.285	ug/L	94
98)	sec-Butylbenzene	9.826	105	555062	28.336	ug/L	99
99)	p-Isopropyltoluene	9.912	119	498535	28.516	ug/L	96
100)	1,3-Dichlorobenzene	9.943	146	252365	27.254	ug/L	98
101)	1,4-Dichlorobenzene	9.996	146	256059	26.885	ug/L	99
102)	p-Diethylbenzene	10.121	119	279767	28.012	ug/L	95
103)	n-Butylbenzene	10.155	91	451140	28.059	ug/L	98
104)	1,2-Dichlorobenzene	10.236	146	238259	27.110	ug/L	98
105)	1,2,4,5-Tetramethylben...	10.576	119	433361	28.583	ug/L	98
106)	1,2-Dibromo-3-chloropr...	10.690	155	17180	27.745	ug/L	91
107)	1,3,5-Trichlorobenzene	10.707	180	173109	26.586	ug/L	96
108)	Hexachlorobutadiene	11.053	225	77014	26.832	ug/L	97
109)	1,2,4-Trichlorobenzene	11.067	180	161324	26.002	ug/L	98
110)	Naphthalene	11.248	128	359755	27.067	ug/L	100
111)	1,2,3-Trichlorobenzene	11.348	180	149201	26.458	ug/L	99

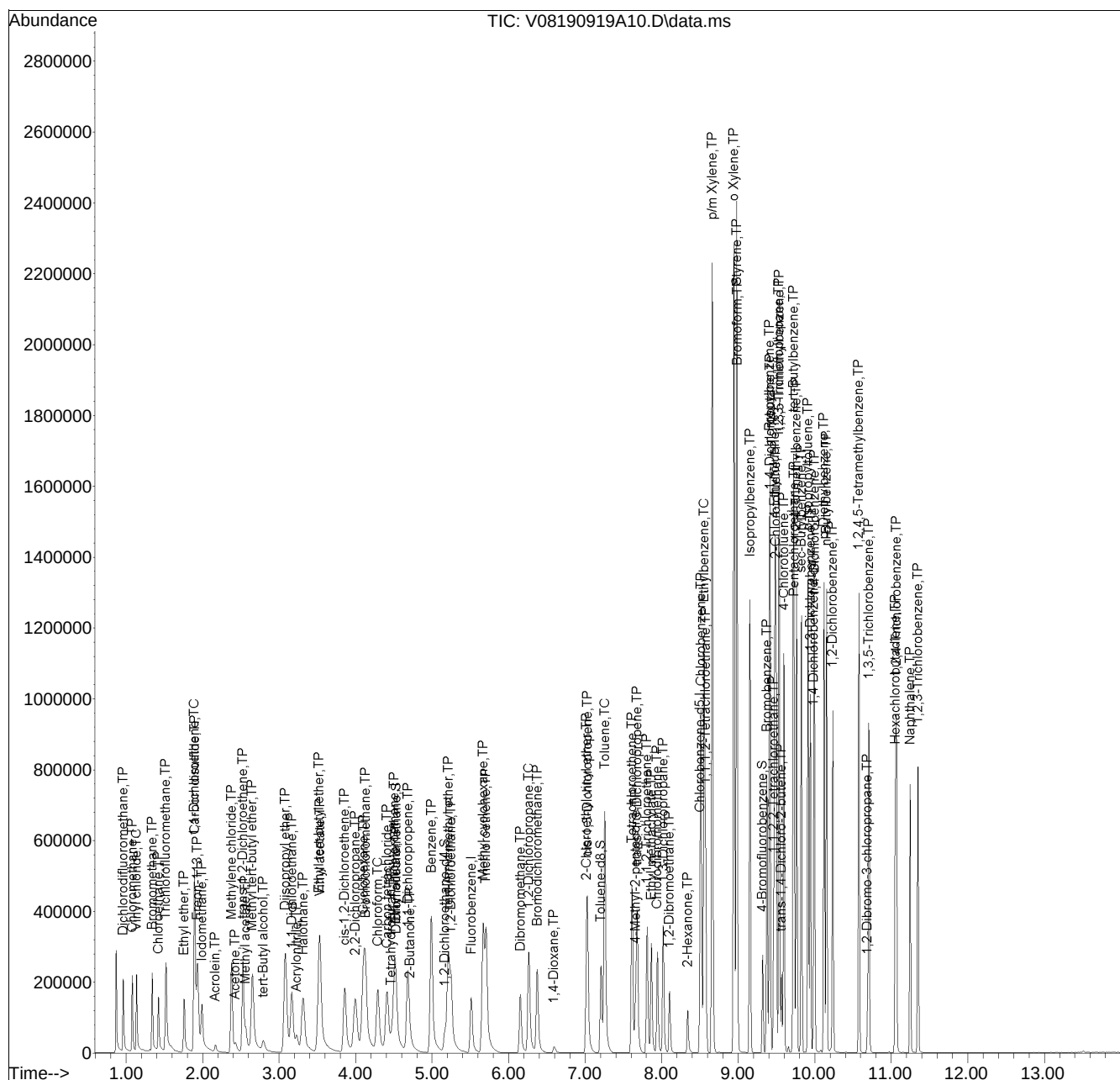
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A10.D
 Acq On : 20 Sep 2019 4:00 am
 Operator : VOA108:PD
 Sample : I8260STDL30PPB
 Misc : WG1286620,ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 20 10:31:22 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

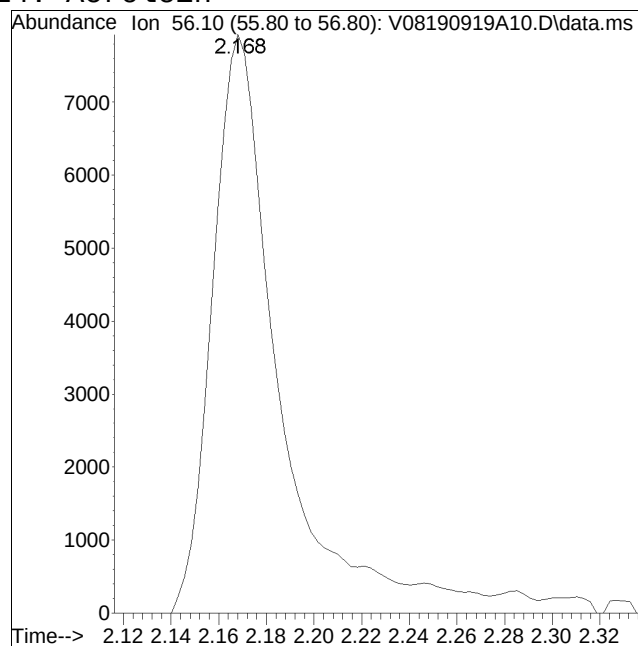
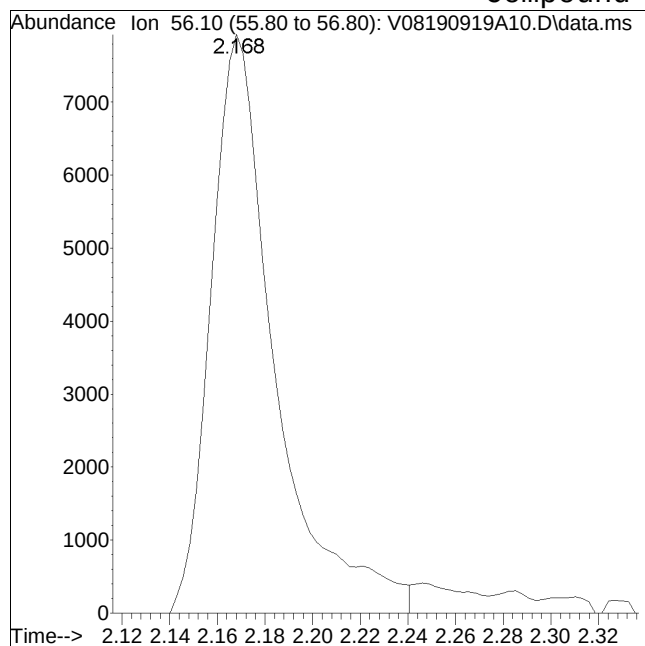
Sub List : 8260-CurvePenta - All compounds listed8190919A09.D•



Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190919A10.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 4:00 am Instrument : VOA 108
Sample : I8260STDL30PPB Quant Date : 9/20/2019 10:31 am

Compound #14: Acrolein



Original Peak Response = 14806

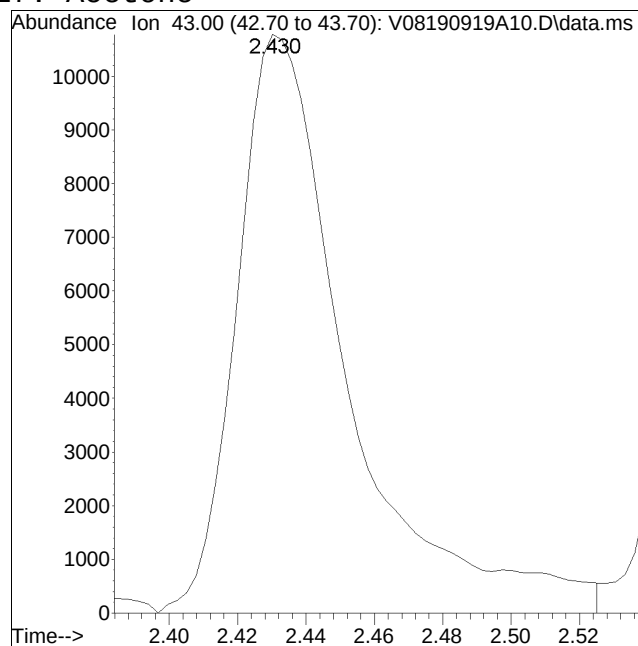
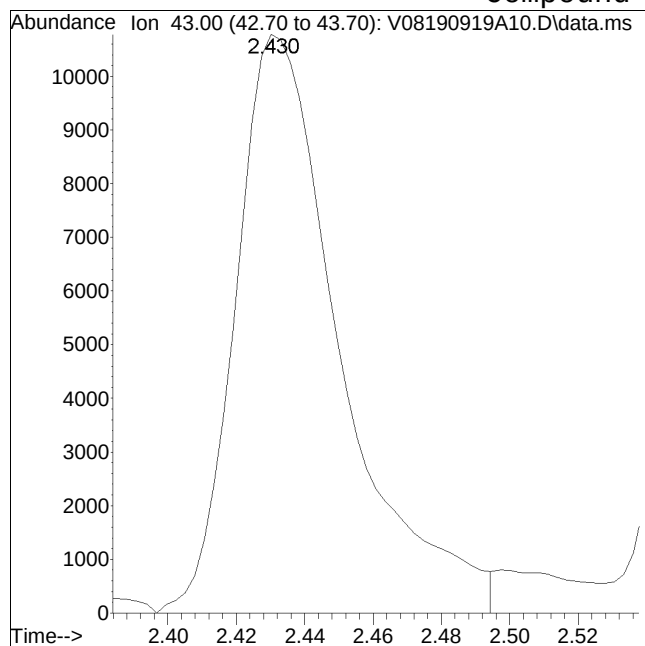
Manual Peak Response = 16012 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190919A10.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 4:00 am Instrument : VOA 108
Sample : I8260STDL30PPB Quant Date : 9/20/2019 10:31 am

Compound #17: Acetone



Original Peak Response = 22932

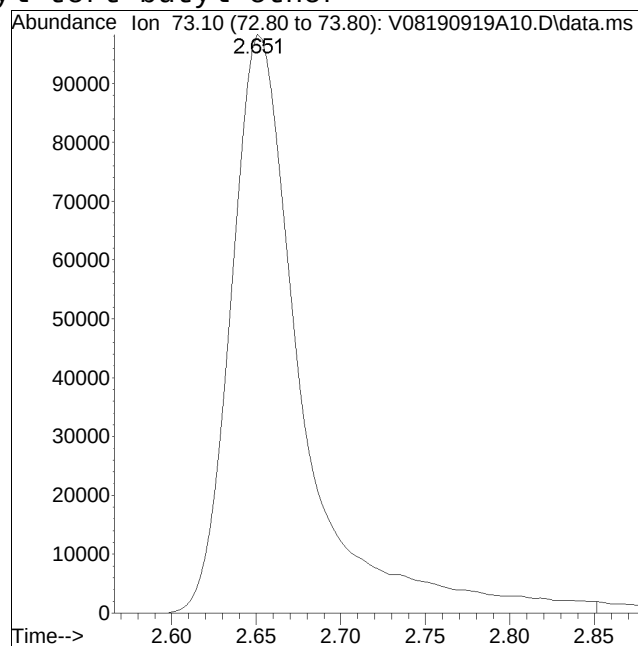
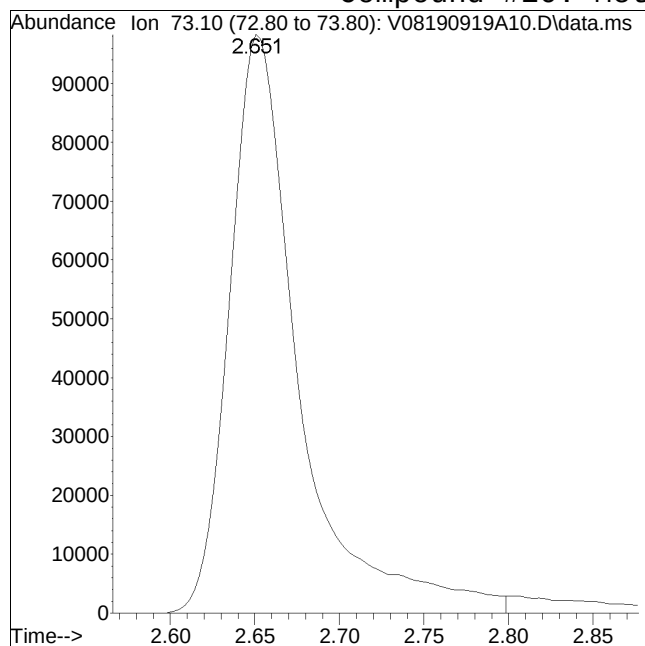
Manual Peak Response = 24204 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190919A10.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 4:00 am Instrument : VOA 108
Sample : I8260STDL30PPB Quant Date : 9/20/2019 10:31 am

Compound #20: Methyl tert-butyl ether



Original Peak Response = 281875

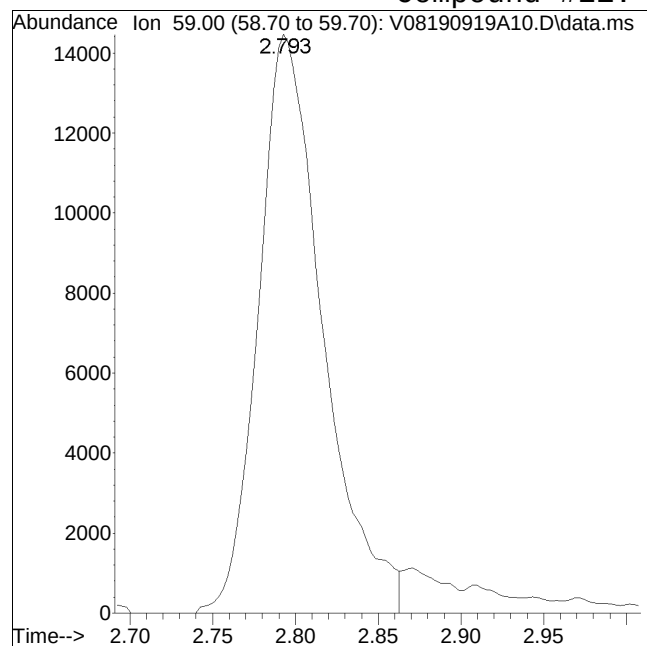
Manual Peak Response = 289391 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

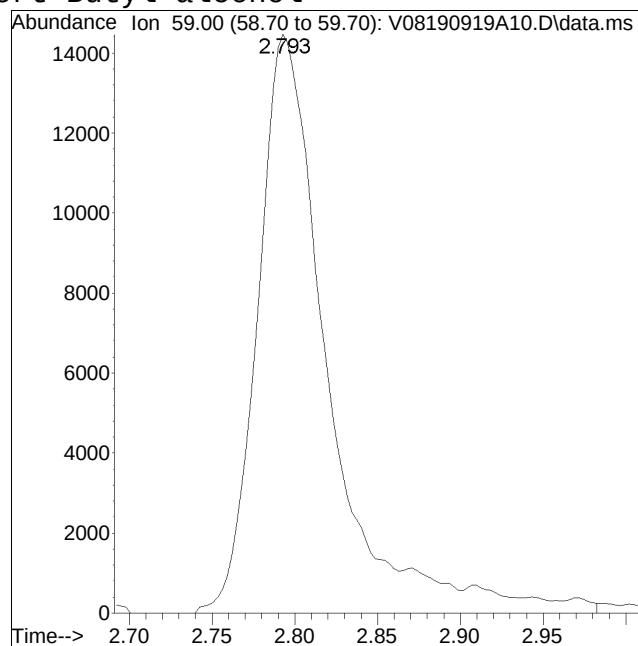
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Data File : V08190919A10.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 4:00 am Instrument : VOA 108
Sample : I8260STDL30PPB Quant Date : 9/20/2019 10:31 am

Compound #21: tert-Butyl alcohol



Original Peak Response = 39091

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

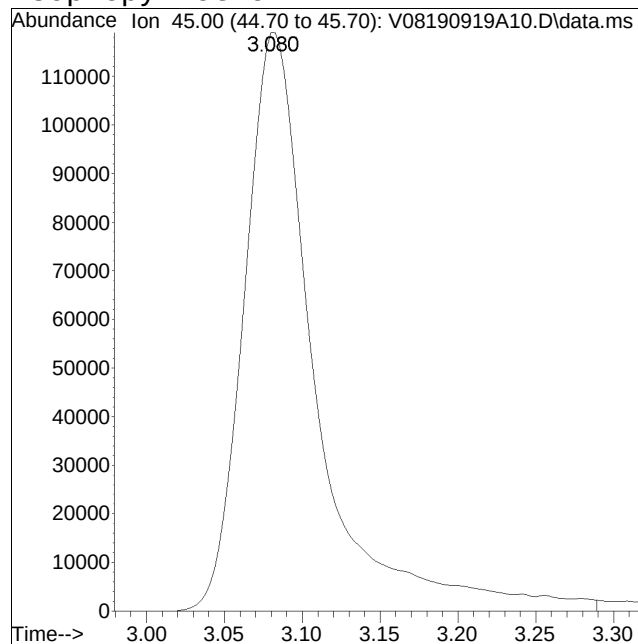
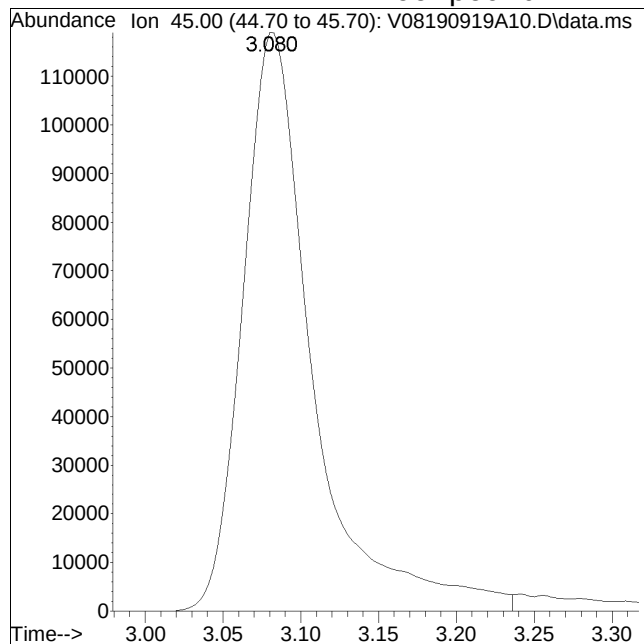


Manual Peak Response = 43124 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\1QMethod : V108_190819_8260.m
Data File : V08190919A10.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 4:00 am Instrument : VOA 108
Sample : I8260STDL30PPB Quant Date : 9/20/2019 10:31 am

Compound #22: Diisopropyl ether



Original Peak Response = 372706

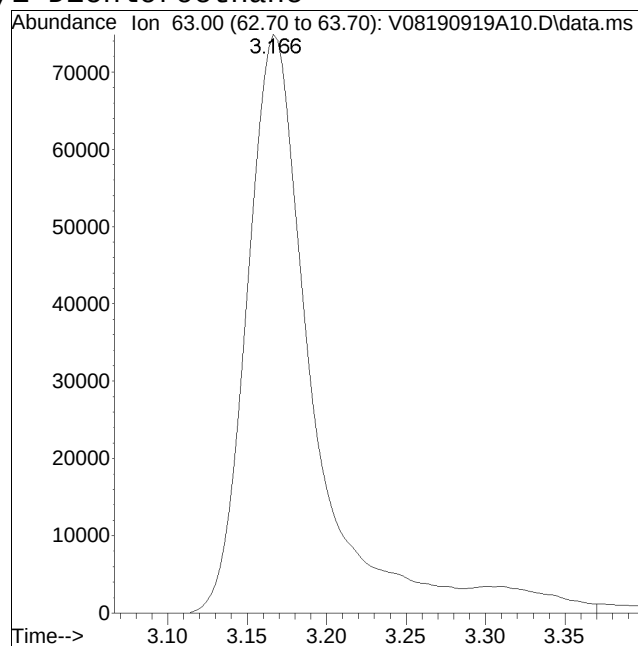
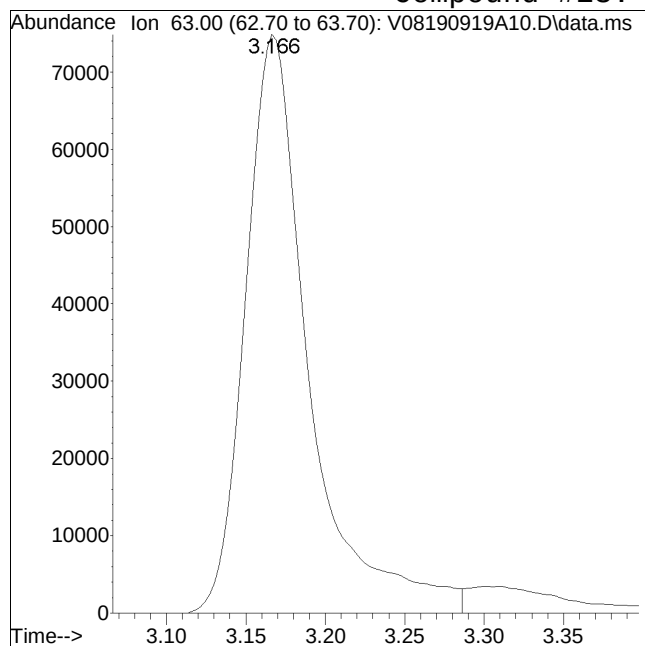
Manual Peak Response = 381690 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A10.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 4:00 am Instrument : VOA 108
Sample : I8260STDL30PPB Quant Date : 9/20/2019 10:31 am

Compound #23: 1,1-Dichloroethane



Original Peak Response = 207739

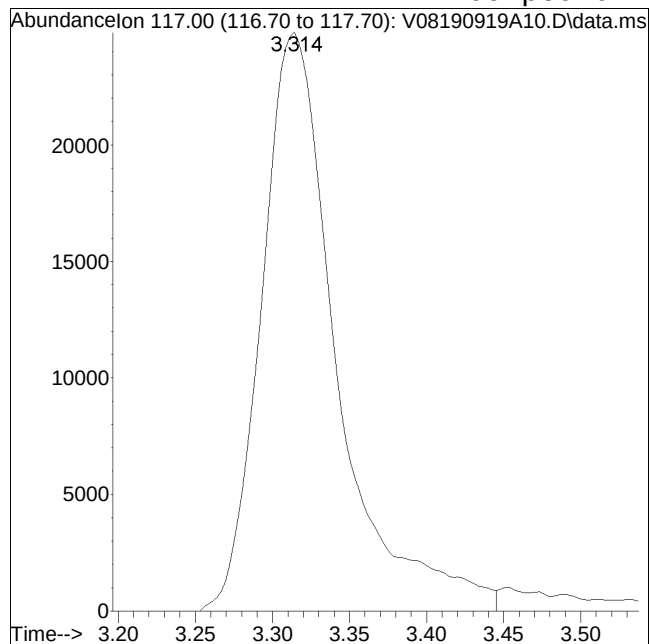
Manual Peak Response = 220661 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

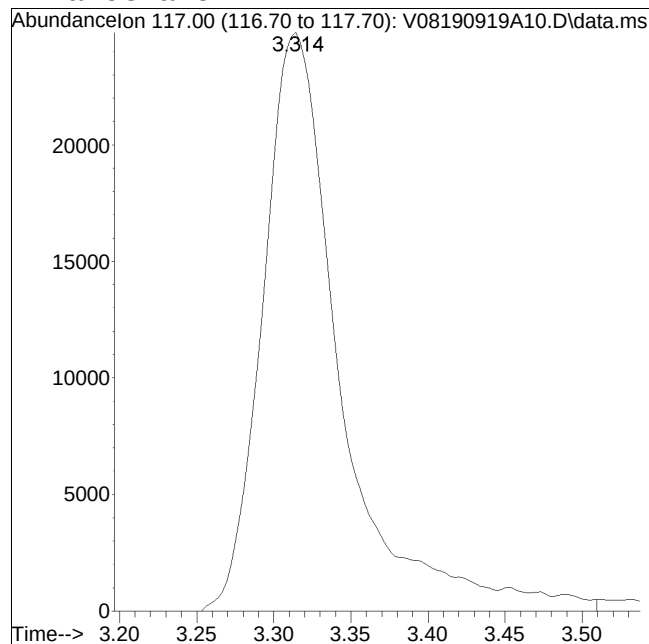
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Data File : V08190919A10.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 4:00 am Instrument : VOA 108
Sample : I8260STDL30PPB Quant Date : 9/20/2019 10:31 am

Compound #24: Halothane



Original Peak Response = 84452

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

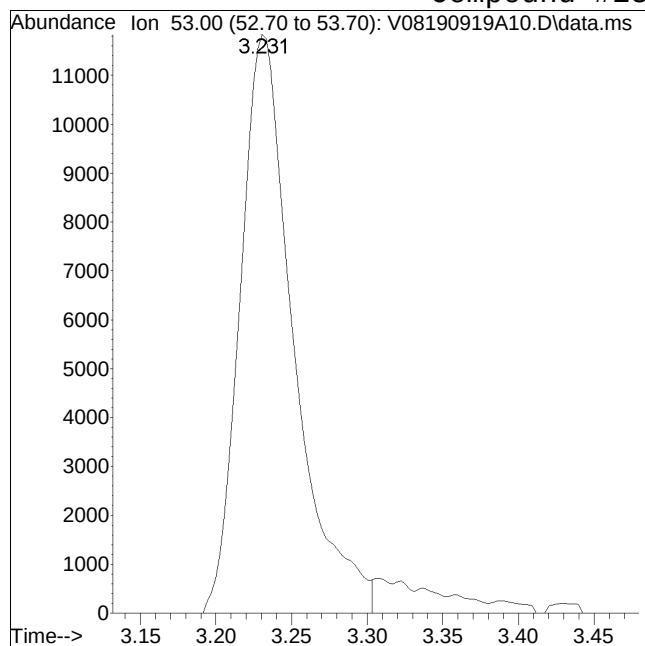


Manual Peak Response = 87242 M1

Manual Integration Report

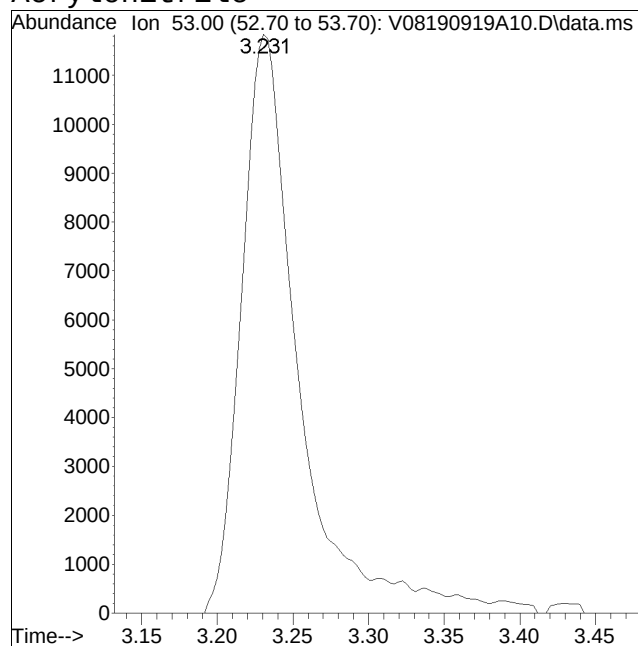
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Data File : V08190919A10.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 4:00 am Instrument : VOA 108
Sample : I8260STDL30PPB Quant Date : 9/20/2019 10:31 am

Compound #25: Acrylonitrile



Original Peak Response = 29099

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

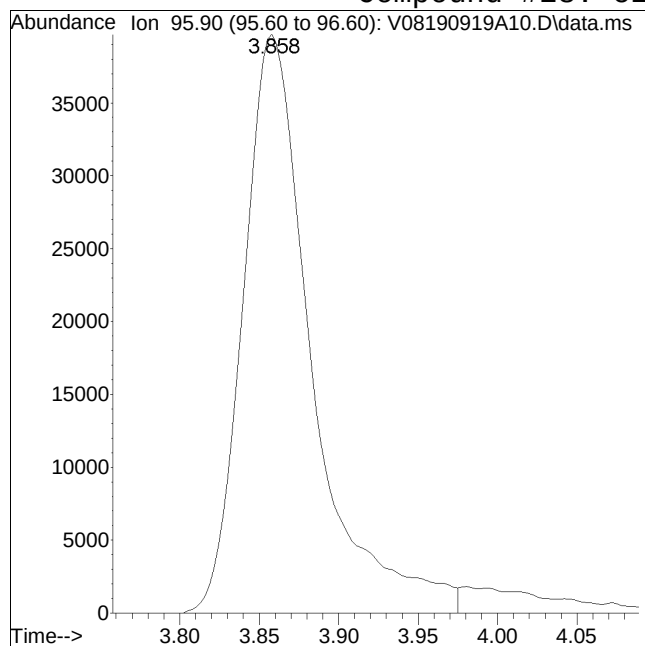


Manual Peak Response = 31761 M1

Manual Integration Report

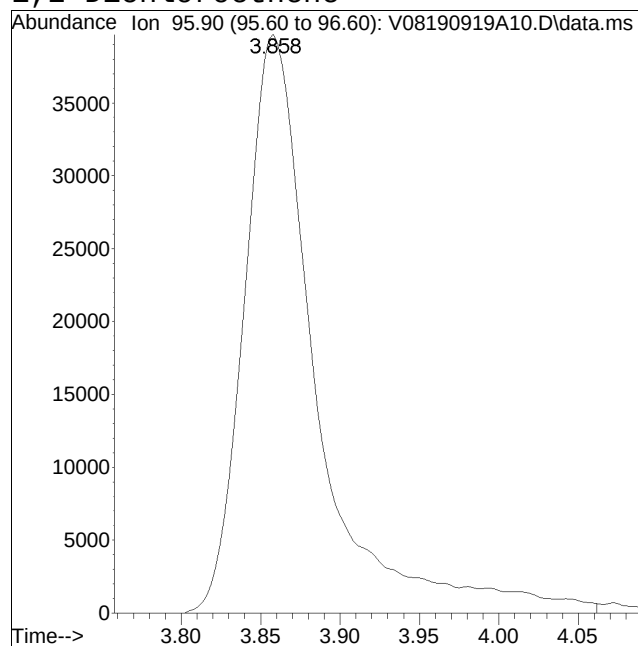
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Data File : V08190919A10.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 4:00 am Instrument : VOA 108
Sample : I8260STDL30PPB Quant Date : 9/20/2019 10:31 am

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 119464

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

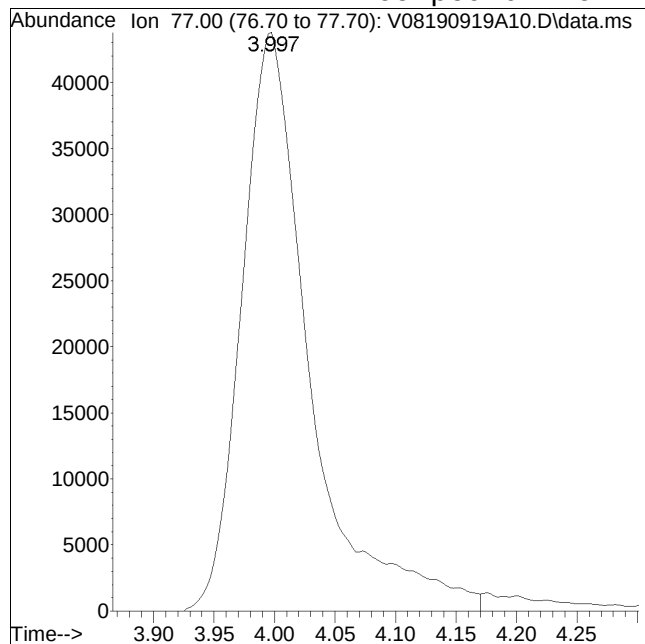


Manual Peak Response = 126017 M1

Manual Integration Report

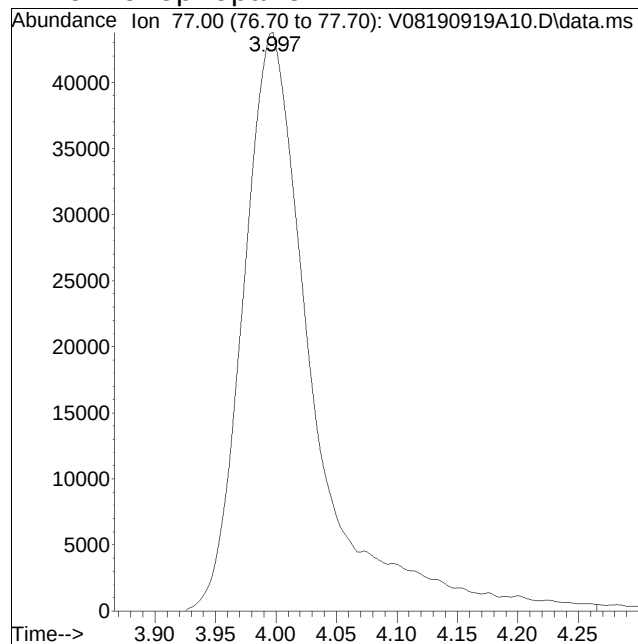
Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190919A10.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 4:00 am Instrument : VOA 108
Sample : I8260STDL30PPB Quant Date : 9/20/2019 10:31 am

Compound #29: 2,2-Dichloropropane



Original Peak Response = 170899

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

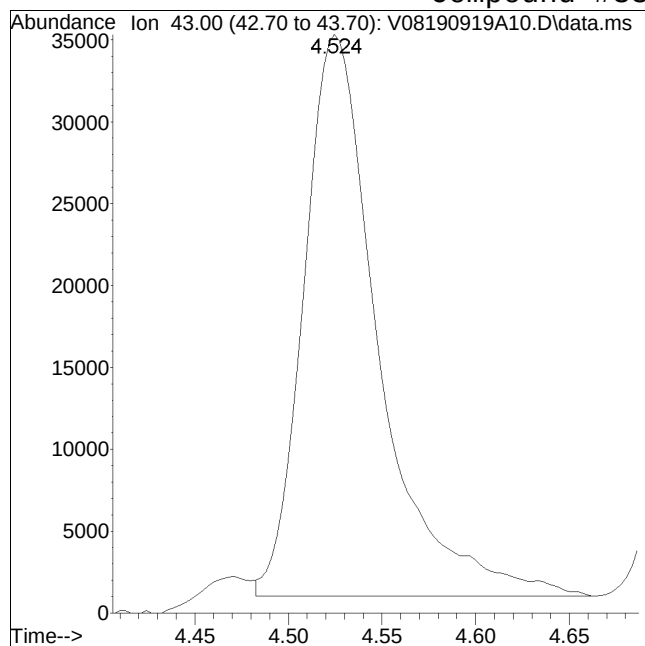


Manual Peak Response = 175785 M1

Manual Integration Report

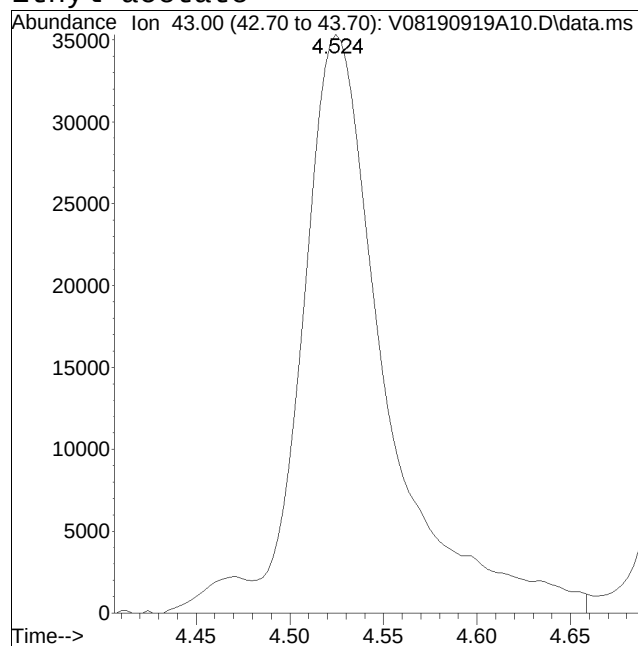
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Data File : V08190919A10.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 4:00 am Instrument : VOA 108
Sample : I8260STDL30PPB Quant Date : 9/20/2019 10:31 am

Compound #33: Ethyl acetate



Original Peak Response = 95634

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

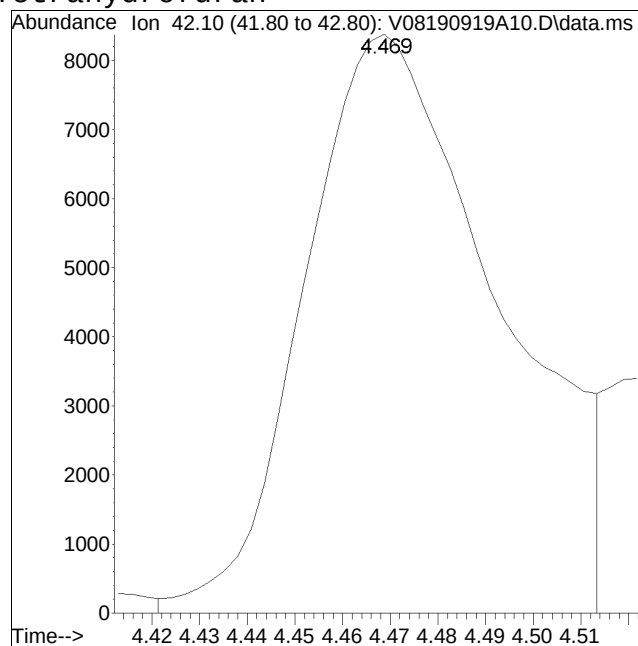
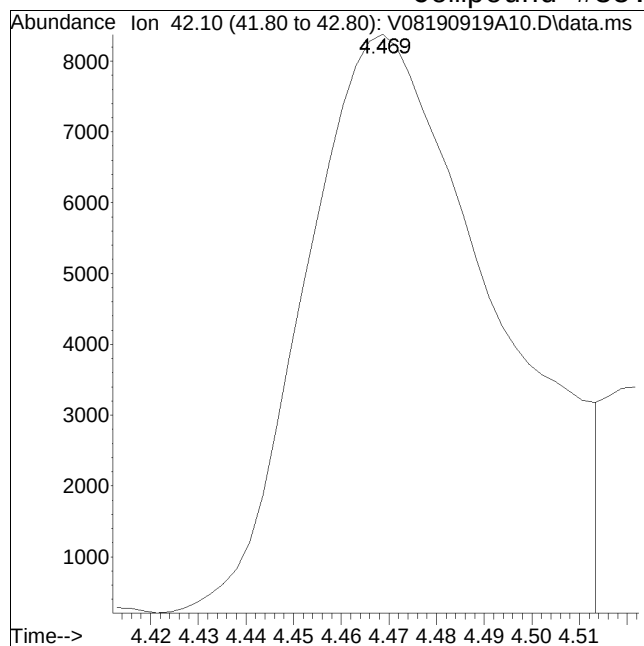


Manual Peak Response = 111034 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190919A10.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 4:00 am Instrument : VOA 108
Sample : I8260STD130PPB Quant Date : 9/20/2019 10:31 am

Compound #35: Tetrahydrofuran



Original Peak Response = 22737

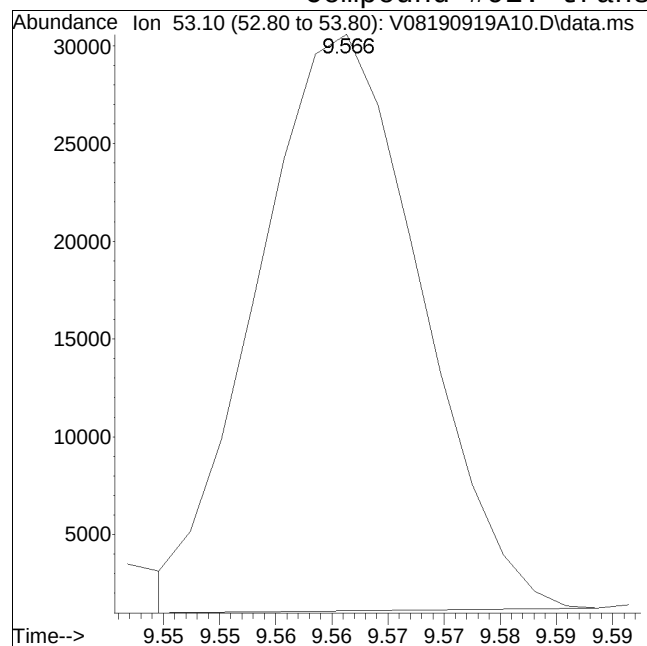
Manual Peak Response = 23880 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

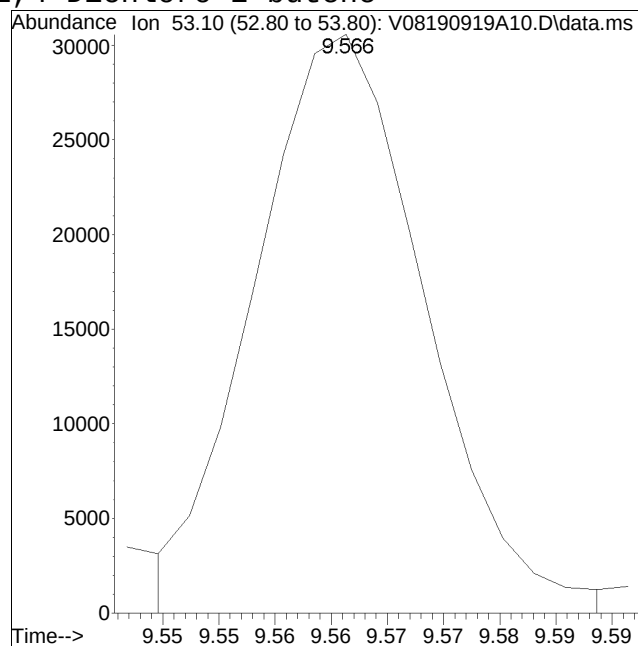
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A10.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 4:00 am Instrument : VOA 108
Sample : I8260STDL30PPB Quant Date : 9/20/2019 10:31 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 29674

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 32297 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A11.D
 Acq On : 20 Sep 2019 4:22 am
 Operator : VOA108:PD
 Sample : I8260STD180PPB
 Misc : WG1286620,ICAL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 20 10:31:34 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.512	96	172210	10.000	ug/L	0.00
Standard Area 1 = 167206			Recovery	=	102.99%	
59) Chlorobenzene-d5	8.504	117	127679	10.000	ug/L	0.00
Standard Area 1 = 123908			Recovery	=	103.04%	
79) 1,4-Dichlorobenzene-d4	9.987	152	61097	10.000	ug/L	0.00
Standard Area 1 = 62238			Recovery	=	98.17%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.530	113	42184	9.694	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.94%	
43) 1,2-Dichloroethane-d4	5.166	65	51596	9.494	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	94.94%	
60) Toluene-d8	7.207	98	167855	9.860	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.60%	
83) 4-Bromofluorobenzene	9.321	95	62101	10.151	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.51%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.963	85	345276	82.675	ug/L	99
3) Chloromethane	1.080	50	370908	76.171	ug/L	98
4) Vinyl chloride	1.136	62	417680	82.259	ug/L	96
5) Bromomethane	1.343	94	253496	69.655	ug/L	99
6) Chloroethane	1.423	64	255822M1	77.566	ug/L	
7) Trichlorofluoromethane	1.518	101	575000	82.349	ug/L	97
8) Ethyl ether	1.761	74	164209	79.511	ug/L	72
10) 1,1-Dichloroethene	1.889	96	301211	82.891	ug/L #	71
11) Carbon disulfide	1.897	76	925758	80.617	ug/L	97
12) Freon-113	1.931	101	300142	82.302	ug/L	97
13) Iodomethane	1.992	142	368679	82.648	ug/L	90
14) Acrolein	2.168	56	50551M1	91.661	ug/L	
15) Methylene chloride	2.380	84	329708	76.410	ug/L	75
17) Acetone	2.433	43	67098	75.286	ug/L	98
18) trans-1,2-Dichloroethene	2.528	96	322066	81.474	ug/L	83
19) Methyl acetate	2.564	43	164547	81.094	ug/L #	90
20) Methyl tert-butyl ether	2.650	73	839561	77.390	ug/L	96
21) tert-Butyl alcohol	2.795	59	124453	415.030	ug/L #	58
22) Diisopropyl ether	3.080	45	1105678	76.787	ug/L	95
23) 1,1-Dichloroethane	3.166	63	644962M1	78.734	ug/L	
24) Halothane	3.314	117	249580	83.924	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A11.D
 Acq On : 20 Sep 2019 4:22 am
 Operator : VOA108:PD
 Sample : I8260STDL80PPB
 Misc : WG1286620,ICAL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 20 10:31:34 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.230	53	90174	82.116	ug/L	95
26) Ethyl tert-butyl ether	3.526	59	1110906	77.498	ug/L	91
27) Vinyl acetate	3.532	43	777405	89.250	ug/L #	95
28) cis-1,2-Dichloroethene	3.858	96	351630	78.374	ug/L #	72
29) 2,2-Dichloropropane	3.995	77	499759	81.130	ug/L	93
30) Bromochloromethane	4.131	128	169307	83.033	ug/L #	59
31) Cyclohexane	4.103	56	607663	82.434	ug/L	77
32) Chloroform	4.290	83	613982	76.682	ug/L	96
33) Ethyl acetate	4.524	43	293939M1	83.546	ug/L	
34) Carbon tetrachloride	4.410	117	458230	81.370	ug/L	99
35) Tetrahydrofuran	4.463	42	65548M1	83.046	ug/L	
37) 1,1,1-Trichloroethane	4.508	97	570516	80.662	ug/L #	96
39) 2-Butanone	4.708	43	125765	94.184	ug/L #	42
40) 1,1-Dichloropropene	4.681	75	458386	81.126	ug/L	96
41) Benzene	4.990	78	1325908	75.513	ug/L	92
42) tert-Amyl methyl ether	5.210	73	925682	78.038	ug/L	92
44) 1,2-Dichloroethane	5.247	62	496830	75.981	ug/L	99
47) Methyl cyclohexane	5.668	83	576399	82.954	ug/L #	77
48) Trichloroethene	5.707	95	359942	76.013	ug/L	98
50) Dibromomethane	6.153	93	209646	78.816	ug/L	97
51) 1,2-Dichloropropane	6.262	63	361922	77.525	ug/L	96
53) 2-Chloroethyl vinyl ether	7.017	63	230935	80.488	ug/L	93
54) Bromodichloromethane	6.373	83	504713	77.802	ug/L	99
57) 1,4-Dioxane	6.594	88	20143	879.829	ug/L #	73
58) cis-1,3-Dichloropropene	7.029	75	582141	79.508	ug/L	94
61) Toluene	7.257	92	873499	77.600	ug/L	95
62) 4-Methyl-2-pentanone	7.659	58	113630	81.263	ug/L #	97
63) Tetrachloroethene	7.611	166	374442	78.816	ug/L	92
65) trans-1,3-Dichloropropene	7.681	75	519208	80.123	ug/L	96
67) Ethyl methacrylate	7.865	69	399483	84.431	ug/L	99
68) 1,1,2-Trichloroethane	7.809	83	241392	76.508	ug/L	94
69) Chlorodibromomethane	7.943	129	361611	78.791	ug/L	98
70) 1,3-Dichloropropane	8.019	76	490448	75.164	ug/L	99
71) 1,2-Dibromoethane	8.102	107	287219	78.046	ug/L	99
72) 2-Hexanone	8.339	43	192321	80.516	ug/L	94
73) Chlorobenzene	8.515	112	945550	76.129	ug/L	91
74) Ethylbenzene	8.554	91	1689205	78.490	ug/L	99
75) 1,1,1,2-Tetrachloroethane	8.573	131	349754	77.080	ug/L	95
76) p/m Xylene	8.660	106	1298881	159.065	ug/L	96
77) o Xylene	8.944	106	1232069	156.994	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A11.D
 Acq On : 20 Sep 2019 4:22 am
 Operator : VOA108:PD
 Sample : I8260STD180PPB
 Misc : WG1286620,ICAL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 20 10:31:34 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	8.981	104	2091823	160.565	ug/L	90
80)	Bromoform	8.986	173	226217	81.754	ug/L	96
82)	Isopropylbenzene	9.154	105	1633504	79.173	ug/L	97
84)	Bromobenzene	9.374	156	384498	76.661	ug/L	98
85)	n-Propylbenzene	9.413	91	1899576	79.635	ug/L	97
86)	1,4-Dichlorobutane	9.416	55	478117	75.980	ug/L	95
87)	1,1,2,2-Tetrachloroethane	9.466	83	327302	75.205	ug/L	100
88)	4-Ethyltoluene	9.483	105	1517568	80.024	ug/L	98
89)	2-Chlorotoluene	9.494	91	1272960	78.164	ug/L	97
90)	1,3,5-Trimethylbenzene	9.536	105	1324303	79.784	ug/L	92
91)	1,2,3-Trichloropropane	9.533	75	264174	82.981	ug/L	99
92)	trans-1,4-Dichloro-2-b...	9.566	53	91636M1	81.439	ug/L	
93)	4-Chlorotoluene	9.597	91	1143371	77.748	ug/L	96
94)	tert-Butylbenzene	9.722	119	1300394	78.166	ug/L	94
95)	Pentachloroethane	9.731	167	234333	75.564	ug/L	96
97)	1,2,4-Trimethylbenzene	9.764	105	1298795	78.824	ug/L	94
98)	sec-Butylbenzene	9.826	105	1535812	78.235	ug/L	99
99)	p-Isopropyltoluene	9.912	119	1391679	79.433	ug/L	96
100)	1,3-Dichlorobenzene	9.943	146	706848	76.172	ug/L	99
101)	1,4-Dichlorobenzene	9.996	146	718200	75.246	ug/L	98
102)	p-Diethylbenzene	10.124	119	802789	80.208	ug/L	94
103)	n-Butylbenzene	10.155	91	1282363	79.587	ug/L	98
104)	1,2-Dichlorobenzene	10.236	146	666655	75.692	ug/L	98
105)	1,2,4,5-Tetramethylben...	10.579	119	1304542	85.859	ug/L	98
106)	1,2-Dibromo-3-chloropr...	10.690	155	52448	84.519	ug/L	92
107)	1,3,5-Trichlorobenzene	10.707	180	522507	80.074	ug/L	95
108)	Hexachlorobutadiene	11.053	225	232888	80.966	ug/L	96
109)	1,2,4-Trichlorobenzene	11.067	180	500218	80.453	ug/L	98
110)	Naphthalene	11.248	128	1100931	82.653	ug/L	100
111)	1,2,3-Trichlorobenzene	11.348	180	460927	81.563	ug/L	100

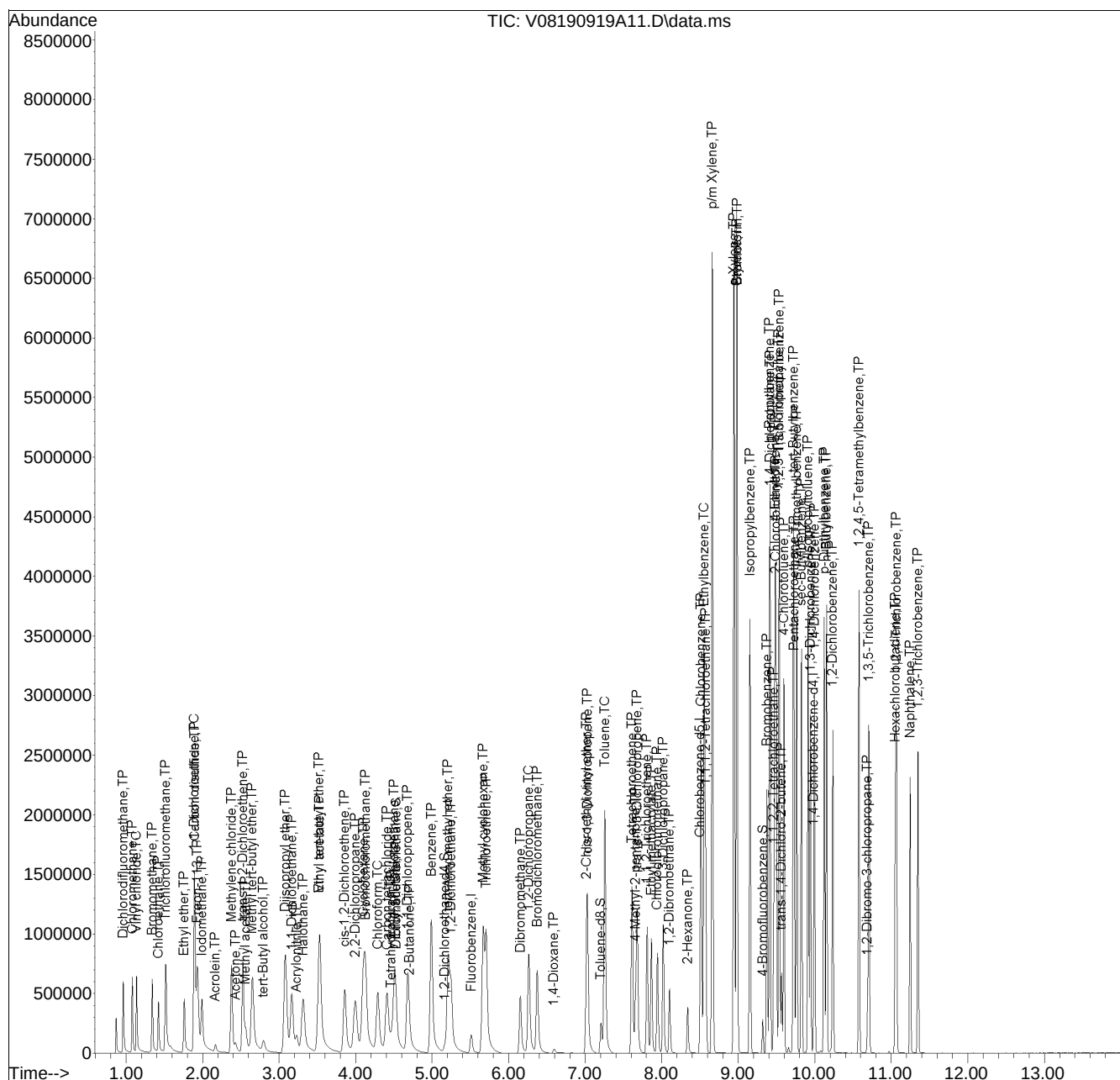
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A11.D
 Acq On : 20 Sep 2019 4:22 am
 Operator : VOA108:PD
 Sample : I8260STDL80PPB
 Misc : WG1286620,ICAL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 20 10:31:34 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

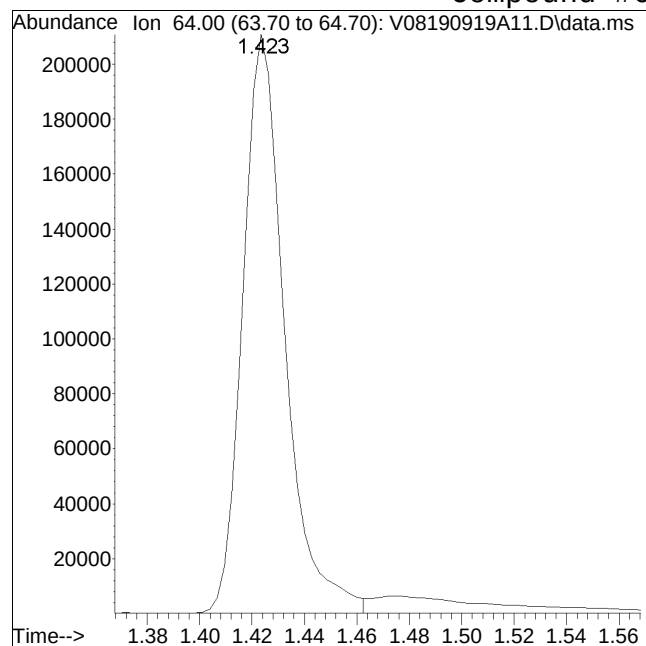
Sub List : 8260-CurvePenta - All compounds listed8190919A09.D•



Manual Integration Report

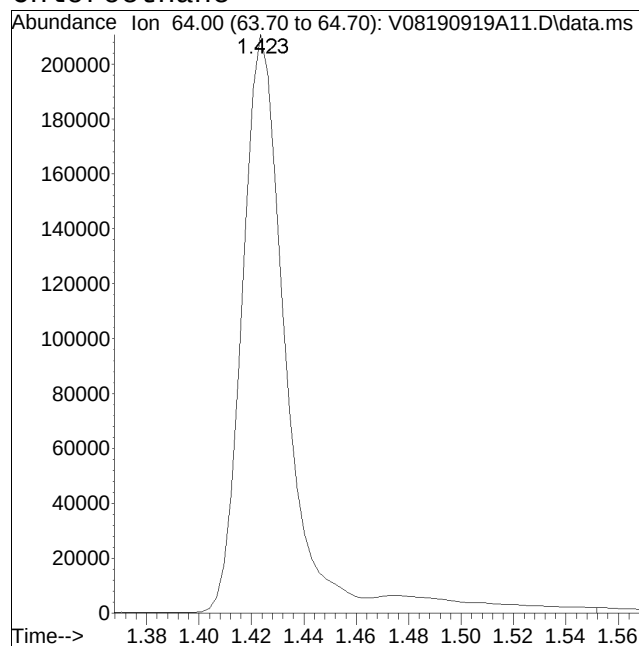
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A11.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 4:22 am Instrument : VOA 108
Sample : I8260STDL80PPB Quant Date : 9/20/2019 10:31 am

Compound #6: Chloroethane



Original Peak Response = 233607

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

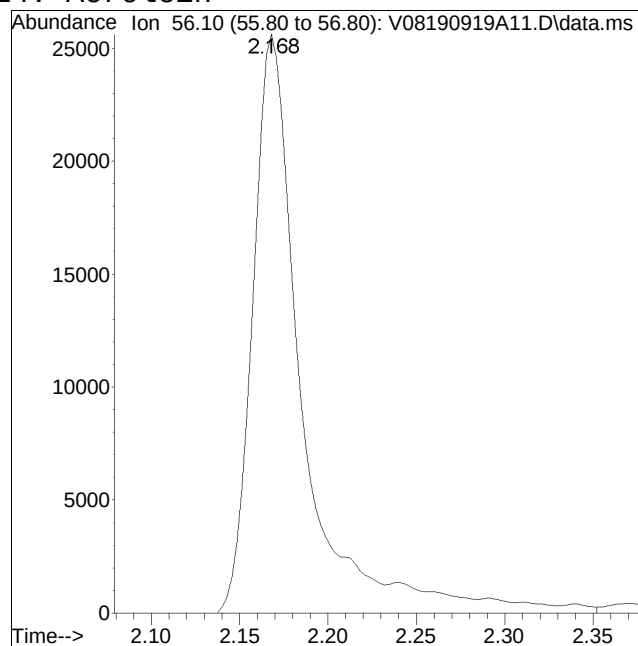
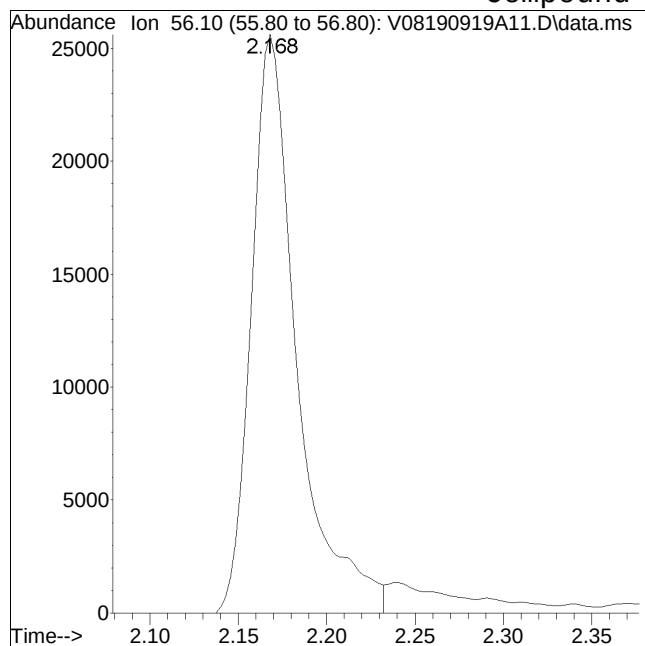


Manual Peak Response = 255822 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A11.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 4:22 am Instrument : VOA 108
Sample : I8260STDL80PPB Quant Date : 9/20/2019 10:31 am

Compound #14: Acrolein



Original Peak Response = 45822

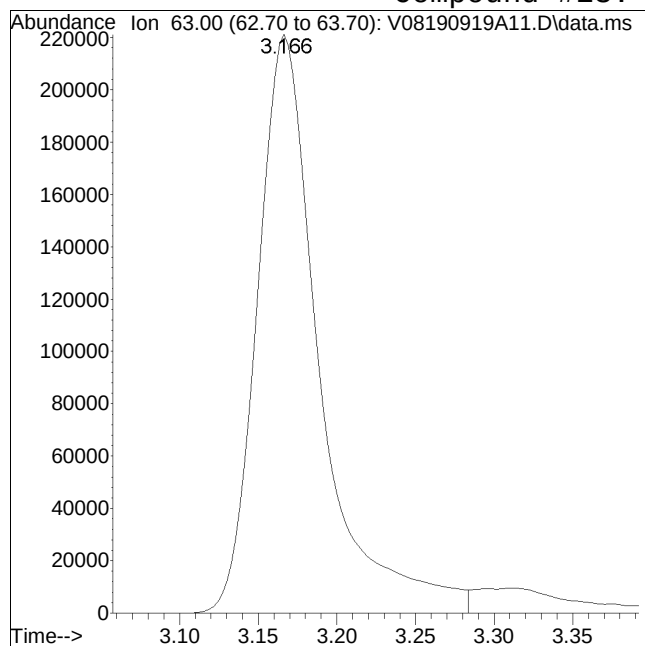
Manual Peak Response = 50551 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

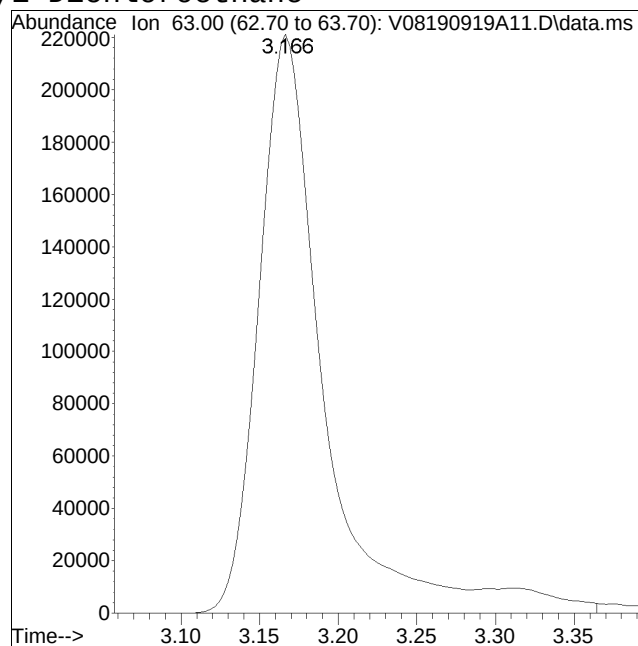
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A11.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 4:22 am Instrument : VOA 108
Sample : I8260STDL80PPB Quant Date : 9/20/2019 10:31 am

Compound #23: 1,1-Dichloroethane



Original Peak Response = 609379

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

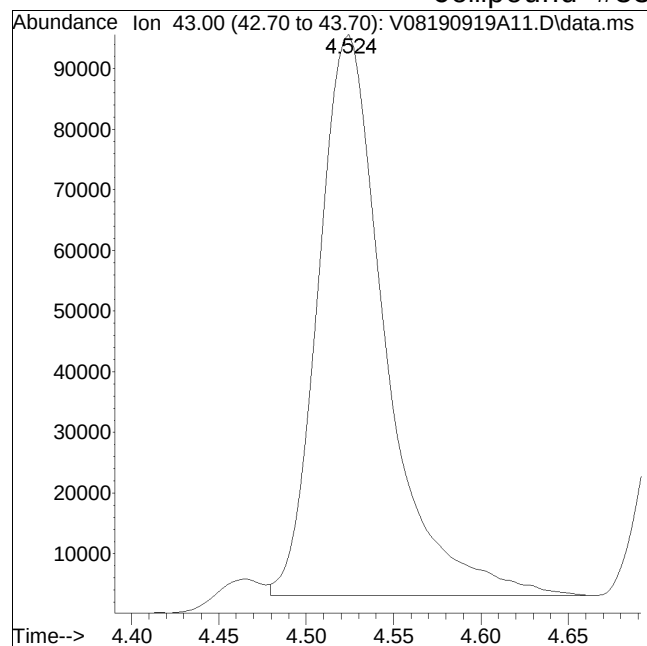


Manual Peak Response = 644962 M1

Manual Integration Report

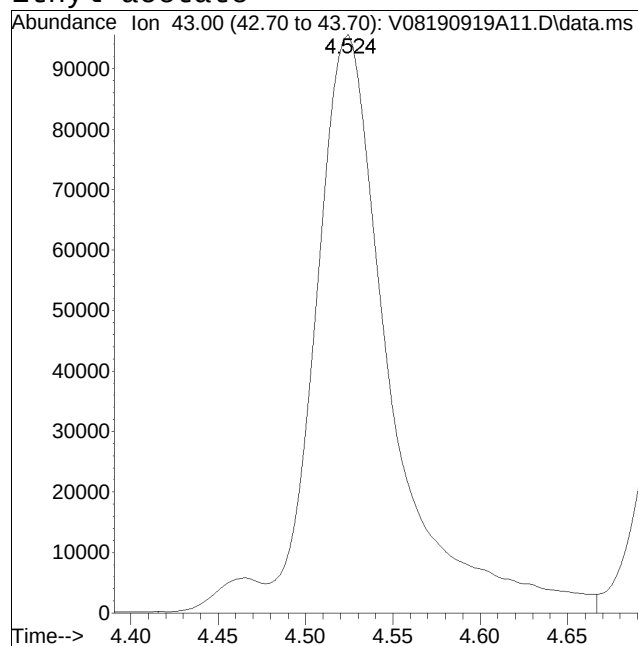
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A11.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 4:22 am Instrument : VOA 108
Sample : I8260STDL80PPB Quant Date : 9/20/2019 10:31 am

Compound #33: Ethyl acetate



Original Peak Response = 247158

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

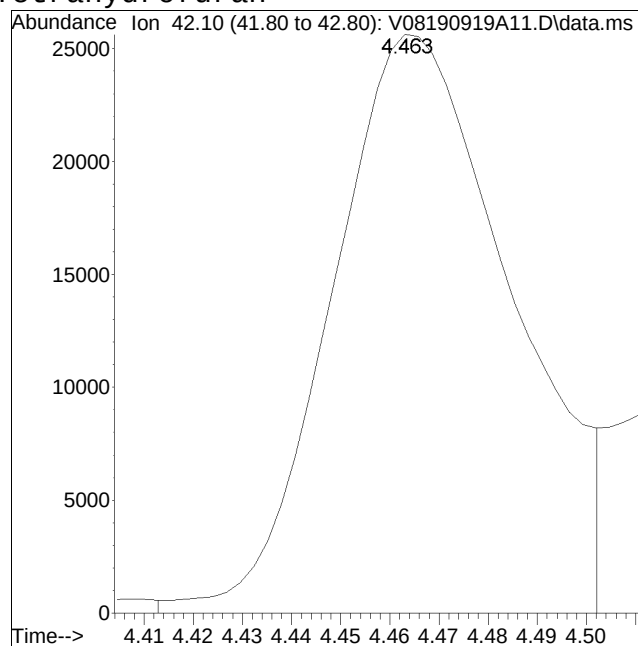
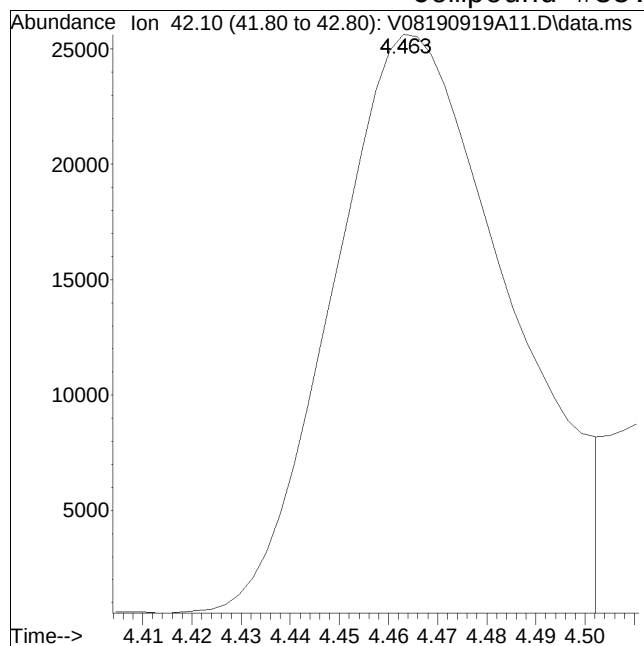


Manual Peak Response = 293939 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A11.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 4:22 am Instrument : VOA 108
Sample : I8260STD L80PPB Quant Date : 9/20/2019 10:31 am

Compound #35: Tetrahydrofuran



Original Peak Response = 62510

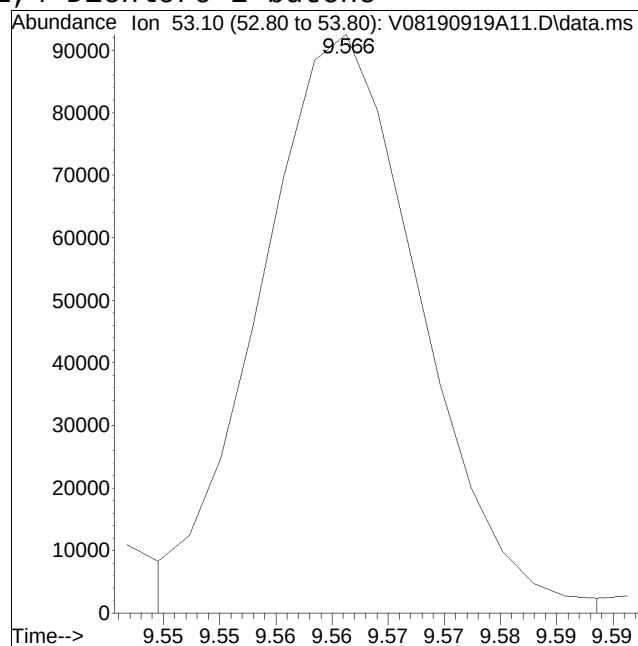
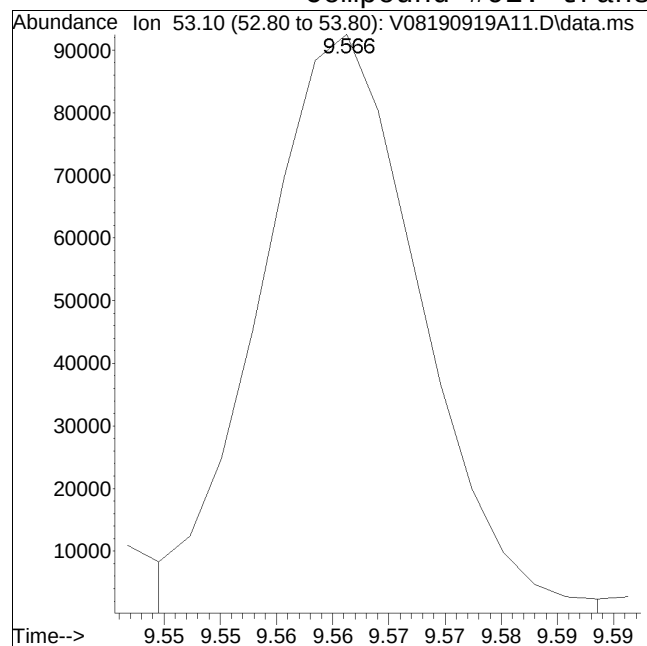
Manual Peak Response = 65548 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A11.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 4:22 am Instrument : VOA 108
Sample : I8260STDL80PPB Quant Date : 9/20/2019 10:31 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 91336

Manual Peak Response = 91636 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A12.D
 Acq On : 20 Sep 2019 4:44 am
 Operator : VOA108:PD
 Sample : I8260STD120PPB
 Misc : WG1286620,ICAL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 20 10:31:46 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.511	96	170782	10.000	ug/L	0.00
Standard Area 1 = 167206			Recovery	=	102.14%	
59) Chlorobenzene-d5	8.504	117	124934	10.000	ug/L	0.00
Standard Area 1 = 123908			Recovery	=	100.83%	
79) 1,4-Dichlorobenzene-d4	9.987	152	58518	10.000	ug/L	0.00
Standard Area 1 = 62238			Recovery	=	94.02%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.530	113	42282	9.798	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.98%	
43) 1,2-Dichloroethane-d4	5.166	65	50726	9.412	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	94.12%	
60) Toluene-d8	7.207	98	164619	9.882	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.82%	
83) 4-Bromofluorobenzene	9.321	95	58280	9.946	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.46%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.963	85	518004	125.072	ug/L	100
3) Chloromethane	1.080	50	555607	115.055	ug/L	100
4) Vinyl chloride	1.136	62	616373	122.405	ug/L	96
5) Bromomethane	1.342	94	388879	107.749	ug/L	98
6) Chloroethane	1.423	64	341799	104.501	ug/L	97
7) Trichlorofluoromethane	1.518	101	854400	123.387	ug/L	95
8) Ethyl ether	1.761	74	247898	121.038	ug/L	71
10) 1,1-Dichloroethene	1.889	96	450237	124.938	ug/L	# 71
11) Carbon disulfide	1.897	76	1395612	122.548	ug/L	97
12) Freon-113	1.931	101	446734	123.523	ug/L	95
13) Iodomethane	1.992	142	575318	125.011	ug/L	88
14) Acrolein	2.168	56	72571	132.689	ug/L	91
15) Methylene chloride	2.380	84	491363	114.826	ug/L	74
17) Acetone	2.430	43	99773	112.885	ug/L	96
18) trans-1,2-Dichloroethene	2.528	96	484296	123.539	ug/L	81
19) Methyl acetate	2.564	43	245445	121.975	ug/L	# 89
20) Methyl tert-butyl ether	2.650	73	1251674	116.342	ug/L	95
21) tert-Butyl alcohol	2.795	59	180665	607.525	ug/L	# 56
22) Diisopropyl ether	3.080	45	1650327	115.571	ug/L	97
23) 1,1-Dichloroethane	3.166	63	916735	112.846	ug/L	98
24) Halothane	3.314	117	370865	125.750	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A12.D
 Acq On : 20 Sep 2019 4:44 am
 Operator : VOA108:PD
 Sample : I8260STD120PPB
 Misc : WG1286620,ICAL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 20 10:31:46 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.230	53	134467	123.474	ug/L	97
26) Ethyl tert-butyl ether	3.526	59	1662064	116.917	ug/L	90
27) Vinyl acetate	3.532	43	1161961	134.514	ug/L #	95
28) cis-1,2-Dichloroethene	3.858	96	530750	119.286	ug/L #	72
29) 2,2-Dichloropropane	3.994	77	736514	120.565	ug/L	93
30) Bromochloromethane	4.131	128	244259	120.793	ug/L #	61
31) Cyclohexane	4.103	56	908505	124.277	ug/L	77
32) Chloroform	4.290	83	912543	114.923	ug/L	96
33) Ethyl acetate	4.522	43	414831M1	120.555	ug/L	
34) Carbon tetrachloride	4.410	117	683712	122.425	ug/L	99
35) Tetrahydrofuran	4.463	42	98179M1	125.429	ug/L	
37) 1,1,1-Trichloroethane	4.508	97	843833	120.302	ug/L #	95
39) 2-Butanone	4.708	43	176742	133.467	ug/L #	37
40) 1,1-Dichloropropene	4.683	75	682862	121.865	ug/L	96
41) Benzene	4.990	78	1982524	113.852	ug/L	92
42) tert-Amyl methyl ether	5.210	73	1367052	116.211	ug/L	92
44) 1,2-Dichloroethane	5.249	62	728777	112.385	ug/L	98
47) Methyl cyclohexane	5.668	83	866754	125.785	ug/L #	77
48) Trichloroethene	5.707	95	536375	114.219	ug/L	98
50) Dibromomethane	6.153	93	310910	117.863	ug/L	97
51) 1,2-Dichloropropane	6.264	63	540648	116.777	ug/L	97
53) 2-Chloroethyl vinyl ether	7.017	63	343052	120.564	ug/L	92
54) Bromodichloromethane	6.373	83	752471	116.964	ug/L	98
57) 1,4-Dioxane	6.596	88	26724	1177.041	ug/L #	78
58) cis-1,3-Dichloropropene	7.029	75	876064	120.652	ug/L	92
61) Toluene	7.257	92	1305063	118.487	ug/L	95
62) 4-Methyl-2-pentanone	7.659	58	164507	120.233	ug/L #	97
63) Tetrachloroethene	7.611	166	557742	119.978	ug/L	92
65) trans-1,3-Dichloropropene	7.681	75	776868	122.519	ug/L	95
67) Ethyl methacrylate	7.865	69	581851	125.676	ug/L	99
68) 1,1,2-Trichloroethane	7.809	83	357613	115.834	ug/L	95
69) Chlorodibromomethane	7.943	129	533451	118.787	ug/L	97
70) 1,3-Dichloropropane	8.021	76	724134	113.416	ug/L	99
71) 1,2-Dibromoethane	8.102	107	421506	117.053	ug/L	99
72) 2-Hexanone	8.339	43	274388	117.397	ug/L	94
73) Chlorobenzene	8.515	112	1391178	114.468	ug/L	92
74) Ethylbenzene	8.554	91	2471108	117.344	ug/L	99
75) 1,1,1,2-Tetrachloroethane	8.573	131	512649	115.462	ug/L	95
76) p/m Xylene	8.663	106	1893830	237.020	ug/L	96
77) o Xylene	8.947	106	1792731	233.454	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A12.D
 Acq On : 20 Sep 2019 4:44 am
 Operator : VOA108:PD
 Sample : I8260STD120PPB
 Misc : WG1286620,ICAL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 20 10:31:46 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	8.983	104	3033205	237.939	ug/L	90
80)	Bromoform	8.986	173	328794	124.061	ug/L	96
82)	Isopropylbenzene	9.153	105	2348651	118.852	ug/L	97
84)	Bromobenzene	9.377	156	556560	115.858	ug/L	97
85)	n-Propylbenzene	9.413	91	2735630	119.739	ug/L	97
86)	1,4-Dichlorobutane	9.418	55	684017	113.491	ug/L	95
87)	1,1,2,2-Tetrachloroethane	9.466	83	469689	112.678	ug/L	99
88)	4-Ethyltoluene	9.482	105	2176806	119.846	ug/L	98
89)	2-Chlorotoluene	9.496	91	1823983	116.935	ug/L	96
90)	1,3,5-Trimethylbenzene	9.538	105	1908236	120.030	ug/L	91
91)	1,2,3-Trichloropropane	9.533	75	378207	124.230	ug/L	99
92)	trans-1,4-Dichloro-2-b...	9.566	53	132883M1	123.301	ug/L	
93)	4-Chlorotoluene	9.600	91	1642420	116.605	ug/L	96
94)	tert-Butylbenzene	9.722	119	1890537	118.648	ug/L	93
95)	Pentachloroethane	9.731	167	361012	121.544	ug/L	98
97)	1,2,4-Trimethylbenzene	9.764	105	1880786	119.176	ug/L	94
98)	sec-Butylbenzene	9.825	105	2204251	117.235	ug/L	99
99)	p-Isopropyltoluene	9.915	119	2018575	120.293	ug/L	96
100)	1,3-Dichlorobenzene	9.943	146	1032566	116.176	ug/L	98
101)	1,4-Dichlorobenzene	9.998	146	1051801	115.055	ug/L	98
102)	p-Diethylbenzene	10.124	119	1182481	123.351	ug/L	95
103)	n-Butylbenzene	10.155	91	1857027	120.332	ug/L	97
104)	1,2-Dichlorobenzene	10.238	146	976847	115.799	ug/L	98
105)	1,2,4,5-Tetramethylben...	10.578	119	1948270	133.878	ug/L	98
106)	1,2-Dibromo-3-chloropr...	10.693	155	77283	130.029	ug/L	90
107)	1,3,5-Trichlorobenzene	10.710	180	791190	126.593	ug/L	94
108)	Hexachlorobutadiene	11.053	225	353802	128.424	ug/L	96
109)	1,2,4-Trichlorobenzene	11.066	180	753767	126.575	ug/L	99
110)	Naphthalene	11.248	128	1638360	128.421	ug/L	100
111)	1,2,3-Trichlorobenzene	11.348	180	689631	127.411	ug/L	100

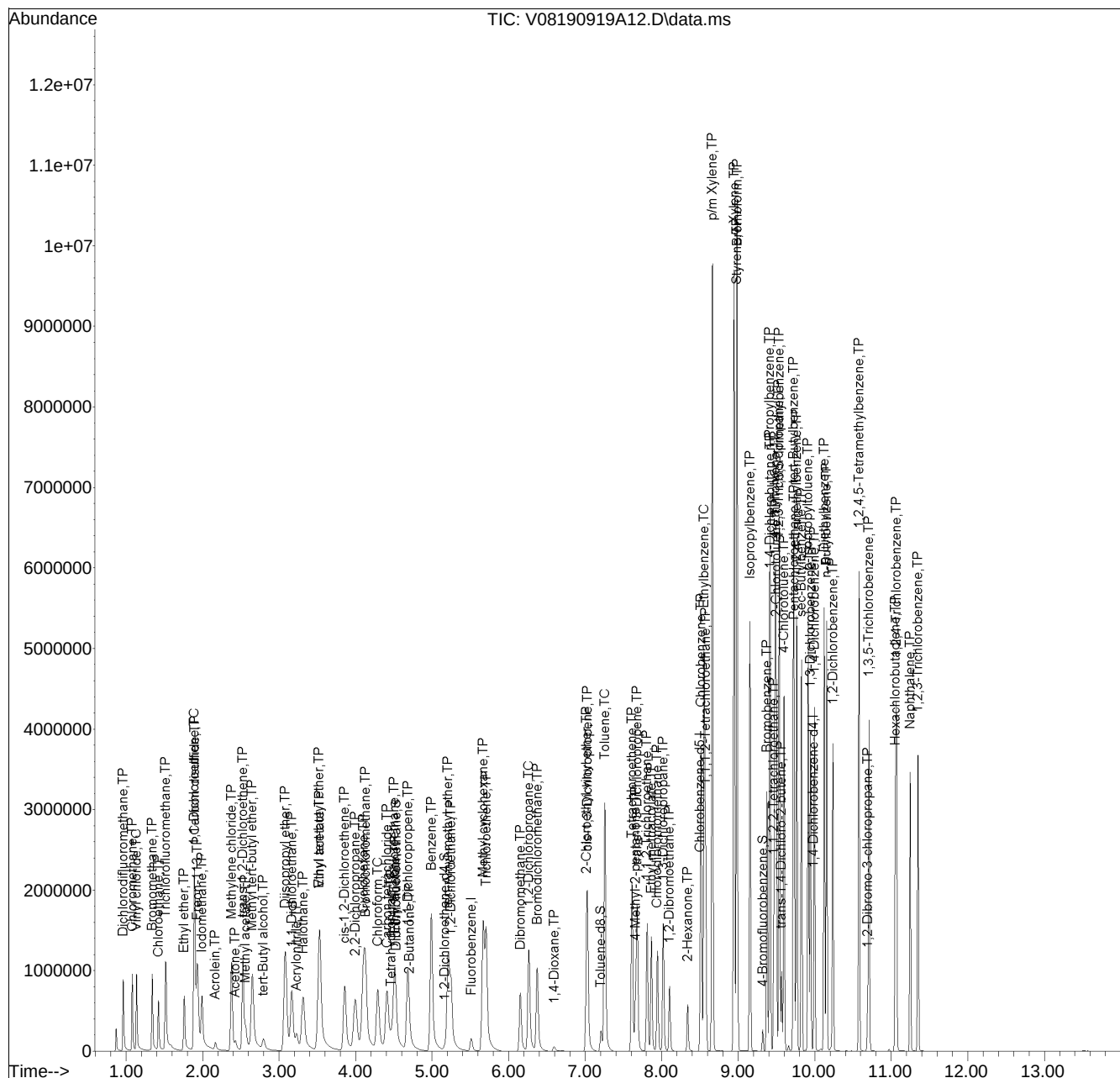
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A12.D
 Acq On : 20 Sep 2019 4:44 am
 Operator : VOA108:PD
 Sample : I8260STDL120PPB
 Misc : WG1286620,ICAL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 20 10:31:46 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

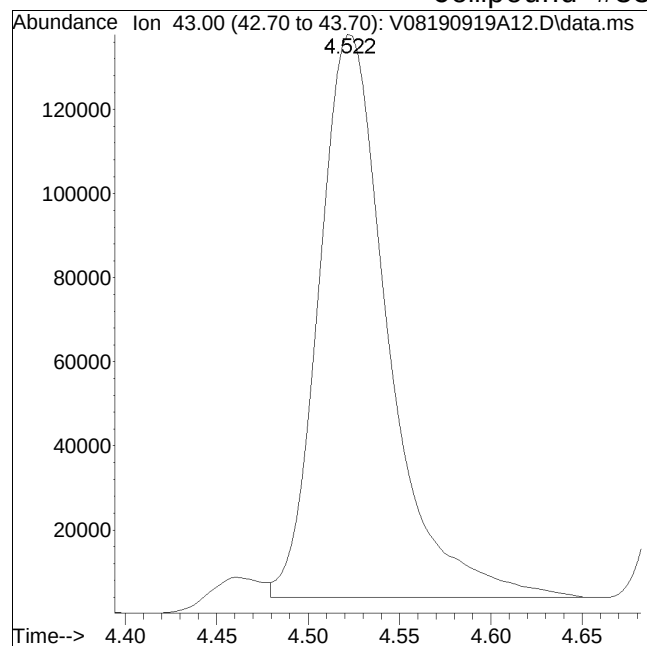
Sub List : 8260-CurvePenta - All compounds listed8190919A09.D•



Manual Integration Report

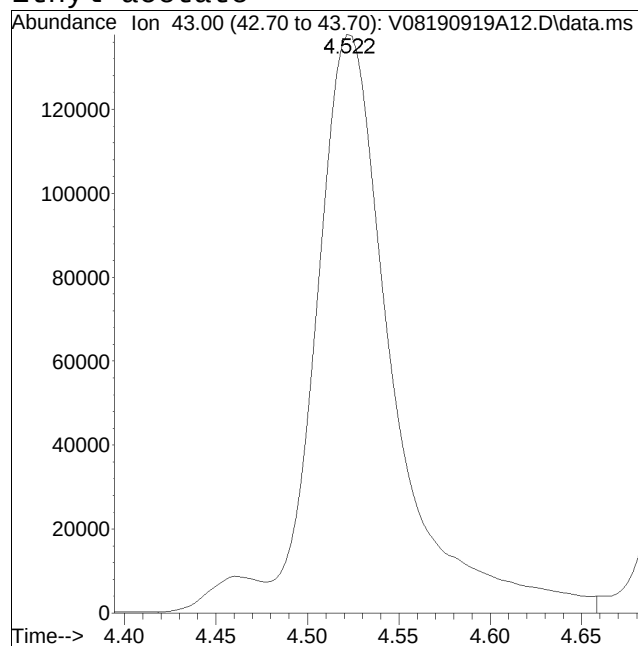
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A12.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 4:44 am Instrument : VOA 108
Sample : I8260STDL120PPB Quant Date : 9/20/2019 10:31 am

Compound #33: Ethyl acetate



Original Peak Response = 353276

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

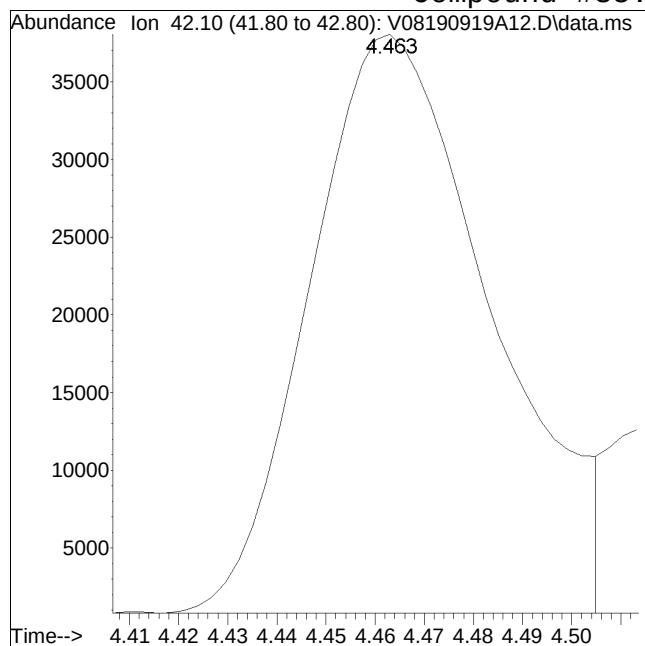


Manual Peak Response = 414831 M1

Manual Integration Report

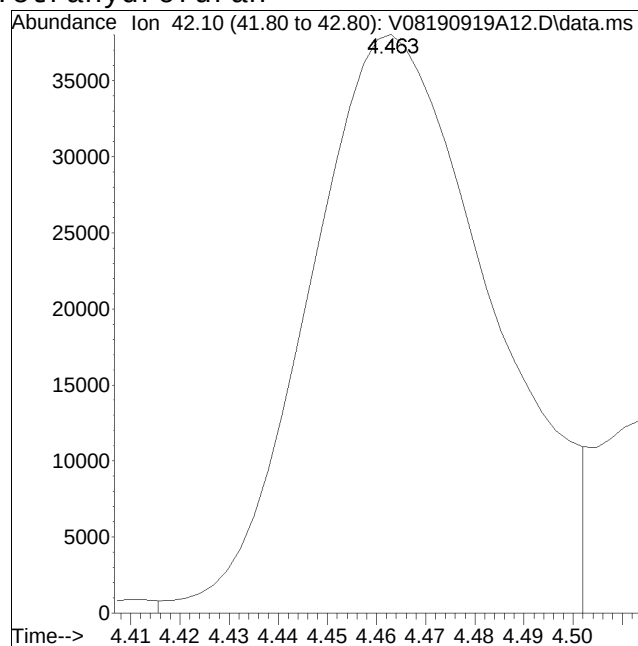
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A12.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 4:44 am Instrument : VOA 108
Sample : I8260STDL120PPB Quant Date : 9/20/2019 10:31 am

Compound #35: Tetrahydrofuran



Original Peak Response = 95646

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

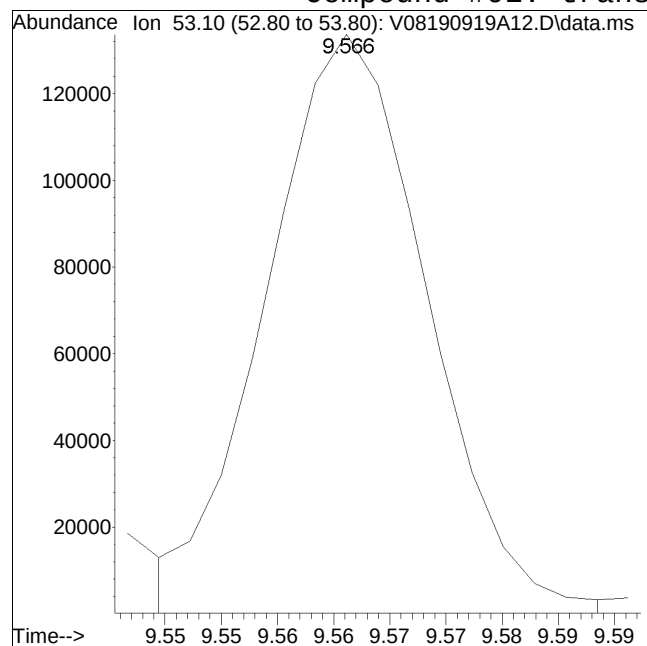


Manual Peak Response = 98179 M1

Manual Integration Report

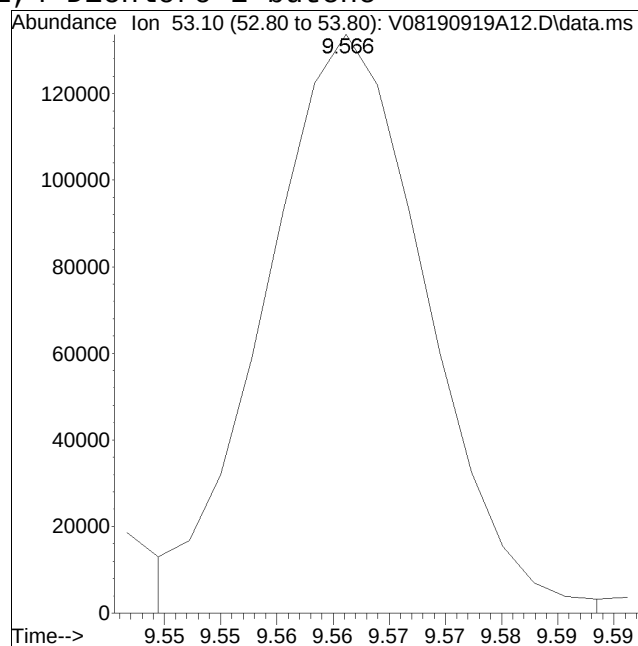
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A12.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 4:44 am Instrument : VOA 108
Sample : I8260STD120PPB Quant Date : 9/20/2019 10:31 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 132454

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 132883 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A13.D
 Acq On : 20 Sep 2019 5:06 am
 Operator : VOA108:PD
 Sample : I8260STD1200PPB
 Misc : WG1286620,ICAL
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 20 10:31:57 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.512	96	172869	10.000	ug/L	0.00
Standard Area 1 = 167206			Recovery	=	103.39%	
59) Chlorobenzene-d5	8.504	117	129013	10.000	ug/L	0.00
Standard Area 1 = 123908			Recovery	=	104.12%	
79) 1,4-Dichlorobenzene-d4	9.990	152	61864	10.000	ug/L	0.00
Standard Area 1 = 62238			Recovery	=	99.40%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.530	113	44518	10.192	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.92%	
43) 1,2-Dichloroethane-d4	5.169	65	52626	9.647	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.47%	
60) Toluene-d8	7.207	98	169535	9.856	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.56%	
83) 4-Bromofluorobenzene	9.321	95	58577	9.456	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	94.56%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.963	85	891080	212.553	ug/L	99
3) Chloromethane	1.081	50	961949	196.795	ug/L	99
4) Vinyl chloride	1.136	62	1052970	206.583	ug/L	95
5) Bromomethane	1.343	94	677492	185.450	ug/L	98
6) Chloroethane	1.424	64	578337	174.685	ug/L	98
7) Trichlorofluoromethane	1.516	101	1432780	204.415	ug/L	97
8) Ethyl ether	1.761	74	433273	208.995	ug/L	70
10) 1,1-Dichloroethene	1.889	96	779123	213.591	ug/L	# 70
11) Carbon disulfide	1.895	76	2408012	208.894	ug/L	97
12) Freon-113	1.931	101	776122	212.009	ug/L	97
13) Iodomethane	1.990	142	973903	196.890	ug/L	89
14) Acrolein	2.168	56	128469M1	232.058	ug/L	
15) Methylene chloride	2.377	84	843738	194.792	ug/L	74
17) Acetone	2.433	43	168671	188.533	ug/L	97
18) trans-1,2-Dichloroethene	2.525	96	838974	211.429	ug/L	80
19) Methyl acetate	2.564	43	419852	206.128	ug/L	# 91
20) Methyl tert-butyl ether	2.651	73	2104074	193.211	ug/L	94
21) tert-Butyl alcohol	2.801	59	300486	998.251	ug/L	# 56
22) Diisopropyl ether	3.083	45	2791536	193.128	ug/L	96
23) 1,1-Dichloroethane	3.166	63	1647161M1	200.311	ug/L	
24) Halothane	3.314	117	638184	213.778	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A13.D
 Acq On : 20 Sep 2019 5:06 am
 Operator : VOA108:PD
 Sample : I8260STD1200PPB
 Misc : WG1286620,ICAL
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 20 10:31:57 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.231	53	233519	211.840	ug/L	96
26) Ethyl tert-butyl ether	3.526	59	2821227	196.063	ug/L	91
27) Vinyl acetate	3.535	43	1964522	224.677	ug/L #	94
28) cis-1,2-Dichloroethene	3.858	96	939024	208.498	ug/L #	69
29) 2,2-Dichloropropane	3.995	77	1230159	198.942	ug/L	91
30) Bromochloromethane	4.134	128	410913	200.755	ug/L #	60
31) Cyclohexane	4.103	56	1533218	207.201	ug/L	76
32) Chloroform	4.290	83	1552054	193.102	ug/L	96
33) Ethyl acetate	4.522	43	676624M1	196.663	ug/L	
34) Carbon tetrachloride	4.410	117	1150064	203.444	ug/L	99
35) Tetrahydrofuran	4.460	42	170304M1	214.945	ug/L	
37) 1,1,1-Trichloroethane	4.508	97	1439031	202.680	ug/L #	95
39) 2-Butanone	4.709	43	300577	224.241	ug/L #	40
40) 1,1-Dichloropropene	4.681	75	1155705	203.760	ug/L	96
41) Benzene	4.990	78	3367043	191.028	ug/L	92
42) tert-Amyl methyl ether	5.213	73	2319965	194.835	ug/L	92
44) 1,2-Dichloroethane	5.250	62	1213967	184.946	ug/L	98
47) Methyl cyclohexane	5.668	83	1468790	210.579	ug/L #	76
48) Trichloroethene	5.707	95	910722	191.594	ug/L	98
50) Dibromomethane	6.153	93	525378	196.761	ug/L	96
51) 1,2-Dichloropropane	6.265	63	919650	196.241	ug/L	96
53) 2-Chloroethyl vinyl ether	7.018	63	579428	201.179	ug/L	91
54) Bromodichloromethane	6.373	83	1272939	195.476	ug/L	98
57) 1,4-Dioxane	6.599	88	45988	2001.058	ug/L #	79
58) cis-1,3-Dichloropropene	7.029	75	1494273	203.307	ug/L	90
61) Toluene	7.257	92	2224606	195.586	ug/L	95
62) 4-Methyl-2-pentanone	7.662	58	273169	193.339	ug/L #	95
63) Tetrachloroethene	7.612	166	946250	197.116	ug/L	91
65) trans-1,3-Dichloropropene	7.681	75	1304895	199.287	ug/L	92
67) Ethyl methacrylate	7.865	69	972982	203.513	ug/L	99
68) 1,1,2-Trichloroethane	7.810	83	595231	186.705	ug/L	95
69) Chlorodibromomethane	7.943	129	887306	191.335	ug/L	97
70) 1,3-Dichloropropane	8.021	76	1207585	183.156	ug/L	99
71) 1,2-Dibromoethane	8.102	107	699990	188.242	ug/L	98
72) 2-Hexanone	8.339	43	449800	186.362	ug/L	93
73) Chlorobenzene	8.515	112	2320307	184.882	ug/L	91
74) Ethylbenzene	8.557	91	4094819	188.300	ug/L	98
75) 1,1,1,2-Tetrachloroethane	8.574	131	854454	186.361	ug/L	95
76) p/m Xylene	8.663	106	3139245	380.467	ug/L	92
77) o Xylene	8.947	106	2970256	374.566	ug/L	88

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A13.D
 Acq On : 20 Sep 2019 5:06 am
 Operator : VOA108:PD
 Sample : I8260STD1200PPB
 Misc : WG1286620,ICAL
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 20 10:31:57 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	8.984	104	4954541	376.370	ug/L	90
80)	Bromoform	8.989	173	548226	195.670	ug/L	96
82)	Isopropylbenzene	9.154	105	3835205	183.581	ug/L	97
84)	Bromobenzene	9.377	156	938809	184.859	ug/L	97
85)	n-Propylbenzene	9.413	91	4476231	185.329	ug/L	96
86)	1,4-Dichlorobutane	9.419	55	1114342	174.890	ug/L	93
87)	1,1,2,2-Tetrachloroethane	9.466	83	778145	176.579	ug/L	100
88)	4-Ethyltoluene	9.483	105	3612216	188.117	ug/L	97
89)	2-Chlorotoluene	9.497	91	3013506	182.745	ug/L	95
90)	1,3,5-Trimethylbenzene	9.538	105	3145120	187.131	ug/L	90
91)	1,2,3-Trichloropropane	9.536	75	622979	193.782	ug/L	99
92)	trans-1,4-Dichloro-2-b...	9.566	53	212303M1	186.340	ug/L	
93)	4-Chlorotoluene	9.600	91	2689603	180.623	ug/L	94
94)	tert-Butylbenzene	9.723	119	3144246	186.656	ug/L	93
95)	Pentachloroethane	9.731	167	583900	185.953	ug/L	96
97)	1,2,4-Trimethylbenzene	9.764	105	3099741	185.792	ug/L	93
98)	sec-Butylbenzene	9.829	105	3599563	181.091	ug/L	97
99)	p-Isopropyltoluene	9.915	119	3329050	187.657	ug/L	95
100)	1,3-Dichlorobenzene	9.946	146	1751318	186.387	ug/L	98
101)	1,4-Dichlorobenzene	9.999	146	1774679	183.629	ug/L	98
102)	p-Diethylbenzene	10.124	119	1986463	196.011	ug/L	95
103)	n-Butylbenzene	10.158	91	3053960	187.188	ug/L	97
104)	1,2-Dichlorobenzene	10.238	146	1653483	185.408	ug/L	98
105)	1,2,4,5-Tetramethylben...	10.579	119	3260411	211.926	ug/L	96
106)	1,2-Dibromo-3-chloropr...	10.693	155	133800	212.944	ug/L	92
107)	1,3,5-Trichlorobenzene	10.710	180	1355788	205.198	ug/L	94
108)	Hexachlorobutadiene	11.056	225	604753	207.642	ug/L	96
109)	1,2,4-Trichlorobenzene	11.069	180	1294494	205.619	ug/L	99
110)	Naphthalene	11.248	128	2718871	201.590	ug/L	100
111)	1,2,3-Trichlorobenzene	11.351	180	1188486	207.700	ug/L	100

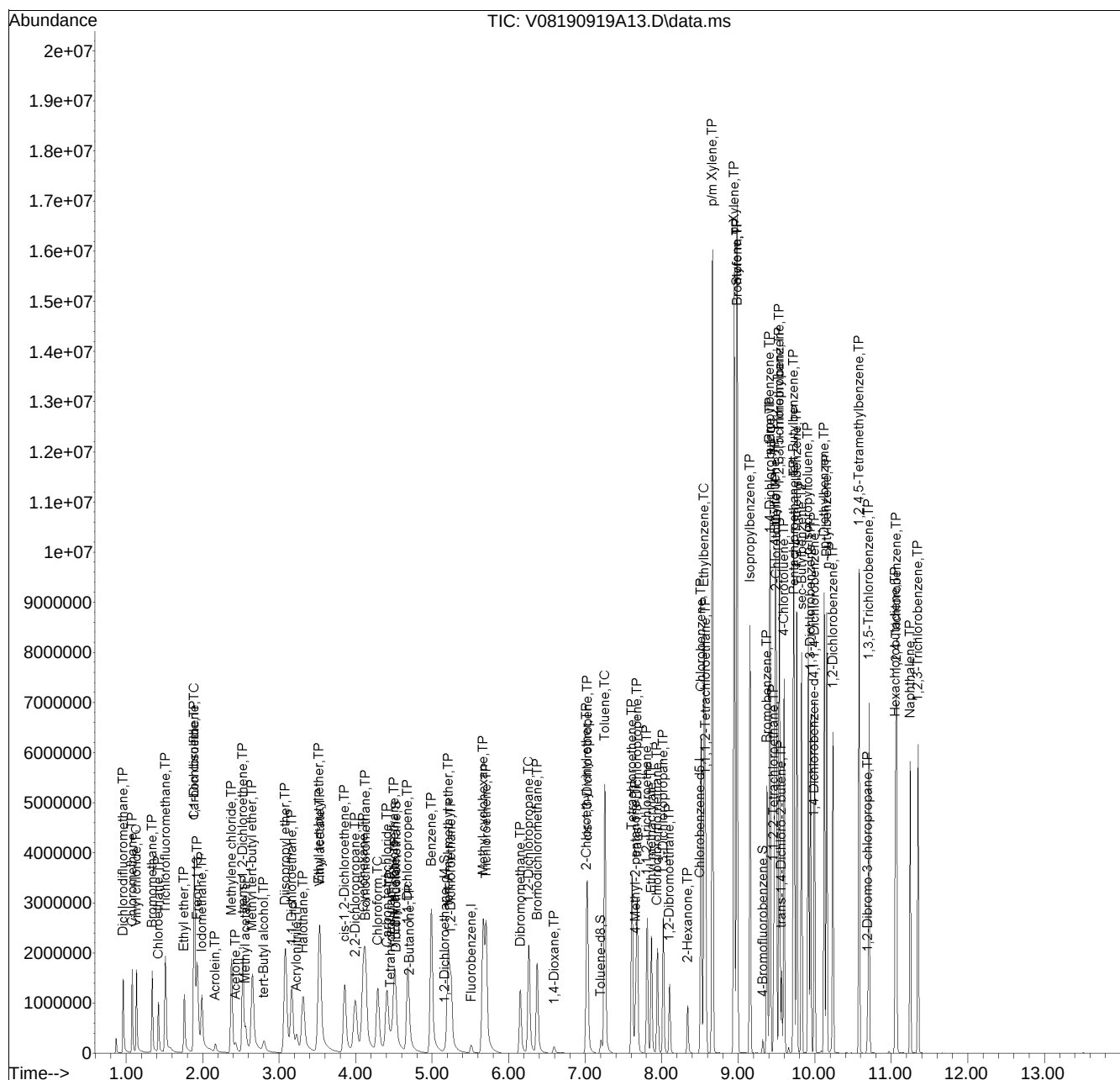
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A13.D
 Acq On : 20 Sep 2019 5:06 am
 Operator : VOA108:PD
 Sample : I8260STDL200PPB
 Misc : WG1286620,ICAL
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 20 10:31:57 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

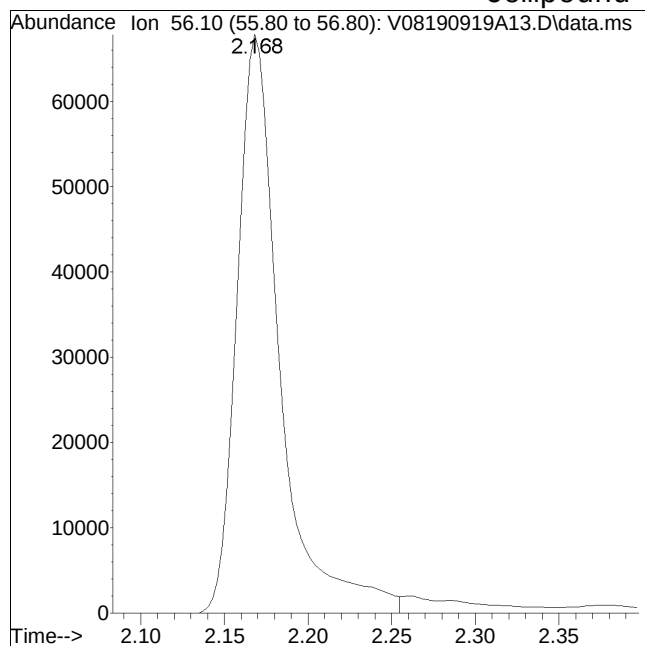
Sub List : 8260-CurvePenta - All compounds listed8190919A09.D•



Manual Integration Report

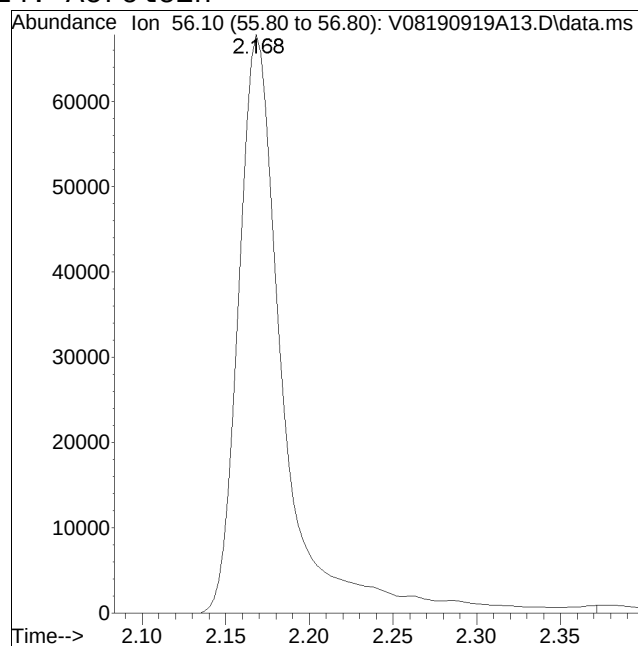
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A13.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 5:06 am Instrument : VOA 108
Sample : I8260STDL200PPB Quant Date : 9/20/2019 10:31 am

Compound #14: Acrolein



Original Peak Response = 120904

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

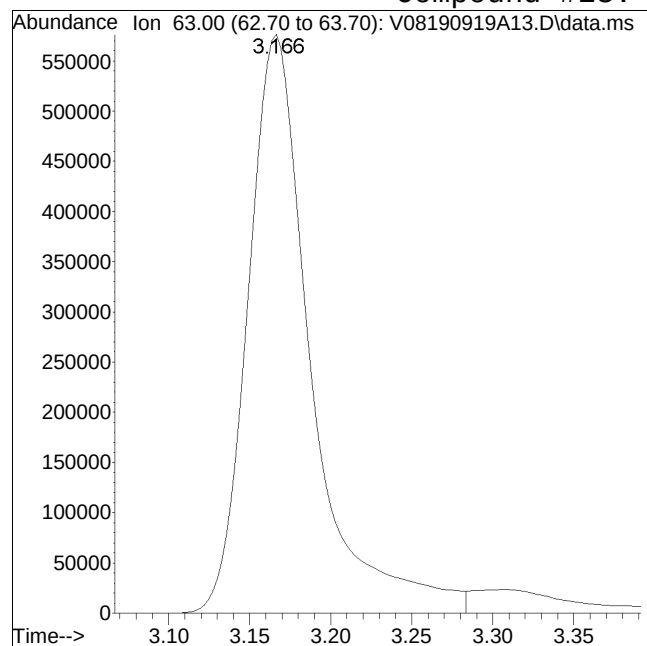


Manual Peak Response = 128469 M1

Manual Integration Report

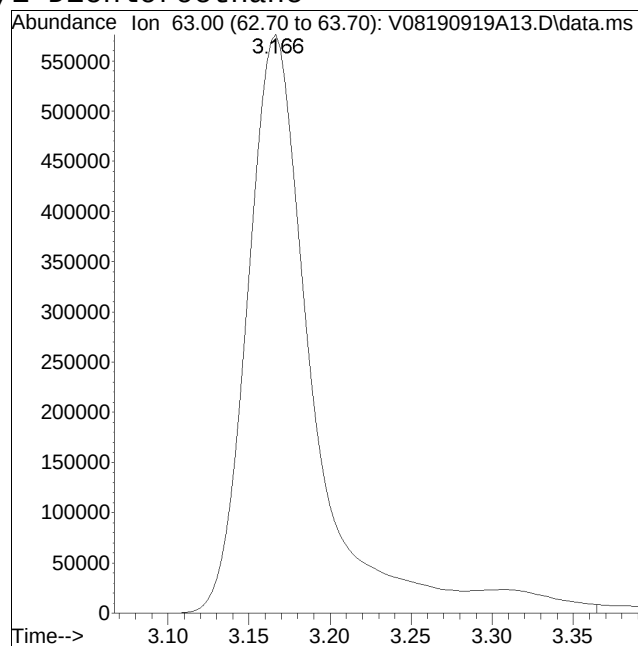
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A13.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 5:06 am Instrument : VOA 108
Sample : I8260STDL200PPB Quant Date : 9/20/2019 10:31 am

Compound #23: 1,1-Dichloroethane



Original Peak Response = 1561176

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

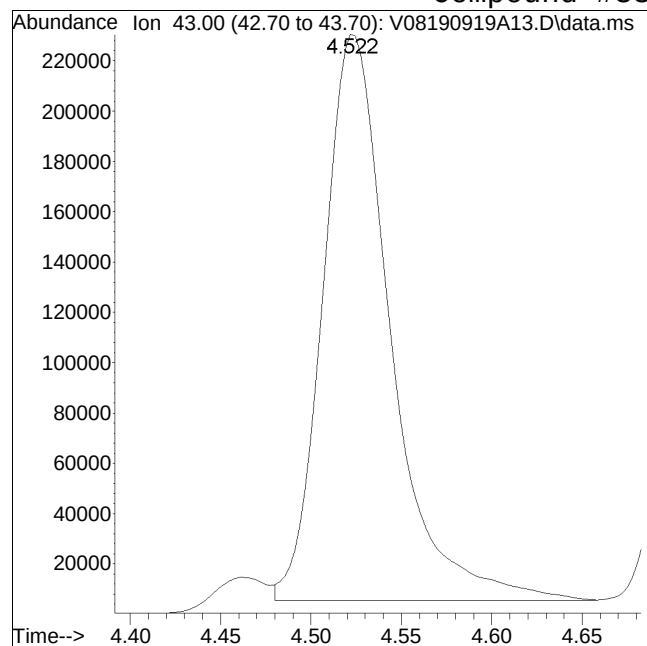


Manual Peak Response = 1647161 M1

Manual Integration Report

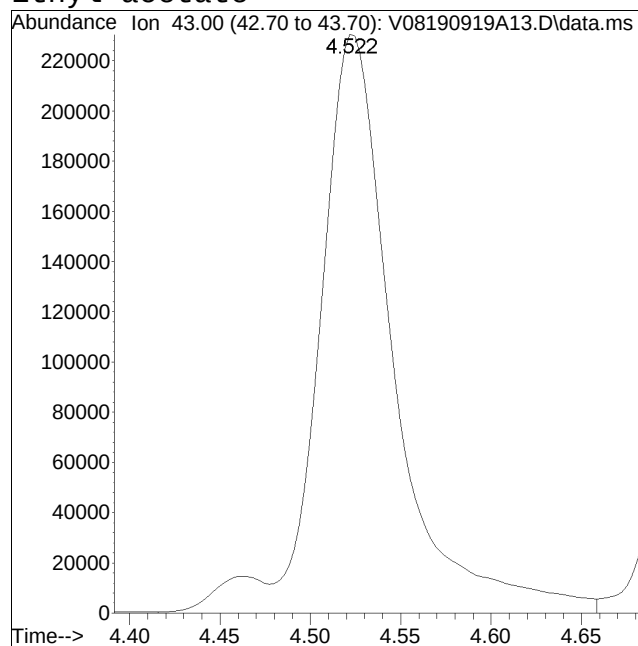
Data Path : I:\VOLATILES\VOA108\2019\1QMethod : V108_190819_8260.m
Data File : V08190919A13.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 5:06 am Instrument : VOA 108
Sample : I8260STDL200PPB Quant Date : 9/20/2019 10:31 am

Compound #33: Ethyl acetate



Original Peak Response = 584552

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

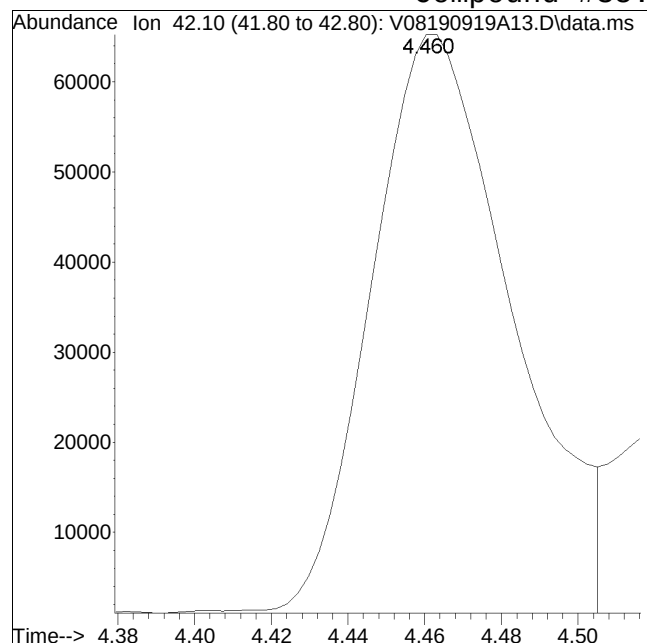


Manual Peak Response = 676624 M1

Manual Integration Report

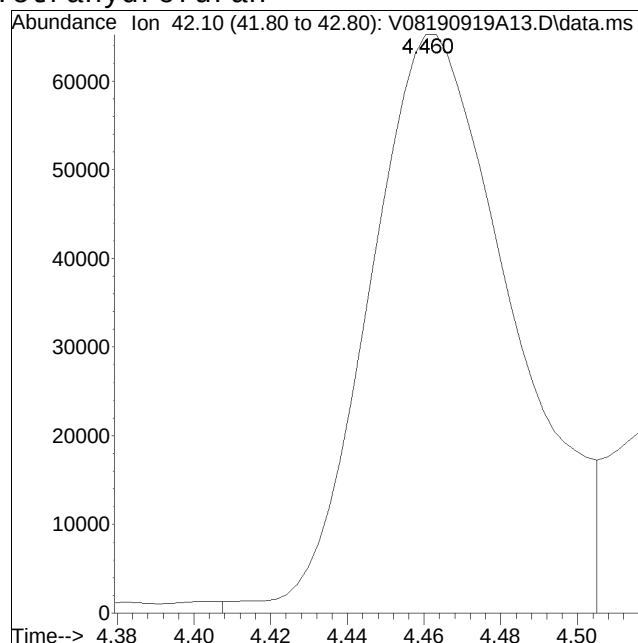
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A13.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 5:06 am Instrument : VOA 108
Sample : I8260STDL200PPB Quant Date : 9/20/2019 10:31 am

Compound #35: Tetrahydrofuran



Original Peak Response = 164319

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

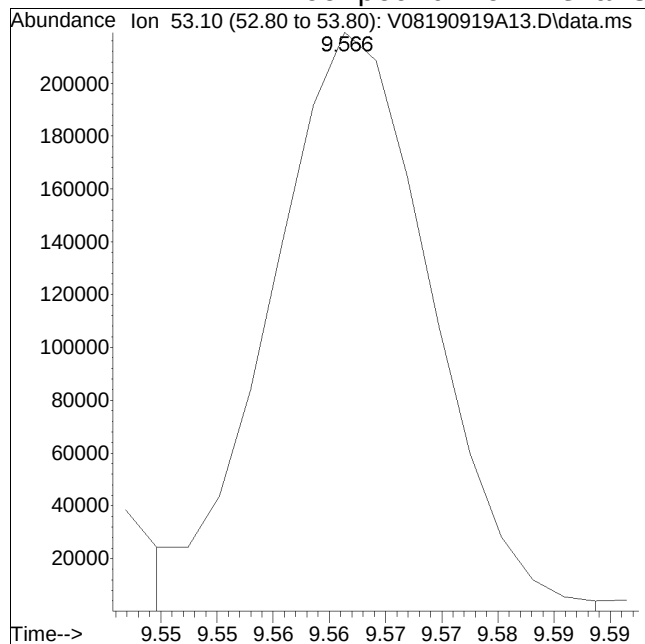


Manual Peak Response = 170304 M1

Manual Integration Report

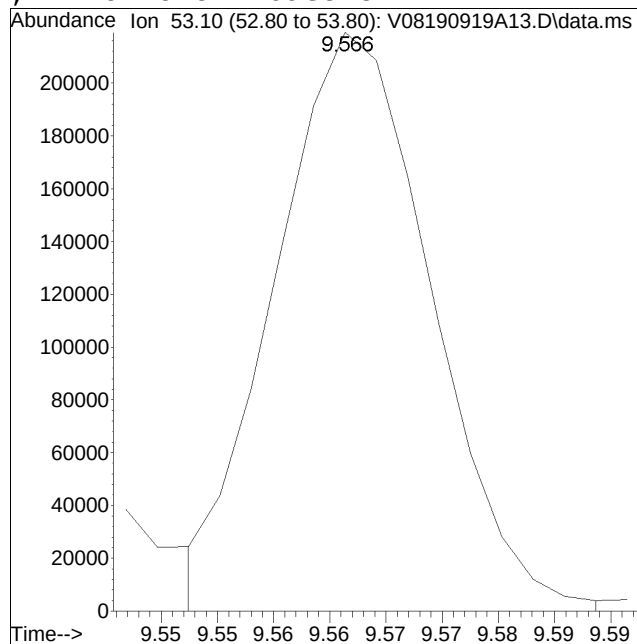
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A13.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 5:06 am Instrument : VOA 108
Sample : I8260STD L200PPB Quant Date : 9/20/2019 10:31 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 215897

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 212303 M1

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A20.D
 Acq On : 20 Sep 2019 7:39 am
 Operator : VOA108:PD
 Sample : C8260STD10PPB
 Misc : WG1286620,ICAL
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 20 10:52:49 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	105	0.00
2 TP	Dichlorodifluoromethane	0.243	0.260	-7.0	111	0.00
3 TP	Chloromethane	0.283	0.260	8.1	98	0.00
4 TC	Vinyl chloride	0.295	0.275	6.8	97	0.00
5 TP	Bromomethane	0.211	0.208	1.4	104	0.00
6 TP	Chloroethane	0.192	0.185	3.6	96	0.00
7 TP	Trichlorofluoromethane	0.405	0.387	4.4	96	0.00
8 TP	Ethyl ether	0.120	0.140	-16.7	128	0.00
10 TC	1,1-Dichloroethene	0.211	0.176	16.6	88	0.00
11 TP	Carbon disulfide	0.667	0.596	10.6	97	0.00
12 TP	Freon-113	0.212	0.194	8.5	88	0.00
13 TP	Iodomethane	* 10.000	8.943	10.6	109	0.00
14 TP	Acrolein	0.032	0.025#	21.9#	83	0.00
15 TP	Methylene chloride	0.251	0.210	16.3	93	0.00
17 TP	Acetone	0.052	0.055#	-5.8	109	0.00
18 TP	trans-1,2-Dichloroethene	0.230	0.207	10.0	96	0.00
19 TP	Methyl acetate	0.118	0.109	7.6	100	0.00
20 TP	Methyl tert-butyl ether	0.630	0.681	-8.1	128	0.00
21 TP	tert-Butyl alcohol	0.017	0.019#	-11.8	113	0.00
22 TP	Diisopropyl ether	0.836	0.881	-5.4	117	0.00
23 TP	1,1-Dichloroethane	0.476	0.416	12.6	92	0.00
24 TP	Halothane	0.173	0.166	4.0	94	0.00
25 TP	Acrylonitrile	0.064	0.076	-18.7	121	0.00
26 TP	Ethyl tert-butyl ether	0.832	0.887	-6.6	118	0.00
27 TP	Vinyl acetate	0.506	0.482	4.7	99	0.00
28 TP	cis-1,2-Dichloroethene	0.261	0.232	11.1	102	0.00
29 TP	2,2-Dichloropropane	0.358	0.278	22.3#	81	0.00
30 TP	Bromochloromethane	0.118	0.110	6.8	97	0.00
31 TP	Cyclohexane	0.428	0.377	11.9	89	0.00
32 TC	Chloroform	0.465	0.398	14.4	91	0.00
33 TP	Ethyl acetate	* 10.000	9.905	1.0	106	0.00
34 TP	Carbon tetrachloride	0.327	0.285	12.8	92	0.00
35 TP	Tetrahydrofuran	0.046	0.051	-10.9	124	0.00
36 S	Dibromofluoromethane	0.253	0.249	1.6	102	0.00
37 TP	1,1,1-Trichloroethane	0.411	0.374	9.0	93	0.00
39 TP	2-Butanone	0.078	0.068#	12.8	106	0.00
40 TP	1,1-Dichloropropene	0.328	0.302	7.9	94	0.00
41 TP	Benzene	1.020	0.851	16.6	93	0.00
42 TP	tert-Amyl methyl ether	0.689	0.713	-3.5	115	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A20.D
 Acq On : 20 Sep 2019 7:39 am
 Operator : VOA108:PD
 Sample : C8260STD10PPB
 Misc : WG1286620,ICAL
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 20 10:52:49 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43 S	1,2-Dichloroethane-d4	0.316	0.310	1.9	91	0.00
44 TP	1,2-Dichloroethane	0.380	0.334	12.1	95	0.00
47 TP	Methyl cyclohexane	0.403	0.342	15.1	88	0.00
48 TP	Trichloroethene	0.275	0.236	14.2	95	0.00
50 TP	Dibromomethane	0.154	0.131	14.9	92	0.00
51 TC	1,2-Dichloropropane	0.271	0.231	14.8	93	0.00
53 TP	2-Chloroethyl vinyl ether	0.167	0.139	16.8	94	0.00
54 TP	Bromodichloromethane	0.377	0.306	18.8	89	0.00
57 TP	1,4-Dioxane	0.00133	0.00169#	-27.1#	128	0.00
58 TP	cis-1,3-Dichloropropene	0.425	0.339	20.2#	89	0.00
59 I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
60 S	Toluene-d8	1.333	1.340	-0.5	102	0.00
61 TC	Toluene	0.882	0.778	11.8	94	0.00
62 TP	4-Methyl-2-pentanone	0.110	0.096#	12.7	98	0.00
63 TP	Tetrachloroethene	0.372	0.362	2.7	100	0.00
65 TP	trans-1,3-Dichloropropene	0.508	0.414	18.5	90	0.00
67 TP	Ethyl methacrylate	0.371	0.415	-11.9	122	0.00
68 TP	1,1,2-Trichloroethane	0.247	0.215	13.0	94	0.00
69 TP	Chlorodibromomethane	0.359	0.304	15.3	91	0.00
70 TP	1,3-Dichloropropane	0.511	0.443	13.3	96	0.00
71 TP	1,2-Dibromoethane	0.288	0.249	13.5	95	0.00
72 TP	2-Hexanone	0.187	0.165	11.8	97	0.00
73 TP	Chlorobenzene	0.973	0.844	13.3	93	0.00
74 TC	Ethylbenzene	1.686	1.507	10.6	94	0.00
75 TP	1,1,1,2-Tetrachloroethane	0.355	0.314	11.5	96	0.00
76 TP	p/m Xylene	0.640	0.577	9.8	94	0.00
77 TP	o Xylene	0.615	0.617	-0.3	106	0.00
78 TP	Styrene	1.020	1.033	-1.3	108	0.00
79 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
80 TP	Bromoform	0.453	0.377	16.8	93	0.00
82 TP	Isopropylbenzene	3.377	2.959	12.4	90	0.00
83 S	4-Bromofluorobenzene	1.001	1.002	-0.1	100	0.00
84 TP	Bromobenzene	0.821	0.726	11.6	97	0.00
85 TP	n-Propylbenzene	3.904	3.515	10.0	94	0.00
86 TP	1,4-Dichlorobutane	1.030	1.182	-14.8	125	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.712	0.617	13.3	96	0.00
88 TP	4-Ethyltoluene	3.104	3.507	-13.0	118	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A20.D
 Acq On : 20 Sep 2019 7:39 am
 Operator : VOA108:PD
 Sample : C8260STD10PPB
 Misc : WG1286620,ICAL
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 20 10:52:49 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	2.666	2.498	6.3	99	0.00
90 TP	1,3,5-Trimethylbenzene	2.717	2.412	11.2	94	0.00
91 TP	1,2,3-Trichloropropane	* 10.000	9.355	6.4	96	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.184	0.184	0.0	105	0.00
93 TP	4-Chlorotoluene	2.407	2.164	10.1	96	0.00
94 TP	tert-Butylbenzene	2.723	2.413	11.4	91	0.00
95 TP	Pentachloroethane	0.508	0.353	30.5#	69	0.00
97 TP	1,2,4-Trimethylbenzene	2.697	2.455	9.0	95	0.00
98 TP	sec-Butylbenzene	3.213	3.174	1.2	100	0.00
99 TP	p-Isopropyltoluene	2.868	2.613	8.9	94	0.00
100 TP	1,3-Dichlorobenzene	1.519	1.321	13.0	92	0.00
101 TP	1,4-Dichlorobenzene	1.562	1.354	13.3	92	0.00
102 TP	p-Diethylbenzene	1.638	1.701	-3.8	111	0.00
103 TP	n-Butylbenzene	2.637	2.376	9.9	94	0.00
104 TP	1,2-Dichlorobenzene	1.442	1.278	11.4	95	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.487	2.644	-6.3	115	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.102	0.089	12.7	94	0.00
107 TP	1,3,5-Trichlorobenzene	1.068	0.898	15.9	96	0.00
108 TP	Hexachlorobutadiene	0.471	0.400	15.1	92	0.00
109 TP	1,2,4-Trichlorobenzene	1.018	0.827	18.8	93	0.00
110 TP	Naphthalene	2.180	1.838	15.7	97	0.00
111 TP	1,2,3-Trichlorobenzene	0.925	0.772	16.5	95	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 6 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A20.D
 Acq On : 20 Sep 2019 7:39 am
 Operator : VOA108:PD
 Sample : C8260STD10PPB
 Misc : WG1286620,ICAL
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 20 10:52:49 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.511	96	175611	10.000	ug/L	0.00
Standard Area 1 = 167206			Recovery =	105.03%		
59) Chlorobenzene-d5	8.501	117	125873	10.000	ug/L	0.00
Standard Area 1 = 123908			Recovery =	101.59%		
79) 1,4-Dichlorobenzene-d4	9.987	152	61120	10.000	ug/L	0.00
Standard Area 1 = 62238			Recovery =	98.20%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.530	113	43676	9.843	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.43%		
43) 1,2-Dichloroethane-d4	5.166	65	54400	9.816	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.16%		
60) Toluene-d8	7.207	98	168681	10.051	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.51%		
83) 4-Bromofluorobenzene	9.321	95	61254	10.009	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.09%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.963	85	45677	10.725	ug/L	99
3) Chloromethane	1.083	50	45618	9.187	ug/L	99
4) Vinyl chloride	1.139	62	48292	9.327	ug/L	92
5) Bromomethane	1.342	94	36594M1	9.861	ug/L	
6) Chloroethane	1.423	64	32444	9.647	ug/L	97
7) Trichlorofluoromethane	1.524	101	67909	9.537	ug/L	96
8) Ethyl ether	1.758	74	24498M1	11.632	ug/L	
10) 1,1-Dichloroethene	1.892	96	30940	8.350	ug/L	# 71
11) Carbon disulfide	1.897	76	104748M1	8.945	ug/L	
12) Freon-113	1.934	101	34026M1	9.150	ug/L	
13) Iodomethane	1.992	142	34042M1	8.943	ug/L	
14) Acrolein	2.168	56	4404M1	7.831	ug/L	
15) Methylene chloride	2.377	84	36908M1	8.388	ug/L	
17) Acetone	2.433	43	9595M1	10.557	ug/L	
18) trans-1,2-Dichloroethene	2.525	96	36357M1	9.019	ug/L	
19) Methyl acetate	2.564	43	19114	9.238	ug/L	# 91
20) Methyl tert-butyl ether	2.650	73	119580	10.809	ug/L	92
21) tert-Butyl alcohol	2.792	59	16429M1	53.727	ug/L	
22) Diisopropyl ether	3.080	45	154632M1	10.531	ug/L	
23) 1,1-Dichloroethane	3.166	63	73086M1	8.749	ug/L	
24) Halothane	3.311	117	29128M1	9.605	ug/L	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A20.D
 Acq On : 20 Sep 2019 7:39 am
 Operator : VOA108:PD
 Sample : C8260STD10PPB
 Misc : WG1286620,ICAL
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 20 10:52:49 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.230	53	13384M1	11.952	ug/L	
26) Ethyl tert-butyl ether	3.529	59	155799M1	10.658	ug/L	
27) Vinyl acetate	3.534	43	84711M1	9.537	ug/L	
28) cis-1,2-Dichloroethene	3.860	96	40747M1	8.906	ug/L	
29) 2,2-Dichloropropane	3.997	77	48763M1	7.763	ug/L	
30) Bromochloromethane	4.131	128	19325M1	9.294	ug/L	
31) Cyclohexane	4.103	56	66121M1	8.796	ug/L	
32) Chloroform	4.290	83	69875M1	8.558	ug/L	
33) Ethyl acetate	4.524	43	47401M1	9.905	ug/L	
34) Carbon tetrachloride	4.410	117	50019	8.710	ug/L	98
35) Tetrahydrofuran	4.471	42	8933	11.099	ug/L	# 65
37) 1,1,1-Trichloroethane	4.507	97	65754M1	9.117	ug/L	
39) 2-Butanone	4.714	43	11951	8.777	ug/L	# 24
40) 1,1-Dichloropropene	4.683	75	52966M1	9.193	ug/L	
41) Benzene	4.990	78	149383	8.343	ug/L	92
42) tert-Amyl methyl ether	5.213	73	125233M1	10.353	ug/L	
44) 1,2-Dichloroethane	5.246	62	58593M1	8.787	ug/L	
47) Methyl cyclohexane	5.668	83	60024M1	8.471	ug/L	
48) Trichloroethene	5.707	95	41405M1	8.575	ug/L	
50) Dibromomethane	6.153	93	22962	8.465	ug/L	96
51) 1,2-Dichloropropane	6.264	63	40632	8.535	ug/L	97
53) 2-Chloroethyl vinyl ether	7.017	63	24353	8.323	ug/L	92
54) Bromodichloromethane	6.373	83	53689	8.116	ug/L	99
57) 1,4-Dioxane	6.593	88	14831	635.259	ug/L	# 73
58) cis-1,3-Dichloropropene	7.028	75	59602	7.983	ug/L	95
61) Toluene	7.254	92	97938	8.825	ug/L	97
62) 4-Methyl-2-pentanone	7.659	58	12146	8.811	ug/L	# 92
63) Tetrachloroethene	7.611	166	45555	9.726	ug/L	93
65) trans-1,3-Dichloropropene	7.678	75	52070	8.151	ug/L	98
67) Ethyl methacrylate	7.865	69	52248	11.201	ug/L	99
68) 1,1,2-Trichloroethane	7.809	83	27052	8.697	ug/L	94
69) Chlorodibromomethane	7.943	129	38286	8.462	ug/L	98
70) 1,3-Dichloropropane	8.018	76	55786	8.672	ug/L	100
71) 1,2-Dibromoethane	8.102	107	31366	8.645	ug/L	98
72) 2-Hexanone	8.342	43	20799M1	8.832	ug/L	
73) Chlorobenzene	8.512	112	106284	8.680	ug/L	92
74) Ethylbenzene	8.554	91	189726	8.942	ug/L	98
75) 1,1,1,2-Tetrachloroethane	8.570	131	39550	8.841	ug/L	95
76) p/m Xylene	8.660	106	145207	18.038	ug/L	98
77) o Xylene	8.944	106	155427	20.089	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
 Data File : V08190919A20.D
 Acq On : 20 Sep 2019 7:39 am
 Operator : VOA108:PD
 Sample : C8260STD10PPB
 Misc : WG1286620,ICAL
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 20 10:52:49 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190919\V08190919A09.D
 Sub List : 8260-CurvePenta - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	8.980	104	260173	20.257	ug/L	91
80)	Bromoform	8.983	173	23059	8.330	ug/L	97
82)	Isopropylbenzene	9.153	105	180849	8.762	ug/L	98
84)	Bromobenzene	9.374	156	44351	8.839	ug/L	99
85)	n-Propylbenzene	9.410	91	214830	9.003	ug/L	97
86)	1,4-Dichlorobutane	9.415	55	72274	11.481	ug/L	97
87)	1,1,2,2-Tetrachloroethane	9.463	83	37693	8.658	ug/L	99
88)	4-Ethyltoluene	9.480	105	214323	11.297	ug/L	98
89)	2-Chlorotoluene	9.494	91	152655	9.370	ug/L	99
90)	1,3,5-Trimethylbenzene	9.535	105	147410	8.877	ug/L	92
91)	1,2,3-Trichloropropane	9.533	75	30894	9.355	ug/L	99
92)	trans-1,4-Dichloro-2-b...	9.566	53	11242M1	9.987	ug/L	
93)	4-Chlorotoluene	9.597	91	132236	8.989	ug/L	97
94)	tert-Butylbenzene	9.719	119	147495	8.863	ug/L	96
95)	Pentachloroethane	9.731	167	21562	6.950	ug/L	93
97)	1,2,4-Trimethylbenzene	9.764	105	150052	9.103	ug/L	94
98)	sec-Butylbenzene	9.825	105	194025	9.880	ug/L	100
99)	p-Isopropyltoluene	9.912	119	159729	9.113	ug/L	97
100)	1,3-Dichlorobenzene	9.943	146	80735	8.697	ug/L	99
101)	1,4-Dichlorobenzene	9.995	146	82755	8.667	ug/L	99
102)	p-Diethylbenzene	10.121	119	103992	10.386	ug/L	95
103)	n-Butylbenzene	10.154	91	145193	9.008	ug/L	98
104)	1,2-Dichlorobenzene	10.235	146	78082	8.862	ug/L	97
105)	1,2,4,5-Tetramethylben...	10.576	119	161575	10.630	ug/L	98
106)	1,2-Dibromo-3-chloropr...	10.690	155	5428	8.744	ug/L	94
107)	1,3,5-Trichlorobenzene	10.707	180	54911	8.412	ug/L	96
108)	Hexachlorobutadiene	11.052	225	24447	8.496	ug/L	96
109)	1,2,4-Trichlorobenzene	11.066	180	50522	8.123	ug/L	99
110)	Naphthalene	11.248	128	112319	8.429	ug/L	100
111)	1,2,3-Trichlorobenzene	11.348	180	47205	8.350	ug/L	99

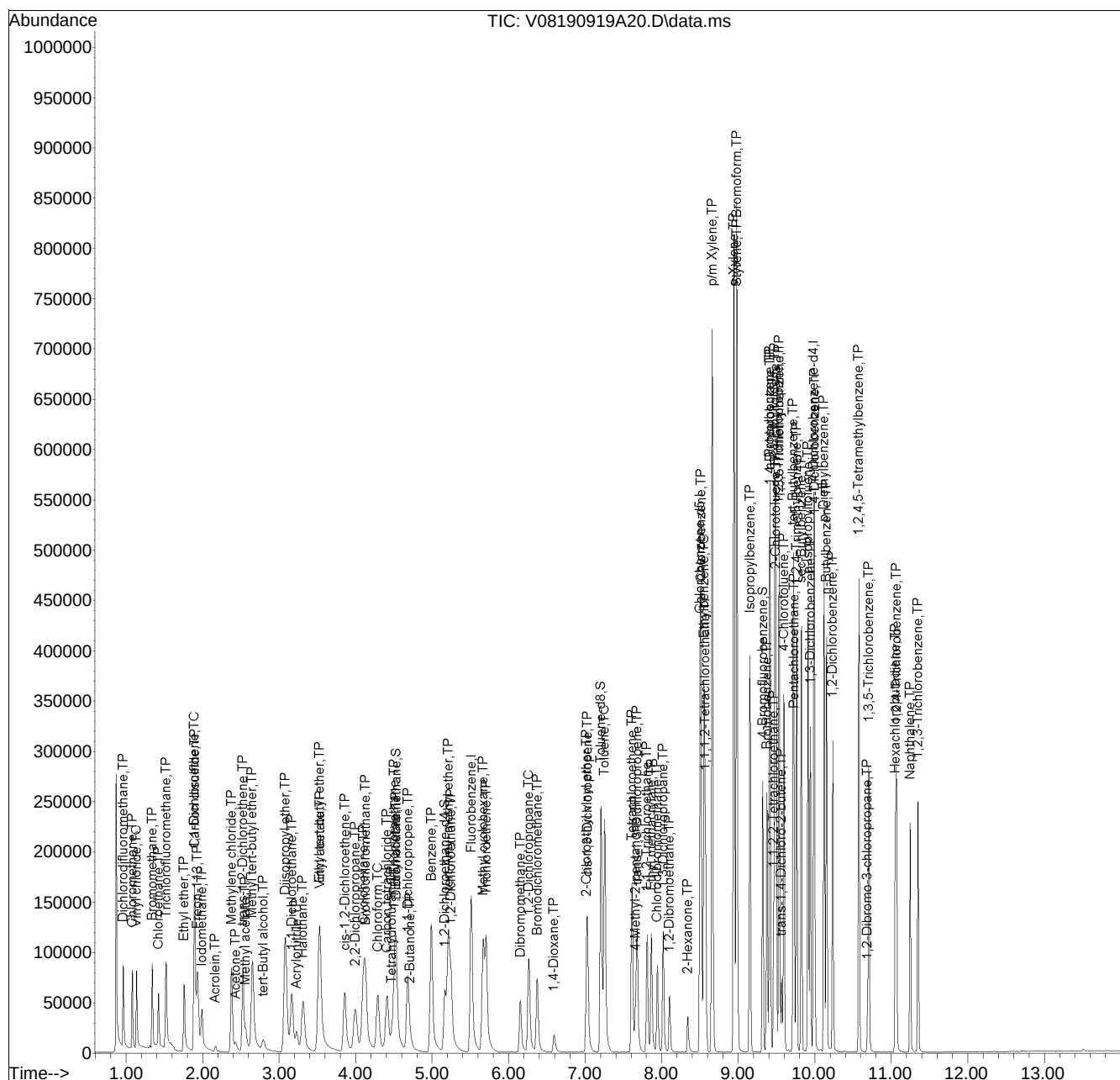
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190919\
Data File : V08190919A20.D
Acq On : 20 Sep 2019 7:39 am
Operator : VOA108:PD
Sample : C8260STD10PPB
Misc : WG1286620,ICAL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 20 10:52:49 2019
Quant Method : I:\VOLATILES\VOA108\2019\190919\V108_190819_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 20 10:28:56 2019
Response via : Initial Calibration

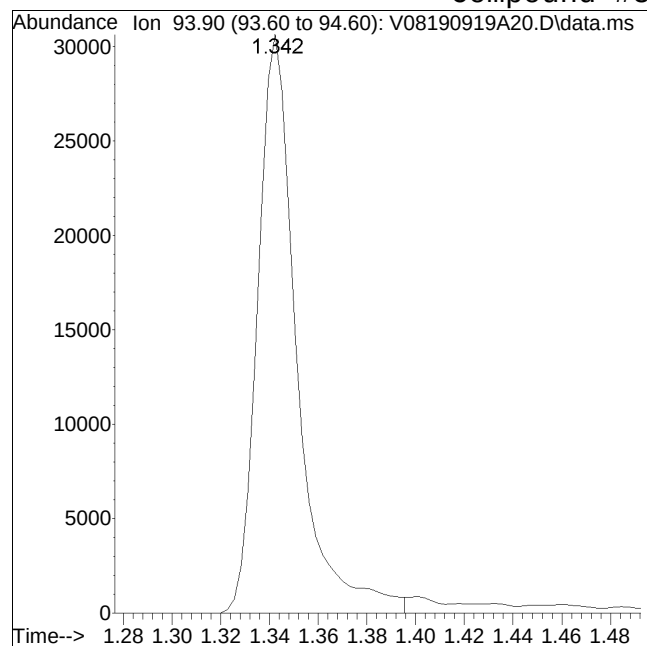
Sub List : 8260-CurvePenta - All compounds listed8190919A09.D•



Manual Integration Report

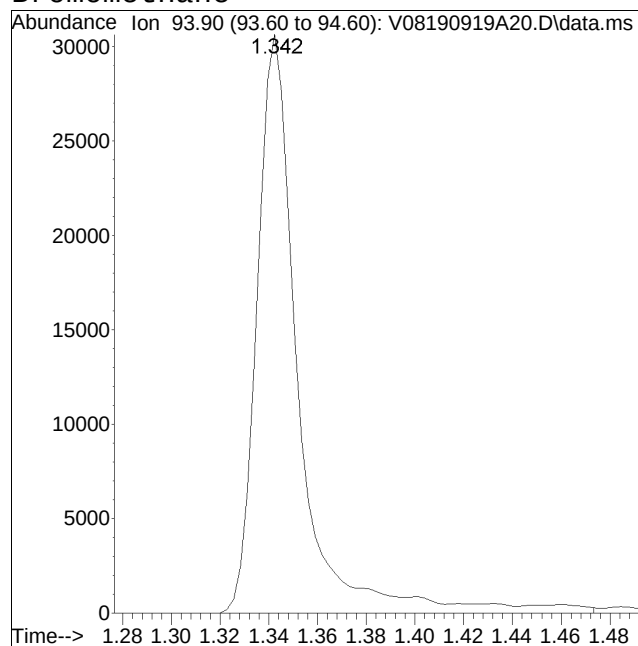
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STDL10PPB Quant Date : 9/20/2019 10:32 am

Compound #5: Bromomethane



Original Peak Response = 34322

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

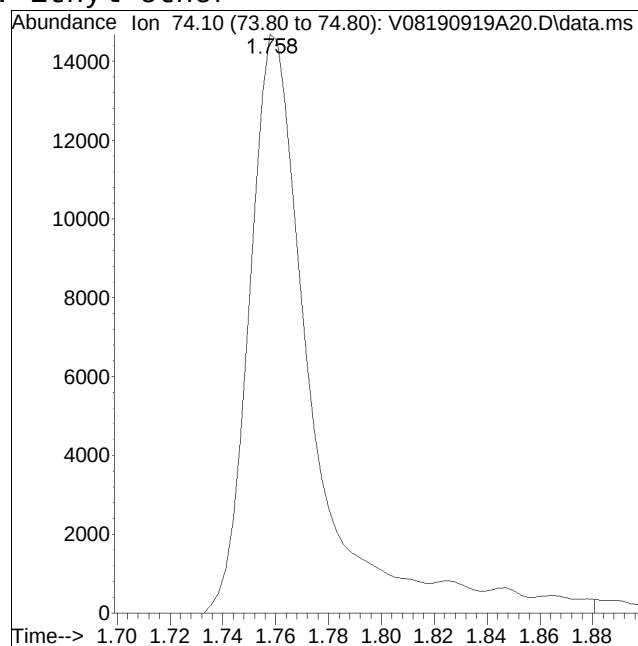
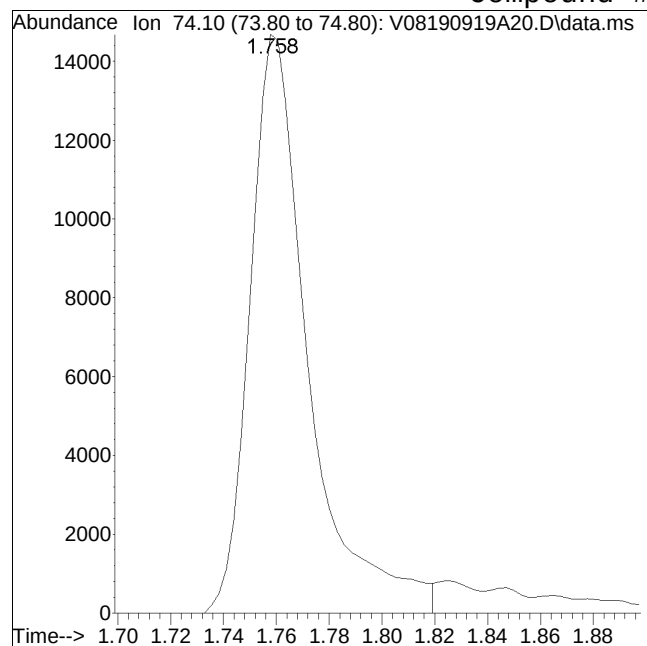


Manual Peak Response = 36594 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STDL10PPB Quant Date : 9/20/2019 10:32 am

Compound #8: Ethyl ether



Original Peak Response = 22533

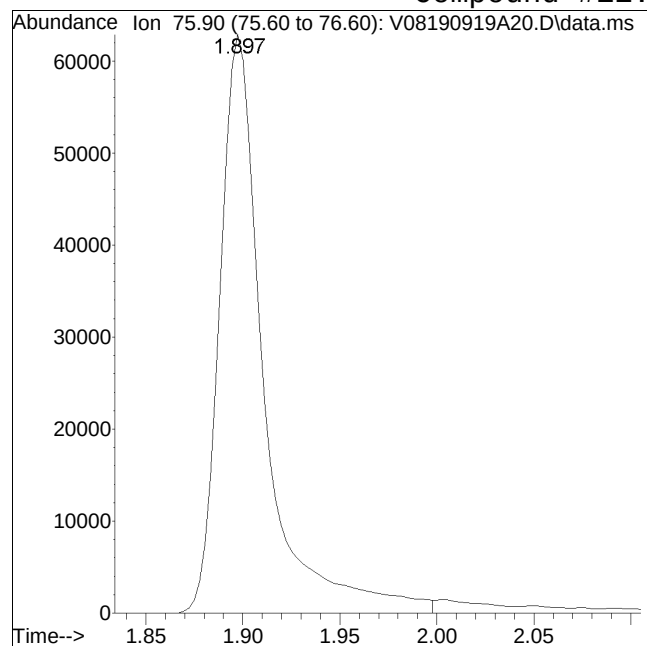
Manual Peak Response = 24498 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

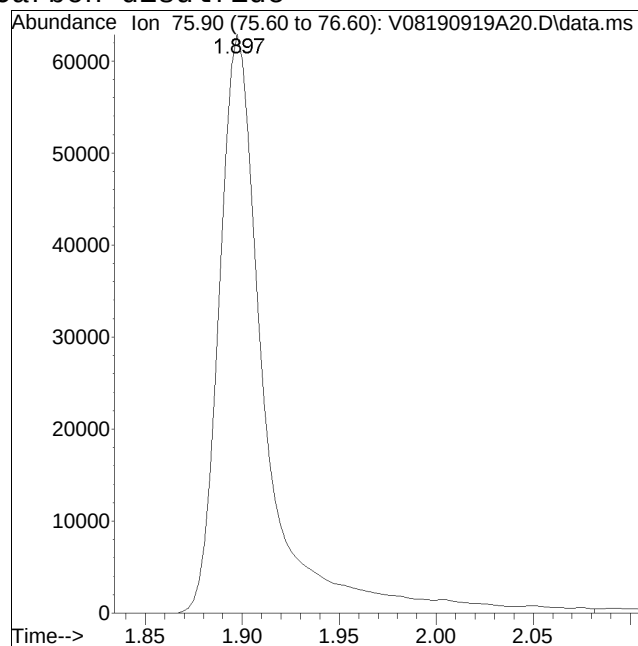
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STD10PPB Quant Date : 9/20/2019 10:32 am

Compound #11: Carbon disulfide



Original Peak Response = 100463

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

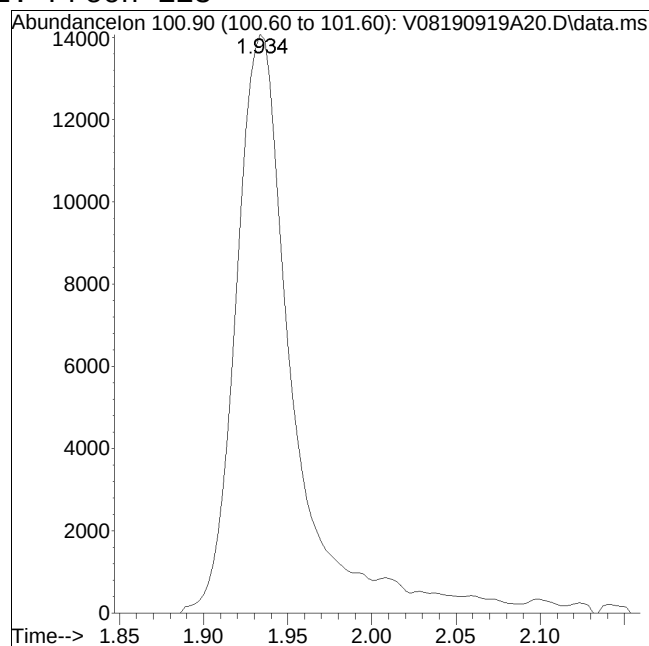
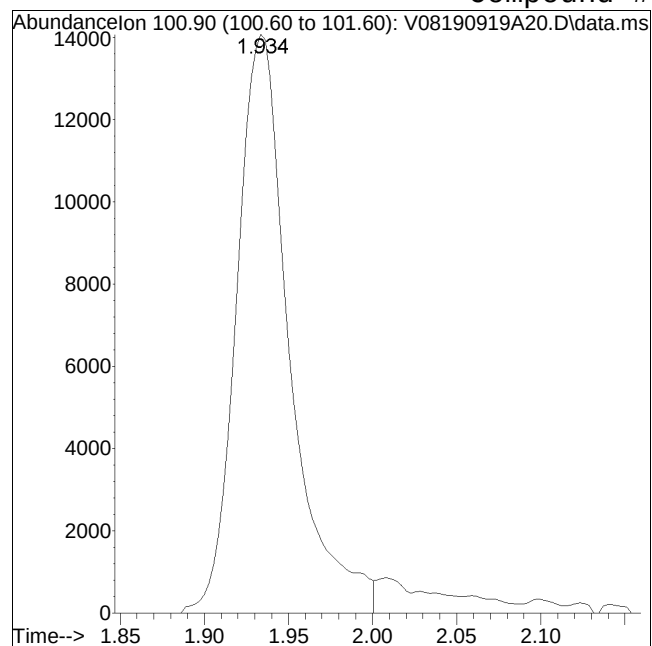


Manual Peak Response = 104748 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STD10PPB Quant Date : 9/20/2019 10:32 am

Compound #12: Freon-113



Original Peak Response = 30928

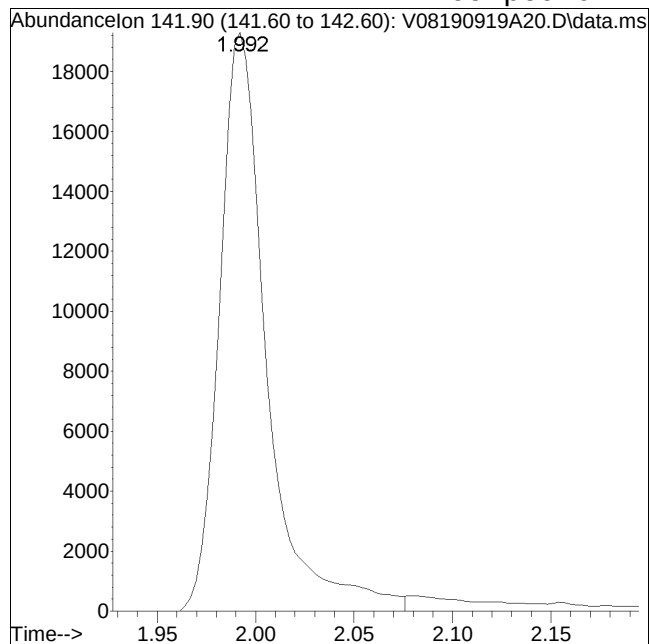
Manual Peak Response = 34026 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

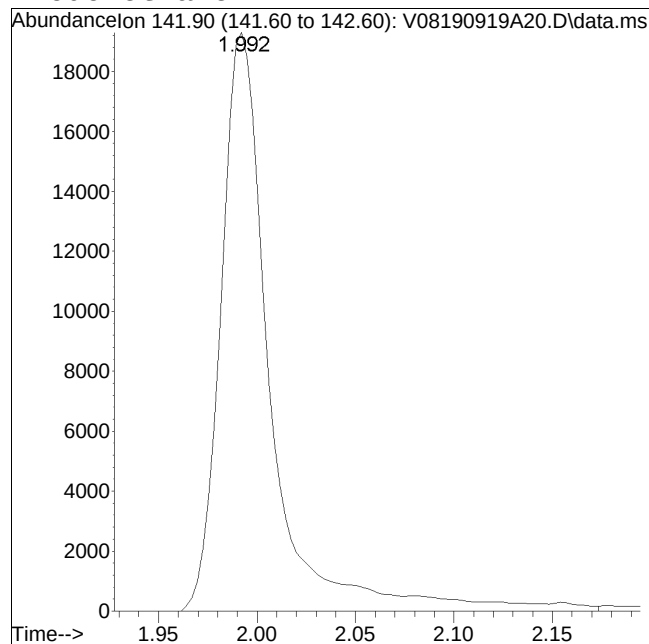
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STDL10PPB Quant Date : 9/20/2019 10:32 am

Compound #13: Iodomethane



Original Peak Response = 32218

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

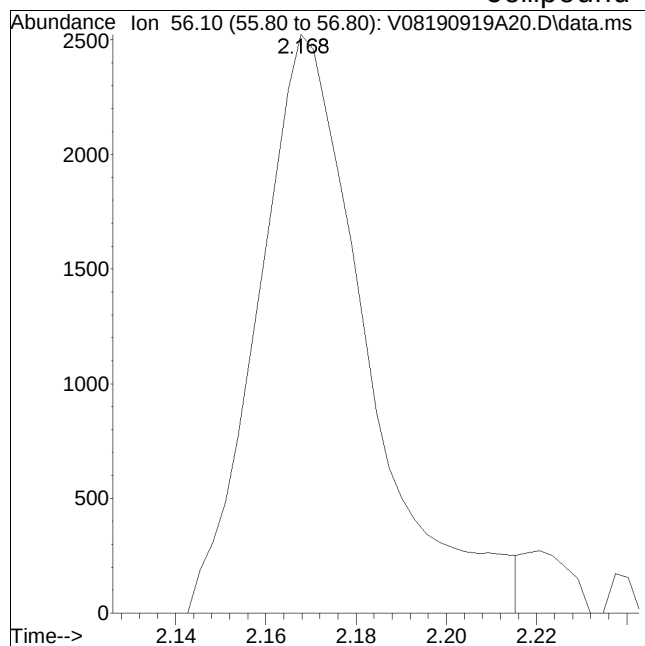


Manual Peak Response = 34042 M1

Manual Integration Report

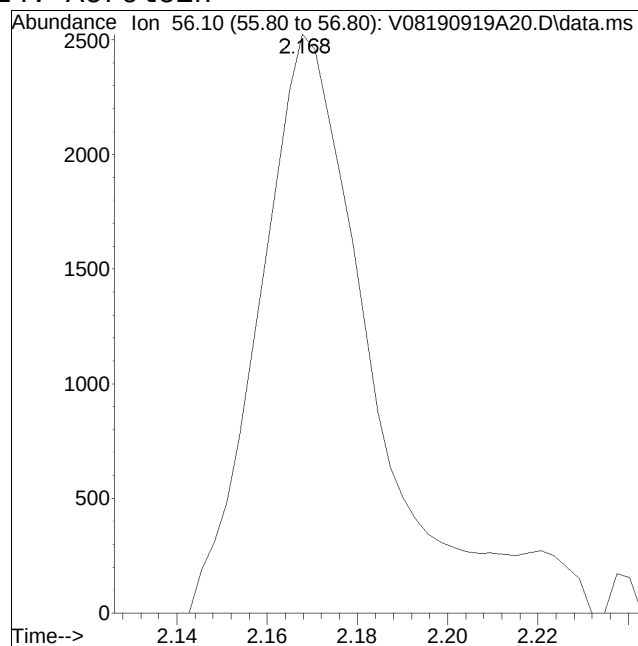
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STDL10PPB Quant Date : 9/20/2019 10:32 am

Compound #14: Acrolein



Original Peak Response = 4214

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

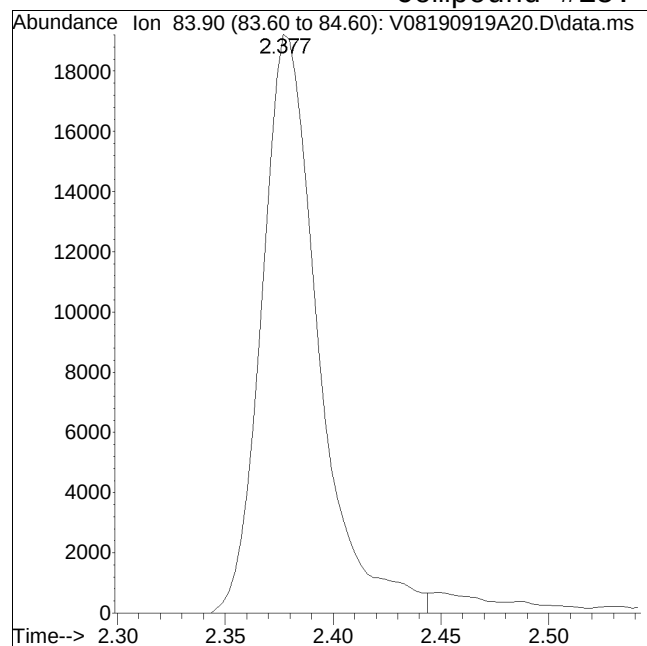


Manual Peak Response = 4404 M1

Manual Integration Report

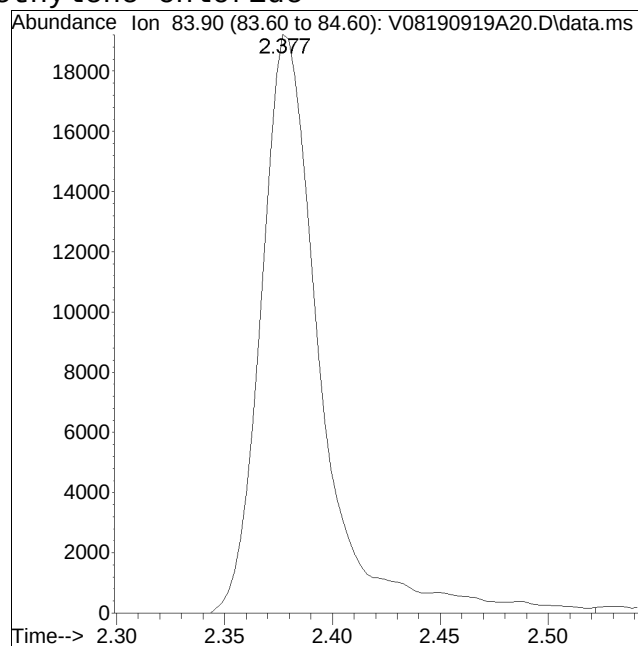
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STDL10PPB Quant Date : 9/20/2019 10:32 am

Compound #15: Methylene chloride



Original Peak Response = 35124

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

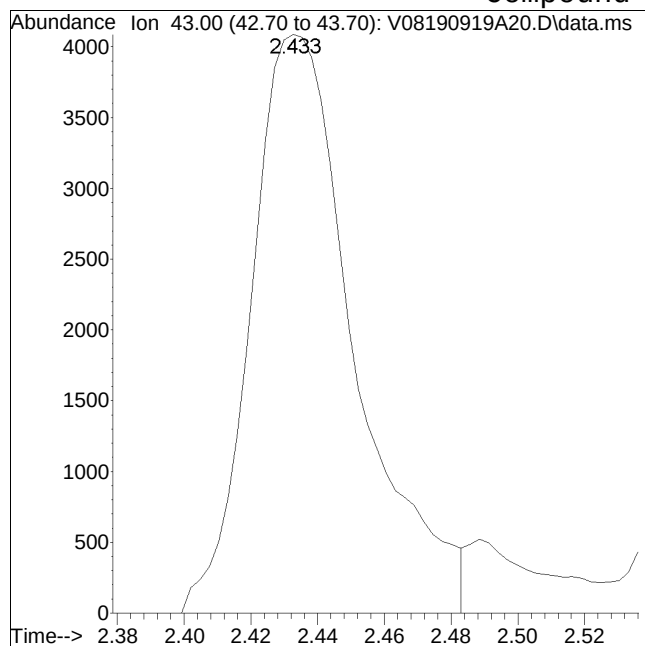


Manual Peak Response = 36908 M1

Manual Integration Report

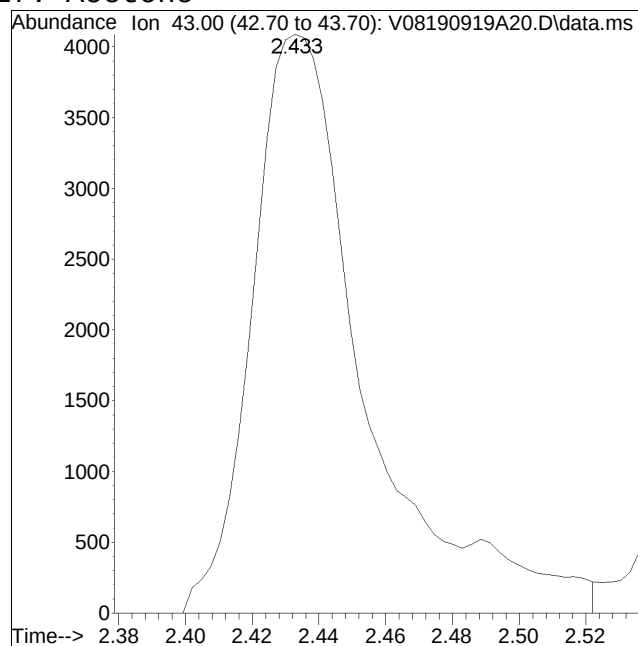
Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STDL10PPB Quant Date : 9/20/2019 10:32 am

Compound #17: Acetone



Original Peak Response = 8798

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

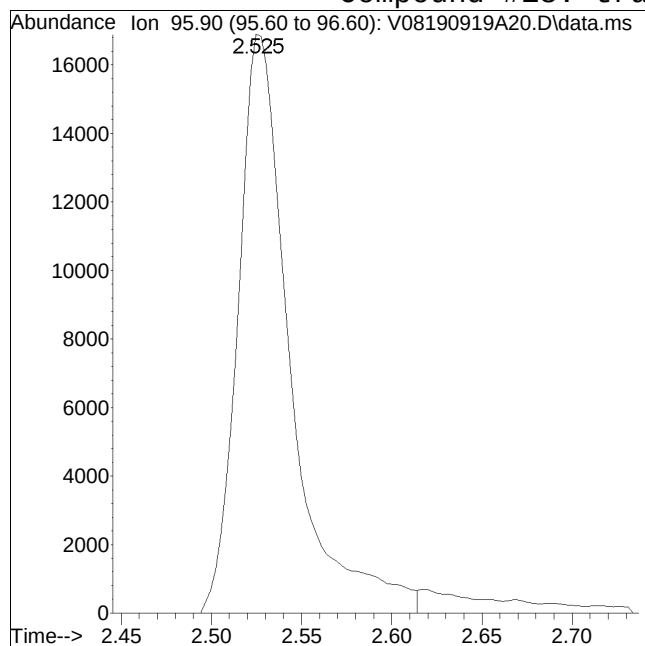


Manual Peak Response = 9595 M1

Manual Integration Report

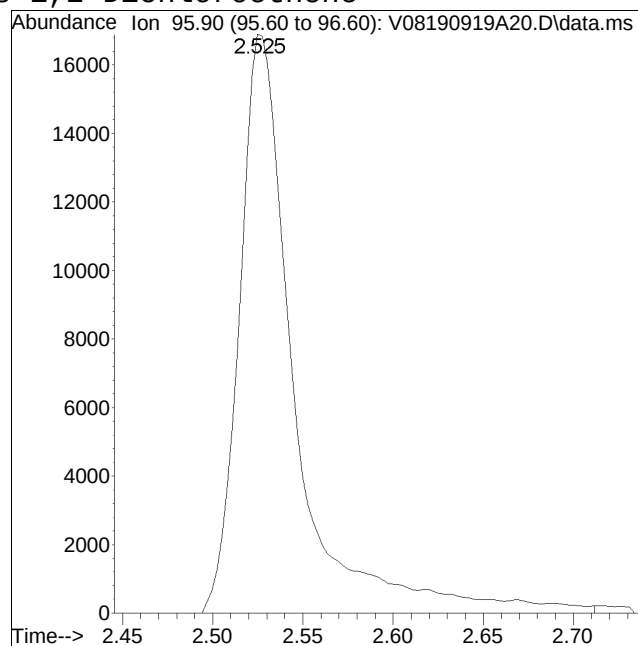
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STD10PPB Quant Date : 9/20/2019 10:32 am

Compound #18: trans-1,2-Dichloroethene



Original Peak Response = 34127

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

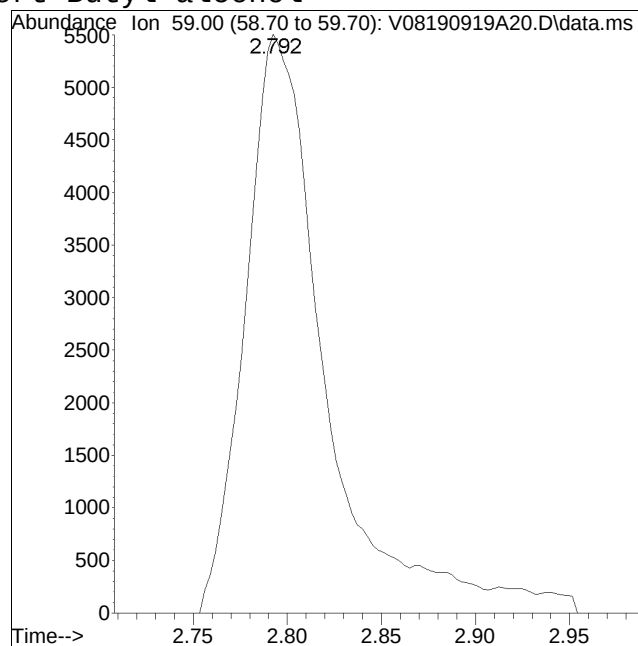
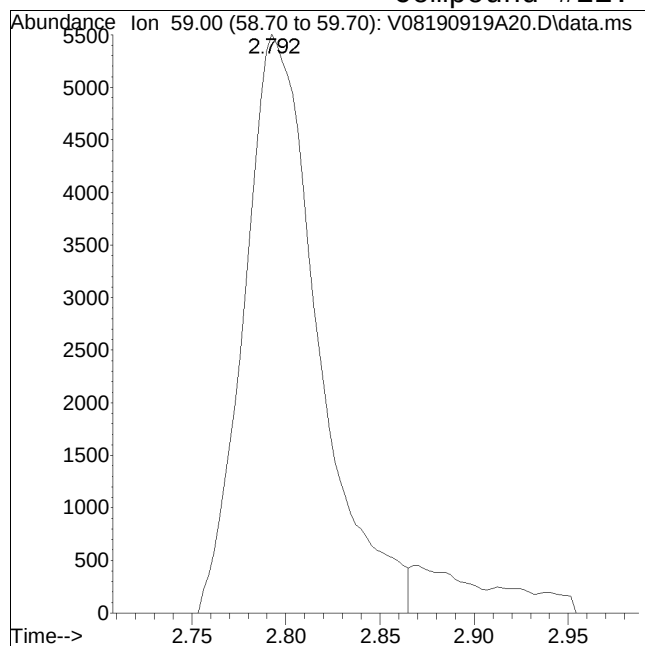


Manual Peak Response = 36357 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STD10PPB Quant Date : 9/20/2019 10:32 am

Compound #21: tert-Butyl alcohol



Original Peak Response = 15018

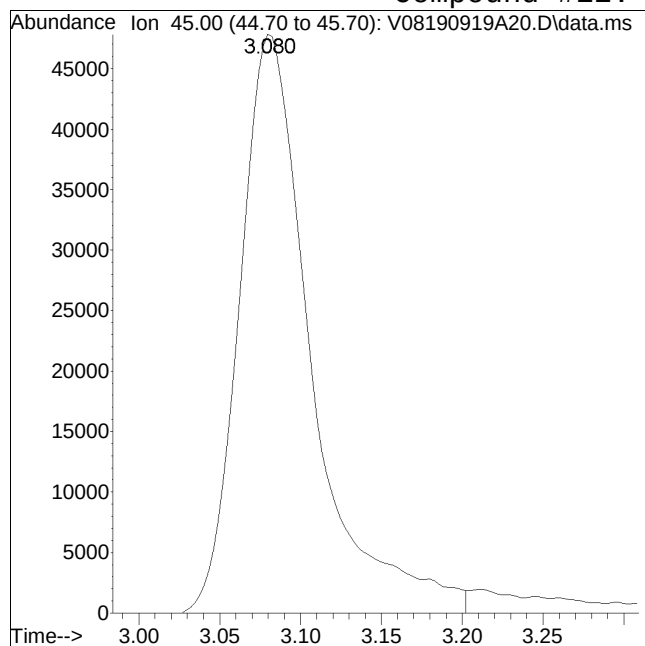
Manual Peak Response = 16429 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

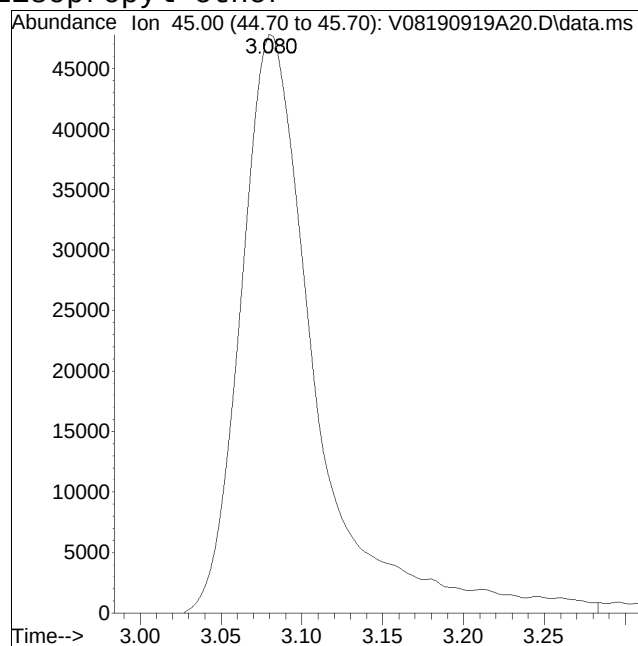
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STDL10PPB Quant Date : 9/20/2019 10:32 am

Compound #22: Diisopropyl ether



Original Peak Response = 148030

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

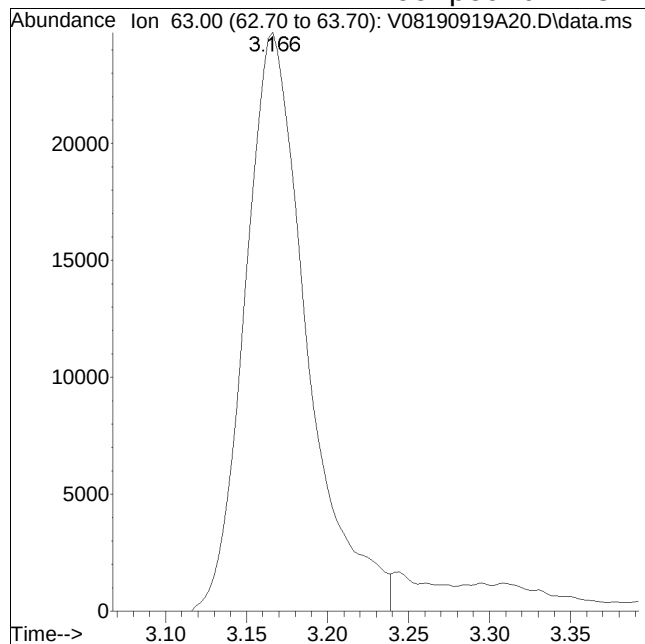


Manual Peak Response = 154632 M1

Manual Integration Report

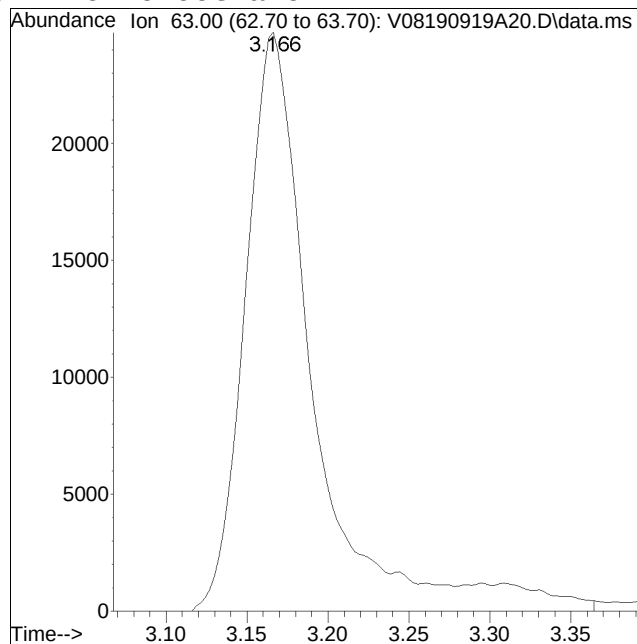
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STDL10PPB Quant Date : 9/20/2019 10:32 am

Compound #23: 1,1-Dichloroethane



Original Peak Response = 65501

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

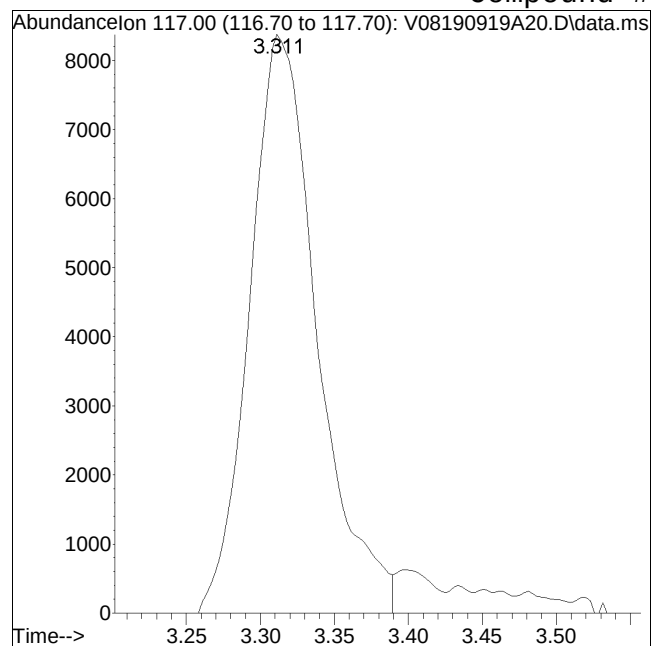


Manual Peak Response = 73086 M1

Manual Integration Report

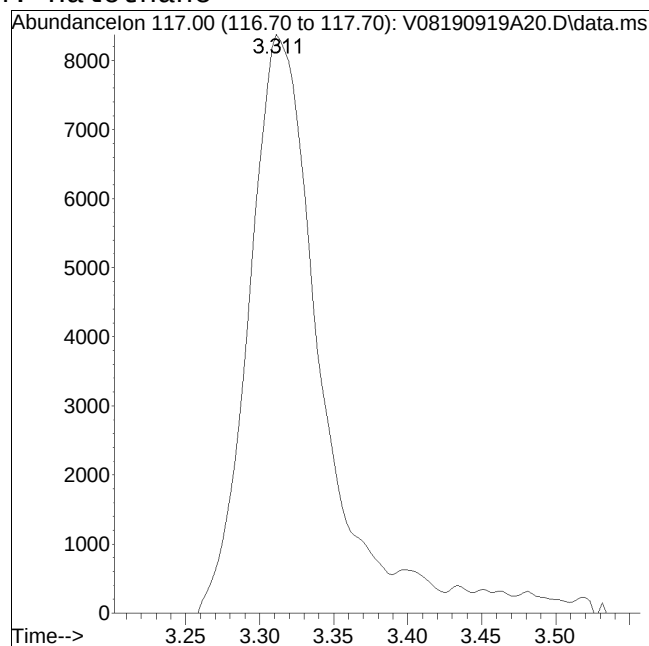
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STD10PPB Quant Date : 9/20/2019 10:32 am

Compound #24: Halothane



Original Peak Response = 26467

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

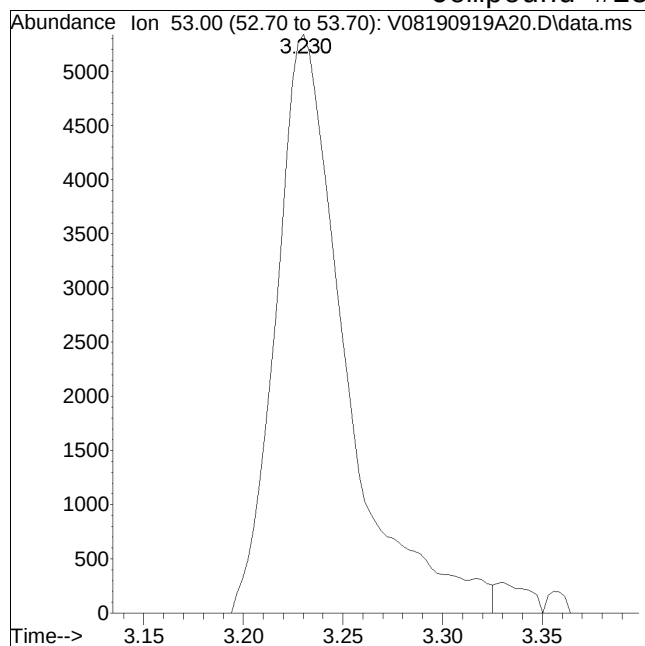


Manual Peak Response = 29128 M1

Manual Integration Report

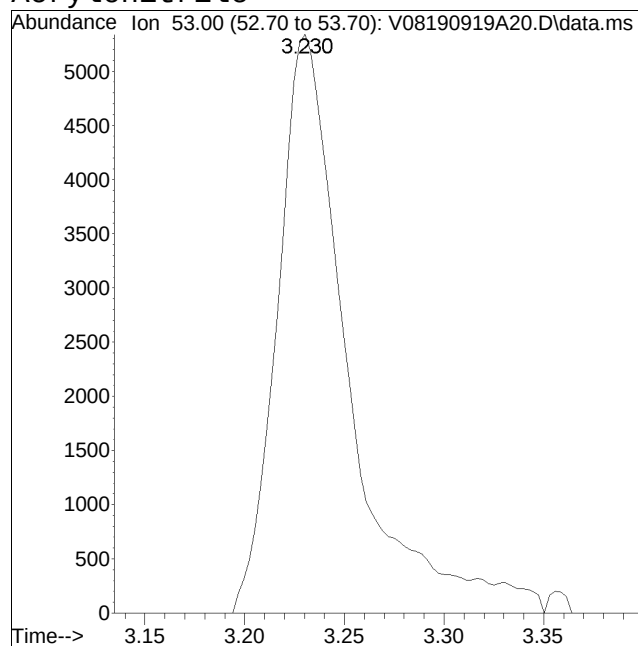
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STDL10PPB Quant Date : 9/20/2019 10:32 am

Compound #25: Acrylonitrile



Original Peak Response = 12956

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

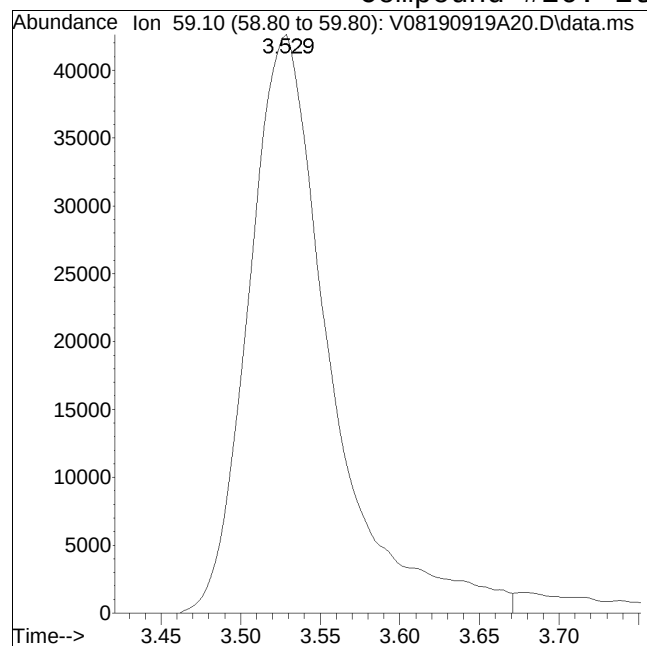


Manual Peak Response = 13384 M1

Manual Integration Report

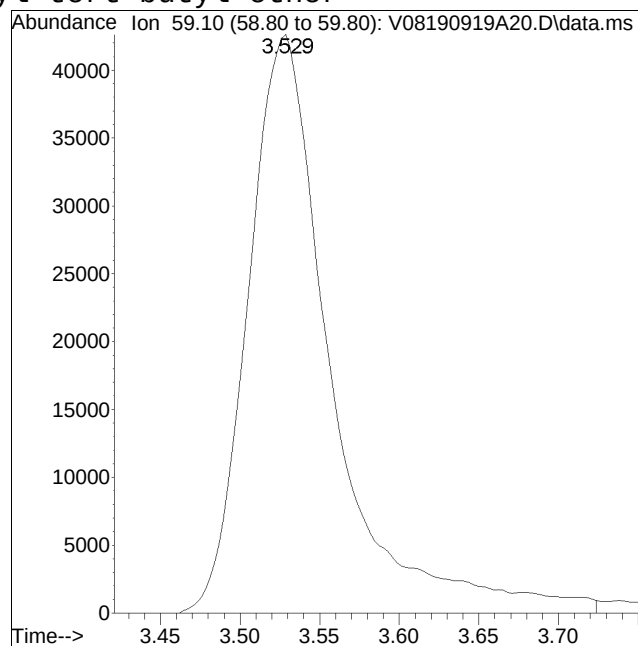
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STDL10PPB Quant Date : 9/20/2019 10:32 am

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 151780

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

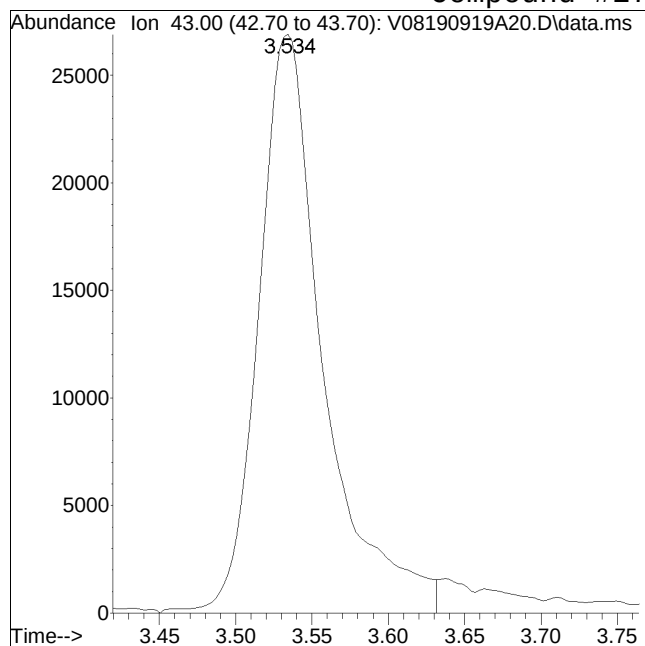


Manual Peak Response = 155799 M1

Manual Integration Report

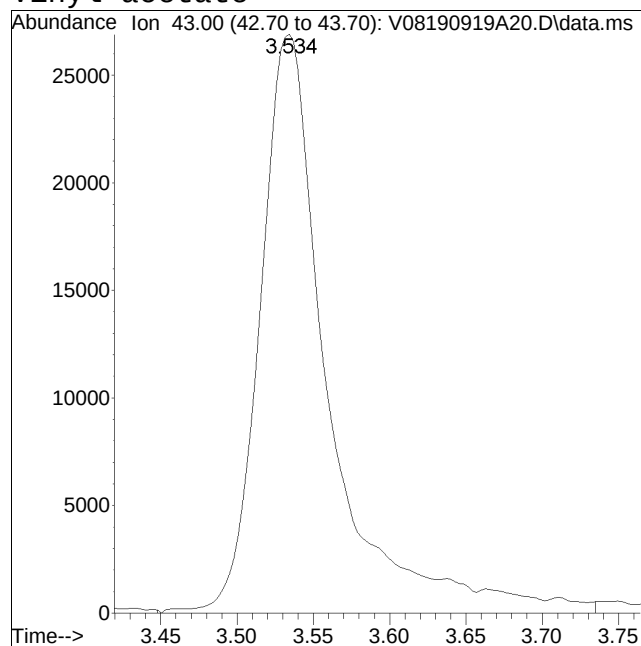
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STD10PPB Quant Date : 9/20/2019 10:32 am

Compound #27: Vinyl acetate



Original Peak Response = 79157

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

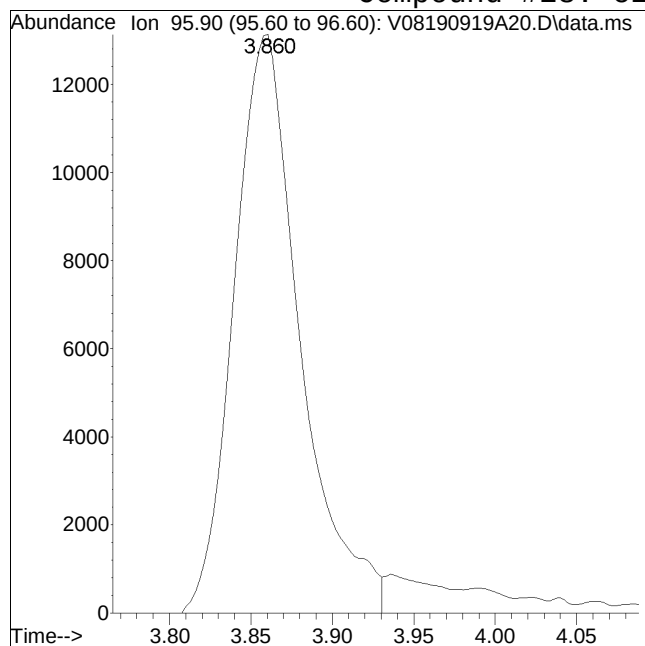


Manual Peak Response = 84711 M1

Manual Integration Report

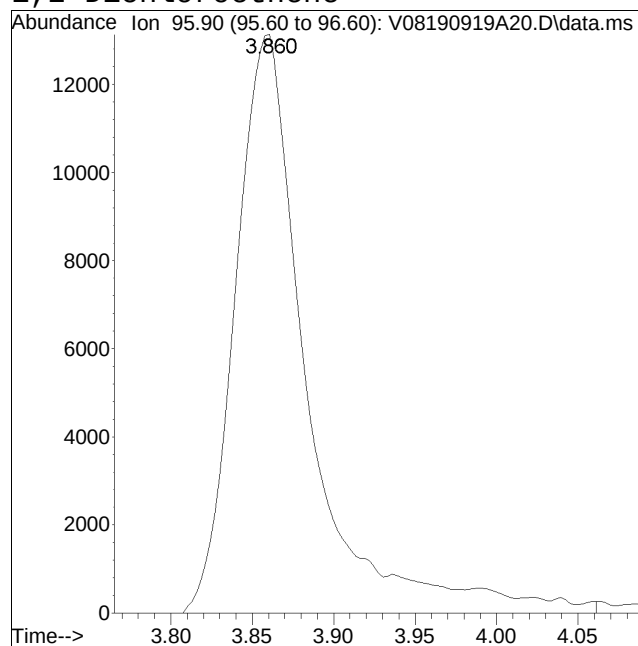
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STD10PPB Quant Date : 9/20/2019 10:32 am

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 36942

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

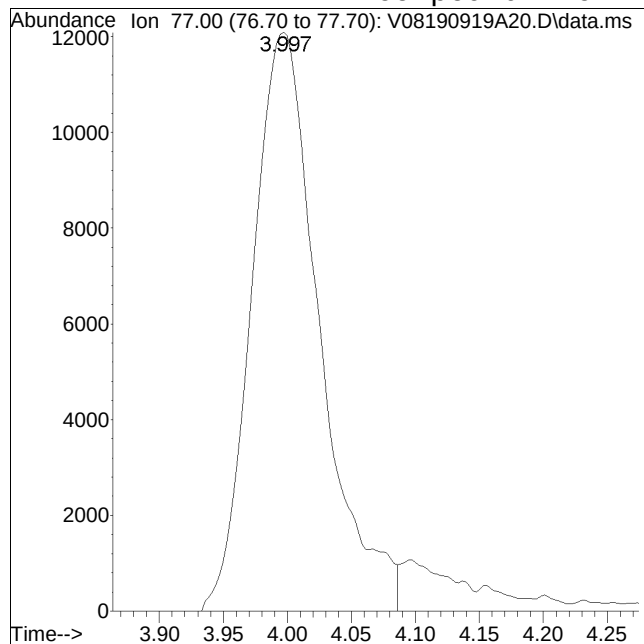


Manual Peak Response = 40747 M1

Manual Integration Report

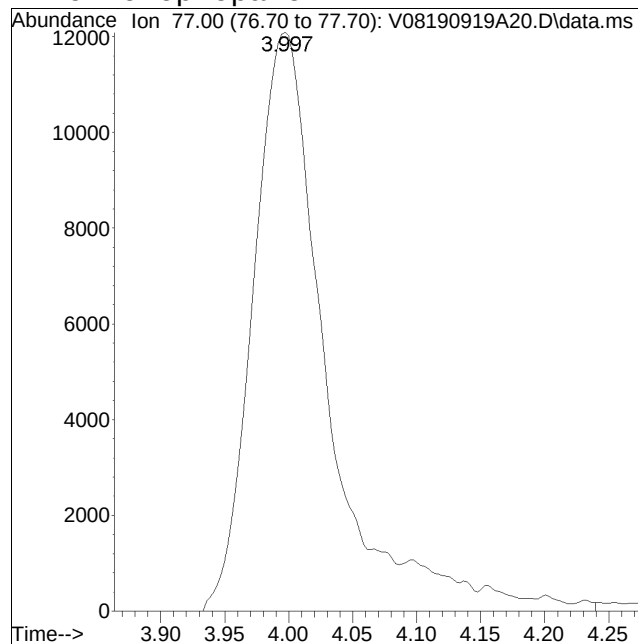
Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STD10PPB Quant Date : 9/20/2019 10:32 am

Compound #29: 2,2-Dichloropropane



Original Peak Response = 44322

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

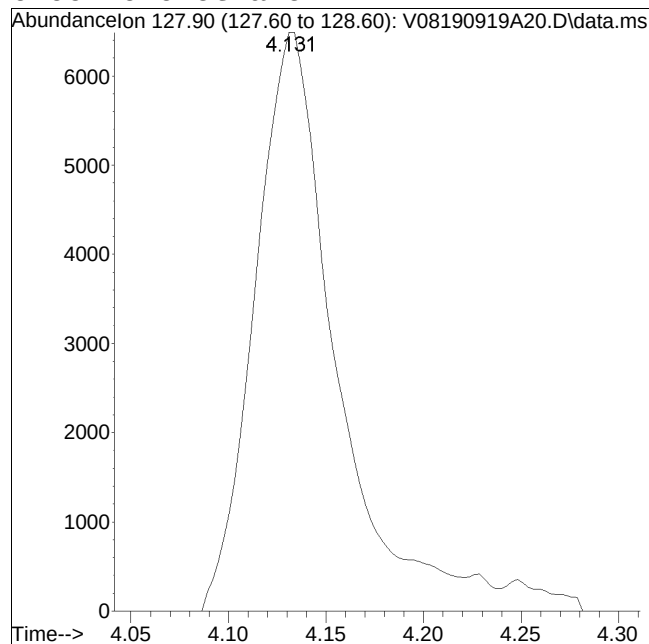
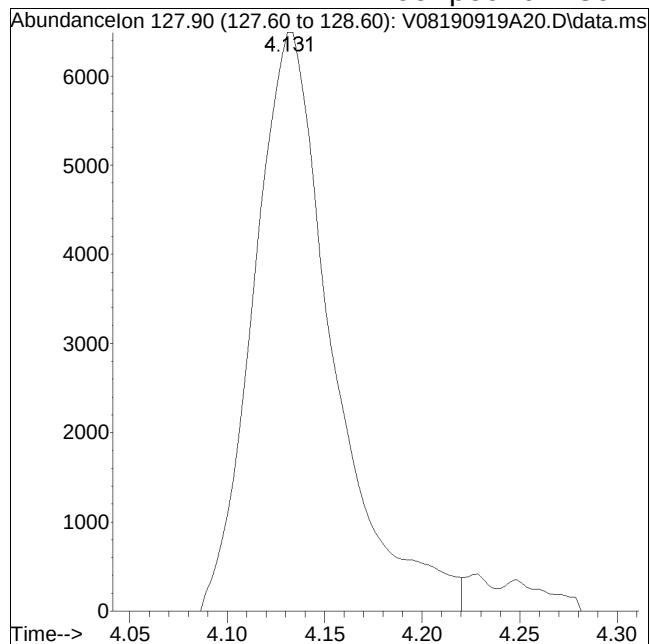


Manual Peak Response = 48763 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STDL10PPB Quant Date : 9/20/2019 10:32 am

Compound #30: Bromochloromethane



Original Peak Response = 18375

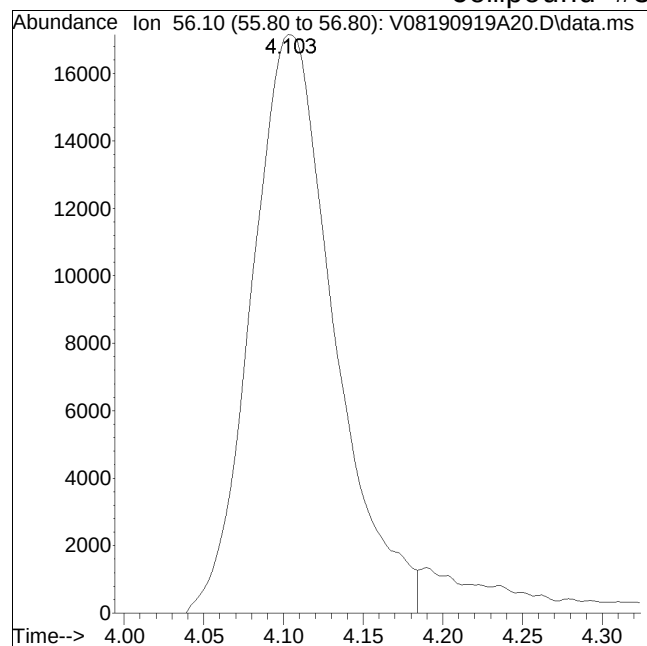
Manual Peak Response = 19325 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

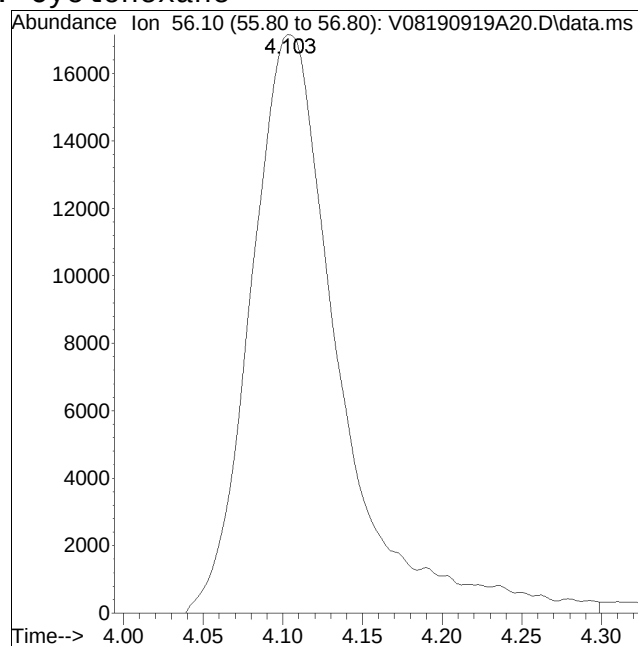
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STDL10PPB Quant Date : 9/20/2019 10:32 am

Compound #31: Cyclohexane



Original Peak Response = 61289

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

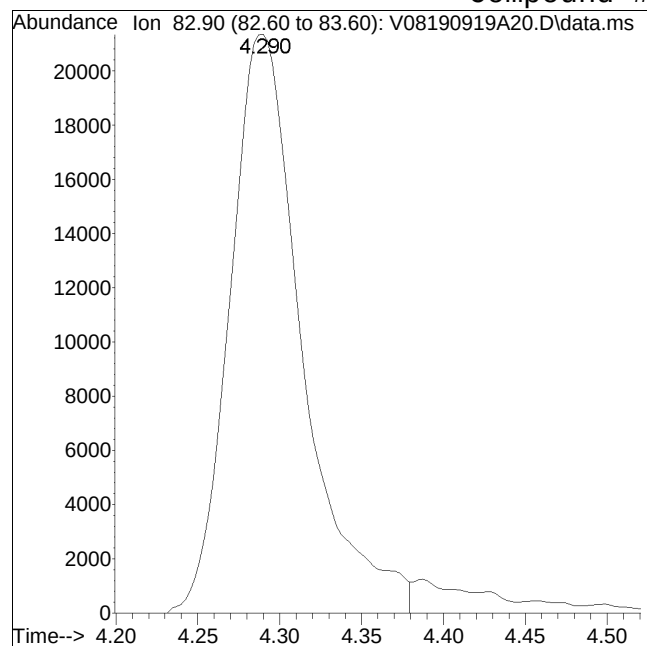


Manual Peak Response = 66121 M1

Manual Integration Report

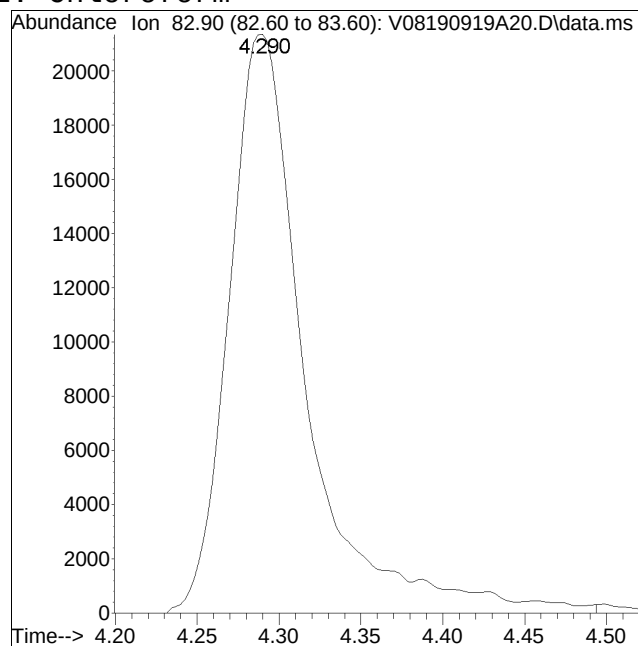
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STD10PPB Quant Date : 9/20/2019 10:32 am

Compound #32: Chloroform



Original Peak Response = 65548

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

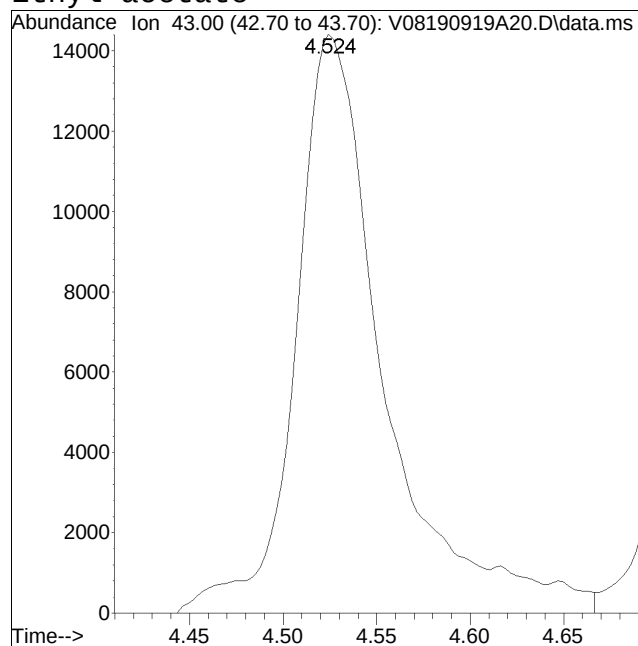
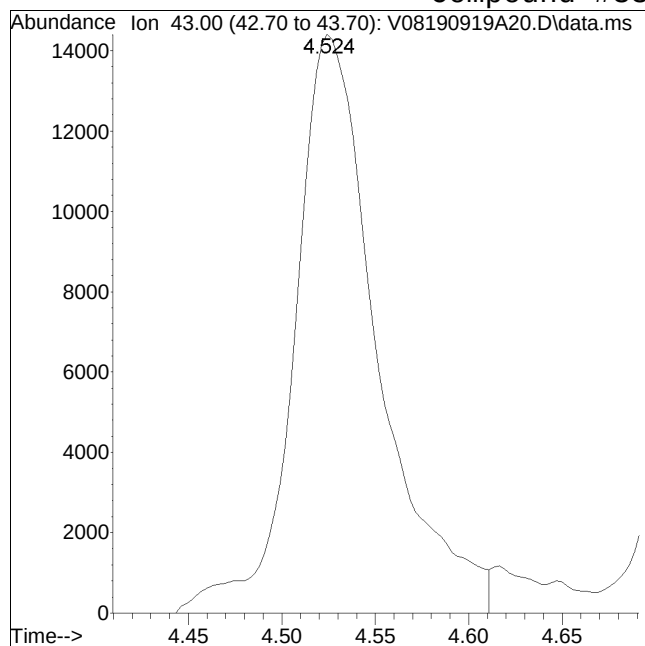


Manual Peak Response = 69875 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STDL10PPB Quant Date : 9/20/2019 10:32 am

Compound #33: Ethyl acetate



Original Peak Response = 44729

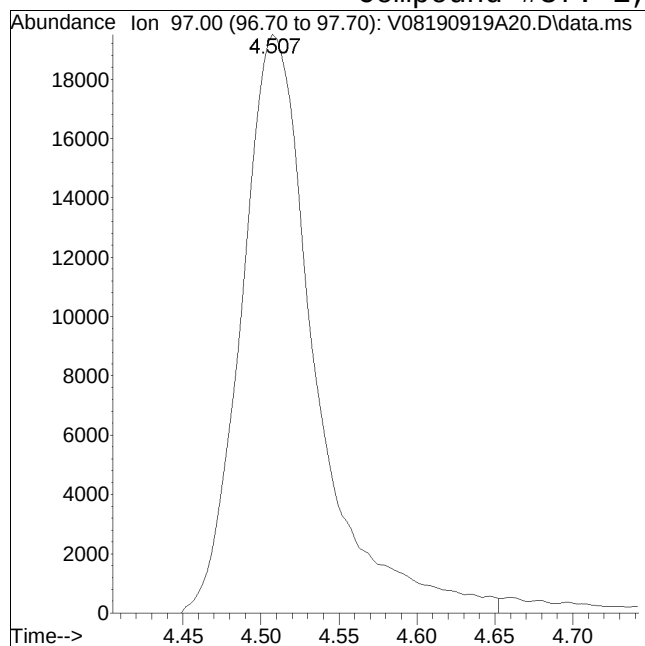
Manual Peak Response = 47401 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

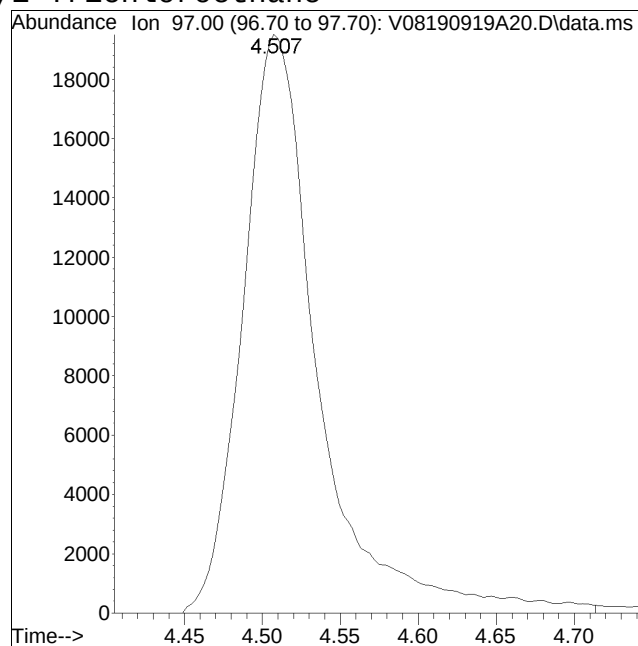
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STD10PPB Quant Date : 9/20/2019 10:32 am

Compound #37: 1,1,1-Trichloroethane



Original Peak Response = 64334

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

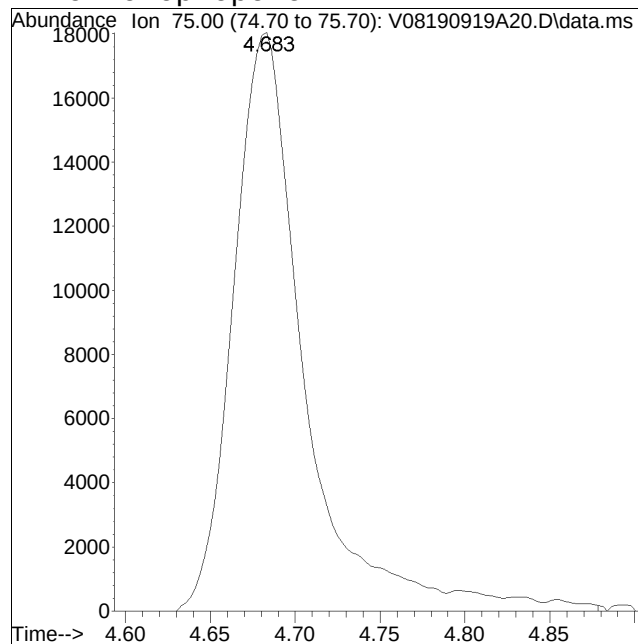
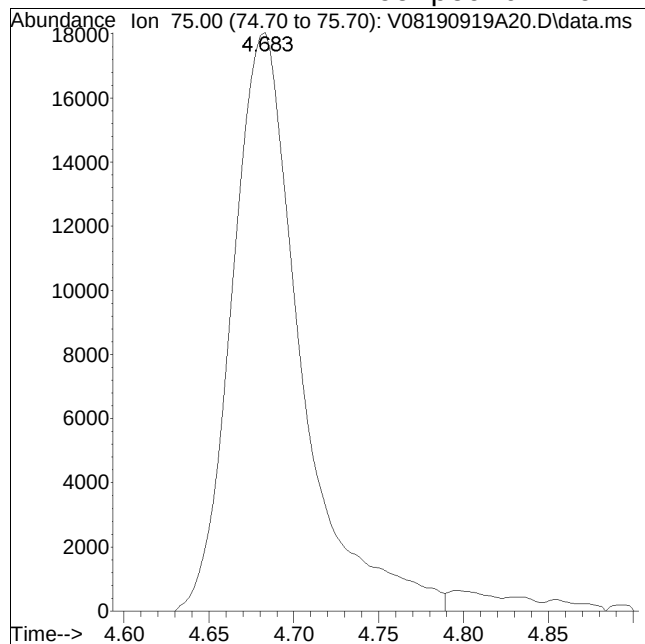


Manual Peak Response = 65754 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STD10PPB Quant Date : 9/20/2019 10:32 am

Compound #40: 1,1-Dichloropropene



Original Peak Response = 50821

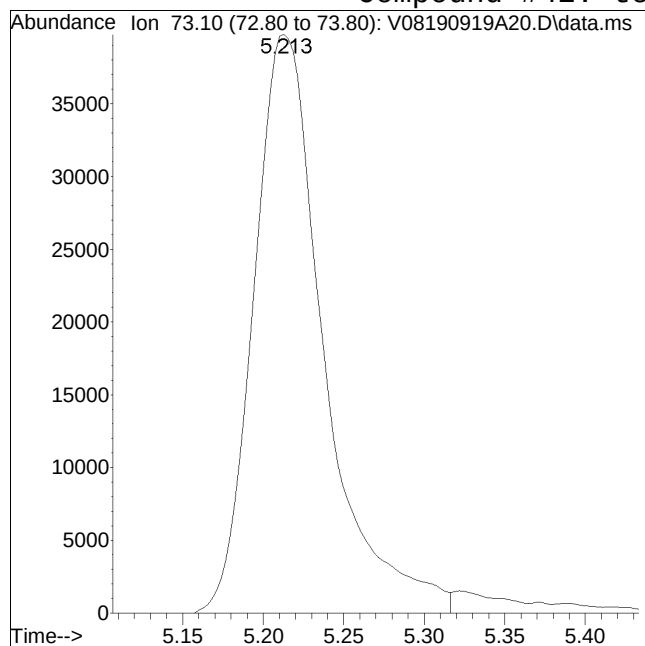
Manual Peak Response = 52966 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

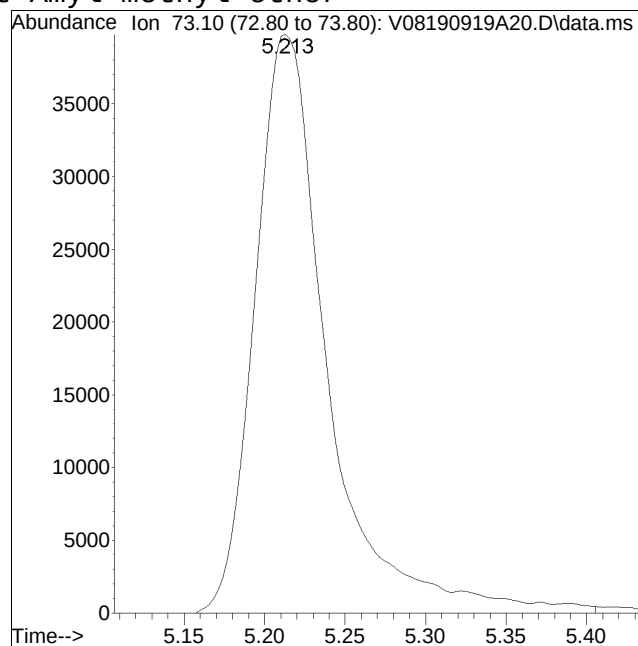
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STDL10PPB Quant Date : 9/20/2019 10:32 am

Compound #42: tert-Amyl methyl ether



Original Peak Response = 120545

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

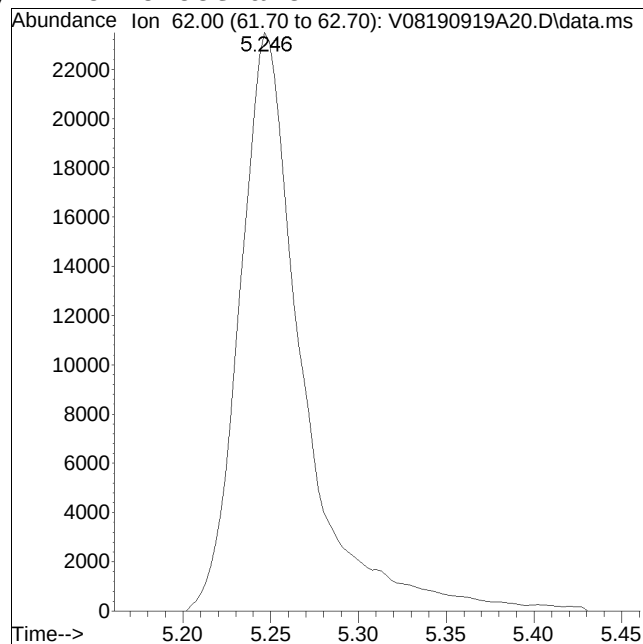
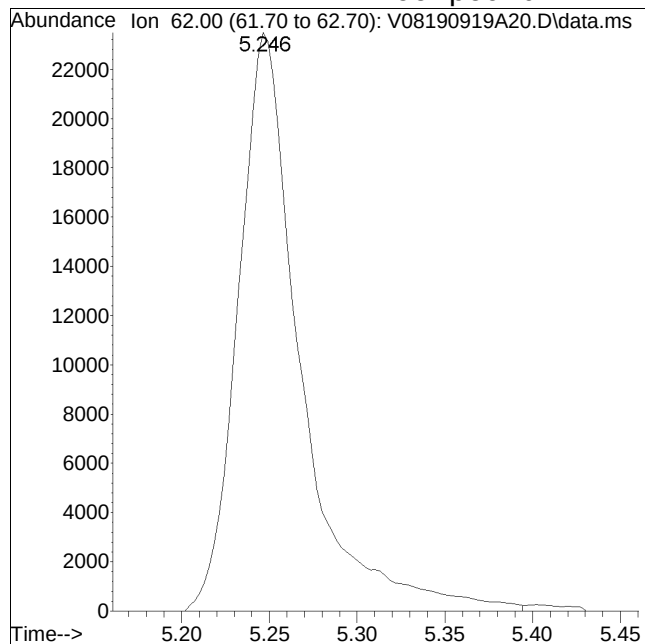


Manual Peak Response = 125233 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STD10PPB Quant Date : 9/20/2019 10:32 am

Compound #44: 1,2-Dichloroethane



Original Peak Response = 58178

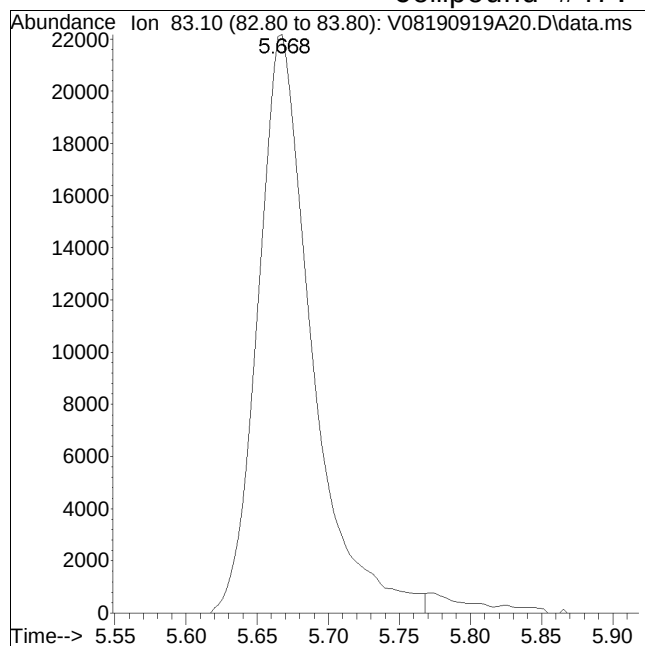
Manual Peak Response = 58593 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

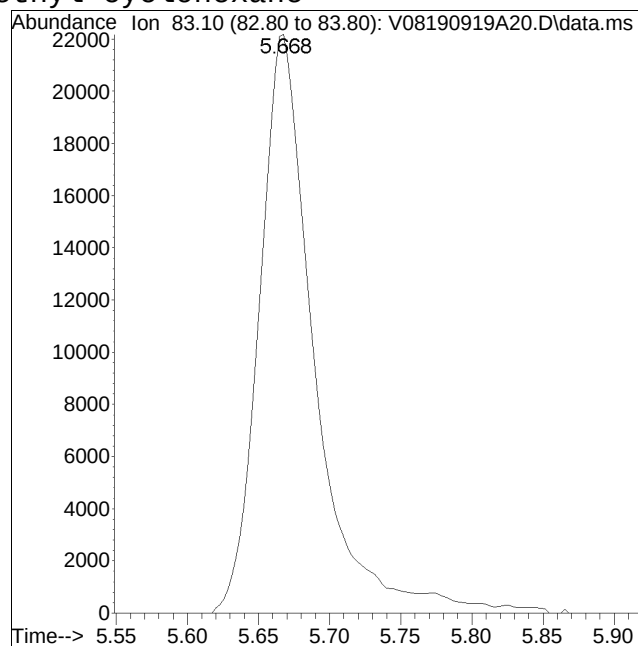
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STD10PPB Quant Date : 9/20/2019 10:32 am

Compound #47: Methyl cyclohexane



Original Peak Response = 58148

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

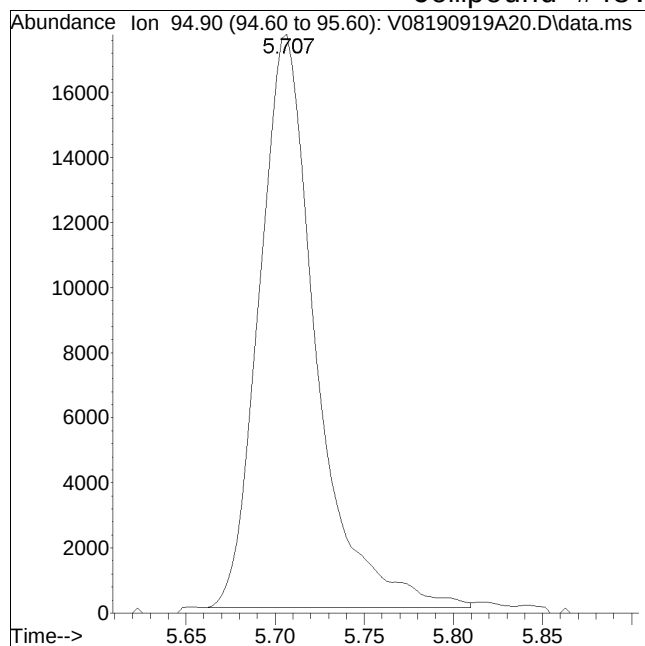


Manual Peak Response = 60024 M1

Manual Integration Report

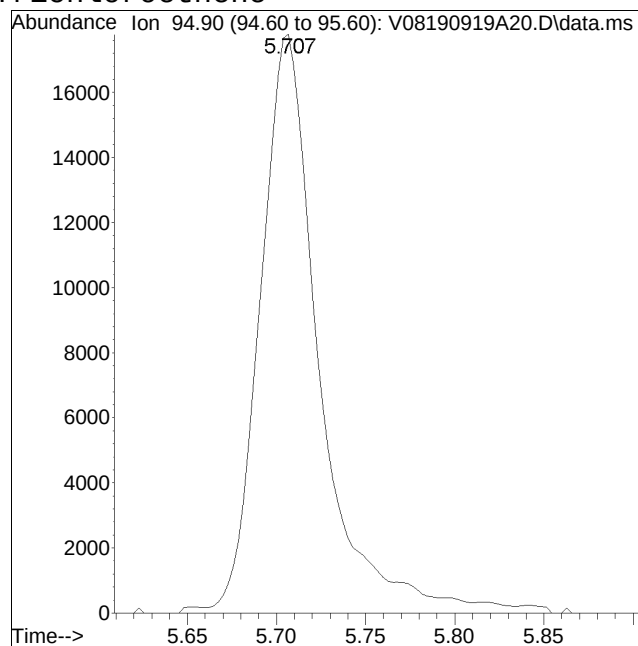
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STD10PPB Quant Date : 9/20/2019 10:32 am

Compound #48: Trichloroethene



Original Peak Response = 39040

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

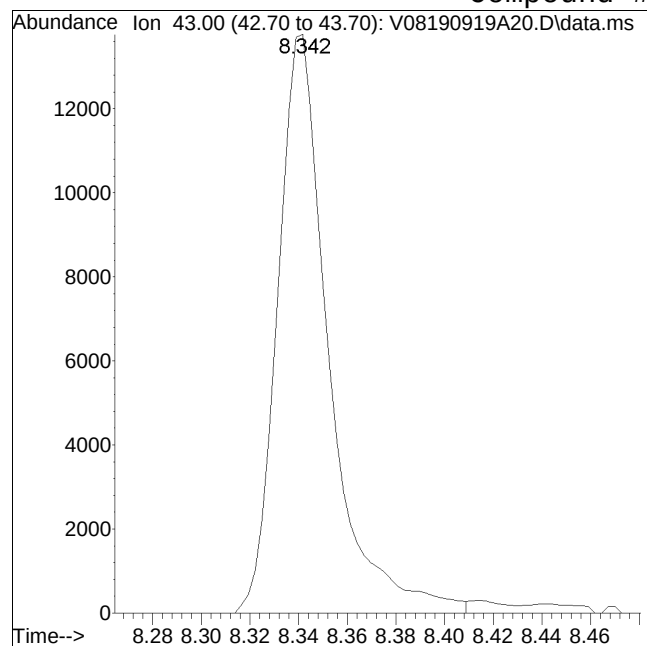


Manual Peak Response = 41405 M1

Manual Integration Report

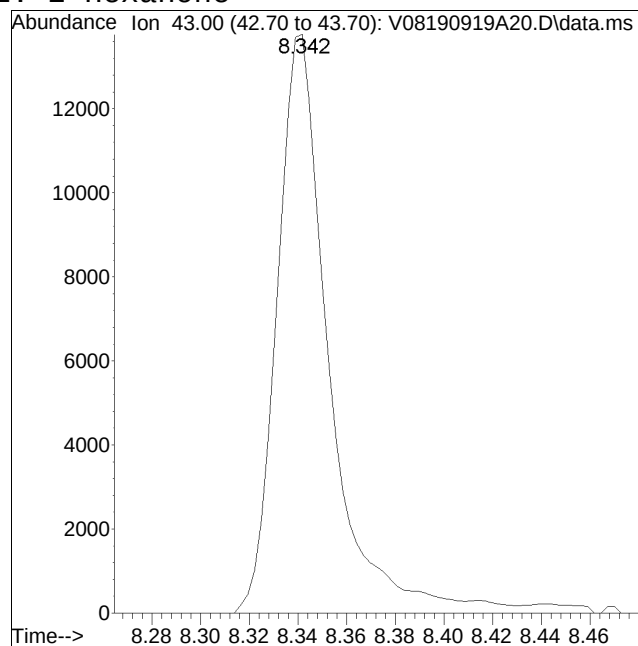
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STDL10PPB Quant Date : 9/20/2019 10:32 am

Compound #72: 2-Hexanone



Original Peak Response = 20158

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

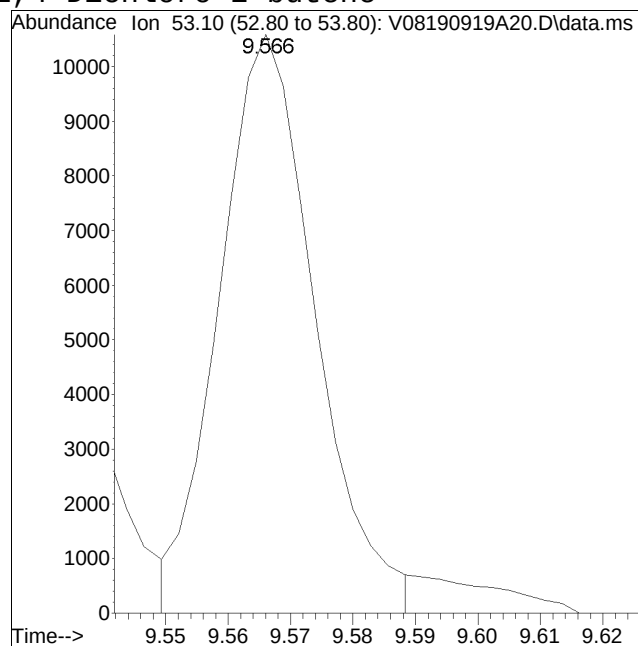
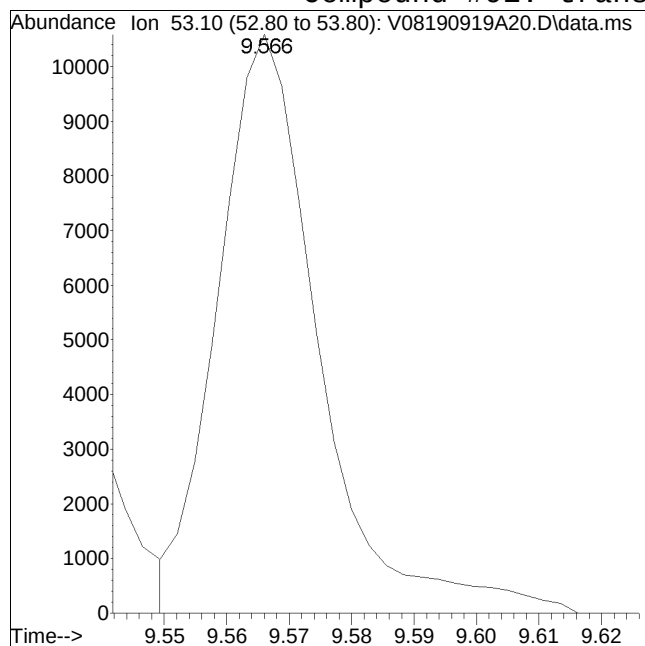


Manual Peak Response = 20799 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190919A20.D Operator : VOA108:PD
Date Inj'd : 9/20/2019 7:39 am Instrument : VOA 108
Sample : C8260STD10PPB Quant Date : 9/20/2019 10:32 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 11902

Manual Peak Response = 11242 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Continuing Calibration

Calibration Verification Summary

Form 7

Volatiles

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Instrument ID : GONZO
 Lab File ID : VG190921A03
 Sample No : WG1287487-2
 Channel :

Lab Number : L1943286
 Project Number : 12930
 Calibration Date : 09/21/19 08:59
 Init. Calib. Date(s) : 09/13/19 09/13/19
 Init. Calib. Times : 02:21 06:10

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	99	0
Dichlorodifluoromethane	0.211	0.196	-	7.1	20	89	0
Chloromethane	0.246	0.217	-	11.8	20	87	0
Vinyl chloride	0.205	0.204	-	0.5	20	95	0
Bromomethane	0.101	0.068	-	32.7*	20	82	0
Chloroethane	0.122	0.125	-	-2.5	20	102	0
Trichlorofluoromethane	0.334	0.346	-	-3.6	20	101	0
Ethyl ether	0.085	0.079	-	7.1	20	90	0
1,1-Dichloroethene	0.184	0.173	-	6	20	95	0
Carbon disulfide	0.53	0.496	-	6.4	20	94	0
Freon-113	0.193	0.193	-	0	20	96	0
Iodomethane	0.278	0.075	-	73*	20	26	0
Acrolein	0.019	0.016	-	15.8	20	90	0
Methylene chloride	0.196	0.183	-	6.6	20	97	0
Acetone	10	9.411	-	5.9	20	97	0
trans-1,2-Dichloroethene	0.202	0.193	-	4.5	20	97	0
Methyl acetate	0.09	0.093	-	-3.3	20	98	0
Methyl tert-butyl ether	0.427	0.429	-	-0.5	20	101	0
tert-Butyl alcohol	0.01	0.012	-	-20	20	111	0
Diisopropyl ether	0.652	0.688	-	-5.5	20	105	0
1,1-Dichloroethane	0.364	0.362	-	0.5	20	100	0
Halothane	0.168	0.165	-	1.8	20	97	0
Acrylonitrile	0.038	0.038	-	0	20	101	0
Ethyl tert-butyl ether	0.549	0.574	-	-4.6	20	104	0
Vinyl acetate	0.429	0.461	-	-7.5	20	107	0
cis-1,2-Dichloroethene	0.221	0.215	-	2.7	20	98	0
2,2-Dichloropropane	0.298	0.339	-	-13.8	20	116	0
Bromochloromethane	0.103	0.1	-	2.9	20	95	0
Cyclohexane	0.341	0.344	-	-0.9	20	98	0
Chloroform	0.365	0.353	-	3.3	20	101	0
Ethyl acetate	0.136	0.138	-	-1.5	20	102	0
Carbon tetrachloride	0.302	0.325	-	-7.6	20	108	0
Tetrahydrofuran	0.04	0.038	-	5	20	96	0
Dibromofluoromethane	0.24	0.234	-	2.5	20	97	0
1,1,1-Trichloroethane	0.342	0.357	-	-4.4	20	104	0
2-Butanone	0.056	0.059	-	-5.4	20	107	0
1,1-Dichloropropene	0.277	0.283	-	-2.2	20	100	0
Benzene	0.838	0.796	-	5	20	93	0
tert-Amyl methyl ether	0.486	0.475	-	2.3	20	96	0
1,2-Dichloroethane-d4	0.224	0.258	-	-15.2	20	118	0
1,2-Dichloroethane	0.231	0.257	-	-11.3	20	113	0
Methyl cyclohexane	0.371	0.36	-	3	20	94	0
Trichloroethene	0.225	0.221	-	1.8	20	98	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Instrument ID : GONZO
 Lab File ID : VG190921A03
 Sample No : WG1287487-2
 Channel :

Lab Number : L1943286
 Project Number : 12930
 Calibration Date : 09/21/19 08:59
 Init. Calib. Date(s) : 09/13/19 09/13/19
 Init. Calib. Times : 02:21 06:10

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibromomethane	0.109	0.106	-	2.8	20	99	0
1,2-Dichloropropane	0.201	0.185	-	8	20	93	0
2-Chloroethyl vinyl ether	0.097	0.092	-	5.2	20	89	0
Bromodichloromethane	0.276	0.277	-	-0.4	20	103	0
1,4-Dioxane	0.00118	0.00116	-	1.7	20	92	0
cis-1,3-Dichloropropene	0.324	0.316	-	2.5	20	99	0
Chlorobenzene-d5	1	1	-	0	20	104	0
Toluene-d8	1.271	1.204	-	5.3	20	99	0
Toluene	0.732	0.697	-	4.8	20	100	0
4-Methyl-2-pentanone	0.06	0.058	-	3.3	20	95	0
Tetrachloroethene	0.411	0.393	-	4.4	20	102	0
trans-1,3-Dichloropropene	0.363	0.353	-	2.8	20	103	0
Ethyl methacrylate	0.256	0.231	-	9.8	20	94	0
1,1,2-Trichloroethane	0.171	0.157	-	8.2	20	95	0
Chlorodibromomethane	0.266	0.252	-	5.3	20	103	0
1,3-Dichloropropane	0.345	0.323	-	6.4	20	100	0
1,2-Dibromoethane	0.207	0.187	-	9.7	20	97	0
2-Hexanone	0.117	0.117	-	0	20	105	0
Chlorobenzene	0.8	0.776	-	3	20	103	0
Ethylbenzene	1.424	1.355	-	4.8	20	100	0
1,1,1,2-Tetrachloroethane	0.298	0.284	-	4.7	20	104	0
p/m Xylene	0.553	0.55	-	0.5	20	104	0
o Xylene	0.519	0.501	-	3.5	20	101	0
Styrene	0.849	0.857	-	-0.9	20	106	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	110	0
Bromoform	0.339	0.301	-	11.2	20	102	0
Isopropylbenzene	2.49	2.487	-	0.1	20	106	0
4-Bromofluorobenzene	0.798	0.754	-	5.5	20	103	0
Bromobenzene	0.697	0.673	-	3.4	20	108	0
n-Propylbenzene	2.921	2.822	-	3.4	20	102	0
1,4-Dichlorobutane	0.528	0.547	-	-3.6	20	111	0
1,1,2,2-Tetrachloroethane	0.375	0.339	-	9.6	20	95	0
4-Ethyltoluene	2.337	2.346	-	-0.4	20	107	0
2-Chlorotoluene	1.637	1.597	-	2.4	20	104	0
1,3,5-Trimethylbenzene	2.052	2.045	-	0.3	20	106	0
1,2,3-Trichloropropane	0.308	0.313	-	-1.6	20	108	0
trans-1,4-Dichloro-2-buten	0.091	0.093	-	-2.2	20	112	0
4-Chlorotoluene	1.724	1.67	-	3.1	20	106	0
tert-Butylbenzene	1.836	1.784	-	2.8	20	104	0
1,2,4-Trimethylbenzene	2.023	2.028	-	-0.2	20	109	0
sec-Butylbenzene	2.459	2.485	-	-1.1	20	107	0
p-Isopropyltoluene	2.316	2.235	-	3.5	20	103	0
1,3-Dichlorobenzene	1.267	1.27	-	-0.2	20	112	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Impact Environmental Project Name : FORMER UNION WIRE DIE CORP SIT Instrument ID : GONZO Lab File ID : VG190921A03 Sample No : WG1287487-2 Channel :	Lab Number : L1943286 Project Number : 12930 Calibration Date : 09/21/19 08:59 Init. Calib. Date(s) : 09/13/19 09/13/19 Init. Calib. Times : 02:21 06:10

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene	1.274	1.277	-	-0.2	20	110	0
p-Diethylbenzene	1.299	1.262	-	2.8	20	104	0
n-Butylbenzene	1.946	1.969	-	-1.2	20	105	0
1,2-Dichlorobenzene	1.135	1.123	-	1.1	20	110	0
1,2,4,5-Tetramethylbenzene	1.891	1.808	-	4.4	20	102	0
1,2-Dibromo-3-chloropropan	0.063	0.061	-	3.2	20	100	0
1,3,5-Trichlorobenzene	0.972	0.919	-	5.5	20	102	0
Hexachlorobutadiene	0.435	0.357	-	17.9	20	90	0
1,2,4-Trichlorobenzene	0.811	0.779	-	3.9	20	105	0
Naphthalene	1.128	1.165	-	-3.3	20	112	0
1,2,3-Trichlorobenzene	0.639	0.637	-	0.3	20	109	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Instrument ID : VOA108
 Lab File ID : V08190923A02
 Sample No : WG1287429-2
 Channel :

Lab Number : L1943286
 Project Number : 12930
 Calibration Date : 09/23/19 06:50
 Init. Calib. Date(s) : 09/20/19 09/20/19
 Init. Calib. Times : 01:48 05:06

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	106	0
Dichlorodifluoromethane	0.243	0.195	-	19.8	20	84	0
Chloromethane	0.283	0.218	-	23*	20	84	0
Vinyl chloride	0.295	0.259	-	12.2	20	92	0
Bromomethane	0.211	0.135	-	36*	20	68	0
Chloroethane	0.192	0.162	-	15.6	20	85	0
Trichlorofluoromethane	0.405	0.315	-	22.2*	20	80	0
Ethyl ether	0.12	0.108	-	10	20	101	0
1,1-Dichloroethene	0.211	0.179	-	15.2	20	90	0
Carbon disulfide	0.667	0.574	-	13.9	20	94	0
Freon-113	0.212	0.187	-	11.8	20	86	0
Iodomethane	10	2.895	-	71*	20	25	0
Acrolein	0.032	0.031*	-	3.1	20	103	0
Methylene chloride	0.251	0.214	-	14.7	20	96	0
Acetone	0.052	0.051*	-	1.9	20	103	0
trans-1,2-Dichloroethene	0.23	0.198	-	13.9	20	93	0
Methyl acetate	0.118	0.111	-	5.9	20	103	0
Methyl tert-butyl ether	0.63	0.532	-	15.6	20	102	0
tert-Butyl alcohol	0.017	0.018*	-	-5.9	20	110	0
Diisopropyl ether	0.836	0.754	-	9.8	20	102	0
1,1-Dichloroethane	0.476	0.429	-	9.9	20	96	0
Halothane	0.173	0.157	-	9.2	20	90	0
Acrylonitrile	0.064	0.062	-	3.1	20	100	0
Ethyl tert-butyl ether	0.832	0.72	-	13.5	20	97	0
Vinyl acetate	0.506	0.498	-	1.6	20	103	0
cis-1,2-Dichloroethene	0.261	0.237	-	9.2	20	106	0
2,2-Dichloropropane	0.358	0.321	-	10.3	20	95	0
Bromochloromethane	0.118	0.108	-	8.5	20	97	0
Cyclohexane	0.428	0.385	-	10	20	92	0
Chloroform	0.465	0.398	-	14.4	20	92	0
Ethyl acetate	10	11.145	-	-11.4	20	117	0
Carbon tetrachloride	0.327	0.268	-	18	20	87	0
Tetrahydrofuran	0.046	0.042*	-	8.7	20	103	0
Dibromofluoromethane	0.253	0.24	-	5.1	20	100	0
1,1,1-Trichloroethane	0.411	0.347	-	15.6	20	88	0
2-Butanone	0.078	0.067*	-	14.1	20	105	0
1,1-Dichloropropene	0.328	0.289	-	11.9	20	91	0
Benzene	1.02	0.865	-	15.2	20	96	0
tert-Amyl methyl ether	0.689	0.574	-	16.7	20	94	0
1,2-Dichloroethane-d4	0.316	0.301	-	4.7	20	90	0
1,2-Dichloroethane	0.38	0.319	-	16.1	20	92	0
Methyl cyclohexane	0.403	0.346	-	14.1	20	90	0
Trichloroethene	0.275	0.229	-	16.7	20	93	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Impact Environmental
 Project Name : FORMER UNION WIRE DIE CORP SIT
 Instrument ID : VOA108
 Lab File ID : V08190923A02
 Sample No : WG1287429-2
 Channel :

Lab Number : L1943286
 Project Number : 12930
 Calibration Date : 09/23/19 06:50
 Init. Calib. Date(s) : 09/20/19 09/20/19
 Init. Calib. Times : 01:48 05:06

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibromomethane	0.154	0.134	-	13	20	96	0
1,2-Dichloropropane	0.271	0.244	-	10	20	99	0
2-Chloroethyl vinyl ether	0.167	0.145	-	13.2	20	99	0
Bromodichloromethane	0.377	0.312	-	17.2	20	92	0
1,4-Dioxane	0.00133	0.00172*	-	-29.3*	20	132	0
cis-1,3-Dichloropropene	0.425	0.362	-	14.8	20	96	0
Chlorobenzene-d5	1	1	-	0	20	100	0
Toluene-d8	1.333	1.36	-	-2	20	102	0
Toluene	0.882	0.788	-	10.7	20	93	0
4-Methyl-2-pentanone	0.11	0.101	-	8.2	20	101	0
Tetrachloroethene	0.372	0.326	-	12.4	20	89	0
trans-1,3-Dichloropropene	0.508	0.441	-	13.2	20	94	0
Ethyl methacrylate	0.371	0.333	-	10.2	20	96	0
1,1,2-Trichloroethane	0.247	0.226	-	8.5	20	97	0
Chlorodibromomethane	0.359	0.312	-	13.1	20	92	0
1,3-Dichloropropane	0.511	0.464	-	9.2	20	98	0
1,2-Dibromoethane	0.288	0.258	-	10.4	20	97	0
2-Hexanone	0.187	0.169	-	9.6	20	97	0
Chlorobenzene	0.973	0.863	-	11.3	20	93	0
Ethylbenzene	1.686	1.5	-	11	20	92	0
1,1,1,2-Tetrachloroethane	0.355	0.307	-	13.5	20	93	0
p/m Xylene	0.64	0.582	-	9.1	20	93	0
o Xylene	0.615	0.562	-	8.6	20	94	0
Styrene	1.02	0.936	-	8.2	20	96	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	95	0
Bromoform	0.453	0.401	-	11.5	20	96	0
Isopropylbenzene	3.377	3.097	-	8.3	20	92	0
4-Bromofluorobenzene	1.001	1.002	-	-0.1	20	96	0
Bromobenzene	0.821	0.733	-	10.7	20	95	0
n-Propylbenzene	3.904	3.63	-	7	20	95	0
1,4-Dichlorobutane	1.03	0.986	-	4.3	20	101	0
1,1,2,2-Tetrachloroethane	0.712	0.654	-	8.1	20	99	0
4-Ethyltoluene	3.104	2.856	-	8	20	93	0
2-Chlorotoluene	2.666	2.48	-	7	20	95	0
1,3,5-Trimethylbenzene	2.717	2.48	-	8.7	20	93	0
1,2,3-Trichloropropane	10	9.986	-	0.1	20	99	0
trans-1,4-Dichloro-2-buten	0.184	0.174	-	5.4	20	96	0
4-Chlorotoluene	2.407	2.236	-	7.1	20	97	0
tert-Butylbenzene	2.723	2.537	-	6.8	20	92	0
Pentachloroethane	0.508	0.459	-	9.6	20	87	0
1,2,4-Trimethylbenzene	2.697	2.444	-	9.4	20	92	0
sec-Butylbenzene	3.213	2.975	-	7.4	20	91	0
p-Isopropyltoluene	2.868	2.641	-	7.9	20	92	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Impact Environmental Project Name : FORMER UNION WIRE DIE CORP SIT Instrument ID : VOA108 Lab File ID : V08190923A02 Sample No : WG1287429-2 Channel :	Lab Number : L1943286 Project Number : 12930 Calibration Date : 09/23/19 06:50 Init. Calib. Date(s) : 09/20/19 09/20/19 Init. Calib. Times : 01:48 05:06

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,3-Dichlorobenzene	1.519	1.376	-	9.4	20	93	0
1,4-Dichlorobenzene	1.562	1.386	-	11.3	20	92	0
p-Diethylbenzene	1.638	1.469	-	10.3	20	93	0
n-Butylbenzene	2.637	2.435	-	7.7	20	94	0
1,2-Dichlorobenzene	1.442	1.288	-	10.7	20	93	0
1,2,4,5-Tetramethylbenzene	2.487	2.135	-	14.2	20	90	0
1,2-Dibromo-3-chloropropan	0.102	0.094	-	7.8	20	97	0
1,3,5-Trichlorobenzene	1.068	0.917	-	14.1	20	95	0
Hexachlorobutadiene	0.471	0.407	-	13.6	20	91	0
1,2,4-Trichlorobenzene	1.018	0.843	-	17.2	20	92	0
Naphthalene	2.18	1.812	-	16.9	20	93	0
1,2,3-Trichlorobenzene	0.925	0.766	-	17.2	20	92	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A03.D
 Acq On : 21 Sep 2019 8:59
 Operator : GONZO:PD
 Sample : WG1287487-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1287487,ICAL16127 (Sig #1); WG,ICAL16127 (Sig #2)
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 21 09:33:04 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	99	0.00
2 TP	Dichlorodifluoromethane	0.211	0.196	7.1	89	0.00
3 TP	Chloromethane	0.246	0.217	11.8	87	0.00
4 TC	Vinyl chloride	0.205	0.204	0.5	95	0.00
5 TP	Bromomethane	0.101	0.068	32.7#	82	0.00
6 TP	Chloroethane	0.122	0.125	-2.5	102	0.00
7 TP	Trichlorofluoromethane	0.334	0.346	-3.6	101	0.00
8 TP	Ethyl ether	0.085	0.079	7.1	90	0.00
10 TC	1,1-Dichloroethene	0.184	0.173	6.0	95	0.00
11 TP	Carbon disulfide	0.530	0.496	6.4	94	0.00
12 TP	Freon-113	0.193	0.193	0.0	96	0.00
13 TP	Iodomethane	0.278	0.075	73.0#	26#	0.00
14 TP	Acrolein	0.019	0.016	15.8	90	0.00
15 TP	Methylene chloride	0.196	0.183	6.6	97	0.00
17 TP	Acetone	* 10.000	9.411	5.9	97	0.00
18 TP	trans-1,2-Dichloroethene	0.202	0.193	4.5	97	0.00
19 TP	Methyl acetate	0.090	0.093	-3.3	98	0.00
20 TP	Methyl tert-butyl ether	0.427	0.429	-0.5	101	0.00
21 TP	tert-Butyl alcohol	0.010	0.012	-20.0	111	0.00
22 TP	Diisopropyl ether	0.652	0.688	-5.5	105	0.00
23 TP	1,1-Dichloroethane	0.364	0.362	0.5	100	0.00
24 TP	Halothane	0.168	0.165	1.8	97	0.00
25 TP	Acrylonitrile	0.038	0.038	0.0	101	0.00
26 TP	Ethyl tert-butyl ether	0.549	0.574	-4.6	104	0.00
27 TP	Vinyl acetate	0.429	0.461	-7.5	107	0.00
28 TP	cis-1,2-Dichloroethene	0.221	0.215	2.7	98	0.00
29 TP	2,2-Dichloropropane	0.298	0.339	-13.8	116	0.00
30 TP	Bromochloromethane	0.103	0.100	2.9	95	0.00
31 TP	Cyclohexane	0.341	0.344	-0.9	98	0.00
32 TC	Chloroform	0.365	0.353	3.3	101	0.00
33 TP	Ethyl acetate	0.136	0.138	-1.5	102	0.00
34 TP	Carbon tetrachloride	0.302	0.325	-7.6	108	0.00
35 TP	Tetrahydrofuran	0.040	0.038	5.0	96	0.00
36 S	Dibromofluoromethane	0.240	0.234	2.5	97	0.00
37 TP	1,1,1-Trichloroethane	0.342	0.357	-4.4	104	0.00
39 TP	2-Butanone	0.056	0.059	-5.4	107	0.00
40 TP	1,1-Dichloropropene	0.277	0.283	-2.2	100	0.00
41 TP	Benzene	0.838	0.796	5.0	93	0.00
42 TP	tert-Amyl methyl ether	0.486	0.475	2.3	96	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A03.D
 Acq On : 21 Sep 2019 8:59
 Operator : GONZO:PD
 Sample : WG1287487-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1287487, ICAL16127 (Sig #1); WG, ICAL16127 (Sig #2)
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 21 09:33:04 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43 S	1,2-Dichloroethane-d4	0.224	0.258	-15.2	118	0.00
44 TP	1,2-Dichloroethane	0.231	0.257	-11.3	113	0.00
47 TP	Methyl cyclohexane	0.371	0.360	3.0	94	0.00
48 TP	Trichloroethene	0.225	0.221	1.8	98	0.00
50 TP	Dibromomethane	0.109	0.106	2.8	99	0.00
51 TC	1,2-Dichloropropane	0.201	0.185	8.0	93	0.00
53 TP	2-Chloroethyl vinyl ether	0.097	0.092	5.2	89	0.00
54 TP	Bromodichloromethane	0.276	0.277	-0.4	103	0.00
57 TP	1,4-Dioxane	0.00118	0.00116	1.7	92	0.00
58 TP	cis-1,3-Dichloropropene	0.324	0.316	2.5	99	0.00
59 I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
60 S	Toluene-d8	1.271	1.204	5.3	99	0.00
61 TC	Toluene	0.732	0.697	4.8	100	0.00
62 TP	4-Methyl-2-pentanone	0.060	0.058	3.3	95	0.00
63 TP	Tetrachloroethene	0.411	0.393	4.4	102	0.00
65 TP	trans-1,3-Dichloropropene	0.363	0.353	2.8	103	0.00
67 TP	Ethyl methacrylate	0.256	0.231	9.8	94	0.00
68 TP	1,1,2-Trichloroethane	0.171	0.157	8.2	95	0.00
69 TP	Chlorodibromomethane	0.266	0.252	5.3	103	0.00
70 TP	1,3-Dichloropropane	0.345	0.323	6.4	100	0.00
71 TP	1,2-Dibromoethane	0.207	0.187	9.7	97	0.00
72 TP	2-Hexanone	0.117	0.117	0.0	105	0.00
73 TP	Chlorobenzene	0.800	0.776	3.0	103	0.00
74 TC	Ethylbenzene	1.424	1.355	4.8	100	0.00
75 TP	1,1,1,2-Tetrachloroethane	0.298	0.284	4.7	104	0.00
76 TP	p/m Xylene	0.553	0.550	0.5	104	0.00
77 TP	o Xylene	0.519	0.501	3.5	101	0.00
78 TP	Styrene	0.849	0.857	-0.9	106	0.00
79 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	110	0.00
80 TP	Bromoform	0.339	0.301	11.2	102	0.00
82 TP	Isopropylbenzene	2.490	2.487	0.1	106	0.00
83 S	4-Bromofluorobenzene	0.798	0.754	5.5	103	0.00
84 TP	Bromobenzene	0.697	0.673	3.4	108	0.00
85 TP	n-Propylbenzene	2.921	2.822	3.4	102	0.00
86 TP	1,4-Dichlorobutane	0.528	0.547	-3.6	111	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.375	0.339	9.6	95	0.00
88 TP	4-Ethyltoluene	2.337	2.346	-0.4	107	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A03.D
 Acq On : 21 Sep 2019 8:59
 Operator : GONZO:PD
 Sample : WG1287487-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1287487, ICAL16127 (Sig #1); WG, ICAL16127 (Sig #2)
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 21 09:33:04 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	1.637	1.597	2.4	104	0.00
90 TP	1,3,5-Trimethylbenzene	2.052	2.045	0.3	106	0.00
91 TP	1,2,3-Trichloropropane	0.308	0.313	-1.6	108	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.091	0.093	-2.2	112	0.00
93 TP	4-Chlorotoluene	1.724	1.670	3.1	106	0.00
94 TP	tert-Butylbenzene	1.836	1.784	2.8	104	0.00
97 TP	1,2,4-Trimethylbenzene	2.023	2.028	-0.2	109	0.00
98 TP	sec-Butylbenzene	2.459	2.485	-1.1	107	0.00
99 TP	p-Isopropyltoluene	2.316	2.235	3.5	103	0.00
100 TP	1,3-Dichlorobenzene	1.267	1.270	-0.2	112	0.00
101 TP	1,4-Dichlorobenzene	1.274	1.277	-0.2	110	0.00
102 TP	p-Diethylbenzene	1.299	1.262	2.8	104	0.00
103 TP	n-Butylbenzene	1.946	1.969	-1.2	105	0.00
104 TP	1,2-Dichlorobenzene	1.135	1.123	1.1	110	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.891	1.808	4.4	102	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.063	0.061	3.2	100	0.00
107 TP	1,3,5-Trichlorobenzene	0.972	0.919	5.5	102	0.00
108 TP	Hexachlorobutadiene	0.435	0.357	17.9	90	0.00
109 TP	1,2,4-Trichlorobenzene	0.811	0.779	3.9	105	0.00
110 TP	Naphthalene	1.128	1.165	-3.3	112	0.00
111 TP	1,2,3-Trichlorobenzene	0.639	0.637	0.3	109	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A03.D
 Acq On : 21 Sep 2019 8:59
 Operator : GONZO:PD
 Sample : WG1287487-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1287487, ICAL16127 (Sig #1); WG, ICAL16127 (Sig #2)
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 21 09:33:04 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.486	96	315591	10.000	ug/L	0.00
59) Chlorobenzene-d5	10.068	117	245301	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.664	152	143167	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	5.655	113	73893	9.758	ug/L	0.00
Spiked Amount	10.000		Recovery	=	97.58%	
43) 1,2-Dichloroethane-d4	6.203	65	81287	11.504	ug/L	0.00
Spiked Amount	10.000		Recovery	=	115.04%	
60) Toluene-d8	8.198	98	295386	9.471	ug/L	0.00
Spiked Amount	10.000		Recovery	=	94.71%	
83) 4-Bromofluorobenzene	11.489	95	107994	9.455	ug/L	0.00
Spiked Amount	10.000		Recovery	=	94.55%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.850	85	61856	9.297	ug/L	97
3) Chloromethane	2.075	50	68500	8.812	ug/L	98
4) Vinyl chloride	2.153	62	64322	9.960	ug/L	97
5) Bromomethane	2.506	94	21435M1	6.710	ug/L	
6) Chloroethane	2.633	64	39411	10.233	ug/L	95
7) Trichlorofluoromethane	2.779	101	109268	10.381	ug/L	100
8) Ethyl ether	3.112	74	24816	9.221	ug/L #	78
10) 1,1-Dichloroethene	3.317	96	54636	9.405	ug/L	87
11) Carbon disulfide	3.347	76	156658	9.358	ug/L	99
12) Freon-113	3.356	101	60942	9.984	ug/L	86
13) Iodomethane	3.474	142	23514M1	2.682	ug/L	
14) Acrolein	3.660	56	5034	8.512	ug/L	97
15) Methylene chloride	3.904	84	57879	9.364	ug/L	83
17) Acetone	3.953	43	11652	9.411	ug/L	91
18) trans-1,2-Dichloroethene	4.061	96	60844	9.558	ug/L	91
19) Methyl acetate	4.070	43	29201	10.233	ug/L #	91
20) Methyl tert-butyl ether	4.158	73	135390	10.052	ug/L #	88
21) tert-Butyl alcohol	4.247	59	18932	57.133	ug/L	94
22) Diisopropyl ether	4.530	45	216985	10.544	ug/L	96
23) 1,1-Dichloroethane	4.677	63	114214	9.933	ug/L	99
24) Halothane	4.716	117	52177	9.816	ug/L	100
25) Acrylonitrile	4.726	53	11883	9.908	ug/L	96
26) Ethyl tert-butyl ether	4.892	59	181268	10.465	ug/L	87
27) Vinyl acetate	4.912	43	145493	10.739	ug/L	96
28) cis-1,2-Dichloroethene	5.205	96	67830	9.714	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A03.D
 Acq On : 21 Sep 2019 8:59
 Operator : GONZO:PD
 Sample : WG1287487-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1287487, ICAL16127 (Sig #1); WG, ICAL16127 (Sig #2)
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 21 09:33:04 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29)	2,2-Dichloropropane	5.313	77	107111	11.385	ug/L	91
30)	Bromochloromethane	5.410	128	31659	9.778	ug/L	89
31)	Cyclohexane	5.401	56	108675	10.085	ug/L	90
32)	Chloroform	5.479	83	111281	9.669	ug/L	94
33)	Ethyl acetate	5.586	43	43407	10.140	ug/L #	95
34)	Carbon tetrachloride	5.616	117	102646	10.767	ug/L	98
35)	Tetrahydrofuran	5.635	42	12089M1	9.478	ug/L	
37)	1,1,1-Trichloroethane	5.684	97	112589	10.421	ug/L	95
39)	2-Butanone	5.782	43	18760	10.662	ug/L #	84
40)	1,1-Dichloropropene	5.811	75	89214	10.208	ug/L	99
41)	Benzene	6.066	78	251135	9.501	ug/L	95
42)	tert-Amyl methyl ether	6.164	73	149988	9.774	ug/L	96
44)	1,2-Dichloroethane	6.271	62	81048	11.133	ug/L	99
47)	Methyl cyclohexane	6.653	83	113673	9.721	ug/L #	83
48)	Trichloroethene	6.662	95	69768	9.846	ug/L	99
50)	Dibromomethane	7.122	93	33533	9.724	ug/L #	87
51)	1,2-Dichloropropane	7.230	63	58474	9.240	ug/L	96
53)	2-Chloroethyl vinyl ether	7.914	63	28925	9.450	ug/L #	86
54)	Bromodichloromethane	7.288	83	87300	10.034	ug/L	97
57)	1,4-Dioxane	7.504	88	18303	490.480	ug/L #	90
58)	cis-1,3-Dichloropropene	7.993	75	99706	9.758	ug/L #	83
61)	Toluene	8.257	92	171091	9.523	ug/L	99
62)	4-Methyl-2-pentanone	8.697	58	14202	9.571	ug/L	75
63)	Tetrachloroethene	8.707	166	96503	9.580	ug/L	96
65)	trans-1,3-Dichloropropene	8.746	75	86667	9.738	ug/L	84
67)	Ethyl methacrylate	8.922	69	56763	9.054	ug/L	95
68)	1,1,2-Trichloroethane	8.942	83	38613	9.181	ug/L	98
69)	Chlorodibromomethane	9.147	129	61694	9.441	ug/L	98
70)	1,3-Dichloropropane	9.265	76	79333	9.370	ug/L	98
71)	1,2-Dibromoethane	9.441	107	45828	9.037	ug/L	98
72)	2-Hexanone	9.716	43	28812	10.042	ug/L	89
73)	Chlorobenzene	10.088	112	190445	9.700	ug/L	98
74)	Ethylbenzene	10.117	91	332420	9.517	ug/L	99
75)	1,1,1,2-Tetrachloroethane	10.166	131	69751	9.542	ug/L	99
76)	p/m Xylene	10.303	106	270033	19.914	ug/L	99
77)	o Xylene	10.813	106	245936	19.325	ug/L	97
78)	Styrene	10.871	104	420285	20.179	ug/L	99
80)	Bromoform	10.911	173	43028	8.868	ug/L	100
82)	Isopropylbenzene	11.175	105	355995	9.985	ug/L	100
84)	Bromobenzene	11.596	156	96301	9.657	ug/L	96
85)	n-Propylbenzene	11.636	91	403966	9.658	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A03.D
 Acq On : 21 Sep 2019 8:59
 Operator : GONZO:PD
 Sample : WG1287487-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1287487,ICAL16127 (Sig #1); WG,ICAL16127 (Sig #2)
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 21 09:33:04 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
86)	1,4-Dichlorobutane	11.655	55	78269	10.353	ug/L	95
87)	1,1,2,2-Tetrachloroethane	11.714	83	48540	9.050	ug/L	97
88)	4-Ethyltoluene	11.753	105	335887	10.038	ug/L	99
89)	2-Chlorotoluene	11.802	91	228663M1	9.758	ug/L	
90)	1,3,5-Trimethylbenzene	11.841	105	292812	9.965	ug/L	100
91)	1,2,3-Trichloropropane	11.861	75	44751M1	10.144	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.910	53	13310	10.241	ug/L #	94
93)	4-Chlorotoluene	11.978	91	239091	9.685	ug/L	97
94)	tert-Butylbenzene	12.174	119	255384	9.718	ug/L	98
97)	1,2,4-Trimethylbenzene	12.253	105	290312	10.023	ug/L	99
98)	sec-Butylbenzene	12.360	105	355772	10.106	ug/L	98
99)	p-Isopropyltoluene	12.507	119	319960	9.649	ug/L	99
100)	1,3-Dichlorobenzene	12.586	146	181855	10.023	ug/L	96
101)	1,4-Dichlorobenzene	12.674	146	182824	10.025	ug/L	98
102)	p-Diethylbenzene	12.870	119	180717	9.716	ug/L	98
103)	n-Butylbenzene	12.929	91	281880	10.119	ug/L	99
104)	1,2-Dichlorobenzene	13.095	146	160716	9.891	ug/L	97
105)	1,2,4,5-Tetramethylben...	13.654	119	258829	9.559	ug/L	98
106)	1,2-Dibromo-3-chloropr...	13.859	155	8729	9.749	ug/L	97
107)	1,3,5-Trichlorobenzene	13.889	180	131508	9.452	ug/L	96
108)	Hexachlorobutadiene	14.447	225	51074	8.209	ug/L	99
109)	1,2,4-Trichlorobenzene	14.476	180	111499	9.601	ug/L	98
110)	Naphthalene	14.780	128	166788	10.329	ug/L	100
111)	1,2,3-Trichlorobenzene	14.937	180	91248	9.978	ug/L	97

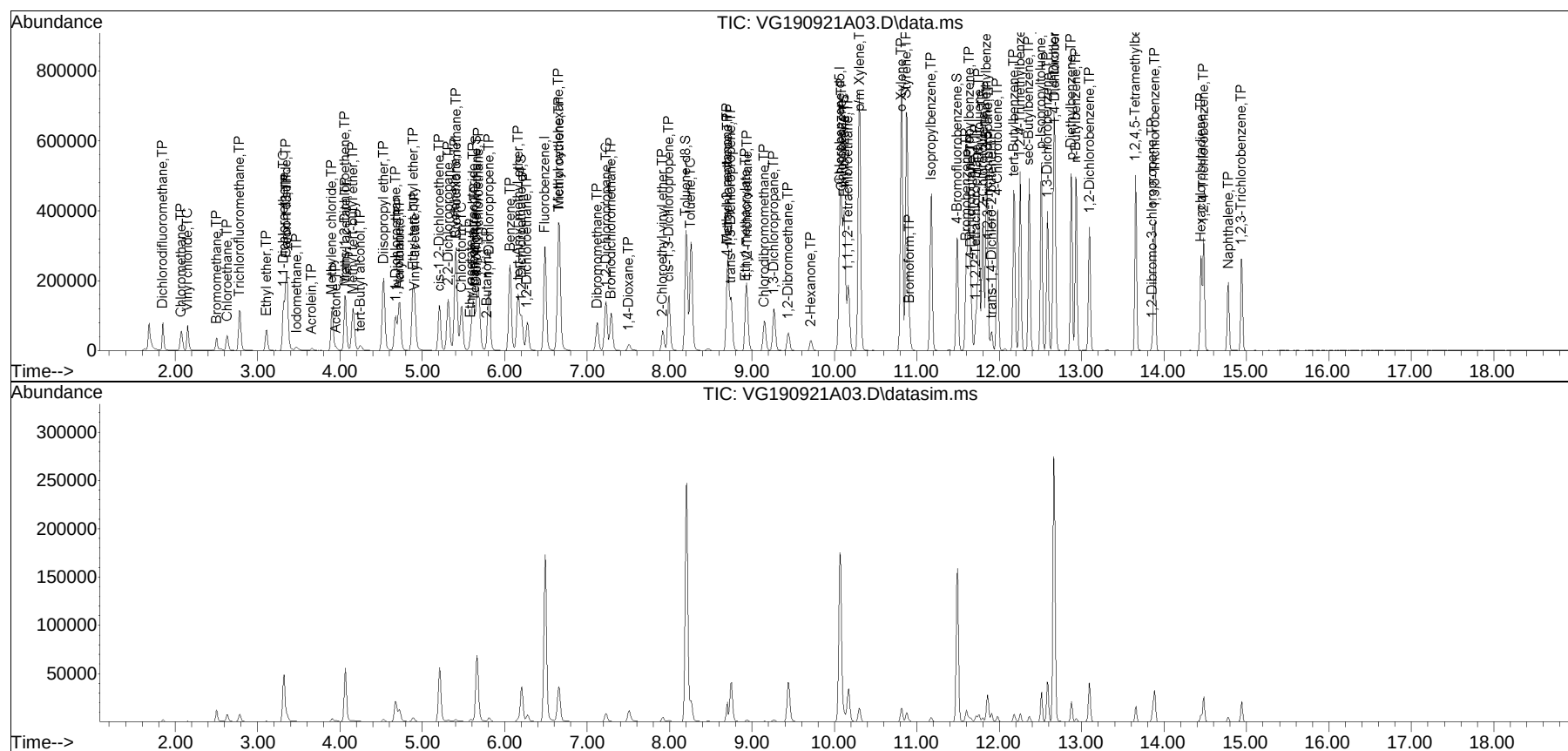
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A03.D
 Acq On : 21 Sep 2019 8:59
 Operator : GONZO:PD
 Sample : WG1287487-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1287487,ICAL16127 (Sig #1); WG,ICAL16127 (Sig #2)
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 21 09:33:04 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

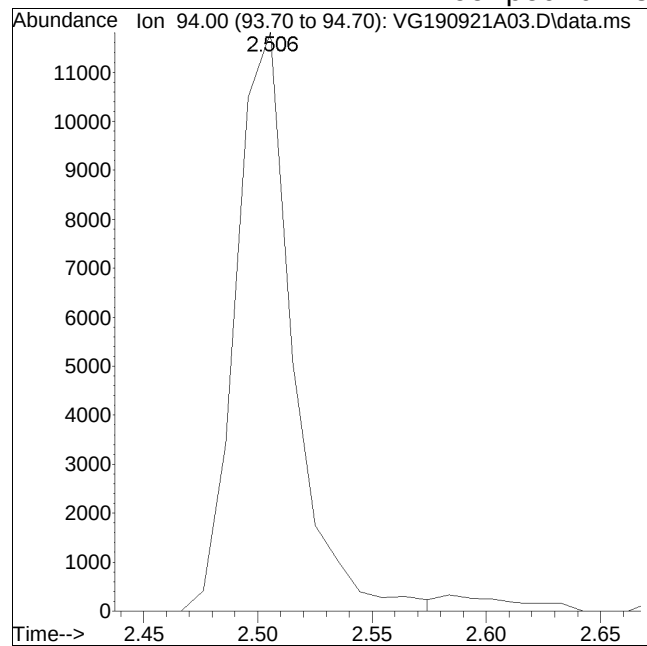
Sub List : 8260-Curve - Megamix plus Diox



Manual Integration Report

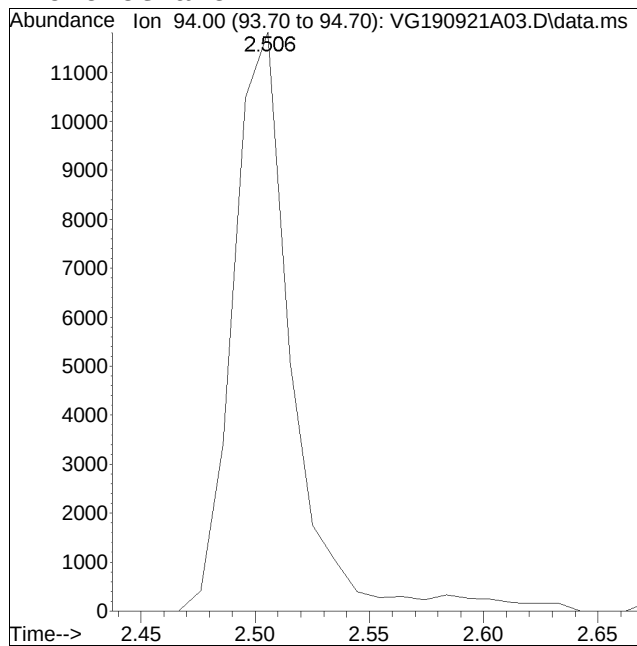
Data Path : I:\VOLATILES\Gonzo\2019\19QMethod : G_190913_8260.m
Data File : VG190921A03.D Operator : GONZO:PD
Date Inj'd : 9/21/2019 8:59 Instrument : Gonzo
Sample : WG1287487-2 Quant Date : 9/21/2019 9:32 am

Compound #5: Bromomethane



Original Peak Response = 20658

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

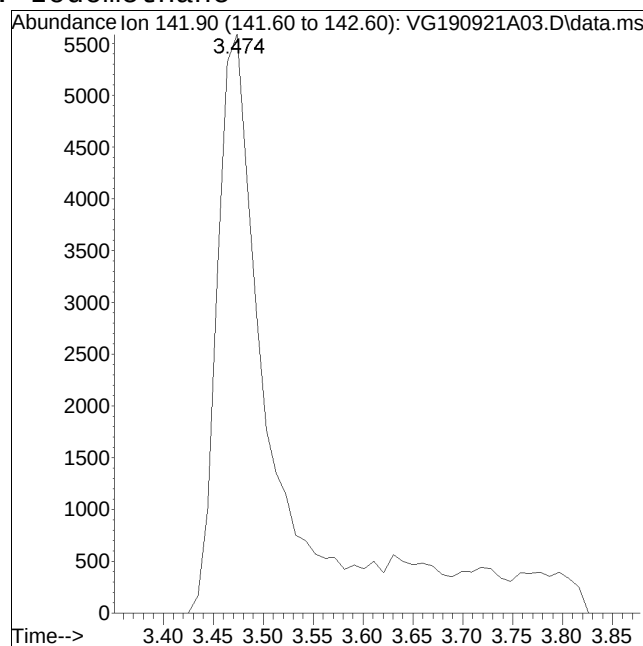
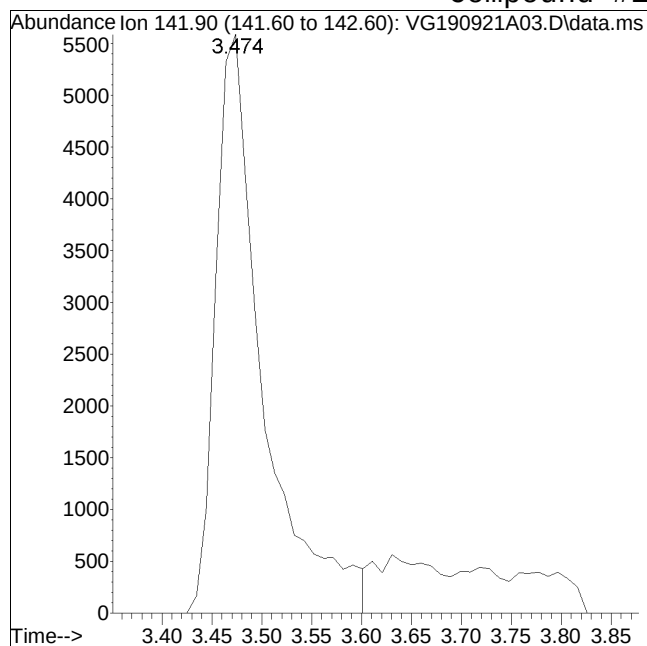


Manual Peak Response = 21435 M1

Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2019\190Method : G_190913_8260.m
Data File : VG190921A03.D Operator : GONZO:PD
Date Inj'd : 9/21/2019 8:59 Instrument : Gonzo
Sample : WG1287487-2 Quant Date : 9/21/2019 9:32 am

Compound #13: Iodomethane



Original Peak Response = 18294

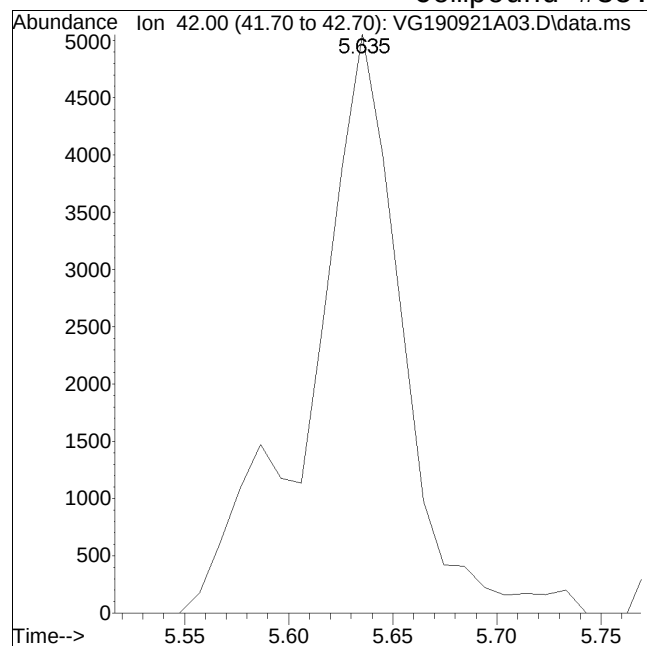
Manual Peak Response = 23514 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

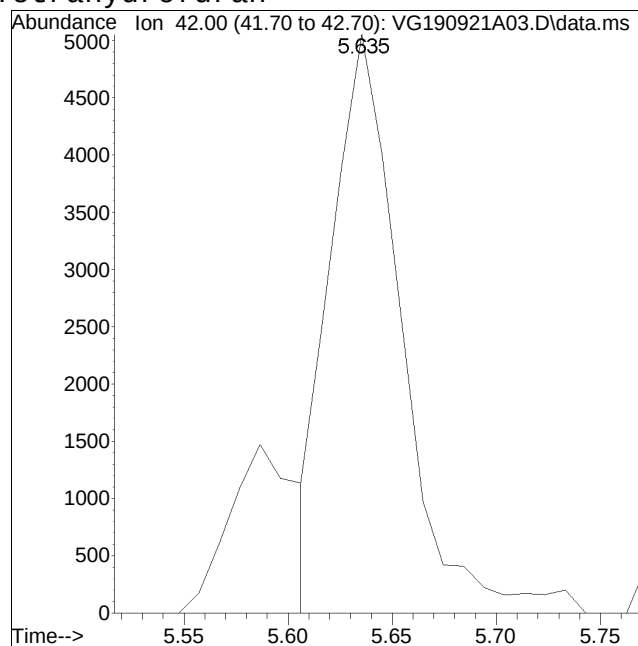
Data Path : I:\VOLATILES\Gonzo\2019\190Method : G_190913_8260.m
Data File : VG190921A03.D Operator : GONZO:PD
Date Inj'd : 9/21/2019 8:59 Instrument : Gonzo
Sample : WG1287487-2 Quant Date : 9/21/2019 9:32 am

Compound #35: Tetrahydrofuran



Original Peak Response = 15411

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



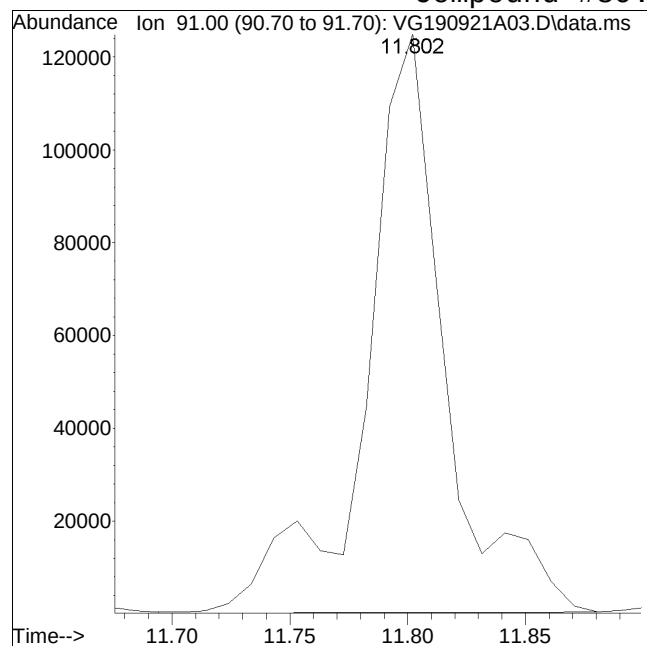
Manual Peak Response = 12089 M1

Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2019\190
Data File : VG190921A03.D
Date Inj'd : 9/21/2019 8:59
Sample : WG1287487-2

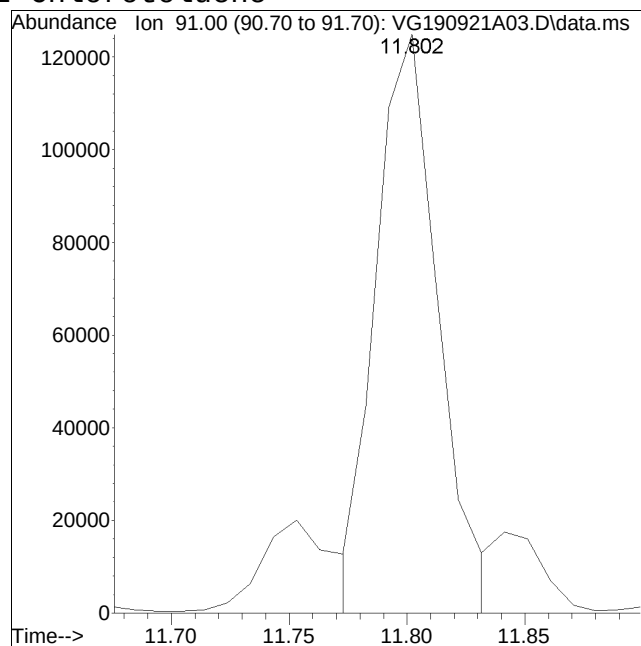
Method : G_190913_8260.m
Operator : GONZO:PD
Instrument : Gonzo
Quant Date : 9/21/2019 9:32 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 293156

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

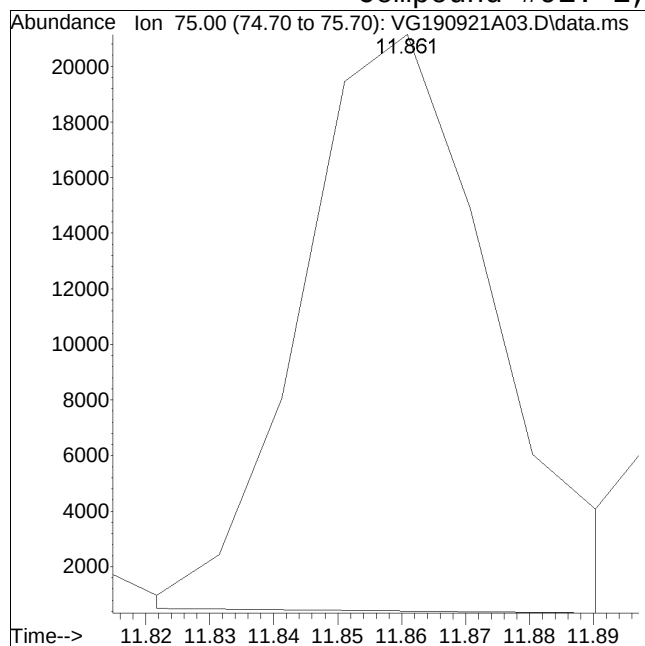


Manual Peak Response = 228663 M1

Manual Integration Report

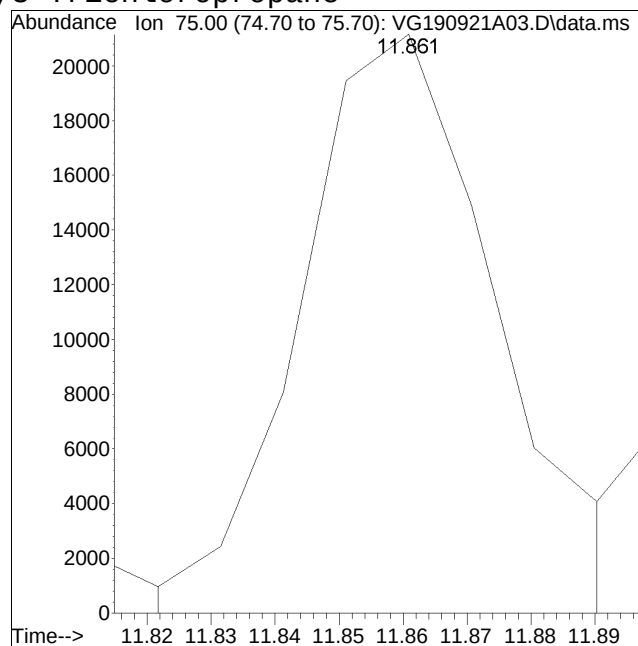
Data Path : I:\VOLATILES\Gonzo\2019\190Method : G_190913_8260.m
Data File : VG190921A03.D Operator : GONZO:PD
Date Inj'd : 9/21/2019 8:59 Instrument : Gonzo
Sample : WG1287487-2 Quant Date : 9/21/2019 9:32 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 43035

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 44751 M1

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A02.D
 Acq On : 23 Sep 2019 6:50
 Operator : VOA108:PD
 Sample : WG1287429-2
 Misc : WG1287429,ICAL16150
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 07:30:26 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	106	0.00
2 TP	Dichlorodifluoromethane	0.243	0.195	19.8	84	0.00
3 TP	Chloromethane	0.283	0.218	23.0#	84	0.00
4 TC	Vinyl chloride	0.295	0.259	12.2	92	0.00
5 TP	Bromomethane	0.211	0.135	36.0#	68	0.00
6 TP	Chloroethane	0.192	0.162	15.6	85	0.00
7 TP	Trichlorofluoromethane	0.405	0.315	22.2#	80	0.00
8 TP	Ethyl ether	0.120	0.108	10.0	101	0.00
10 TC	1,1-Dichloroethene	0.211	0.179	15.2	90	0.00
11 TP	Carbon disulfide	0.667	0.574	13.9	94	0.00
12 TP	Freon-113	0.212	0.187	11.8	86	0.00
13 TP	Iodomethane	* 10.000	2.895	71.0#	25#	0.00
14 TP	Acrolein	0.032	0.031#	3.1	103	0.00
15 TP	Methylene chloride	0.251	0.214	14.7	96	0.00
17 TP	Acetone	0.052	0.051#	1.9	103	0.00
18 TP	trans-1,2-Dichloroethene	0.230	0.198	13.9	93	0.00
19 TP	Methyl acetate	0.118	0.111	5.9	103	0.00
20 TP	Methyl tert-butyl ether	0.630	0.532	15.6	102	0.00
21 TP	tert-Butyl alcohol	0.017	0.018#	-5.9	110	0.00
22 TP	Diisopropyl ether	0.836	0.754	9.8	102	0.00
23 TP	1,1-Dichloroethane	0.476	0.429	9.9	96	0.00
24 TP	Halothane	0.173	0.157	9.2	90	0.00
25 TP	Acrylonitrile	0.064	0.062	3.1	100	0.00
26 TP	Ethyl tert-butyl ether	0.832	0.720	13.5	97	0.00
27 TP	Vinyl acetate	0.506	0.498	1.6	103	0.00
28 TP	cis-1,2-Dichloroethene	0.261	0.237	9.2	106	0.00
29 TP	2,2-Dichloropropane	0.358	0.321	10.3	95	0.00
30 TP	Bromochloromethane	0.118	0.108	8.5	97	0.00
31 TP	Cyclohexane	0.428	0.385	10.0	92	0.00
32 TC	Chloroform	0.465	0.398	14.4	92	0.00
33 TP	Ethyl acetate	* 10.000	11.145	-11.4	117	0.00
34 TP	Carbon tetrachloride	0.327	0.268	18.0	87	0.00
35 TP	Tetrahydrofuran	0.046	0.042#	8.7	103	0.00
36 S	Dibromofluoromethane	0.253	0.240	5.1	100	0.00
37 TP	1,1,1-Trichloroethane	0.411	0.347	15.6	88	0.00
39 TP	2-Butanone	0.078	0.067#	14.1	105	0.00
40 TP	1,1-Dichloropropene	0.328	0.289	11.9	91	0.00
41 TP	Benzene	1.020	0.865	15.2	96	0.00
42 TP	tert-Amyl methyl ether	0.689	0.574	16.7	94	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A02.D
 Acq On : 23 Sep 2019 6:50
 Operator : VOA108:PD
 Sample : WG1287429-2
 Misc : WG1287429,ICAL16150
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 07:30:26 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43 S	1,2-Dichloroethane-d4	0.316	0.301	4.7	90	0.00
44 TP	1,2-Dichloroethane	0.380	0.319	16.1	92	0.00
47 TP	Methyl cyclohexane	0.403	0.346	14.1	90	0.00
48 TP	Trichloroethene	0.275	0.229	16.7	93	0.00
50 TP	Dibromomethane	0.154	0.134	13.0	96	0.00
51 TC	1,2-Dichloropropane	0.271	0.244	10.0	99	0.00
53 TP	2-Chloroethyl vinyl ether	0.167	0.145	13.2	99	0.00
54 TP	Bromodichloromethane	0.377	0.312	17.2	92	0.00
57 TP	1,4-Dioxane	0.00133	0.00172#	-29.3#	132	0.00
58 TP	cis-1,3-Dichloropropene	0.425	0.362	14.8	96	0.00
59 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
60 S	Toluene-d8	1.333	1.360	-2.0	102	0.00
61 TC	Toluene	0.882	0.788	10.7	93	0.00
62 TP	4-Methyl-2-pentanone	0.110	0.101	8.2	101	0.00
63 TP	Tetrachloroethene	0.372	0.326	12.4	89	0.00
65 TP	trans-1,3-Dichloropropene	0.508	0.441	13.2	94	0.00
67 TP	Ethyl methacrylate	0.371	0.333	10.2	96	0.00
68 TP	1,1,2-Trichloroethane	0.247	0.226	8.5	97	0.00
69 TP	Chlorodibromomethane	0.359	0.312	13.1	92	0.00
70 TP	1,3-Dichloropropane	0.511	0.464	9.2	98	0.00
71 TP	1,2-Dibromoethane	0.288	0.258	10.4	97	0.00
72 TP	2-Hexanone	0.187	0.169	9.6	97	0.00
73 TP	Chlorobenzene	0.973	0.863	11.3	93	0.00
74 TC	Ethylbenzene	1.686	1.500	11.0	92	0.00
75 TP	1,1,1,2-Tetrachloroethane	0.355	0.307	13.5	93	0.00
76 TP	p/m Xylene	0.640	0.582	9.1	93	0.00
77 TP	o Xylene	0.615	0.562	8.6	94	0.00
78 TP	Styrene	1.020	0.936	8.2	96	0.00
79 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
80 TP	Bromoform	0.453	0.401	11.5	96	0.00
82 TP	Isopropylbenzene	3.377	3.097	8.3	92	0.00
83 S	4-Bromofluorobenzene	1.001	1.002	-0.1	96	0.00
84 TP	Bromobenzene	0.821	0.733	10.7	95	0.00
85 TP	n-Propylbenzene	3.904	3.630	7.0	95	0.00
86 TP	1,4-Dichlorobutane	1.030	0.986	4.3	101	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.712	0.654	8.1	99	0.00
88 TP	4-Ethyltoluene	3.104	2.856	8.0	93	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A02.D
 Acq On : 23 Sep 2019 6:50
 Operator : VOA108:PD
 Sample : WG1287429-2
 Misc : WG1287429,ICAL16150
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 07:30:26 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	2.666	2.480	7.0	95	0.00
90 TP	1,3,5-Trimethylbenzene	2.717	2.480	8.7	93	0.00
91 TP	1,2,3-Trichloropropane	* 10.000	9.986	0.1	99	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.184	0.174	5.4	96	0.00
93 TP	4-Chlorotoluene	2.407	2.236	7.1	97	0.00
94 TP	tert-Butylbenzene	2.723	2.537	6.8	92	0.00
95 TP	Pentachloroethane	0.508	0.459	9.6	87	0.00
97 TP	1,2,4-Trimethylbenzene	2.697	2.444	9.4	92	0.00
98 TP	sec-Butylbenzene	3.213	2.975	7.4	91	0.00
99 TP	p-Isopropyltoluene	2.868	2.641	7.9	92	0.00
100 TP	1,3-Dichlorobenzene	1.519	1.376	9.4	93	0.00
101 TP	1,4-Dichlorobenzene	1.562	1.386	11.3	92	0.00
102 TP	p-Diethylbenzene	1.638	1.469	10.3	93	0.00
103 TP	n-Butylbenzene	2.637	2.435	7.7	94	0.00
104 TP	1,2-Dichlorobenzene	1.442	1.288	10.7	93	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.487	2.135	14.2	90	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.102	0.094	7.8	97	0.00
107 TP	1,3,5-Trichlorobenzene	1.068	0.917	14.1	95	0.00
108 TP	Hexachlorobutadiene	0.471	0.407	13.6	91	0.00
109 TP	1,2,4-Trichlorobenzene	1.018	0.843	17.2	92	0.00
110 TP	Naphthalene	2.180	1.812	16.9	93	0.00
111 TP	1,2,3-Trichlorobenzene	0.925	0.766	17.2	92	0.00

* Evaluation of CC level amount vs concentration.

(#) = Out of Range SPCC's out = 6 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A02.D
 Acq On : 23 Sep 2019 6:50
 Operator : VOA108:PD
 Sample : WG1287429-2
 Misc : WG1287429,ICAL16150
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 07:30:26 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190923A\V08190923A02.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.512	96	177933	10.000	ug/L	0.00
Standard Area 1 = 177933			Recovery	=	100.00%	
59) Chlorobenzene-d5	8.501	117	123701	10.000	ug/L	0.00
Standard Area 1 = 123701			Recovery	=	100.00%	
79) 1,4-Dichlorobenzene-d4	9.987	152	59279	10.000	ug/L	0.00
Standard Area 1 = 59279			Recovery	=	100.00%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.530	113	42729	9.504	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.04%	
43) 1,2-Dichloroethane-d4	5.166	65	53524	9.532	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.32%	
60) Toluene-d8	7.207	98	168243	10.201	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.01%	
83) 4-Bromofluorobenzene	9.318	95	59386	10.005	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.05%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.963	85	34738	8.050	ug/L	99
3) Chloromethane	1.083	50	38781	7.708	ug/L	100
4) Vinyl chloride	1.136	62	46109	8.789	ug/L	97
5) Bromomethane	1.343	94	24074	6.402	ug/L	100
6) Chloroethane	1.423	64	28744	8.435	ug/L	99
7) Trichlorofluoromethane	1.524	101	56133	7.781	ug/L	96
8) Ethyl ether	1.761	74	19258M1	9.025	ug/L	
10) 1,1-Dichloroethene	1.892	96	31880	8.491	ug/L	# 72
11) Carbon disulfide	1.897	76	102049	8.601	ug/L	97
12) Freon-113	1.934	101	33283M1	8.833	ug/L	
13) Iodomethane	1.992	142	7967M1	2.895	ug/L	
14) Acrolein	2.168	56	5466M1	9.592	ug/L	
15) Methylene chloride	2.377	84	38079M1	8.541	ug/L	
17) Acetone	2.433	43	9046	9.823	ug/L	94
18) trans-1,2-Dichloroethene	2.528	96	35167	8.610	ug/L	84
19) Methyl acetate	2.567	43	19690	9.392	ug/L	# 94
20) Methyl tert-butyl ether	2.653	73	94748M1	8.453	ug/L	
21) tert-Butyl alcohol	2.795	59	16023M1	51.715	ug/L	
22) Diisopropyl ether	3.083	45	134214M1	9.021	ug/L	
23) 1,1-Dichloroethane	3.166	63	76248M1	9.009	ug/L	
24) Halothane	3.314	117	27895M1	9.078	ug/L	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A02.D
 Acq On : 23 Sep 2019 6:50
 Operator : VOA108:PD
 Sample : WG1287429-2
 Misc : WG1287429,ICAL16150
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 07:30:26 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190923A\V08190923A02.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.230	53	10998M1	9.693	ug/L	
26) Ethyl tert-butyl ether	3.526	59	128165M1	8.653	ug/L	
27) Vinyl acetate	3.534	43	88577M1	9.842	ug/L	
28) cis-1,2-Dichloroethene	3.858	96	42257M1	9.116	ug/L	
29) 2,2-Dichloropropane	3.995	77	57199M1	8.987	ug/L	
30) Bromochloromethane	4.128	128	19188M1	9.108	ug/L	
31) Cyclohexane	4.103	56	68570M1	9.003	ug/L	
32) Chloroform	4.287	83	70883M1	8.568	ug/L	
33) Ethyl acetate	4.524	43	52330	11.145	ug/L	# 94
34) Carbon tetrachloride	4.410	117	47767	8.209	ug/L	99
35) Tetrahydrofuran	4.477	42	7458	9.145	ug/L	# 67
37) 1,1,1-Trichloroethane	4.508	97	61767M1	8.452	ug/L	
39) 2-Butanone	4.714	43	11835	8.578	ug/L	# 30
40) 1,1-Dichloropropene	4.683	75	51385M1	8.802	ug/L	
41) Benzene	4.990	78	153913M1	8.484	ug/L	
42) tert-Amyl methyl ether	5.213	73	102110	8.331	ug/L	92
44) 1,2-Dichloroethane	5.247	62	56838M1	8.413	ug/L	
47) Methyl cyclohexane	5.665	83	61512M1	8.568	ug/L	
48) Trichloroethene	5.704	95	40705M1	8.320	ug/L	
50) Dibromomethane	6.150	93	23844M1	8.676	ug/L	
51) 1,2-Dichloropropane	6.262	63	43461	9.010	ug/L	94
53) 2-Chloroethyl vinyl ether	7.015	63	25742	8.683	ug/L	94
54) Bromodichloromethane	6.373	83	55583	8.293	ug/L	100
57) 1,4-Dioxane	6.591	88	15326M1	647.895	ug/L	
58) cis-1,3-Dichloropropene	7.029	75	64392	8.512	ug/L	95
61) Toluene	7.254	92	97482	8.939	ug/L	97
62) 4-Methyl-2-pentanone	7.659	58	12532	9.251	ug/L	# 96
63) Tetrachloroethene	7.611	166	40330	8.762	ug/L	92
65) trans-1,3-Dichloropropene	7.678	75	54558	8.690	ug/L	98
67) Ethyl methacrylate	7.865	69	41159	8.979	ug/L	97
68) 1,1,2-Trichloroethane	7.809	83	27915	9.132	ug/L	95
69) Chlorodibromomethane	7.943	129	38607	8.683	ug/L	97
70) 1,3-Dichloropropane	8.019	76	57363	9.074	ug/L	98
71) 1,2-Dibromoethane	8.102	107	31916	8.951	ug/L	99
72) 2-Hexanone	8.342	43	20865	9.016	ug/L	96
73) Chlorobenzene	8.512	112	106812	8.876	ug/L	93
74) Ethylbenzene	8.551	91	185522	8.898	ug/L	98
75) 1,1,1,2-Tetrachloroethane	8.571	131	38002	8.644	ug/L	95
76) p/m Xylene	8.660	106	143885	18.187	ug/L	97
77) o Xylene	8.942	106	139014	18.283	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A02.D
 Acq On : 23 Sep 2019 6:50
 Operator : VOA108:PD
 Sample : WG1287429-2
 Misc : WG1287429,ICAL16150
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 07:30:26 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190923A\V08190923A02.D
 Sub List : 8260-CurvePenta - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	8.981	104	231546	18.345	ug/L	91
80)	Bromoform	8.983	173	23771	8.854	ug/L	95
82)	Isopropylbenzene	9.154	105	183577	9.171	ug/L	97
84)	Bromobenzene	9.374	156	43431	8.925	ug/L	98
85)	n-Propylbenzene	9.410	91	215172	9.297	ug/L	98
86)	1,4-Dichlorobutane	9.416	55	58438	9.571	ug/L	93
87)	1,1,2,2-Tetrachloroethane	9.463	83	38759	9.179	ug/L	100
88)	4-Ethyltoluene	9.480	105	169299	9.201	ug/L	97
89)	2-Chlorotoluene	9.494	91	147040	9.306	ug/L	98
90)	1,3,5-Trimethylbenzene	9.536	105	147021	9.129	ug/L	91
91)	1,2,3-Trichloropropane	9.533	75	31904	9.986	ug/L	99
92)	trans-1,4-Dichloro-2-b...	9.566	53	10333M1	9.465	ug/L	
93)	4-Chlorotoluene	9.597	91	132527	9.288	ug/L	97
94)	tert-Butylbenzene	9.720	119	150417	9.319	ug/L	93
95)	Pentachloroethane	9.731	167	27209	9.043	ug/L	93
97)	1,2,4-Trimethylbenzene	9.761	105	144892	9.063	ug/L	94
98)	sec-Butylbenzene	9.826	105	176375	9.260	ug/L	100
99)	p-Isopropyltoluene	9.912	119	156572	9.211	ug/L	97
100)	1,3-Dichlorobenzene	9.943	146	81544	9.057	ug/L	99
101)	1,4-Dichlorobenzene	9.996	146	82174	8.873	ug/L	99
102)	p-Diethylbenzene	10.121	119	87067	8.966	ug/L	96
103)	n-Butylbenzene	10.155	91	144334	9.233	ug/L	98
104)	1,2-Dichlorobenzene	10.236	146	76326	8.932	ug/L	97
105)	1,2,4,5-Tetramethylben...	10.579	119	126580	8.586	ug/L	98
106)	1,2-Dibromo-3-chloropr...	10.690	155	5549	9.216	ug/L	93
107)	1,3,5-Trichlorobenzene	10.707	180	54380	8.589	ug/L	95
108)	Hexachlorobutadiene	11.053	225	24111	8.640	ug/L	95
109)	1,2,4-Trichlorobenzene	11.067	180	49947	8.280	ug/L	99
110)	Naphthalene	11.248	128	107421	8.312	ug/L	100
111)	1,2,3-Trichlorobenzene	11.348	180	45397	8.280	ug/L	99

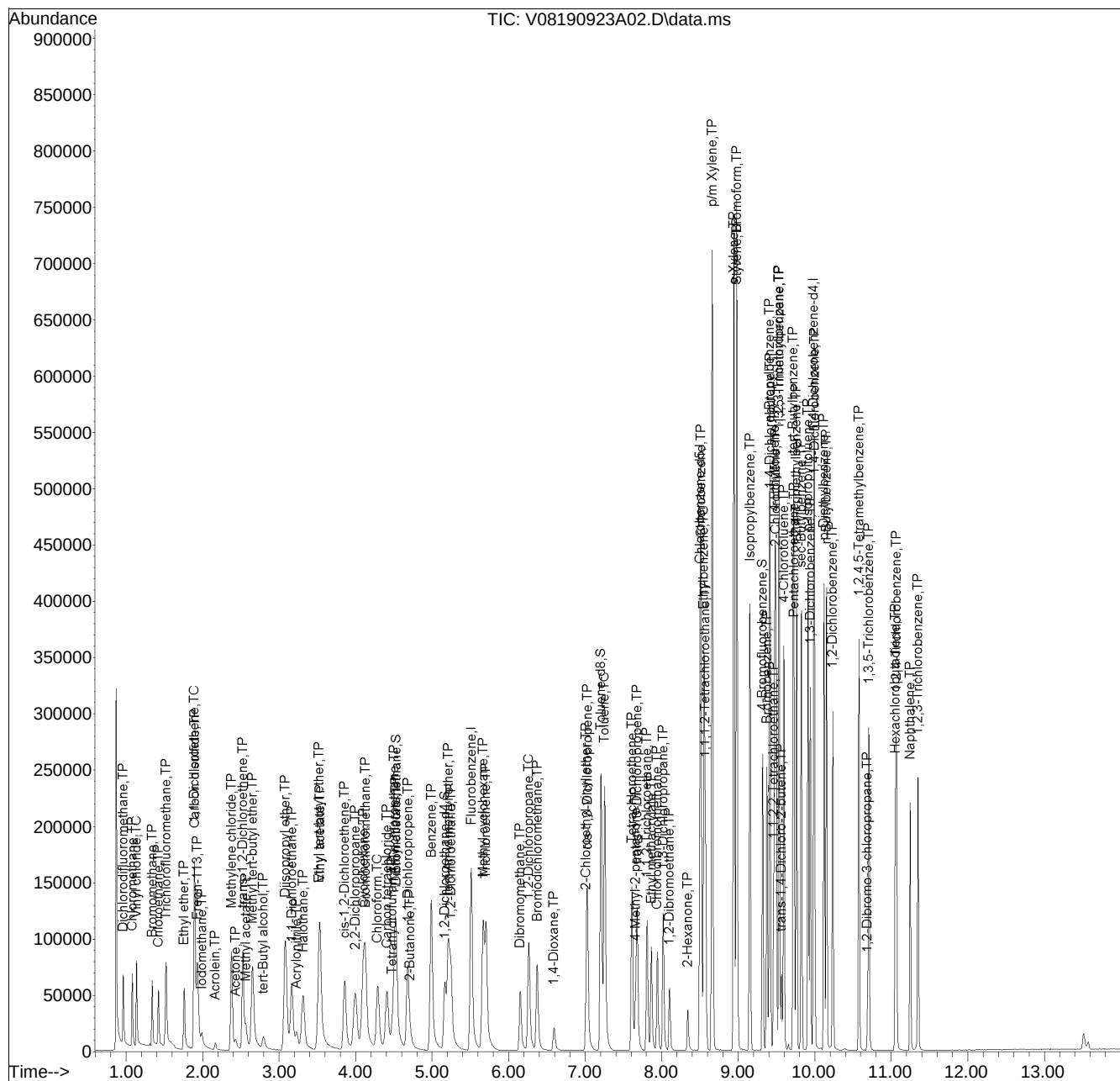
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

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Data Path   : I:\VOLATILES\VOA108\2019\190923A\
Data File  : V08190923A02.D
Acq On     : 23 Sep 2019    6:50
Operator   : VOA108:PD
Sample     : WG1287429-2
Misc       : WG1287429,ICAL16150
ALS Vial   : 2      Sample Multiplier: 1
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Quant Time: Sep 23 07:30:26 2019
Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 20 10:28:56 2019
Response via : Initial Calibration

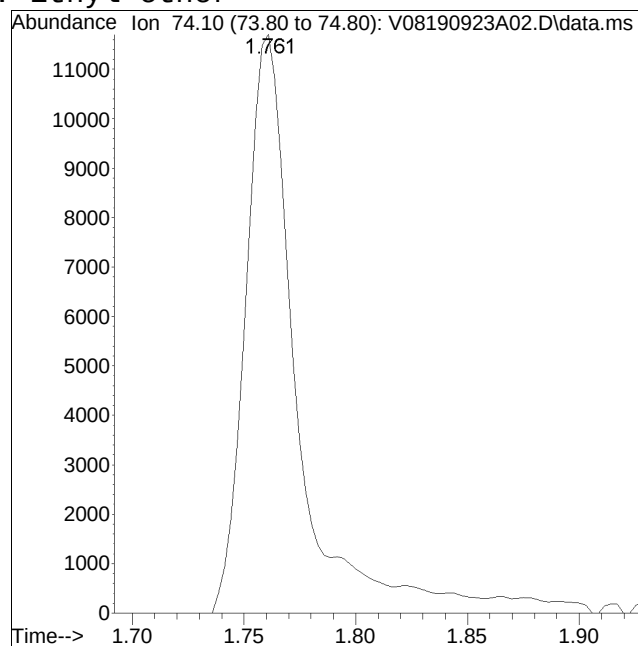
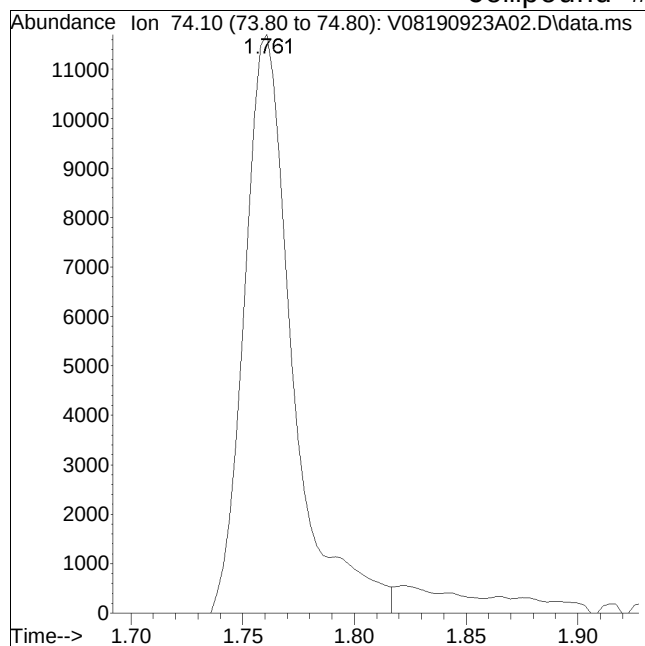
Sub List : 8260-CurvePenta - All compounds listed08190923A02.D•



Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\1QMethod : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #8: Ethyl ether



Original Peak Response = 17516

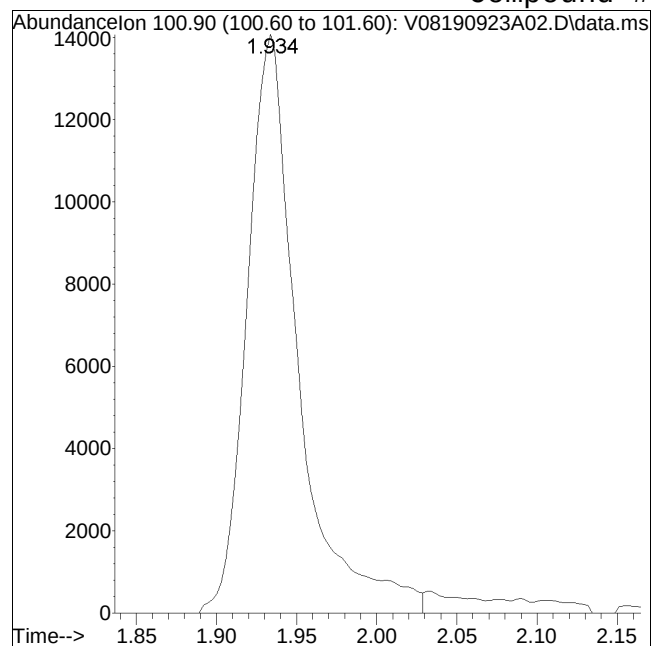
Manual Peak Response = 19258 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

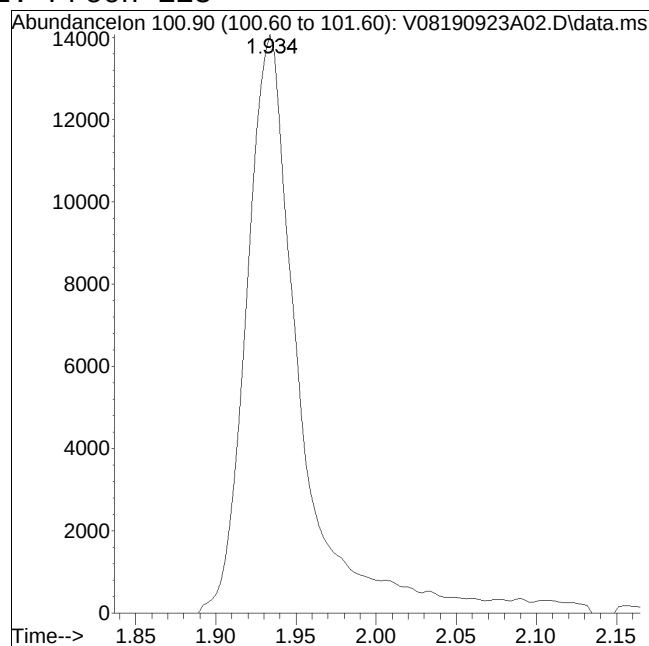
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #12: Freon-113



Original Peak Response = 31257

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

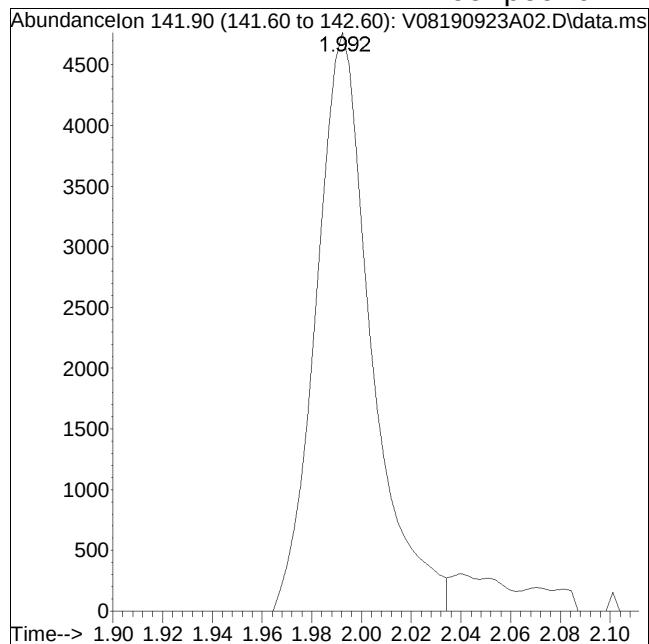


Manual Peak Response = 33283 M1

Manual Integration Report

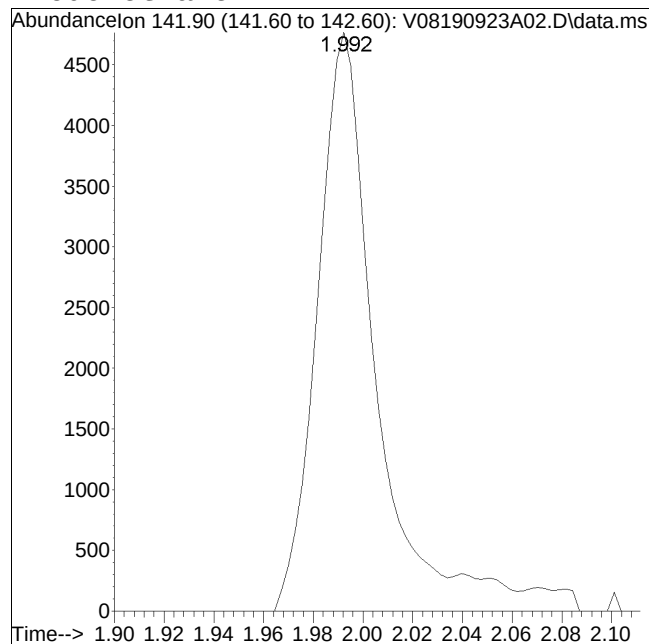
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Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #13: Iodomethane



Original Peak Response = 7308

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

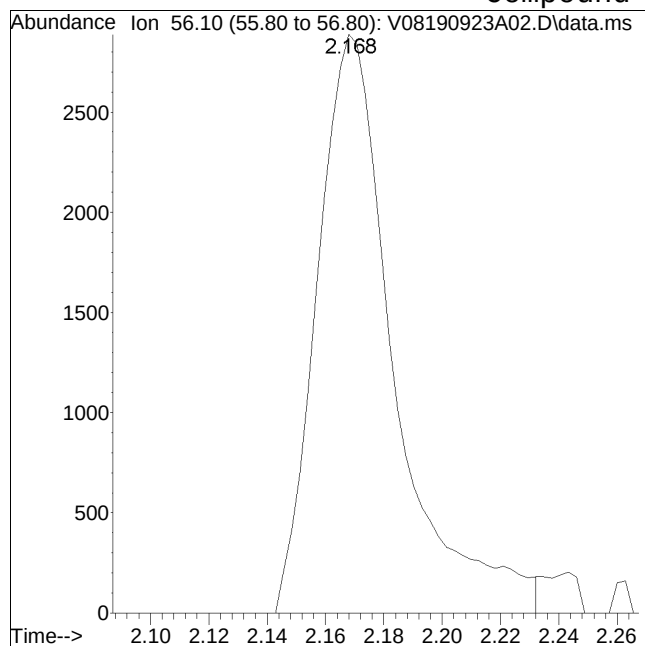


Manual Peak Response = 7967 M1

Manual Integration Report

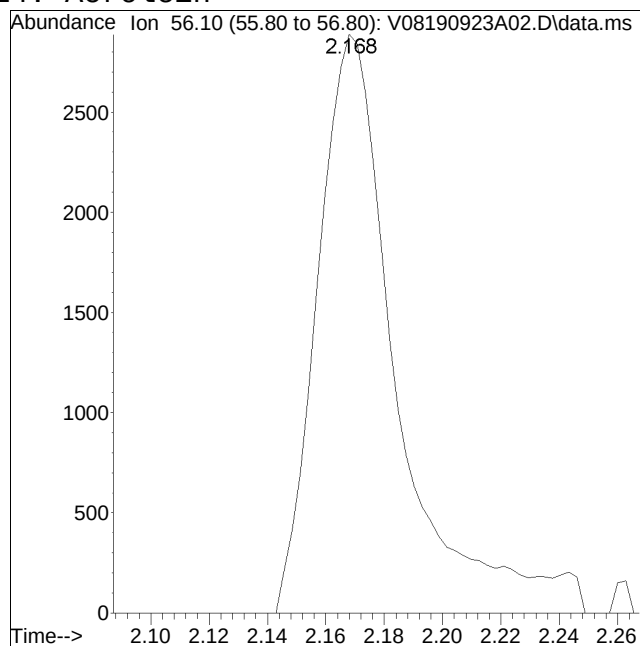
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Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #14: Acrolein



Original Peak Response = 5311

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

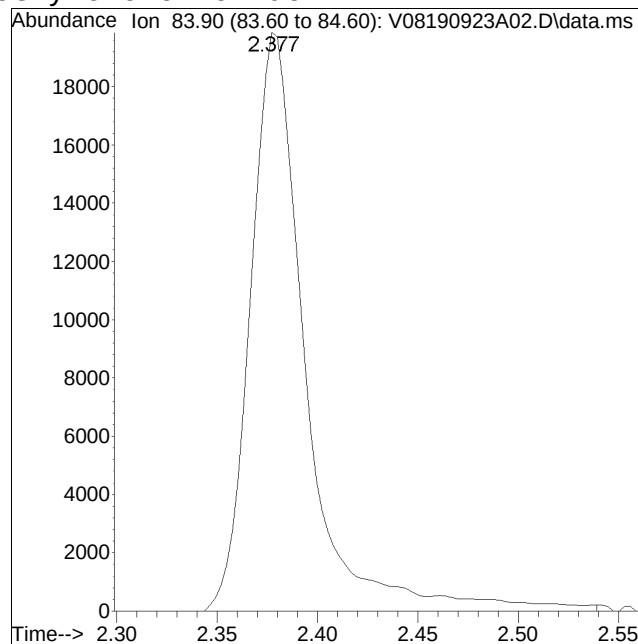
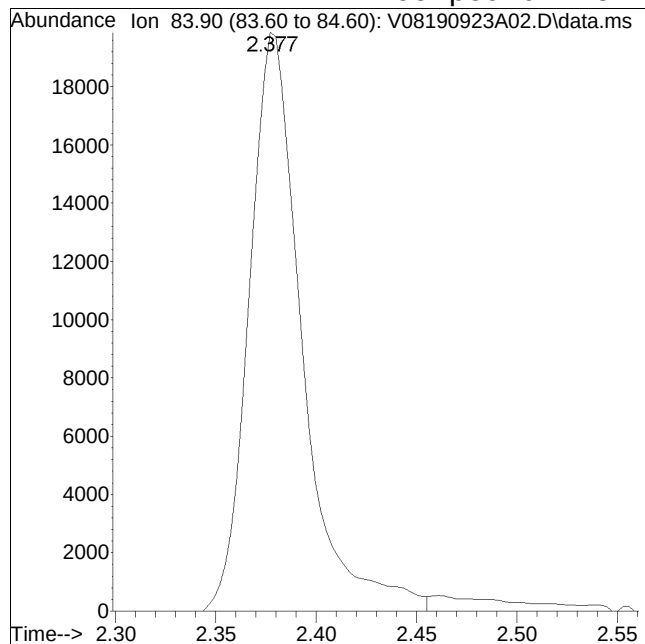


Manual Peak Response = 5466 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #15: Methylene chloride



Original Peak Response = 36434

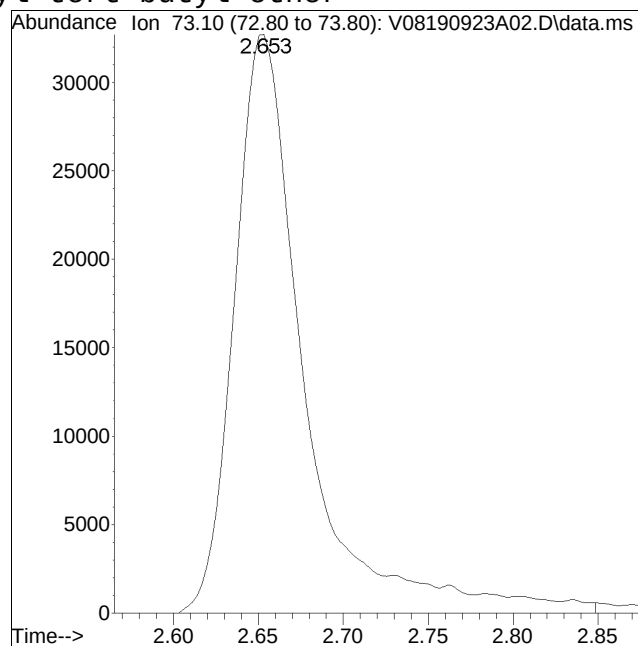
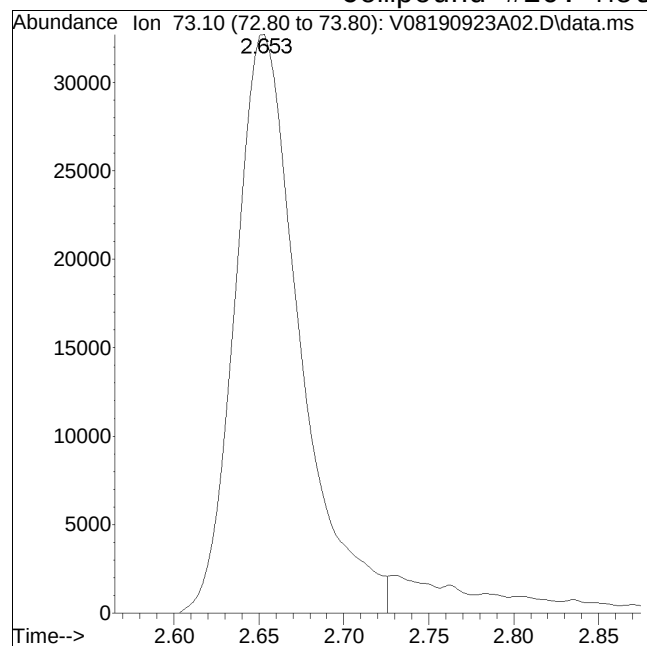
Manual Peak Response = 38079 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #20: Methyl tert-butyl ether



Original Peak Response = 86345

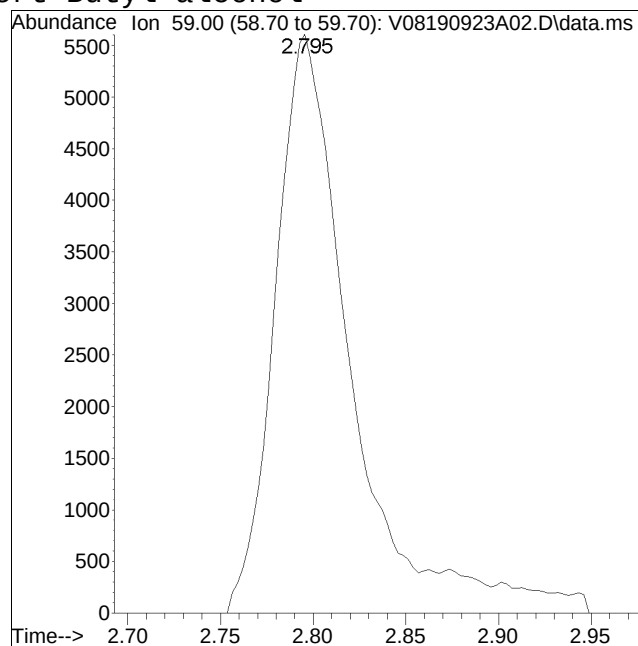
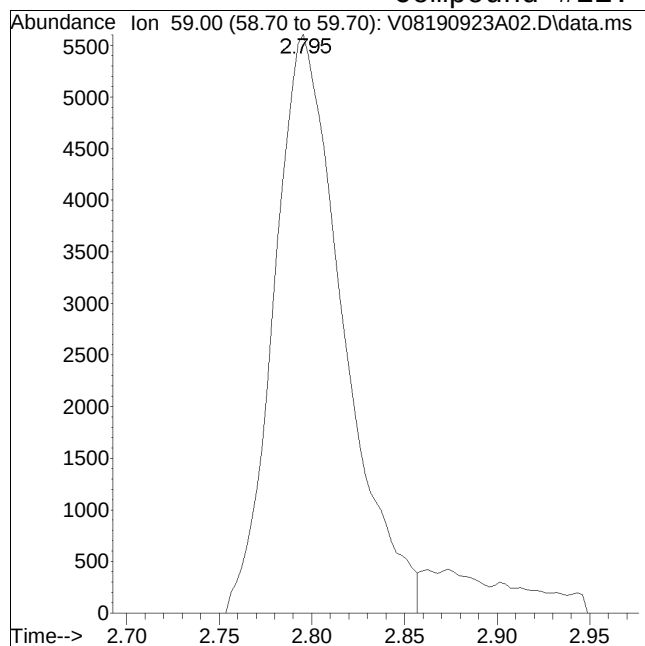
Manual Peak Response = 94748 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #21: tert-Butyl alcohol



Original Peak Response = 14509

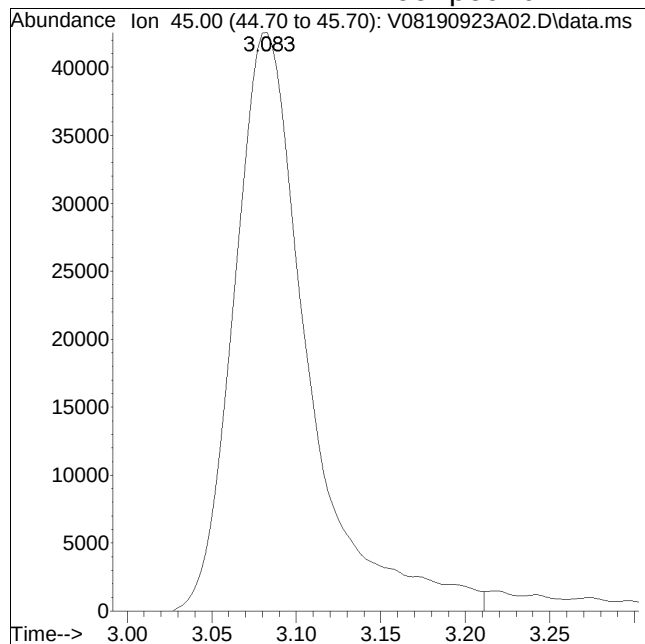
Manual Peak Response = 16023 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

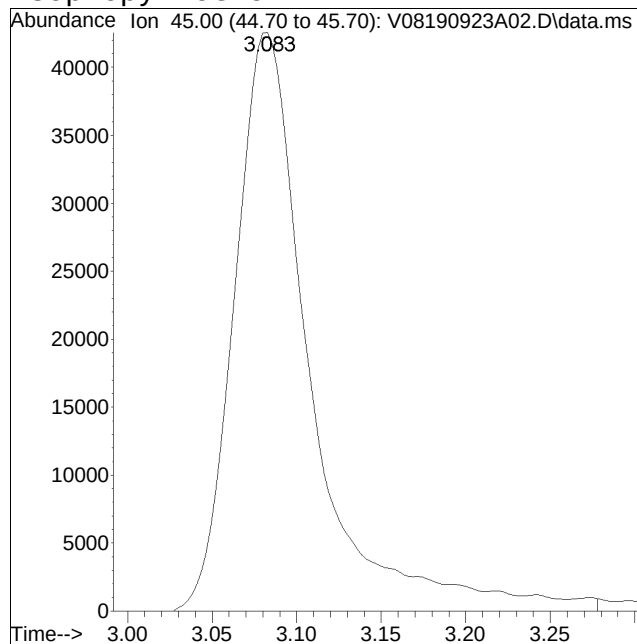
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #22: Diisopropyl ether



Original Peak Response = 129798

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

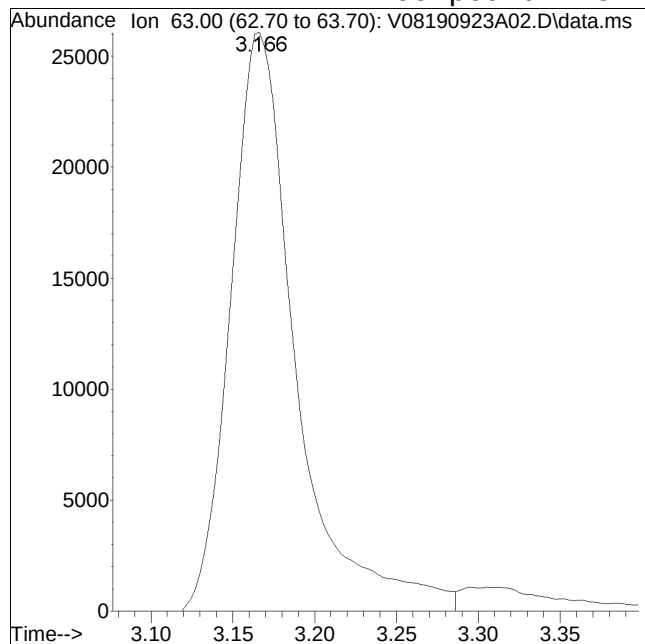


Manual Peak Response = 134214 M1

Manual Integration Report

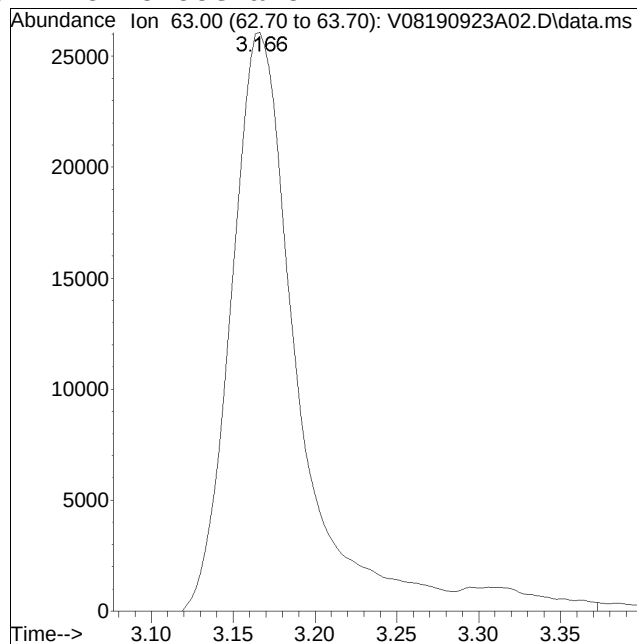
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #23: 1,1-Dichloroethane



Original Peak Response = 72255

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

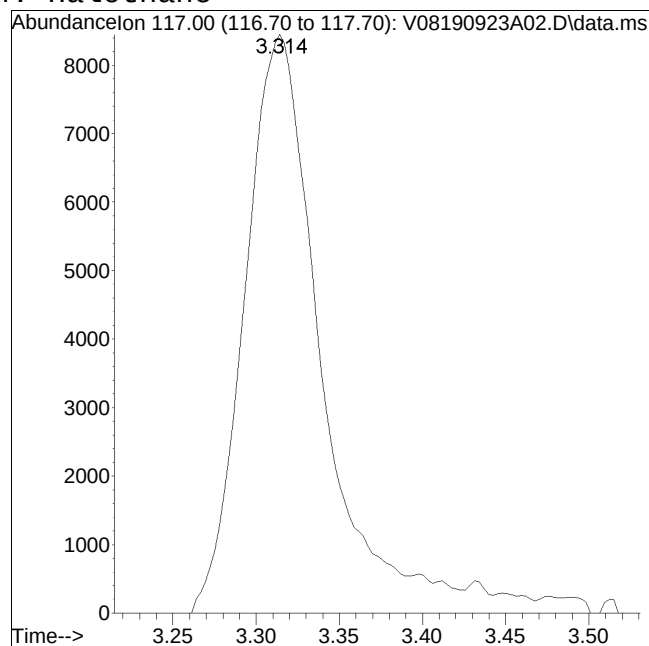
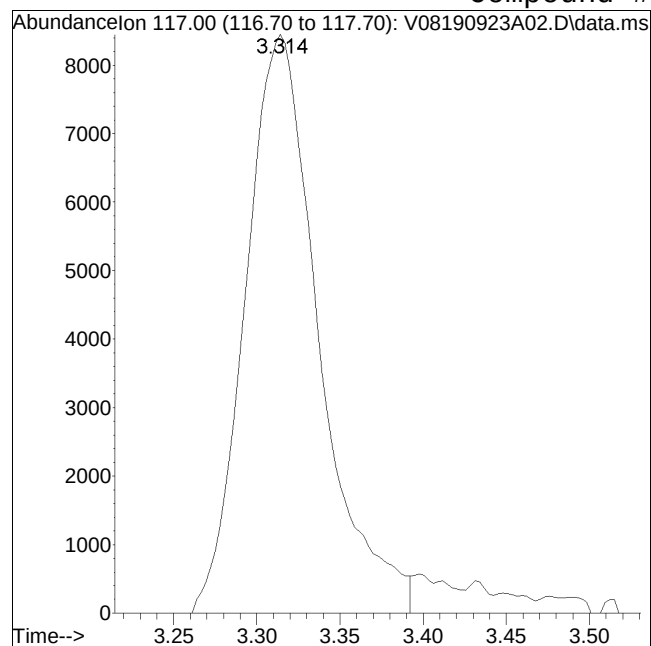


Manual Peak Response = 76248 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #24: Halothane



Original Peak Response = 25848

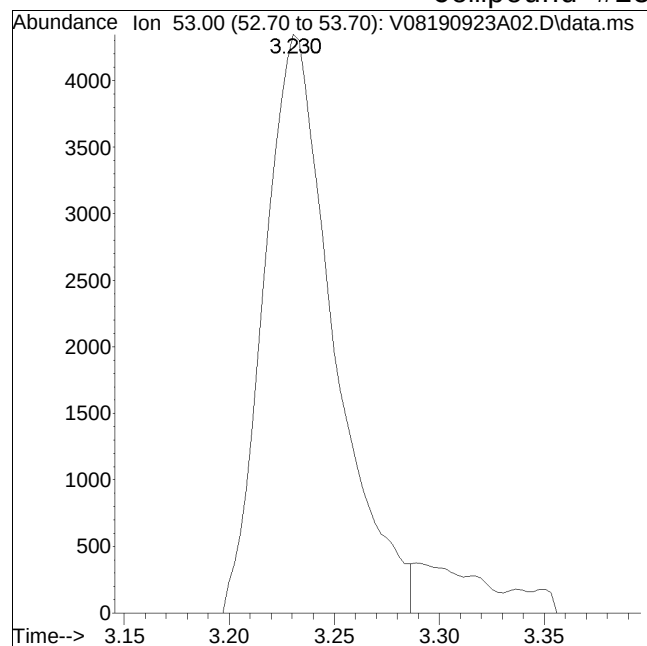
Manual Peak Response = 27895 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

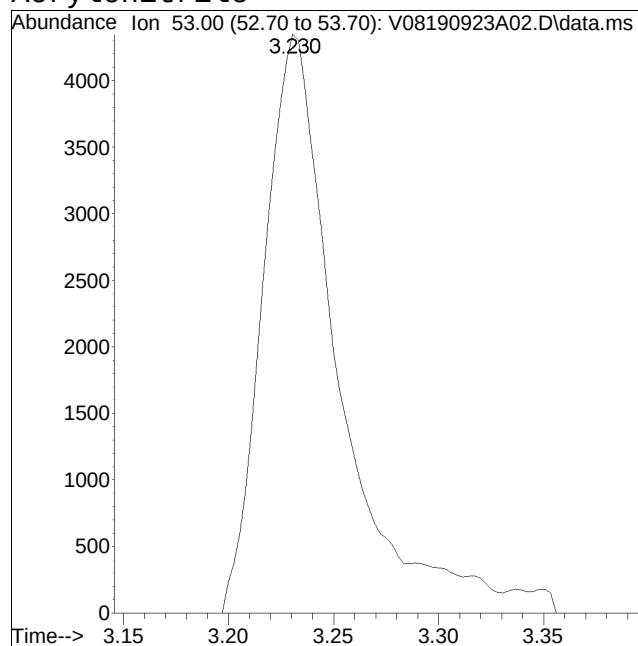
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #25: Acrylonitrile



Original Peak Response = 10016

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

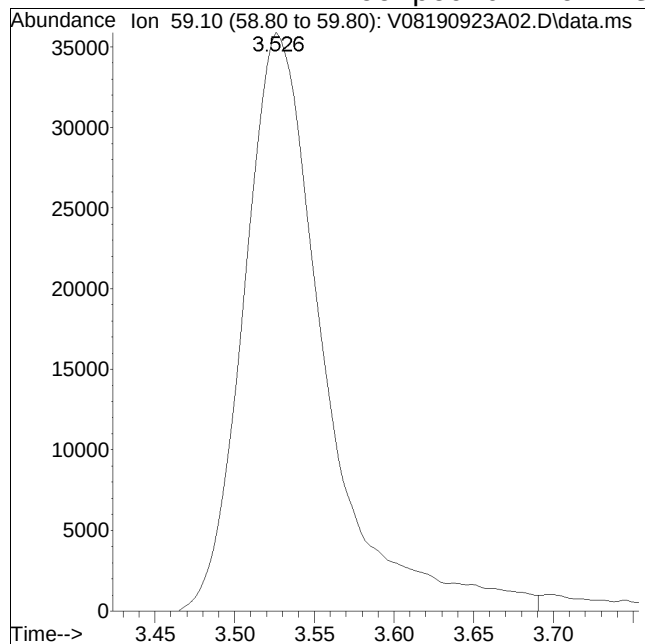


Manual Peak Response = 10998 M1

Manual Integration Report

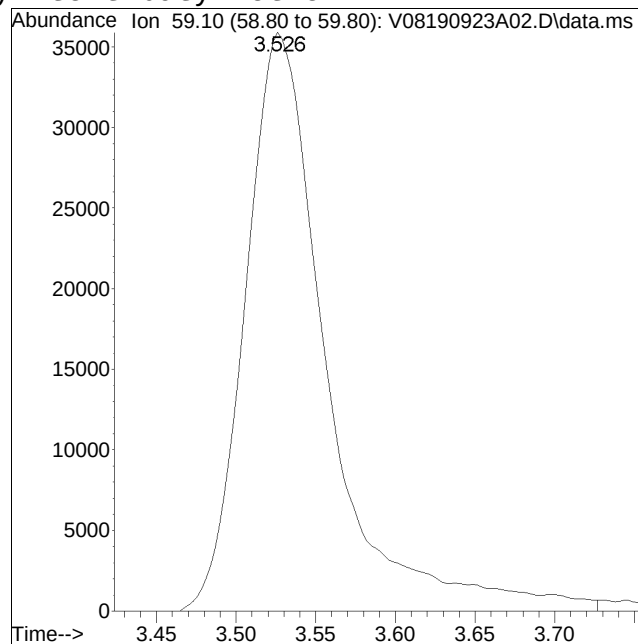
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 126322

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

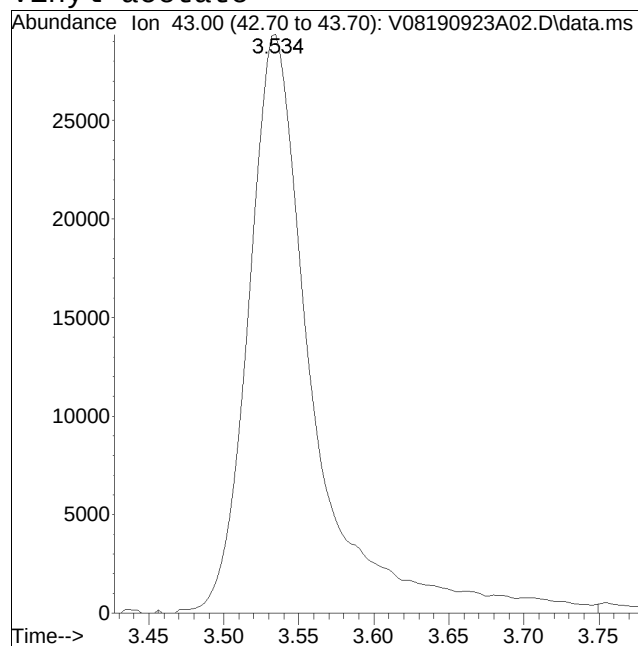
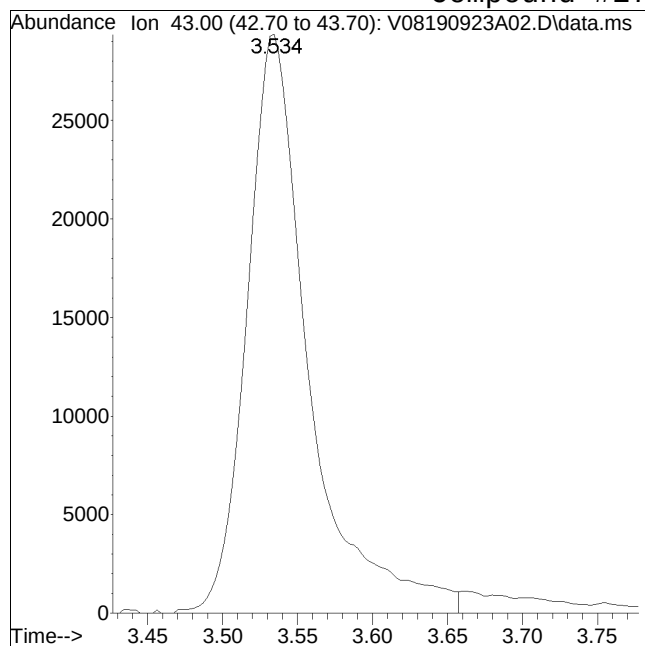


Manual Peak Response = 128165 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #27: Vinyl acetate



Original Peak Response = 84532

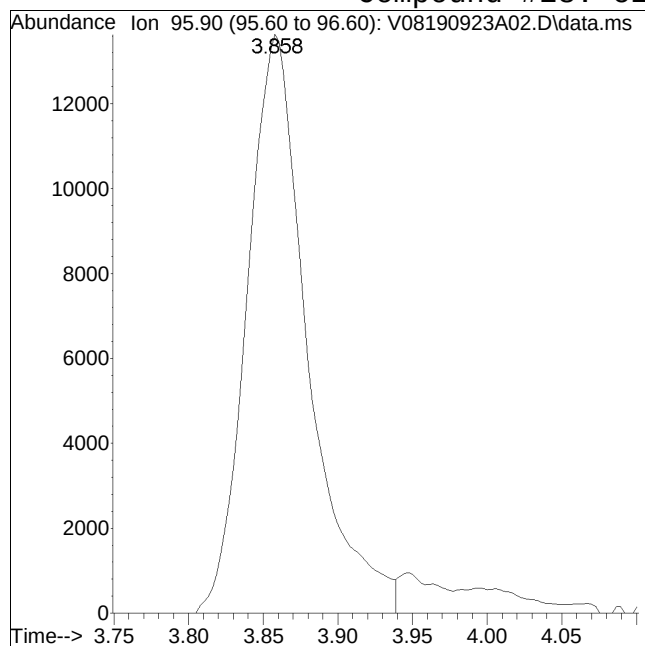
Manual Peak Response = 88577 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

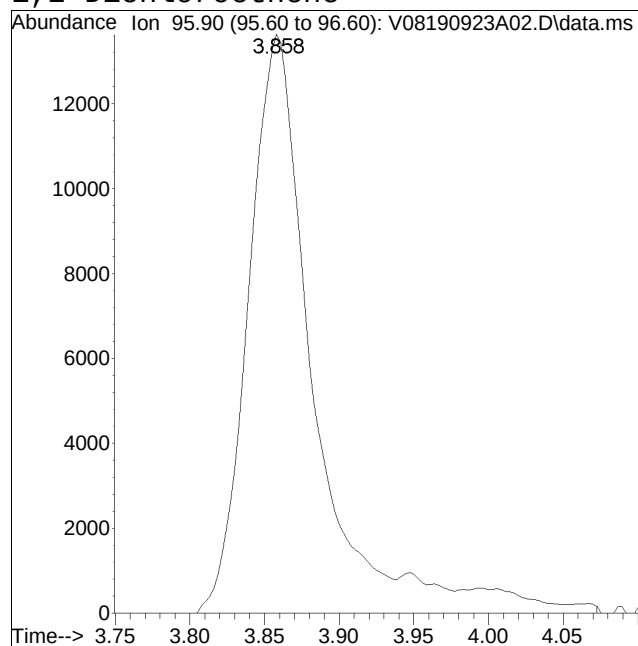
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 38441

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

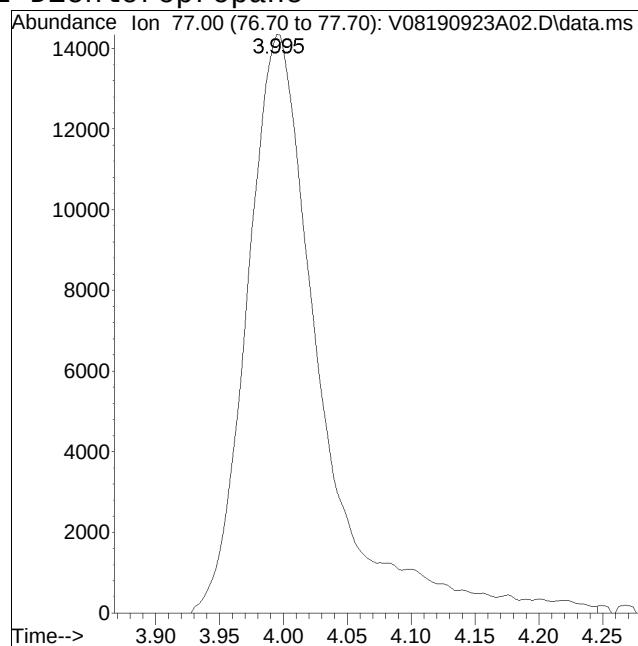
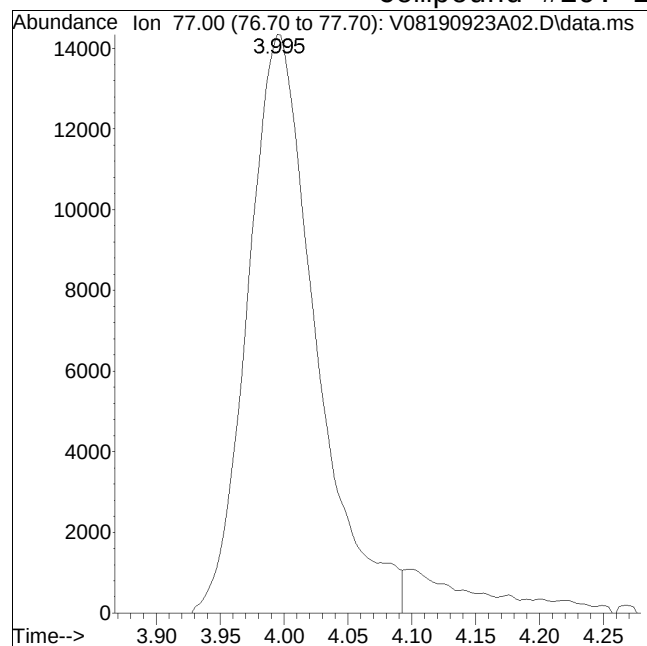


Manual Peak Response = 42257 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #29: 2,2-Dichloropropane



Original Peak Response = 52658

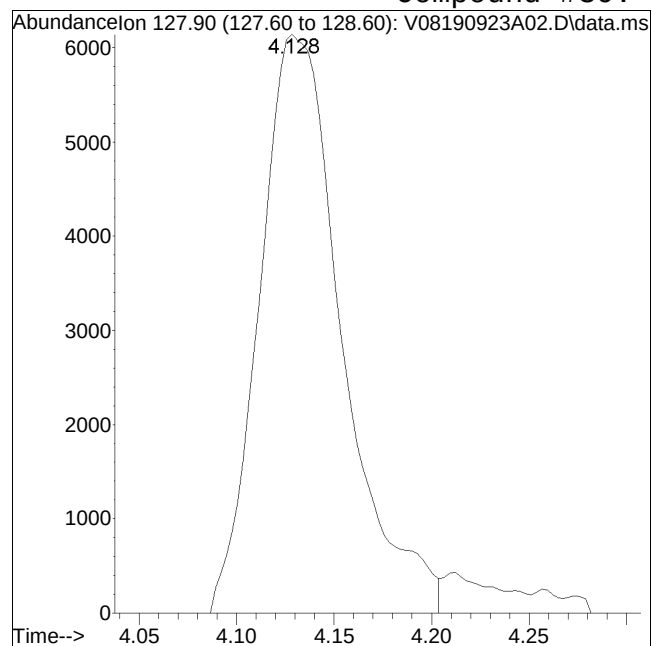
Manual Peak Response = 57199 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

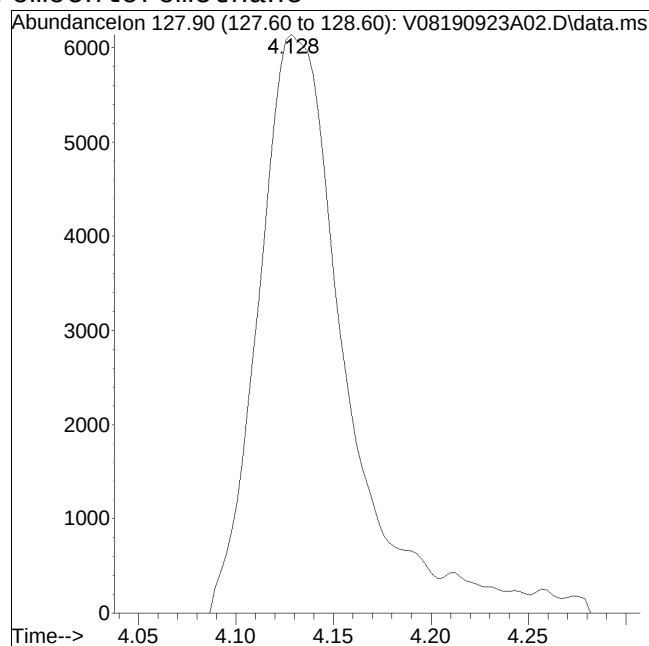
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #30: Bromochloromethane



Original Peak Response = 18029

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

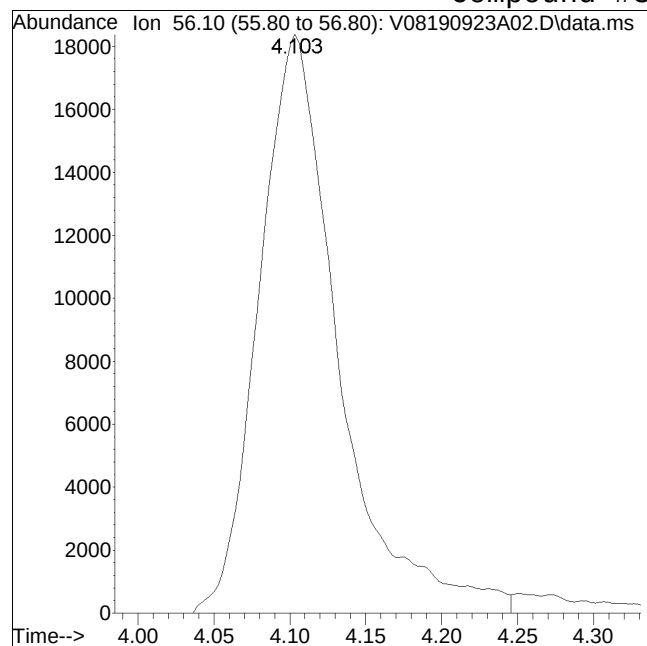


Manual Peak Response = 19188 M1

Manual Integration Report

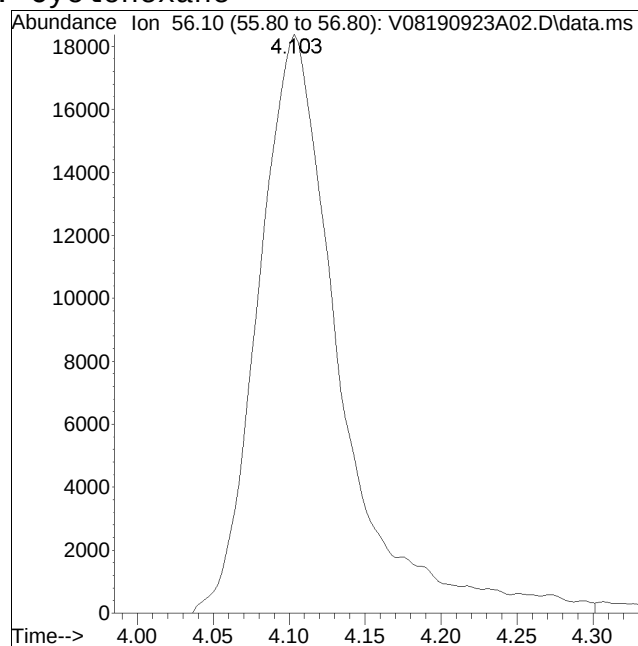
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #31: Cyclohexane



Original Peak Response = 66932

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

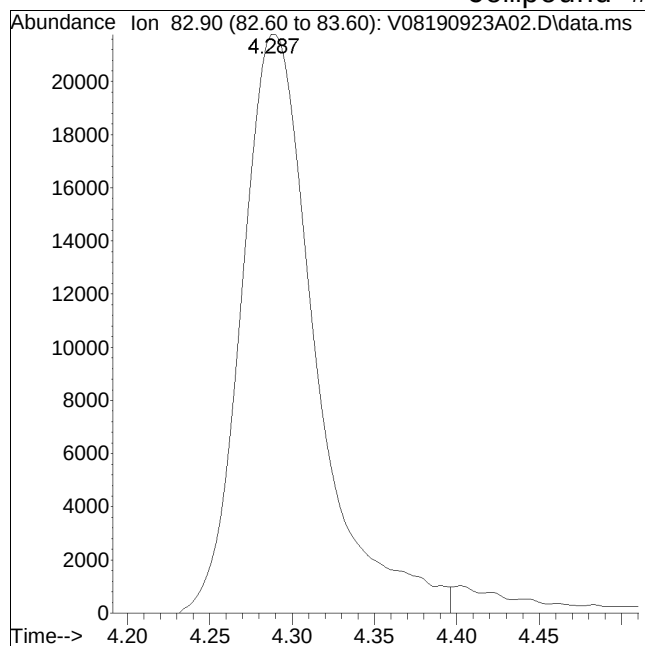


Manual Peak Response = 68570 M1

Manual Integration Report

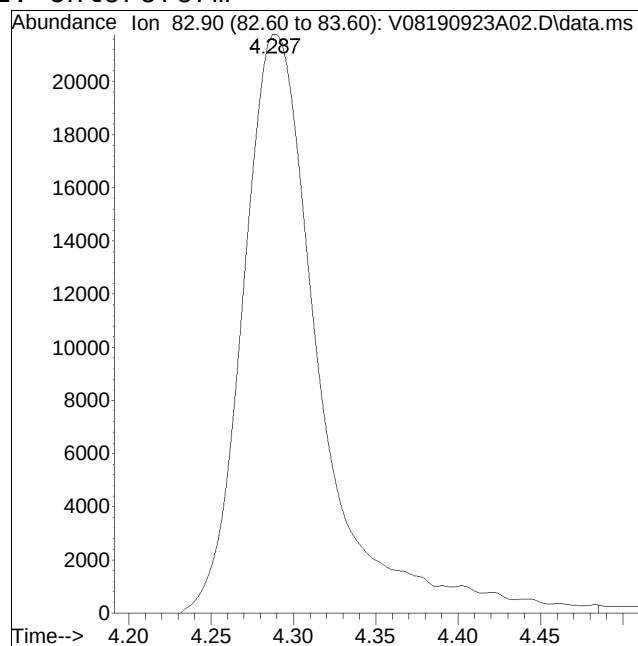
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #32: Chloroform



Original Peak Response = 67954

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

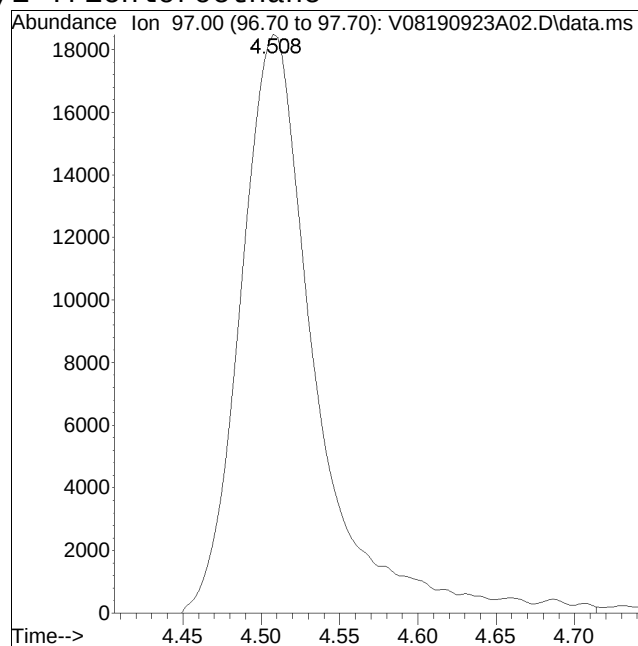
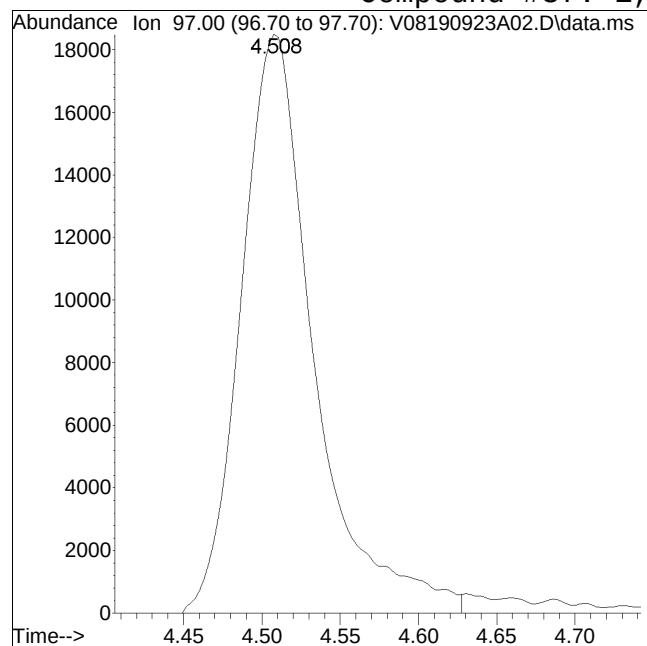


Manual Peak Response = 70883 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #37: 1,1,1-Trichloroethane



Original Peak Response = 59696

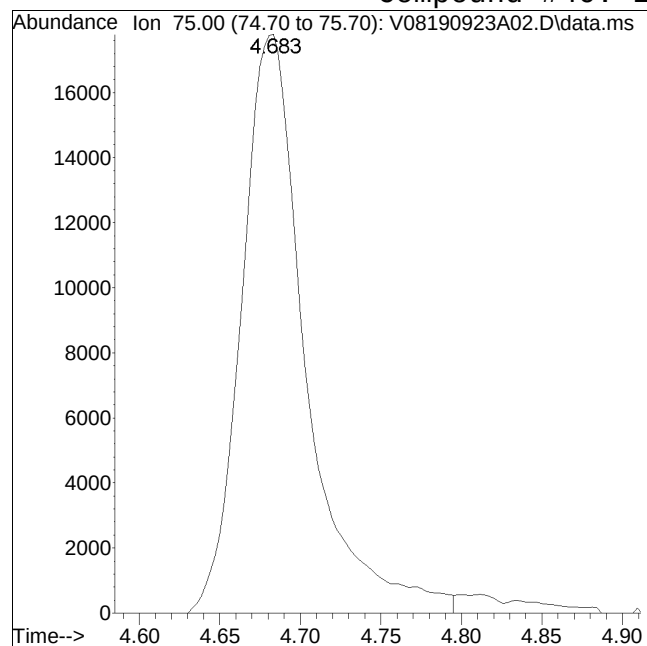
Manual Peak Response = 61767 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

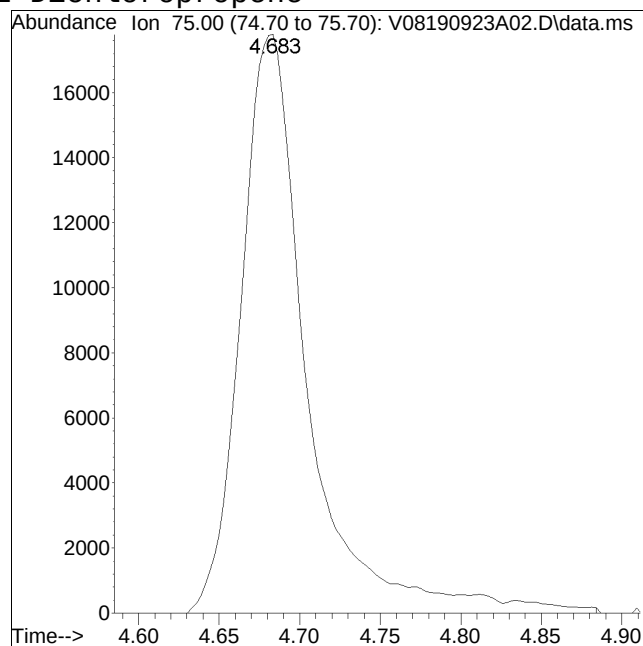
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #40: 1,1-Dichloropropene



Original Peak Response = 49527

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

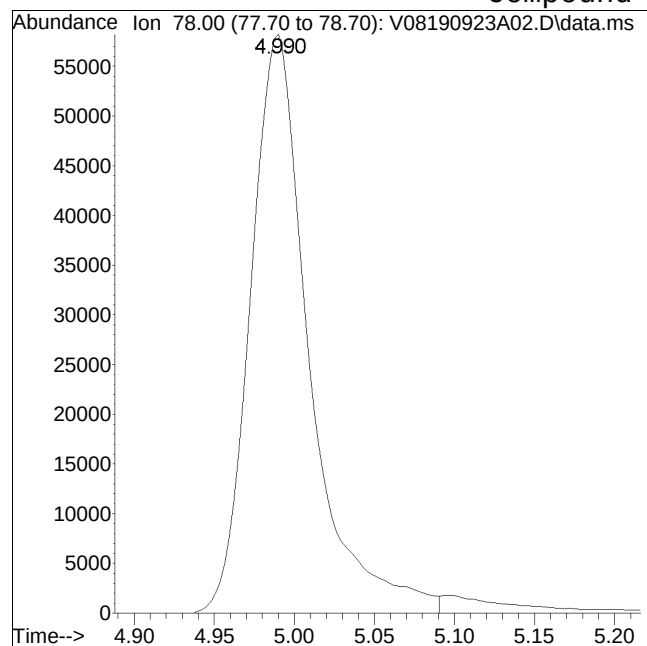


Manual Peak Response = 51385 M1

Manual Integration Report

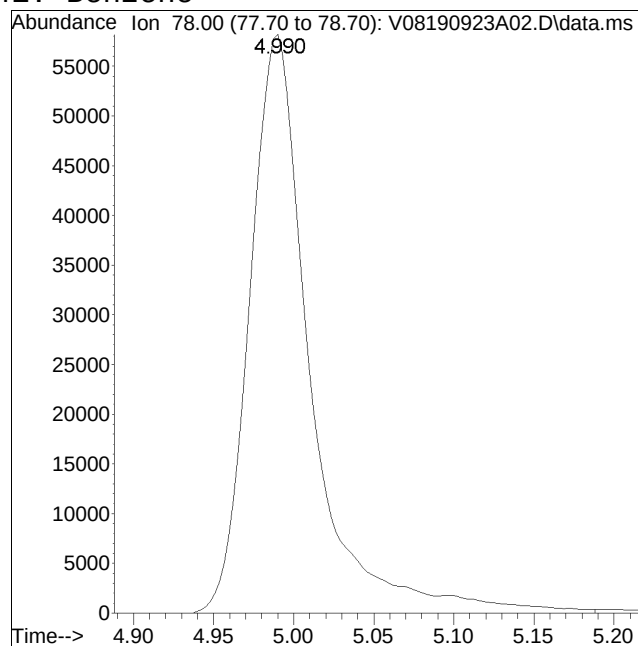
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #41: Benzene



Original Peak Response = 148633

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

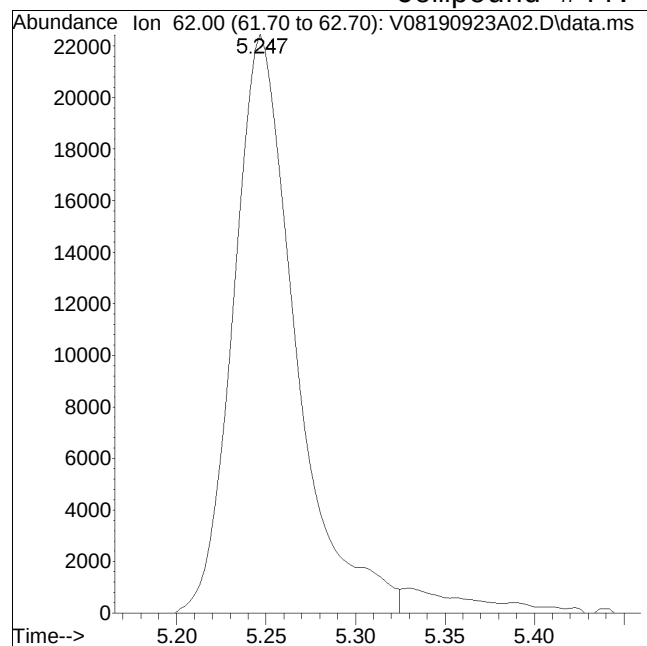


Manual Peak Response = 153913 M1

Manual Integration Report

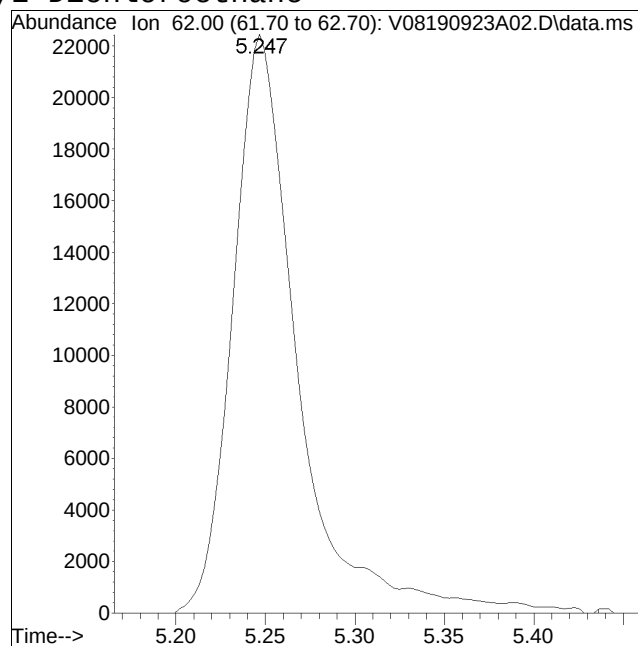
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #44: 1,2-Dichloroethane



Original Peak Response = 53971

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

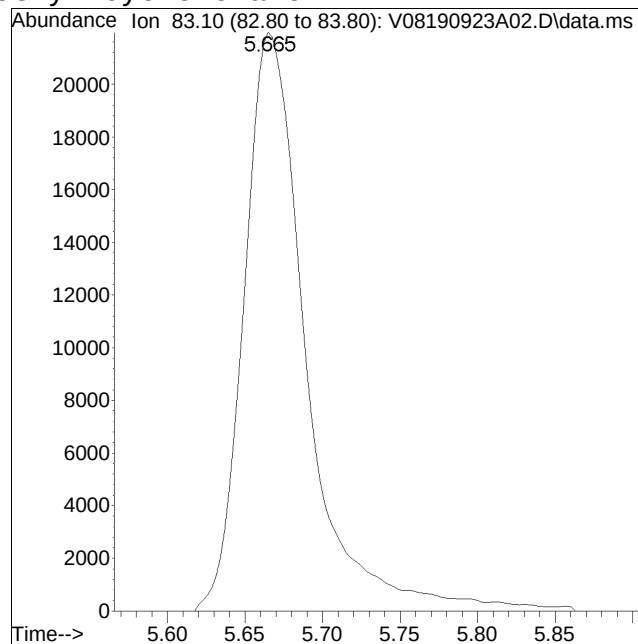
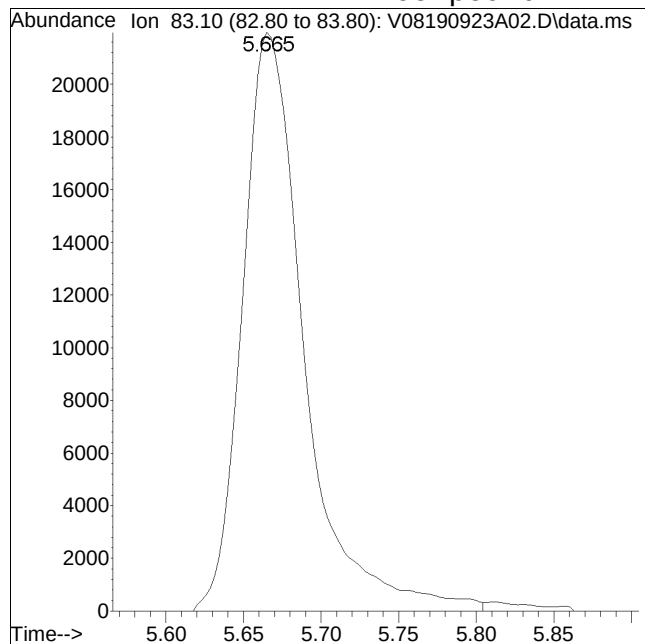


Manual Peak Response = 56838 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #47: Methyl cyclohexane



Original Peak Response = 60731

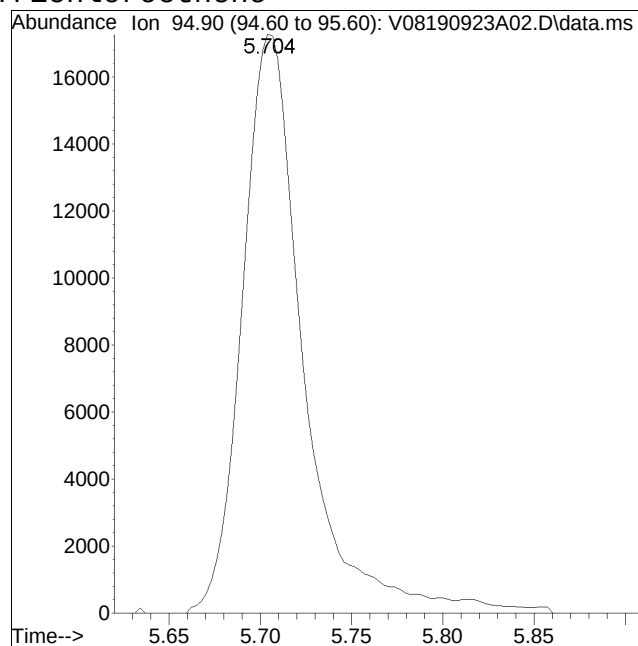
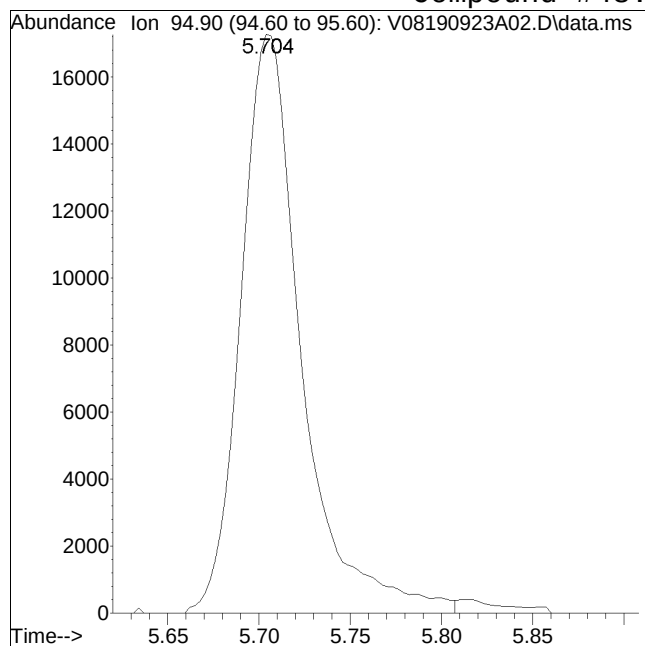
Manual Peak Response = 61512 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #48: Trichloroethene



Original Peak Response = 39949

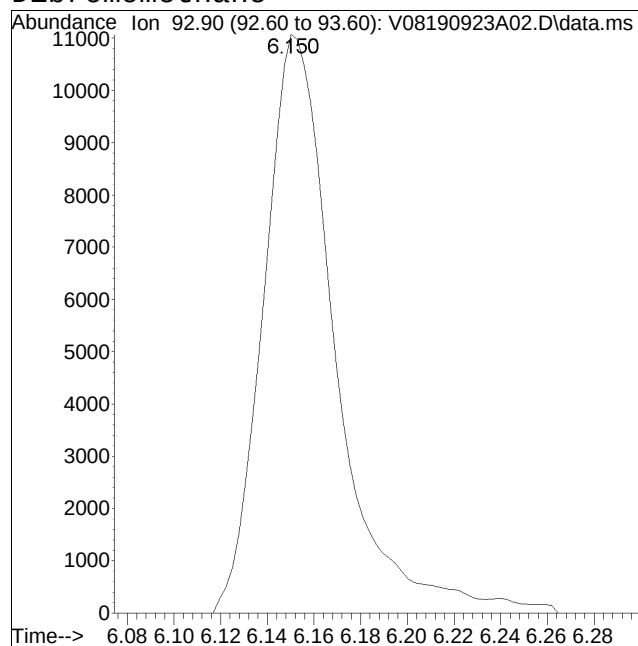
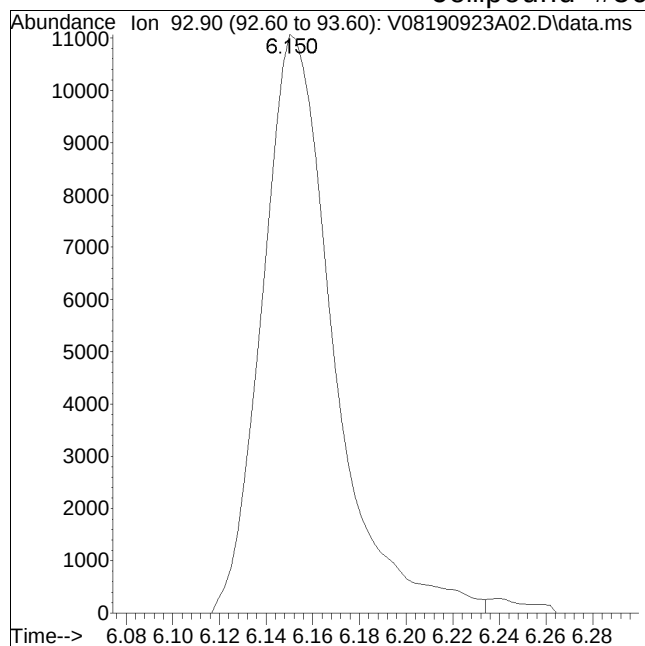
Manual Peak Response = 40705 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #50: Dibromomethane



Original Peak Response = 23506

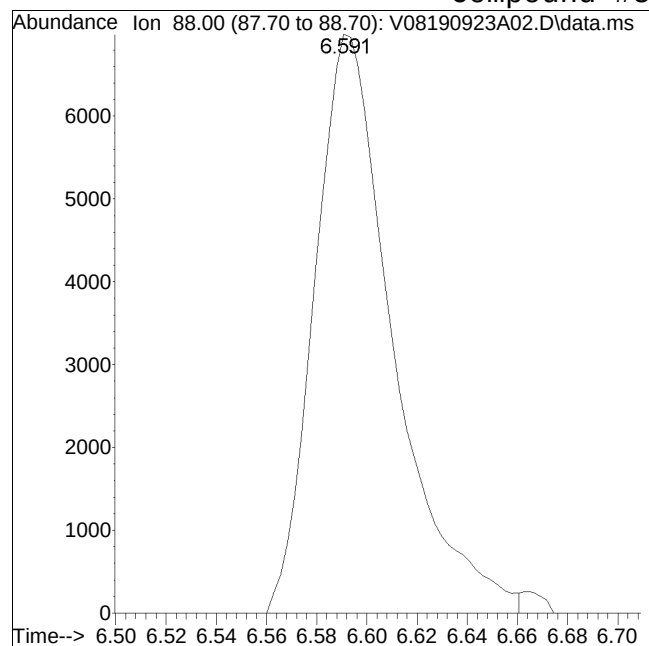
Manual Peak Response = 23844 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

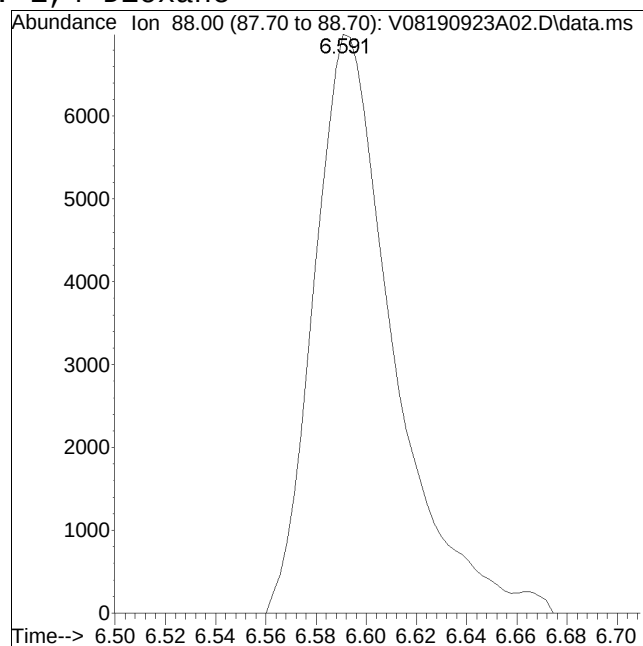
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #57: 1,4-Dioxane



Original Peak Response = 15177

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

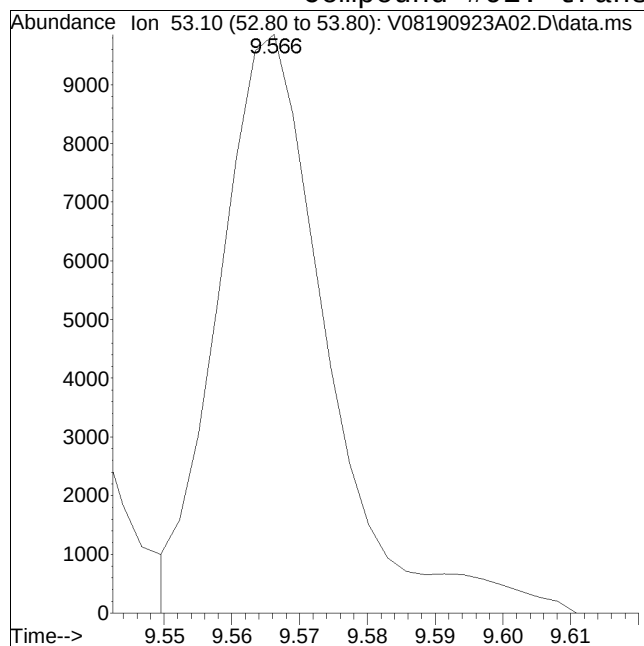


Manual Peak Response = 15326 M1

Manual Integration Report

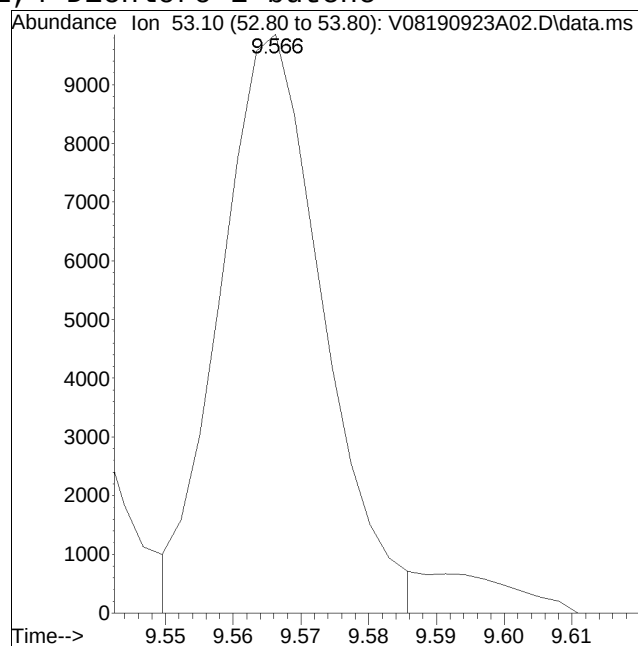
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-2 Quant Date : 9/23/2019 7:27 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 10986

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



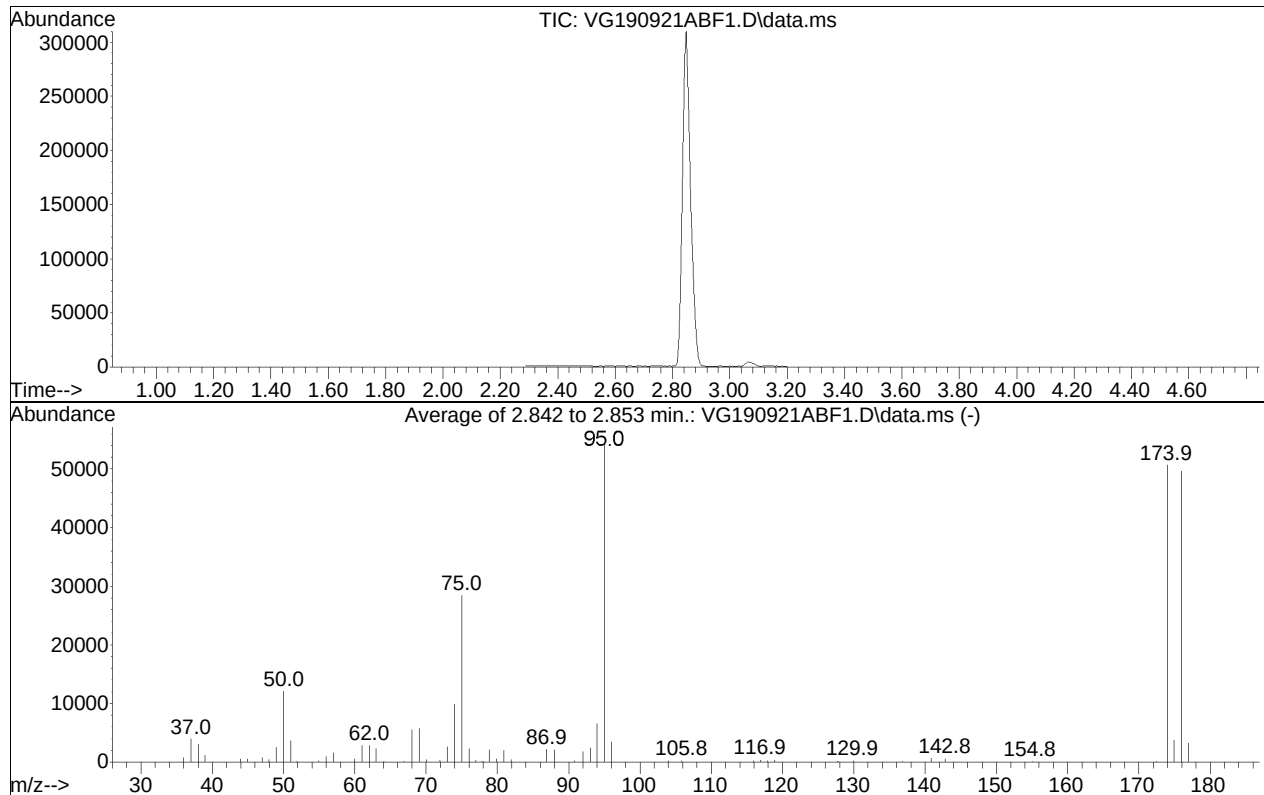
Manual Peak Response = 10333 M1

BFB

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
Data File : VG190921ABF1.D
Acq On : 21 Sep 2019 7:54
Operator : GONZO:PD
Sample : WG1287487-1
Misc : WG1287487,ICAL16127
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Sep 13 12:14:31 2019



AutoFind: Scans 107, 108, 109; Background Corrected with Scan 99

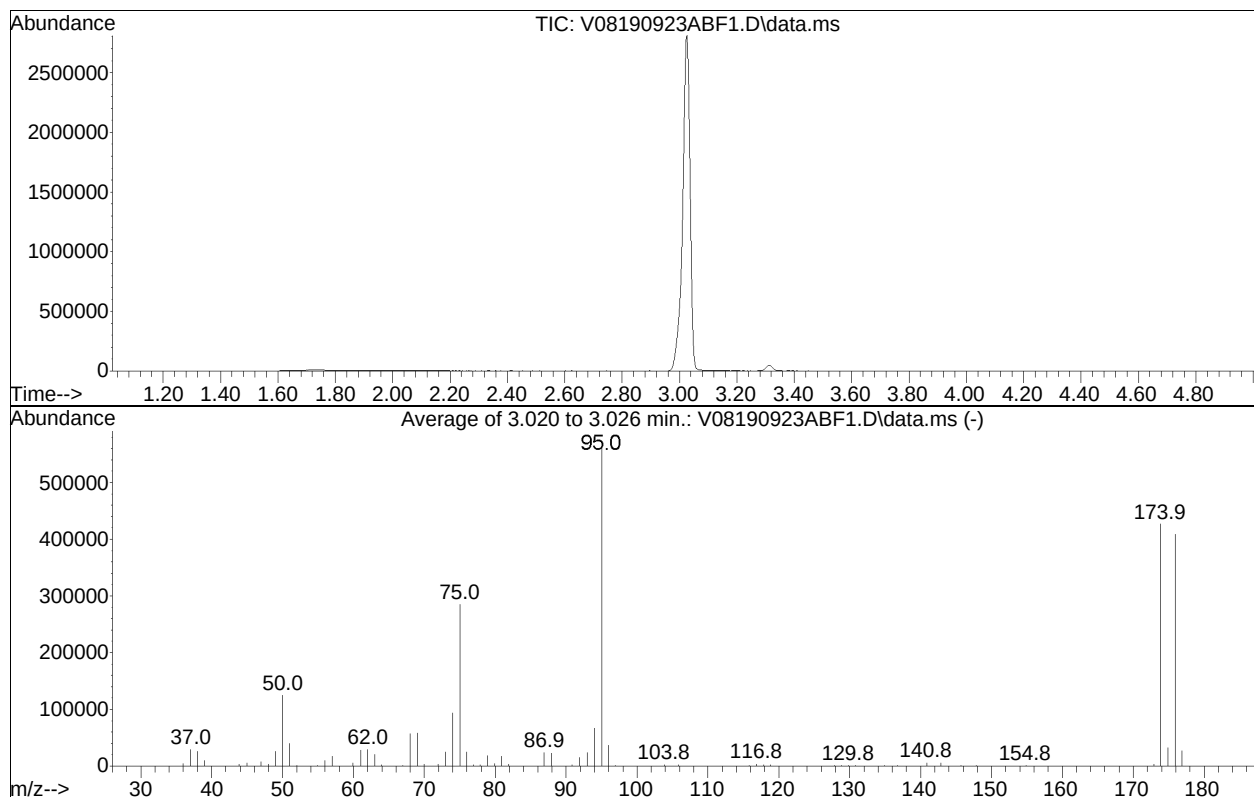
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.2	12124	PASS
75	95	30	60	52.2	28419	PASS
95	95	100	100	100.0	54491	PASS
96	95	5	9	6.4	3465	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	93.0	50701	PASS
175	174	5	9	7.5	3817	PASS
176	174	95	101	97.9	49629	PASS
177	176	5	9	6.6	3255	PASS

BFB

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923ABF1.D
 Acq On : 23 Sep 2019 6:13
 Operator : VOA108:PD
 Sample : WG1287429-1
 Misc : WG1287429,ICAL16150
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Fri Sep 20 10:28:56 2019



AutoFind: Scans 508, 509, 510; Background Corrected with Scan 485

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.2	124800	PASS
75	95	30	60	50.6	285205	PASS
95	95	100	100	100.0	563328	PASS
96	95	5	9	6.6	37080	PASS
173	174	0.00	2	1.0	4197	PASS
174	95	50	100	75.9	427349	PASS
175	174	5	9	7.7	32760	PASS
176	174	95	101	95.7	409109	PASS
177	176	5	9	6.7	27235	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A06.D
 Acq On : 21 Sep 2019 10:15
 Operator : GONZO:PD
 Sample : WG1287487-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG1287487,ICAL16127 (Sig #1); WG,ICAL16127 (Sig #2)
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 21 10:44:02 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190921A\VG190921A03.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.486	96	302163	10.000	ug/L	0.00
Standard Area 1 = 315591			Recovery	=	95.75%	
59) Chlorobenzene-d5	10.068	117	234773	10.000	ug/L	0.00
Standard Area 1 = 245301			Recovery	=	95.71%	
79) 1,4-Dichlorobenzene-d4	12.664	152	130578	10.000	ug/L	0.00
Standard Area 1 = 143167			Recovery	=	91.21%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.665	113	70855	9.772	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.72%	
43) 1,2-Dichloroethane-d4	6.203	65	74322	10.986	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	109.86%	
60) Toluene-d8	8.198	98	279865	9.375	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	93.75%	
83) 4-Bromofluorobenzene	11.489	95	97972	9.404	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	94.04%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0		N.D.	
3) Chloromethane	0.000		0		N.D.	
4) Vinyl chloride	0.000		0		N.D.	
5) Bromomethane	2.506	94	187		N.D.	
6) Chloroethane	0.000		0		N.D.	
7) Trichlorofluoromethane	0.000		0		N.D.	
8) Ethyl ether	0.000		0		N.D.	
10) 1,1-Dichloroethene	0.000		0		N.D.	
11) Carbon disulfide	3.347	76	1102		N.D.	
15) Methylene chloride	3.904	84	354		N.D.	
17) Acetone	0.000		0		N.D.	d
18) trans-1,2-Dichloroethene	0.000		0		N.D.	
20) Methyl tert-butyl ether	0.000		0		N.D.	
23) 1,1-Dichloroethane	0.000		0		N.D.	
25) Acrylonitrile	0.000		0		N.D.	
27) Vinyl acetate	0.000		0		N.D.	
28) cis-1,2-Dichloroethene	5.205	96	93		N.D.	
29) 2,2-Dichloropropane	0.000		0		N.D.	
30) Bromochloromethane	0.000		0		N.D.	
32) Chloroform	5.479	83	1011	0.092	ug/L	# 87

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A06.D
 Acq On : 21 Sep 2019 10:15
 Operator : GONZO:PD
 Sample : WG1287487-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG1287487,ICAL16127 (Sig #1); WG,ICAL16127 (Sig #2)
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 21 10:44:02 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190921A\VG190921A03.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34)	Carbon tetrachloride	0.000		0		N.D.	
37)	1,1,1-Trichloroethane	0.000		0		N.D.	
39)	2-Butanone	5.655	43	92		N.D.	
40)	1,1-Dichloropropene	0.000		0		N.D.	
41)	Benzene	0.000		0		N.D.	
44)	1,2-Dichloroethane	0.000		0		N.D.	d
48)	Trichloroethene	0.000		0		N.D.	d
50)	Dibromomethane	0.000		0		N.D.	
51)	1,2-Dichloropropane	0.000		0		N.D.	
54)	Bromodichloromethane	0.000		0		N.D.	
57)	1,4-Dioxane	0.000		0		N.D.	
58)	cis-1,3-Dichloropropene	0.000		0		N.D.	
61)	Toluene	0.000		0		N.D.	
62)	4-Methyl-2-pentanone	0.000		0		N.D.	
63)	Tetrachloroethene	0.000		0		N.D.	
65)	trans-1,3-Dichloropropene	8.756	75	123		N.D.	
68)	1,1,2-Trichloroethane	0.000		0		N.D.	
69)	Chlorodibromomethane	0.000		0		N.D.	
70)	1,3-Dichloropropane	0.000		0		N.D.	
71)	1,2-Dibromoethane	0.000		0		N.D.	
72)	2-Hexanone	0.000		0		N.D.	
73)	Chlorobenzene	10.088	112	622		N.D.	
74)	Ethylbenzene	10.137	91	180		N.D.	
75)	1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76)	p/m Xylene	10.303	106	95		N.D.	
77)	o Xylene	0.000		0		N.D.	
78)	Styrene	10.891	104	364		N.D.	
80)	Bromoform	0.000		0		N.D.	
82)	Isopropylbenzene	0.000		0		N.D.	
84)	Bromobenzene	0.000		0		N.D.	
85)	n-Propylbenzene	11.636	91	578		N.D.	
87)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88)	4-Ethyltoluene	11.753	105	280		N.D.	
89)	2-Chlorotoluene	11.802	91	253		N.D.	
90)	1,3,5-Trimethylbenzene	11.851	105	401		N.D.	
91)	1,2,3-Trichloropropane	0.000		0		N.D.	
92)	trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93)	4-Chlorotoluene	11.988	91	475		N.D.	
94)	tert-Butylbenzene	12.174	119	262		N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A06.D
 Acq On : 21 Sep 2019 10:15
 Operator : GONZO:PD
 Sample : WG1287487-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG1287487,ICAL16127 (Sig #1); WG,ICAL16127 (Sig #2)
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 21 10:44:02 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190921A\VG190921A03.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	12.253	105	603		N.D.	
98)	sec-Butylbenzene	12.370	105	833		N.D.	
99)	p-Isopropyltoluene	12.517	119	799		N.D.	
100)	1,3-Dichlorobenzene	12.586	146	697		N.D.	
101)	1,4-Dichlorobenzene	12.674	146	941		N.D.	
102)	p-Diethylbenzene	12.880	119	462		N.D.	
103)	n-Butylbenzene	12.939	91	1339		N.D.	
104)	1,2-Dichlorobenzene	13.095	146	512		N.D.	
105)	1,2,4,5-Tetramethylben...	13.654	119	1217		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108)	Hexachlorobutadiene	14.447	225	970	0.171	ug/L	96
109)	1,2,4-Trichlorobenzene	14.486	180	1834	0.173	ug/L #	86
110)	Naphthalene	14.780	128	3363	0.228	ug/L	100
111)	1,2,3-Trichlorobenzene	14.947	180	1971	0.236	ug/L	98

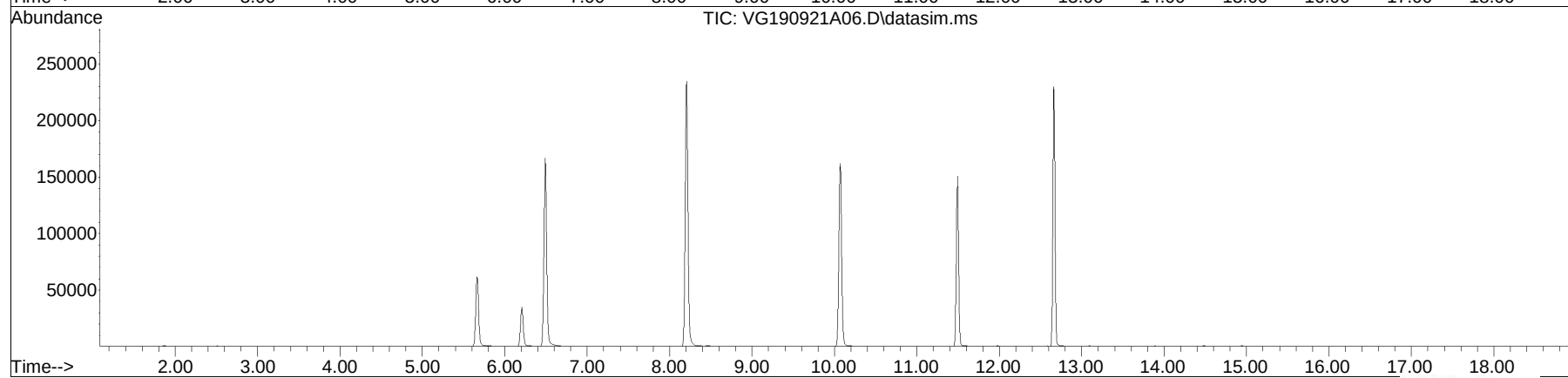
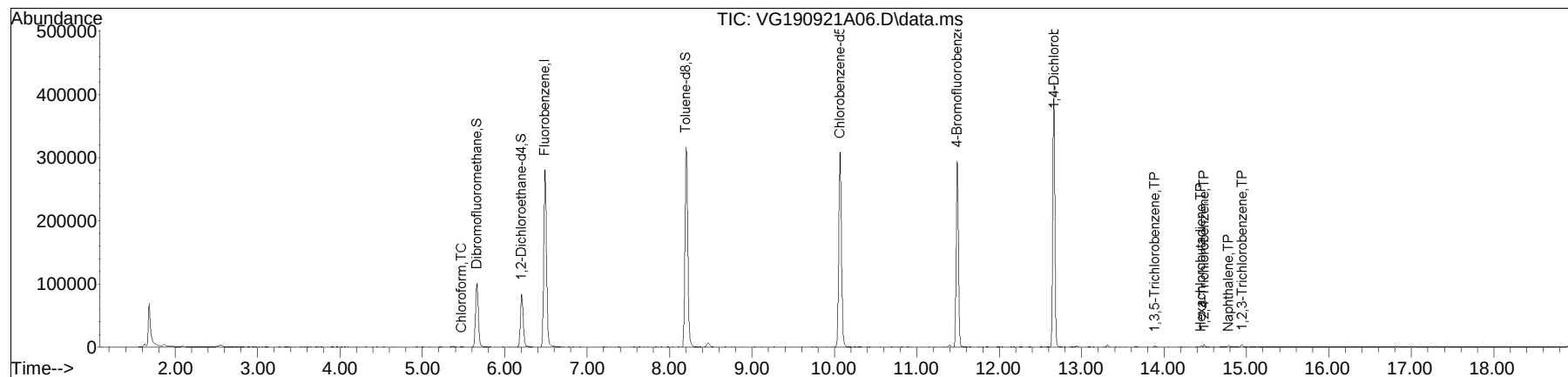
(#) = qualifier out of range (m) = manual integration (+) = signals summed

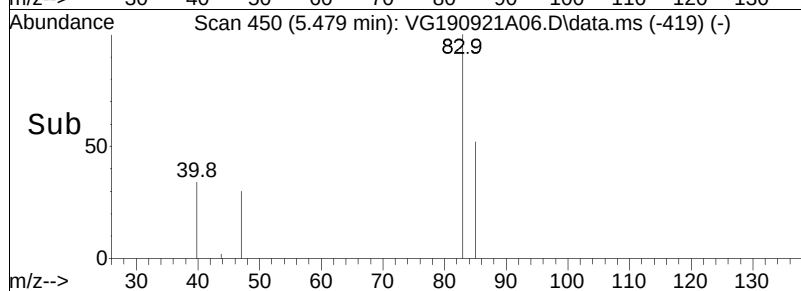
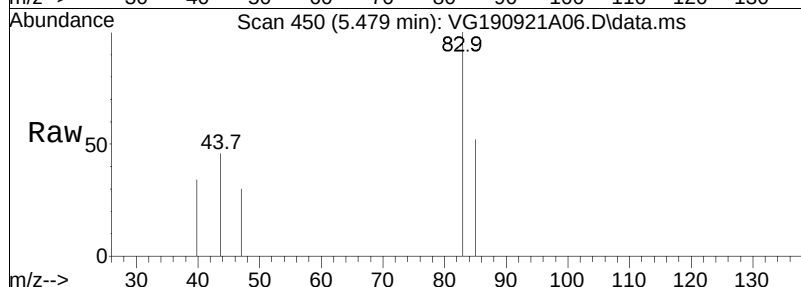
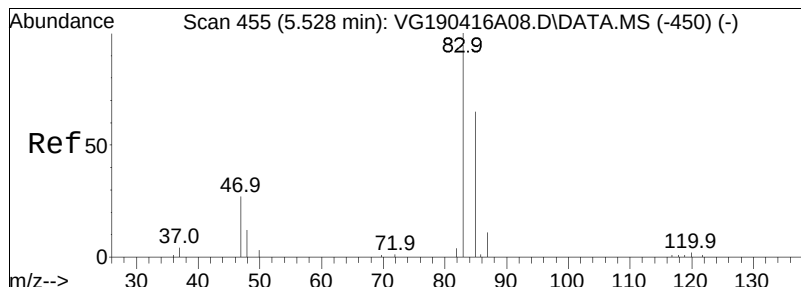
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A06.D
 Acq On : 21 Sep 2019 10:15
 Operator : GONZO:PD
 Sample : WG1287487-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG1287487,ICAL16127 (Sig #1); WG,ICAL16127 (Sig #2)
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 21 10:44:02 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

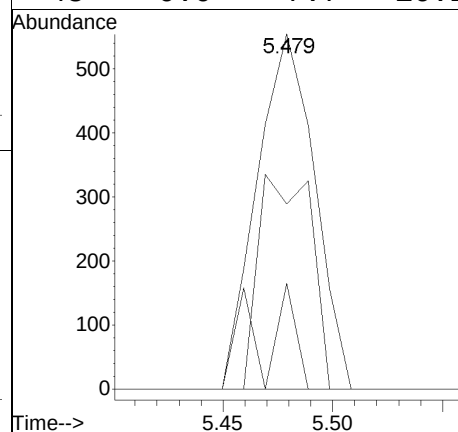
Sub List : 8260-Curve - Megamix plus Diox0921A\VG190921A03.D•

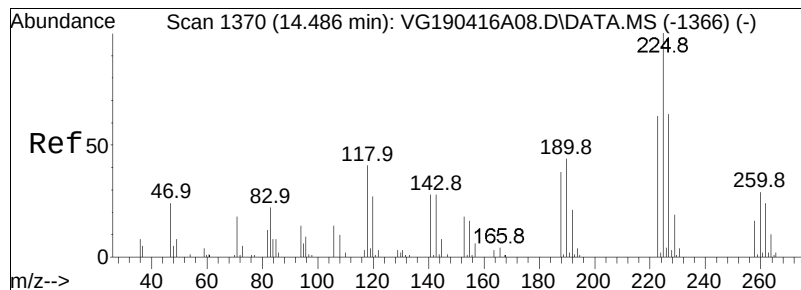




#32
 Chloroform
 Concen: 0.09 ug/L
 RT: 5.479 min Scan# 450
 Delta R.T. 0.000 min
 Lab File: VG190921A06.D
 Acq: 21 Sep 2019 10:15

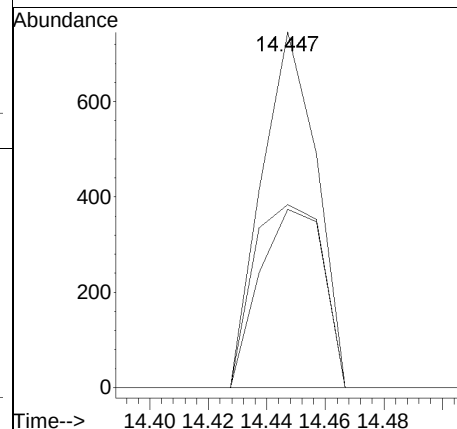
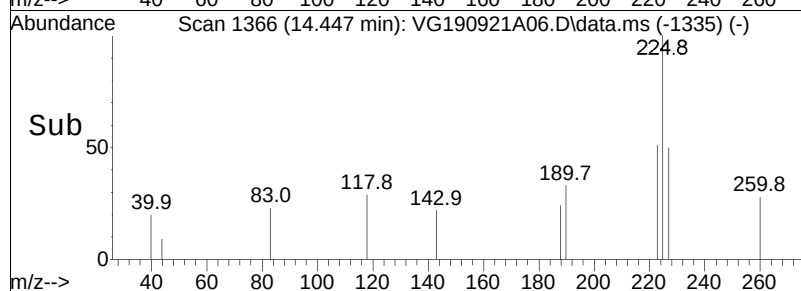
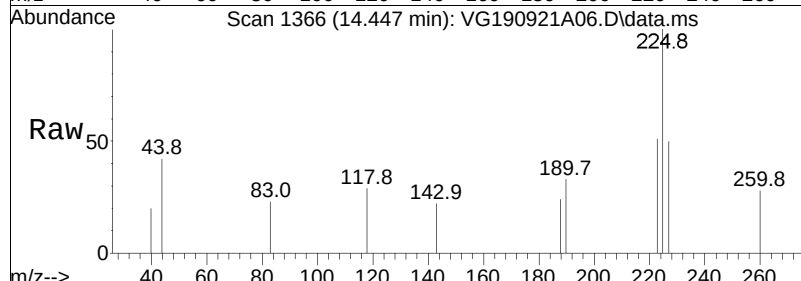
Tgt Ion:	83	Resp:	1011
Ion Ratio	Lower	Upper	
83	100		
85	55.1	41.4	86.0
47	18.8	15.1	31.3
48	0.0	7.7	16.1#

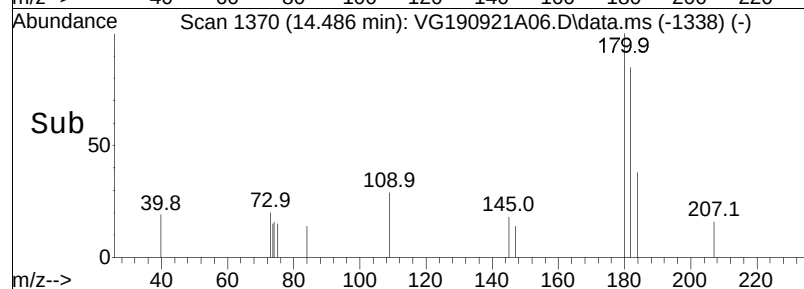
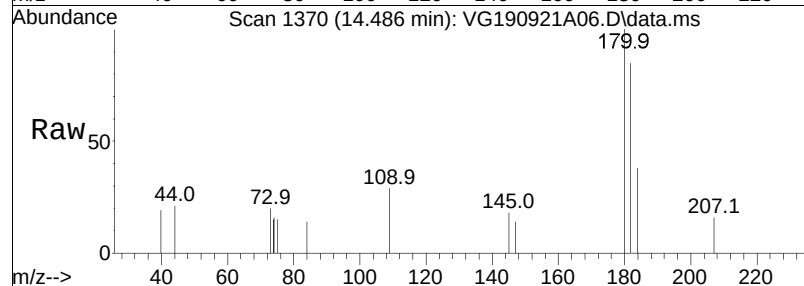
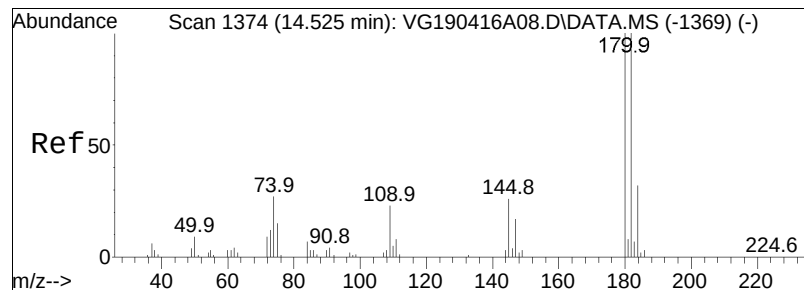




#108
 Hexachlorobutadiene
 Concen: 0.17 ug/L
 RT: 14.447 min Scan# 1366
 Delta R.T. 0.000 min
 Lab File: VG190921A06.D
 Acq: 21 Sep 2019 10:15

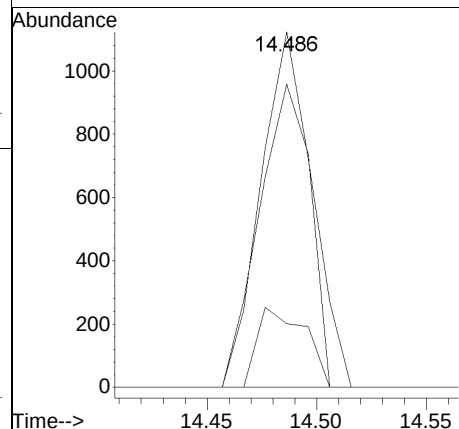
Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	50.1	75.1
227	58.4	50.2	75.4

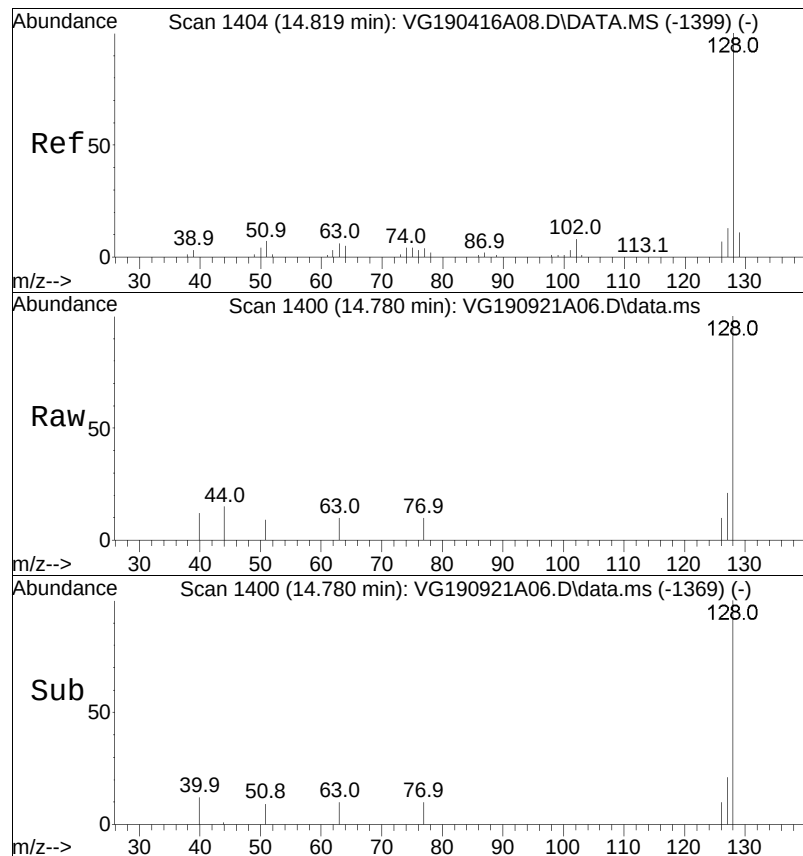




#109
 1,2,4-Trichlorobenzene
 Concen: 0.17 ug/L
 RT: 14.486 min Scan# 1370
 Delta R.T. 0.010 min
 Lab File: VG190921A06.D
 Acq: 21 Sep 2019 10:15

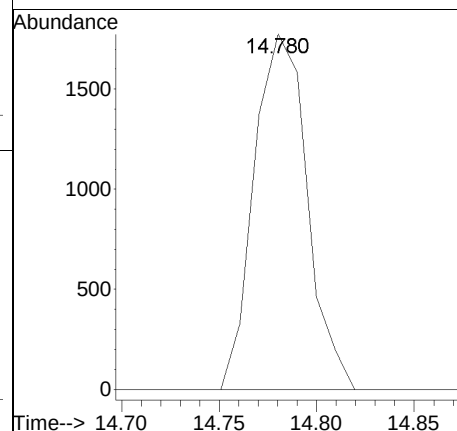
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	1834		
182	84.5		76.7	115.1
145	20.7		26.5	39.7#

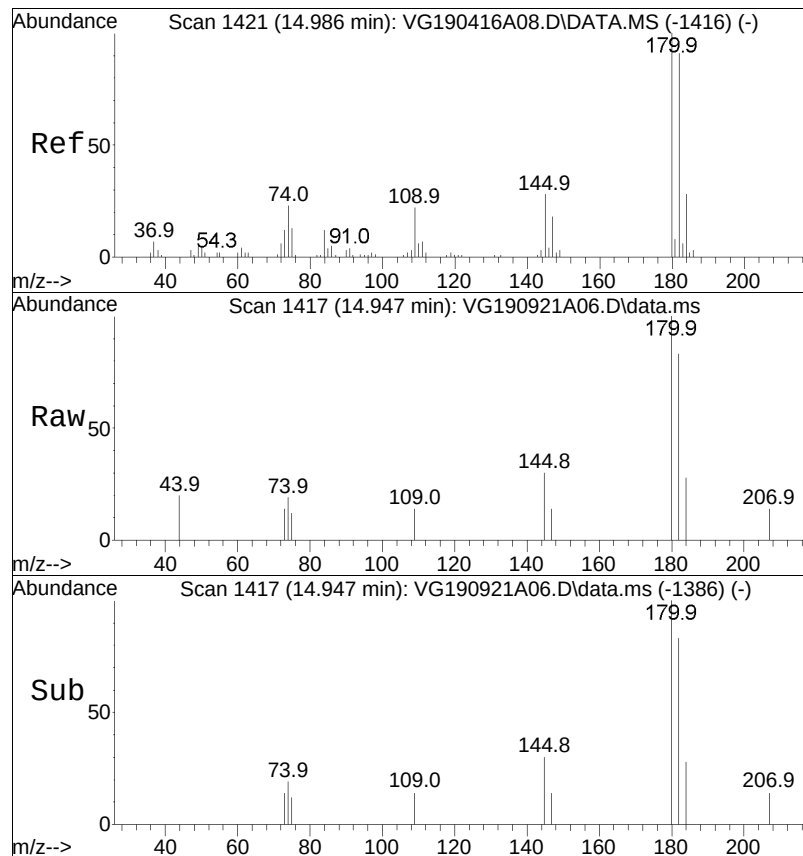




#110
Naphthalene
Concen: 0.23 ug/L
RT: 14.780 min Scan# 1400
Delta R.T. 0.000 min
Lab File: VG190921A06.D
Acq: 21 Sep 2019 10:15

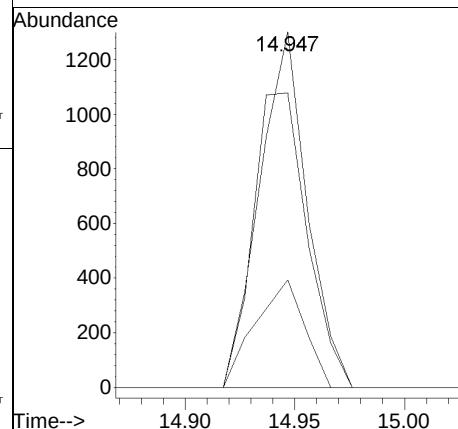
Tgt Ion:128 Resp: 3363





#111
 1,2,3-Trichlorobenzene
 Concen: 0.24 ug/L
 RT: 14.947 min Scan# 1417
 Delta R.T. 0.000 min
 Lab File: VG190921A06.D
 Acq: 21 Sep 2019 10:15

Tgt Ion:	180	Resp:	1971
Ion Ratio	Lower	Upper	
180	100		
182	93.8	77.0	115.4
145	31.2	24.1	36.1



Manual Integration Report

Data Path	: I:\VOLATILES\Gonzo\2019\190	Method	: G_190913_8260.m
Data File	: VG190921A06.D	Operator	: GONZO:PD
Date Inj'd	: 9/21/2019 10:15	Instrument	: Gonzo
Sample	: WG1287487-5,31,10,10	Quant Date	: 9/21/2019 10:43 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A05.D
 Acq On : 23 Sep 2019 8:59
 Operator : VOA108:PD
 Sample : WG1287429-5,31,10,10
 Misc : WG1287429,ICAL16150
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 23 09:18:14 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190923A\V08190923A02.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.509	96	168577	10.000	ug/L	0.00
Standard Area 1 = 177933			Recovery =	94.74%		
59) Chlorobenzene-d5	8.501	117	112729	10.000	ug/L	0.00
Standard Area 1 = 123701			Recovery =	91.13%		
79) 1,4-Dichlorobenzene-d4	9.987	152	46590	10.000	ug/L	0.00
Standard Area 1 = 59279			Recovery =	78.59%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.527	113	39579	9.292	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	92.92%		
43) 1,2-Dichloroethane-d4	5.163	65	53011	9.965	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.65%		
60) Toluene-d8	7.204	98	155727	10.361	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.61%		
83) 4-Bromofluorobenzene	9.318	95	49272	10.562	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	105.62%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.083	50	59	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.342	94	288	0.081	ug/L	84
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	4.279	83	286	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A05.D
 Acq On : 23 Sep 2019 8:59
 Operator : VOA108:PD
 Sample : WG1287429-5,31,10,10
 Misc : WG1287429,ICAL16150
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 23 09:18:14 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190923A\V08190923A02.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	0.000		0		N.D.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	0.000		0		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	
73) Chlorobenzene	8.518	112	148		N.D.	
74) Ethylbenzene	8.554	91	90		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	8.660	106	131		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	8.983	104	116		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	9.410	91	378		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	9.480	105	174		N.D.	
89) 2-Chlorotoluene	9.494	91	130		N.D.	
90) 1,3,5-Trimethylbenzene	9.480	105	174		N.D.	
91) 1,2,3-Trichloropropane	0.000		0		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93) 4-Chlorotoluene	9.597	91	265		N.D.	
94) tert-Butylbenzene	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A05.D
 Acq On : 23 Sep 2019 8:59
 Operator : VOA108:PD
 Sample : WG1287429-5,31,10,10
 Misc : WG1287429,ICAL16150
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 23 09:18:14 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190923A\V08190923A02.D
 Sub List : 8260-CurvePenta - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	9.764	105	169		N.D.	
98)	sec-Butylbenzene	9.825	105	197		N.D.	
99)	p-Isopropyltoluene	9.915	119	176		N.D.	
100)	1,3-Dichlorobenzene	9.943	146	164		N.D.	
101)	1,4-Dichlorobenzene	9.998	146	246		N.D.	
102)	p-Diethylbenzene	0.000		0		N.D.	
103)	n-Butylbenzene	10.155	91	363		N.D.	
104)	1,2-Dichlorobenzene	10.238	146	88		N.D.	
105)	1,2,4,5-Tetramethylben...	0.000		0		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108)	Hexachlorobutadiene	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	11.078	180	85		N.D.	
110)	Naphthalene	0.000		0		N.D.	
111)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

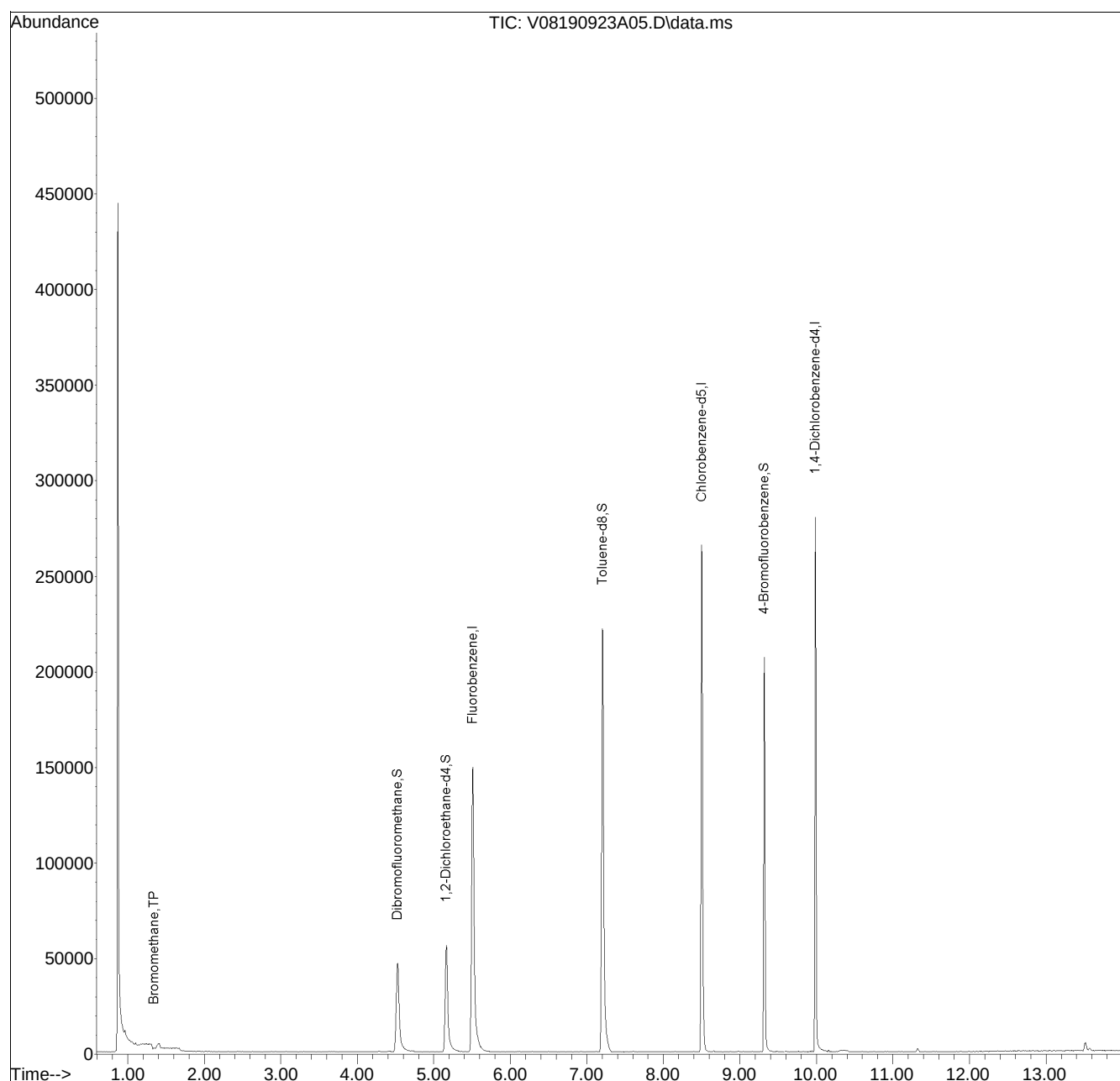
(#) = qualifier out of range (m) = manual integration (+) = signals summed

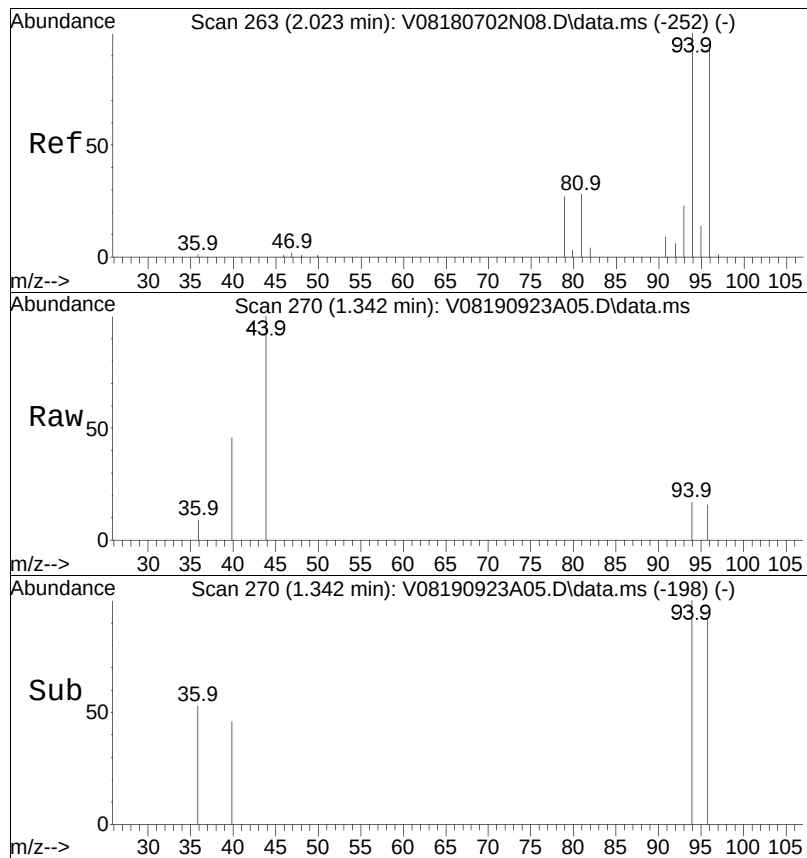
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A05.D
 Acq On : 23 Sep 2019 8:59
 Operator : VOA108:PD
 Sample : WG1287429-5,31,10,10
 Misc : WG1287429,ICAL16150
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 23 09:18:14 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

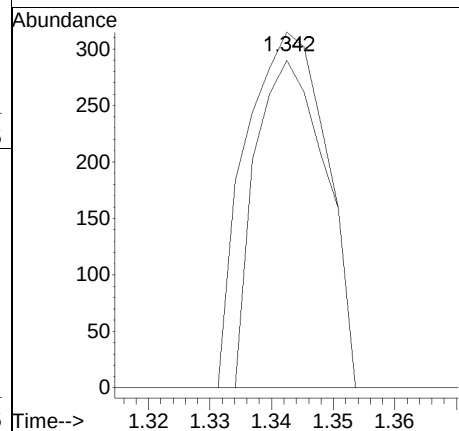
Sub List : 8260-CurvePenta - All compounds listed08190923A02.D•





#5
Bromomethane
Concen: 0.08 ug/L
RT: 1.342 min Scan# 270
Delta R.T. -0.000 min
Lab File: V08190923A05.D
Acq: 23 Sep 2019 8:59

Tgt Ion: 94 Resp: 288
Ion Ratio Lower Upper
94 100
96 80.2 75.6 115.6



Manual Integration Report

Data Path	: I:\VOLATILES\VOA108\2019\10	Method	: V108_190819_8260.m
Data File	: V08190923A05.D	Operator	: VOA108:PD
Date Inj'd	: 9/23/2019 8:59	Instrument	: VOA 108
Sample	: WG1287429-5,31,10,10	Quant Date	: 9/23/2019 9:17 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A03.D
 Acq On : 21 Sep 2019 8:59
 Operator : GONZO:PD
 Sample : WG1287487-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1287487,ICAL16127 (Sig #1); WG,ICAL16127 (Sig #2)
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 21 09:33:04 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.486	96	315591	10.000	ug/L	0.00
59) Chlorobenzene-d5	10.068	117	245301	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.664	152	143167	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	5.655	113	73893	9.758	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	97.58%	
43) 1,2-Dichloroethane-d4	6.203	65	81287	11.504	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	115.04%	
60) Toluene-d8	8.198	98	295386	9.471	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	94.71%	
83) 4-Bromofluorobenzene	11.489	95	107994	9.455	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	94.55%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.850	85	61856	9.297	ug/L	97
3) Chloromethane	2.075	50	68500	8.812	ug/L	98
4) Vinyl chloride	2.153	62	64322	9.960	ug/L	97
5) Bromomethane	2.506	94	21435M1	6.710	ug/L	
6) Chloroethane	2.633	64	39411	10.233	ug/L	95
7) Trichlorofluoromethane	2.779	101	109268	10.381	ug/L	100
8) Ethyl ether	3.112	74	24816	9.221	ug/L #	78
10) 1,1-Dichloroethene	3.317	96	54636	9.405	ug/L	87
11) Carbon disulfide	3.347	76	156658	9.358	ug/L	99
15) Methylene chloride	3.904	84	57879	9.364	ug/L	83
17) Acetone	3.953	43	11652	9.411	ug/L	91
18) trans-1,2-Dichloroethene	4.061	96	60844	9.558	ug/L	91
20) Methyl tert-butyl ether	4.158	73	135390	10.052	ug/L #	88
23) 1,1-Dichloroethane	4.677	63	114214	9.933	ug/L	99
25) Acrylonitrile	4.726	53	11883	9.908	ug/L	96
27) Vinyl acetate	4.912	43	145493	10.739	ug/L	96
28) cis-1,2-Dichloroethene	5.205	96	67830	9.714	ug/L	94
29) 2,2-Dichloropropane	5.313	77	107111	11.385	ug/L	91
30) Bromochloromethane	5.410	128	31659	9.778	ug/L	89
32) Chloroform	5.479	83	111281	9.669	ug/L	94
34) Carbon tetrachloride	5.616	117	102646	10.767	ug/L	98
37) 1,1,1-Trichloroethane	5.684	97	112589	10.421	ug/L	95
39) 2-Butanone	5.782	43	18760	10.662	ug/L #	84
40) 1,1-Dichloropropene	5.811	75	89214	10.208	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A03.D
 Acq On : 21 Sep 2019 8:59
 Operator : GONZO:PD
 Sample : WG1287487-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1287487,ICAL16127 (Sig #1); WG,ICAL16127 (Sig #2)
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 21 09:33:04 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Benzene	6.066	78	251135	9.501	ug/L	95
44) 1,2-Dichloroethane	6.271	62	81048	11.133	ug/L	99
48) Trichloroethene	6.662	95	69768	9.846	ug/L	99
50) Dibromomethane	7.122	93	33533	9.724	ug/L #	87
51) 1,2-Dichloropropane	7.230	63	58474	9.240	ug/L	96
54) Bromodichloromethane	7.288	83	87300	10.034	ug/L	97
57) 1,4-Dioxane	7.504	88	18303	490.480	ug/L #	90
58) cis-1,3-Dichloropropene	7.993	75	99706	9.758	ug/L #	83
61) Toluene	8.257	92	171091	9.523	ug/L	99
62) 4-Methyl-2-pentanone	8.697	58	14202	9.571	ug/L	75
63) Tetrachloroethene	8.707	166	96503	9.580	ug/L	96
65) trans-1,3-Dichloropropene	8.746	75	86667	9.738	ug/L	84
68) 1,1,2-Trichloroethane	8.942	83	38613	9.181	ug/L	98
69) Chlorodibromomethane	9.147	129	61694	9.441	ug/L	98
70) 1,3-Dichloropropane	9.265	76	79333	9.370	ug/L	98
71) 1,2-Dibromoethane	9.441	107	45828	9.037	ug/L	98
72) 2-Hexanone	9.716	43	28812	10.042	ug/L	89
73) Chlorobenzene	10.088	112	190445	9.700	ug/L	98
74) Ethylbenzene	10.117	91	332420	9.517	ug/L	99
75) 1,1,1,2-Tetrachloroethane	10.166	131	69751	9.542	ug/L	99
76) p/m Xylene	10.303	106	270033	19.914	ug/L	99
77) o Xylene	10.813	106	245936	19.325	ug/L	97
78) Styrene	10.871	104	420285	20.179	ug/L	99
80) Bromoform	10.911	173	43028	8.868	ug/L	100
82) Isopropylbenzene	11.175	105	355995	9.985	ug/L	100
84) Bromobenzene	11.596	156	96301	9.657	ug/L	96
85) n-Propylbenzene	11.636	91	403966	9.658	ug/L	98
87) 1,1,2,2-Tetrachloroethane	11.714	83	48540	9.050	ug/L	97
88) 4-Ethyltoluene	11.753	105	335887	10.038	ug/L	99
89) 2-Chlorotoluene	11.802	91	228663M1	9.758	ug/L	
90) 1,3,5-Trimethylbenzene	11.841	105	292812	9.965	ug/L	100
91) 1,2,3-Trichloropropane	11.861	75	44751M1	10.144	ug/L	
92) trans-1,4-Dichloro-2-b...	11.910	53	13310	10.241	ug/L #	94
93) 4-Chlorotoluene	11.978	91	239091	9.685	ug/L	97
94) tert-Butylbenzene	12.174	119	255384	9.718	ug/L	98
97) 1,2,4-Trimethylbenzene	12.253	105	290312	10.023	ug/L	99
98) sec-Butylbenzene	12.360	105	355772	10.106	ug/L	98
99) p-Isopropyltoluene	12.507	119	319960	9.649	ug/L	99
100) 1,3-Dichlorobenzene	12.586	146	181855	10.023	ug/L	96
101) 1,4-Dichlorobenzene	12.674	146	182824	10.025	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A03.D
 Acq On : 21 Sep 2019 8:59
 Operator : GONZO:PD
 Sample : WG1287487-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1287487,ICAL16127 (Sig #1); WG,ICAL16127 (Sig #2)
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 21 09:33:04 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102)	p-Diethylbenzene	12.870	119	180717	9.716	ug/L	98
103)	n-Butylbenzene	12.929	91	281880	10.119	ug/L	99
104)	1,2-Dichlorobenzene	13.095	146	160716	9.891	ug/L	97
105)	1,2,4,5-Tetramethylben...	13.654	119	258829	9.559	ug/L	98
106)	1,2-Dibromo-3-chloropr...	13.859	155	8729	9.749	ug/L	97
108)	Hexachlorobutadiene	14.447	225	51074	8.209	ug/L	99
109)	1,2,4-Trichlorobenzene	14.476	180	111499	9.601	ug/L	98
110)	Naphthalene	14.780	128	166788	10.329	ug/L	100
111)	1,2,3-Trichlorobenzene	14.937	180	91248	9.978	ug/L	97

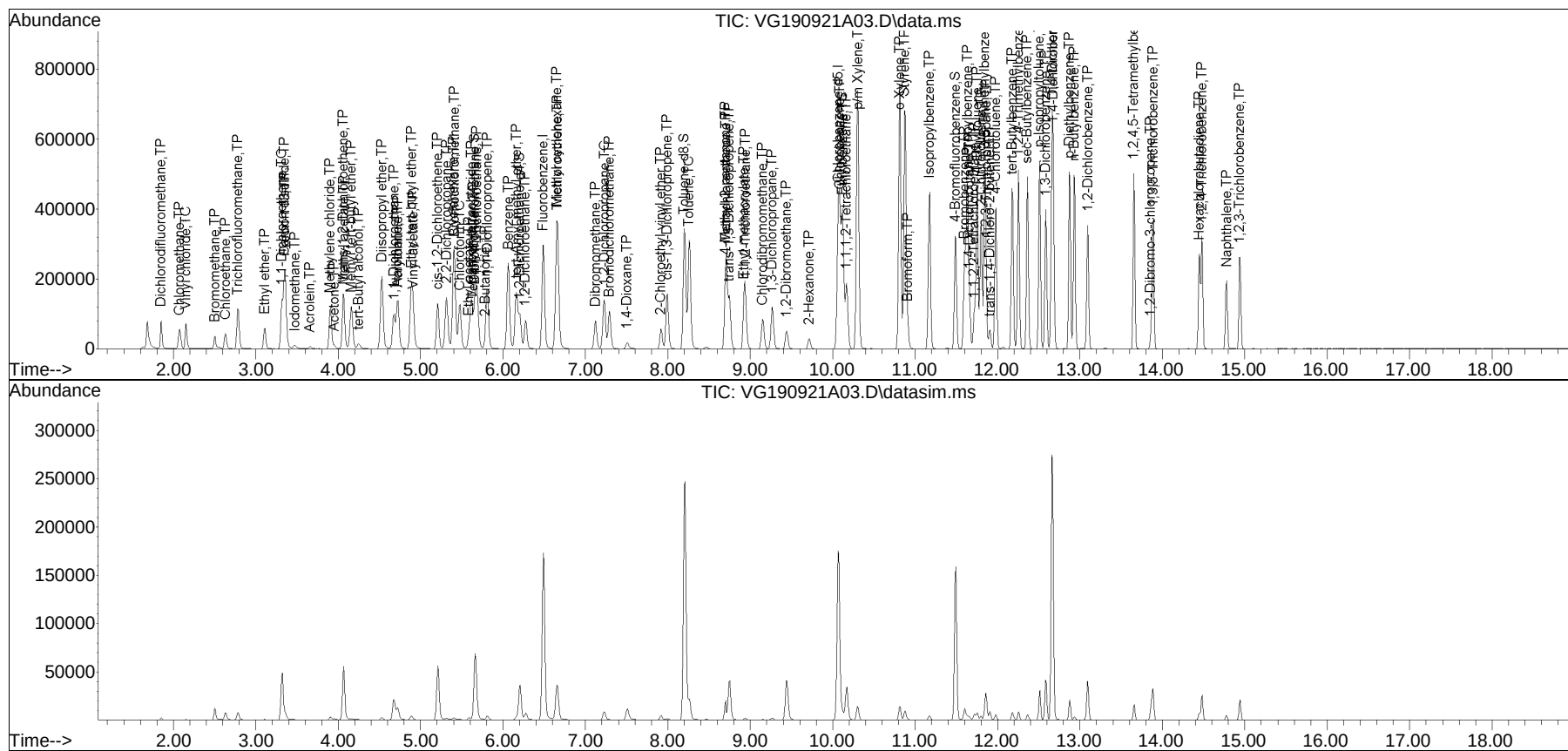
(#) = qualifier out of range (m) = manual integration (+) = signals summed

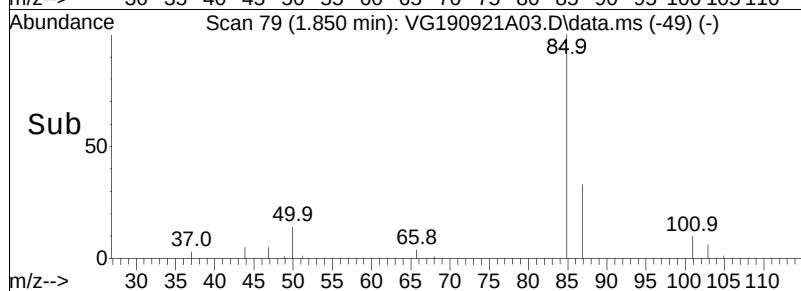
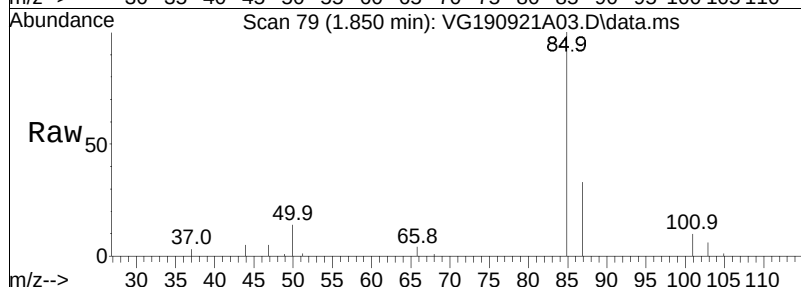
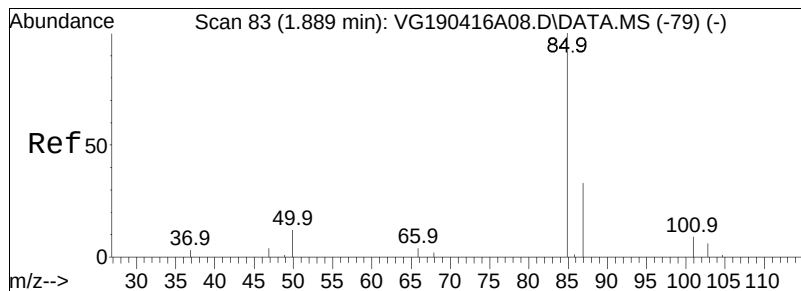
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
Data File : VG190921A03.D
Acq On : 21 Sep 2019 8:59
Operator : GONZO:PD
Sample : WG1287487-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1287487,ICAL16127 (Sig #1); WG,ICAL16127 (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 21 09:33:04 2019
Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 13 12:14:31 2019
Response via : Initial Calibration

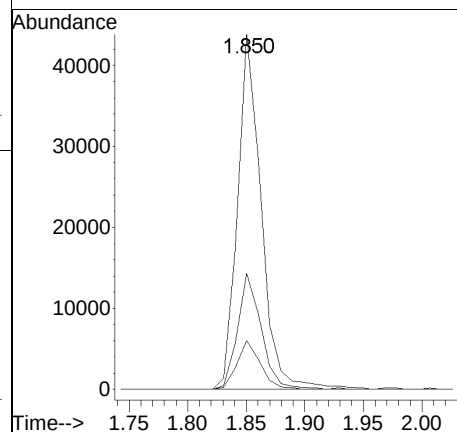
Sub List : 8260-Curve - Megamix plus Diox

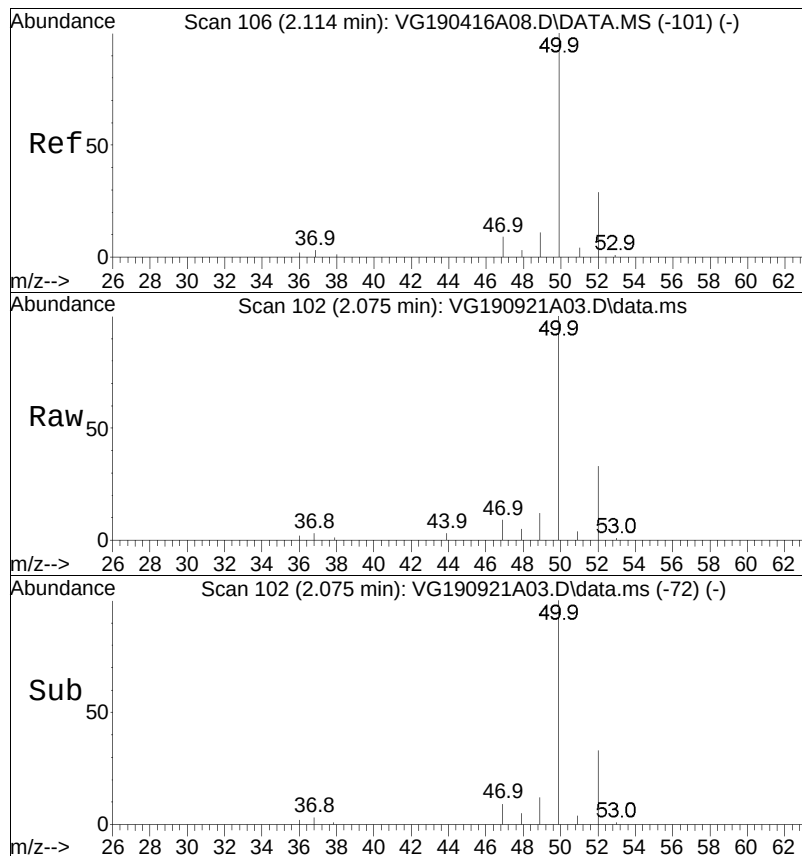




#2
 Dichlorodifluoromethane
 Concen: 9.30 ug/L
 RT: 1.850 min Scan# 79
 Delta R.T. -0.010 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

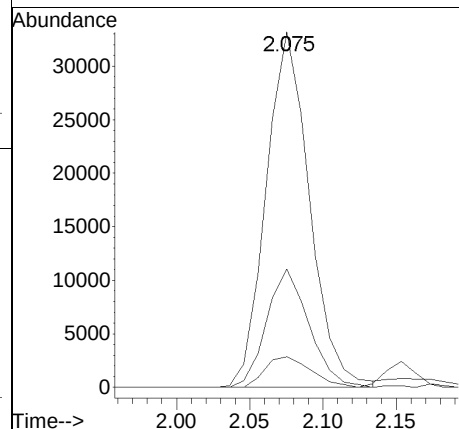
Tgt Ion	85	Ratio	Lower	Upper
85	100			
87	32.8	20.7	42.9	
50	13.6	7.5	15.5	

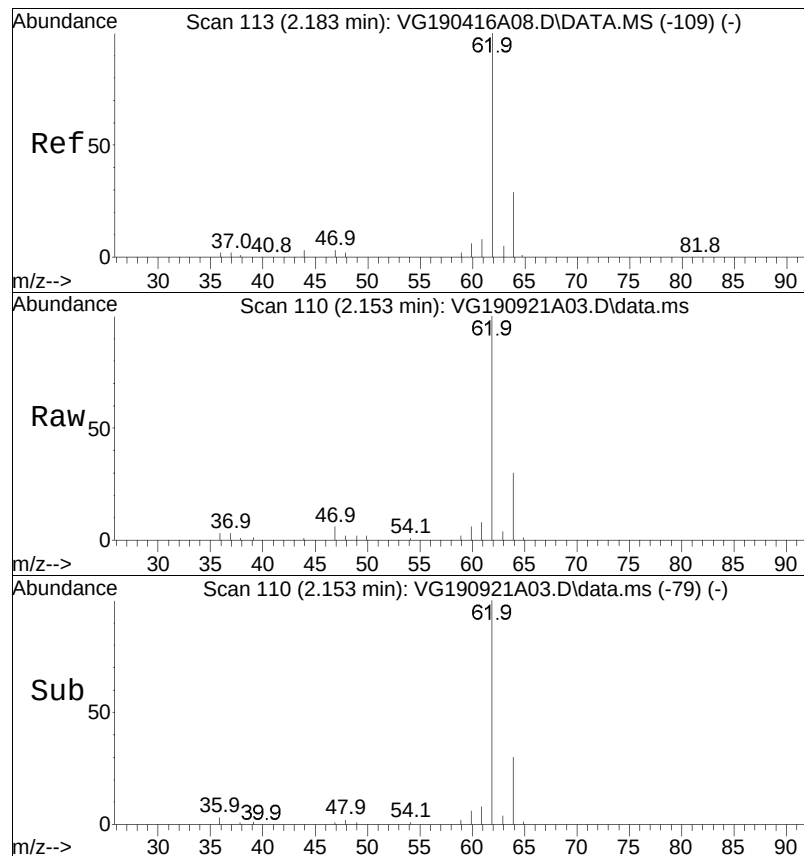




#3
 Chloromethane
 Concen: 8.81 ug/L
 RT: 2.075 min Scan# 102
 Delta R.T. -0.010 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

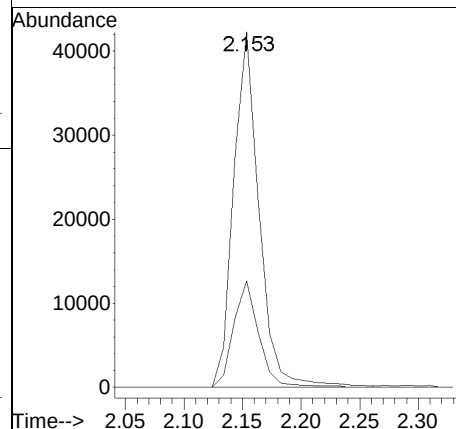
Tgt	Ion: 50	Resp:	68500
Ion	Ratio	Lower	Upper
50	100		
52	32.5	11.7	51.7
47	9.2	0.0	28.0

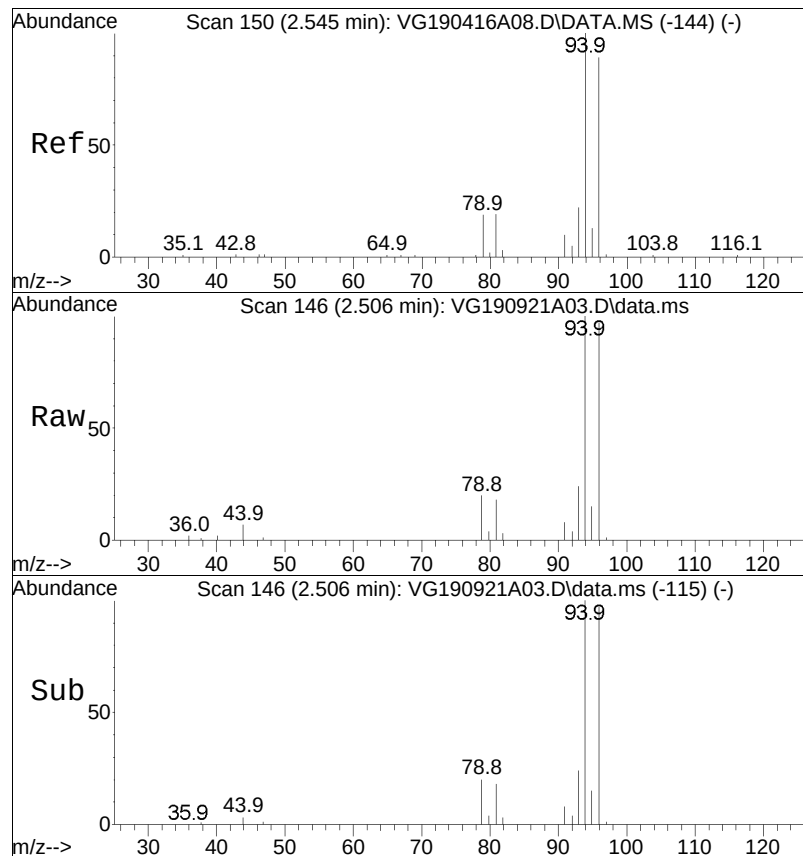




#4
 Vinyl chloride
 Concen: 9.96 ug/L
 RT: 2.153 min Scan# 110
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

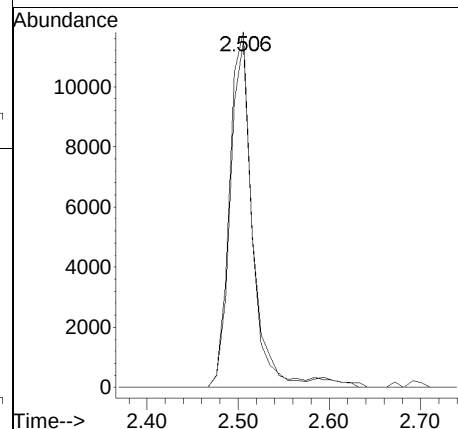
Tgt	Ion	Resp	Lower	Upper
62	100	64322		
64	29.7	11.3	51.3	

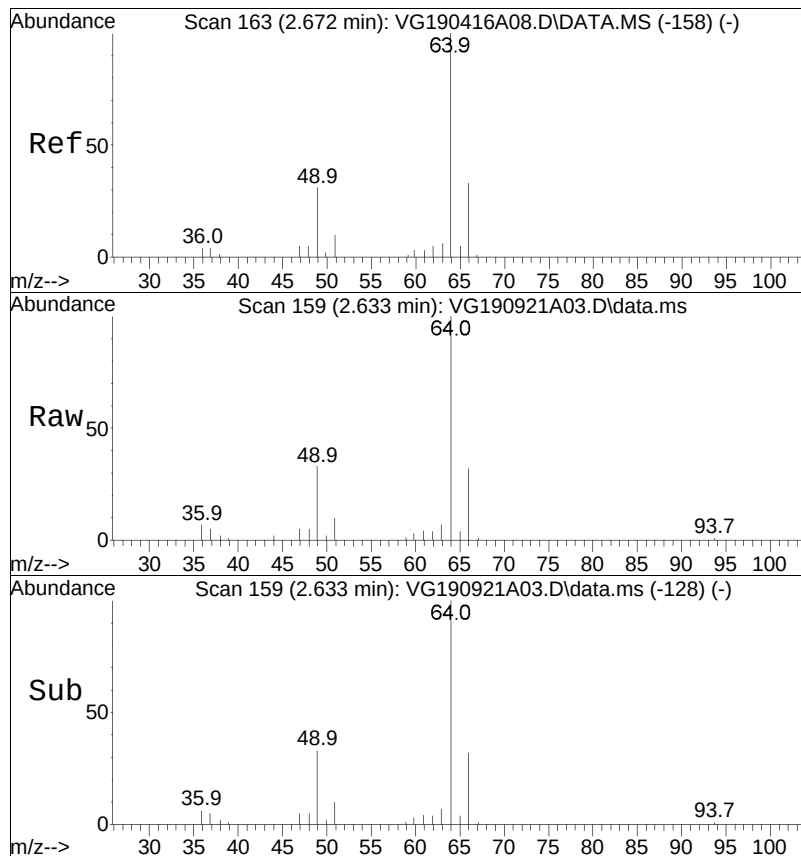




#5
 Bromomethane
 Concen: 6.71 ug/L M1
 RT: 2.506 min Scan# 146
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

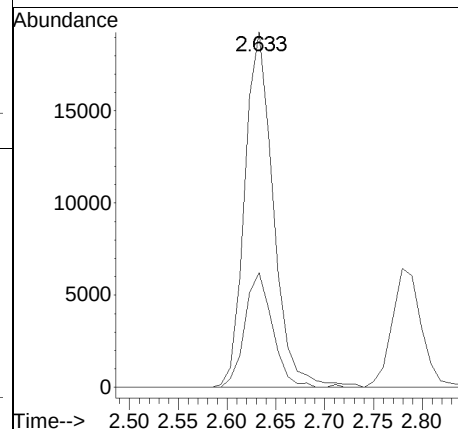
Tgt Ion	Ratio	Lower	Upper
94	100		
96	89.3	75.2	115.2

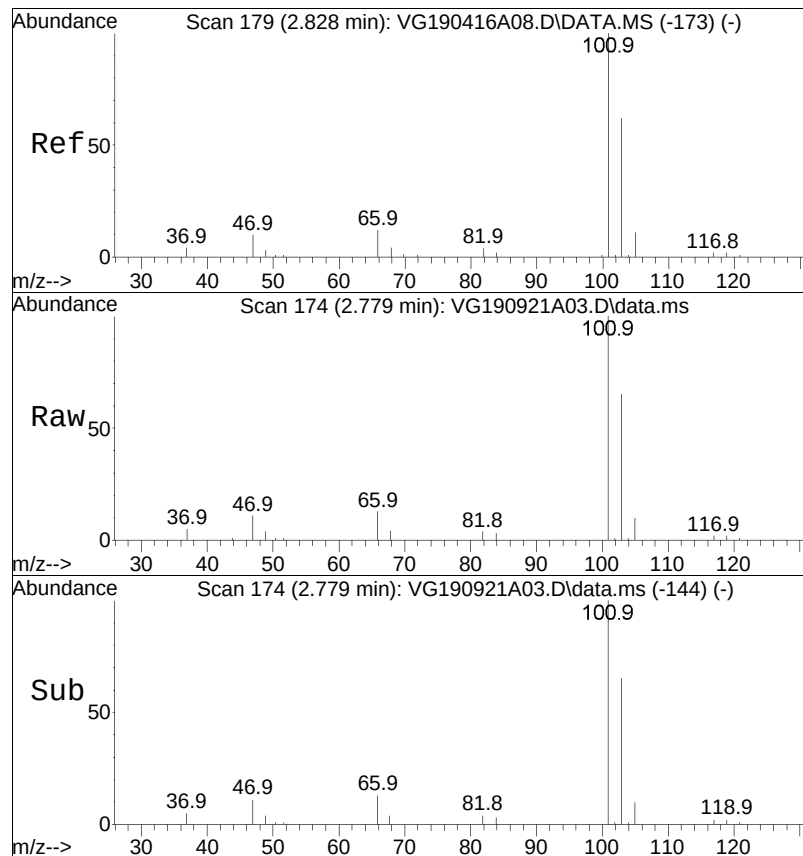




#6
 Chloroethane
 Concen: 10.23 ug/L
 RT: 2.633 min Scan# 159
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

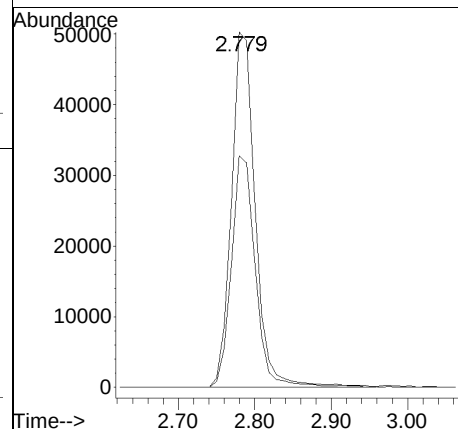
Tgt Ion	Ratio	Lower	Upper
64	100		
66	31.0	13.7	53.7

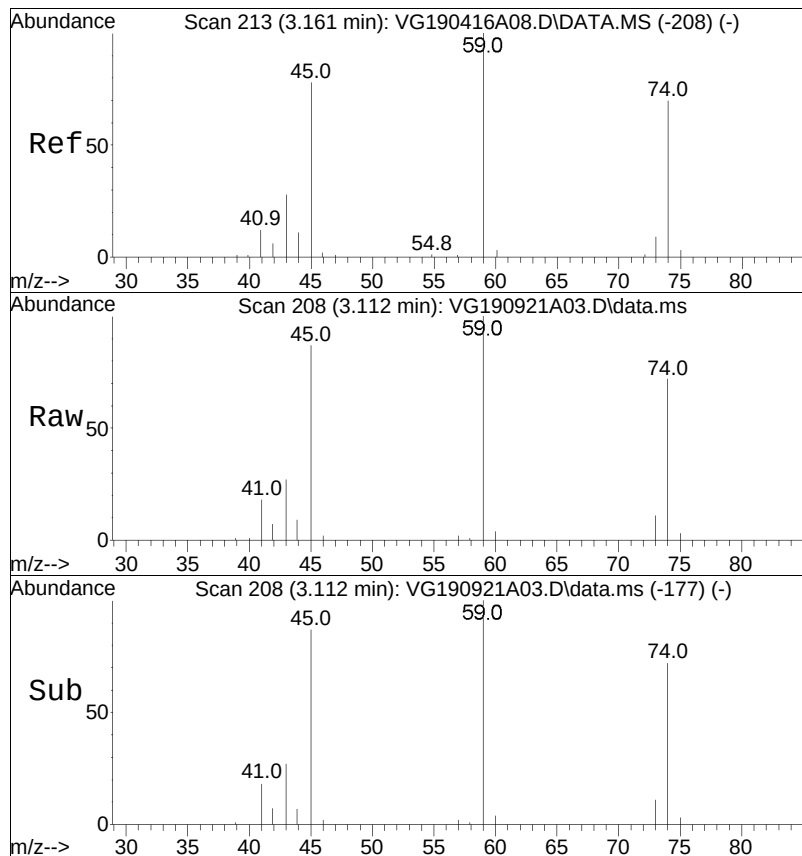




#7
 Trichlorofluoromethane
 Concen: 10.38 ug/L
 RT: 2.779 min Scan# 174
 Delta R.T. -0.010 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

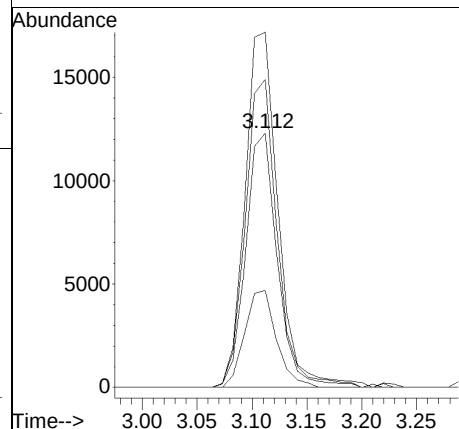
Tgt	Ion	Ratio	Lower	Upper
101	101	100		
103	65.2	52.2	78.2	

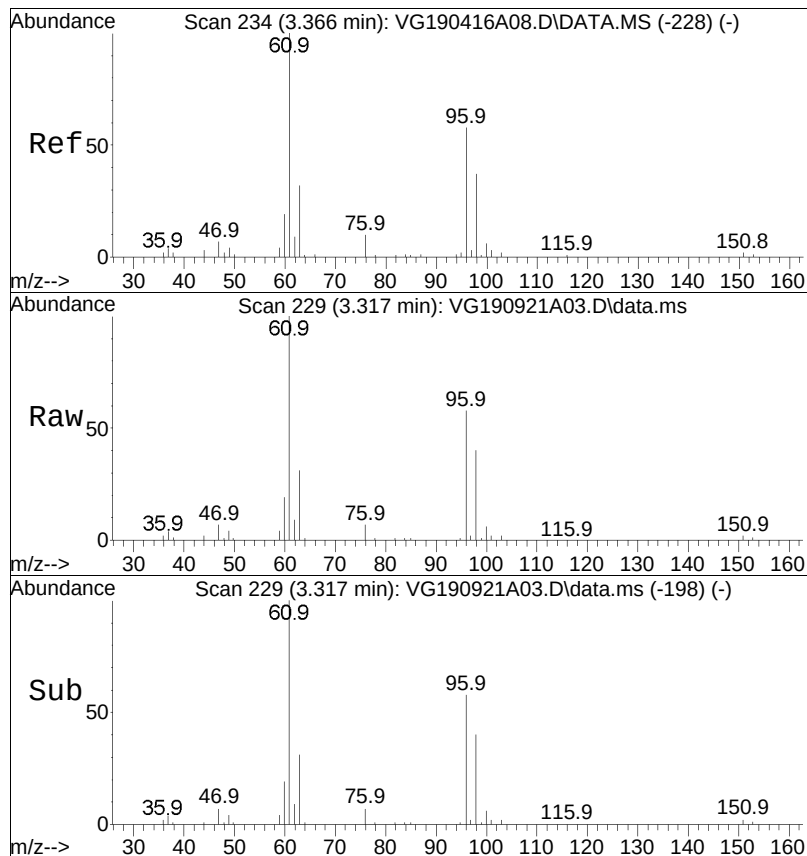




#8
Ethyl ether
Concen: 9.22 ug/L
RT: 3.112 min Scan# 208
Delta R.T. 0.000 min
Lab File: VG190921A03.D
Acq: 21 Sep 2019 8:59

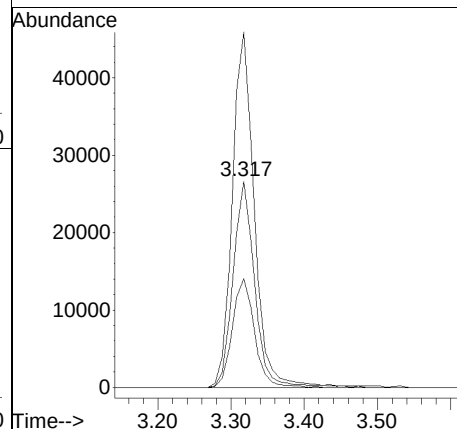
Tgt Ion: 74	Resp: 24816
Ion Ratio	Lower Upper
74 100	
59 145.4	83.5 173.3
45 122.3	59.7 123.9
43 38.2	17.6 36.6#

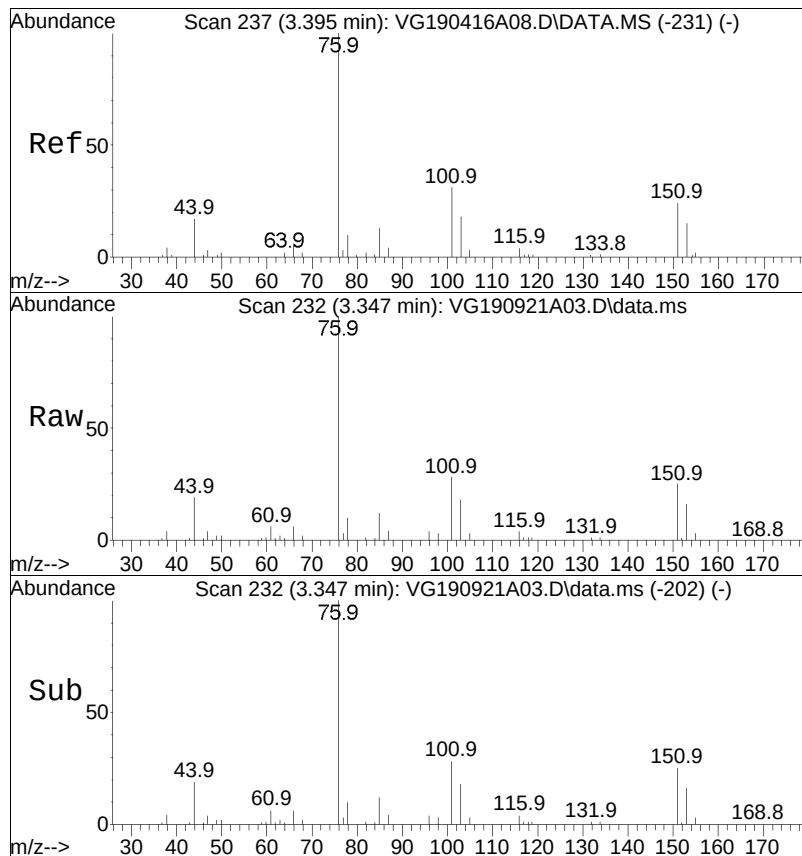




#10
 1,1-Dichloroethene
 Concen: 9.41 ug/L
 RT: 3.317 min Scan# 229
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

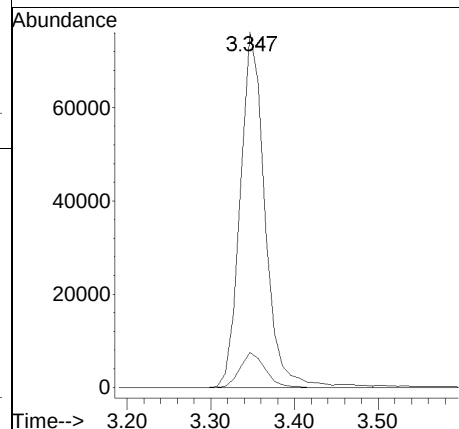
Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.7	124.2	186.4
63	54.1	40.0	60.0

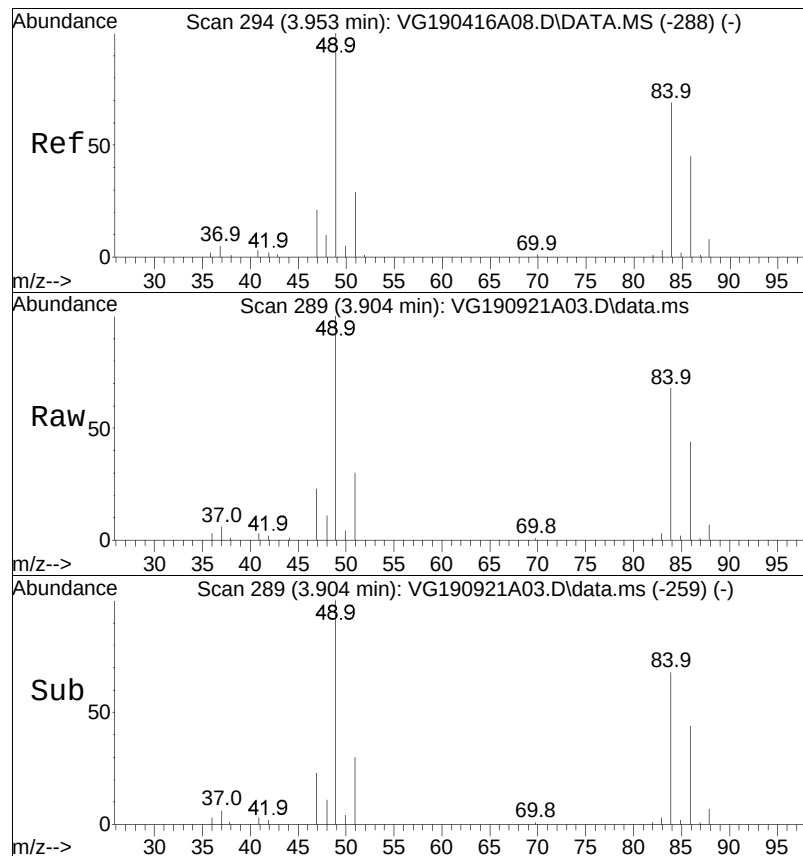




#11
 Carbon disulfide
 Concen: 9.36 ug/L
 RT: 3.347 min Scan# 232
 Delta R.T. -0.010 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

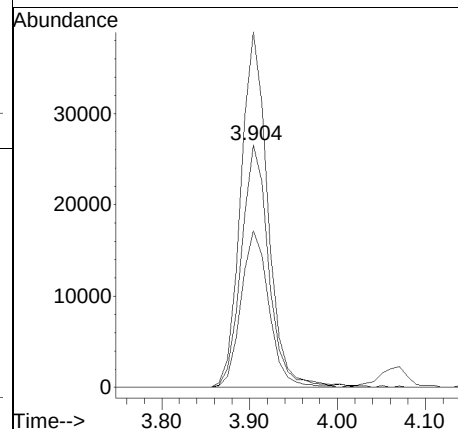
Tgt Ion:	76	78	Ratio	100	9.9	Resp:	156658	Lower	6.6	Upper	13.6

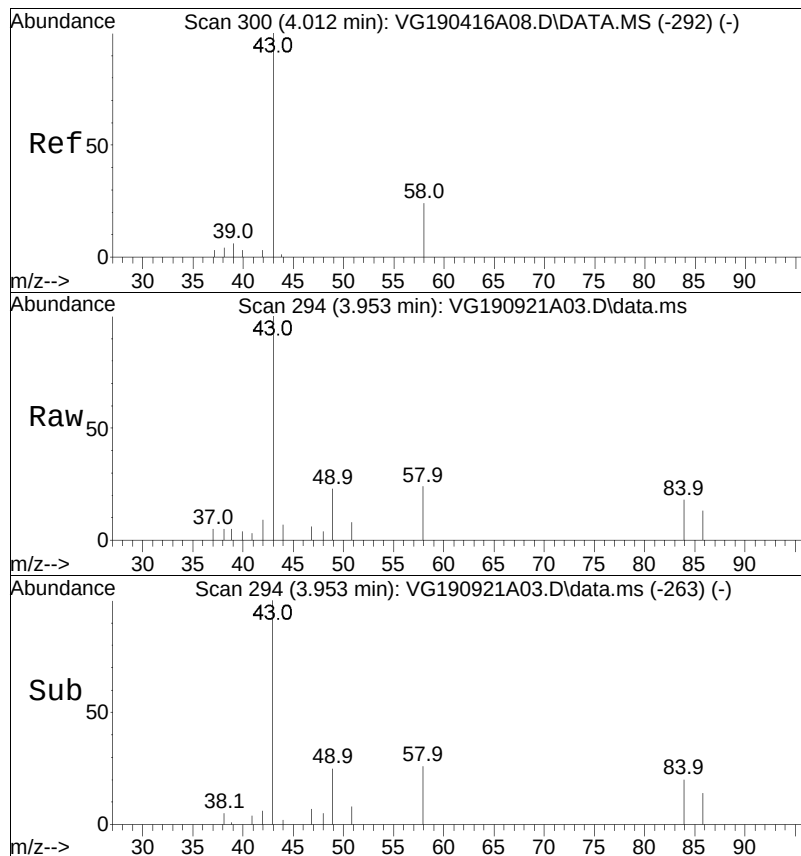




#15
Methylene chloride
Concen: 9.36 ug/L
RT: 3.904 min Scan# 289
Delta R.T. -0.010 min
Lab File: VG190921A03.D
Acq: 21 Sep 2019 8:59

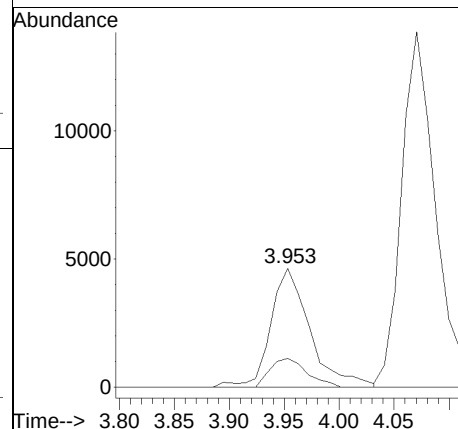
Tgt	Ion: 84	Resp:	57879
Ion	Ratio	Lower	Upper
84	100		
86	65.6	41.1	85.5
49	144.0	76.2	158.2

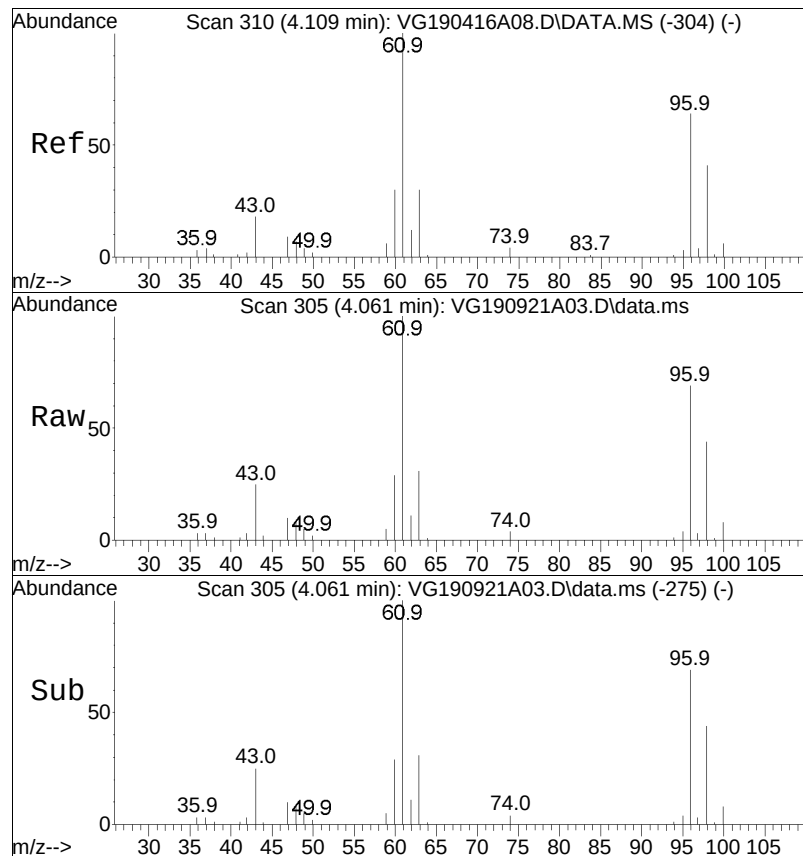




#17
 Acetone
 Concen: 9.41 ug/L
 RT: 3.953 min Scan# 294
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

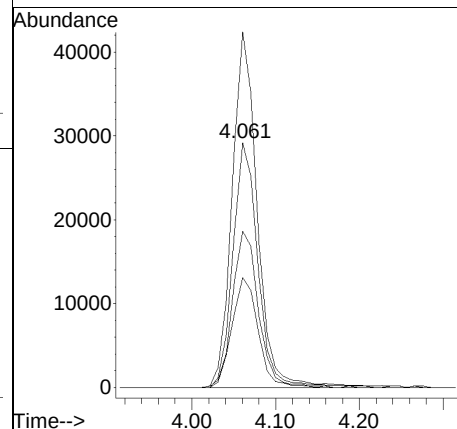
Tgt Ion:	43	58	Ratio	100	22.9	Resp:	11652	Lower	Upper
								22.2	33.4

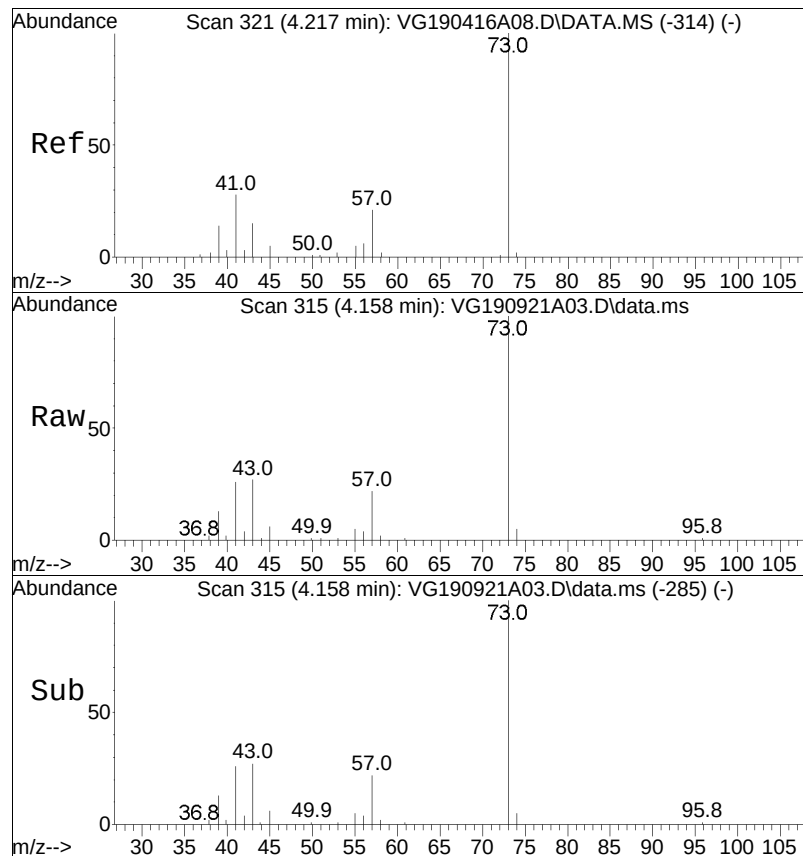




#18
 trans-1,2-Dichloroethene
 Concen: 9.56 ug/L
 RT: 4.061 min Scan# 305
 Delta R.T. -0.010 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

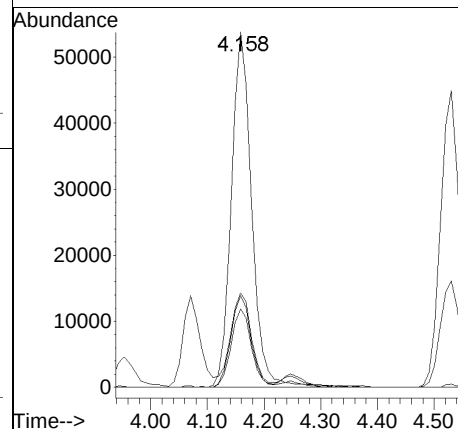
Tgt	Ion: 96	Resp:	60844
Ion	Ratio	Lower	Upper
96	100		
61	145.4	85.7	178.1
98	66.0	40.2	83.4
63	46.7	28.0	58.2

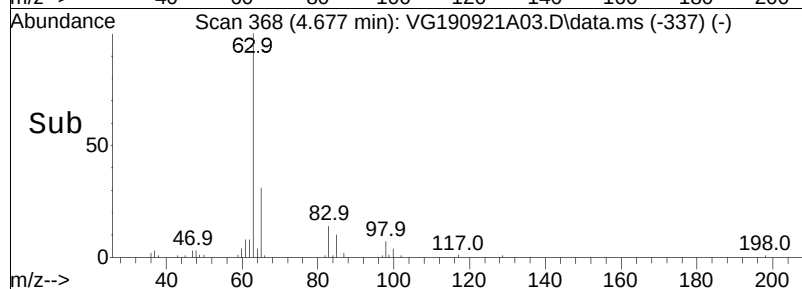
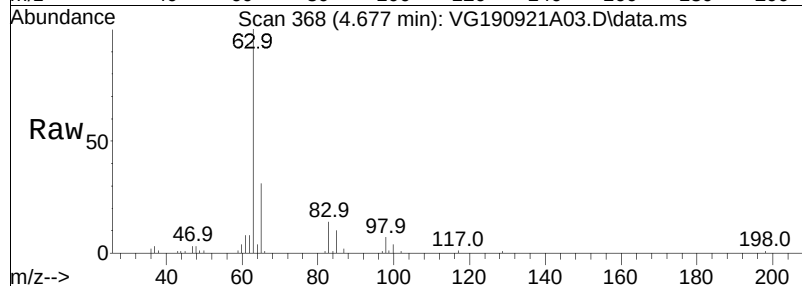
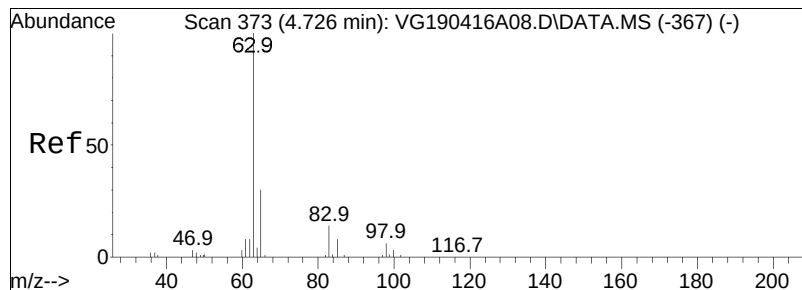




#20
Methyl tert-butyl ether
Concen: 10.05 ug/L
RT: 4.158 min Scan# 315
Delta R.T. -0.010 min
Lab File: VG190921A03.D
Acq: 21 Sep 2019 8:59

Tgt Ion:	73	Resp:	135390
Ion Ratio	Lower	Upper	
73	100		
57	21.8	12.5	26.1
43	28.1	13.0	27.0#
41	25.6	12.5	26.1





#23

1,1-Dichloroethane

Concen: 9.93 ug/L

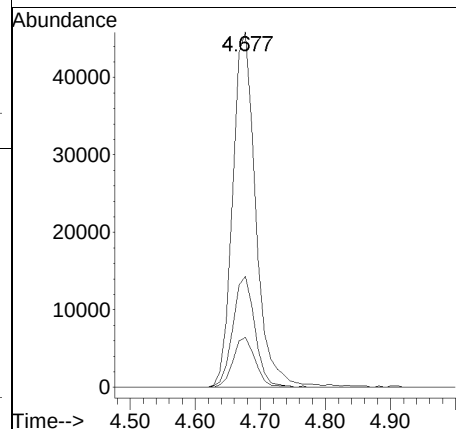
RT: 4.677 min Scan# 368

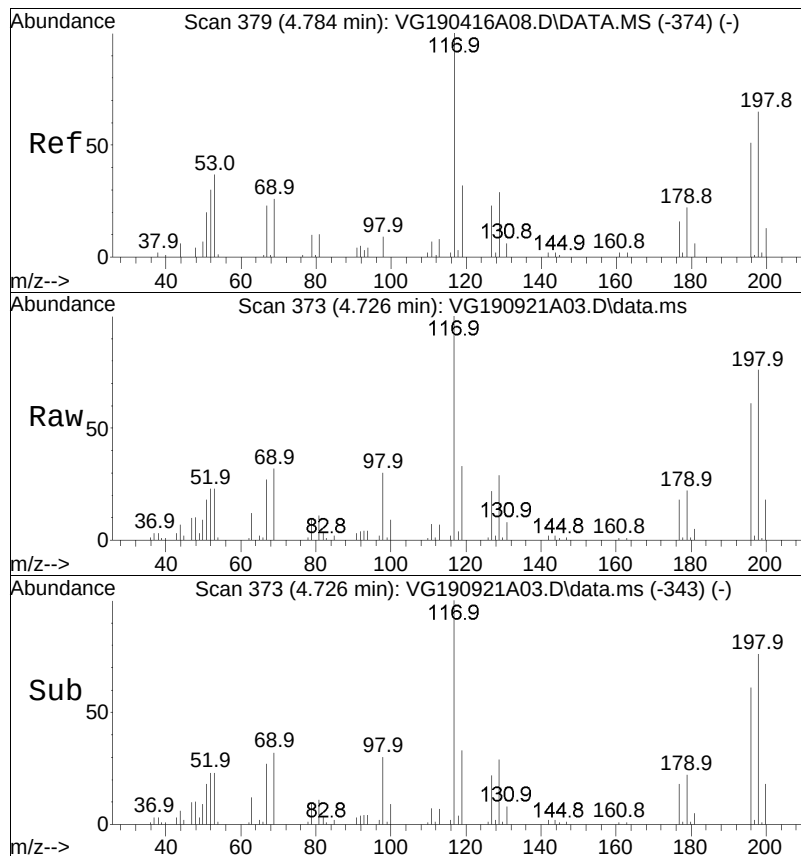
Delta R.T. 0.000 min

Lab File: VG190921A03.D

Acq: 21 Sep 2019 8:59

Tgt	Ion: 63	Resp:	114214
Ion	Ratio	Lower	Upper
63	100		
65	29.7	10.4	50.4
83	13.6	0.0	33.2





#25

Acrylonitrile

Concen: 9.91 ug/L

RT: 4.726 min Scan# 373

Delta R.T. -0.010 min

Lab File: VG190921A03.D

Acq: 21 Sep 2019 8:59

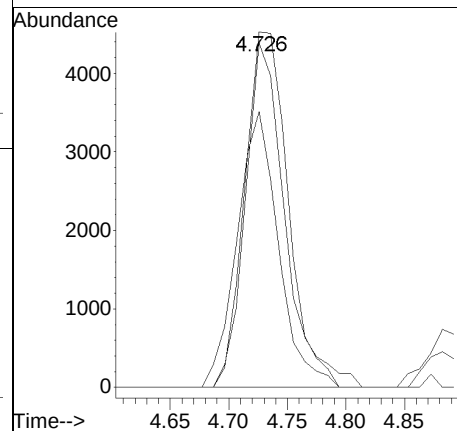
Tgt Ion: 53 Resp: 11883

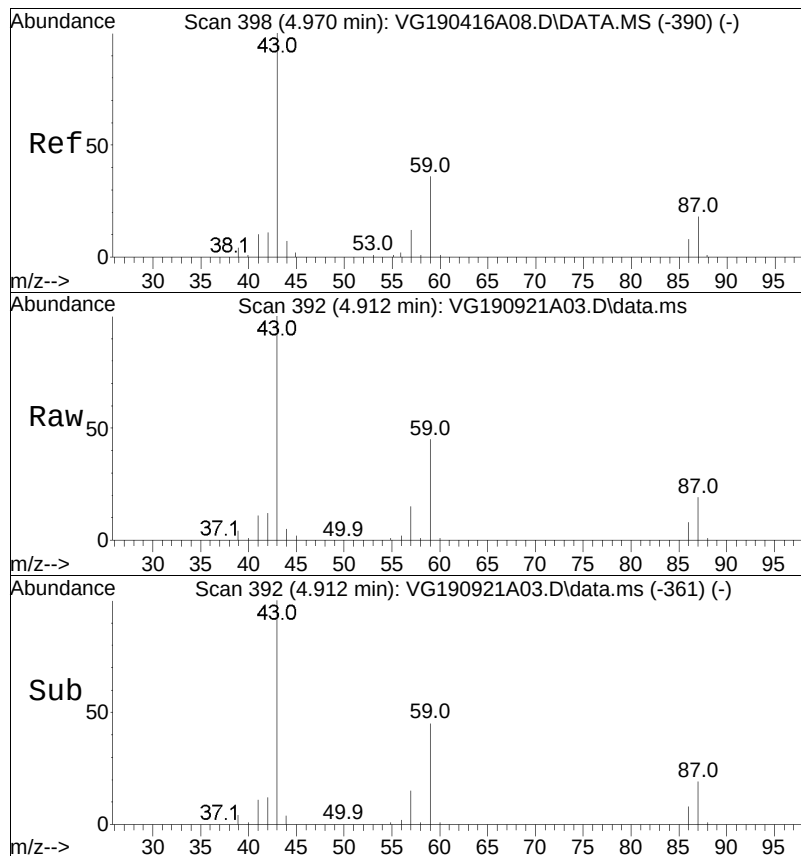
Ion Ratio Lower Upper

53 100

52 85.6 68.3 102.5

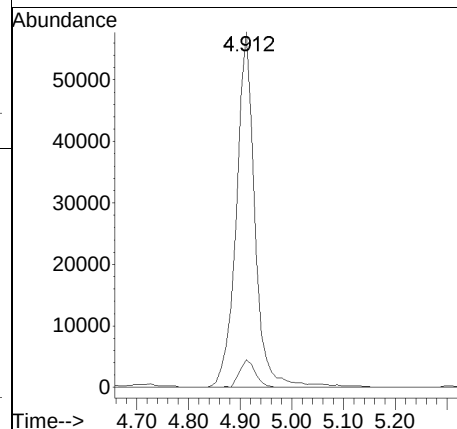
51 72.8 51.9 77.9

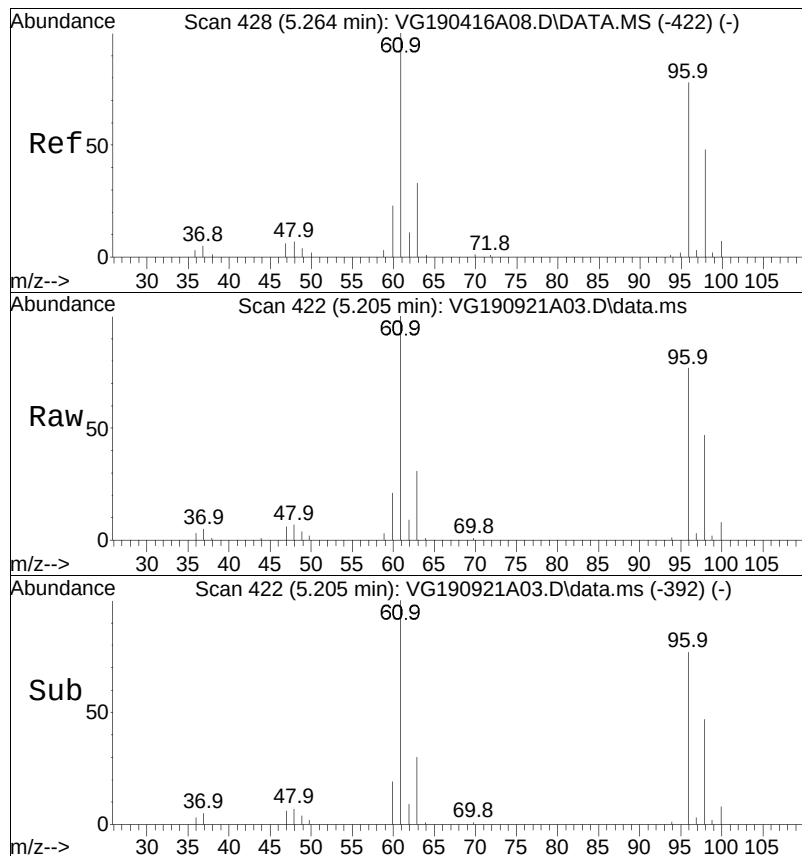




#27
 Vinyl acetate
 Concen: 10.74 ug/L
 RT: 4.912 min Scan# 392
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

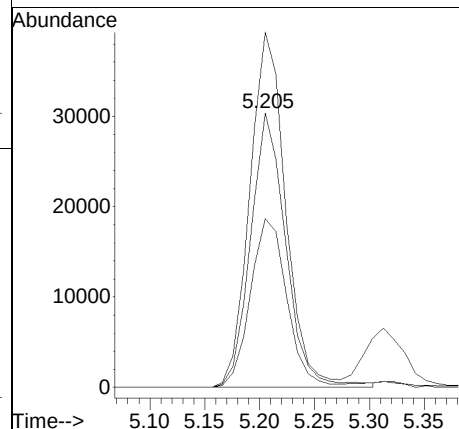
Tgt Ion	Ratio	Lower	Upper
43	100		
86	6.6	6.3	9.5

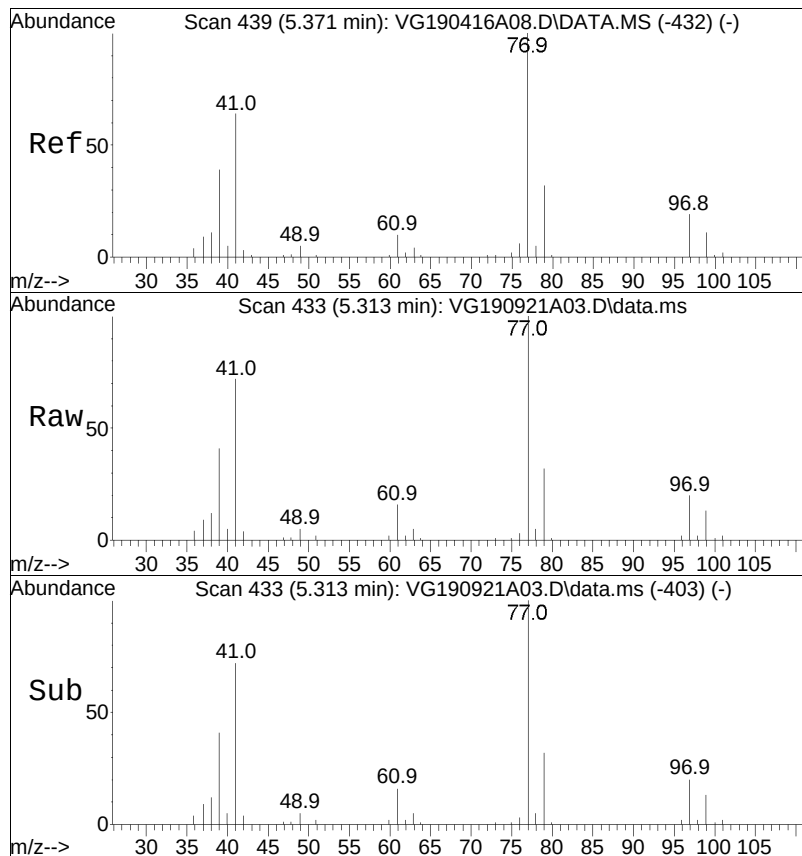




#28
 cis-1,2-Dichloroethene
 Concen: 9.71 ug/L
 RT: 5.205 min Scan# 422
 Delta R.T. -0.010 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

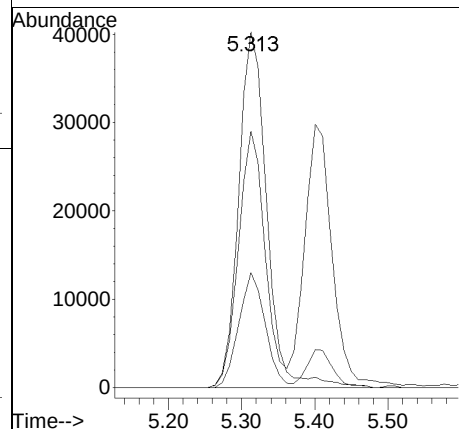
Tgt Ion:	96	Resp:	67830
Ion Ratio	Lower	Upper	
96	100		
61	131.1	96.6	144.8
98	63.8	51.3	76.9

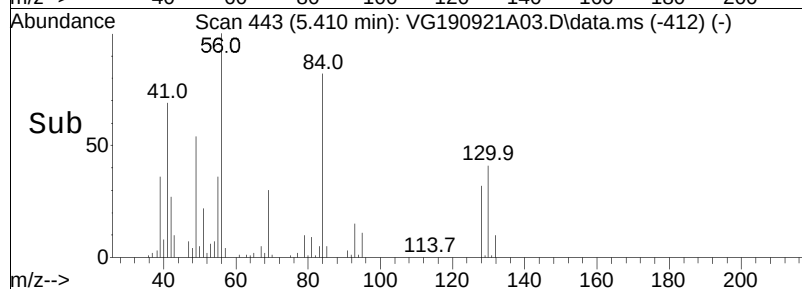
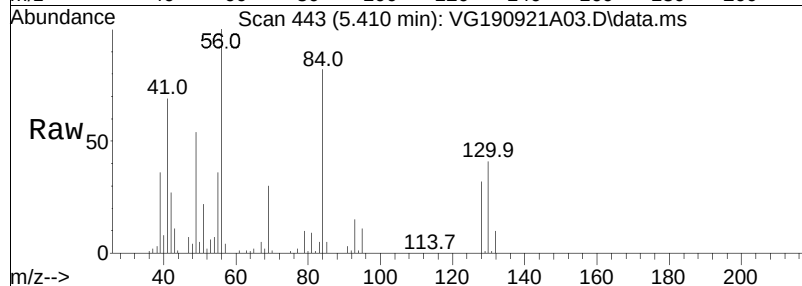
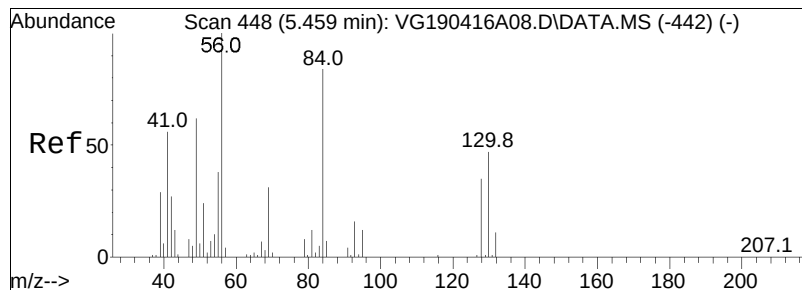




#29
 2,2-Dichloropropane
 Concen: 11.39 ug/L
 RT: 5.313 min Scan# 433
 Delta R.T. -0.010 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

Tgt Ion:	77	Resp:	107111
Ion Ratio	Lower	Upper	
77	100		
41	68.5	38.1	79.1
79	30.6	20.6	42.8





#30

Bromochloromethane

Concen: 9.78 ug/L

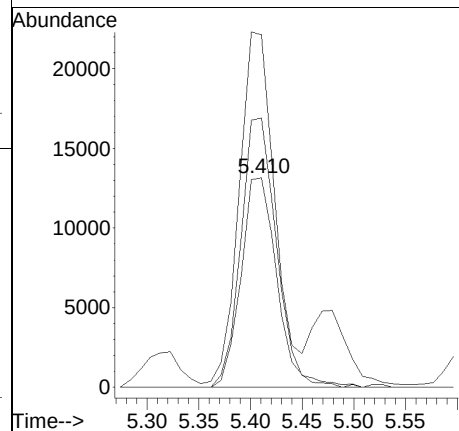
RT: 5.410 min Scan# 443

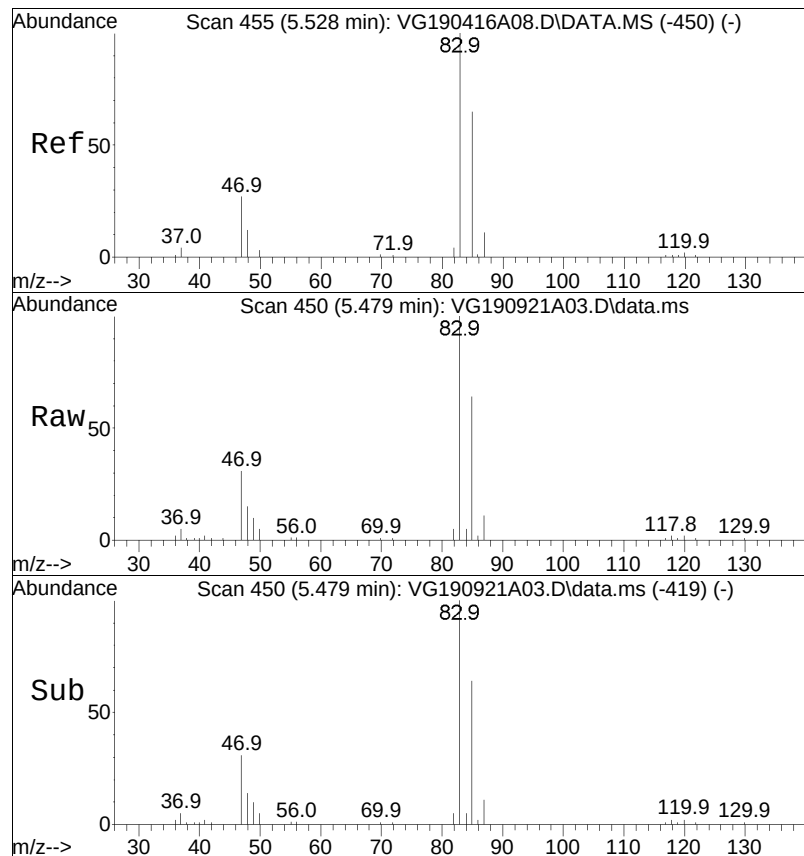
Delta R.T. 0.000 min

Lab File: VG190921A03.D

Acq: 21 Sep 2019 8:59

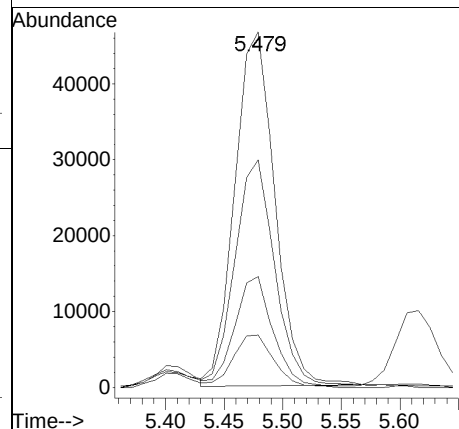
Tgt Ion:	128	Resp:	31659
Ion Ratio	Lower	Upper	
128	100		
49	165.9	112.7	169.1
130	129.2	103.3	154.9

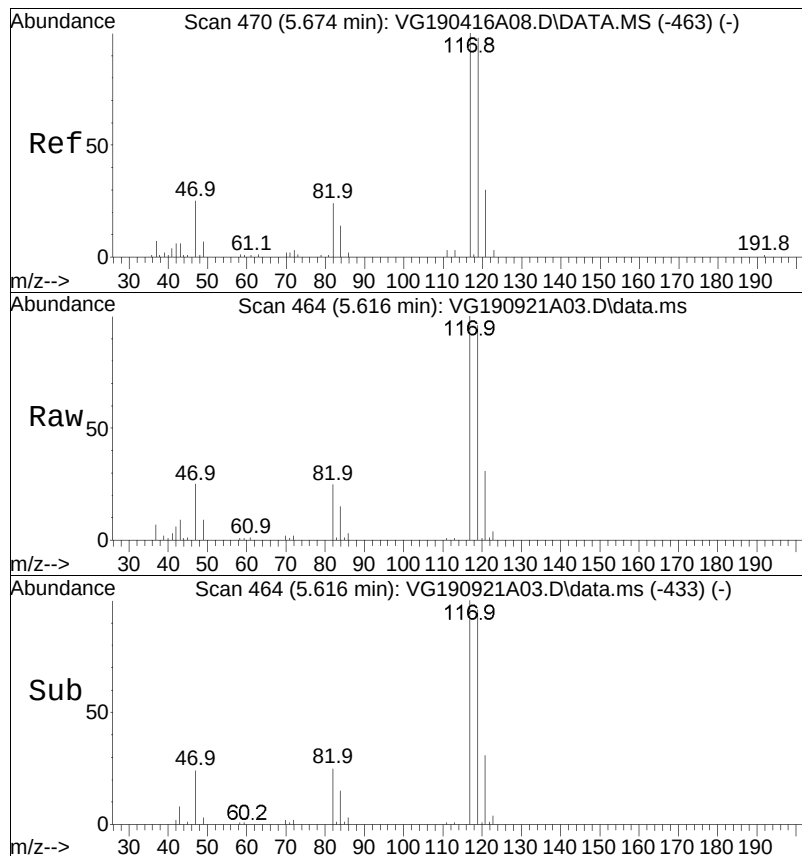




#32
 Chloroform
 Concen: 9.67 ug/L
 RT: 5.479 min Scan# 450
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

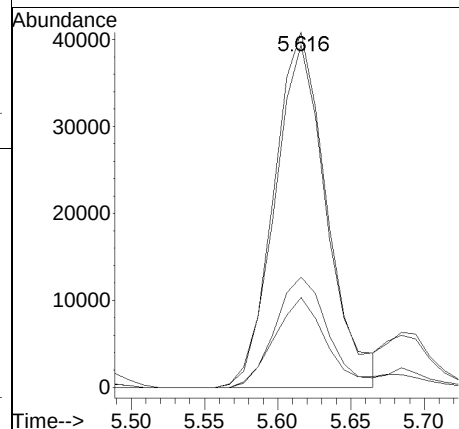
Tgt	Ion: 83	Resp:	111281
Ion	Ratio	Lower	Upper
83	100		
85	65.8	41.4	86.0
47	29.8	15.1	31.3
48	15.2	7.7	16.1

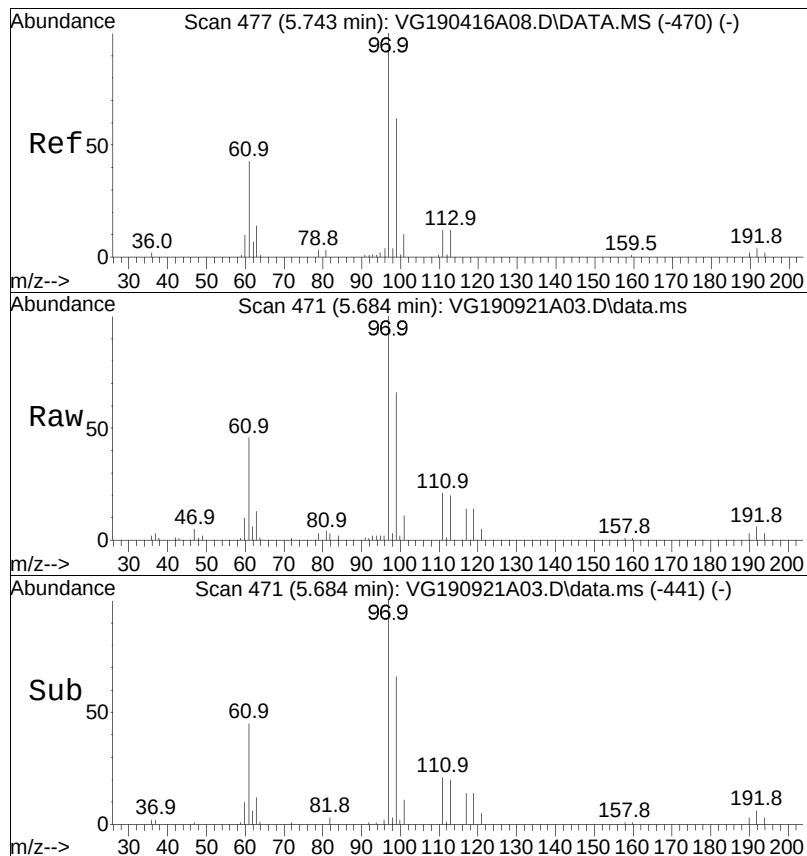




#34
 Carbon tetrachloride
 Concen: 10.77 ug/L
 RT: 5.616 min Scan# 464
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

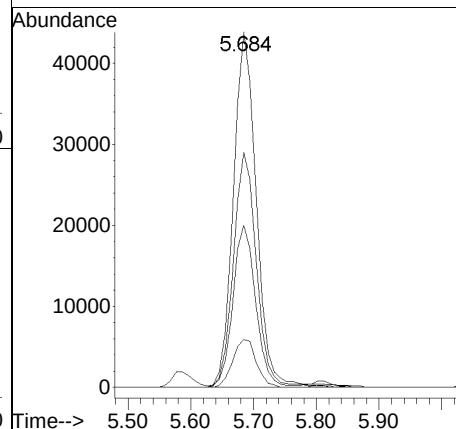
Tgt Ion:	117	Resp:	102646
Ion Ratio	Lower	Upper	
117	100		
119	94.9	63.2	131.2
121	31.0	20.4	42.4
82	25.0	15.4	32.0

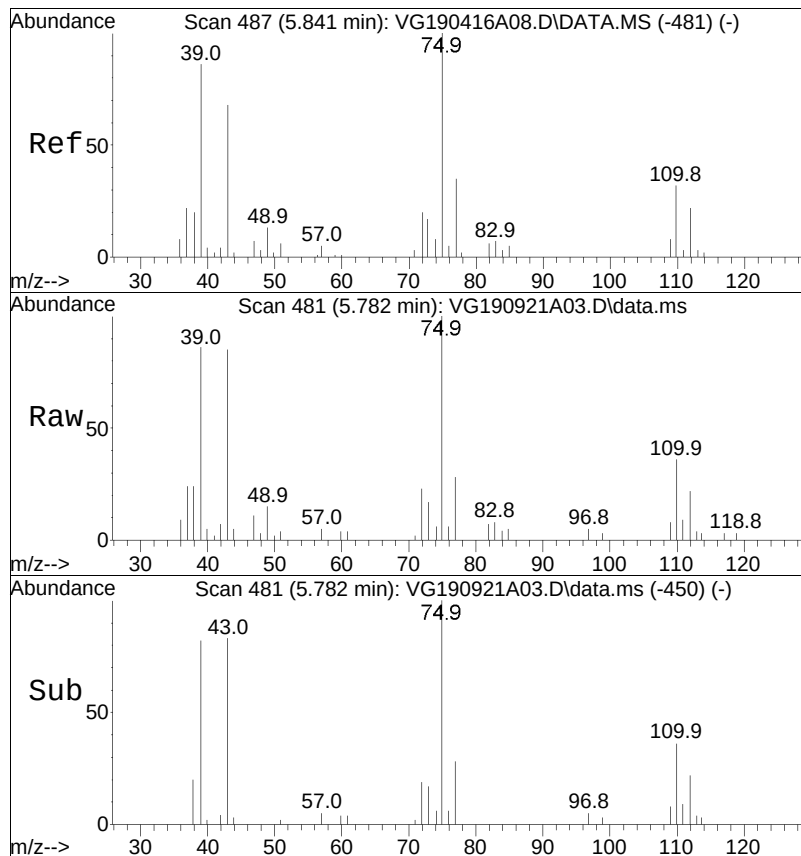




#37
 1,1,1-Trichloroethane
 Concen: 10.42 ug/L
 RT: 5.684 min Scan# 471
 Delta R.T. -0.010 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

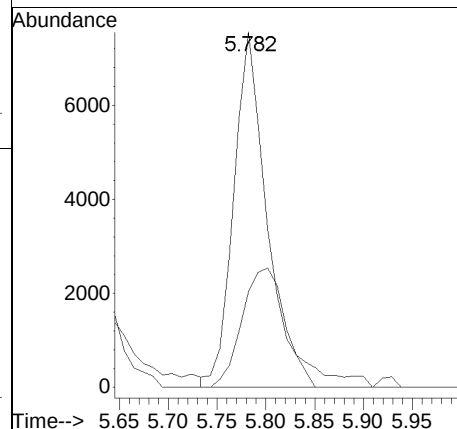
Tgt Ion: 97	Resp: 112589
Ion Ratio	Lower Upper
97 100	
99 66.0	41.3 85.7
61 45.1	26.0 54.0
63 13.8	8.6 18.0

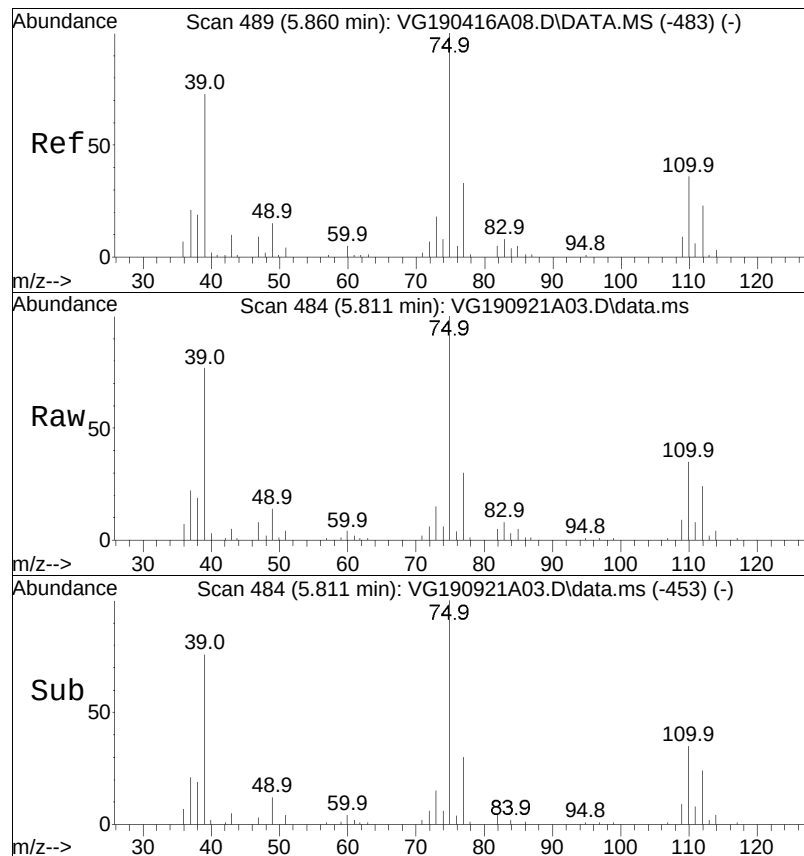




#39
 2-Butanone
 Concen: 10.66 ug/L
 RT: 5.782 min Scan# 481
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

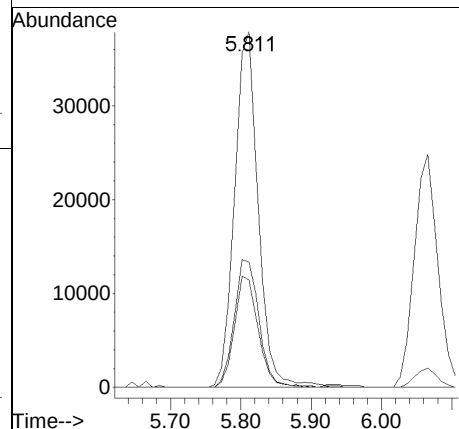
Tgt Ion:	43	72	100	Ratio	Lower	Upper
Resp:	18760	41.5	42.6	63.8#		

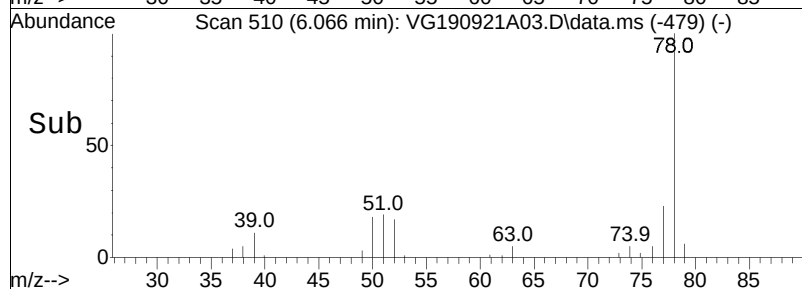
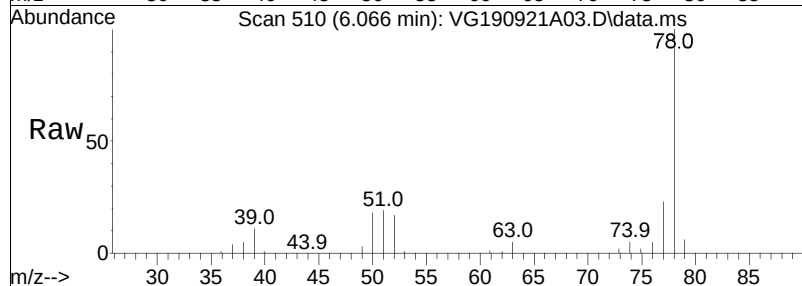
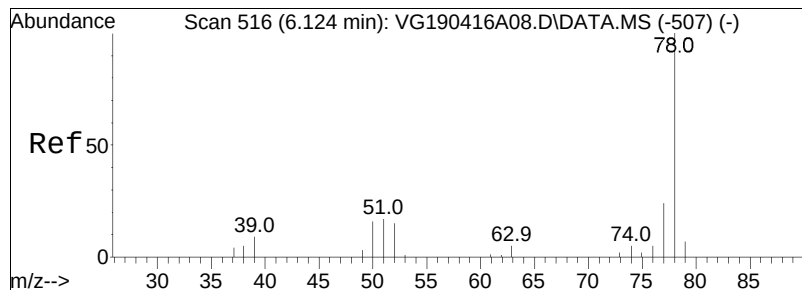




#40
 1,1-Dichloropropene
 Concen: 10.21 ug/L
 RT: 5.811 min Scan# 484
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

Tgt Ion:	75	Resp:	89214
Ion Ratio	Lower	Upper	
75	100		
110	37.5	24.1	50.1
77	31.6	19.8	41.0





#41

Benzene

Concen: 9.50 ug/L

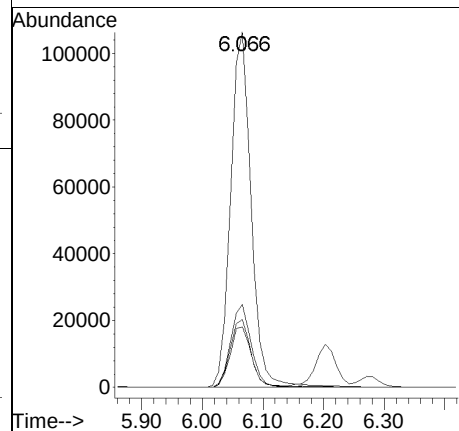
RT: 6.066 min Scan# 510

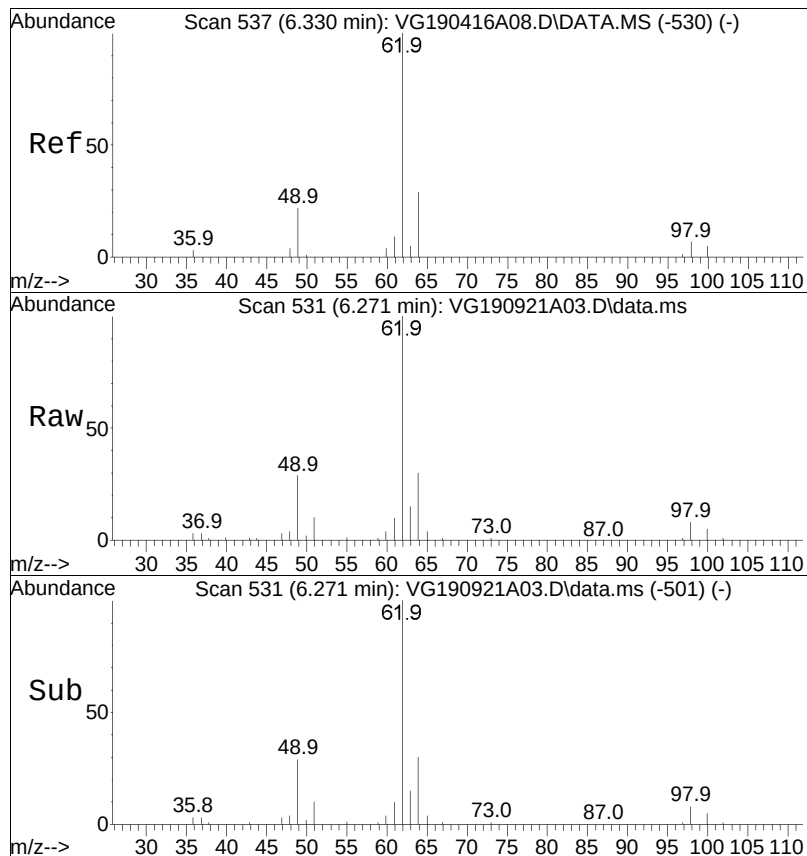
Delta R.T. 0.000 min

Lab File: VG190921A03.D

Acq: 21 Sep 2019 8:59

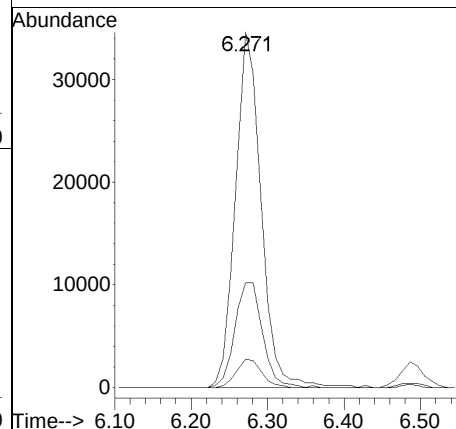
Tgt Ion: 78	Resp: 251135
Ion Ratio	Lower Upper
78 100	
77 23.4	15.5 32.1
51 19.4	9.9 20.7
52 17.7	9.2 19.2

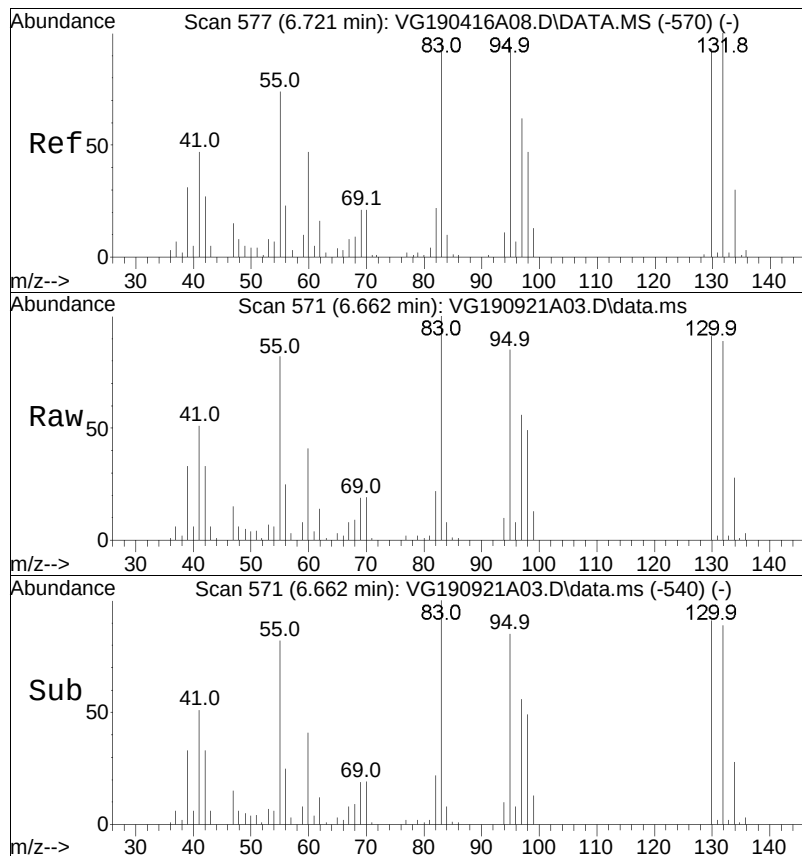




#44
 1,2-Dichloroethane
 Concen: 11.13 ug/L
 RT: 6.271 min Scan# 531
 Delta R.T. -0.010 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

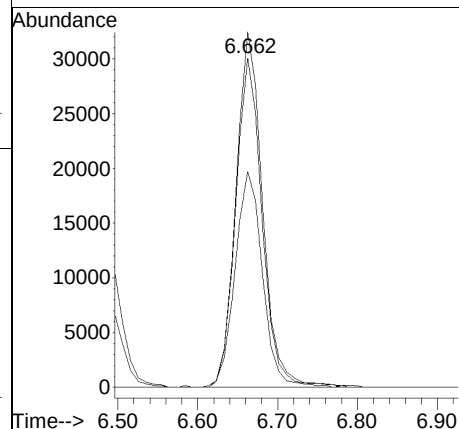
Tgt Ion:	62	Resp:	81048
Ion Ratio	Lower	Upper	
62	100		
64	31.7	11.9	51.9
98	7.8	0.0	29.3

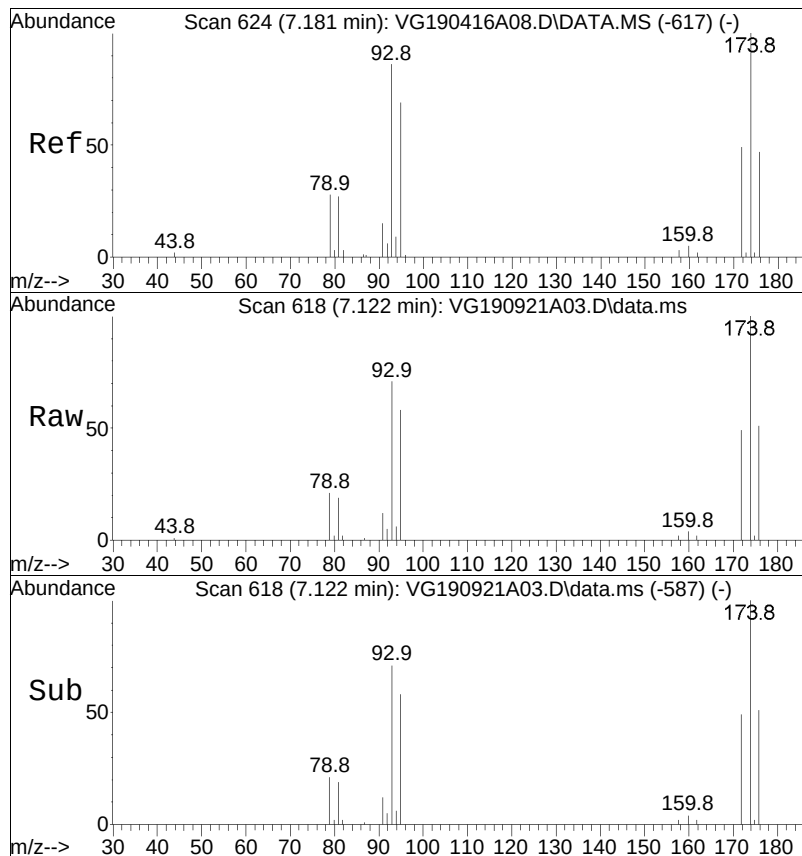




#48
 Trichloroethene
 Concen: 9.85 ug/L
 RT: 6.662 min Scan# 571
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

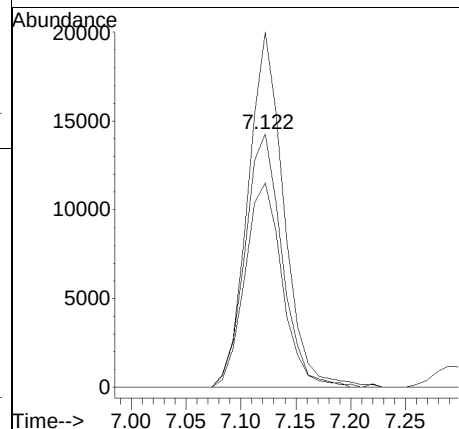
Tgt Ion:	95	Resp:	69768
Ion Ratio	Lower	Upper	
95	100		
97	67.9	54.0	81.0
130	108.0	85.0	127.4

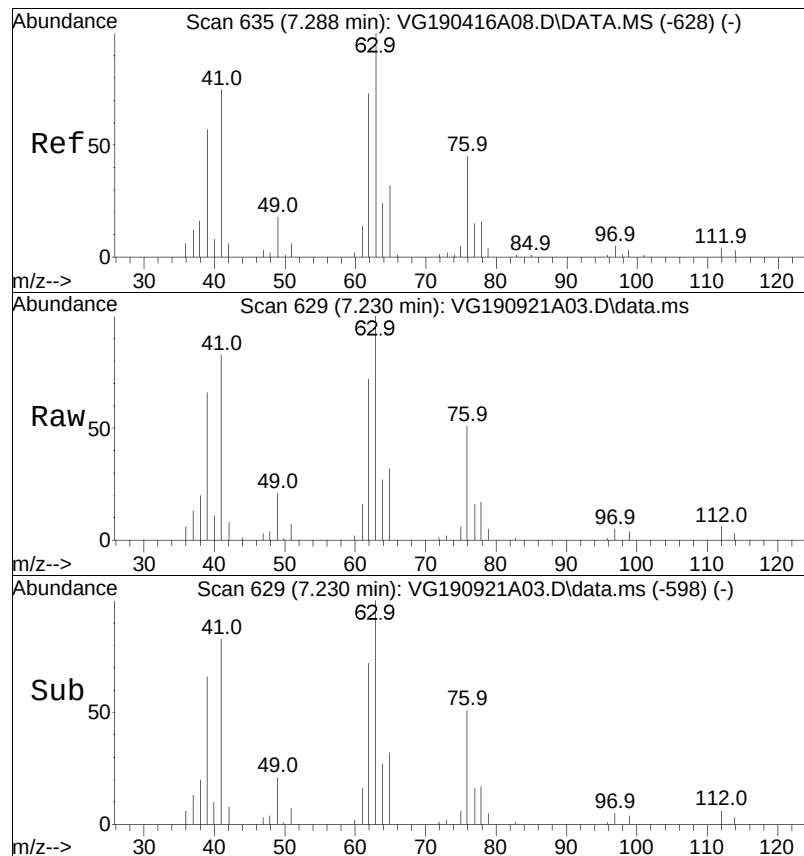




#50
 Dibromomethane
 Concen: 9.72 ug/L
 RT: 7.122 min Scan# 618
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

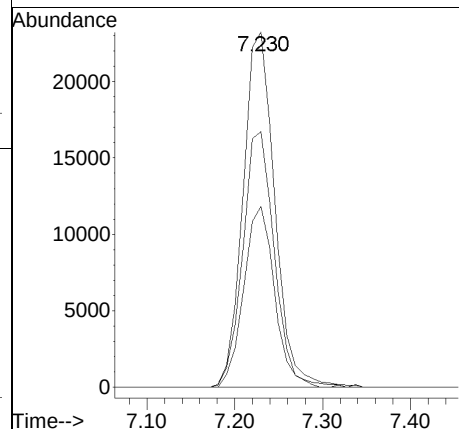
Tgt Ion:	93	Resp:	33533
Ion Ratio	Lower	Upper	
93	100		
95	81.5	66.6	100.0
174	135.9	90.5	135.7#

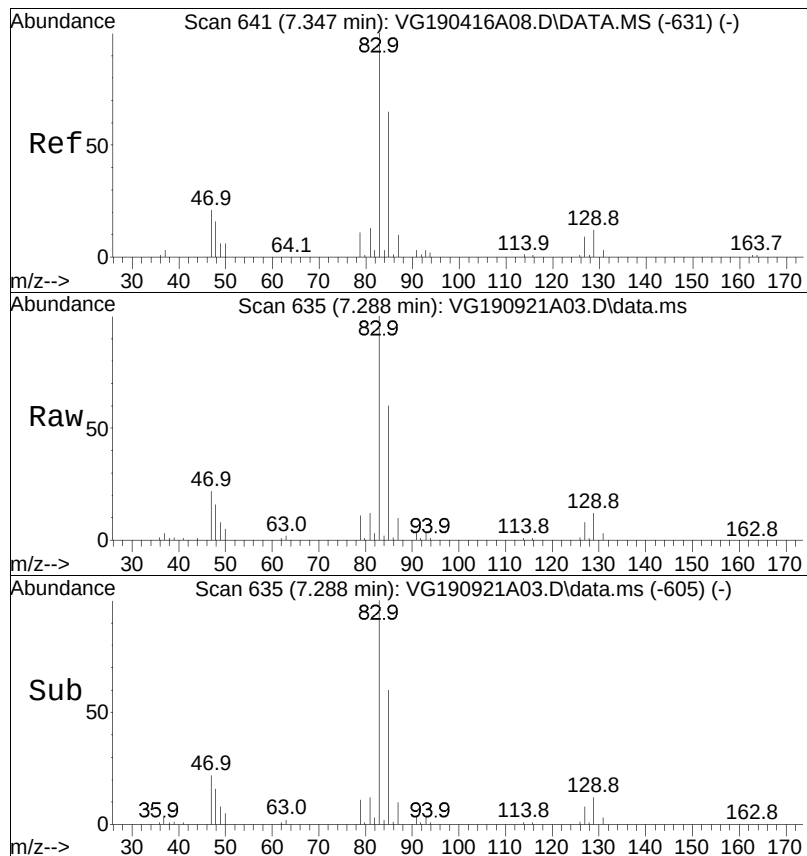




#51
 1,2-Dichloropropane
 Concen: 9.24 ug/L
 RT: 7.230 min Scan# 629
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

Tgt	Ion: 63	Resp:	58474
Ion	Ratio	Lower	Upper
63	100		
62	71.8	56.5	84.7
76	49.4	34.6	52.0





#54

Bromodichloromethane

Concen: 10.03 ug/L

RT: 7.288 min Scan# 635

Delta R.T. -0.010 min

Lab File: VG190921A03.D

Acq: 21 Sep 2019 8:59

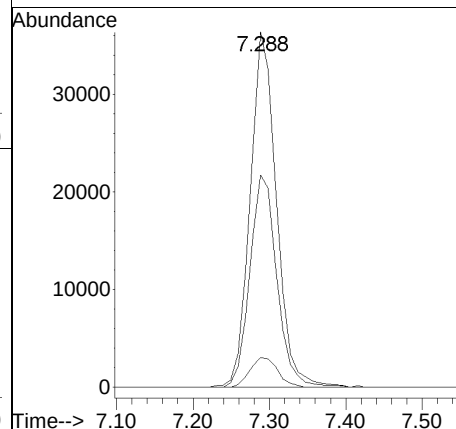
Tgt Ion: 83 Resp: 87300

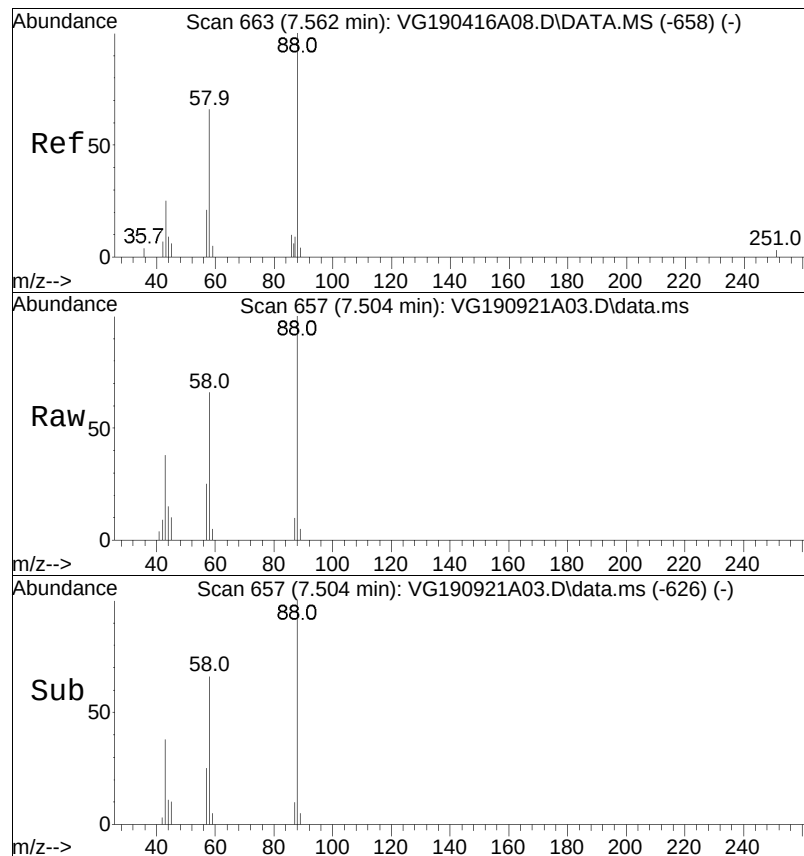
Ion Ratio Lower Upper

83 100

85 61.4 50.8 76.2

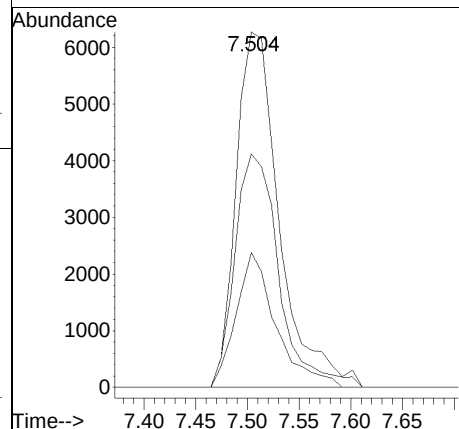
127 8.9 7.4 11.2

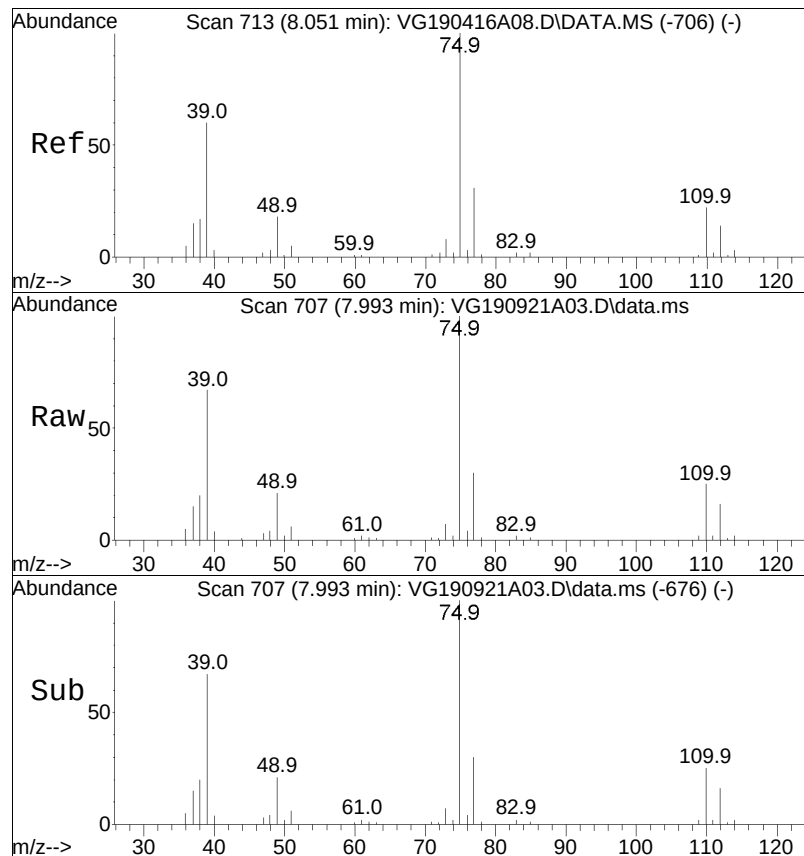




#57
 1,4-Dioxane
 Concen: 490.48 ug/L
 RT: 7.504 min Scan# 657
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

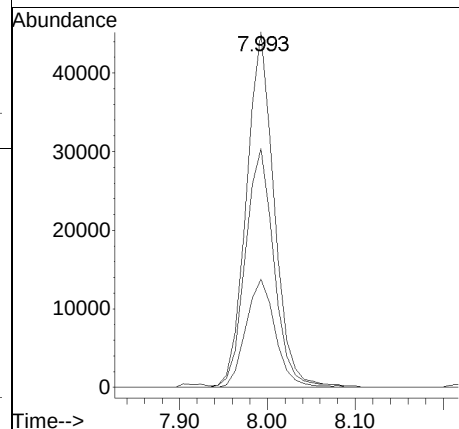
Tgt Ion: 88	Resp: 18303
Ion Ratio	Lower Upper
88 100	
58 66.8	48.7 73.1
43 35.1	22.4 33.6#

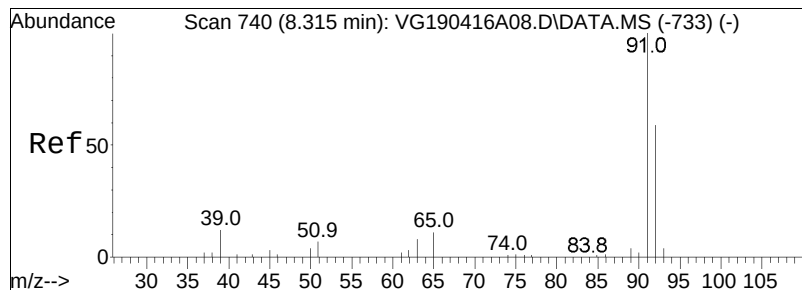




#58
 cis-1,3-Dichloropropene
 Concen: 9.76 ug/L
 RT: 7.993 min Scan# 707
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

Tgt Ion:	75	Resp:	99706
Ion Ratio	Lower	Upper	
75	100		
77	32.1	24.6	36.8
39	69.3	40.8	61.2#





#61

Toluene

Concen: 9.52 ug/L

RT: 8.257 min Scan# 734

Delta R.T. -0.010 min

Lab File: VG190921A03.D

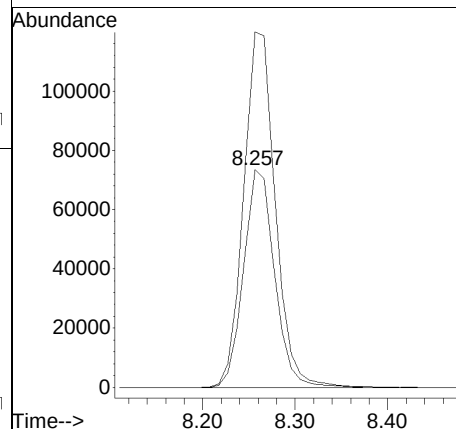
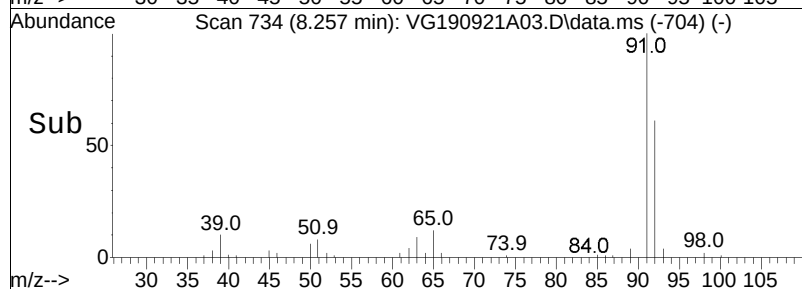
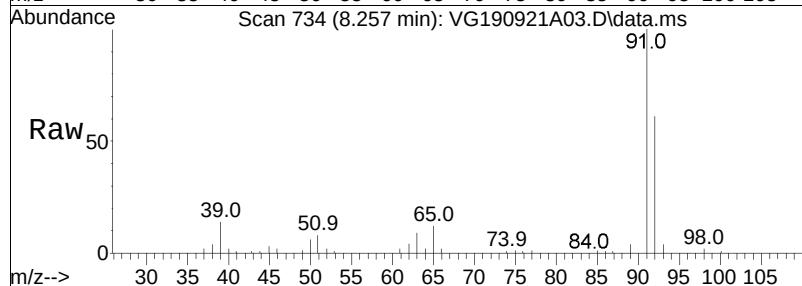
Acq: 21 Sep 2019 8:59

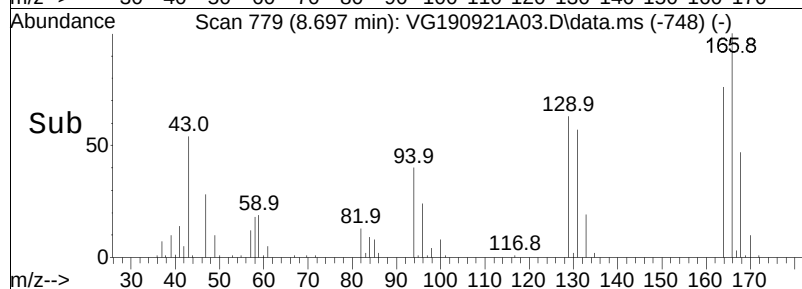
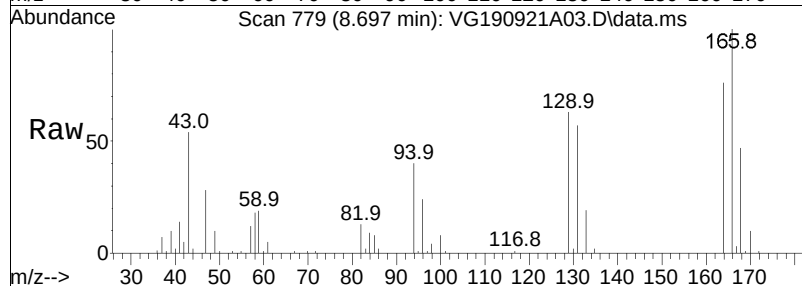
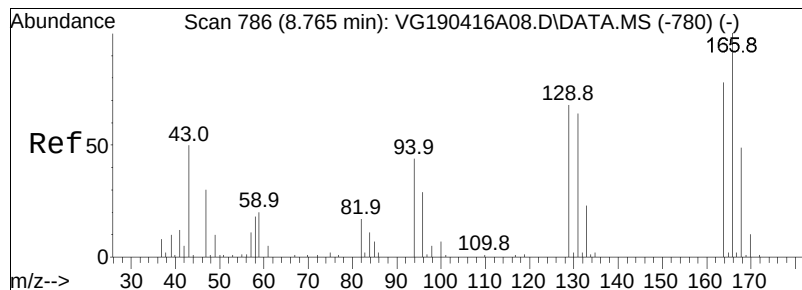
Tgt Ion: 92 Resp: 171091

Ion Ratio Lower Upper

92 100

91 166.7 134.8 202.2





#62

4-Methyl-2-pentanone

Concen: 9.57 ug/L

RT: 8.697 min Scan# 779

Delta R.T. 0.000 min

Lab File: VG190921A03.D

Acq: 21 Sep 2019 8:59

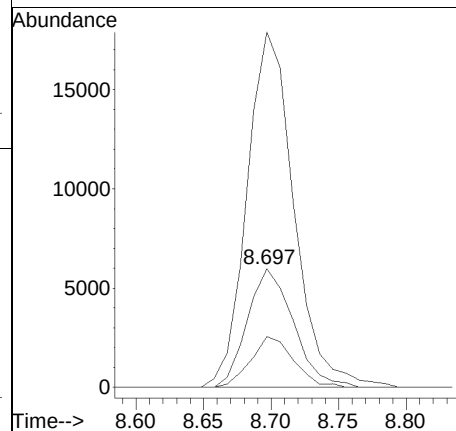
Tgt Ion: 58 Resp: 14202

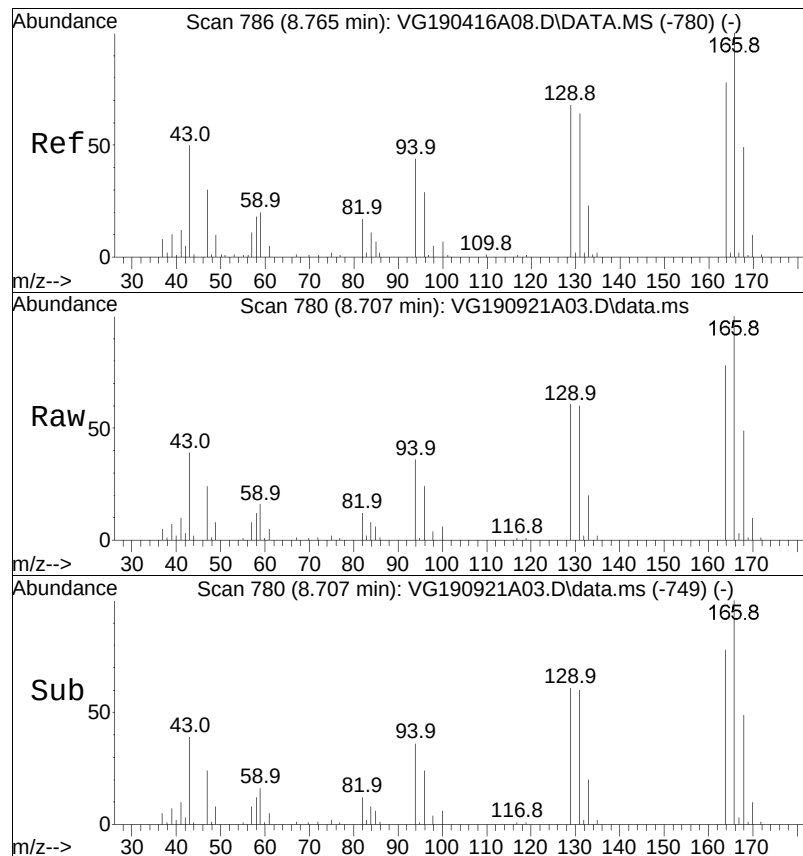
Ion Ratio Lower Upper

58 100

100 40.1 33.6 50.4

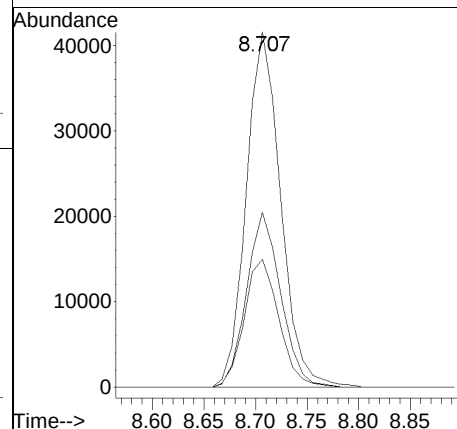
43 305.2 204.3 306.5

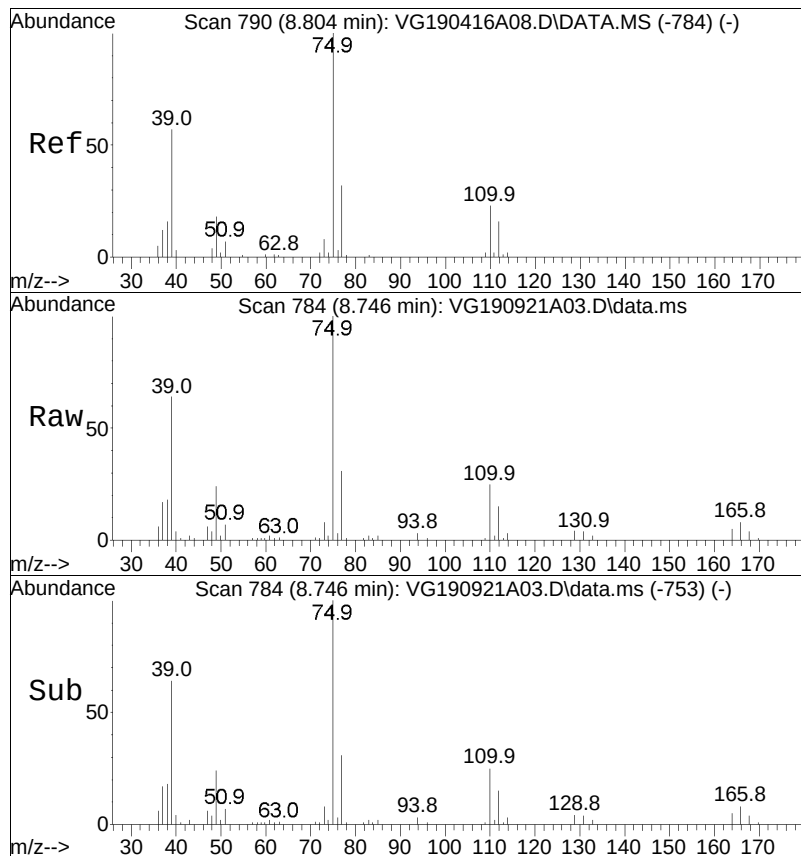




#63
 Tetrachloroethene
 Concen: 9.58 ug/L
 RT: 8.707 min Scan# 780
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

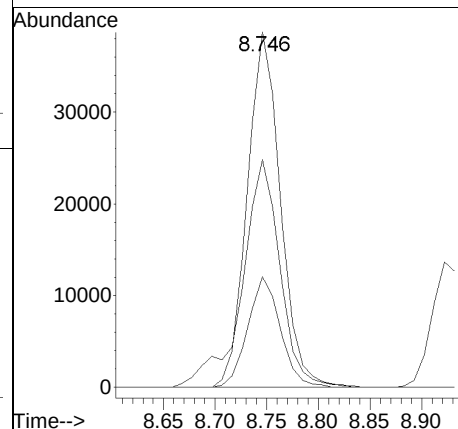
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	96503		
168	49.0		27.3	67.3
94	36.5		20.5	60.5

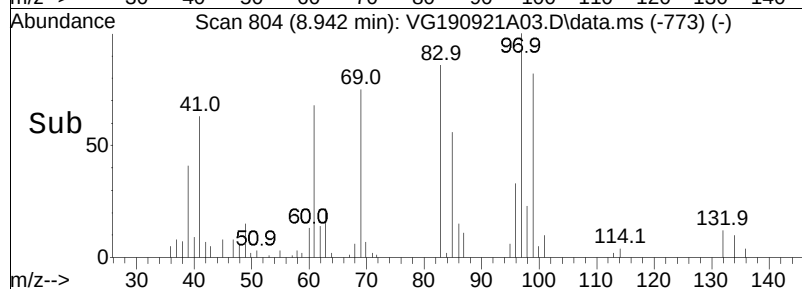
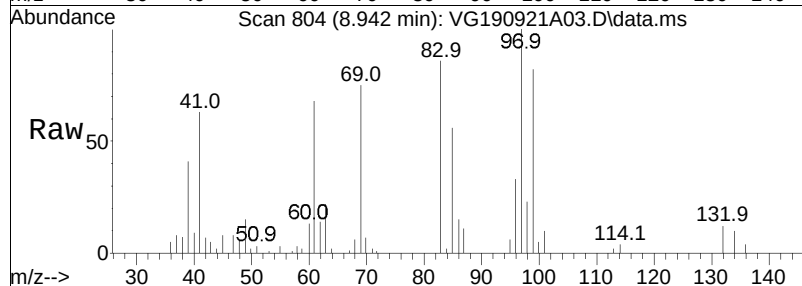
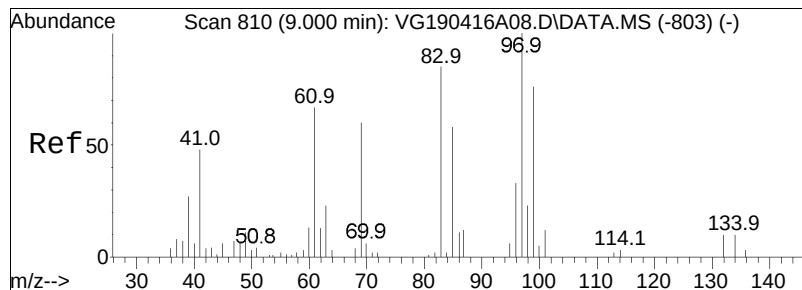




#65
trans-1,3-Dichloropropene
Concen: 9.74 ug/L
RT: 8.746 min Scan# 784
Delta R.T. 0.000 min
Lab File: VG190921A03.D
Acq: 21 Sep 2019 8:59

Tgt Ion:	75	Resp:	86667
Ion Ratio	Lower	Upper	
75	100		
77	30.6	11.3	51.3
39	73.3	36.0	76.0





#68

1,1,2-Trichloroethane

Concen: 9.18 ug/L

RT: 8.942 min Scan# 804

Delta R.T. 0.000 min

Lab File: VG190921A03.D

Acq: 21 Sep 2019 8:59

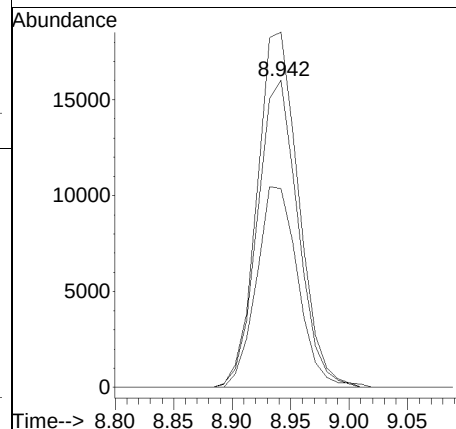
Tgt Ion: 83 Resp: 38613

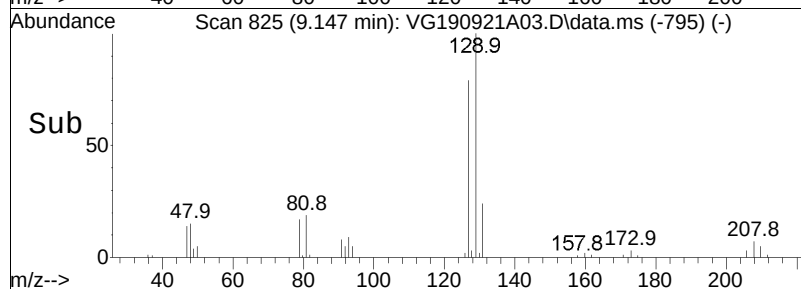
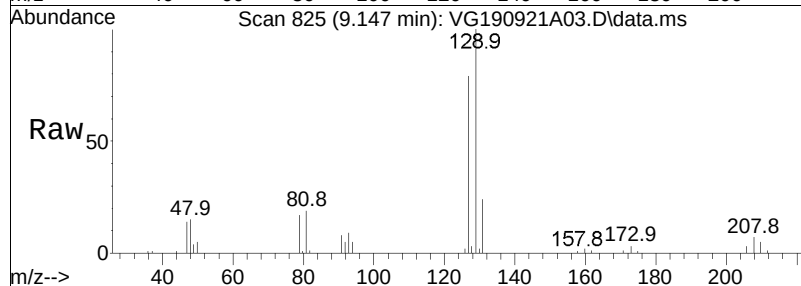
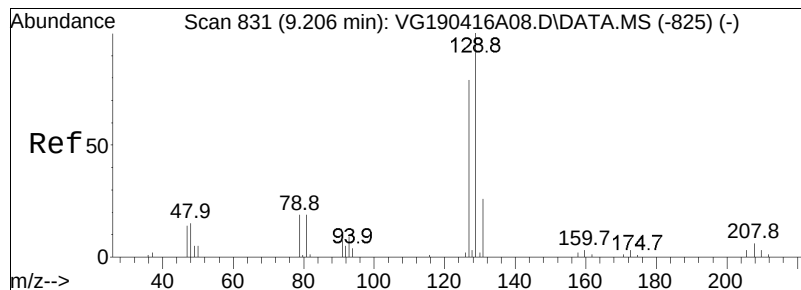
Ion Ratio Lower Upper

83 100

97 118.8 101.0 141.0

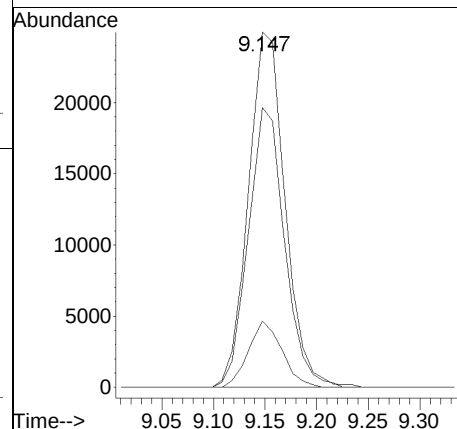
85 66.7 47.9 87.9

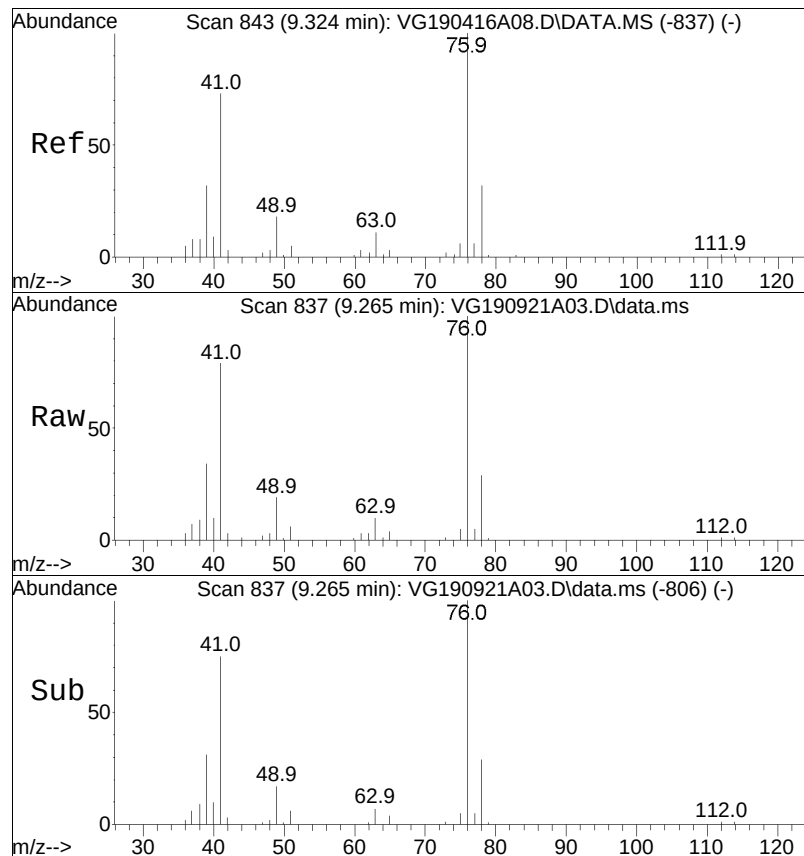




#69
 Chlorodibromomethane
 Concen: 9.44 ug/L
 RT: 9.147 min Scan# 825
 Delta R.T. -0.010 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

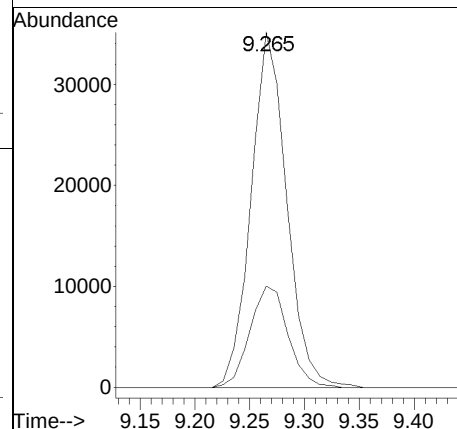
Tgt Ion	Ratio	Lower	Upper
129	100		
81	17.1	0.0	35.0
127	77.8	57.1	97.1

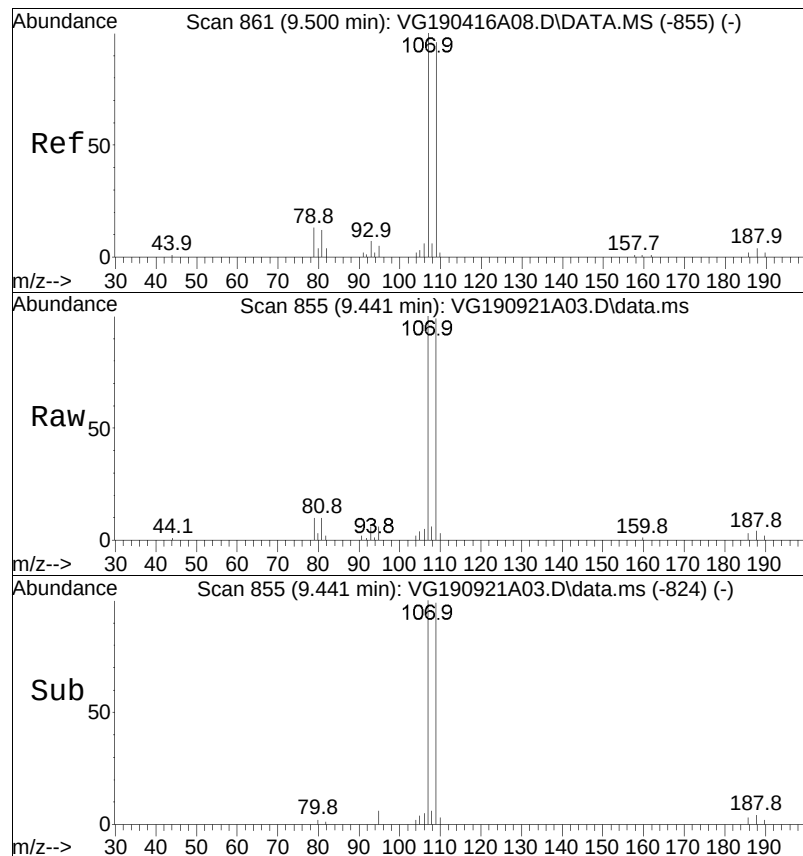




#70
 1,3-Dichloropropane
 Concen: 9.37 ug/L
 RT: 9.265 min Scan# 837
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

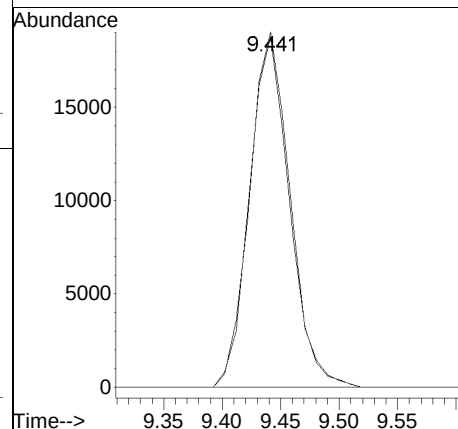
Tgt	Ion	Resp	Lower	Upper
76	100	79333		
78	30.4	25.4	38.2	

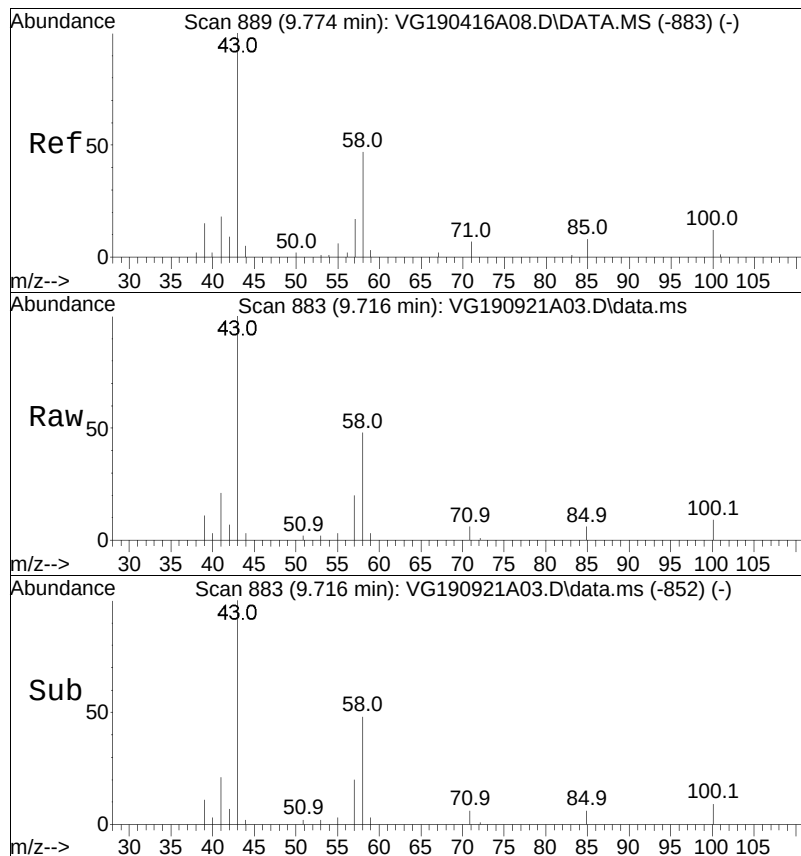




#71
 1,2-Dibromoethane
 Concen: 9.04 ug/L
 RT: 9.441 min Scan# 855
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

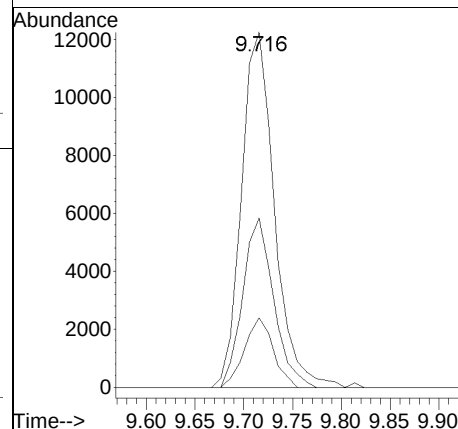
Tgt Ion	Ratio	Lower	Upper
107	100		
109	97.3	76.0	114.0

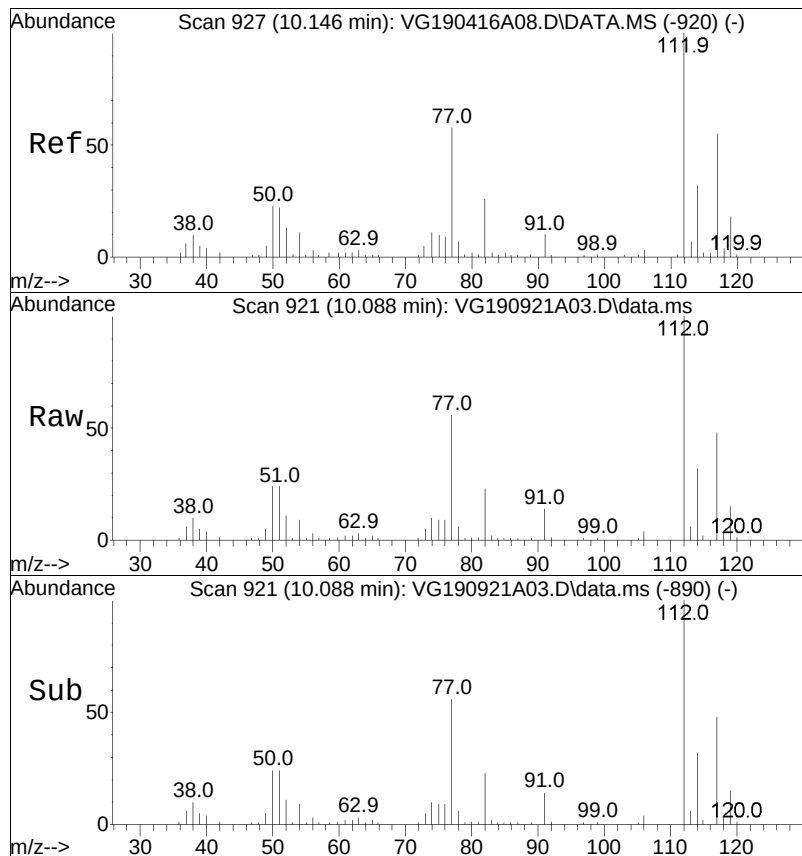




#72
 2-Hexanone
 Concen: 10.04 ug/L
 RT: 9.716 min Scan# 883
 Delta R.T. -0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

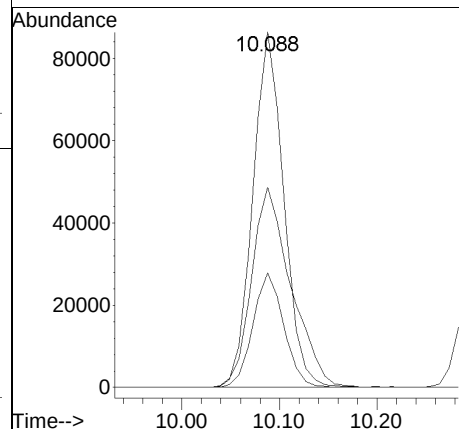
Tgt Ion:	43	Resp:	28812
Ion Ratio	Lower	Upper	
43	100		
58	44.7	43.8	65.6
57	17.1	15.2	22.8

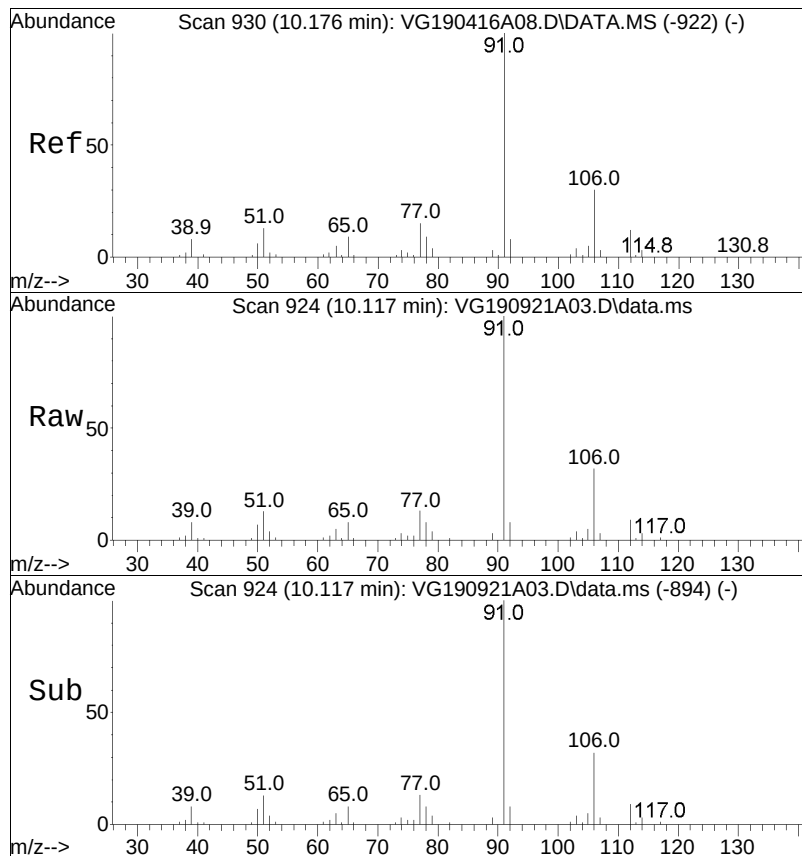




#73
 Chlorobenzene
 Concen: 9.70 ug/L
 RT: 10.088 min Scan# 921
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

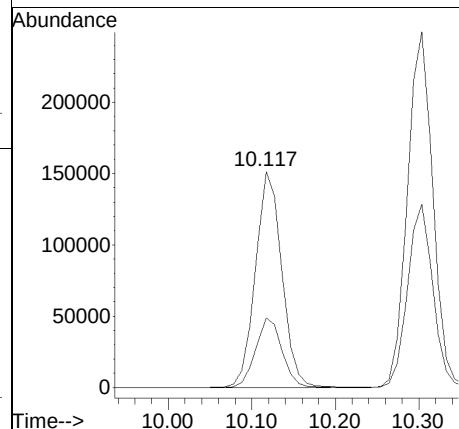
Tgt	Ion:112	Resp:	190445
Ion	Ratio	Lower	Upper
112	100		
77	72.0	55.9	83.9
114	32.2	25.4	38.0

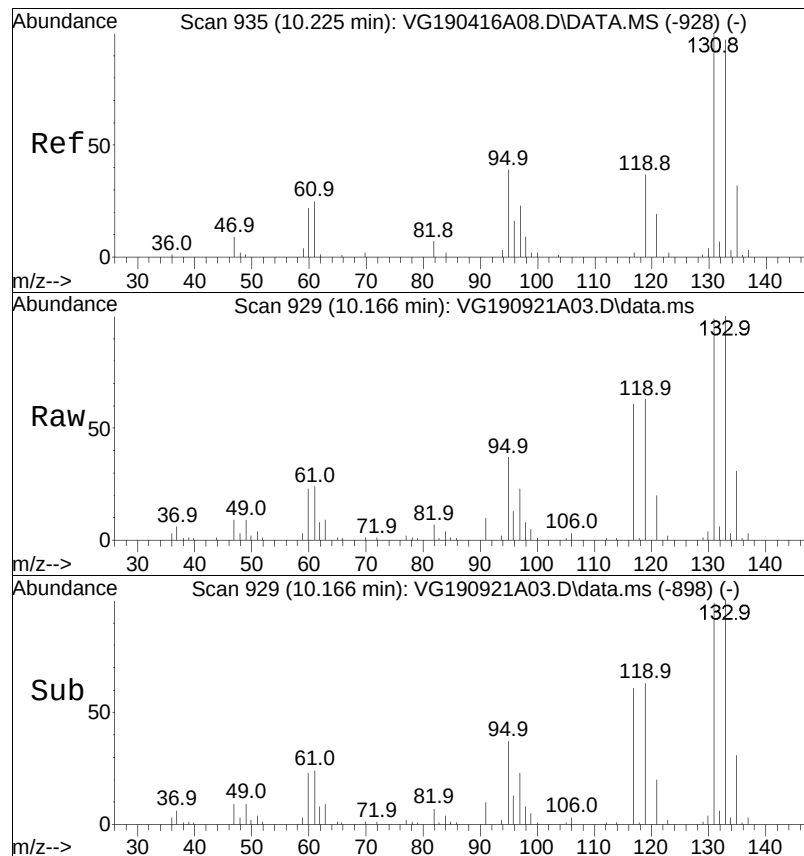




#74
 Ethylbenzene
 Concen: 9.52 ug/L
 RT: 10.117 min Scan# 924
 Delta R.T. -0.010 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

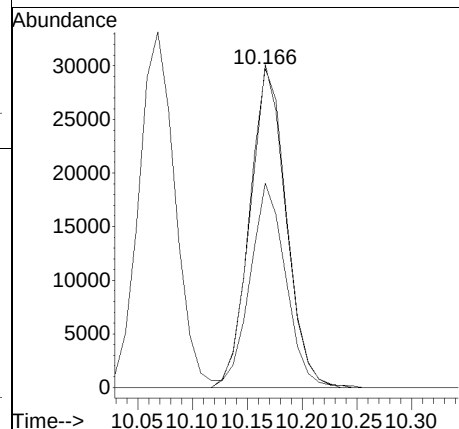
Tgt Ion:	91	Resp:	332420
Ion Ratio	Lower	Upper	
91	100		
106	31.9	25.3	37.9

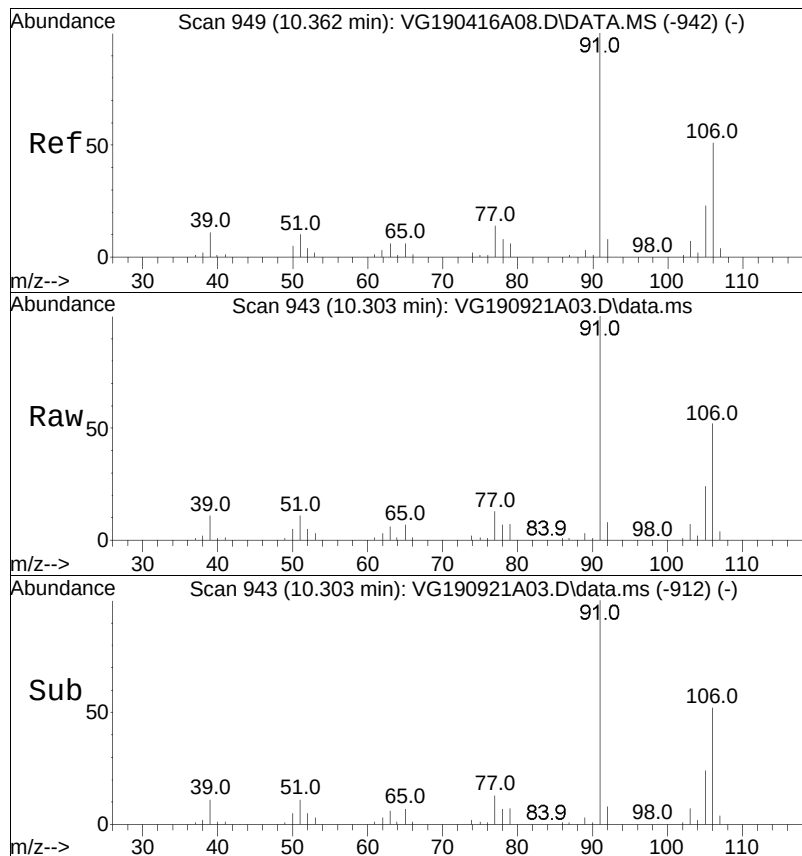




#75
 1,1,1,2-Tetrachloroethane
 Concen: 9.54 ug/L
 RT: 10.166 min Scan# 929
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

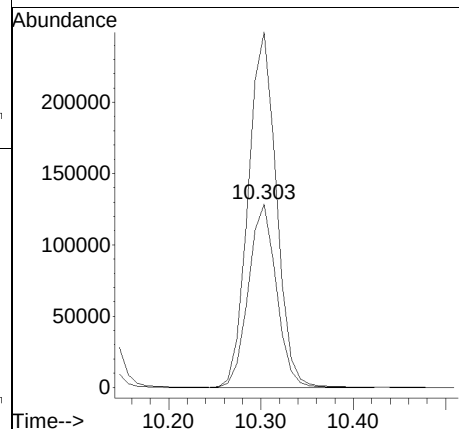
Tgt Ion:	131	Resp:	69751
Ion Ratio	Lower	Upper	
131	100		
133	97.5	77.3	117.3
119	61.6	42.7	82.7

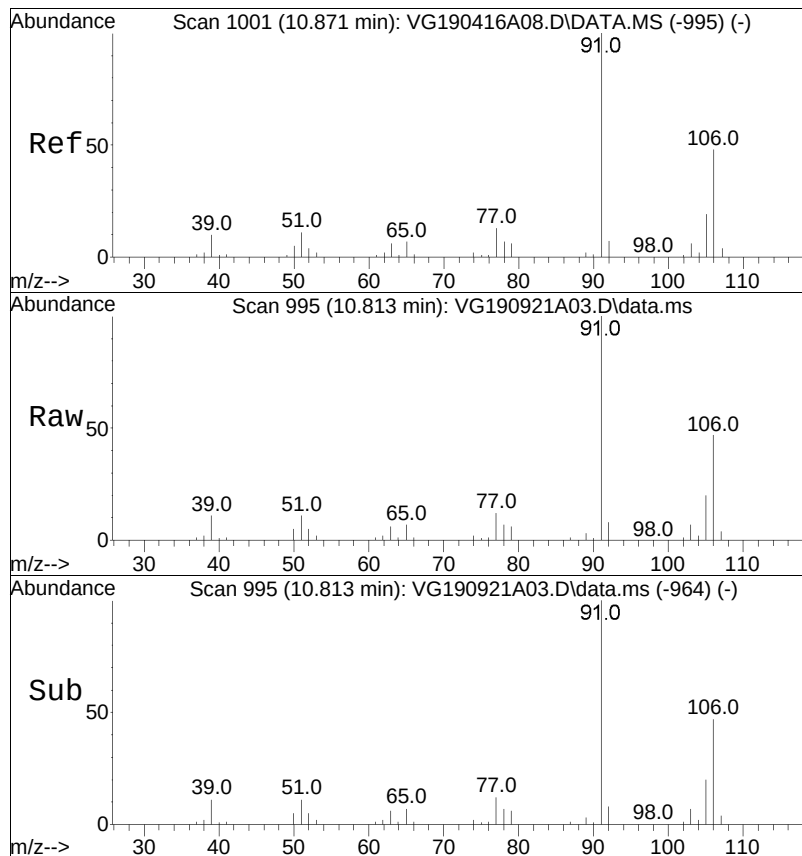




#76
 p/m Xylene
 Concen: 19.91 ug/L
 RT: 10.303 min Scan# 943
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

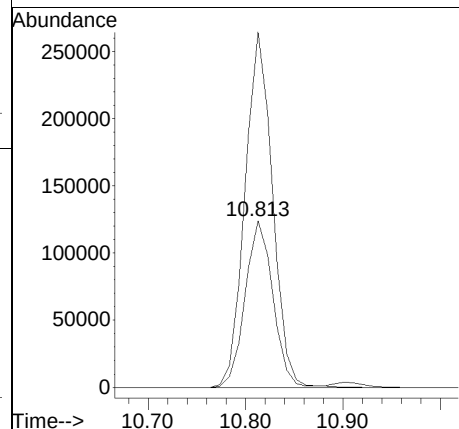
Tgt Ion	Ratio	Lower	Upper
106	100		
91	195.5	157.1	235.7

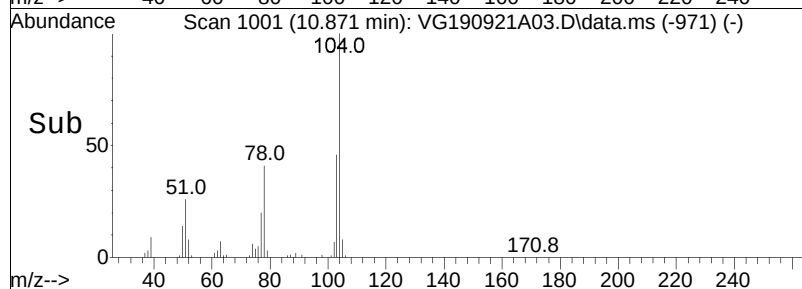
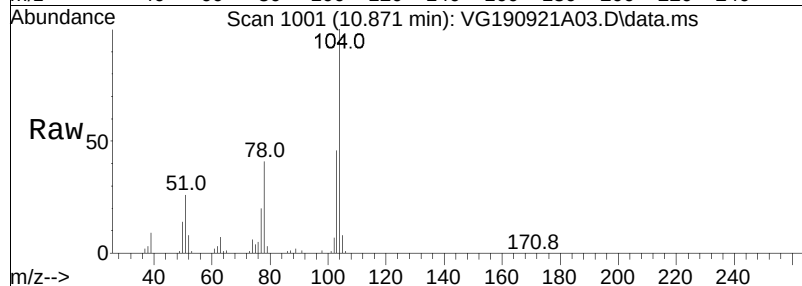
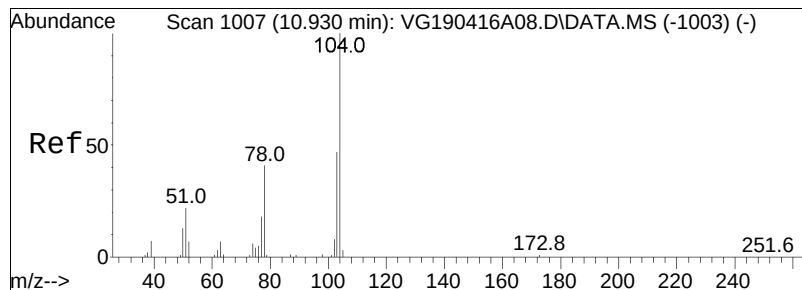




#77
 o Xylene
 Concen: 19.33 ug/L
 RT: 10.813 min Scan# 995
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

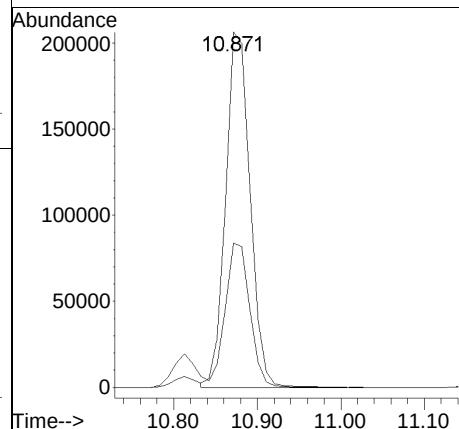
Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.4	164.7	247.1

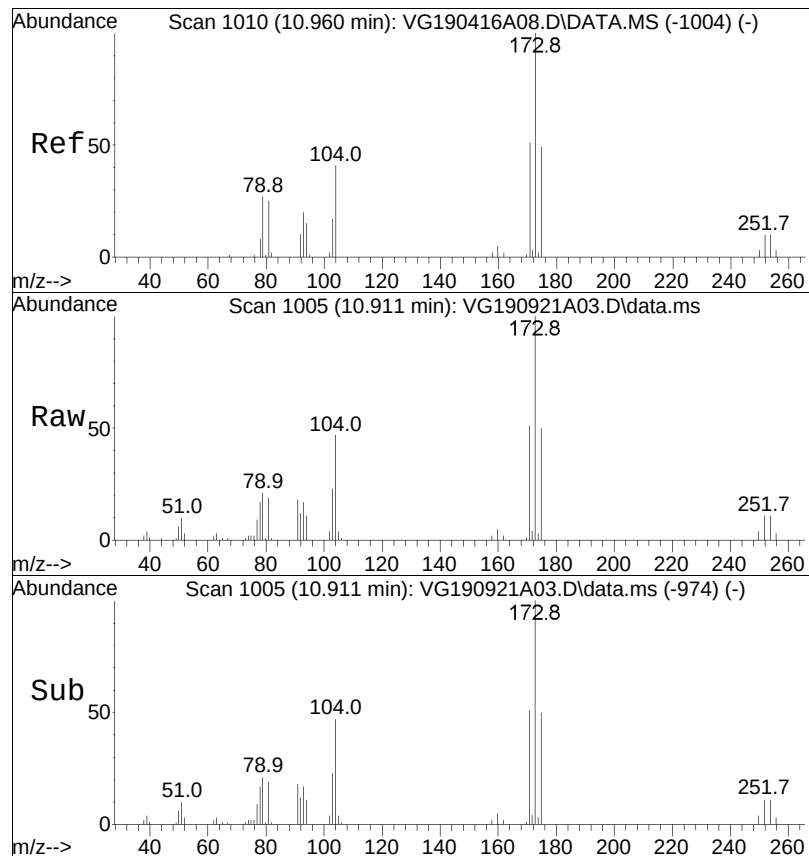




#78
 Styrene
 Concen: 20.18 ug/L
 RT: 10.871 min Scan# 1001
 Delta R.T. -0.010 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

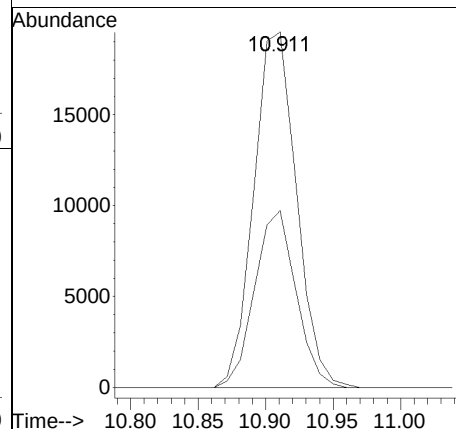
Tgt Ion	Ratio	Lower	Upper
104	100		
78	40.7	32.2	48.4

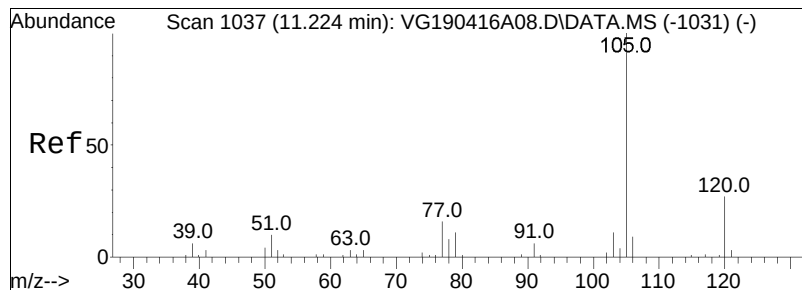




#80
 Bromoform
 Concen: 8.87 ug/L
 RT: 10.911 min Scan# 1005
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

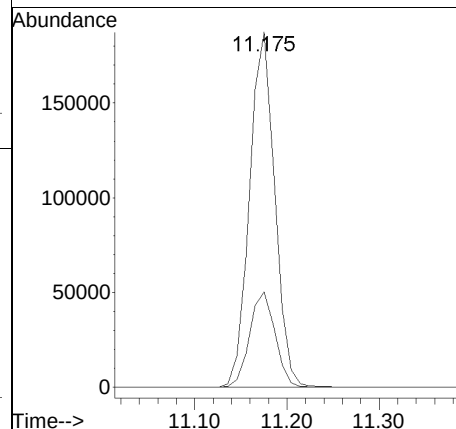
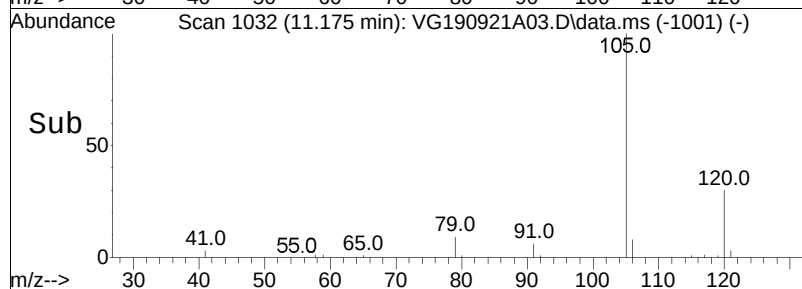
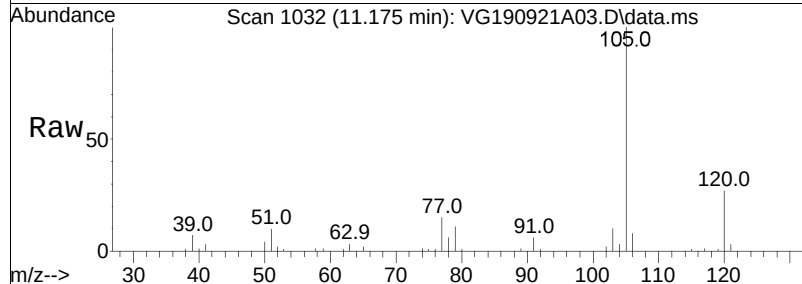
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.2	28.0	68.0

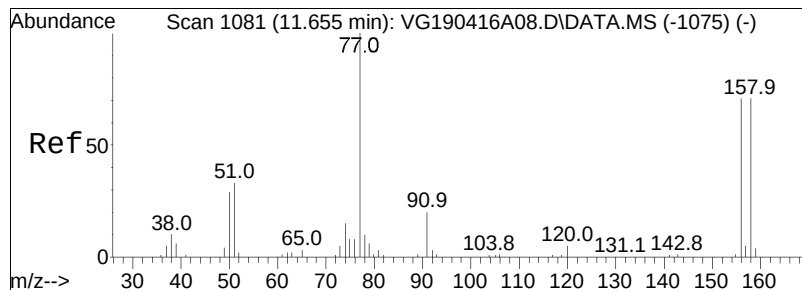




#82
Isopropylbenzene
Concen: 9.98 ug/L
RT: 11.175 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VG190921A03.D
Acq: 21 Sep 2019 8:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	7.0	47.0





#84

Bromobenzene

Concen: 9.66 ug/L

RT: 11.596 min Scan# 1075

Delta R.T. -0.010 min

Lab File: VG190921A03.D

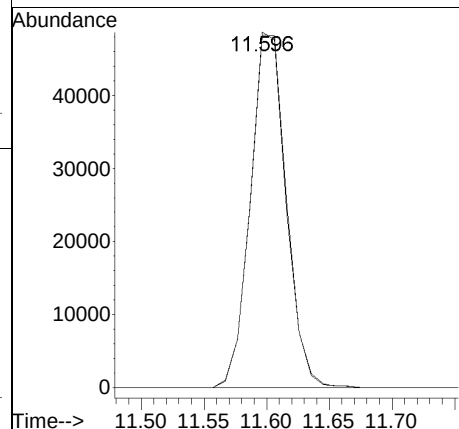
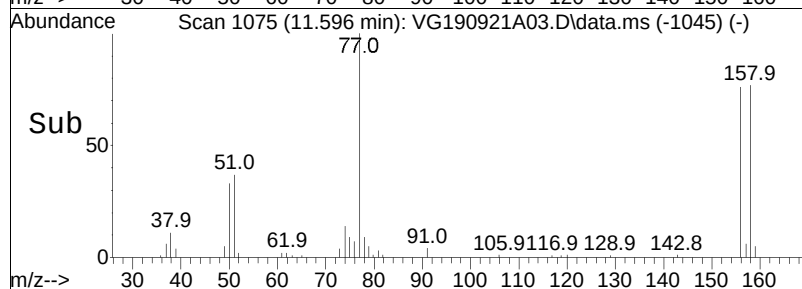
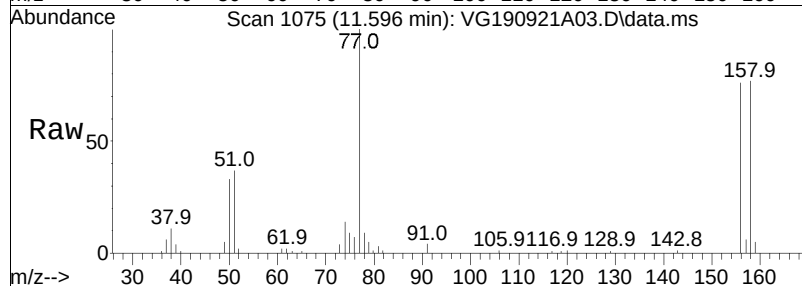
Acq: 21 Sep 2019 8:59

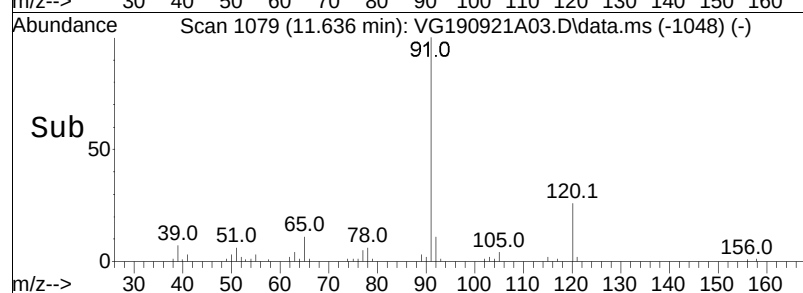
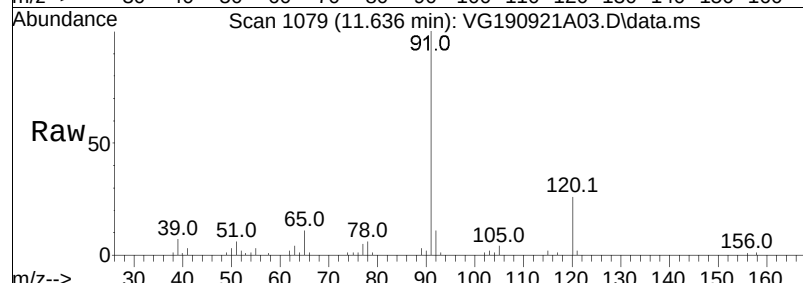
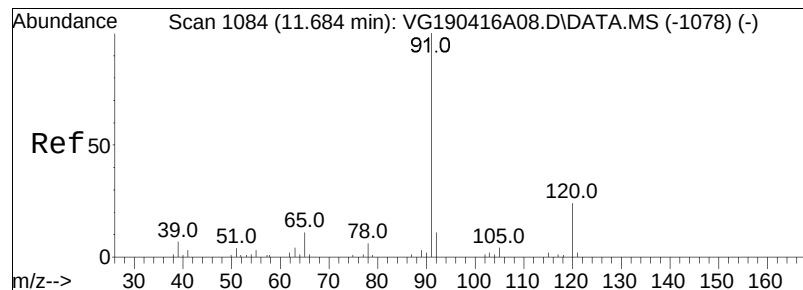
Tgt Ion:156 Resp: 96301

Ion Ratio Lower Upper

156 100

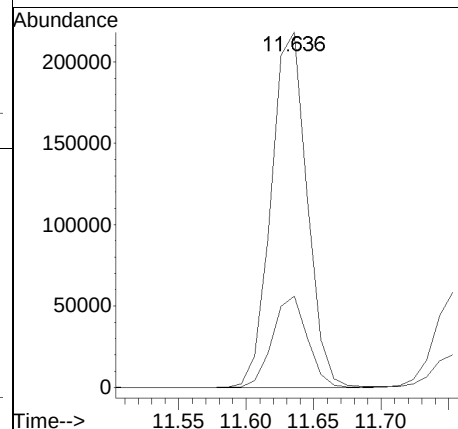
158 99.6 76.9 115.3

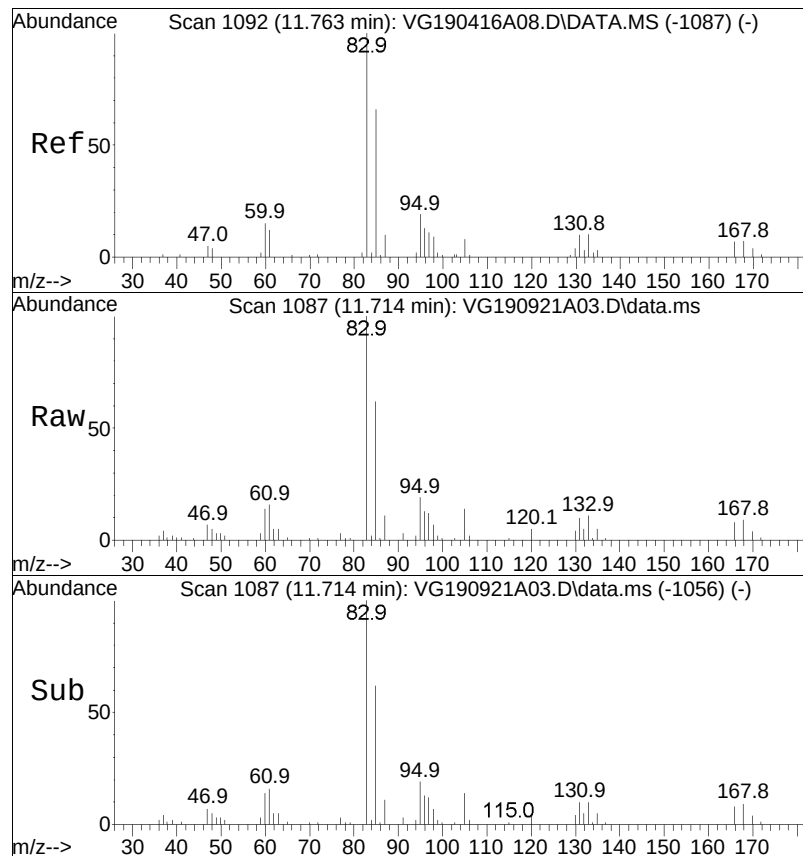




#85
 n-Propylbenzene
 Concen: 9.66 ug/L
 RT: 11.636 min Scan# 1079
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

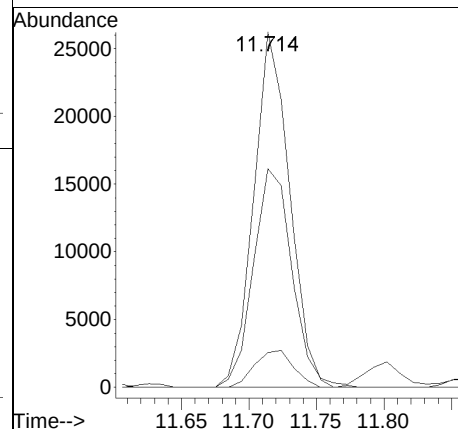
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.9	19.0	28.6

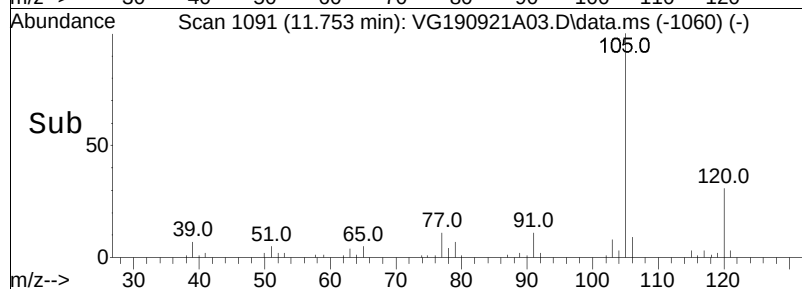
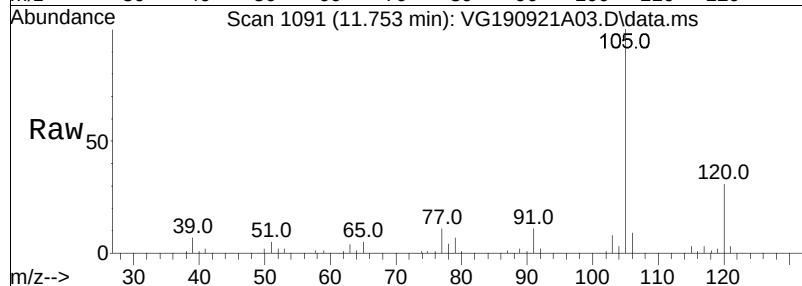
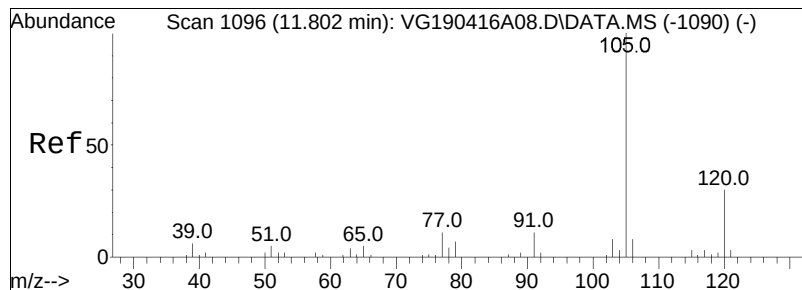




#87
 1,1,2,2-Tetrachloroethane
 Concen: 9.05 ug/L
 RT: 11.714 min Scan# 1087
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

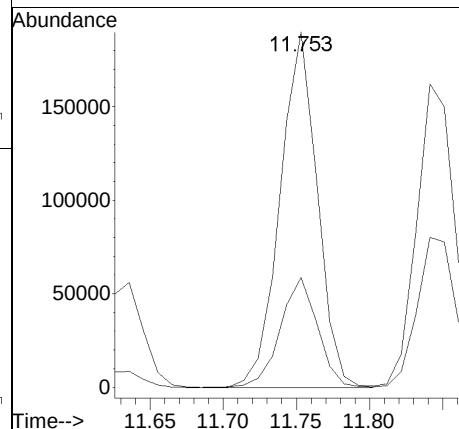
Tgt Ion:	83	Resp:	48540
Ion Ratio	Lower	Upper	
83	100		
131	11.3	0.0	31.0
85	66.5	43.9	83.9

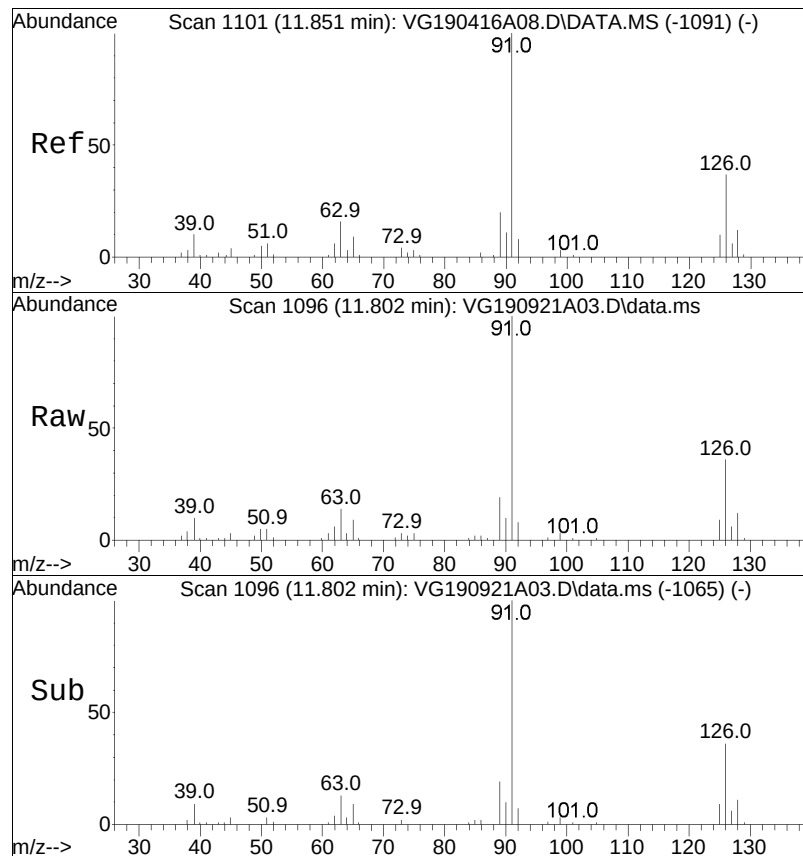




#88
 4-Ethyltoluene
 Concen: 10.04 ug/L
 RT: 11.753 min Scan# 1091
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

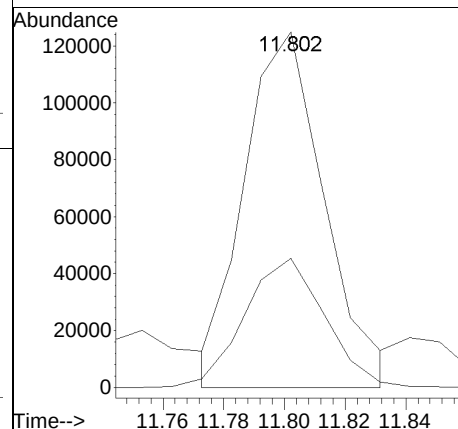
Tgt	Ion	Ratio	Lower	Upper
105	100			
120	31.0	19.9	41.3	

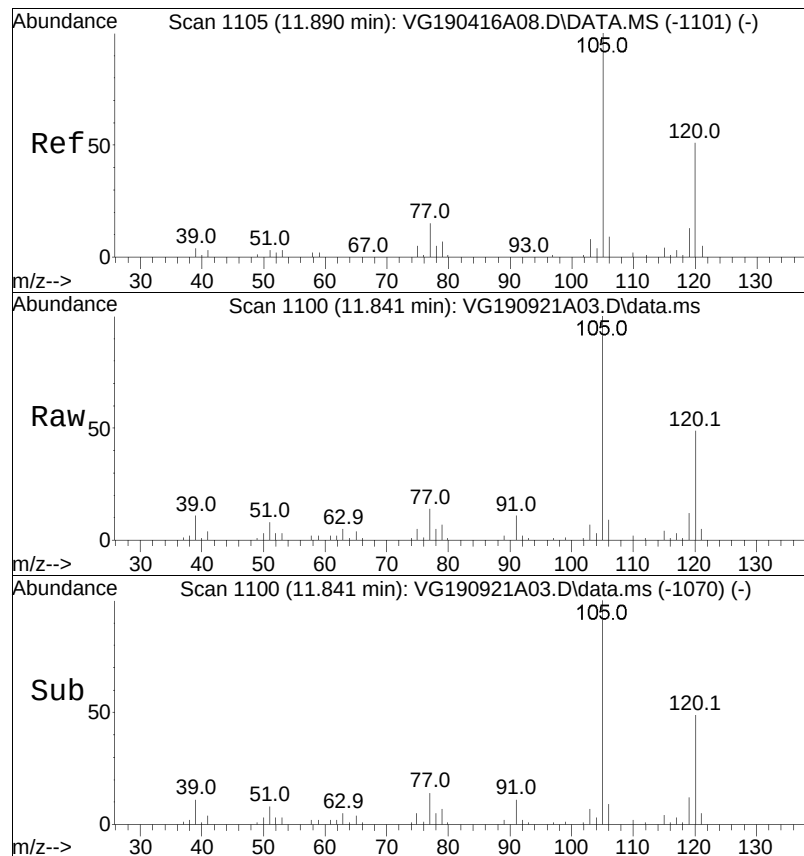




#89
 2-Chlorotoluene
 Concen: 9.76 ug/L M1
 RT: 11.802 min Scan# 1096
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

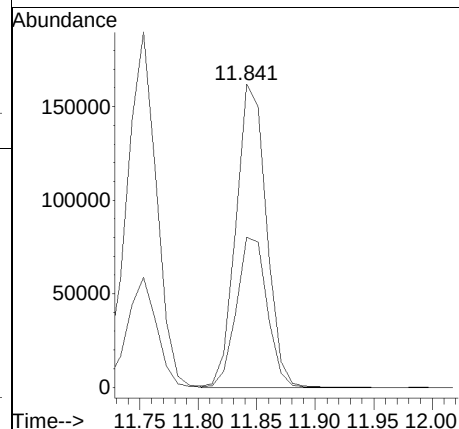
Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.5	27.4	41.2

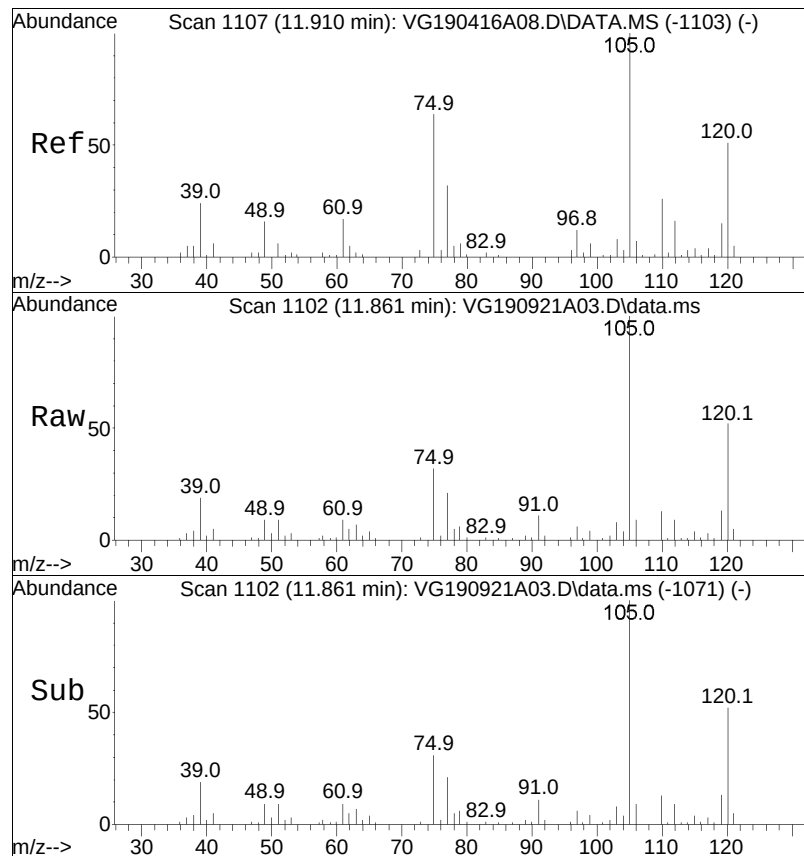




#90
 1,3,5-Trimethylbenzene
 Concen: 9.96 ug/L
 RT: 11.841 min Scan# 1100
 Delta R.T. -0.010 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

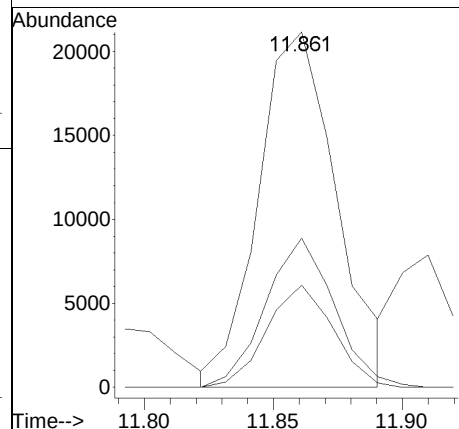
Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.1	40.3	60.5

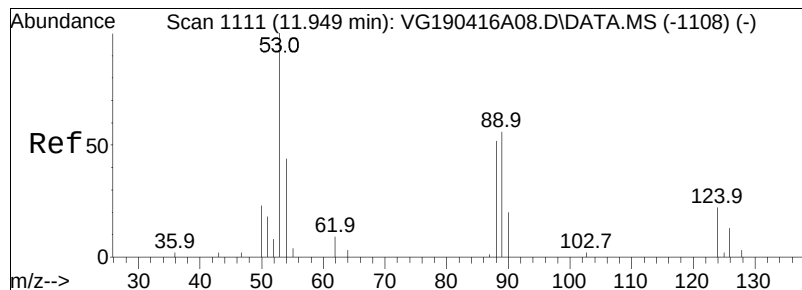




#91
 1,2,3-Trichloropropane
 Concen: 10.14 ug/L M1
 RT: 11.861 min Scan# 1102
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

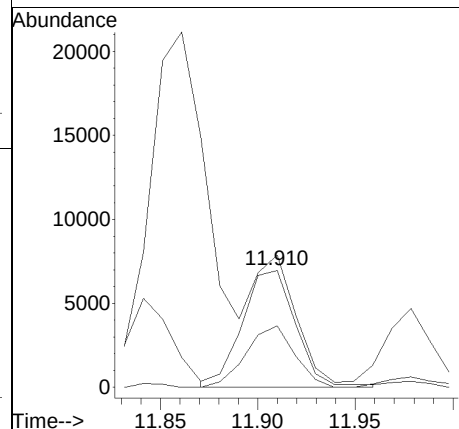
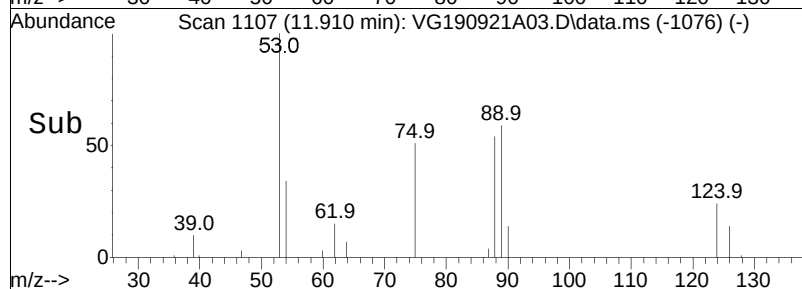
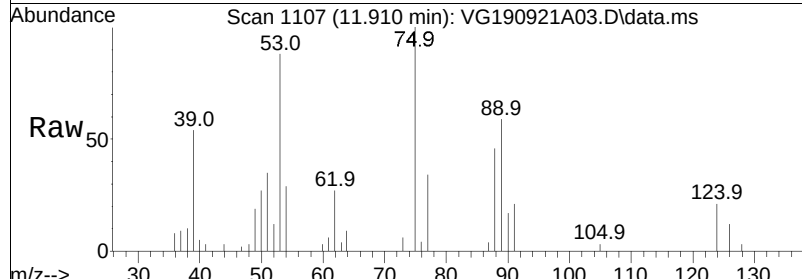
Tgt Ion:	75	Resp:	44751
Ion Ratio	Lower	Upper	
75	100		
110	36.8	23.5	48.9
112	24.5	15.9	32.9

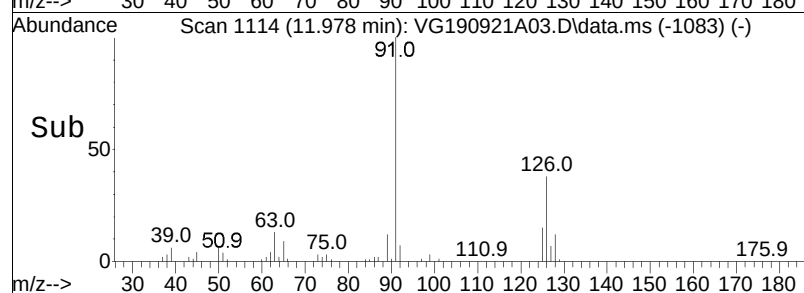
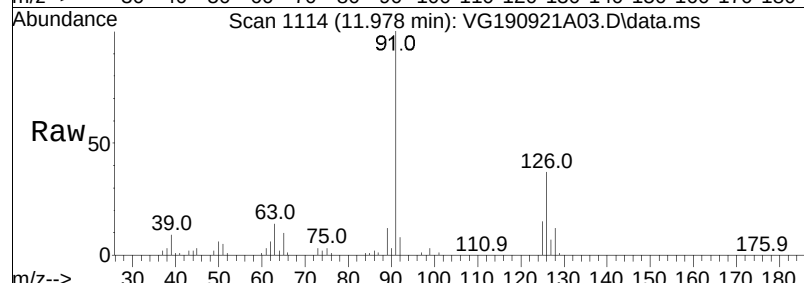
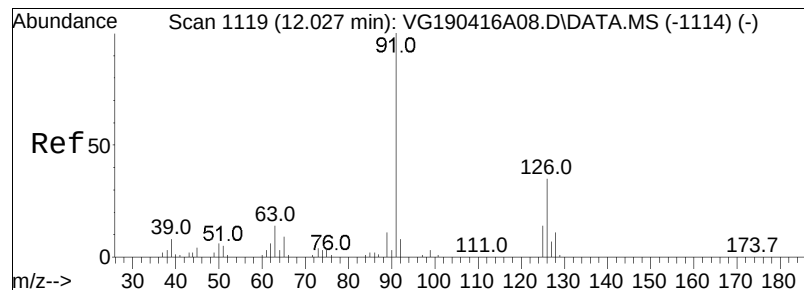




#92
 trans-1,4-Dichloro-2-butene
 Concen: 10.24 ug/L
 RT: 11.910 min Scan# 1107
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

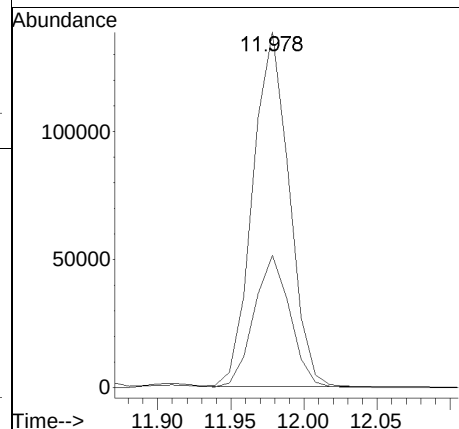
Tgt Ion:	53	Resp:	13310
Ion Ratio	Lower	Upper	
53	100		
88	47.7	41.6	62.4
75	90.1	0.0	0.0#

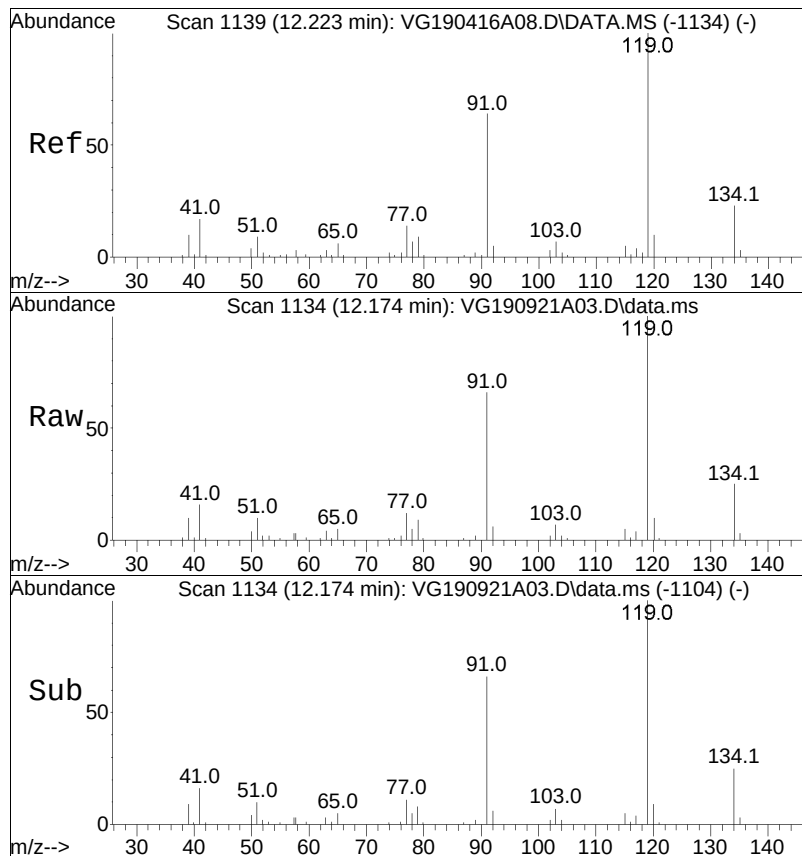




#93
 4-Chlorotoluene
 Concen: 9.69 ug/L
 RT: 11.978 min Scan# 1114
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

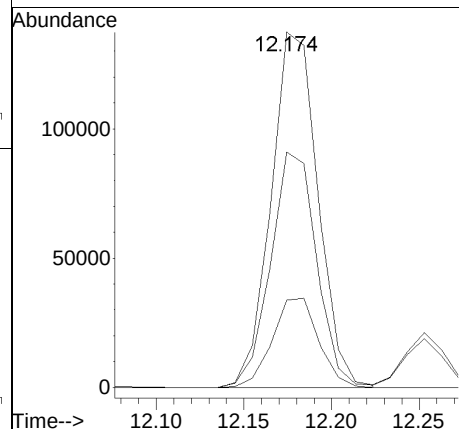
Tgt Ion:	91	126	Ratio	100	37.0	Resp:	239091	Lower	Upper

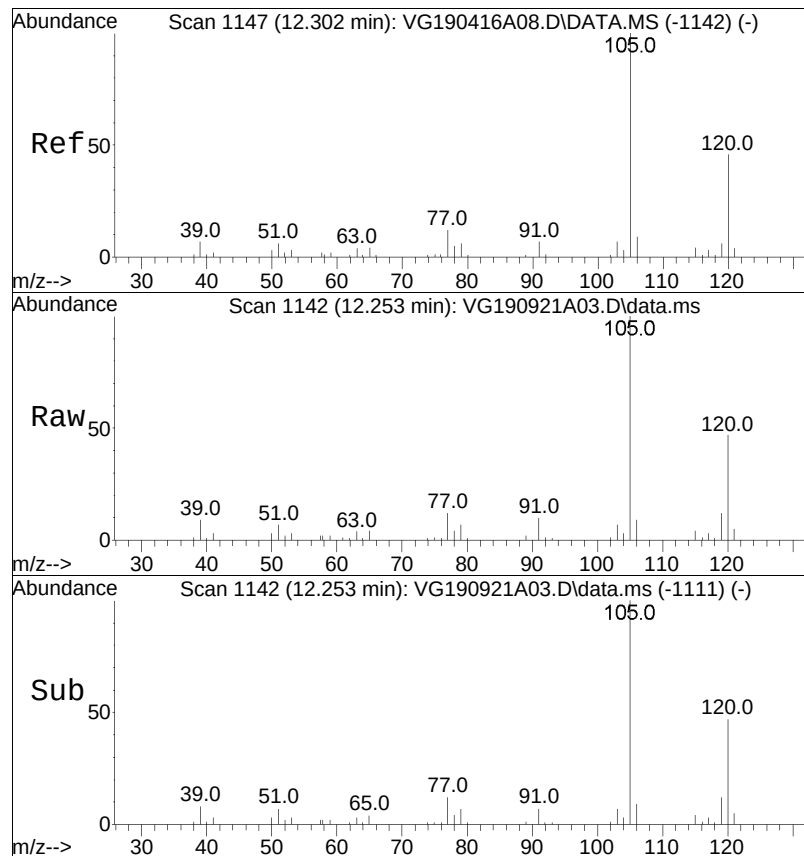




#94
 tert-Butylbenzene
 Concen: 9.72 ug/L
 RT: 12.174 min Scan# 1134
 Delta R.T. -0.010 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

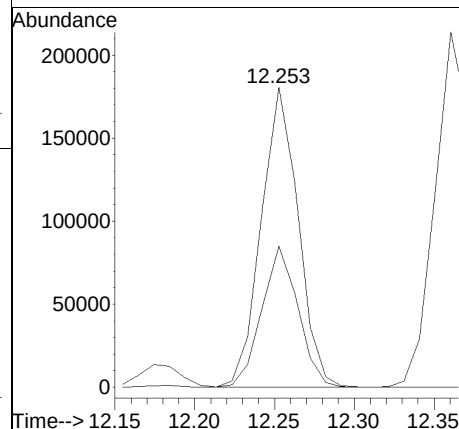
Tgt	Ion	Ratio	Resp	Lower	Upper
119	100		255384		
91	65.1	50.8		76.2	
134	24.8	20.2		30.4	

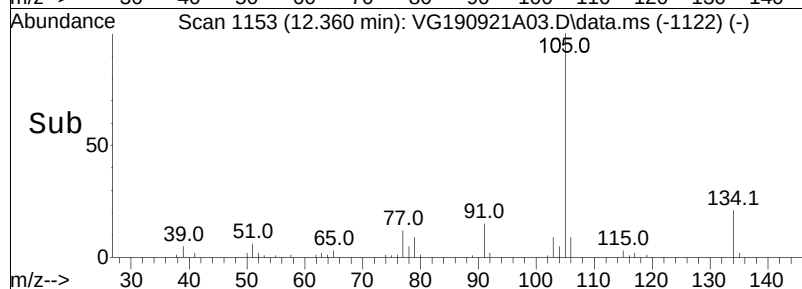
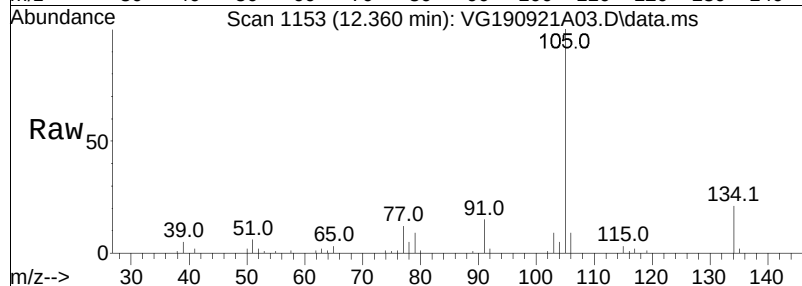
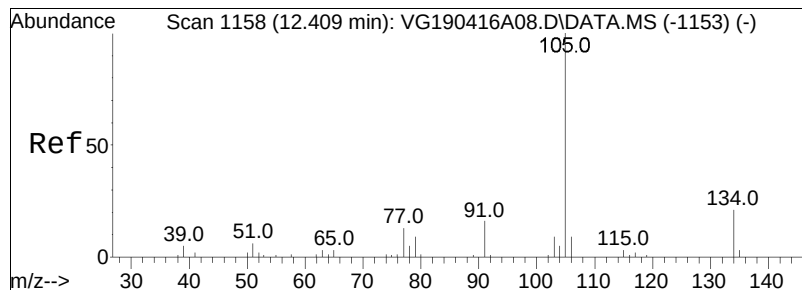




#97
 1,2,4-Trimethylbenzene
 Concen: 10.02 ug/L
 RT: 12.253 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

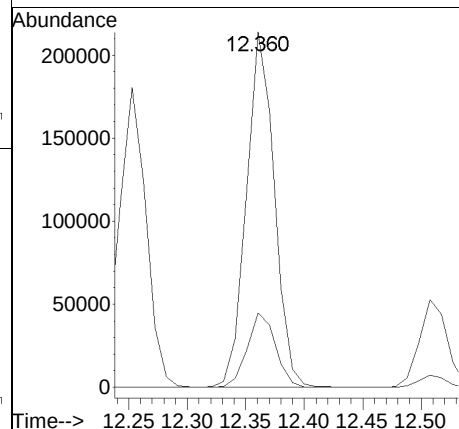
Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	37.8	56.6

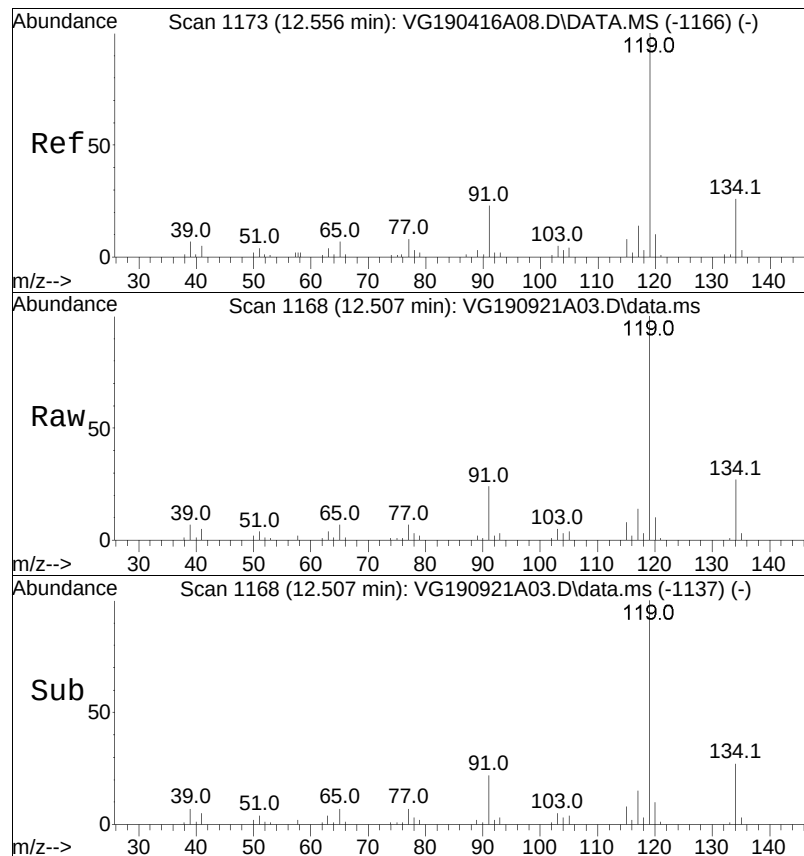




#98
 sec-Butylbenzene
 Concen: 10.11 ug/L
 RT: 12.360 min Scan# 1153
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

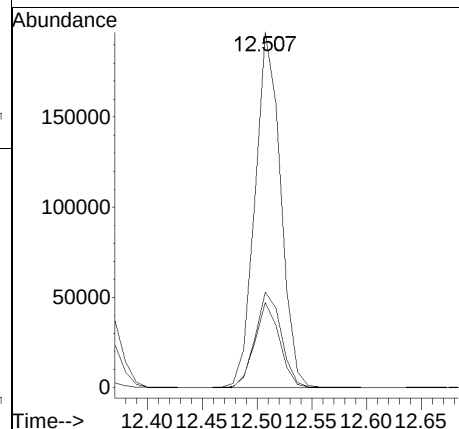
Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.2	13.3	27.7

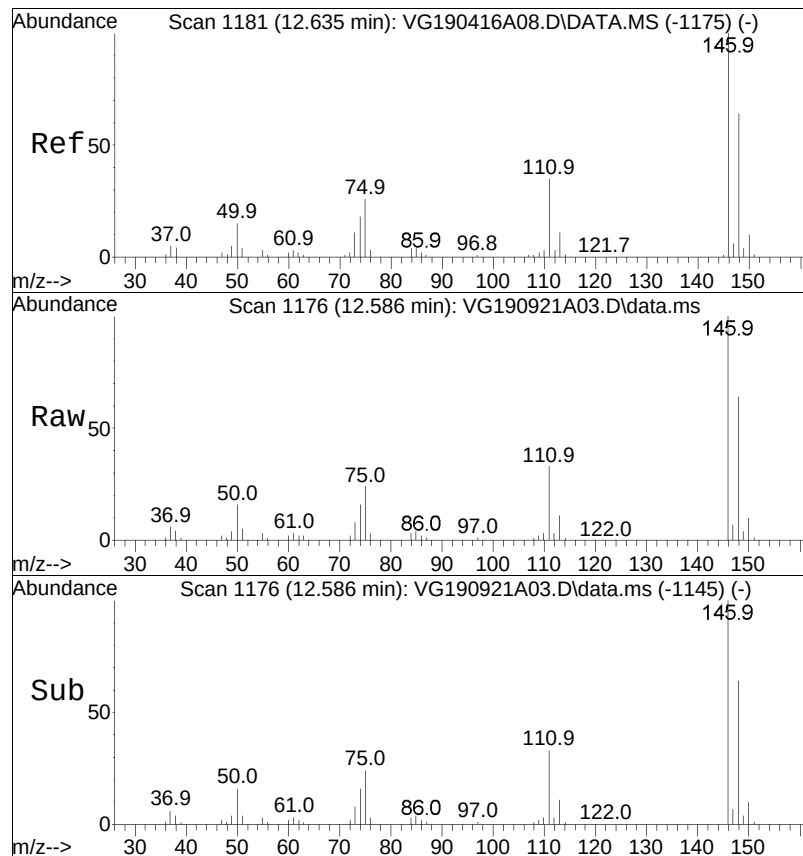




#99
 p-Isopropyltoluene
 Concen: 9.65 ug/L
 RT: 12.507 min Scan# 1168
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

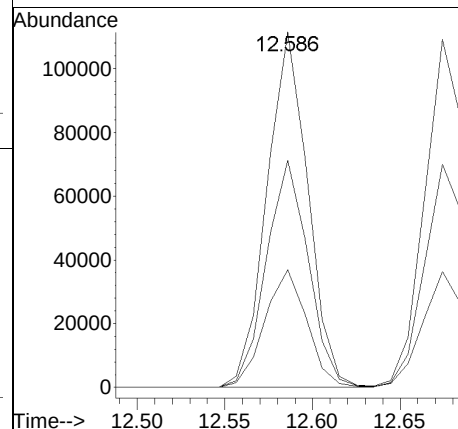
Tgt	Ion:119	Resp:	319960
Ion	Ratio	Lower	Upper
119	100		
134	27.1	17.5	36.3
91	23.1	14.6	30.4

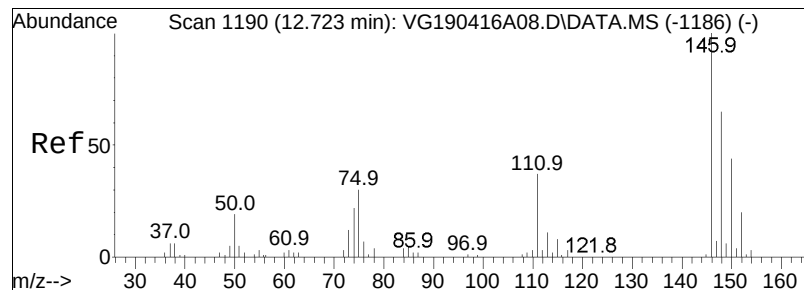




#100
 1,3-Dichlorobenzene
 Concen: 10.02 ug/L
 RT: 12.586 min Scan# 1176
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

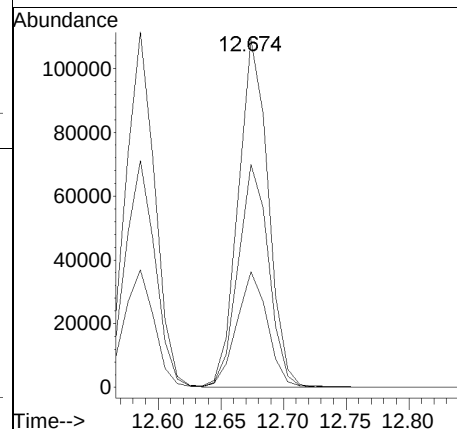
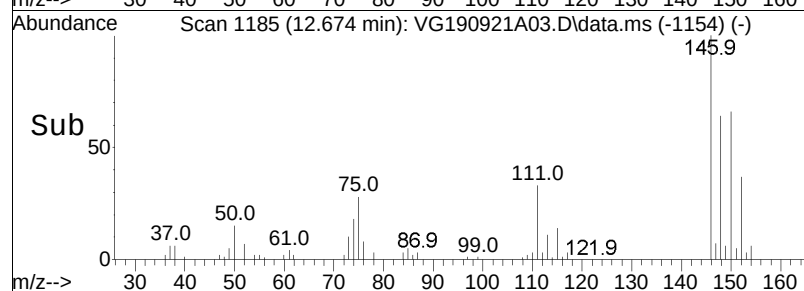
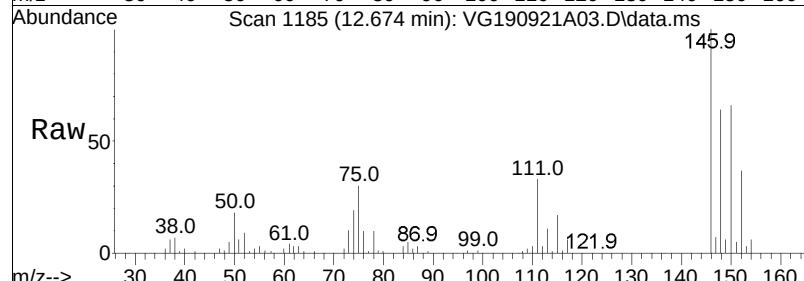
Tgt Ion:	146	Resp:	181855
Ion Ratio	Lower	Upper	
146	100		
111	34.2	24.4	50.6
148	65.3	41.0	85.2

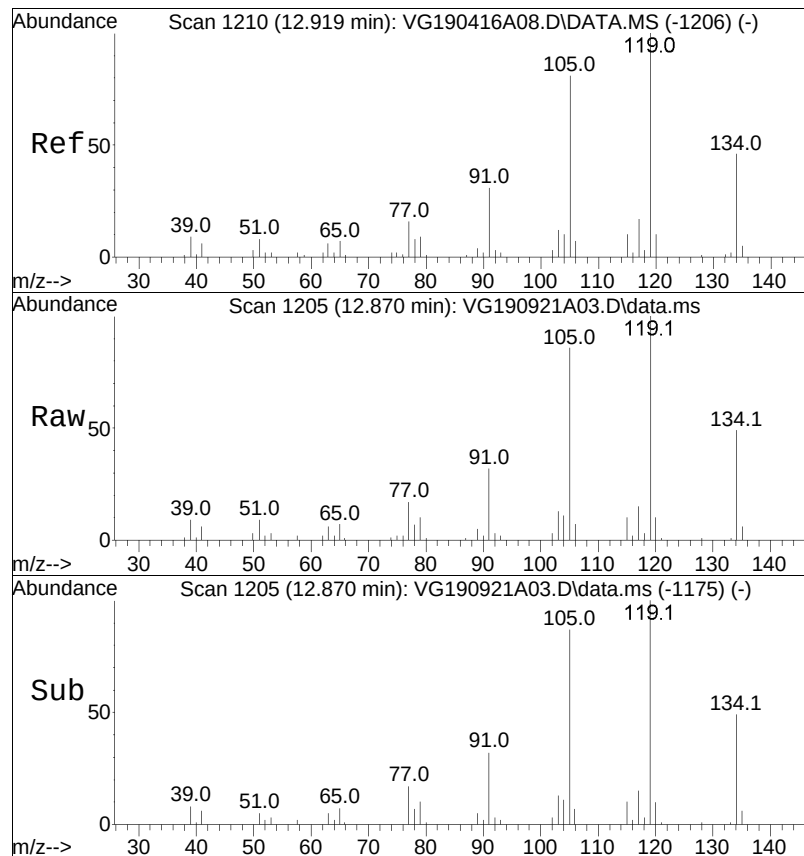




#101
 1,4-Dichlorobenzene
 Concen: 10.03 ug/L
 RT: 12.674 min Scan# 1185
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

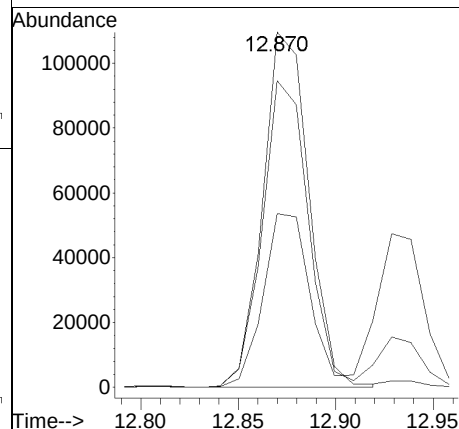
Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.1	29.3	43.9
148	65.0	51.2	76.8

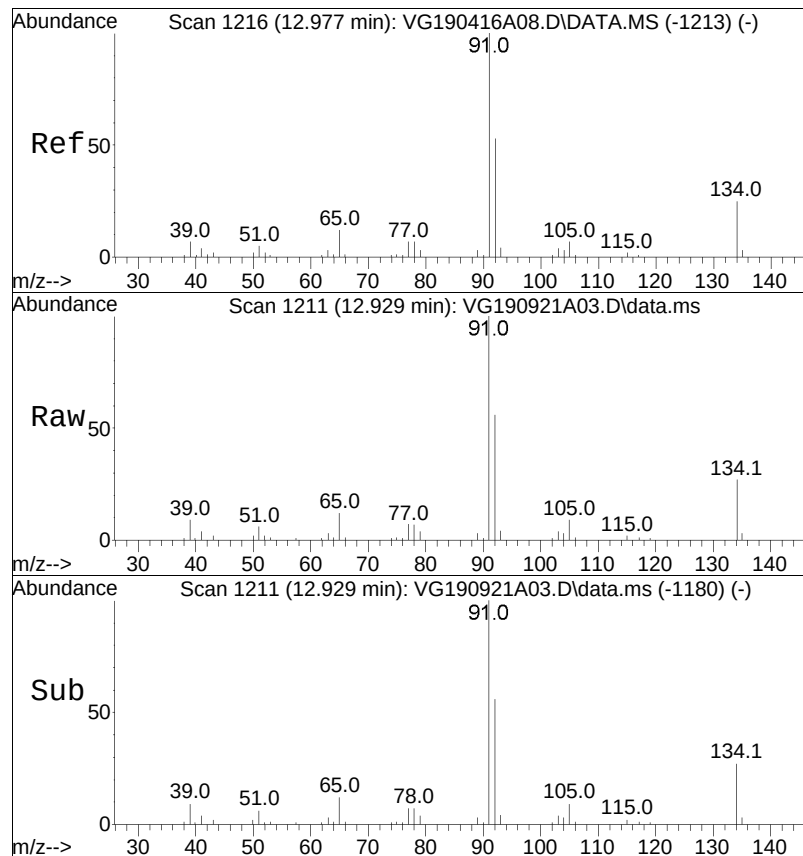




#102
 p-Diethylbenzene
 Concen: 9.72 ug/L
 RT: 12.870 min Scan# 1205
 Delta R.T. -0.010 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

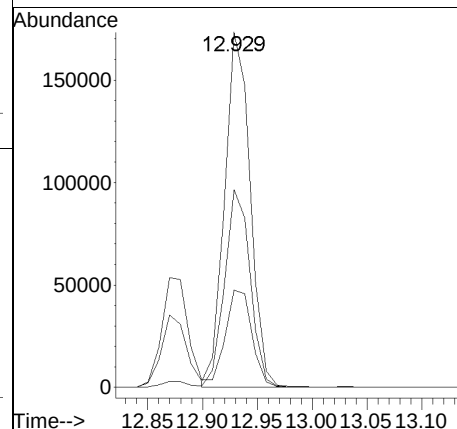
Tgt	Ion:119	Resp:	180717
Ion	Ratio	Lower	Upper
119	100		
105	86.0	53.9	112.1
134	49.4	32.0	66.6

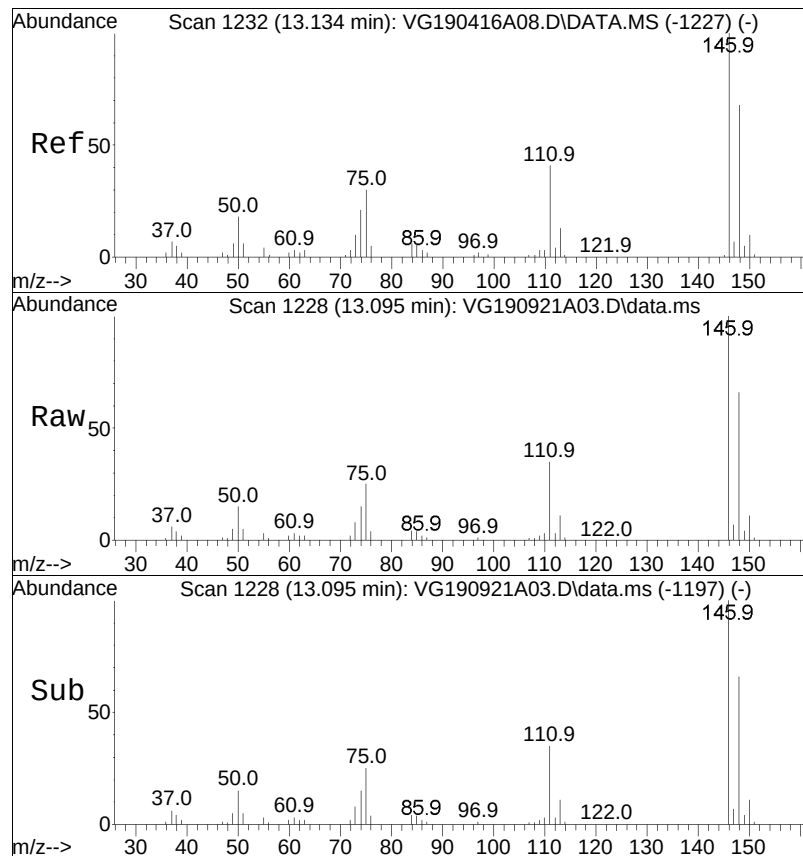




#103
 n-Butylbenzene
 Concen: 10.12 ug/L
 RT: 12.929 min Scan# 1211
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

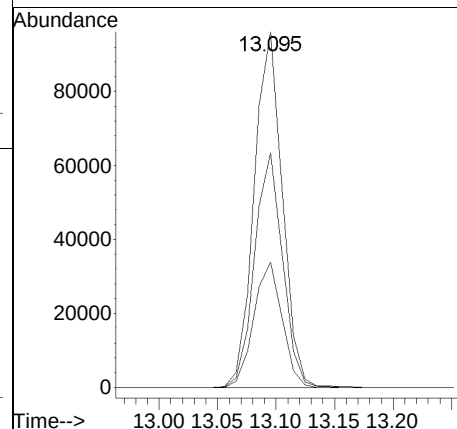
Tgt Ion:	91	Resp:	281880
Ion Ratio	Lower	Upper	
91	100		
92	55.4	43.8	65.8
134	28.6	22.0	33.0

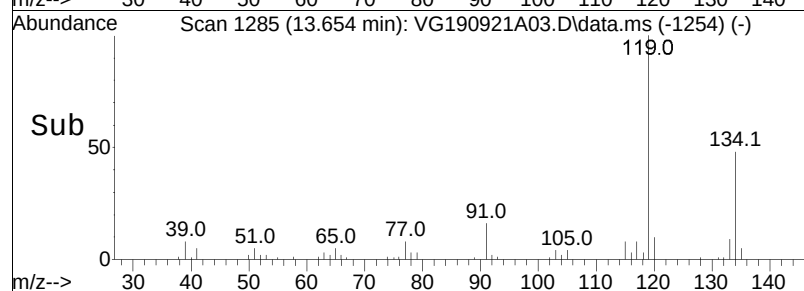
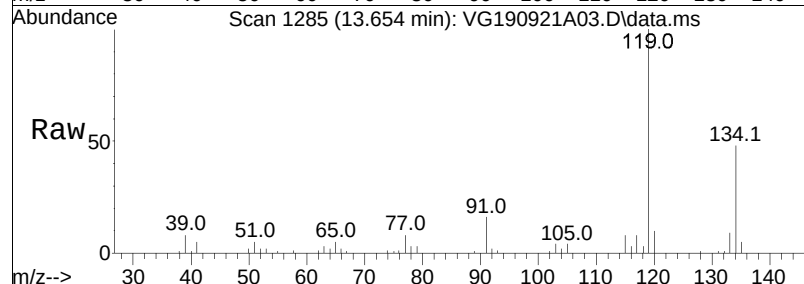
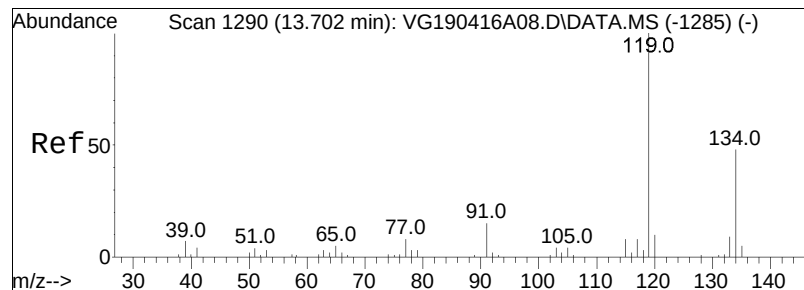




#104
 1,2-Dichlorobenzene
 Concen: 9.89 ug/L
 RT: 13.095 min Scan# 1228
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

Tgt	Ion:146	Resp:	160716
Ion	Ratio	Lower	Upper
146	100		
111	35.4	25.4	52.8
148	65.6	41.7	86.5





#105

1,2,4,5-Tetramethylbenzene

Concen: 9.56 ug/L

RT: 13.654 min Scan# 1285

Delta R.T. 0.000 min

Lab File: VG190921A03.D

Acq: 21 Sep 2019 8:59

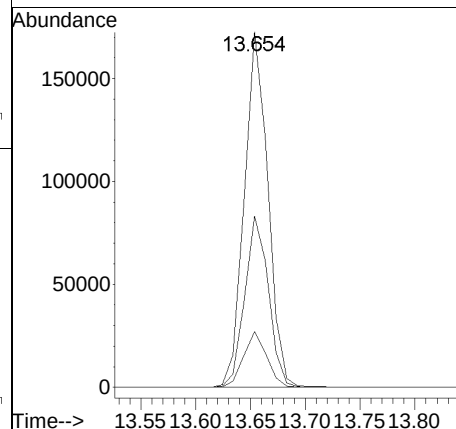
Tgt Ion:119 Resp: 258829

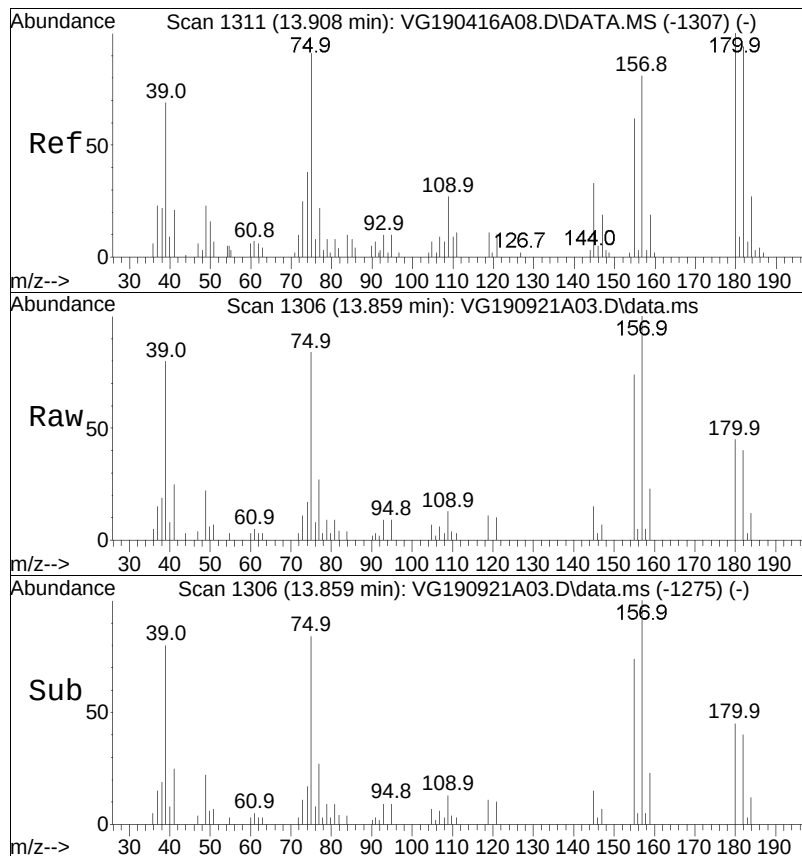
Ion Ratio Lower Upper

119 100

134 48.3 32.7 67.9

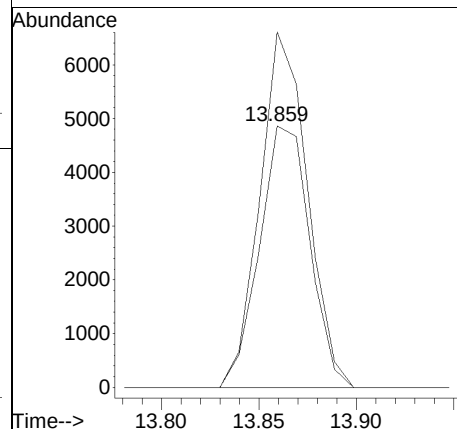
91 15.5 9.9 20.7

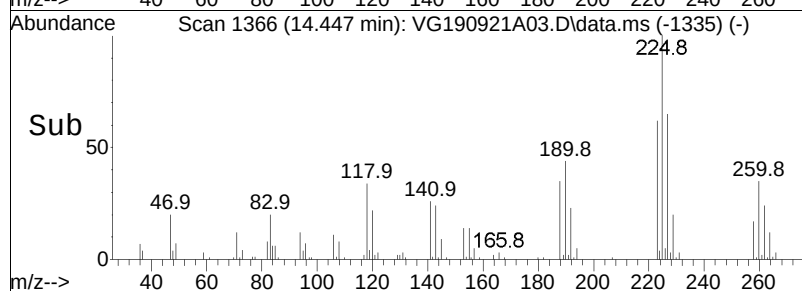
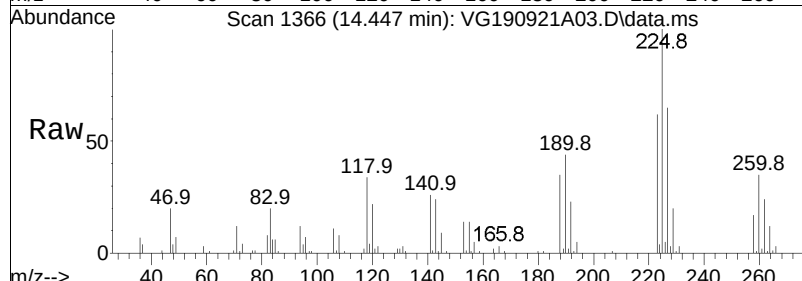
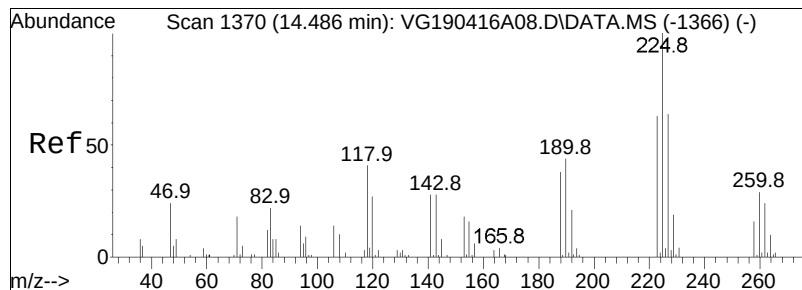




#106
 1,2-Dibromo-3-chloropropane
 Concen: 9.75 ug/L
 RT: 13.859 min Scan# 1306
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

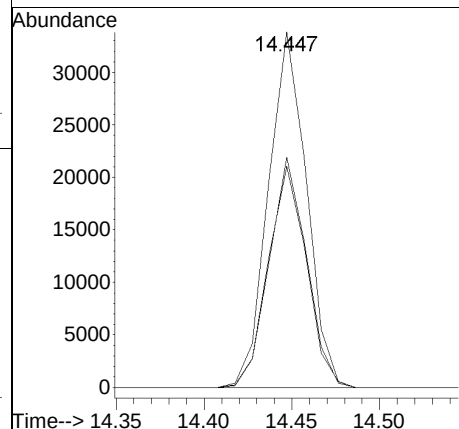
Tgt Ion	Ratio	Lower	Upper
155	100		
157	128.0	99.9	149.9

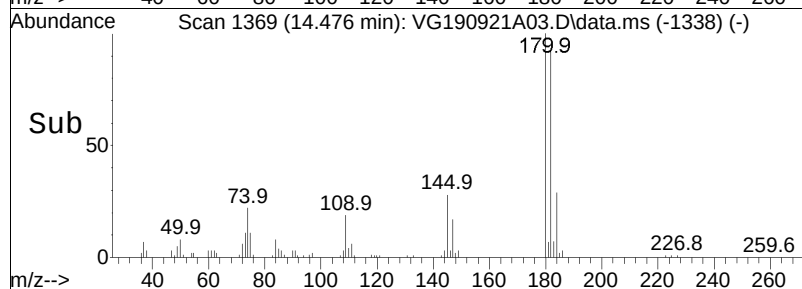
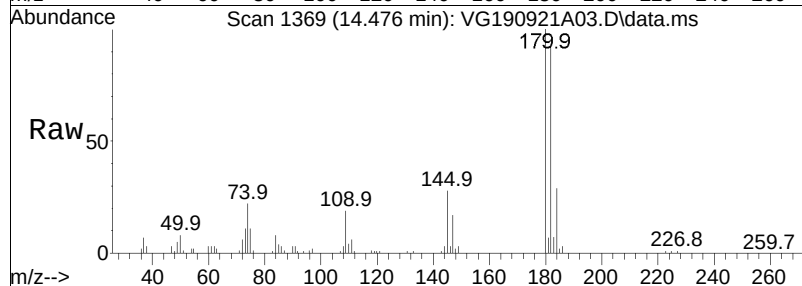
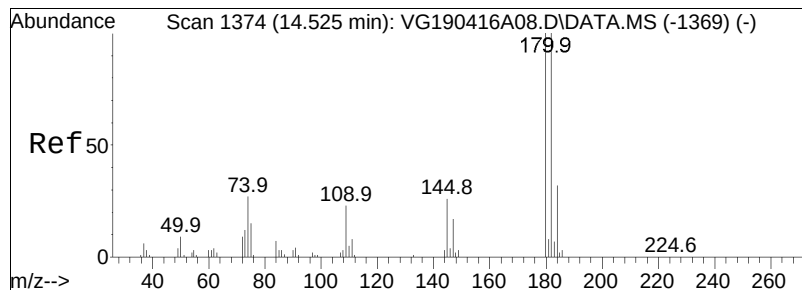




#108
 Hexachlorobutadiene
 Concen: 8.21 ug/L
 RT: 14.447 min Scan# 1366
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

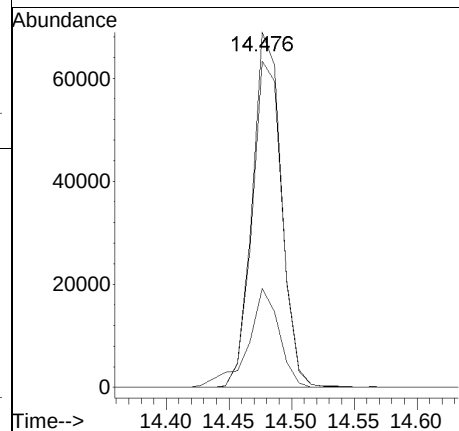
Tgt	Ion	Ratio	Resp	Lower	Upper
225	100		51074		
223	62.6	50.1		75.1	
227	63.7	50.2		75.4	

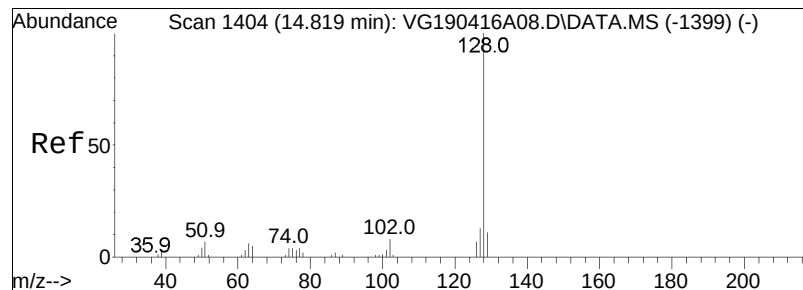




#109
 1,2,4-Trichlorobenzene
 Concen: 9.60 ug/L
 RT: 14.476 min Scan# 1369
 Delta R.T. 0.000 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

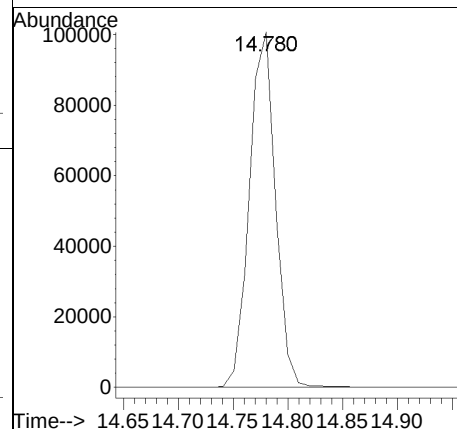
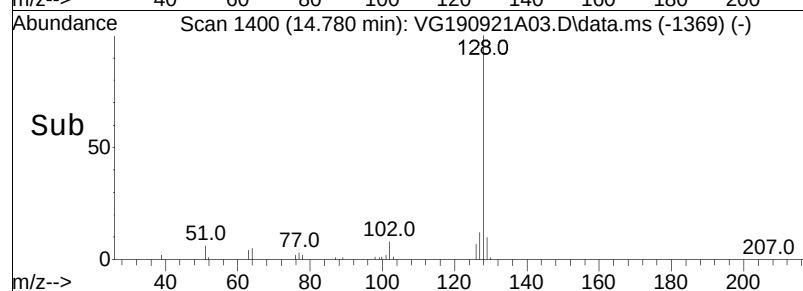
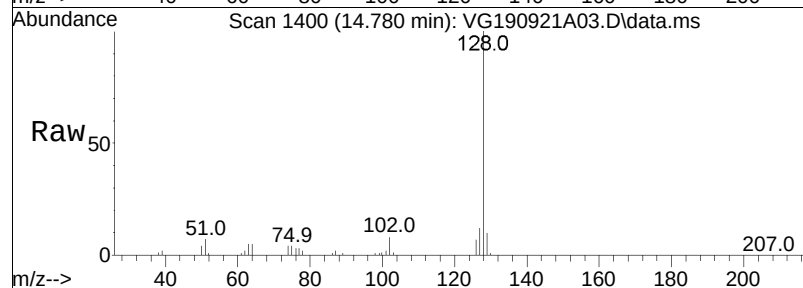
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.7	115.1
145	29.9	26.5	39.7

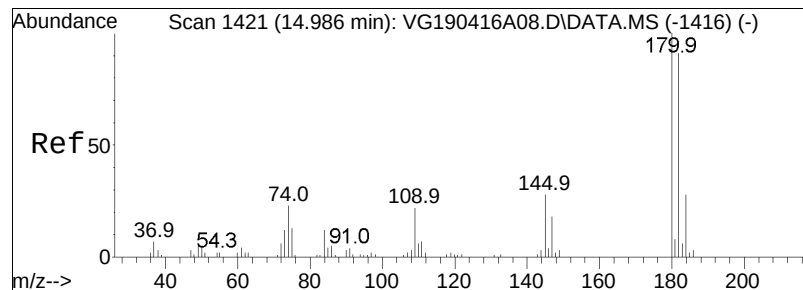




#110
Naphthalene
Concen: 10.33 ug/L
RT: 14.780 min Scan# 1400
Delta R.T. 0.000 min
Lab File: VG190921A03.D
Acq: 21 Sep 2019 8:59

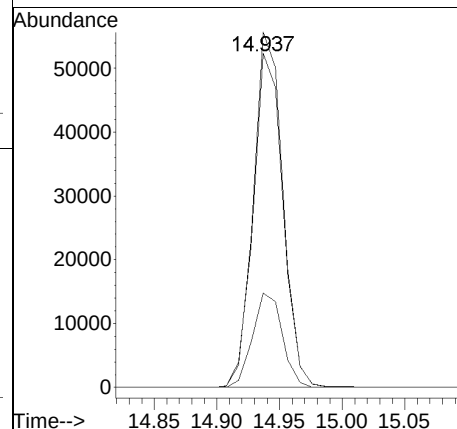
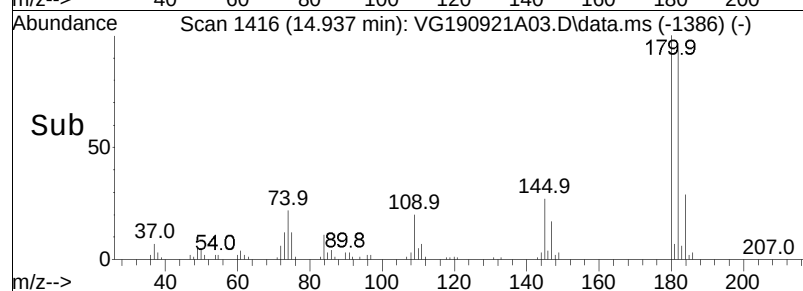
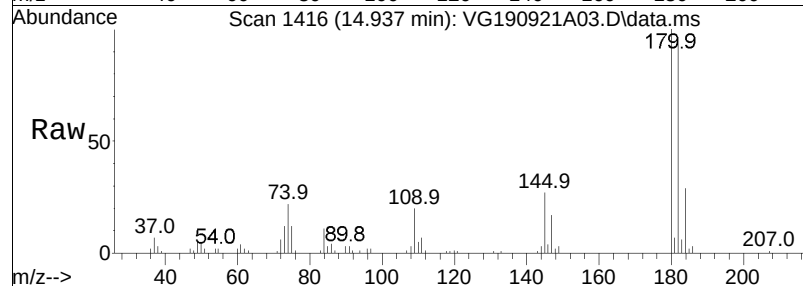
Tgt Ion:128 Resp: 166788





#111
 1,2,3-Trichlorobenzene
 Concen: 9.98 ug/L
 RT: 14.937 min Scan# 1416
 Delta R.T. -0.010 min
 Lab File: VG190921A03.D
 Acq: 21 Sep 2019 8:59

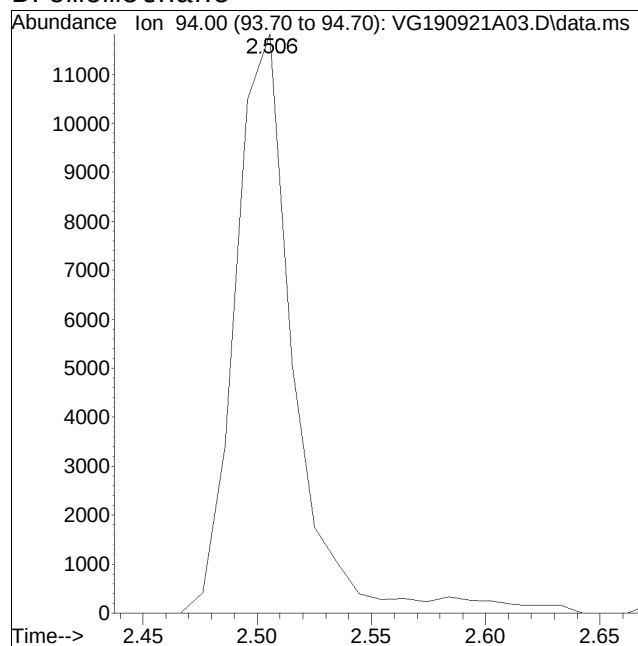
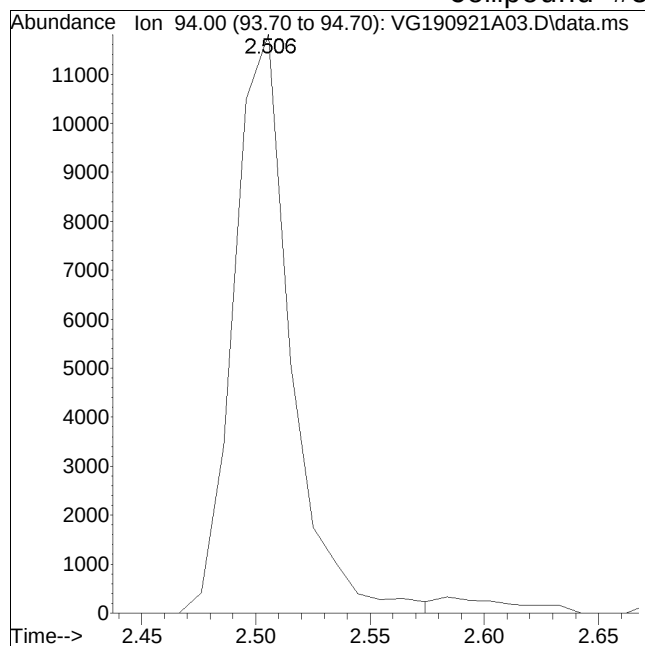
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.0	115.4
145	26.7	24.1	36.1



Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2019\190Method : G_190913_8260.m
Data File : VG190921A03.D Operator : GONZO:PD
Date Inj'd : 9/21/2019 8:59 Instrument : Gonzo
Sample : WG1287487-3,31,10,10 Quant Date : 9/21/2019 9:32 am

Compound #5: Bromomethane



Original Peak Response = 20658

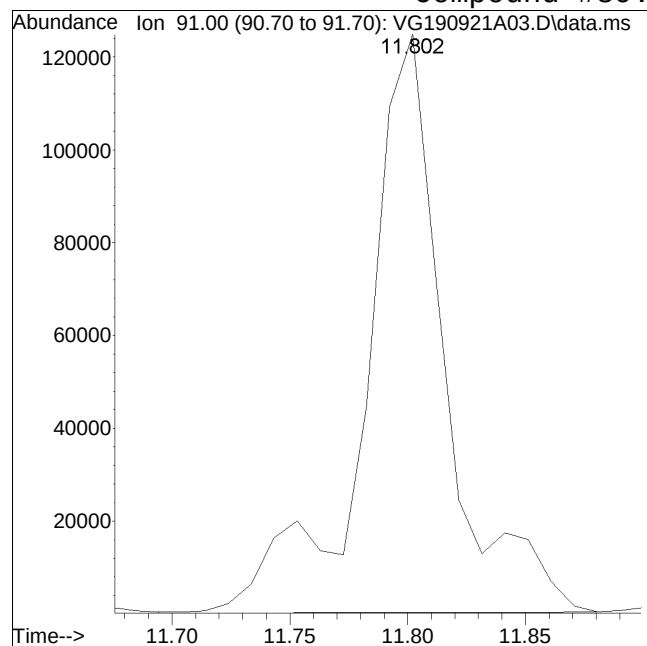
Manual Peak Response = 21435 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

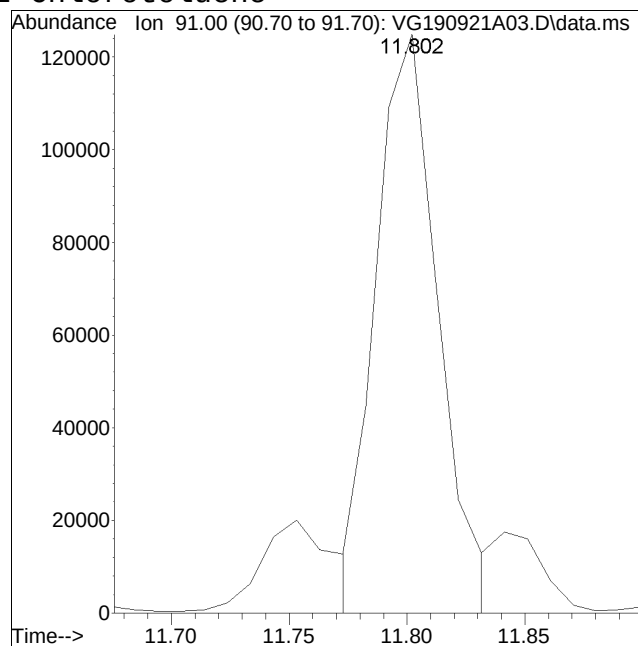
Data Path : I:\VOLATILES\Gonzo\2019\19QMethod : G_190913_8260.m
Data File : VG190921A03.D Operator : GONZO:PD
Date Inj'd : 9/21/2019 8:59 Instrument : Gonzo
Sample : WG1287487-3,31,10,10 Quant Date : 9/21/2019 9:32 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 293156

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

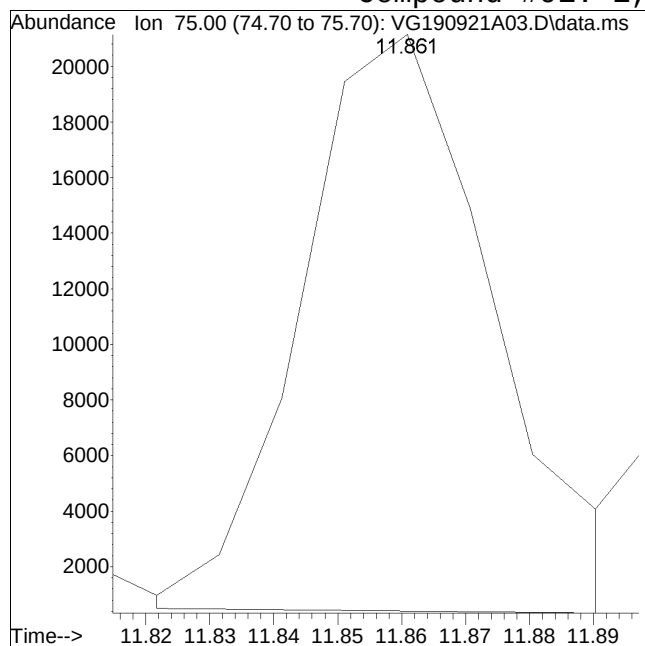


Manual Peak Response = 228663 M1

Manual Integration Report

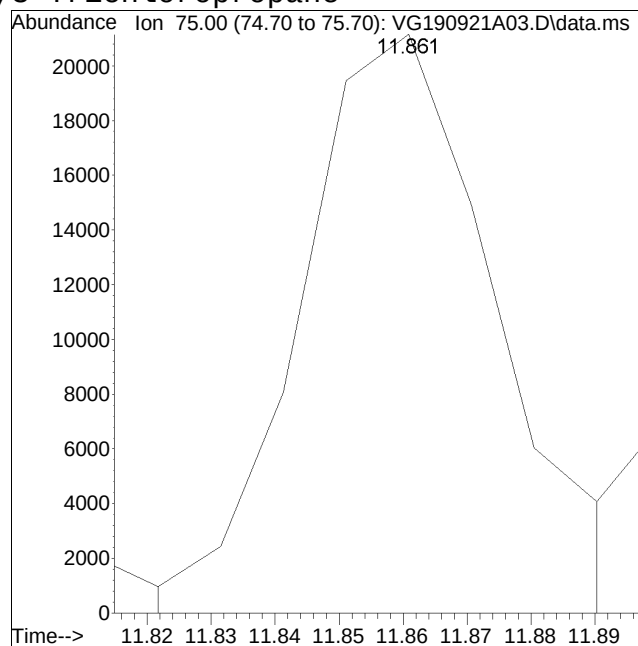
Data Path : I:\VOLATILES\Gonzo\2019\19QMethod : G_190913_8260.m
Data File : VG190921A03.D Operator : GONZO:PD
Date Inj'd : 9/21/2019 8:59 Instrument : Gonzo
Sample : WG1287487-3,31,10,10 Quant Date : 9/21/2019 9:32 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 43035

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 44751 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A02.D
 Acq On : 23 Sep 2019 6:50
 Operator : VOA108:PD
 Sample : WG1287429-3,31,10,10
 Misc : WG1287429,ICAL16150
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 07:30:26 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190923A\V08190923A02.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.512	96	177933	10.000	ug/L	0.00
Standard Area 1 = 177933			Recovery	=	100.00%	
59) Chlorobenzene-d5	8.501	117	123701	10.000	ug/L	0.00
Standard Area 1 = 123701			Recovery	=	100.00%	
79) 1,4-Dichlorobenzene-d4	9.987	152	59279	10.000	ug/L	0.00
Standard Area 1 = 59279			Recovery	=	100.00%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.530	113	42729	9.504	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.04%	
43) 1,2-Dichloroethane-d4	5.166	65	53524	9.532	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.32%	
60) Toluene-d8	7.207	98	168243	10.201	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.01%	
83) 4-Bromofluorobenzene	9.318	95	59386	10.005	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.05%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.963	85	34738	8.050	ug/L	99
3) Chloromethane	1.083	50	38781	7.708	ug/L	100
4) Vinyl chloride	1.136	62	46109	8.789	ug/L	97
5) Bromomethane	1.343	94	24074	6.402	ug/L	100
6) Chloroethane	1.423	64	28744	8.435	ug/L	99
7) Trichlorofluoromethane	1.524	101	56133	7.781	ug/L	96
8) Ethyl ether	1.761	74	19258M1	9.025	ug/L	
10) 1,1-Dichloroethene	1.892	96	31880	8.491	ug/L	# 72
11) Carbon disulfide	1.897	76	102049	8.601	ug/L	97
15) Methylene chloride	2.377	84	38079M1	8.541	ug/L	
17) Acetone	2.433	43	9046	9.823	ug/L	94
18) trans-1,2-Dichloroethene	2.528	96	35167	8.610	ug/L	84
20) Methyl tert-butyl ether	2.653	73	94748M1	8.453	ug/L	
23) 1,1-Dichloroethane	3.166	63	76248M1	9.009	ug/L	
25) Acrylonitrile	3.230	53	10998M1	9.693	ug/L	
27) Vinyl acetate	3.534	43	88577M1	9.842	ug/L	
28) cis-1,2-Dichloroethene	3.858	96	42257M1	9.116	ug/L	
29) 2,2-Dichloropropane	3.995	77	57199M1	8.987	ug/L	
30) Bromochloromethane	4.128	128	19188M1	9.108	ug/L	
32) Chloroform	4.287	83	70883M1	8.568	ug/L	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A02.D
 Acq On : 23 Sep 2019 6:50
 Operator : VOA108:PD
 Sample : WG1287429-3,31,10,10
 Misc : WG1287429,ICAL16150
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 07:30:26 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190923A\V08190923A02.D
 Sub List : 8260-CurvePenta - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34)	Carbon tetrachloride	4.410	117	47767	8.209	ug/L	99
37)	1,1,1-Trichloroethane	4.508	97	61767M1	8.452	ug/L	
39)	2-Butanone	4.714	43	11835	8.578	ug/L #	30
40)	1,1-Dichloropropene	4.683	75	51385M1	8.802	ug/L	
41)	Benzene	4.990	78	153913M1	8.484	ug/L	
44)	1,2-Dichloroethane	5.247	62	56838M1	8.413	ug/L	
48)	Trichloroethene	5.704	95	40705M1	8.320	ug/L	
50)	Dibromomethane	6.150	93	23844M1	8.676	ug/L	
51)	1,2-Dichloropropane	6.262	63	43461	9.010	ug/L	94
54)	Bromodichloromethane	6.373	83	55583	8.293	ug/L	100
57)	1,4-Dioxane	6.591	88	15326M1	647.895	ug/L	
58)	cis-1,3-Dichloropropene	7.029	75	64392	8.512	ug/L	95
61)	Toluene	7.254	92	97482	8.939	ug/L	97
62)	4-Methyl-2-pentanone	7.659	58	12532	9.251	ug/L #	96
63)	Tetrachloroethene	7.611	166	40330	8.762	ug/L	92
65)	trans-1,3-Dichloropropene	7.678	75	54558	8.690	ug/L	98
68)	1,1,2-Trichloroethane	7.809	83	27915	9.132	ug/L	95
69)	Chlorodibromomethane	7.943	129	38607	8.683	ug/L	97
70)	1,3-Dichloropropane	8.019	76	57363	9.074	ug/L	98
71)	1,2-Dibromoethane	8.102	107	31916	8.951	ug/L	99
72)	2-Hexanone	8.342	43	20865	9.016	ug/L	96
73)	Chlorobenzene	8.512	112	106812	8.876	ug/L	93
74)	Ethylbenzene	8.551	91	185522	8.898	ug/L	98
75)	1,1,1,2-Tetrachloroethane	8.571	131	38002	8.644	ug/L	95
76)	p/m Xylene	8.660	106	143885	18.187	ug/L	97
77)	o Xylene	8.942	106	139014	18.283	ug/L	91
78)	Styrene	8.981	104	231546	18.345	ug/L	91
80)	Bromoform	8.983	173	23771	8.854	ug/L	95
82)	Isopropylbenzene	9.154	105	183577	9.171	ug/L	97
84)	Bromobenzene	9.374	156	43431	8.925	ug/L	98
85)	n-Propylbenzene	9.410	91	215172	9.297	ug/L	98
87)	1,1,2,2-Tetrachloroethane	9.463	83	38759	9.179	ug/L	100
88)	4-Ethyltoluene	9.480	105	169299	9.201	ug/L	97
89)	2-Chlorotoluene	9.494	91	147040	9.306	ug/L	98
90)	1,3,5-Trimethylbenzene	9.536	105	147021	9.129	ug/L	91
91)	1,2,3-Trichloropropane	9.533	75	31904	9.986	ug/L	99
92)	trans-1,4-Dichloro-2-b...	9.566	53	10333M1	9.465	ug/L	
93)	4-Chlorotoluene	9.597	91	132527	9.288	ug/L	97
94)	tert-Butylbenzene	9.720	119	150417	9.319	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A02.D
 Acq On : 23 Sep 2019 6:50
 Operator : VOA108:PD
 Sample : WG1287429-3,31,10,10
 Misc : WG1287429,ICAL16150
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 07:30:26 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190923A\V08190923A02.D
 Sub List : 8260-CurvePenta - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	9.761	105	144892	9.063	ug/L	94
98)	sec-Butylbenzene	9.826	105	176375	9.260	ug/L	100
99)	p-Isopropyltoluene	9.912	119	156572	9.211	ug/L	97
100)	1,3-Dichlorobenzene	9.943	146	81544	9.057	ug/L	99
101)	1,4-Dichlorobenzene	9.996	146	82174	8.873	ug/L	99
102)	p-Diethylbenzene	10.121	119	87067	8.966	ug/L	96
103)	n-Butylbenzene	10.155	91	144334	9.233	ug/L	98
104)	1,2-Dichlorobenzene	10.236	146	76326	8.932	ug/L	97
105)	1,2,4,5-Tetramethylben...	10.579	119	126580	8.586	ug/L	98
106)	1,2-Dibromo-3-chloropr...	10.690	155	5549	9.216	ug/L	93
108)	Hexachlorobutadiene	11.053	225	24111	8.640	ug/L	95
109)	1,2,4-Trichlorobenzene	11.067	180	49947	8.280	ug/L	99
110)	Naphthalene	11.248	128	107421	8.312	ug/L	100
111)	1,2,3-Trichlorobenzene	11.348	180	45397	8.280	ug/L	99

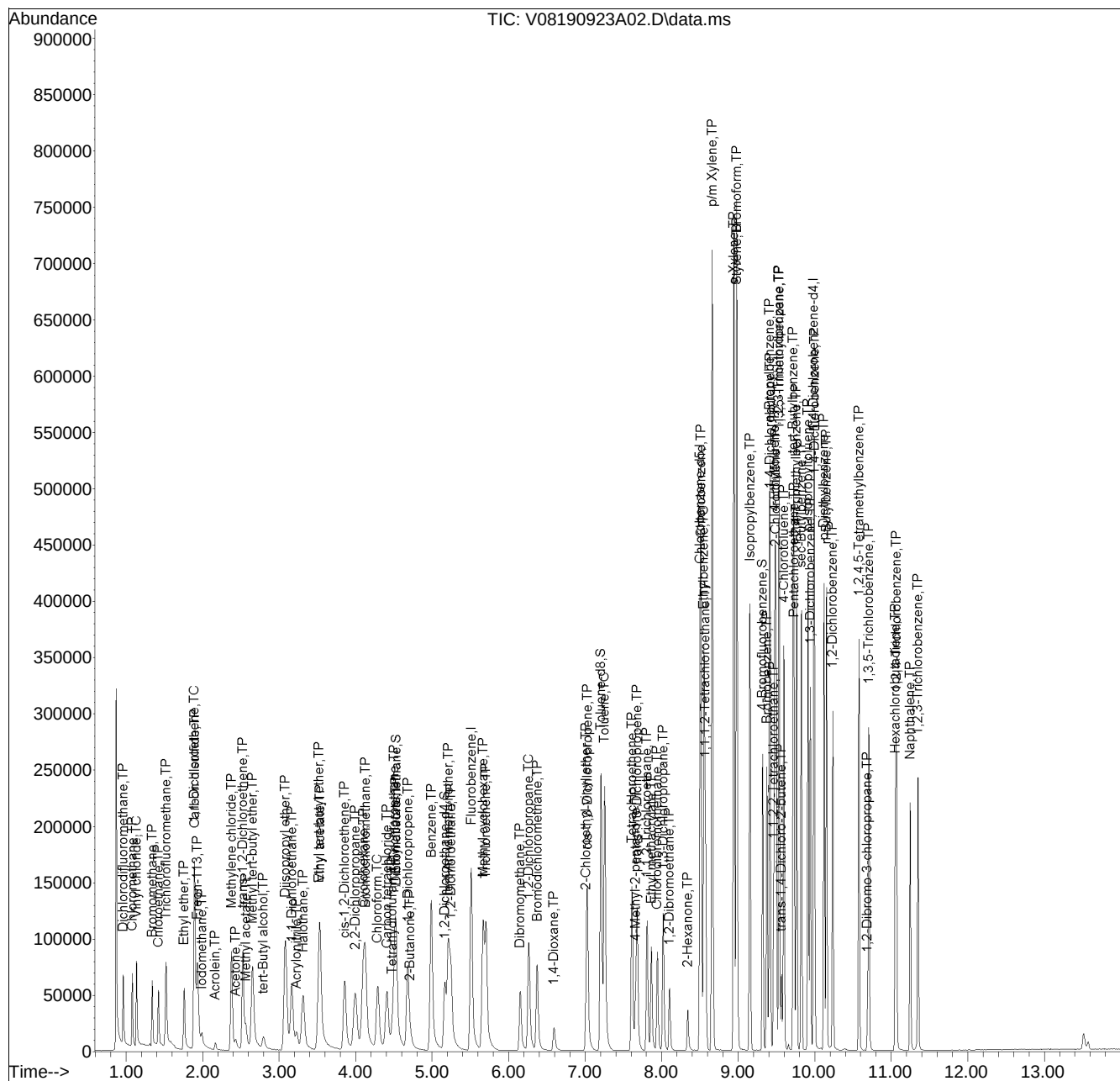
(#) = qualifier out of range (m) = manual integration (+) = signals summed

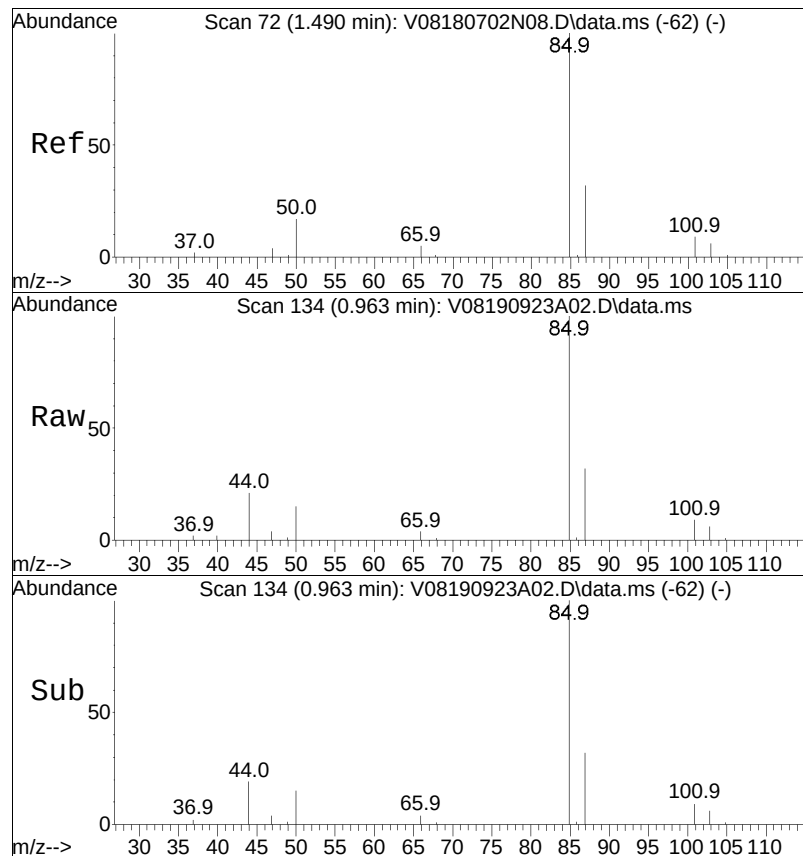
(QT Reviewed)

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Data Path   : I:\VOLATILES\VOA108\2019\190923A\
Data File   : V08190923A02.D
Acq On      : 23 Sep 2019    6:50
Operator    : VOA108:PD
Sample      : WG1287429-3, 31, 10, 10
Misc        : WG1287429, ICAL16150
ALS Vial    : 2      Sample Multiplier: 1
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Quant Time: Sep 23 07:30:26 2019
Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 20 10:28:56 2019
Response via : Initial Calibration

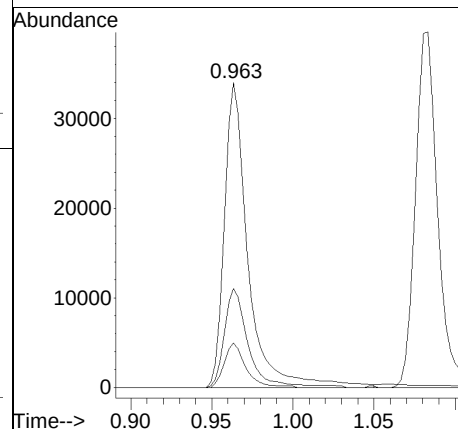
Sub List : 8260-CurvePenta - All compounds listed08190923A02.D•

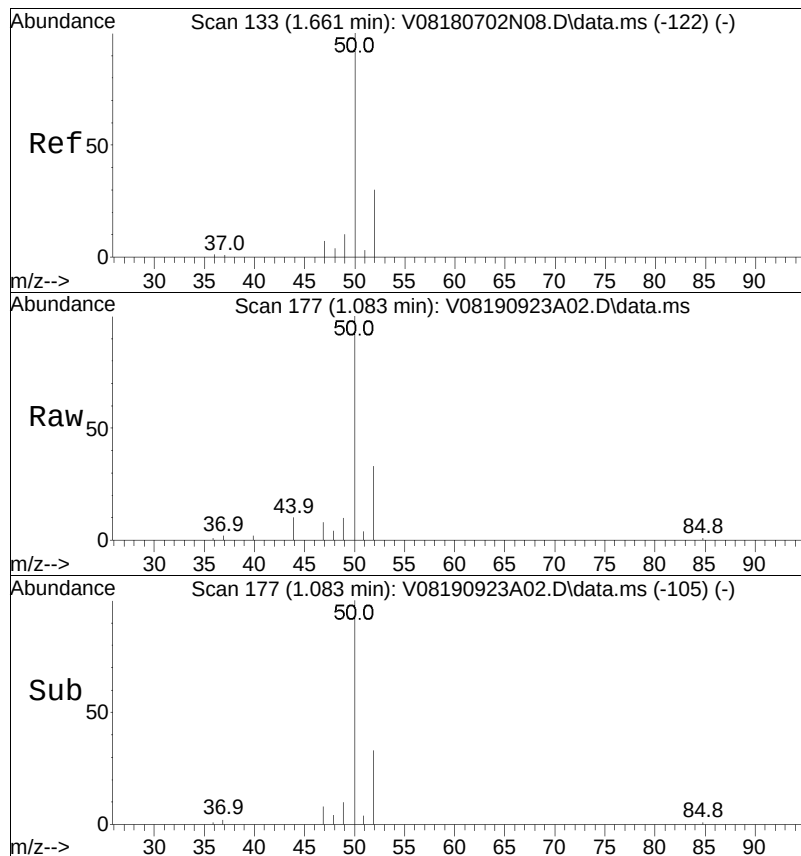




#2
 Dichlorodifluoromethane
 Concen: 8.05 ug/L
 RT: 0.963 min Scan# 134
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

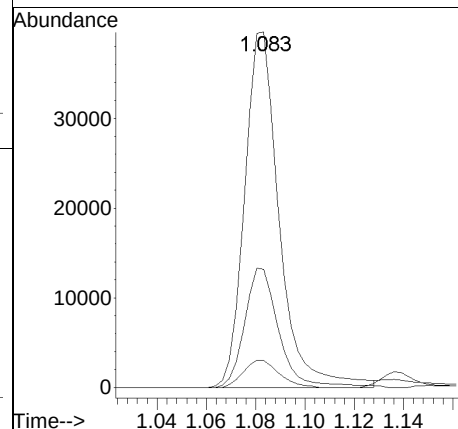
Tgt Ion:	85	Resp:	34738
Ion Ratio	Lower	Upper	
85	100		
87	31.9	21.0	43.6
50	13.1	8.9	18.5

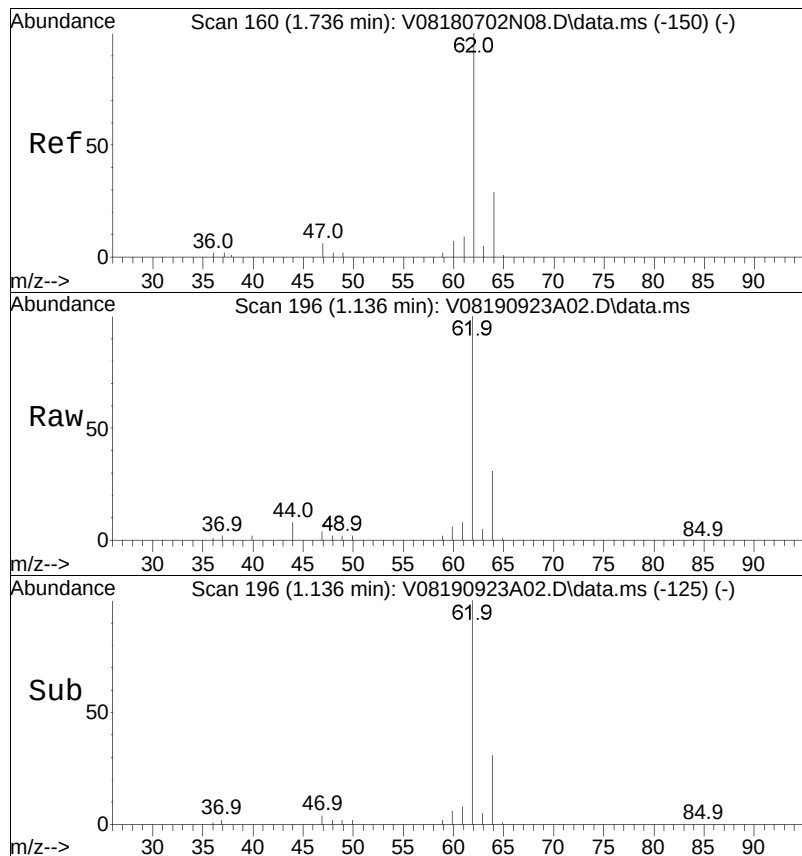




#3
 Chloromethane
 Concen: 7.71 ug/L
 RT: 1.083 min Scan# 177
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

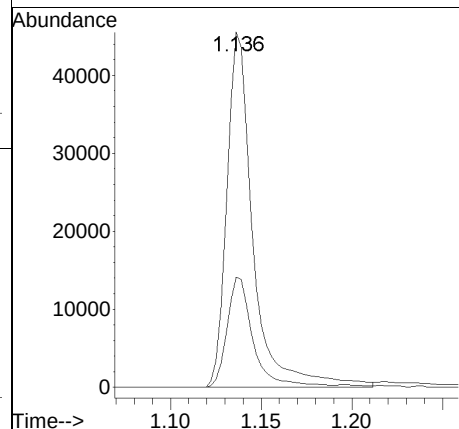
Tgt	Ion: 50	Resp:	38781
Ion	Ratio	Lower	Upper
50	100		
52	33.0	12.9	52.9
47	7.8	0.0	28.3

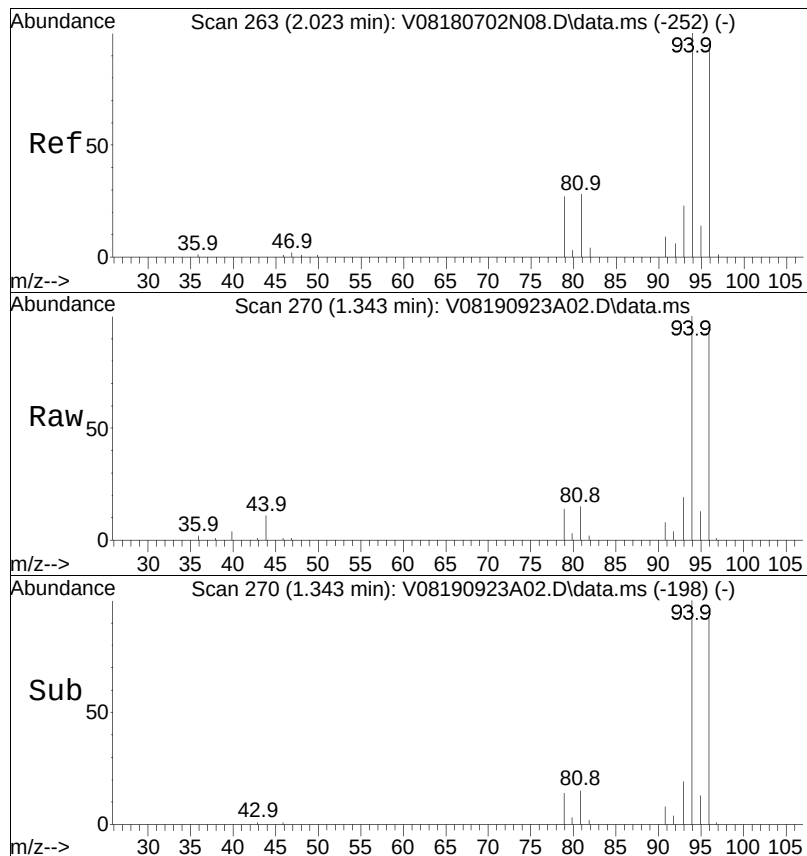




#4
 Vinyl chloride
 Concen: 8.79 ug/L
 RT: 1.136 min Scan# 196
 Delta R.T. -0.003 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

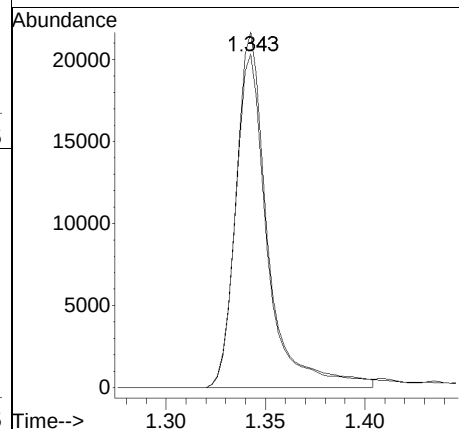
Tgt Ion	Ratio	Lower	Upper
62	100		
64	30.8	9.1	49.1

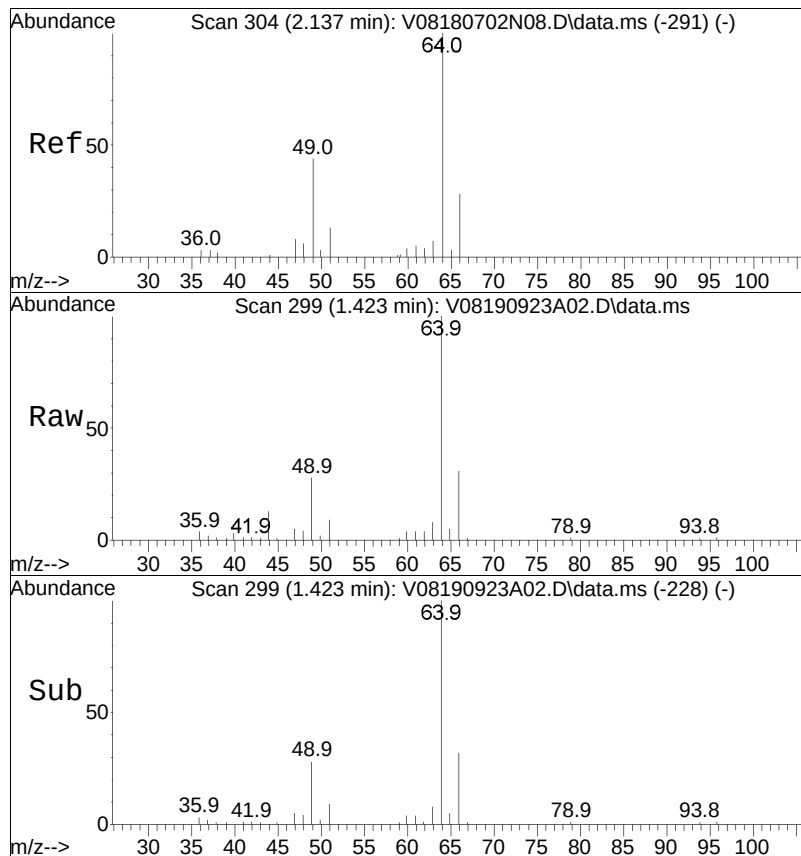




#5
 Bromomethane
 Concen: 6.40 ug/L
 RT: 1.343 min Scan# 270
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

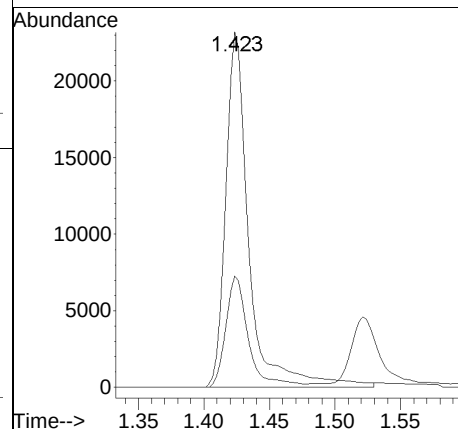
Tgt Ion: 94 Resp: 24074
 Ion Ratio Lower Upper
 94 100
 96 96.0 75.6 115.6

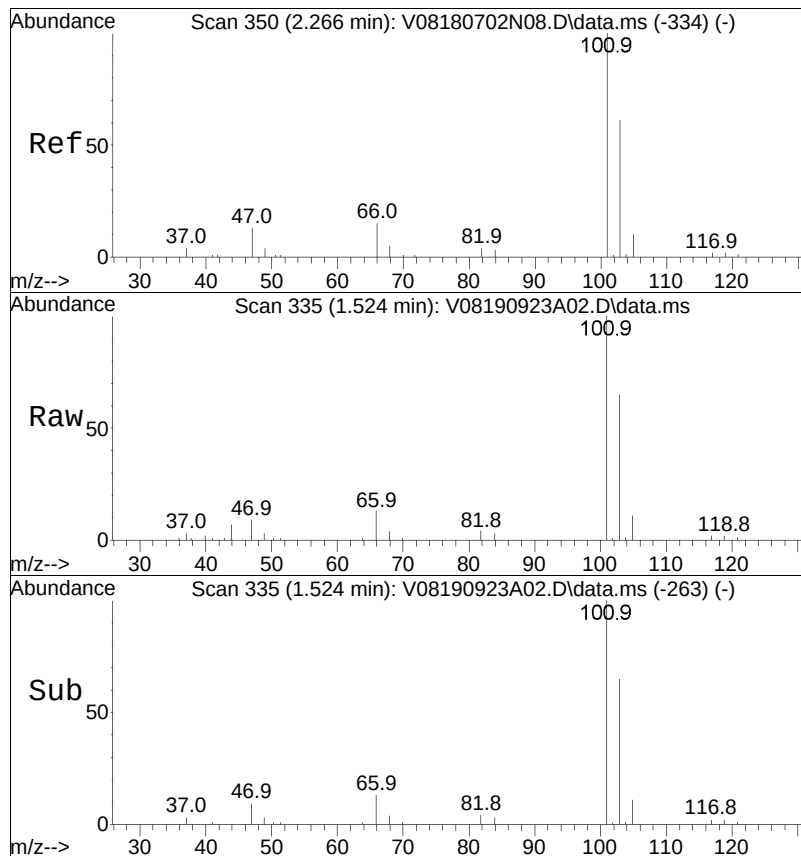




#6
 Chloroethane
 Concen: 8.43 ug/L
 RT: 1.423 min Scan# 299
 Delta R.T. -0.003 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

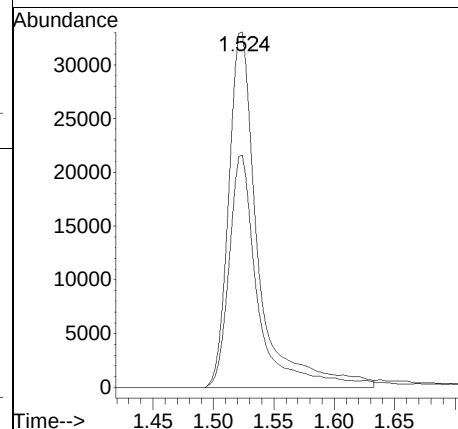
Tgt Ion	Ratio	Lower	Upper
64	100		
66	30.5	9.8	49.8

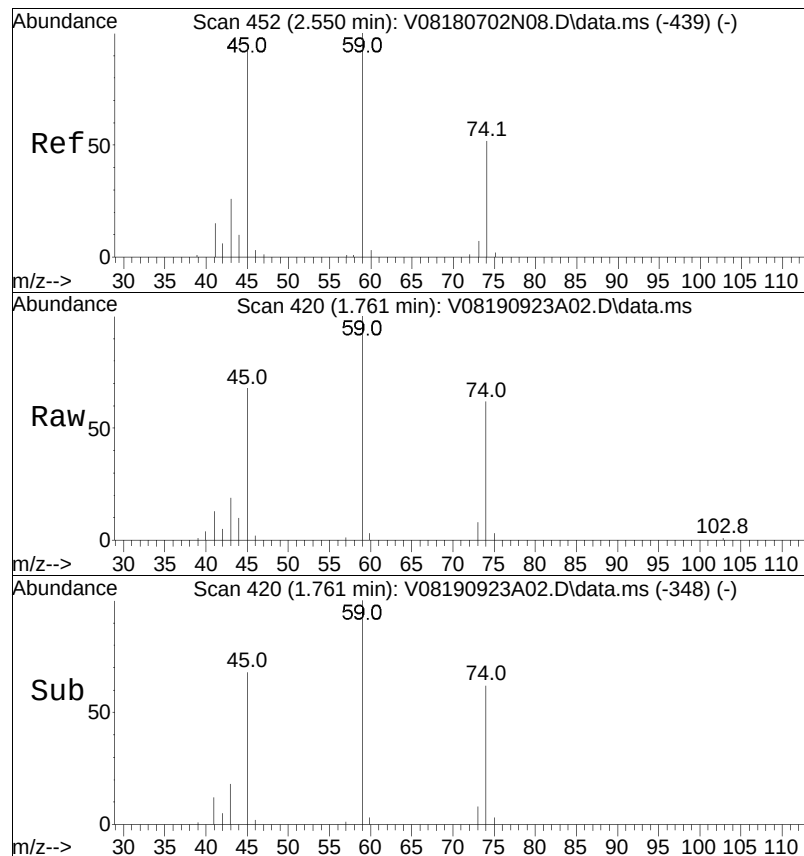




#7
 Trichlorofluoromethane
 Concen: 7.78 ug/L
 RT: 1.524 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

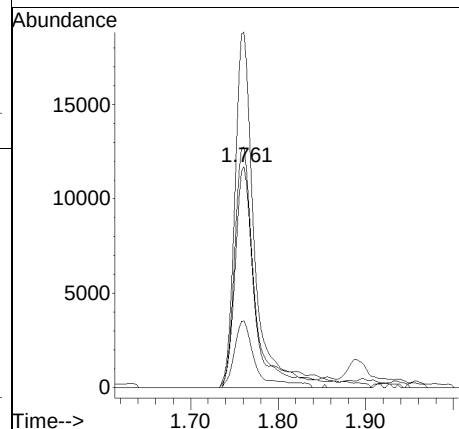
Tgt	Ion	Ratio	Lower	Upper
101	101	100		
103	63.9	53.8	80.6	

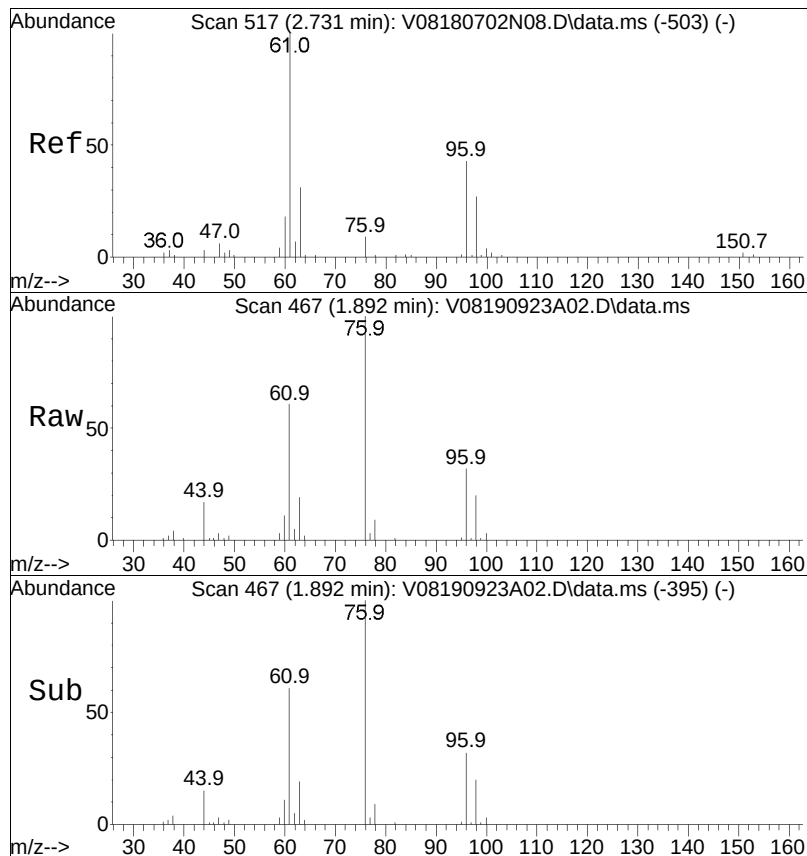




#8
 Ethyl ether
 Concen: 9.02 ug/L M1
 RT: 1.761 min Scan# 420
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

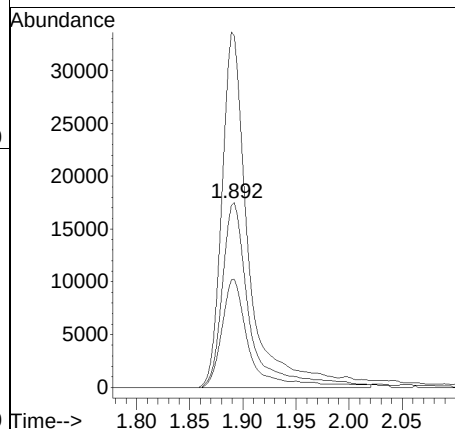
Tgt Ion:	74	Resp:	19258
Ion Ratio	Lower	Upper	
74	100		
59	145.3	122.2	253.8
45	103.6	91.9	190.9
43	29.1	25.2	52.2

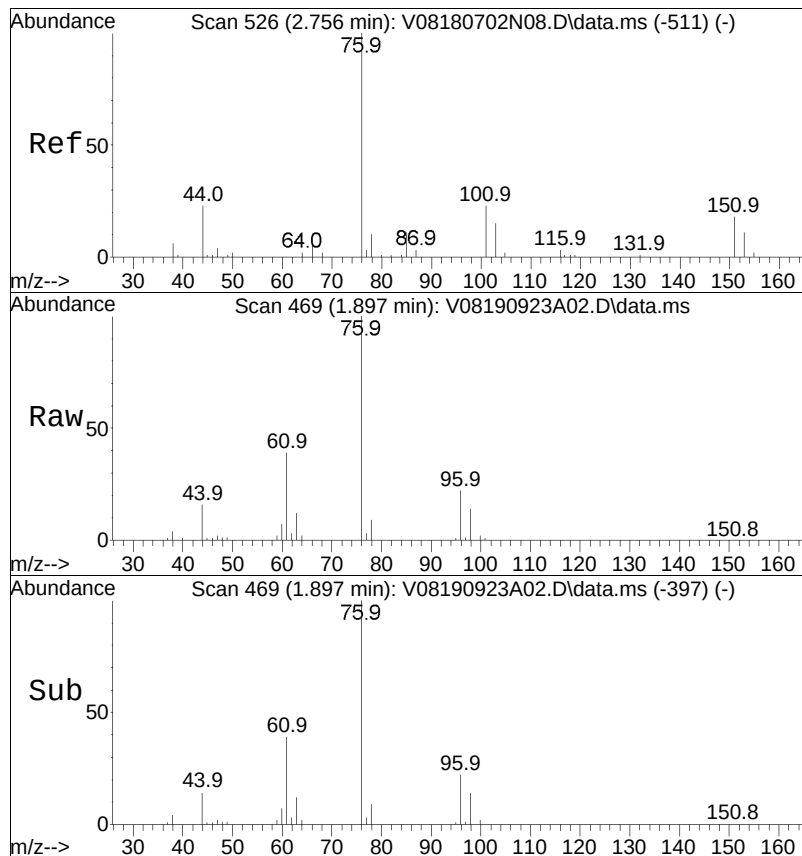




#10
 1,1-Dichloroethene
 Concen: 8.49 ug/L
 RT: 1.892 min Scan# 467
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

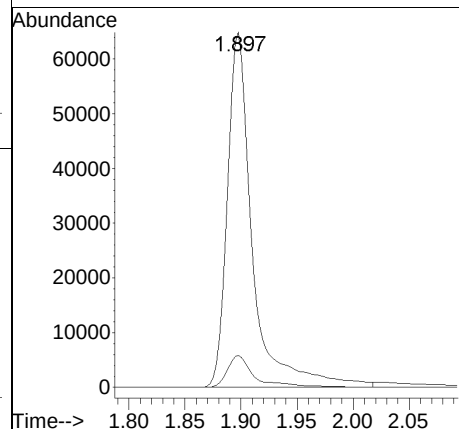
Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.2	186.1	279.1#
63	53.3	57.6	86.4#

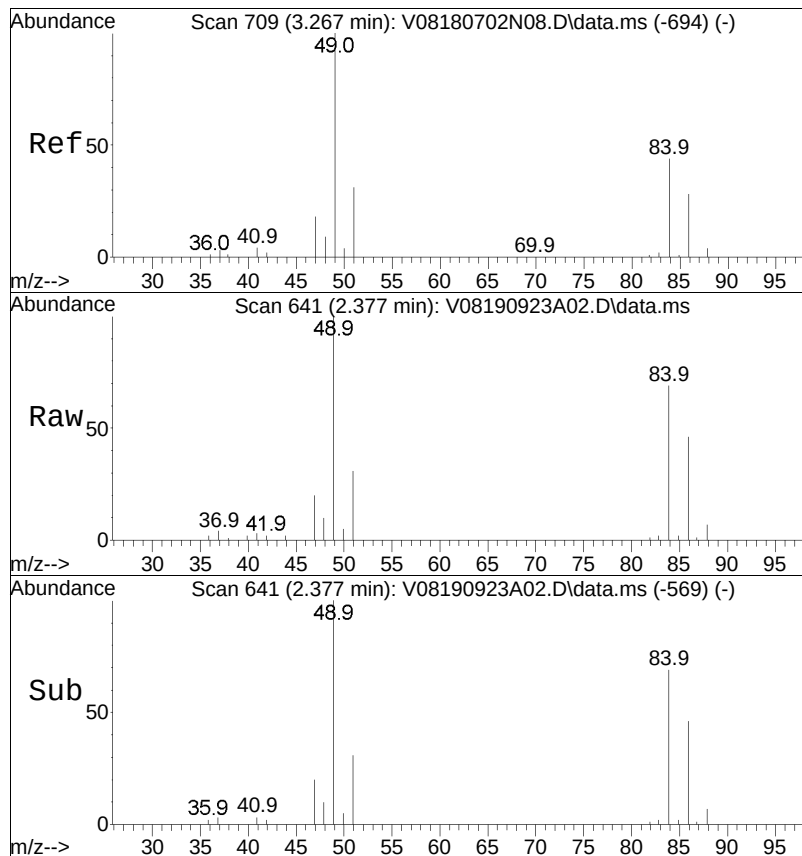




#11
Carbon disulfide
Concen: 8.60 ug/L
RT: 1.897 min Scan# 469
Delta R.T. 0.000 min
Lab File: V08190923A02.D
Acq: 23 Sep 2019 6:50

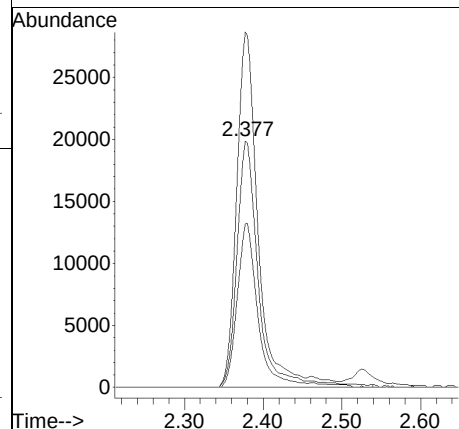
Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.7	5.7	11.7

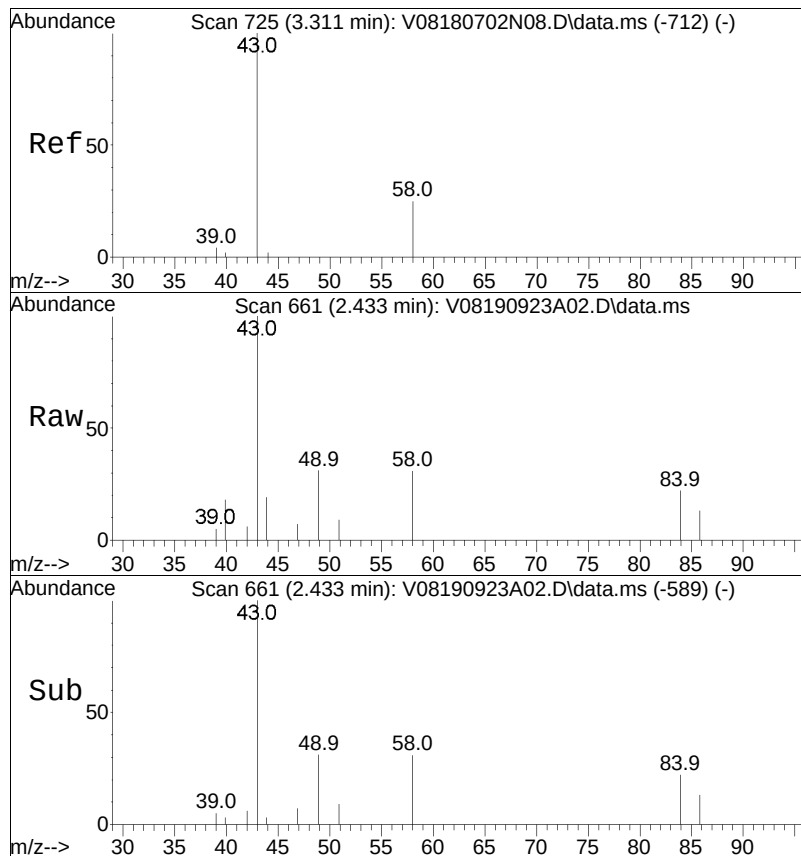




#15
Methylene chloride
Concen: 8.54 ug/L M1
RT: 2.377 min Scan# 641
Delta R.T. 0.000 min
Lab File: V08190923A02.D
Acq: 23 Sep 2019 6:50

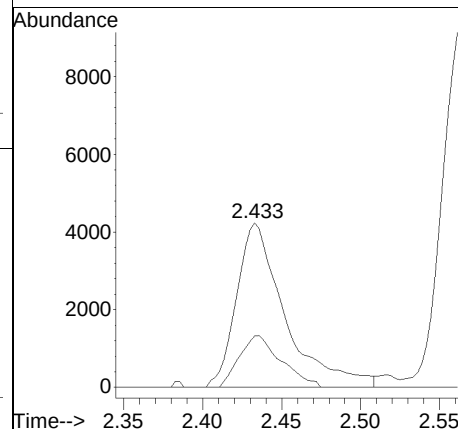
Tgt Ion:	84	Resp:	38079
Ion Ratio	Lower	Upper	
84	100		
86	62.8	40.4	83.8
49	139.2	120.0	249.2

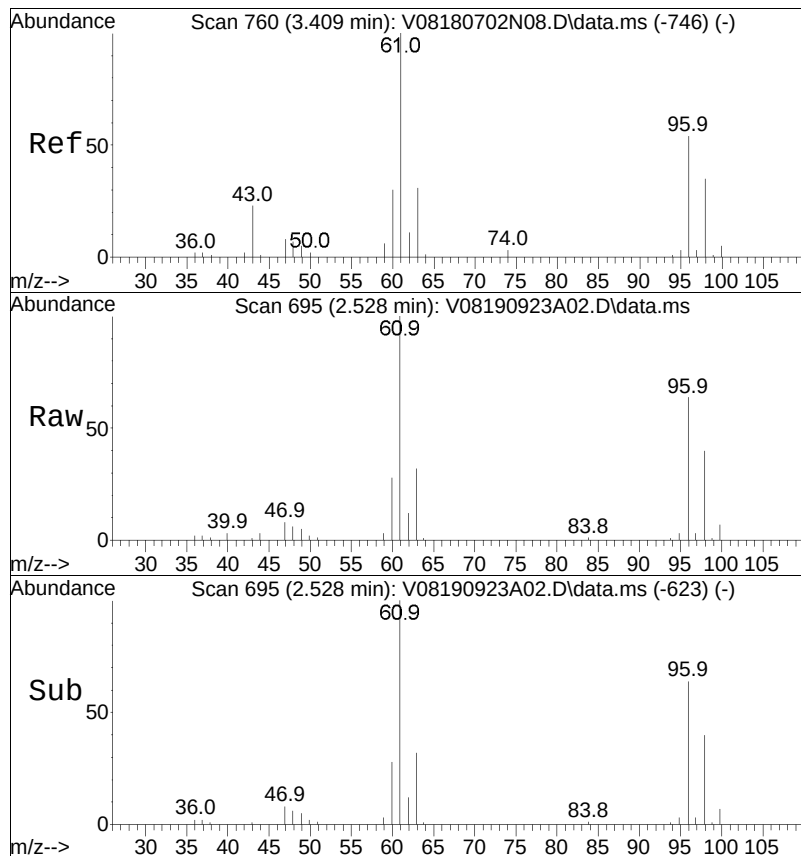




#17
 Acetone
 Concen: 9.82 ug/L
 RT: 2.433 min Scan# 661
 Delta R.T. -0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

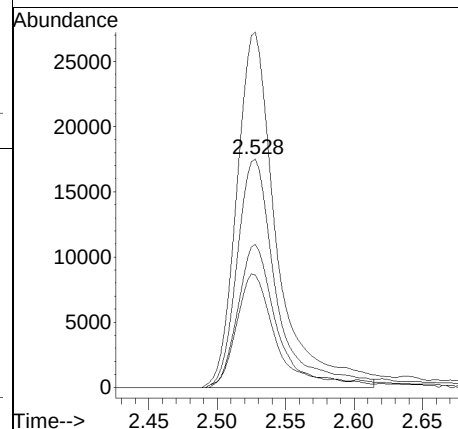
Tgt Ion:	43	58	Ratio	Lower	Upper
Resp:	9046				
Ion Ratio	100	27.2			
			24.2	36.4	

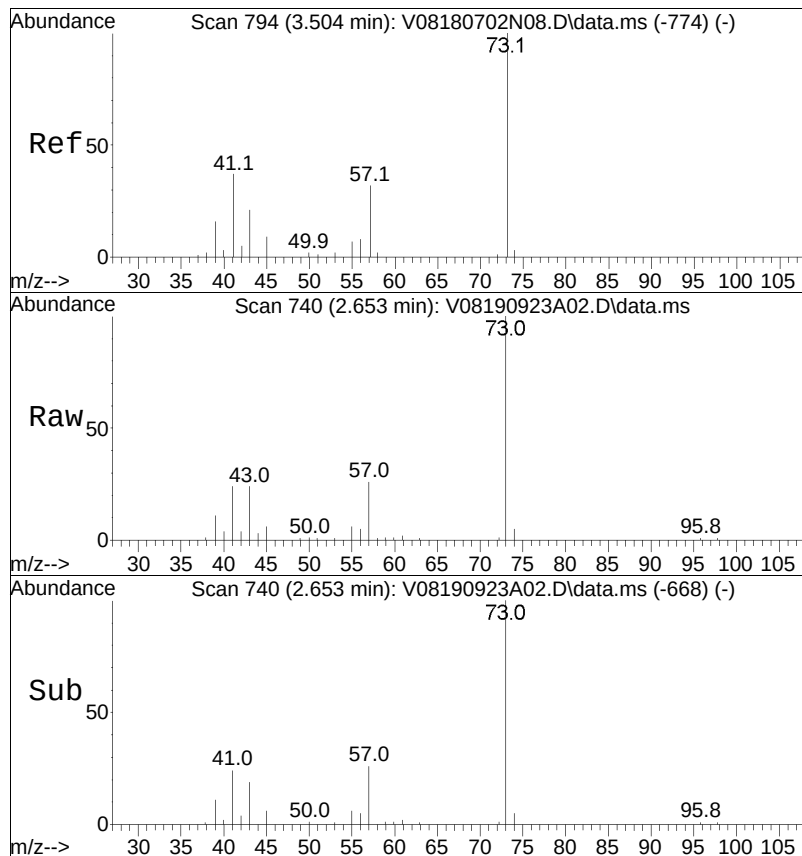




#18
 trans-1,2-Dichloroethene
 Concen: 8.61 ug/L
 RT: 2.528 min Scan# 695
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

Tgt Ion:	96	Resp:	35167
Ion Ratio	Lower	Upper	
96	100		
61	159.6	124.0	257.6
98	61.1	41.2	85.6
63	49.1	38.4	79.7





#20

Methyl tert-butyl ether

Concen: 8.45 ug/L M1

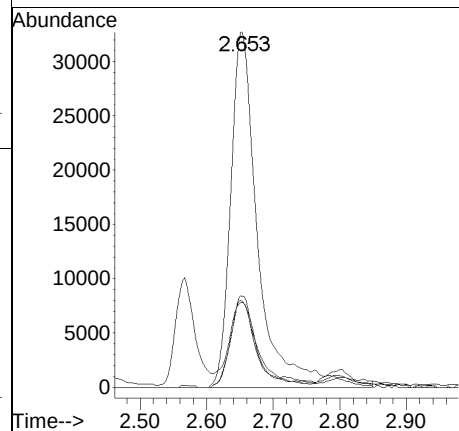
RT: 2.653 min Scan# 740

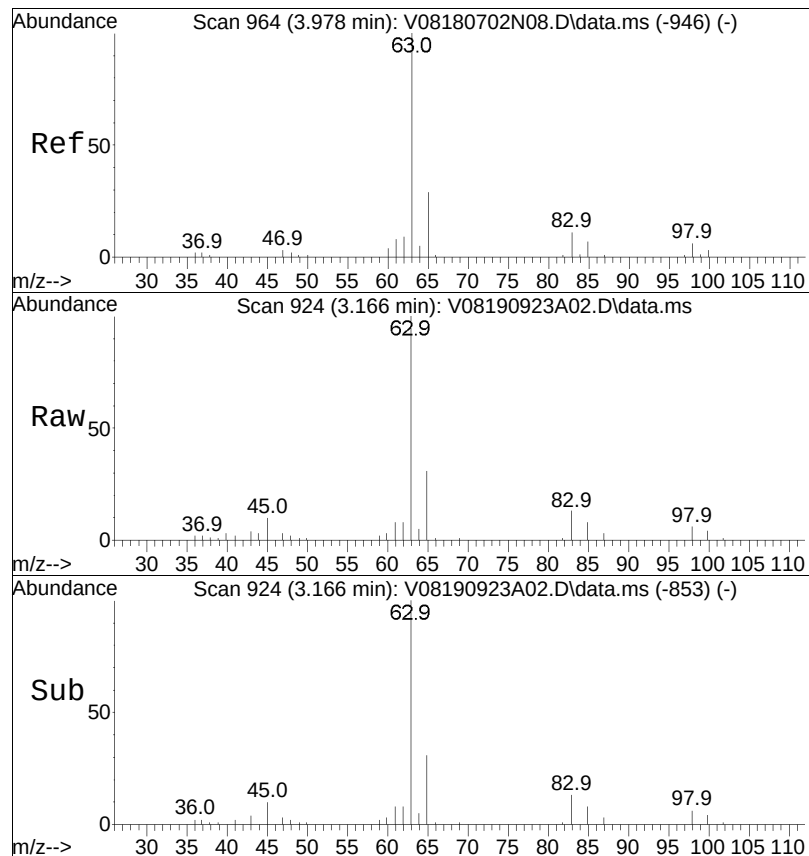
Delta R.T. 0.000 min

Lab File: V08190923A02.D

Acq: 23 Sep 2019 6:50

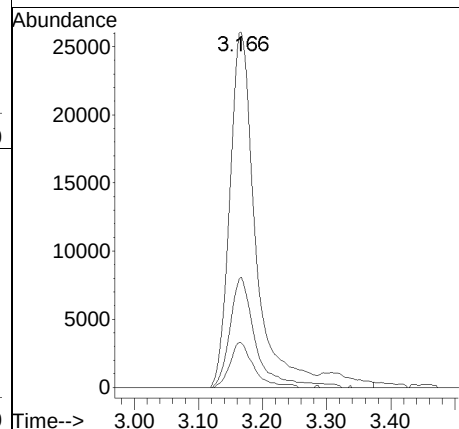
Tgt Ion:	73	Resp:	94748
Ion	Ratio	Lower	Upper
73	100		
57	24.3	17.5	36.3
43	19.5	15.3	31.9
41	22.3	15.3	31.7

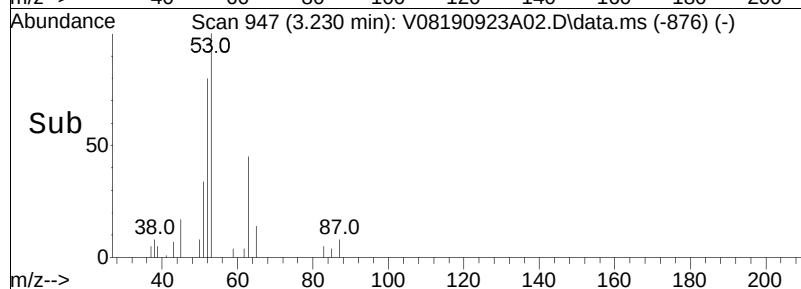
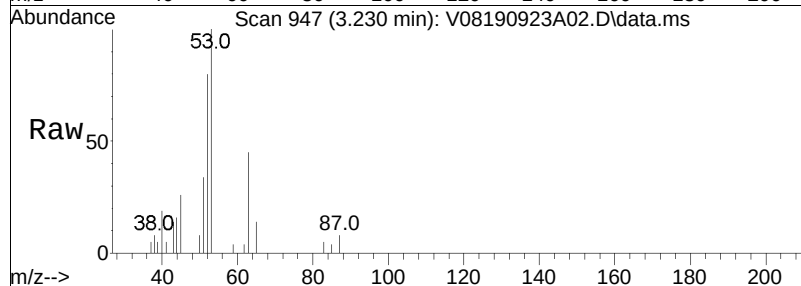
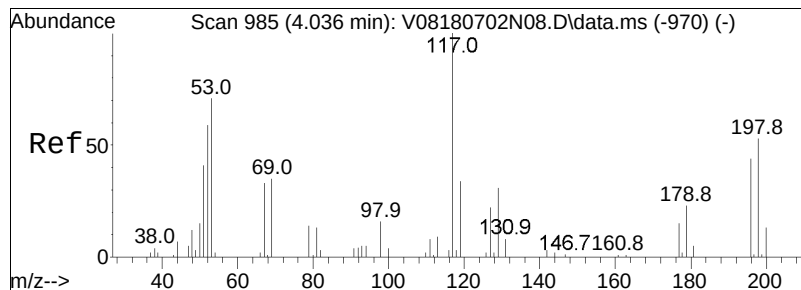




#23
 1,1-Dichloroethane
 Concen: 9.01 ug/L M1
 RT: 3.166 min Scan# 924
 Delta R.T. -0.003 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

Tgt Ion:	63	Resp:	76248
Ion Ratio	Lower	Upper	
63	100		
65	29.1	11.0	51.0
83	10.8	0.0	31.8





#25

Acrylonitrile

Concen: 9.69 ug/L M1

RT: 3.230 min Scan# 947

Delta R.T. -0.003 min

Lab File: V08190923A02.D

Acq: 23 Sep 2019 6:50

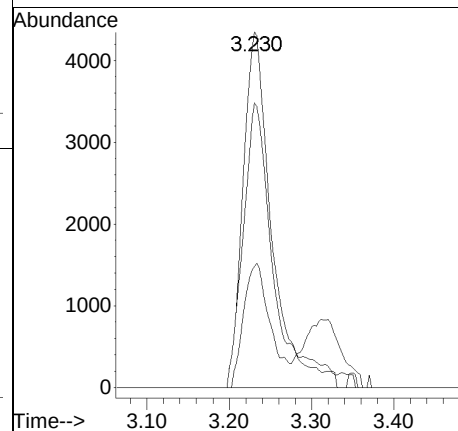
Tgt Ion: 53 Resp: 10998

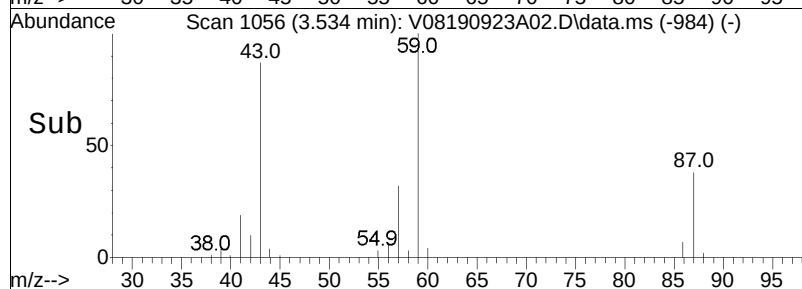
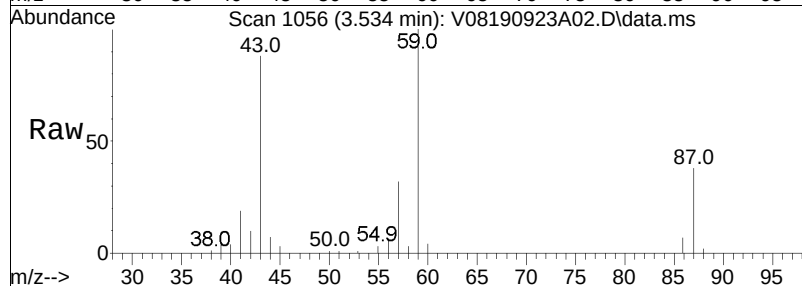
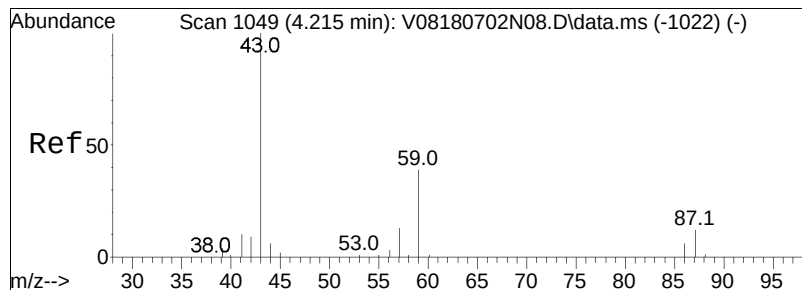
Ion Ratio Lower Upper

53 100

52 77.8 66.7 100.1

51 31.5 30.6 46.0





#27

Vinyl acetate

Concen: 9.84 ug/L M1

RT: 3.534 min Scan# 1056

Delta R.T. 0.000 min

Lab File: V08190923A02.D

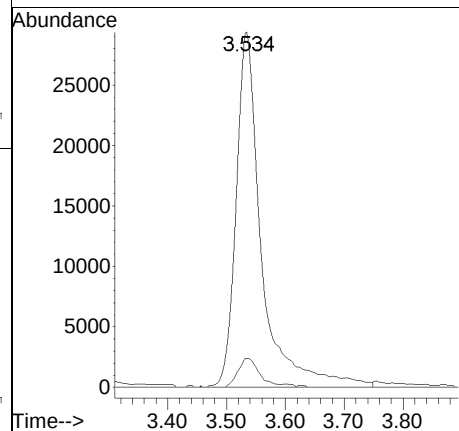
Acq: 23 Sep 2019 6:50

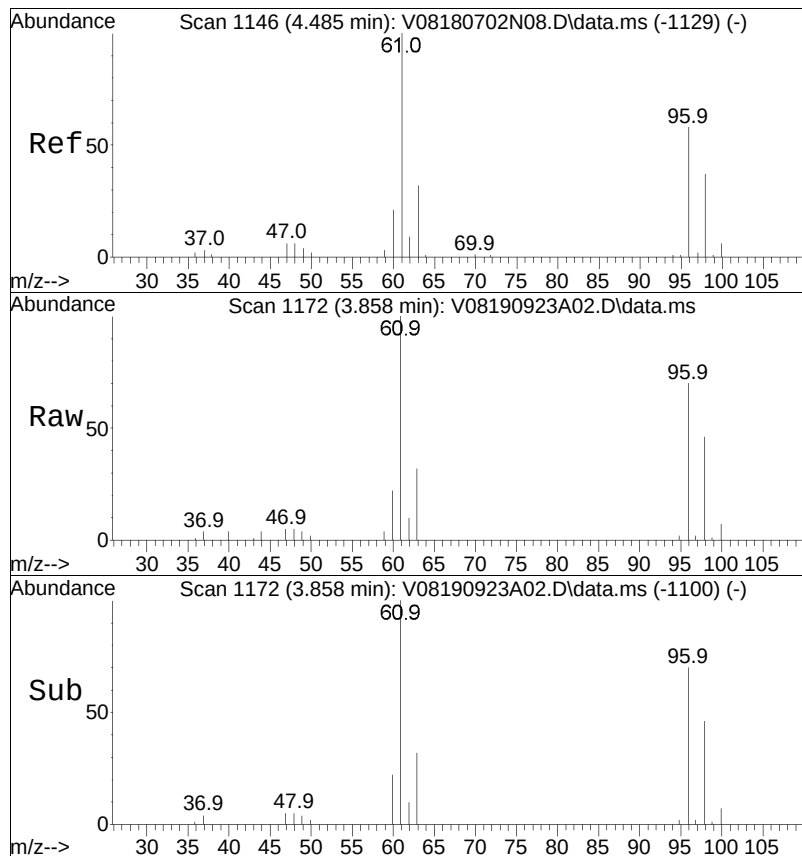
Tgt Ion: 43 Resp: 88577

Ion Ratio Lower Upper

43 100

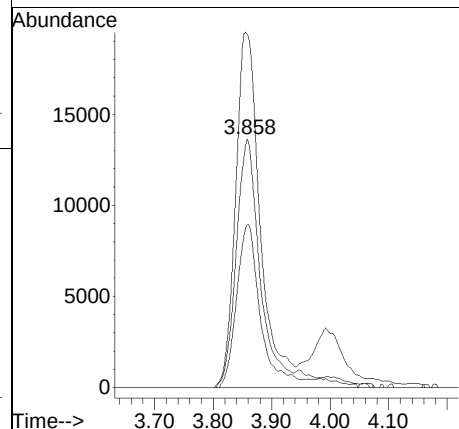
86 6.9 5.2 7.8

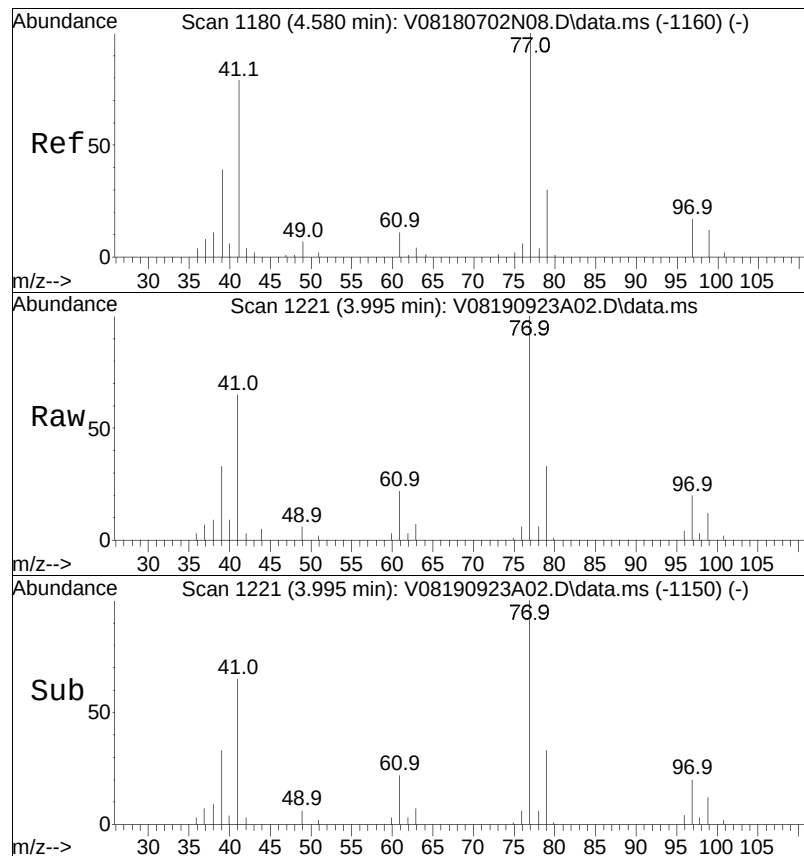




#28
 cis-1,2-Dichloroethene
 Concen: 9.12 ug/L M1
 RT: 3.858 min Scan# 1172
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

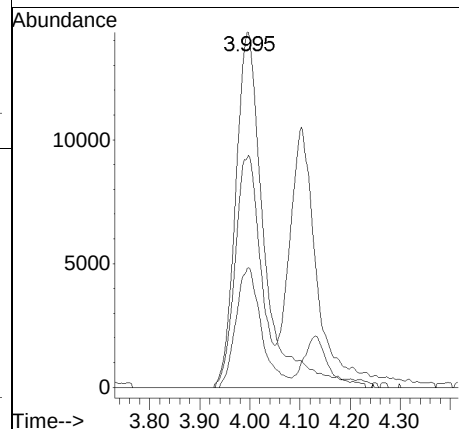
Tgt Ion:	96	Resp:	42257
Ion Ratio	Lower	Upper	
96	100		
61	134.2	149.4	224.2#
98	58.1	53.4	80.2

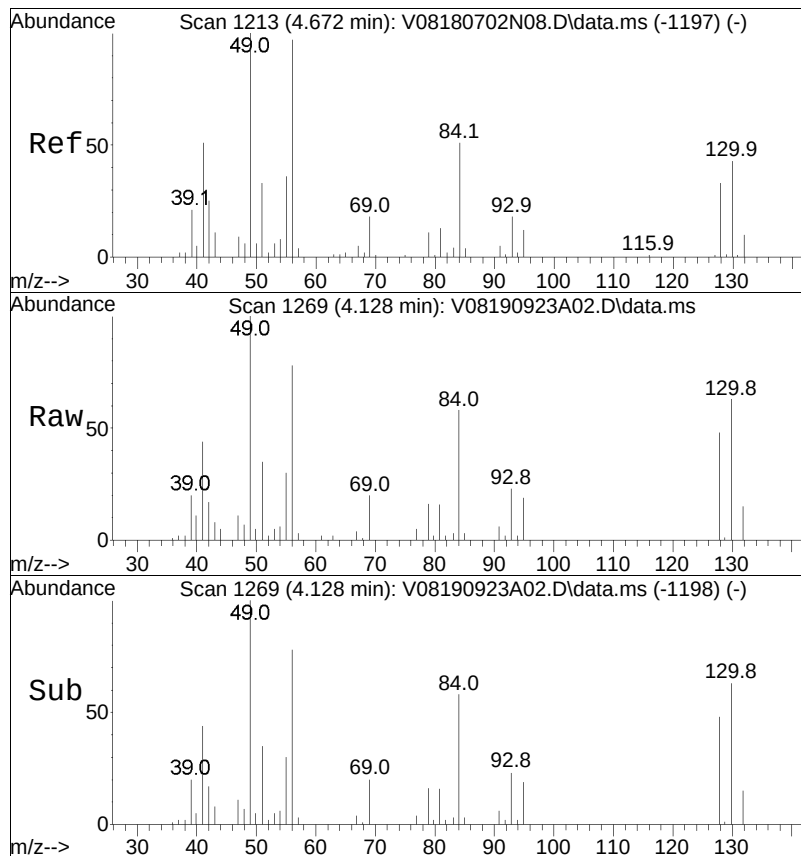




#29
 2,2-Dichloropropane
 Concen: 8.99 ug/L M1
 RT: 3.995 min Scan# 1221
 Delta R.T. -0.003 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

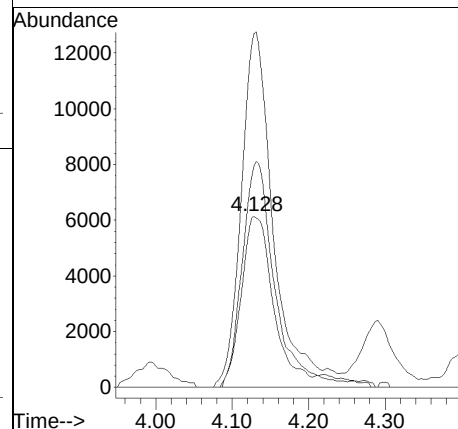
Tgt Ion:	77	Resp:	57199
Ion Ratio	Lower	Upper	
77	100		
41	57.4	38.0	78.8
79	30.2	20.5	42.5

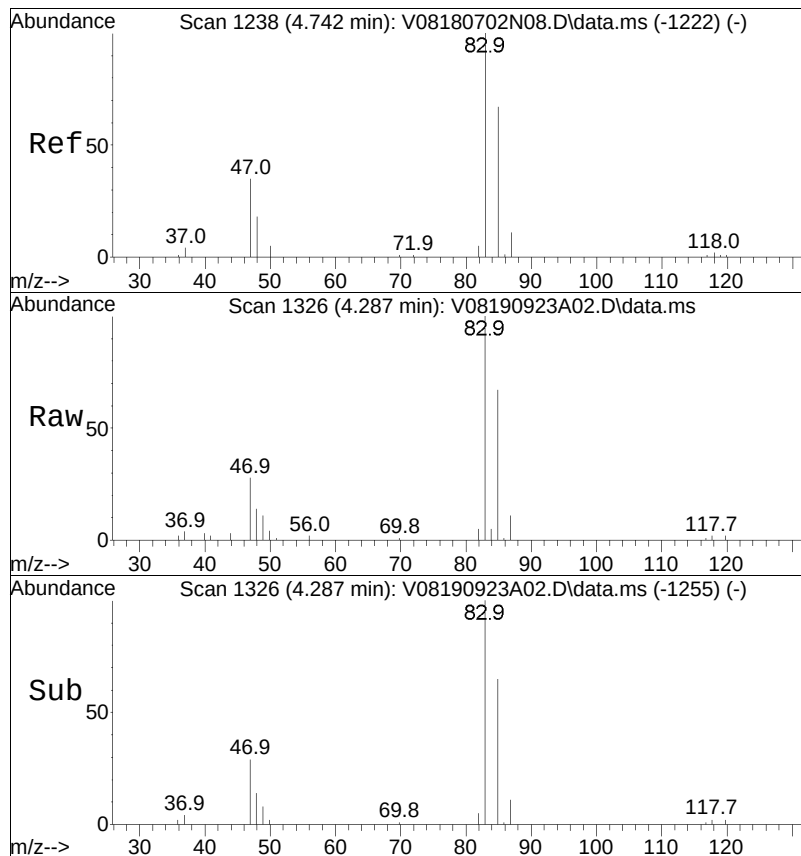




#30
 Bromochloromethane
 Concen: 9.11 ug/L M1
 RT: 4.128 min Scan# 1269
 Delta R.T. -0.003 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

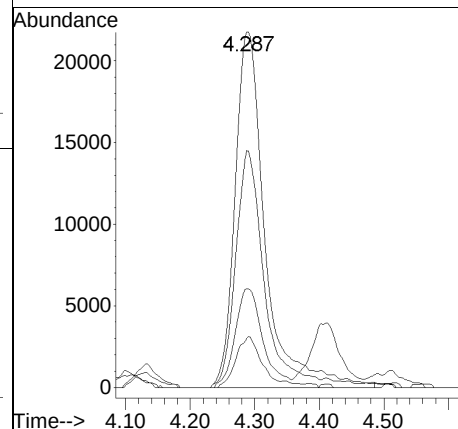
Tgt Ion:	128	Resp:	19188
Ion Ratio	Lower	Upper	
128	100		
49	191.4	223.0	334.4#
130	122.1	111.4	167.0

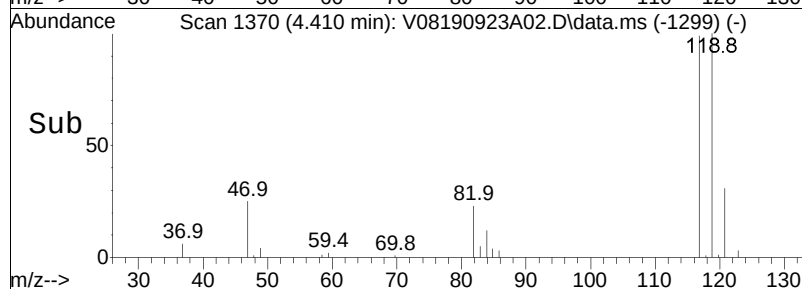
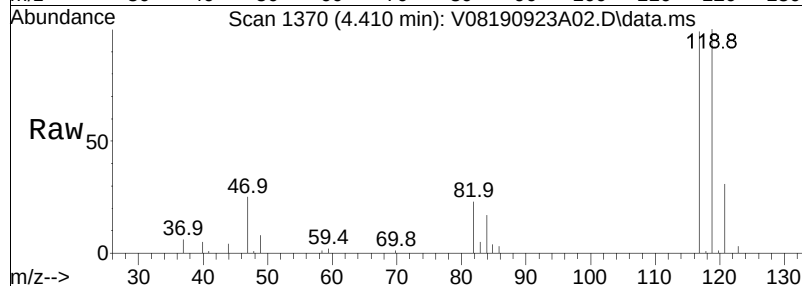
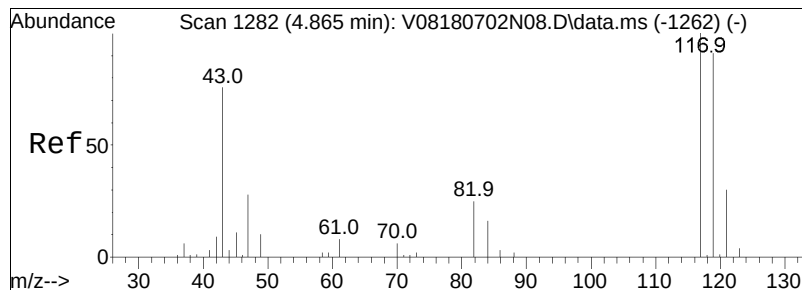




#32
 Chloroform
 Concen: 8.57 ug/L M1
 RT: 4.287 min Scan# 1326
 Delta R.T. -0.003 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

Tgt	Ion: 83	Resp:	70883
Ion	Ratio	Lower	Upper
83	100		
85	62.5	41.5	86.1
47	25.5	19.0	39.4
48	12.0	9.9	20.5





#34

Carbon tetrachloride

Concen: 8.21 ug/L

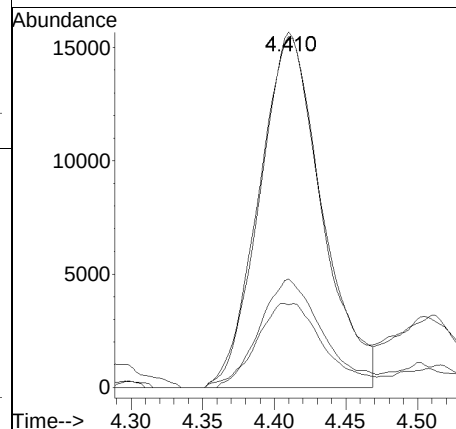
RT: 4.410 min Scan# 1370

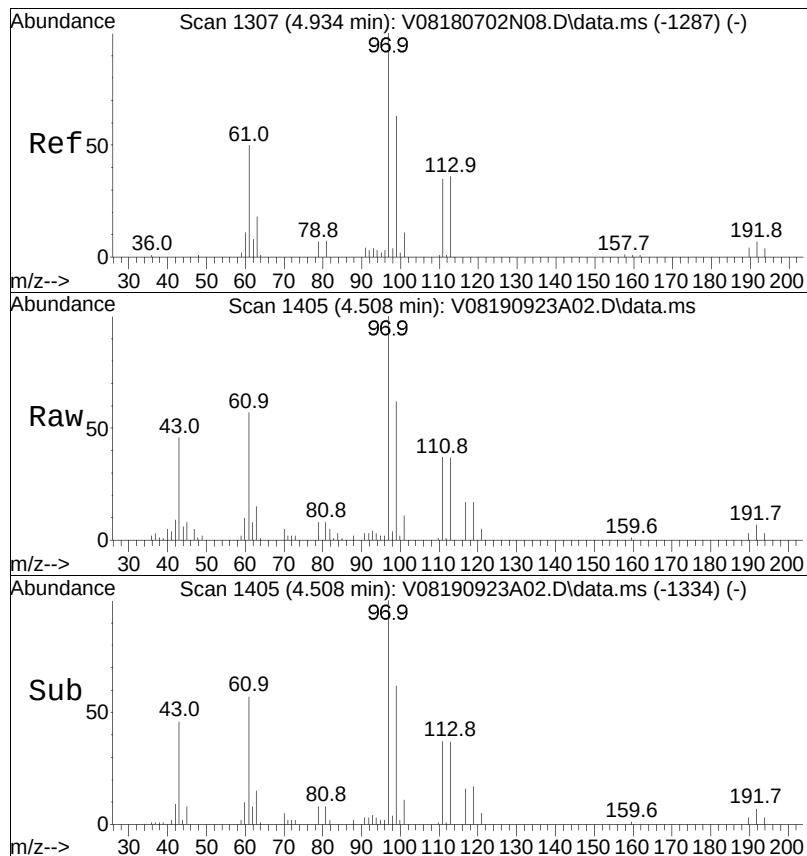
Delta R.T. -0.003 min

Lab File: V08190923A02.D

Acq: 23 Sep 2019 6:50

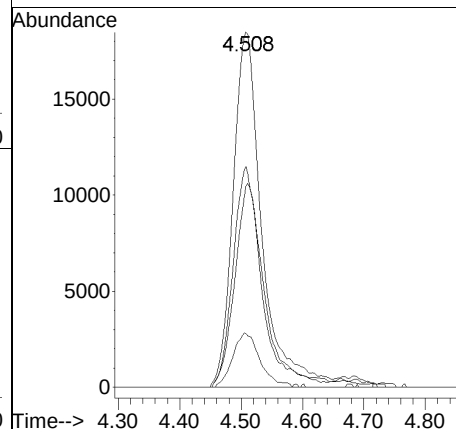
Tgt	Ion:117	Resp:	47767
Ion	Ratio	Lower	Upper
117	100		
119	97.0	62.4	129.6
121	30.5	19.5	40.5
82	25.5	17.0	35.4

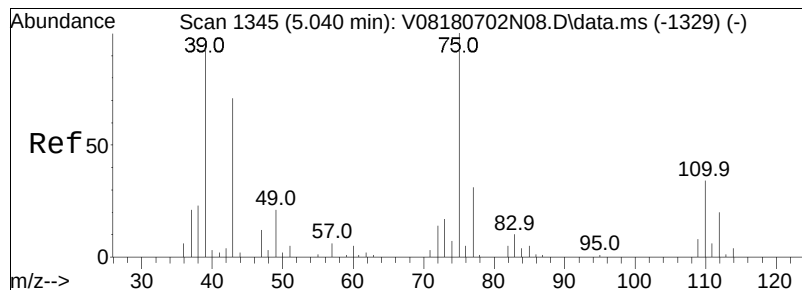




#37
 1,1,1-Trichloroethane
 Concen: 8.45 ug/L M1
 RT: 4.508 min Scan# 1405
 Delta R.T. -0.003 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

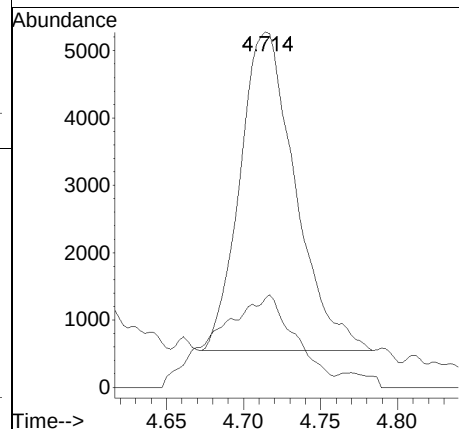
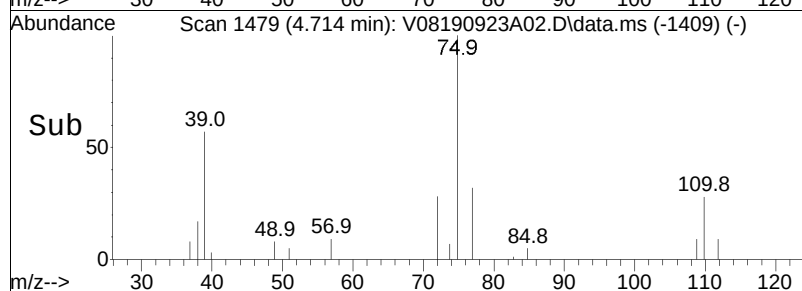
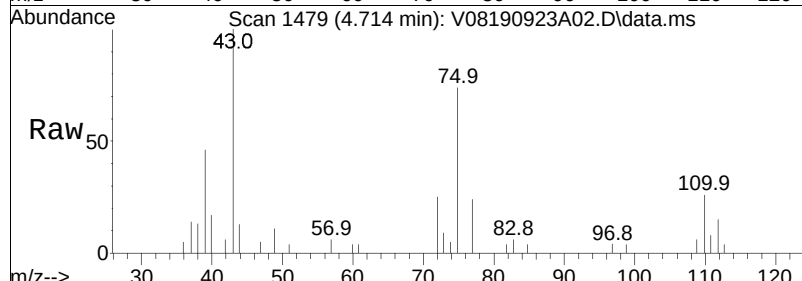
Tgt Ion:	97	Resp:	61767
Ion Ratio	Lower	Upper	
97	100		
99	60.7	40.7	84.5
61	57.4	35.4	73.4
63	14.3	5.0	10.4#

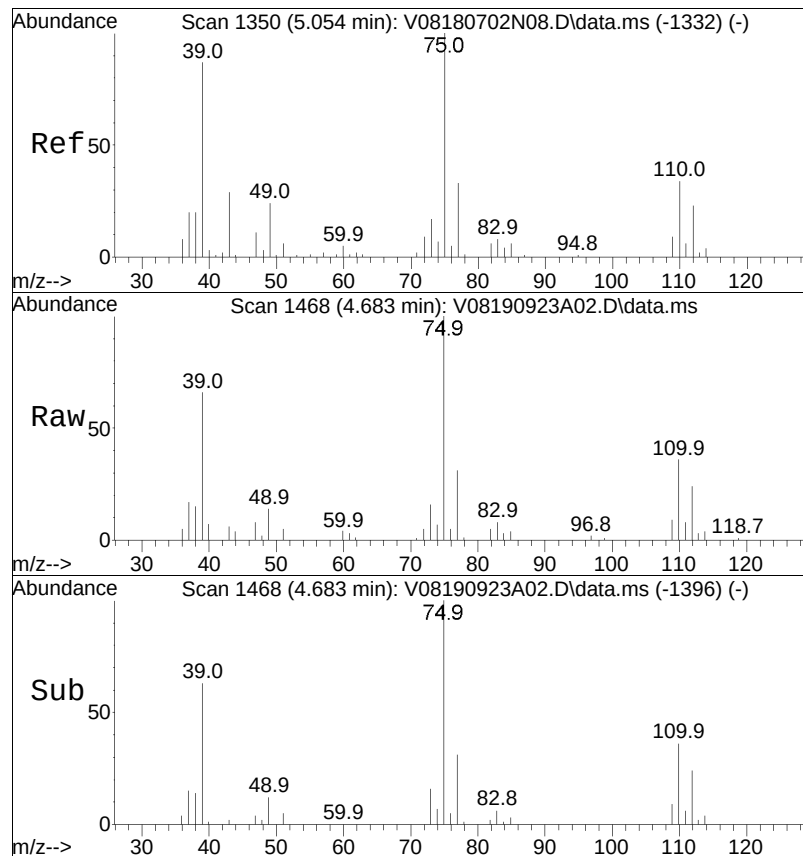




#39
 2-Butanone
 Concen: 8.58 ug/L
 RT: 4.714 min Scan# 1479
 Delta R.T. -0.006 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

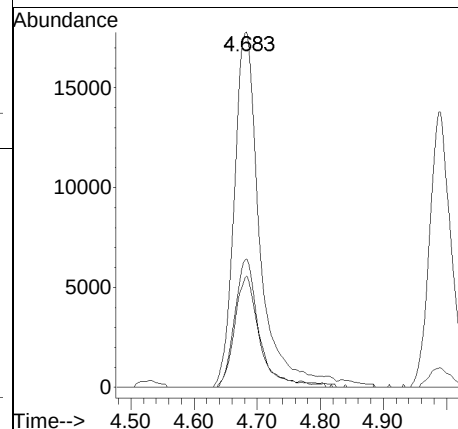
Tgt Ion: 43 Resp: 11835
 Ion Ratio Lower Upper
 43 100
 72 41.7 10.9 16.3#

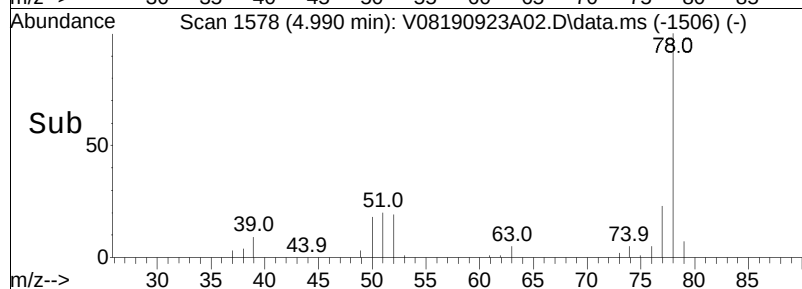
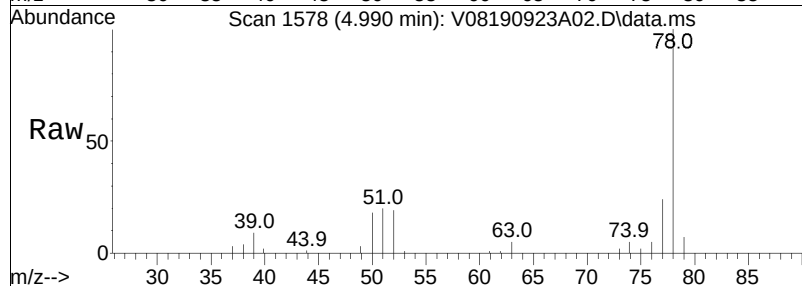
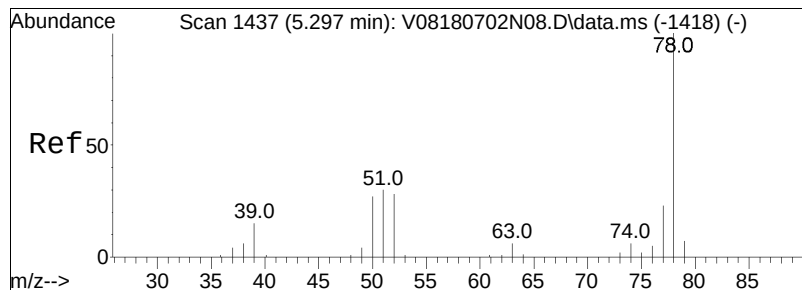




#40
 1,1-Dichloropropene
 Concen: 8.80 ug/L M1
 RT: 4.683 min Scan# 1468
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

Tgt	Ion: 75	Resp:	51385
Ion	Ratio	Lower	Upper
75	100		
110	32.9	20.2	41.9
77	29.2	20.1	41.7





#41

Benzene

Concen: 8.48 ug/L M1

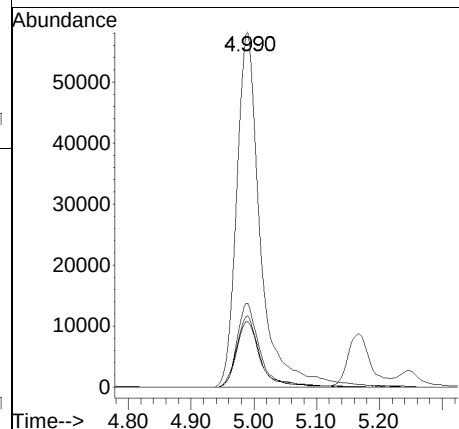
RT: 4.990 min Scan# 1578

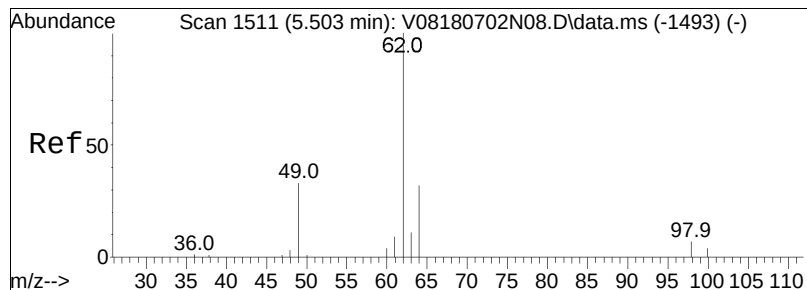
Delta R.T. 0.000 min

Lab File: V08190923A02.D

Acq: 23 Sep 2019 6:50

Tgt	Ion: 78	Resp:	153913
Ion	Ratio	Lower	Upper
78	100		
77	22.4	15.7	32.7
51	18.8	16.0	33.2
52	18.3	15.3	31.9





#44

1,2-Dichloroethane

Concen: 8.41 ug/L M1

RT: 5.247 min Scan# 1670

Delta R.T. -0.003 min

Lab File: V08190923A02.D

Acq: 23 Sep 2019 6:50

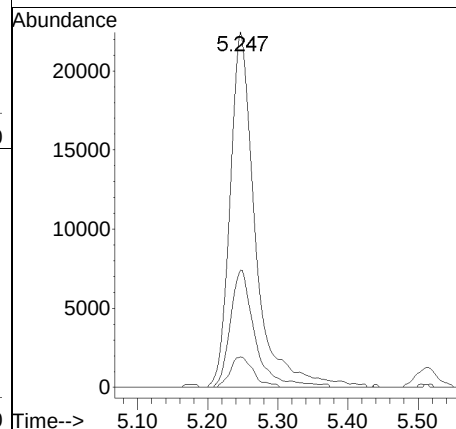
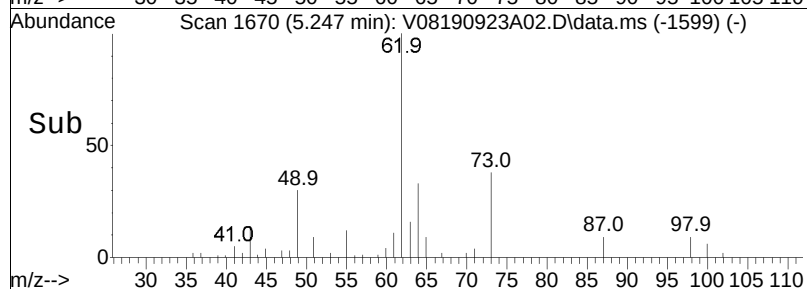
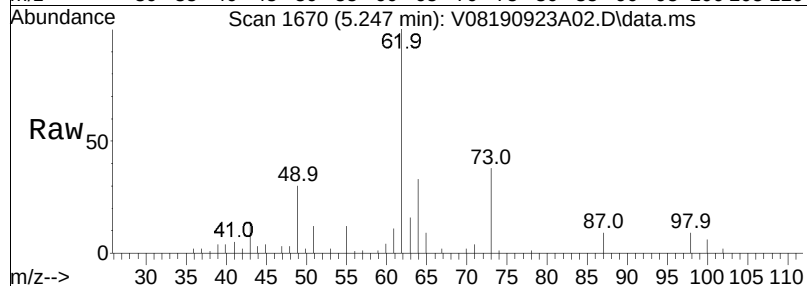
Tgt Ion: 62 Resp: 56838

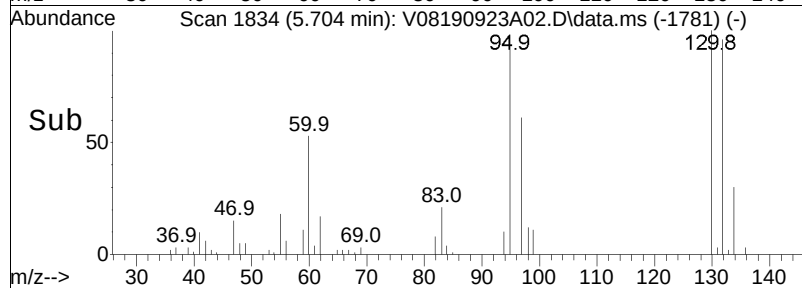
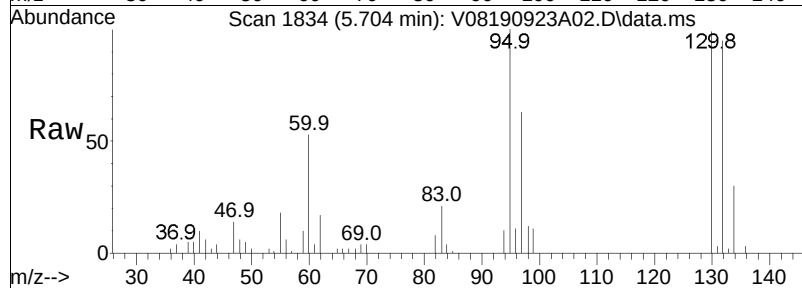
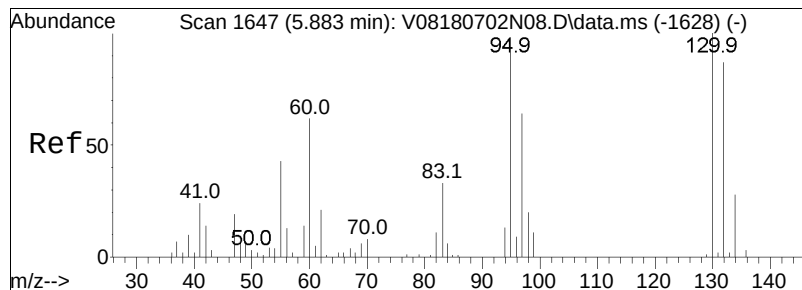
Ion Ratio Lower Upper

62 100

64 30.7 11.2 51.2

98 8.0 0.0 26.1





#48

Trichloroethene

Concen: 8.32 ug/L M1

RT: 5.704 min Scan# 1834

Delta R.T. -0.003 min

Lab File: V08190923A02.D

Acq: 23 Sep 2019 6:50

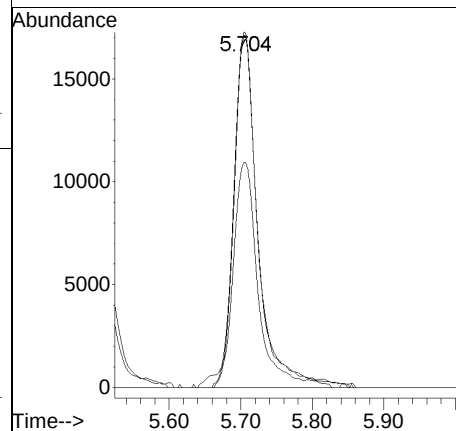
Tgt Ion: 95 Resp: 40705

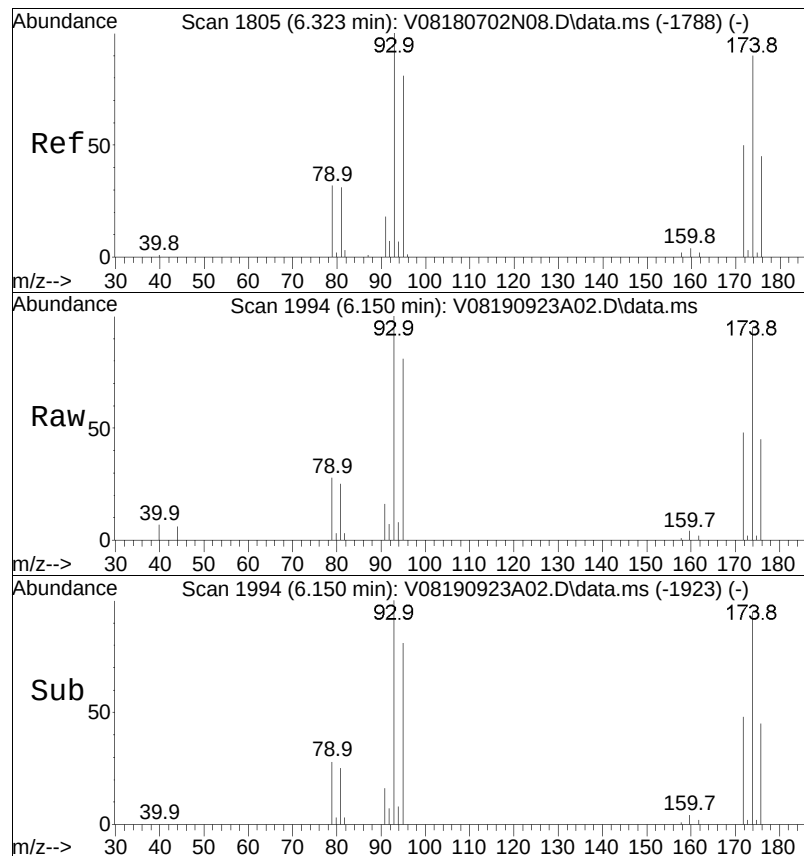
Ion Ratio Lower Upper

95 100

97 65.5 55.5 83.3

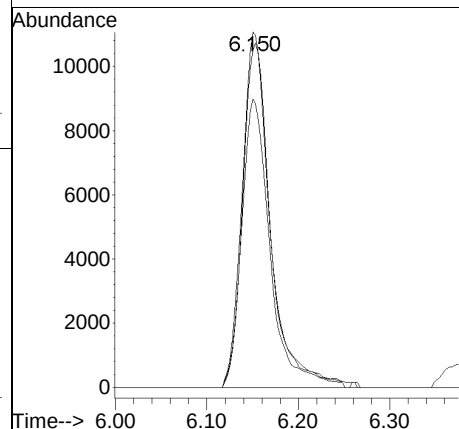
130 97.7 76.6 115.0

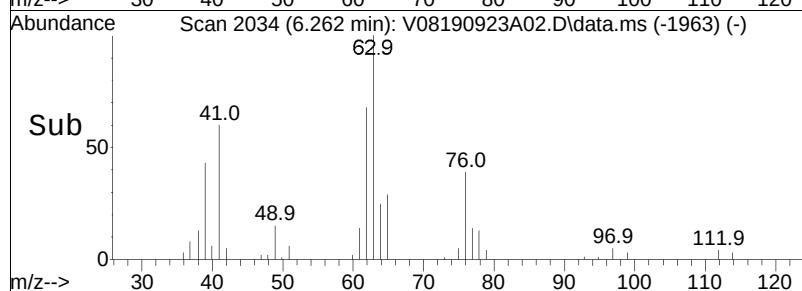
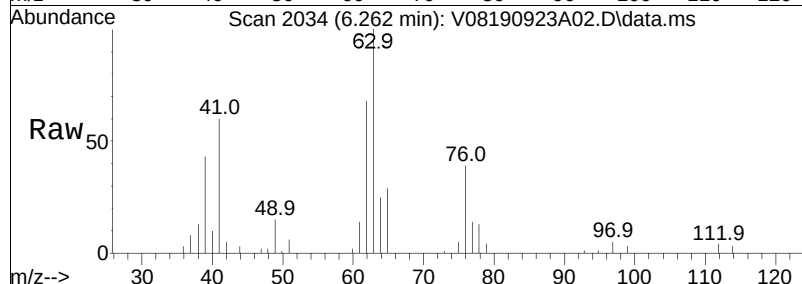
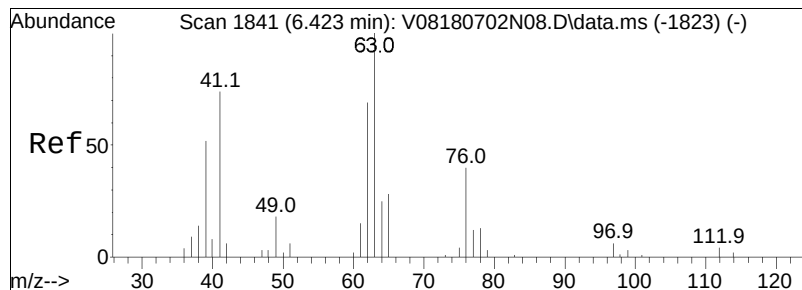




#50
 Dibromomethane
 Concen: 8.68 ug/L M1
 RT: 6.150 min Scan# 1994
 Delta R.T. -0.003 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

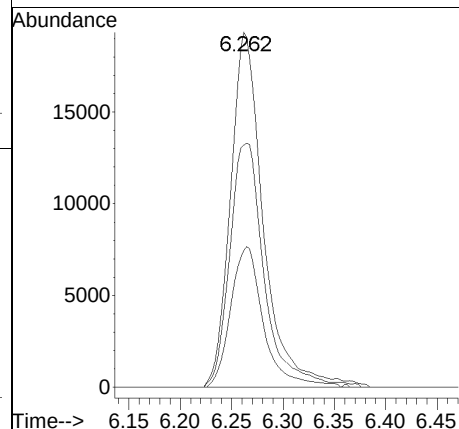
Tgt Ion:	93	Resp:	23844
Ion Ratio	Lower	Upper	
93	100		
95	81.5	67.0	100.4
174	95.4	75.0	112.4

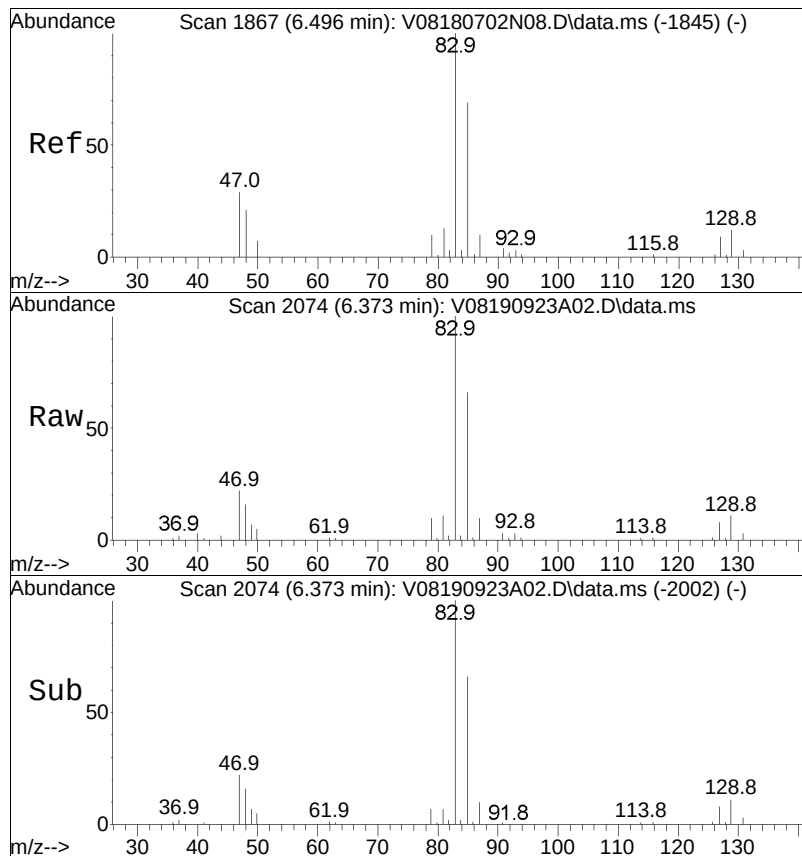




#51
 1,2-Dichloropropane
 Concen: 9.01 ug/L
 RT: 6.262 min Scan# 2034
 Delta R.T. -0.003 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

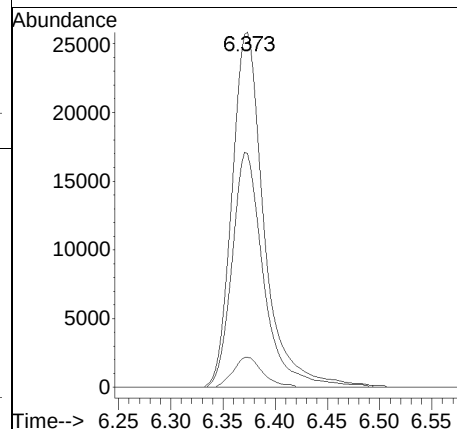
Tgt Ion:	63	Resp:	43461
Ion Ratio	Lower	Upper	
63	100		
62	71.4	58.6	87.8
76	39.5	38.0	57.0

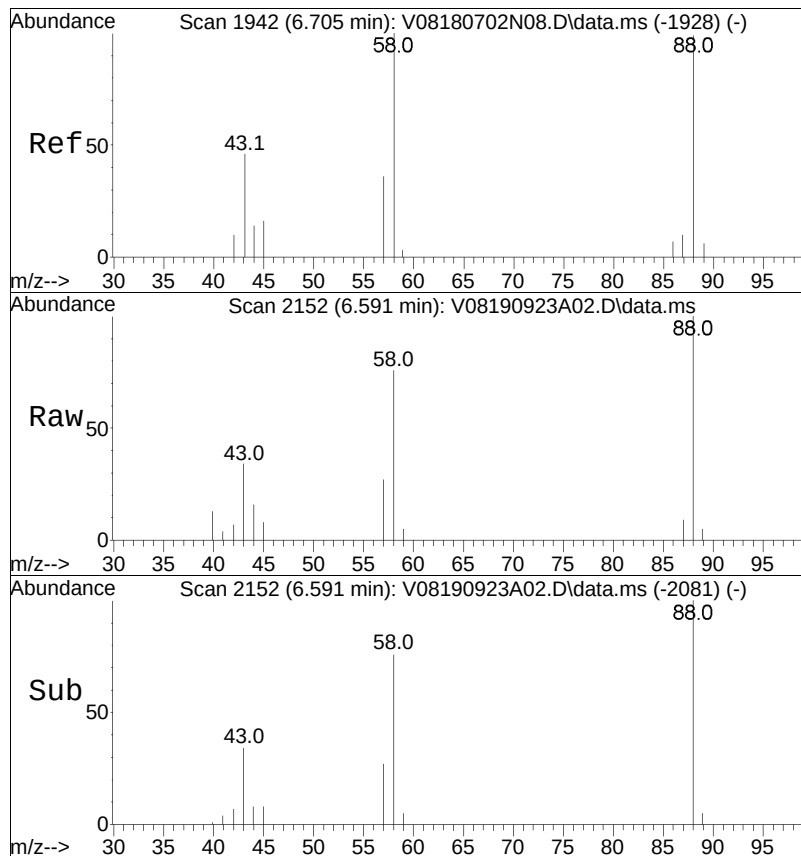




#54
 Bromodichloromethane
 Concen: 8.29 ug/L
 RT: 6.373 min Scan# 2074
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

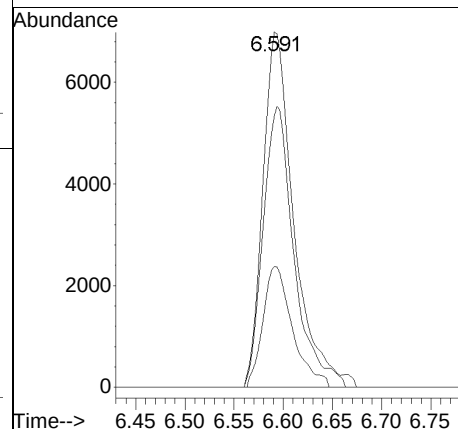
Tgt Ion:	83	Resp:	55583
Ion Ratio	Lower	Upper	
83	100		
85	65.3	52.3	78.5
127	7.8	6.2	9.4

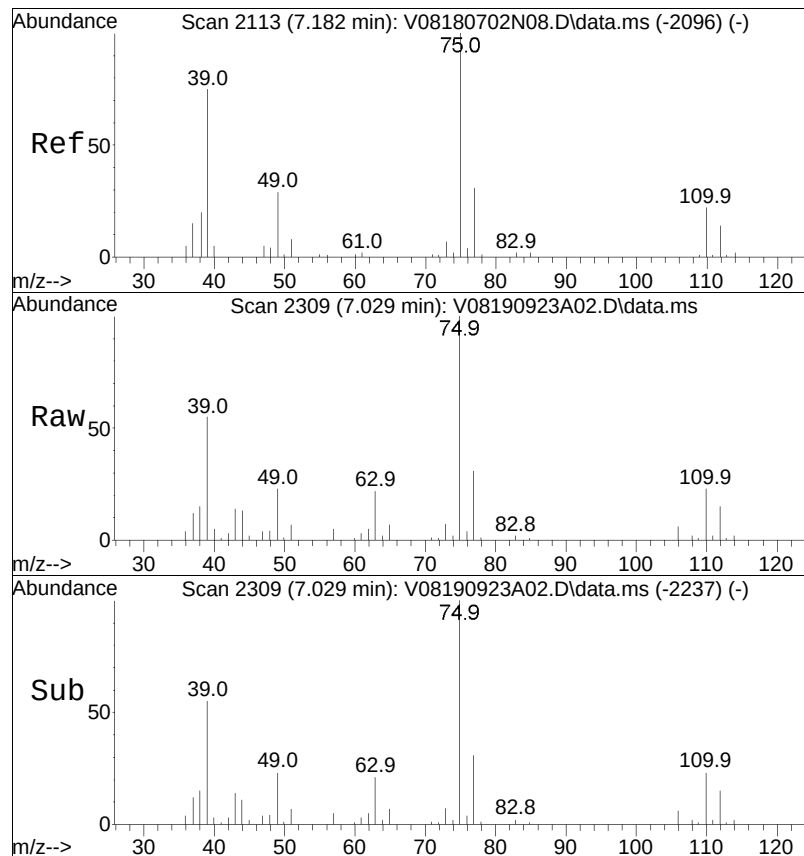




#57
 1,4-Dioxane
 Concen: 647.89 ug/L M1
 RT: 6.591 min Scan# 2152
 Delta R.T. -0.003 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

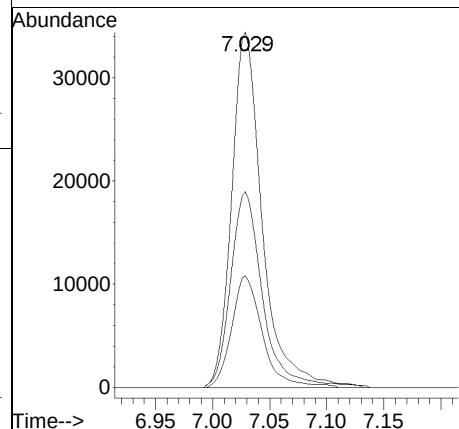
Tgt Ion:	88	Resp:	15326
Ion Ratio	Lower	Upper	
88	100		
58	78.7	76.7	115.1
43	32.5	36.2	54.2#

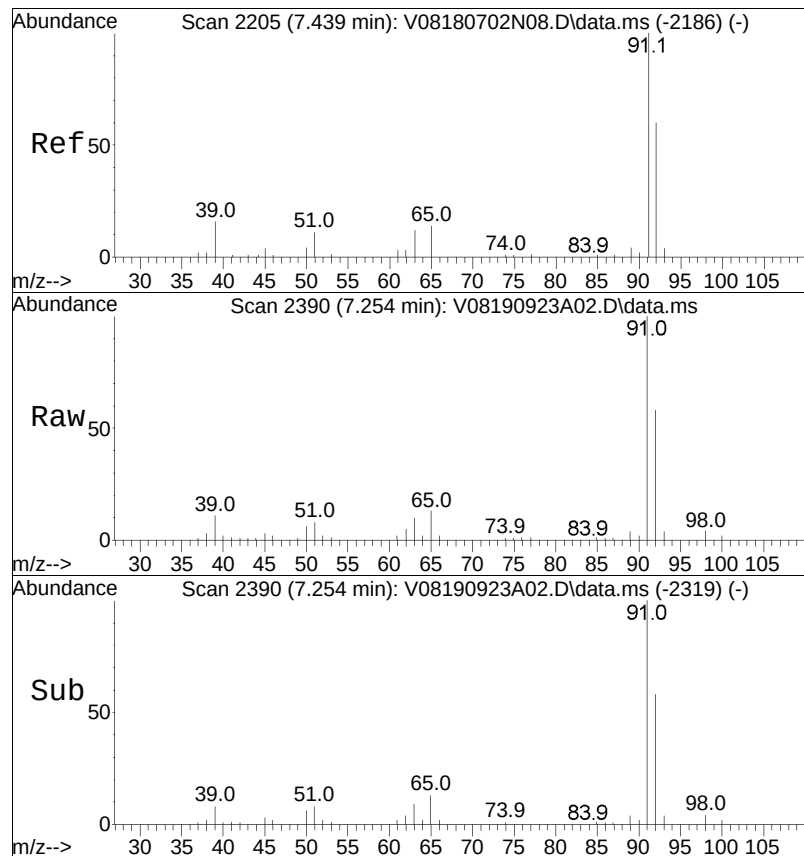




#58
 cis-1,3-Dichloropropene
 Concen: 8.51 ug/L
 RT: 7.029 min Scan# 2309
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

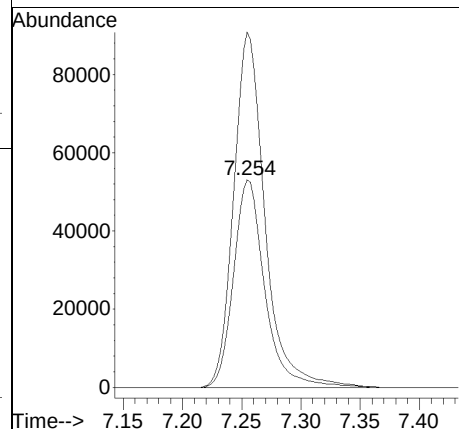
Tgt	Ion: 75	Resp:	64392
Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.4
39	57.4	50.1	75.1

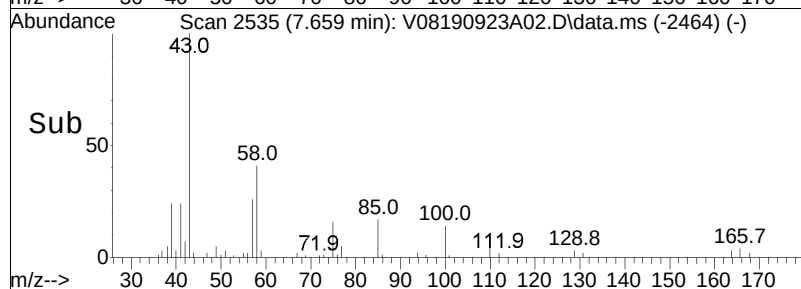
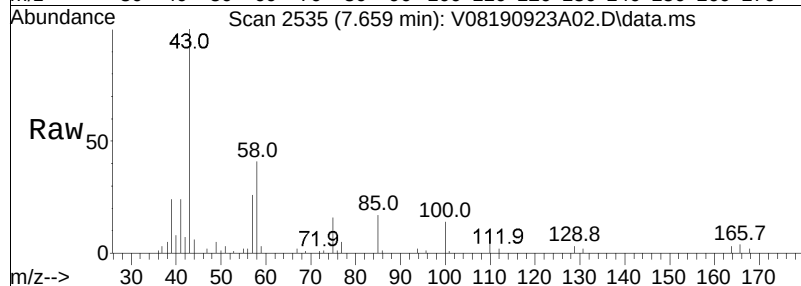
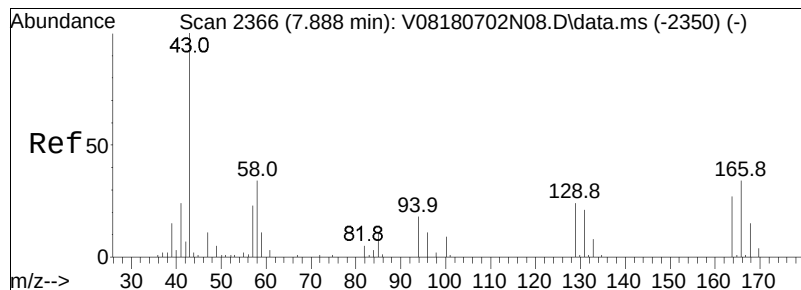




#61
 Toluene
 Concen: 8.94 ug/L
 RT: 7.254 min Scan# 2390
 Delta R.T. -0.003 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

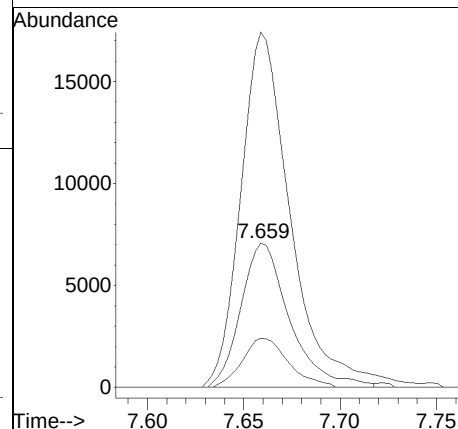
Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.6	139.8	209.6

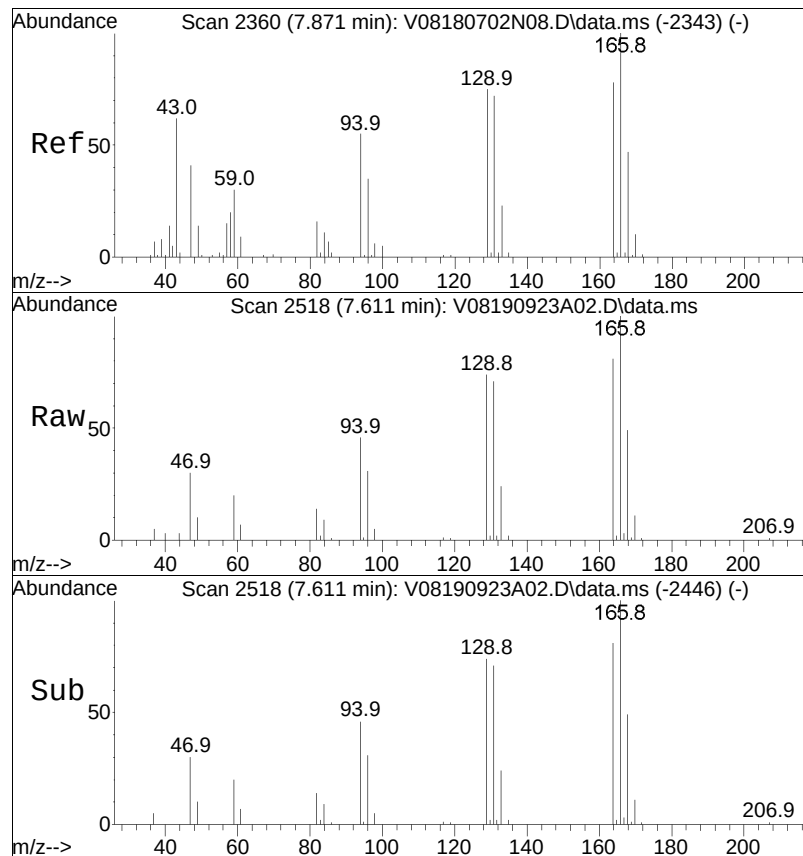




#62
 4-Methyl-2-pentanone
 Concen: 9.25 ug/L
 RT: 7.659 min Scan# 2535
 Delta R.T. -0.003 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

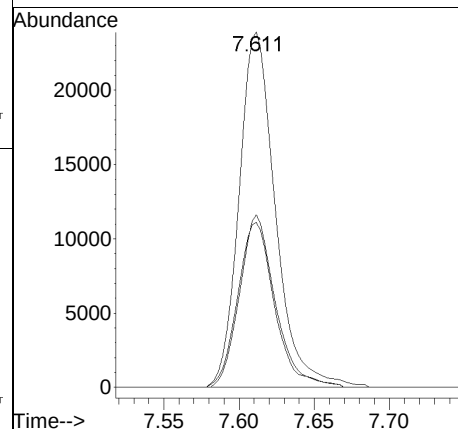
Tgt Ion	Ratio	Lower	Upper
58	100		
100	32.3	20.2	30.2#
43	251.3	196.6	295.0

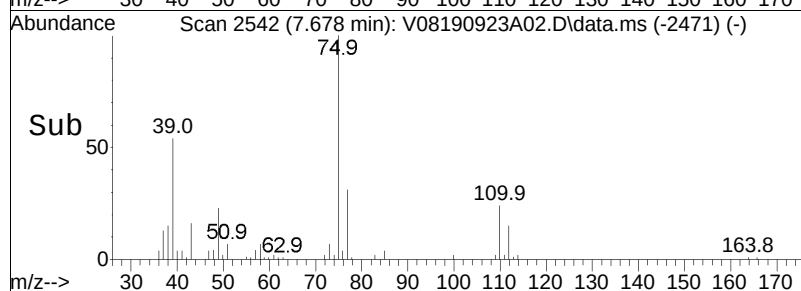
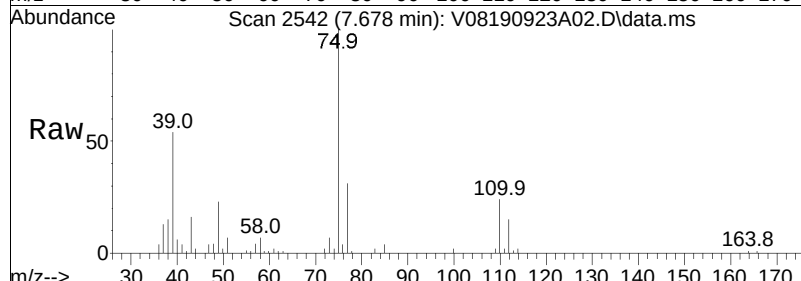
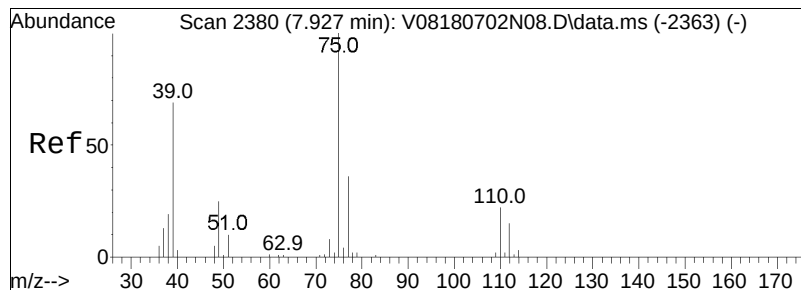




#63
 Tetrachloroethene
 Concen: 8.76 ug/L
 RT: 7.611 min Scan# 2518
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

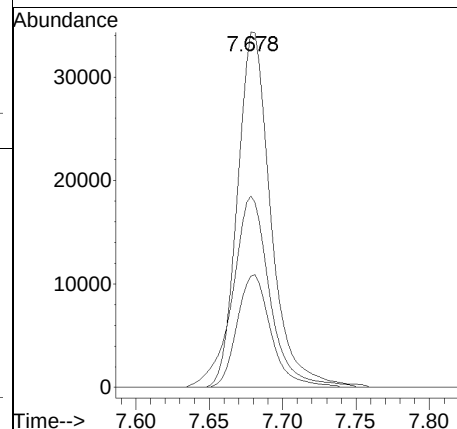
Tgt Ion:	166	Resp:	40330
Ion Ratio	Lower	Upper	
166	100		
168	47.8	28.2	68.2
94	47.2	38.4	78.4

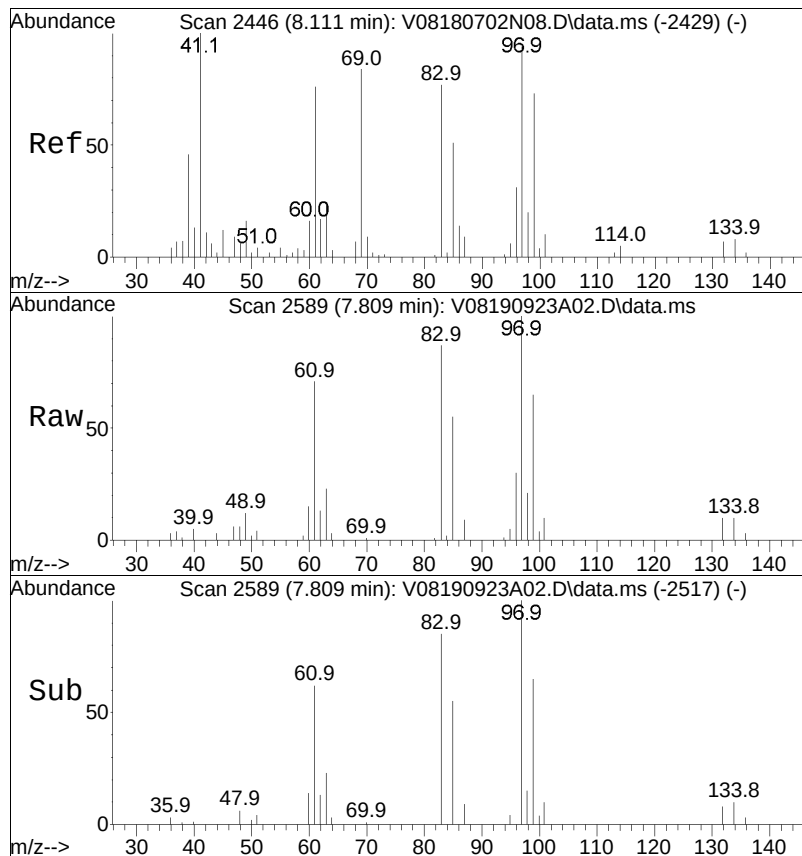




#65
 trans-1,3-Dichloropropene
 Concen: 8.69 ug/L
 RT: 7.678 min Scan# 2542
 Delta R.T. -0.003 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

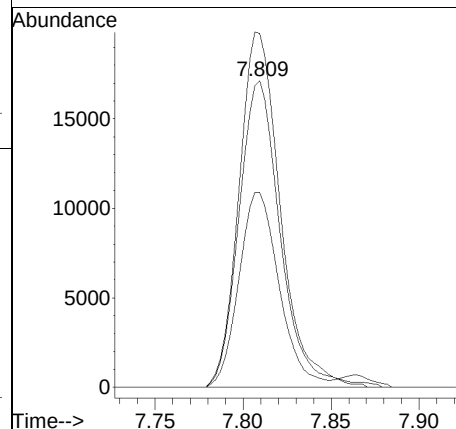
Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	12.4	52.4
39	60.2	42.8	82.8

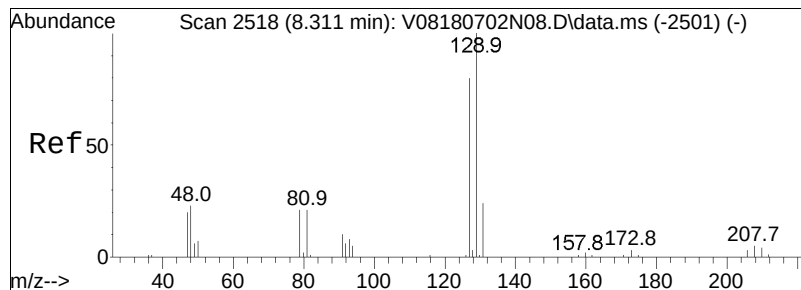




#68
 1,1,2-Trichloroethane
 Concen: 9.13 ug/L
 RT: 7.809 min Scan# 2589
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

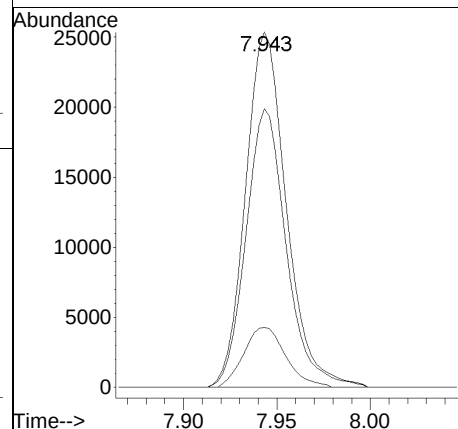
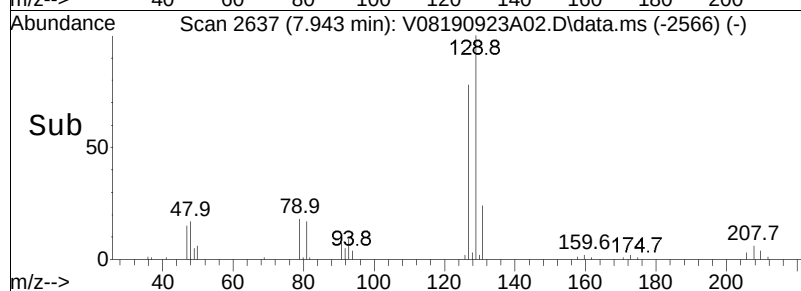
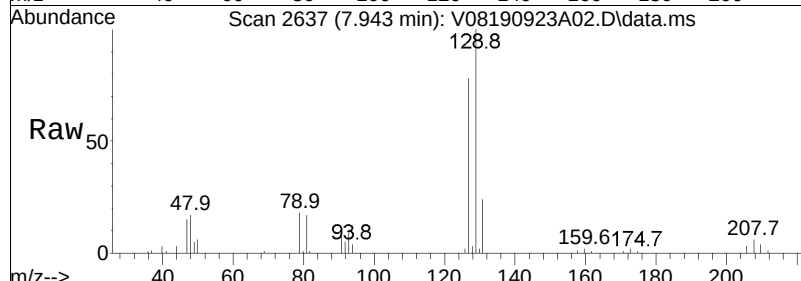
Tgt Ion	Ratio	Lower	Upper
83	100		
97	116.9	89.8	129.8
85	62.4	44.4	84.4

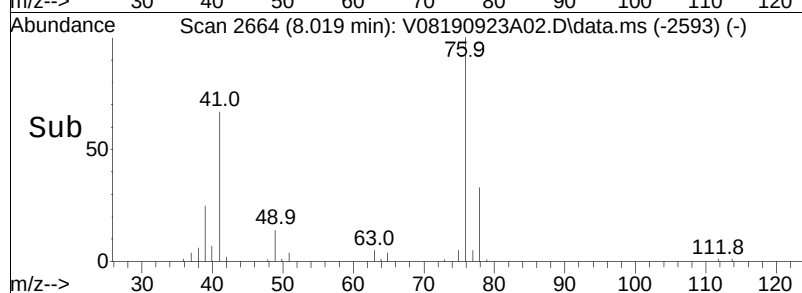
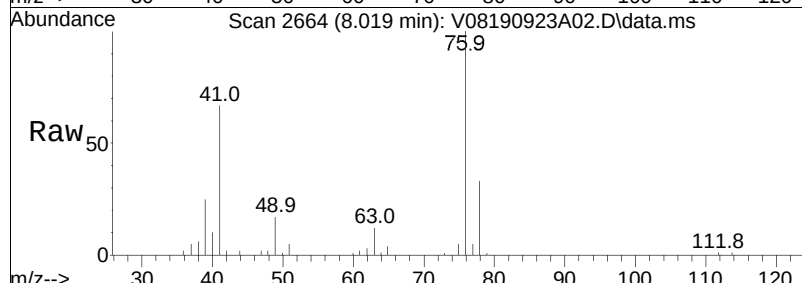
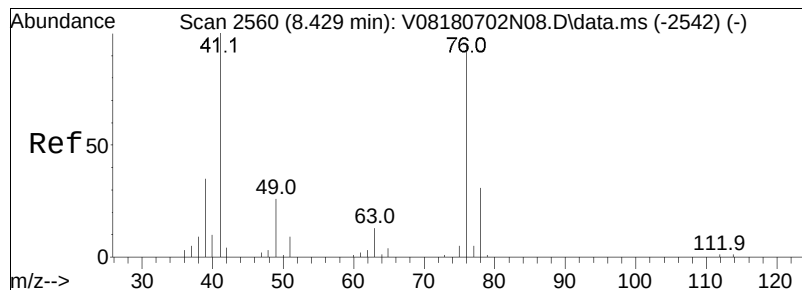




#69
 Chlorodibromomethane
 Concen: 8.68 ug/L
 RT: 7.943 min Scan# 2637
 Delta R.T. -0.003 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

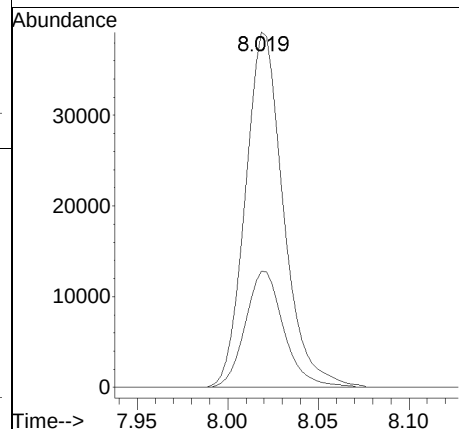
Tgt Ion	Ratio	Lower	Upper
129	100		
81	17.4	2.9	42.9
127	77.6	57.8	97.8

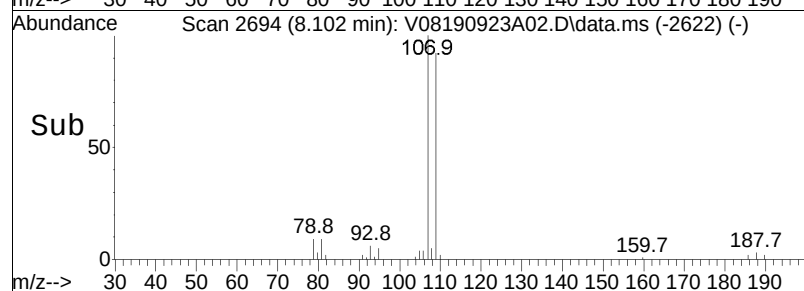
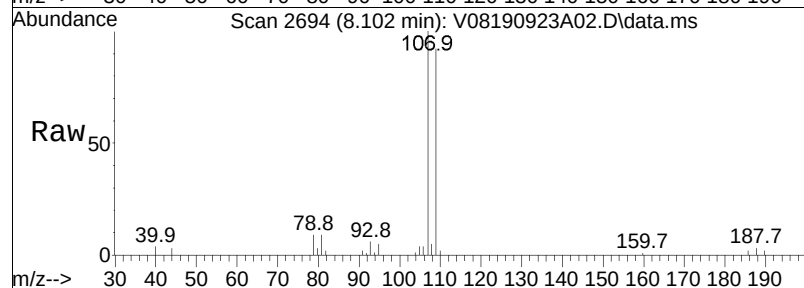
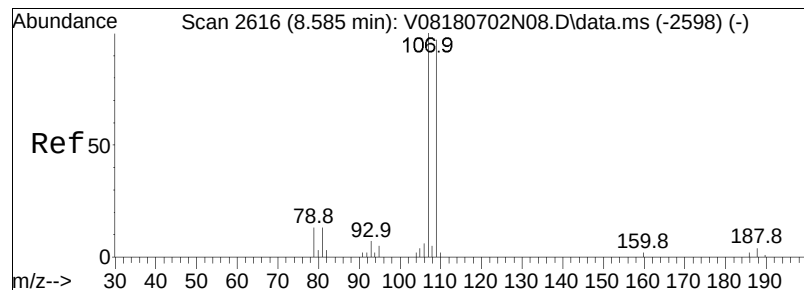




#70
 1,3-Dichloropropane
 Concen: 9.07 ug/L
 RT: 8.019 min Scan# 2664
 Delta R.T. -0.003 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

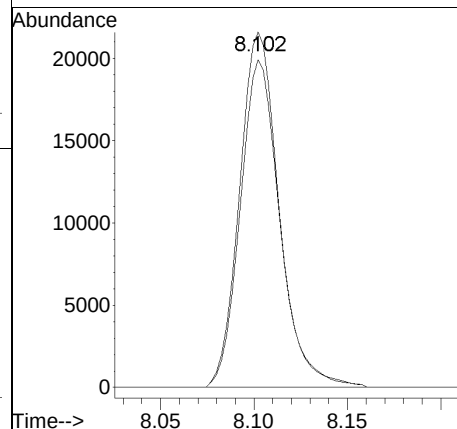
Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.5	38.3

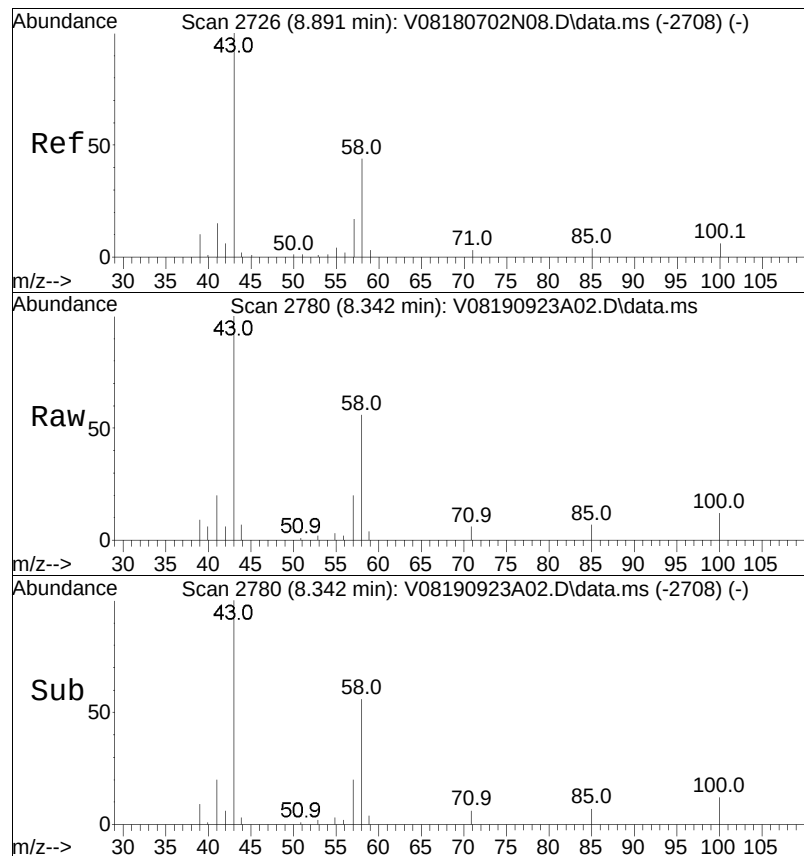




#71
 1,2-Dibromoethane
 Concen: 8.95 ug/L
 RT: 8.102 min Scan# 2694
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

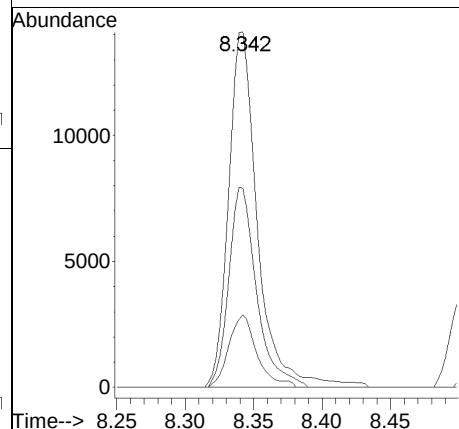
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.4	74.3	111.5

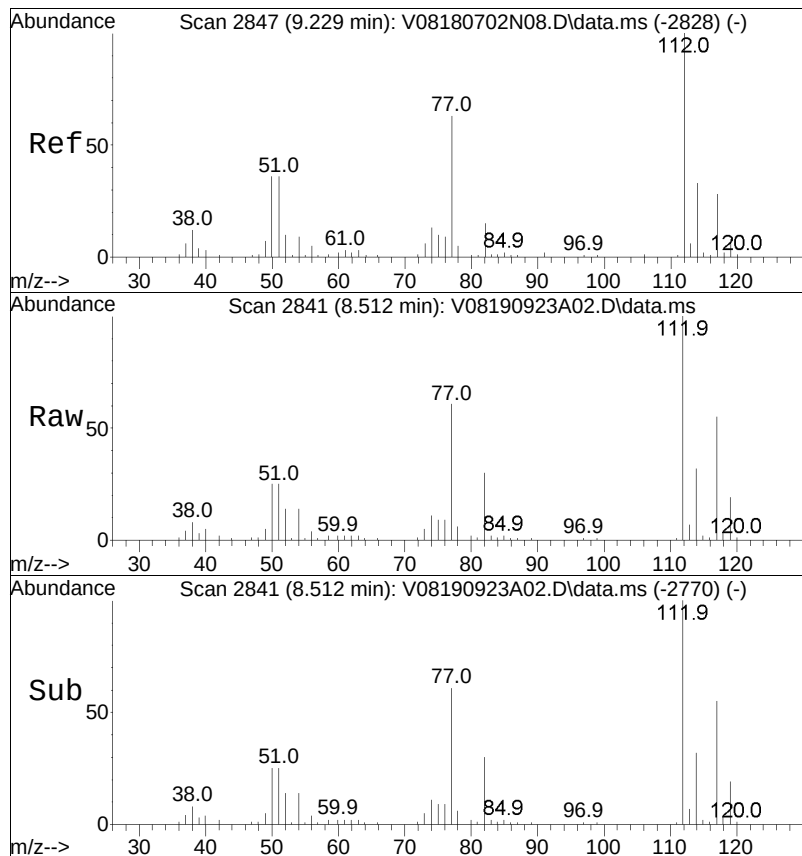




#72
 2-Hexanone
 Concen: 9.02 ug/L
 RT: 8.342 min Scan# 2780
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

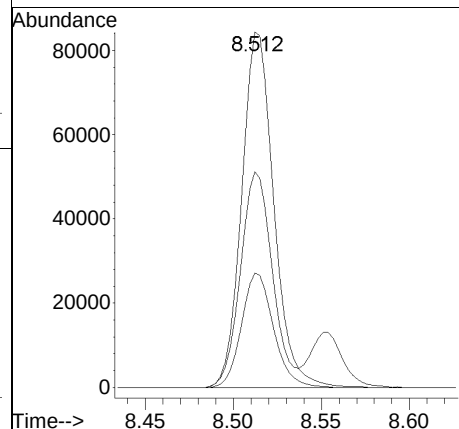
Tgt Ion:	43	Resp:	20865
Ion Ratio	Lower	Upper	
43	100		
58	54.0	41.2	61.8
57	19.8	17.2	25.8

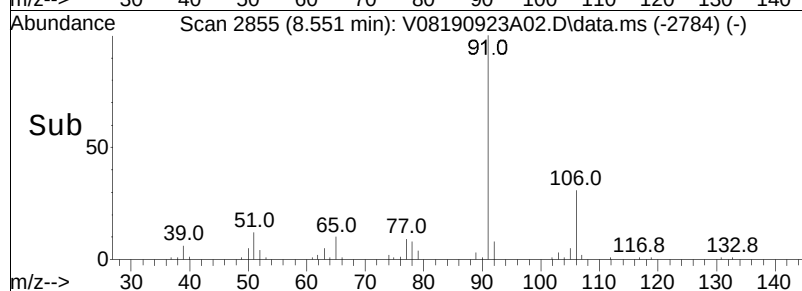
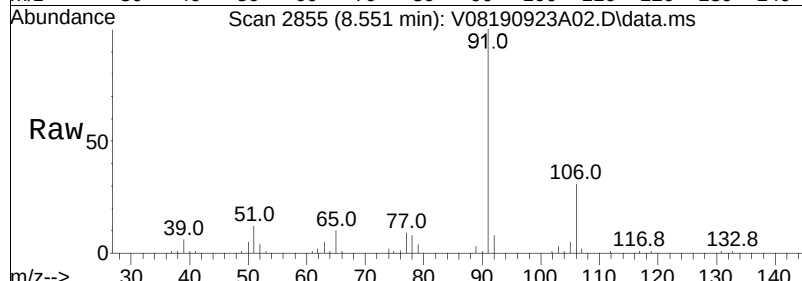
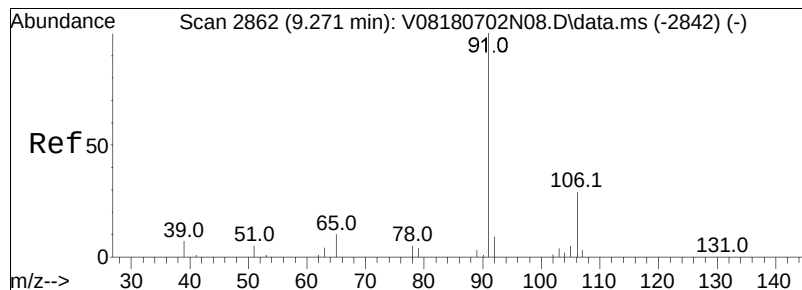




#73
 Chlorobenzene
 Concen: 8.88 ug/L
 RT: 8.512 min Scan# 2841
 Delta R.T. -0.003 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

Tgt	Ion:112	Resp:	106812
Ion	Ratio	Lower	Upper
112	100		
77	60.8	55.4	83.0
114	32.1	25.4	38.2





#74

Ethylbenzene

Concen: 8.90 ug/L

RT: 8.551 min Scan# 2855

Delta R.T. -0.003 min

Lab File: V08190923A02.D

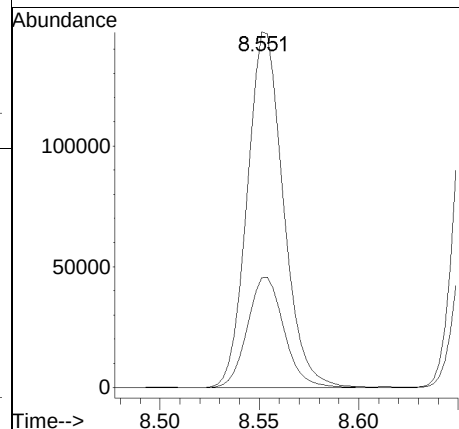
Acq: 23 Sep 2019 6:50

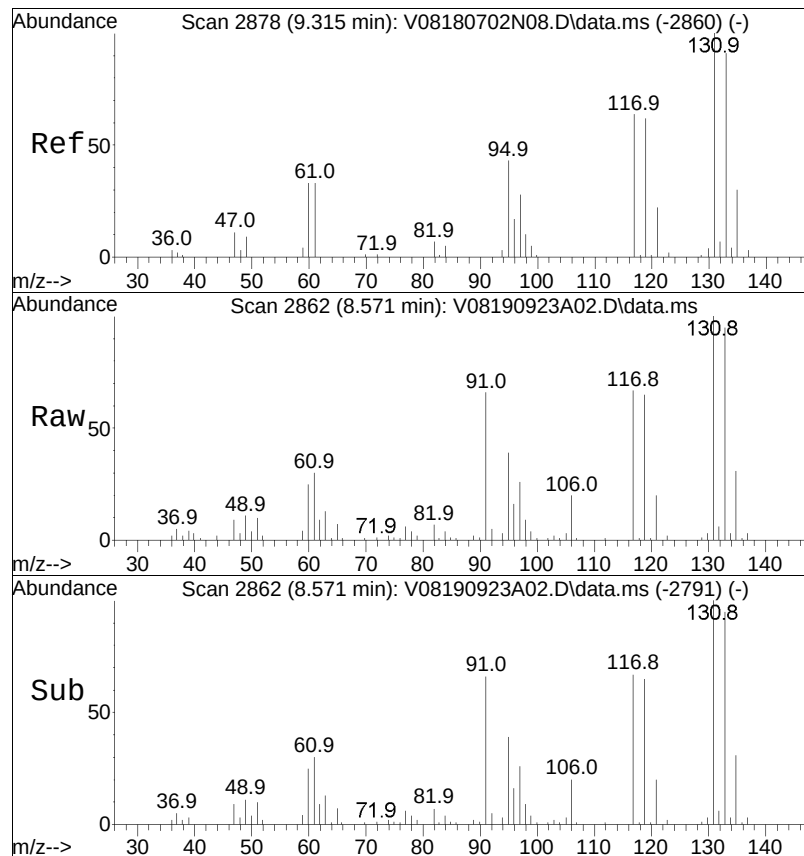
Tgt Ion: 91 Resp: 185522

Ion Ratio Lower Upper

91 100

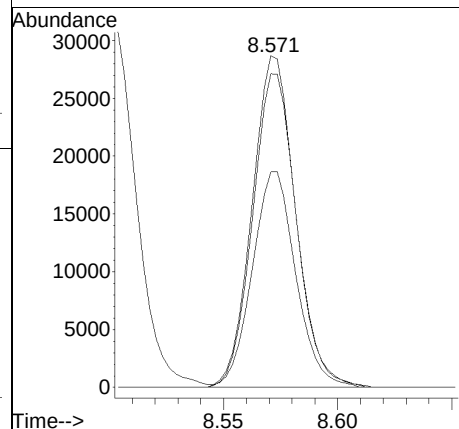
106 31.3 24.3 36.5

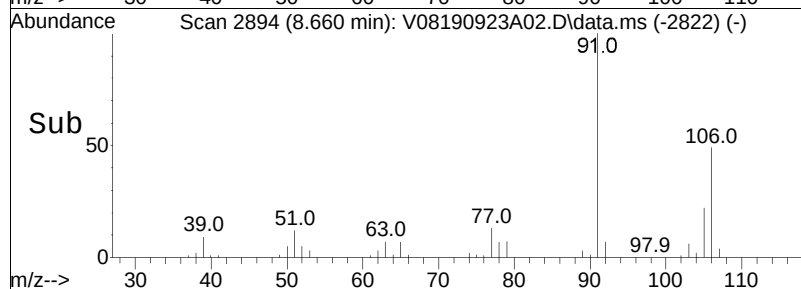
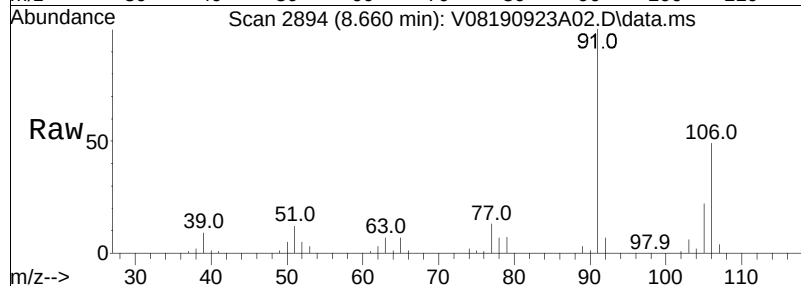
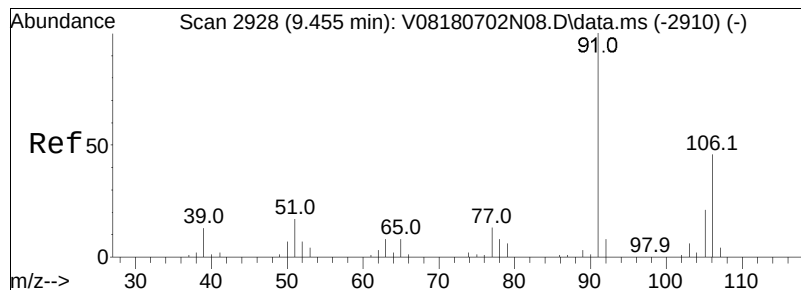




#75
 1,1,1,2-Tetrachloroethane
 Concen: 8.64 ug/L
 RT: 8.571 min Scan# 2862
 Delta R.T. -0.003 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

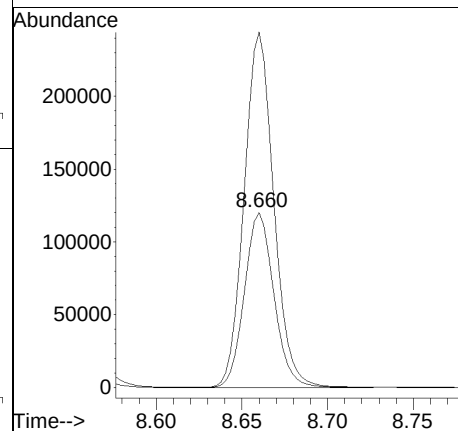
Tgt Ion:	131	Resp:	38002
Ion Ratio	Lower	Upper	
131	100		
133	95.4	81.0	121.0
119	65.1	41.3	81.3

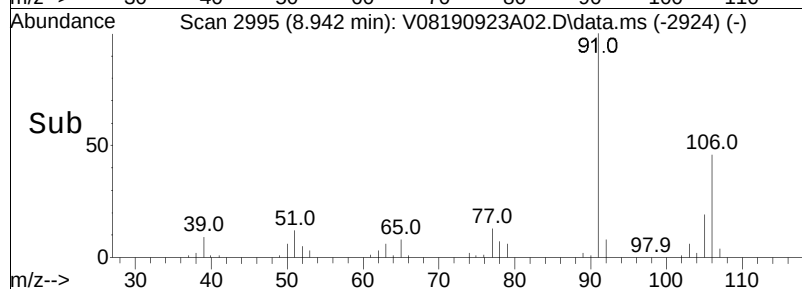
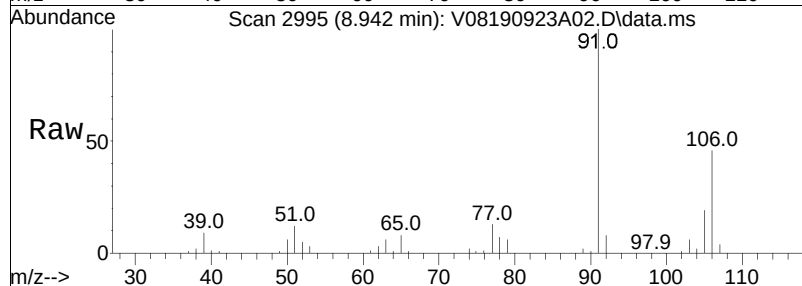
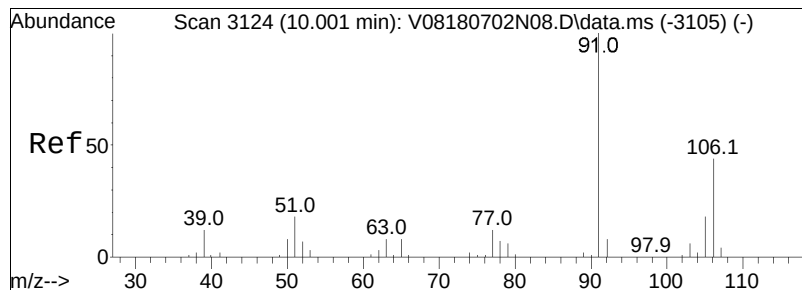




#76
 p/m Xylene
 Concen: 18.19 ug/L
 RT: 8.660 min Scan# 2894
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

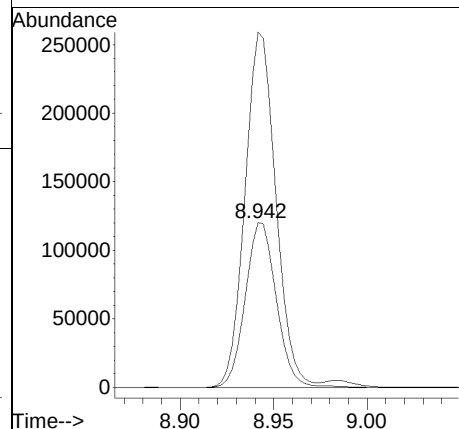
Tgt Ion	Ratio	Lower	Upper
106	100		
91	203.2	166.4	249.6

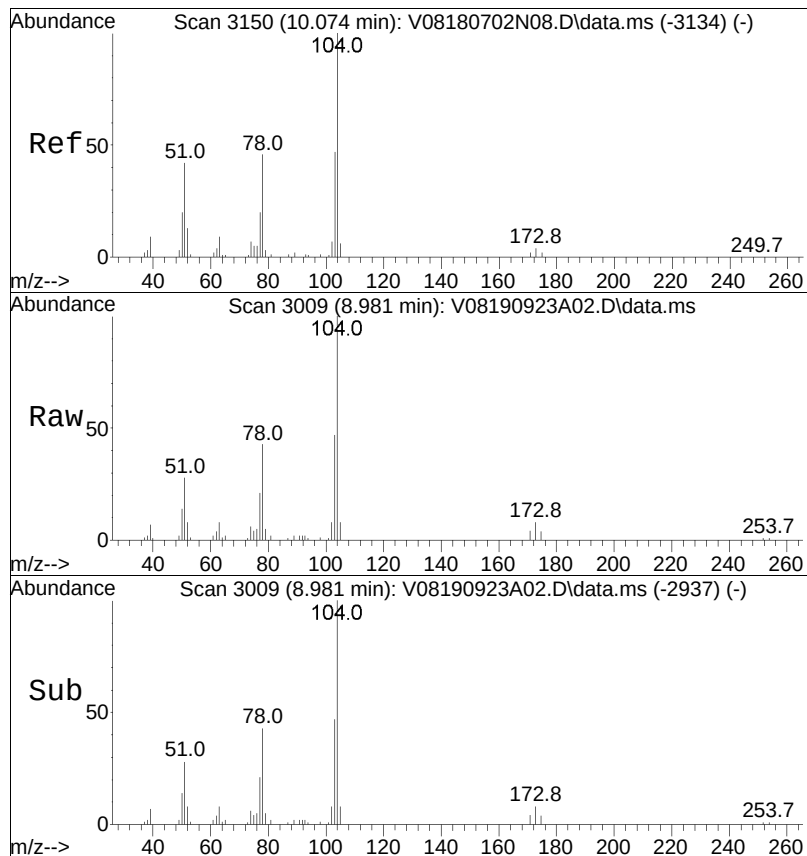




#77
 o Xylene
 Concen: 18.28 ug/L
 RT: 8.942 min Scan# 2995
 Delta R.T. -0.003 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

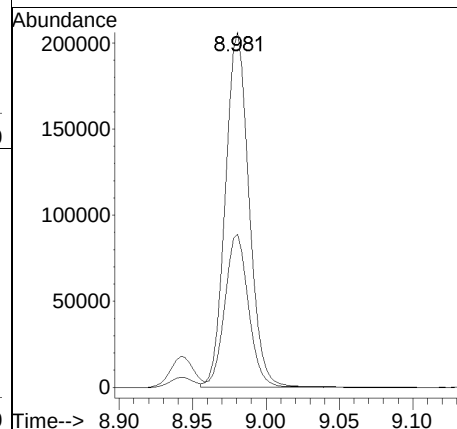
Tgt Ion	Ratio	Lower	Upper
106	100		
91	213.5	182.6	273.8

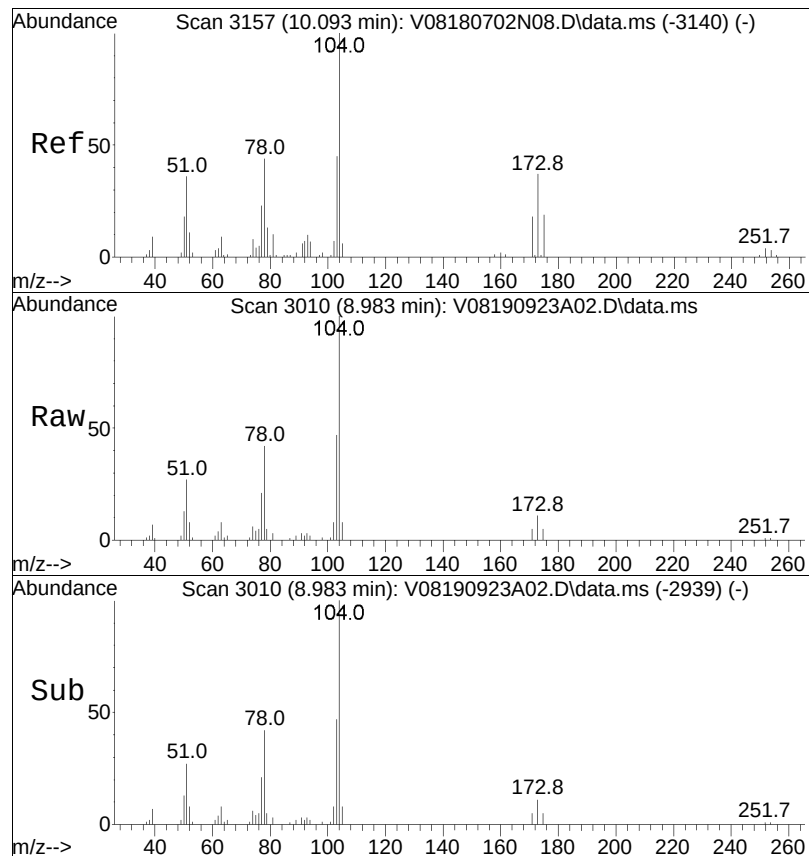




#78
 Styrene
 Concen: 18.34 ug/L
 RT: 8.981 min Scan# 3009
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

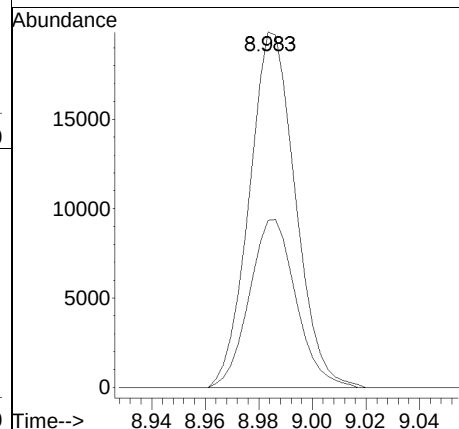
Tgt Ion	Ratio	Lower	Upper
104	100		
78	43.2	39.8	59.6

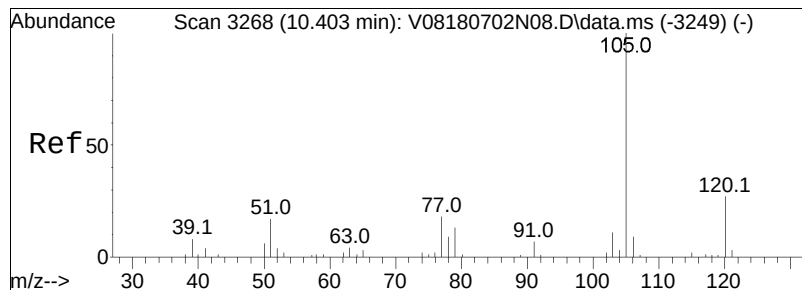




#80
 Bromoform
 Concen: 8.85 ug/L
 RT: 8.983 min Scan# 3010
 Delta R.T. -0.003 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.8	31.5	71.5





#82

Isopropylbenzene

Concen: 9.17 ug/L

RT: 9.154 min Scan# 3071

Delta R.T. 0.000 min

Lab File: V08190923A02.D

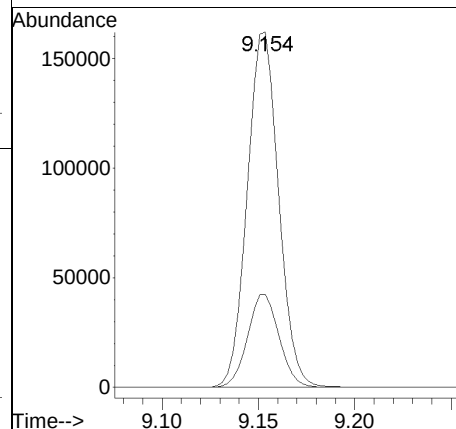
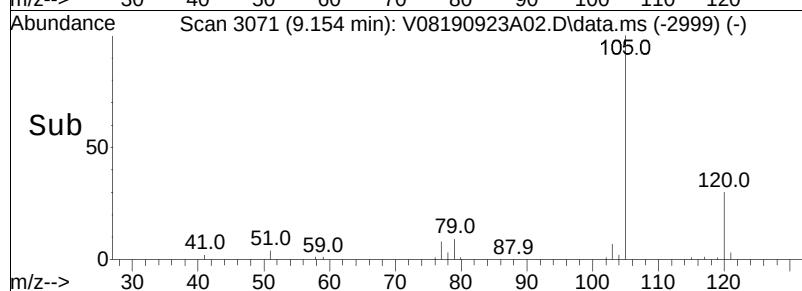
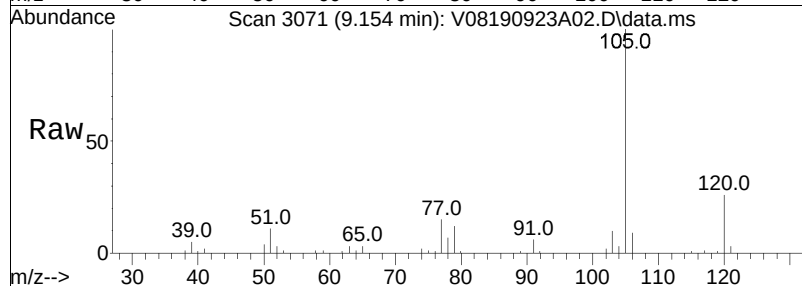
Acq: 23 Sep 2019 6:50

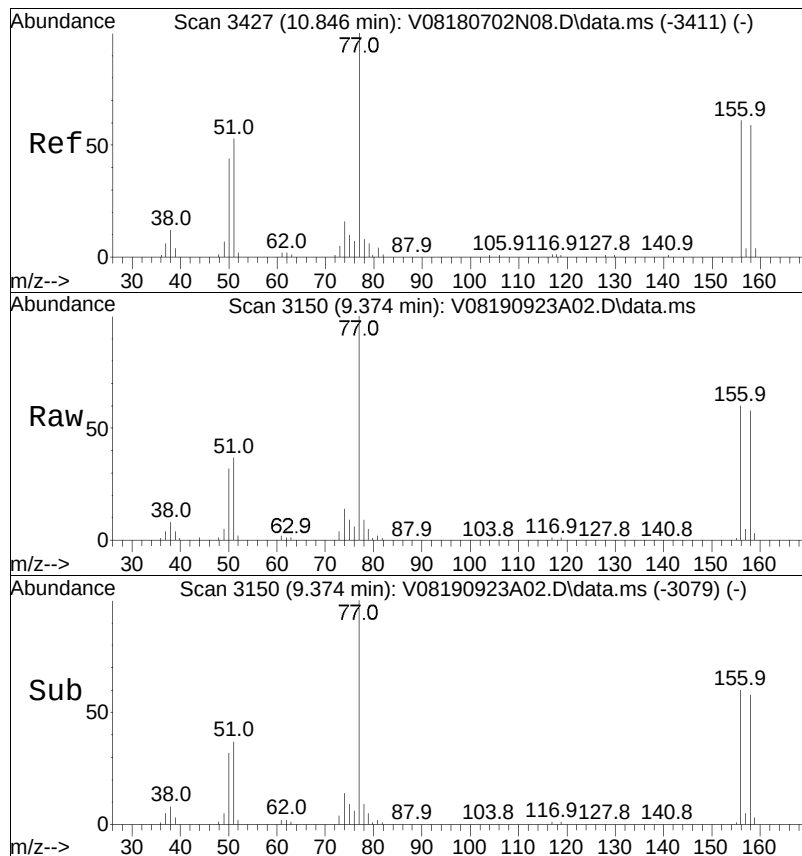
Tgt Ion:105 Resp: 183577

Ion Ratio Lower Upper

105 100

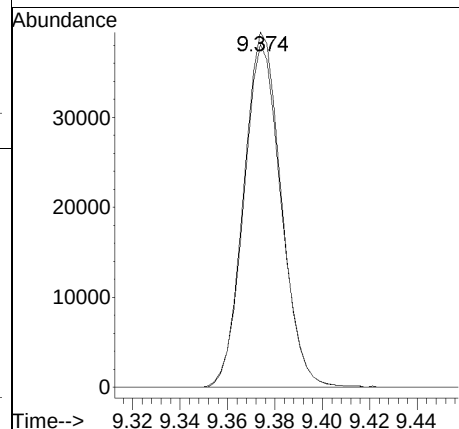
120 26.3 4.8 44.8

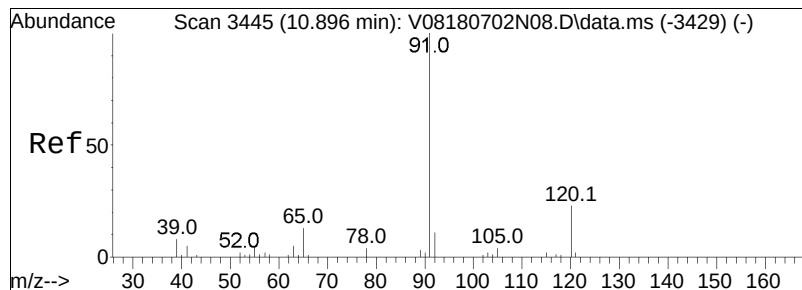




#84
 Bromobenzene
 Concen: 8.92 ug/L
 RT: 9.374 min Scan# 3150
 Delta R.T. -0.003 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

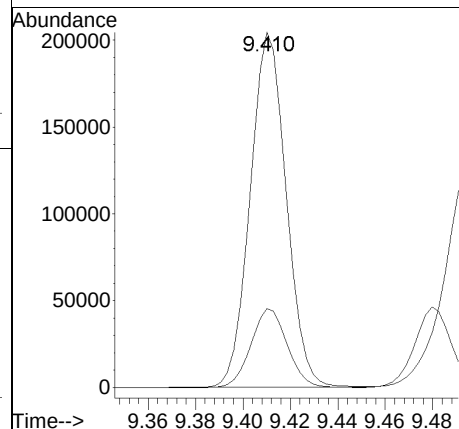
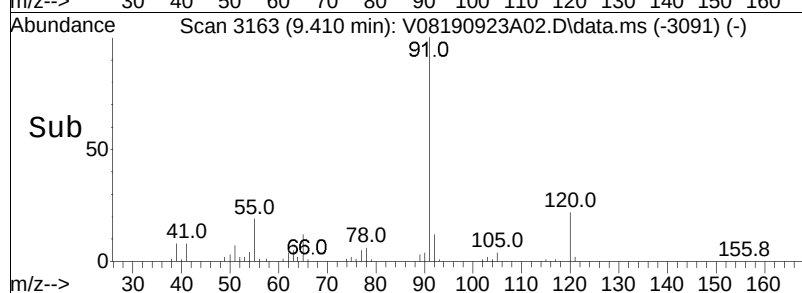
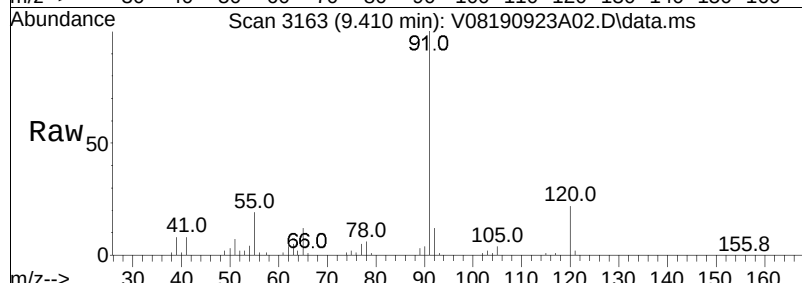
Tgt Ion	Ratio	Lower	Upper
156	100		
158	96.5	75.9	113.9

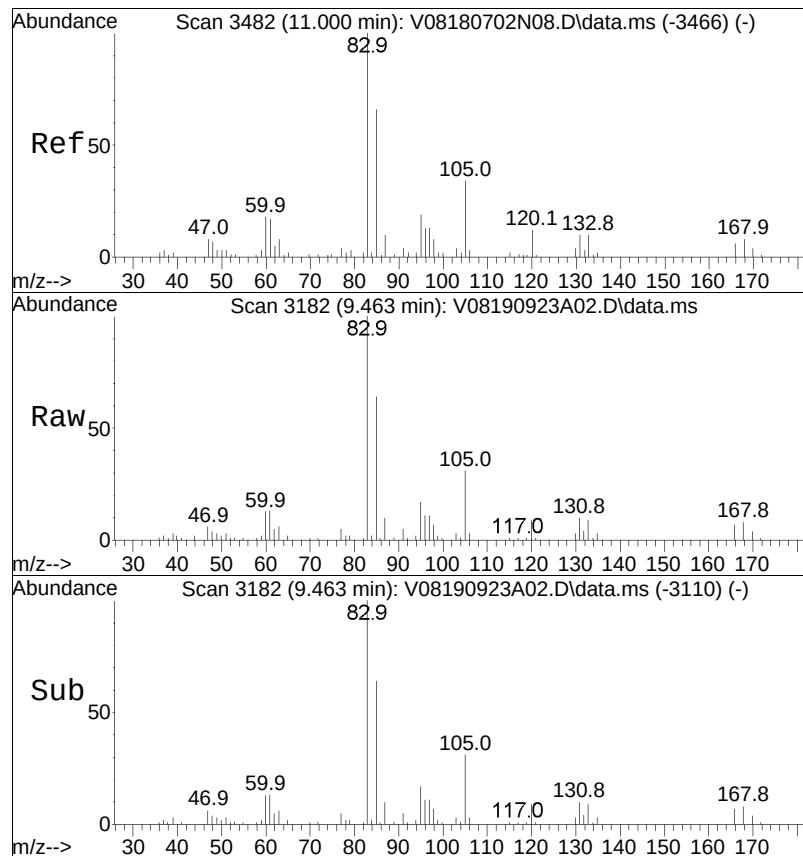




#85
 n-Propylbenzene
 Concen: 9.30 ug/L
 RT: 9.410 min Scan# 3163
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

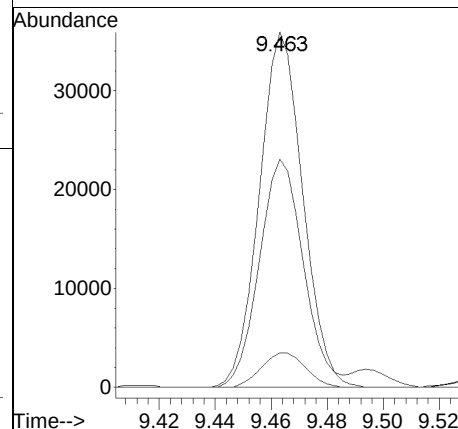
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	17.0	25.6

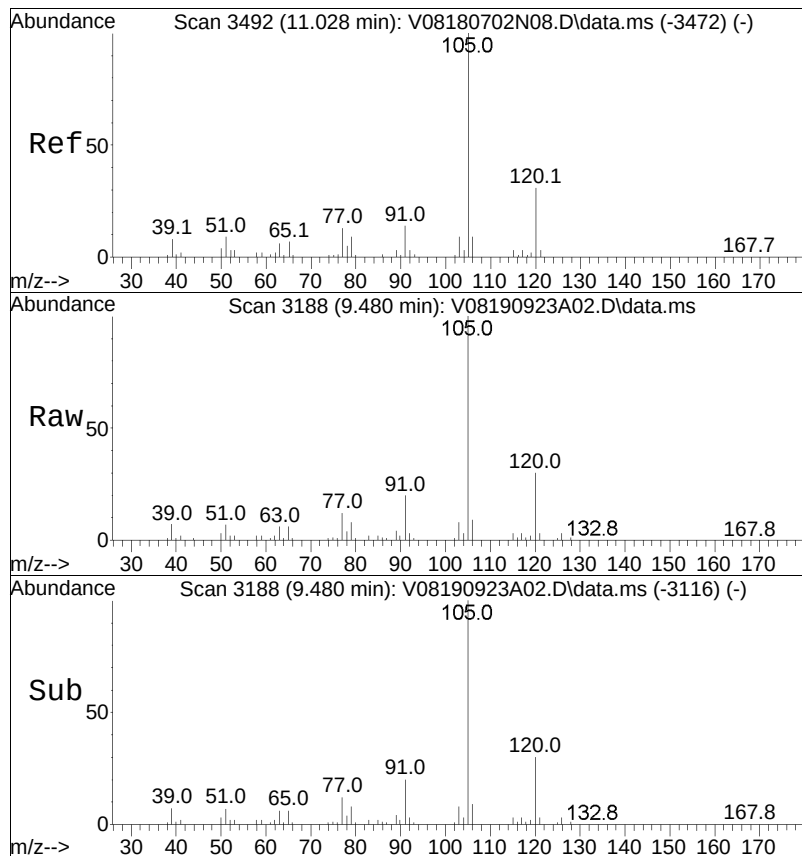




#87
 1,1,2,2-Tetrachloroethane
 Concen: 9.18 ug/L
 RT: 9.463 min Scan# 3182
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

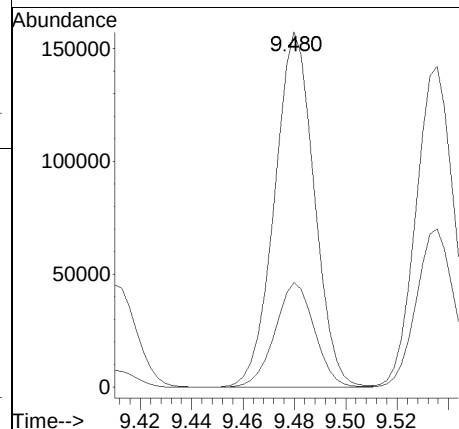
Tgt Ion:	83	Resp:	38759
Ion Ratio	Lower	Upper	
83	100		
131	9.9	0.0	30.4
85	65.4	45.4	85.4

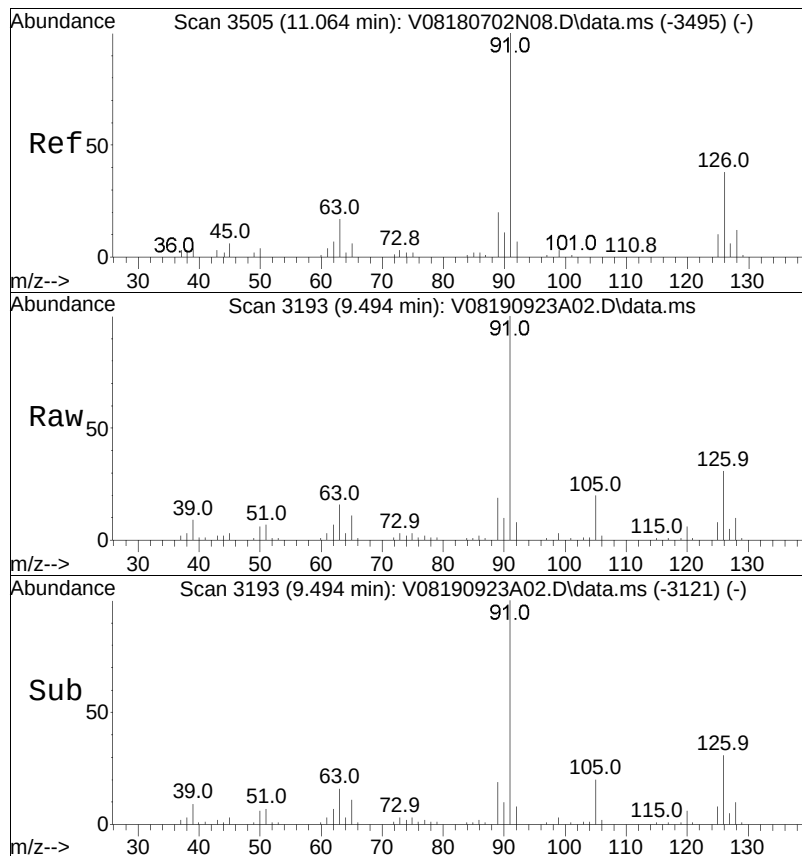




#88
 4-Ethyltoluene
 Concen: 9.20 ug/L
 RT: 9.480 min Scan# 3188
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

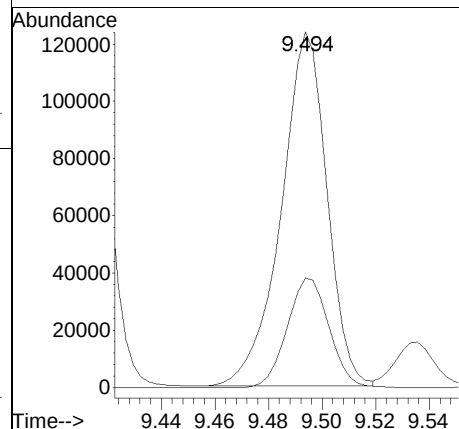
Tgt	Ion	Ratio	Lower	Upper
105	100			
120	29.3	18.1	37.7	

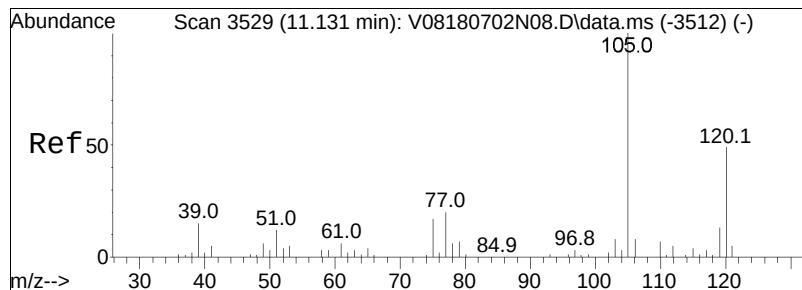




#89
 2-Chlorotoluene
 Concen: 9.31 ug/L
 RT: 9.494 min Scan# 3193
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

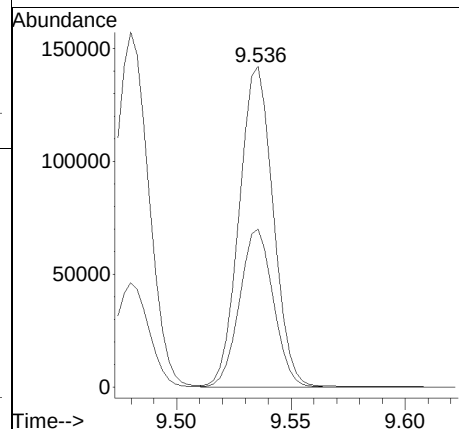
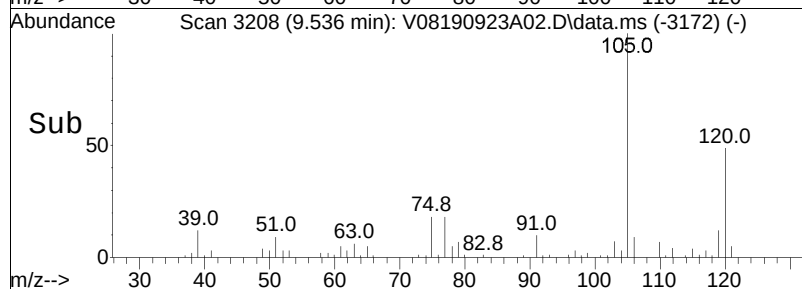
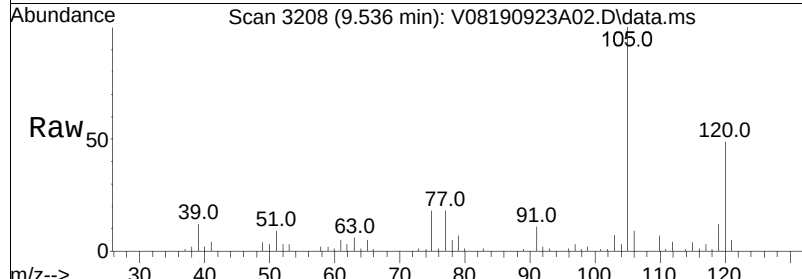
Tgt	Ion	Resp	Lower	Upper
91	100	147040		
126	28.1	21.5	32.3	

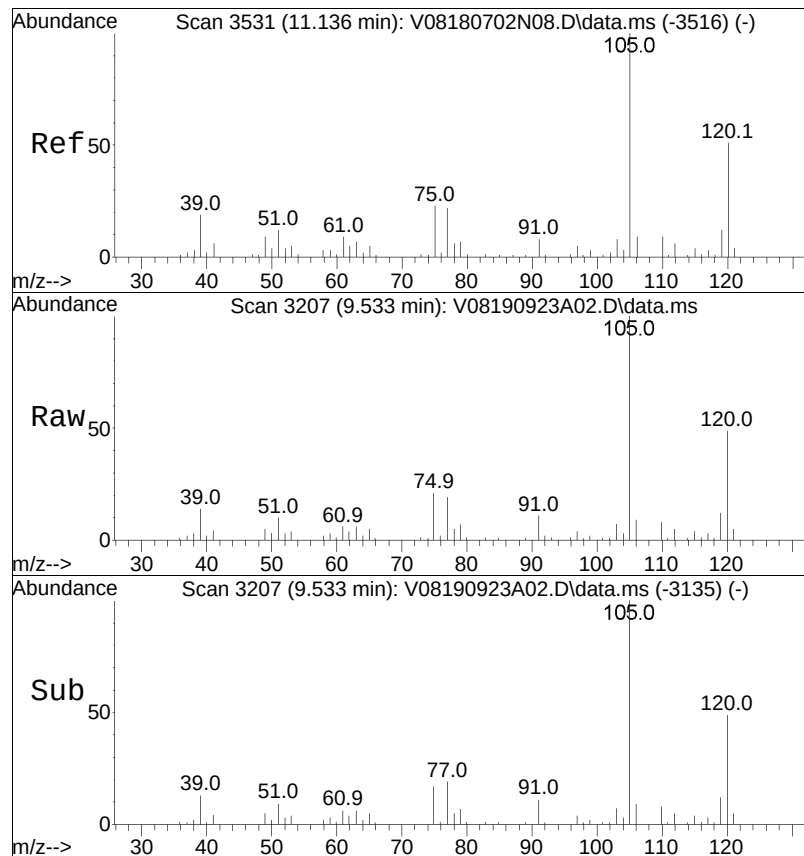




#90
 1,3,5-Trimethylbenzene
 Concen: 9.13 ug/L
 RT: 9.536 min Scan# 3208
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

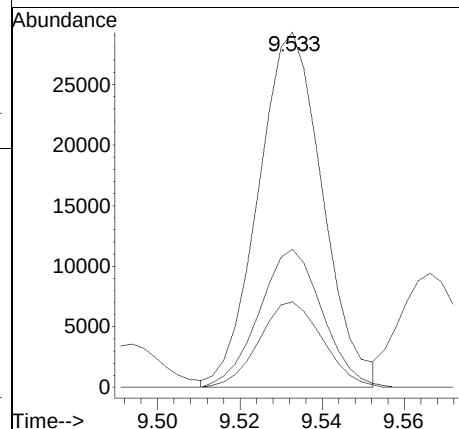
Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.3	34.8	52.2

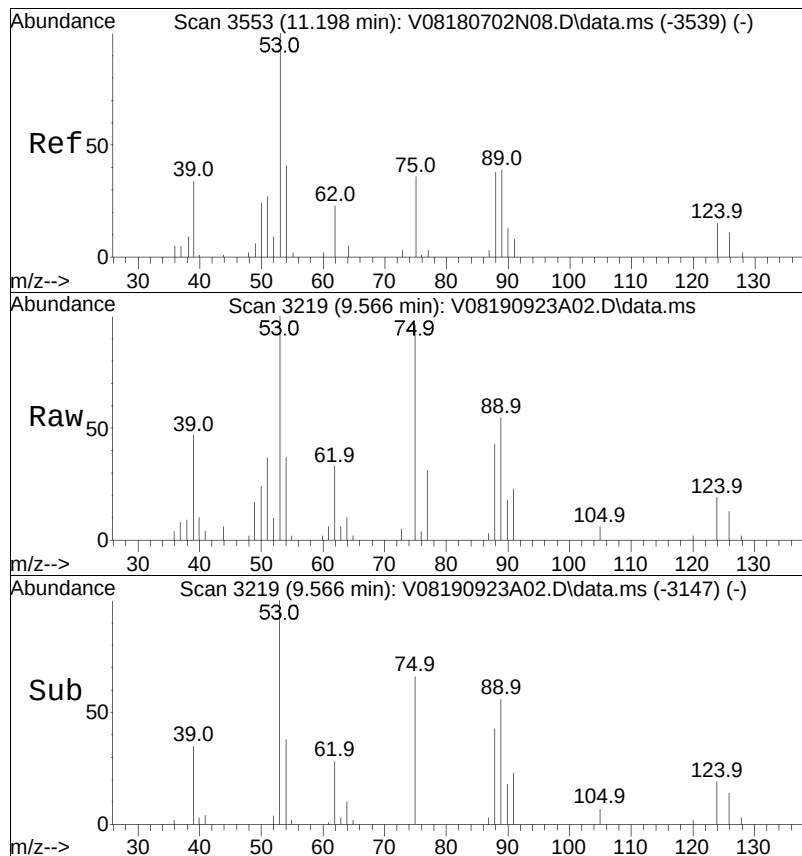




#91
 1,2,3-Trichloropropane
 Concen: 9.99 ug/L
 RT: 9.533 min Scan# 3207
 Delta R.T. -0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

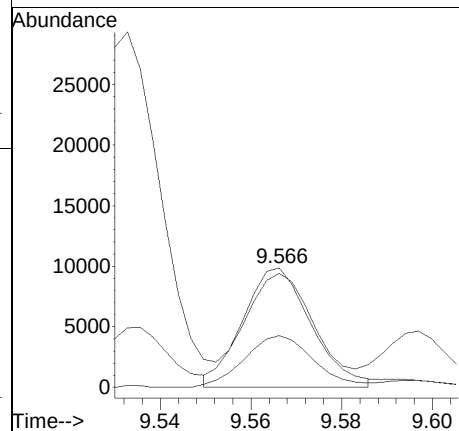
Tgt Ion:	75	Resp:	31904
Ion Ratio	Lower	Upper	
75	100		
110	38.2	25.4	52.8
112	23.7	15.6	32.4

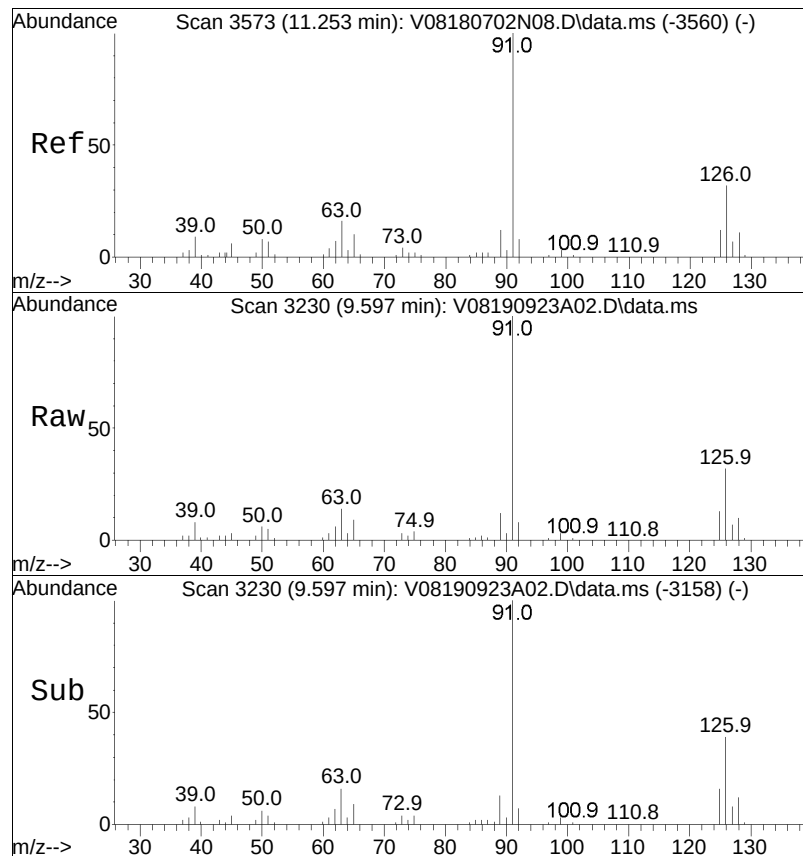




#92
 trans-1,4-Dichloro-2-butene
 Concen: 9.46 ug/L M1
 RT: 9.566 min Scan# 3219
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

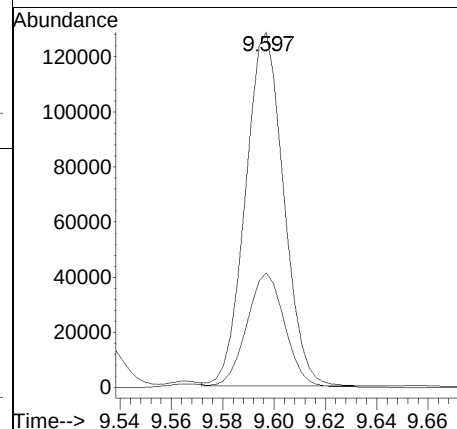
Tgt Ion	Ratio	Lower	Upper
53	100		
88	43.9	39.6	59.4
75	96.5	70.2	105.4

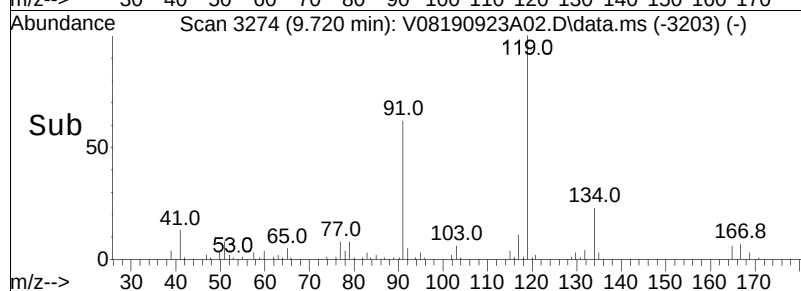
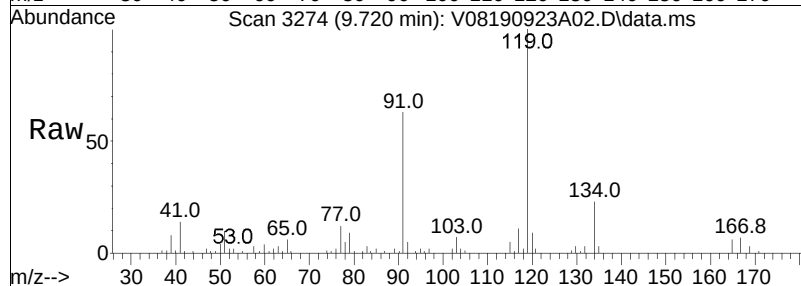
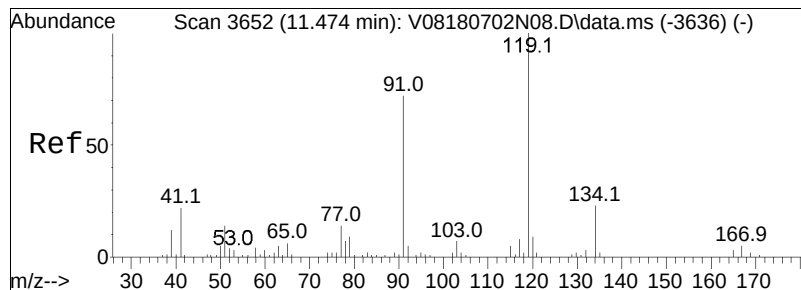




#93
 4-Chlorotoluene
 Concen: 9.29 ug/L
 RT: 9.597 min Scan# 3230
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	24.6	36.8





#94

tert-Butylbenzene

Concen: 9.32 ug/L

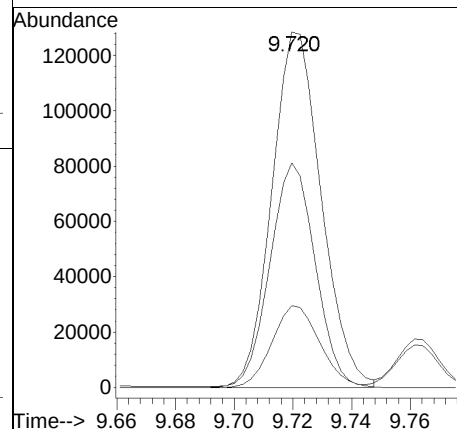
RT: 9.720 min Scan# 3274

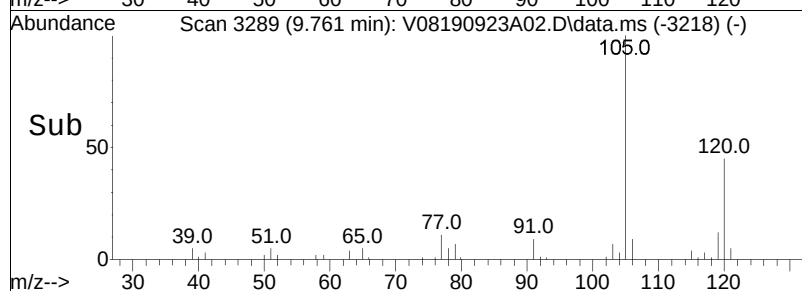
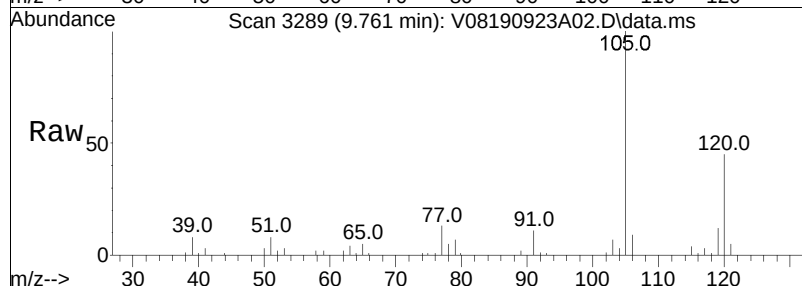
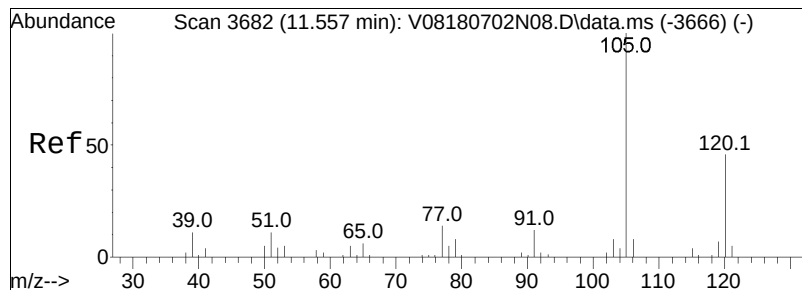
Delta R.T. -0.003 min

Lab File: V08190923A02.D

Acq: 23 Sep 2019 6:50

Tgt	Ion:119	Resp:	150417
Ion	Ratio	Lower	Upper
119	100		
91	57.4	51.4	77.2
134	22.2	18.3	27.5





#97

1,2,4-Trimethylbenzene

Concen: 9.06 ug/L

RT: 9.761 min Scan# 3289

Delta R.T. -0.003 min

Lab File: V08190923A02.D

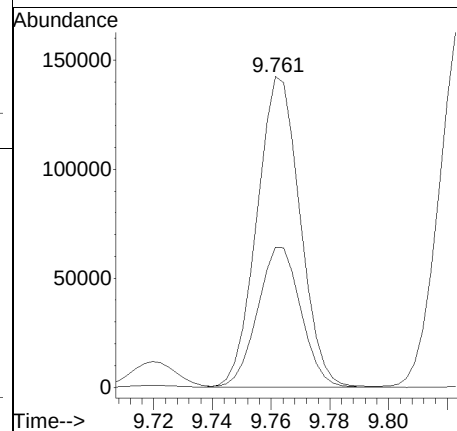
Acq: 23 Sep 2019 6:50

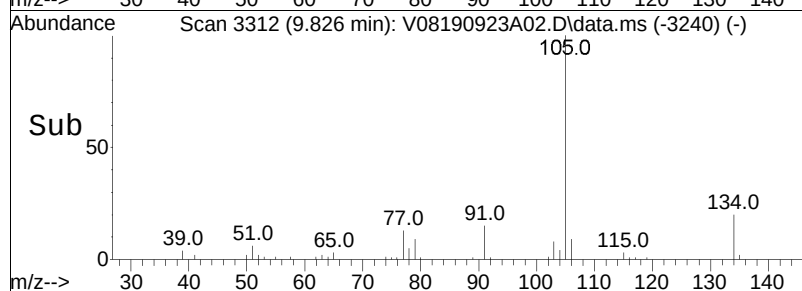
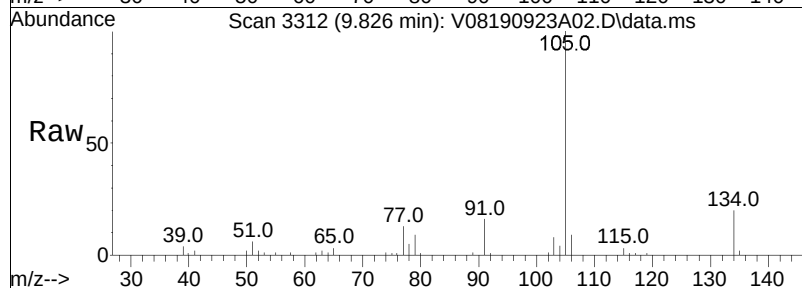
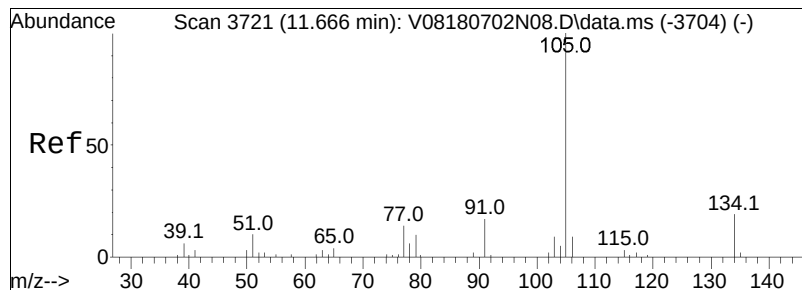
Tgt Ion:105 Resp: 144892

Ion Ratio Lower Upper

105 100

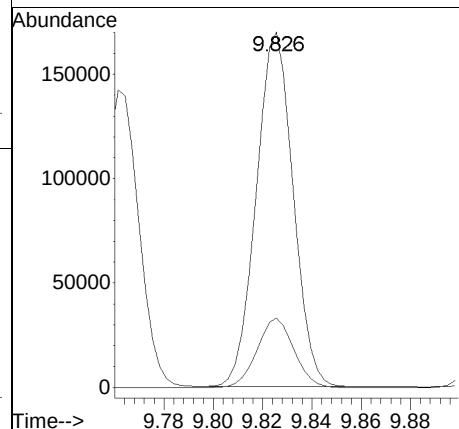
120 45.7 33.4 50.0

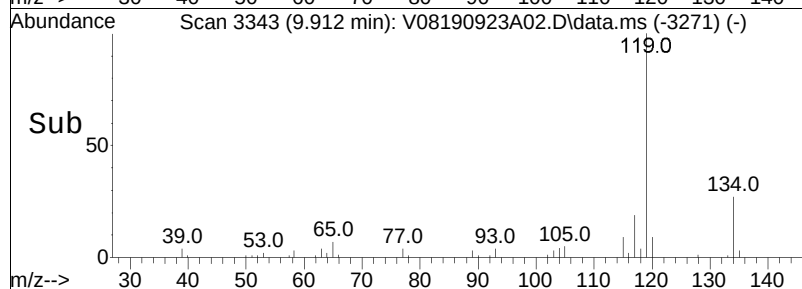
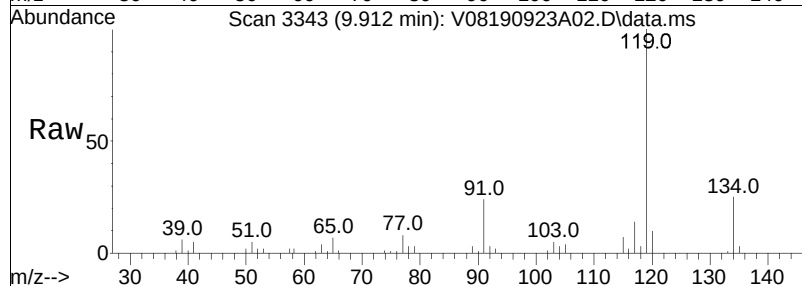
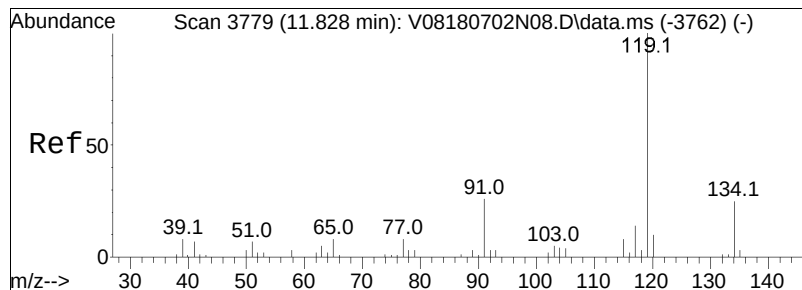




#98
 sec-Butylbenzene
 Concen: 9.26 ug/L
 RT: 9.826 min Scan# 3312
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

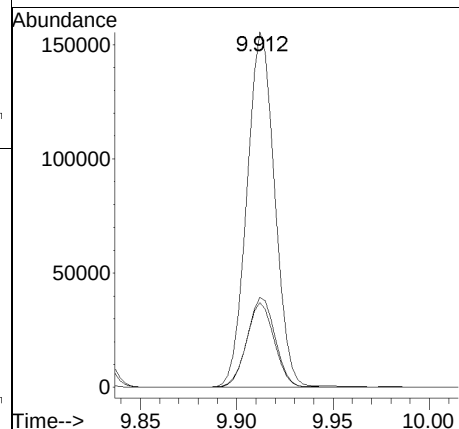
Tgt	Ion	Ratio	Lower	Upper
105	100			
134	19.4	12.5	26.1	

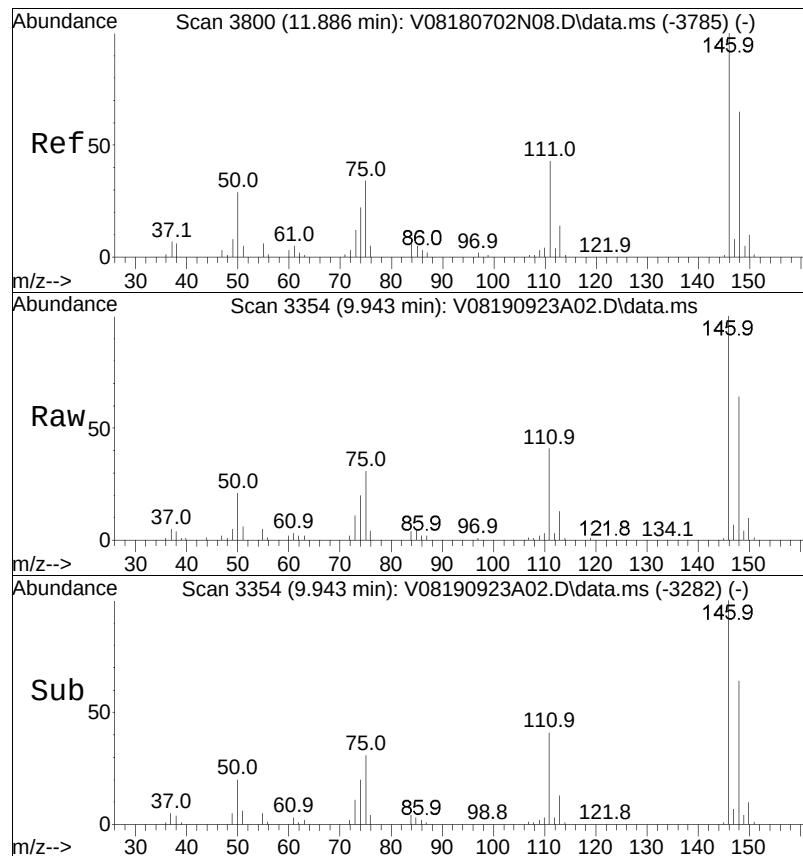




#99
 p-Isopropyltoluene
 Concen: 9.21 ug/L
 RT: 9.912 min Scan# 3343
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

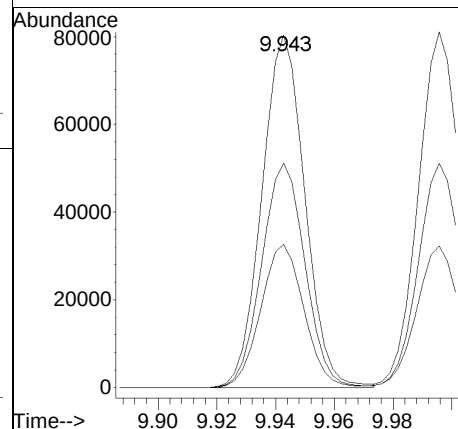
Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	16.1	33.3
91	24.0	17.3	35.9

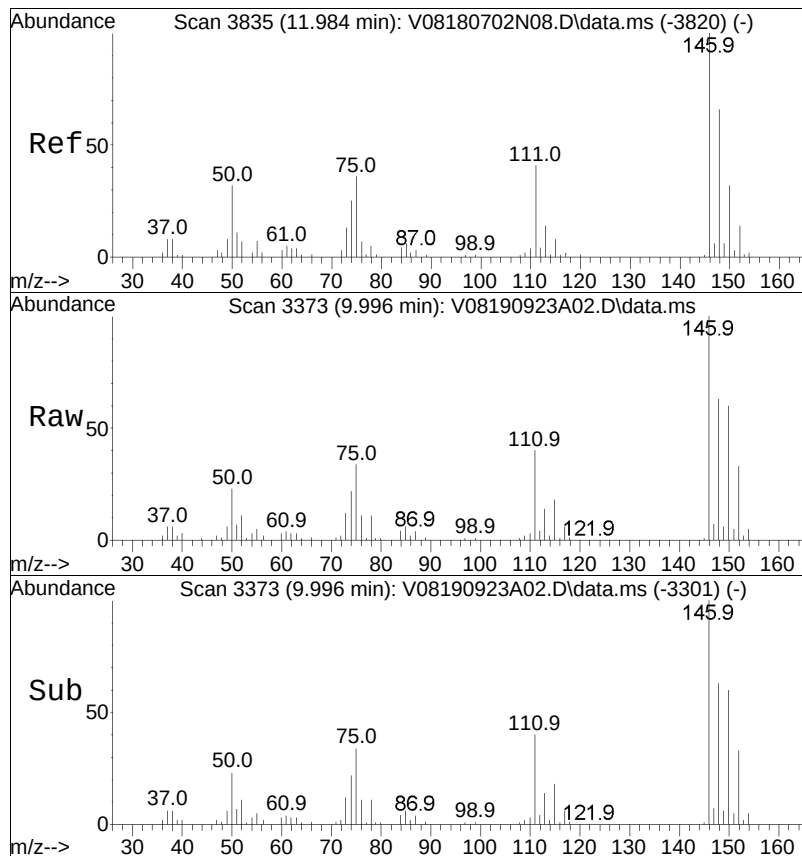




#100
 1,3-Dichlorobenzene
 Concen: 9.06 ug/L
 RT: 9.943 min Scan# 3354
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

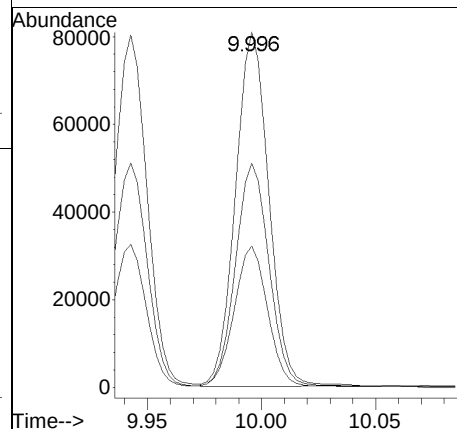
Tgt Ion:	146	Resp:	81544
Ion Ratio	Lower	Upper	
146	100		
111	40.8	27.5	57.1
148	64.2	41.9	86.9

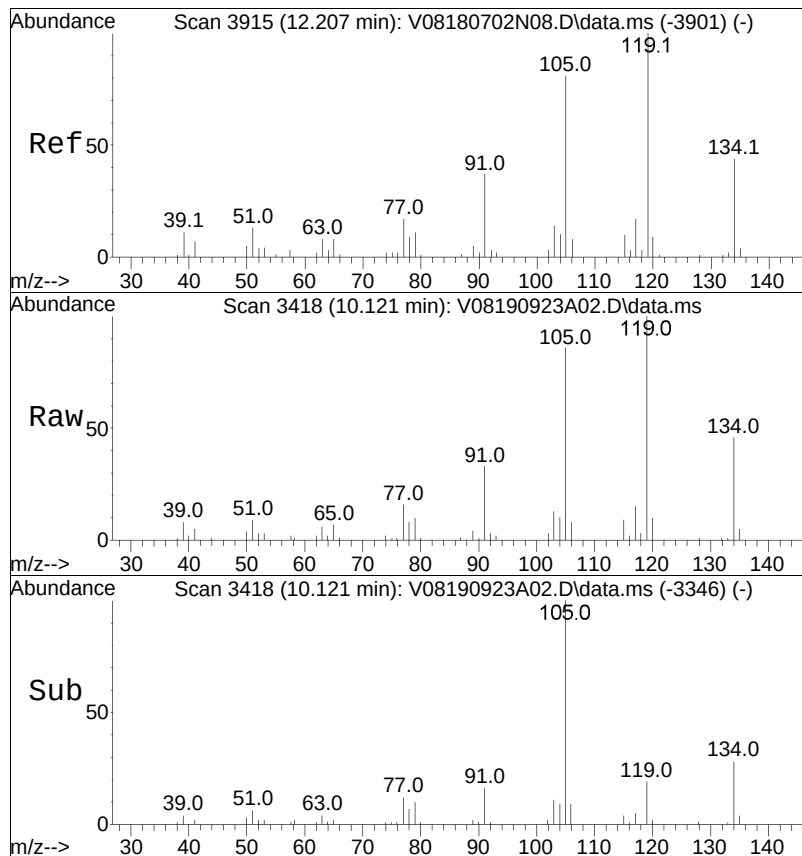




#101
 1,4-Dichlorobenzene
 Concen: 8.87 ug/L
 RT: 9.996 min Scan# 3373
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

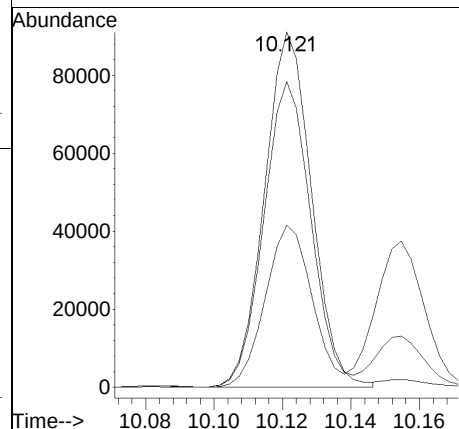
Tgt Ion:	146	Resp:	82174
Ion Ratio	Lower	Upper	
146	100		
111	40.2	32.3	48.5
148	63.9	49.9	74.9

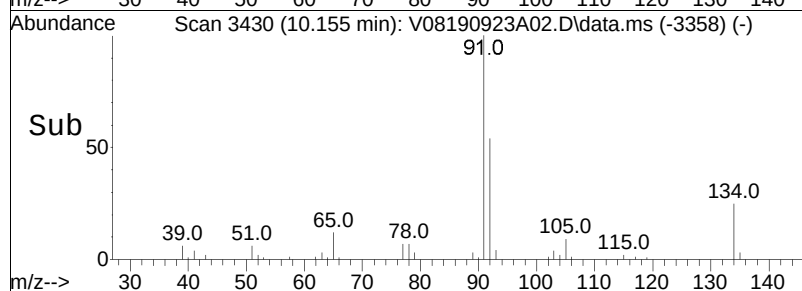
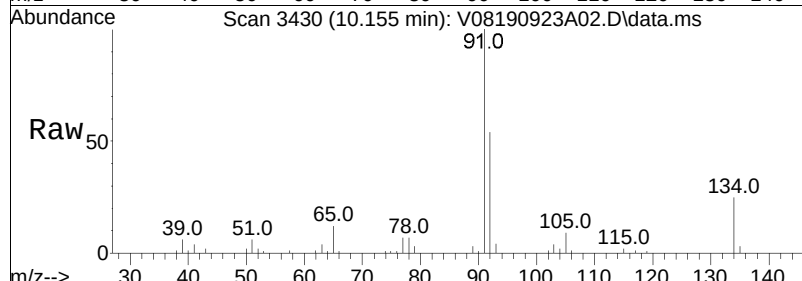
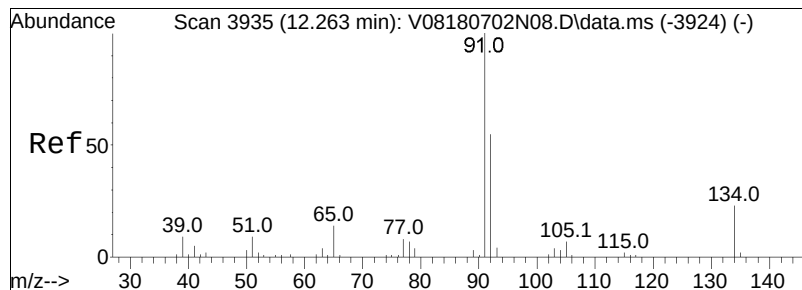




#102
 p-Diethylbenzene
 Concen: 8.97 ug/L
 RT: 10.121 min Scan# 3418
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

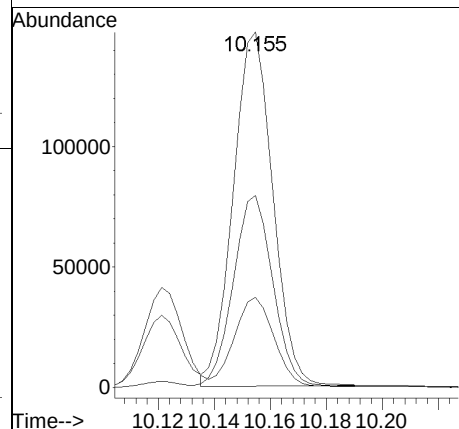
Tgt Ion:	119	Resp:	87067
Ion Ratio	Lower	Upper	
119	100		
105	86.3	59.5	123.7
134	45.6	30.2	62.6

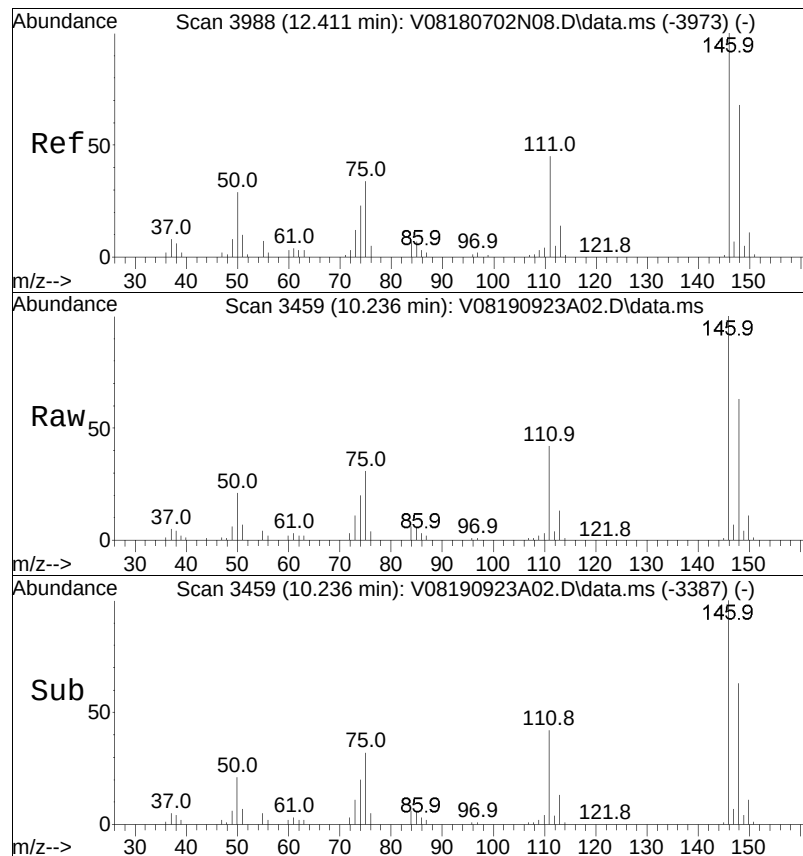




#103
 n-Butylbenzene
 Concen: 9.23 ug/L
 RT: 10.155 min Scan# 3430
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

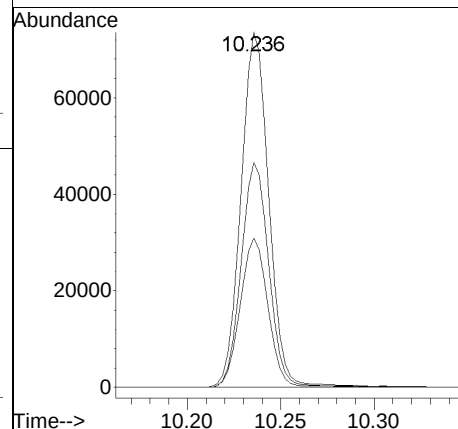
Tgt Ion:	91	Resp:	144334
Ion Ratio	Lower	Upper	
91	100		
92	55.3	43.0	64.4
134	25.5	19.6	29.4

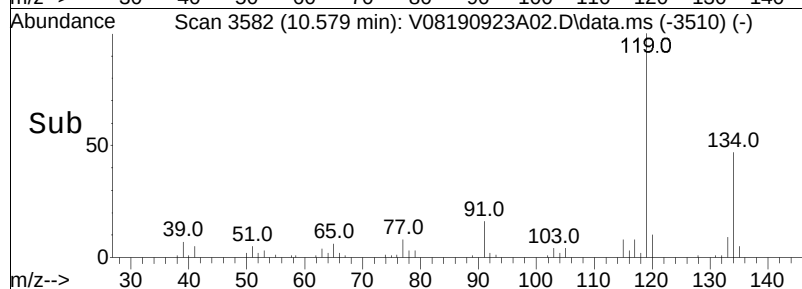
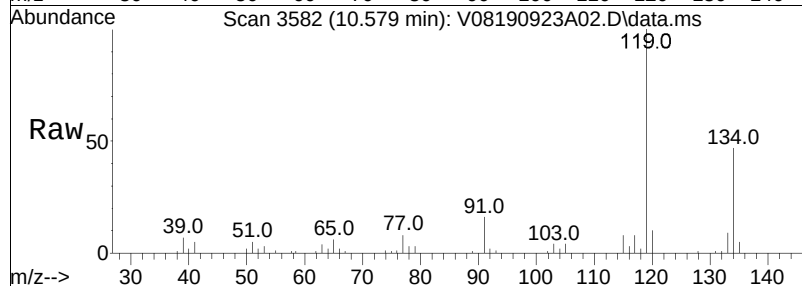
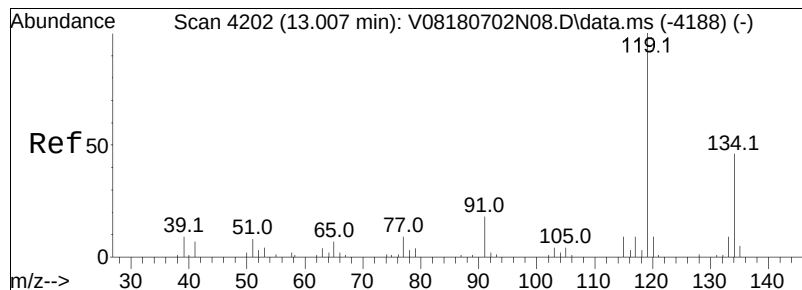




#104
 1,2-Dichlorobenzene
 Concen: 8.93 ug/L
 RT: 10.236 min Scan# 3459
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

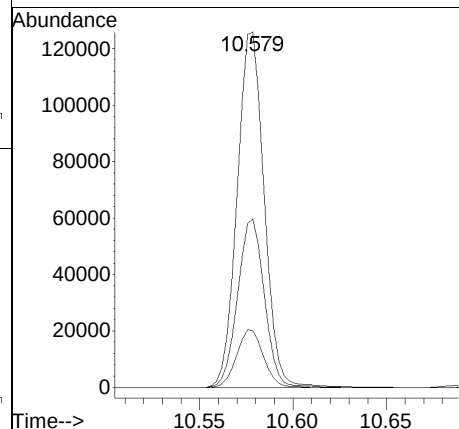
Tgt Ion:	146	Resp:	76326
Ion Ratio	Lower	Upper	
146	100		
111	41.7	28.3	58.7
148	63.1	42.3	87.8

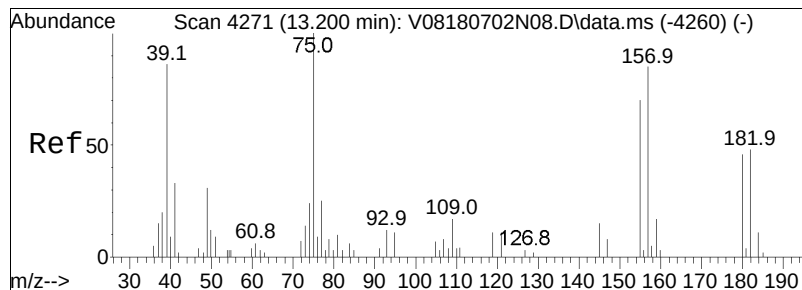




#105
 1,2,4,5-Tetramethylbenzene
 Concen: 8.59 ug/L
 RT: 10.579 min Scan# 3582
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

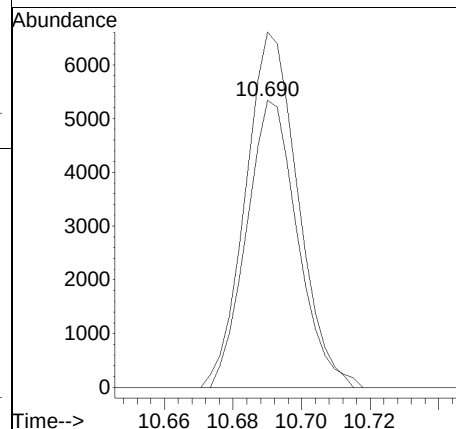
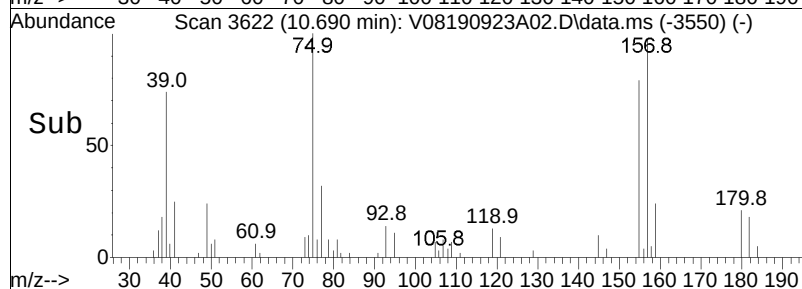
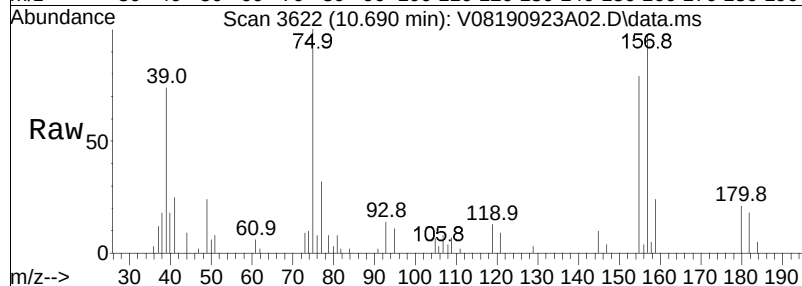
Tgt Ion	Ratio	Lower	Upper
119	100		
134	47.0	30.5	63.3
91	16.1	12.4	25.7

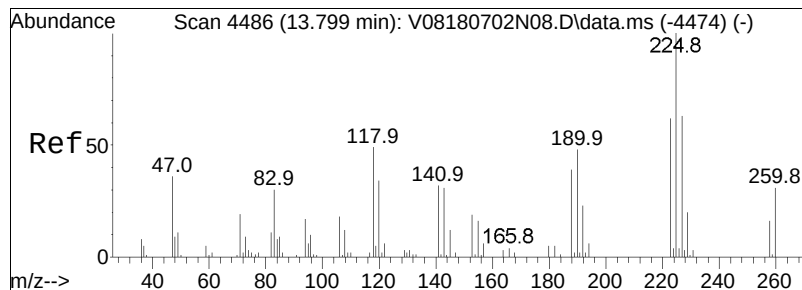




#106
 1,2-Dibromo-3-chloropropane
 Concen: 9.22 ug/L
 RT: 10.690 min Scan# 3622
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

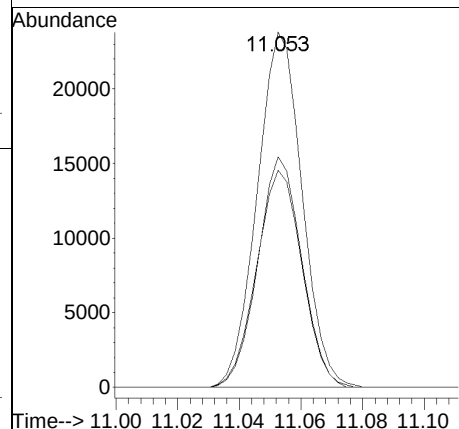
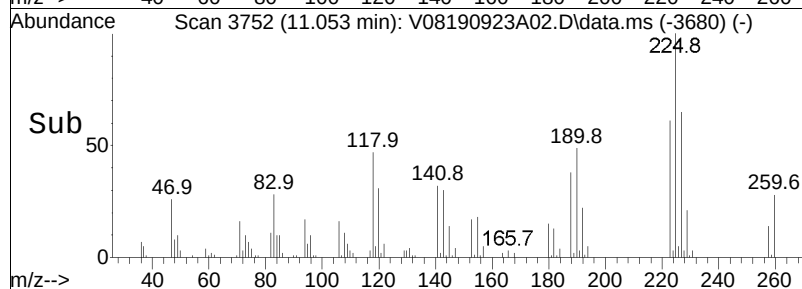
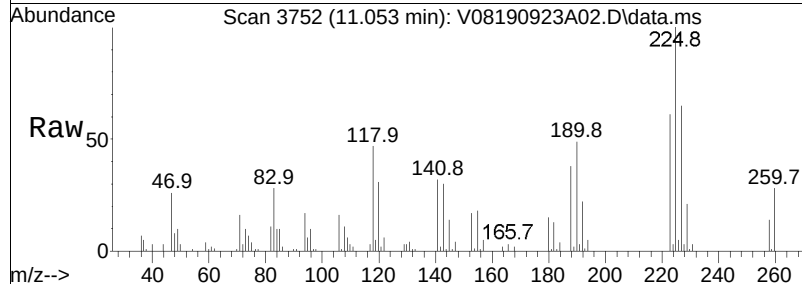
Tgt Ion	Ratio	Lower	Upper
155	100		
157	126.4	94.8	142.2

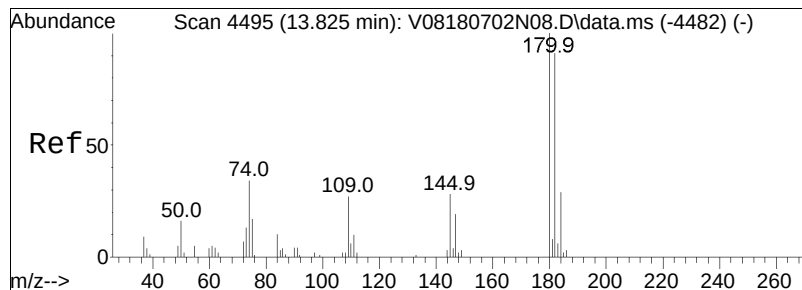




#108
 Hexachlorobutadiene
 Concen: 8.64 ug/L
 RT: 11.053 min Scan# 3752
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	54.3	81.5
227	63.3	52.4	78.6





#109

1,2,4-Trichlorobenzene

Concen: 8.28 ug/L

RT: 11.067 min Scan# 3757

Delta R.T. 0.000 min

Lab File: V08190923A02.D

Acq: 23 Sep 2019 6:50

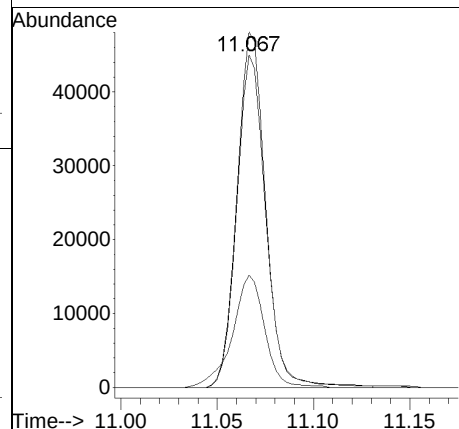
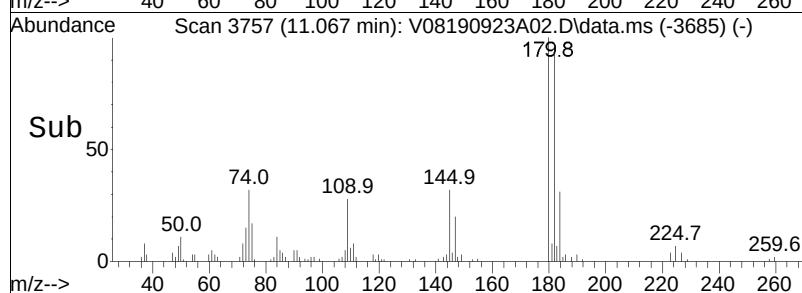
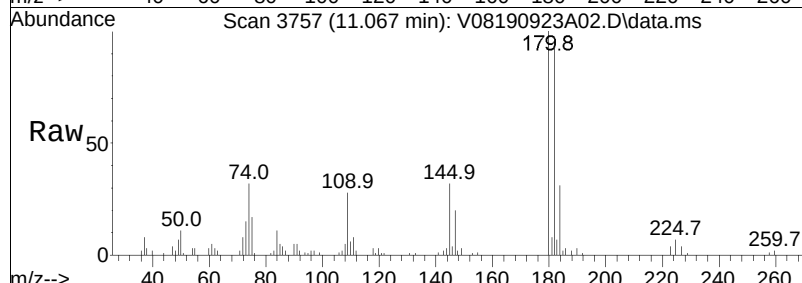
Tgt Ion:180 Resp: 49947

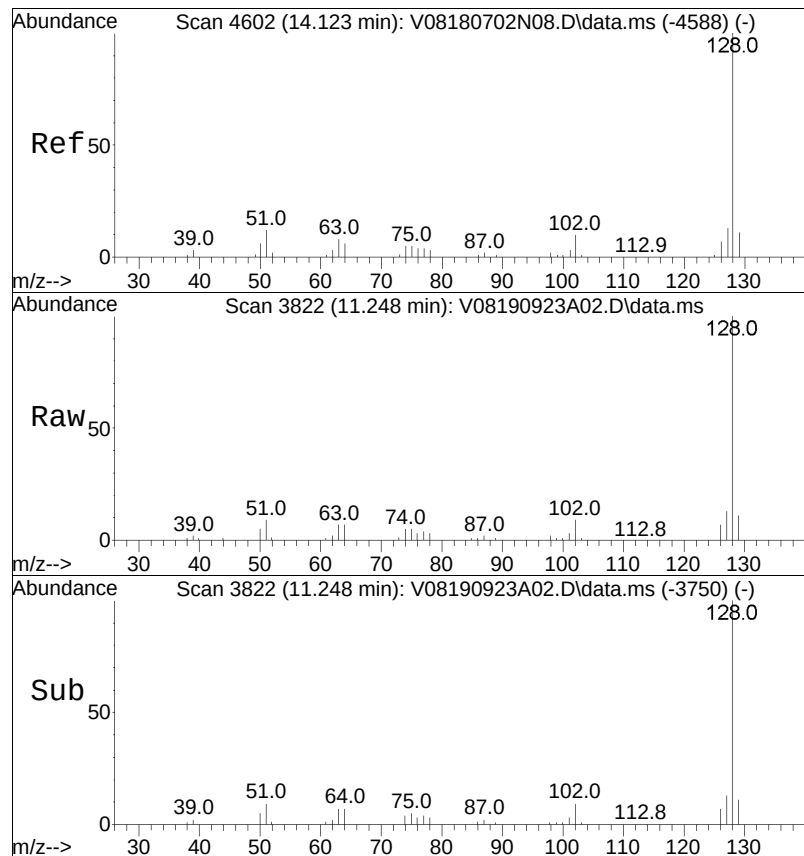
Ion Ratio Lower Upper

180 100

182 94.8 77.3 115.9

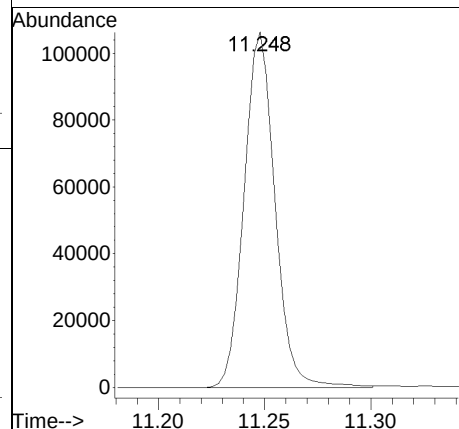
145 35.3 28.1 42.1

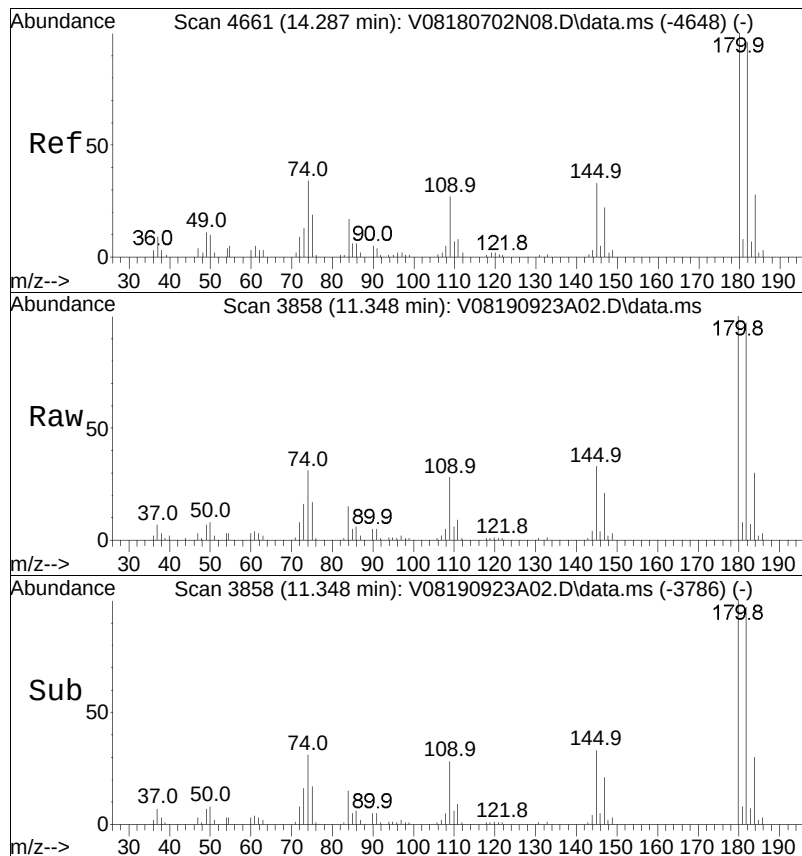




#110
Naphthalene
Concen: 8.31 ug/L
RT: 11.248 min Scan# 3822
Delta R.T. 0.000 min
Lab File: V08190923A02.D
Acq: 23 Sep 2019 6:50

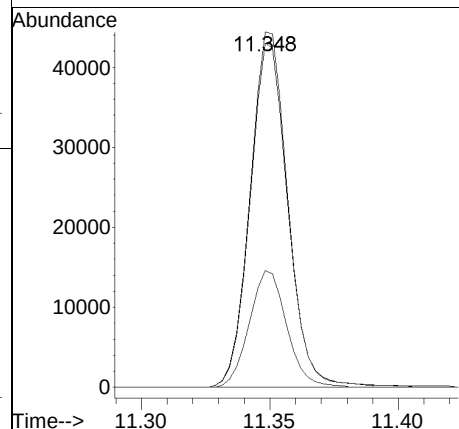
Tgt Ion:128 Resp: 107421





#111
 1,2,3-Trichlorobenzene
 Concen: 8.28 ug/L
 RT: 11.348 min Scan# 3858
 Delta R.T. 0.000 min
 Lab File: V08190923A02.D
 Acq: 23 Sep 2019 6:50

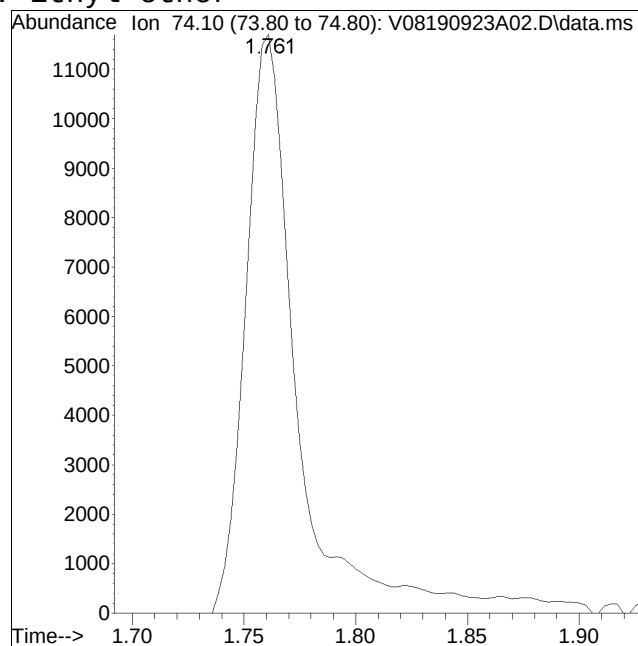
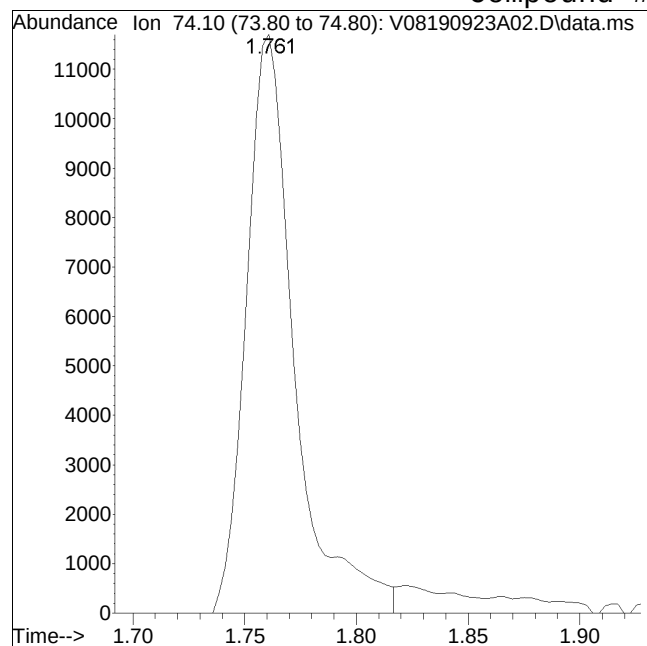
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.4	114.6
145	32.6	26.4	39.6



Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-3,31,10,10 Quant Date : 9/23/2019 7:27 am

Compound #8: Ethyl ether



Original Peak Response = 17516

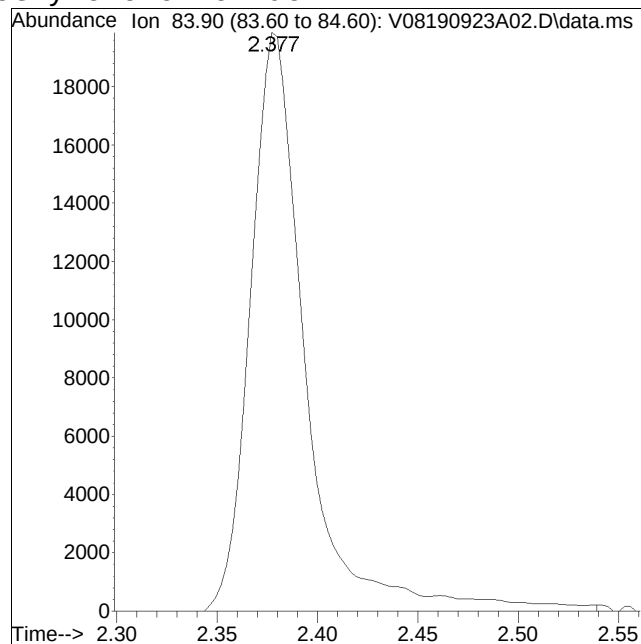
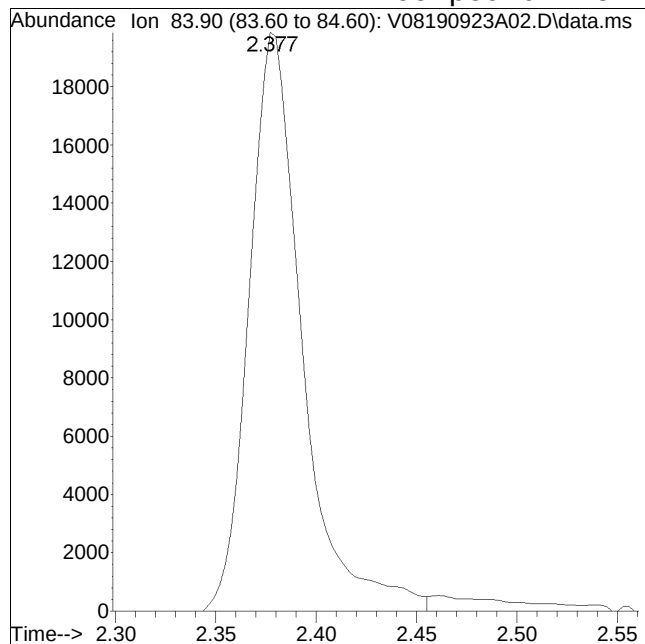
Manual Peak Response = 19258 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-3,31,10,10 Quant Date : 9/23/2019 7:27 am

Compound #15: Methylene chloride



Original Peak Response = 36434

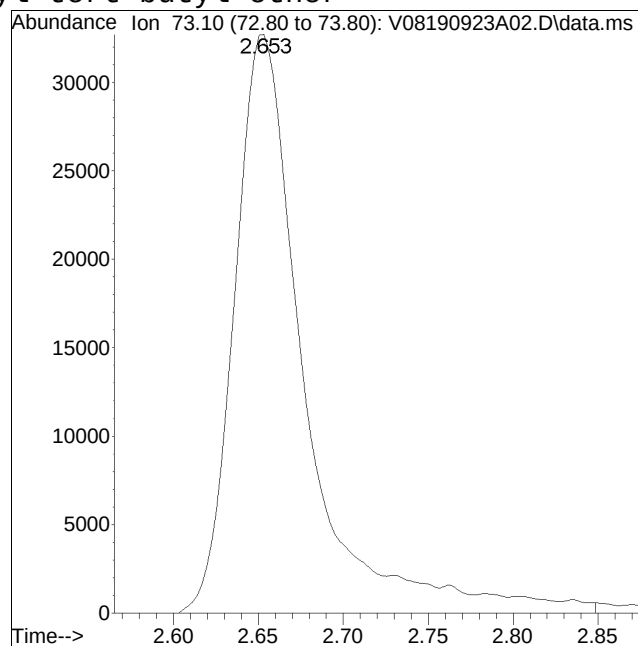
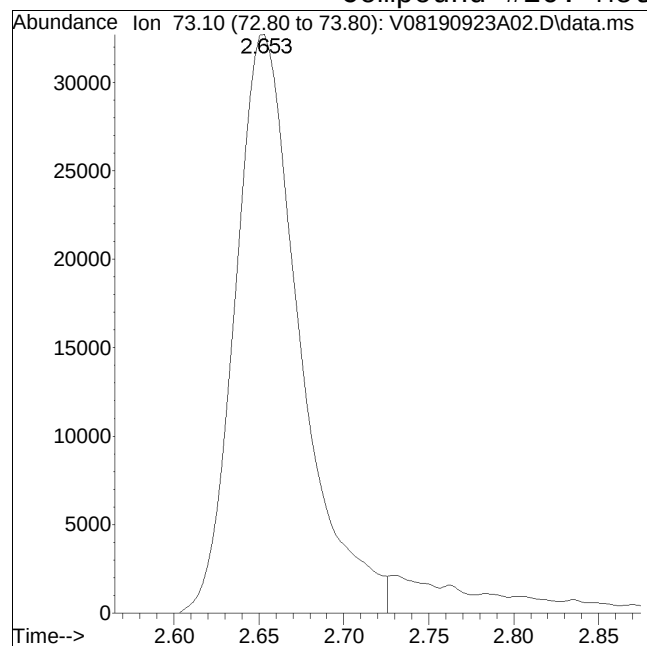
Manual Peak Response = 38079 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-3,31,10,10 Quant Date : 9/23/2019 7:27 am

Compound #20: Methyl tert-butyl ether



Original Peak Response = 86345

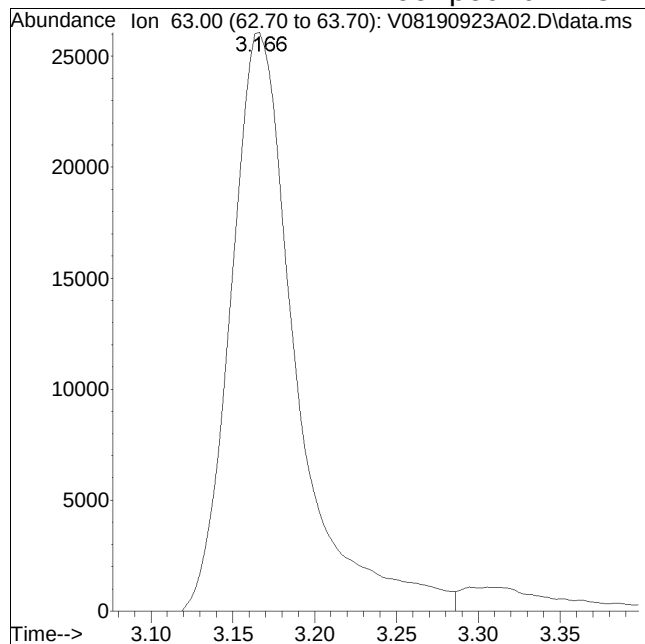
Manual Peak Response = 94748 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

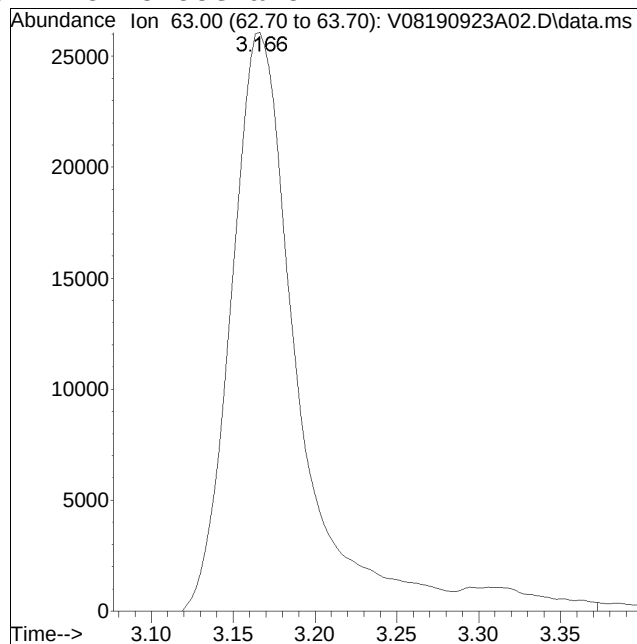
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-3,31,10,10 Quant Date : 9/23/2019 7:27 am

Compound #23: 1,1-Dichloroethane



Original Peak Response = 72255

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

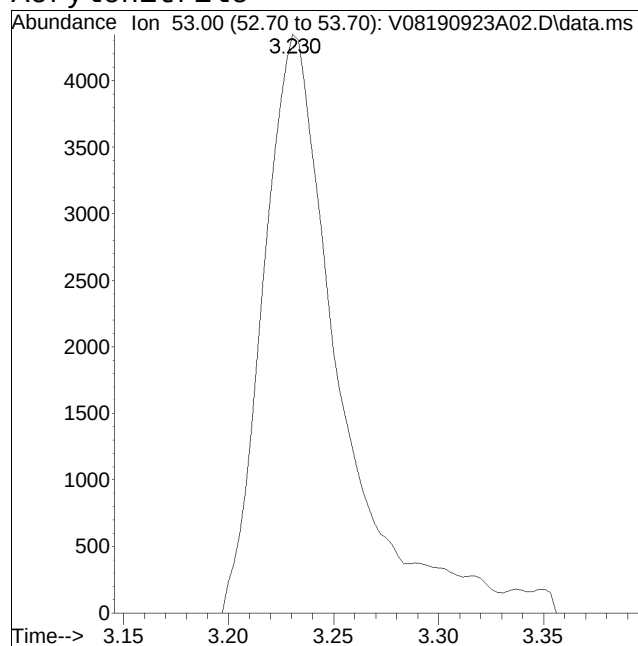
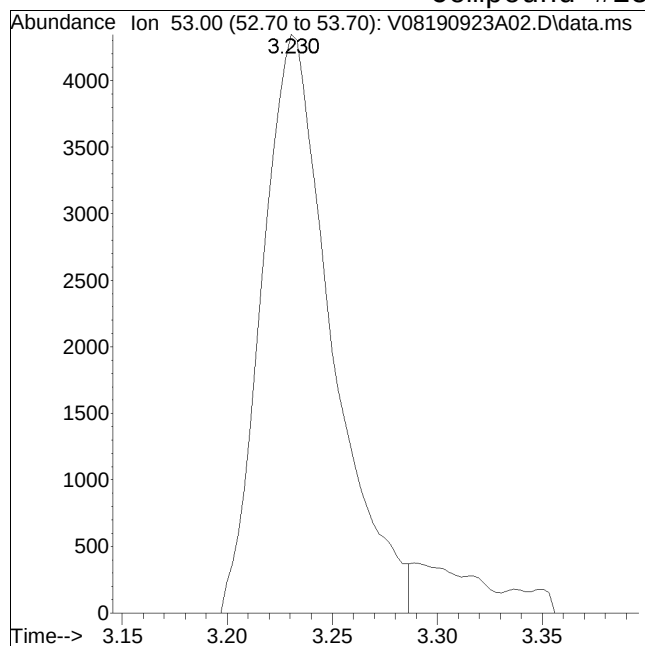


Manual Peak Response = 76248 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-3,31,10,10 Quant Date : 9/23/2019 7:27 am

Compound #25: Acrylonitrile



Original Peak Response = 10016

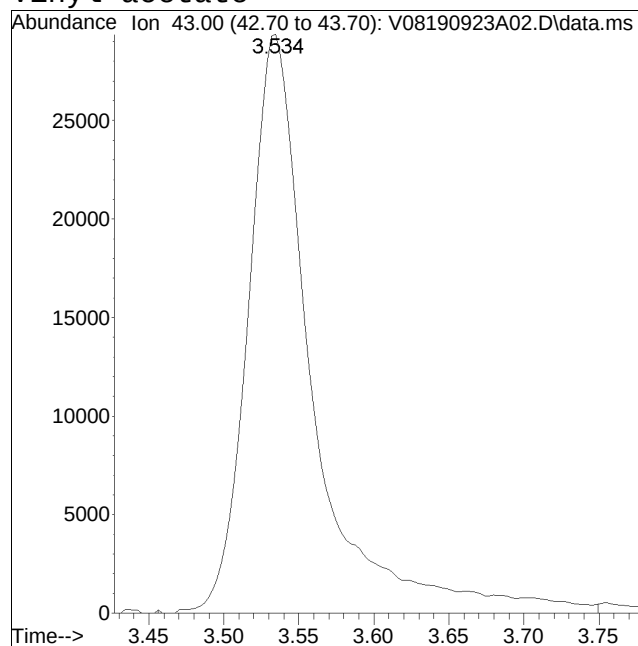
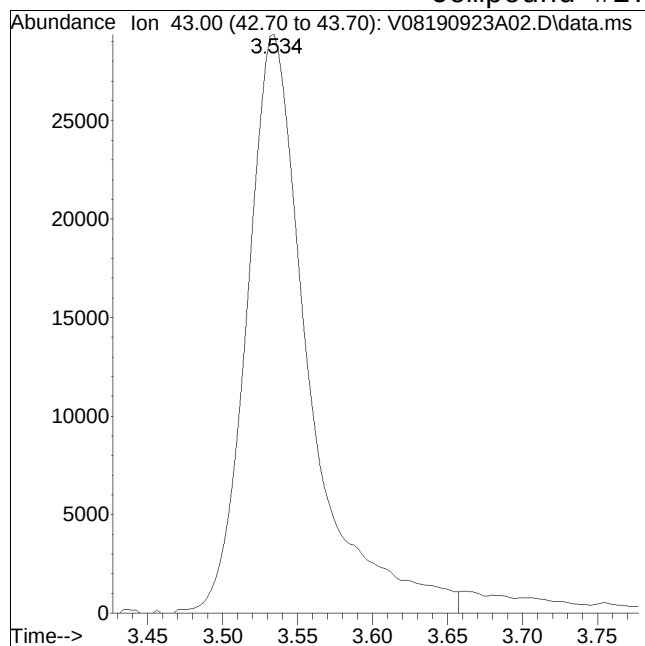
Manual Peak Response = 10998 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-3,31,10,10 Quant Date : 9/23/2019 7:27 am

Compound #27: Vinyl acetate



Original Peak Response = 84532

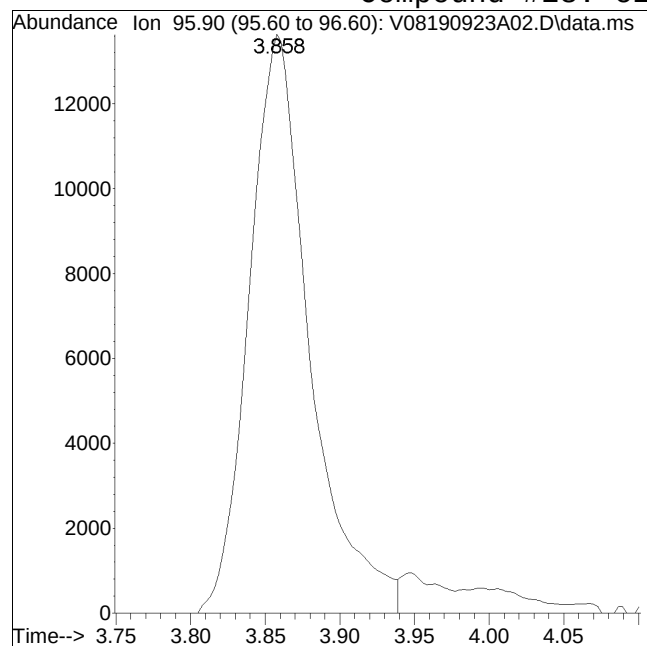
Manual Peak Response = 88577 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

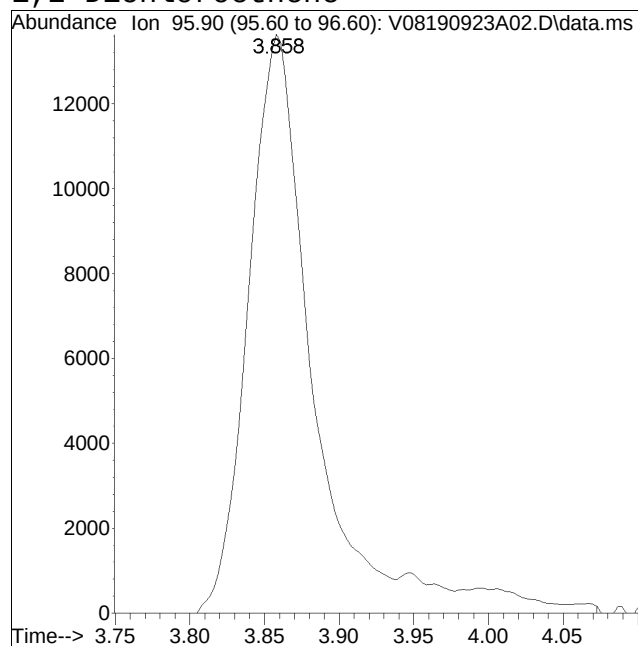
Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-3,31,10,10 Quant Date : 9/23/2019 7:27 am

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 38441

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

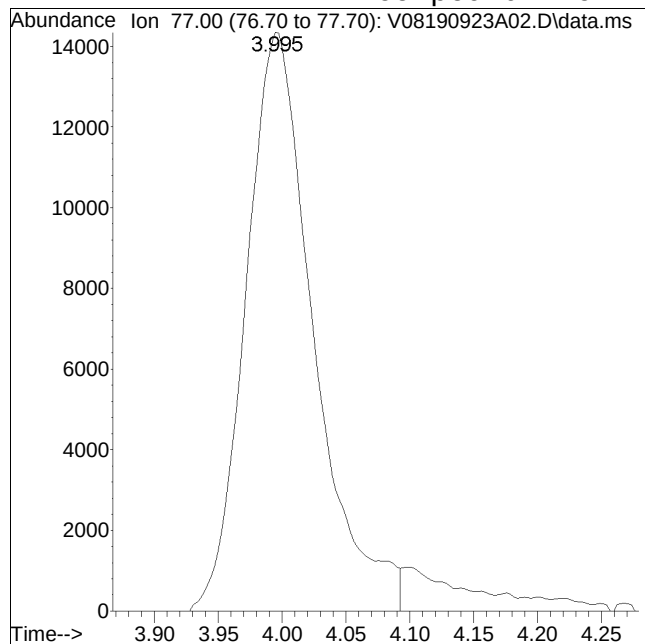


Manual Peak Response = 42257 M1

Manual Integration Report

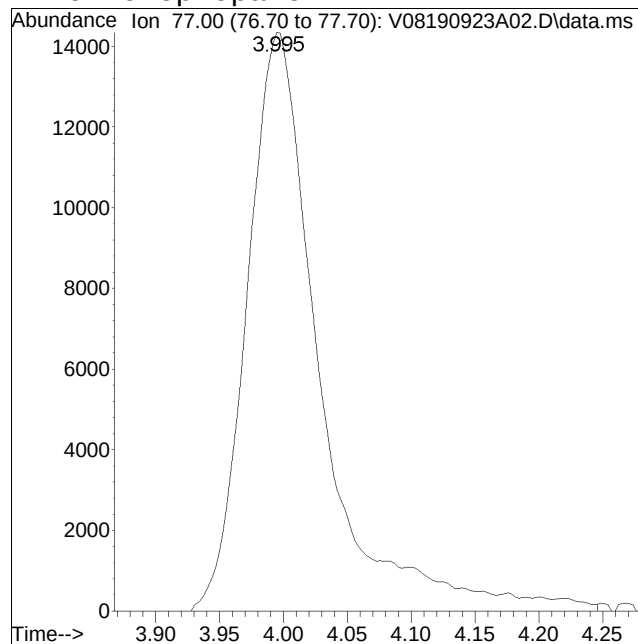
Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-3,31,10,10 Quant Date : 9/23/2019 7:27 am

Compound #29: 2,2-Dichloropropane



Original Peak Response = 52658

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

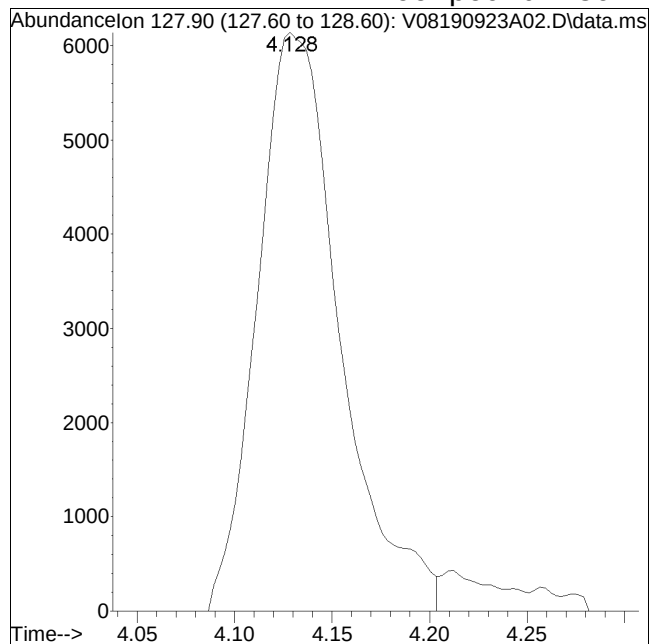


Manual Peak Response = 57199 M1

Manual Integration Report

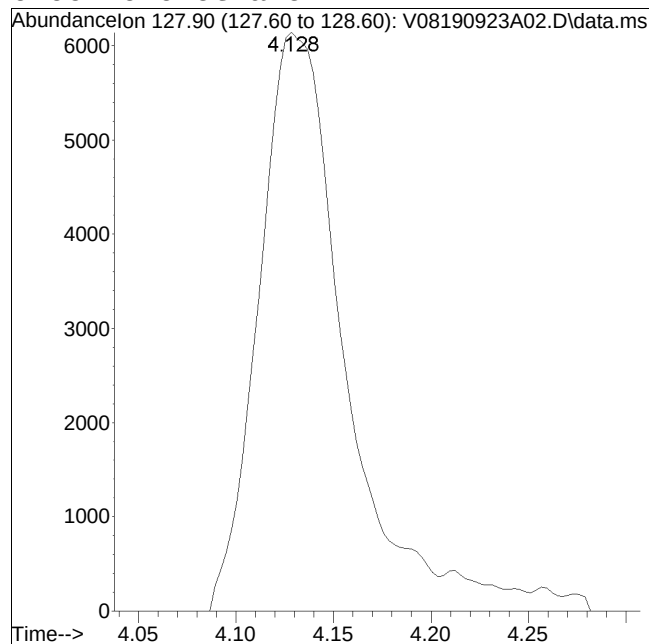
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-3,31,10,10 Quant Date : 9/23/2019 7:27 am

Compound #30: Bromochloromethane



Original Peak Response = 18029

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

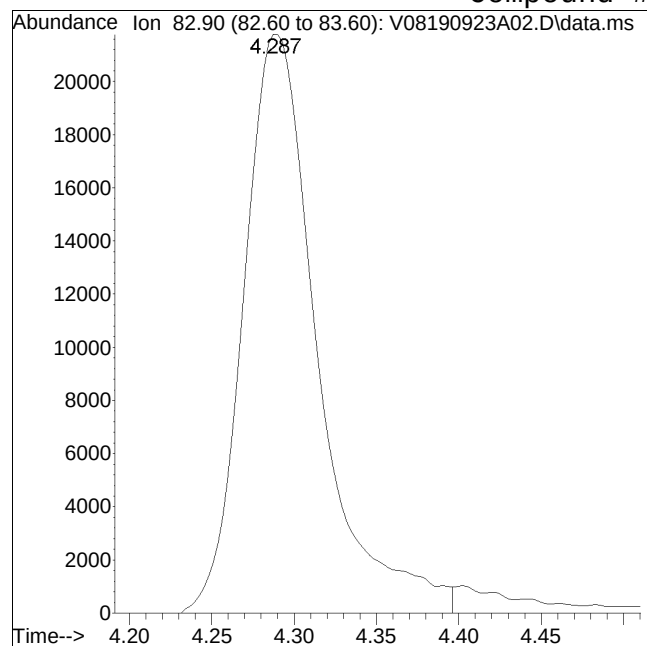


Manual Peak Response = 19188 M1

Manual Integration Report

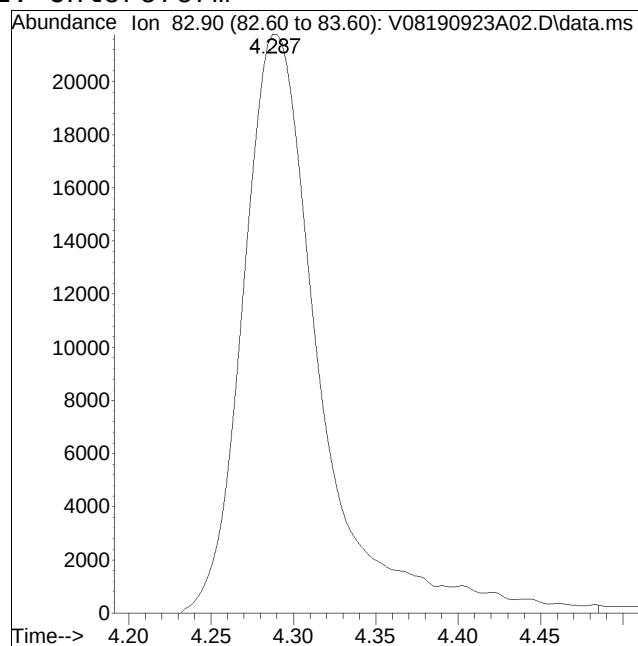
Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-3,31,10,10 Quant Date : 9/23/2019 7:27 am

Compound #32: Chloroform



Original Peak Response = 67954

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

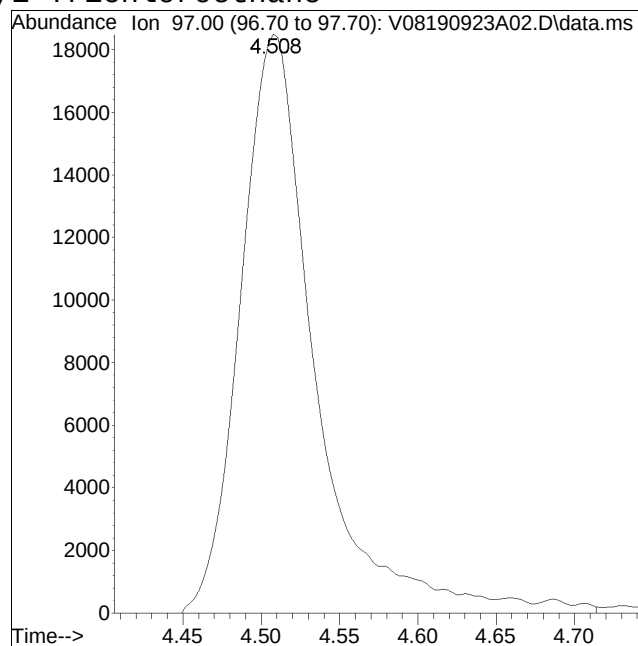
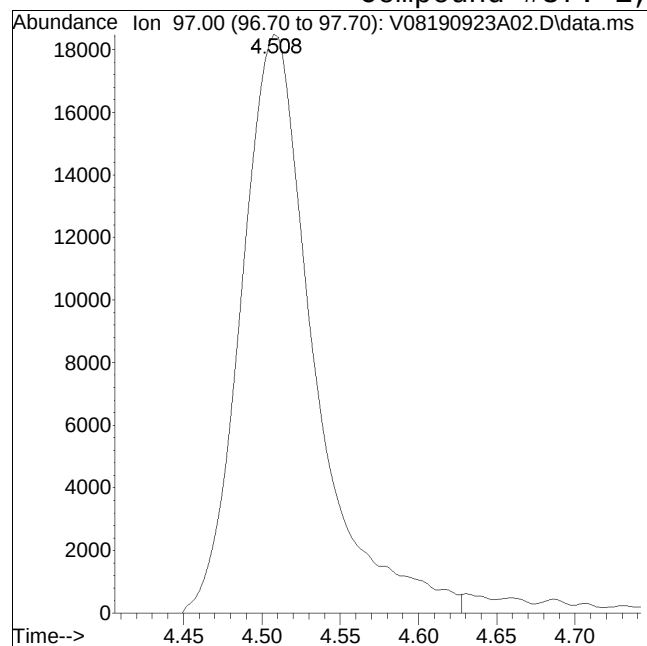


Manual Peak Response = 70883 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-3,31,10,10 Quant Date : 9/23/2019 7:27 am

Compound #37: 1,1,1-Trichloroethane



Original Peak Response = 59696

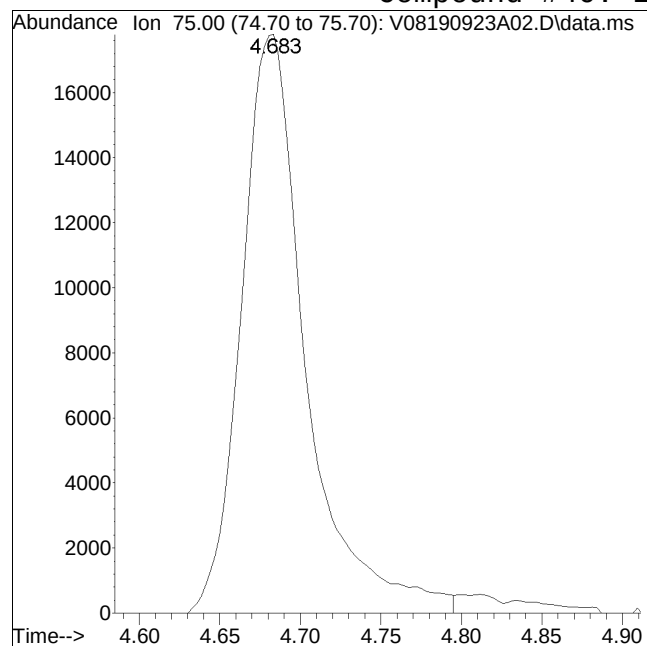
Manual Peak Response = 61767 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

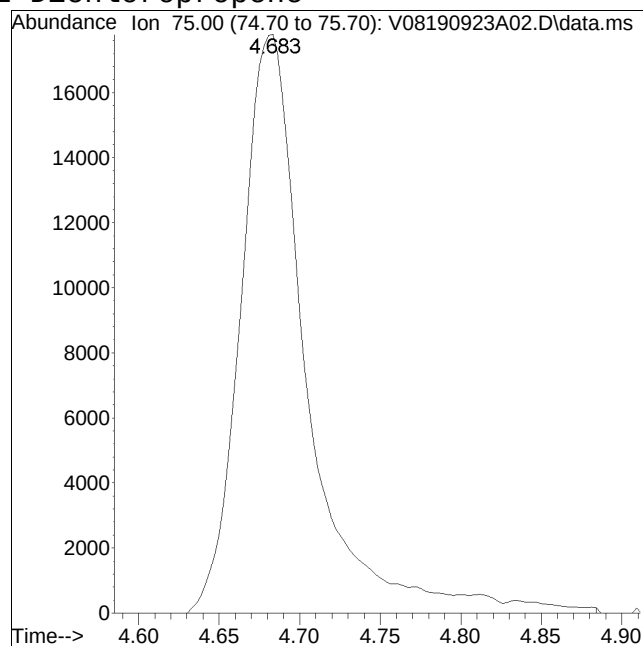
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-3,31,10,10 Quant Date : 9/23/2019 7:27 am

Compound #40: 1,1-Dichloropropene



Original Peak Response = 49527

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

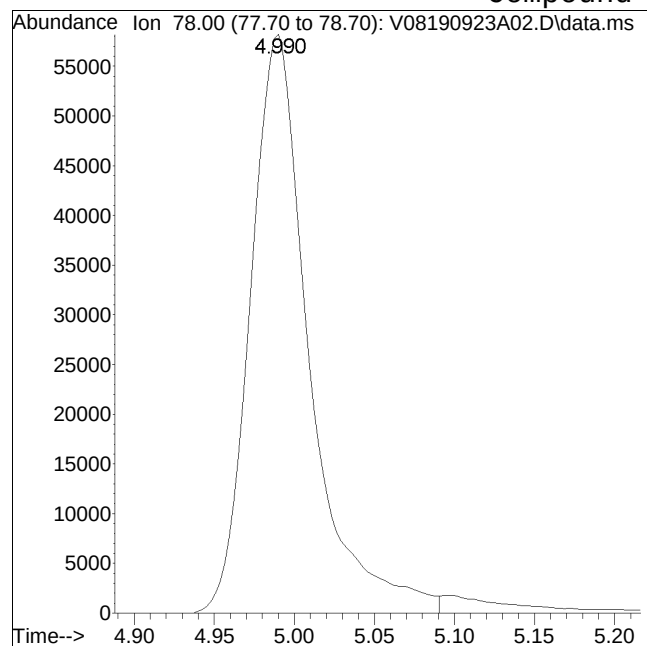


Manual Peak Response = 51385 M1

Manual Integration Report

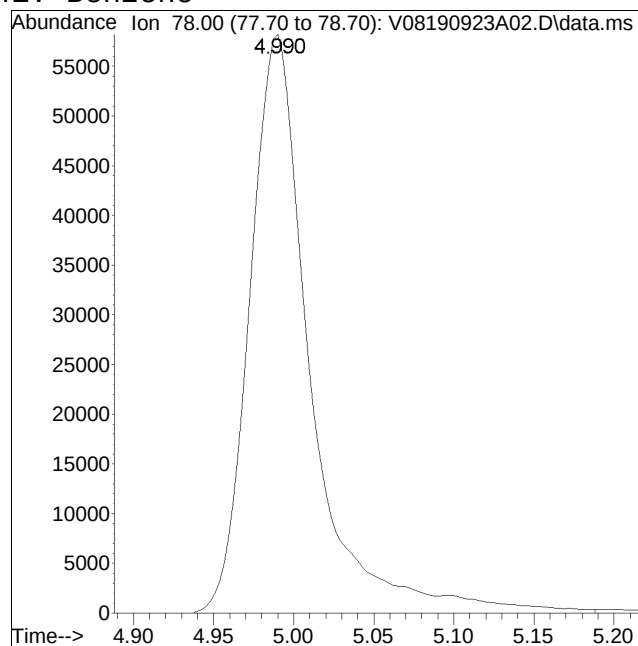
Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-3,31,10,10 Quant Date : 9/23/2019 7:27 am

Compound #41: Benzene



Original Peak Response = 148633

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

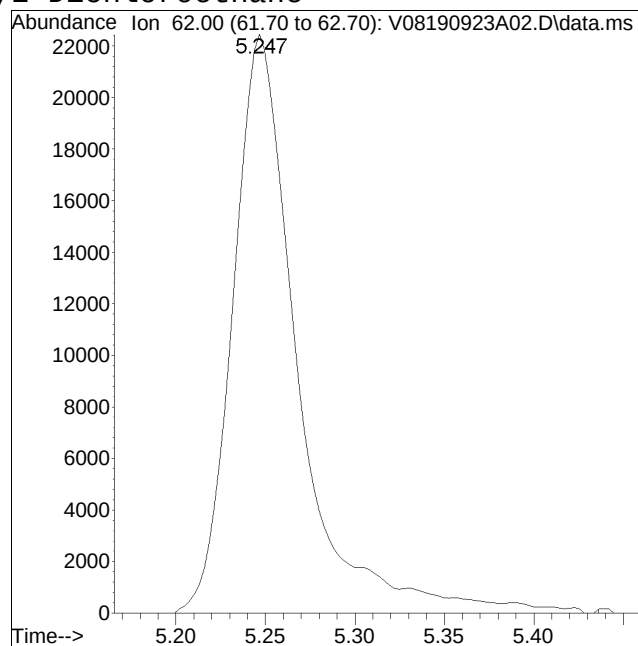
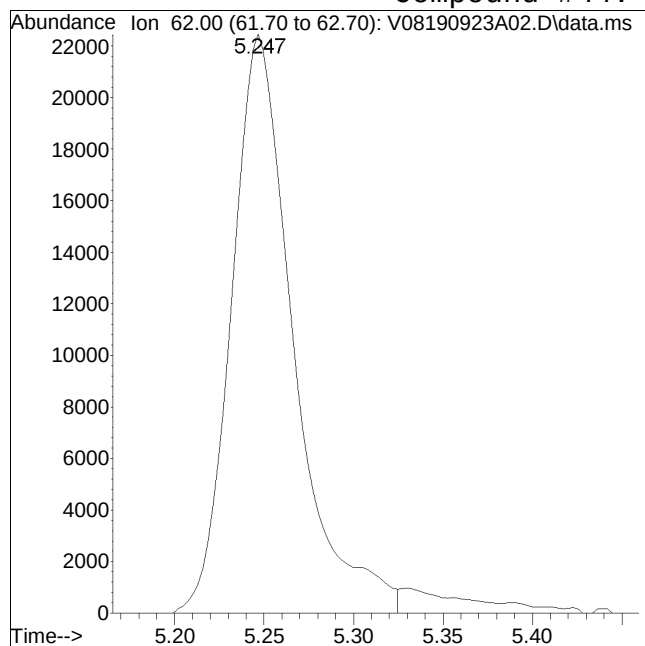


Manual Peak Response = 153913 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-3,31,10,10 Quant Date : 9/23/2019 7:27 am

Compound #44: 1,2-Dichloroethane



Original Peak Response = 53971

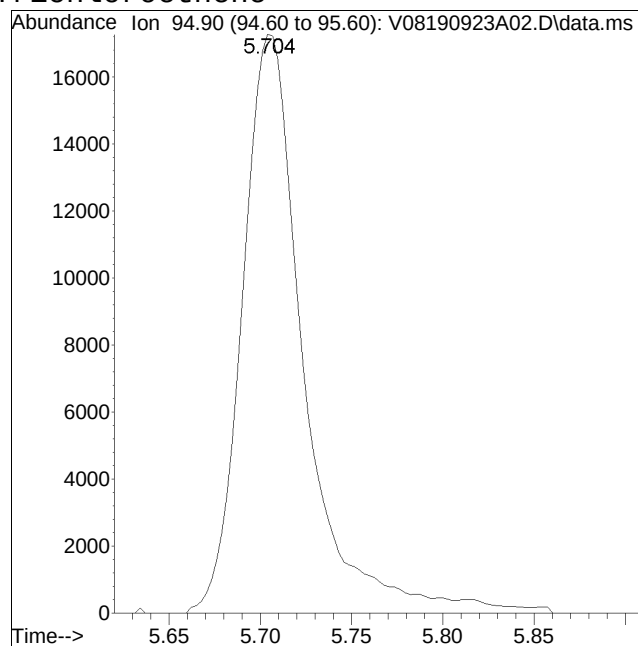
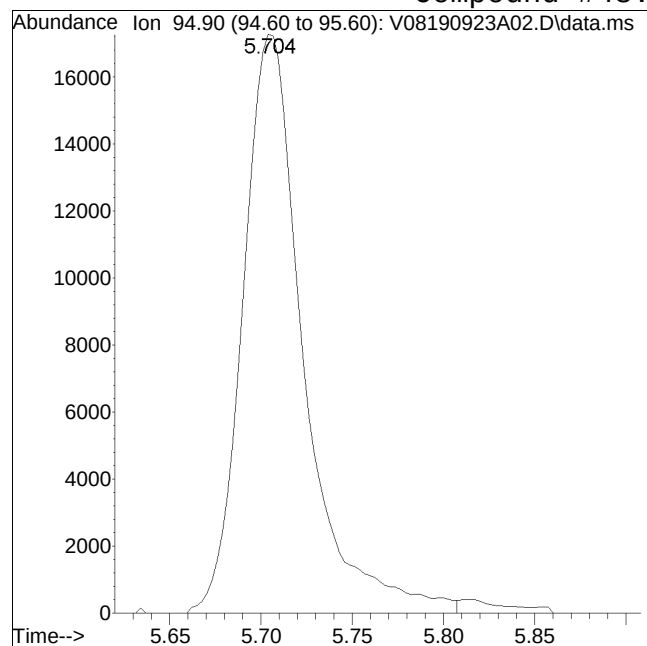
Manual Peak Response = 56838 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-3,31,10,10 Quant Date : 9/23/2019 7:27 am

Compound #48: Trichloroethene



Original Peak Response = 39949

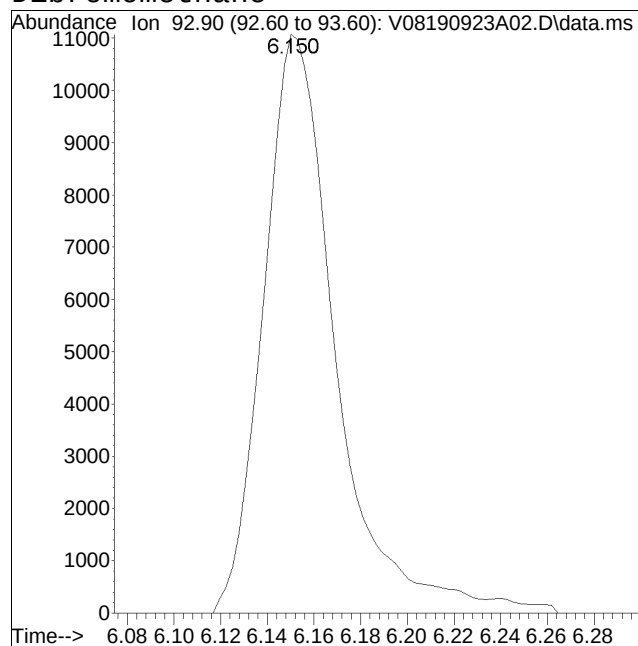
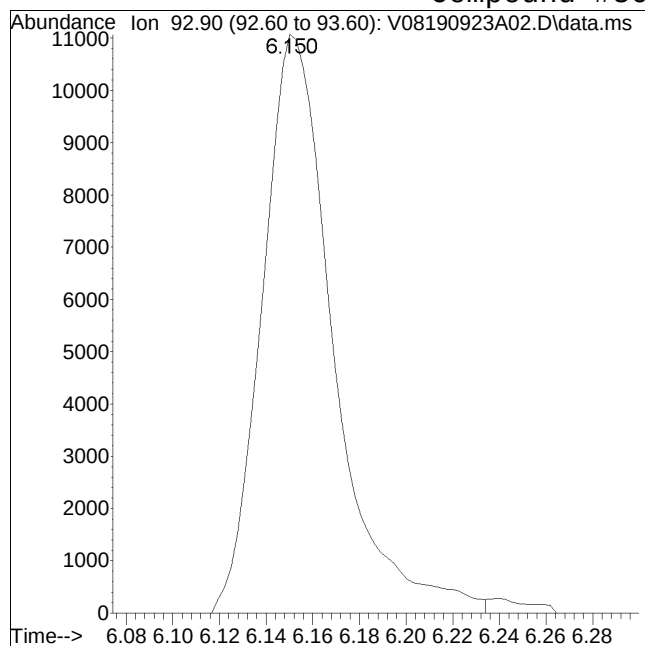
Manual Peak Response = 40705 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-3,31,10,10 Quant Date : 9/23/2019 7:27 am

Compound #50: Dibromomethane



Original Peak Response = 23506

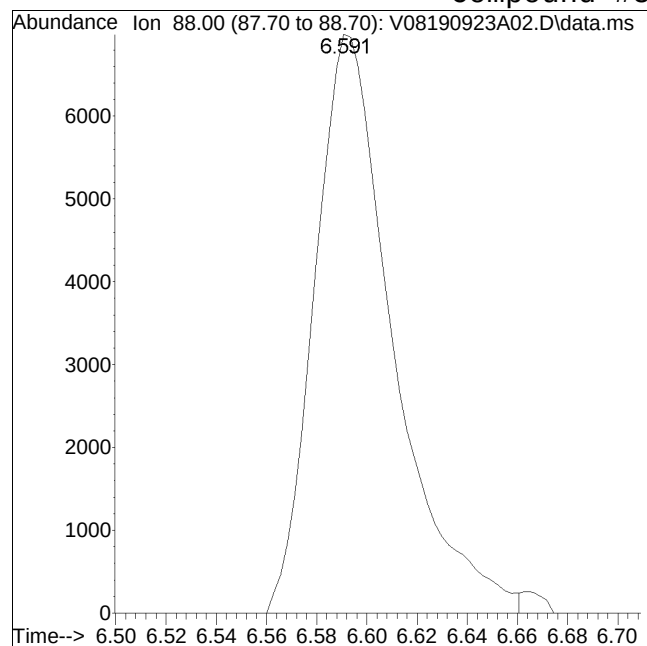
Manual Peak Response = 23844 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

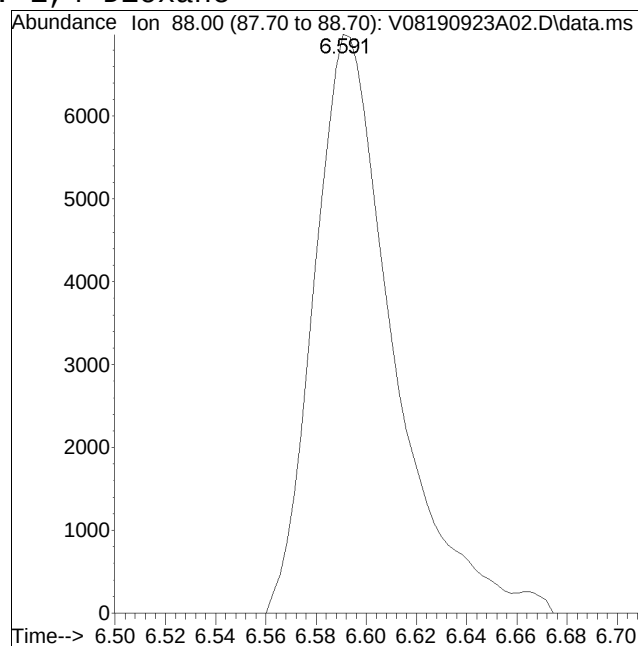
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-3,31,10,10 Quant Date : 9/23/2019 7:27 am

Compound #57: 1,4-Dioxane



Original Peak Response = 15177

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

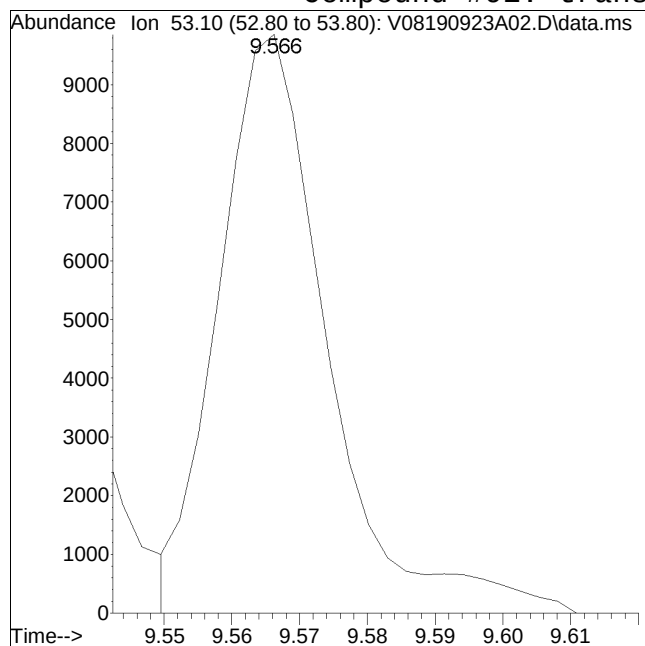


Manual Peak Response = 15326 M1

Manual Integration Report

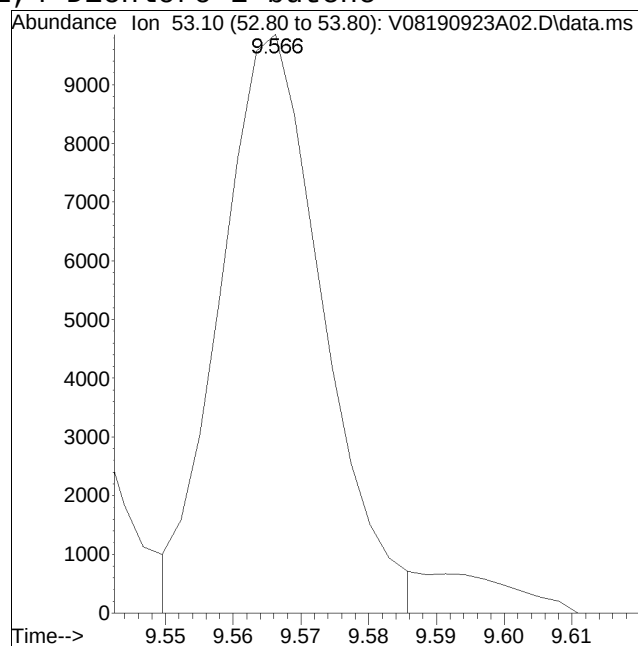
Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190923A02.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 6:50 Instrument : VOA 108
Sample : WG1287429-3,31,10,10 Quant Date : 9/23/2019 7:27 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 10986

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 10333 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A04.D
 Acq On : 21 Sep 2019 9:24
 Operator : GONZO:PD
 Sample : WG1287487-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1287487,ICAL16127 (Sig #1); WG,ICAL16127 (Sig #2)
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 21 10:34:59 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190921A\VG190921A03.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.486	96	318442	10.000	ug/L	0.00
Standard Area 1 = 315591			Recovery	=	100.90%	
59) Chlorobenzene-d5	10.068	117	249747	10.000	ug/L	0.00
Standard Area 1 = 245301			Recovery	=	101.81%	
79) 1,4-Dichlorobenzene-d4	12.664	152	143583	10.000	ug/L	0.00
Standard Area 1 = 143167			Recovery	=	100.29%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.665	113	74636	9.768	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.68%	
43) 1,2-Dichloroethane-d4	6.203	65	81770	11.469	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	114.69%	
60) Toluene-d8	8.208	98	296677	9.343	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	93.43%	
83) 4-Bromofluorobenzene	11.489	95	108654	9.485	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	94.85%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.850	85	60592	9.025	ug/L	99
3) Chloromethane	2.075	50	66606	8.491	ug/L	98
4) Vinyl chloride	2.153	62	60230	9.243	ug/L	98
5) Bromomethane	2.505	94	20015	6.210	ug/L	94
6) Chloroethane	2.633	64	37748	9.713	ug/L	95
7) Trichlorofluoromethane	2.789	101	105516	9.935	ug/L	100
8) Ethyl ether	3.112	74	25202	9.280	ug/L #	79
10) 1,1-Dichloroethene	3.317	96	52983	9.039	ug/L	89
11) Carbon disulfide	3.347	76	149941	8.877	ug/L	100
15) Methylene chloride	3.904	84	56496	9.059	ug/L	81
17) Acetone	3.953	43	12019	9.667	ug/L #	88
18) trans-1,2-Dichloroethene	4.061	96	59567	9.274	ug/L	92
20) Methyl tert-butyl ether	4.158	73	134988	9.932	ug/L #	87
23) 1,1-Dichloroethane	4.677	63	112250	9.675	ug/L	99
25) Acrylonitrile	4.735	53	12208	10.088	ug/L	96
27) Vinyl acetate	4.912	43	147155	10.765	ug/L #	95
28) cis-1,2-Dichloroethene	5.215	96	63975	9.080	ug/L	91
29) 2,2-Dichloropropane	5.313	77	102097	10.755	ug/L	89
30) Bromochloromethane	5.410	128	31716	9.708	ug/L	90
32) Chloroform	5.479	83	113277	9.754	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A04.D
 Acq On : 21 Sep 2019 9:24
 Operator : GONZO:PD
 Sample : WG1287487-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1287487,ICAL16127 (Sig #1); WG,ICAL16127 (Sig #2)
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 21 10:34:59 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190921A\VG190921A03.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	5.616	117	98244	10.213	ug/L	98
37) 1,1,1-Trichloroethane	5.684	97	108563	9.958	ug/L	96
39) 2-Butanone	5.782	43	20240	11.400	ug/L #	76
40) 1,1-Dichloropropene	5.811	75	85738	9.723	ug/L	98
41) Benzene	6.066	78	244686	9.174	ug/L	95
44) 1,2-Dichloroethane	6.281	62	79908	10.878	ug/L	99
48) Trichloroethene	6.662	95	69060	9.659	ug/L	99
50) Dibromomethane	7.122	93	33604	9.657	ug/L #	86
51) 1,2-Dichloropropane	7.230	63	59403	9.302	ug/L	98
54) Bromodichloromethane	7.288	83	83660	9.530	ug/L	100
57) 1,4-Dioxane	7.503	88	18452	490.046	ug/L #	92
58) cis-1,3-Dichloropropene	7.992	75	99516	9.652	ug/L #	82
61) Toluene	8.266	92	167106	9.136	ug/L	98
62) 4-Methyl-2-pentanone	8.697	58	14437	9.557	ug/L	76
63) Tetrachloroethene	8.706	166	91776	8.949	ug/L	96
65) trans-1,3-Dichloropropene	8.746	75	85463	9.432	ug/L	86
68) 1,1,2-Trichloroethane	8.942	83	38961	9.099	ug/L	99
69) Chlorodibromomethane	9.157	129	61436	9.234	ug/L	99
70) 1,3-Dichloropropane	9.265	76	78206	9.073	ug/L	100
71) 1,2-Dibromoethane	9.441	107	46853	9.075	ug/L	99
72) 2-Hexanone	9.715	43	29635	10.145	ug/L	87
73) Chlorobenzene	10.088	112	186585	9.334	ug/L	98
74) Ethylbenzene	10.117	91	326184	9.172	ug/L	100
75) 1,1,1,2-Tetrachloroethane	10.166	131	69055	9.279	ug/L	98
76) p/m Xylene	10.303	106	258284	18.709	ug/L	99
77) o Xylene	10.813	106	245391	18.939	ug/L	99
78) Styrene	10.881	104	408000	19.241	ug/L	99
80) Bromoform	10.911	173	43370	8.913	ug/L	97
82) Isopropylbenzene	11.175	105	341839	9.560	ug/L	100
84) Bromobenzene	11.606	156	94569	9.456	ug/L	97
85) n-Propylbenzene	11.635	91	389760	9.292	ug/L	98
87) 1,1,2,2-Tetrachloroethane	11.714	83	50385	9.367	ug/L	100
88) 4-Ethyltoluene	11.753	105	324509	9.670	ug/L	100
89) 2-Chlorotoluene	11.802	91	220683M1	9.390	ug/L	
90) 1,3,5-Trimethylbenzene	11.851	105	284177	9.643	ug/L	100
91) 1,2,3-Trichloropropane	11.861	75	45001M1	10.171	ug/L	
92) trans-1,4-Dichloro-2-b...	11.910	53	12646	9.702	ug/L #	98
93) 4-Chlorotoluene	11.978	91	235960	9.531	ug/L	97
94) tert-Butylbenzene	12.184	119	243808	9.251	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A04.D
 Acq On : 21 Sep 2019 9:24
 Operator : GONZO:PD
 Sample : WG1287487-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1287487,ICAL16127 (Sig #1); WG,ICAL16127 (Sig #2)
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 21 10:34:59 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2019\190921A\VG190921A03.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	12.253	105	281304	9.684	ug/L	100
98)	sec-Butylbenzene	12.360	105	346971	9.827	ug/L	100
99)	p-Isopropyltoluene	12.507	119	310544	9.338	ug/L	99
100)	1,3-Dichlorobenzene	12.586	146	175258	9.631	ug/L	97
101)	1,4-Dichlorobenzene	12.674	146	177660	9.714	ug/L	97
102)	p-Diethylbenzene	12.880	119	173105	9.279	ug/L	97
103)	n-Butylbenzene	12.929	91	269373	9.642	ug/L	98
104)	1,2-Dichlorobenzene	13.095	146	155771	9.559	ug/L	96
105)	1,2,4,5-Tetramethylben...	13.653	119	251985	9.280	ug/L	98
106)	1,2-Dibromo-3-chloropr...	13.869	155	8854	9.860	ug/L	99
108)	Hexachlorobutadiene	14.447	225	49942	8.004	ug/L	100
109)	1,2,4-Trichlorobenzene	14.486	180	108837	9.344	ug/L	98
110)	Naphthalene	14.780	128	165413	10.215	ug/L	100
111)	1,2,3-Trichlorobenzene	14.947	180	88532	9.653	ug/L	96

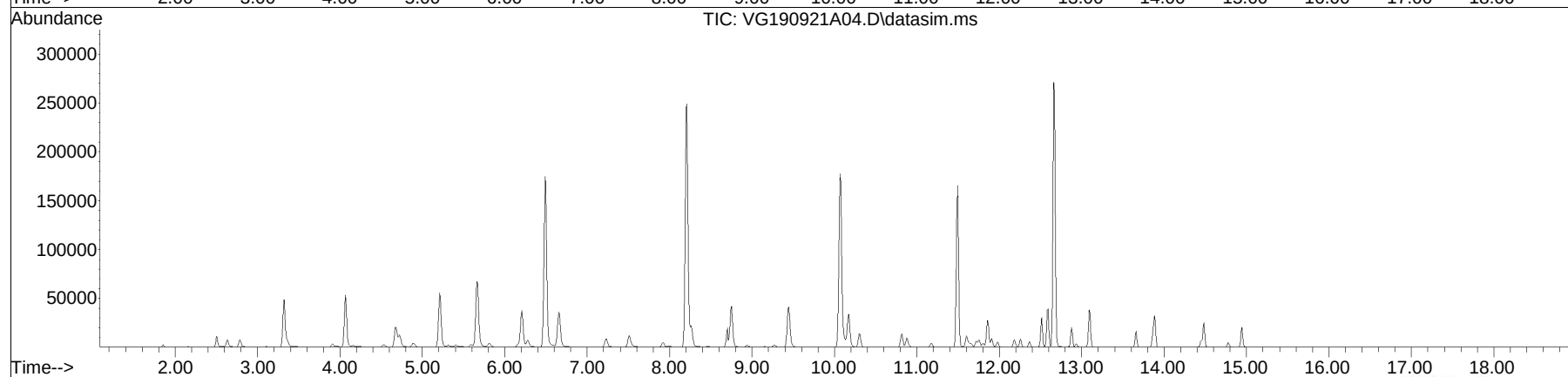
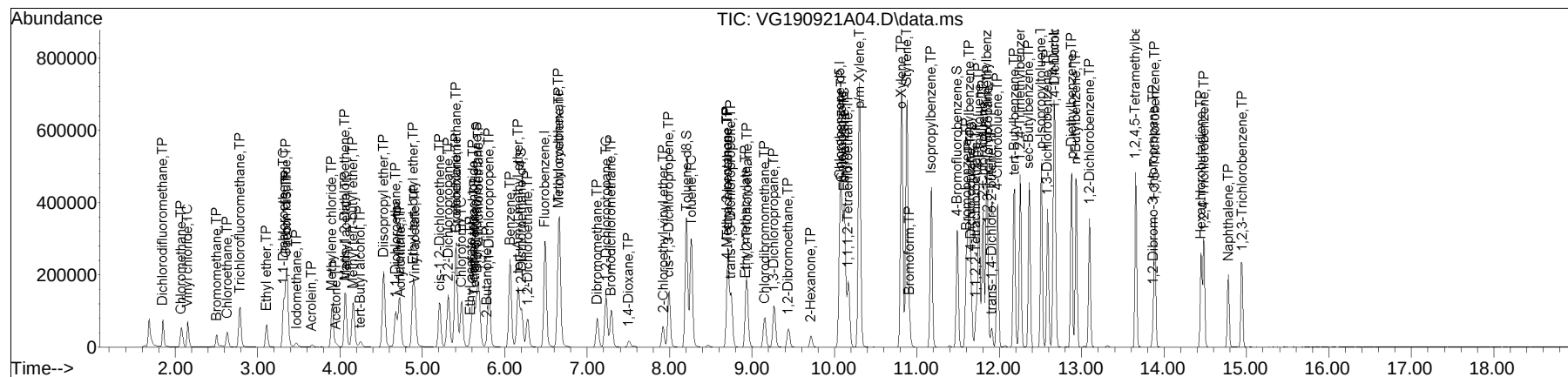
(#) = qualifier out of range (m) = manual integration (+) = signals summed

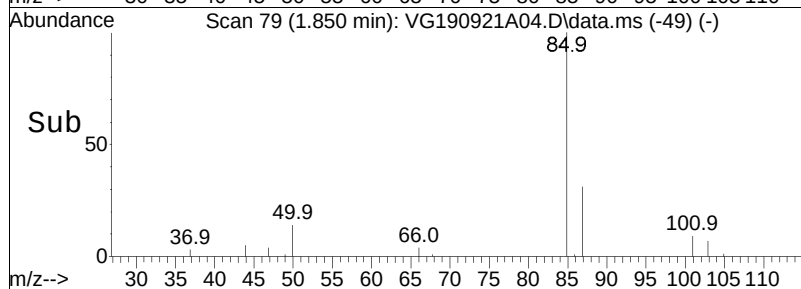
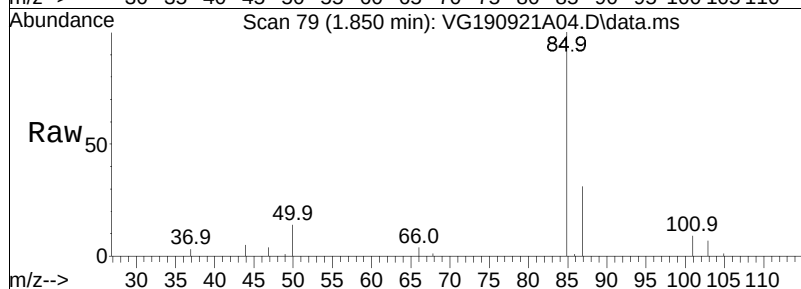
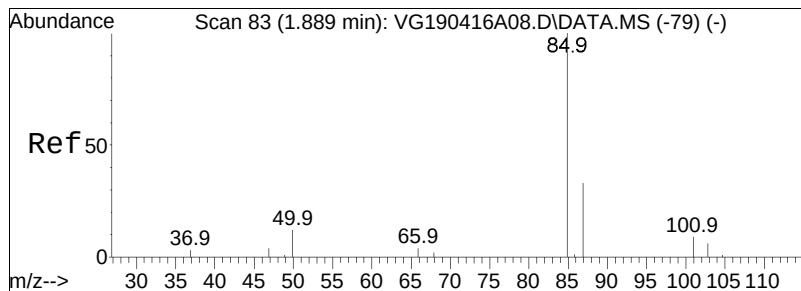
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2019\190921A\
 Data File : VG190921A04.D
 Acq On : 21 Sep 2019 9:24
 Operator : GONZO:PD
 Sample : WG1287487-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1287487,ICAL16127 (Sig #1); WG,ICAL16127 (Sig #2)
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 21 10:34:59 2019
 Quant Method : I:\VOLATILES\Gonzo\2019\190921A\G_190913_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 13 12:14:31 2019
 Response via : Initial Calibration

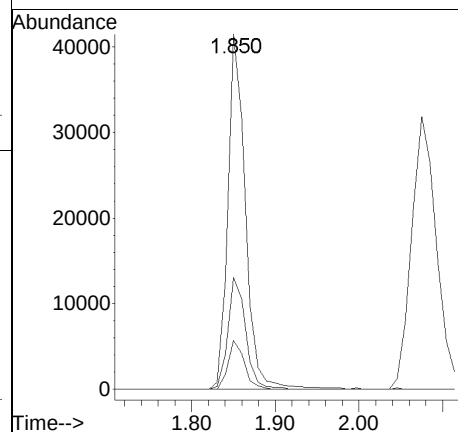
Sub List : 8260-Curve - Megamix plus Diox0921A\VG190921A03.D•

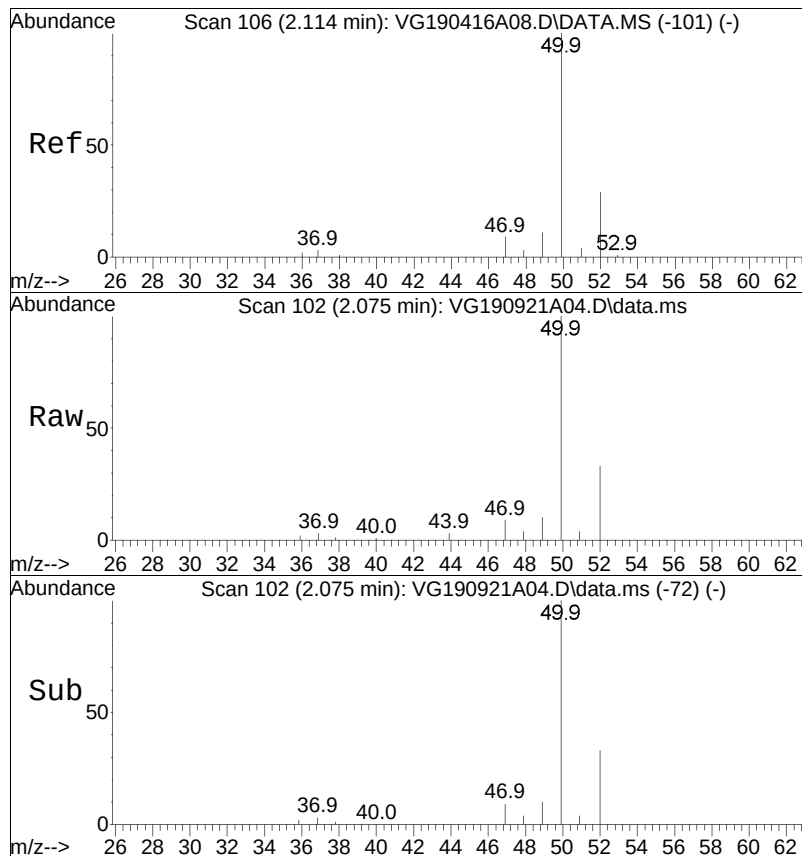




#2
 Dichlorodifluoromethane
 Concen: 9.03 ug/L
 RT: 1.850 min Scan# 79
 Delta R.T. -0.010 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

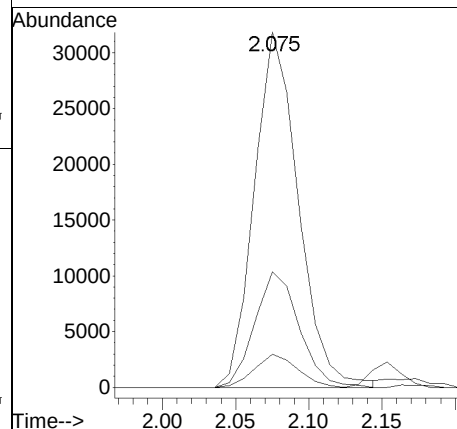
Tgt Ion	85	87	50	Ratio	100	31.9	20.7	7.5	Resp	60592	Lower	Upper
85	100											
87		31.9					20.7					42.9
50		12.8					7.5					15.5

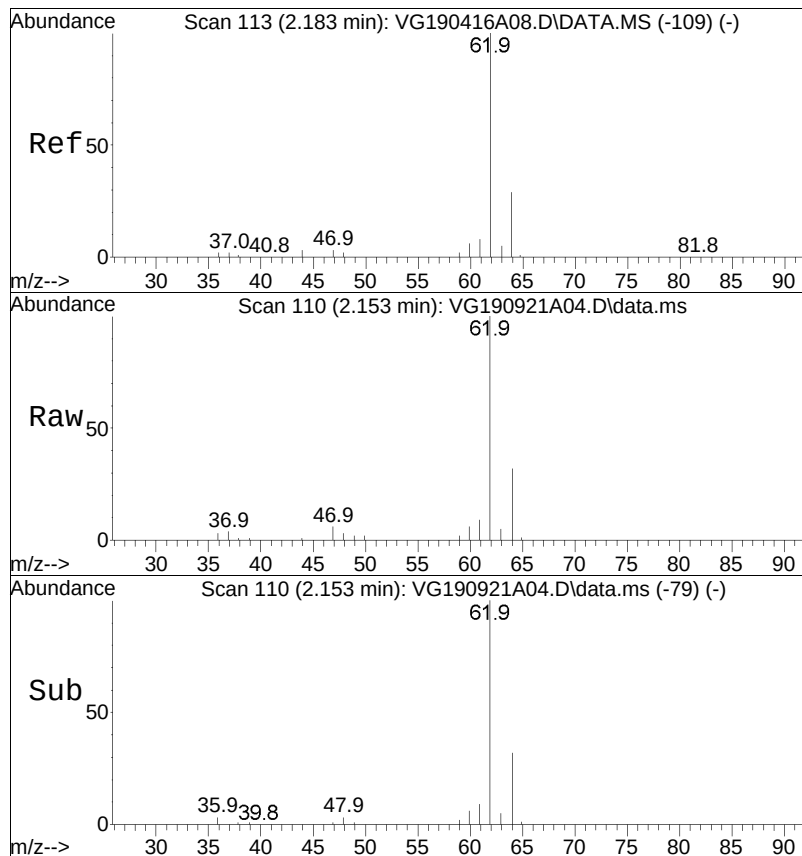




#3
 Chloromethane
 Concen: 8.49 ug/L
 RT: 2.075 min Scan# 102
 Delta R.T. -0.010 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

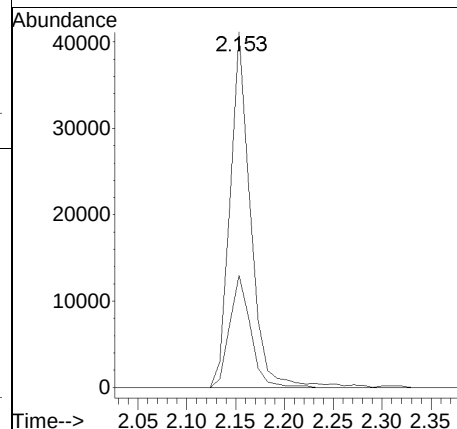
Tgt	Ion: 50	Resp:	66606
Ion	Ratio	Lower	Upper
50	100		
52	32.8	11.7	51.7
47	9.2	0.0	28.0

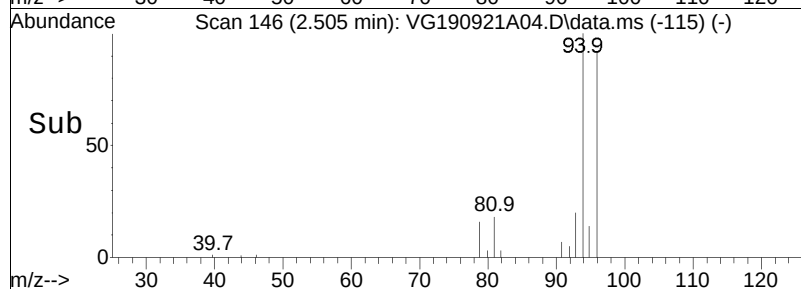
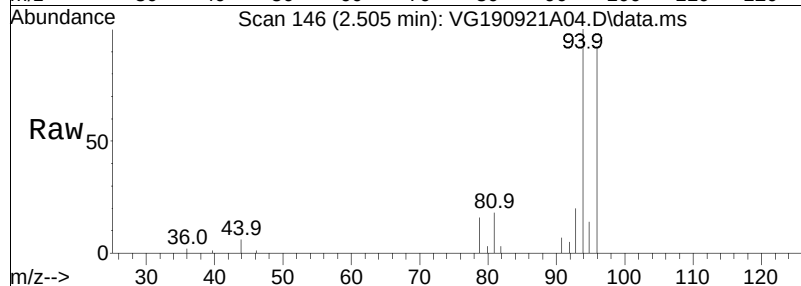
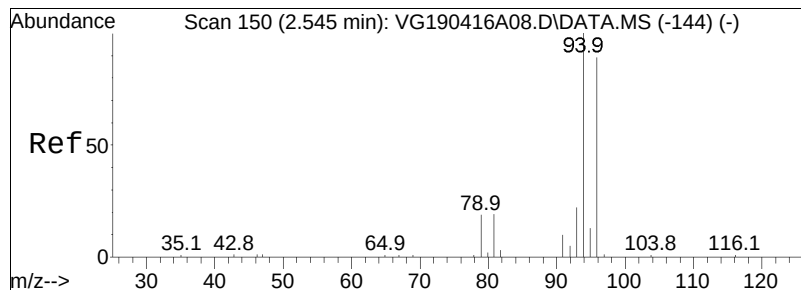




#4
 Vinyl chloride
 Concen: 9.24 ug/L
 RT: 2.153 min Scan# 110
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

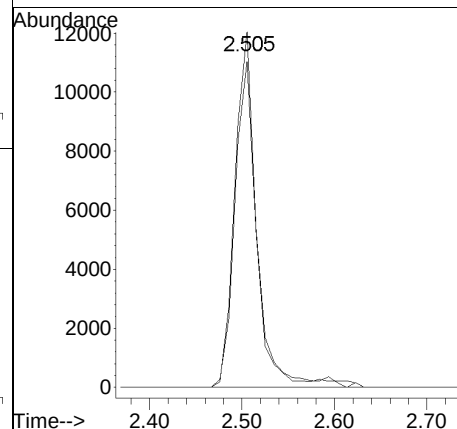
Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.2	11.3	51.3

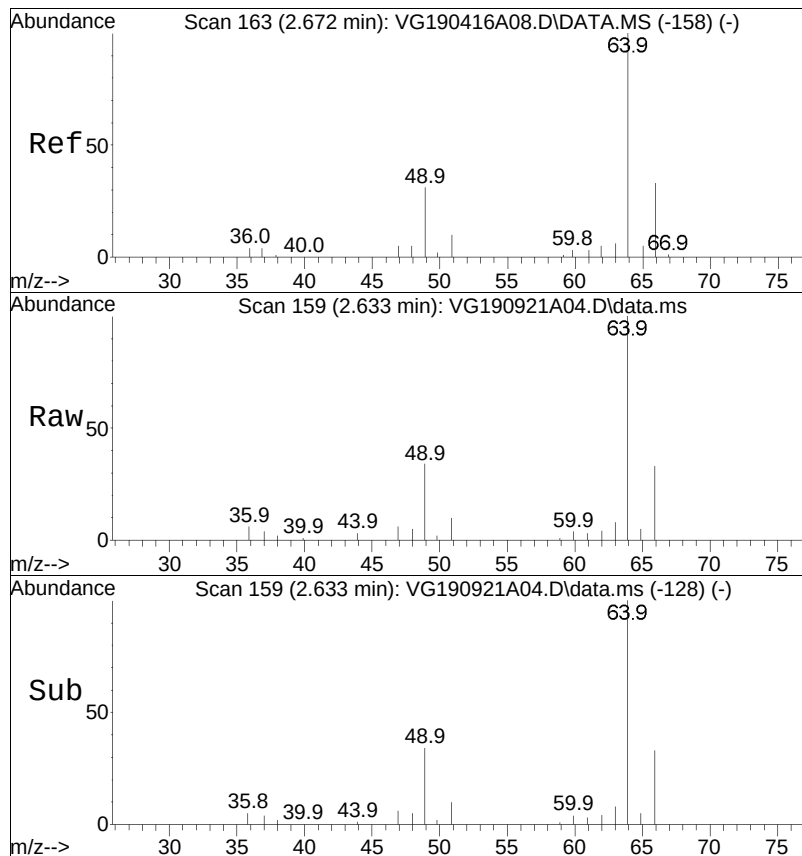




#5
 Bromomethane
 Concen: 6.21 ug/L
 RT: 2.505 min Scan# 146
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

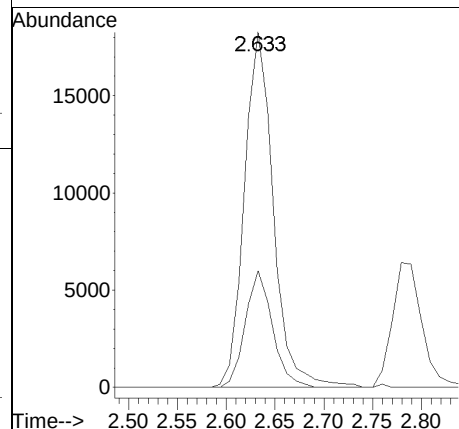
Tgt Ion: 94 Resp: 20015
 Ion Ratio Lower Upper
 94 100
 96 89.6 75.2 115.2

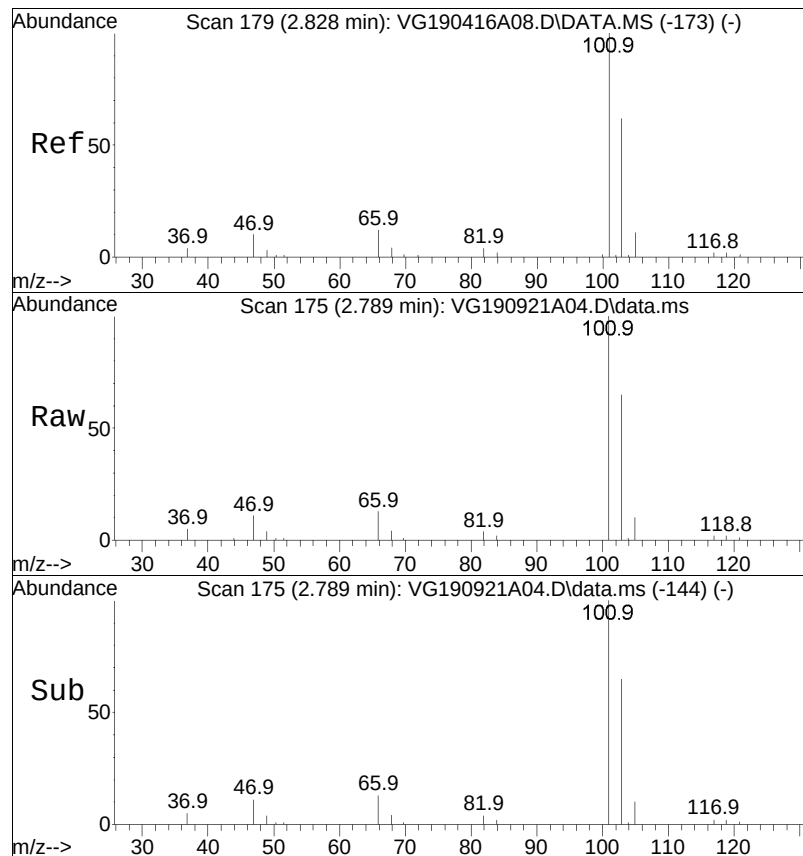




#6
 Chloroethane
 Concen: 9.71 ug/L
 RT: 2.633 min Scan# 159
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

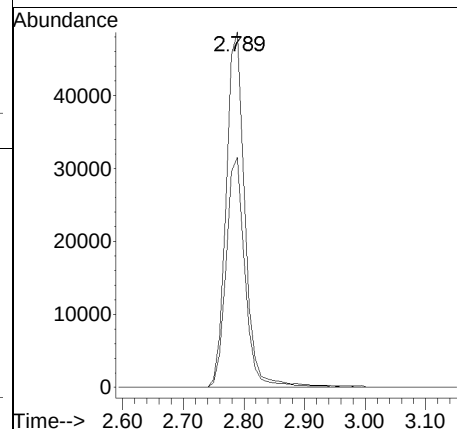
Tgt	Ion	Ratio	Lower	Upper
64	100			
66	30.7	13.7	53.7	

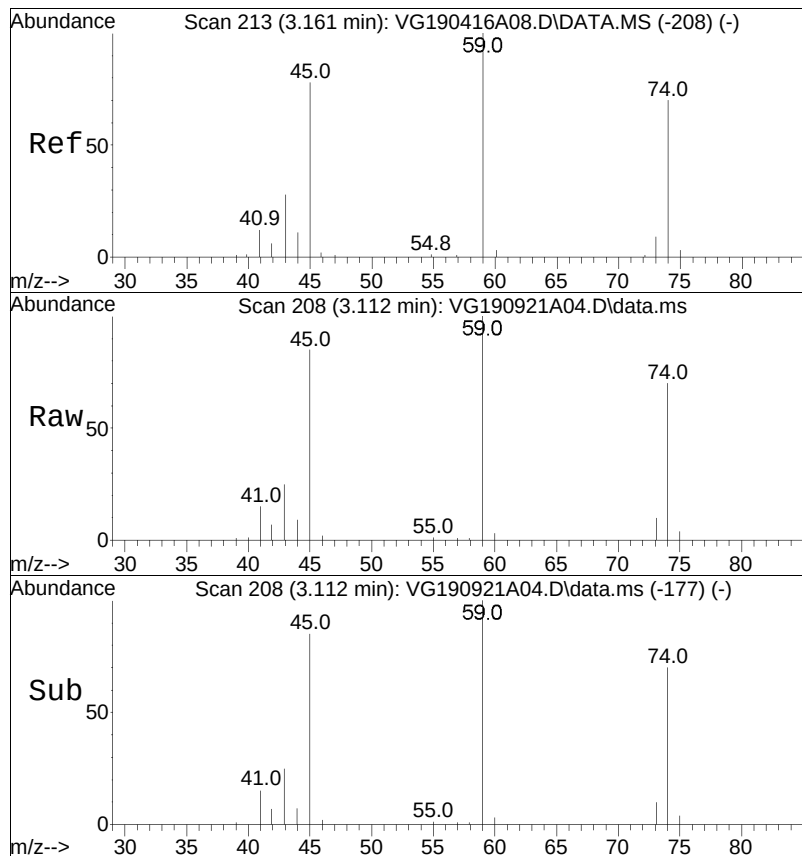




#7
 Trichlorofluoromethane
 Concen: 9.94 ug/L
 RT: 2.789 min Scan# 175
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

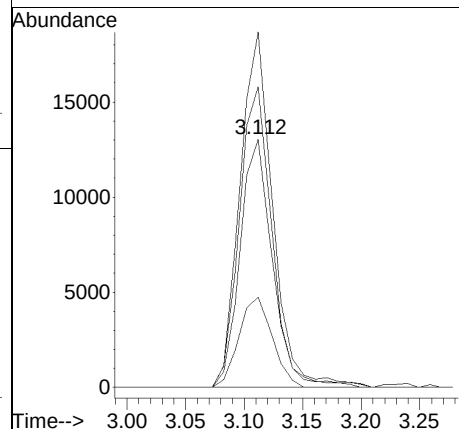
Tgt	Ion	Ratio	Lower	Upper
101	101	100		
103	64.9	52.2	52.2	78.2

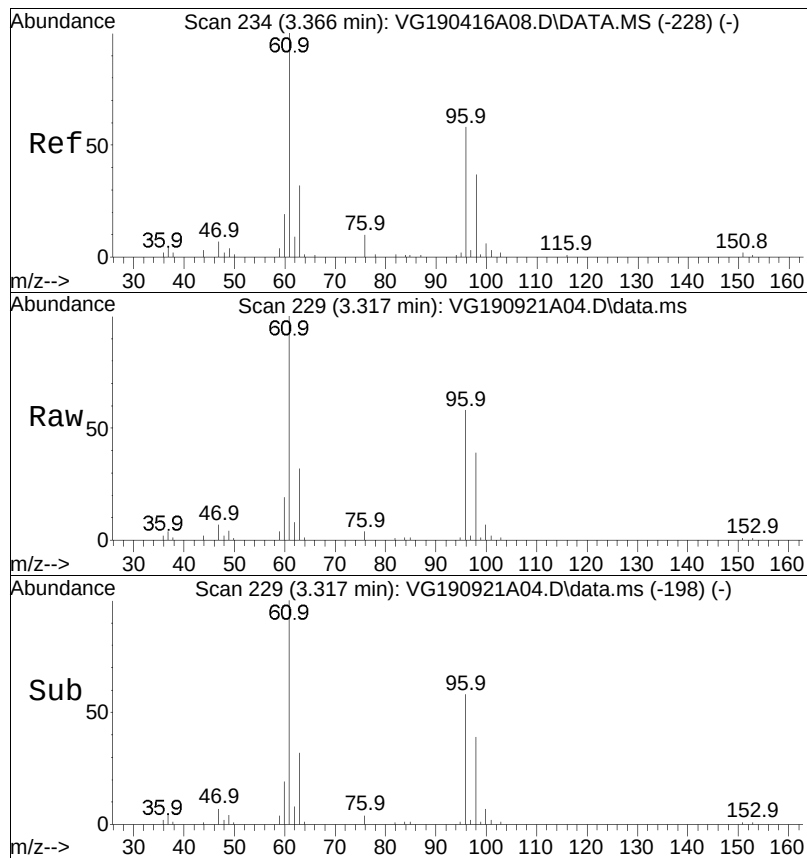




#8
 Ethyl ether
 Concen: 9.28 ug/L
 RT: 3.112 min Scan# 208
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

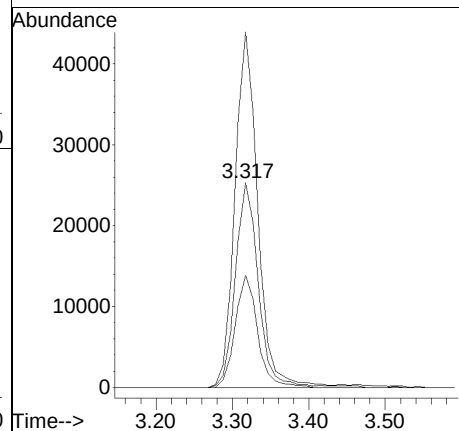
Tgt Ion:	74	Resp:	25202
Ion	Ratio	Lower	Upper
74	100		
59	144.6	83.5	173.3
45	122.4	59.7	123.9
43	37.3	17.6	36.6#

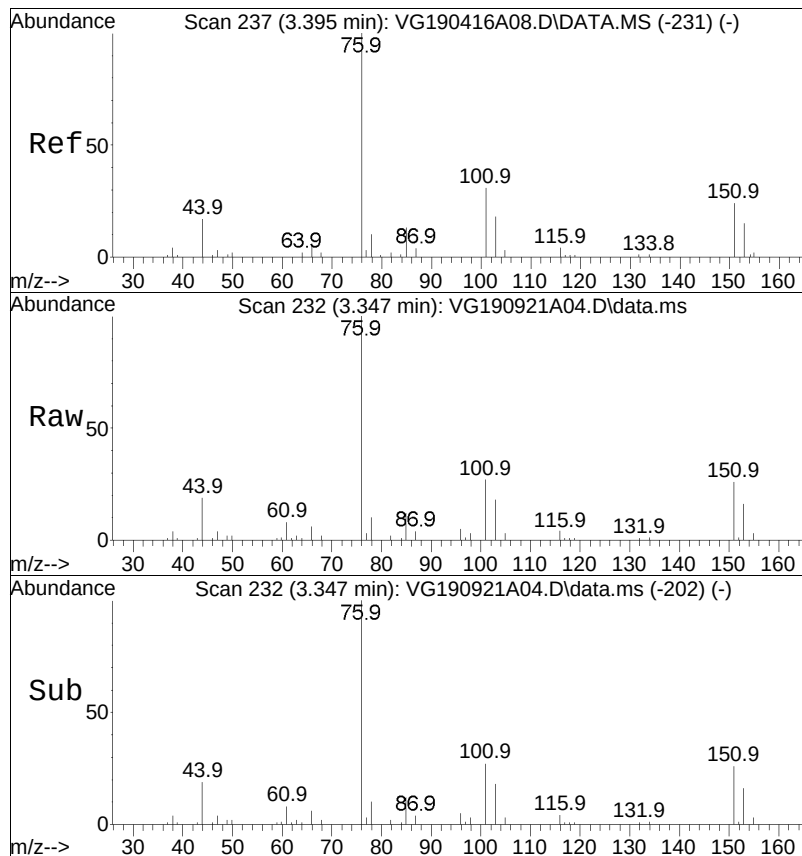




#10
 1,1-Dichloroethene
 Concen: 9.04 ug/L
 RT: 3.317 min Scan# 229
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

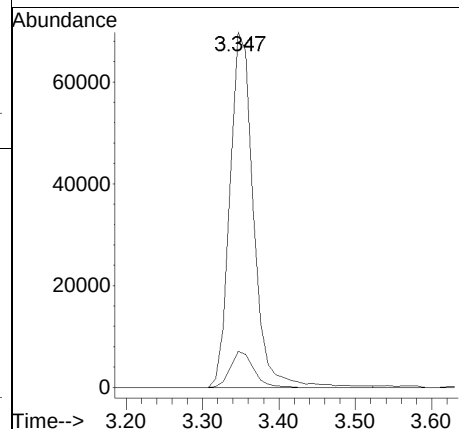
Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.6	124.2	186.4
63	53.3	40.0	60.0

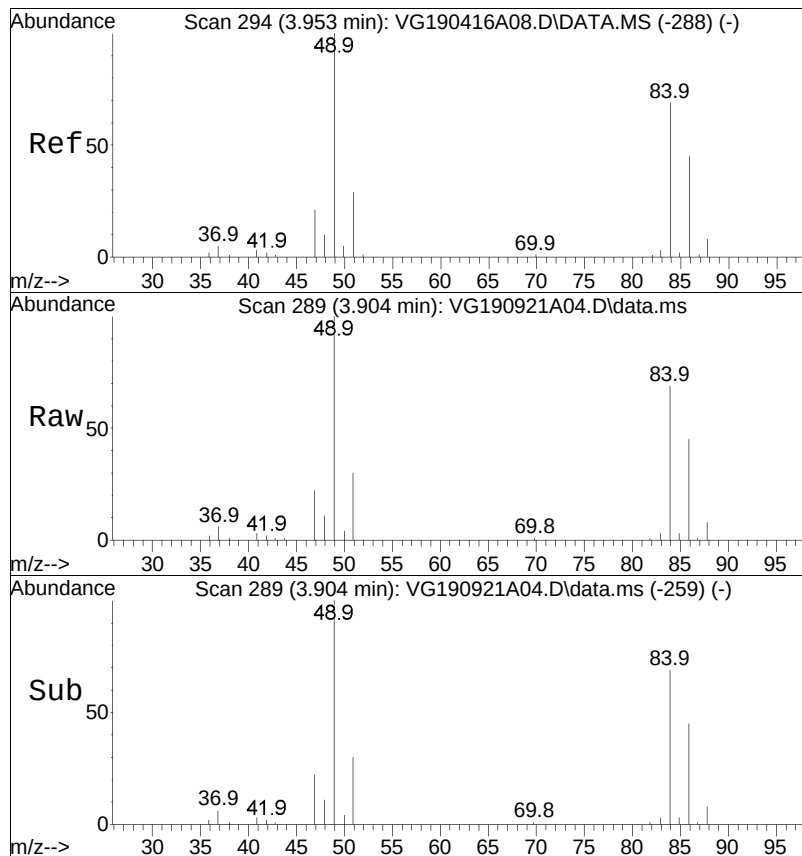




#11
 Carbon disulfide
 Concen: 8.88 ug/L
 RT: 3.347 min Scan# 232
 Delta R.T. -0.010 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

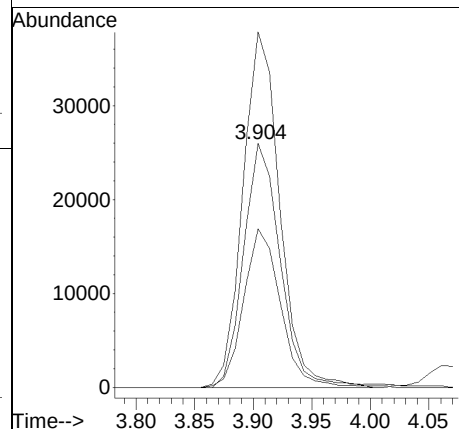
Tgt Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.6	13.6

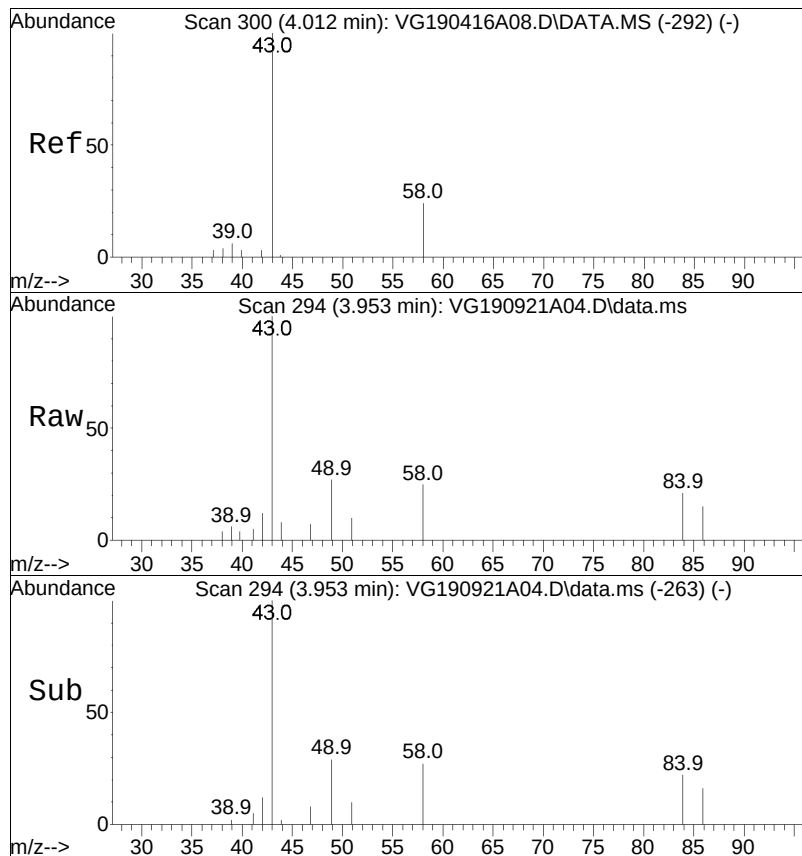




#15
Methylene chloride
Concen: 9.06 ug/L
RT: 3.904 min Scan# 289
Delta R.T. -0.010 min
Lab File: VG190921A04.D
Acq: 21 Sep 2019 9:24

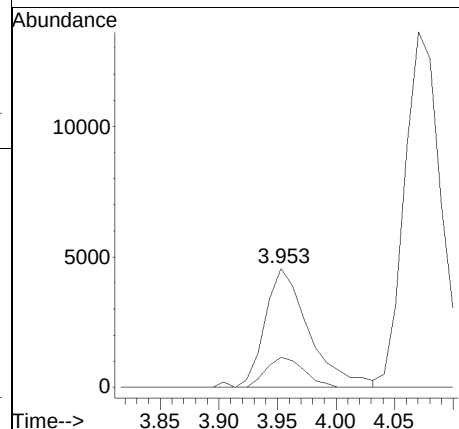
Tgt	Ion: 84	Resp:	56496
Ion	Ratio	Lower	Upper
84	100		
86	65.8	41.1	85.5
49	147.7	76.2	158.2

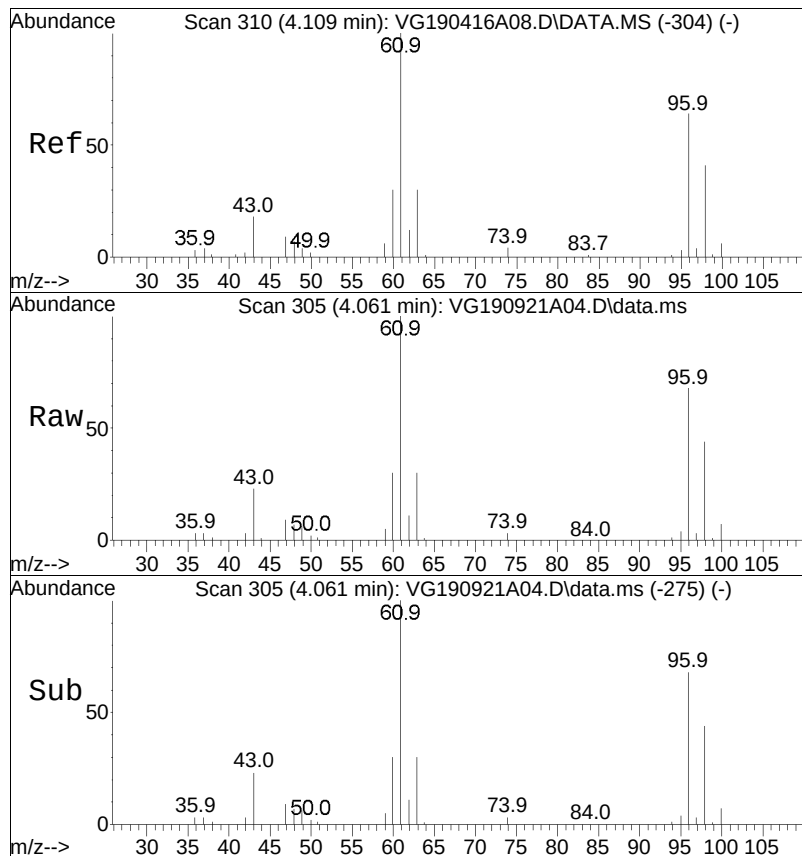




#17
 Acetone
 Concen: 9.67 ug/L
 RT: 3.953 min Scan# 294
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

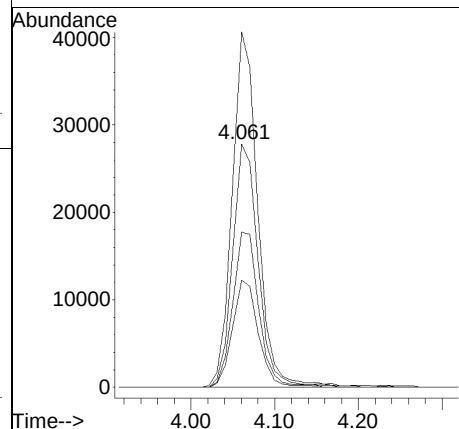
Tgt Ion:	43	58	Ratio	100	21.7	Resp:	12019	Lower	Upper
								22.2	33.4#

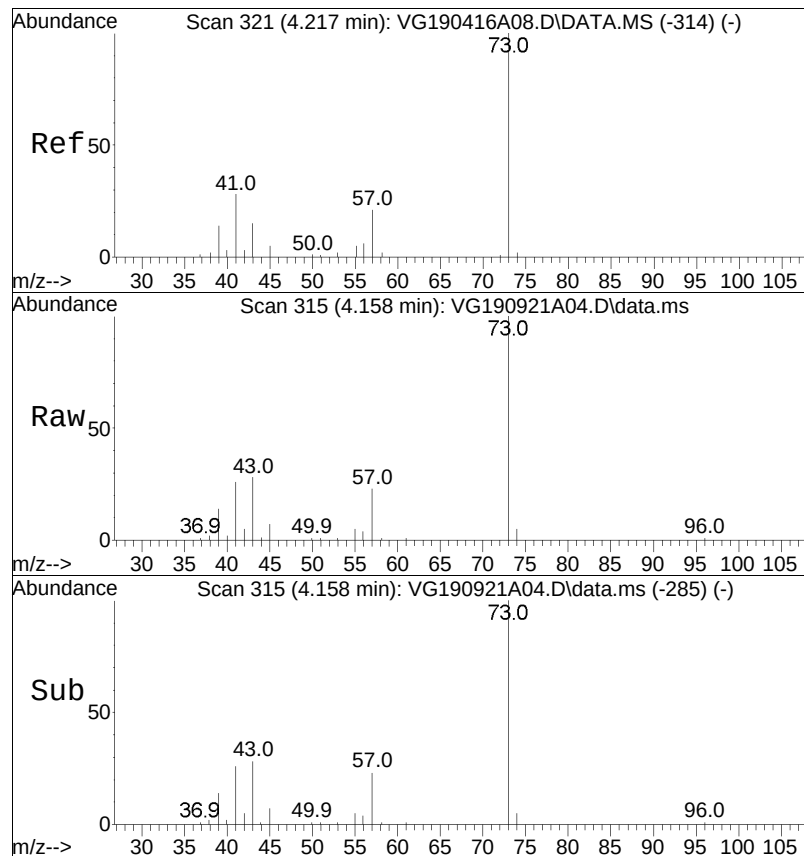




#18
 trans-1,2-Dichloroethene
 Concen: 9.27 ug/L
 RT: 4.061 min Scan# 305
 Delta R.T. -0.010 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

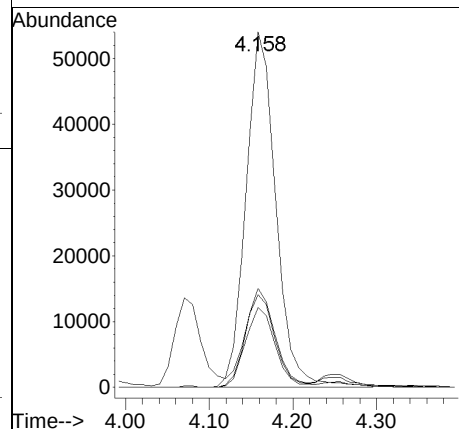
Tgt Ion:	96	Resp:	59567
Ion Ratio	Lower	Upper	
96	100		
61	145.0	85.7	178.1
98	65.1	40.2	83.4
63	44.8	28.0	58.2

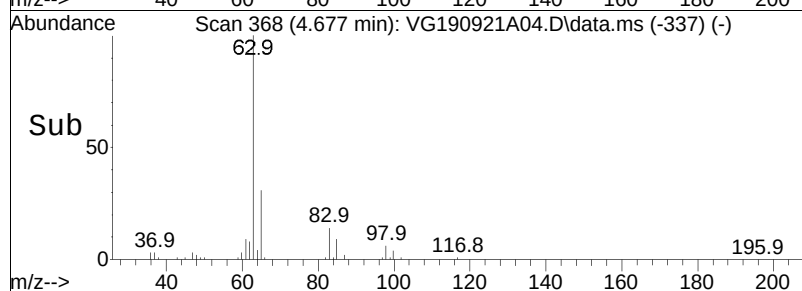
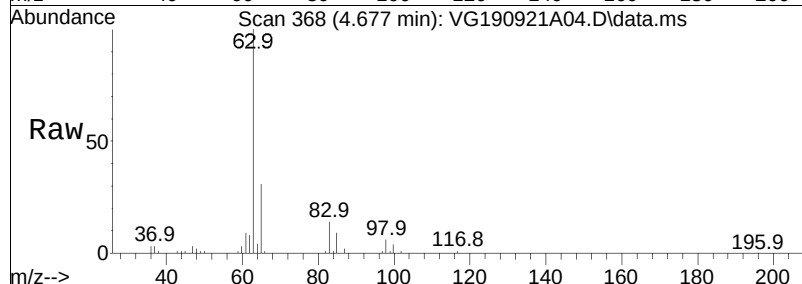
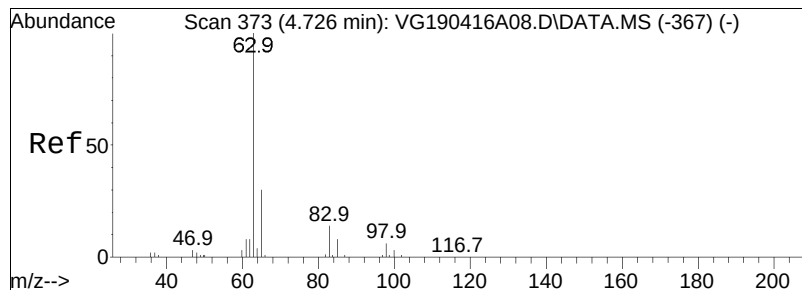




#20
Methyl tert-butyl ether
Concen: 9.93 ug/L
RT: 4.158 min Scan# 315
Delta R.T. -0.010 min
Lab File: VG190921A04.D
Acq: 21 Sep 2019 9:24

Tgt Ion:	73	Resp:	134988
Ion Ratio	Lower	Upper	
73	100		
57	22.5	12.5	26.1
43	27.8	13.0	27.0#
41	26.0	12.5	26.1





#23

1,1-Dichloroethane

Concen: 9.67 ug/L

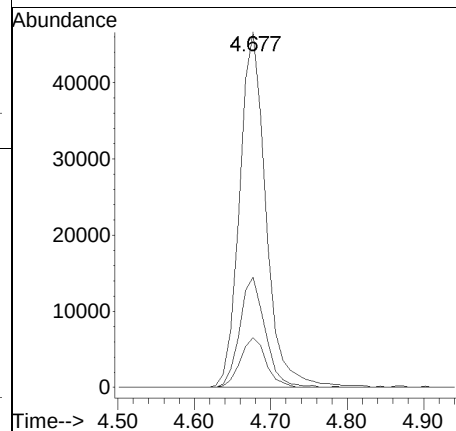
RT: 4.677 min Scan# 368

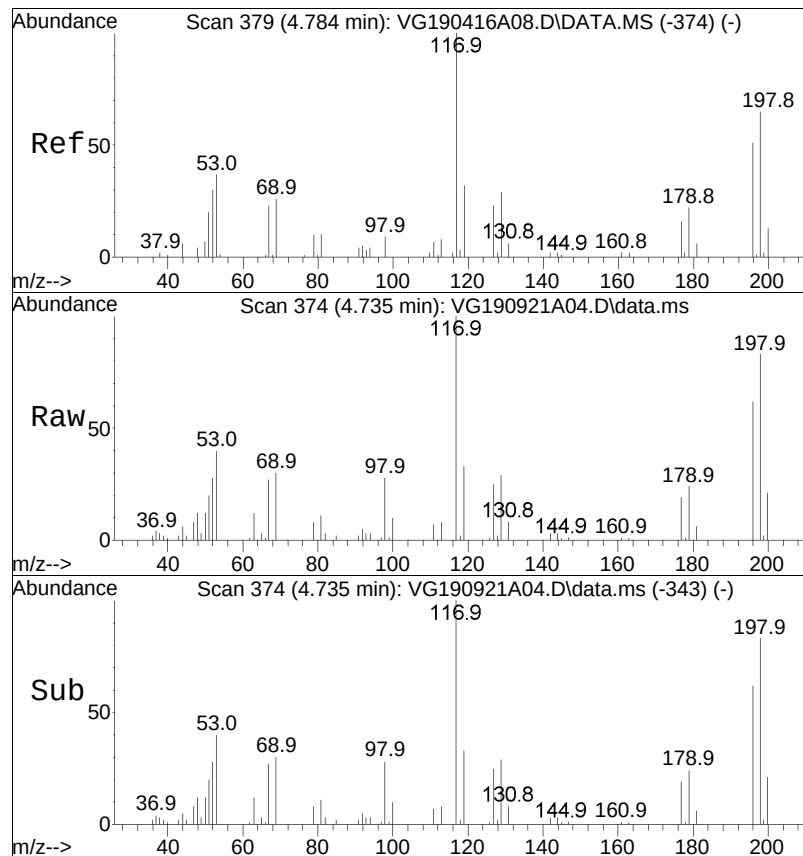
Delta R.T. -0.000 min

Lab File: VG190921A04.D

Acq: 21 Sep 2019 9:24

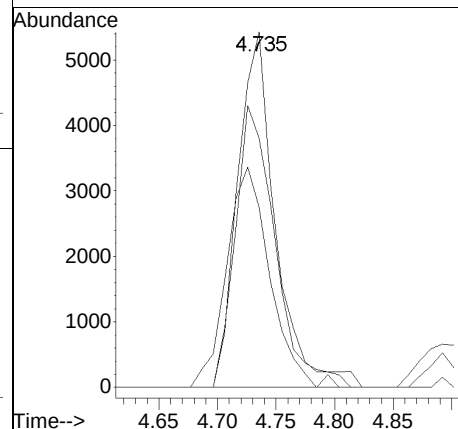
Tgt	Ion: 63	Resp:	112250
Ion	Ratio	Lower	Upper
63	100		
65	29.9	10.4	50.4
83	13.7	0.0	33.2

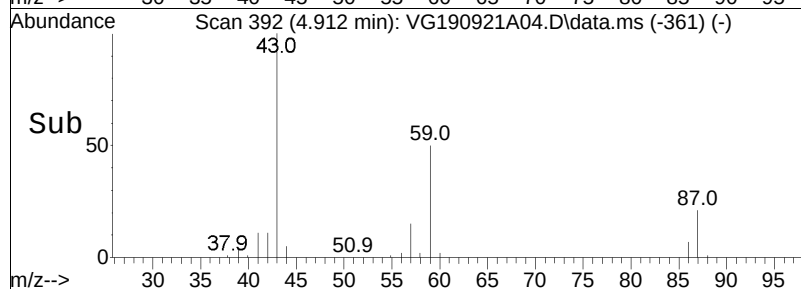
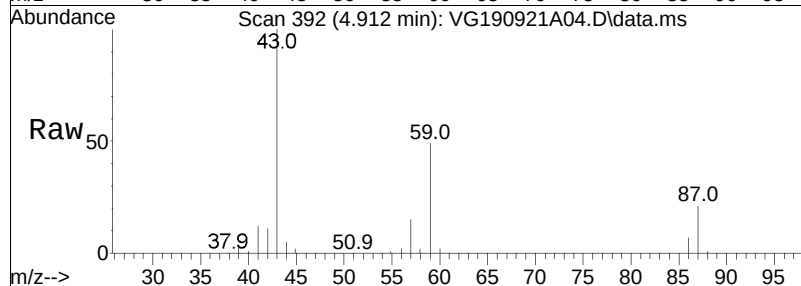
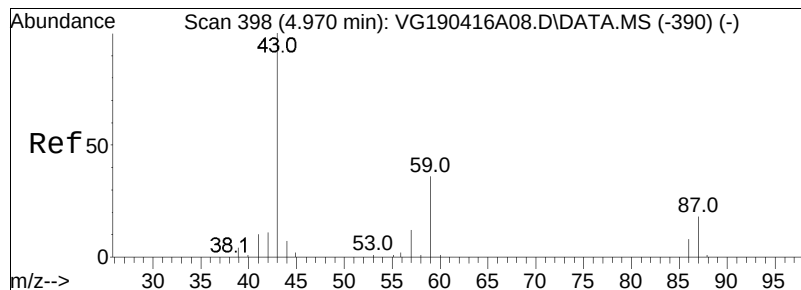




#25
 Acrylonitrile
 Concen: 10.09 ug/L
 RT: 4.735 min Scan# 374
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

Tgt Ion:	53	Resp:	12208
Ion Ratio	Lower	Upper	
53	100		
52	83.7	68.3	102.5
51	71.0	51.9	77.9





#27

Vinyl acetate

Concen: 10.76 ug/L

RT: 4.912 min Scan# 392

Delta R.T. -0.000 min

Lab File: VG190921A04.D

Acq: 21 Sep 2019 9:24

Tgt Ion: 43 Resp: 147155

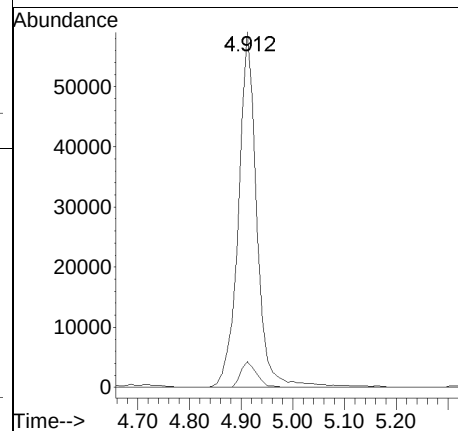
Ion Ratio Lower Upper

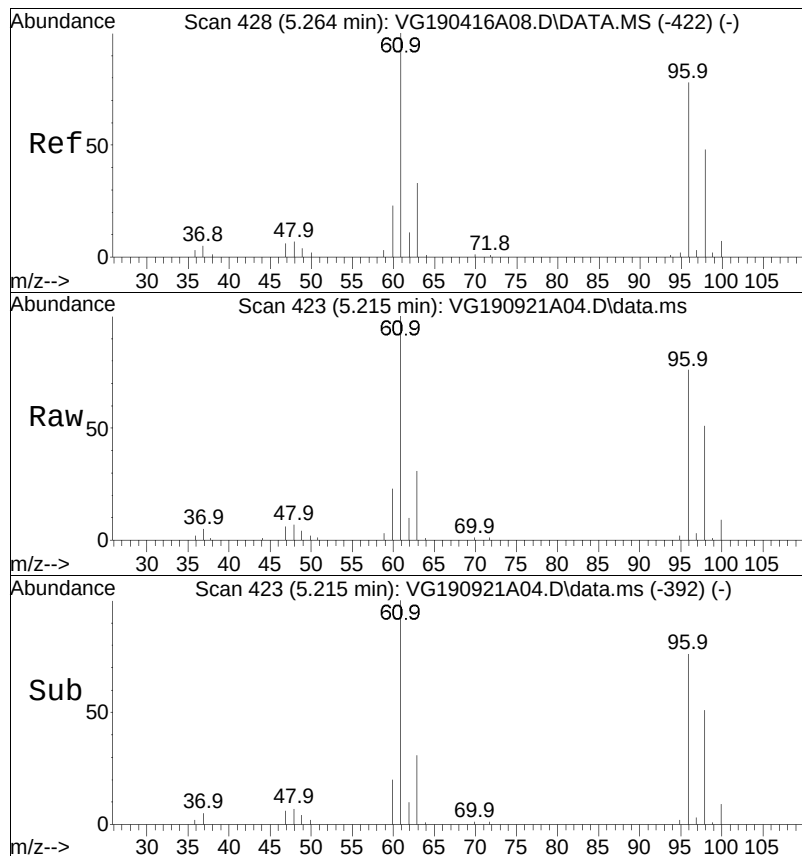
43 100

86 6.3

6.3

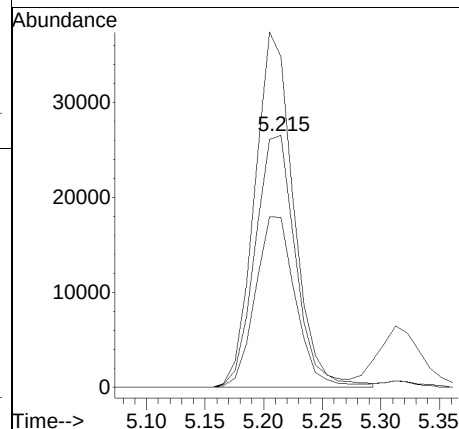
9.5#

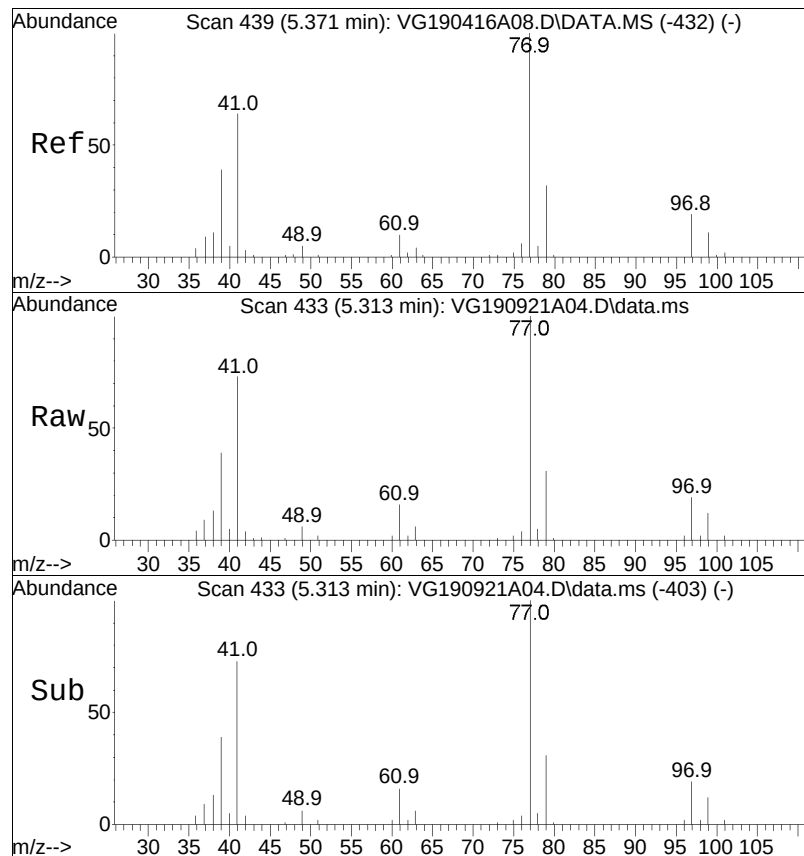




#28
 cis-1,2-Dichloroethene
 Concen: 9.08 ug/L
 RT: 5.215 min Scan# 423
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

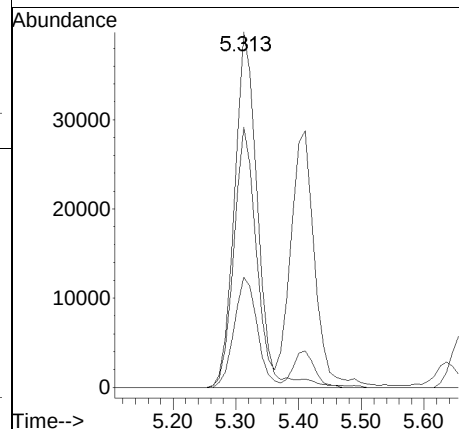
Tgt Ion:	96	Resp:	63975
Ion Ratio	Lower	Upper	
96	100		
61	134.6	96.6	144.8
98	67.1	51.3	76.9

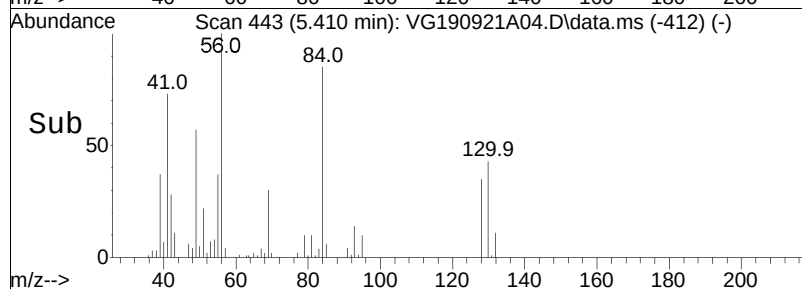
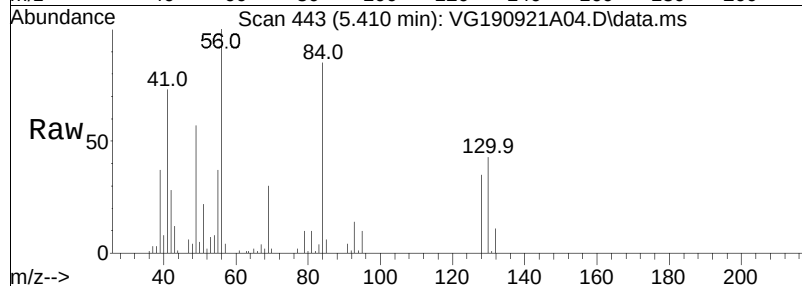
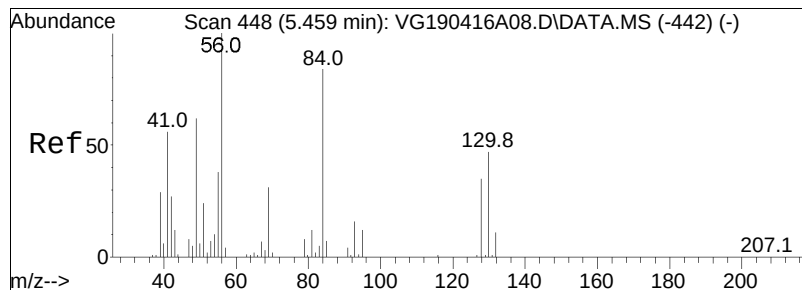




#29
 2,2-Dichloropropane
 Concen: 10.75 ug/L
 RT: 5.313 min Scan# 433
 Delta R.T. -0.010 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

Tgt Ion:	77	Resp:	102097
Ion Ratio	Lower	Upper	
77	100		
41	70.2	38.1	79.1
79	31.1	20.6	42.8





#30

Bromochloromethane

Concen: 9.71 ug/L

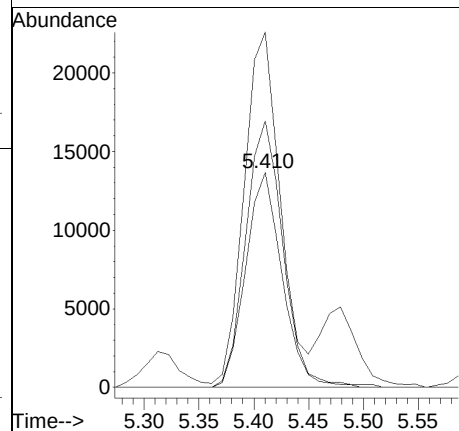
RT: 5.410 min Scan# 443

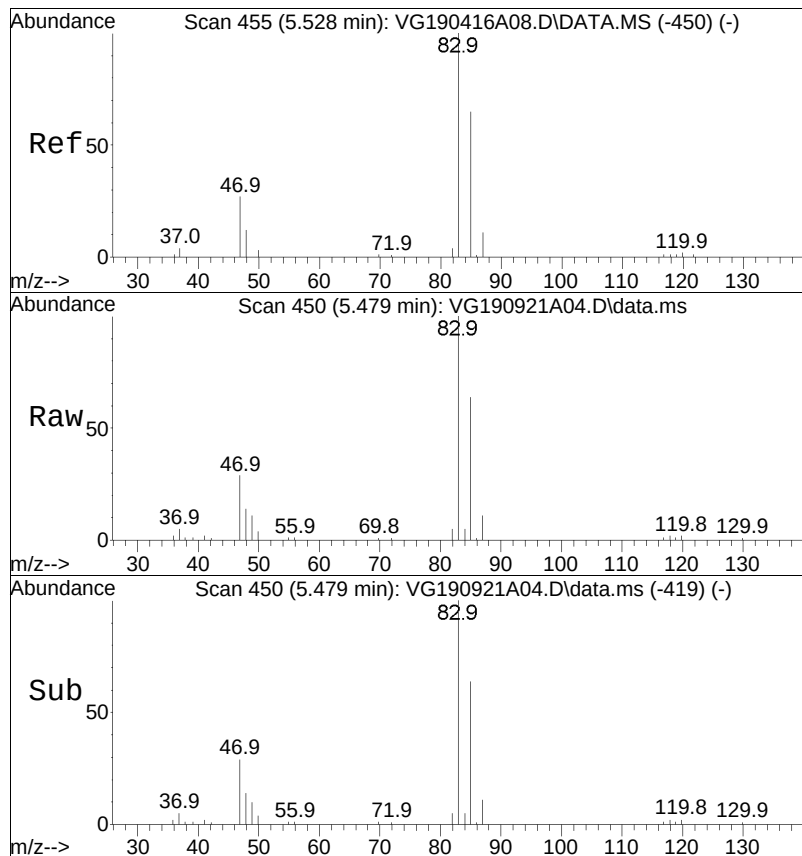
Delta R.T. -0.000 min

Lab File: VG190921A04.D

Acq: 21 Sep 2019 9:24

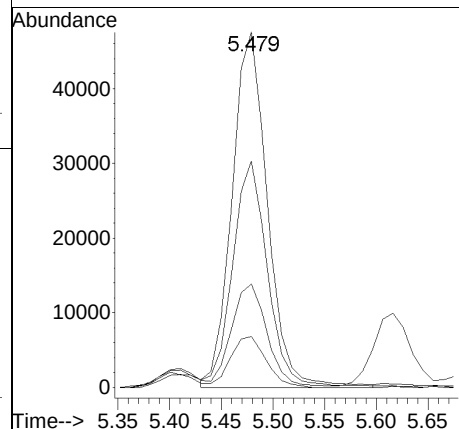
Tgt	Ion:128	Resp:	31716
Ion	Ratio	Lower	Upper
128	100		
49	161.0	112.7	169.1
130	126.7	103.3	154.9

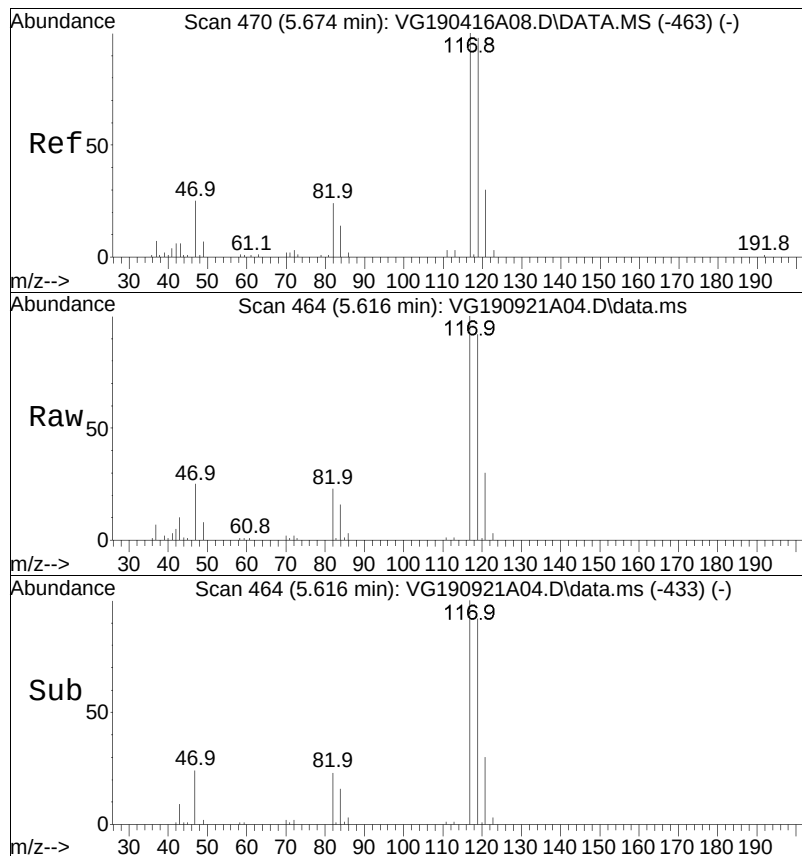




#32
 Chloroform
 Concen: 9.75 ug/L
 RT: 5.479 min Scan# 450
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

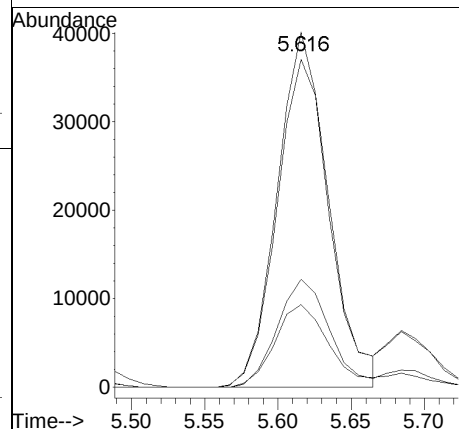
Tgt	Ion: 83	Resp:	113277
Ion	Ratio	Lower	Upper
83	100		
85	63.3	41.4	86.0
47	29.3	15.1	31.3
48	14.3	7.7	16.1

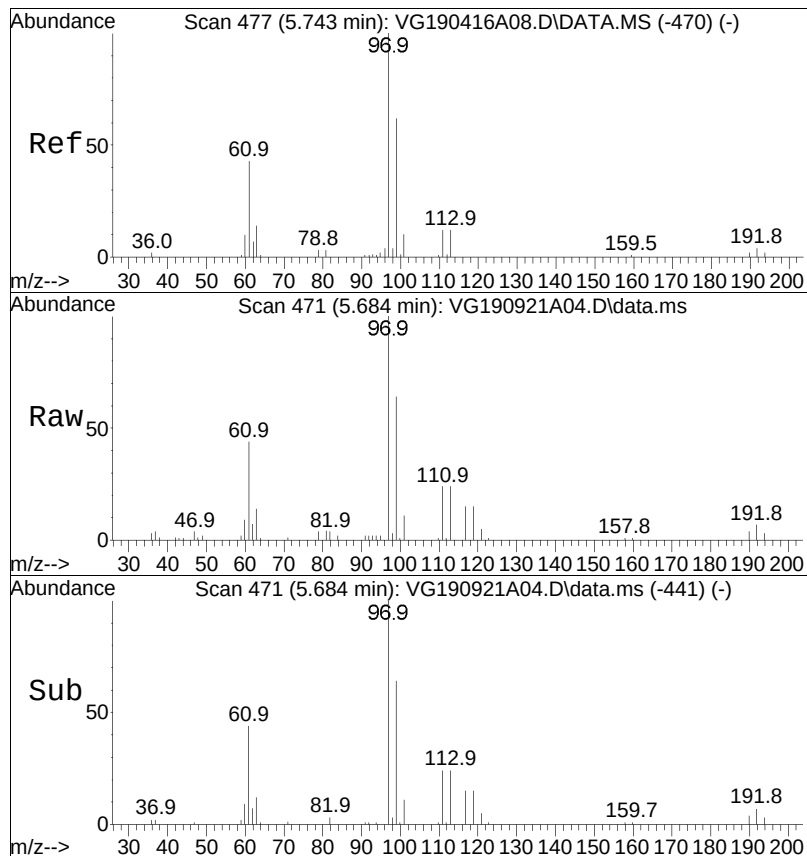




#34
 Carbon tetrachloride
 Concen: 10.21 ug/L
 RT: 5.616 min Scan# 464
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

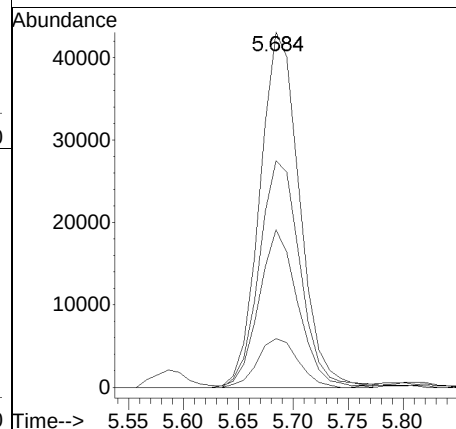
Tgt Ion:	117	Resp:	98244
Ion Ratio	Lower	Upper	
117	100		
119	94.6	63.2	131.2
121	30.9	20.4	42.4
82	24.7	15.4	32.0

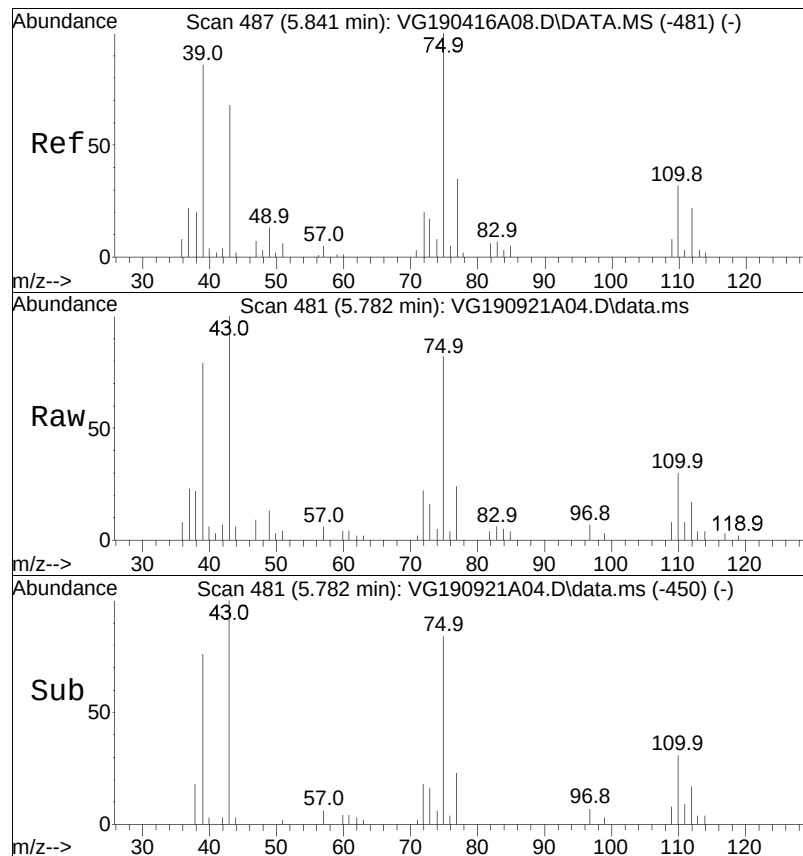




#37
 1,1,1-Trichloroethane
 Concen: 9.96 ug/L
 RT: 5.684 min Scan# 471
 Delta R.T. -0.010 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

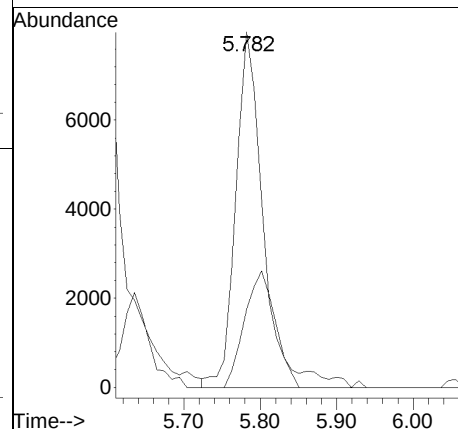
Tgt Ion: 97	Resp: 108563
Ion Ratio	Lower Upper
97 100	
99 66.1	41.3 85.7
61 44.0	26.0 54.0
63 14.1	8.6 18.0

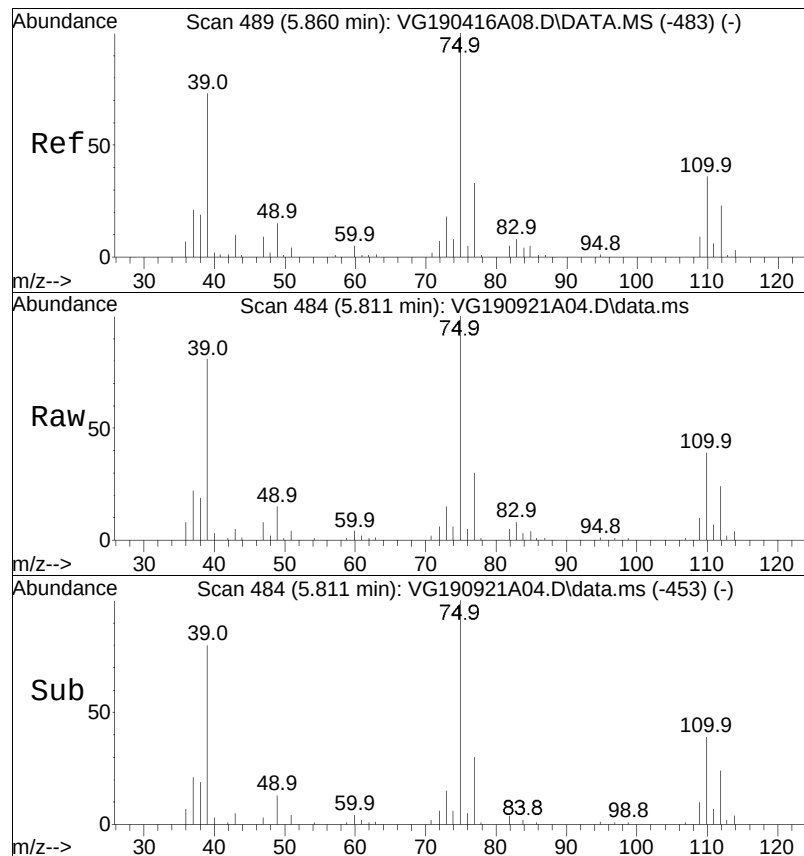




#39
 2-Butanone
 Concen: 11.40 ug/L
 RT: 5.782 min Scan# 481
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

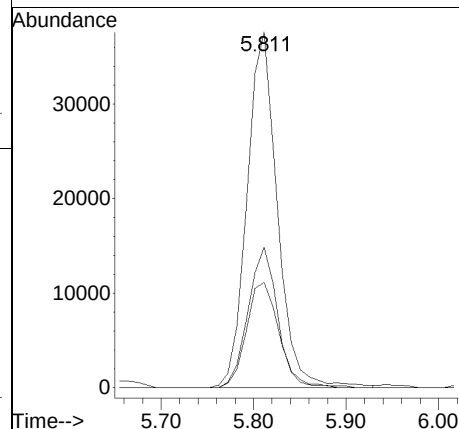
Tgt Ion: 43 Resp: 20240
 Ion Ratio Lower Upper
 43 100
 72 36.1 42.6 63.8#

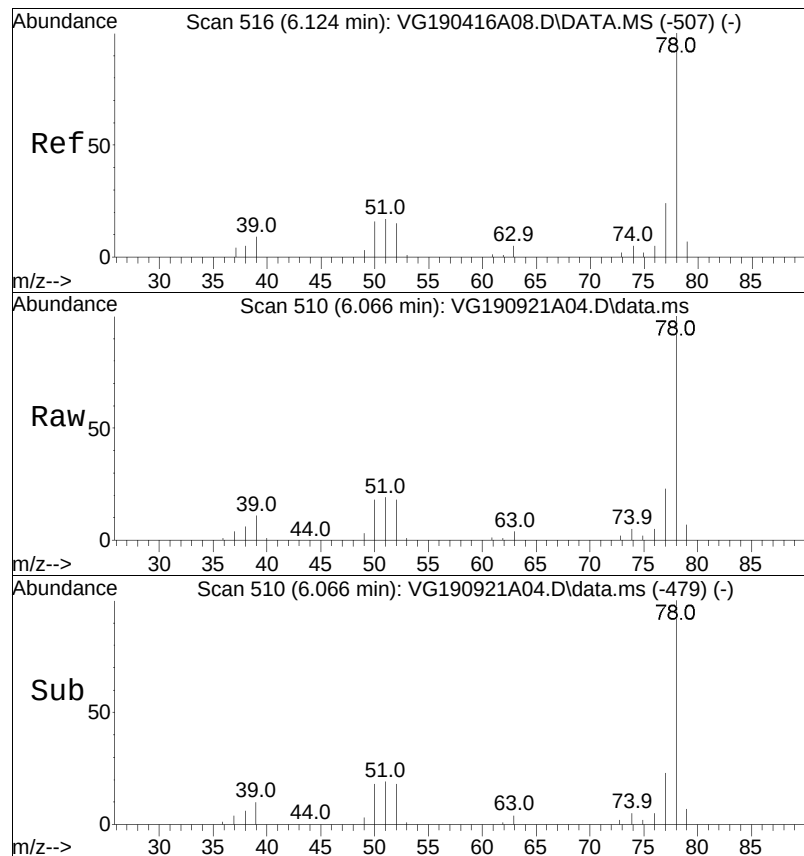




#40
 1,1-Dichloropropene
 Concen: 9.72 ug/L
 RT: 5.811 min Scan# 484
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

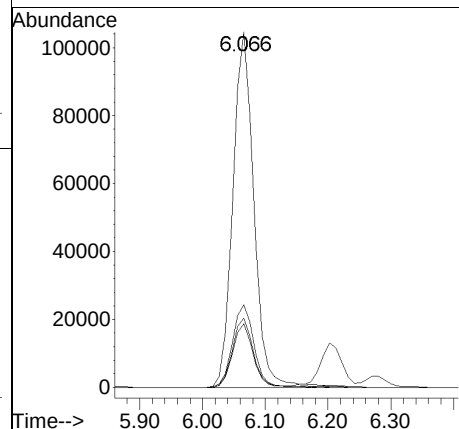
Tgt Ion:	75	Resp:	85738
Ion Ratio	Lower	Upper	
75	100		
110	38.5	24.1	50.1
77	31.2	19.8	41.0

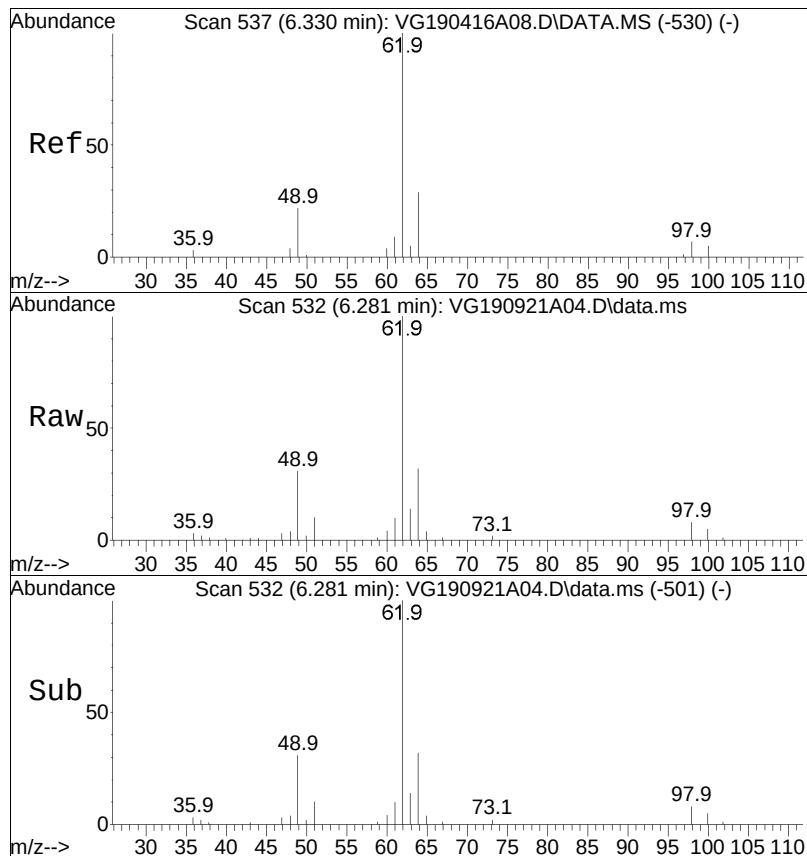




#41
Benzene
Concen: 9.17 ug/L
RT: 6.066 min Scan# 510
Delta R.T. -0.000 min
Lab File: VG190921A04.D
Acq: 21 Sep 2019 9:24

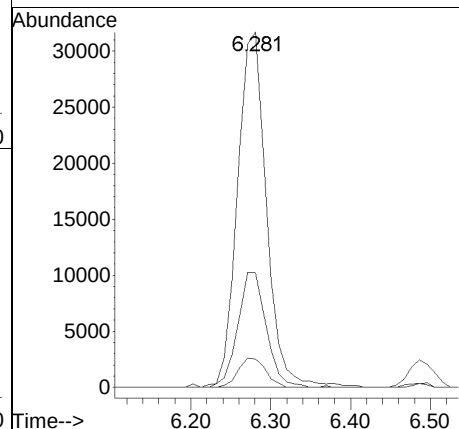
Tgt	Ion: 78	Resp:	244686
Ion	Ratio	Lower	Upper
78	100		
77	23.7	15.5	32.1
51	19.2	9.9	20.7
52	17.4	9.2	19.2

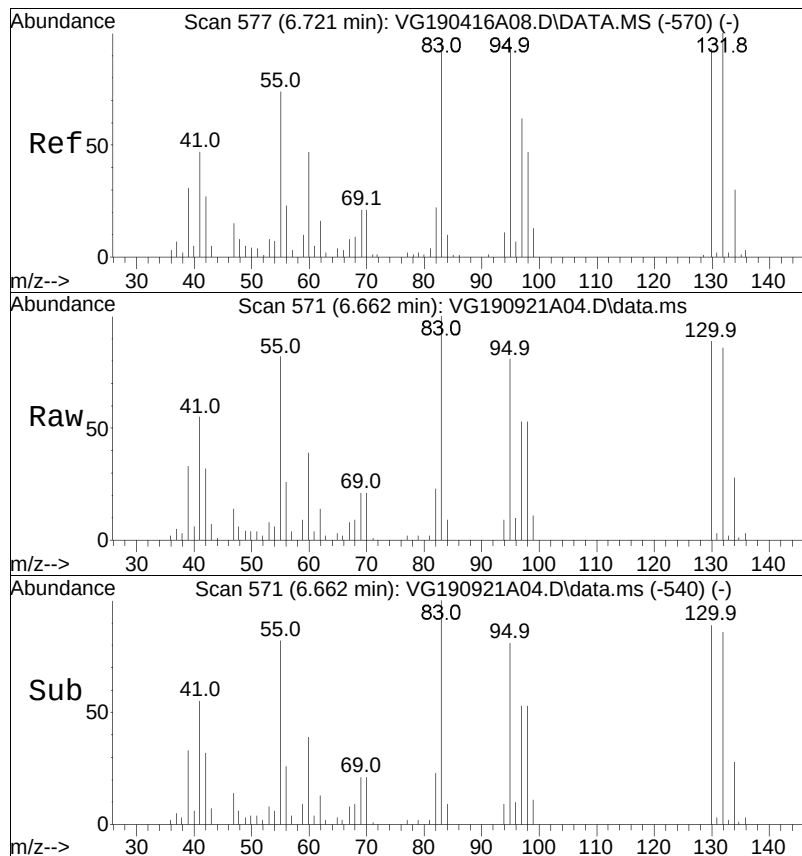




#44
 1,2-Dichloroethane
 Concen: 10.88 ug/L
 RT: 6.281 min Scan# 532
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

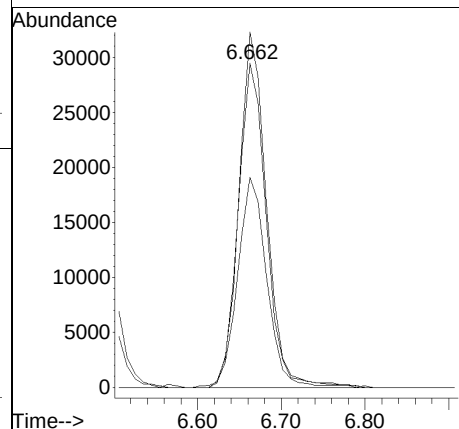
Tgt	Ion	Ratio	Resp	Lower	Upper
62	100		79908		
64	32.0	11.9		51.9	
98	7.9	0.0		29.3	

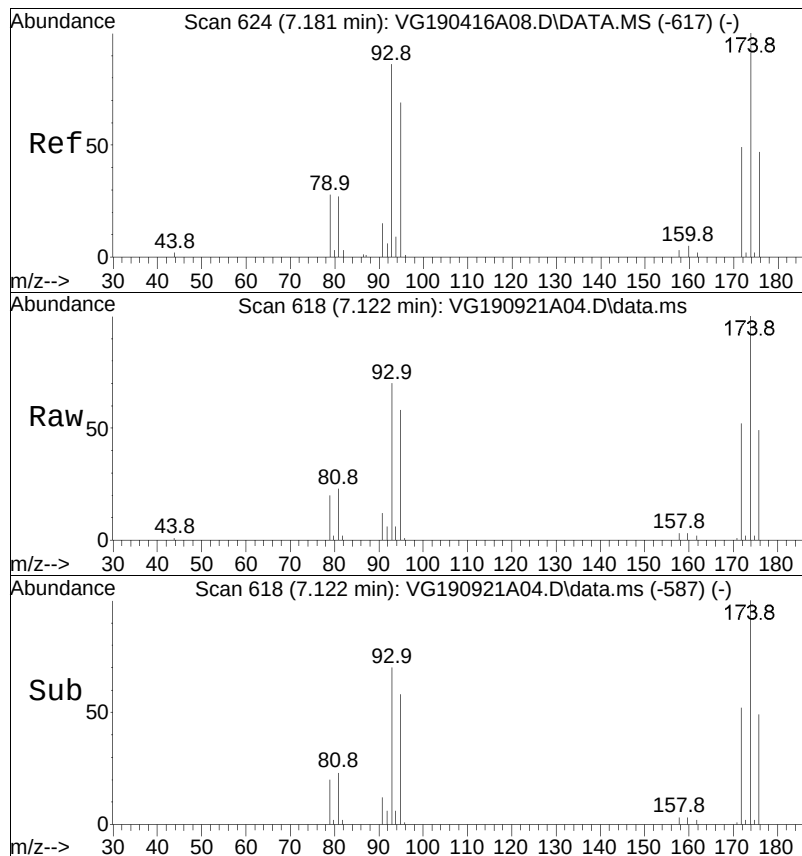




#48
 Trichloroethene
 Concen: 9.66 ug/L
 RT: 6.662 min Scan# 571
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

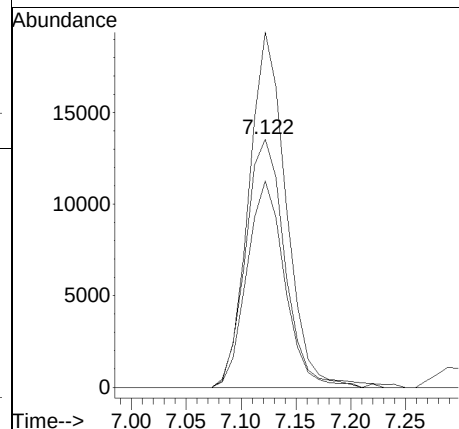
Tgt Ion	Ratio	Lower	Upper
95	100		
97	66.7	54.0	81.0
130	107.2	85.0	127.4

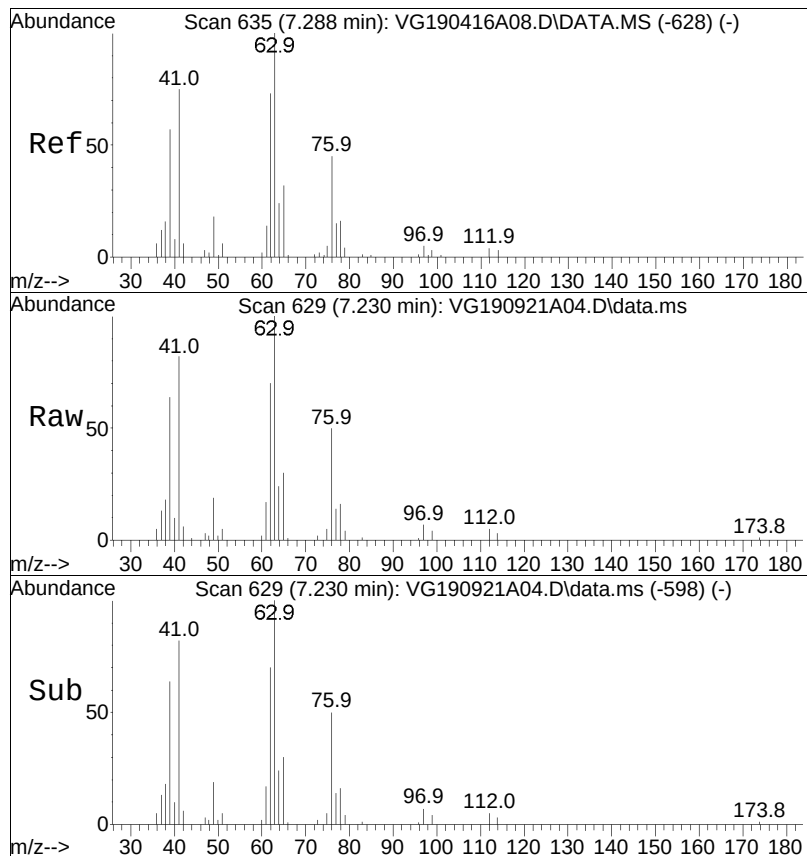




#50
 Dibromomethane
 Concen: 9.66 ug/L
 RT: 7.122 min Scan# 618
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

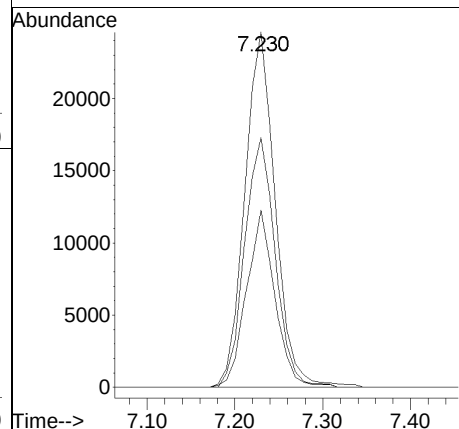
Tgt Ion:	93	Resp:	33604
Ion Ratio	Lower	Upper	
93	100		
95	81.0	66.6	100.0
174	137.6	90.5	135.7#

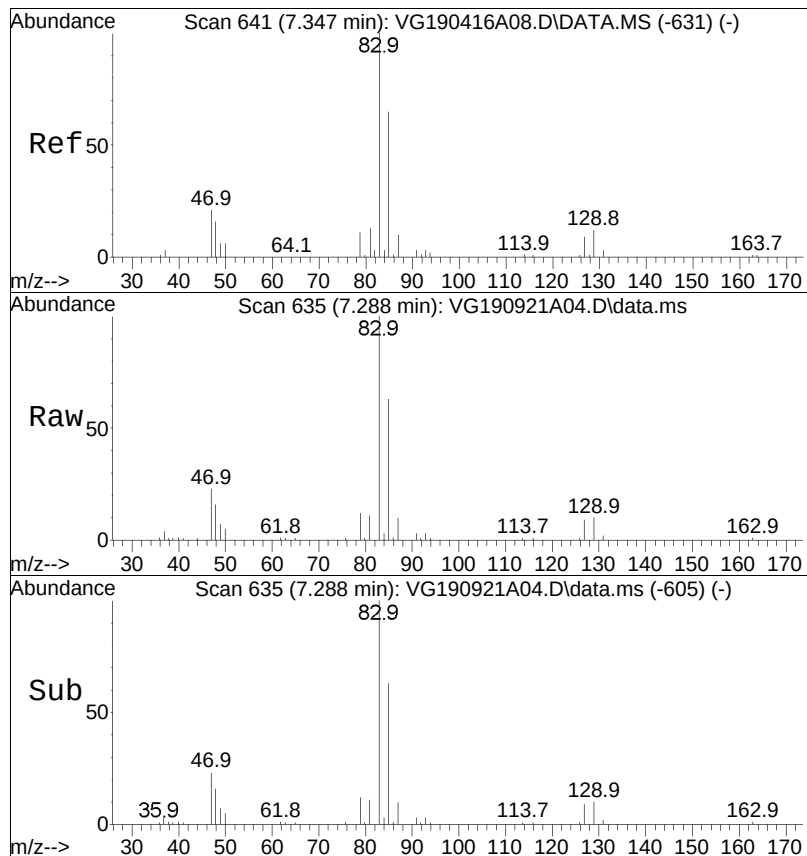




#51
 1,2-Dichloropropane
 Concen: 9.30 ug/L
 RT: 7.230 min Scan# 629
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

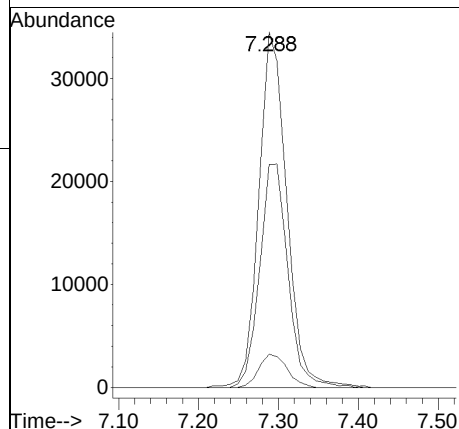
Tgt Ion:	63	Resp:	59403
Ion Ratio	Lower	Upper	
63	100		
62	70.5	56.5	84.7
76	46.5	34.6	52.0

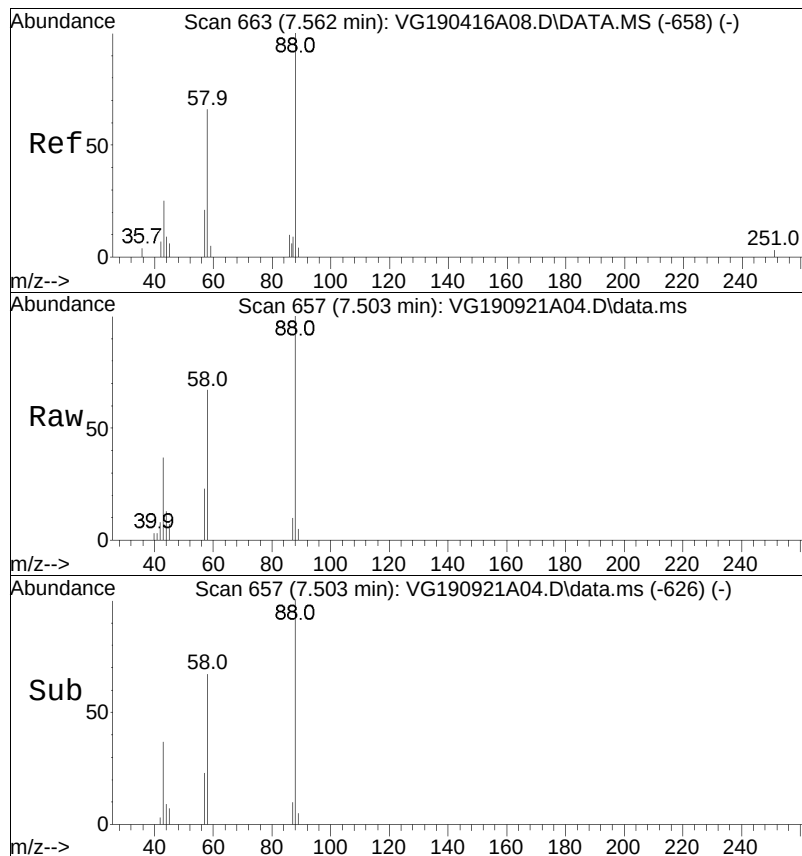




#54
 Bromodichloromethane
 Concen: 9.53 ug/L
 RT: 7.288 min Scan# 635
 Delta R.T. -0.010 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

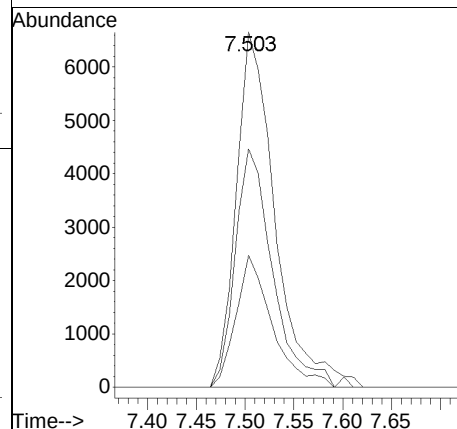
Tgt	Ion: 83	Resp:	83660
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.8	76.2
127	9.5	7.4	11.2

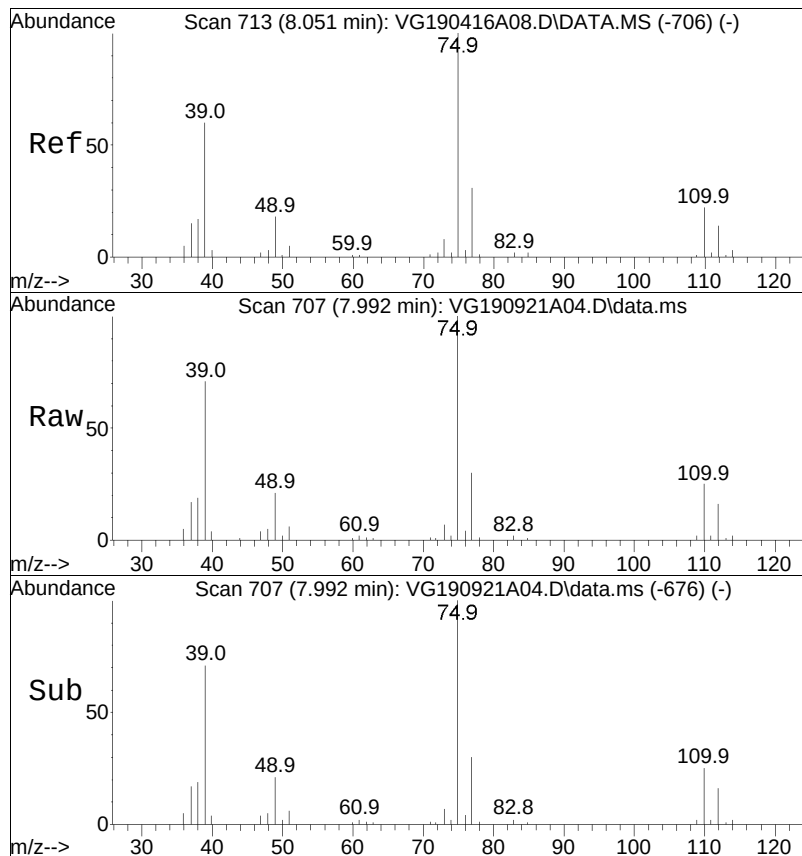




#57
 1,4-Dioxane
 Concen: 490.05 ug/L
 RT: 7.503 min Scan# 657
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

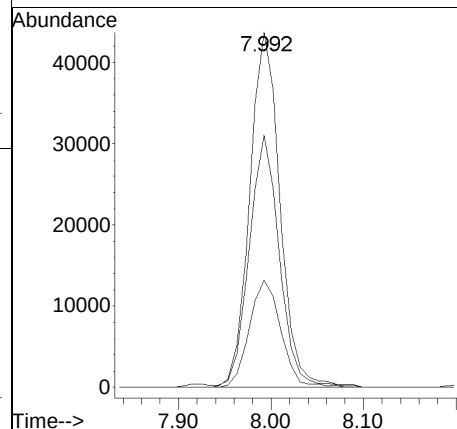
Tgt Ion:	88	Resp:	18452
Ion Ratio	Lower	Upper	
88	100		
58	65.3	48.7	73.1
43	34.9	22.4	33.6#

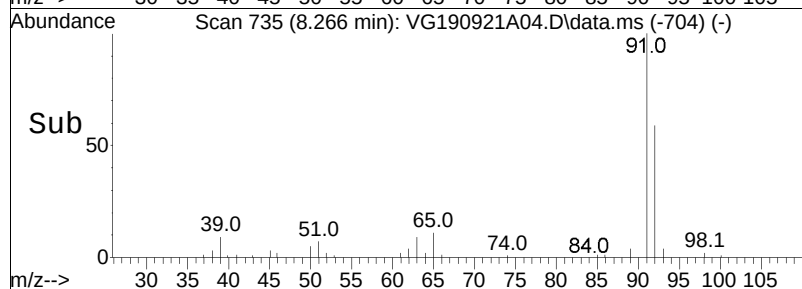
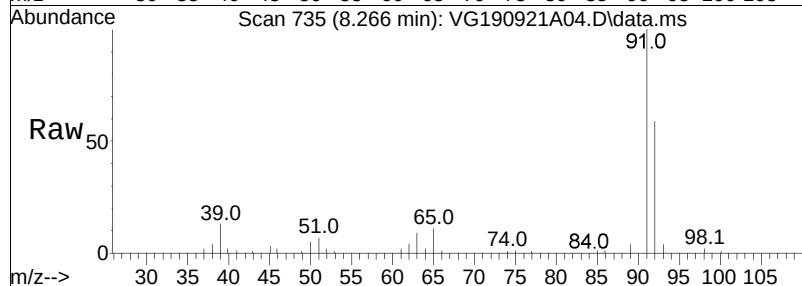
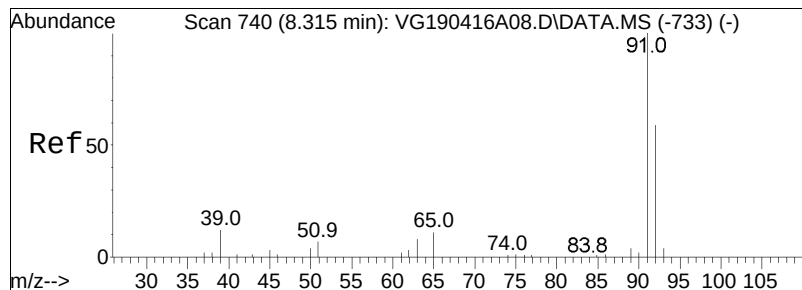




#58
 cis-1,3-Dichloropropene
 Concen: 9.65 ug/L
 RT: 7.992 min Scan# 707
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

Tgt Ion:	75	Resp:	99516
Ion Ratio	Lower	Upper	
75	100		
77	31.5	24.6	36.8
39	70.9	40.8	61.2#





#61

Toluene

Concen: 9.14 ug/L

RT: 8.266 min Scan# 735

Delta R.T. -0.000 min

Lab File: VG190921A04.D

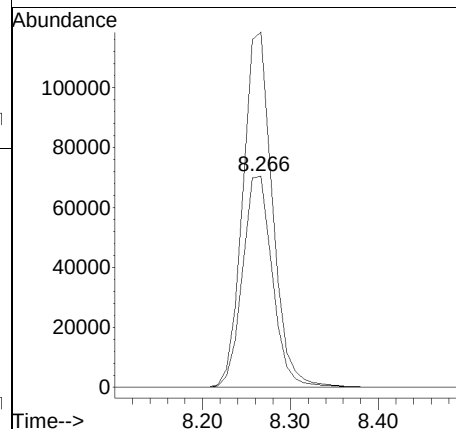
Acq: 21 Sep 2019 9:24

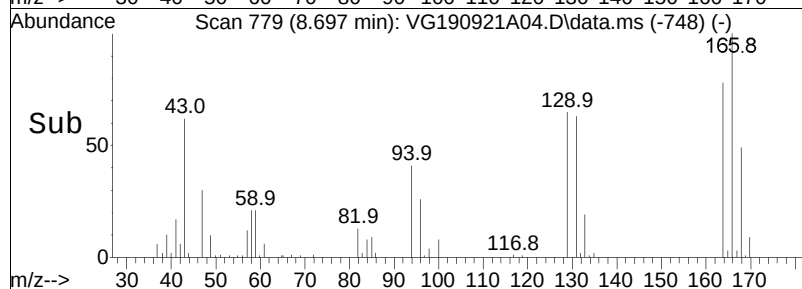
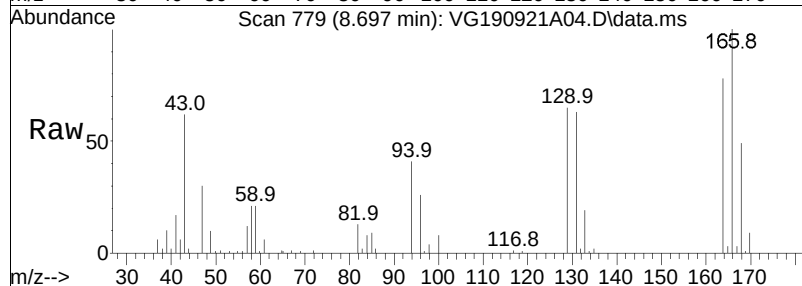
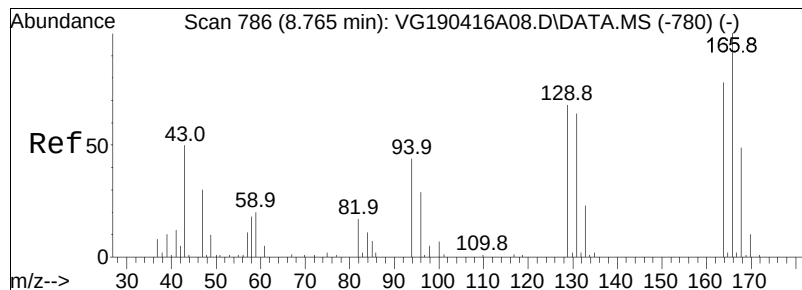
Tgt Ion: 92 Resp: 167106

Ion Ratio Lower Upper

92 100

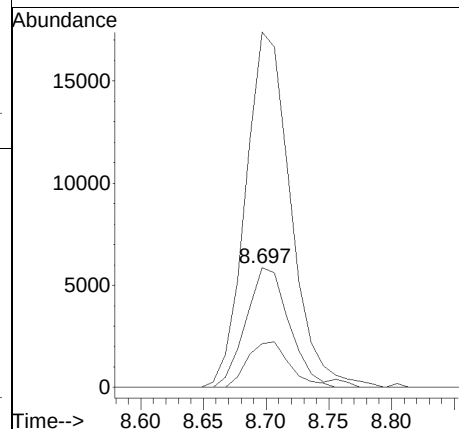
91 166.5 134.8 202.2

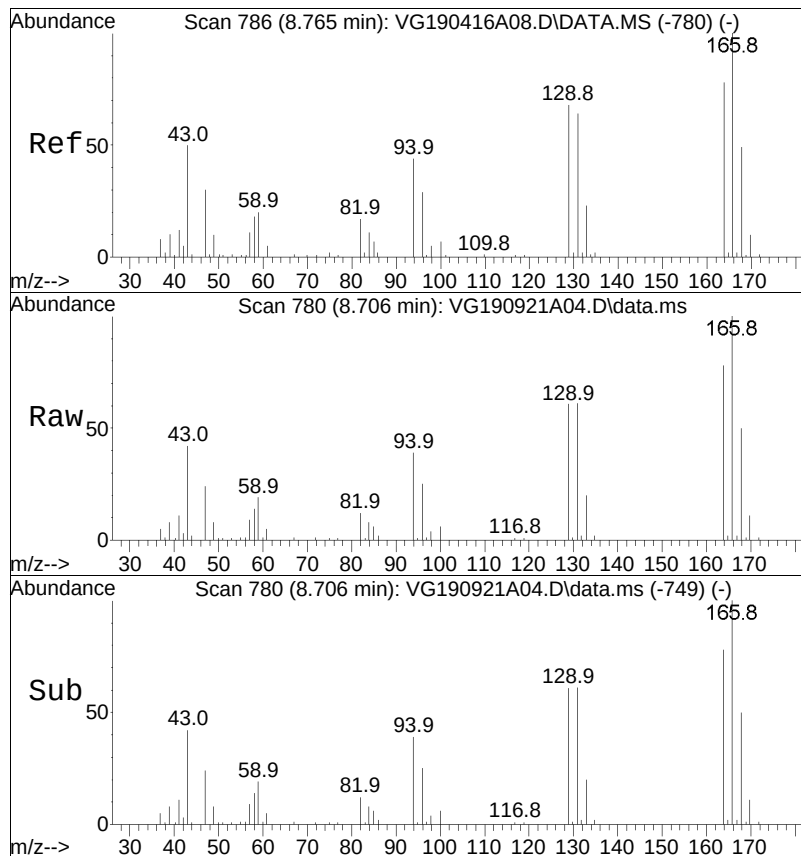




#62
 4-Methyl-2-pentanone
 Concen: 9.56 ug/L
 RT: 8.697 min Scan# 779
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

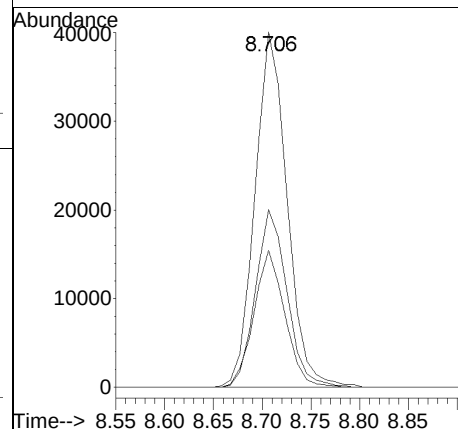
Tgt	Ion	Resp	Lower	Upper
58	100			
100	36.2	33.6	50.4	
43	302.1	204.3	306.5	

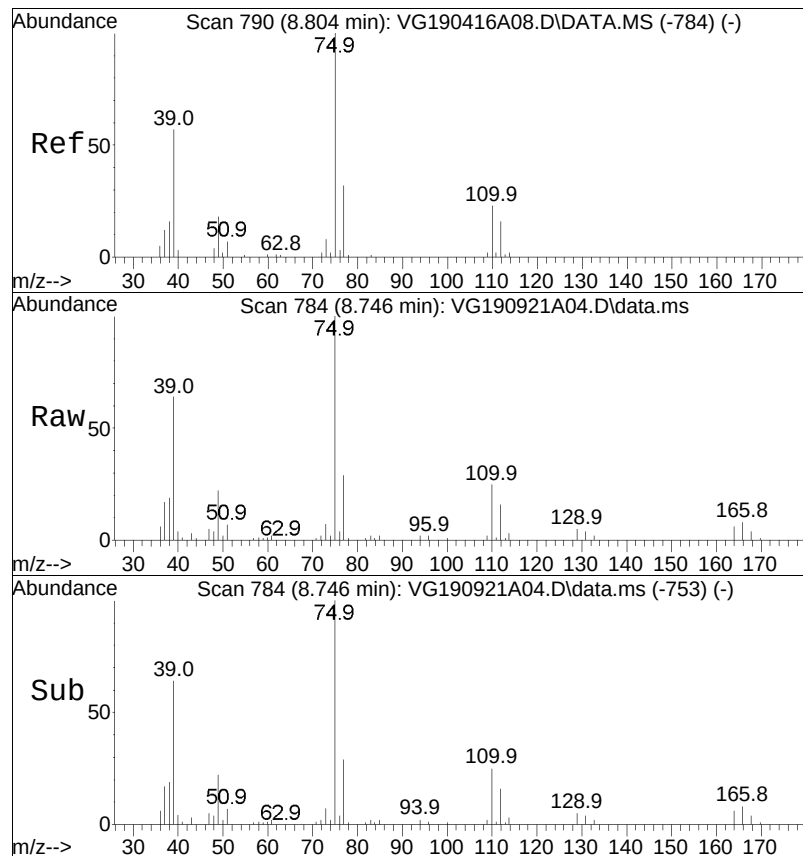




#63
 Tetrachloroethene
 Concen: 8.95 ug/L
 RT: 8.706 min Scan# 780
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

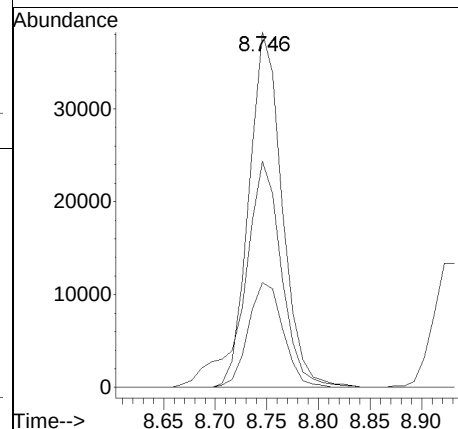
Tgt Ion	Ratio	Lower	Upper
166	100		
168	49.3	27.3	67.3
94	37.3	20.5	60.5

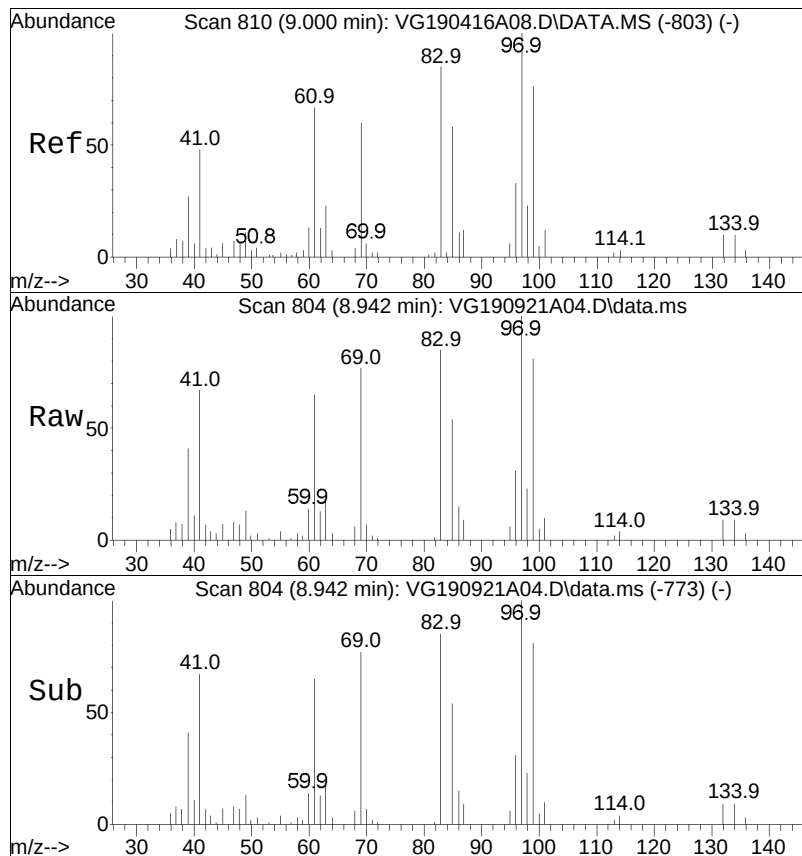




#65
trans-1,3-Dichloropropene
Concen: 9.43 ug/L
RT: 8.746 min Scan# 784
Delta R.T. -0.000 min
Lab File: VG190921A04.D
Acq: 21 Sep 2019 9:24

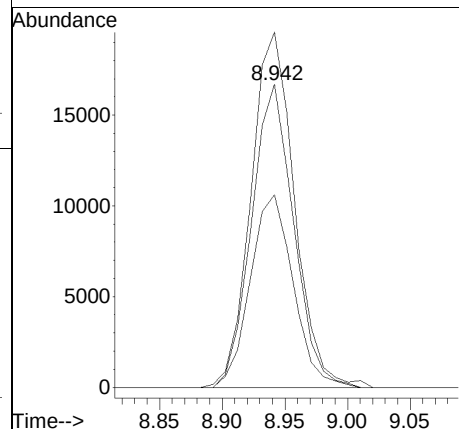
Tgt Ion:	75	Resp:	85463
Ion Ratio	Lower	Upper	
75	100		
77	31.1	11.3	51.3
39	72.0	36.0	76.0

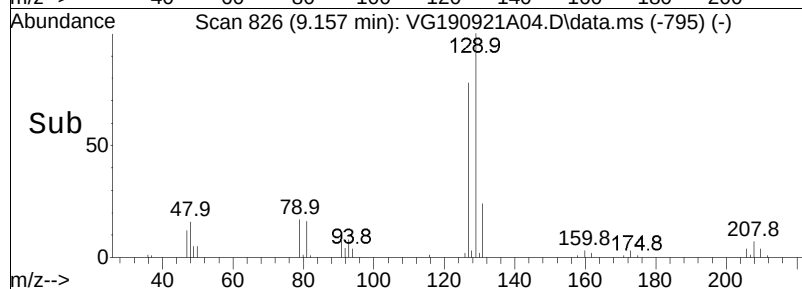
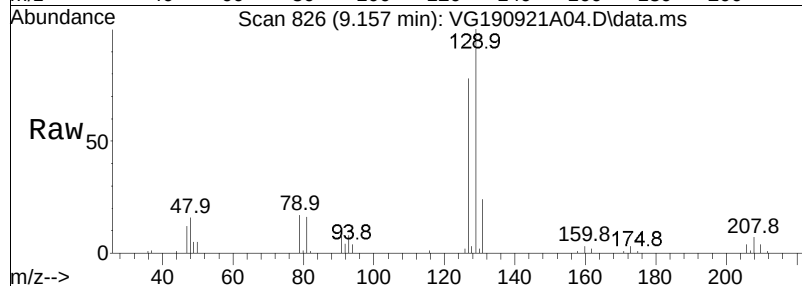
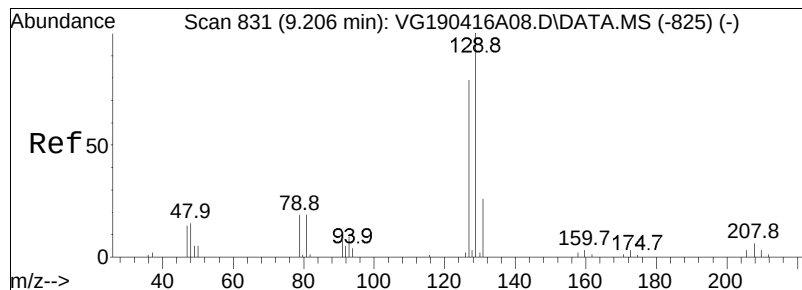




#68
 1,1,2-Trichloroethane
 Concen: 9.10 ug/L
 RT: 8.942 min Scan# 804
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

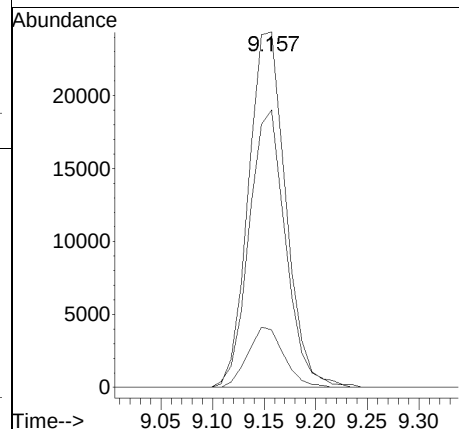
Tgt Ion:	83	Resp:	38961
Ion Ratio	Lower	Upper	
83	100		
97	121.2	101.0	141.0
85	64.9	47.9	87.9

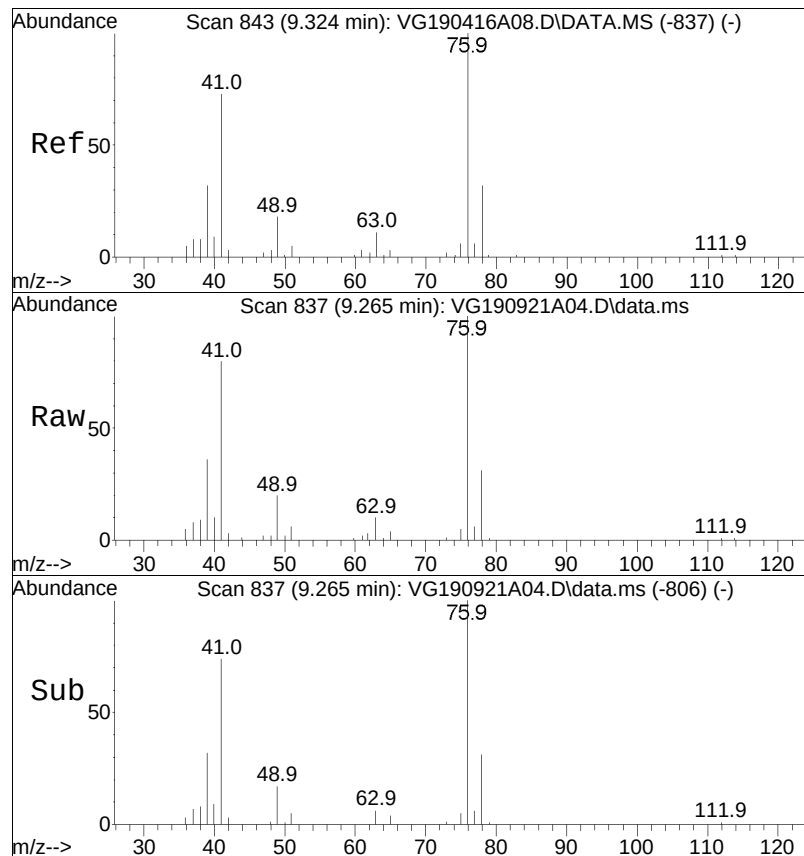




#69
 Chlorodibromomethane
 Concen: 9.23 ug/L
 RT: 9.157 min Scan# 826
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

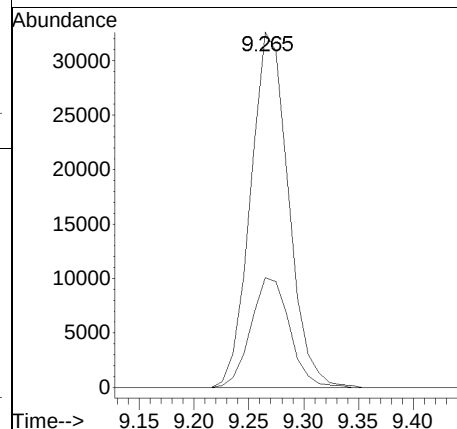
Tgt Ion	Ratio	Lower	Upper
129	100		
81	16.4	0.0	35.0
127	76.4	57.1	97.1

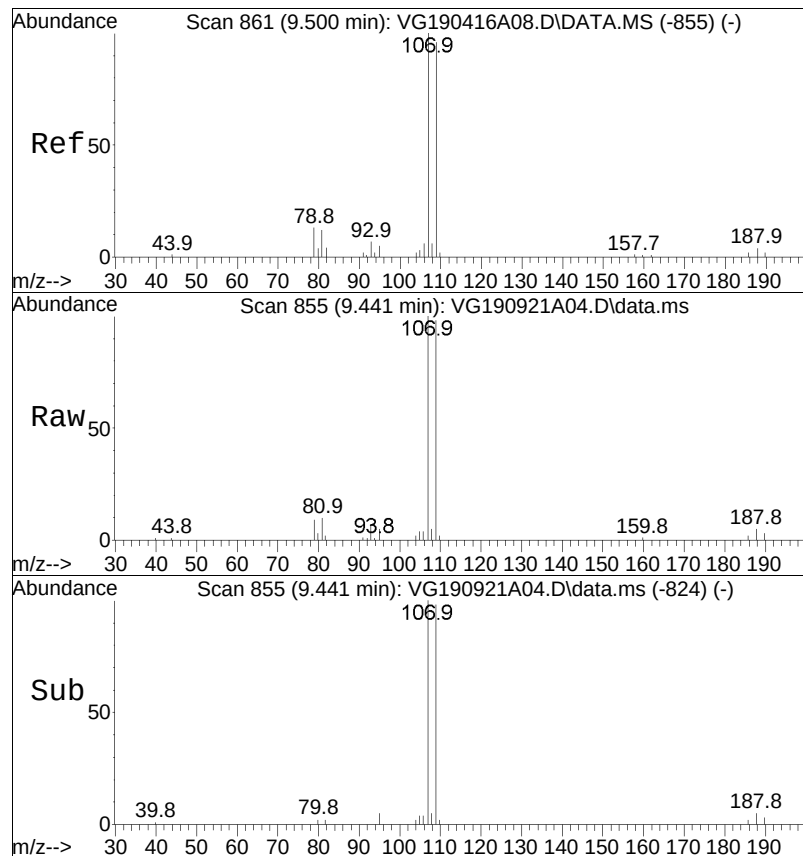




#70
 1,3-Dichloropropane
 Concen: 9.07 ug/L
 RT: 9.265 min Scan# 837
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

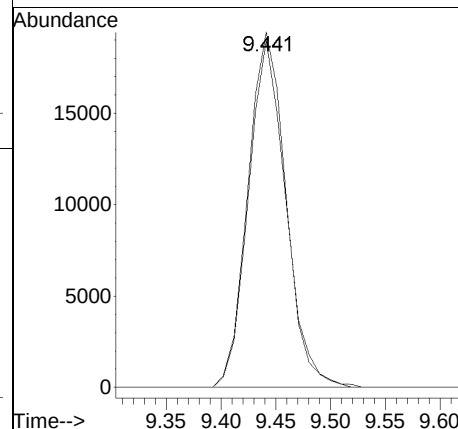
Tgt	Ion	Resp	Lower	Upper
76	100	78206		
78	31.6	25.4	38.2	

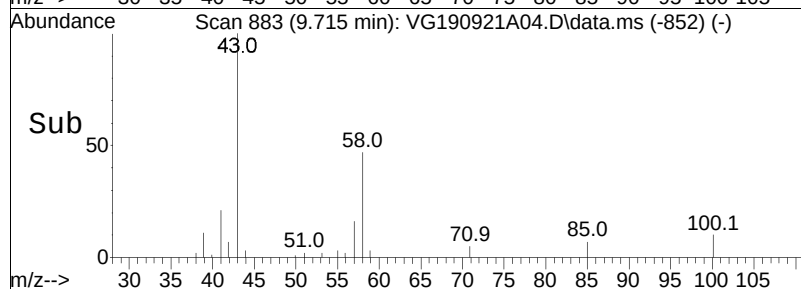
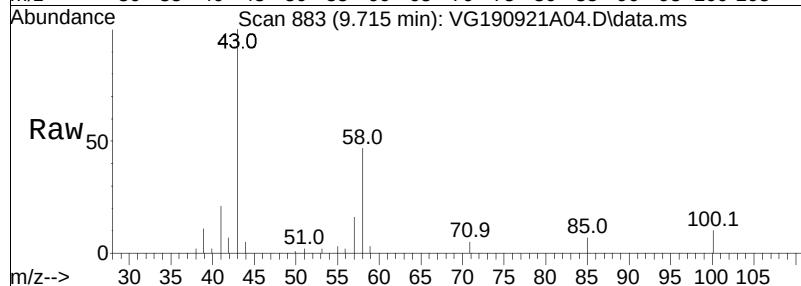
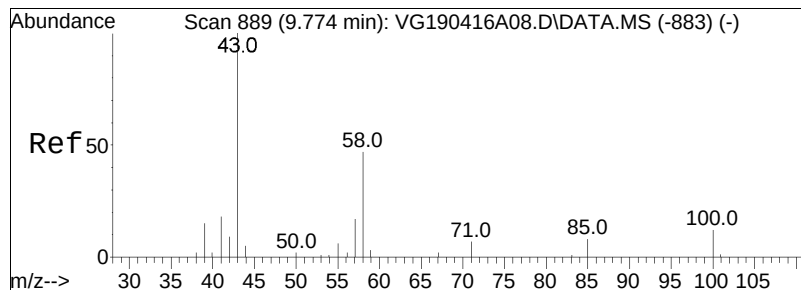




#71
 1,2-Dibromoethane
 Concen: 9.07 ug/L
 RT: 9.441 min Scan# 855
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.9	76.0	114.0





#72

2-Hexanone

Concen: 10.14 ug/L

RT: 9.715 min Scan# 883

Delta R.T. -0.001 min

Lab File: VG190921A04.D

Acq: 21 Sep 2019 9:24

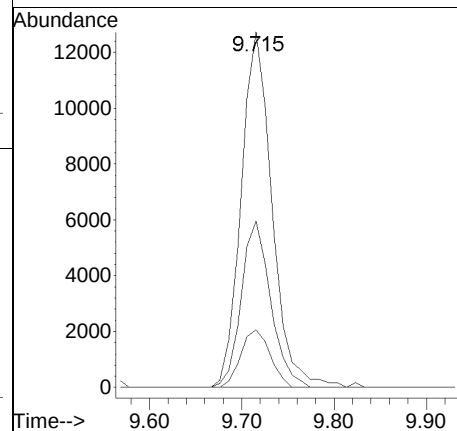
Tgt Ion: 43 Resp: 29635

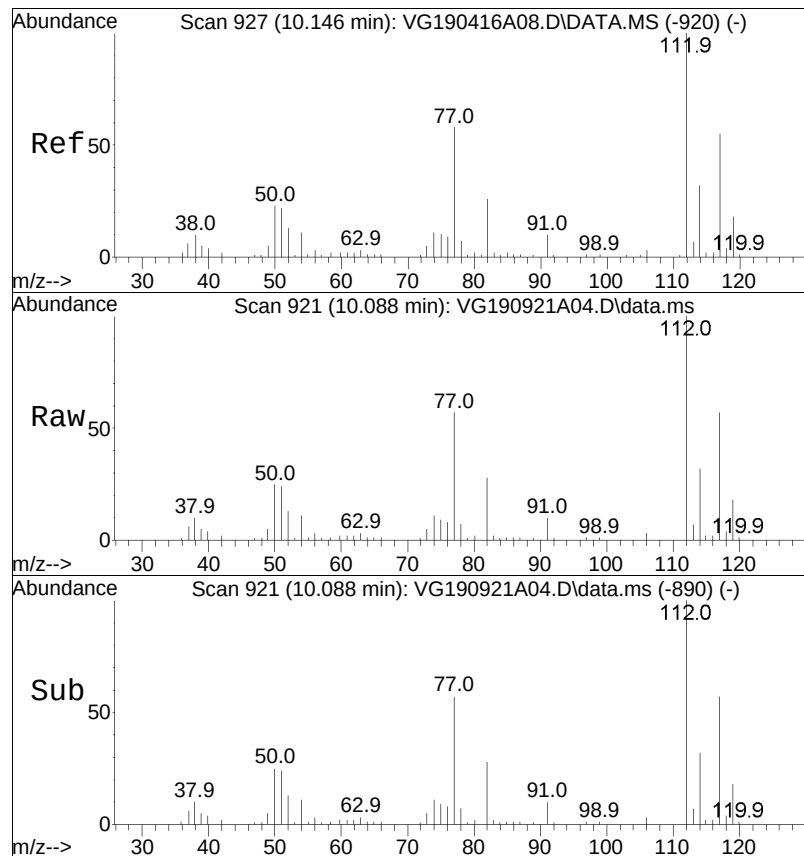
Ion Ratio Lower Upper

43 100

58 44.6 43.8 65.6

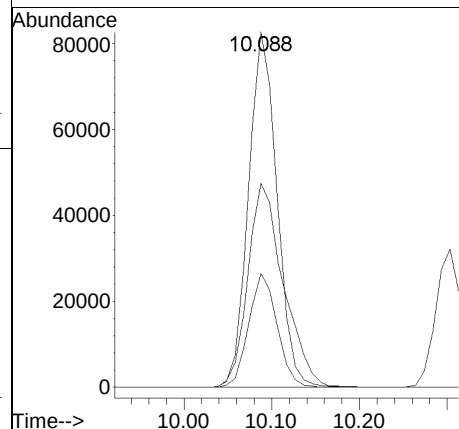
57 15.4 15.2 22.8

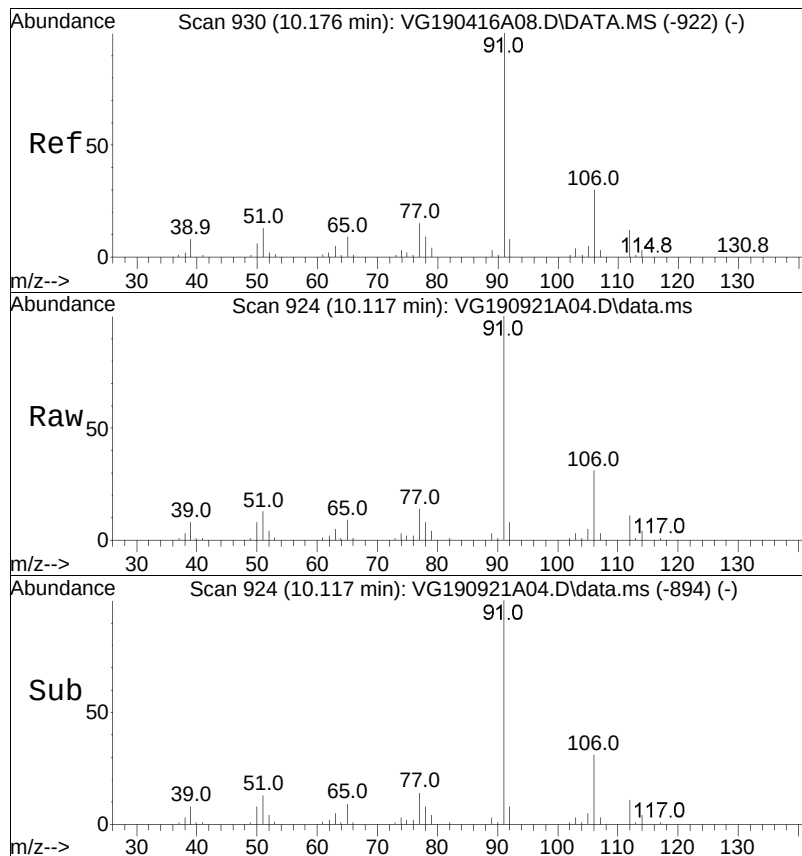




#73
 Chlorobenzene
 Concen: 9.33 ug/L
 RT: 10.088 min Scan# 921
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

Tgt	Ion:112	Resp:	186585
Ion	Ratio	Lower	Upper
112	100		
77	71.8	55.9	83.9
114	32.0	25.4	38.0





#74

Ethylbenzene

Concen: 9.17 ug/L

RT: 10.117 min Scan# 924

Delta R.T. -0.010 min

Lab File: VG190921A04.D

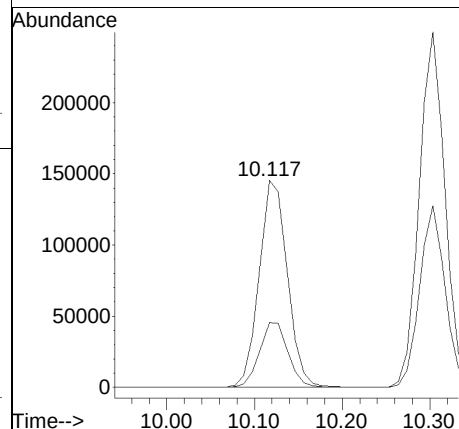
Acq: 21 Sep 2019 9:24

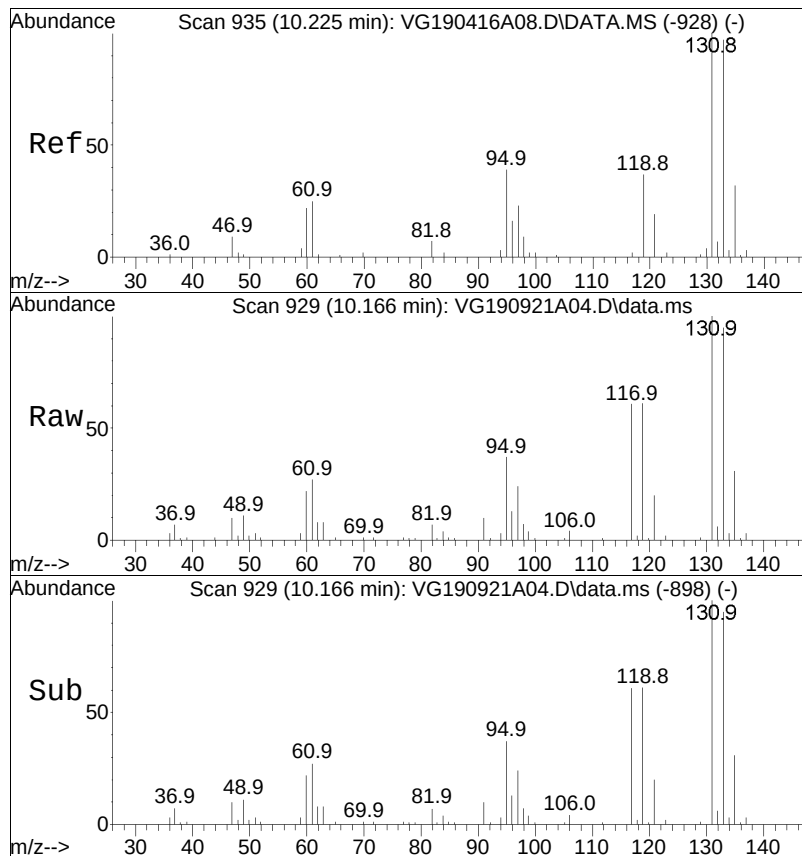
Tgt Ion: 91 Resp: 326184

Ion Ratio Lower Upper

91 100

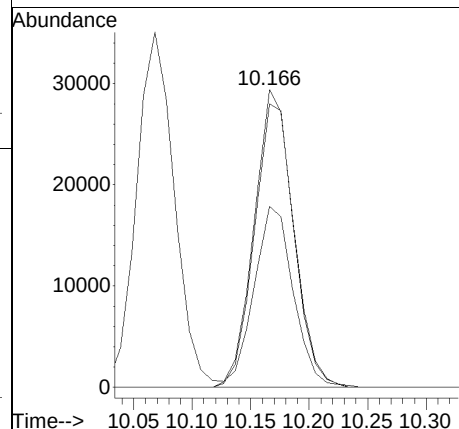
106 31.7 25.3 37.9

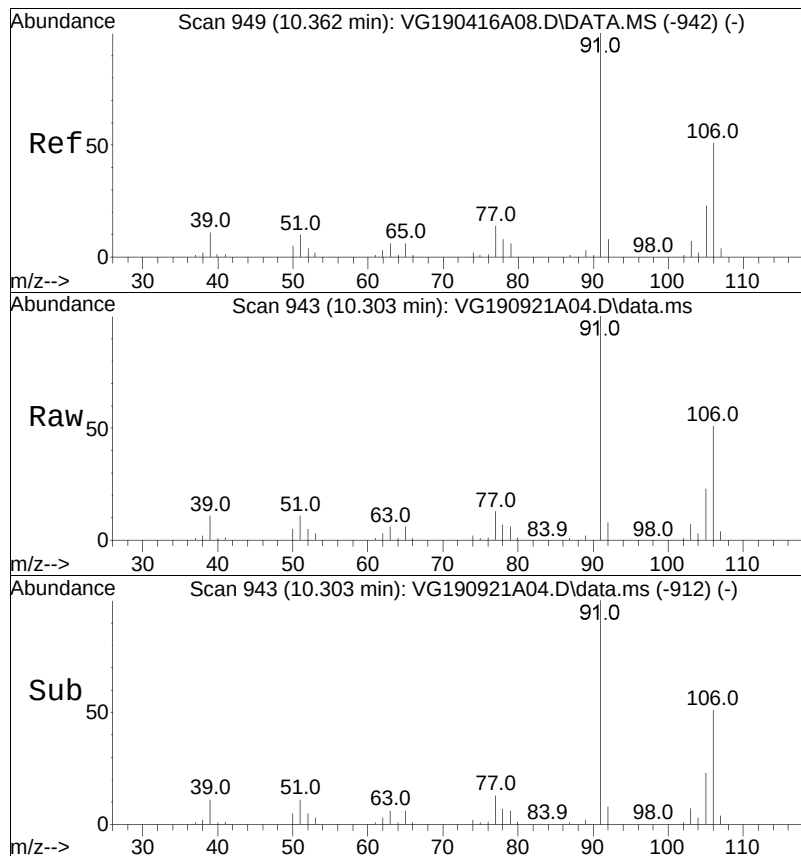




#75
 1,1,1,2-Tetrachloroethane
 Concen: 9.28 ug/L
 RT: 10.166 min Scan# 929
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

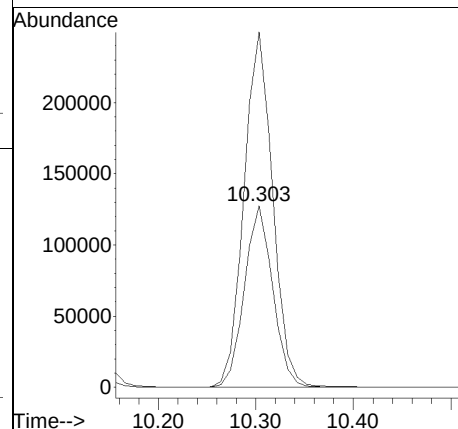
Tgt Ion:	131	Resp:	69055
Ion Ratio	Lower	Upper	
131	100		
133	95.8	77.3	117.3
119	60.2	42.7	82.7

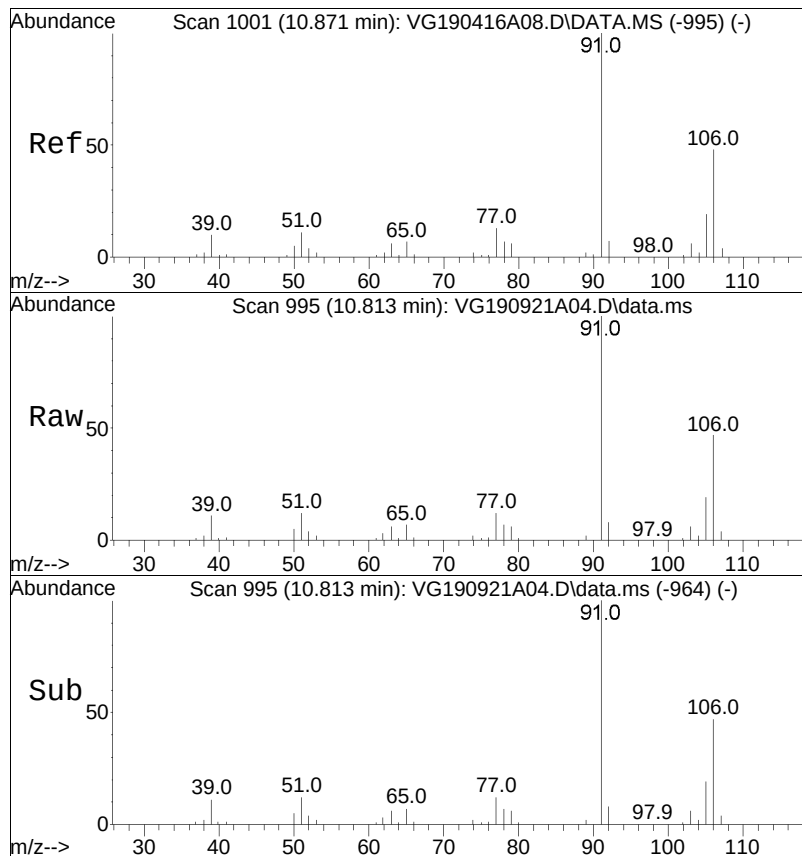




#76
 p/m Xylene
 Concen: 18.71 ug/L
 RT: 10.303 min Scan# 943
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

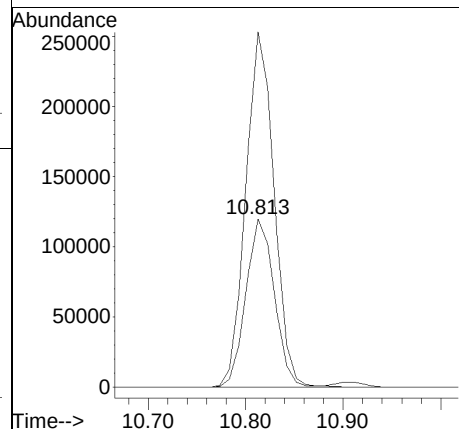
Tgt Ion	106	91	Ratio	100	Resp	258284	Lower	Upper
106	100							
91	198.1	157.1	235.7					

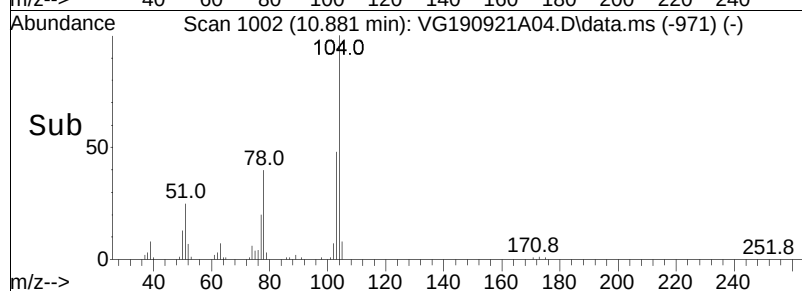
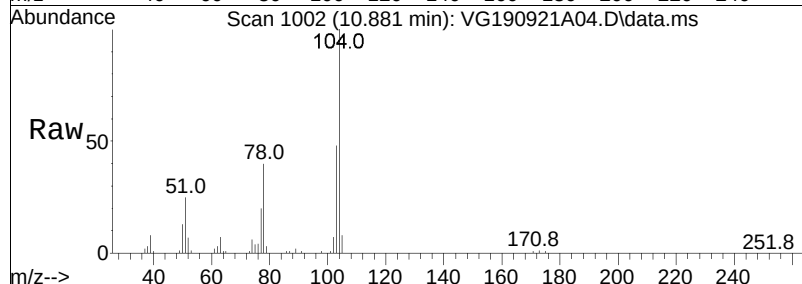
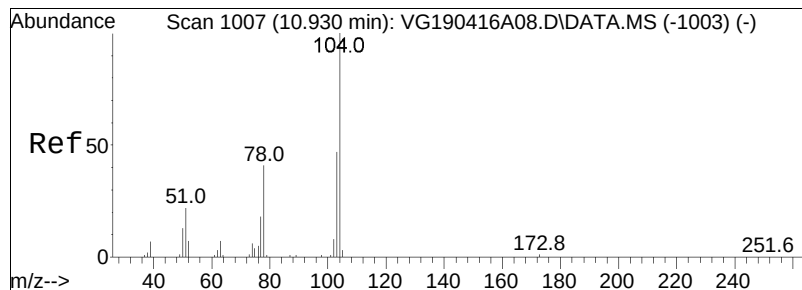




#77
 o Xylene
 Concen: 18.94 ug/L
 RT: 10.813 min Scan# 995
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

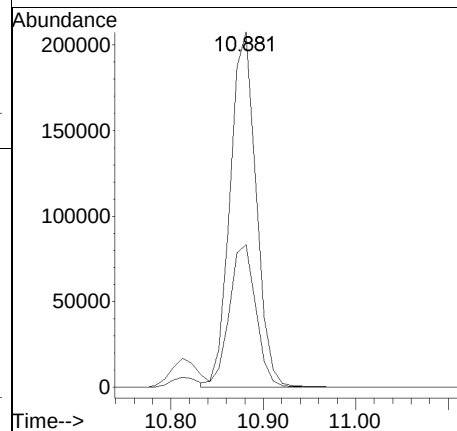
Tgt Ion	106	91	Ratio	100	Resp	245391	Lower	Upper
106	100							
91		207.9					164.7	247.1

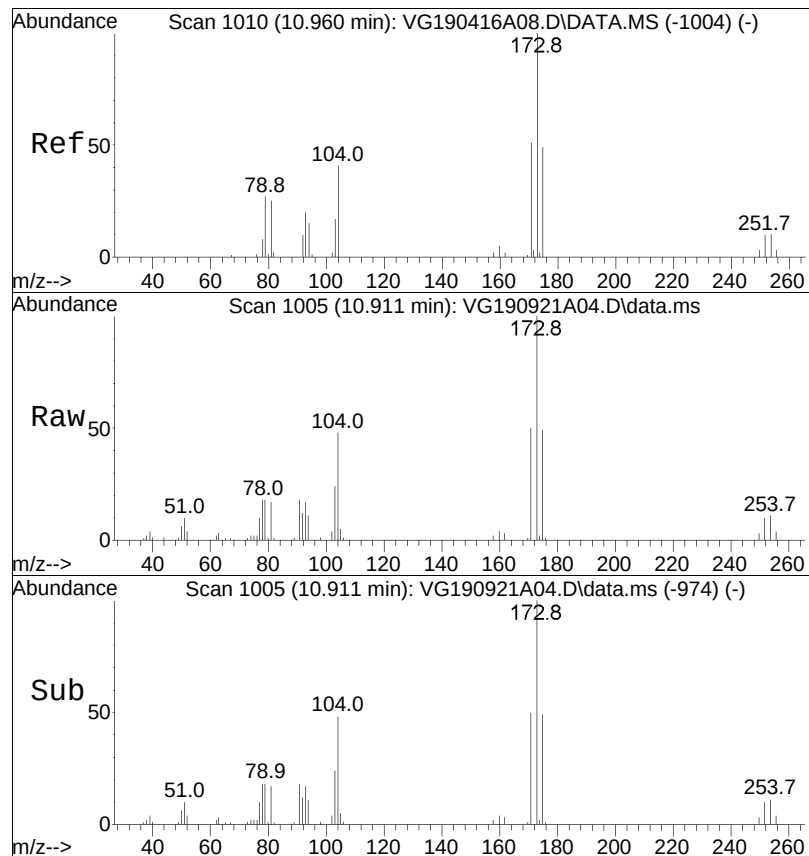




#78
 Styrene
 Concen: 19.24 ug/L
 RT: 10.881 min Scan# 1002
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

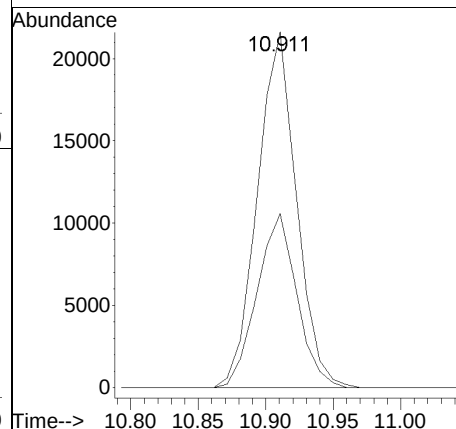
Tgt Ion	Ratio	Lower	Upper
104	100		
78	40.8	32.2	48.4

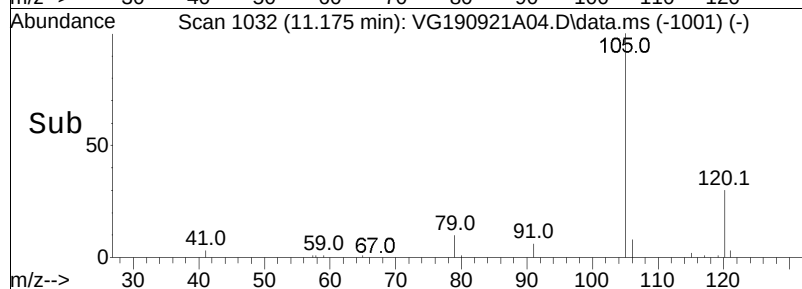
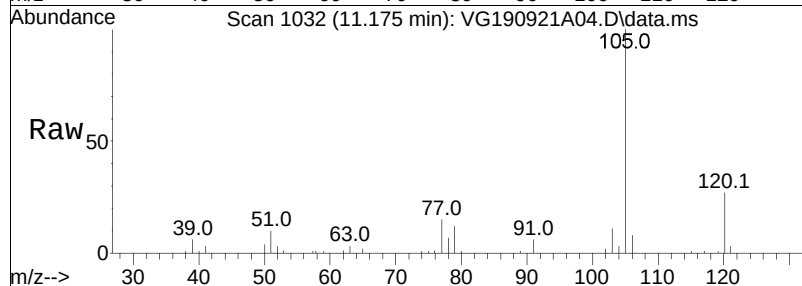
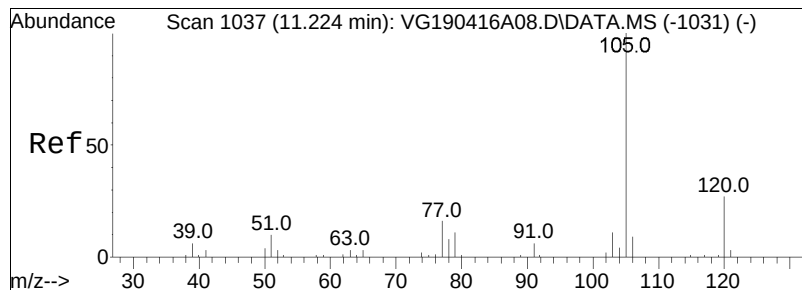




#80
 Bromoform
 Concen: 8.91 ug/L
 RT: 10.911 min Scan# 1005
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

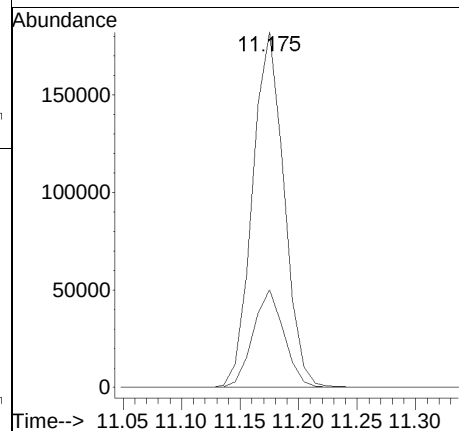
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.8	28.0	68.0

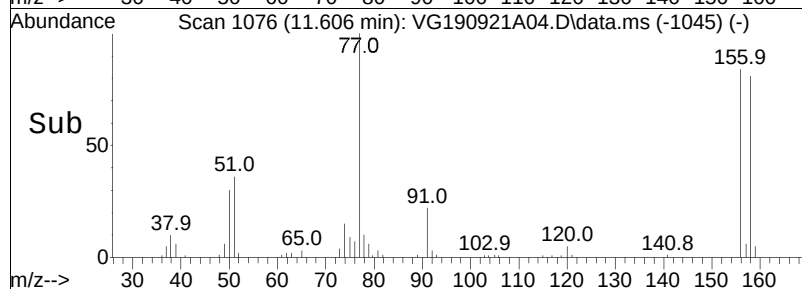
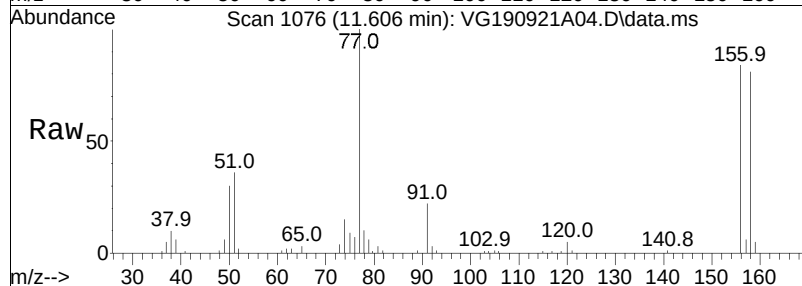
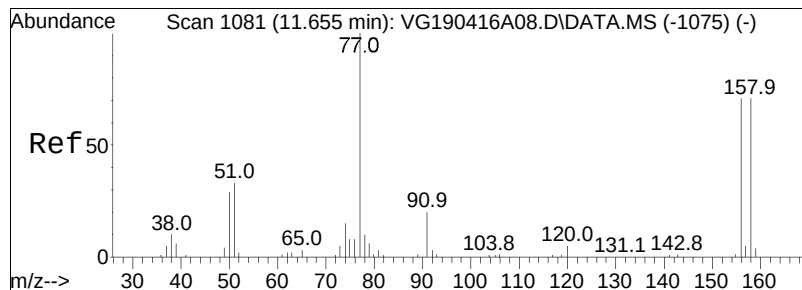




#82
 Isopropylbenzene
 Concen: 9.56 ug/L
 RT: 11.175 min Scan# 1032
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	7.0	47.0





#84

Bromobenzene

Concen: 9.46 ug/L

RT: 11.606 min Scan# 1076

Delta R.T. -0.000 min

Lab File: VG190921A04.D

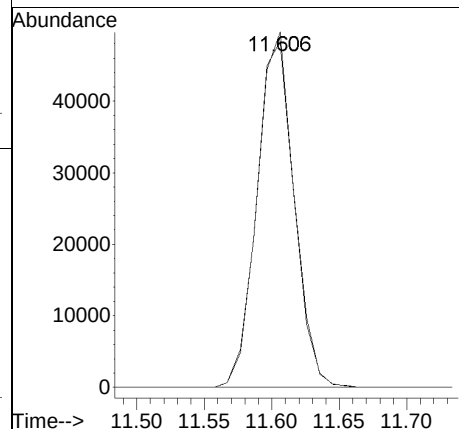
Acq: 21 Sep 2019 9:24

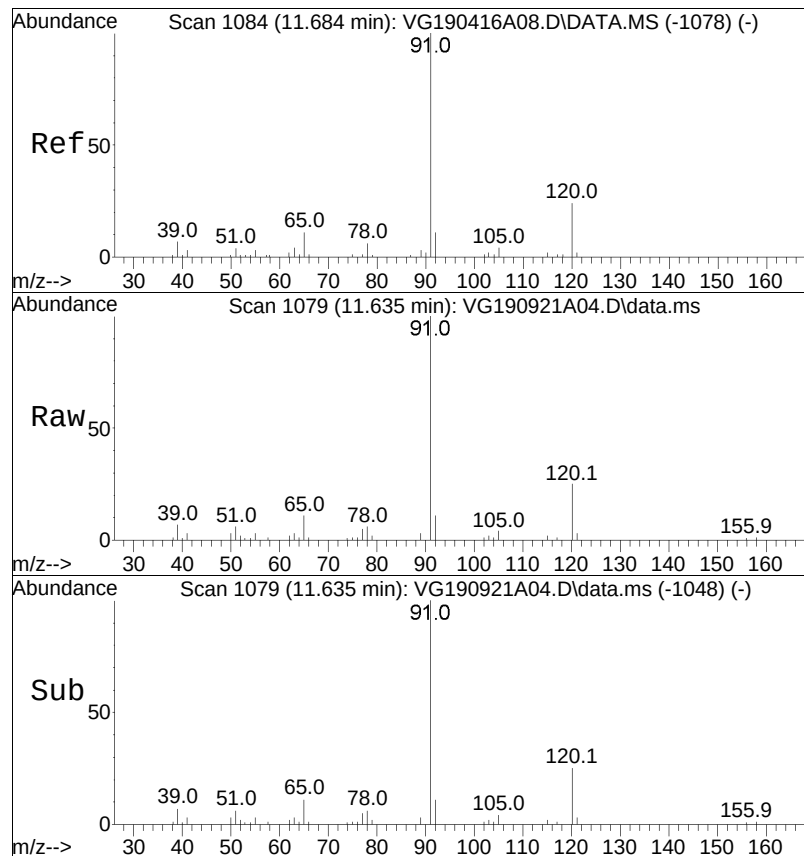
Tgt Ion:156 Resp: 94569

Ion Ratio Lower Upper

156 100

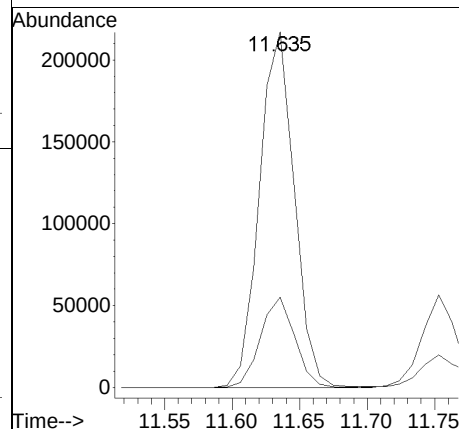
158 98.7 76.9 115.3

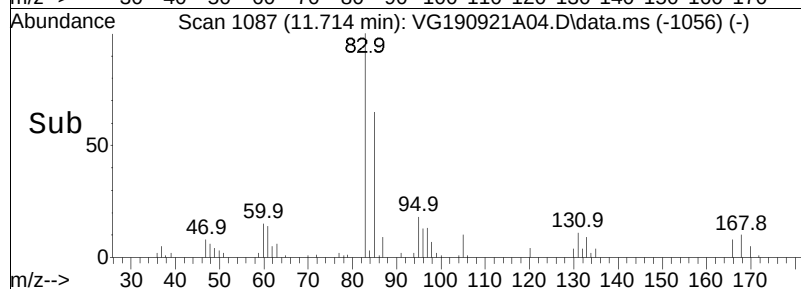
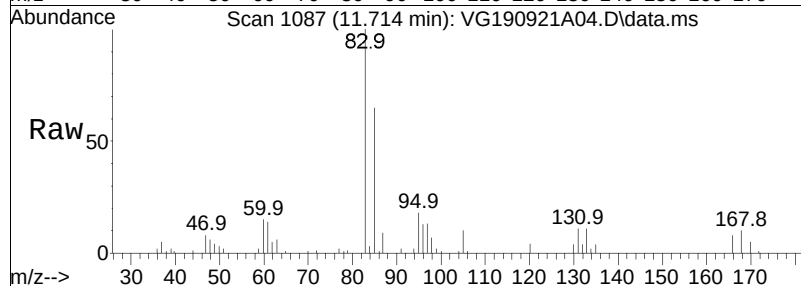
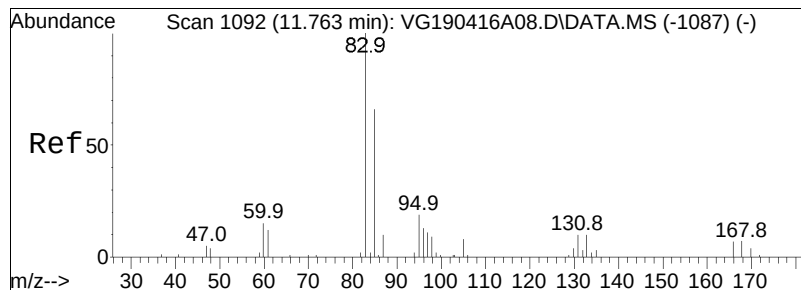




#85
 n-Propylbenzene
 Concen: 9.29 ug/L
 RT: 11.635 min Scan# 1079
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.0	19.0	28.6





#87

1,1,2,2-Tetrachloroethane

Concen: 9.37 ug/L

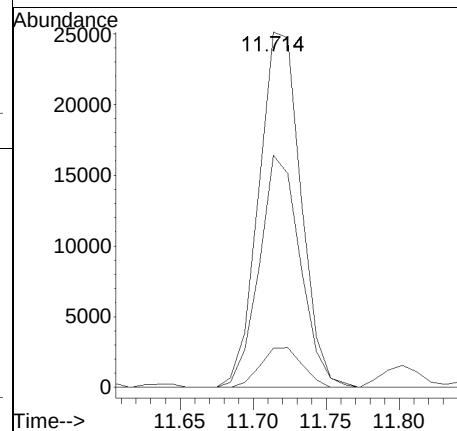
RT: 11.714 min Scan# 1087

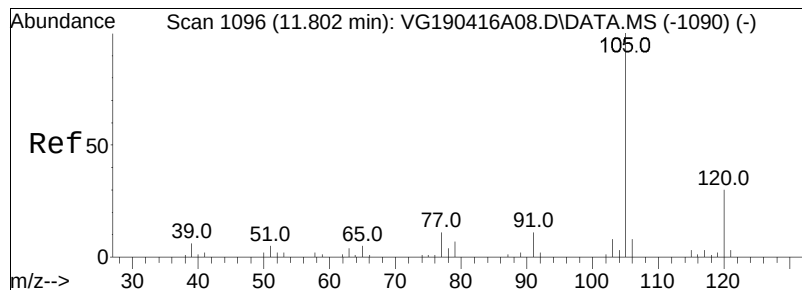
Delta R.T. -0.000 min

Lab File: VG190921A04.D

Acq: 21 Sep 2019 9:24

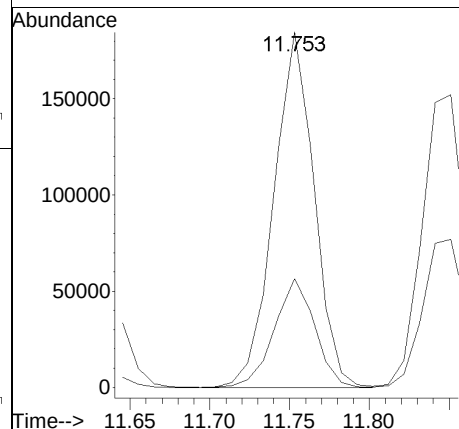
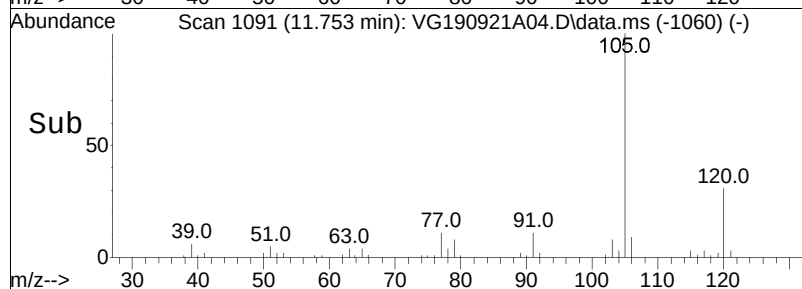
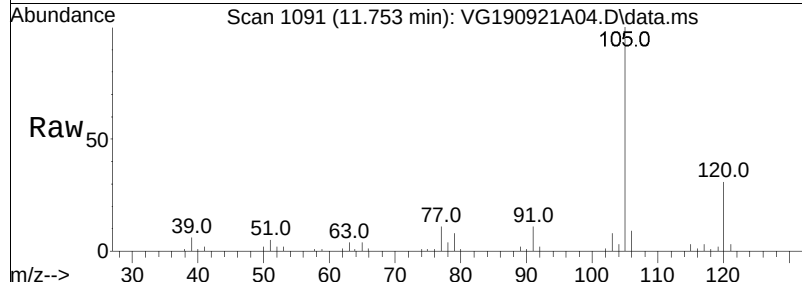
Tgt Ion:	83	Resp:	50385
Ion Ratio	Lower	Upper	
83	100		
131	11.2	0.0	31.0
85	63.7	43.9	83.9

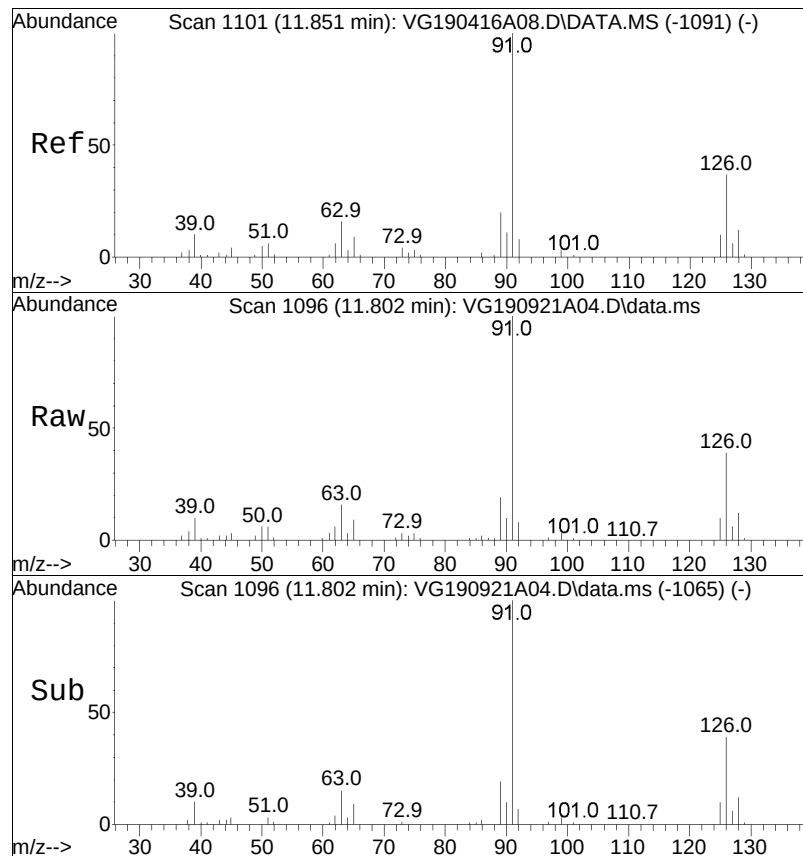




#88
 4-Ethyltoluene
 Concen: 9.67 ug/L
 RT: 11.753 min Scan# 1091
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

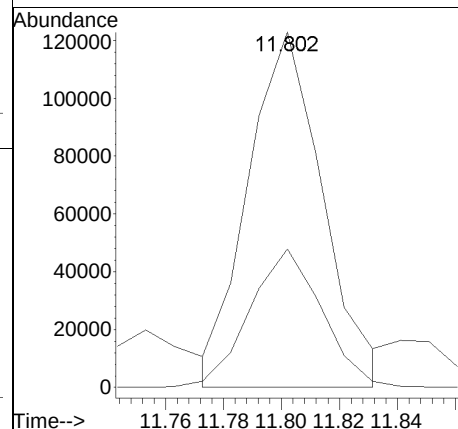
Tgt Ion	Ratio	Lower	Upper
105	100		
120	30.7	19.9	41.3

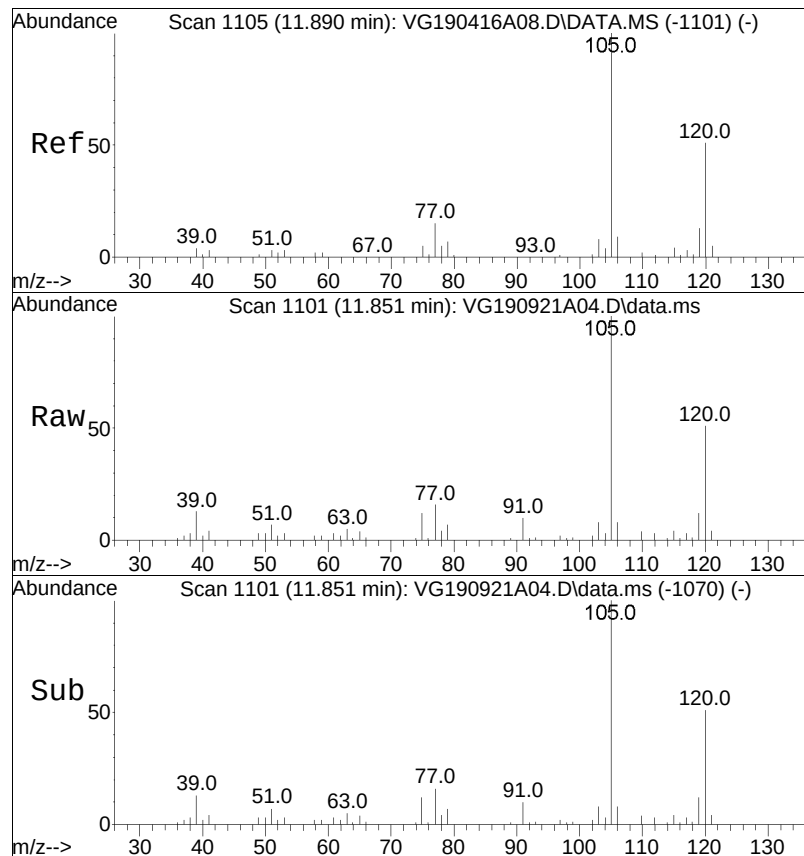




#89
 2-Chlorotoluene
 Concen: 9.39 ug/L M1
 RT: 11.802 min Scan# 1096
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

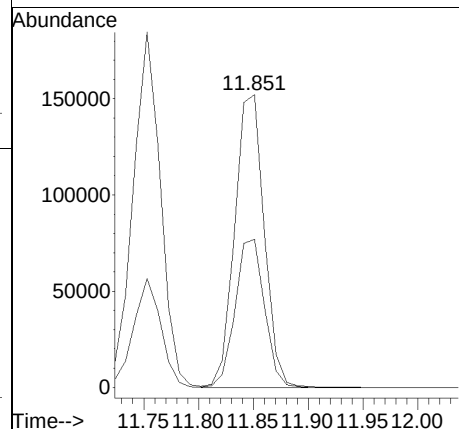
Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.8	27.4	41.2

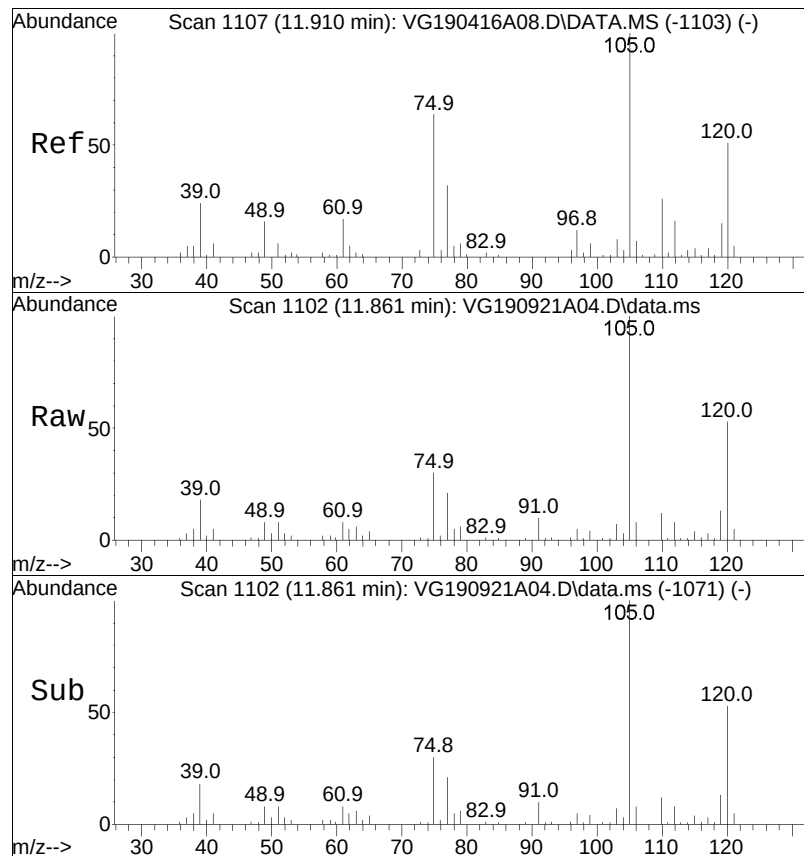




#90
 1,3,5-Trimethylbenzene
 Concen: 9.64 ug/L
 RT: 11.851 min Scan# 1101
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

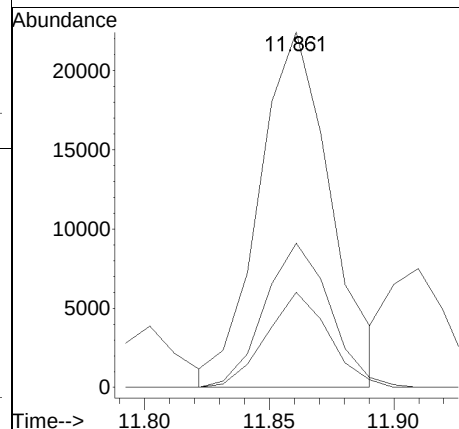
Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.2	40.3	60.5

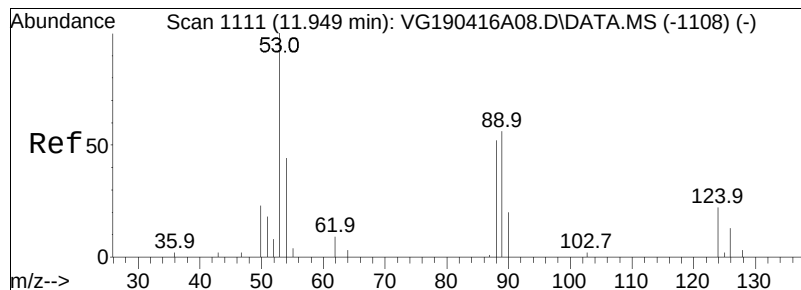




#91
 1,2,3-Trichloropropane
 Concen: 10.17 ug/L M1
 RT: 11.861 min Scan# 1102
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

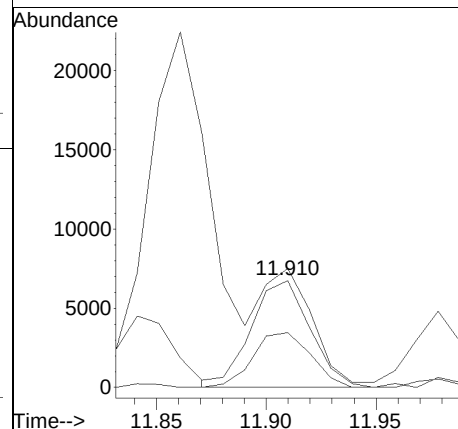
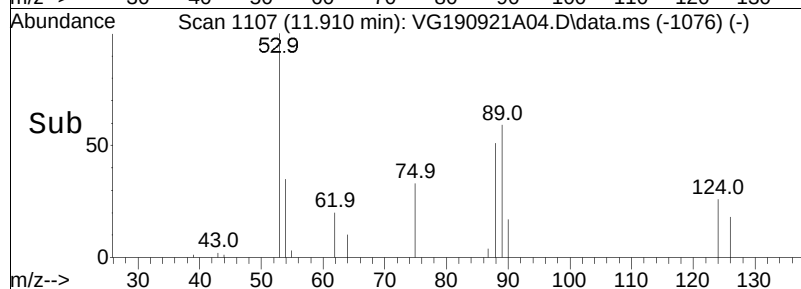
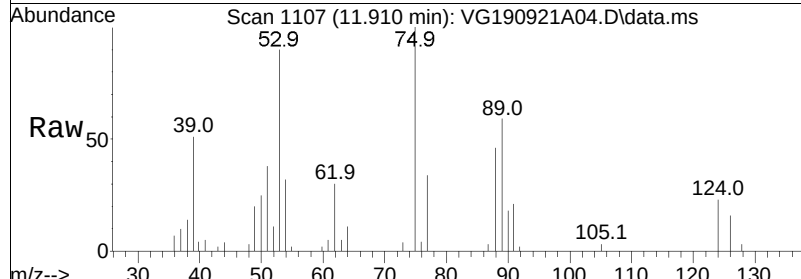
Tgt	Ion: 75	Resp:	45001
Ion	Ratio	Lower	Upper
75	100		
110	37.0	23.5	48.9
112	23.3	15.9	32.9

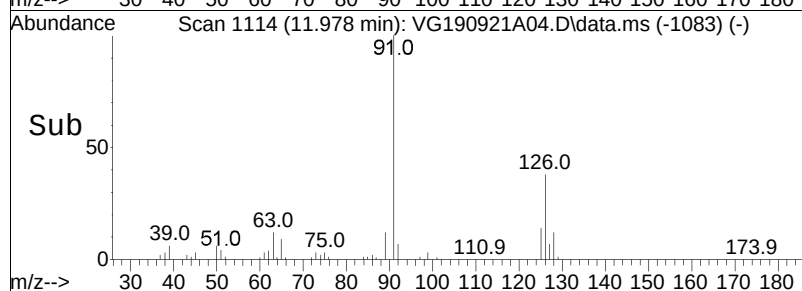
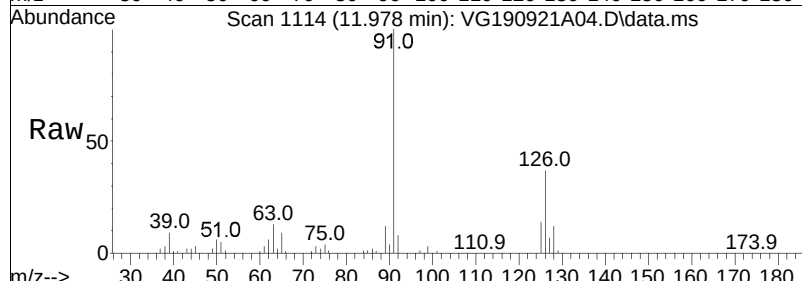
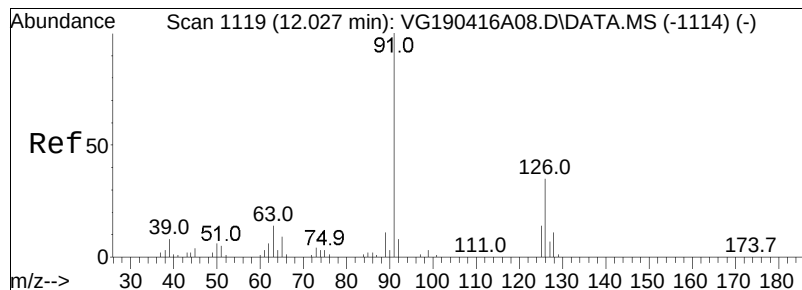




#92
 trans-1,4-Dichloro-2-butene
 Concen: 9.70 ug/L
 RT: 11.910 min Scan# 1107
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

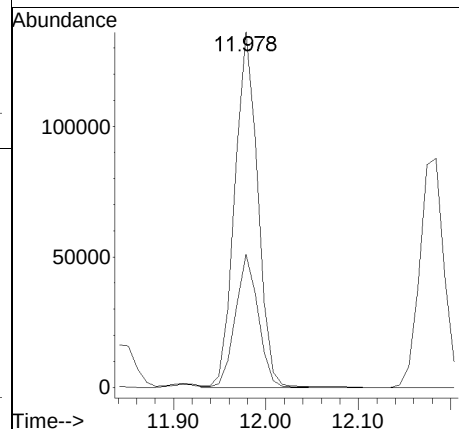
Tgt Ion	Ratio	Resp	Lower	Upper
53	100	12646		
88	50.4		41.6	62.4
75	97.5		0.0	0.0#

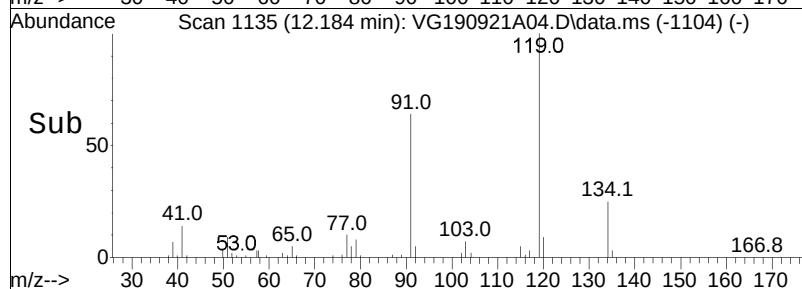
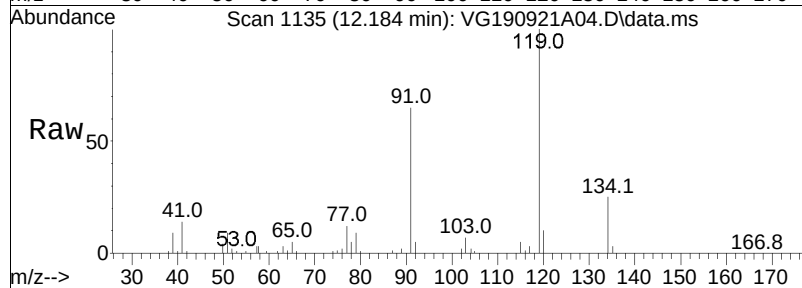
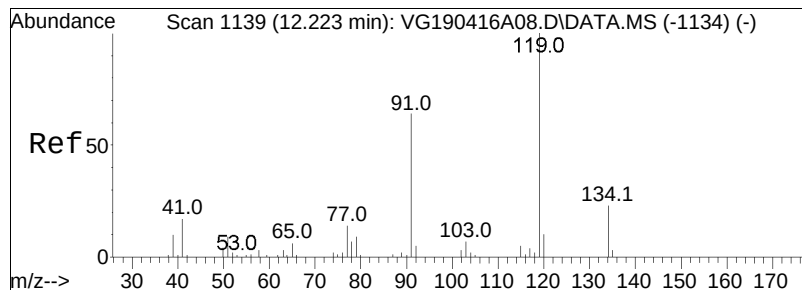




#93
 4-Chlorotoluene
 Concen: 9.53 ug/L
 RT: 11.978 min Scan# 1114
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

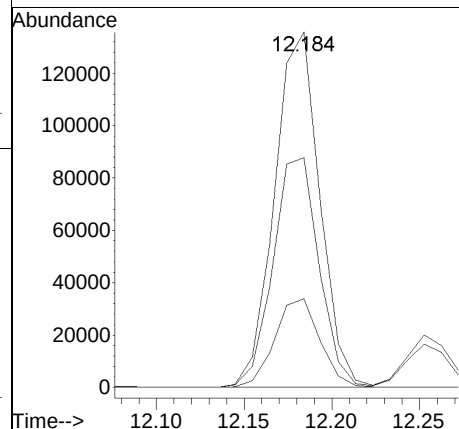
Tgt Ion:	91	126	Resp:	235960
Ion Ratio	100	36.9	Lower	Upper
			28.2	42.4

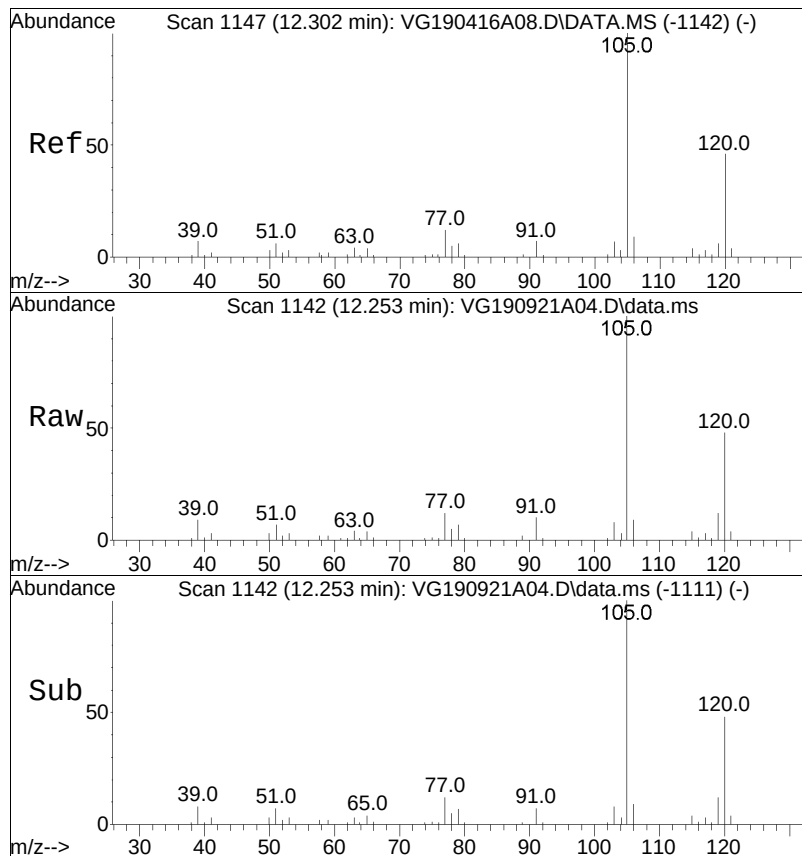




#94
 tert-Butylbenzene
 Concen: 9.25 ug/L
 RT: 12.184 min Scan# 1135
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

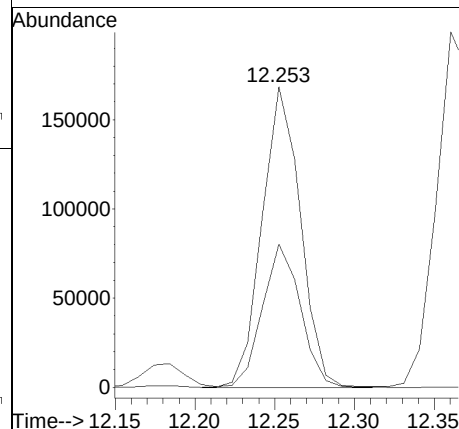
Tgt	Ion:119	Resp:	243808
Ion	Ratio	Lower	Upper
119	100		
91	66.0	50.8	76.2
134	25.0	20.2	30.4

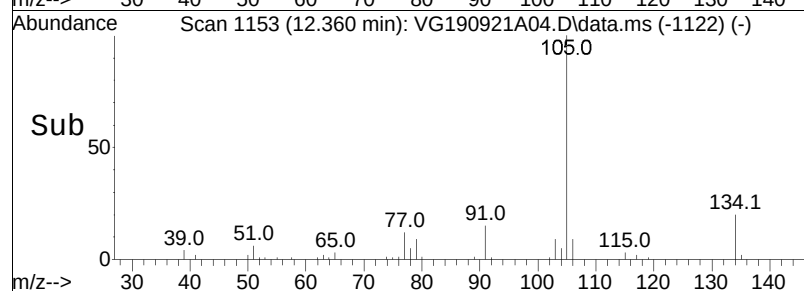
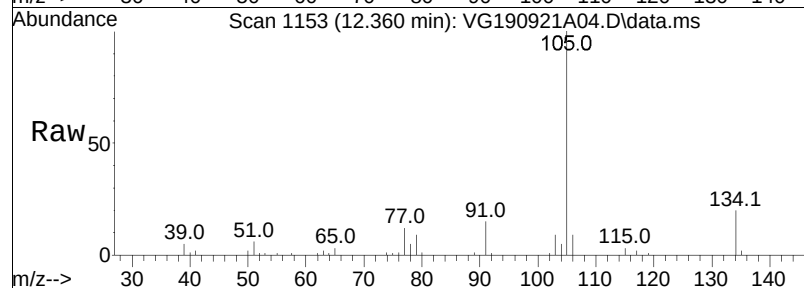
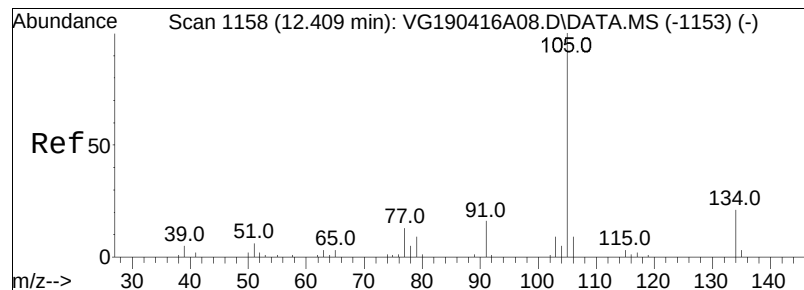




#97
 1,2,4-Trimethylbenzene
 Concen: 9.68 ug/L
 RT: 12.253 min Scan# 1142
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

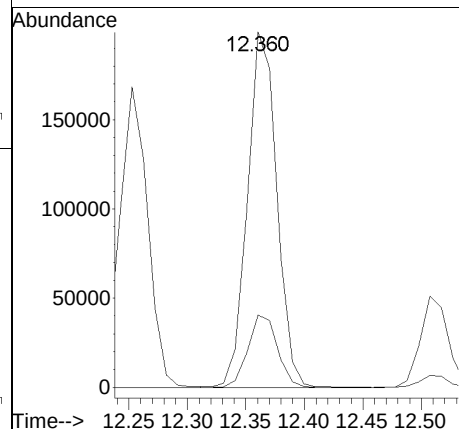
Tgt Ion	105	120	Ratio	Lower	Upper
105	100				
120	47.3		37.8	56.6	

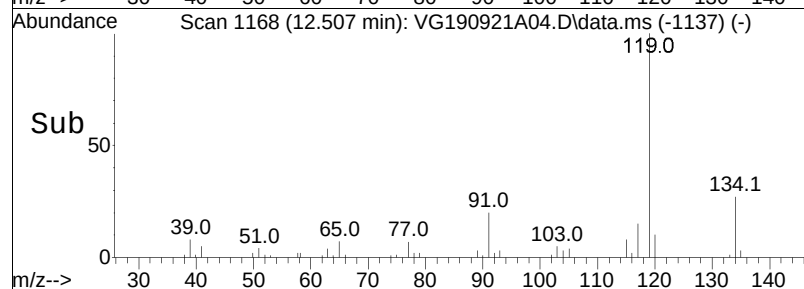
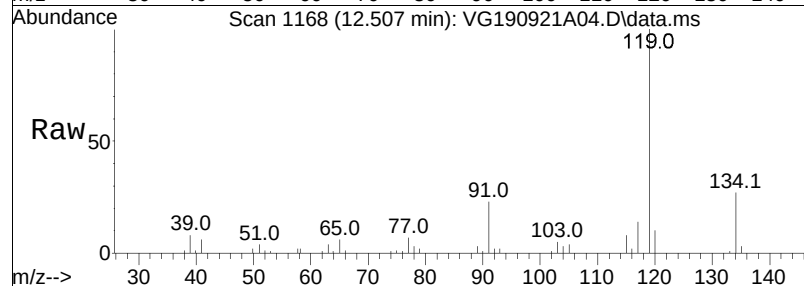
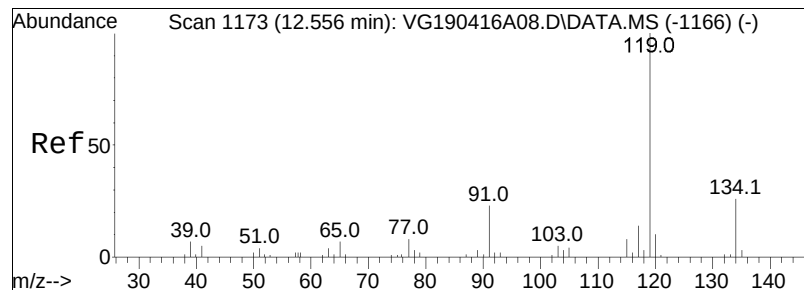




#98
 sec-Butylbenzene
 Concen: 9.83 ug/L
 RT: 12.360 min Scan# 1153
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

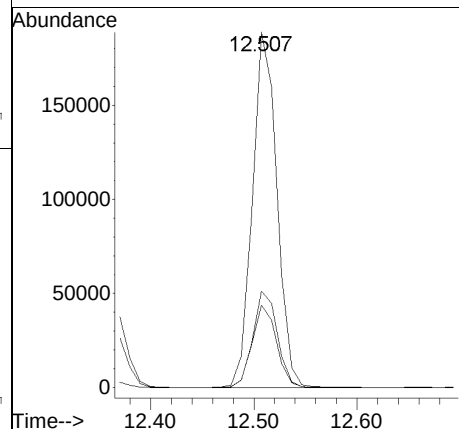
Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.4	13.3	27.7

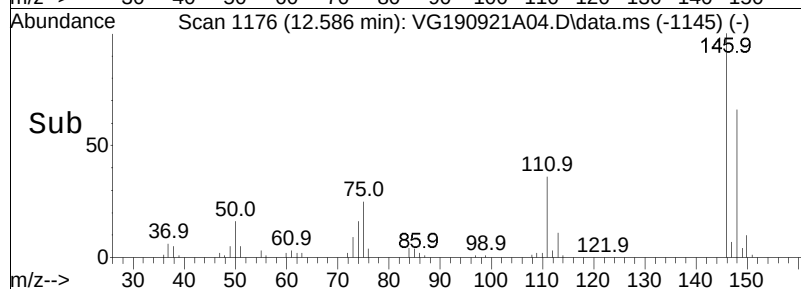
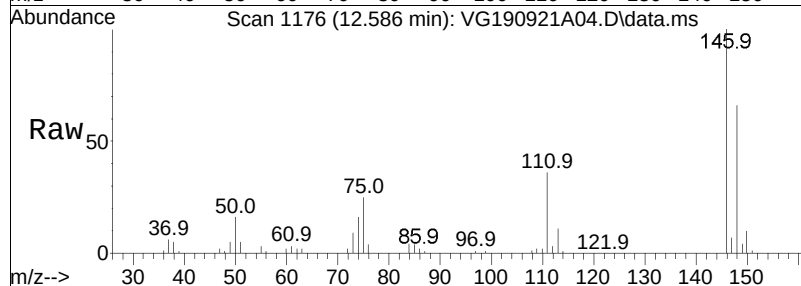
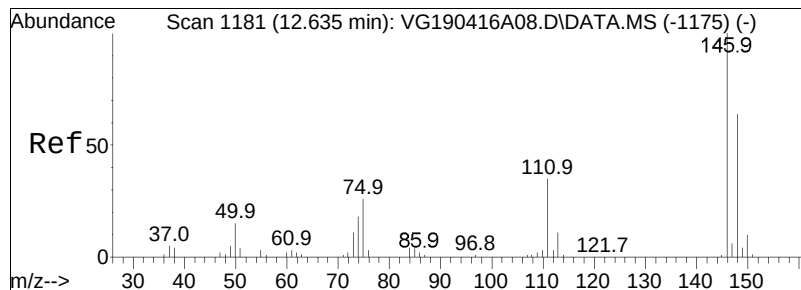




#99
 p-Isopropyltoluene
 Concen: 9.34 ug/L
 RT: 12.507 min Scan# 1168
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

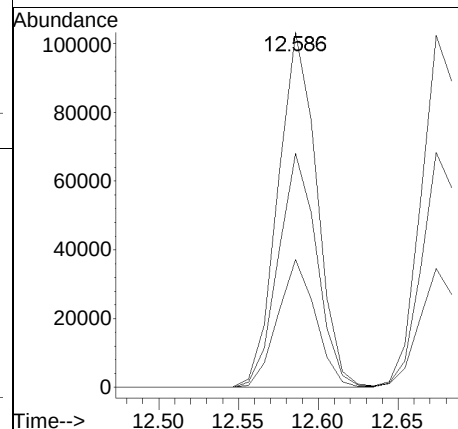
Tgt	Ion	Ratio	Lower	Upper
119	100			
134	27.0	17.5	36.3	
91	23.0	14.6	30.4	

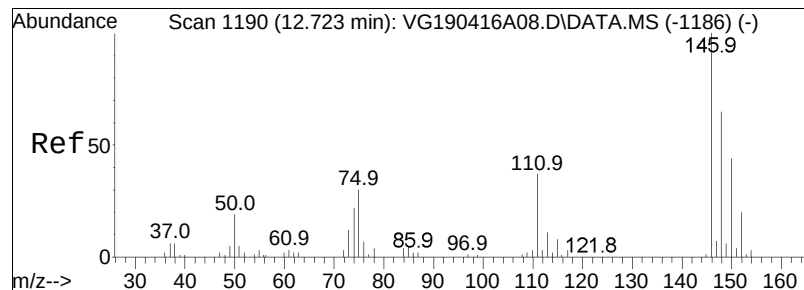




#100
 1,3-Dichlorobenzene
 Concen: 9.63 ug/L
 RT: 12.586 min Scan# 1176
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

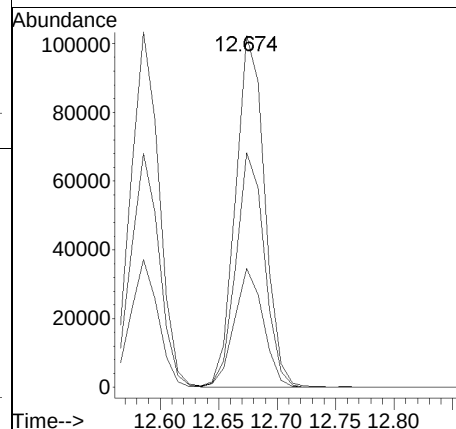
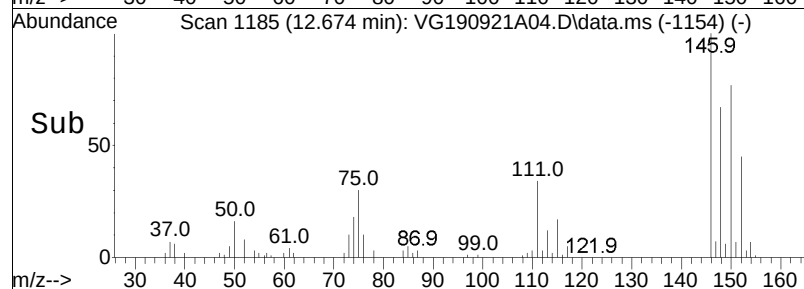
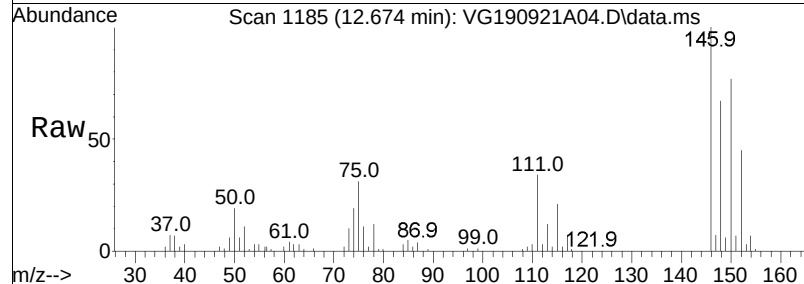
Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.1	24.4	50.6
148	65.4	41.0	85.2

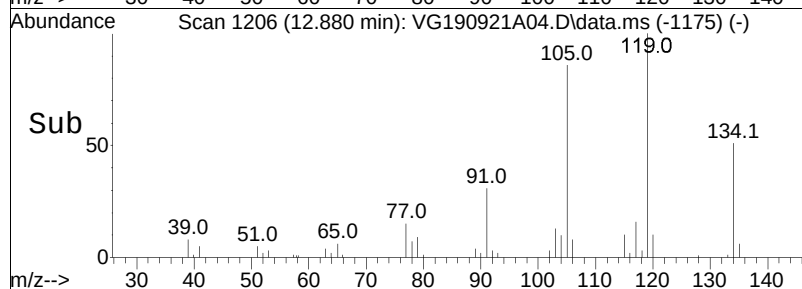
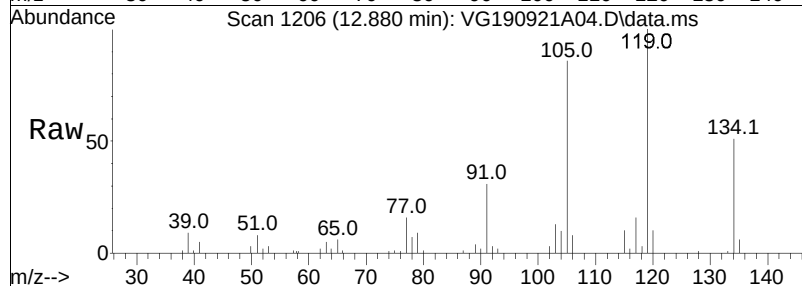
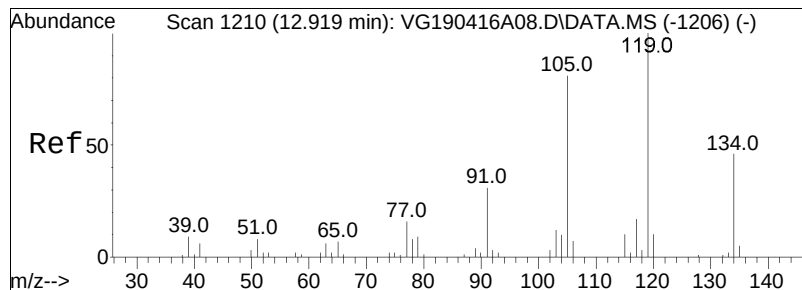




#101
 1,4-Dichlorobenzene
 Concen: 9.71 ug/L
 RT: 12.674 min Scan# 1185
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

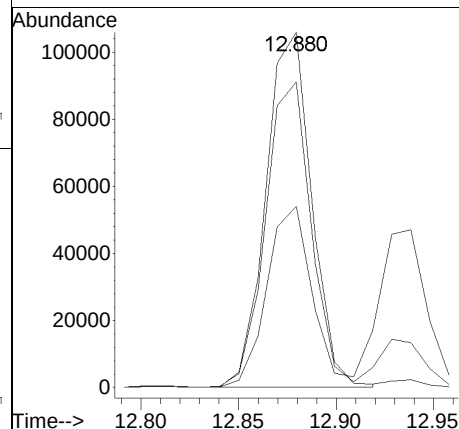
Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.7	29.3	43.9
148	65.4	51.2	76.8

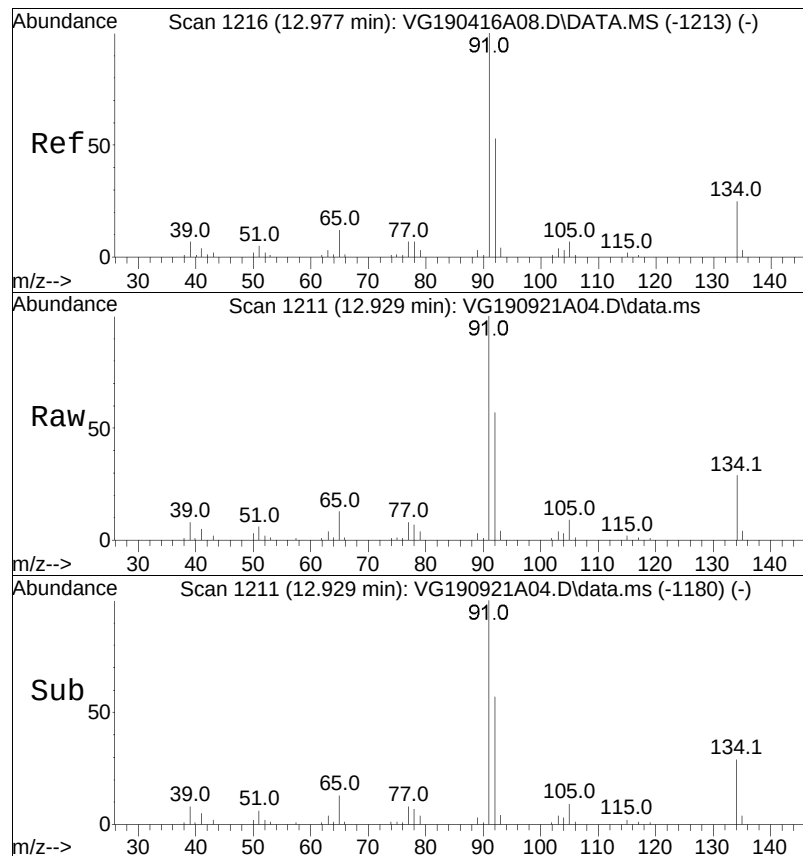




#102
 p-Diethylbenzene
 Concen: 9.28 ug/L
 RT: 12.880 min Scan# 1206
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

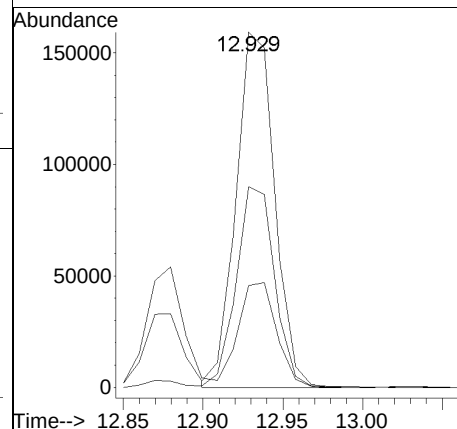
Tgt	Ion	Ratio	Resp	Lower	Upper
119	100		173105		
105	85.9	53.9		112.1	
134	50.9	32.0		66.6	

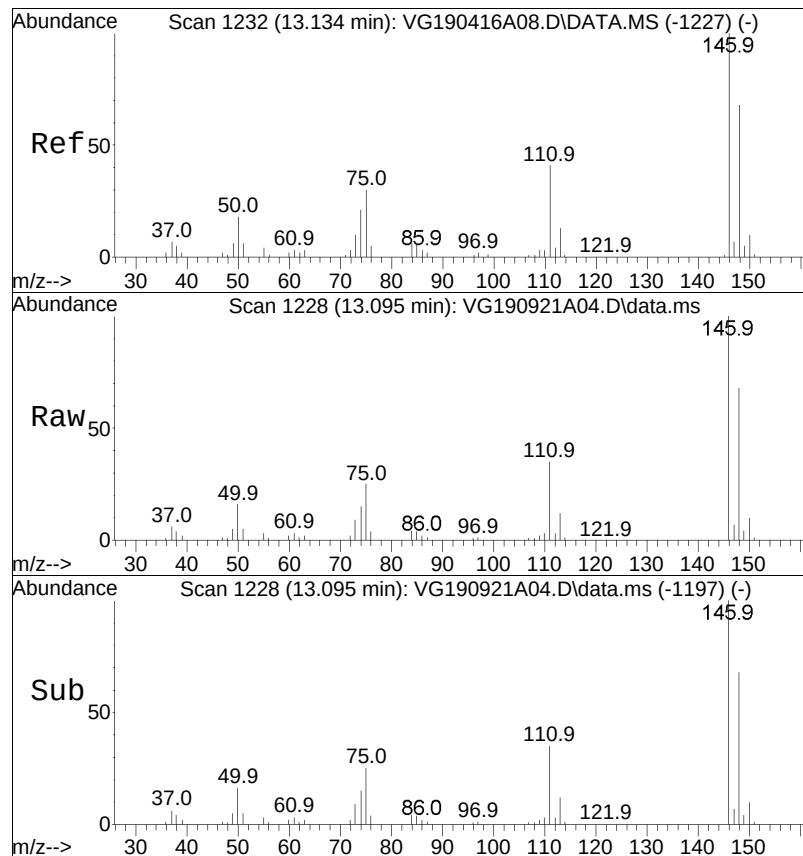




#103
 n-Butylbenzene
 Concen: 9.64 ug/L
 RT: 12.929 min Scan# 1211
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

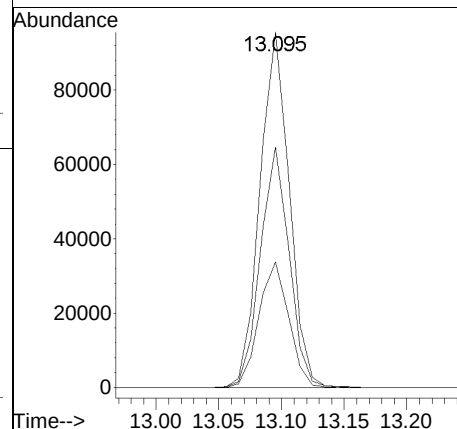
Tgt Ion:	91	Resp:	269373
Ion Ratio	Lower	Upper	
91	100		
92	55.9	43.8	65.8
134	29.1	22.0	33.0

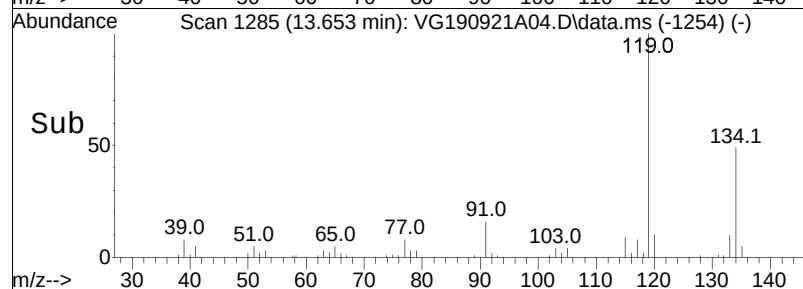
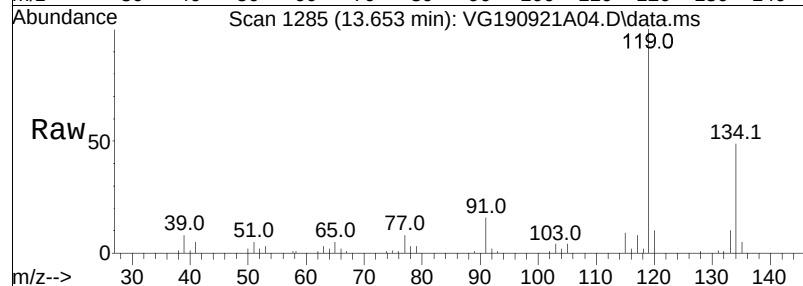
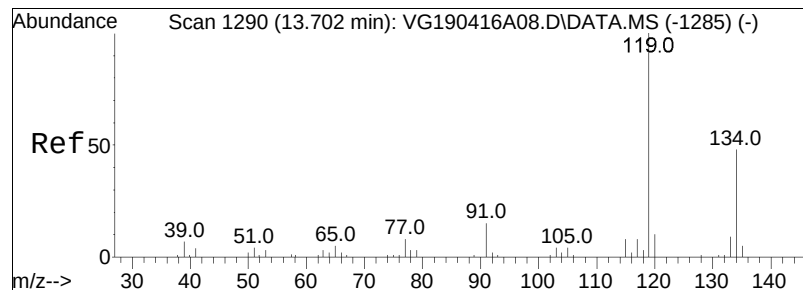




#104
 1,2-Dichlorobenzene
 Concen: 9.56 ug/L
 RT: 13.095 min Scan# 1228
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	25.4	52.8
148	66.3	41.7	86.5





#105

1,2,4,5-Tetramethylbenzene

Concen: 9.28 ug/L

RT: 13.653 min Scan# 1285

Delta R.T. -0.000 min

Lab File: VG190921A04.D

Acq: 21 Sep 2019 9:24

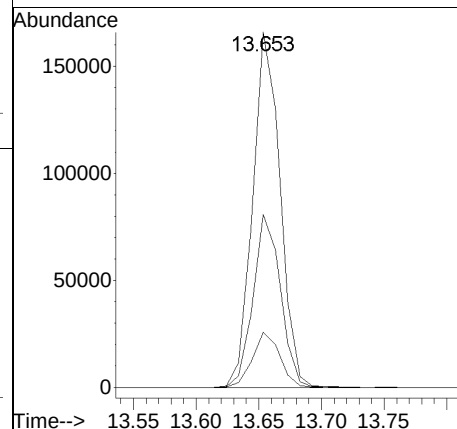
Tgt Ion:119 Resp: 251985

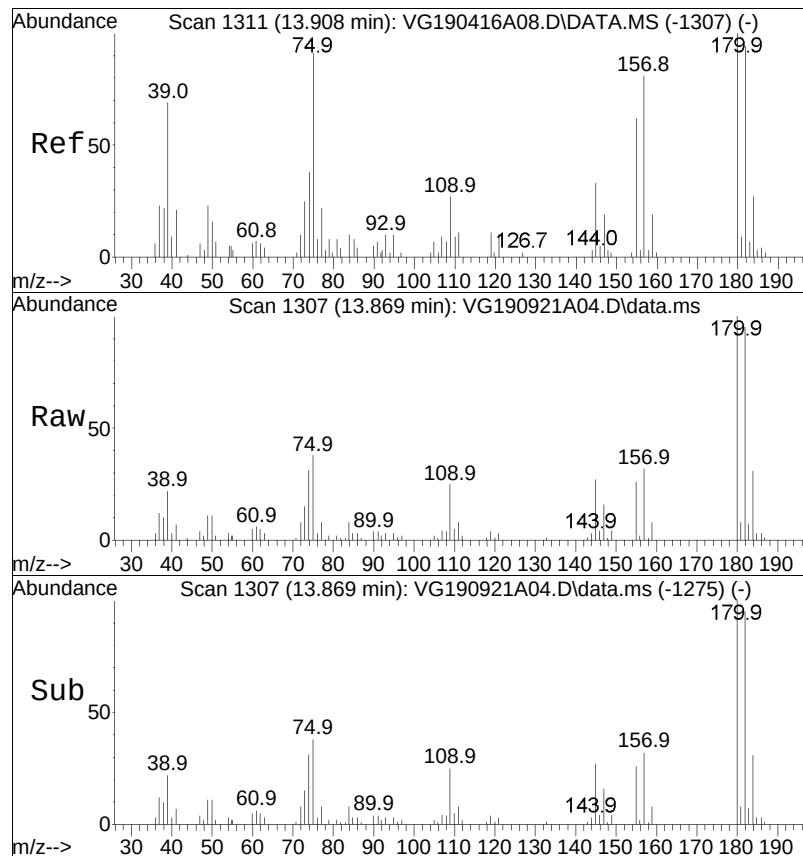
Ion Ratio Lower Upper

119 100

134 48.7 32.7 67.9

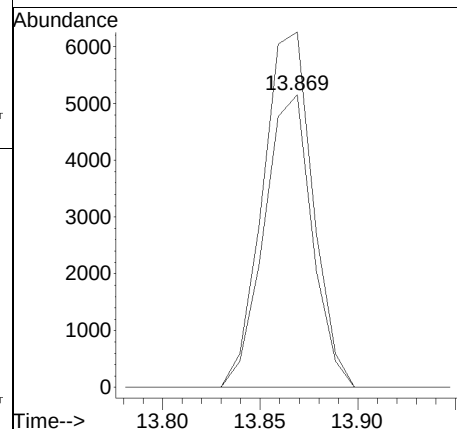
91 15.5 9.9 20.7

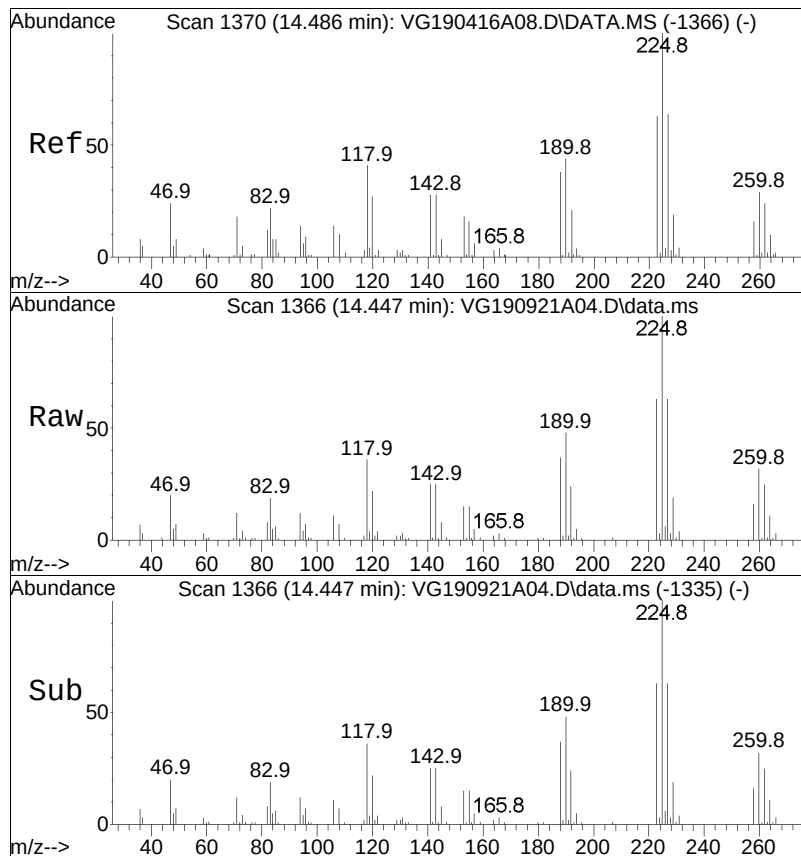




#106
 1,2-Dibromo-3-chloropropane
 Concen: 9.86 ug/L
 RT: 13.869 min Scan# 1307
 Delta R.T. 0.010 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

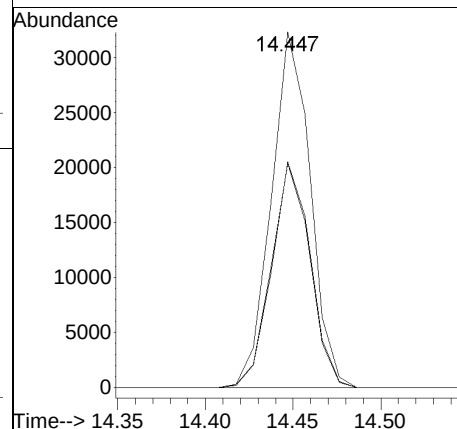
Tgt Ion	155	157	Ratio	100	126.5	Resp	8854	Lower	Upper
155	100								
157		126.5						99.9	149.9

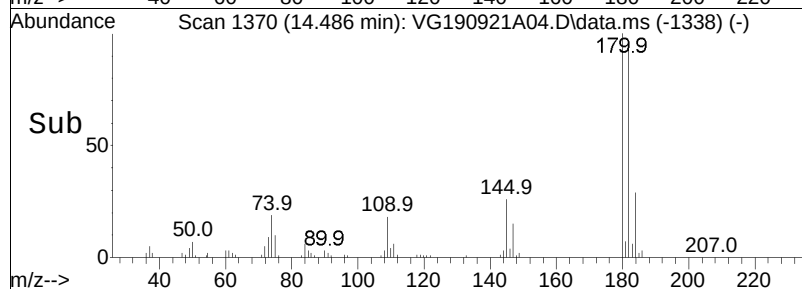
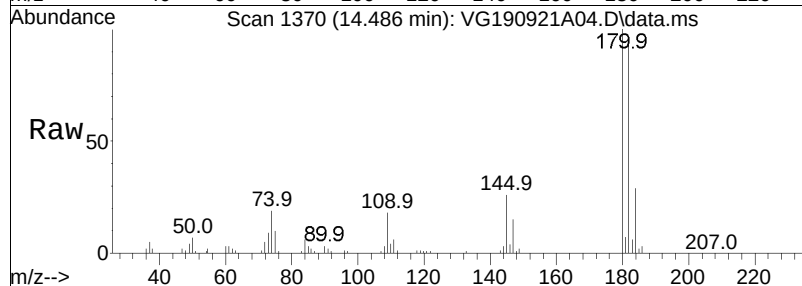
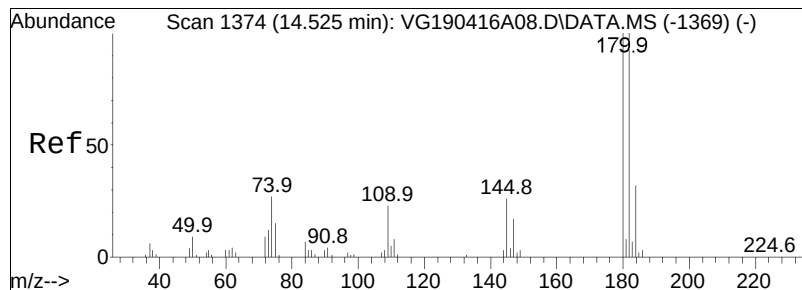




#108
 Hexachlorobutadiene
 Concen: 8.00 ug/L
 RT: 14.447 min Scan# 1366
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

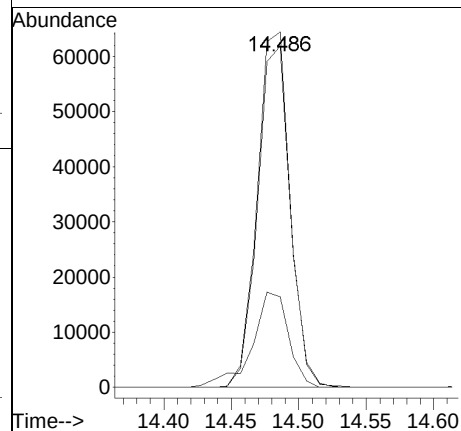
Tgt	Ion	Ratio	Resp	Lower	Upper
225	100		49942		
223	62.6	50.1		75.1	
227	62.9	50.2		75.4	

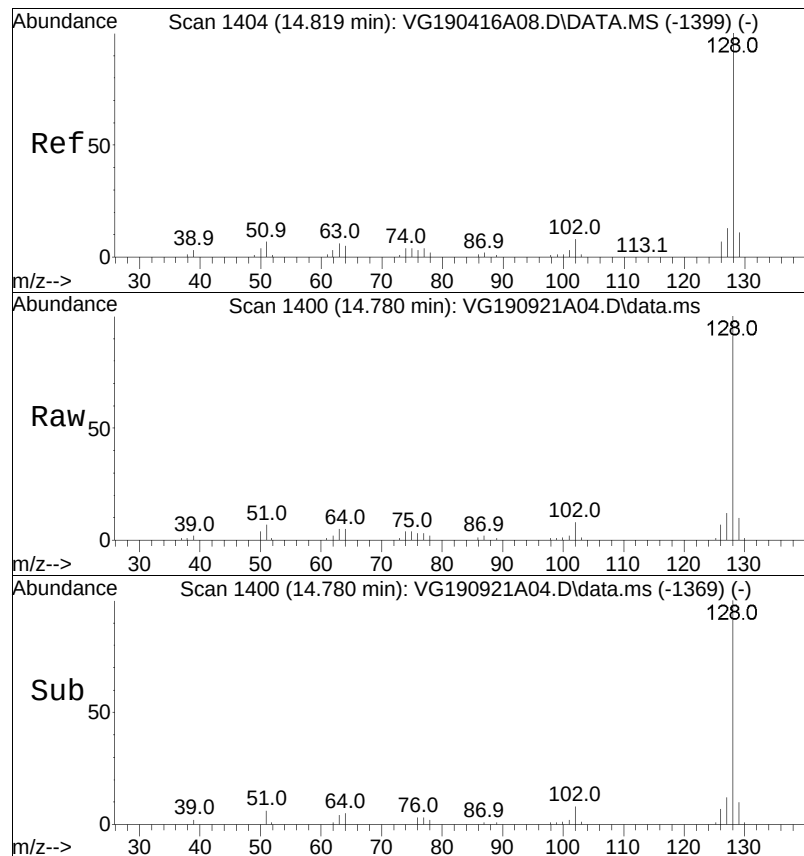




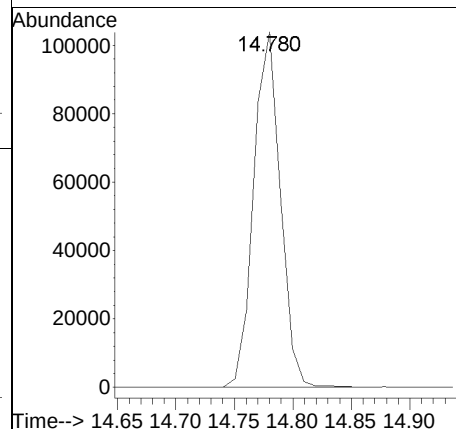
#109
 1,2,4-Trichlorobenzene
 Concen: 9.34 ug/L
 RT: 14.486 min Scan# 1370
 Delta R.T. 0.010 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

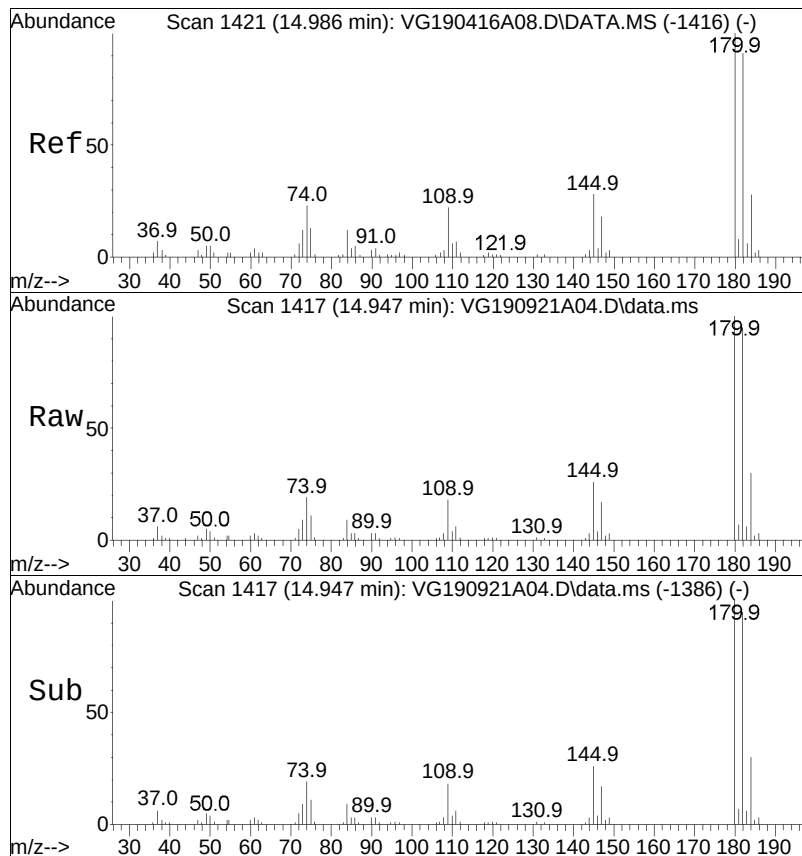
Tgt	Ion	Ratio	Resp	Lower	Upper
180	100		108837		
182	95.4	76.7	115.1		
145	29.8	26.5	39.7		





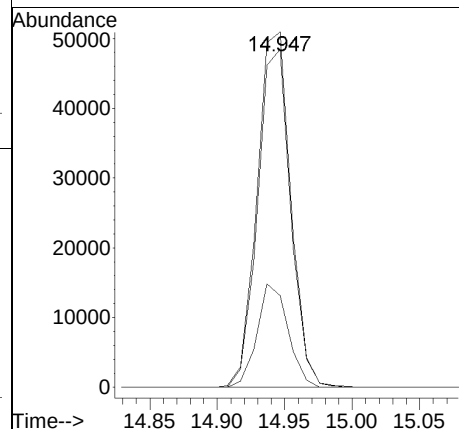
#110
 Naphthalene
 Concen: 10.21 ug/L
 RT: 14.780 min Scan# 1400
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24
 Tgt Ion:128 Resp: 165413





#111
 1,2,3-Trichlorobenzene
 Concen: 9.65 ug/L
 RT: 14.947 min Scan# 1417
 Delta R.T. -0.000 min
 Lab File: VG190921A04.D
 Acq: 21 Sep 2019 9:24

Tgt Ion:180	Resp:	88532
Ion Ratio	Lower	Upper
180 100		
182 92.9	77.0	115.4
145 26.9	24.1	36.1

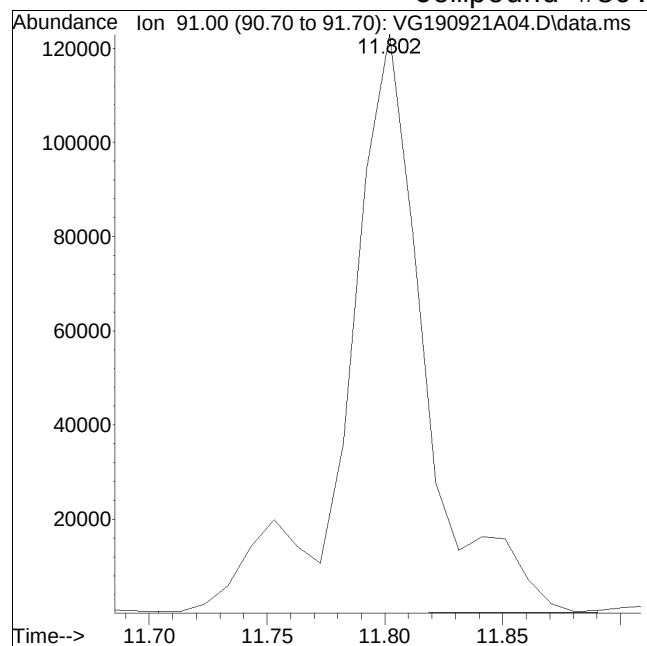


Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2019\190
Data File : VG190921A04.D
Date Inj'd : 9/21/2019 9:24
Sample : WG1287487-4,31,10,10

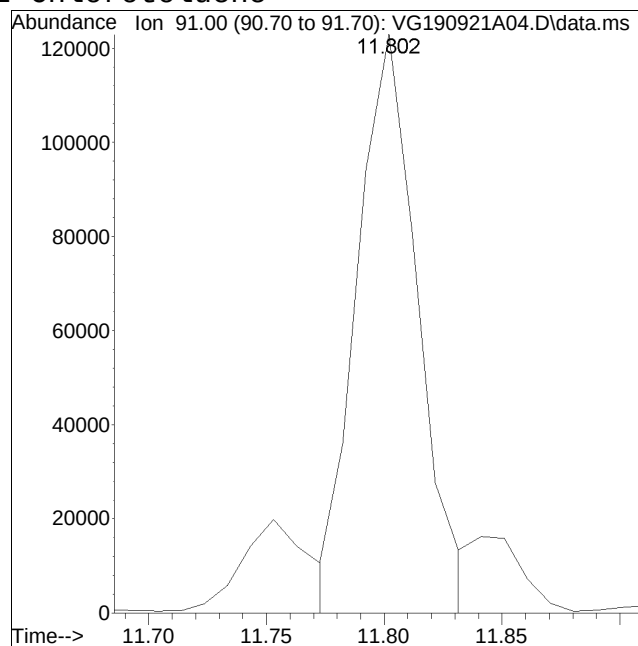
Method : G_190913_8260.m
Operator : GONZO:PD
Instrument : Gonzo
Quant Date : 9/21/2019 10:34 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 283828

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



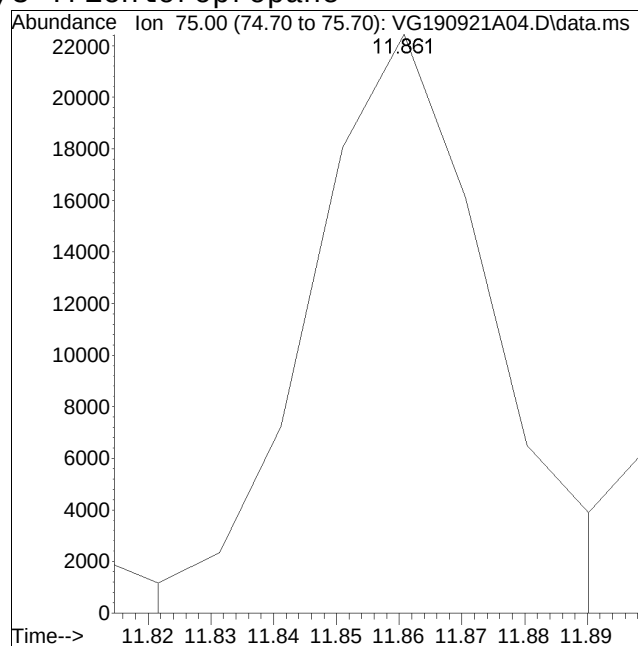
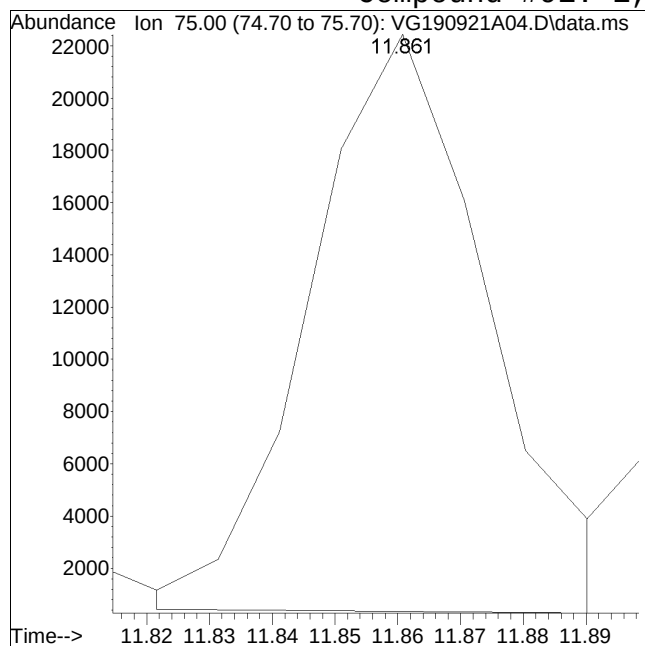
Manual Peak Response = 220683 M1

Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2019\190
Data File : VG190921A04.D
Date Inj'd : 9/21/2019 9:24
Sample : WG1287487-4,31,10,10

Method : G_190913_8260.m
Operator : GONZO:PD
Instrument : Gonzo
Quant Date : 9/21/2019 10:34 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 43506

Manual Peak Response = 45001 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A03.D
 Acq On : 23 Sep 2019 7:12
 Operator : VOA108:PD
 Sample : WG1287429-4,31,10,10
 Misc : WG1287429,ICAL16150
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 23 07:35:01 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190923A\V08190923A02.D
 Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.512	96	172992	10.000	ug/L	0.00
Standard Area 1 = 177933			Recovery =	97.22%		
59) Chlorobenzene-d5	8.504	117	124907	10.000	ug/L	0.00
Standard Area 1 = 123701			Recovery =	100.97%		
79) 1,4-Dichlorobenzene-d4	9.987	152	62206	10.000	ug/L	0.00
Standard Area 1 = 59279			Recovery =	104.94%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.530	113	42018	9.612	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.12%		
43) 1,2-Dichloroethane-d4	5.166	65	52476	9.612	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.12%		
60) Toluene-d8	7.207	98	168092	10.093	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.93%		
83) 4-Bromofluorobenzene	9.321	95	60675	9.741	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.41%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.963	85	33259	7.928	ug/L	99
3) Chloromethane	1.083	50	39074	7.988	ug/L	99
4) Vinyl chloride	1.136	62	44743	8.772	ug/L	98
5) Bromomethane	1.343	94	24289M1	6.644	ug/L	
6) Chloroethane	1.424	64	28255M1	8.528	ug/L	
7) Trichlorofluoromethane	1.521	101	56990M1	8.125	ug/L	
8) Ethyl ether	1.761	74	20105M1	9.691	ug/L	
10) 1,1-Dichloroethene	1.892	96	31569M1	8.648	ug/L	
11) Carbon disulfide	1.898	76	100405	8.704	ug/L	97
15) Methylene chloride	2.380	84	38353M1	8.848	ug/L	
17) Acetone	2.433	43	8821	9.853	ug/L	99
18) trans-1,2-Dichloroethene	2.528	96	36343M1	9.152	ug/L	
20) Methyl tert-butyl ether	2.653	73	95573M1	8.770	ug/L	
23) 1,1-Dichloroethane	3.166	63	75832M1	9.215	ug/L	
25) Acrylonitrile	3.231	53	11290M1	10.235	ug/L	
27) Vinyl acetate	3.535	43	88219M1	10.082	ug/L	
28) cis-1,2-Dichloroethene	3.858	96	42253M1	9.375	ug/L	
29) 2,2-Dichloropropane	3.992	77	54475M1	8.803	ug/L	
30) Bromochloromethane	4.134	128	19371M1	9.457	ug/L	
32) Chloroform	4.290	83	70428M1	8.756	ug/L	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A03.D
 Acq On : 23 Sep 2019 7:12
 Operator : VOA108:PD
 Sample : WG1287429-4,31,10,10
 Misc : WG1287429,ICAL16150
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 23 07:35:01 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190923A\V08190923A02.D
 Sub List : 8260-CurvePenta - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34)	Carbon tetrachloride	4.410	117	46293	8.183	ug/L	99
37)	1,1,1-Trichloroethane	4.508	97	60973M1	8.582	ug/L	
39)	2-Butanone	4.714	43	13705	10.217	ug/L #	83
40)	1,1-Dichloropropene	4.681	75	51654M1	9.101	ug/L	
41)	Benzene	4.990	78	152441	8.643	ug/L	92
44)	1,2-Dichloroethane	5.250	62	57388M1	8.737	ug/L	
48)	Trichloroethene	5.707	95	40475M1	8.509	ug/L	
50)	Dibromomethane	6.153	93	23632M1	8.844	ug/L	
51)	1,2-Dichloropropane	6.262	63	42643	9.093	ug/L	96
54)	Bromodichloromethane	6.373	83	56329	8.644	ug/L	97
57)	1,4-Dioxane	6.594	88	15290	664.835	ug/L #	79
58)	cis-1,3-Dichloropropene	7.029	75	64308	8.743	ug/L	93
61)	Toluene	7.255	92	97284	8.834	ug/L	95
62)	4-Methyl-2-pentanone	7.659	58	12990	9.496	ug/L #	98
63)	Tetrachloroethene	7.612	166	39499	8.499	ug/L	91
65)	trans-1,3-Dichloropropene	7.681	75	54656	8.622	ug/L	98
68)	1,1,2-Trichloroethane	7.809	83	28239	9.149	ug/L	95
69)	Chlorodibromomethane	7.943	129	39819	8.869	ug/L	96
70)	1,3-Dichloropropane	8.021	76	58019	9.089	ug/L	98
71)	1,2-Dibromoethane	8.102	107	31870	8.852	ug/L	98
72)	2-Hexanone	8.342	43	21445	9.177	ug/L	95
73)	Chlorobenzene	8.515	112	106561	8.770	ug/L	92
74)	Ethylbenzene	8.554	91	186592	8.862	ug/L	100
75)	1,1,1,2-Tetrachloroethane	8.574	131	37500	8.448	ug/L	95
76)	p/m Xylene	8.660	106	142739	17.868	ug/L	96
77)	o Xylene	8.944	106	136862	17.826	ug/L	92
78)	Styrene	8.981	104	229748	18.026	ug/L	91
80)	Bromoform	8.986	173	24081	8.548	ug/L	95
82)	Isopropylbenzene	9.154	105	181798	8.654	ug/L	98
84)	Bromobenzene	9.377	156	43485	8.515	ug/L	99
85)	n-Propylbenzene	9.410	91	216350	8.908	ug/L	98
87)	1,1,2,2-Tetrachloroethane	9.463	83	39845	8.992	ug/L	100
88)	4-Ethyltoluene	9.480	105	168985	8.752	ug/L	98
89)	2-Chlorotoluene	9.494	91	146366	8.827	ug/L	98
90)	1,3,5-Trimethylbenzene	9.536	105	146722	8.682	ug/L	92
91)	1,2,3-Trichloropropane	9.533	75	31990	9.524	ug/L	99
92)	trans-1,4-Dichloro-2-b...	9.566	53	10780M1	9.410	ug/L	
93)	4-Chlorotoluene	9.597	91	131080	8.754	ug/L	96
94)	tert-Butylbenzene	9.722	119	146863	8.671	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A03.D
 Acq On : 23 Sep 2019 7:12
 Operator : VOA108:PD
 Sample : WG1287429-4,31,10,10
 Misc : WG1287429,ICAL16150
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 23 07:35:01 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190923A\V08190923A02.D
 Sub List : 8260-CurvePenta - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

97)	1,2,4-Trimethylbenzene	9.764	105	143416	8.549	ug/L	94
98)	sec-Butylbenzene	9.826	105	176141	8.813	ug/L	99
99)	p-Isopropyltoluene	9.912	119	154820	8.679	ug/L	96
100)	1,3-Dichlorobenzene	9.943	146	80972	8.570	ug/L	99
101)	1,4-Dichlorobenzene	9.996	146	83913	8.635	ug/L	99
102)	p-Diethylbenzene	10.121	119	86560	8.494	ug/L	94
103)	n-Butylbenzene	10.155	91	144382	8.801	ug/L	98
104)	1,2-Dichlorobenzene	10.236	146	78186	8.719	ug/L	97
105)	1,2,4,5-Tetramethylben...	10.579	119	128014	8.275	ug/L	98
106)	1,2-Dibromo-3-chloropr...	10.693	155	5741	9.087	ug/L	93
108)	Hexachlorobutadiene	11.053	225	23653	8.077	ug/L	97
109)	1,2,4-Trichlorobenzene	11.069	180	50066	7.909	ug/L	99
110)	Naphthalene	11.248	128	112694	8.310	ug/L	100
111)	1,2,3-Trichlorobenzene	11.351	180	46430	8.070	ug/L	99

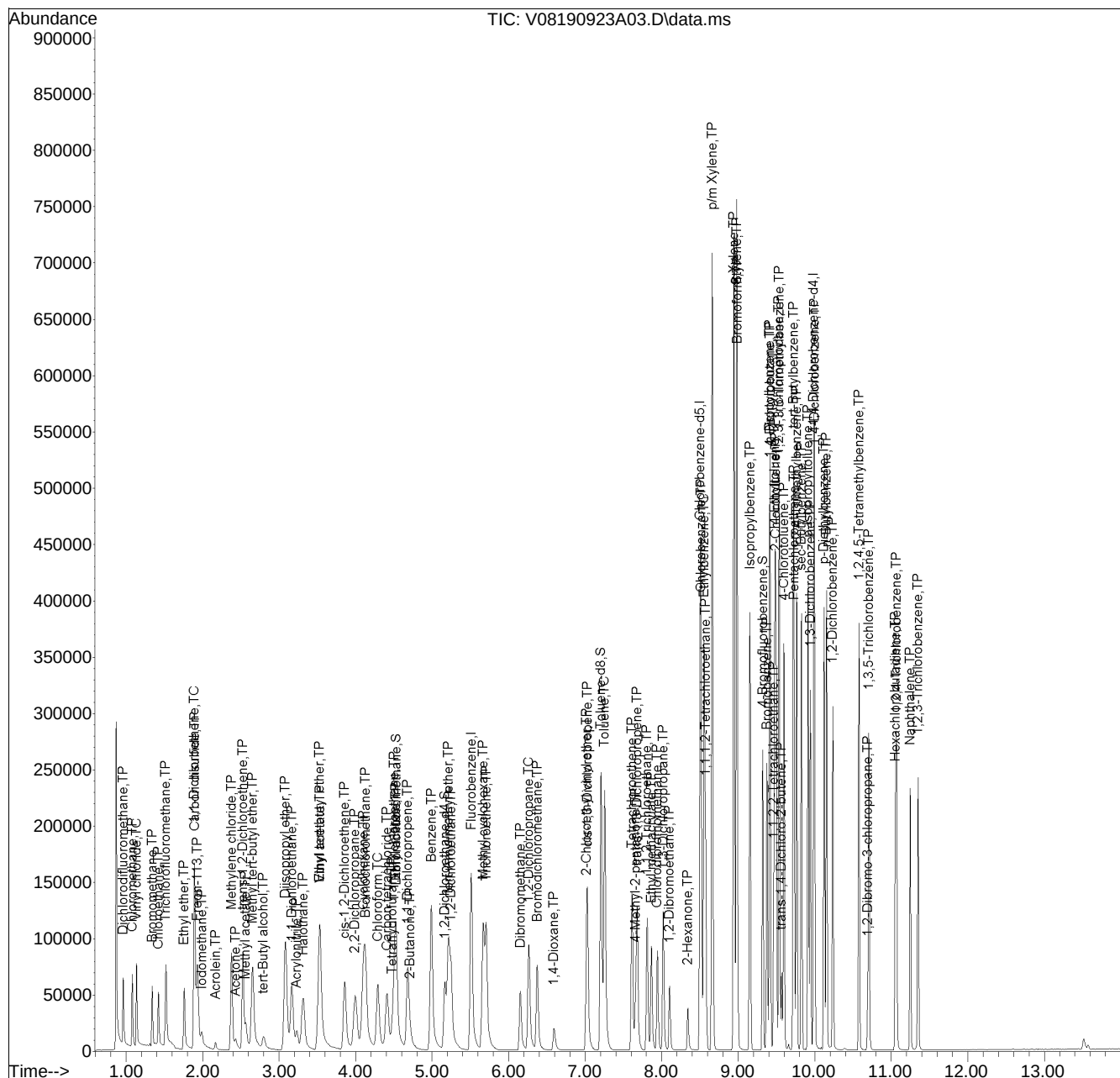
(#) = qualifier out of range (m) = manual integration (+) = signals summed

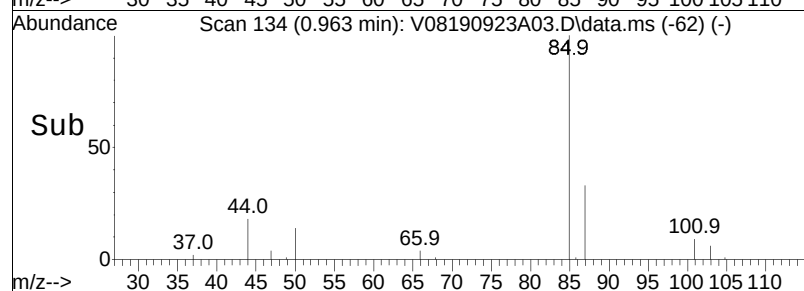
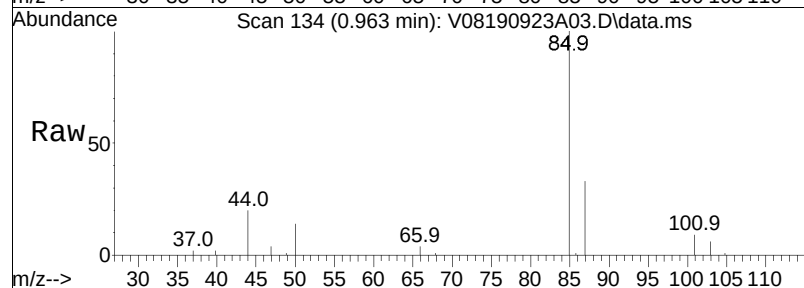
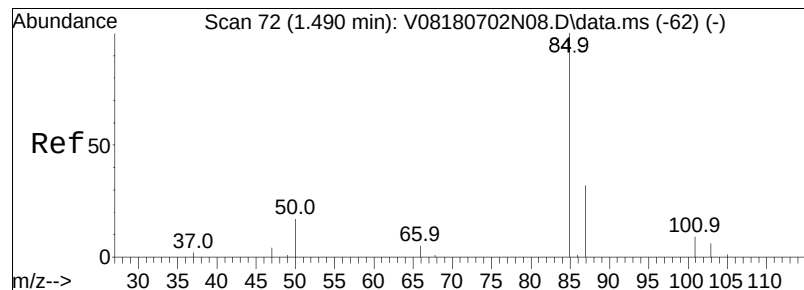
(QT Reviewed)

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Data Path   : I:\VOLATILES\VOA108\2019\190923A\  
Data File   : V08190923A03.D  
Acq On      : 23 Sep 2019    7:12  
Operator    : VOA108:PD  
Sample      : WG1287429-4, 31, 10, 10  
Misc        : WG1287429, ICAL16150  
ALS Vial    : 3      Sample Multiplier: 1
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Quant Time: Sep 23 07:35:01 2019
Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 20 10:28:56 2019
Response via : Initial Calibration

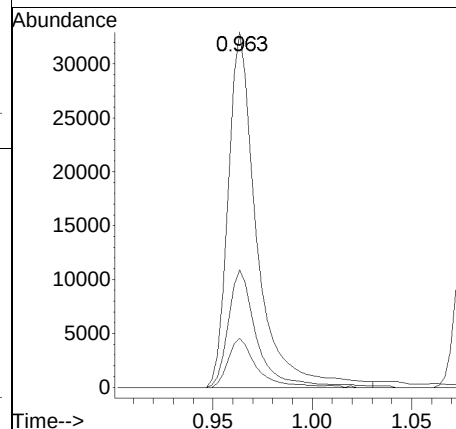
Sub List : 8260-CurvePenta - All compounds listed08190923A02.D•

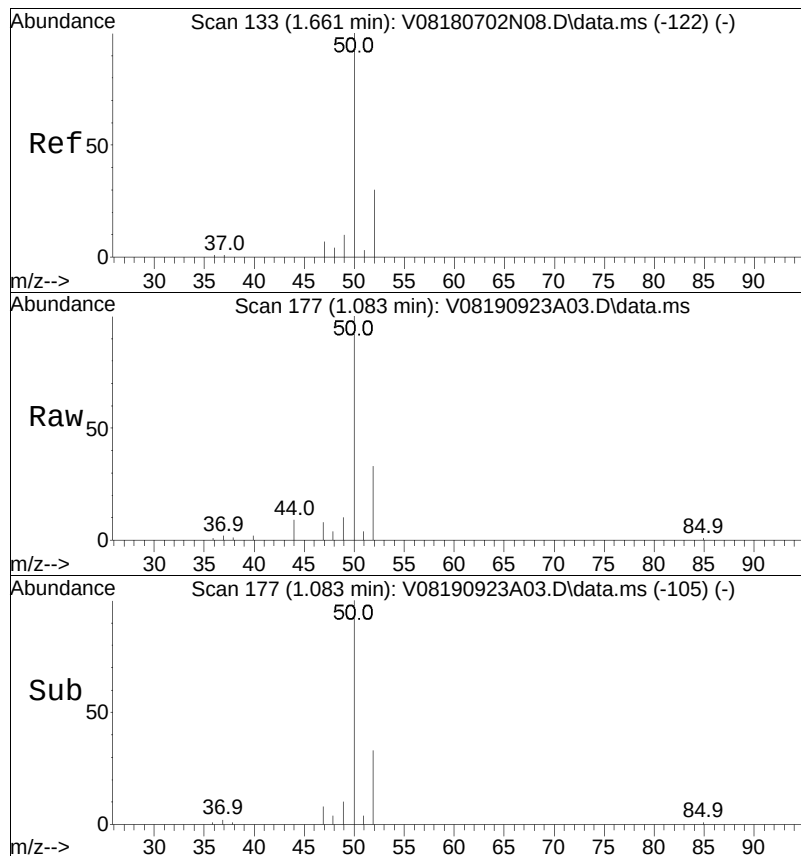




#2
 Dichlorodifluoromethane
 Concen: 7.93 ug/L
 RT: 0.963 min Scan# 134
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

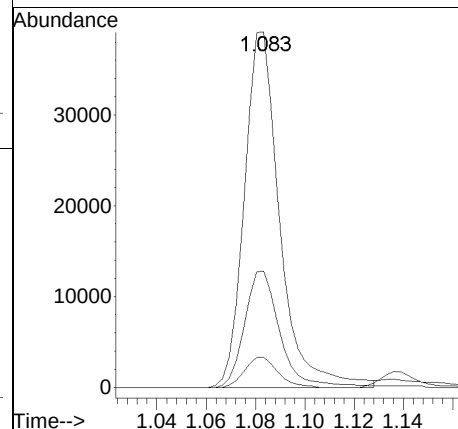
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	33259		
87	33.2		21.0	43.6
50	13.6		8.9	18.5

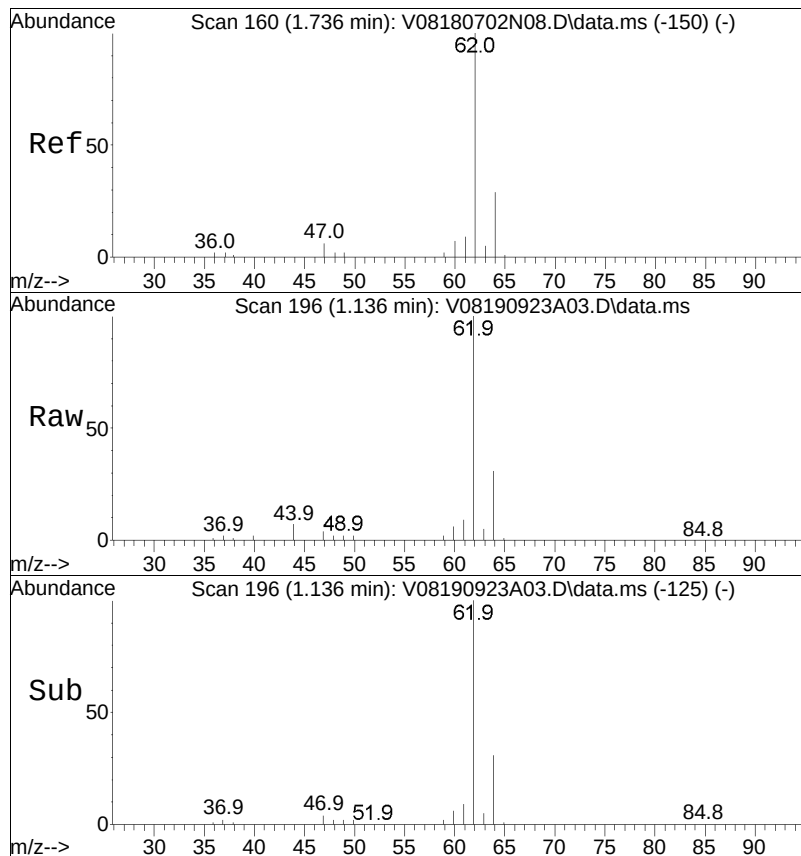




#3
 Chloromethane
 Concen: 7.99 ug/L
 RT: 1.083 min Scan# 177
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

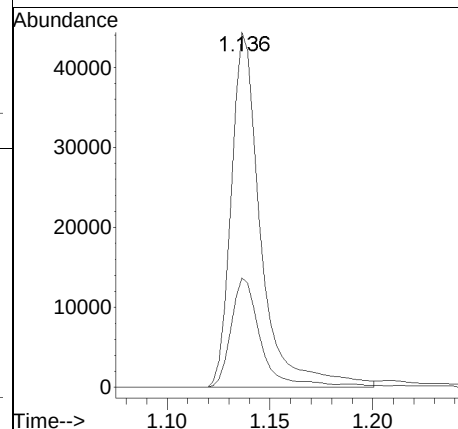
Tgt Ion:	50	Resp:	39074
Ion Ratio	Lower	Upper	
50	100		
52	32.7	12.9	52.9
47	7.9	0.0	28.3

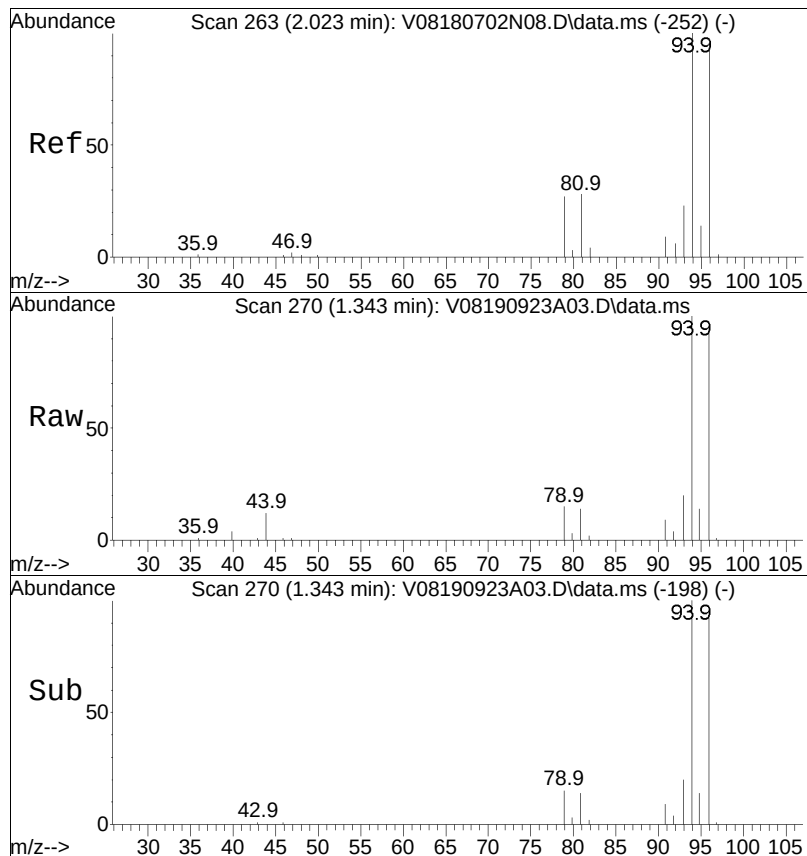




#4
 Vinyl chloride
 Concen: 8.77 ug/L
 RT: 1.136 min Scan# 196
 Delta R.T. -0.003 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

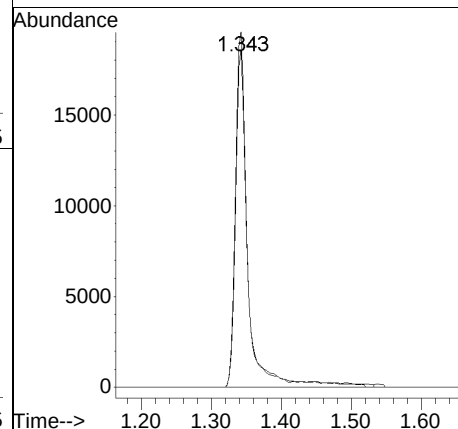
Tgt Ion	Ratio	Lower	Upper
62	100		
64	30.4	9.1	49.1

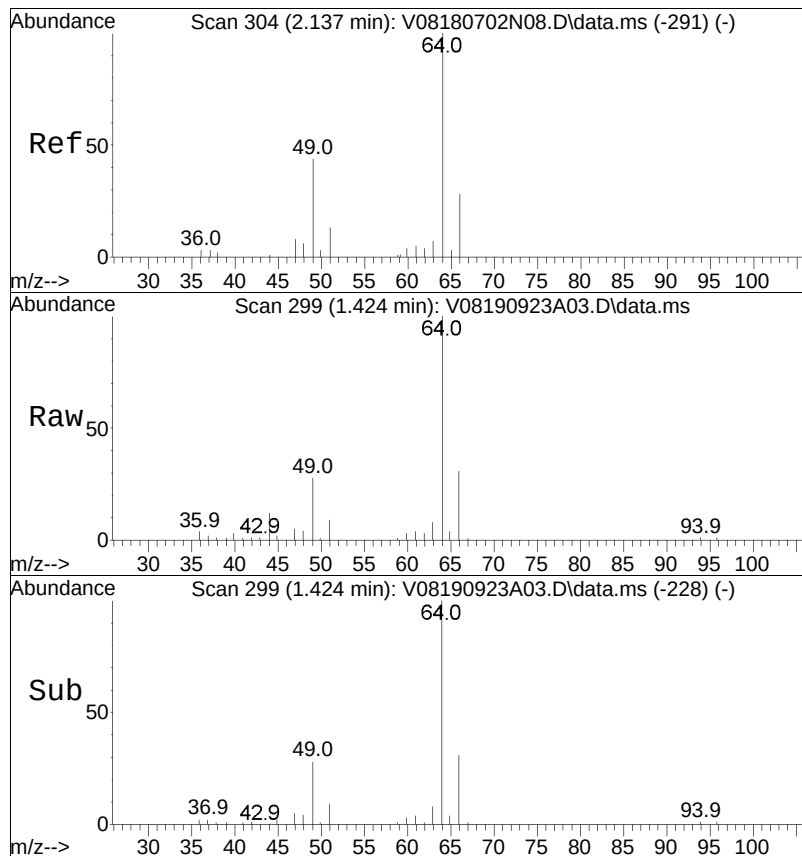




#5
 Bromomethane
 Concen: 6.64 ug/L M1
 RT: 1.343 min Scan# 270
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

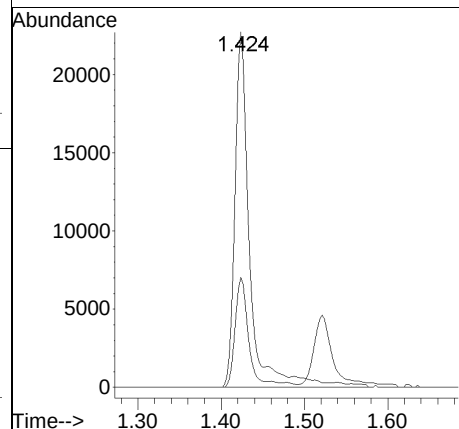
Tgt Ion: 94 Resp: 24289
 Ion Ratio Lower Upper
 94 100
 96 89.5 75.6 115.6

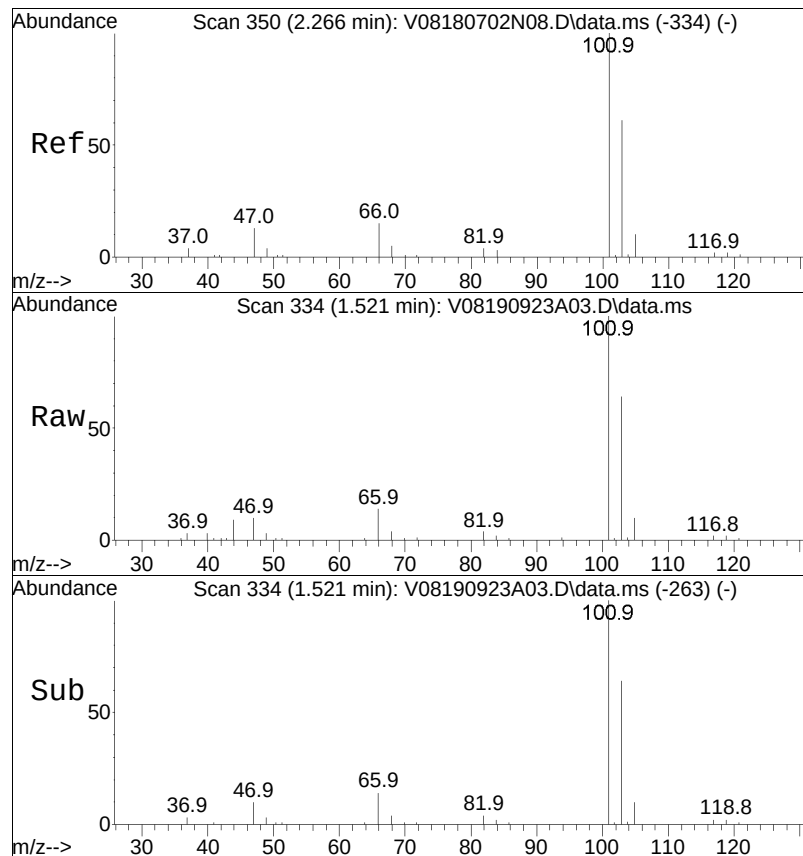




#6
 Chloroethane
 Concen: 8.53 ug/L M1
 RT: 1.424 min Scan# 299
 Delta R.T. -0.003 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

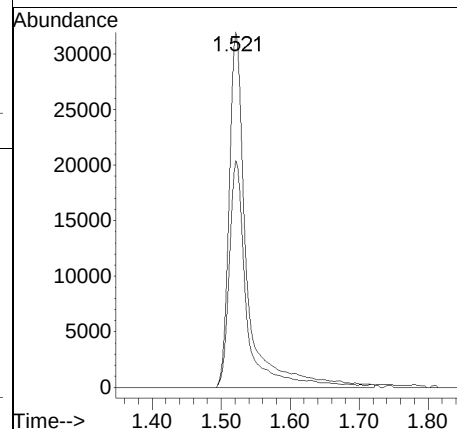
Tgt Ion:	64	Resp:	28255
Ion Ratio	Lower	Upper	
64	100		
66	26.8	9.8	49.8

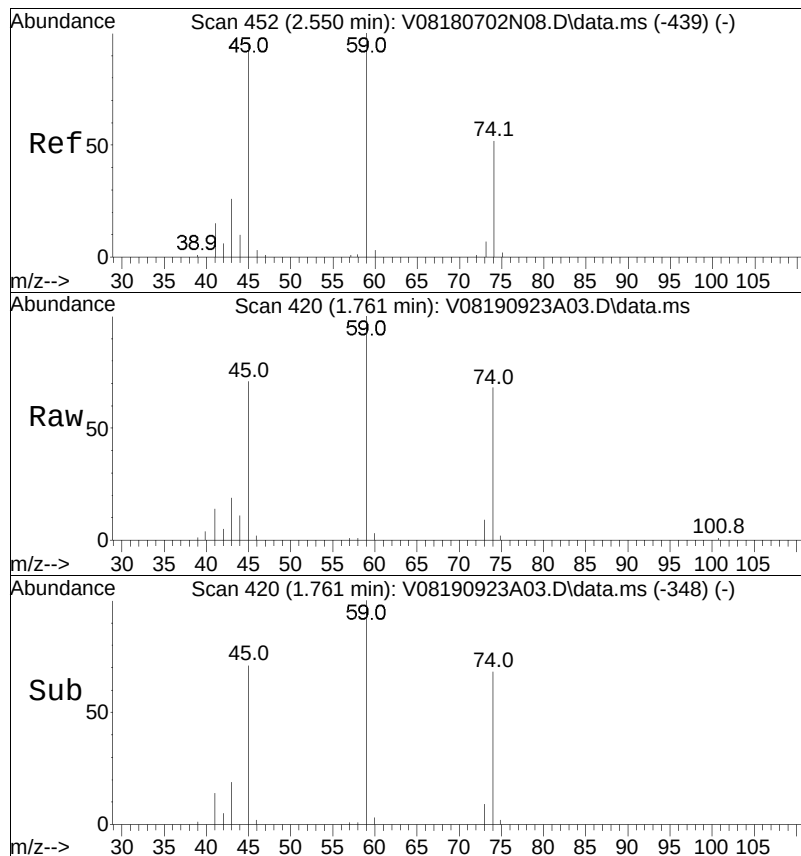




#7
 Trichlorofluoromethane
 Concen: 8.12 ug/L M1
 RT: 1.521 min Scan# 334
 Delta R.T. -0.003 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

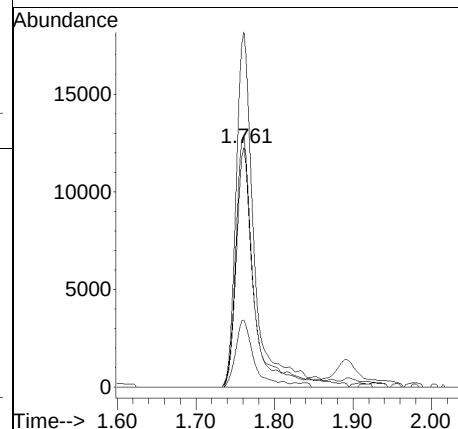
Tgt Ion	Ratio	Lower	Upper
101	100		
103	60.9	53.8	80.6

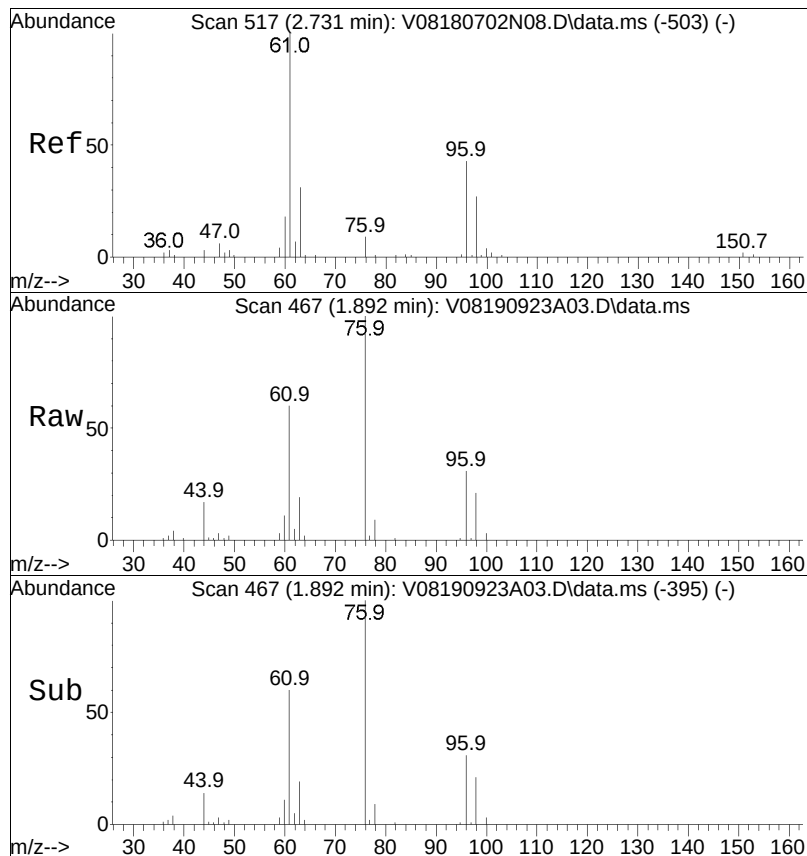




#8
 Ethyl ether
 Concen: 9.69 ug/L M1
 RT: 1.761 min Scan# 420
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

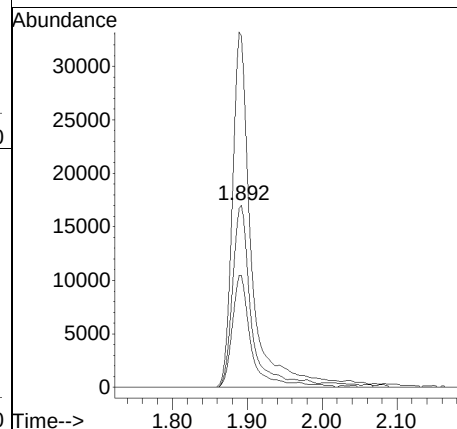
Tgt Ion:	74	Resp:	20105
Ion Ratio	Lower	Upper	
74	100		
59	140.3	122.2	253.8
45	95.7	91.9	190.9
43	27.0	25.2	52.2

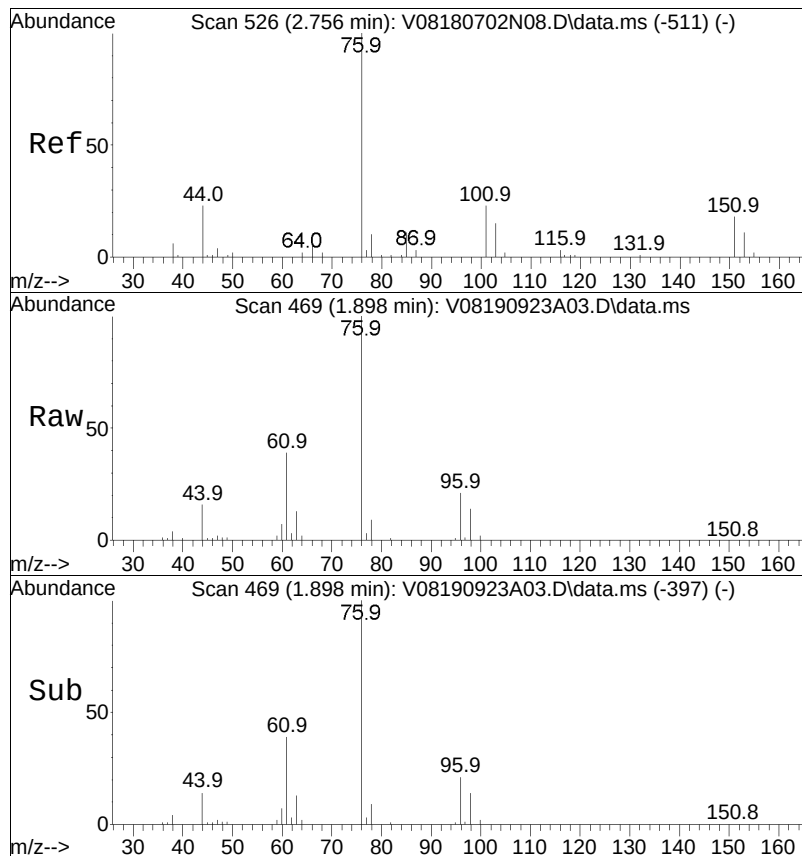




#10
 1,1-Dichloroethene
 Concen: 8.65 ug/L M1
 RT: 1.892 min Scan# 467
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

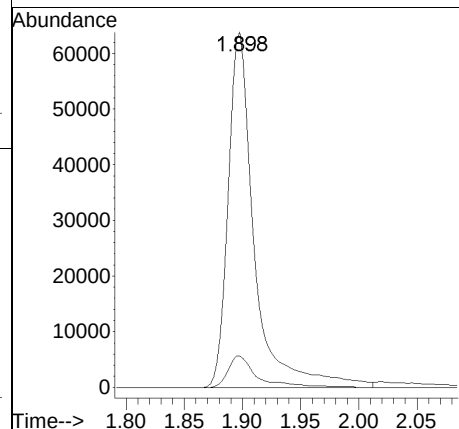
Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	184.0	31569	186.1	279.1#
63	55.9		57.6	86.4#

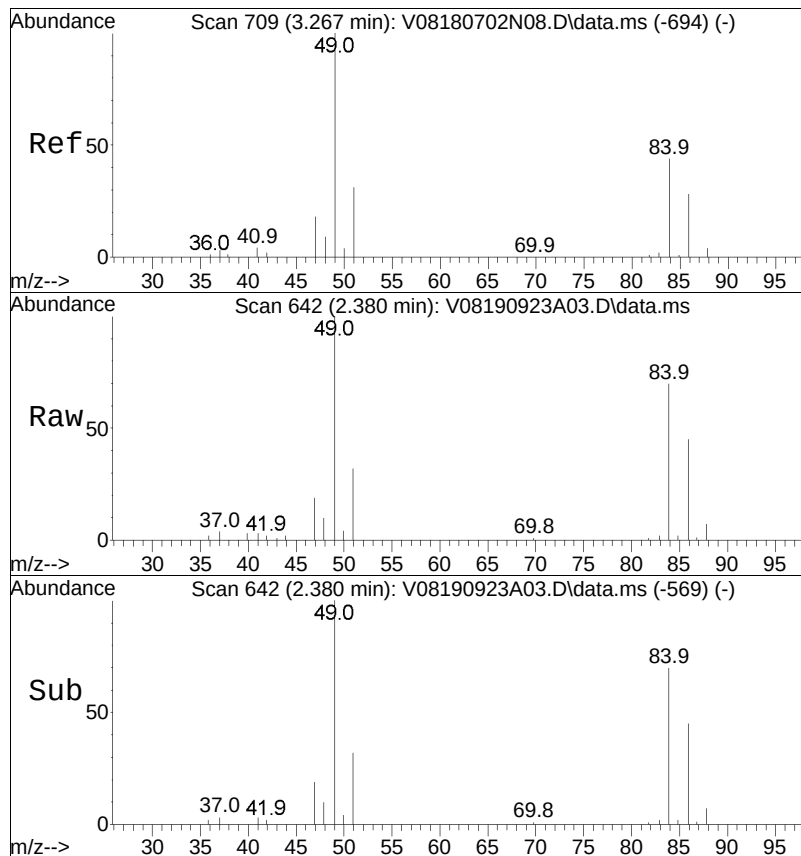




#11
Carbon disulfide
Concen: 8.70 ug/L
RT: 1.898 min Scan# 469
Delta R.T. 0.000 min
Lab File: V08190923A03.D
Acq: 23 Sep 2019 7:12

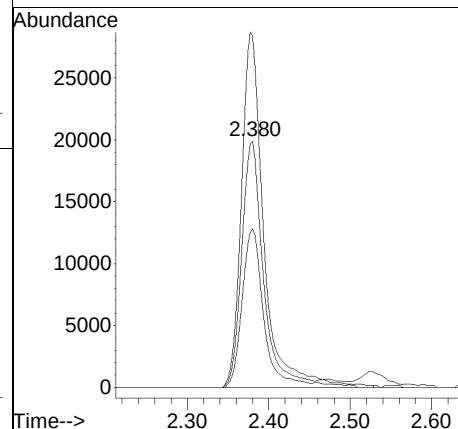
Tgt Ion:	76	78	Ratio	100	9.7	Resp:	100405	Lower	Upper

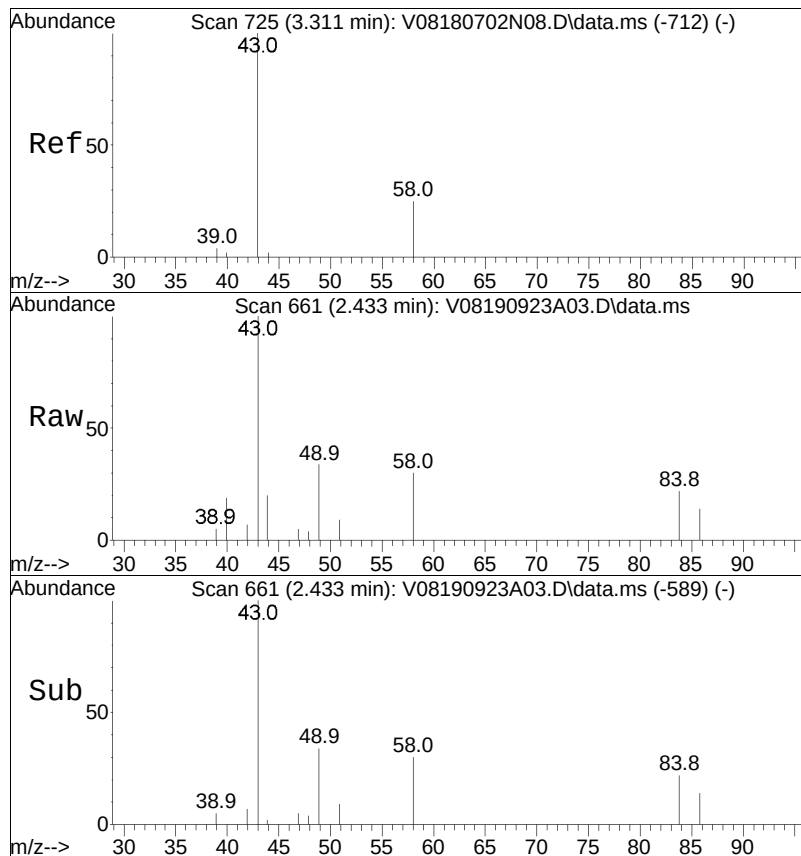




#15
Methylene chloride
Concen: 8.85 ug/L M1
RT: 2.380 min Scan# 642
Delta R.T. 0.003 min
Lab File: V08190923A03.D
Acq: 23 Sep 2019 7:12

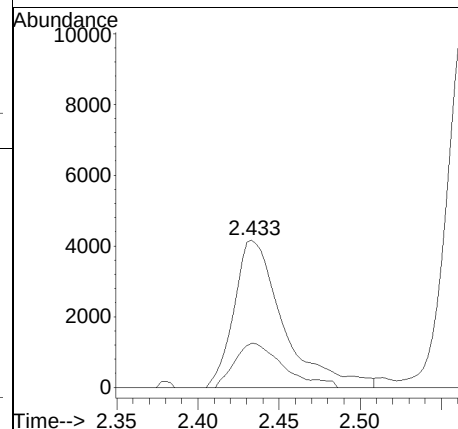
Tgt Ion:	84	Resp:	38353
Ion Ratio	Lower	Upper	
84	100		
86	61.2	40.4	83.8
49	137.7	120.0	249.2

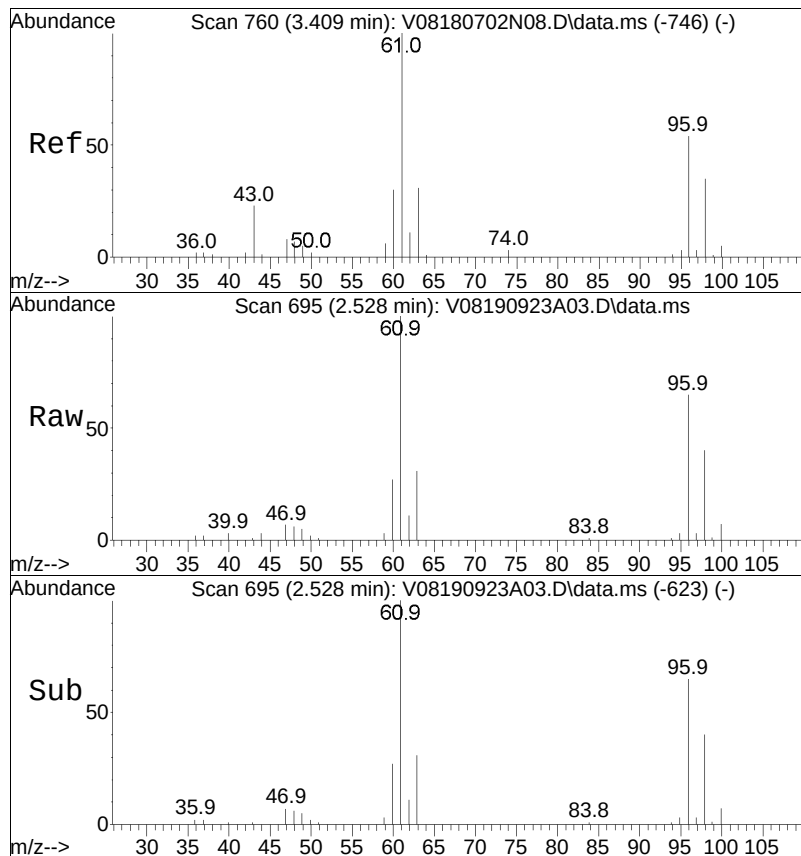




#17
 Acetone
 Concen: 9.85 ug/L
 RT: 2.433 min Scan# 661
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

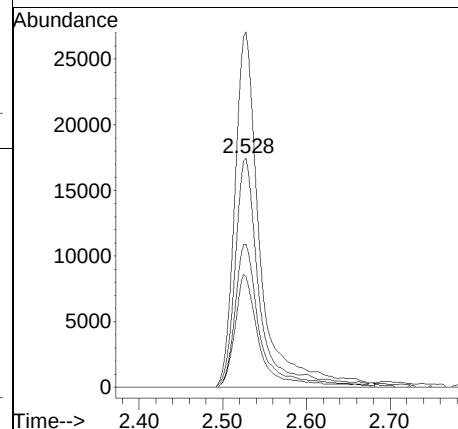
Tgt Ion:	43	58	Ratio	100	29.6	Resp:	8821	Lower	Upper
Ion	43	58	Ratio	100	29.6	Resp:	8821	Lower	Upper
								24.2	36.4

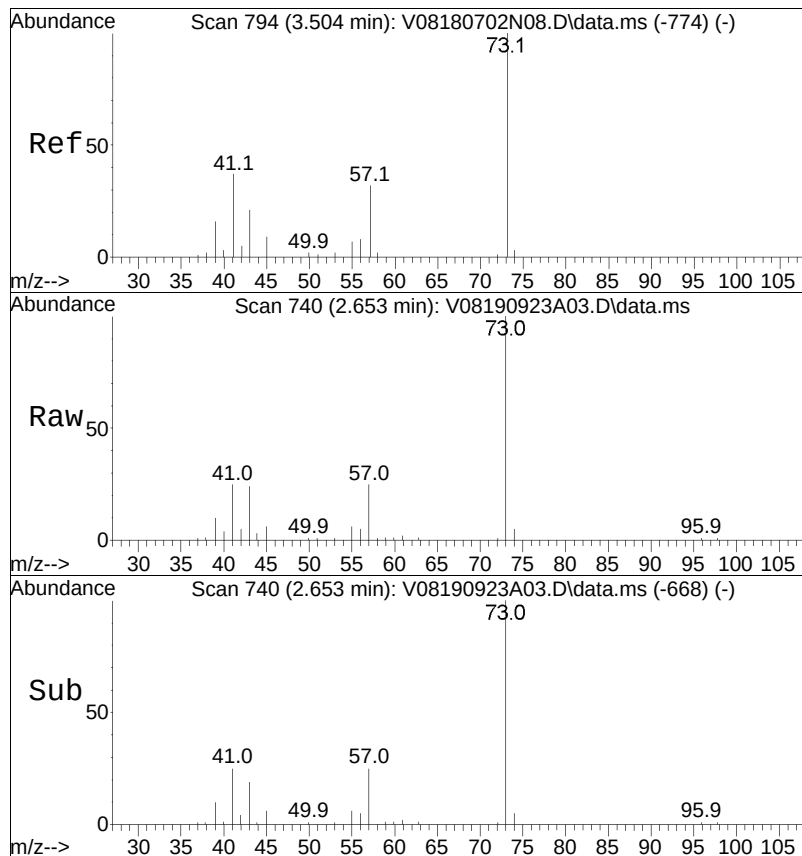




#18
 trans-1,2-Dichloroethene
 Concen: 9.15 ug/L M1
 RT: 2.528 min Scan# 695
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

Tgt Ion:	96	Resp:	36343
Ion Ratio	Lower	Upper	
96	100		
61	154.1	124.0	257.6
98	62.8	41.2	85.6
63	46.5	38.4	79.7





#20

Methyl tert-butyl ether

Concen: 8.77 ug/L M1

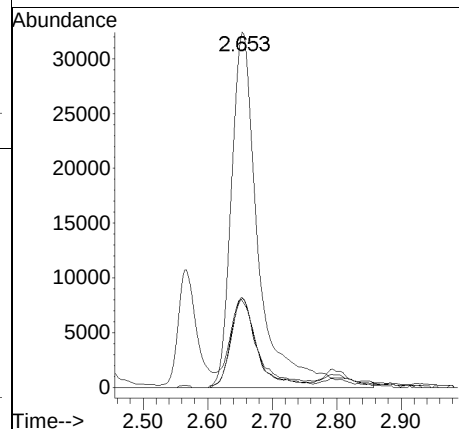
RT: 2.653 min Scan# 740

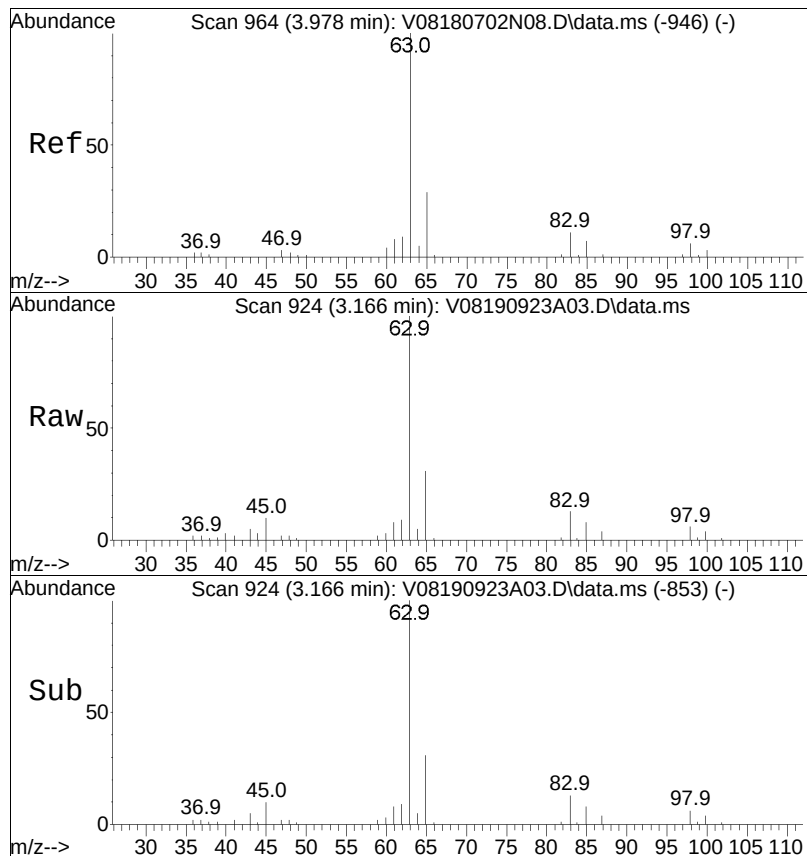
Delta R.T. 0.000 min

Lab File: V08190923A03.D

Acq: 23 Sep 2019 7:12

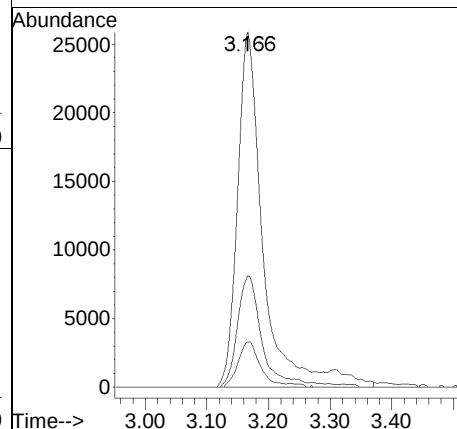
Tgt Ion:	73	Resp:	95573
Ion	Ratio	Lower	Upper
73	100		
57	23.8	17.5	36.3
43	22.1	15.3	31.9
41	22.7	15.3	31.7

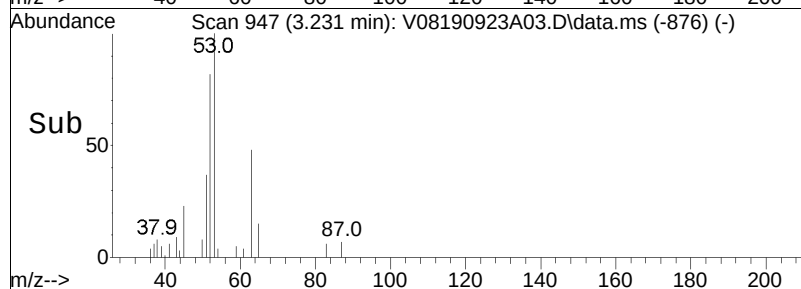
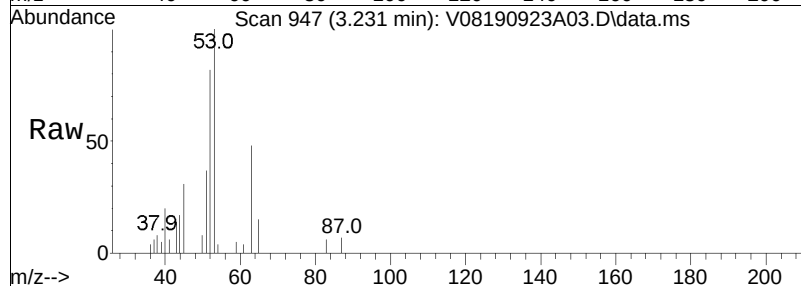
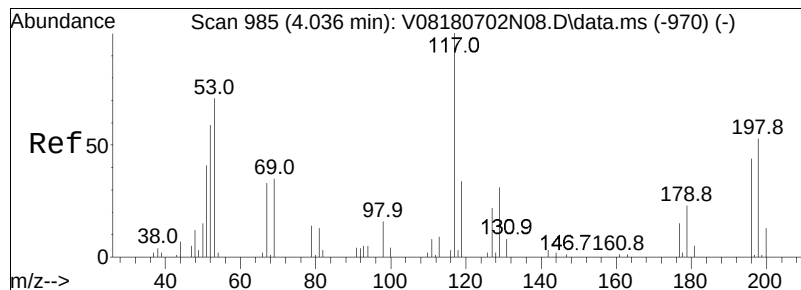




#23
 1,1-Dichloroethane
 Concen: 9.22 ug/L M1
 RT: 3.166 min Scan# 924
 Delta R.T. -0.003 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

Tgt Ion:	63	Resp:	75832
Ion Ratio	Lower	Upper	
63	100		
65	28.4	11.0	51.0
83	11.0	0.0	31.8





#25

Acrylonitrile

Concen: 10.23 ug/L M1

RT: 3.231 min Scan# 947

Delta R.T. -0.003 min

Lab File: V08190923A03.D

Acq: 23 Sep 2019 7:12

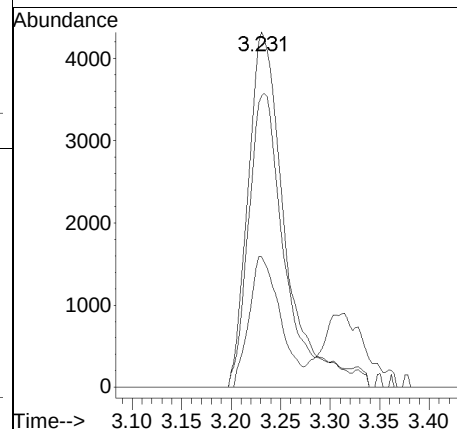
Tgt Ion: 53 Resp: 11290

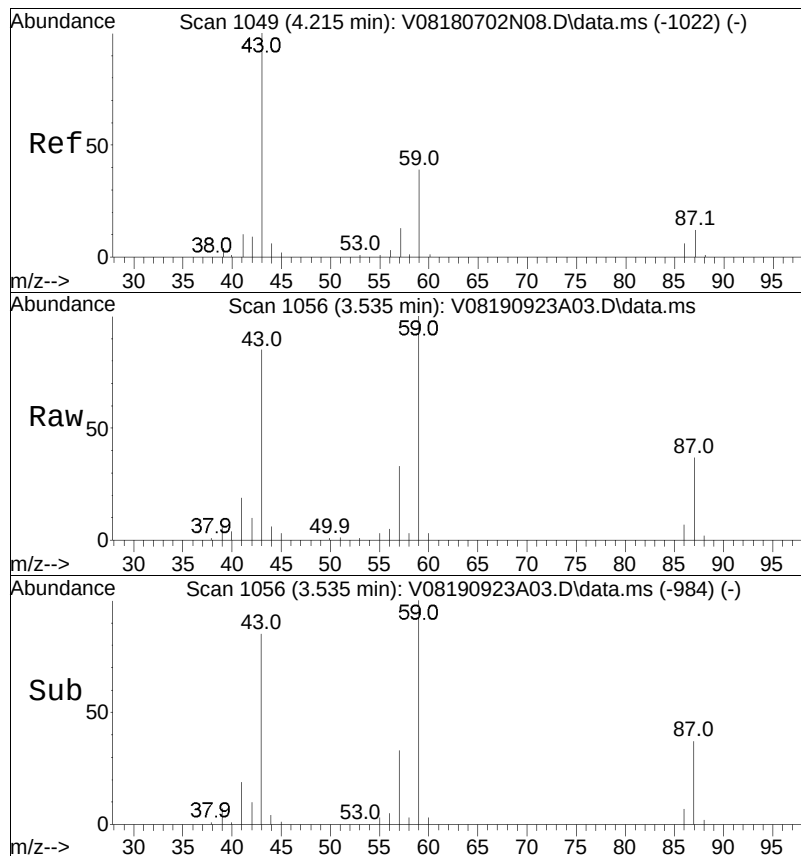
Ion Ratio Lower Upper

53 100

52 80.8 66.7 100.1

51 31.0 30.6 46.0





#27

Vinyl acetate

Concen: 10.08 ug/L M1

RT: 3.535 min Scan# 1056

Delta R.T. 0.000 min

Lab File: V08190923A03.D

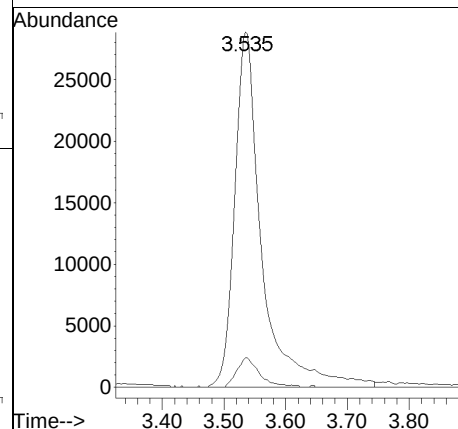
Acq: 23 Sep 2019 7:12

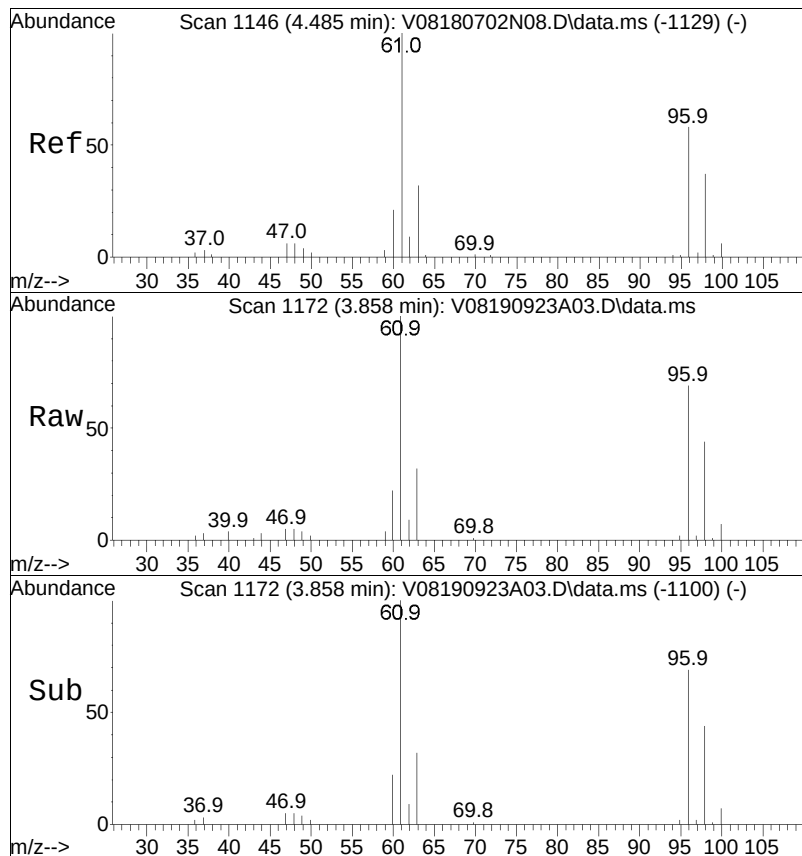
Tgt Ion: 43 Resp: 88219

Ion Ratio Lower Upper

43 100

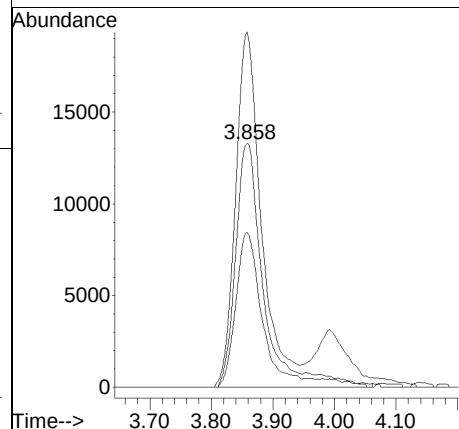
86 7.0 5.2 7.8

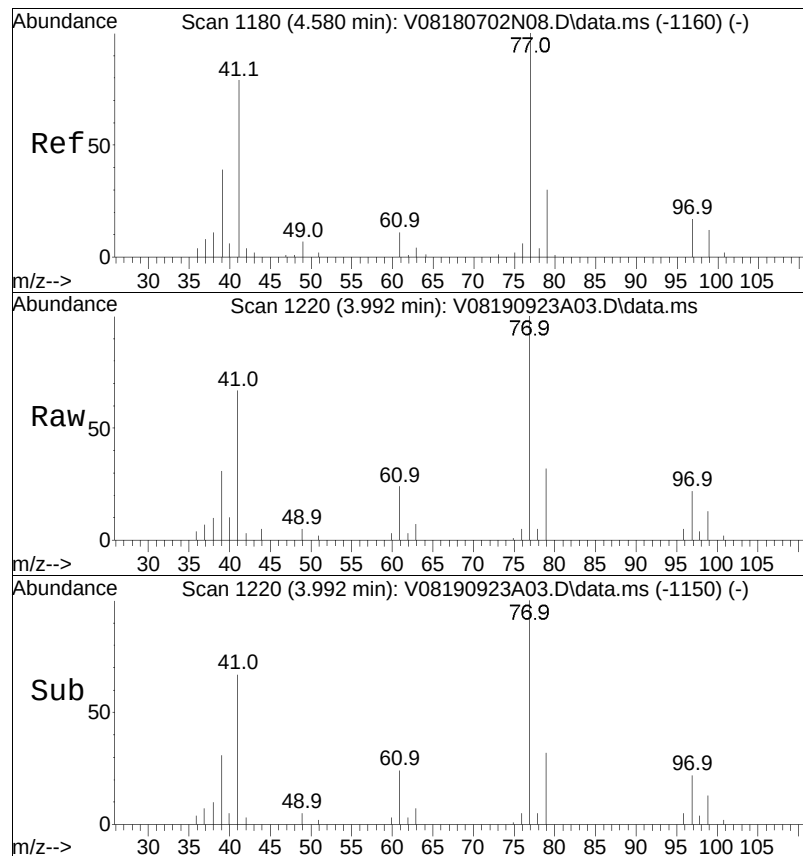




#28
 cis-1,2-Dichloroethene
 Concen: 9.38 ug/L M1
 RT: 3.858 min Scan# 1172
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

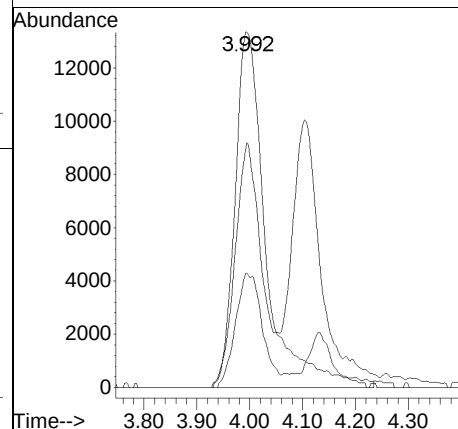
Tgt Ion:	96	Resp:	42253
Ion Ratio	Lower	Upper	
96	100		
61	133.4	149.4	224.2#
98	58.6	53.4	80.2

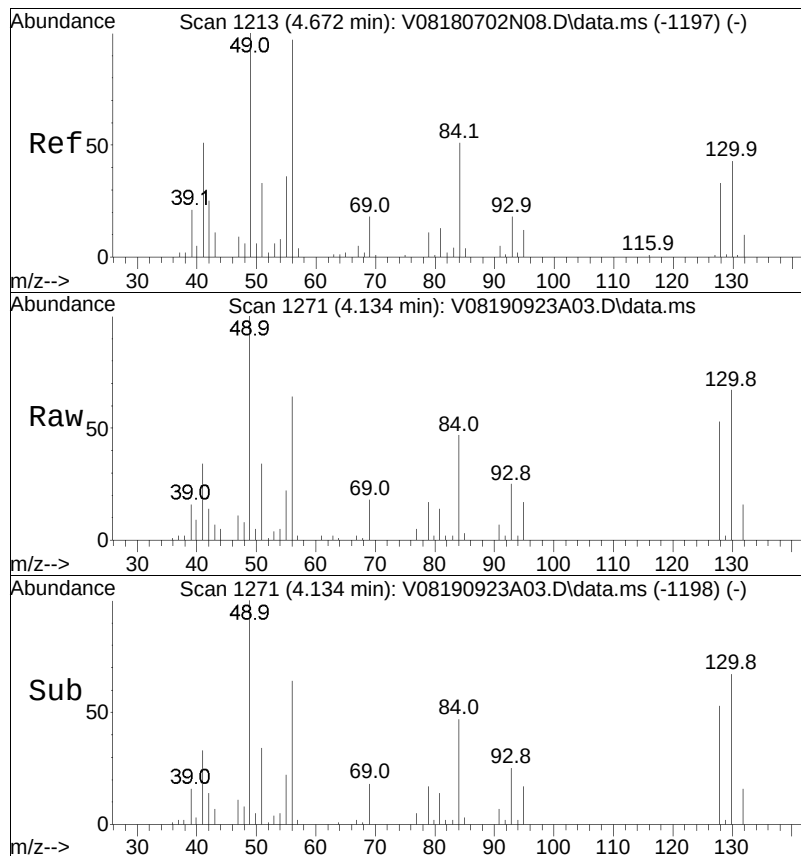




#29
 2,2-Dichloropropane
 Concen: 8.80 ug/L M1
 RT: 3.992 min Scan# 1220
 Delta R.T. -0.005 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

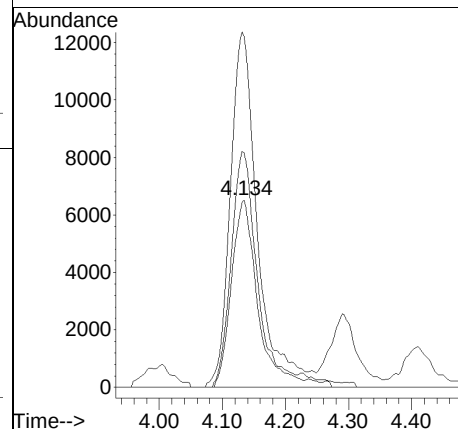
Tgt Ion:	77	Resp:	54475
Ion Ratio	Lower	Upper	
77	100		
41	56.8	38.0	78.8
79	27.9	20.5	42.5

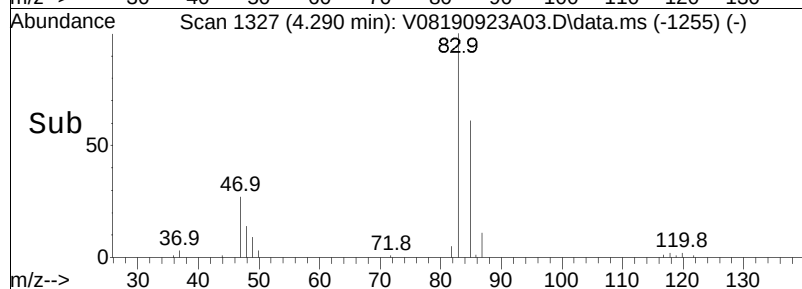
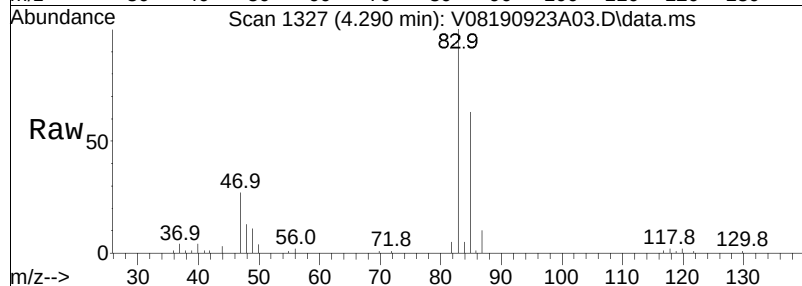
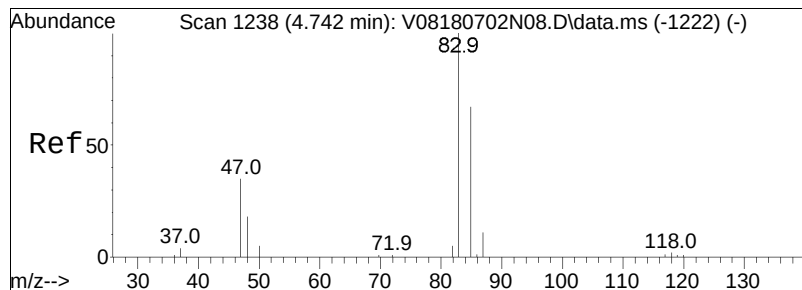




#30
 Bromochloromethane
 Concen: 9.46 ug/L M1
 RT: 4.134 min Scan# 1271
 Delta R.T. 0.003 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

Tgt Ion:	128	Resp:	19371
Ion Ratio	Lower	Upper	
128	100		
49	190.2	223.0	334.4#
130	121.8	111.4	167.0





#32

Chloroform

Concen: 8.76 ug/L M1

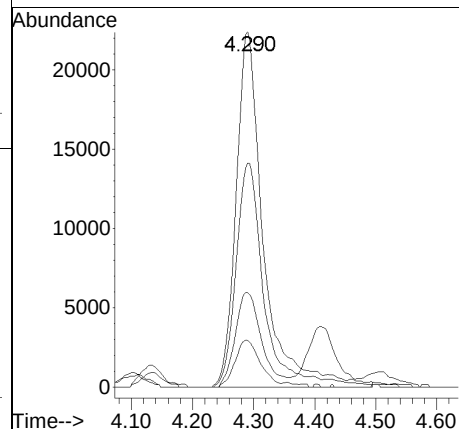
RT: 4.290 min Scan# 1327

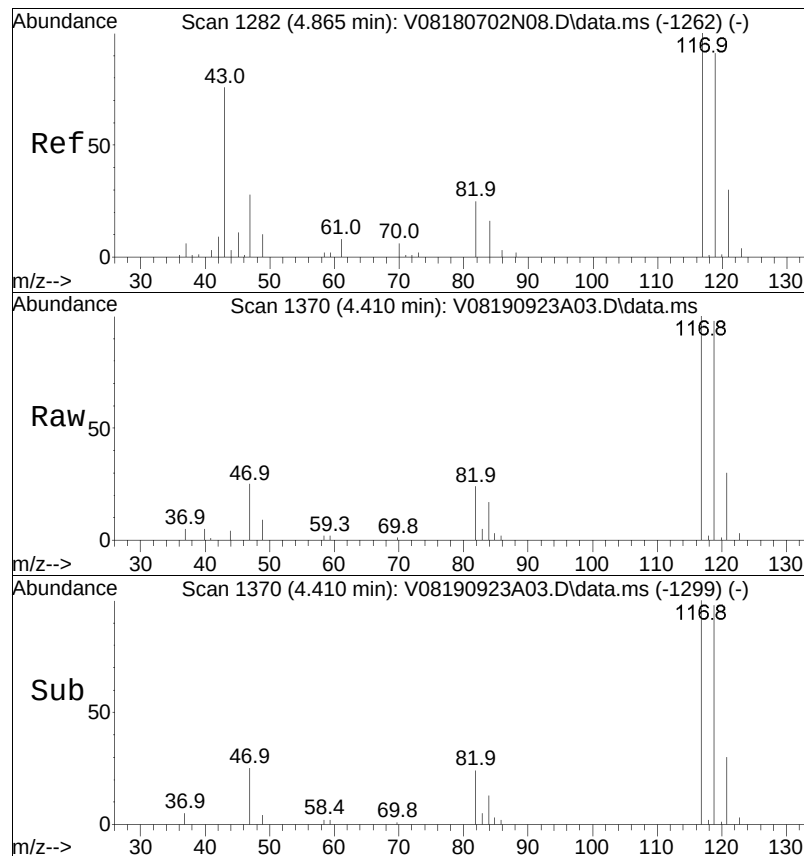
Delta R.T. 0.000 min

Lab File: V08190923A03.D

Acq: 23 Sep 2019 7:12

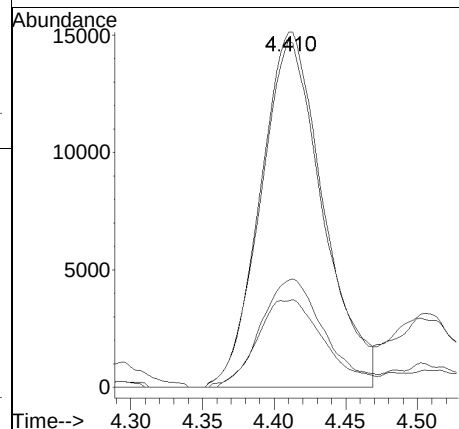
Tgt Ion:	83	Resp:	70428
Ion	Ratio	Lower	Upper
83	100		
85	61.0	41.5	86.1
47	25.8	19.0	39.4
48	12.2	9.9	20.5

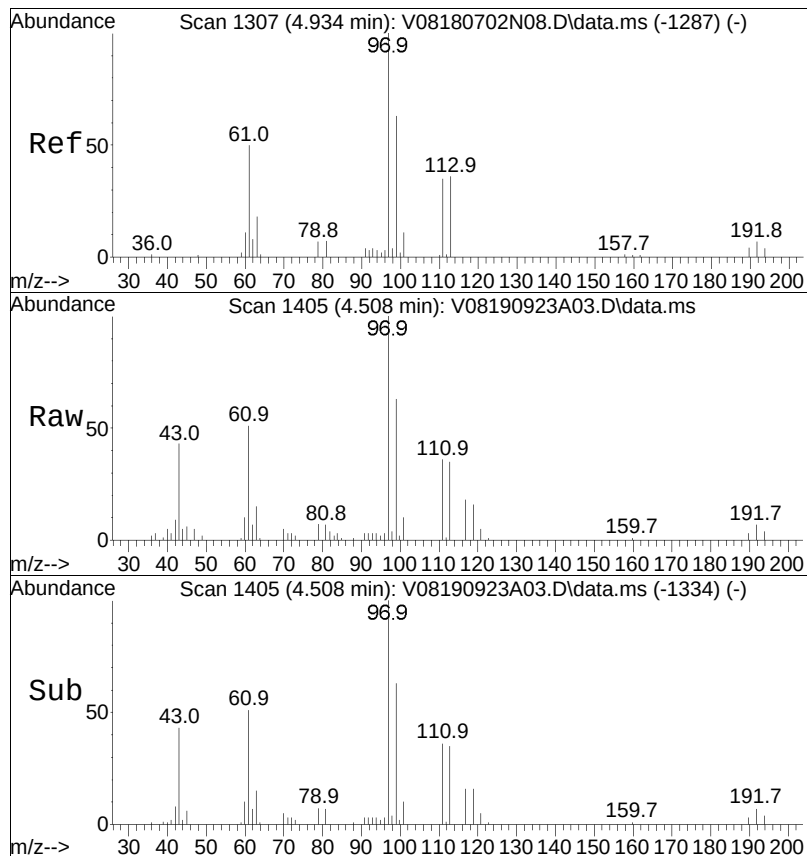




#34
 Carbon tetrachloride
 Concen: 8.18 ug/L
 RT: 4.410 min Scan# 1370
 Delta R.T. -0.003 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

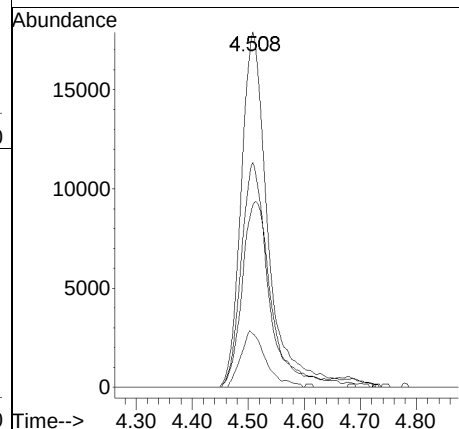
Tgt Ion:	117	Resp:	46293
Ion Ratio	Lower	Upper	
117	100		
119	97.0	62.4	129.6
121	30.9	19.5	40.5
82	26.5	17.0	35.4

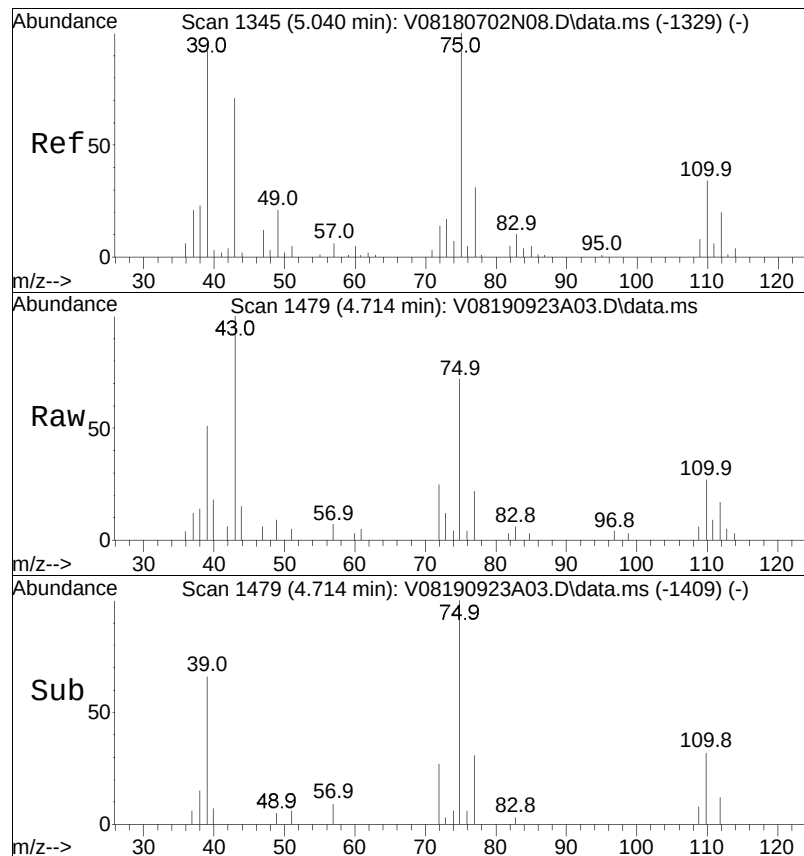




#37
 1,1,1-Trichloroethane
 Concen: 8.58 ug/L M1
 RT: 4.508 min Scan# 1405
 Delta R.T. -0.003 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

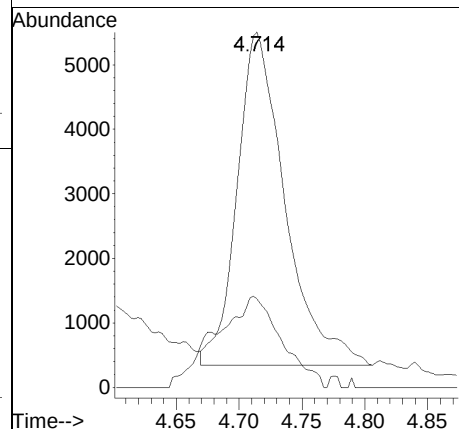
Tgt Ion:	97	Resp:	60973
Ion Ratio	Lower	Upper	
97	100		
99	60.1	40.7	84.5
61	54.8	35.4	73.4
63	13.8	5.0	10.4#

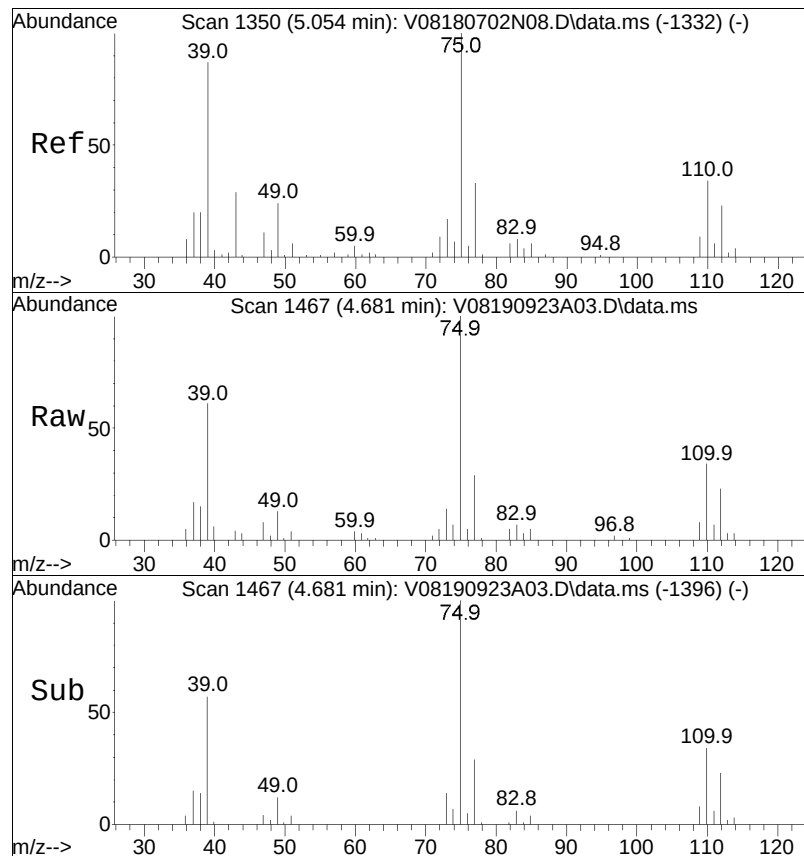




#39
 2-Butanone
 Concen: 10.22 ug/L
 RT: 4.714 min Scan# 1479
 Delta R.T. -0.006 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

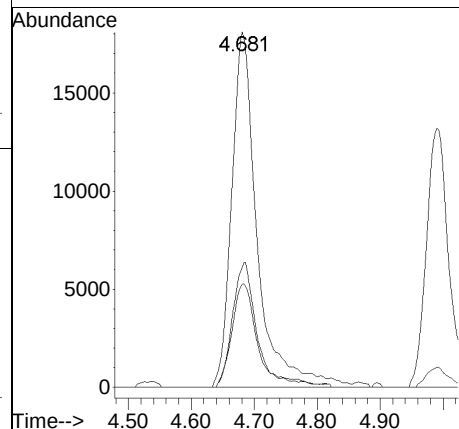
Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.4	10.9	16.3#

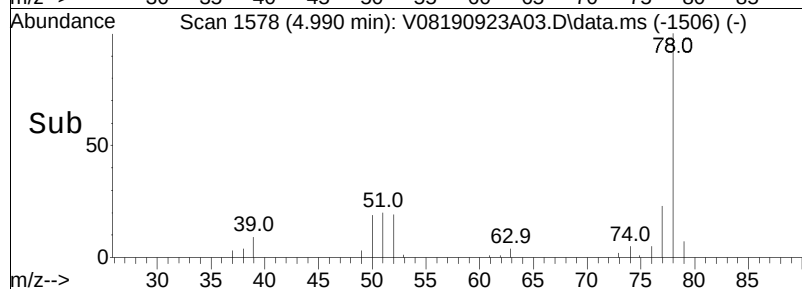
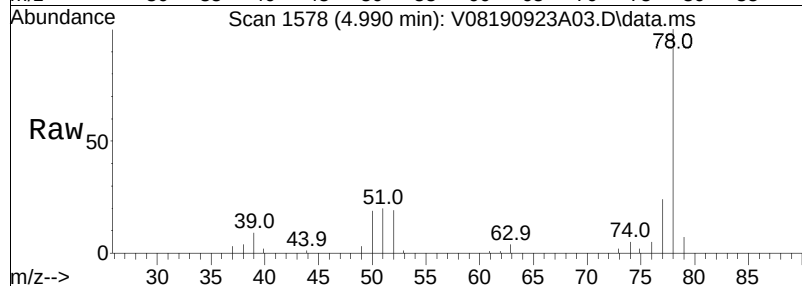
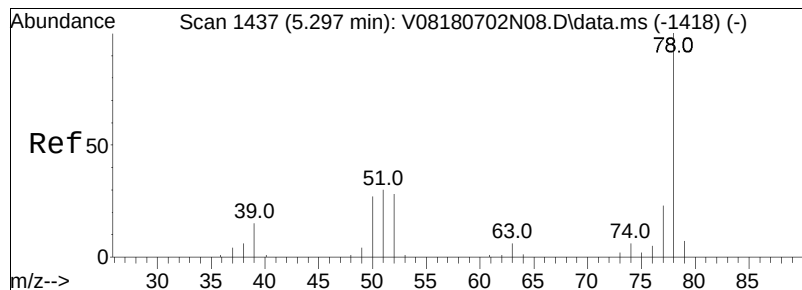




#40
 1,1-Dichloropropene
 Concen: 9.10 ug/L M1
 RT: 4.681 min Scan# 1467
 Delta R.T. -0.003 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

Tgt Ion:	75	Resp:	51654
Ion Ratio	Lower	Upper	
75	100		
110	32.8	20.2	41.9
77	27.4	20.1	41.7





#41

Benzene

Concen: 8.64 ug/L

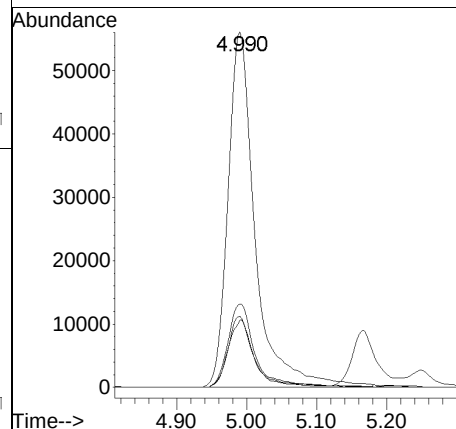
RT: 4.990 min Scan# 1578

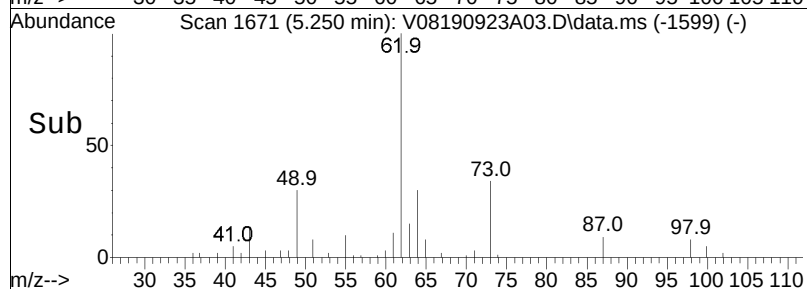
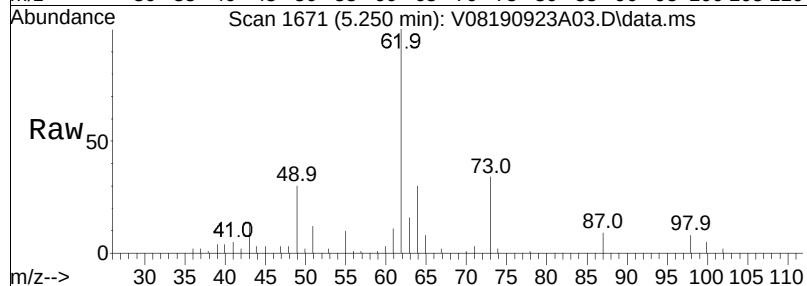
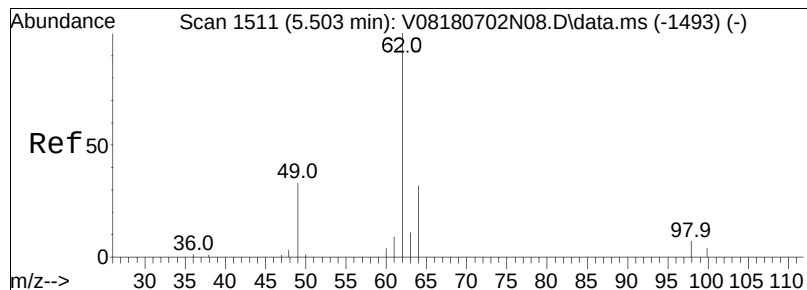
Delta R.T. 0.000 min

Lab File: V08190923A03.D

Acq: 23 Sep 2019 7:12

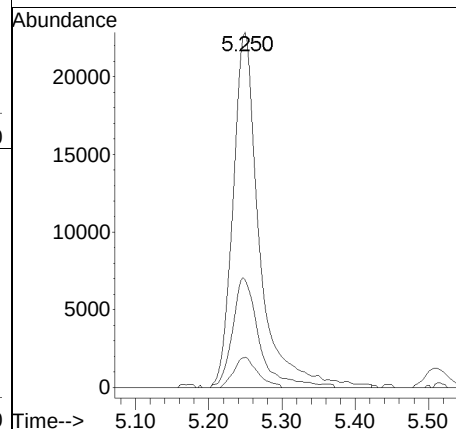
Tgt	Ion: 78	Resp:	152441
Ion	Ratio	Lower	Upper
78	100		
77	23.4	15.7	32.7
51	19.0	16.0	33.2
52	18.0	15.3	31.9

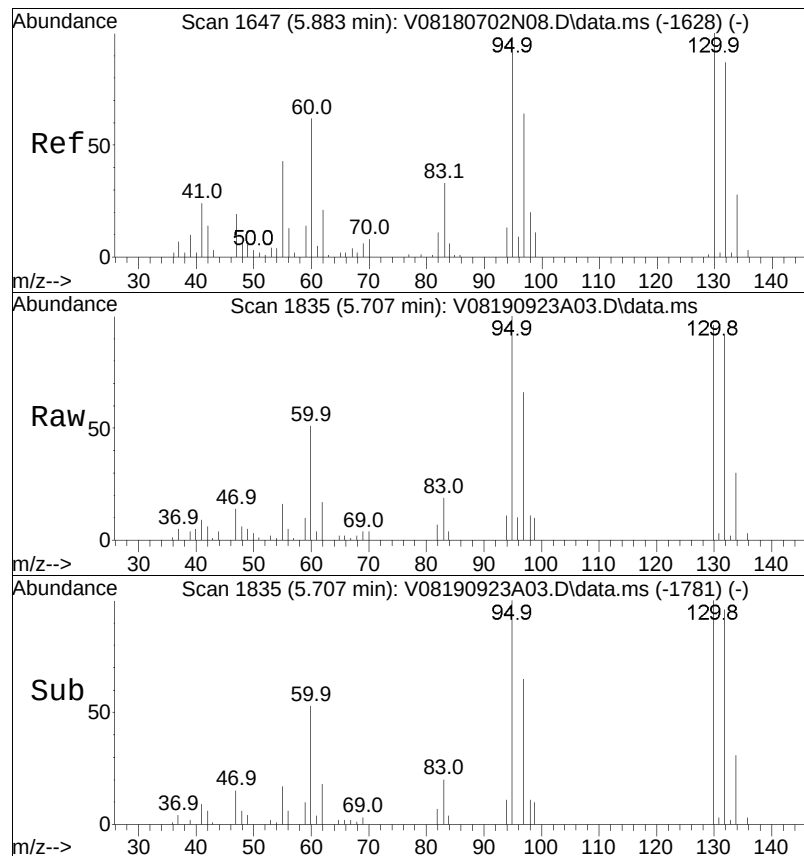




#44
 1,2-Dichloroethane
 Concen: 8.74 ug/L M1
 RT: 5.250 min Scan# 1671
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

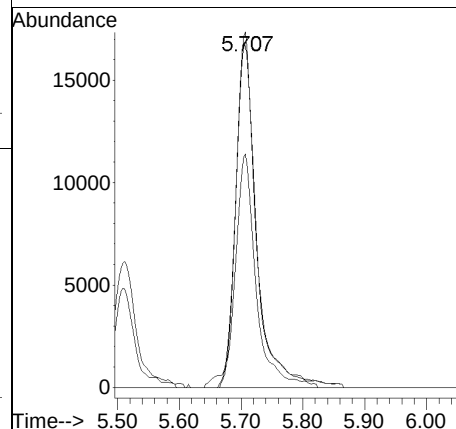
Tgt Ion:	62	64	98	Ratio	100	31.2	7.7	Resp:	57388	Lower	Upper

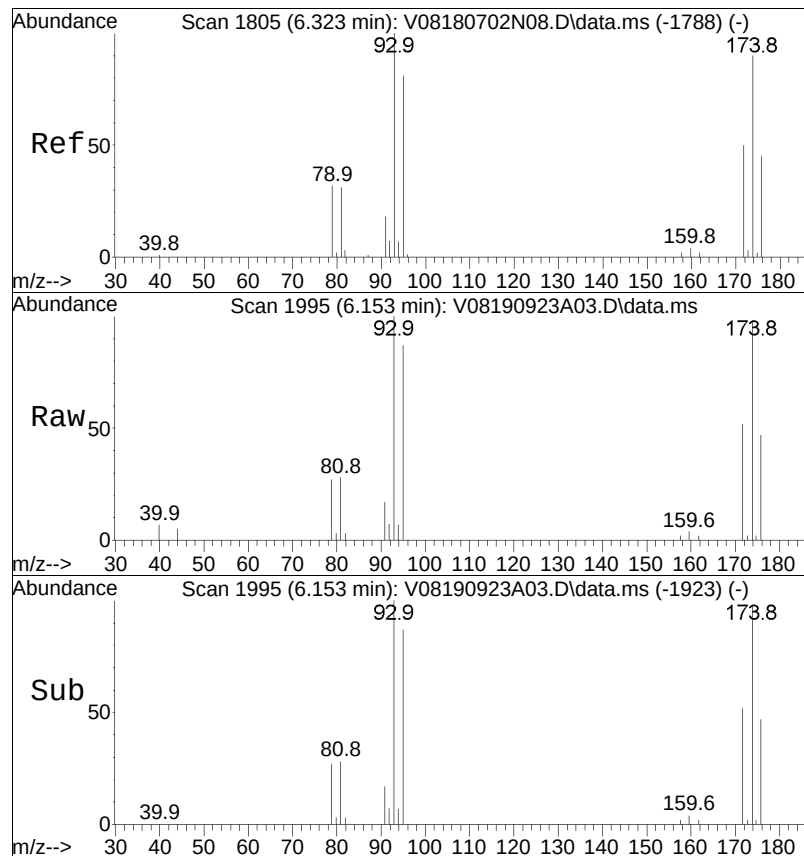




#48
 Trichloroethene
 Concen: 8.51 ug/L M1
 RT: 5.707 min Scan# 1835
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

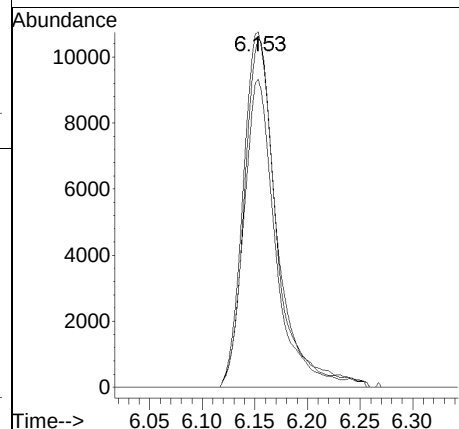
Tgt Ion:	95	Resp:	40475
Ion Ratio	Lower	Upper	
95	100		
97	64.6	55.5	83.3
130	97.3	76.6	115.0

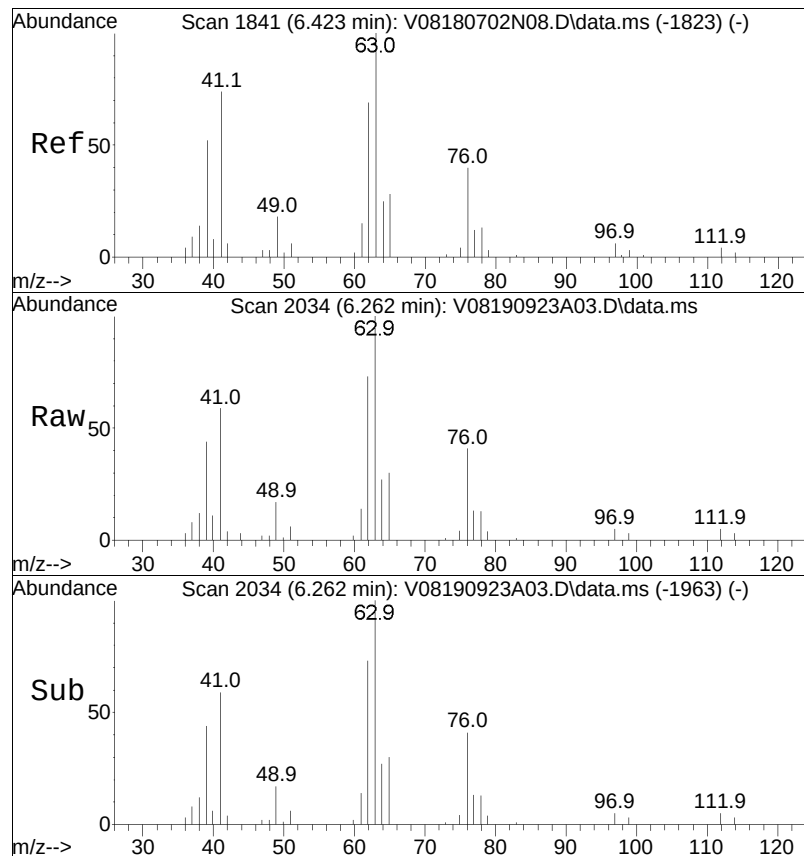




#50
 Dibromomethane
 Concen: 8.84 ug/L M1
 RT: 6.153 min Scan# 1995
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

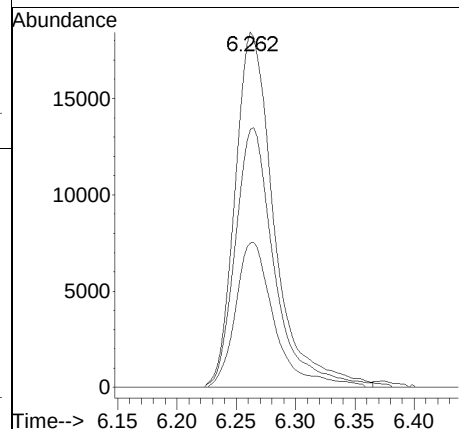
Tgt Ion:	93	Resp:	23632
Ion Ratio	Lower	Upper	
93	100		
95	82.8	67.0	100.4
174	95.7	75.0	112.4

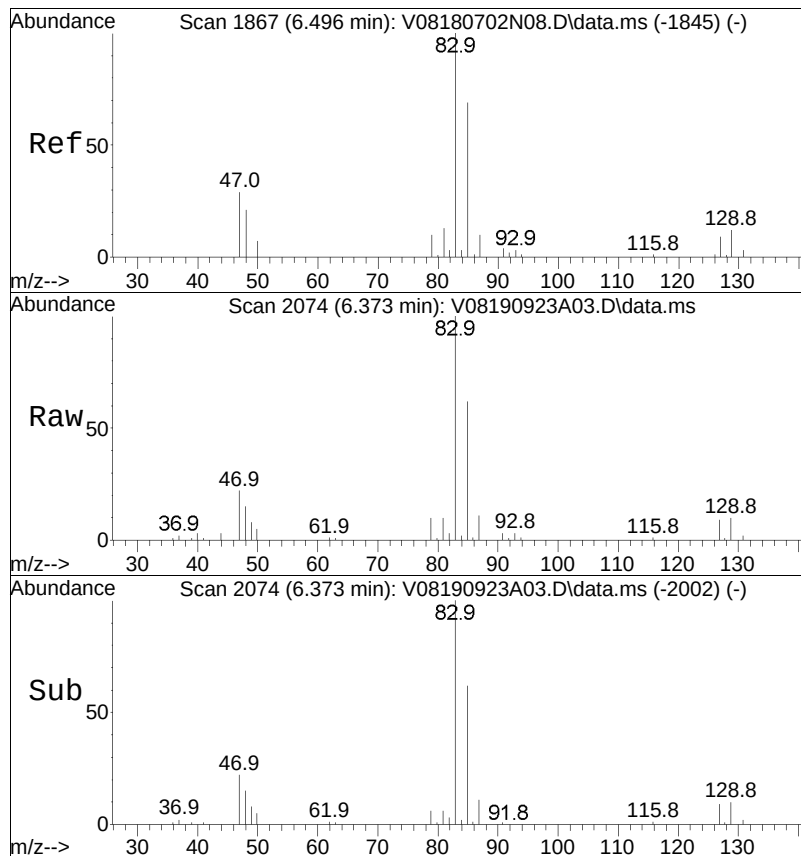




#51
 1,2-Dichloropropane
 Concen: 9.09 ug/L
 RT: 6.262 min Scan# 2034
 Delta R.T. -0.003 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

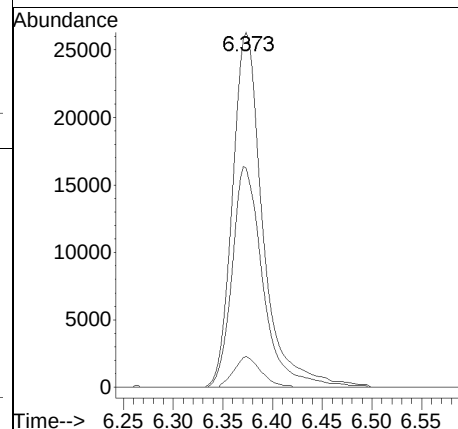
Tgt Ion:	63	Resp:	42643
Ion Ratio	Lower	Upper	
63	100		
62	73.5	58.6	87.8
76	40.6	38.0	57.0

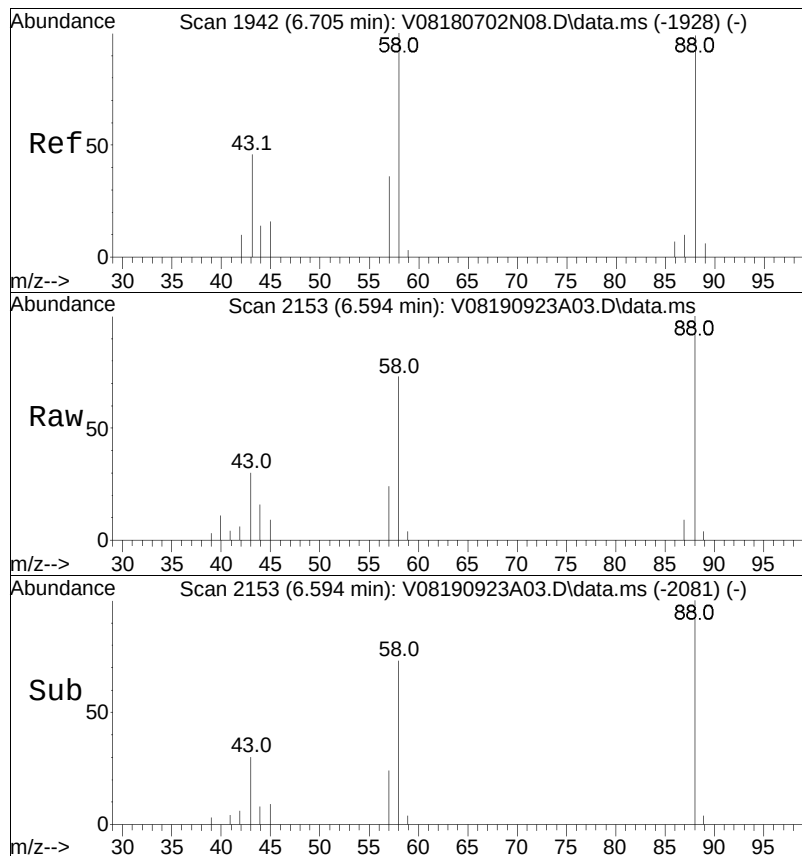




#54
 Bromodichloromethane
 Concen: 8.64 ug/L
 RT: 6.373 min Scan# 2074
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

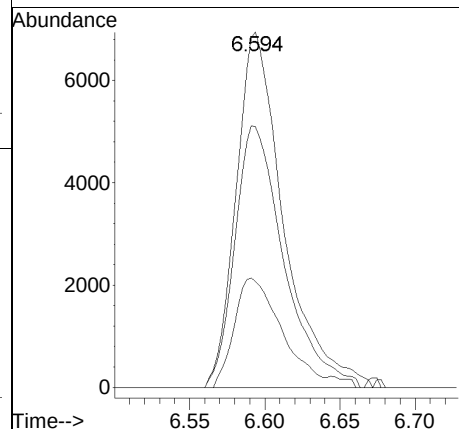
Tgt Ion:	83	Resp:	56329
Ion Ratio	Lower	Upper	
83	100		
85	63.2	52.3	78.5
127	7.8	6.2	9.4

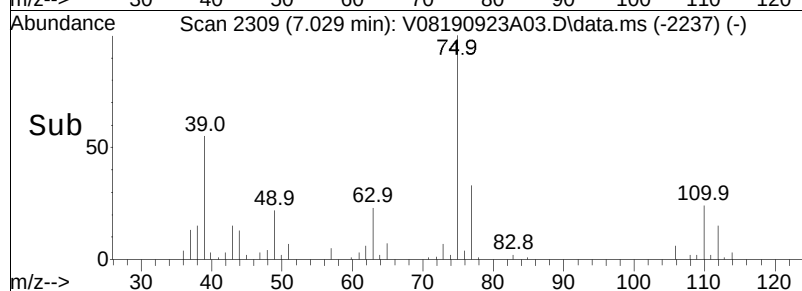
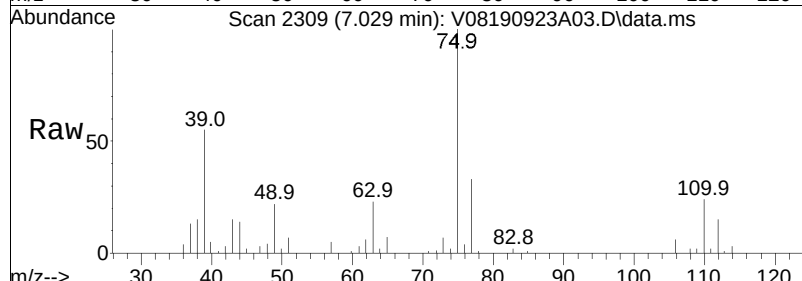
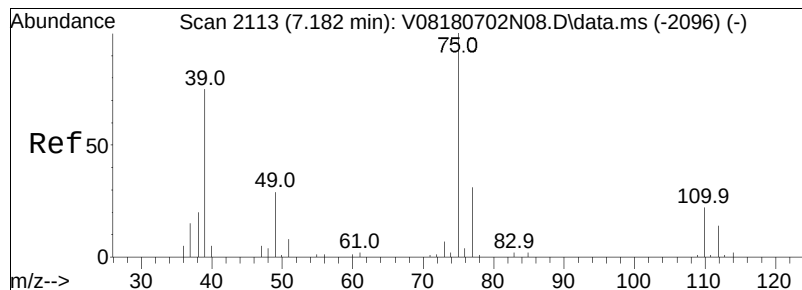




#57
 1,4-Dioxane
 Concen: 664.83 ug/L
 RT: 6.594 min Scan# 2153
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

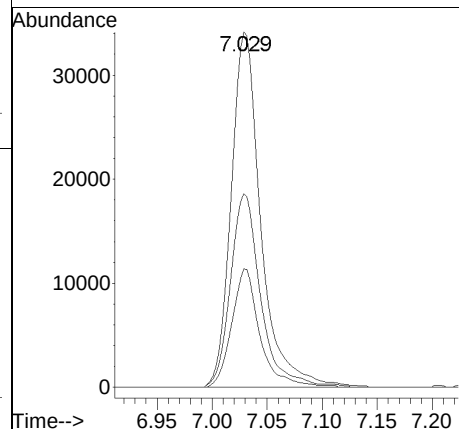
Tgt Ion:	88	Resp:	15290
Ion Ratio	Lower	Upper	
88	100		
58	76.1	76.7	115.1#
43	30.7	36.2	54.2#

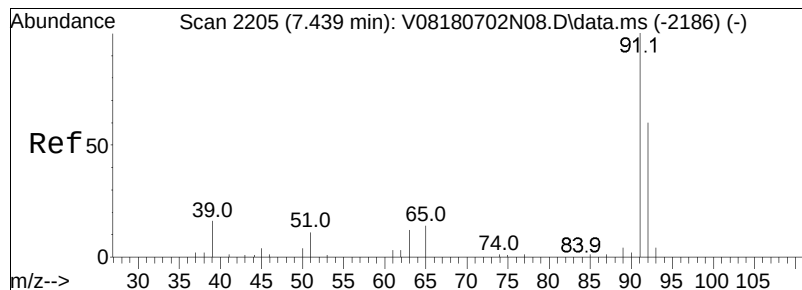




#58
 cis-1,3-Dichloropropene
 Concen: 8.74 ug/L
 RT: 7.029 min Scan# 2309
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

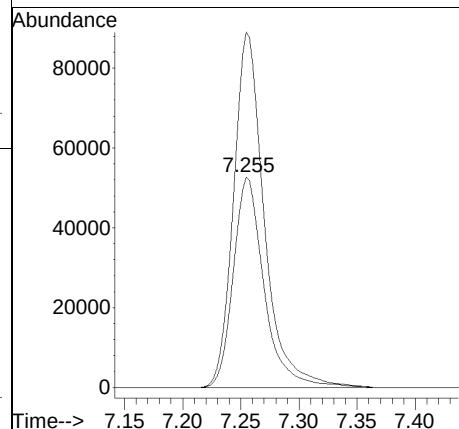
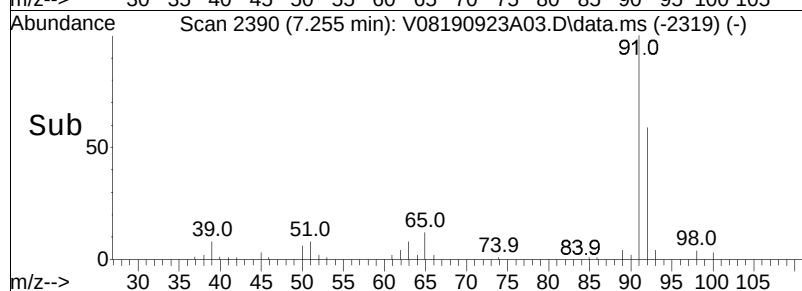
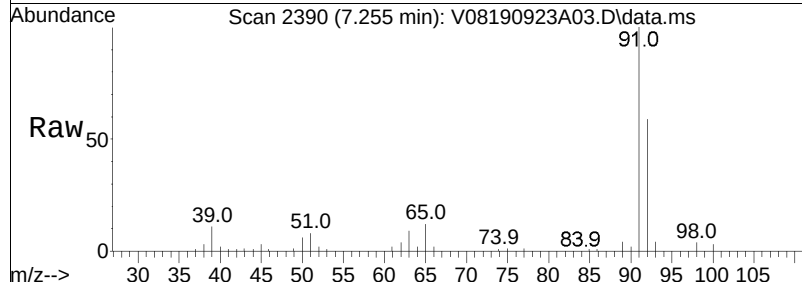
Tgt Ion:	75	Resp:	64308
Ion Ratio	100	Lower	Upper
77	31.6	25.0	37.4
39	54.9	50.1	75.1

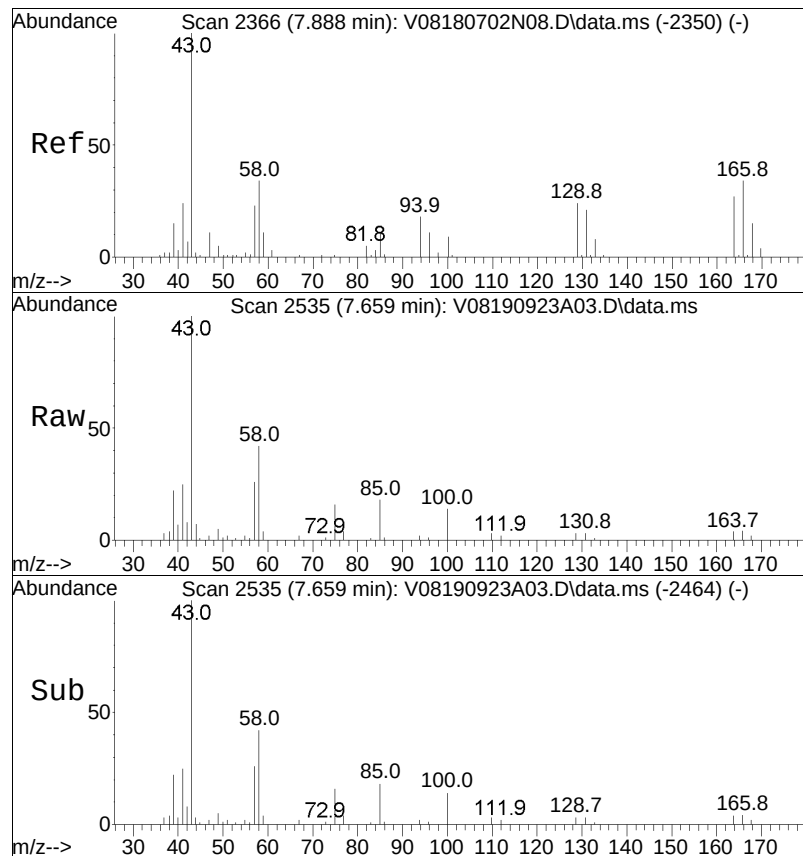




#61
Toluene
Concen: 8.83 ug/L
RT: 7.255 min Scan# 2390
Delta R.T. -0.003 min
Lab File: V08190923A03.D
Acq: 23 Sep 2019 7:12

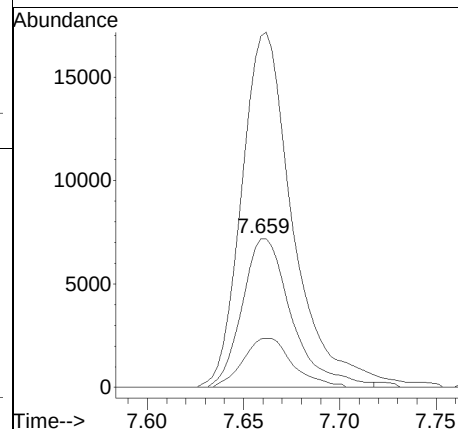
Tgt Ion: 92 Resp: 97284
Ion Ratio Lower Upper
92 100
91 168.0 139.8 209.6

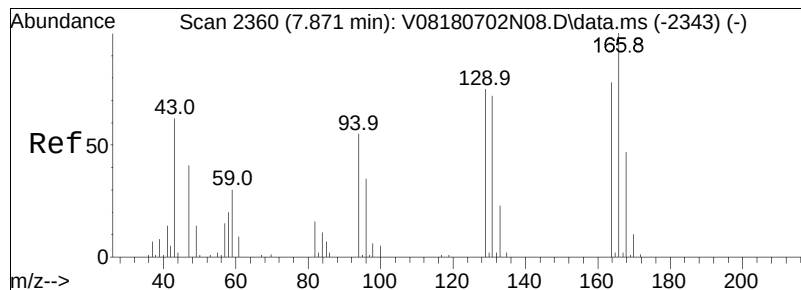




#62
 4-Methyl-2-pentanone
 Concen: 9.50 ug/L
 RT: 7.659 min Scan# 2535
 Delta R.T. -0.003 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

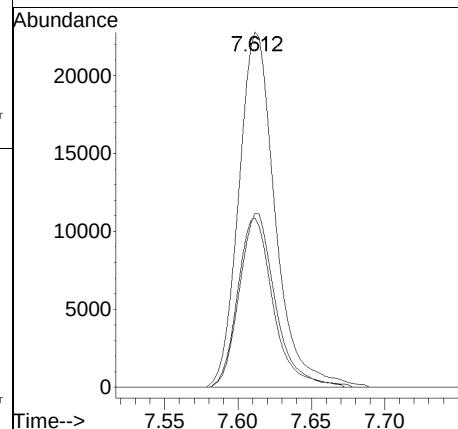
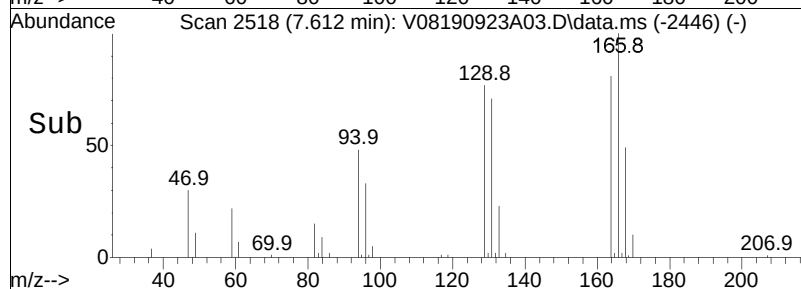
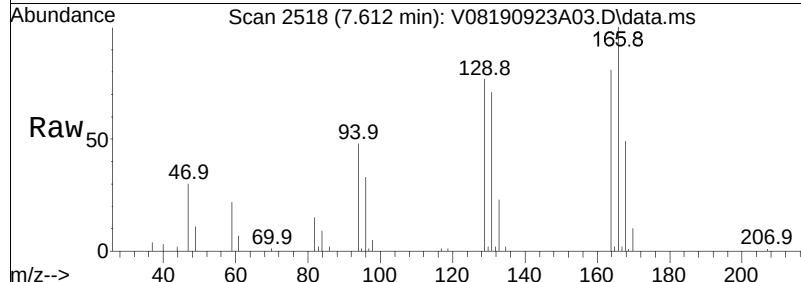
Tgt	Ion: 58	Resp:	12990
Ion	Ratio	Lower	Upper
58	100		
100	32.9	20.2	30.2#
43	246.5	196.6	295.0

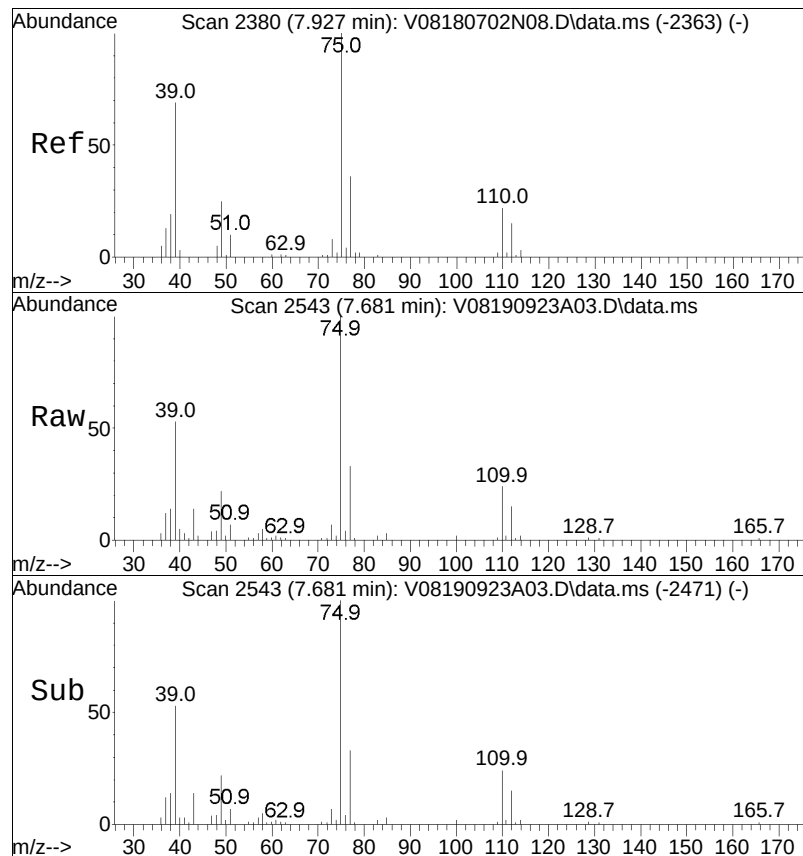




#63
Tetrachloroethene
Concen: 8.50 ug/L
RT: 7.612 min Scan# 2518
Delta R.T. 0.000 min
Lab File: V08190923A03.D
Acq: 23 Sep 2019 7:12

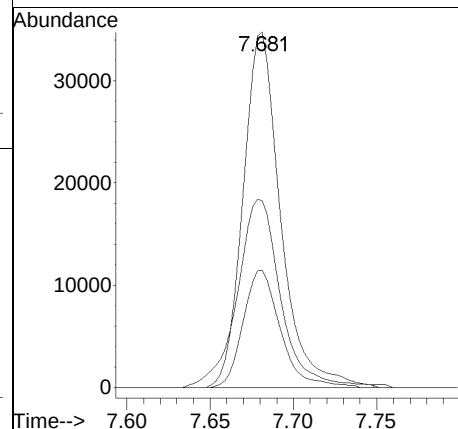
Tgt Ion	Ratio	Lower	Upper
166	100		
168	48.3	28.2	68.2
94	46.8	38.4	78.4

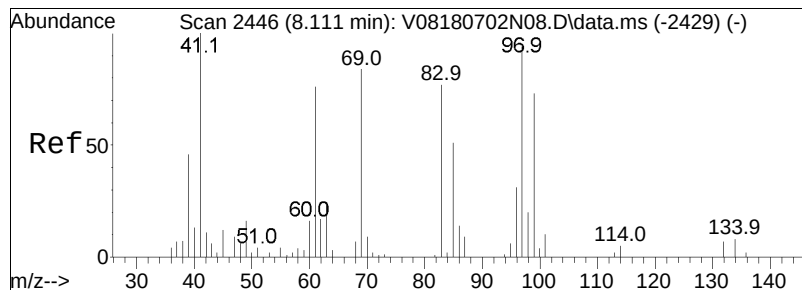




#65
trans-1,3-Dichloropropene
Concen: 8.62 ug/L
RT: 7.681 min Scan# 2543
Delta R.T. 0.000 min
Lab File: V08190923A03.D
Acq: 23 Sep 2019 7:12

Tgt Ion:	75	Resp:	54656
Ion Ratio	Lower	Upper	
75	100		
77	32.7	12.4	52.4
39	61.0	42.8	82.8





#68

1,1,2-Trichloroethane

Concen: 9.15 ug/L

RT: 7.809 min Scan# 2589

Delta R.T. 0.000 min

Lab File: V08190923A03.D

Acq: 23 Sep 2019 7:12

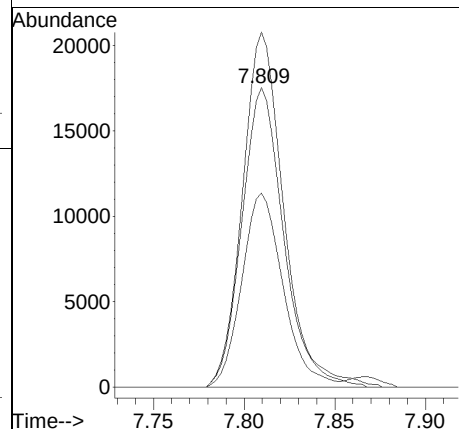
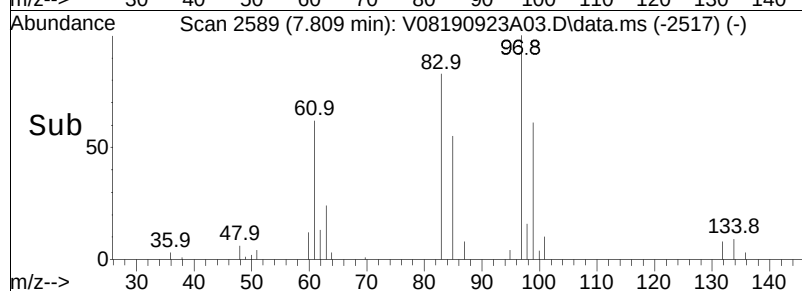
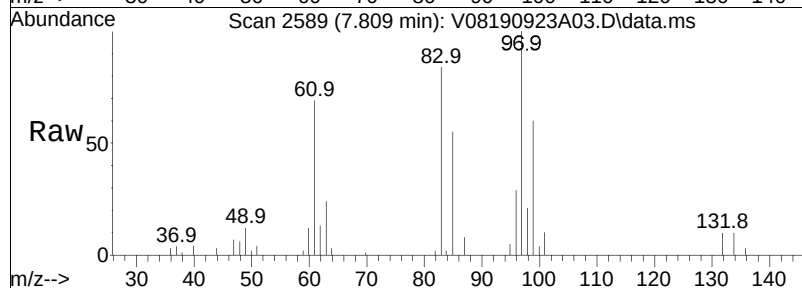
Tgt Ion: 83 Resp: 28239

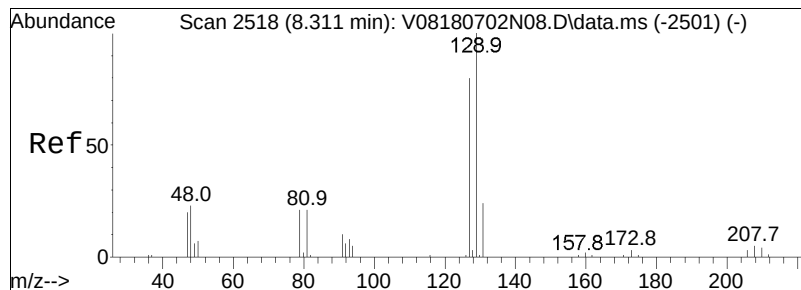
Ion Ratio Lower Upper

83 100

97 117.3 89.8 129.8

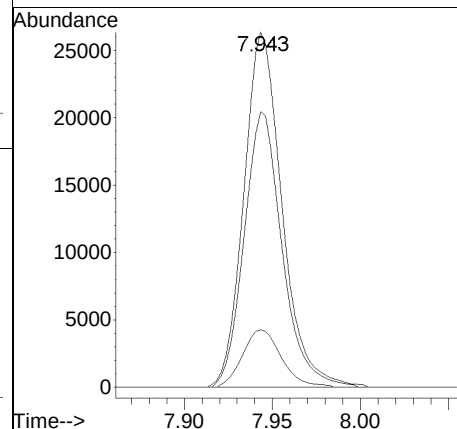
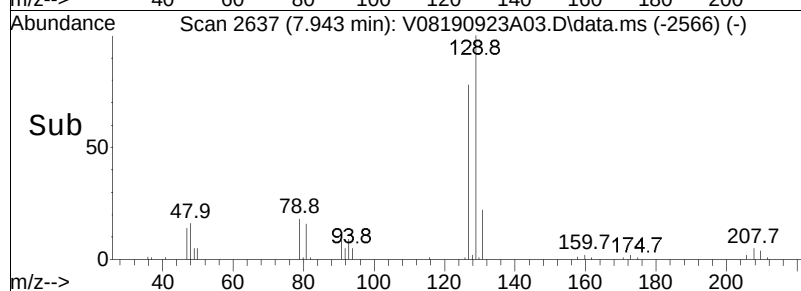
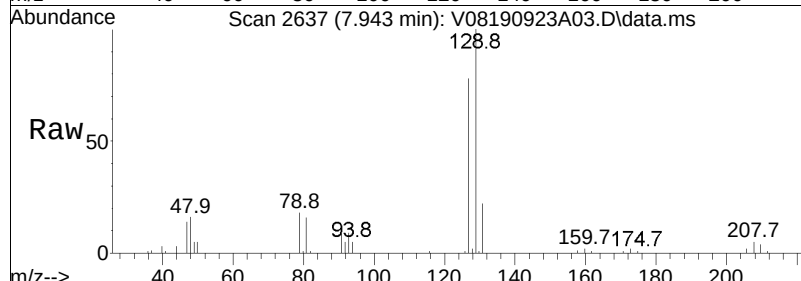
85 64.3 44.4 84.4

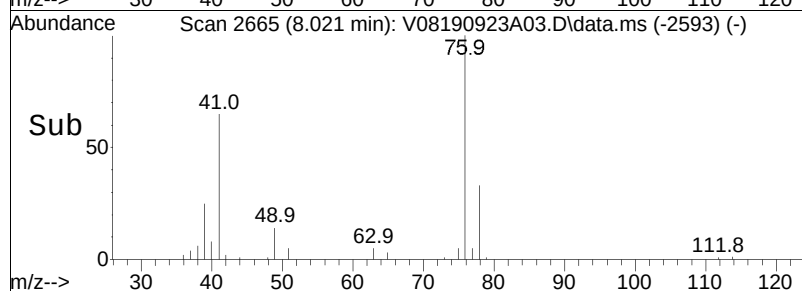
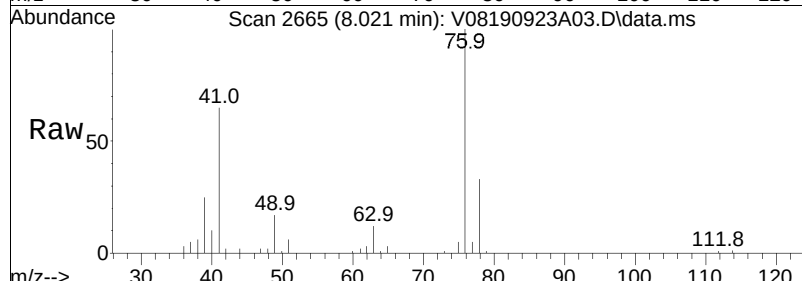
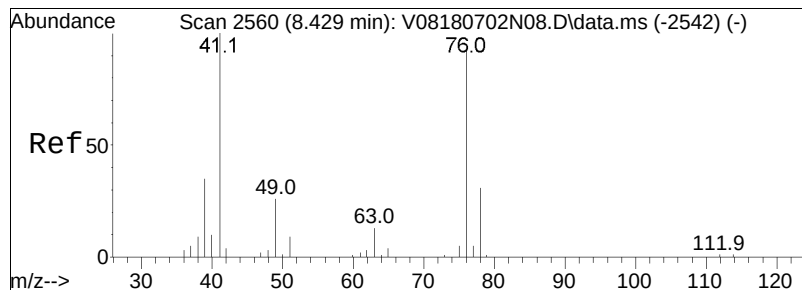




#69
 Chlorodibromomethane
 Concen: 8.87 ug/L
 RT: 7.943 min Scan# 2637
 Delta R.T. -0.003 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

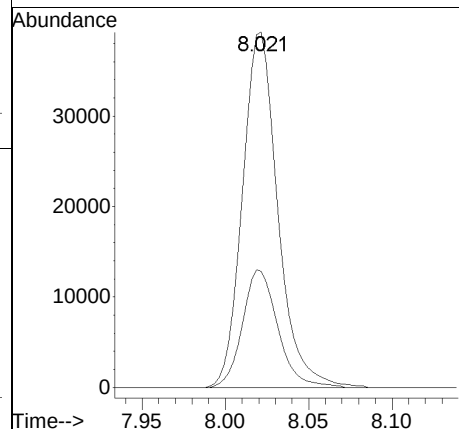
Tgt Ion	Ratio	Lower	Upper
129	100		
81	16.6	2.9	42.9
127	77.1	57.8	97.8

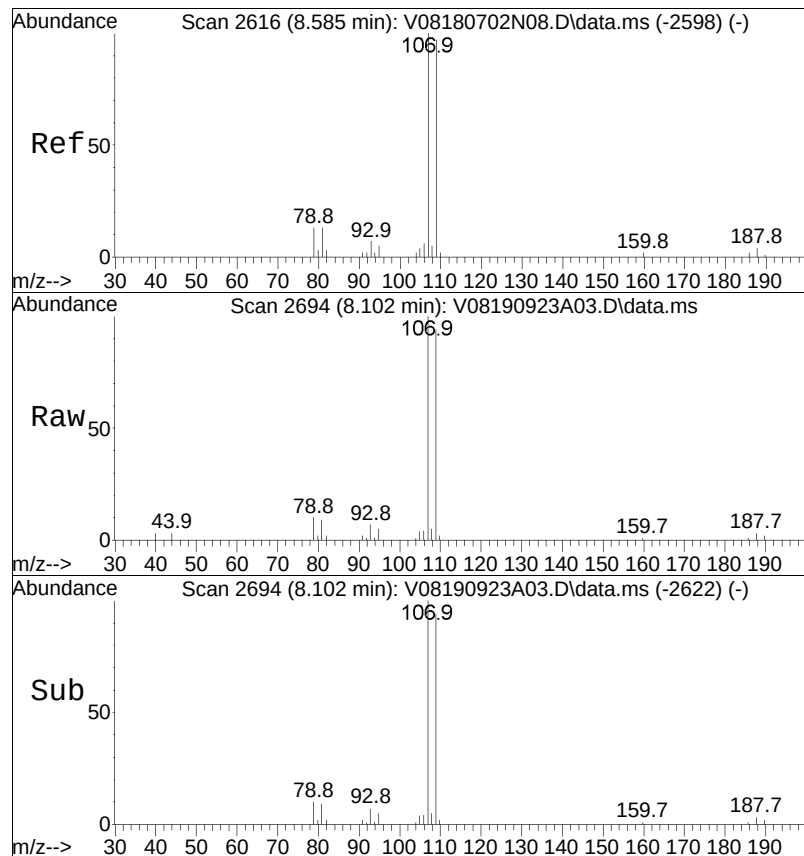




#70
 1,3-Dichloropropane
 Concen: 9.09 ug/L
 RT: 8.021 min Scan# 2665
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

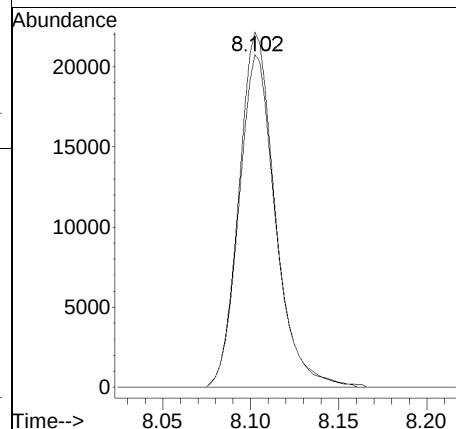
Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.5	38.3

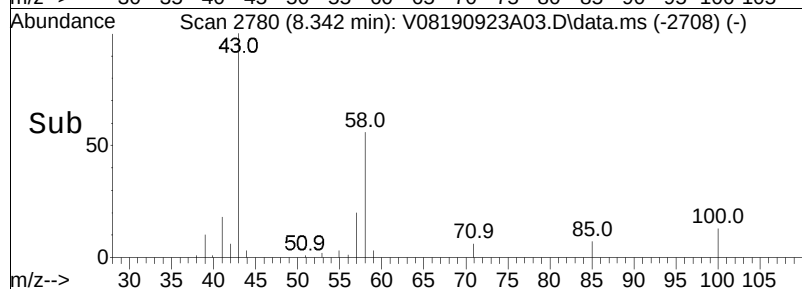
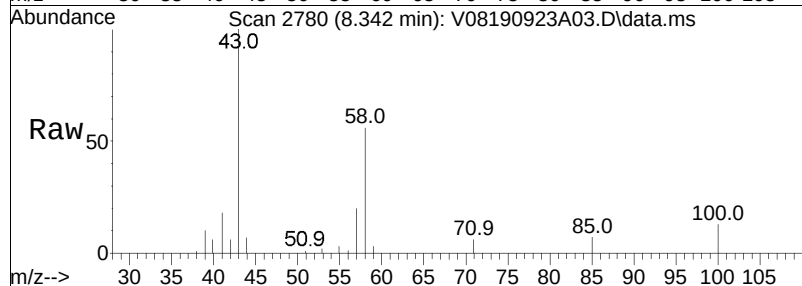
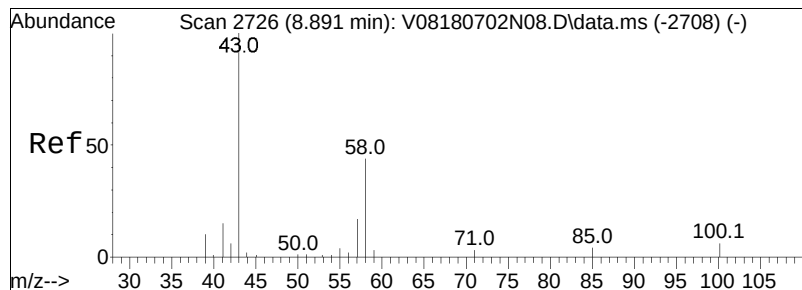




#71
 1,2-Dibromoethane
 Concen: 8.85 ug/L
 RT: 8.102 min Scan# 2694
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.3	111.5





#72

2-Hexanone

Concen: 9.18 ug/L

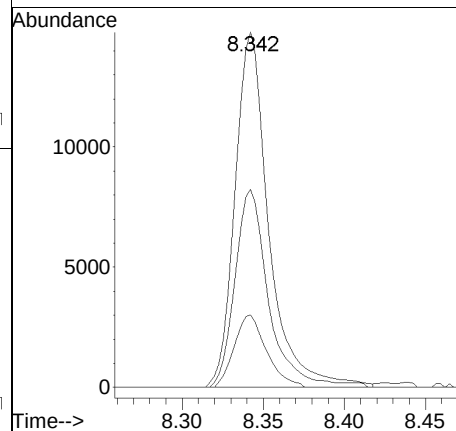
RT: 8.342 min Scan# 2780

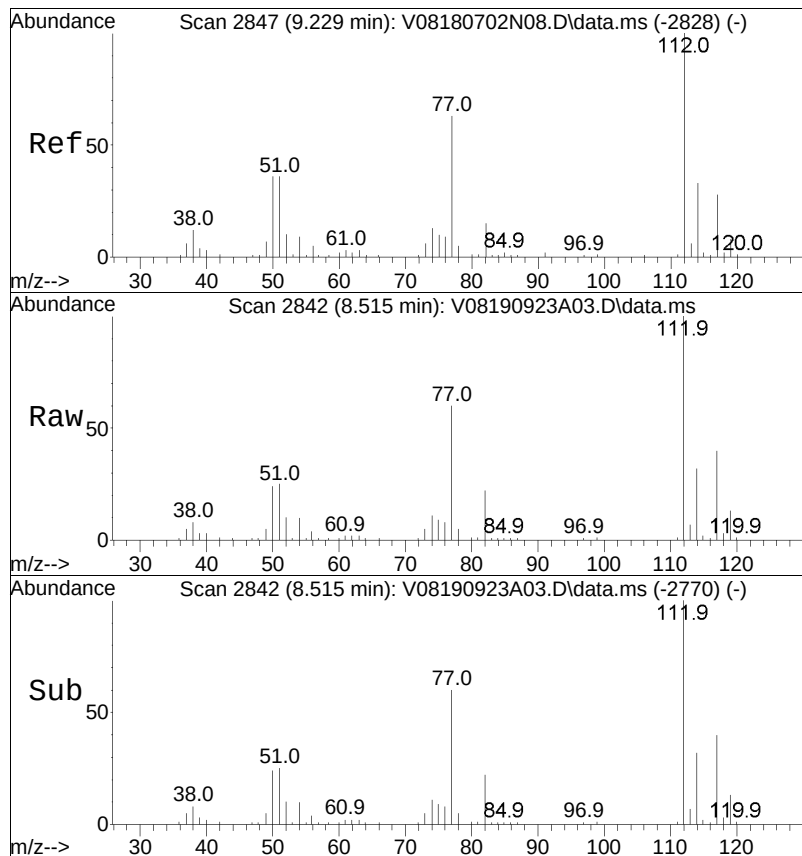
Delta R.T. 0.000 min

Lab File: V08190923A03.D

Acq: 23 Sep 2019 7:12

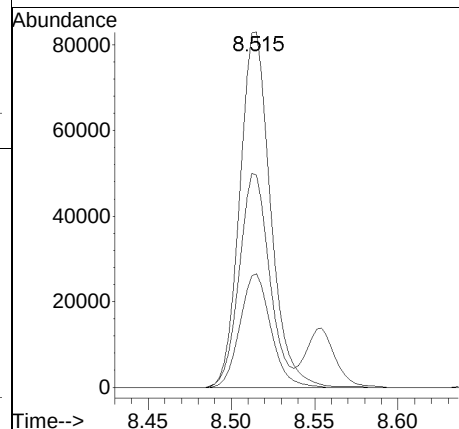
Tgt Ion:	43	Resp:	21445
Ion Ratio	Lower	Upper	
43	100		
58	55.1	41.2	61.8
57	19.5	17.2	25.8

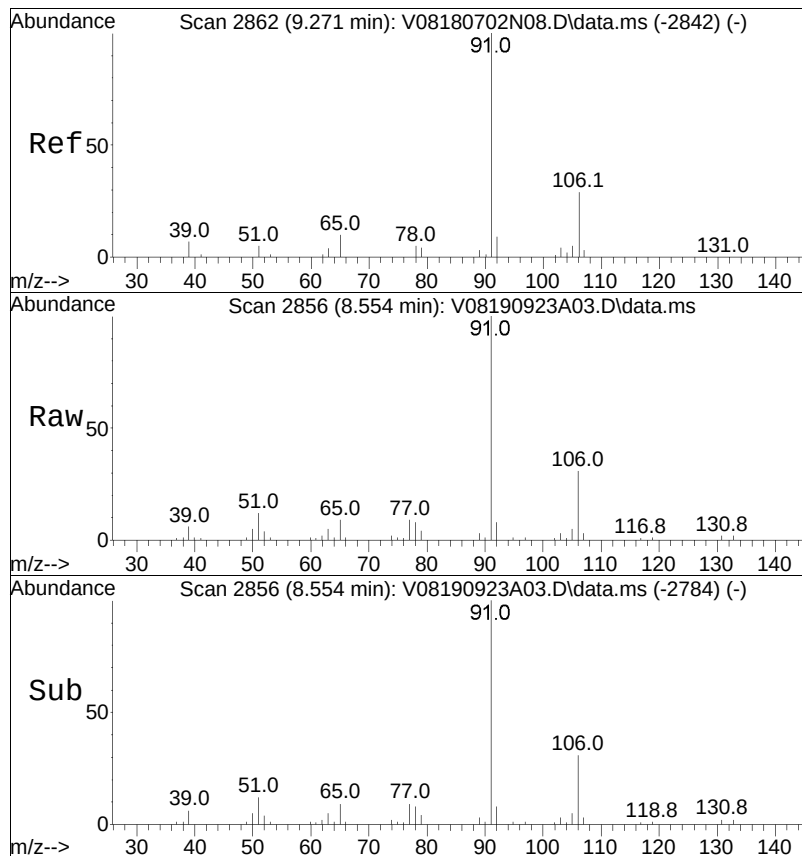




#73
 Chlorobenzene
 Concen: 8.77 ug/L
 RT: 8.515 min Scan# 2842
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

Tgt	Ion:112	Resp:	106561
Ion	Ratio	Lower	Upper
112	100		
77	59.4	55.4	83.0
114	32.1	25.4	38.2





#74

Ethylbenzene

Concen: 8.86 ug/L

RT: 8.554 min Scan# 2856

Delta R.T. 0.000 min

Lab File: V08190923A03.D

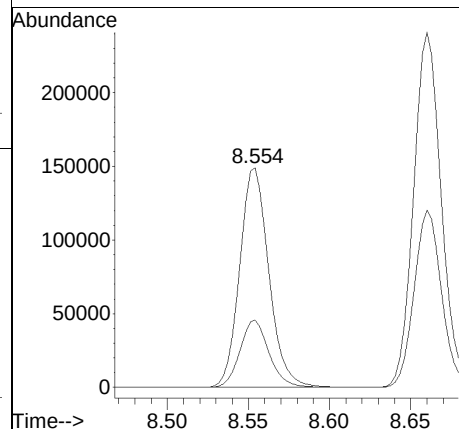
Acq: 23 Sep 2019 7:12

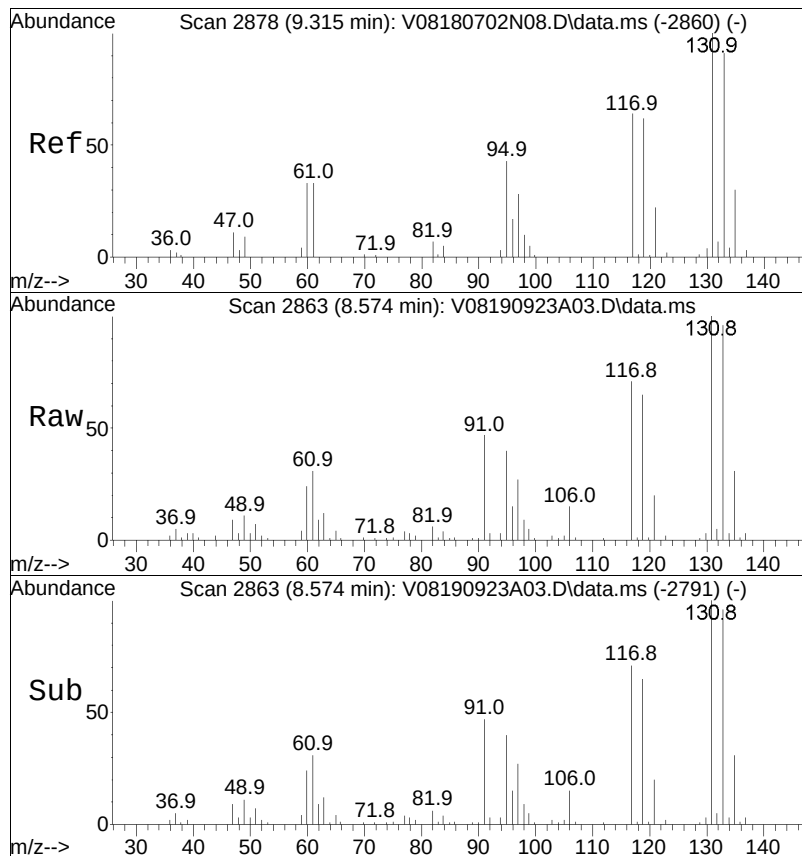
Tgt Ion: 91 Resp: 186592

Ion Ratio Lower Upper

91 100

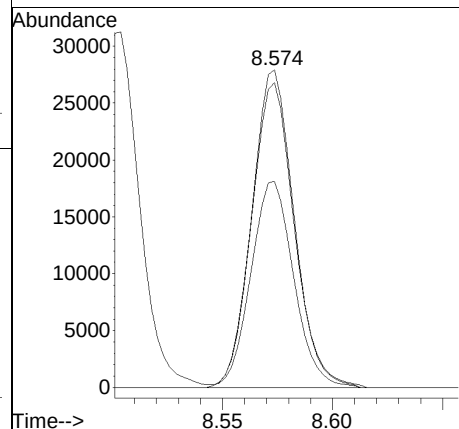
106 30.4 24.3 36.5

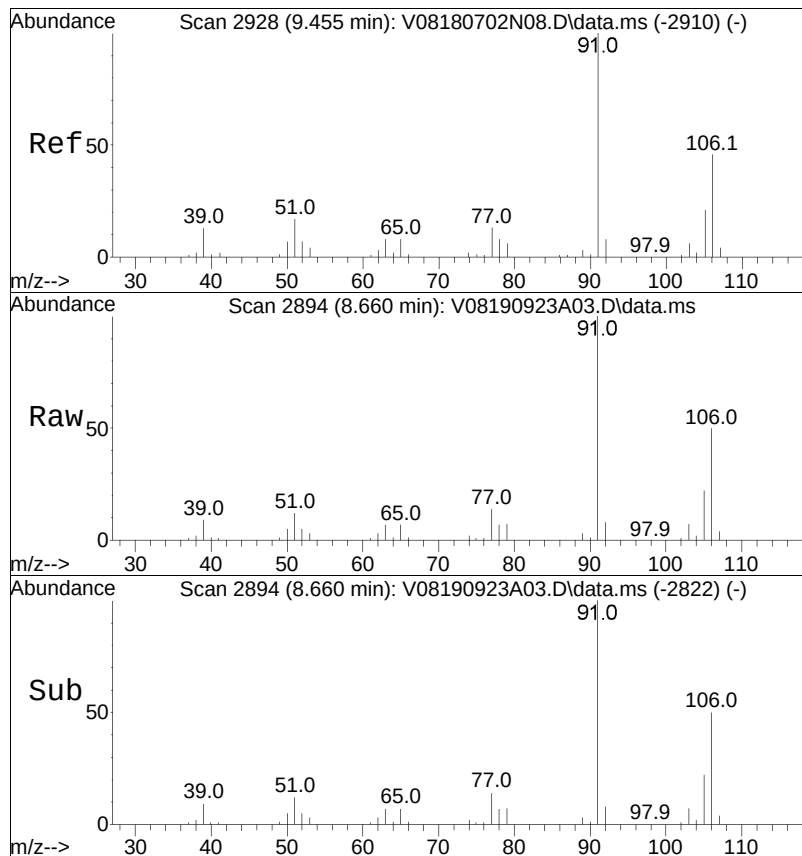




#75
 1,1,1,2-Tetrachloroethane
 Concen: 8.45 ug/L
 RT: 8.574 min Scan# 2863
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

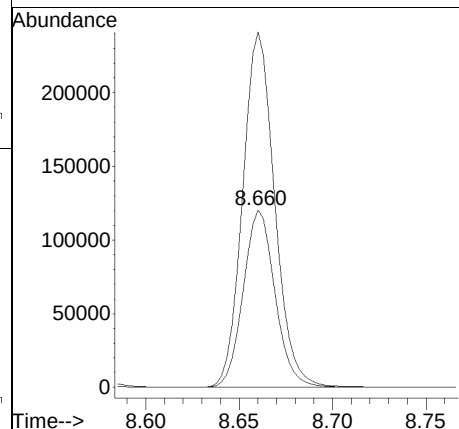
Tgt Ion:	131	Resp:	37500
Ion Ratio	Lower	Upper	
131	100		
133	96.0	81.0	121.0
119	65.3	41.3	81.3

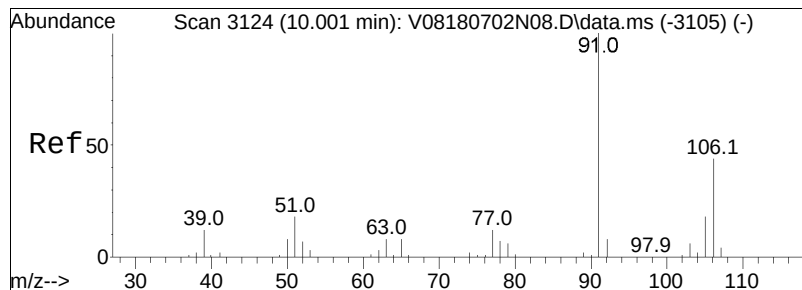




#76
 p/m Xylene
 Concen: 17.87 ug/L
 RT: 8.660 min Scan# 2894
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.5	166.4	249.6





#77

o Xylene

Concen: 17.83 ug/L

RT: 8.944 min Scan# 2996

Delta R.T. 0.000 min

Lab File: V08190923A03.D

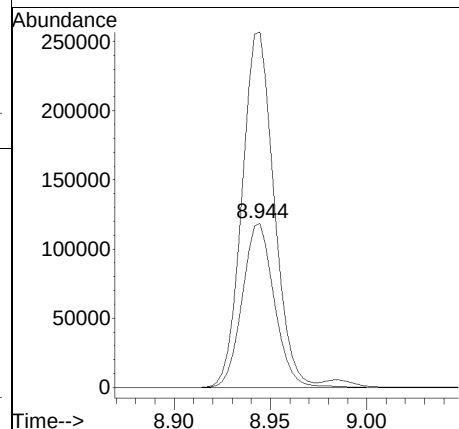
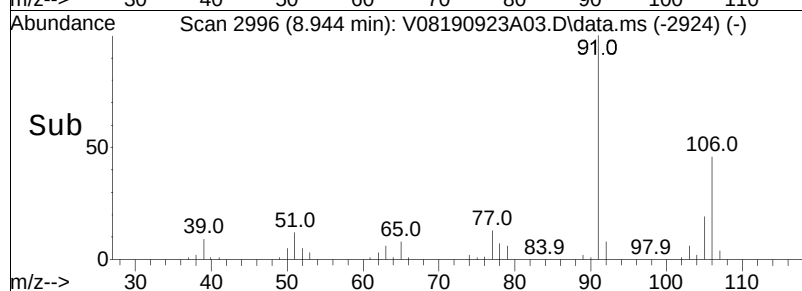
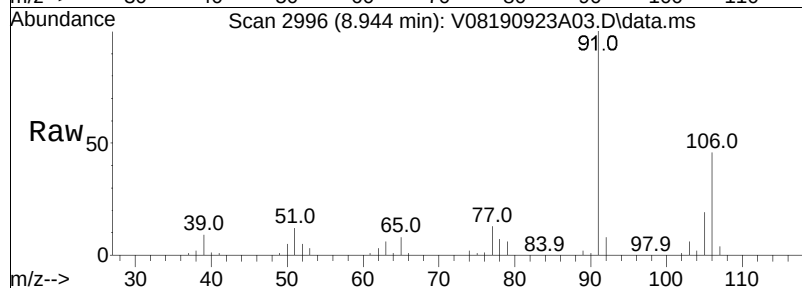
Acq: 23 Sep 2019 7:12

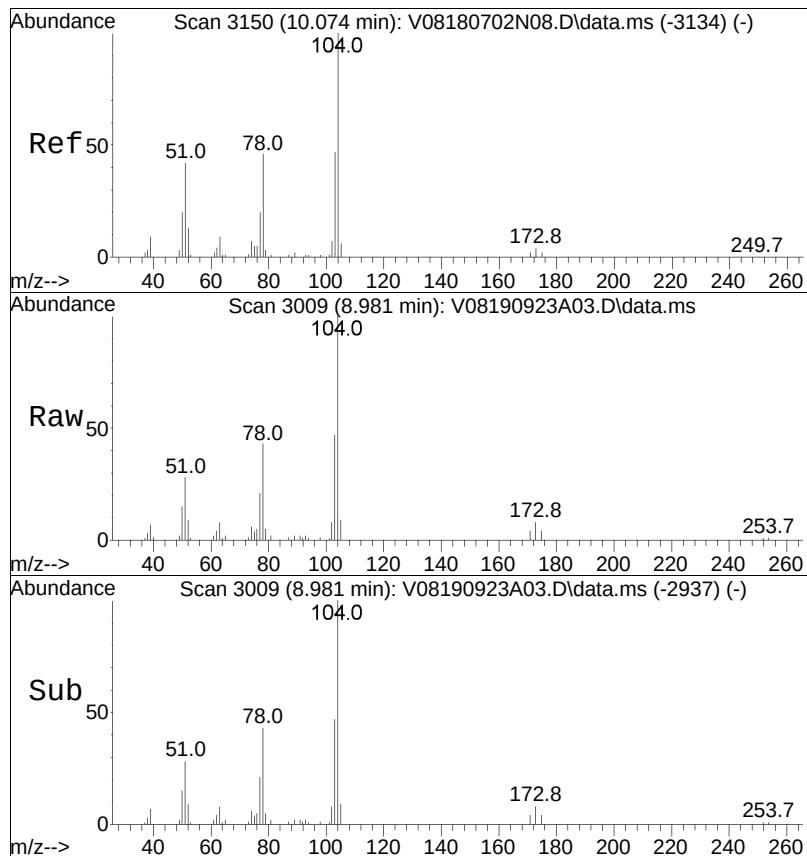
Tgt Ion:106 Resp: 136862

Ion Ratio Lower Upper

106 100

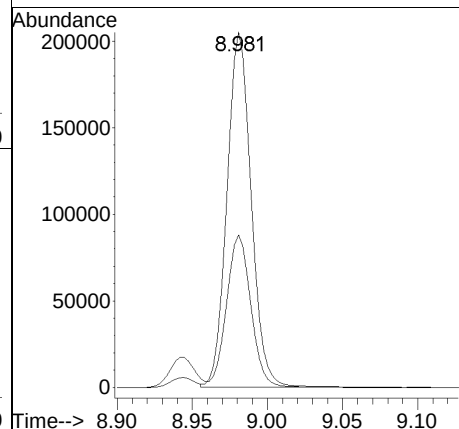
91 215.8 182.6 273.8

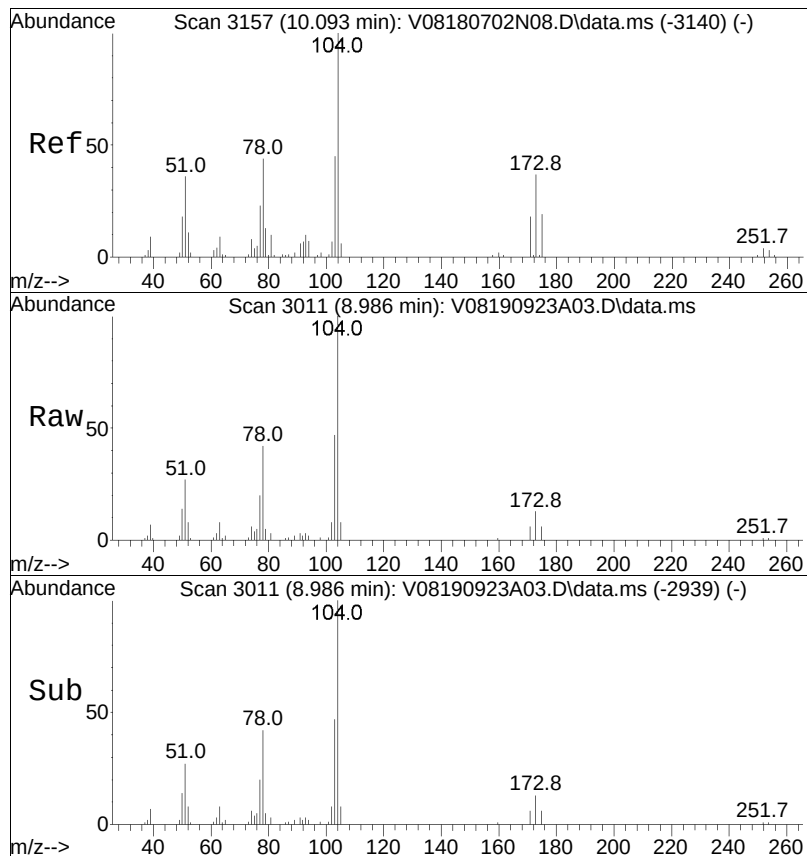




#78
 Styrene
 Concen: 18.03 ug/L
 RT: 8.981 min Scan# 3009
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

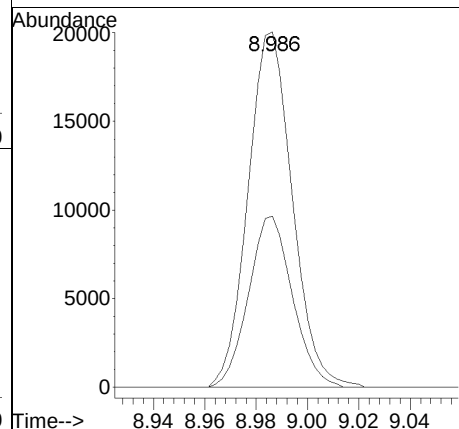
Tgt	Ion	Ratio	Lower	Upper
104	100			
78	43.4	39.8	59.6	

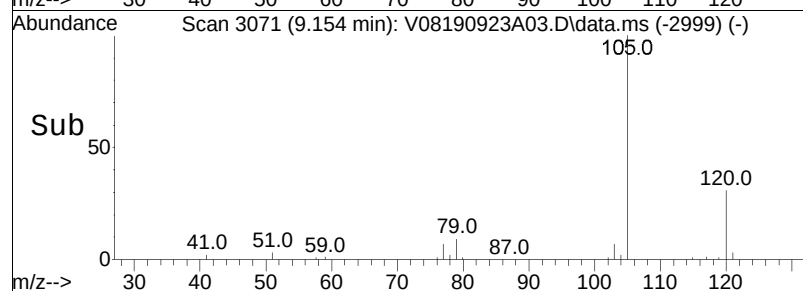
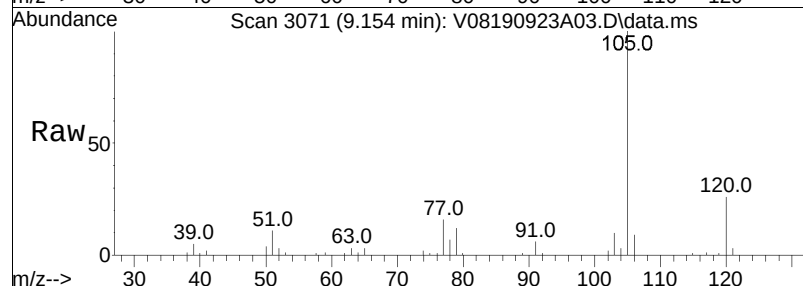
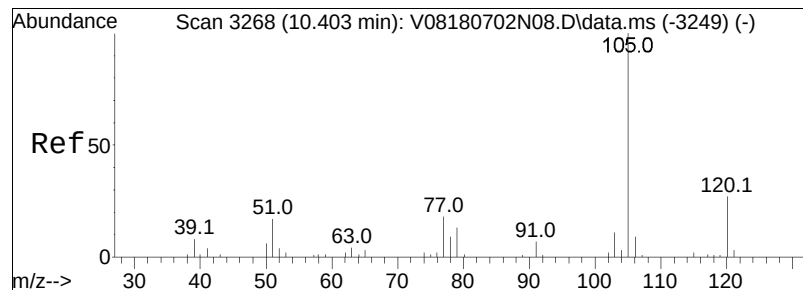




#80
 Bromoform
 Concen: 8.55 ug/L
 RT: 8.986 min Scan# 3011
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

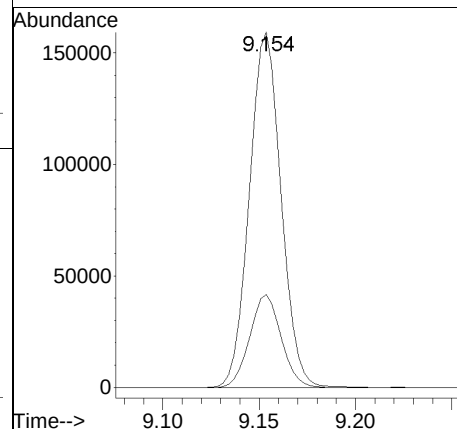
Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.7	31.5	71.5

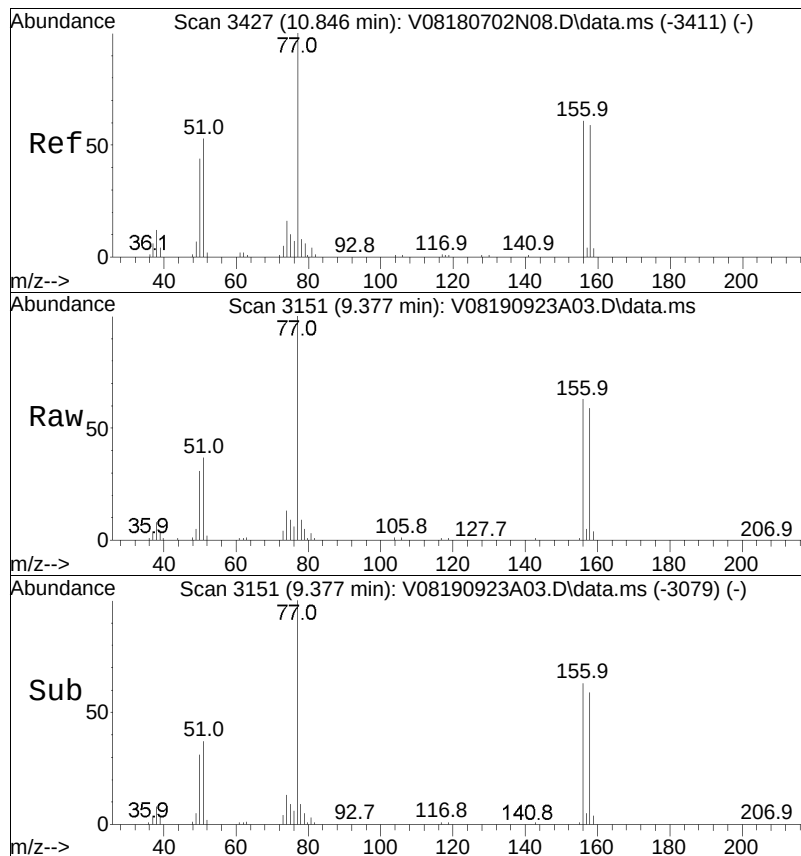




#82
 Isopropylbenzene
 Concen: 8.65 ug/L
 RT: 9.154 min Scan# 3071
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

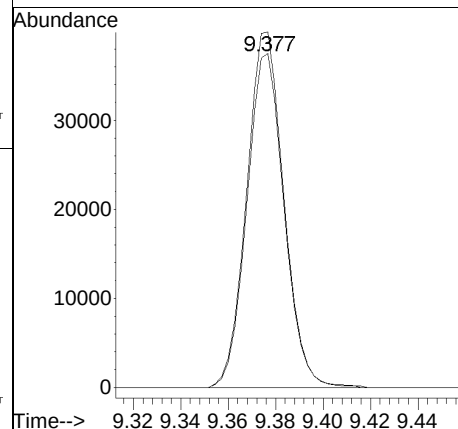
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	4.8	44.8

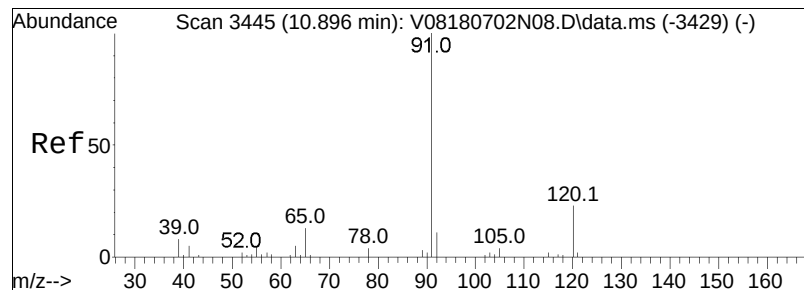




#84
 Bromobenzene
 Concen: 8.52 ug/L
 RT: 9.377 min Scan# 3151
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

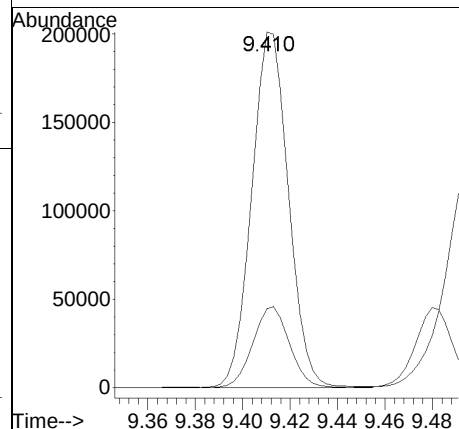
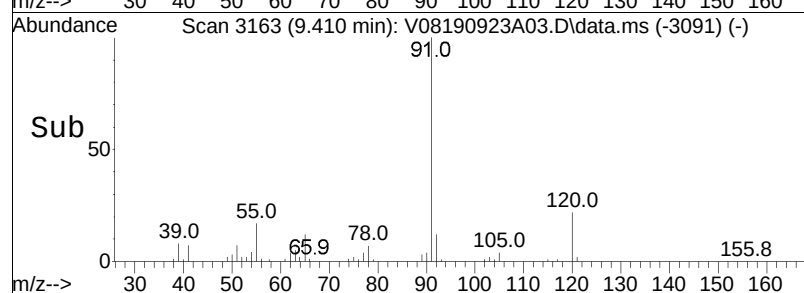
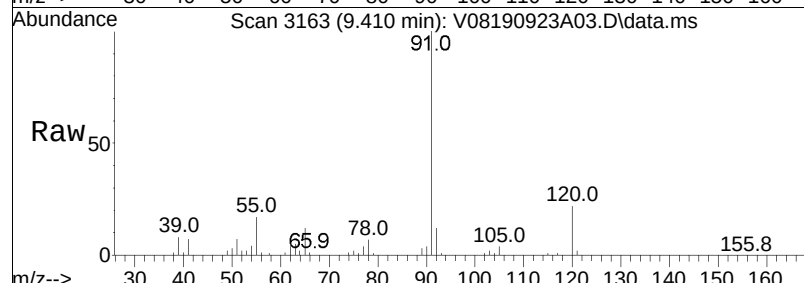
Tgt Ion:	156	Resp:	43485
Ion Ratio	Lower	Upper	
156	100		
158	94.1	75.9	113.9

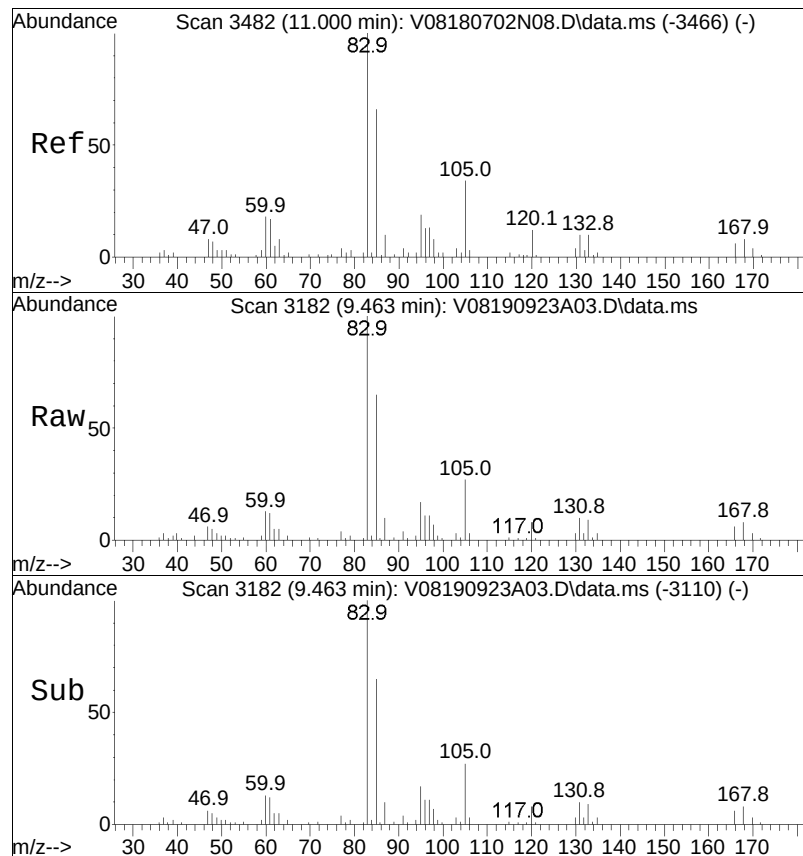




#85
 n-Propylbenzene
 Concen: 8.91 ug/L
 RT: 9.410 min Scan# 3163
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

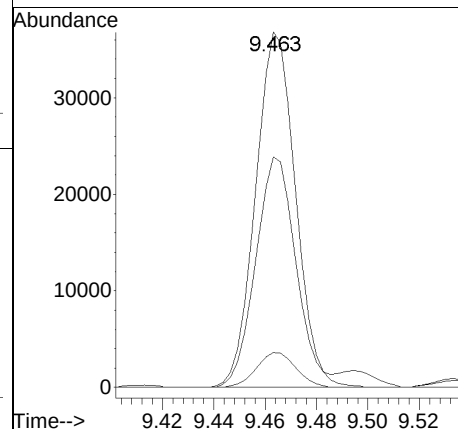
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	17.0	25.6

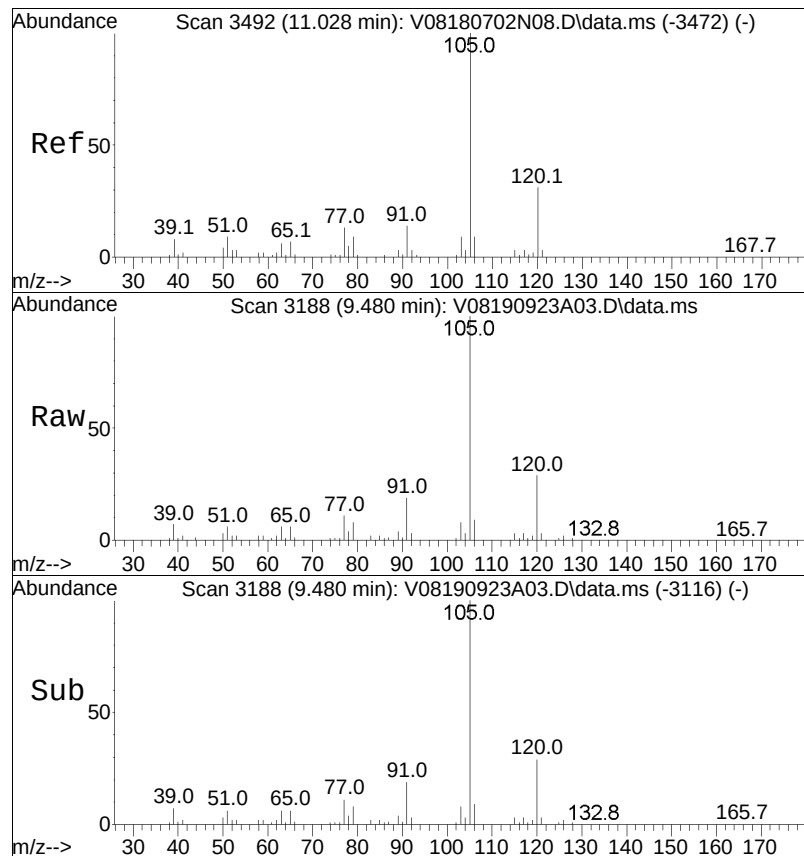




#87
 1,1,2,2-Tetrachloroethane
 Concen: 8.99 ug/L
 RT: 9.463 min Scan# 3182
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

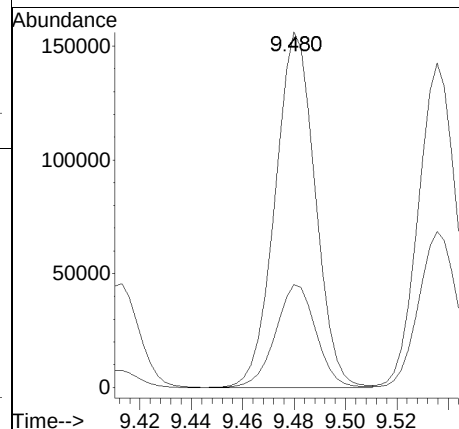
Tgt	Ion: 83	Resp:	39845
Ion	Ratio	Lower	Upper
83	100		
131	9.8	0.0	30.4
85	65.5	45.4	85.4

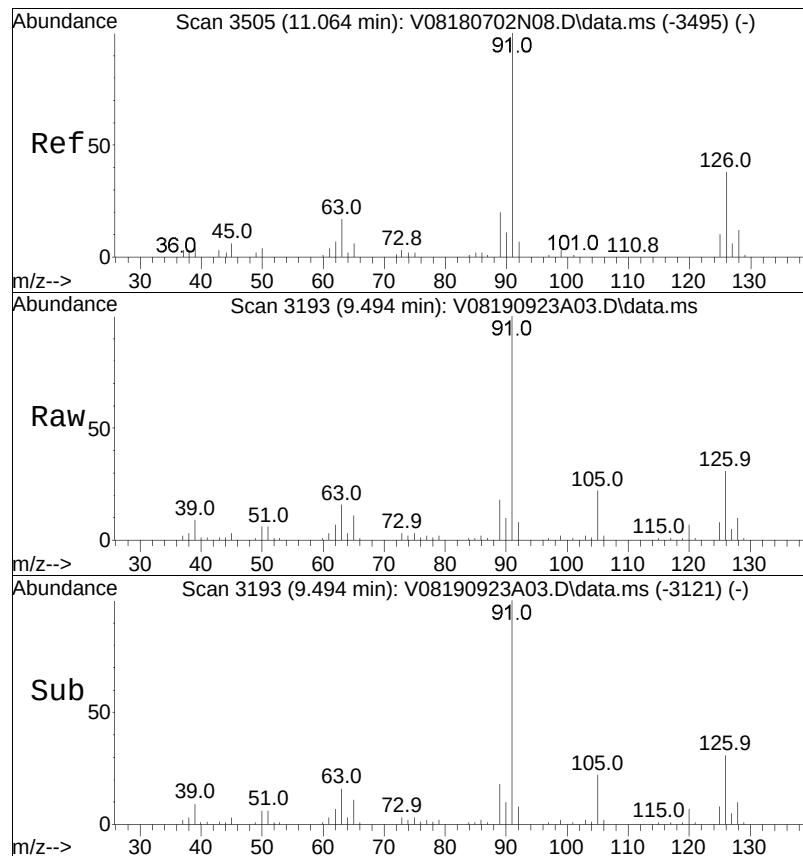




#88
 4-Ethyltoluene
 Concen: 8.75 ug/L
 RT: 9.480 min Scan# 3188
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

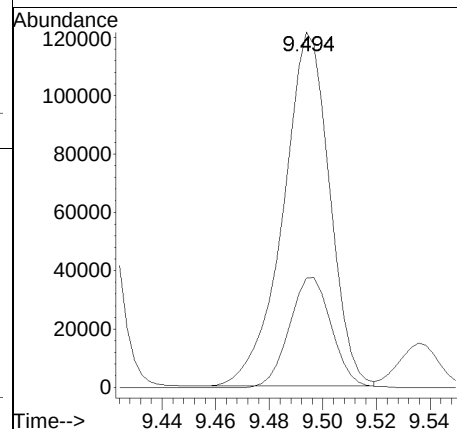
Tgt	Ion	Ratio	Lower	Upper
105	100			
120	29.2	18.1	37.7	

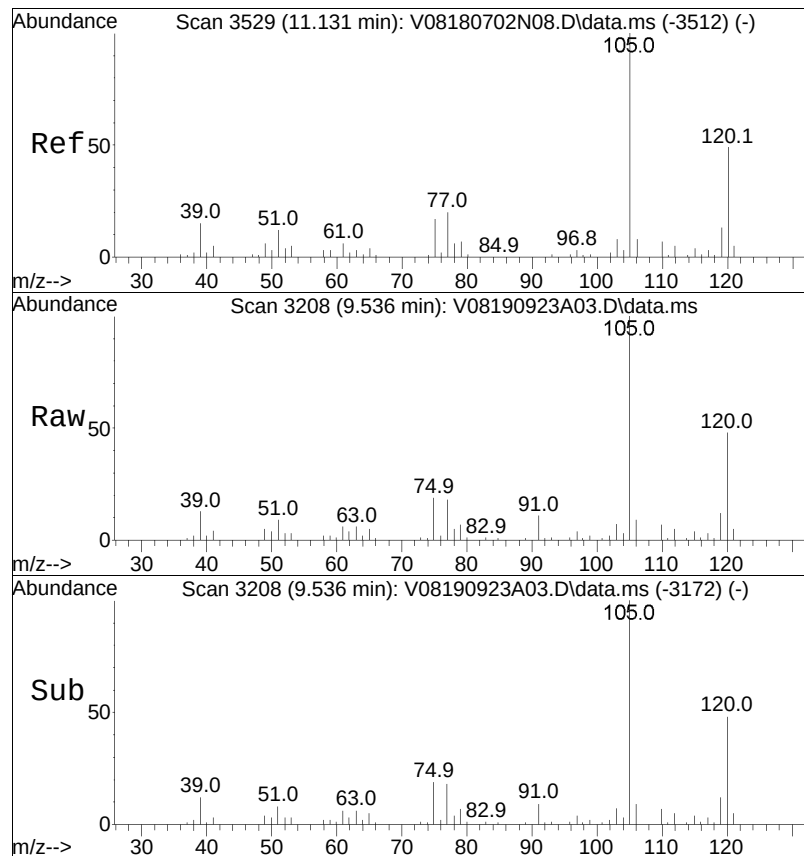




#89
 2-Chlorotoluene
 Concen: 8.83 ug/L
 RT: 9.494 min Scan# 3193
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

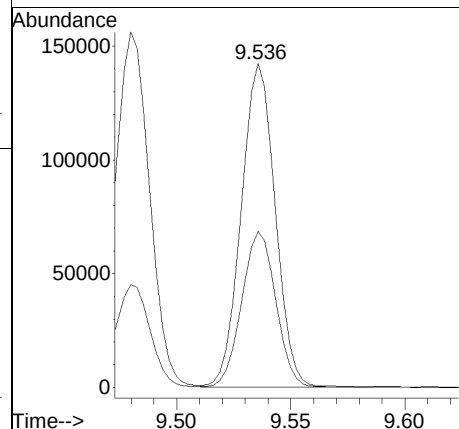
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	146366		
126	28.2		21.5	32.3

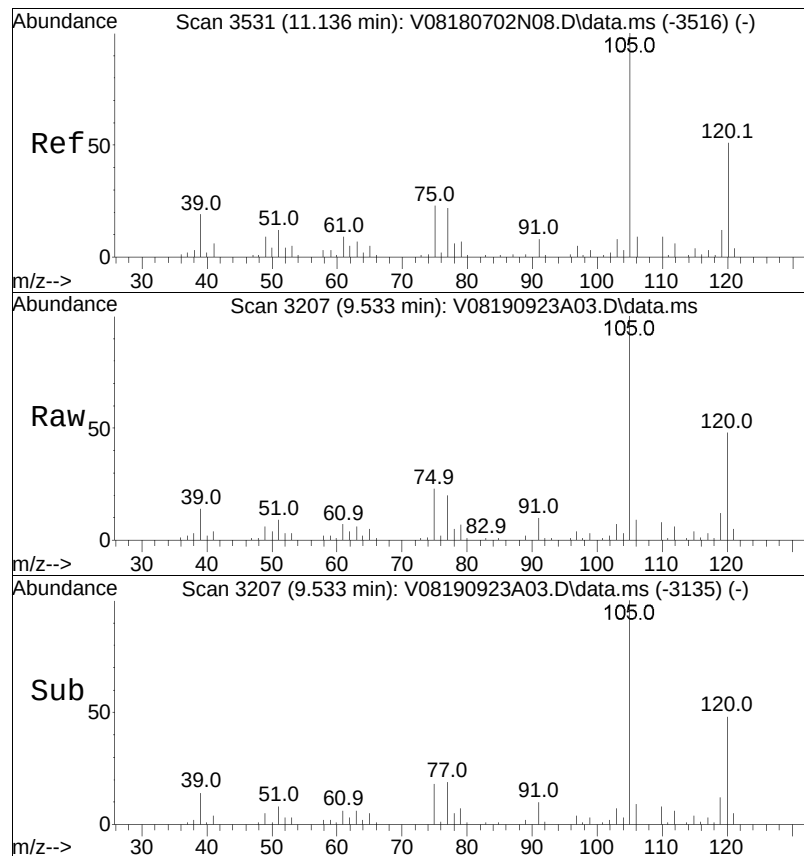




#90
 1,3,5-Trimethylbenzene
 Concen: 8.68 ug/L
 RT: 9.536 min Scan# 3208
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

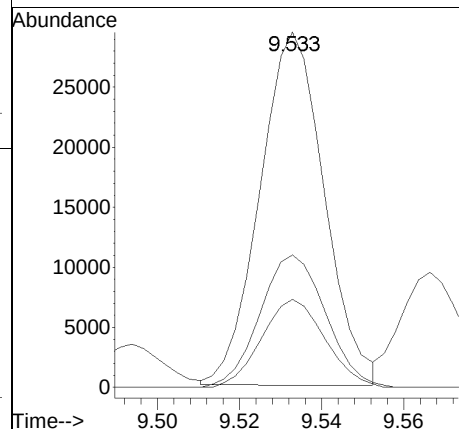
Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.6	34.8	52.2

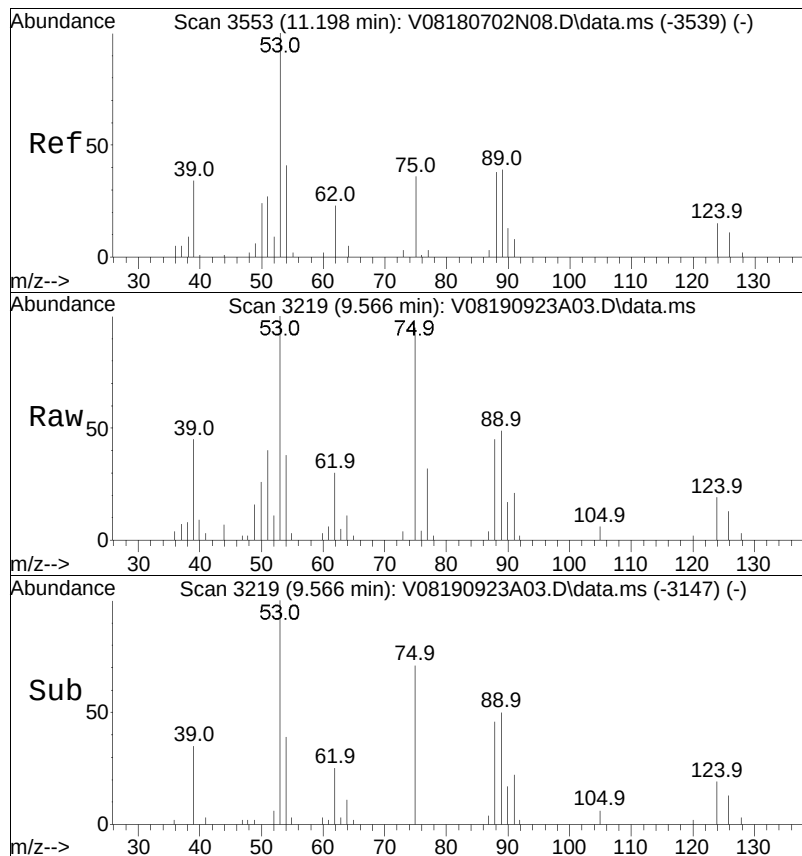




#91
 1,2,3-Trichloropropane
 Concen: 9.52 ug/L
 RT: 9.533 min Scan# 3207
 Delta R.T. -0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

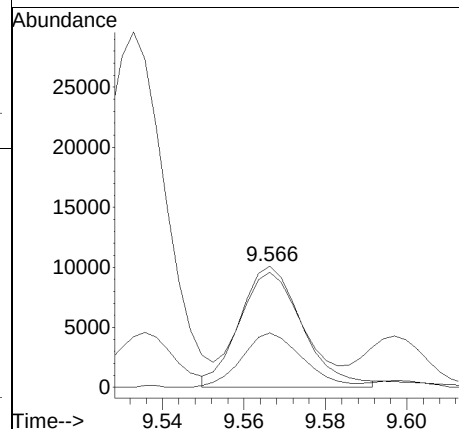
Tgt Ion: 75	Resp: 31990
Ion Ratio	Lower Upper
75 100	
110 38.2	25.4 52.8
112 24.6	15.6 32.4

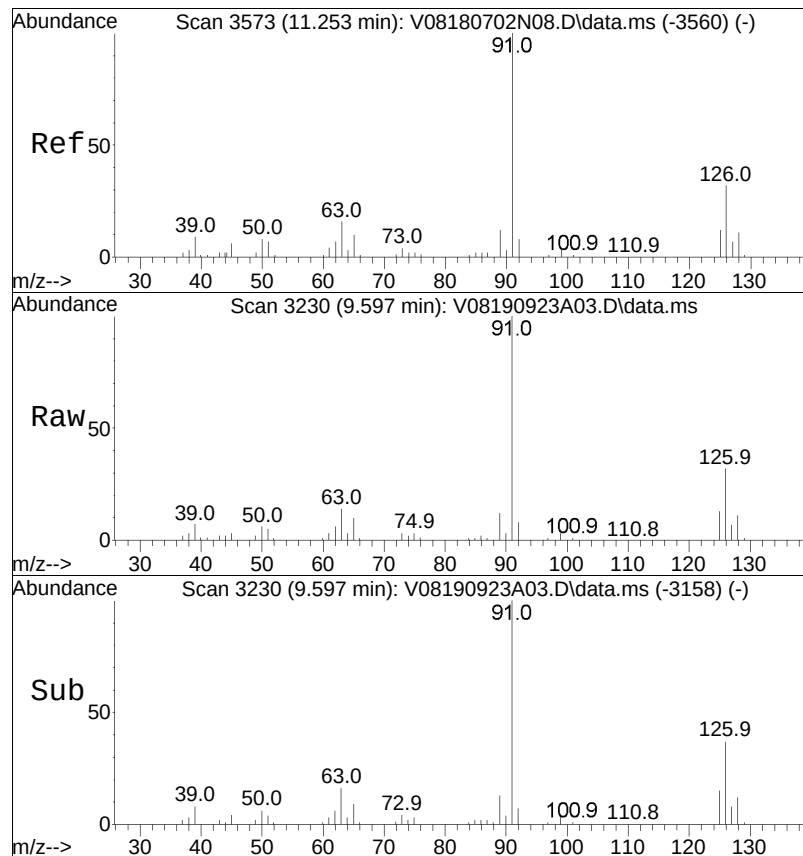




#92
 trans-1,4-Dichloro-2-butene
 Concen: 9.41 ug/L M1
 RT: 9.566 min Scan# 3219
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

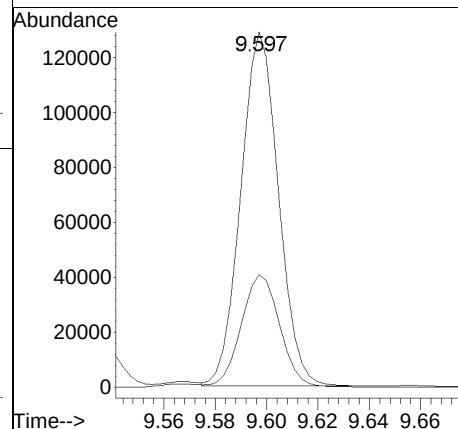
Tgt Ion	Ratio	Lower	Upper
53	100		
88	44.0	39.6	59.4
75	92.7	70.2	105.4

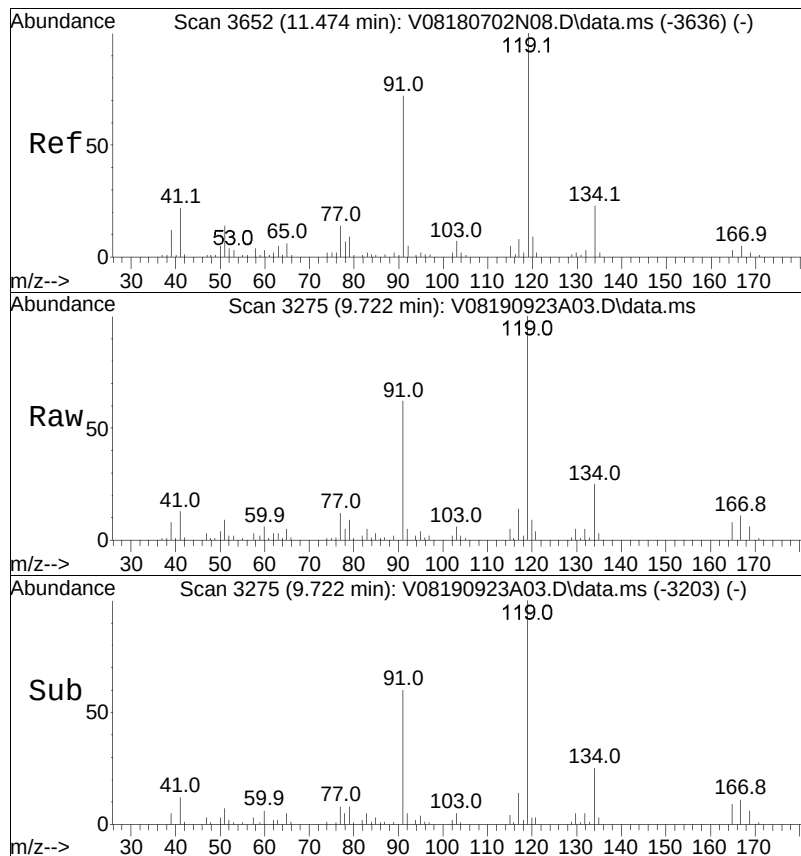




#93
 4-Chlorotoluene
 Concen: 8.75 ug/L
 RT: 9.597 min Scan# 3230
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

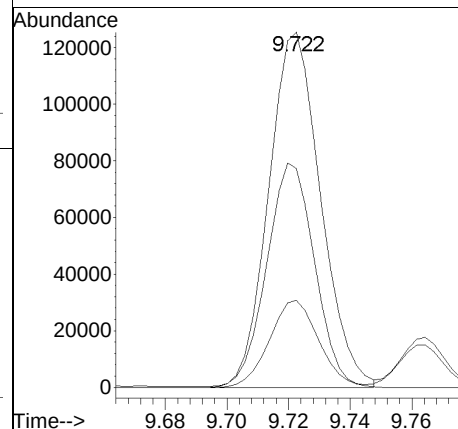
Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	24.6	36.8

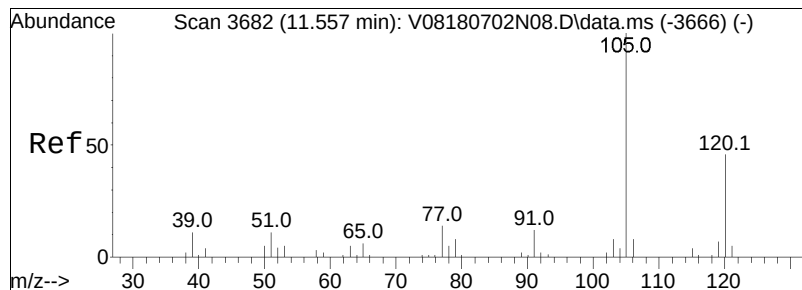




#94
 tert-Butylbenzene
 Concen: 8.67 ug/L
 RT: 9.722 min Scan# 3275
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

Tgt	Ion:119	Resp:	146863
Ion	Ratio	Lower	Upper
119	100		
91	57.7	51.4	77.2
134	23.2	18.3	27.5





#97

1,2,4-Trimethylbenzene

Concen: 8.55 ug/L

RT: 9.764 min Scan# 3290

Delta R.T. 0.000 min

Lab File: V08190923A03.D

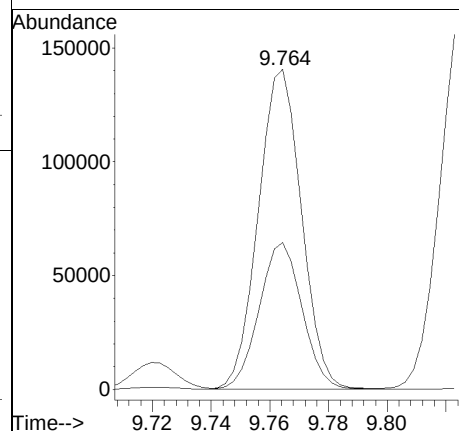
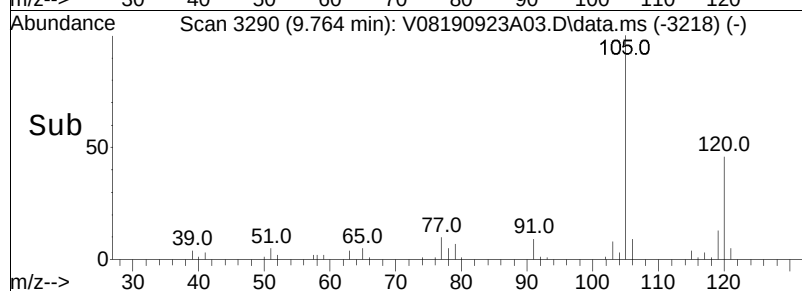
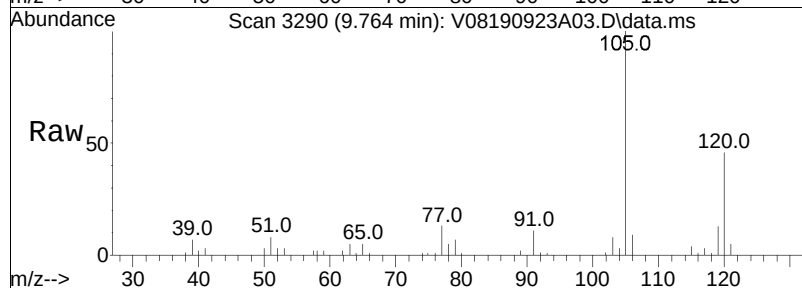
Acq: 23 Sep 2019 7:12

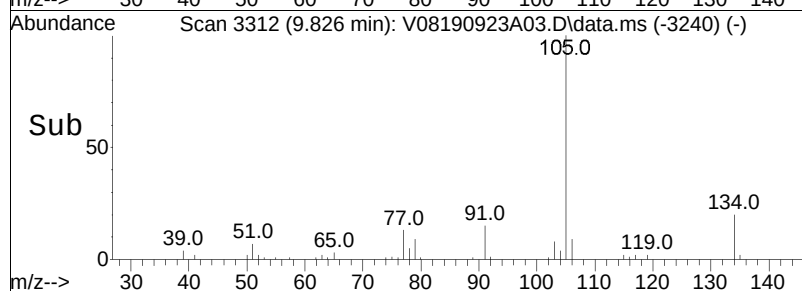
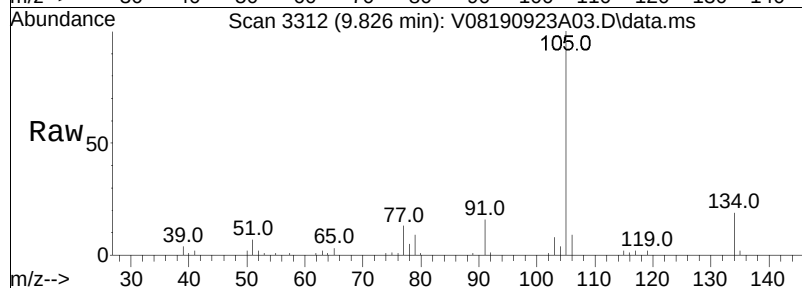
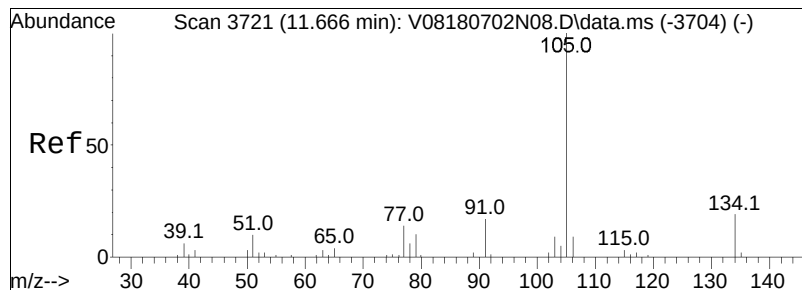
Tgt Ion:105 Resp: 143416

Ion Ratio Lower Upper

105 100

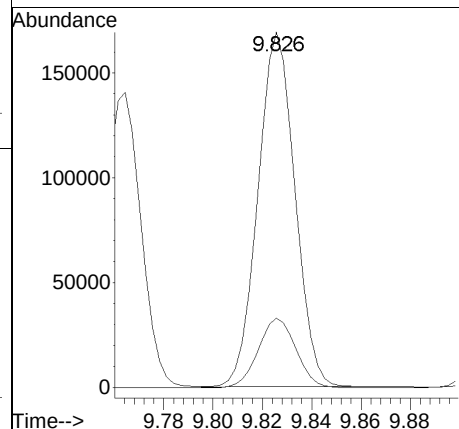
120 45.4 33.4 50.0

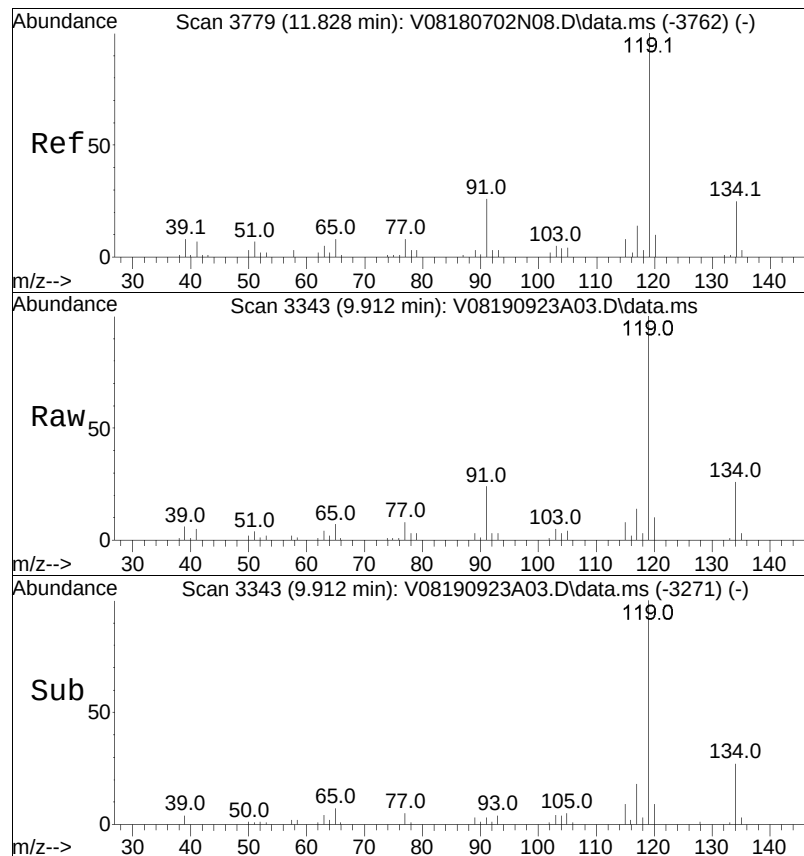




#98
 sec-Butylbenzene
 Concen: 8.81 ug/L
 RT: 9.826 min Scan# 3312
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

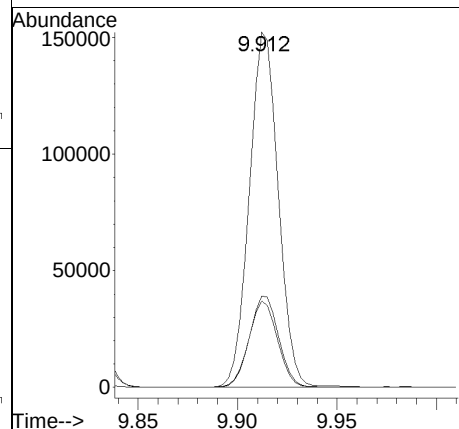
Tgt	Ion	Ratio	Lower	Upper
105	100			
134	19.6	12.5	26.1	

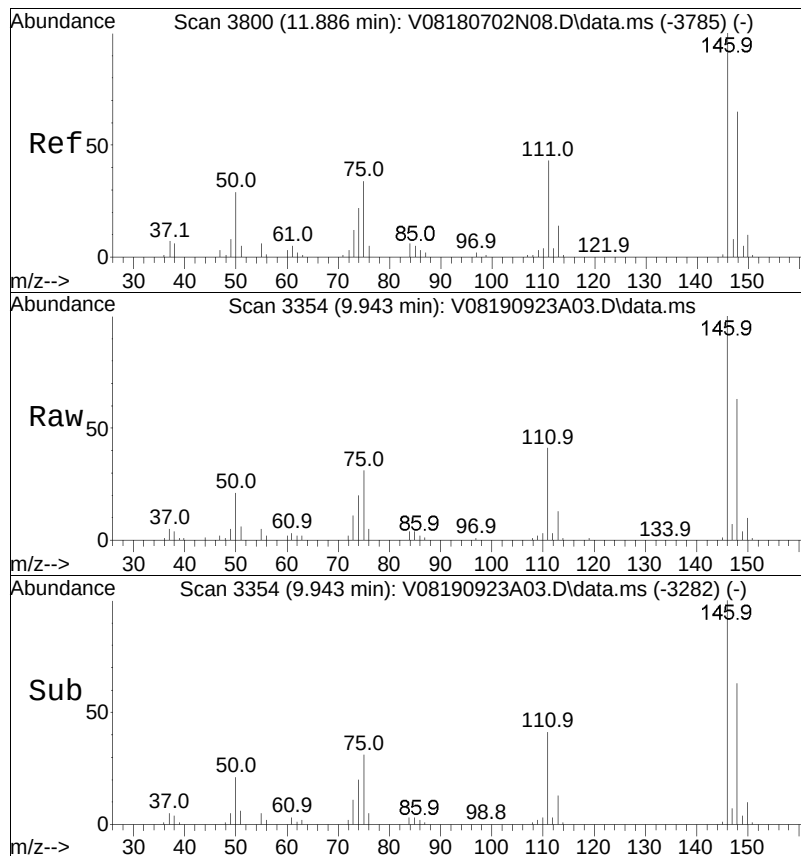




#99
 p-Isopropyltoluene
 Concen: 8.68 ug/L
 RT: 9.912 min Scan# 3343
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

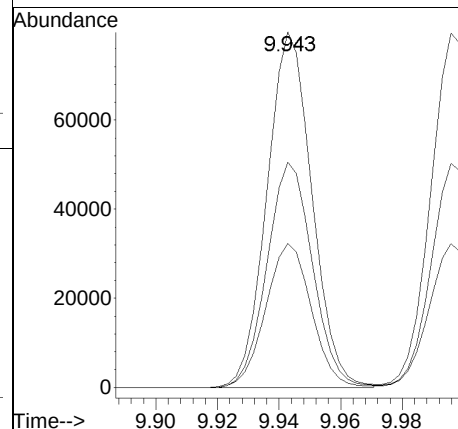
Tgt Ion:	119	Resp:	154820
Ion Ratio	Lower	Upper	
119	100		
134	25.9	16.1	33.3
91	24.2	17.3	35.9

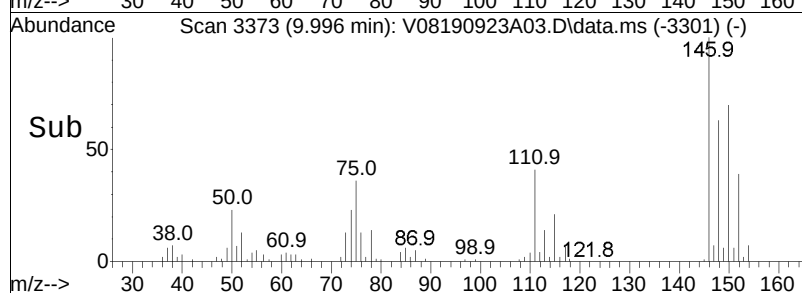
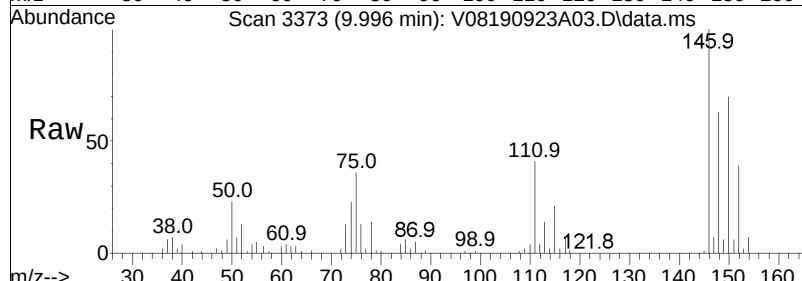
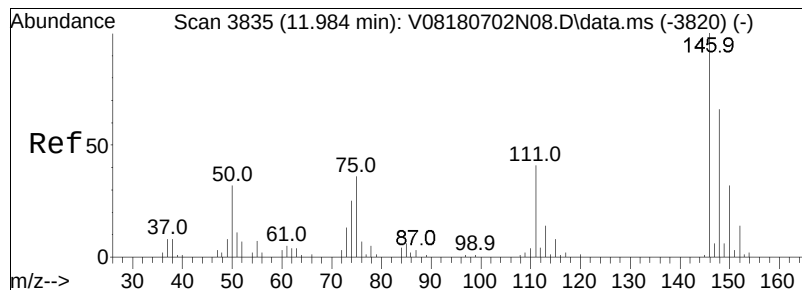




#100
 1,3-Dichlorobenzene
 Concen: 8.57 ug/L
 RT: 9.943 min Scan# 3354
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

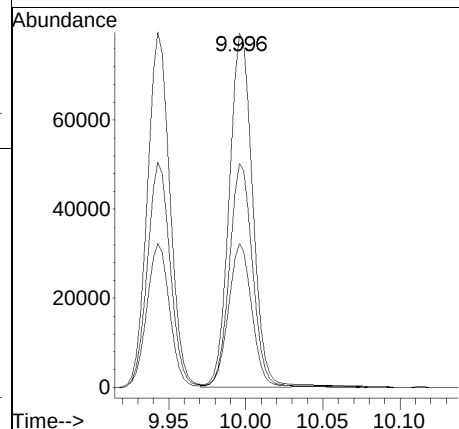
Tgt Ion:	146	Resp:	80972
Ion Ratio	Lower	Upper	
146	100		
111	41.0	27.5	57.1
148	64.2	41.9	86.9

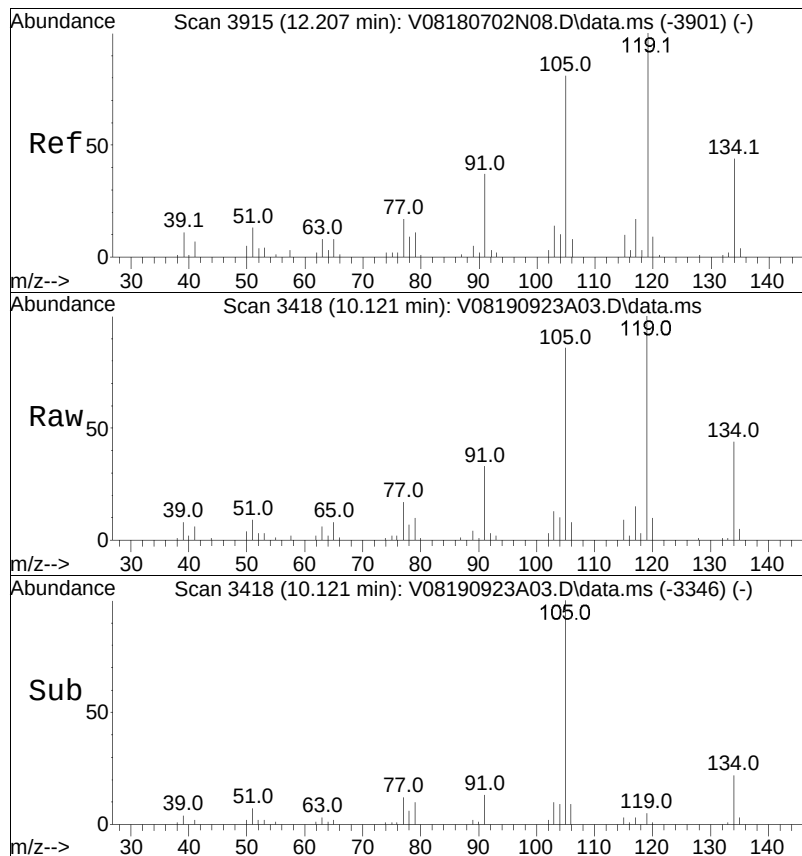




#101
 1,4-Dichlorobenzene
 Concen: 8.63 ug/L
 RT: 9.996 min Scan# 3373
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

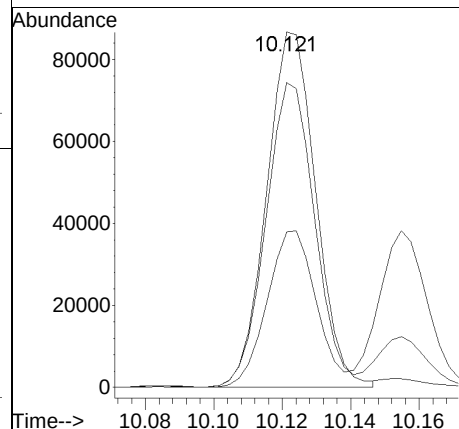
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	32.3	48.5
148	61.3	49.9	74.9

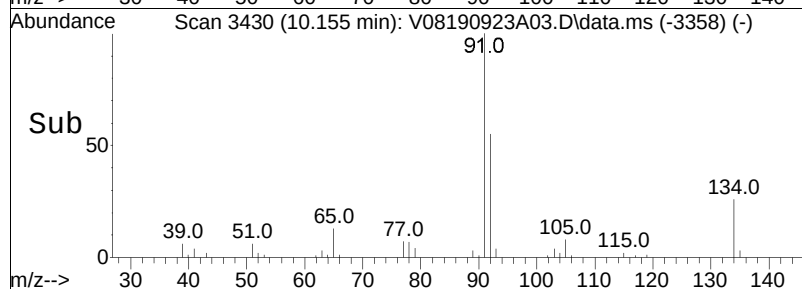
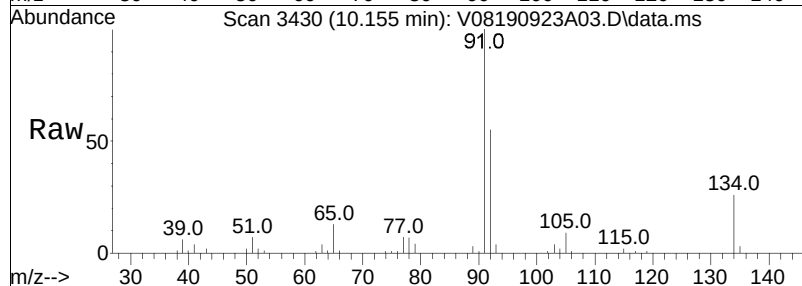
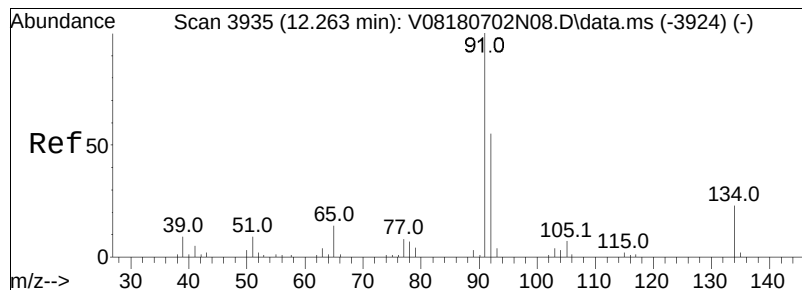




#102
 p-Diethylbenzene
 Concen: 8.49 ug/L
 RT: 10.121 min Scan# 3418
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

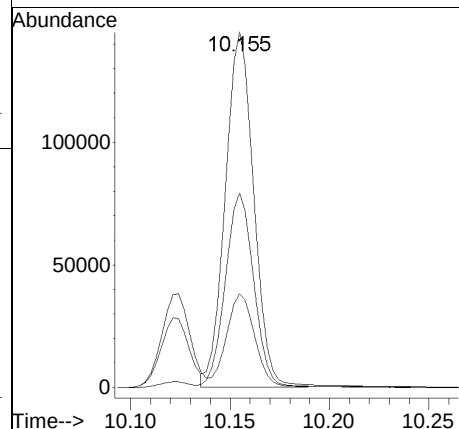
Tgt Ion:	119	Resp:	86560
Ion Ratio	Lower	Upper	
119	100		
105	85.2	59.5	123.7
134	43.8	30.2	62.6

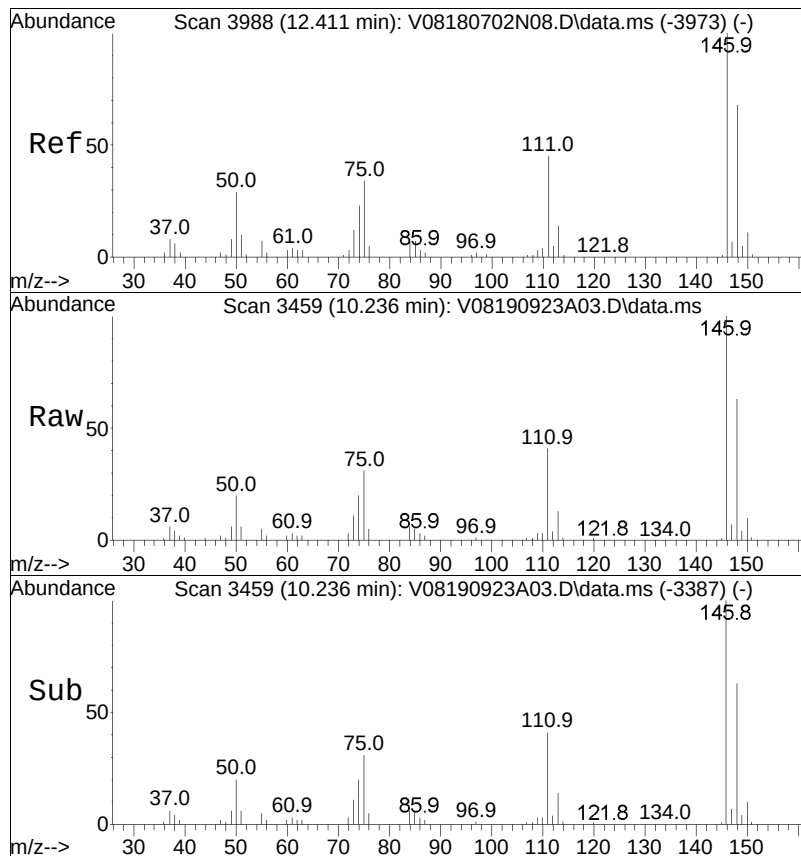




#103
 n-Butylbenzene
 Concen: 8.80 ug/L
 RT: 10.155 min Scan# 3430
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

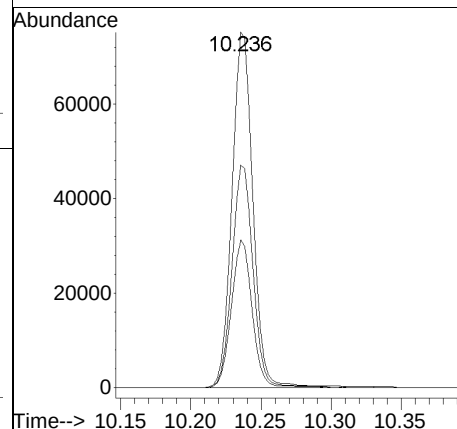
Tgt Ion:	91	92	134
Ratio	100	54.6	25.9
Lower		43.0	19.6
Upper		64.4	29.4

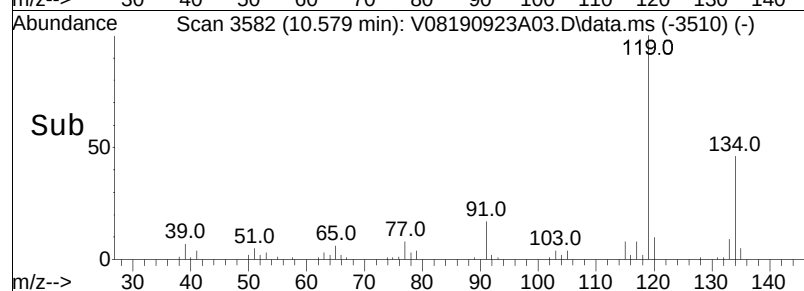
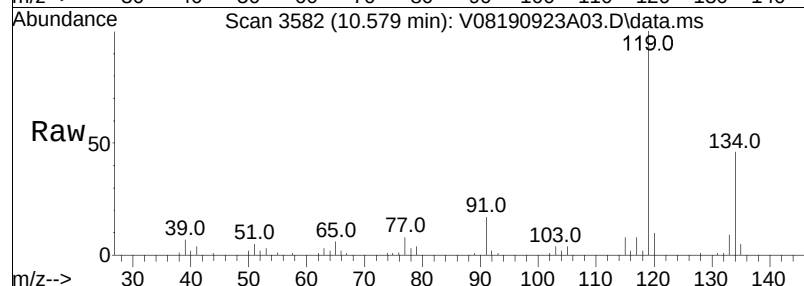
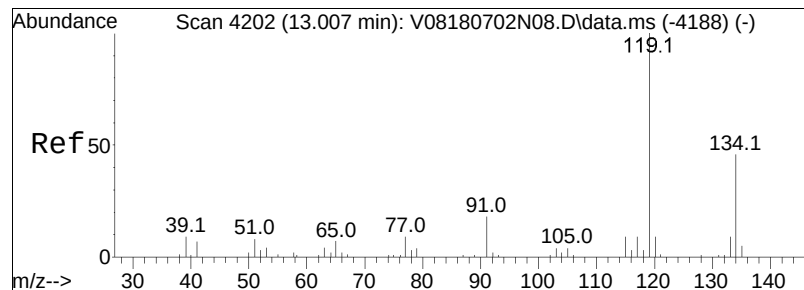




#104
 1,2-Dichlorobenzene
 Concen: 8.72 ug/L
 RT: 10.236 min Scan# 3459
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

Tgt Ion:	146	Resp:	78186
Ion Ratio	Lower	Upper	
146	100		
111	41.0	28.3	58.7
148	62.6	42.3	87.8





#105

1,2,4,5-Tetramethylbenzene

Concen: 8.28 ug/L

RT: 10.579 min Scan# 3582

Delta R.T. 0.000 min

Lab File: V08190923A03.D

Acq: 23 Sep 2019 7:12

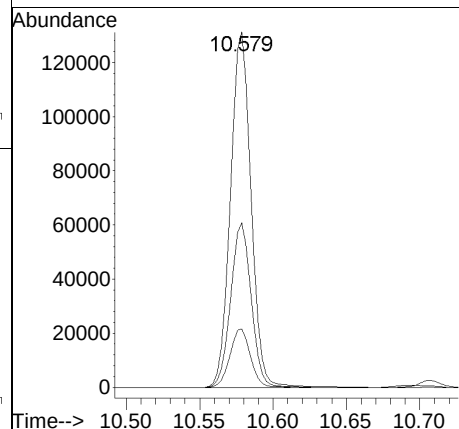
Tgt Ion:119 Resp: 128014

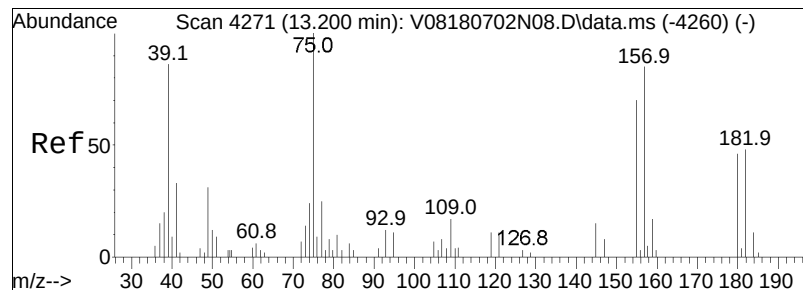
Ion Ratio Lower Upper

119 100

134 46.2 30.5 63.3

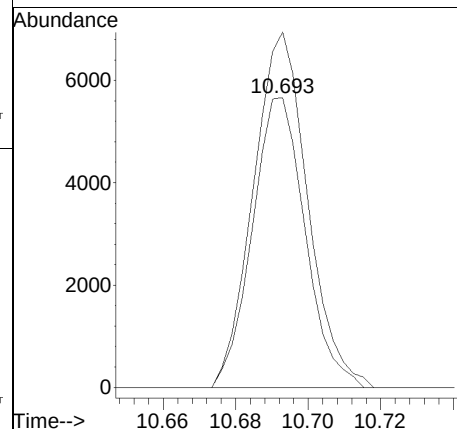
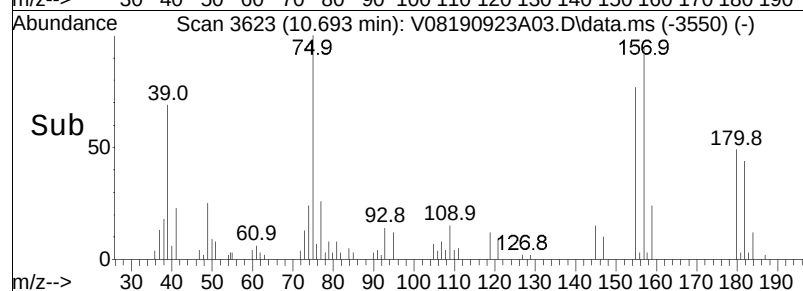
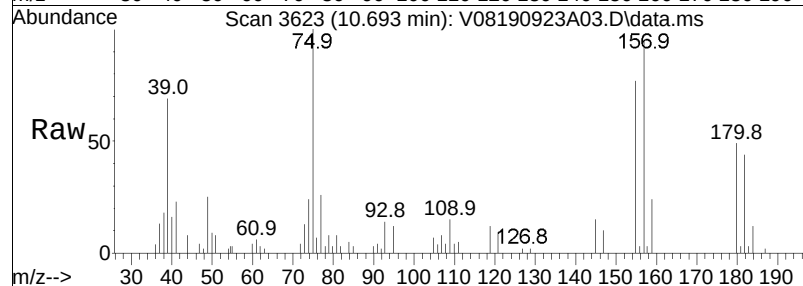
91 16.4 12.4 25.7

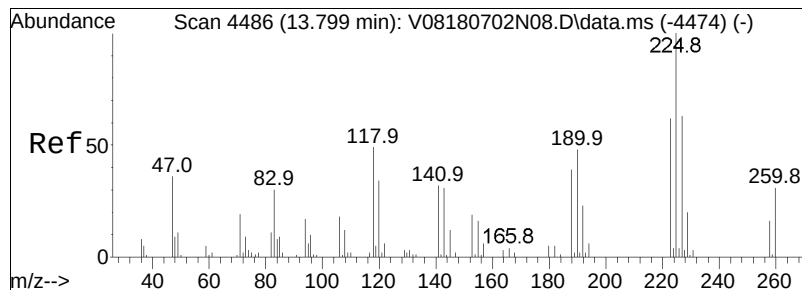




#106
 1,2-Dibromo-3-chloropropane
 Concen: 9.09 ug/L
 RT: 10.693 min Scan# 3623
 Delta R.T. 0.003 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

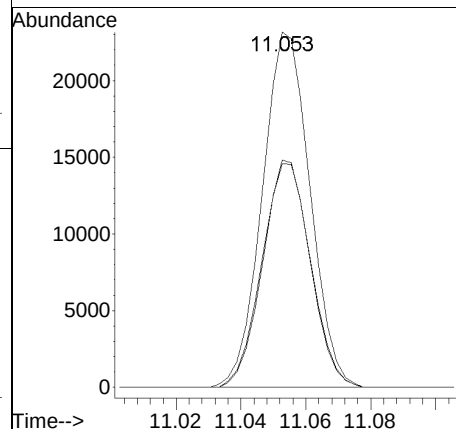
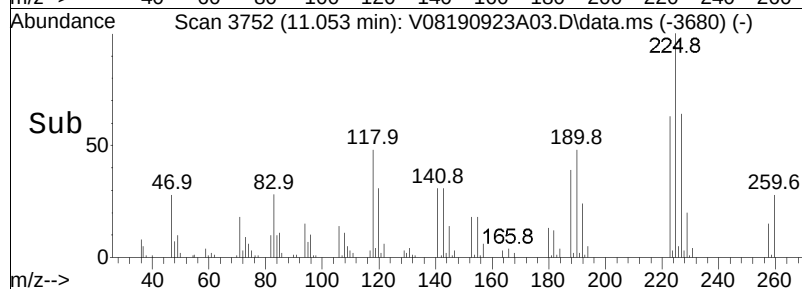
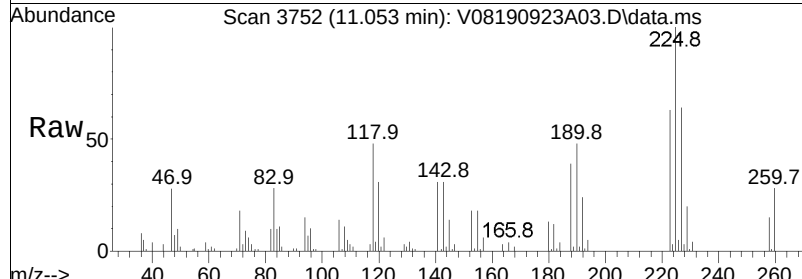
Tgt Ion:155 Resp: 5741
 Ion Ratio Lower Upper
 155 100
 157 125.9 94.8 142.2

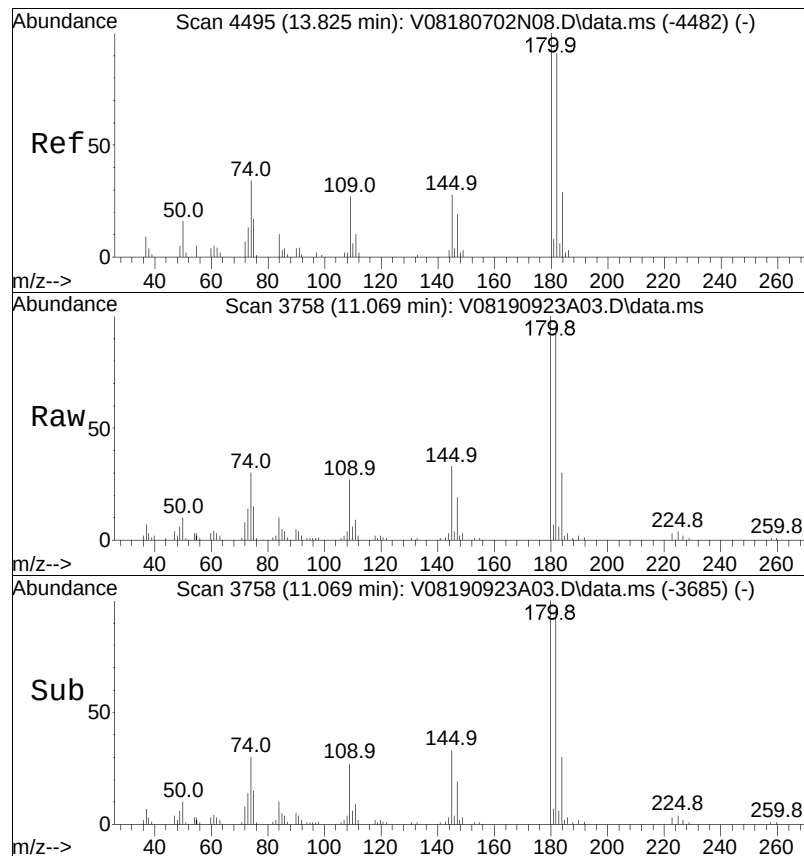




#108
 Hexachlorobutadiene
 Concen: 8.08 ug/L
 RT: 11.053 min Scan# 3752
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

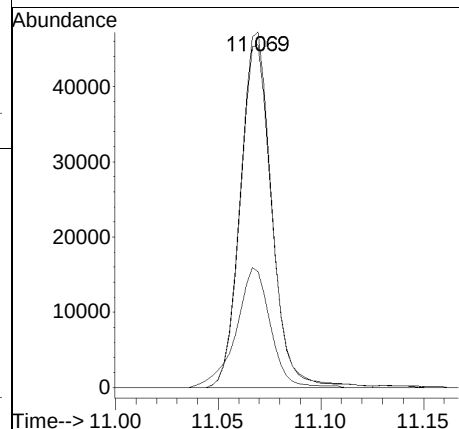
Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	54.3	81.5
227	63.5	52.4	78.6

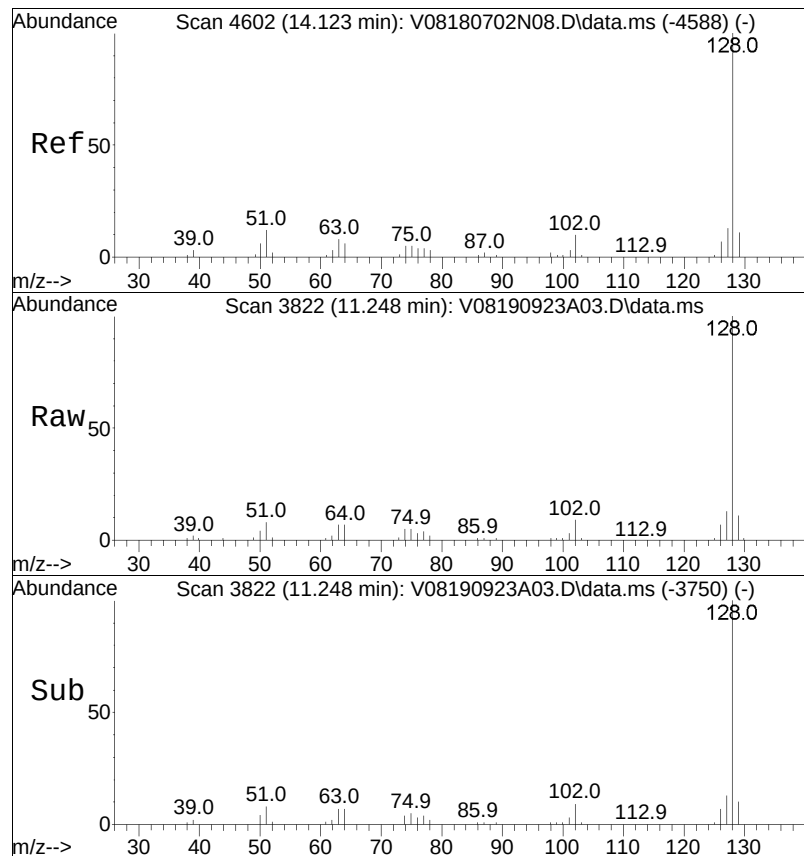




#109
 1,2,4-Trichlorobenzene
 Concen: 7.91 ug/L
 RT: 11.069 min Scan# 3758
 Delta R.T. 0.003 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

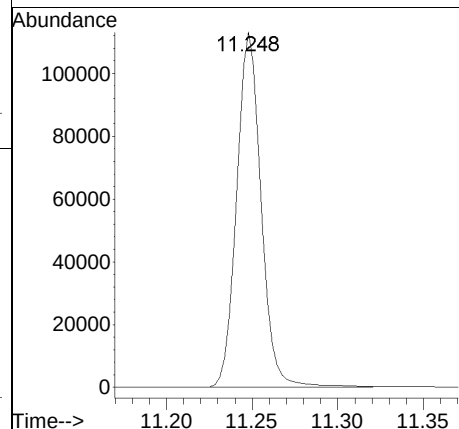
Tgt Ion:	180	Resp:	50066
Ion Ratio	Lower	Upper	
180	100		
182	97.3	77.3	115.9
145	36.7	28.1	42.1

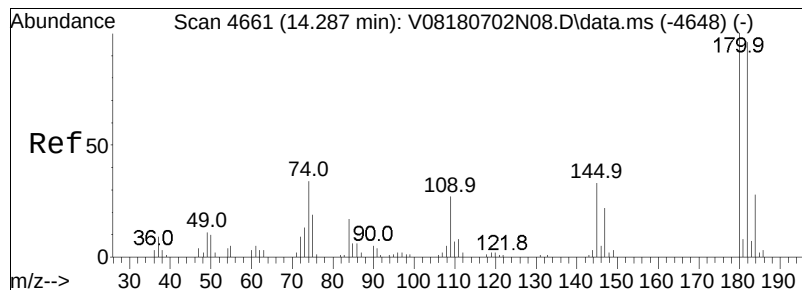




#110
 Naphthalene
 Concen: 8.31 ug/L
 RT: 11.248 min Scan# 3822
 Delta R.T. 0.000 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

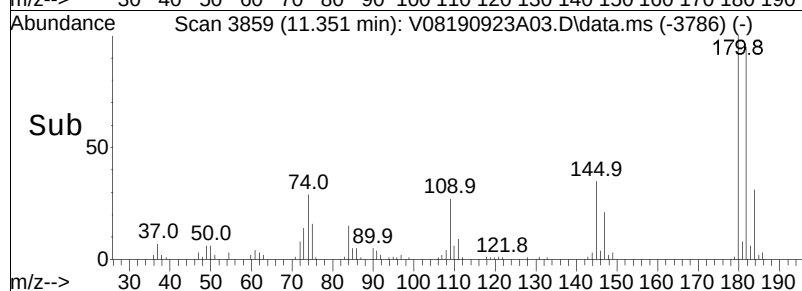
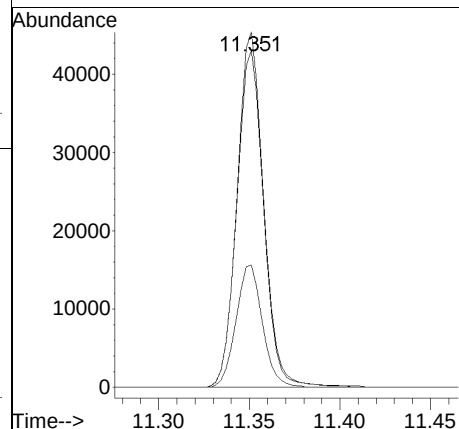
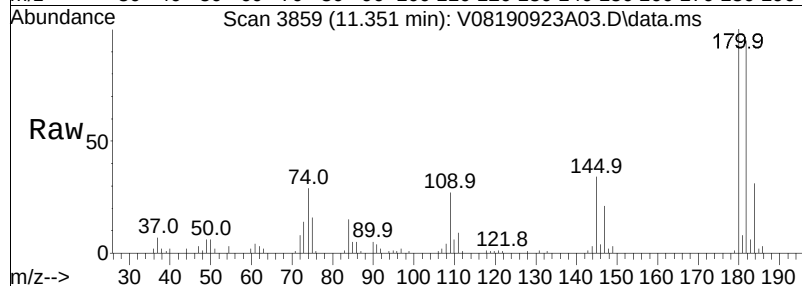
Tgt Ion:128 Resp: 112694





#111
 1,2,3-Trichlorobenzene
 Concen: 8.07 ug/L
 RT: 11.351 min Scan# 3859
 Delta R.T. 0.003 min
 Lab File: V08190923A03.D
 Acq: 23 Sep 2019 7:12

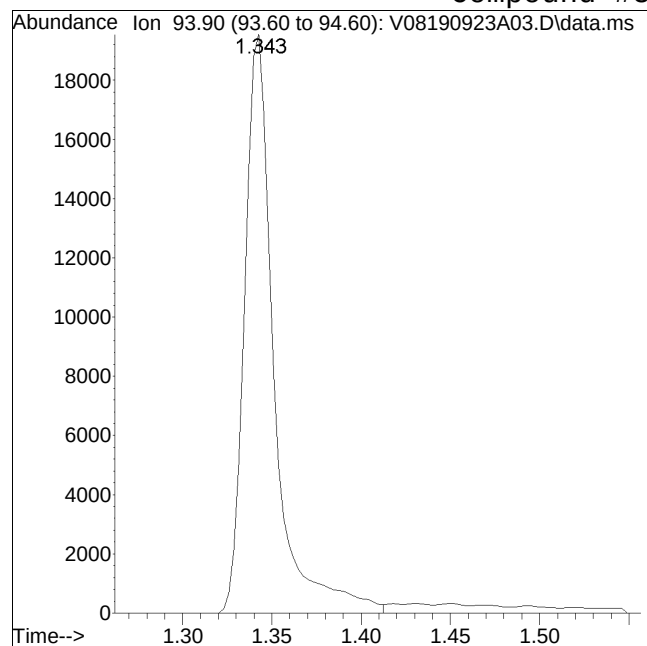
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.4	114.6
145	34.1	26.4	39.6



Manual Integration Report

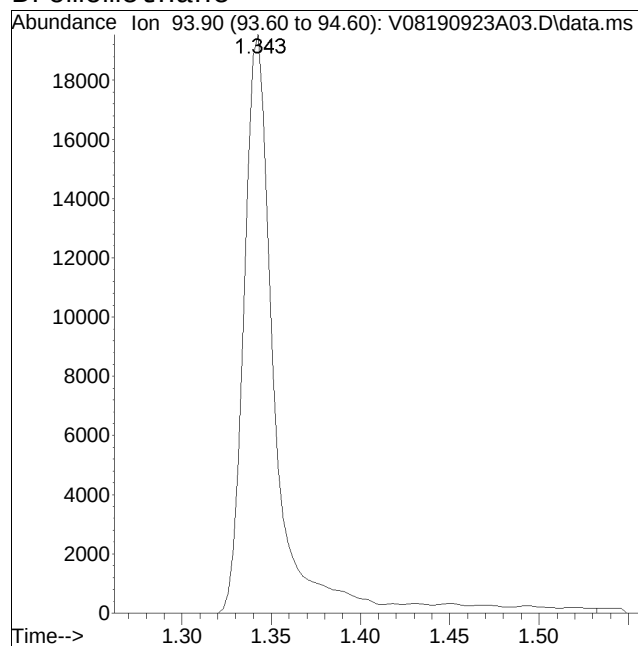
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A03.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 7:12 Instrument : VOA 108
Sample : WG1287429-4,31,10,10 Quant Date : 9/23/2019 7:32 am

Compound #5: Bromomethane



Original Peak Response = 22528

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

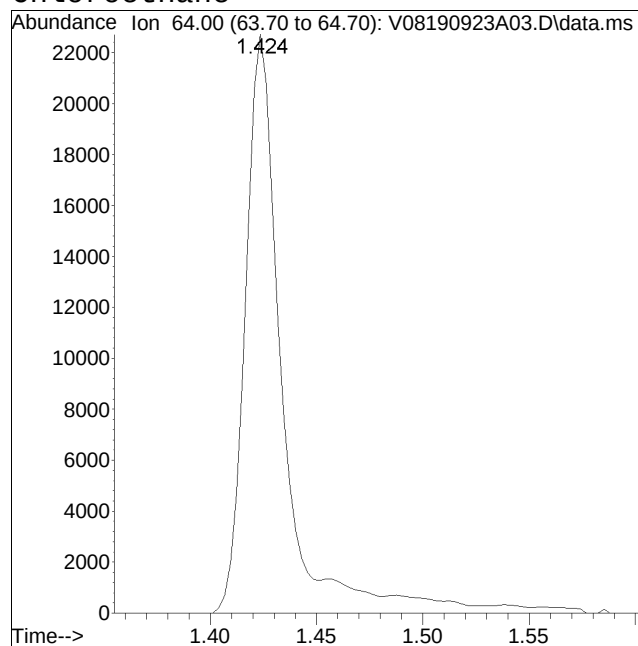
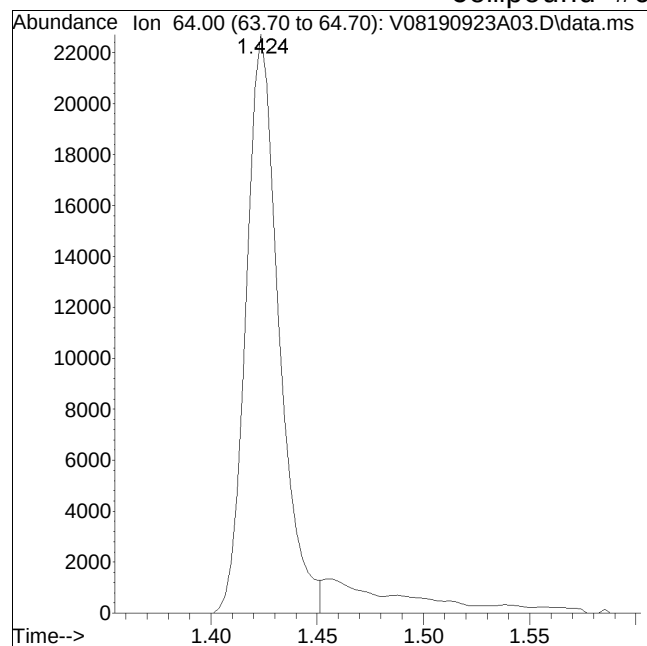


Manual Peak Response = 24289 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190923A03.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 7:12 Instrument : VOA 108
Sample : WG1287429-4,31,10,10 Quant Date : 9/23/2019 7:32 am

Compound #6: Chloroethane



Original Peak Response = 24421

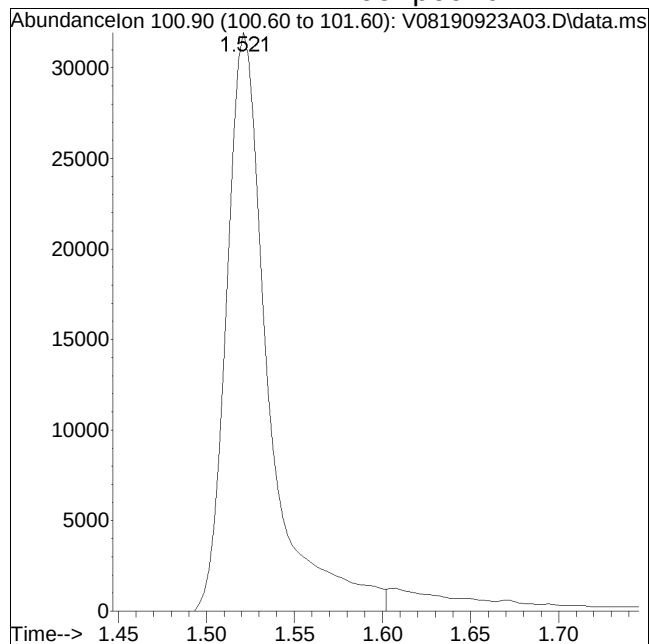
Manual Peak Response = 28255 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

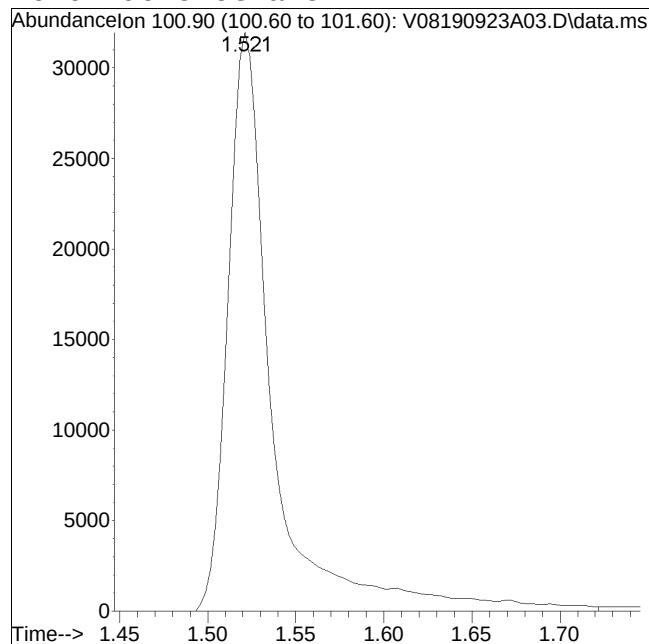
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A03.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 7:12 Instrument : VOA 108
Sample : WG1287429-4,31,10,10 Quant Date : 9/23/2019 7:32 am

Compound #7: Trichlorofluoromethane



Original Peak Response = 52543

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

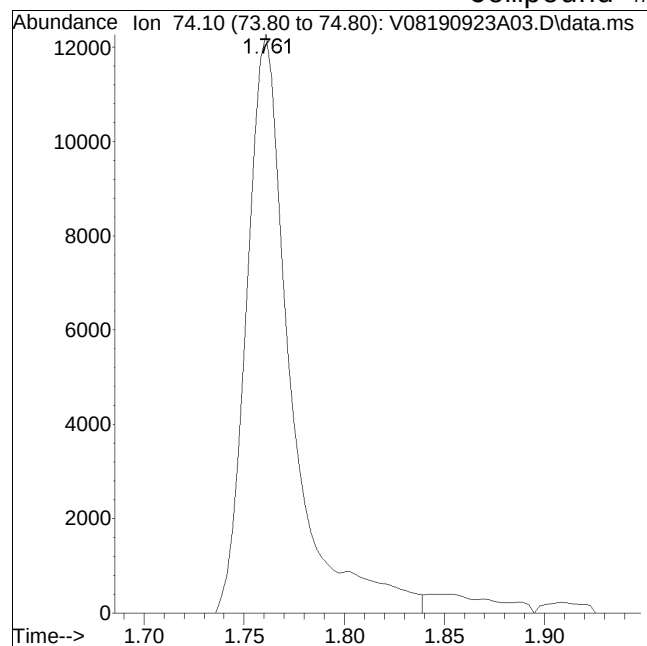


Manual Peak Response = 56990 M1

Manual Integration Report

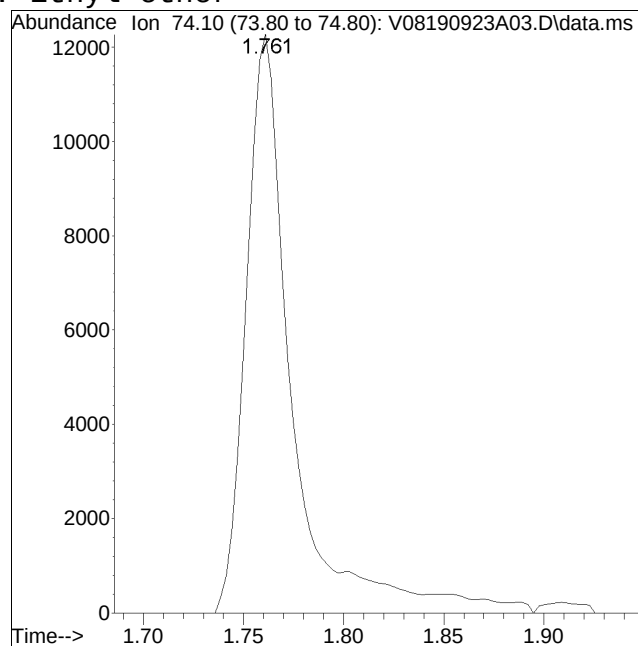
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A03.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 7:12 Instrument : VOA 108
Sample : WG1287429-4,31,10,10 Quant Date : 9/23/2019 7:32 am

Compound #8: Ethyl ether



Original Peak Response = 18820

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

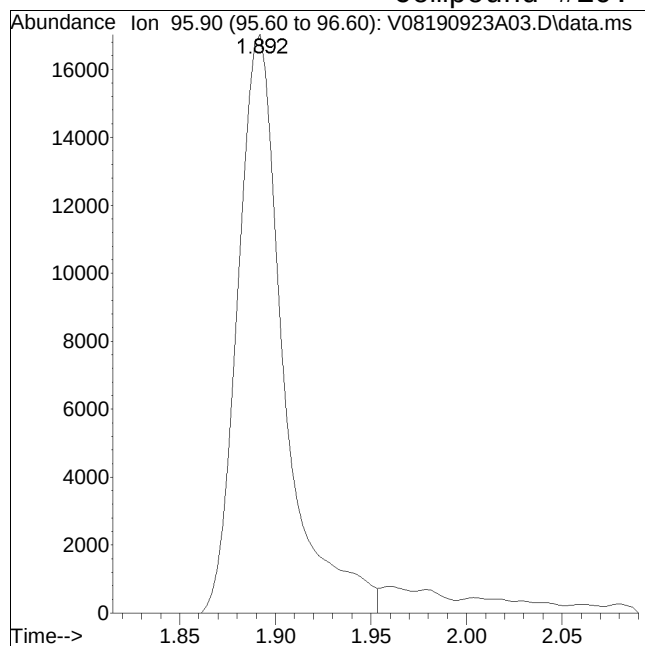


Manual Peak Response = 20105 M1

Manual Integration Report

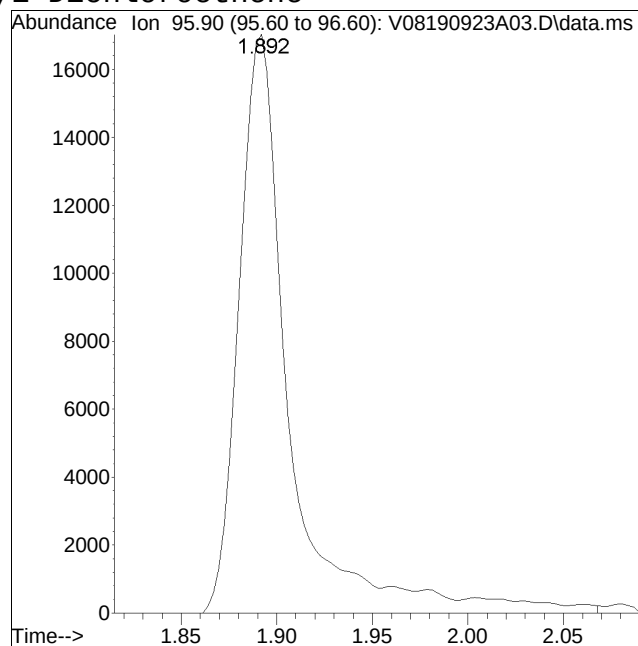
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A03.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 7:12 Instrument : VOA 108
Sample : WG1287429-4,31,10,10 Quant Date : 9/23/2019 7:32 am

Compound #10: 1,1-Dichloroethene



Original Peak Response = 28563

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

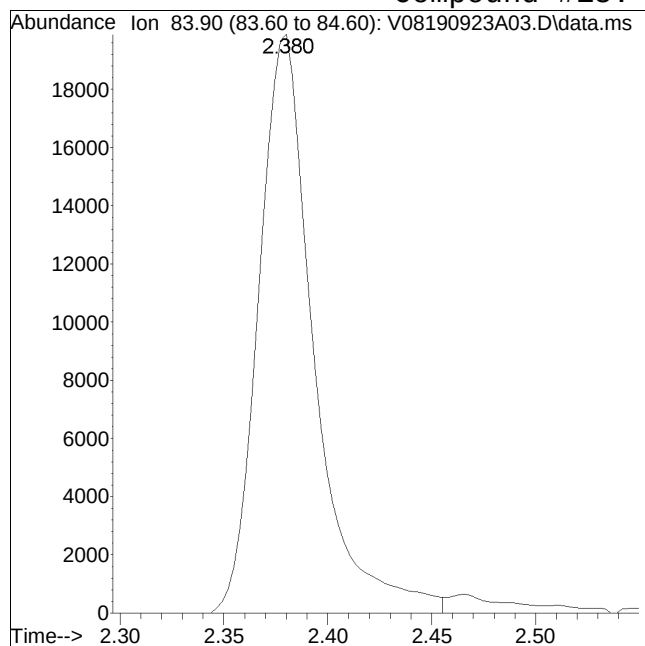


Manual Peak Response = 31569 M1

Manual Integration Report

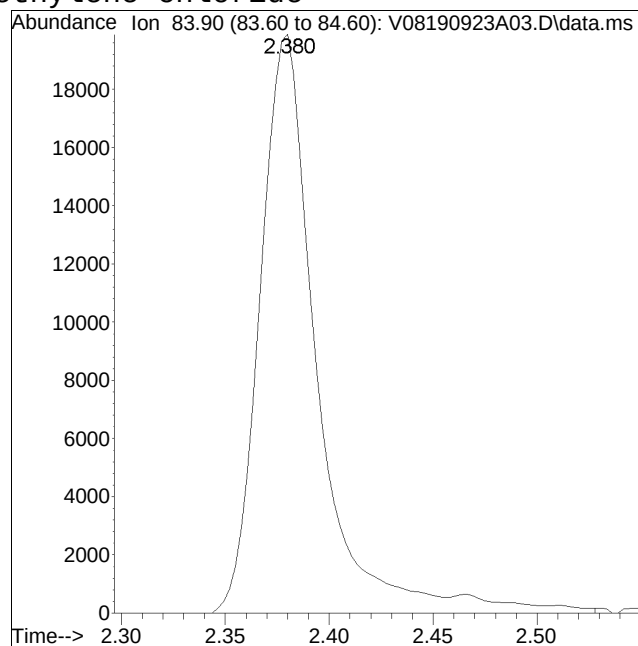
Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190923A03.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 7:12 Instrument : VOA 108
Sample : WG1287429-4,31,10,10 Quant Date : 9/23/2019 7:32 am

Compound #15: Methylene chloride



Original Peak Response = 36833

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

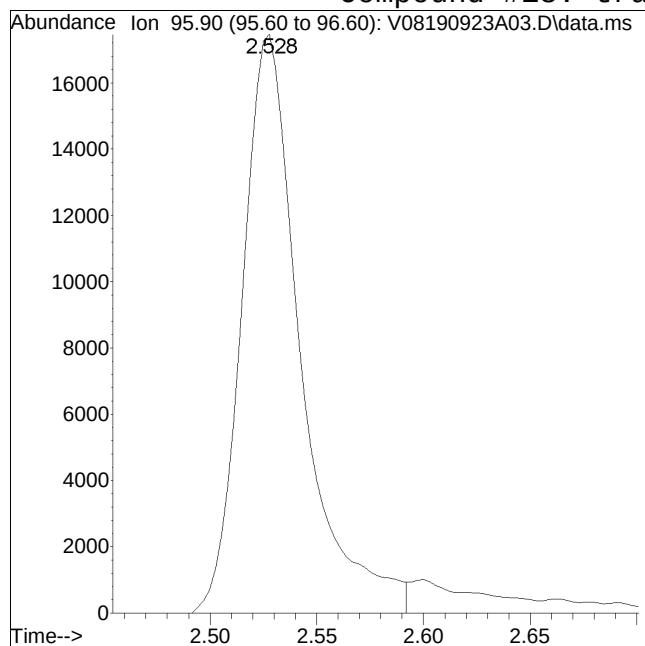


Manual Peak Response = 38353 M1

Manual Integration Report

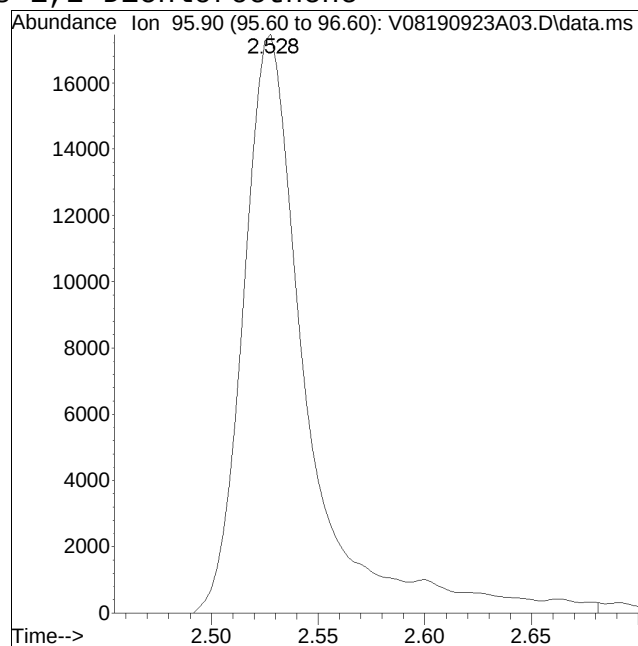
Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190923A03.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 7:12 Instrument : VOA 108
Sample : WG1287429-4,31,10,10 Quant Date : 9/23/2019 7:32 am

Compound #18: trans-1,2-Dichloroethene



Original Peak Response = 33398

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

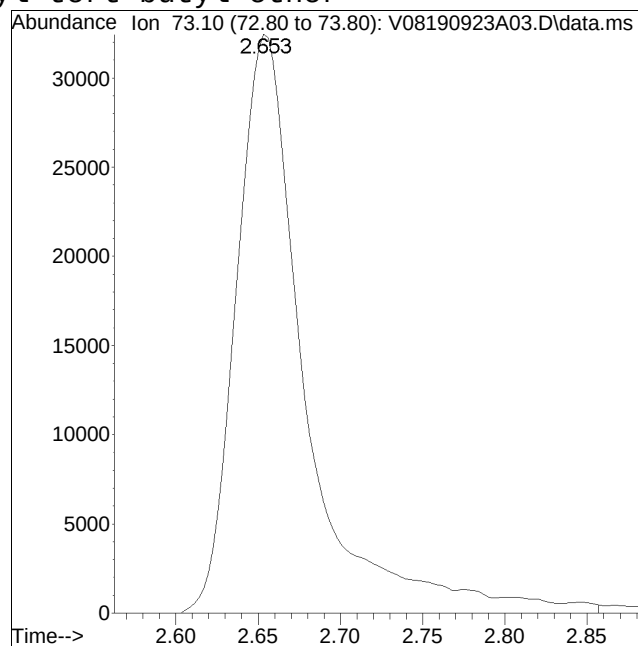
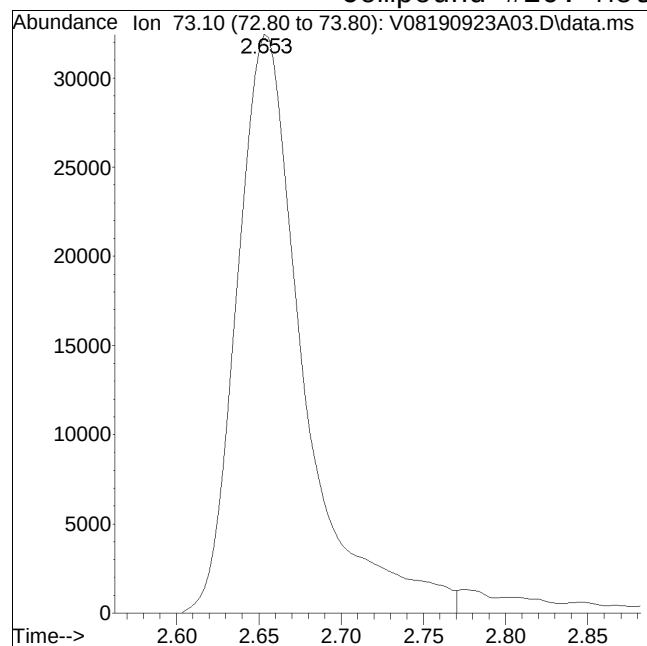


Manual Peak Response = 36343 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190923A03.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 7:12 Instrument : VOA 108
Sample : WG1287429-4,31,10,10 Quant Date : 9/23/2019 7:32 am

Compound #20: Methyl tert-butyl ether



Original Peak Response = 91378

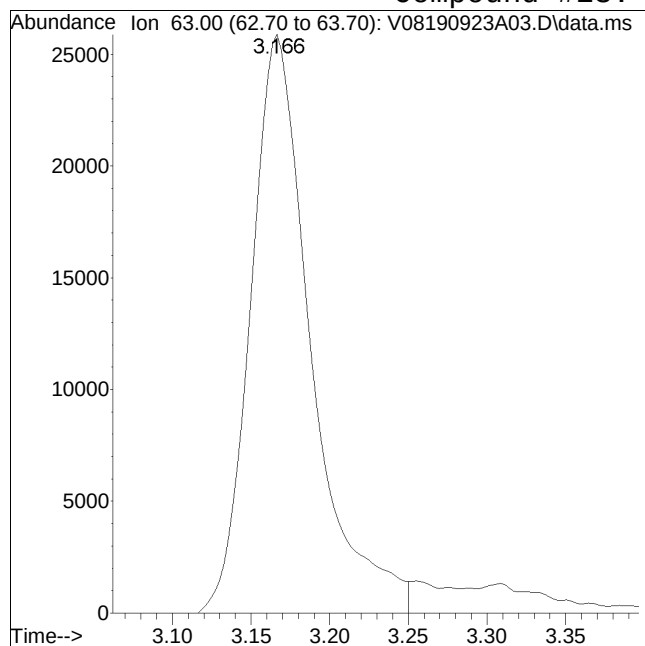
Manual Peak Response = 95573 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

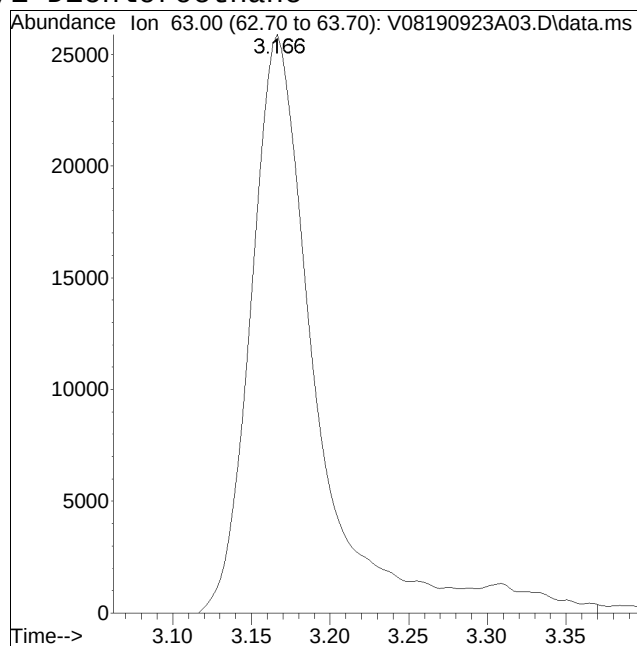
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A03.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 7:12 Instrument : VOA 108
Sample : WG1287429-4,31,10,10 Quant Date : 9/23/2019 7:32 am

Compound #23: 1,1-Dichloroethane



Original Peak Response = 68912

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

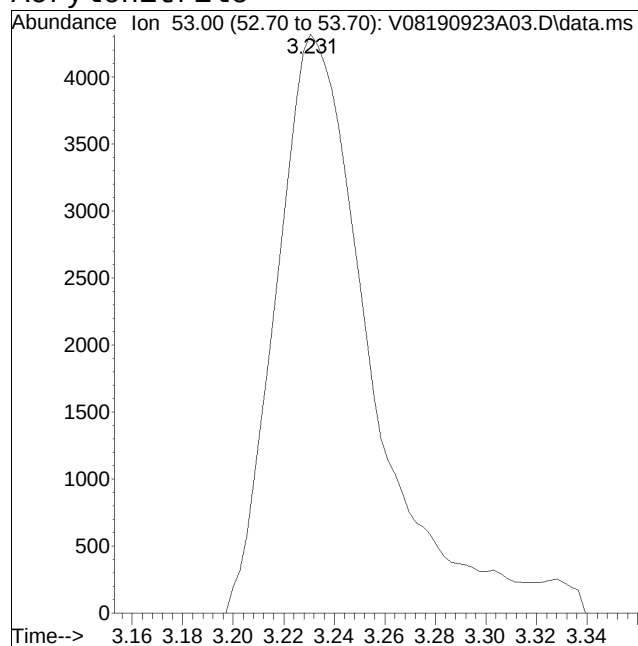
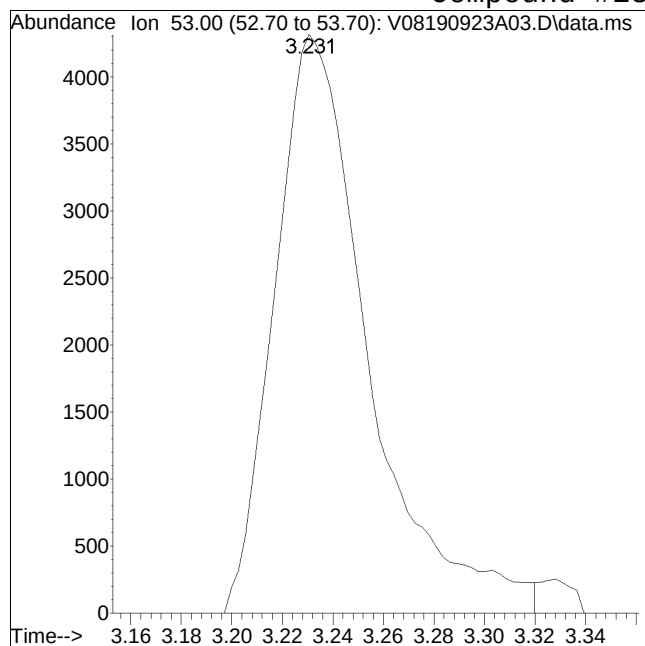


Manual Peak Response = 75832 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A03.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 7:12 Instrument : VOA 108
Sample : WG1287429-4,31,10,10 Quant Date : 9/23/2019 7:32 am

Compound #25: Acrylonitrile



Original Peak Response = 11070

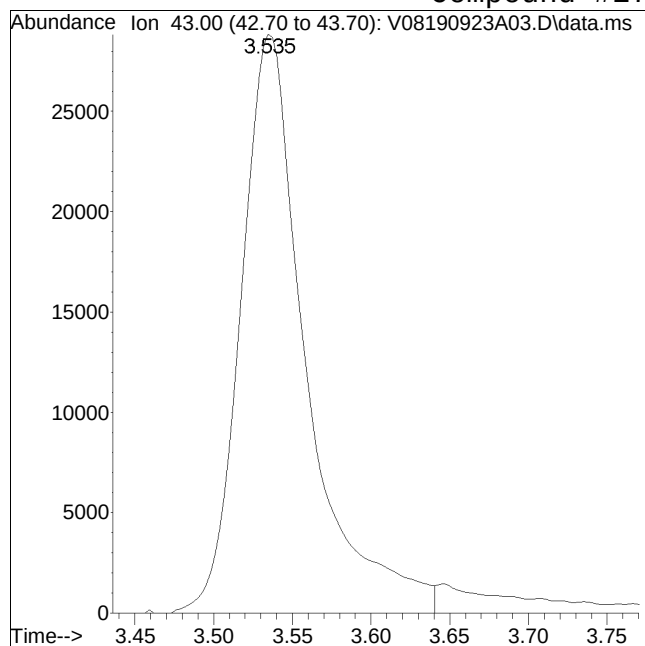
Manual Peak Response = 11290 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

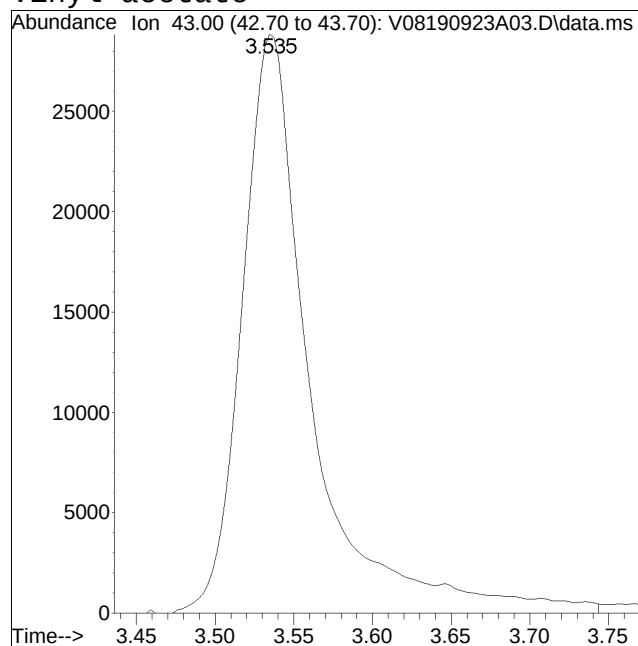
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A03.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 7:12 Instrument : VOA 108
Sample : WG1287429-4,31,10,10 Quant Date : 9/23/2019 7:32 am

Compound #27: Vinyl acetate



Original Peak Response = 83133

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

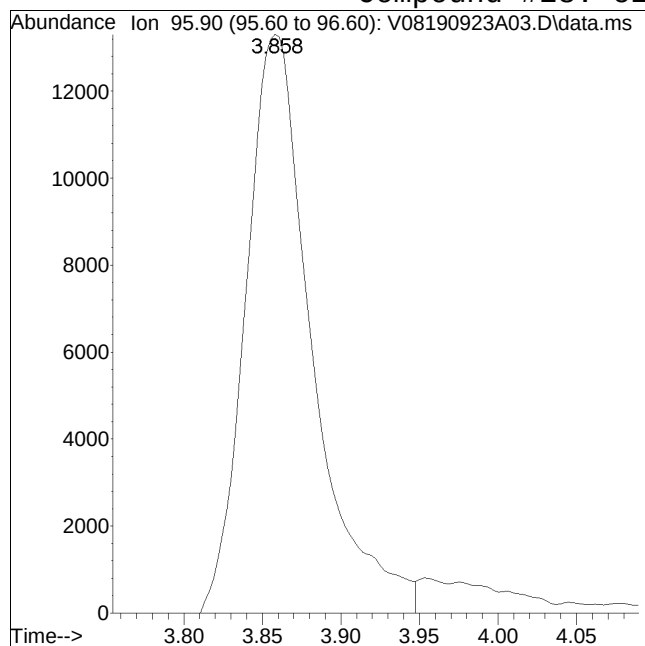


Manual Peak Response = 88219 M1

Manual Integration Report

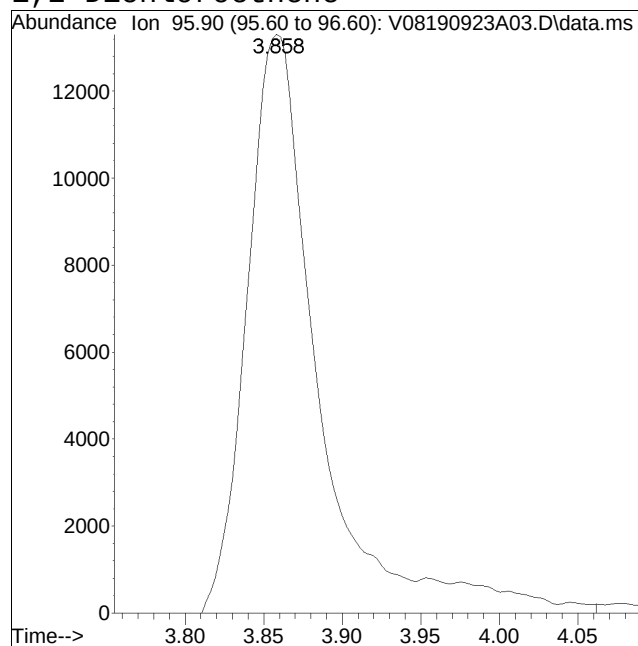
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A03.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 7:12 Instrument : VOA 108
Sample : WG1287429-4,31,10,10 Quant Date : 9/23/2019 7:32 am

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 38961

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

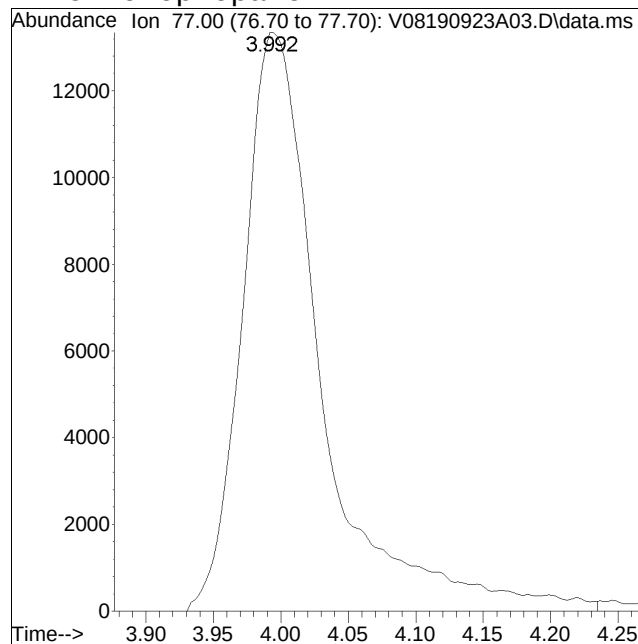
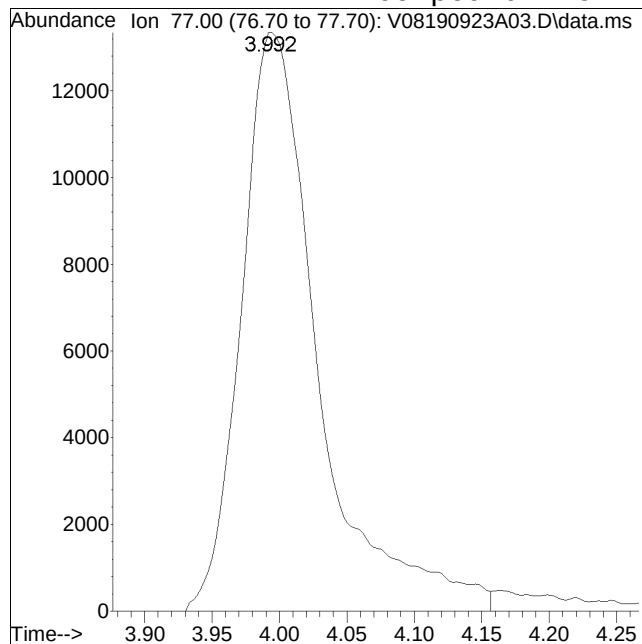


Manual Peak Response = 42253 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190923A03.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 7:12 Instrument : VOA 108
Sample : WG1287429-4,31,10,10 Quant Date : 9/23/2019 7:32 am

Compound #29: 2,2-Dichloropropane



Original Peak Response = 52866

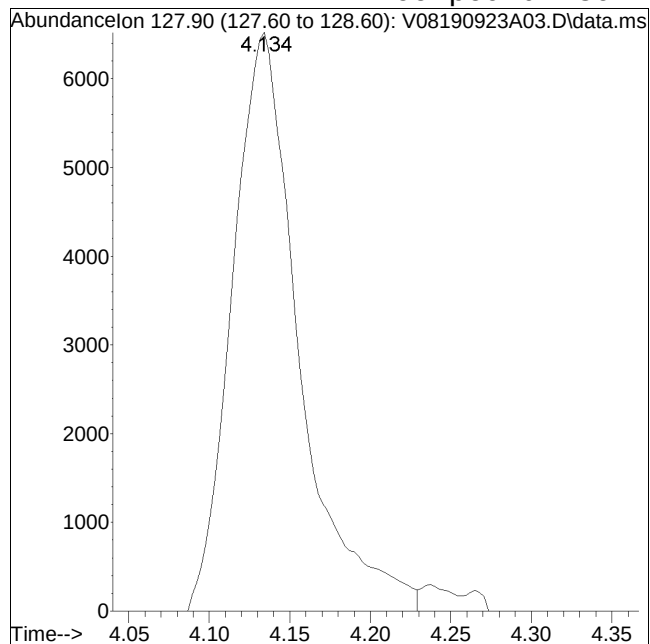
Manual Peak Response = 54475 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

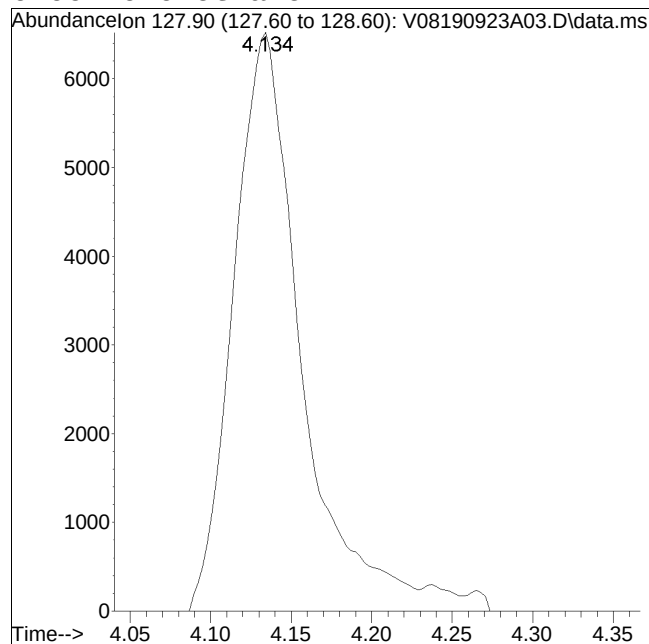
Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190923A03.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 7:12 Instrument : VOA 108
Sample : WG1287429-4,31,10,10 Quant Date : 9/23/2019 7:32 am

Compound #30: Bromochloromethane



Original Peak Response = 18808

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

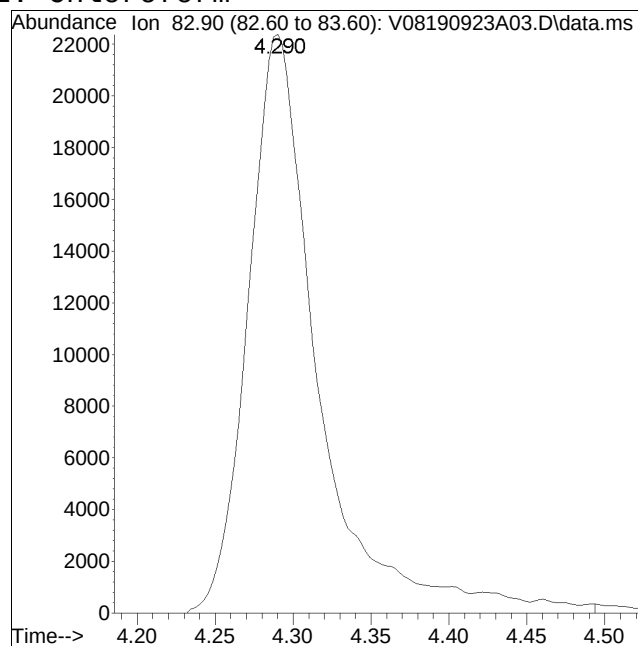
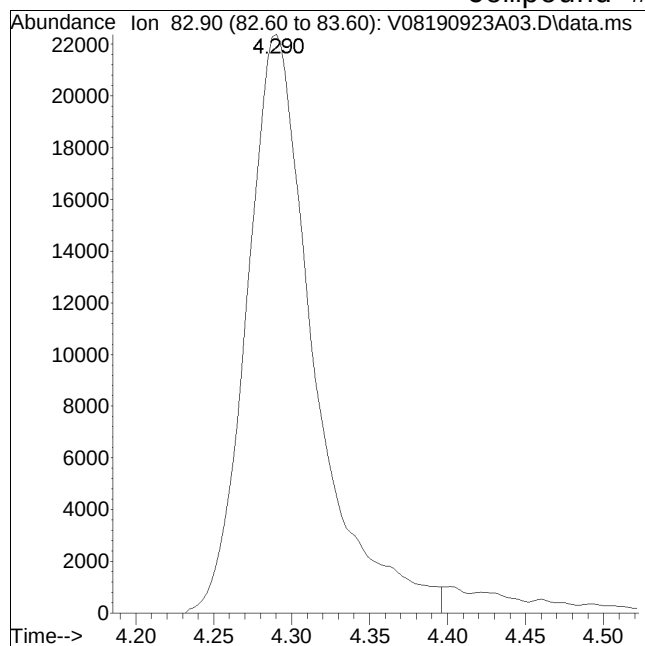


Manual Peak Response = 19371 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A03.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 7:12 Instrument : VOA 108
Sample : WG1287429-4,31,10,10 Quant Date : 9/23/2019 7:32 am

Compound #32: Chloroform



Original Peak Response = 66944

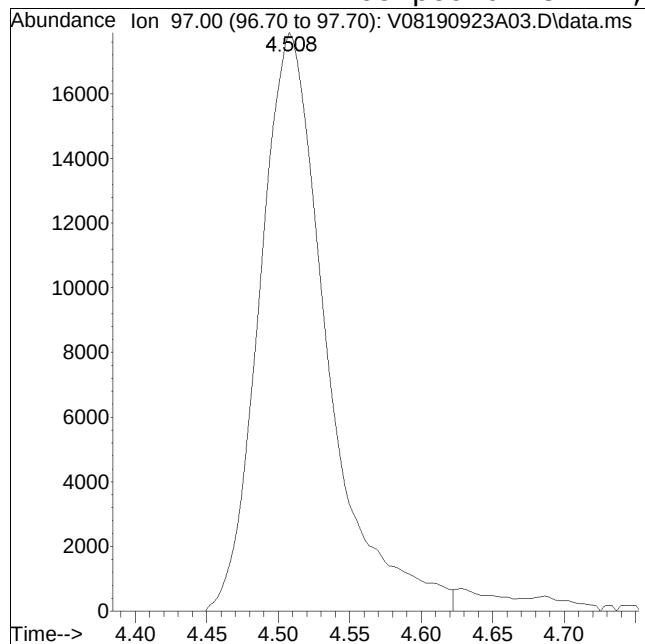
Manual Peak Response = 70428 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

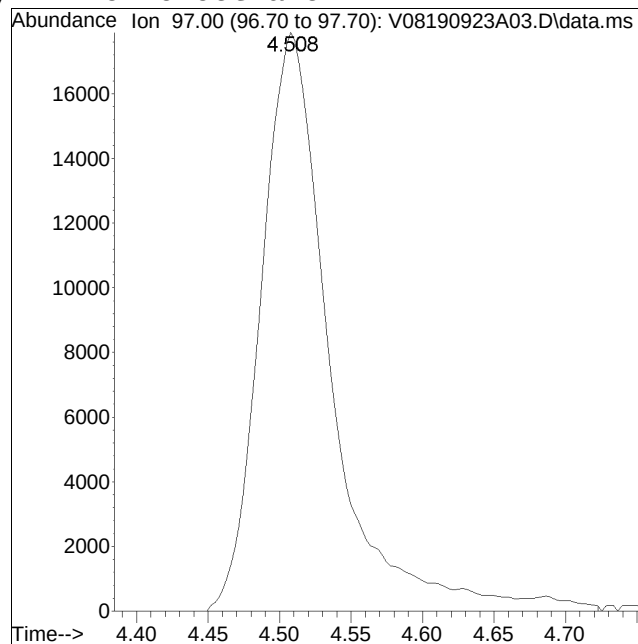
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A03.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 7:12 Instrument : VOA 108
Sample : WG1287429-4,31,10,10 Quant Date : 9/23/2019 7:32 am

Compound #37: 1,1,1-Trichloroethane



Original Peak Response = 58492

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

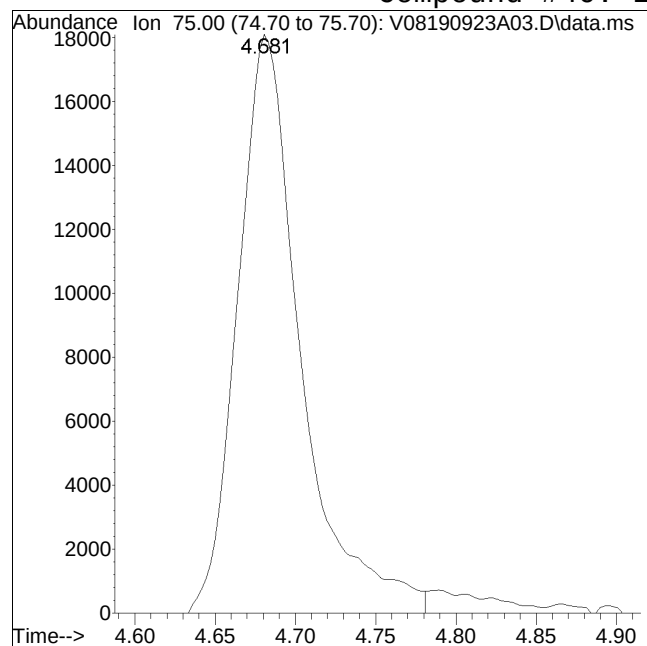


Manual Peak Response = 60973 M1

Manual Integration Report

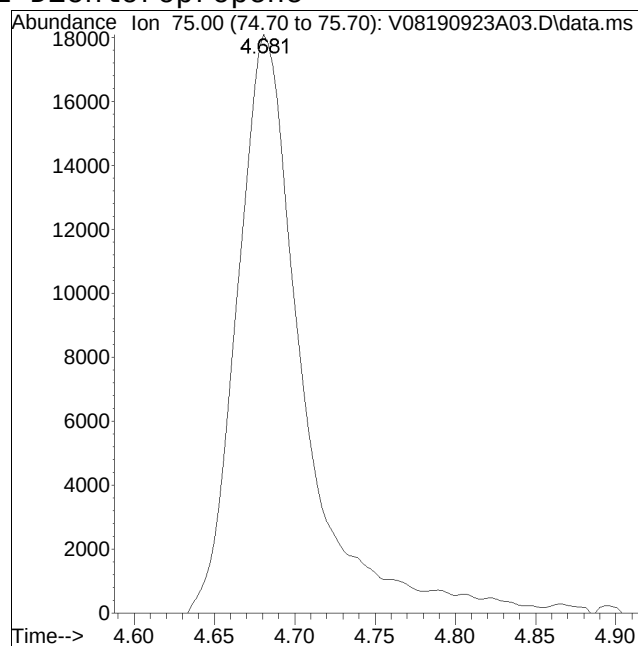
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A03.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 7:12 Instrument : VOA 108
Sample : WG1287429-4,31,10,10 Quant Date : 9/23/2019 7:32 am

Compound #40: 1,1-Dichloropropene



Original Peak Response = 49320

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

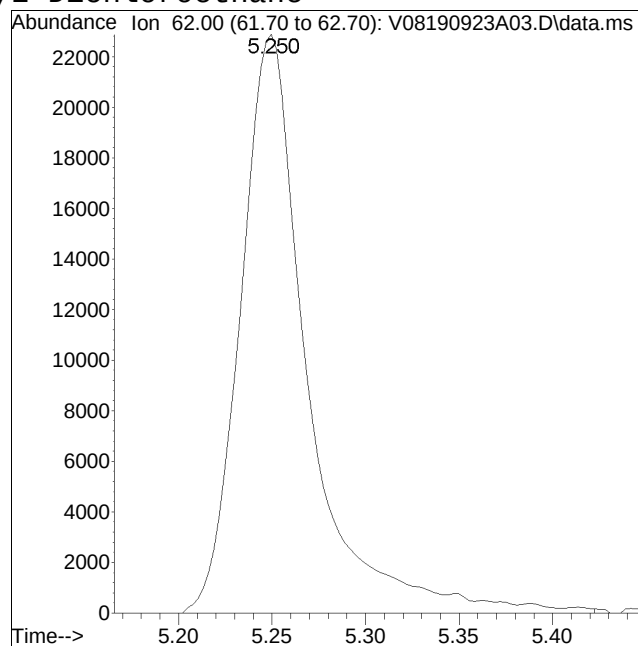
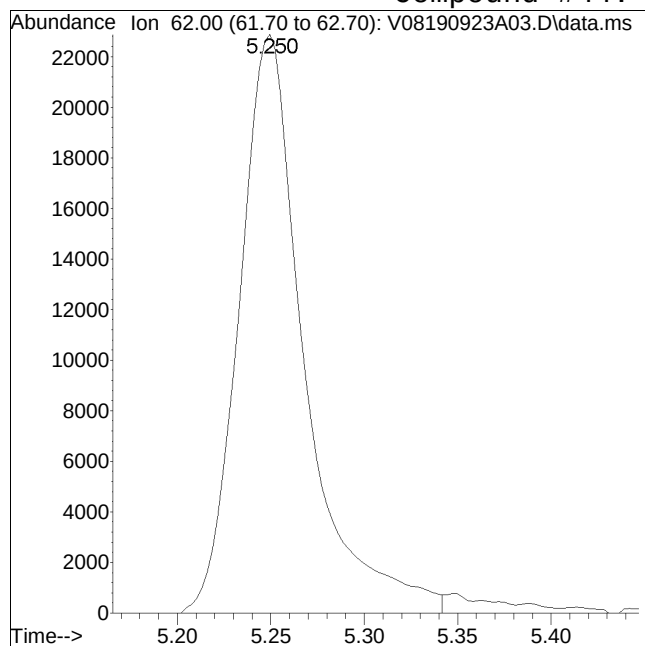


Manual Peak Response = 51654 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190923A03.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 7:12 Instrument : VOA 108
Sample : WG1287429-4,31,10,10 Quant Date : 9/23/2019 7:32 am

Compound #44: 1,2-Dichloroethane



Original Peak Response = 55537

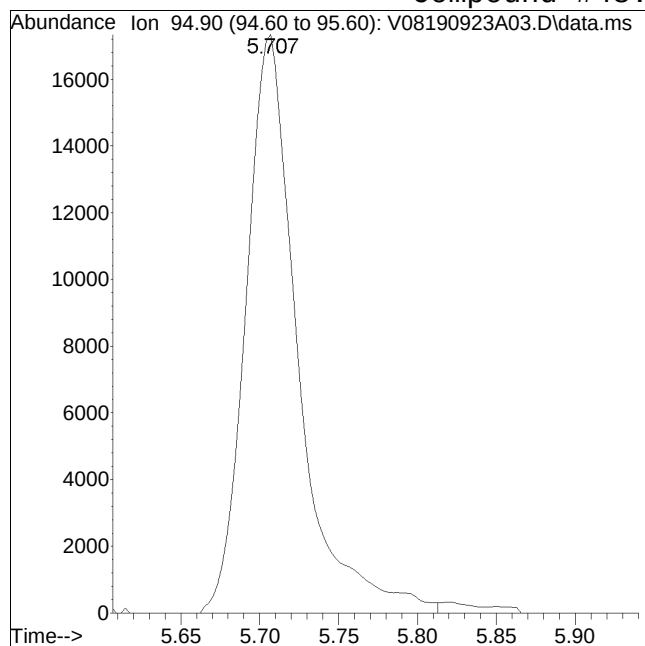
Manual Peak Response = 57388 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

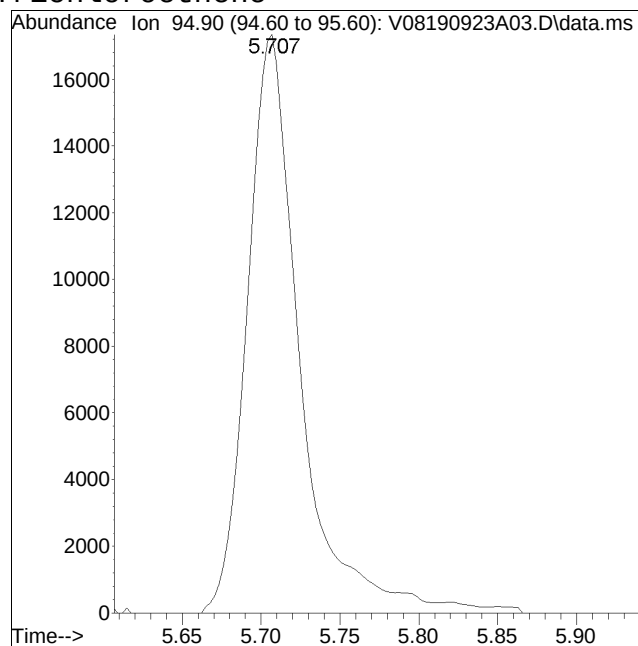
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A03.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 7:12 Instrument : VOA 108
Sample : WG1287429-4,31,10,10 Quant Date : 9/23/2019 7:32 am

Compound #48: Trichloroethene



Original Peak Response = 39789

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

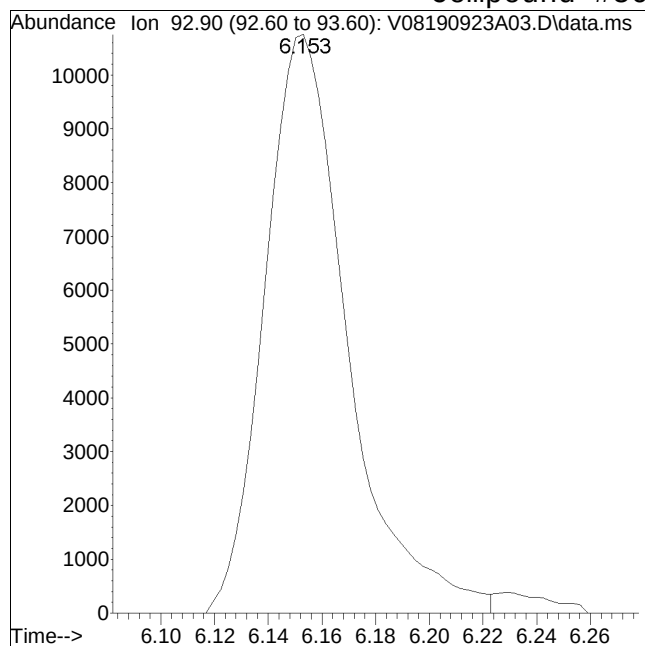


Manual Peak Response = 40475 M1

Manual Integration Report

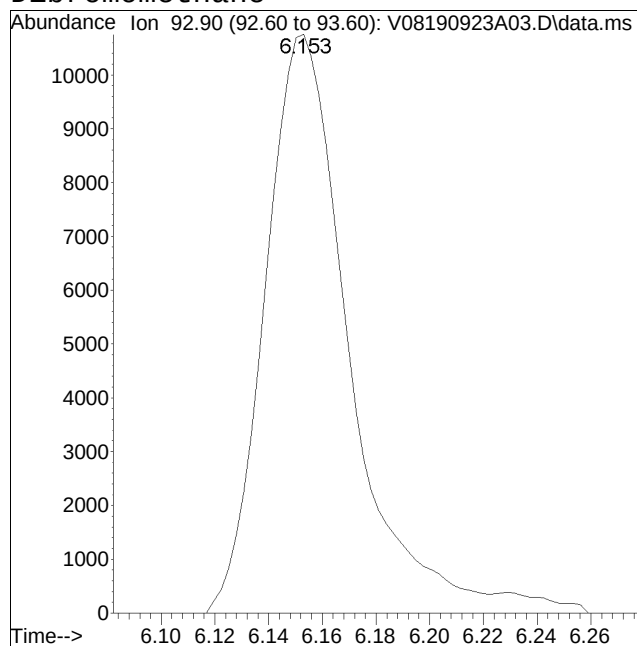
Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A03.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 7:12 Instrument : VOA 108
Sample : WG1287429-4,31,10,10 Quant Date : 9/23/2019 7:32 am

Compound #50: Dibromomethane



Original Peak Response = 23081

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

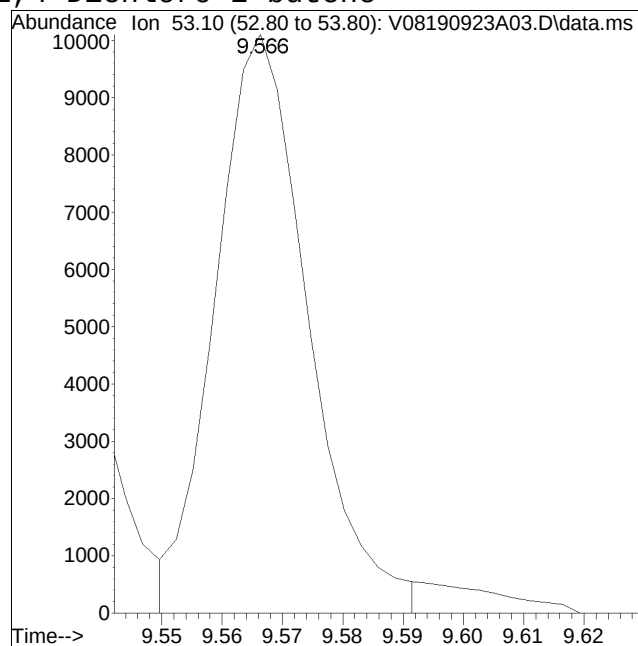
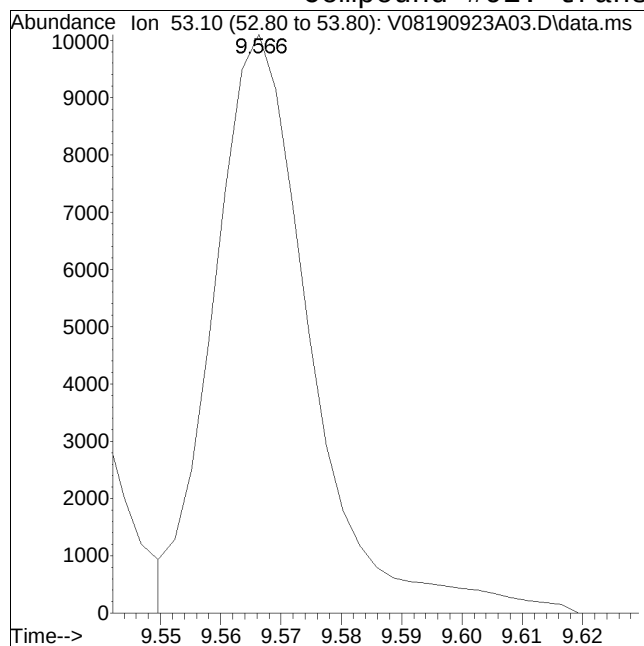


Manual Peak Response = 23632 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10 Method : V108_190819_8260.m
Data File : V08190923A03.D Operator : VOA108:PD
Date Inj'd : 9/23/2019 7:12 Instrument : VOA 108
Sample : WG1287429-4,31,10,10 Quant Date : 9/23/2019 7:32 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 11283

Manual Peak Response = 10780 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A24.D
 Acq On : 23 Sep 2019 15:54
 Operator : VOA108:PK
 Sample : WG1287429-6,31,2.5,10,,a1
 Misc : WG1287429,ICAL16150
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 23 16:43:14 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190923A\V08190923A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.511	96	164610	10.000	ug/L	0.00
Standard Area 1 = 177933			Recovery =	92.51%		
59) Chlorobenzene-d5	8.501	117	119969	10.000	ug/L	0.00
Standard Area 1 = 123701			Recovery =	96.98%		
79) 1,4-Dichlorobenzene-d4	9.987	152	59048	10.000	ug/L	0.00
Standard Area 1 = 59279			Recovery =	99.61%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.527	113	39700	9.545	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.45%		
43) 1,2-Dichloroethane-d4	5.166	65	50768	9.773	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.73%		
60) Toluene-d8	7.207	98	162726	10.173	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.73%		
83) 4-Bromofluorobenzene	9.318	95	58169	9.838	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.38%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.963	85	35734	8.951	ug/L	98
3) Chloromethane	1.080	50	42589	9.150	ug/L	99
4) Vinyl chloride	1.136	62	51092	10.527	ug/L	99
5) Bromomethane	1.342	94	27963	8.038	ug/L	98
6) Chloroethane	1.423	64	28558	9.059	ug/L	99
7) Trichlorofluoromethane	1.524	101	60643	9.086	ug/L	94
8) Ethyl ether	1.758	74	18036	9.136	ug/L	81
10) 1,1-Dichloroethene	1.892	96	33557	9.661	ug/L	79
11) Carbon disulfide	1.897	76	107920	9.832	ug/L	97
15) Methylene chloride	2.377	84	38697	9.382	ug/L	80
17) Acetone	2.436	43	9191	10.789	ug/L	100
18) trans-1,2-Dichloroethene	2.528	96	50866	13.462	ug/L	85
20) Methyl tert-butyl ether	2.653	73	91069	8.782	ug/L	96
23) 1,1-Dichloroethane	3.166	63	75418	9.632	ug/L	100
25) Acrylonitrile	3.230	53	11220	10.689	ug/L	94
27) Vinyl acetate	3.534	43	83494	10.028	ug/L	98
28) cis-1,2-Dichloroethene	3.855	96	713429	166.356	ug/L #	80
29) 2,2-Dichloropropane	3.994	77	41609	7.067	ug/L	90
30) Bromochloromethane	4.131	128	18990	9.743	ug/L #	68
32) Chloroform	4.290	83	68635	8.968	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A24.D
 Acq On : 23 Sep 2019 15:54
 Operator : VOA108:PK
 Sample : WG1287429-6,31,2.5,10,,a1
 Misc : WG1287429,ICAL16150
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 23 16:43:14 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190923A\V08190923A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34)	Carbon tetrachloride	4.410	117	48752	9.057	ug/L	99
37)	1,1,1-Trichloroethane	4.505	97	61014	9.025	ug/L #	95
39)	2-Butanone	4.714	43	14964	11.724	ug/L #	51
40)	1,1-Dichloropropene	4.680	75	51646	9.562	ug/L	97
41)	Benzene	4.987	78	156029	9.296	ug/L	92
44)	1,2-Dichloroethane	5.247	62	56581	9.053	ug/L	97
48)	Trichloroethene	5.704	95	67564	14.927	ug/L	95
50)	Dibromomethane	6.150	93	23358	9.187	ug/L	96
51)	1,2-Dichloropropane	6.262	63	44991	10.082	ug/L	94
54)	Bromodichloromethane	6.373	83	55540	8.957	ug/L	99
57)	1,4-Dioxane	6.593	88	12790	584.449	ug/L #	86
58)	cis-1,3-Dichloropropene	7.029	75	60590	8.657	ug/L	98
61)	Toluene	7.257	92	97413	9.210	ug/L	97
62)	4-Methyl-2-pentanone	7.659	58	11921	9.073	ug/L #	92
63)	Tetrachloroethene	7.611	166	85531	19.160	ug/L	92
65)	trans-1,3-Dichloropropene	7.678	75	50683	8.324	ug/L	100
68)	1,1,2-Trichloroethane	7.807	83	43320	14.612	ug/L #	68
69)	Chlorodibromomethane	7.943	129	38392	8.903	ug/L	97
70)	1,3-Dichloropropane	8.018	76	56752	9.257	ug/L	98
71)	1,2-Dibromoethane	8.102	107	31597	9.138	ug/L	99
72)	2-Hexanone	8.339	43	21002	9.358	ug/L	97
73)	Chlorobenzene	8.512	112	105627	9.051	ug/L	93
74)	Ethylbenzene	8.551	91	182075	9.004	ug/L	100
75)	1,1,1,2-Tetrachloroethane	8.571	131	37103	8.702	ug/L	94
76)	p/m Xylene	8.660	106	138138	18.004	ug/L	98
77)	o Xylene	8.942	106	135886	18.428	ug/L	91
78)	Styrene	8.981	104	218139	17.820	ug/L	92
80)	Bromoform	8.983	173	22122	8.272	ug/L	94
82)	Isopropylbenzene	9.153	105	178796	8.967	ug/L	98
84)	Bromobenzene	9.374	156	41812	8.626	ug/L	97
85)	n-Propylbenzene	9.410	91	206299	8.949	ug/L	99
87)	1,1,2,2-Tetrachloroethane	9.463	83	37765	8.978	ug/L	100
88)	4-Ethyltoluene	9.480	105	161634	8.819	ug/L	98
89)	2-Chlorotoluene	9.494	91	141542	8.993	ug/L	97
90)	1,3,5-Trimethylbenzene	9.536	105	144627	9.016	ug/L	91
91)	1,2,3-Trichloropropane	9.533	75	31114	9.768	ug/L	100
92)	trans-1,4-Dichloro-2-b...	9.566	53	8142	7.487	ug/L	91
93)	4-Chlorotoluene	9.597	91	125423	8.825	ug/L	97
94)	tert-Butylbenzene	9.720	119	133922	8.329	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A24.D
 Acq On : 23 Sep 2019 15:54
 Operator : VOA108:PK
 Sample : WG1287429-6,31,2.5,10,,a1
 Misc : WG1287429,ICAL16150
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 23 16:43:14 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190923A\V08190923A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	9.761	105	137728	8.649	ug/L	93
98)	sec-Butylbenzene	9.826	105	188978	9.961	ug/L	98
99)	p-Isopropyltoluene	9.912	119	148227	8.754	ug/L	97
100)	1,3-Dichlorobenzene	9.943	146	77784	8.673	ug/L	99
101)	1,4-Dichlorobenzene	9.996	146	77628	8.415	ug/L	99
102)	p-Diethylbenzene	10.121	119	81739	8.450	ug/L	95
103)	n-Butylbenzene	10.155	91	138966	8.924	ug/L	99
104)	1,2-Dichlorobenzene	10.235	146	72831	8.556	ug/L	99
105)	1,2,4,5-Tetramethylben...	10.578	119	121087	8.246	ug/L	98
106)	1,2-Dibromo-3-chloropr...	10.693	155	4949	8.252	ug/L	91
108)	Hexachlorobutadiene	11.053	225	22983	8.268	ug/L	94
109)	1,2,4-Trichlorobenzene	11.069	180	47278	7.868	ug/L	99
110)	Naphthalene	11.248	128	103161	8.014	ug/L	100
111)	1,2,3-Trichlorobenzene	11.351	180	42874	7.850	ug/L	99

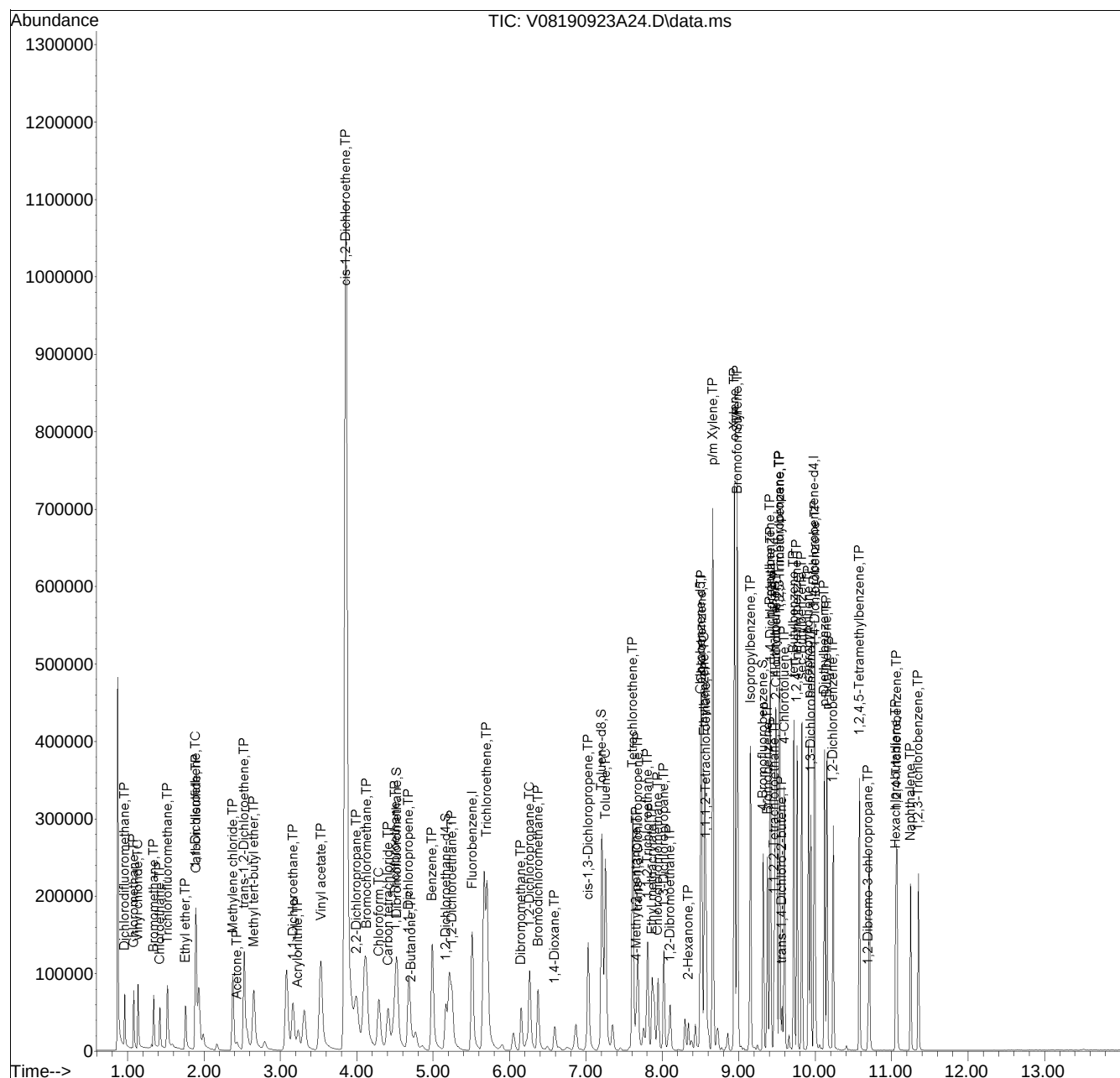
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

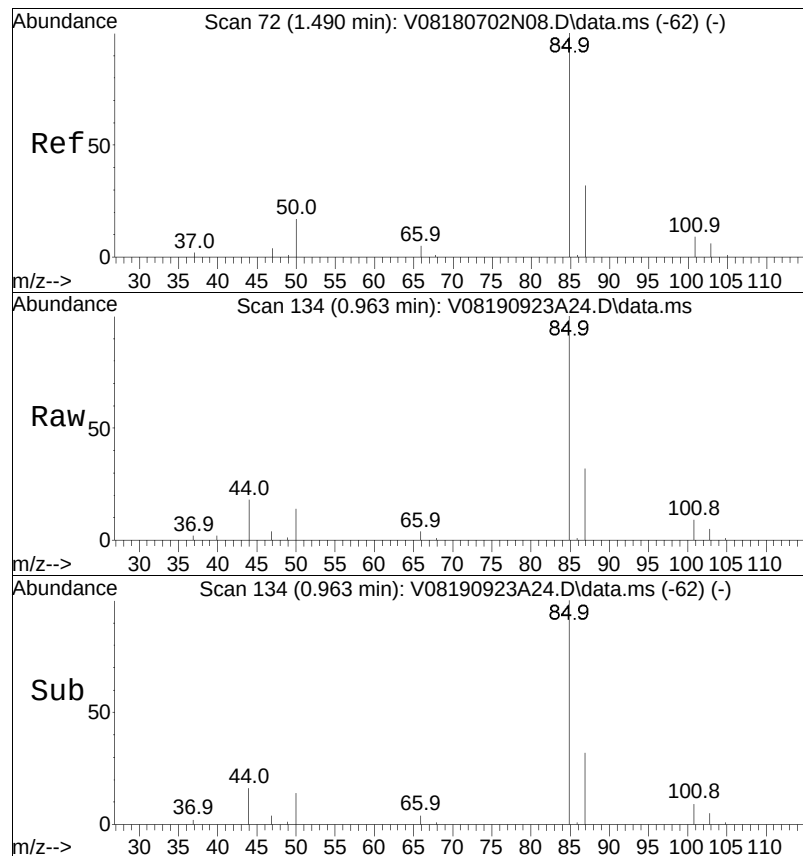
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A24.D
 Acq On : 23 Sep 2019 15:54
 Operator : VOA108:PK
 Sample : WG1287429-6, 31, 2.5, 10,, a1
 Misc : WG1287429, ICAL16150
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 23 16:43:14 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

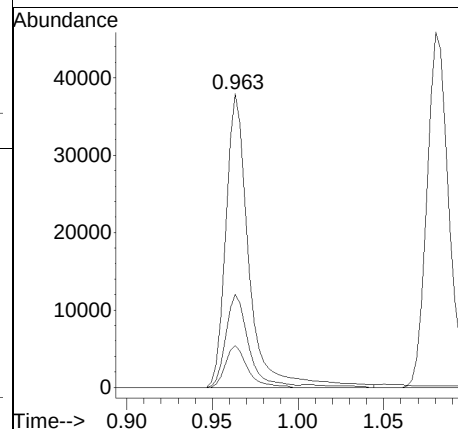
Sub List : 8260-NYTCL - Megamix plus Diox90923A\V08190923A02.D•

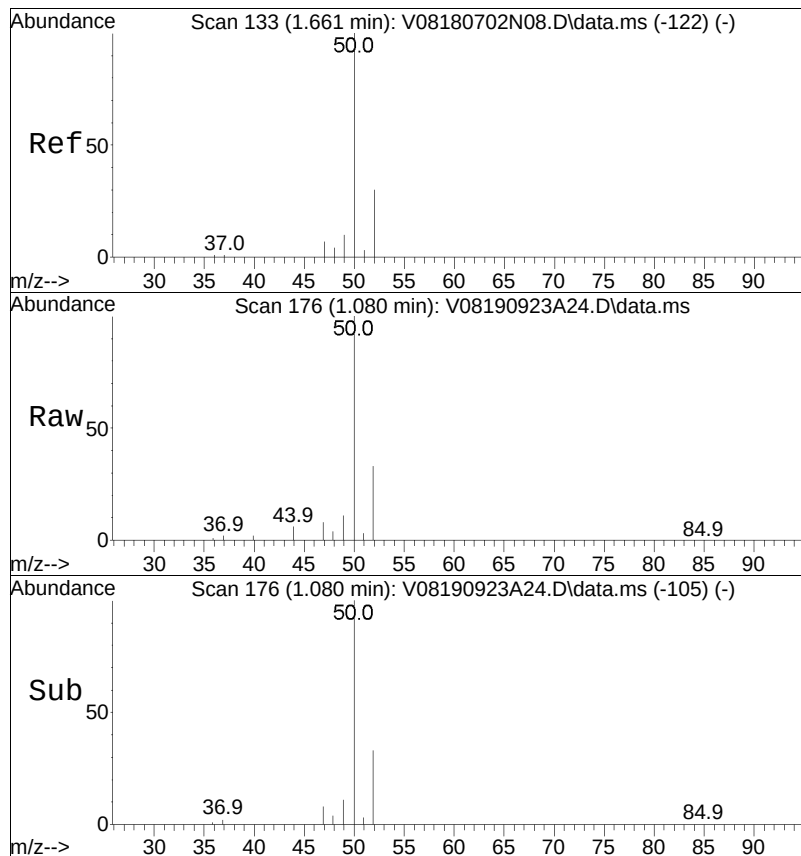




#2
 Dichlorodifluoromethane
 Concen: 8.95 ug/L
 RT: 0.963 min Scan# 134
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

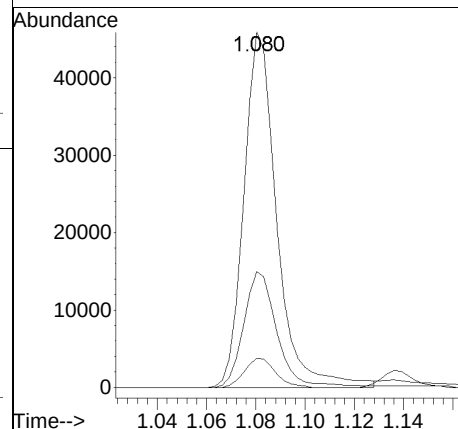
Tgt Ion:	85	Resp:	35734
Ion Ratio	Lower	Upper	
85	100		
87	31.1	21.0	43.6
50	13.5	8.9	18.5

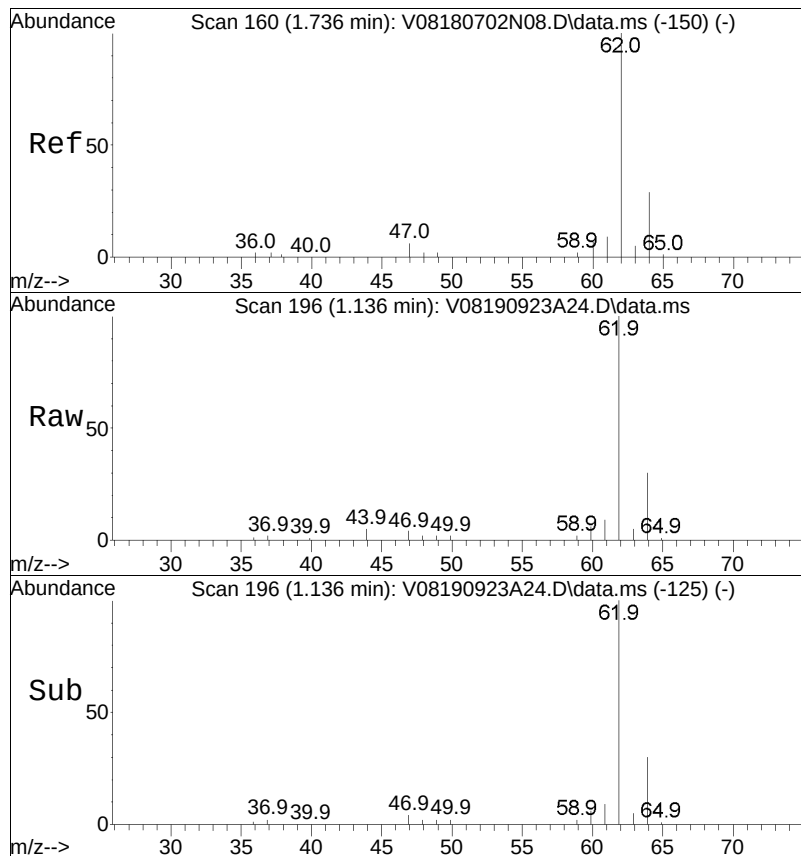




#3
 Chloromethane
 Concen: 9.15 ug/L
 RT: 1.080 min Scan# 176
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

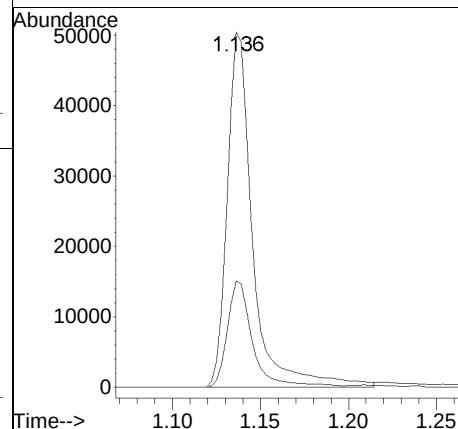
Tgt	Ion: 50	Resp:	42589
Ion	Ratio	Lower	Upper
50	100		
52	33.5	12.9	52.9
47	7.7	0.0	28.3

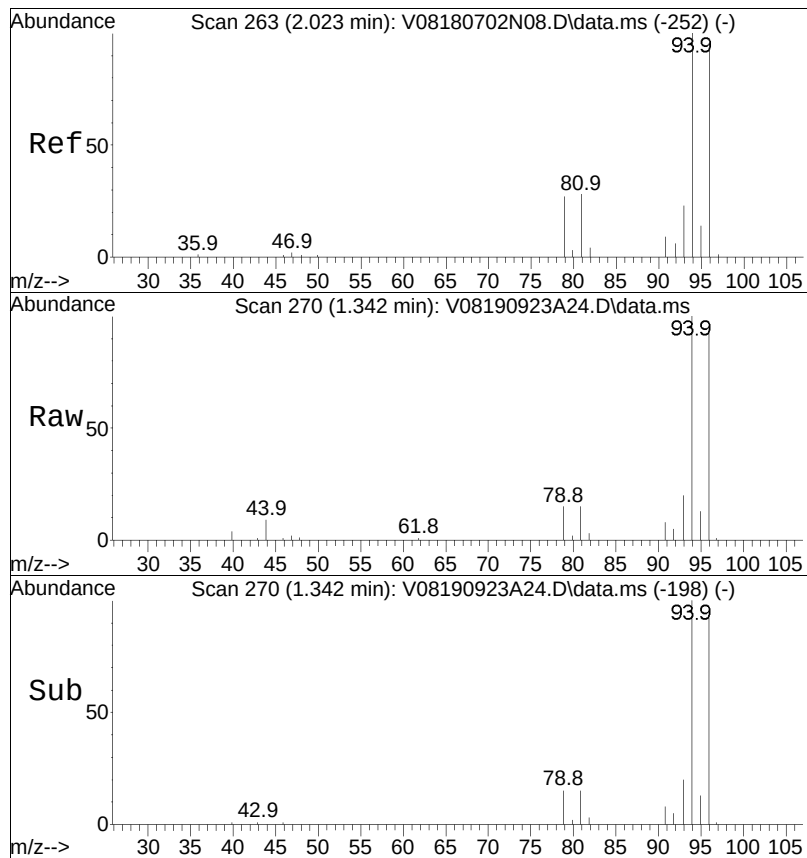




#4
 Vinyl chloride
 Concen: 10.53 ug/L
 RT: 1.136 min Scan# 196
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

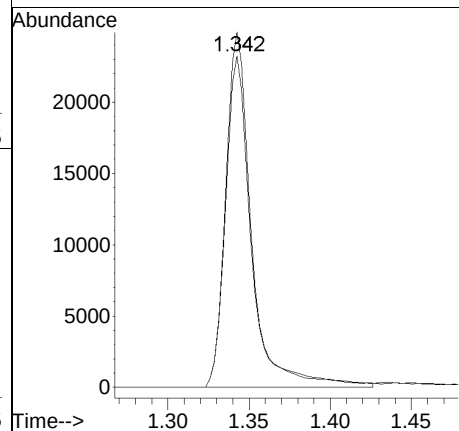
Tgt Ion	Ratio	Lower	Upper
62	100		
64	29.8	9.1	49.1

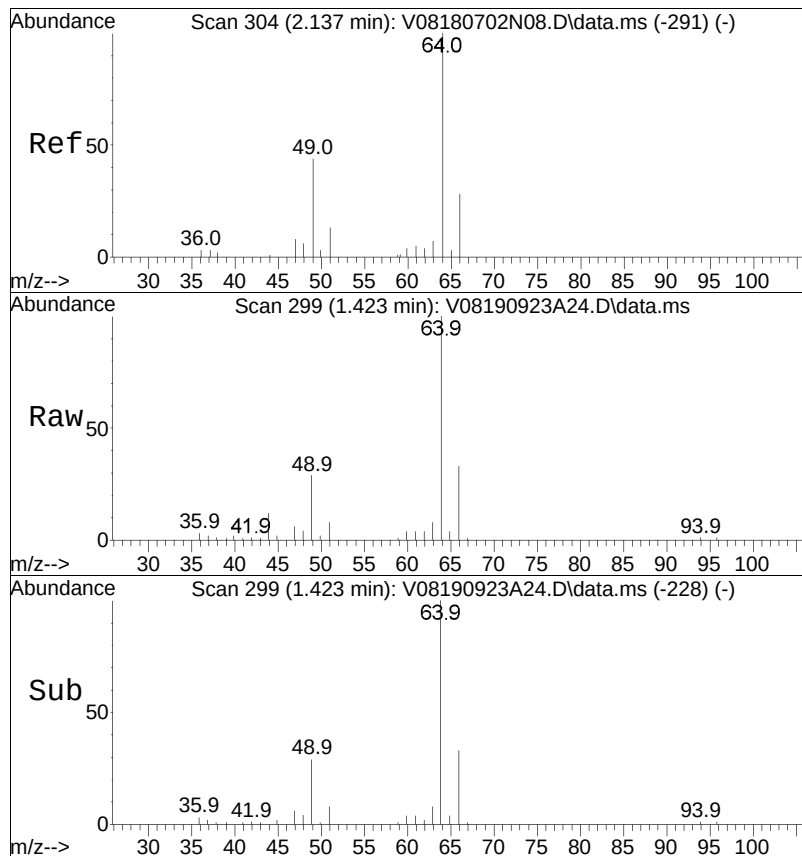




#5
 Bromomethane
 Concen: 8.04 ug/L
 RT: 1.342 min Scan# 270
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

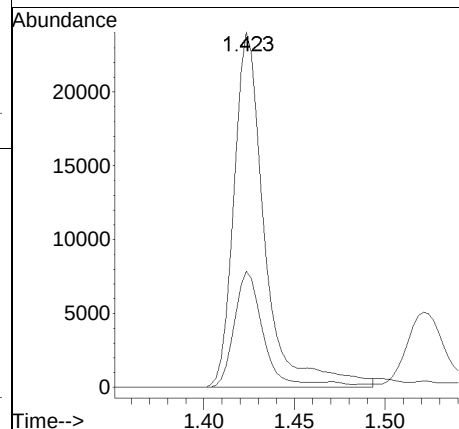
Tgt Ion	Ratio	Lower	Upper
94	100		
96	93.4	75.6	115.6

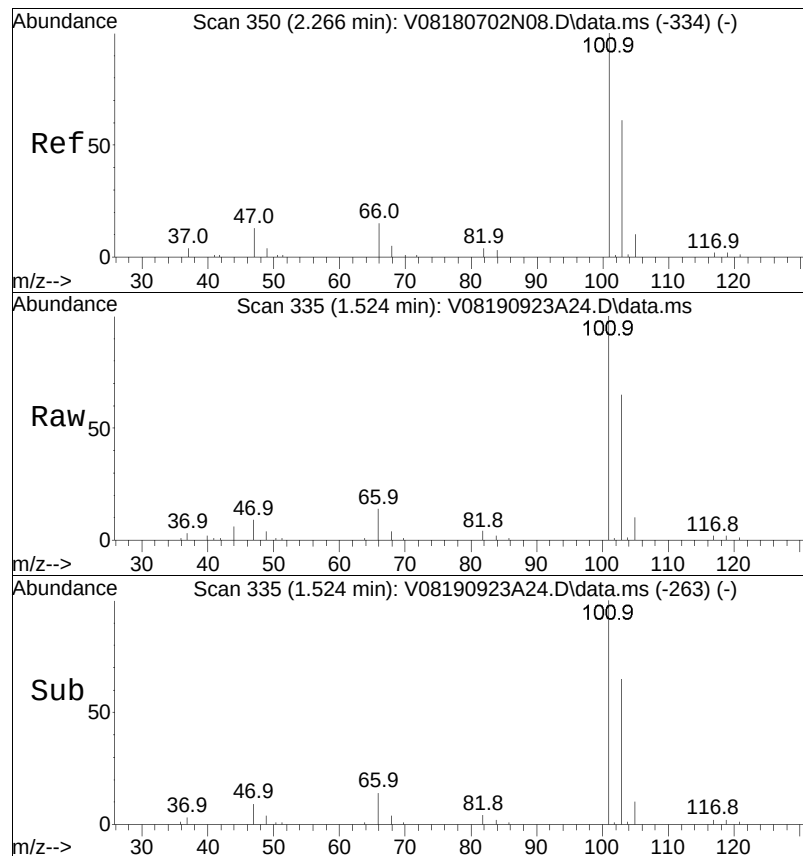




#6
 Chloroethane
 Concen: 9.06 ug/L
 RT: 1.423 min Scan# 299
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

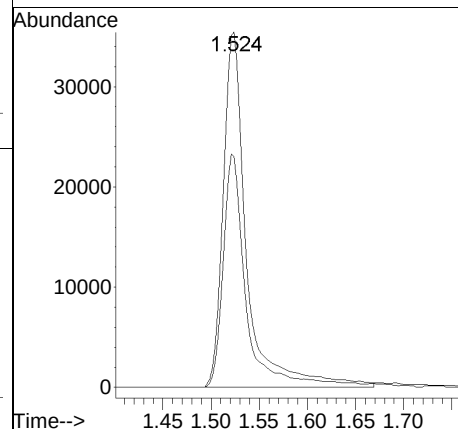
Tgt Ion	Ratio	Lower	Upper
64	100		
66	30.1	9.8	49.8

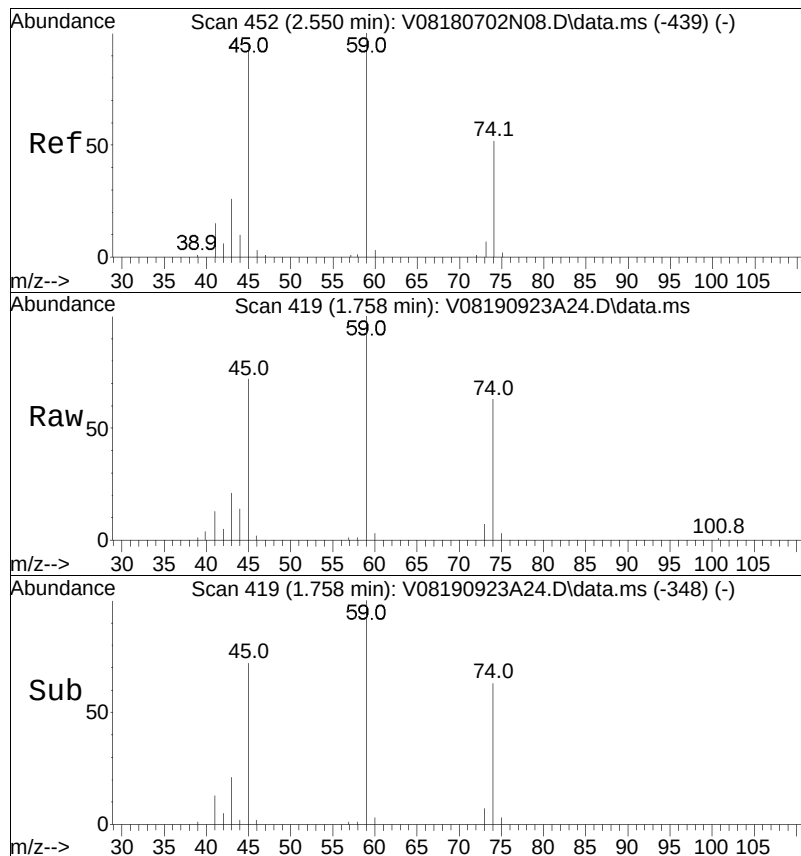




#7
 Trichlorofluoromethane
 Concen: 9.09 ug/L
 RT: 1.524 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

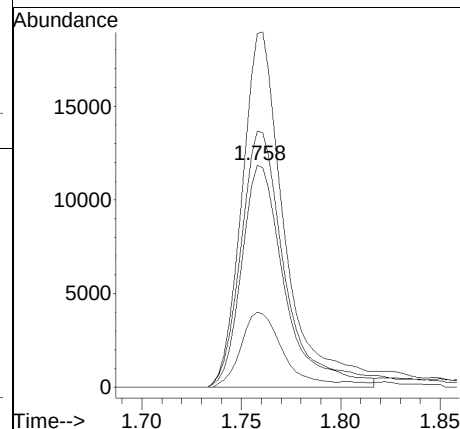
Tgt	Ion	Ratio	Lower	Upper
101	101	100		
103	62.3	53.8	80.6	

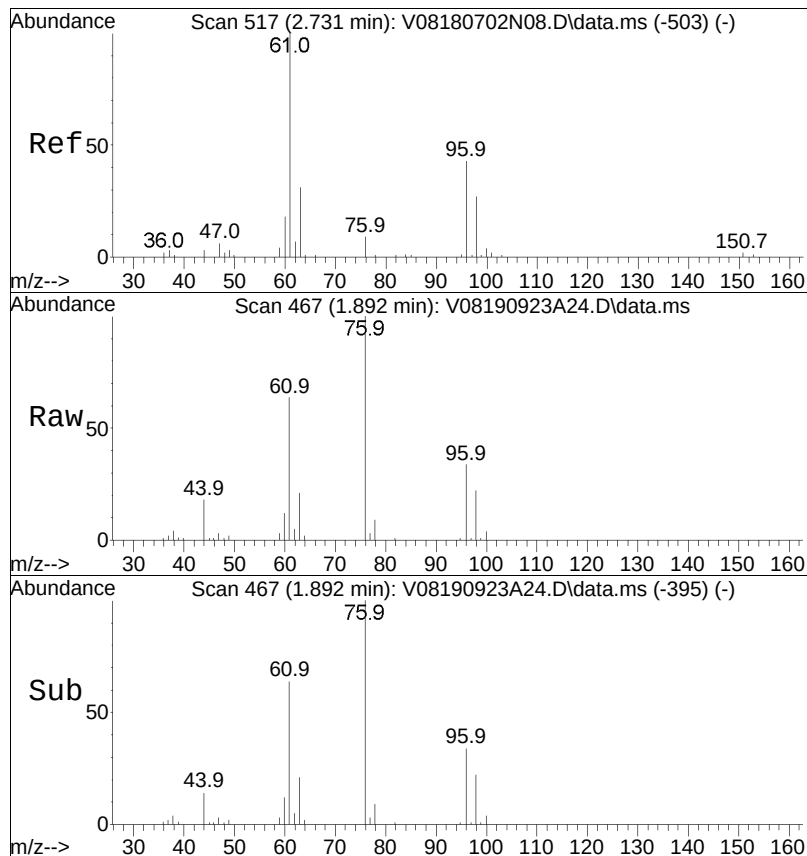




#8
 Ethyl ether
 Concen: 9.14 ug/L
 RT: 1.758 min Scan# 419
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

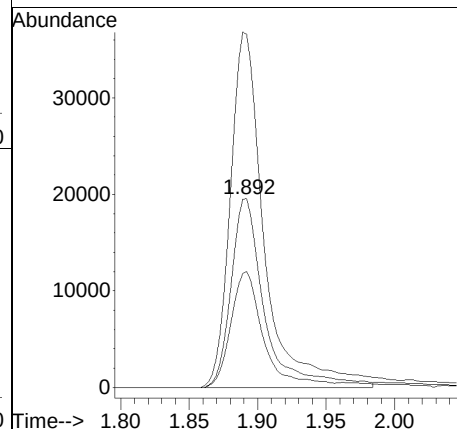
Tgt Ion:	74	Resp:	18036
Ion Ratio	Lower	Upper	
74	100		
59	157.4	122.2	253.8
45	119.6	91.9	190.9
43	32.9	25.2	52.2

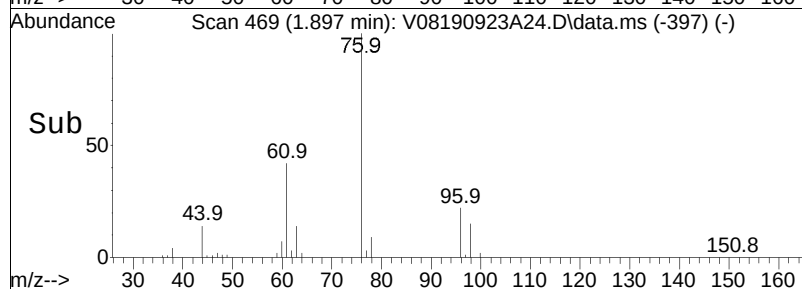
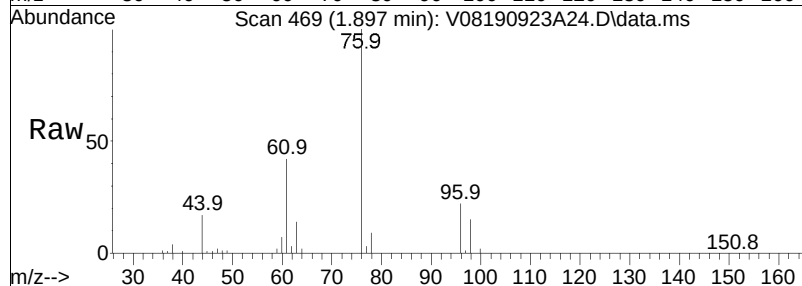
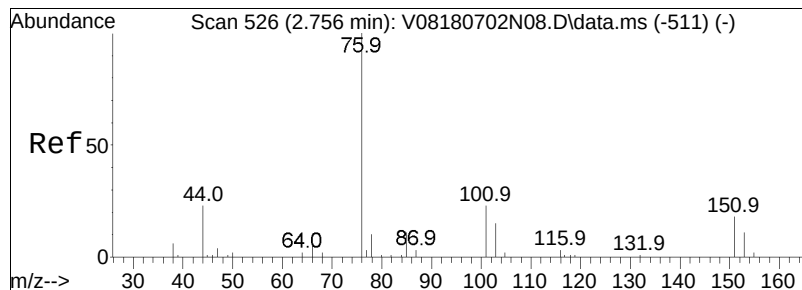




#10
 1,1-Dichloroethene
 Concen: 9.66 ug/L
 RT: 1.892 min Scan# 467
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

Tgt Ion:	96	Resp:	33557
Ion Ratio	Lower	Upper	
96	100		
61	193.5	186.1	279.1
63	59.5	57.6	86.4





#11

Carbon disulfide

Concen: 9.83 ug/L

RT: 1.897 min Scan# 469

Delta R.T. 0.000 min

Lab File: V08190923A24.D

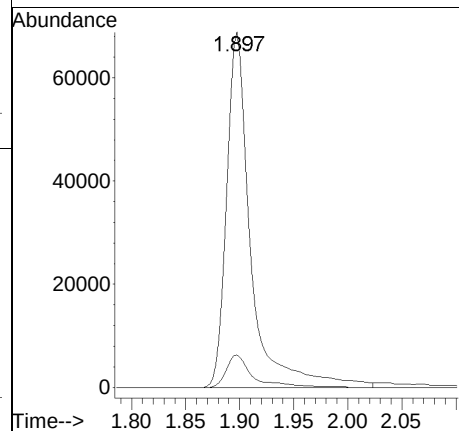
Acq: 23 Sep 2019 15:54

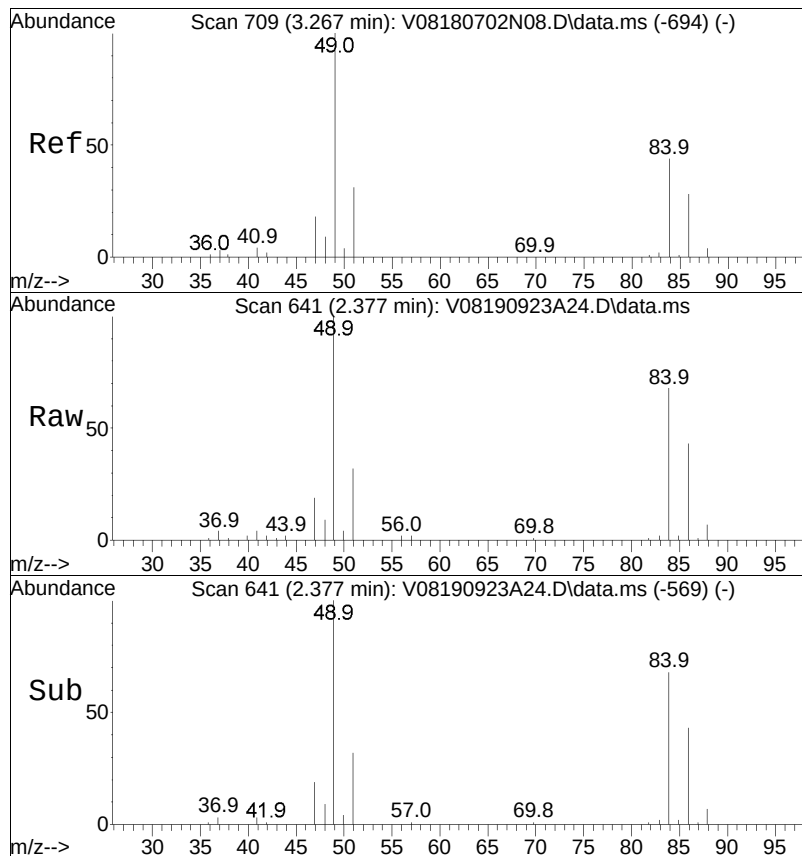
Tgt Ion: 76 Resp: 107920

Ion Ratio Lower Upper

76 100

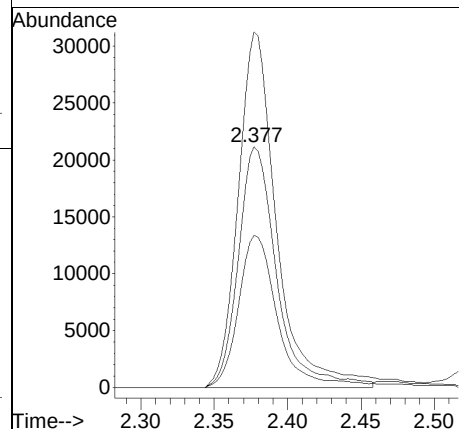
78 10.0 5.7 11.7

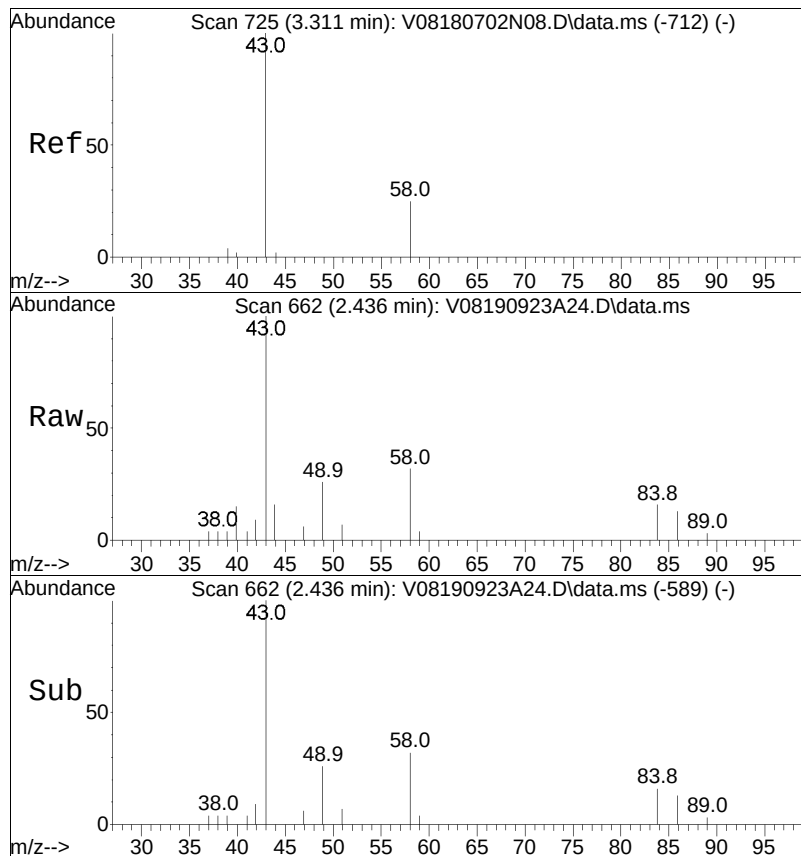




#15
Methylene chloride
Concen: 9.38 ug/L
RT: 2.377 min Scan# 641
Delta R.T. 0.000 min
Lab File: V08190923A24.D
Acq: 23 Sep 2019 15:54

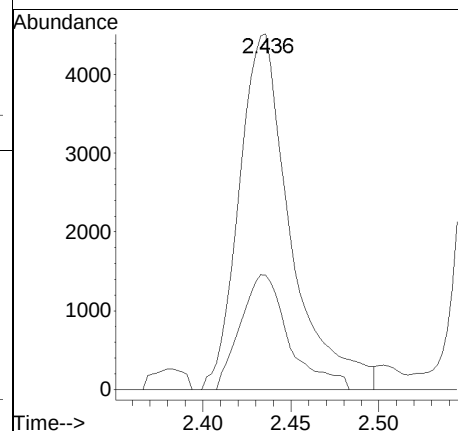
Tgt Ion:	84	Resp:	38697
Ion Ratio	Lower	Upper	
84	100		
86	64.3	40.4	83.8
49	147.7	120.0	249.2

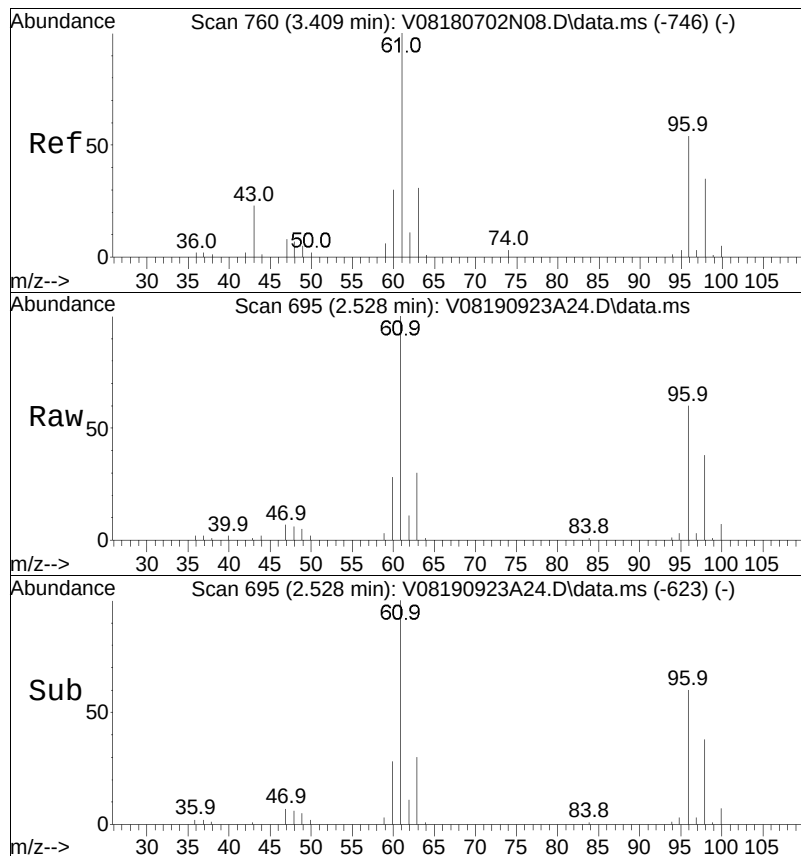




#17
 Acetone
 Concen: 10.79 ug/L
 RT: 2.436 min Scan# 662
 Delta R.T. 0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

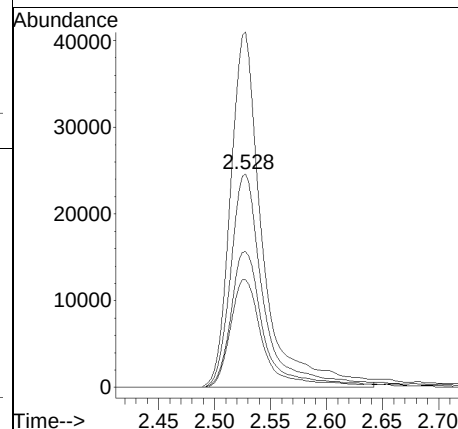
Tgt	Ion	Ratio	Lower	Upper
43	100			
58	30.5	24.2	36.4	

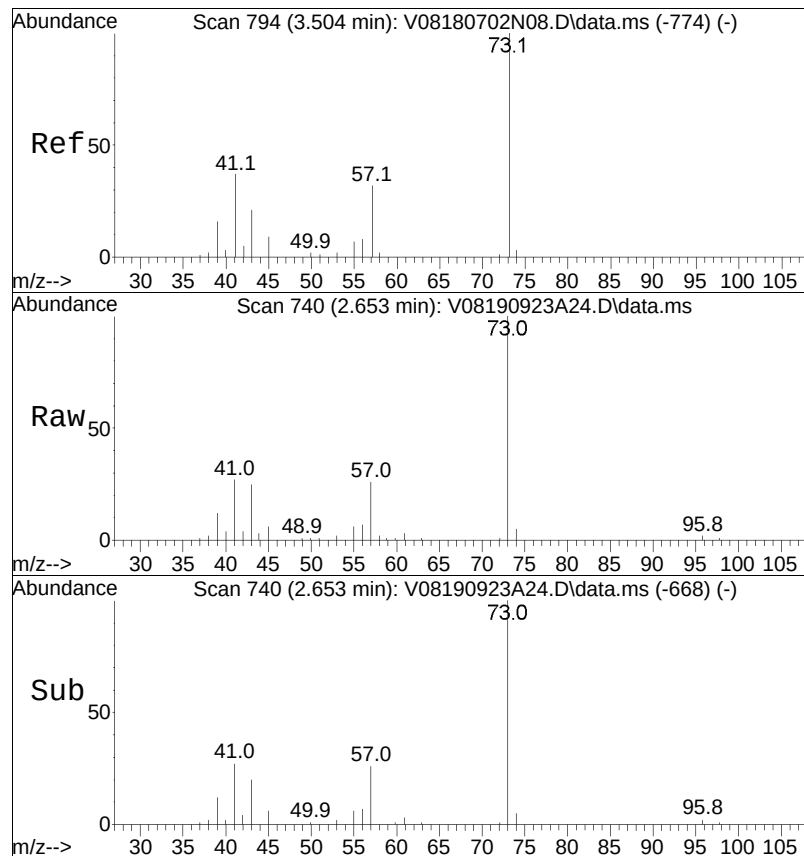




#18
 trans-1,2-Dichloroethene
 Concen: 13.46 ug/L
 RT: 2.528 min Scan# 695
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

Tgt Ion: 96	Resp: 50866
Ion Ratio	Lower Upper
96 100	
61 161.5	124.0 257.6
98 63.1	41.2 85.6
63 48.5	38.4 79.7





#20

Methyl tert-butyl ether

Concen: 8.78 ug/L

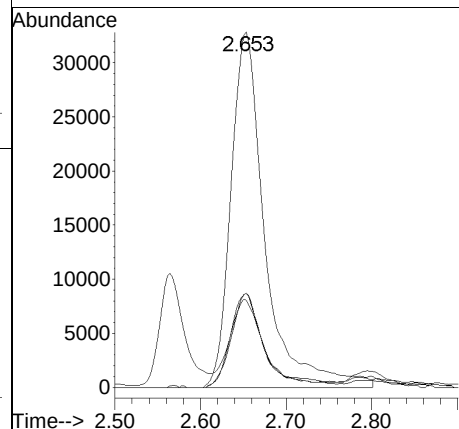
RT: 2.653 min Scan# 740

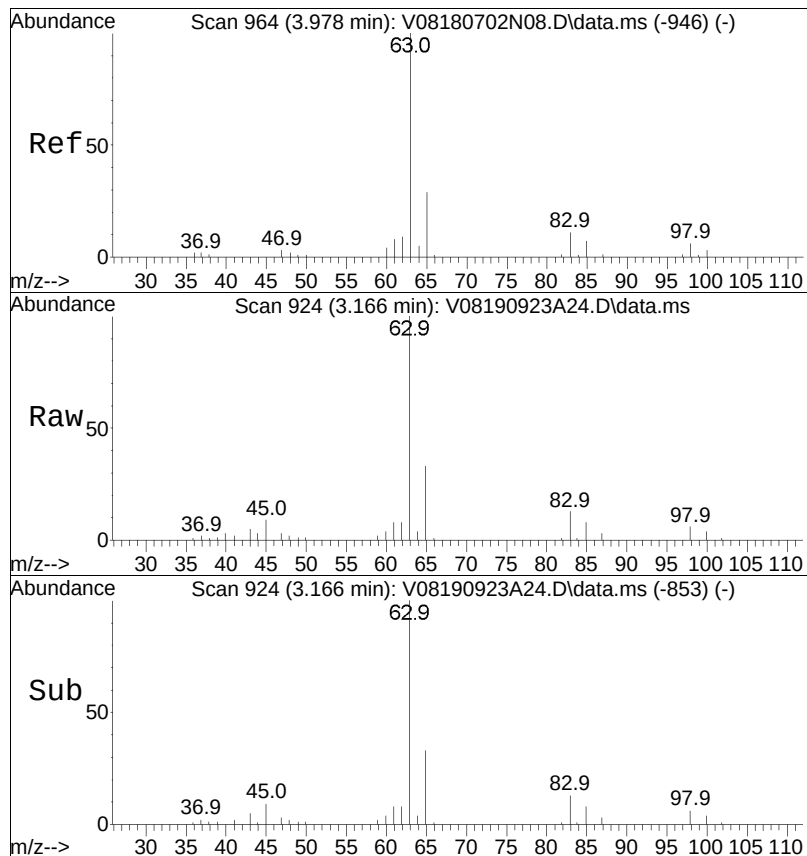
Delta R.T. 0.000 min

Lab File: V08190923A24.D

Acq: 23 Sep 2019 15:54

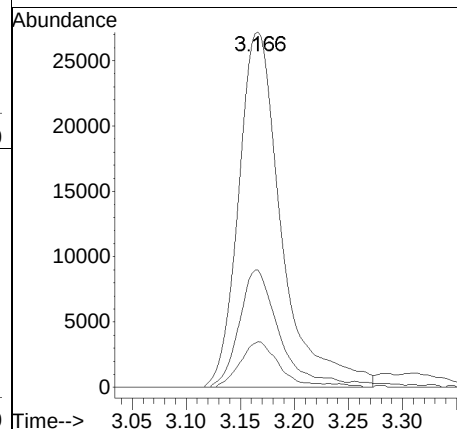
Tgt Ion:	73	Resp:	91069
Ion	Ratio	Lower	Upper
73	100		
57	24.7	17.5	36.3
43	22.4	15.3	31.9
41	25.4	15.3	31.7

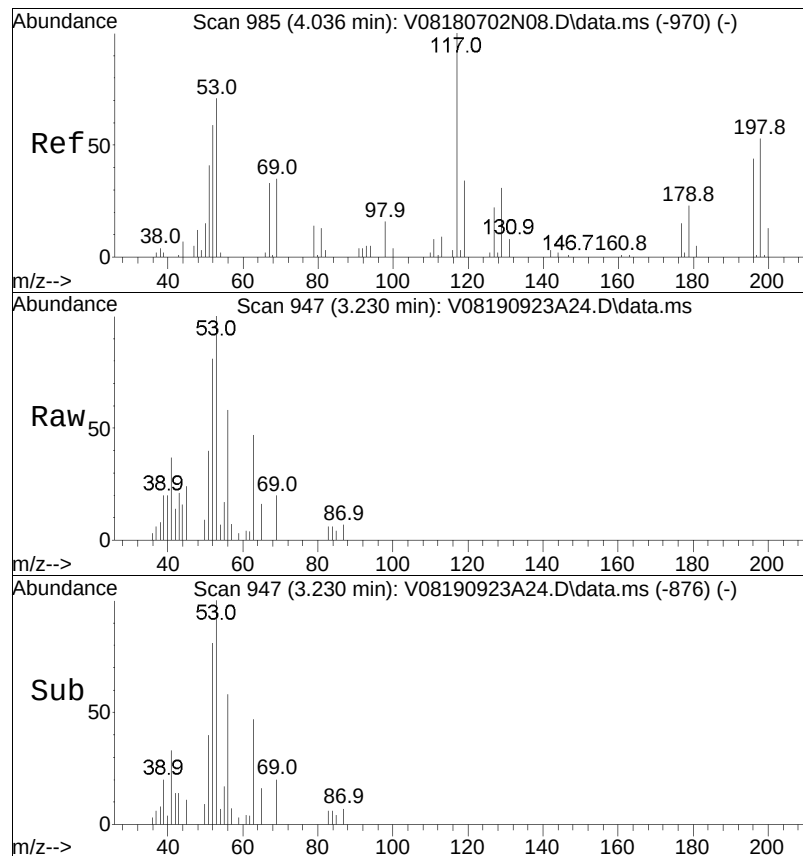




#23
 1,1-Dichloroethane
 Concen: 9.63 ug/L
 RT: 3.166 min Scan# 924
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

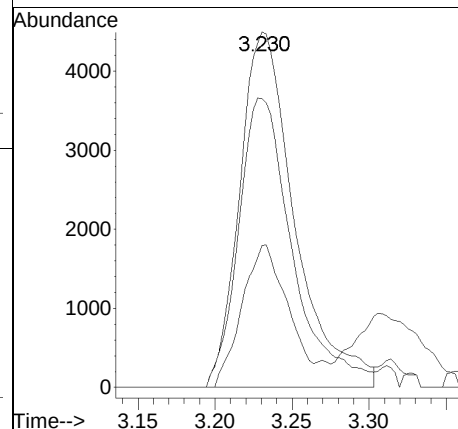
Tgt Ion:	63	Resp:	75418
Ion Ratio	Lower	Upper	
63	100		
65	31.1	11.0	51.0
83	11.6	0.0	31.8

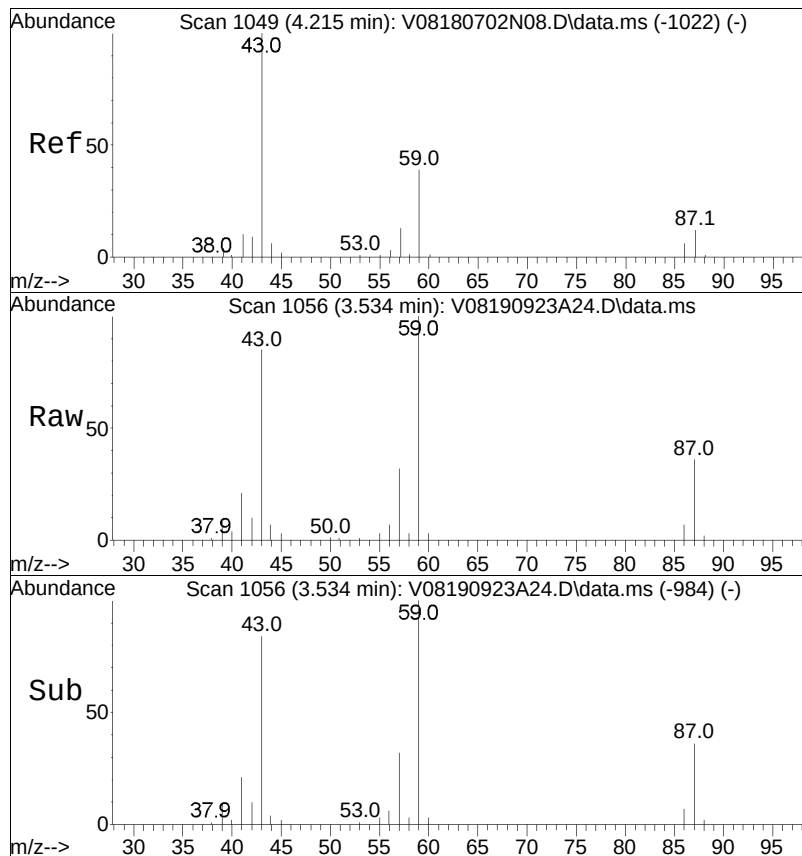




#25
 Acrylonitrile
 Concen: 10.69 ug/L
 RT: 3.230 min Scan# 947
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

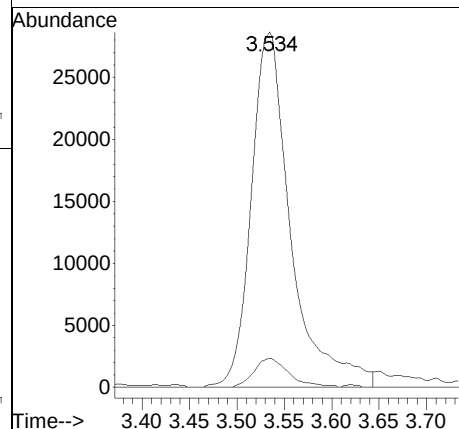
Tgt	Ion: 53	Resp:	11220
Ion	Ratio	Lower	Upper
53	100		
52	79.4	66.7	100.1
51	33.4	30.6	46.0

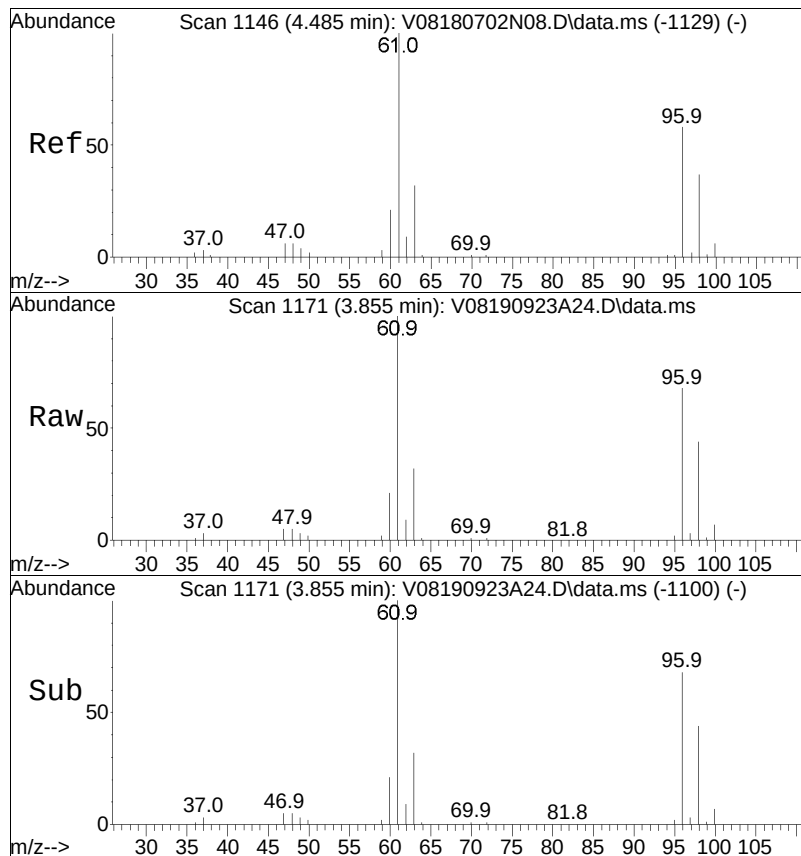




#27
 Vinyl acetate
 Concen: 10.03 ug/L
 RT: 3.534 min Scan# 1056
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

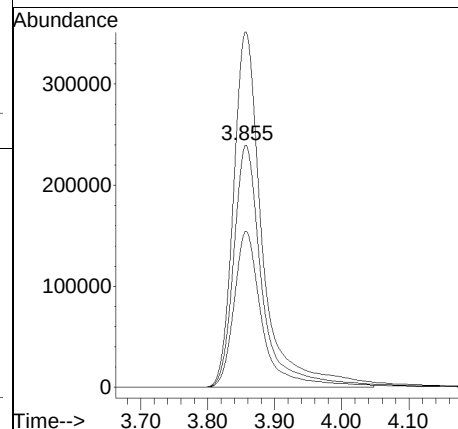
Tgt Ion:	43	86	Ratio	100	7.2	Resp:	83494	Lower	Upper
								5.2	7.8

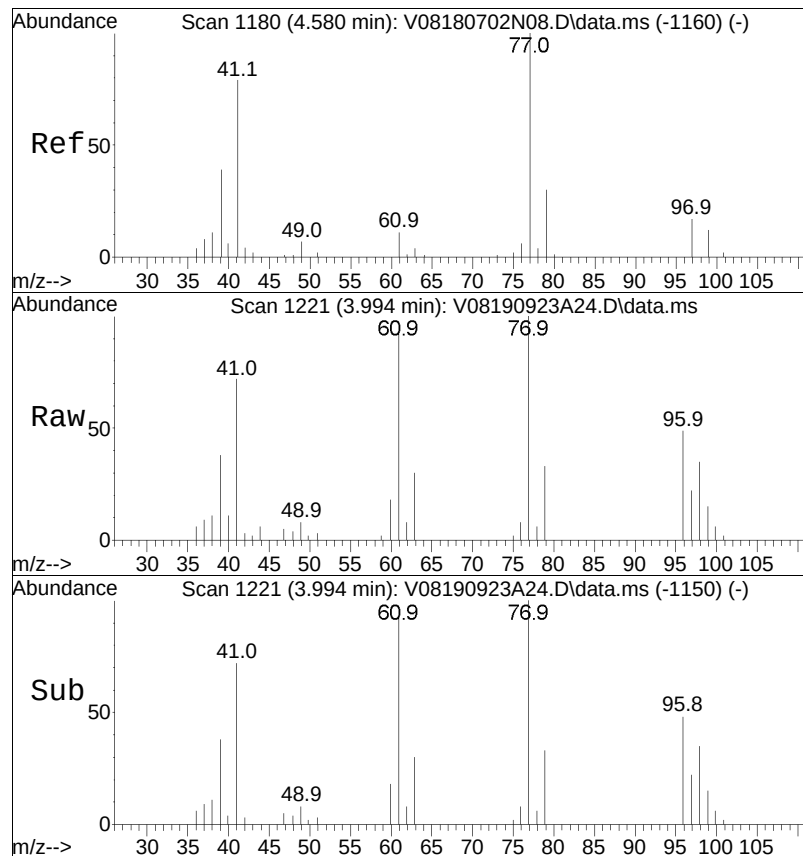




#28
 cis-1,2-Dichloroethene
 Concen: 166.36 ug/L
 RT: 3.855 min Scan# 1171
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

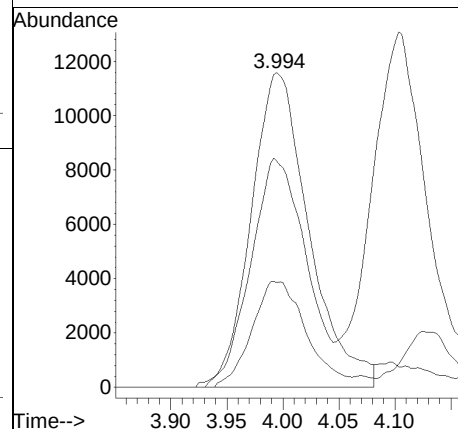
Tgt	Ion: 96	Resp:	713429
Ion	Ratio	Lower	Upper
96	100		
61	148.8	149.4	224.2#
98	64.2	53.4	80.2

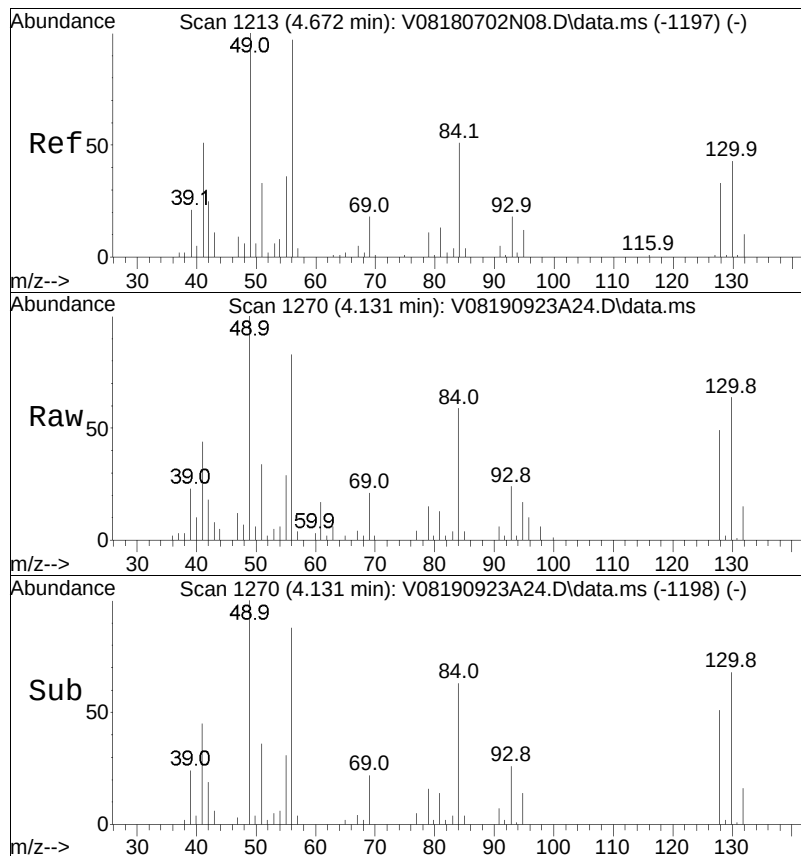




#29
 2,2-Dichloropropane
 Concen: 7.07 ug/L
 RT: 3.994 min Scan# 1221
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

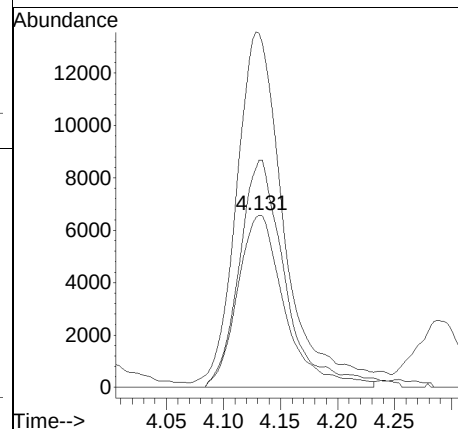
Tgt Ion:	77	Resp:	41609
Ion Ratio	Lower	Upper	
77	100		
41	69.5	38.0	78.8
79	31.8	20.5	42.5

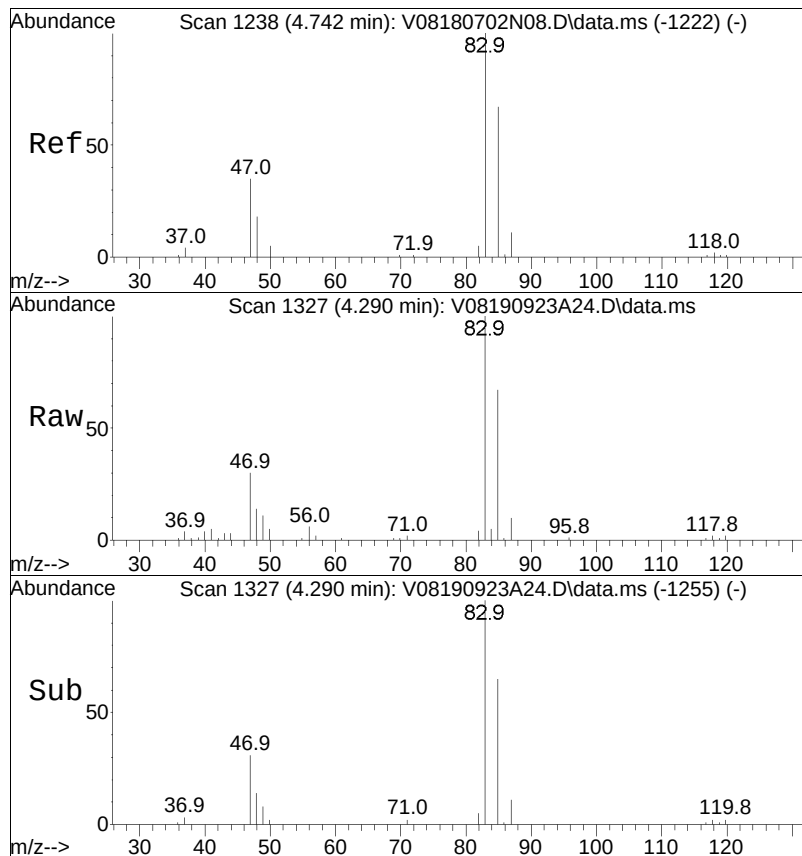




#30
 Bromochloromethane
 Concen: 9.74 ug/L
 RT: 4.131 min Scan# 1270
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

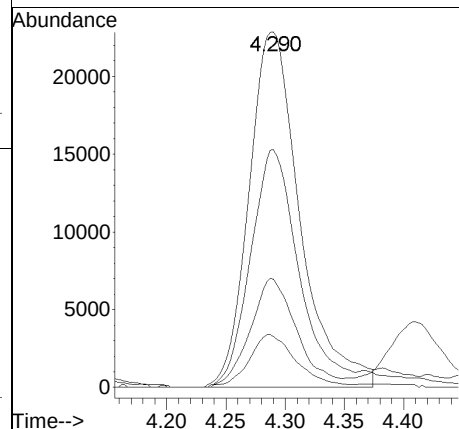
Tgt Ion:	128	Resp:	18990
Ion Ratio	Lower	Upper	
128	100		
49	200.1	223.0	334.4#
130	124.4	111.4	167.0

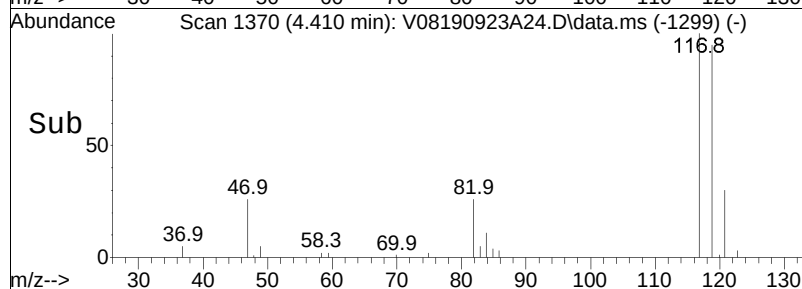
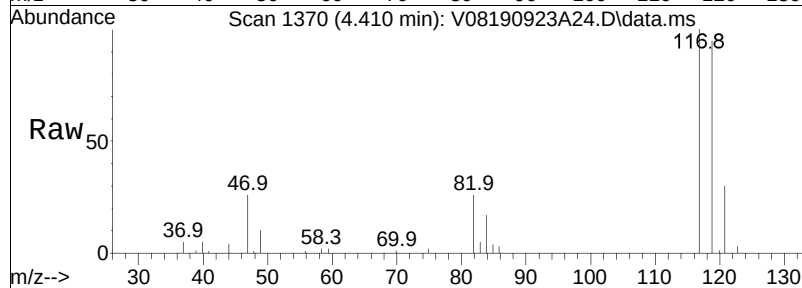
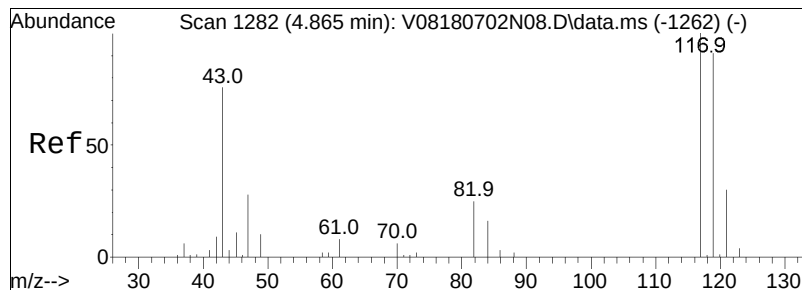




#32
 Chloroform
 Concen: 8.97 ug/L
 RT: 4.290 min Scan# 1327
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

Tgt Ion:	83	Resp:	68635
Ion Ratio	Lower	Upper	
83	100		
85	63.5	41.5	86.1
47	28.2	19.0	39.4
48	13.9	9.9	20.5





#34

Carbon tetrachloride

Concen: 9.06 ug/L

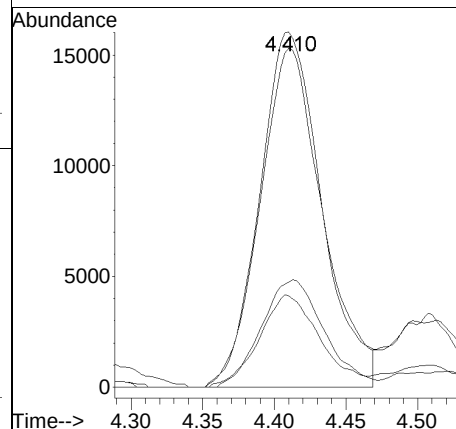
RT: 4.410 min Scan# 1370

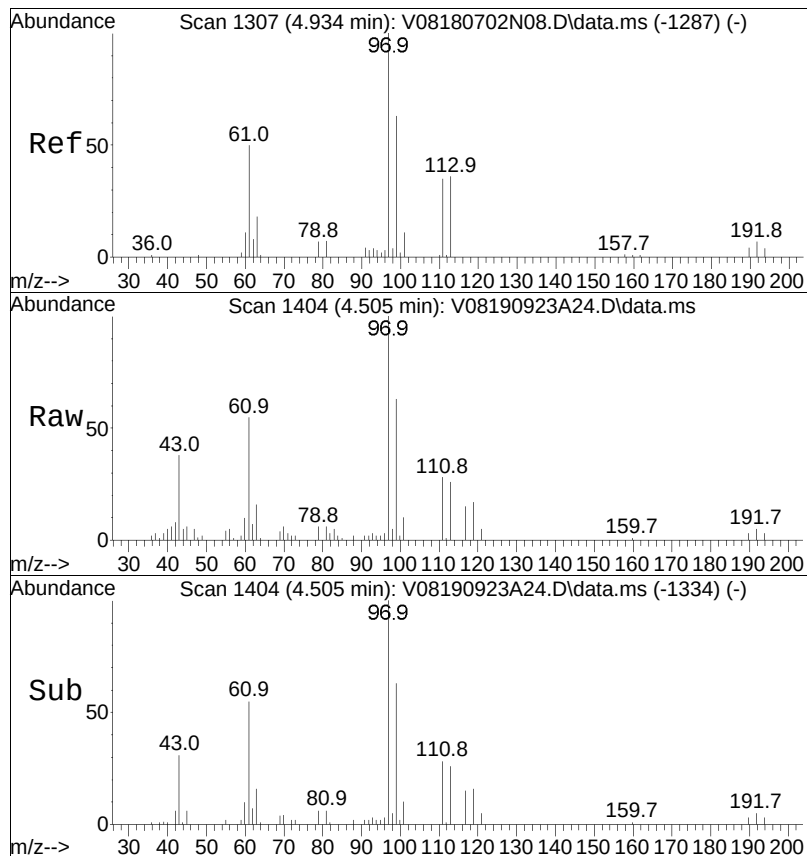
Delta R.T. -0.003 min

Lab File: V08190923A24.D

Acq: 23 Sep 2019 15:54

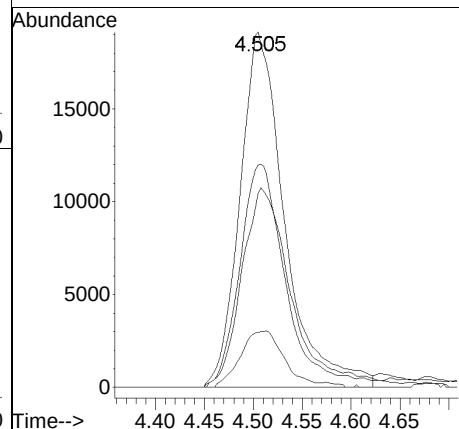
Tgt	Ion:117	Resp:	48752
Ion	Ratio	Lower	Upper
117	100		
119	95.0	62.4	129.6
121	30.3	19.5	40.5
82	25.7	17.0	35.4

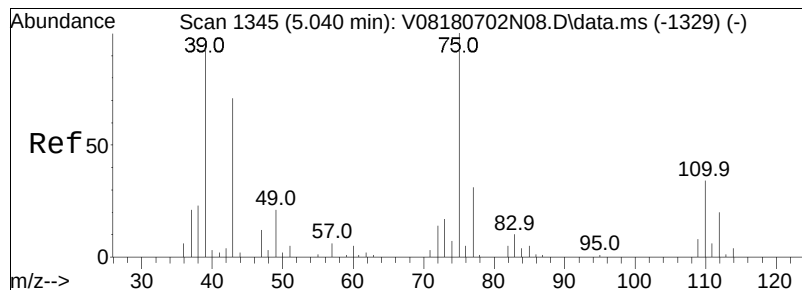




#37
 1,1,1-Trichloroethane
 Concen: 9.02 ug/L
 RT: 4.505 min Scan# 1404
 Delta R.T. -0.006 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

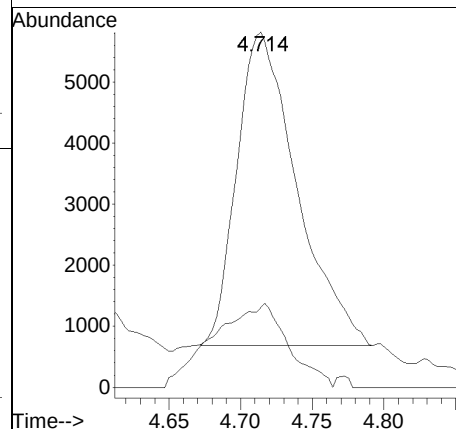
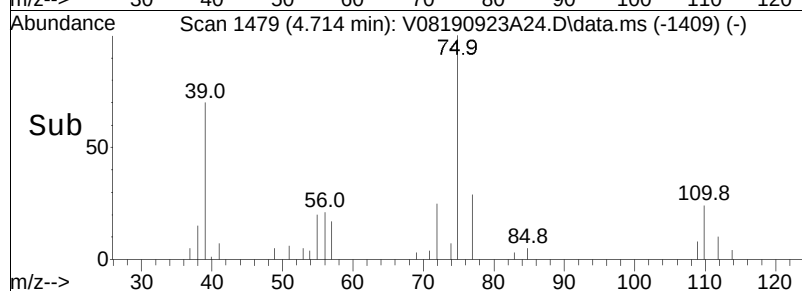
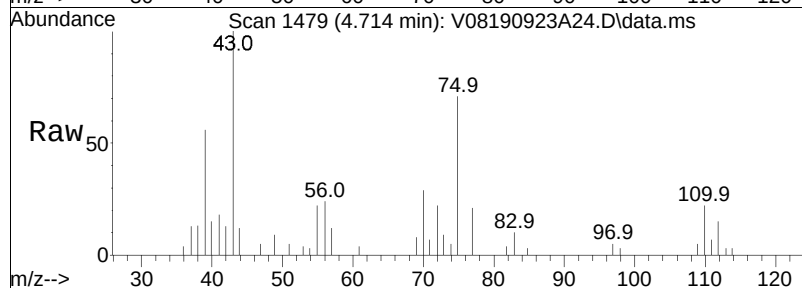
Tgt Ion:	97	Resp:	61014
Ion Ratio	Lower	Upper	
97	100		
99	62.4	40.7	84.5
61	59.7	35.4	73.4
63	15.4	5.0	10.4#

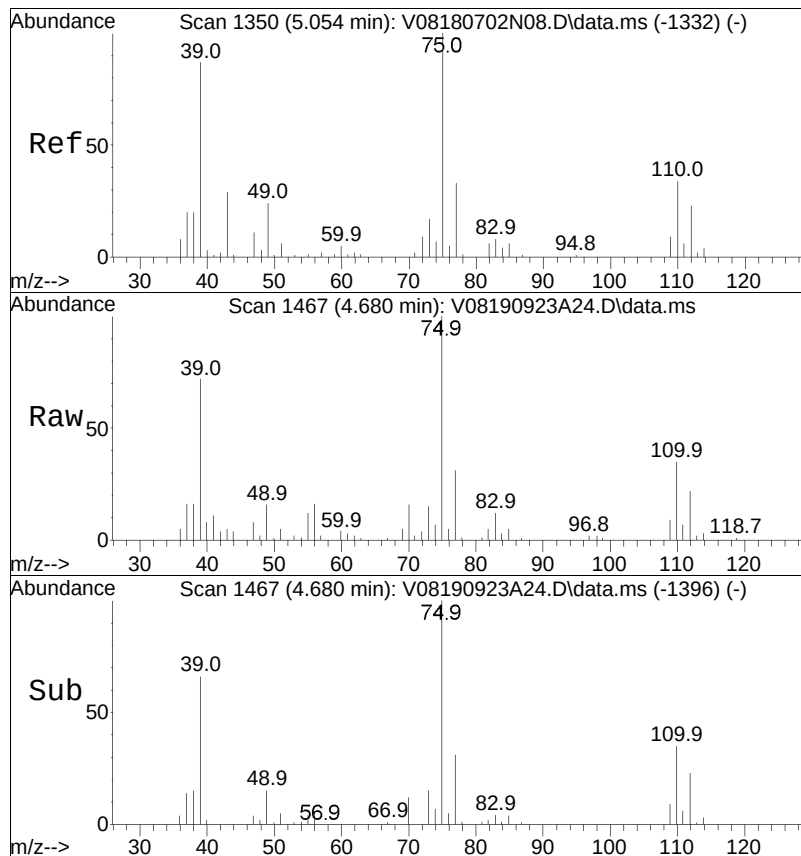




#39
 2-Butanone
 Concen: 11.72 ug/L
 RT: 4.714 min Scan# 1479
 Delta R.T. -0.006 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

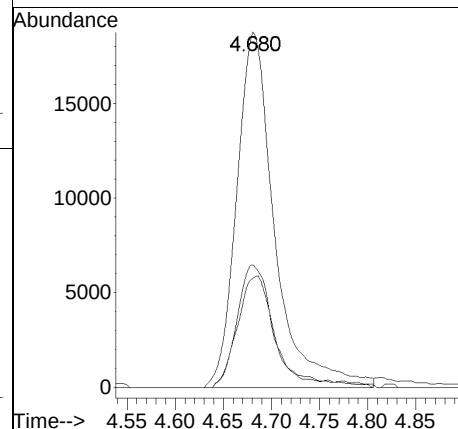
Tgt Ion: 43 Resp: 14964
 Ion Ratio Lower Upper
 43 100
 72 33.5 10.9 16.3#

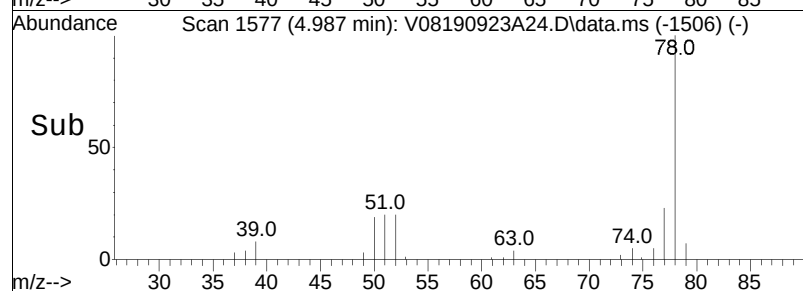
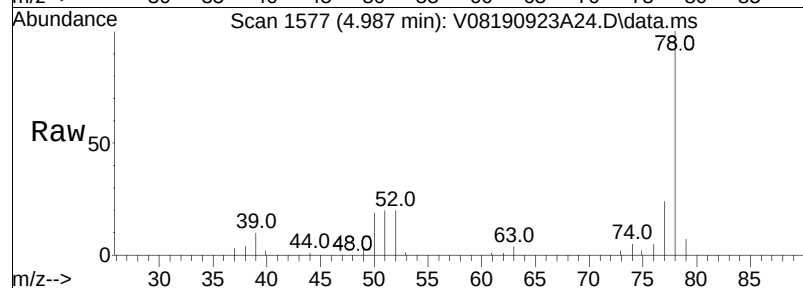
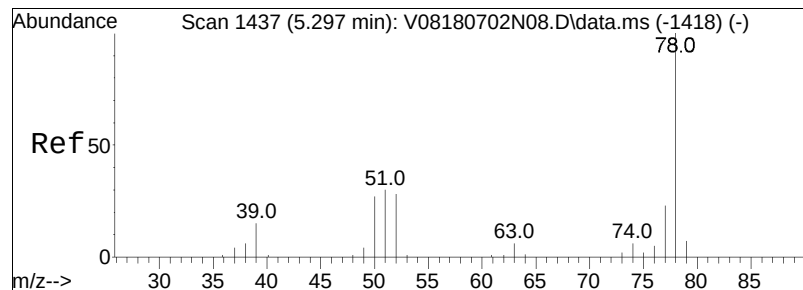




#40
 1,1-Dichloropropene
 Concen: 9.56 ug/L
 RT: 4.680 min Scan# 1467
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

Tgt Ion:	75	Resp:	51646
Ion Ratio	Lower	Upper	
75	100		
110	33.1	20.2	41.9
77	30.2	20.1	41.7





#41

Benzene

Concen: 9.30 ug/L

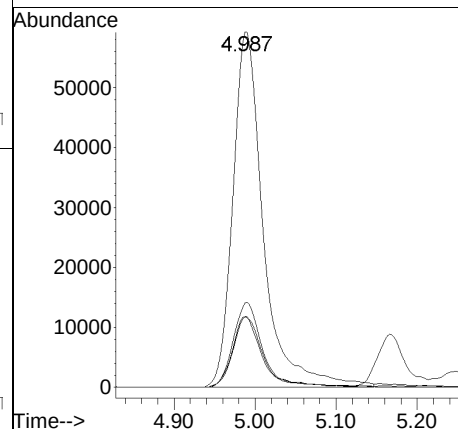
RT: 4.987 min Scan# 1577

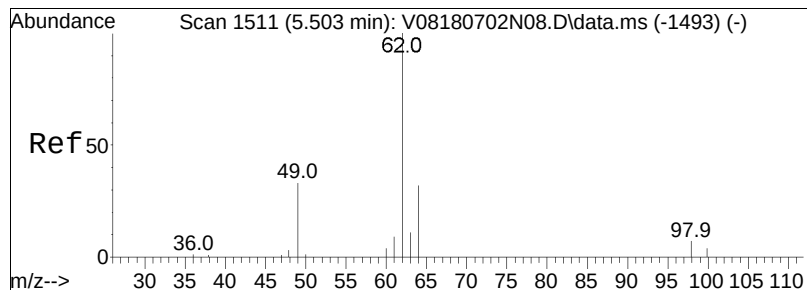
Delta R.T. -0.003 min

Lab File: V08190923A24.D

Acq: 23 Sep 2019 15:54

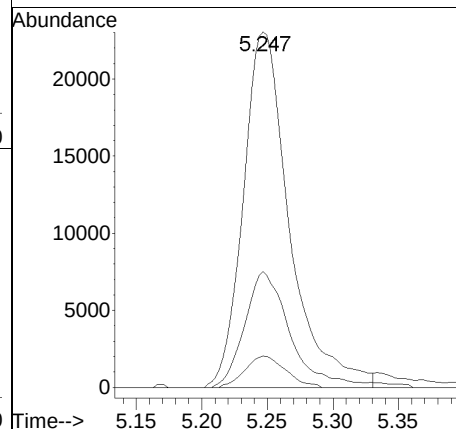
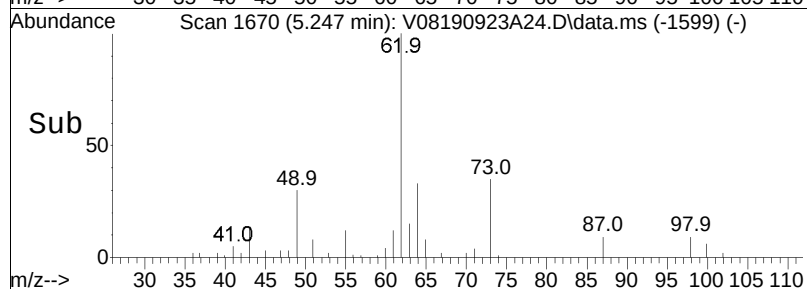
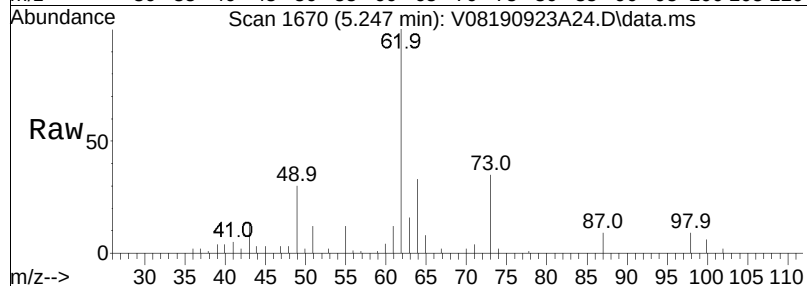
Tgt	Ion: 78	Resp:	156029
Ion	Ratio	Lower	Upper
78	100		
77	22.1	15.7	32.7
51	20.1	16.0	33.2
52	18.8	15.3	31.9

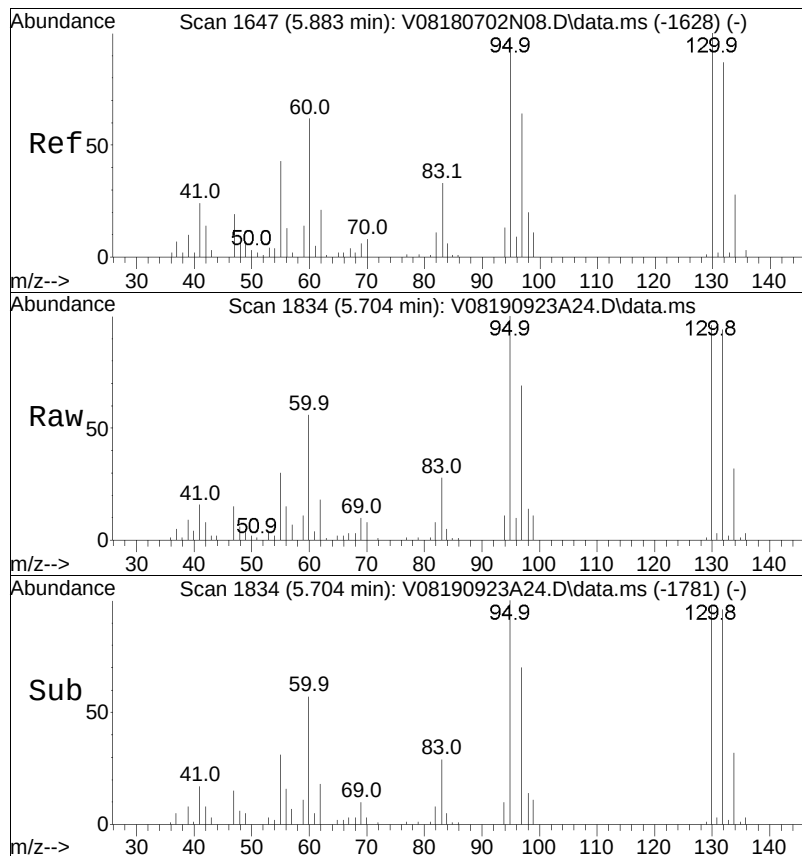




#44
 1,2-Dichloroethane
 Concen: 9.05 ug/L
 RT: 5.247 min Scan# 1670
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

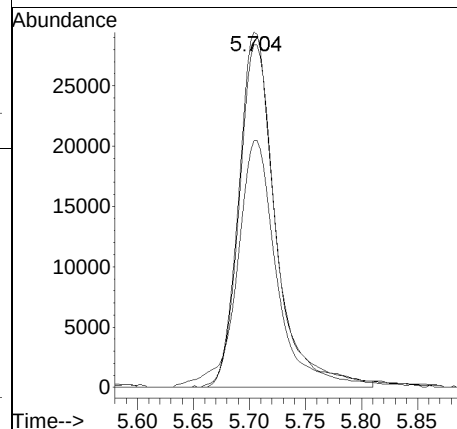
Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.7	11.2	51.2
98	7.8	0.0	26.1

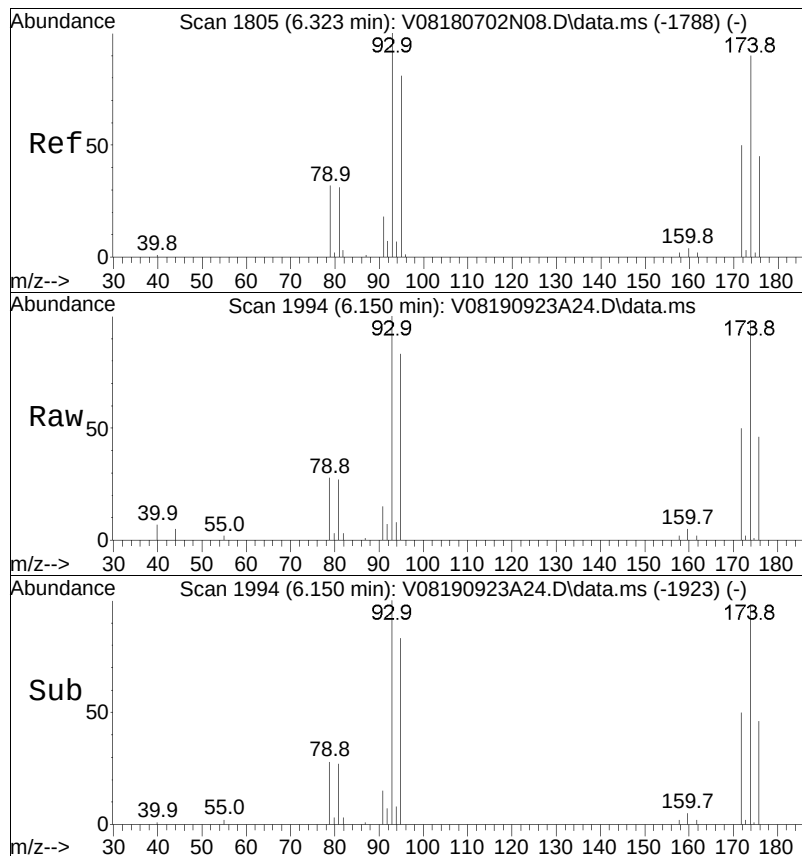




#48
 Trichloroethene
 Concen: 14.93 ug/L
 RT: 5.704 min Scan# 1834
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

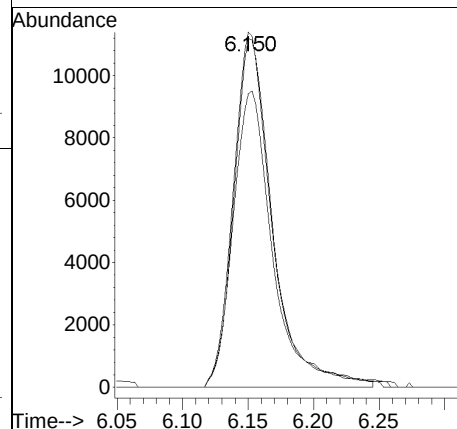
Tgt Ion:	95	Resp:	67564
Ion Ratio	Lower	Upper	
95	100		
97	75.5	55.5	83.3
130	98.4	76.6	115.0

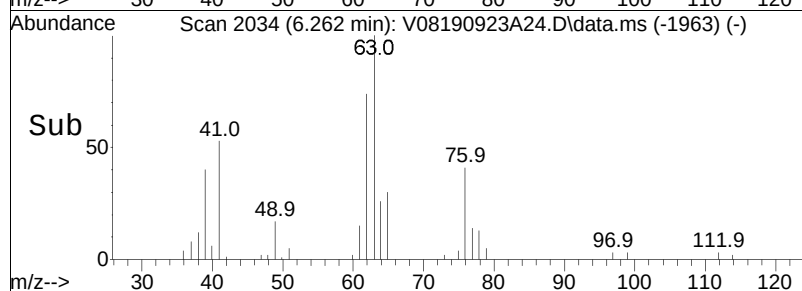
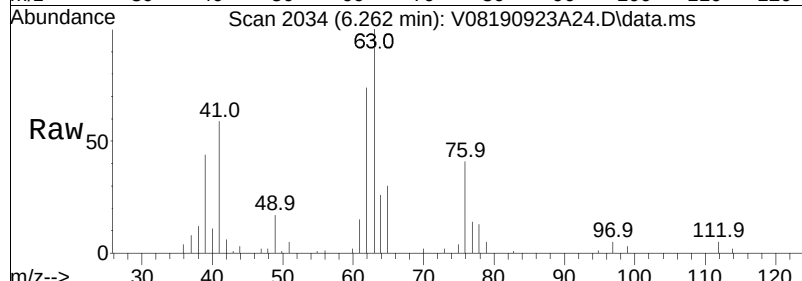
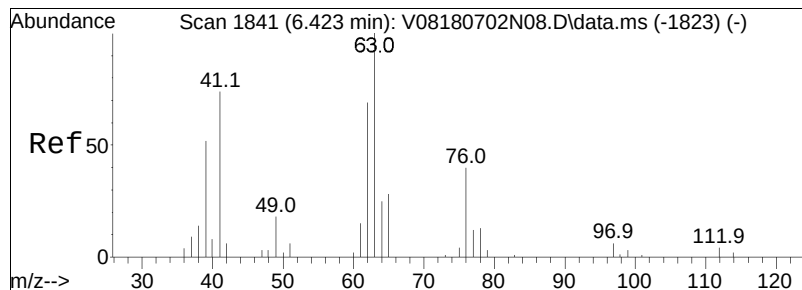




#50
 Dibromomethane
 Concen: 9.19 ug/L
 RT: 6.150 min Scan# 1994
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

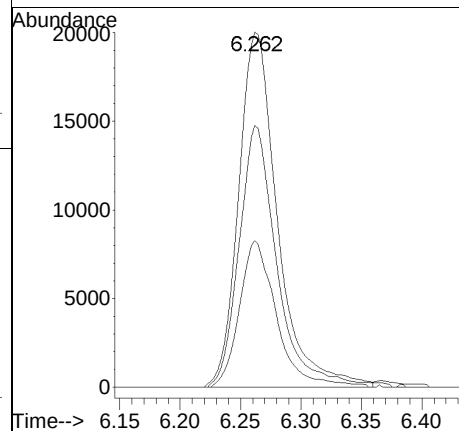
Tgt Ion:	93	Resp:	23358
Ion Ratio	Lower	Upper	
93	100		
95	85.7	67.0	100.4
174	99.1	75.0	112.4

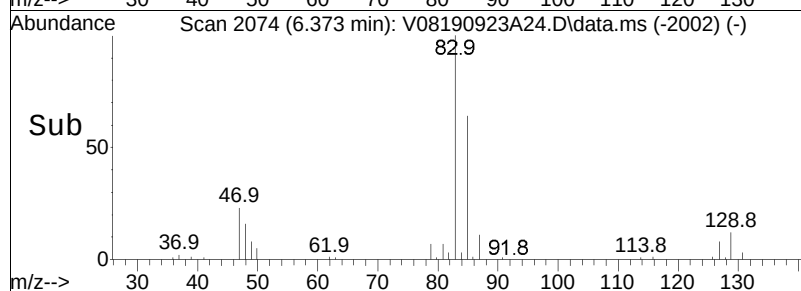
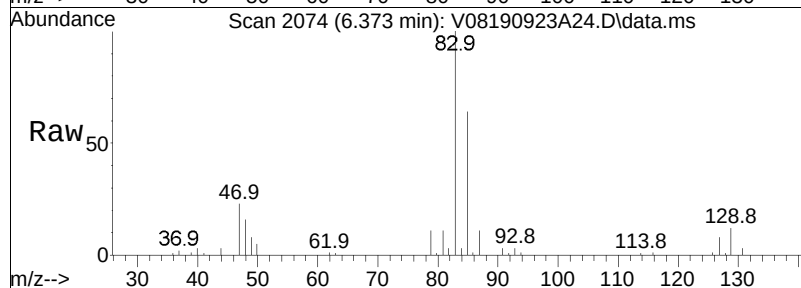
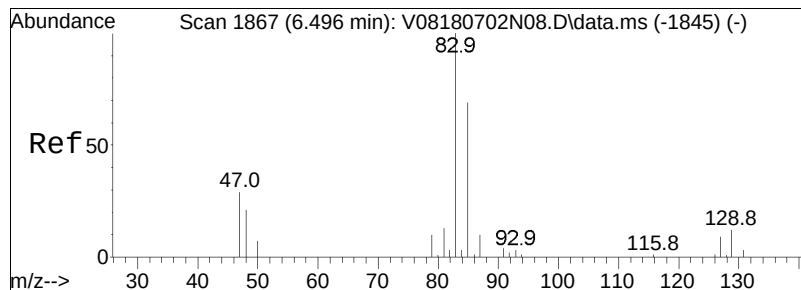




#51
 1,2-Dichloropropane
 Concen: 10.08 ug/L
 RT: 6.262 min Scan# 2034
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
63	100		
62	71.3	58.6	87.8
76	39.5	38.0	57.0





#54

Bromodichloromethane

Concen: 8.96 ug/L

RT: 6.373 min Scan# 2074

Delta R.T. 0.000 min

Lab File: V08190923A24.D

Acq: 23 Sep 2019 15:54

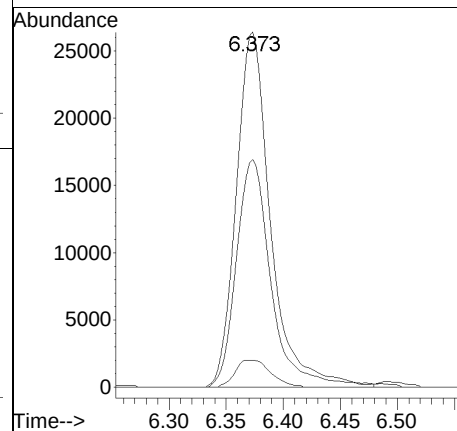
Tgt Ion: 83 Resp: 55540

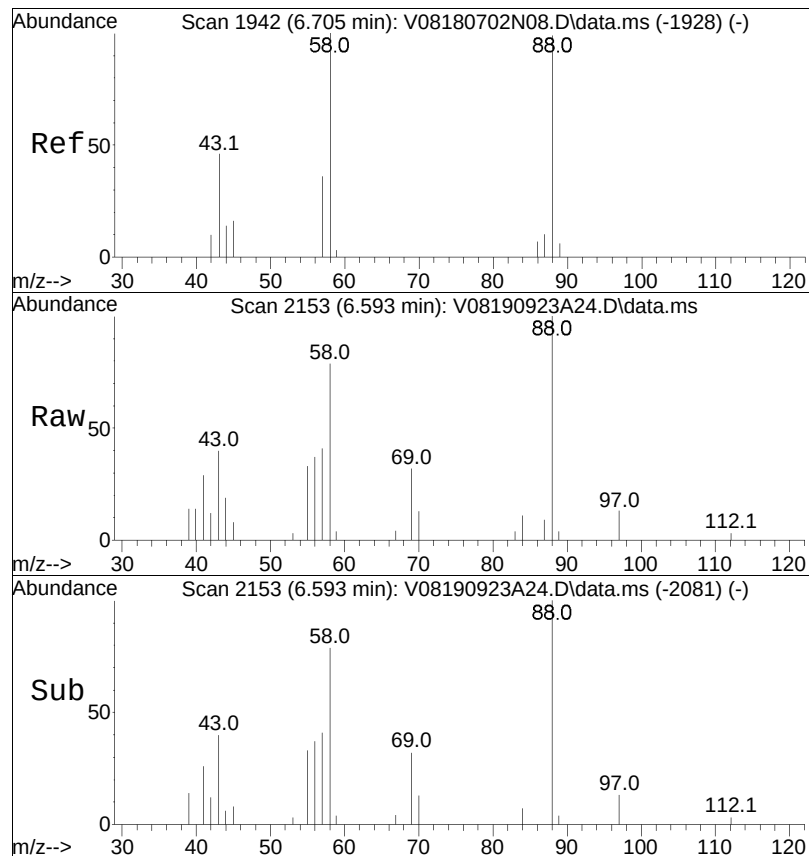
Ion Ratio Lower Upper

83 100

85 64.7 52.3 78.5

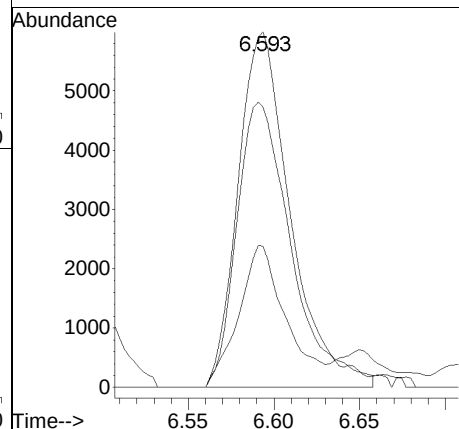
127 8.0 6.2 9.4

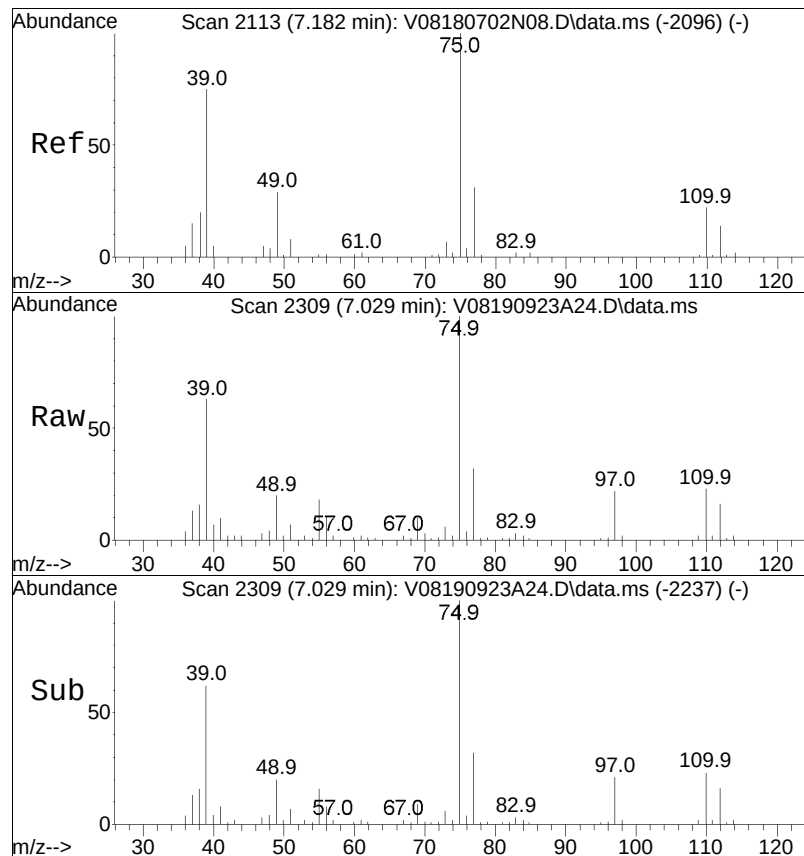




#57
 1,4-Dioxane
 Concen: 584.45 ug/L
 RT: 6.593 min Scan# 2153
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

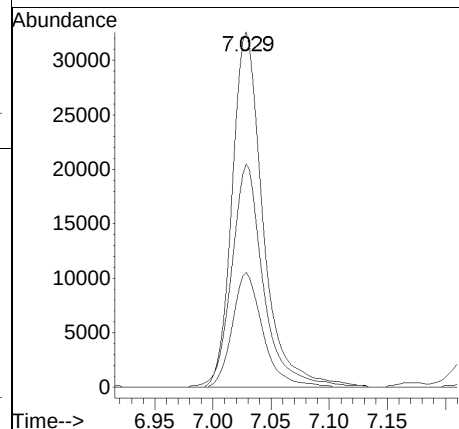
Tgt Ion:	88	Resp:	12790
Ion Ratio	Lower	Upper	
88	100		
58	82.6	76.7	115.1
43	36.0	36.2	54.2#

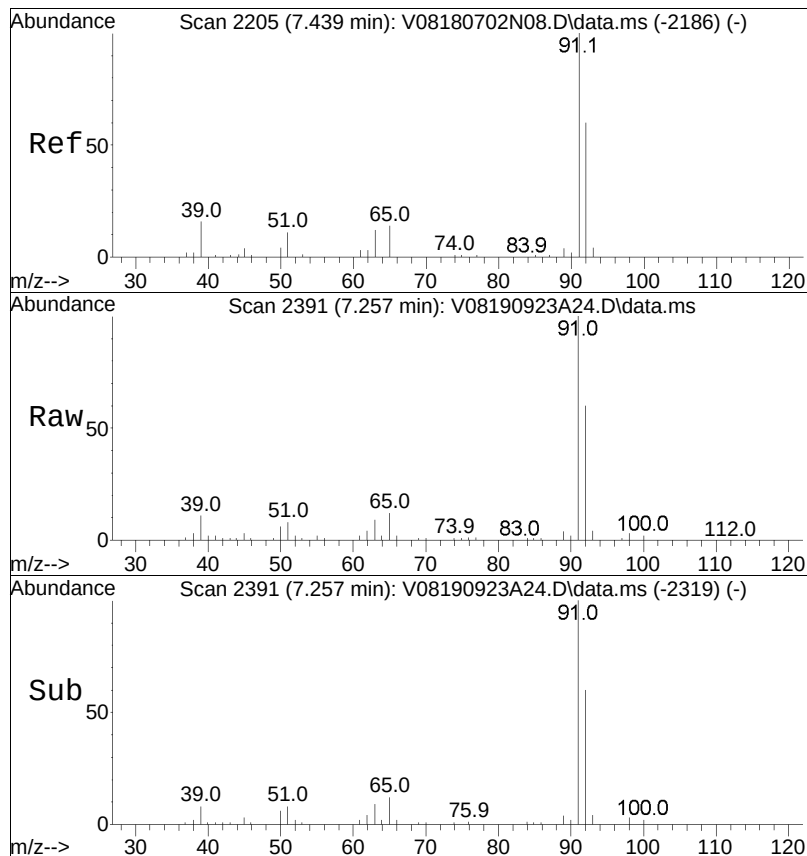




#58
 cis-1,3-Dichloropropene
 Concen: 8.66 ug/L
 RT: 7.029 min Scan# 2309
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

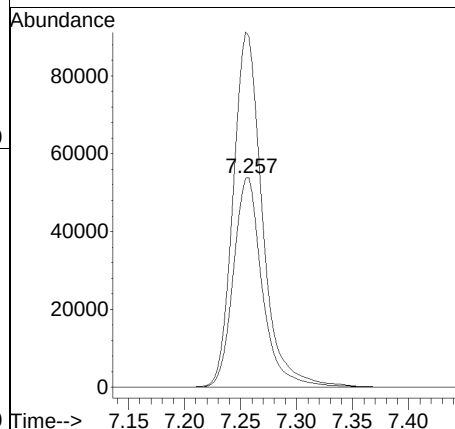
Tgt Ion:	75	Resp:	60590
Ion Ratio	Lower	Upper	
75	100		
77	32.1	25.0	37.4
39	64.8	50.1	75.1

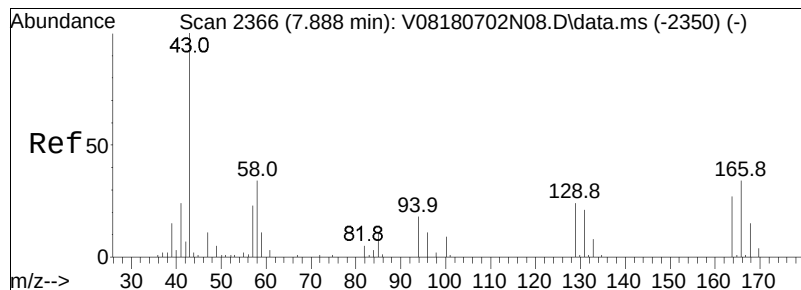




#61
 Toluene
 Concen: 9.21 ug/L
 RT: 7.257 min Scan# 2391
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

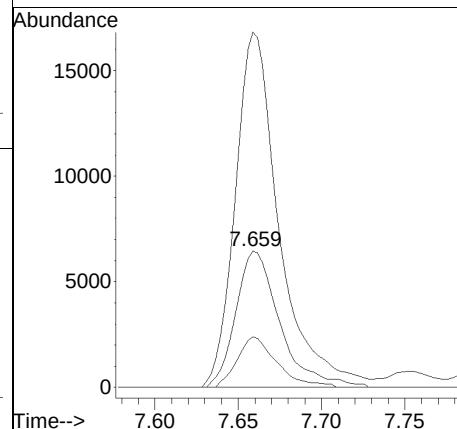
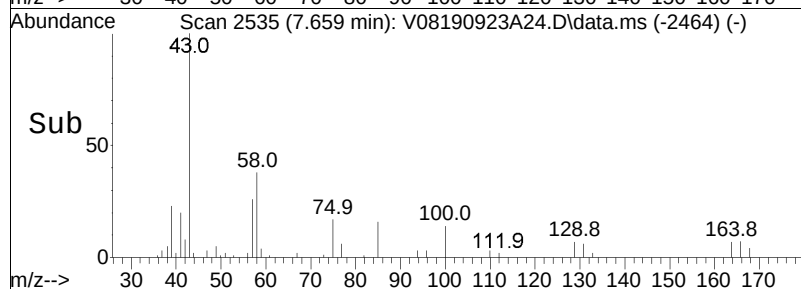
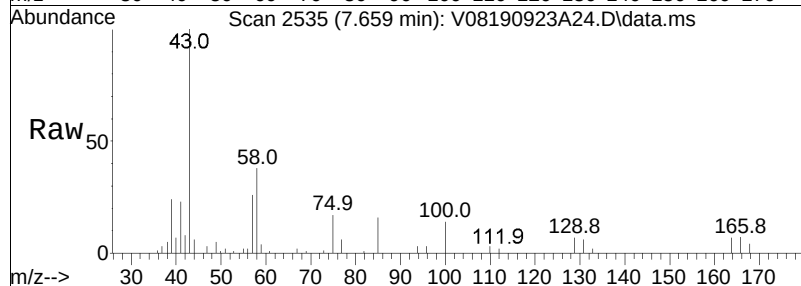
Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.2	139.8	209.6

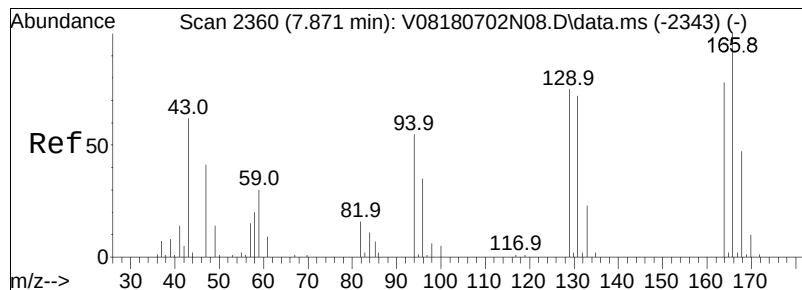




#62
 4-Methyl-2-pentanone
 Concen: 9.07 ug/L
 RT: 7.659 min Scan# 2535
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

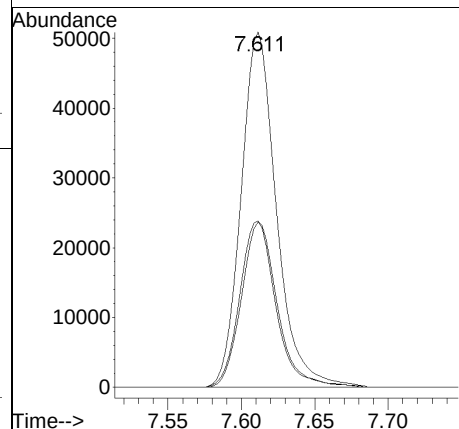
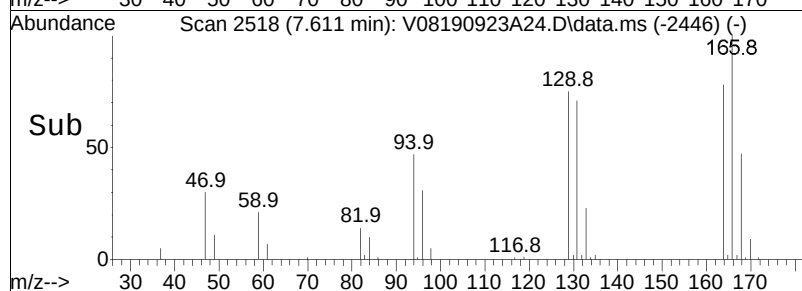
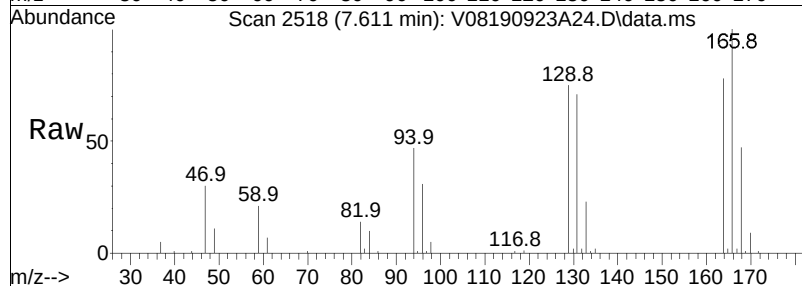
Tgt Ion	Ratio	Lower	Upper
58	100		
100	33.5	20.2	30.2
43	258.8	196.6	295.0

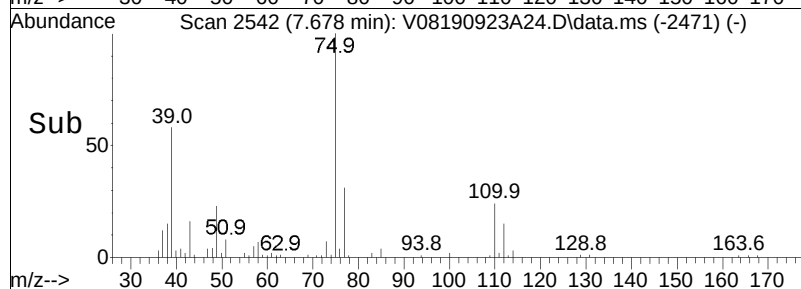
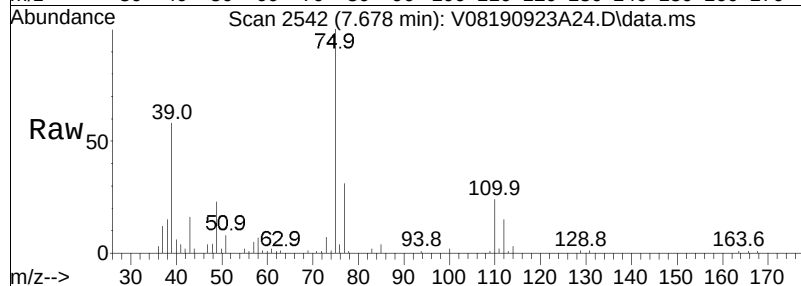
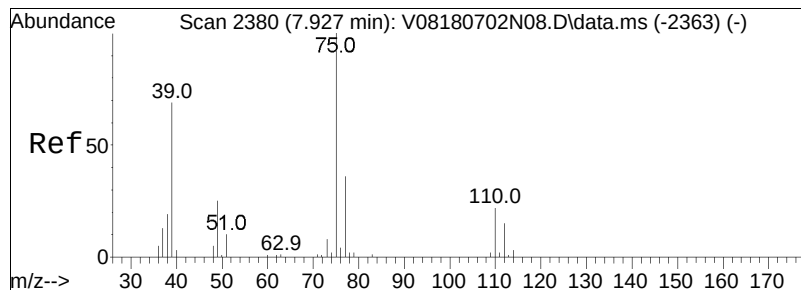




#63
Tetrachloroethene
Concen: 19.16 ug/L
RT: 7.611 min Scan# 2518
Delta R.T. 0.000 min
Lab File: V08190923A24.D
Acq: 23 Sep 2019 15:54

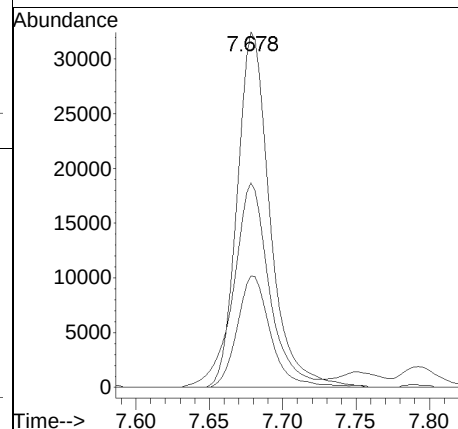
Tgt Ion	Ratio	Lower	Upper
166	100		
168	47.3	28.2	68.2
94	47.8	38.4	78.4

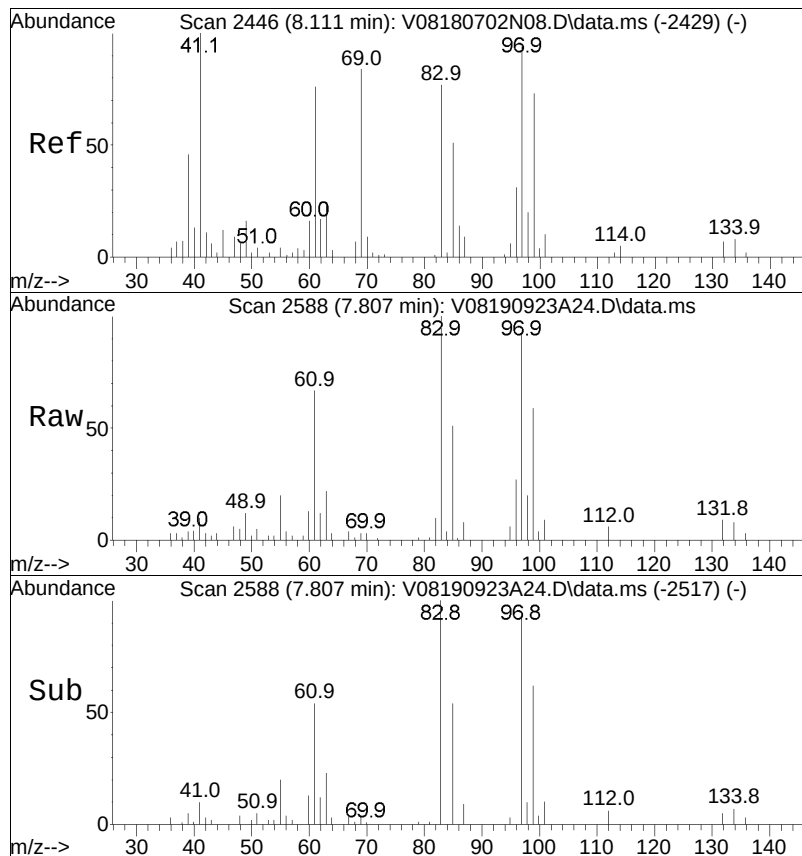




#65
 trans-1,3-Dichloropropene
 Concen: 8.32 ug/L
 RT: 7.678 min Scan# 2542
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

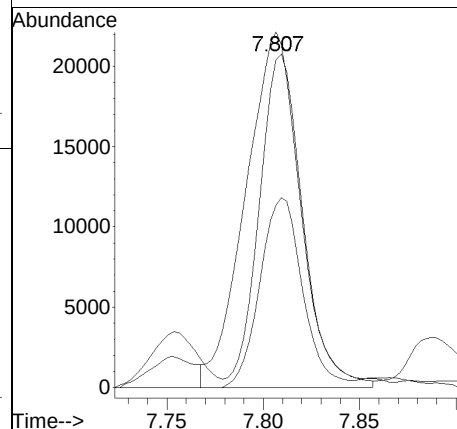
Tgt Ion:	75	Resp:	50683
Ion Ratio	Lower	Upper	
75	100		
77	31.9	12.4	52.4
39	63.0	42.8	82.8

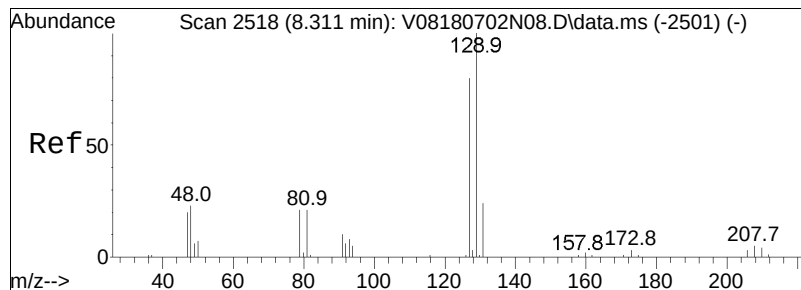




#68
 1,1,2-Trichloroethane
 Concen: 14.61 ug/L
 RT: 7.807 min Scan# 2588
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

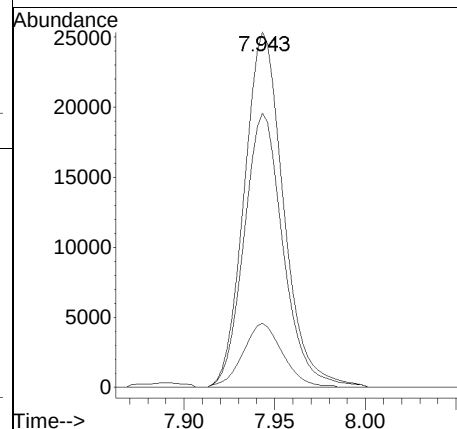
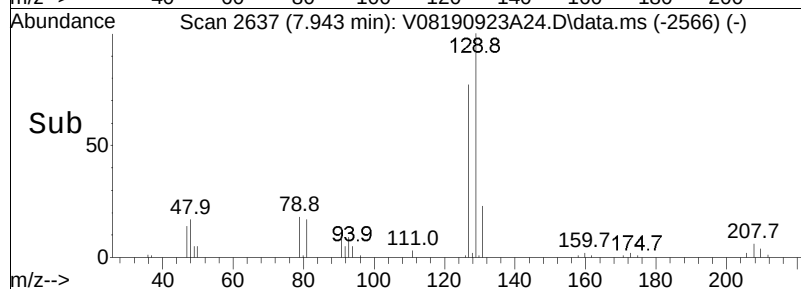
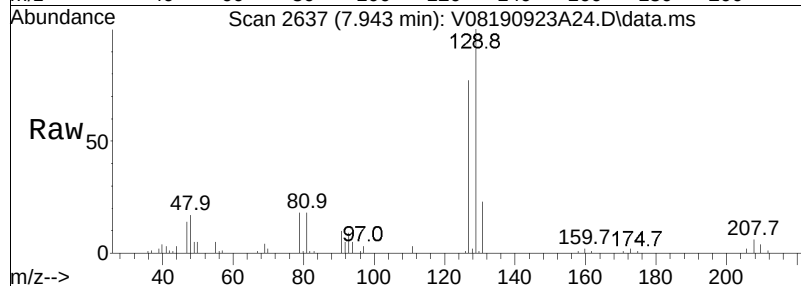
Tgt Ion:	83	Resp:	43320
Ion Ratio	Lower	Upper	
83	100		
97	73.6	89.8	129.8#
85	42.0	44.4	84.4#

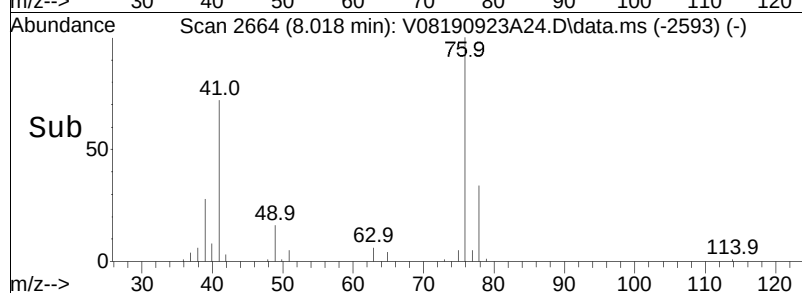
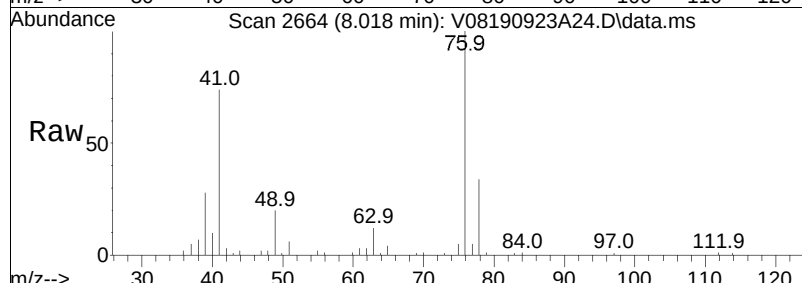
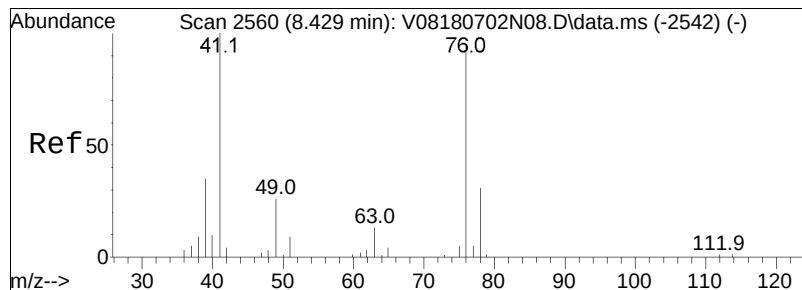




#69
 Chlorodibromomethane
 Concen: 8.90 ug/L
 RT: 7.943 min Scan# 2637
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

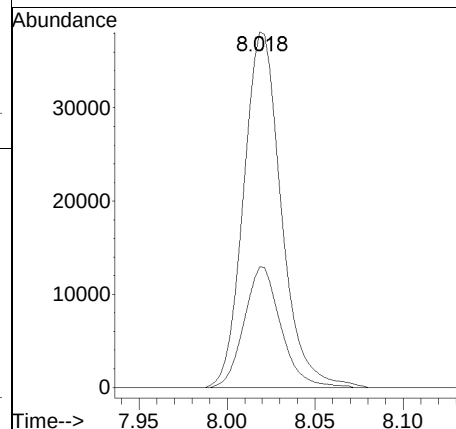
Tgt Ion	Ratio	Lower	Upper
129	100		
81	18.3	2.9	42.9
127	76.8	57.8	97.8

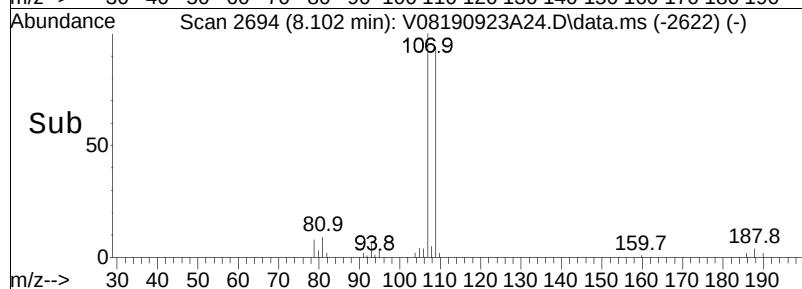
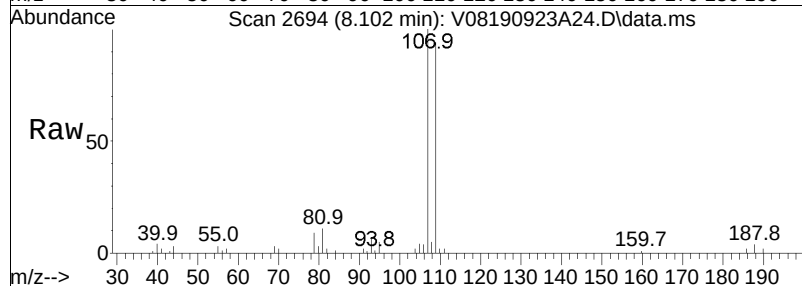
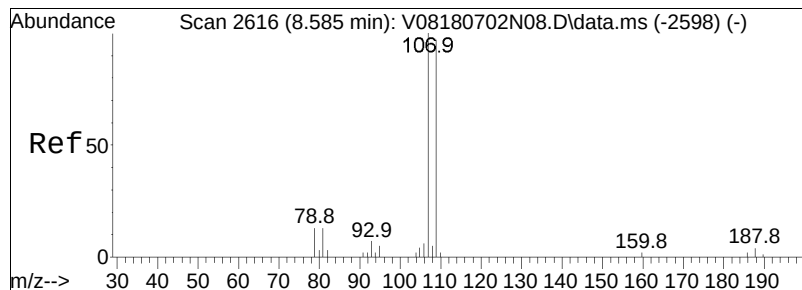




#70
 1,3-Dichloropropane
 Concen: 9.26 ug/L
 RT: 8.018 min Scan# 2664
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

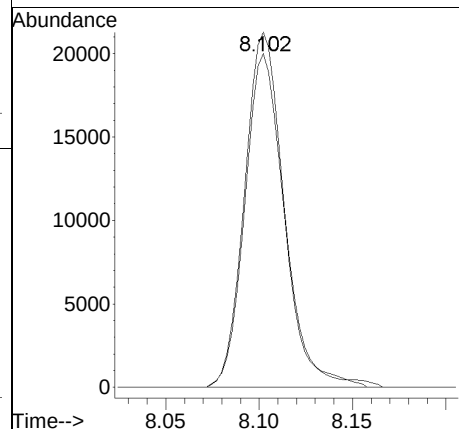
Tgt	Ion	Resp	Lower	Upper
76	100			
78	33.1	25.5	38.3	

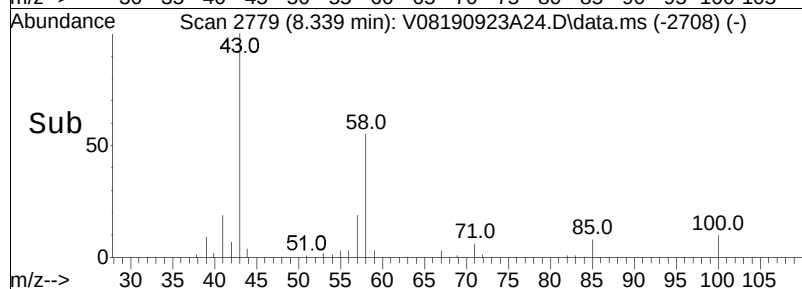
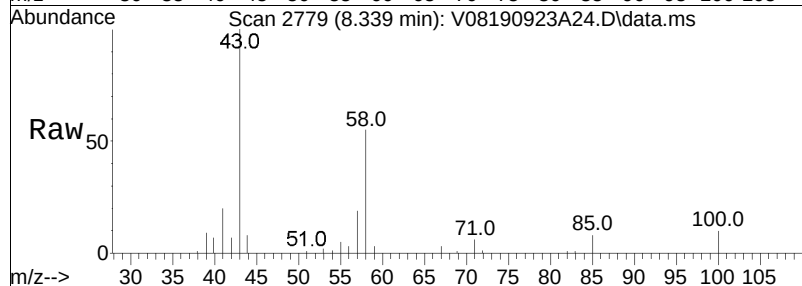
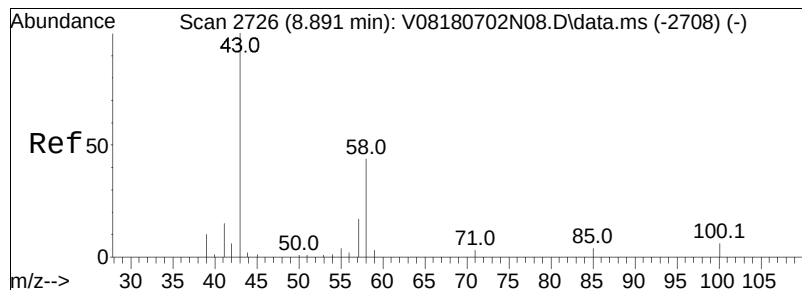




#71
 1,2-Dibromoethane
 Concen: 9.14 ug/L
 RT: 8.102 min Scan# 2694
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.7	74.3	111.5





#72

2-Hexanone

Concen: 9.36 ug/L

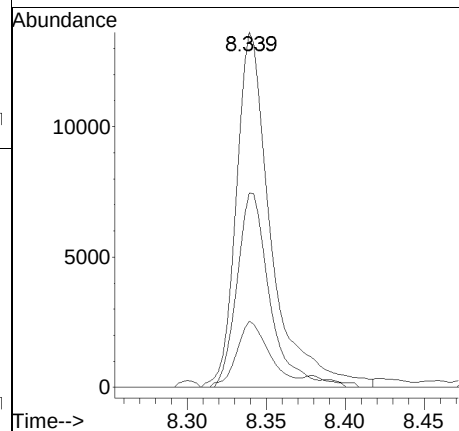
RT: 8.339 min Scan# 2779

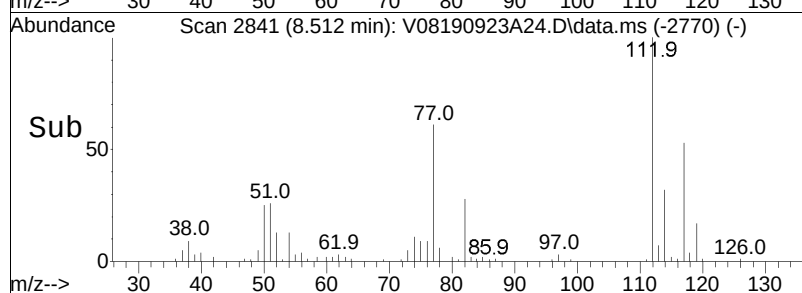
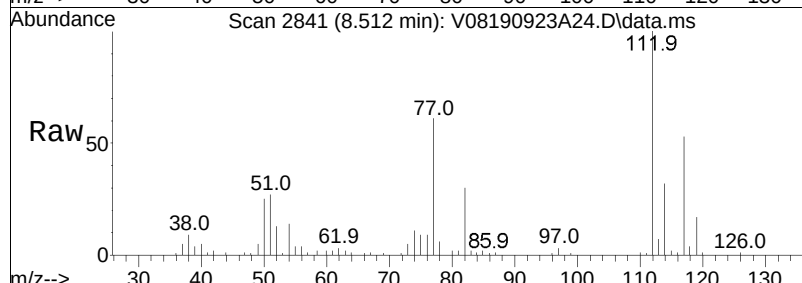
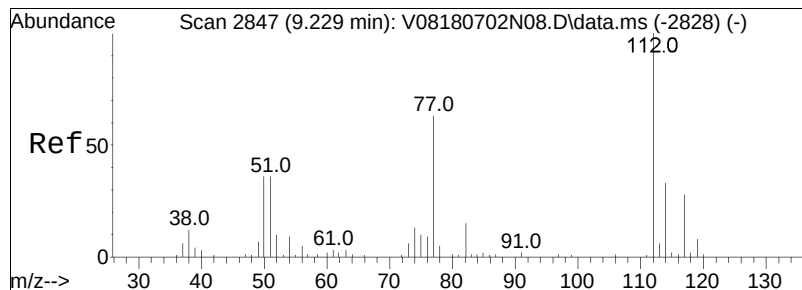
Delta R.T. -0.003 min

Lab File: V08190923A24.D

Acq: 23 Sep 2019 15:54

Tgt Ion:	43	Resp:	21002
Ion Ratio	Lower	Upper	
43	100		
58	50.8	41.2	61.8
57	17.6	17.2	25.8





#73

Chlorobenzene

Concen: 9.05 ug/L

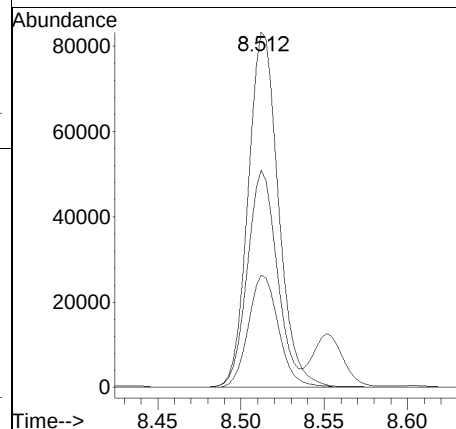
RT: 8.512 min Scan# 2841

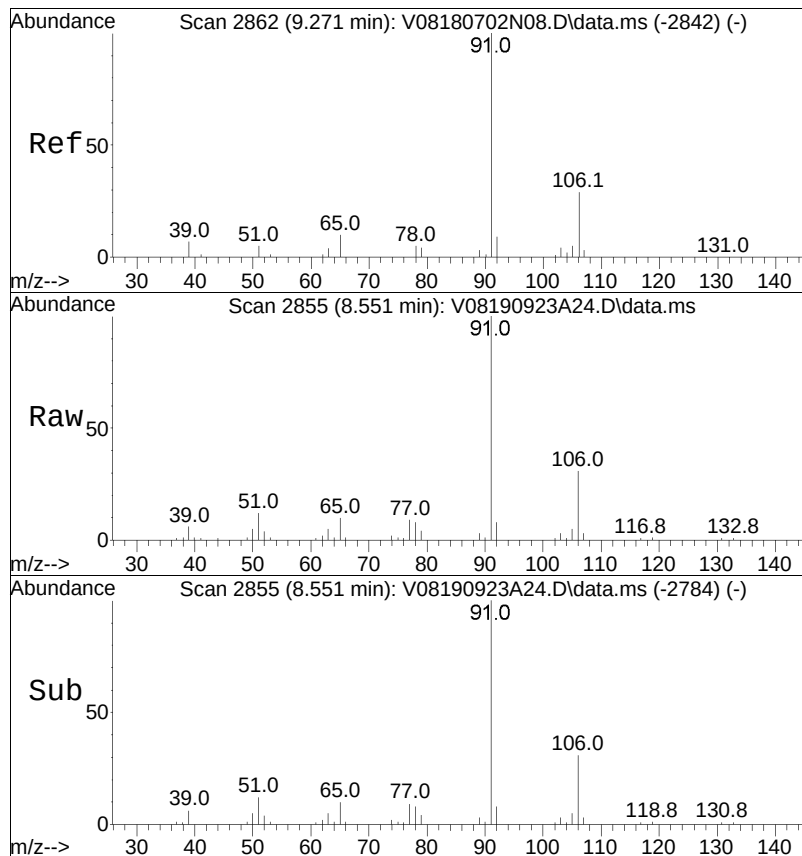
Delta R.T. -0.003 min

Lab File: V08190923A24.D

Acq: 23 Sep 2019 15:54

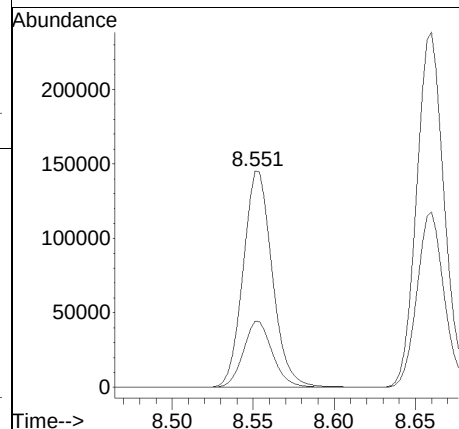
Tgt	Ion:112	Resp:	105627
Ion	Ratio	Lower	Upper
112	100		
77	60.6	55.4	83.0
114	31.5	25.4	38.2

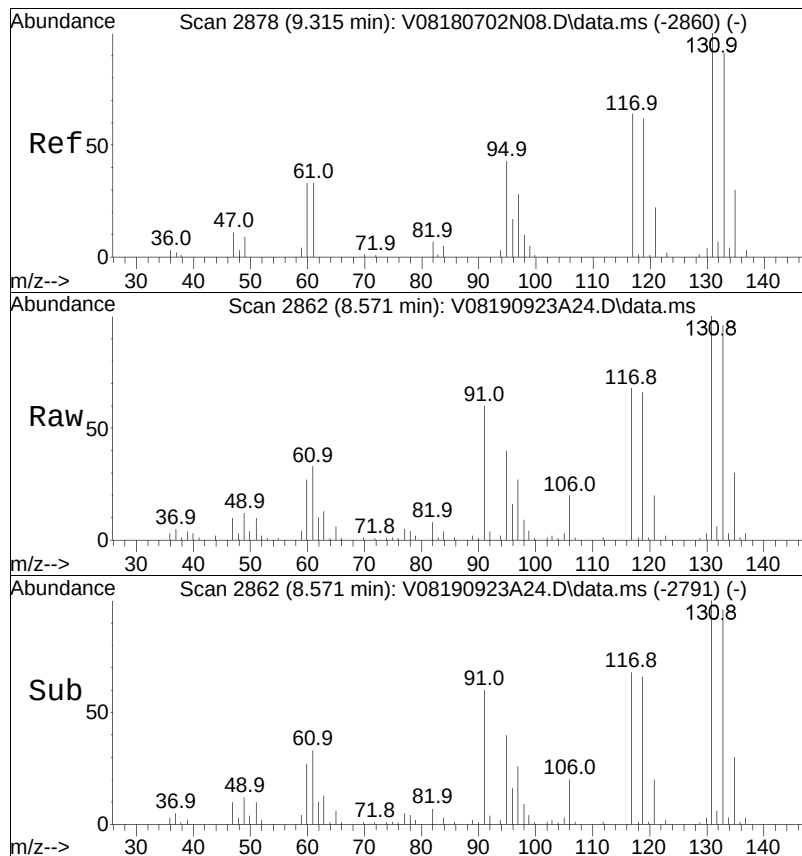




#74
 Ethylbenzene
 Concen: 9.00 ug/L
 RT: 8.551 min Scan# 2855
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

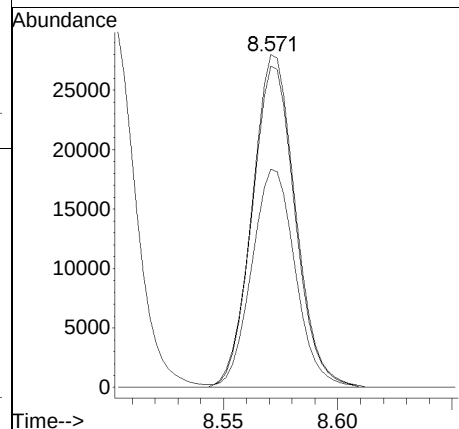
Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.3	36.5

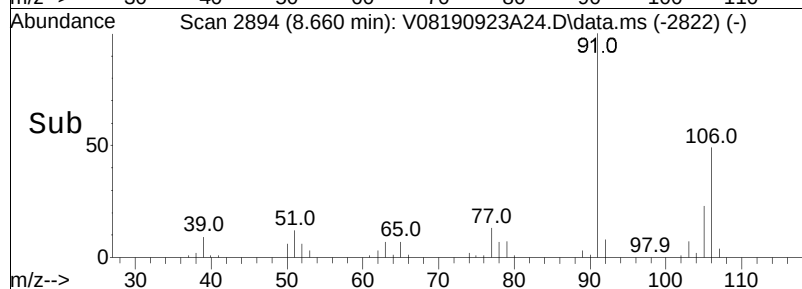
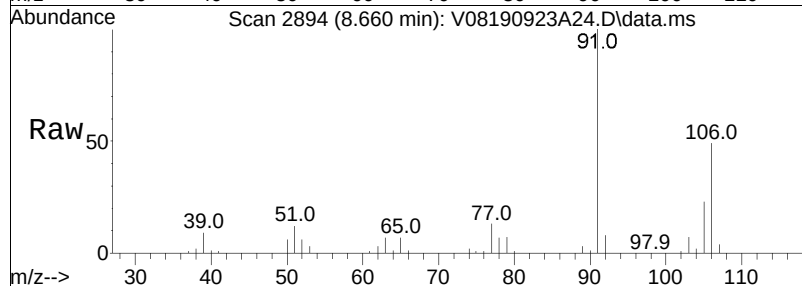
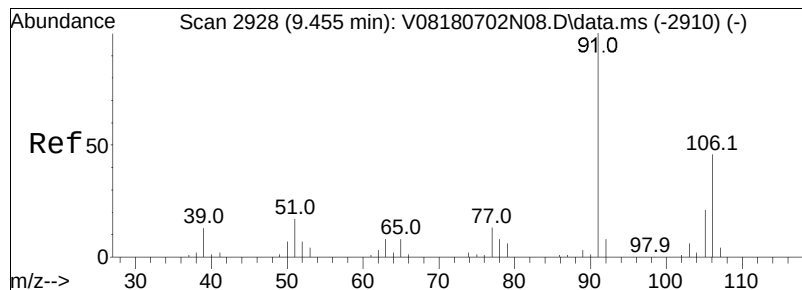




#75
 1,1,1,2-Tetrachloroethane
 Concen: 8.70 ug/L
 RT: 8.571 min Scan# 2862
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

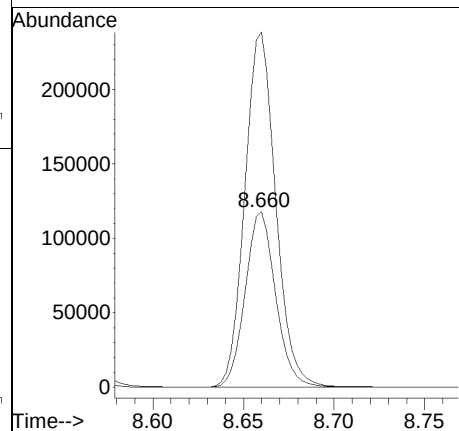
Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	81.0	121.0
119	65.7	41.3	81.3

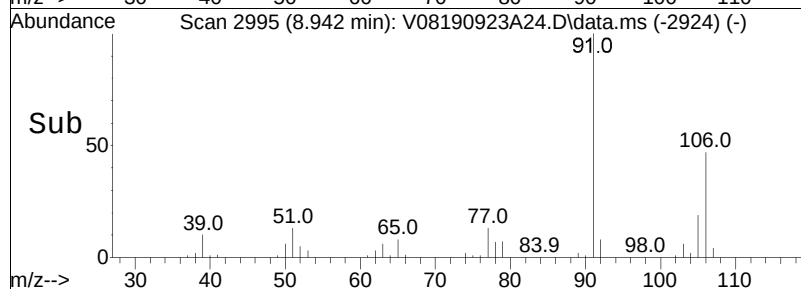
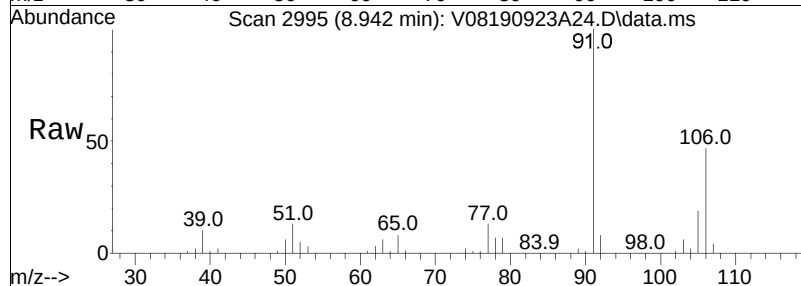
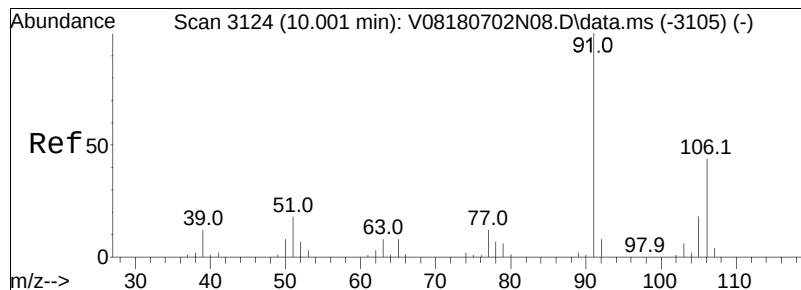




#76
 p/m Xylene
 Concen: 18.00 ug/L
 RT: 8.660 min Scan# 2894
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

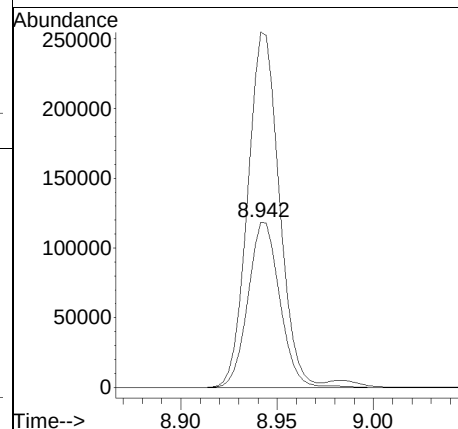
Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.0	166.4	249.6

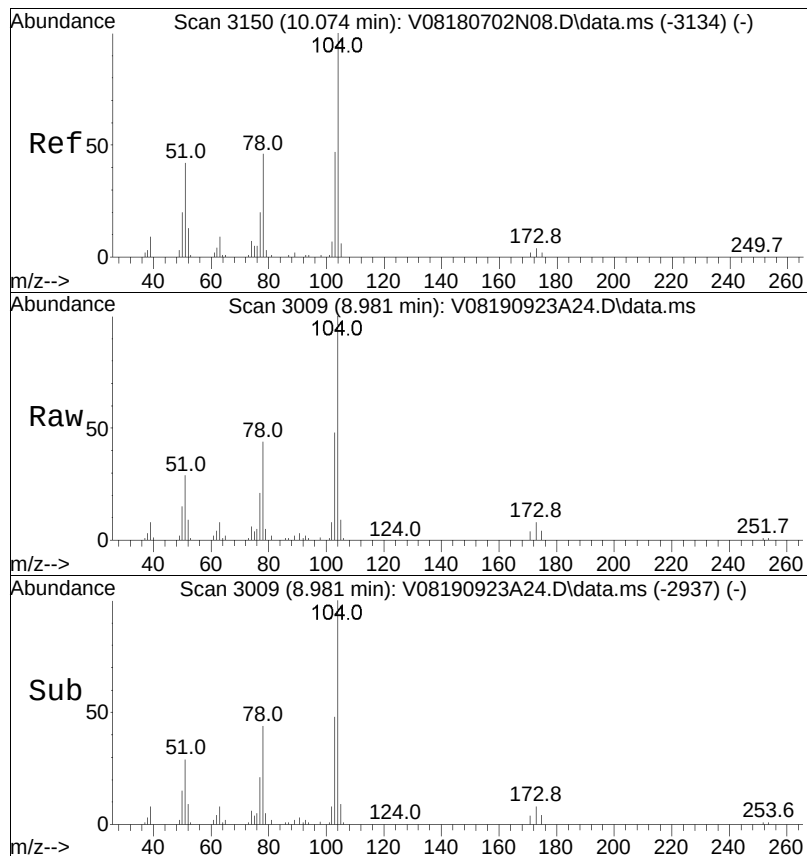




#77
 o Xylene
 Concen: 18.43 ug/L
 RT: 8.942 min Scan# 2995
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

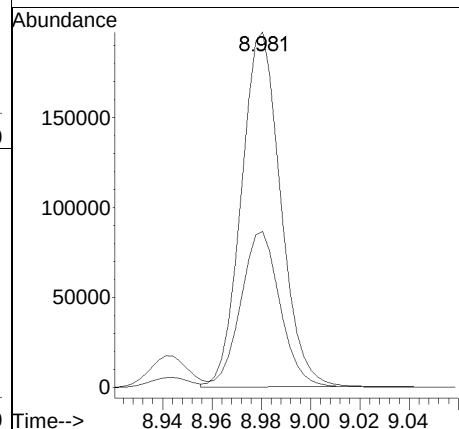
Tgt Ion	Ratio	Lower	Upper
106	100		
91	213.1	182.6	273.8

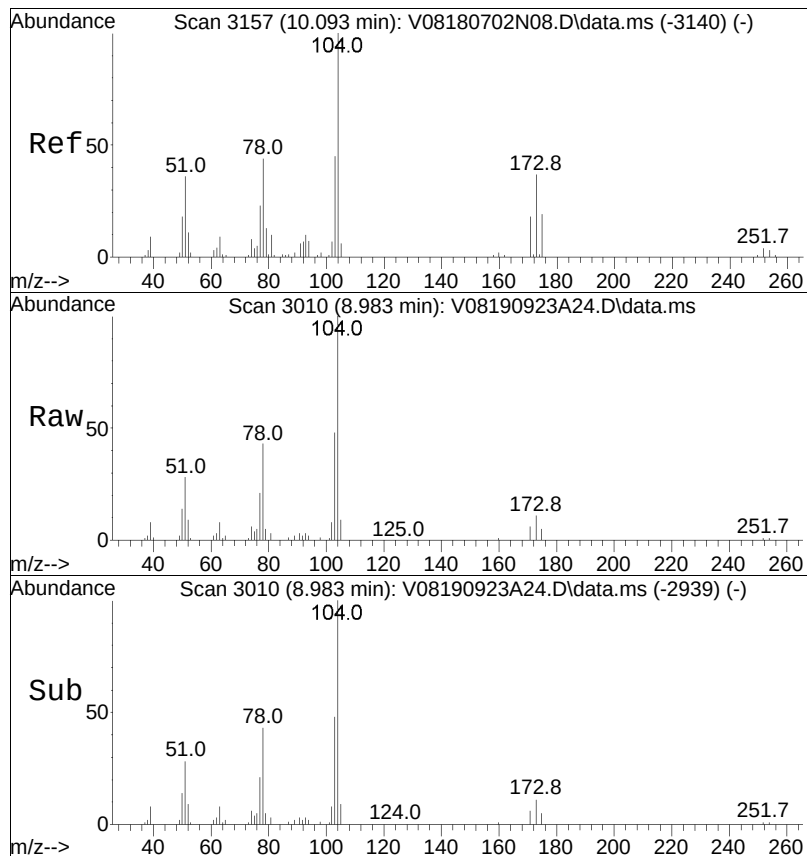




#78
 Styrene
 Concen: 17.82 ug/L
 RT: 8.981 min Scan# 3009
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

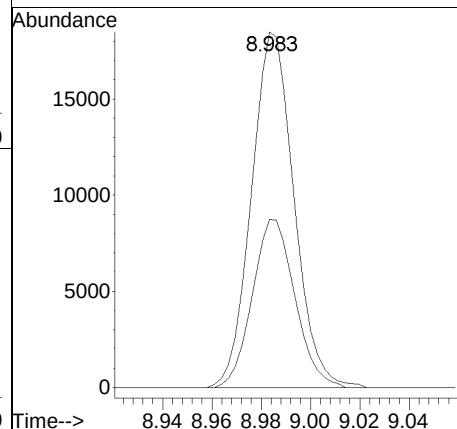
Tgt Ion	Ratio	Lower	Upper
104	100		
78	44.0	39.8	59.6

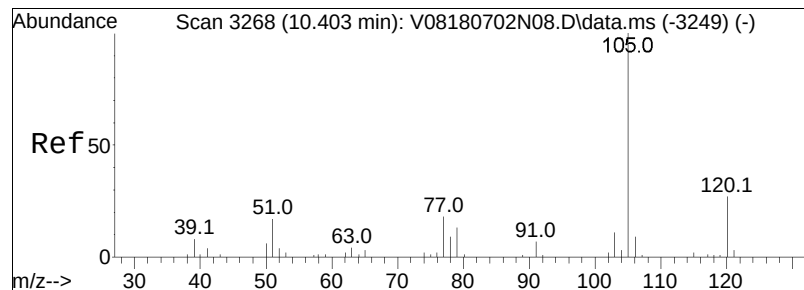




#80
 Bromoform
 Concen: 8.27 ug/L
 RT: 8.983 min Scan# 3010
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.2	31.5	71.5





#82

Isopropylbenzene

Concen: 8.97 ug/L

RT: 9.153 min Scan# 3071

Delta R.T. 0.000 min

Lab File: V08190923A24.D

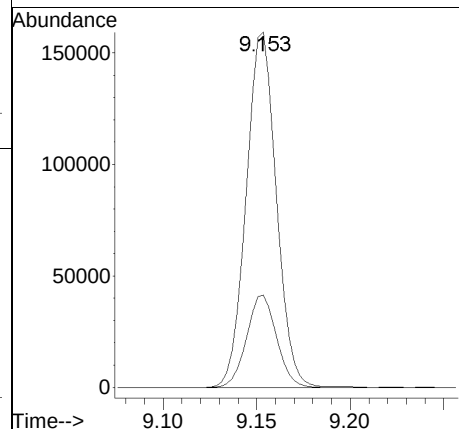
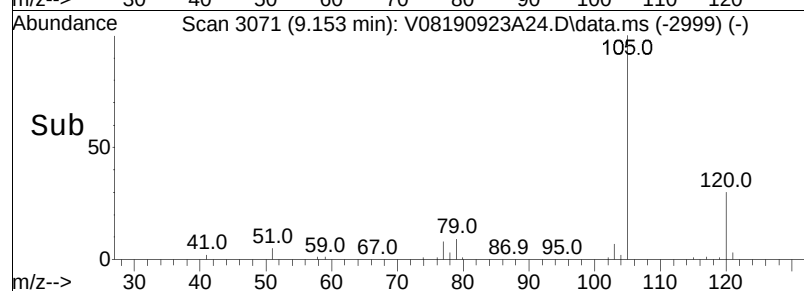
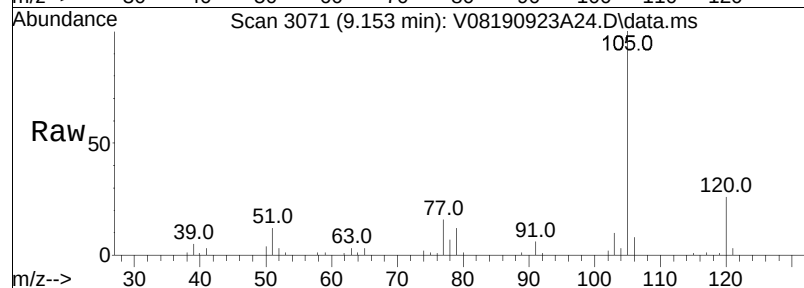
Acq: 23 Sep 2019 15:54

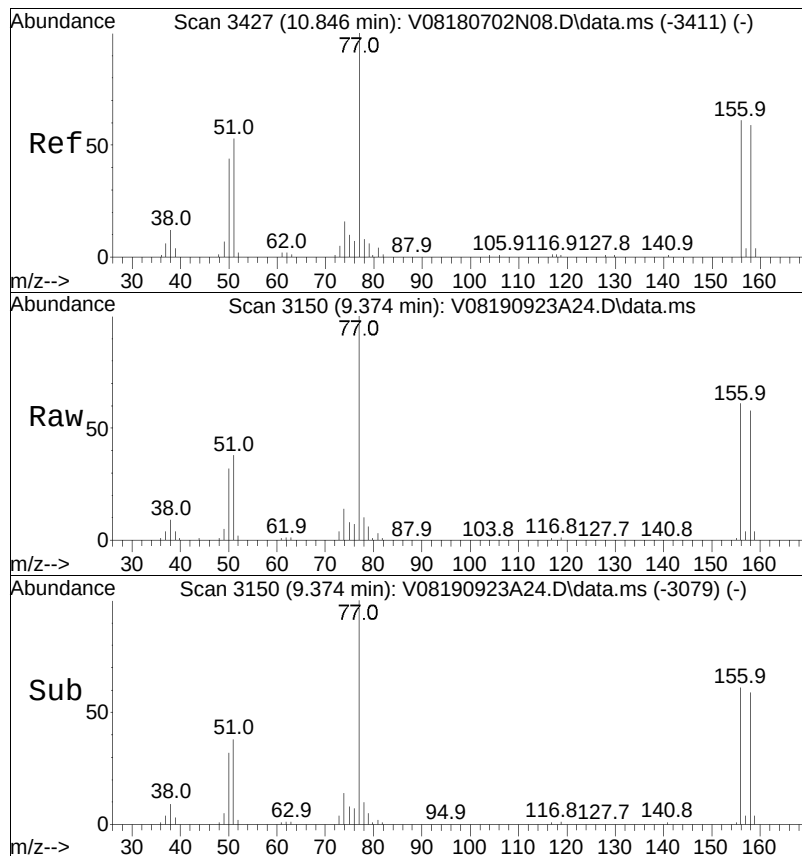
Tgt Ion:105 Resp: 178796

Ion Ratio Lower Upper

105 100

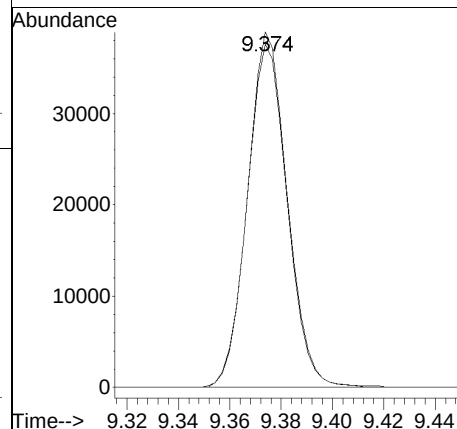
120 25.8 4.8 44.8

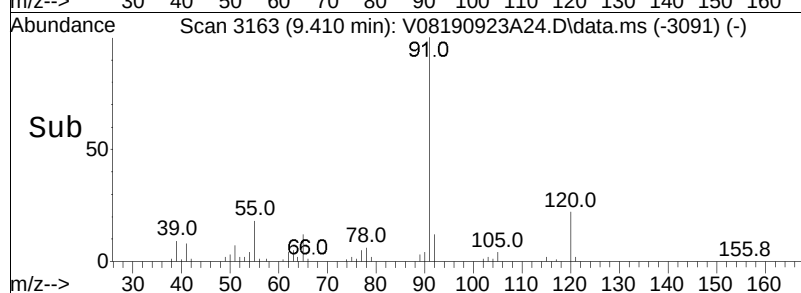
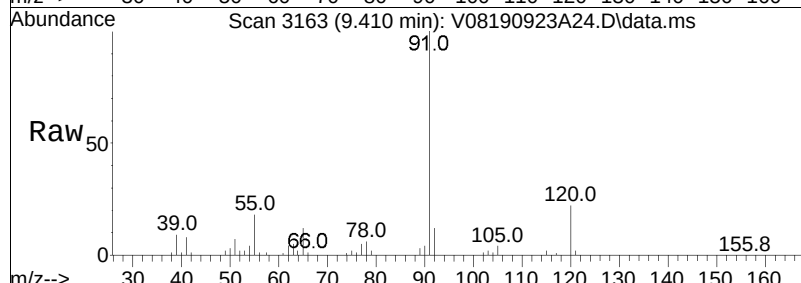
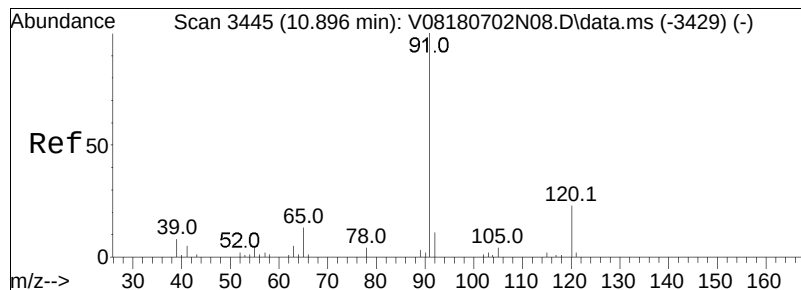




#84
 Bromobenzene
 Concen: 8.63 ug/L
 RT: 9.374 min Scan# 3150
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

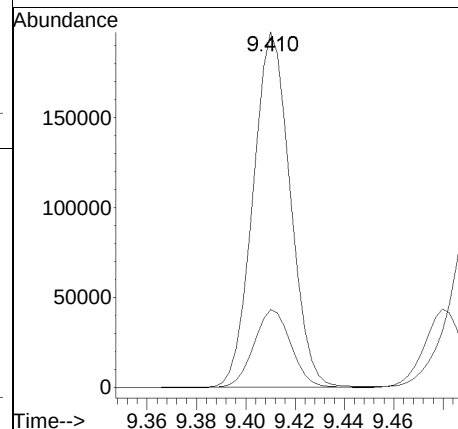
Tgt Ion	Ratio	Lower	Upper
156	100		
158	97.4	75.9	113.9

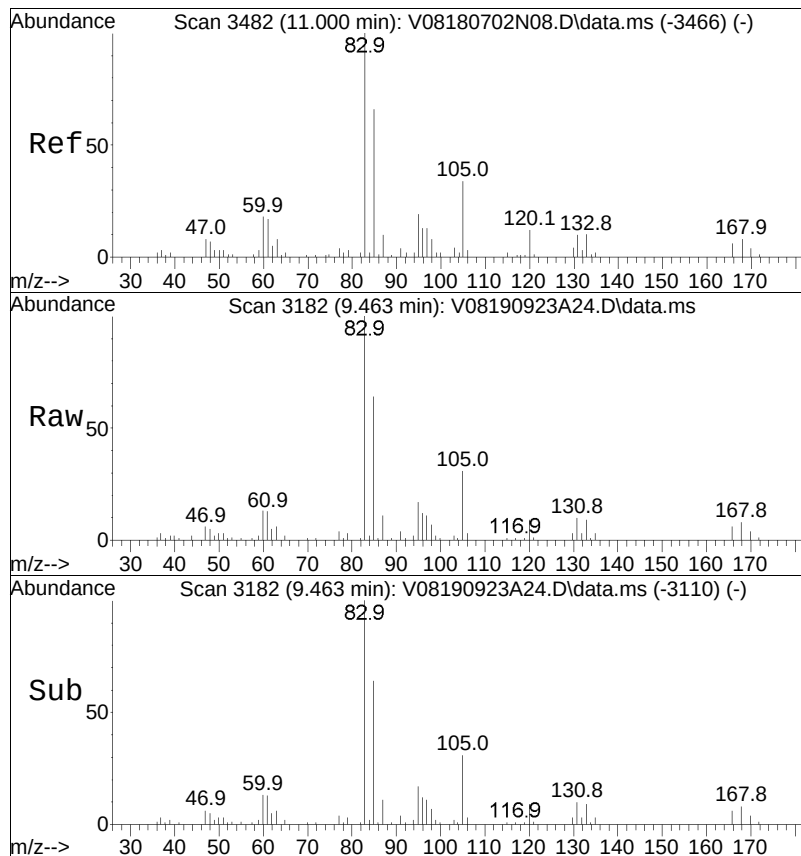




#85
 n-Propylbenzene
 Concen: 8.95 ug/L
 RT: 9.410 min Scan# 3163
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

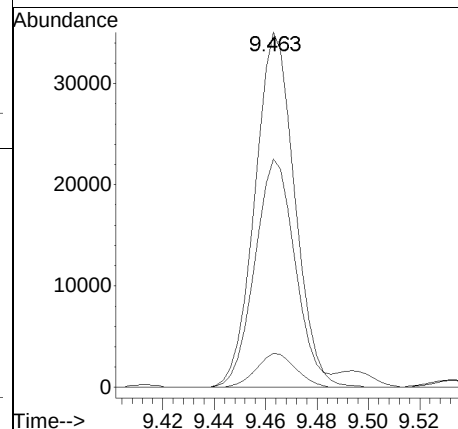
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	17.0	25.6

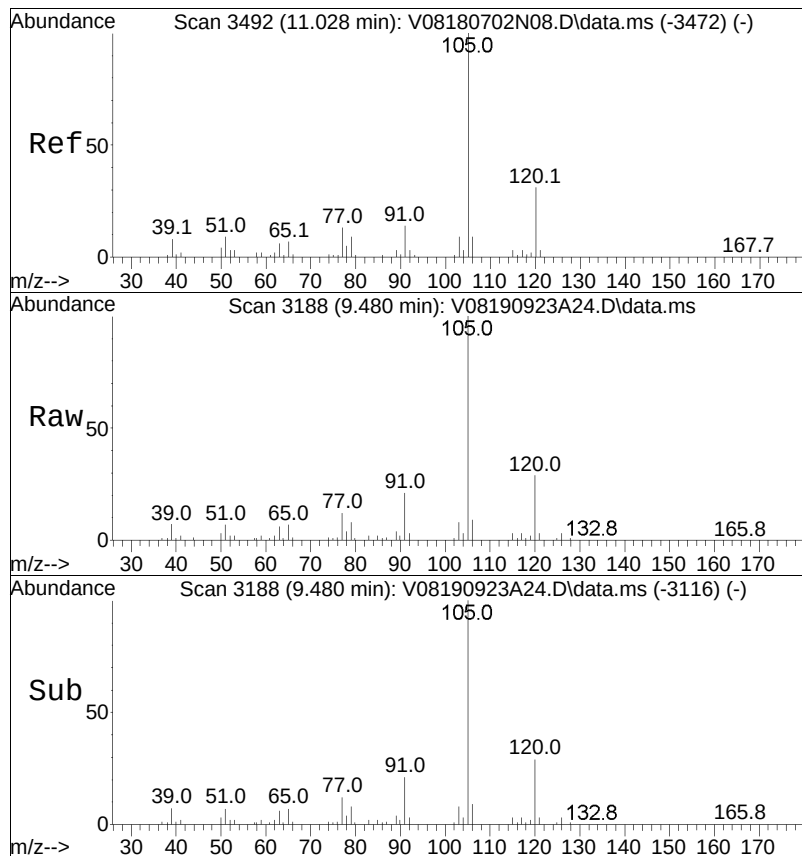




#87
 1,1,2,2-Tetrachloroethane
 Concen: 8.98 ug/L
 RT: 9.463 min Scan# 3182
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

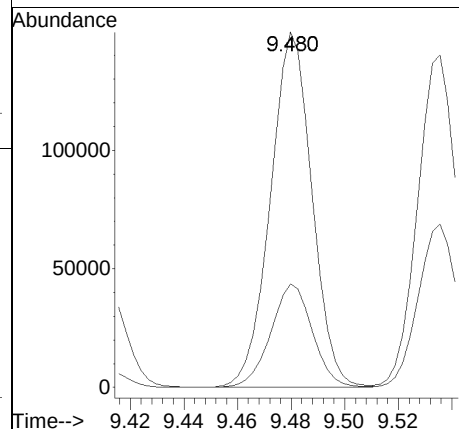
Tgt	Ion: 83	Resp:	37765
Ion	Ratio	Lower	Upper
83	100		
131	9.6	0.0	30.4
85	65.4	45.4	85.4

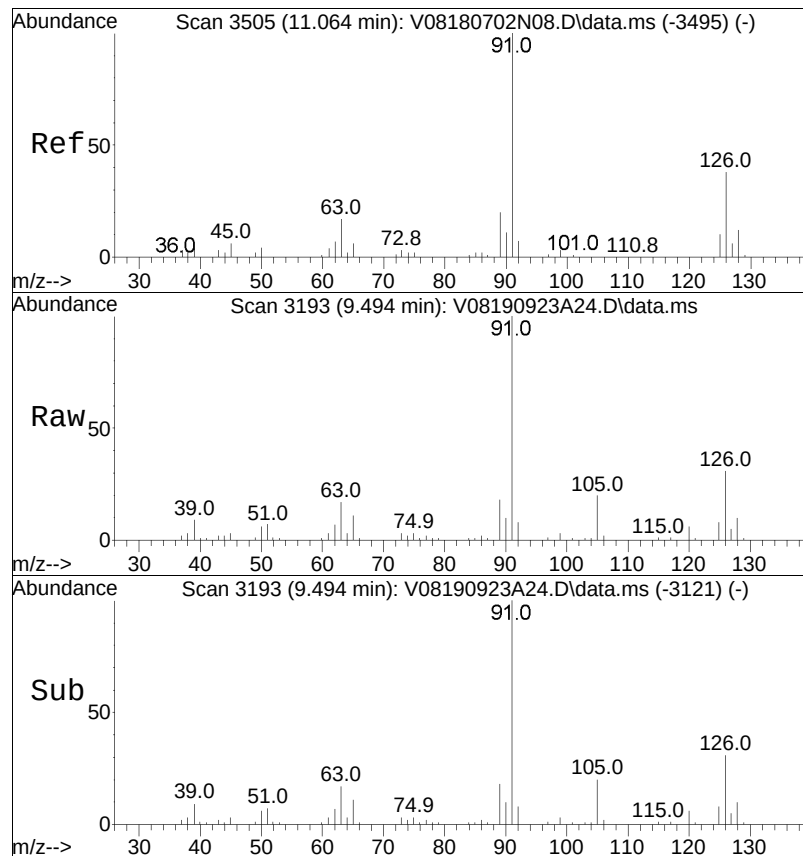




#88
 4-Ethyltoluene
 Concen: 8.82 ug/L
 RT: 9.480 min Scan# 3188
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

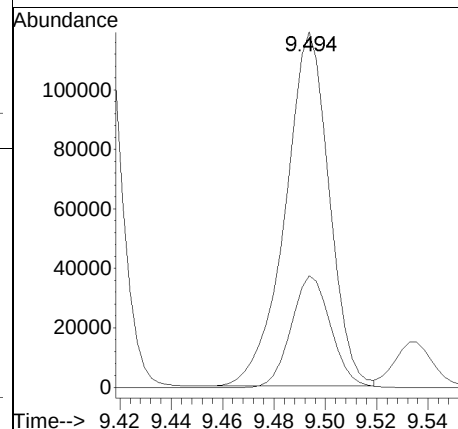
Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.1	18.1	37.7

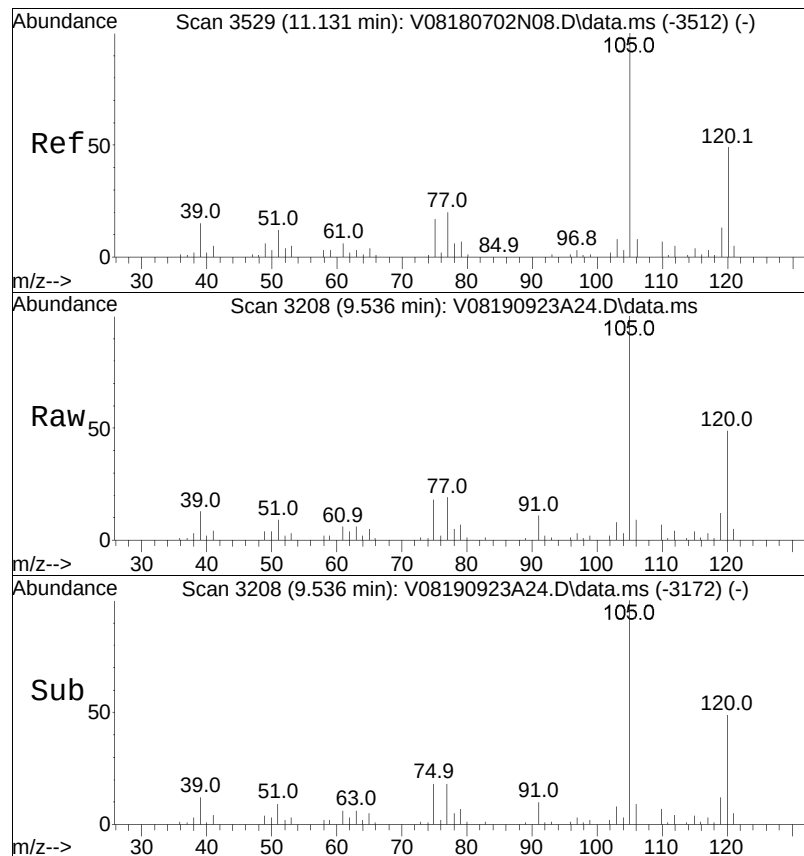




#89
 2-Chlorotoluene
 Concen: 8.99 ug/L
 RT: 9.494 min Scan# 3193
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

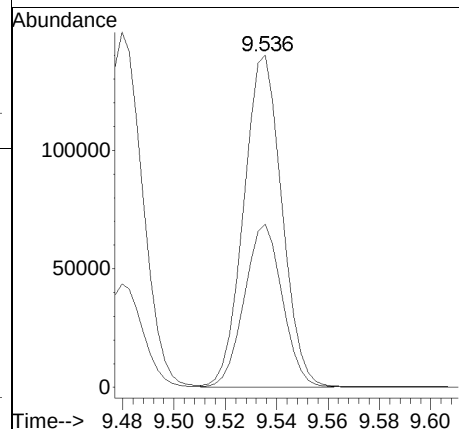
Tgt	Ion	Resp	Lower	Upper
91	100	141542		
126	28.3	21.5	32.3	

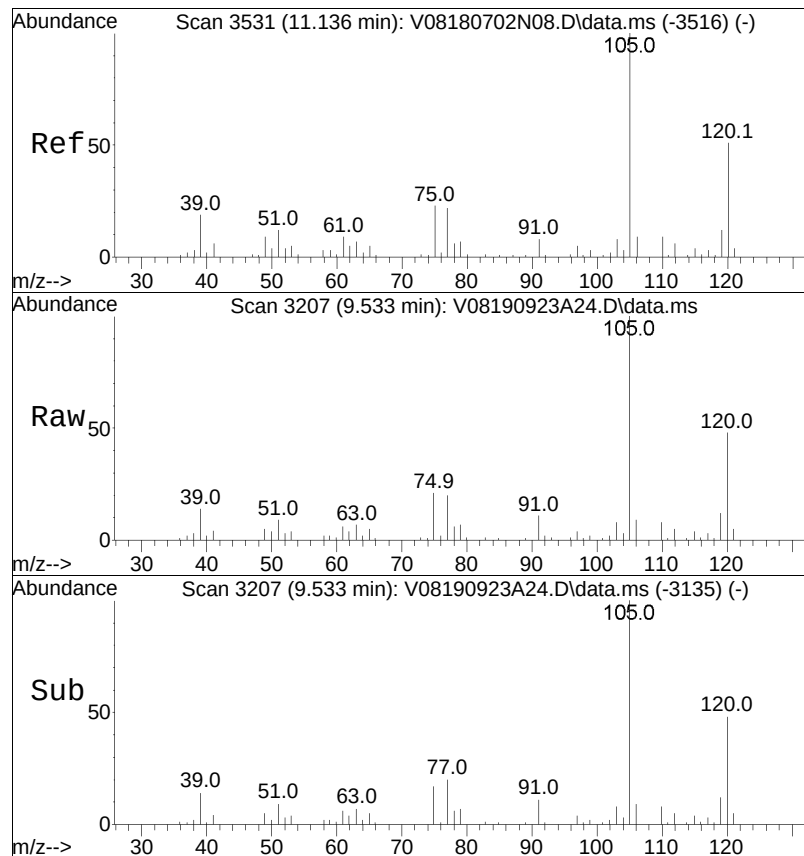




#90
 1,3,5-Trimethylbenzene
 Concen: 9.02 ug/L
 RT: 9.536 min Scan# 3208
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

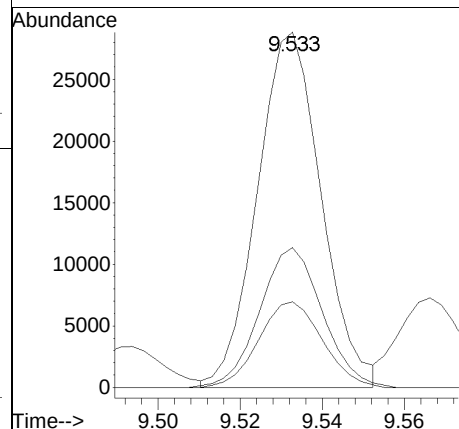
Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.2	34.8	52.2

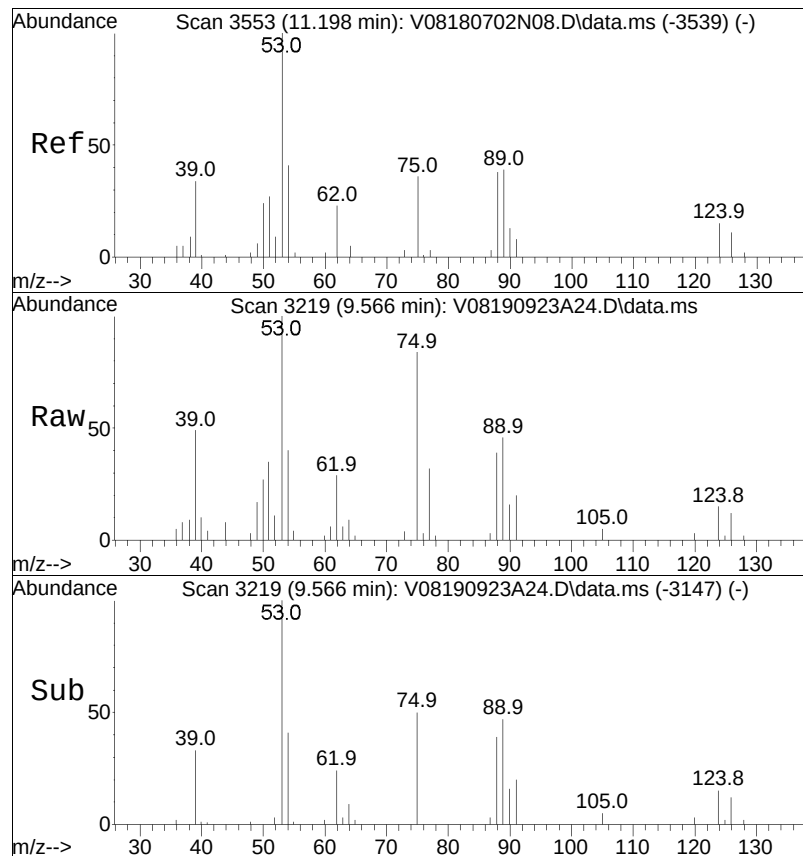




#91
 1,2,3-Trichloropropane
 Concen: 9.77 ug/L
 RT: 9.533 min Scan# 3207
 Delta R.T. -0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

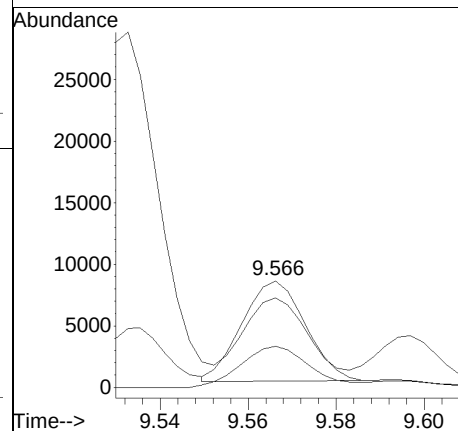
Tgt Ion:	75	Resp:	31114
Ion Ratio	Lower	Upper	
75	100		
110	38.7	25.4	52.8
112	24.1	15.6	32.4

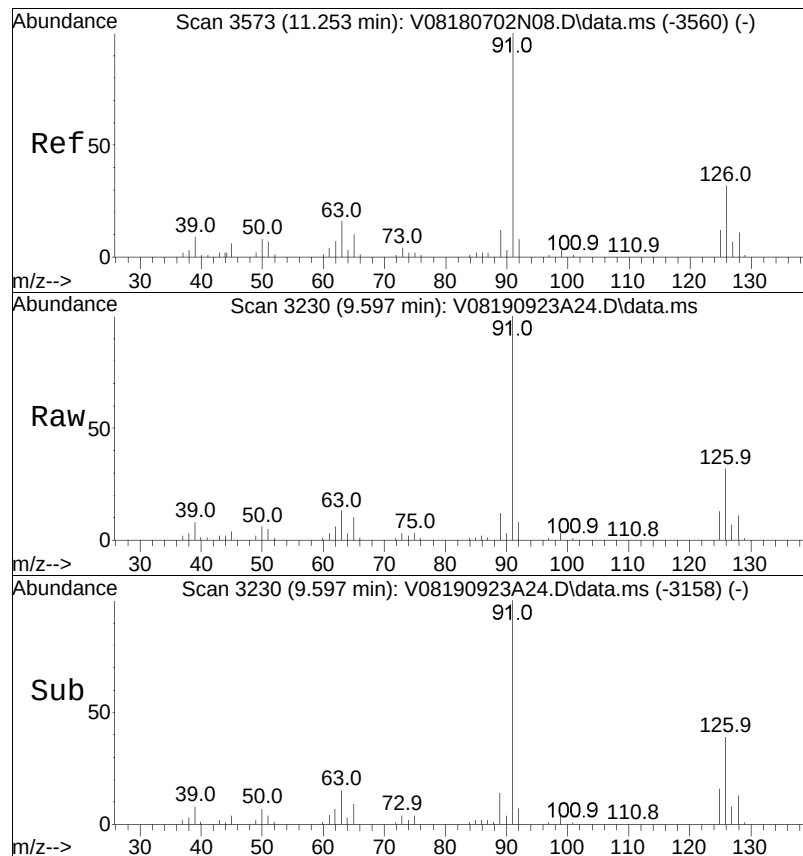




#92
 trans-1,4-Dichloro-2-butene
 Concen: 7.49 ug/L
 RT: 9.566 min Scan# 3219
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

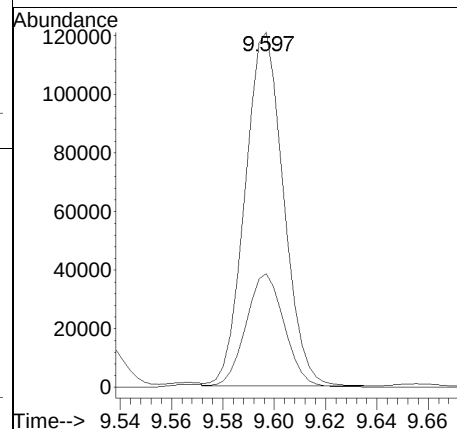
Tgt Ion	Ratio	Lower	Upper
53	100		
88	44.6	39.6	59.4
75	97.6	70.2	105.4

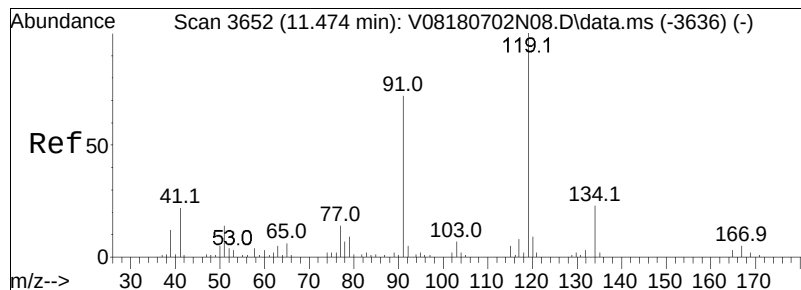




#93
 4-Chlorotoluene
 Concen: 8.82 ug/L
 RT: 9.597 min Scan# 3230
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	24.6	36.8





#94

tert-Butylbenzene

Concen: 8.33 ug/L

RT: 9.720 min Scan# 3274

Delta R.T. -0.003 min

Lab File: V08190923A24.D

Acq: 23 Sep 2019 15:54

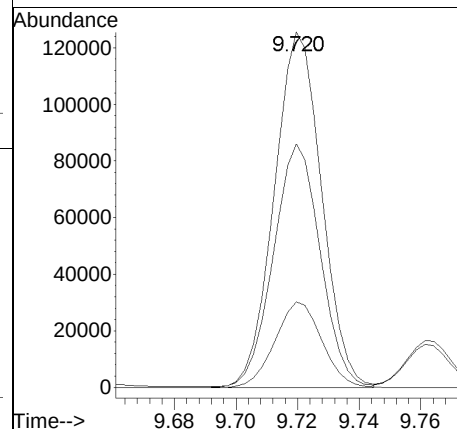
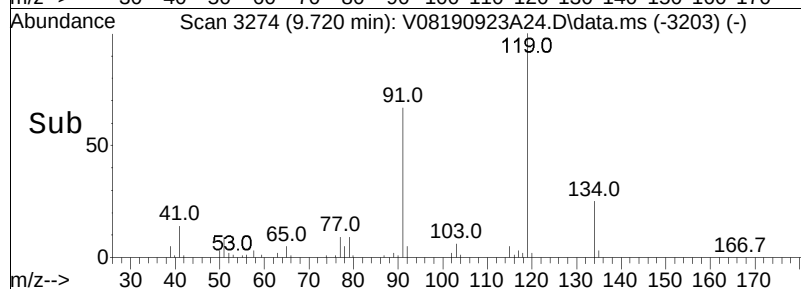
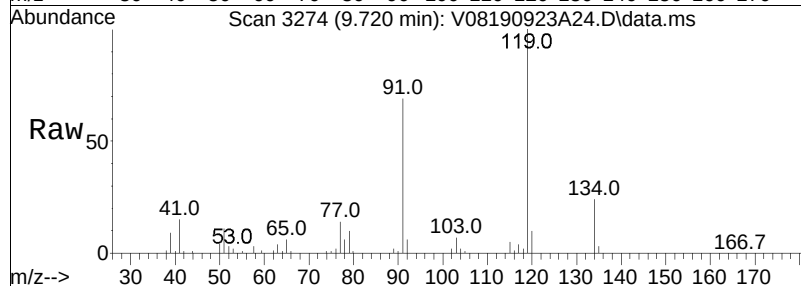
Tgt Ion: 119 Resp: 133922

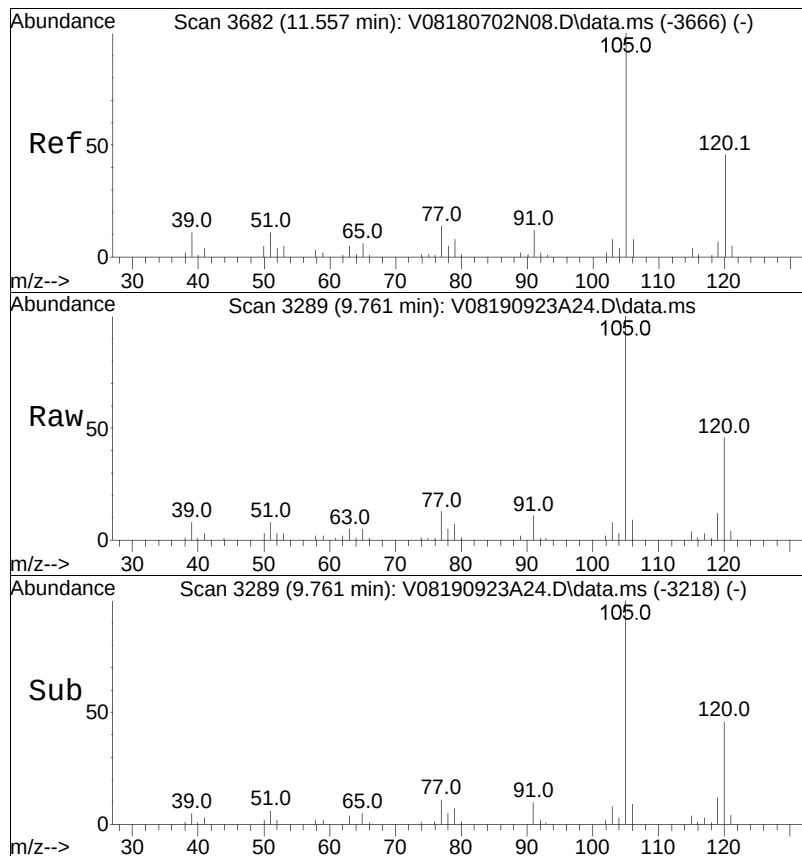
Ion Ratio Lower Upper

119 100

91 67.3 51.4 77.2

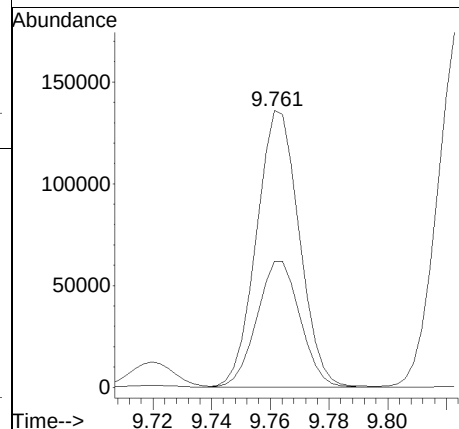
134 23.7 18.3 27.5

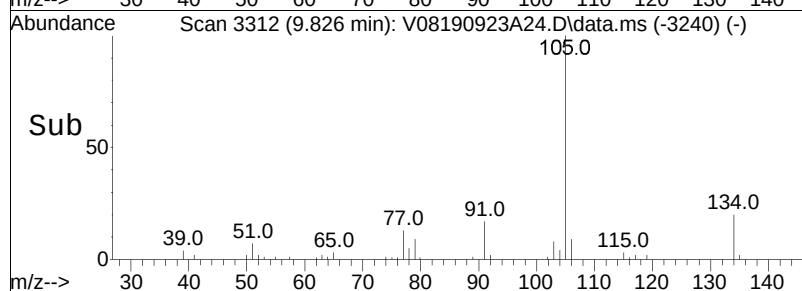
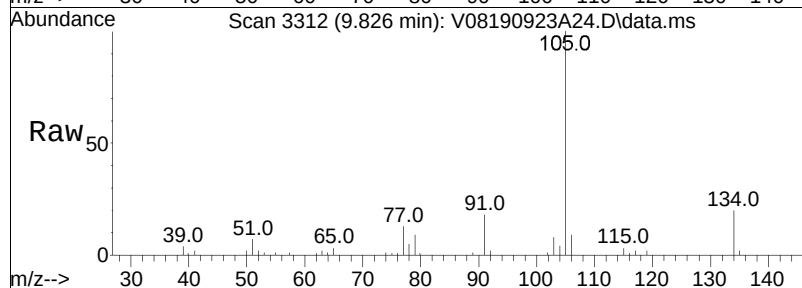
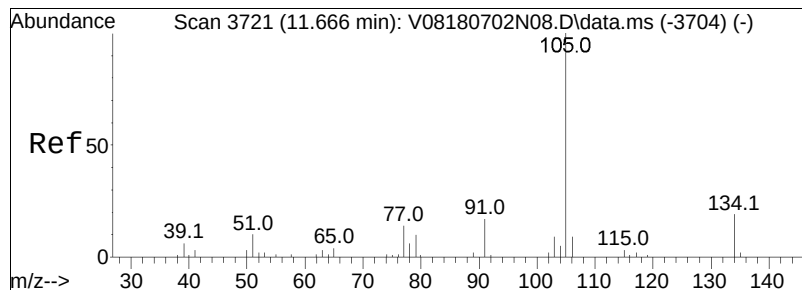




#97
 1,2,4-Trimethylbenzene
 Concen: 8.65 ug/L
 RT: 9.761 min Scan# 3289
 Delta R.T. -0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

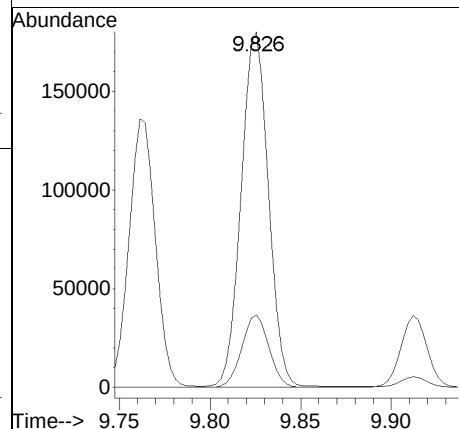
Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	33.4	50.0

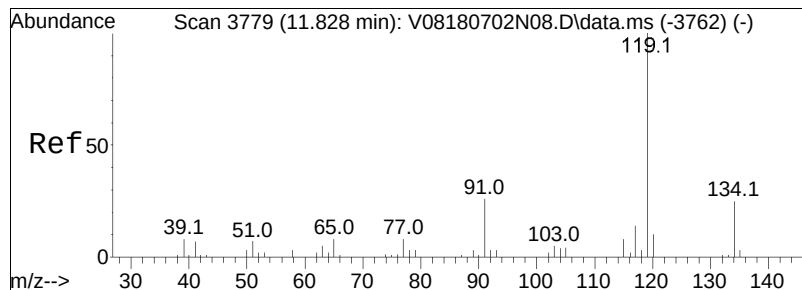




#98
 sec-Butylbenzene
 Concen: 9.96 ug/L
 RT: 9.826 min Scan# 3312
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.1	12.5	26.1





#99

p-Isopropyltoluene

Concen: 8.75 ug/L

RT: 9.912 min Scan# 3343

Delta R.T. 0.000 min

Lab File: V08190923A24.D

Acq: 23 Sep 2019 15:54

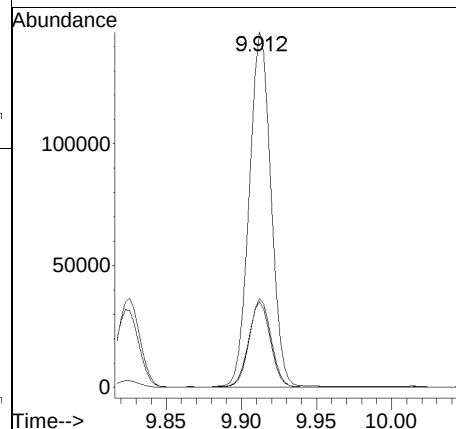
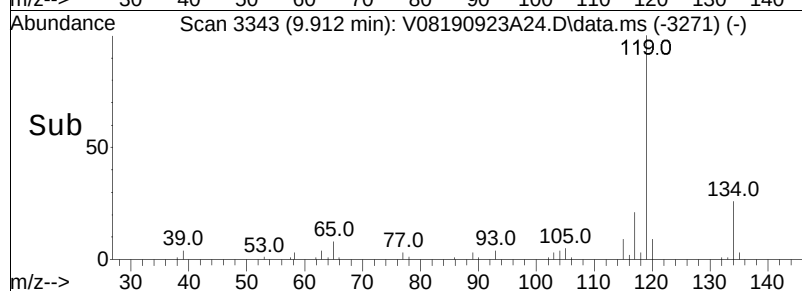
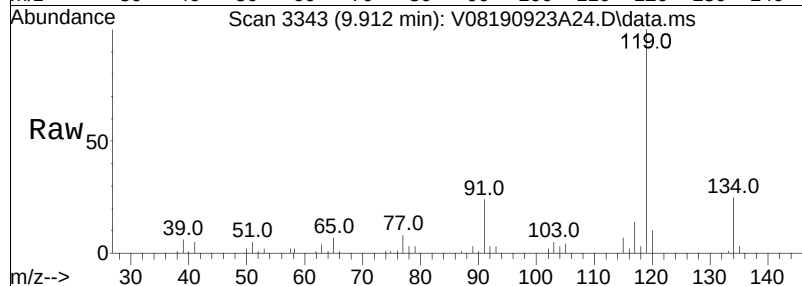
Tgt Ion:119 Resp: 148227

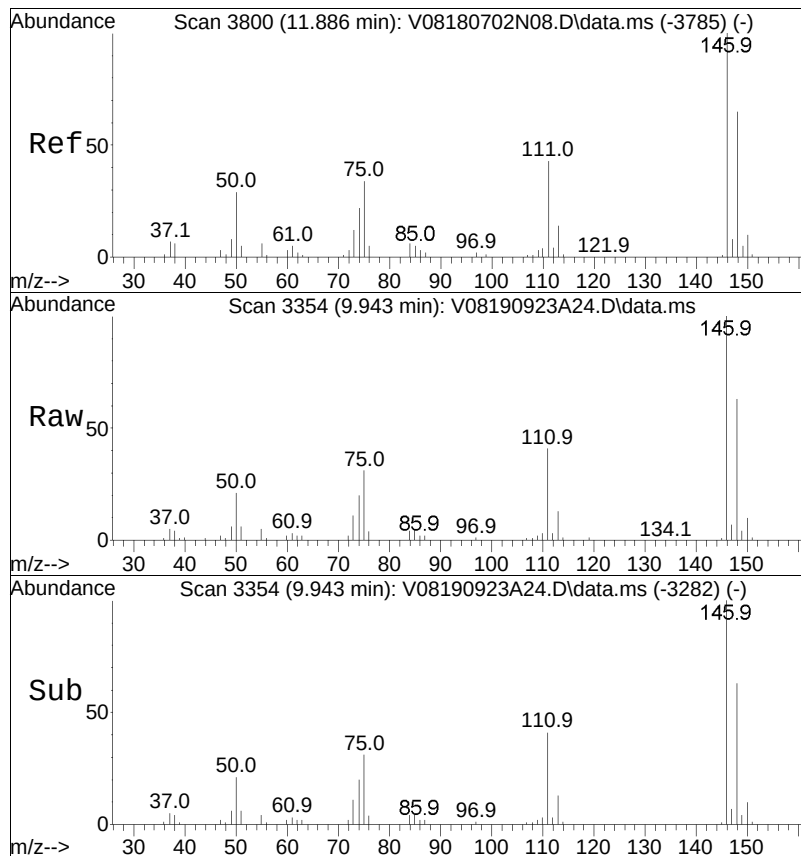
Ion Ratio Lower Upper

119 100

134 24.9 16.1 33.3

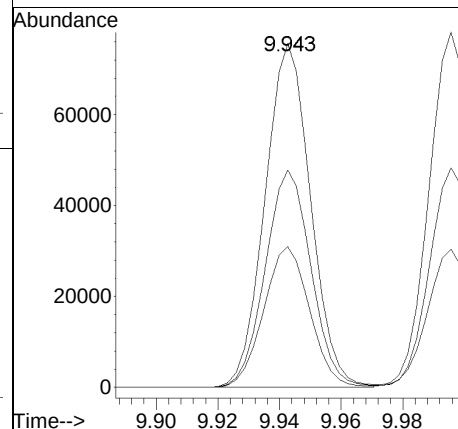
91 23.6 17.3 35.9

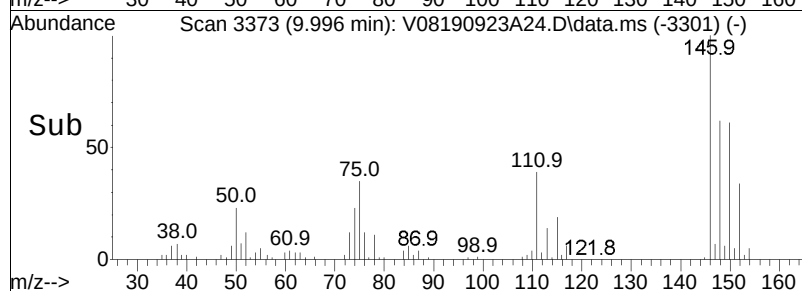
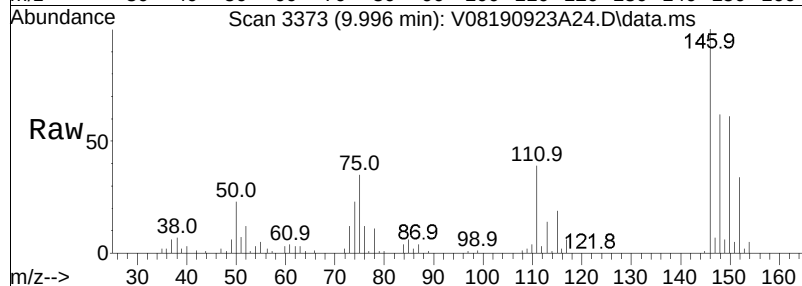
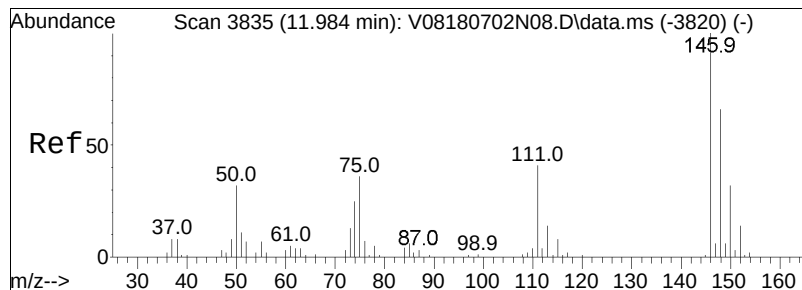




#100
 1,3-Dichlorobenzene
 Concen: 8.67 ug/L
 RT: 9.943 min Scan# 3354
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

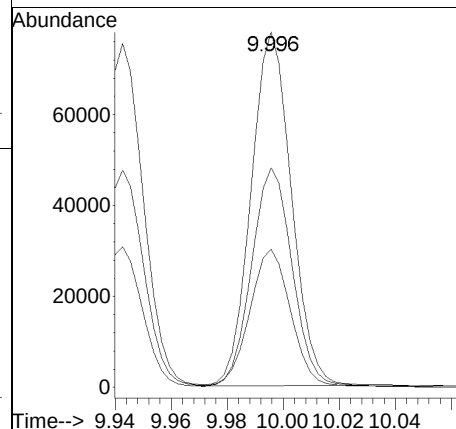
Tgt Ion:	146	Resp:	77784
Ion Ratio	Lower	Upper	
146	100		
111	41.3	27.5	57.1
148	63.7	41.9	86.9

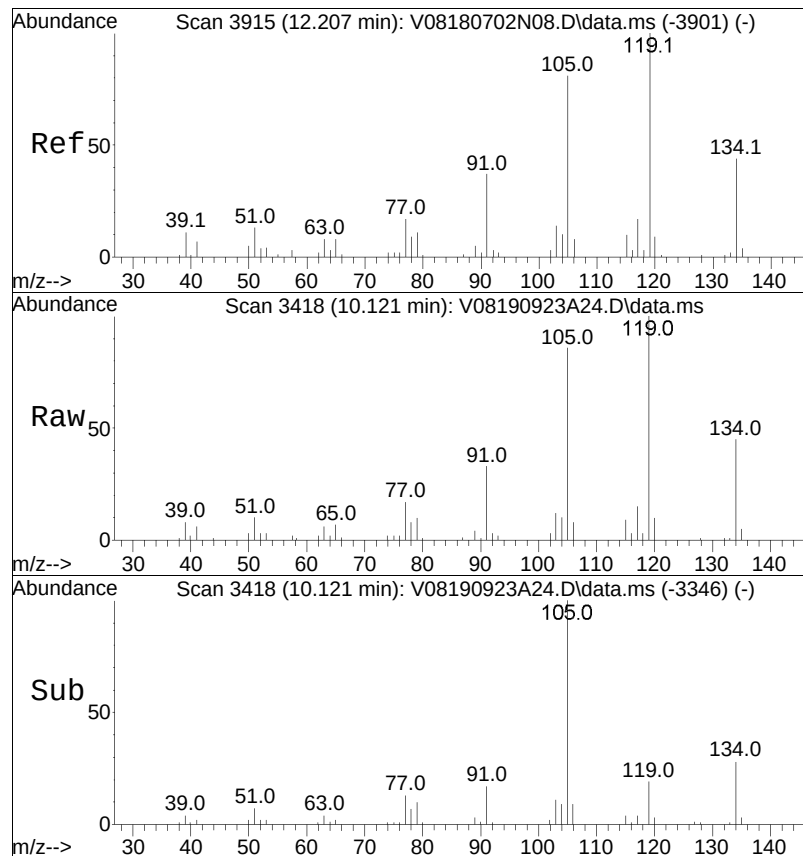




#101
 1,4-Dichlorobenzene
 Concen: 8.42 ug/L
 RT: 9.996 min Scan# 3373
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

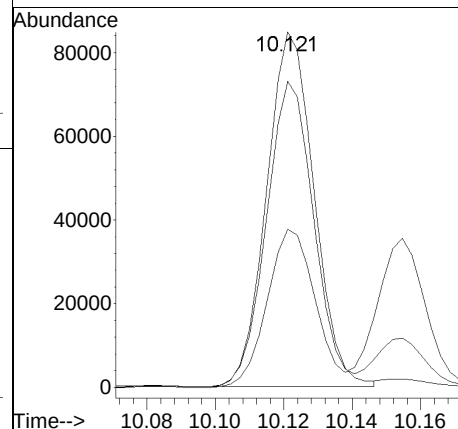
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	32.3	48.5
148	62.9	49.9	74.9

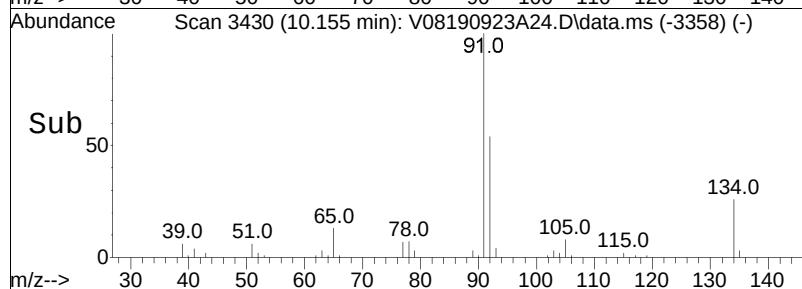
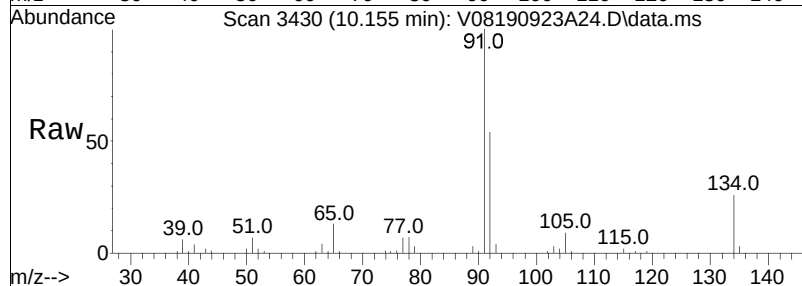
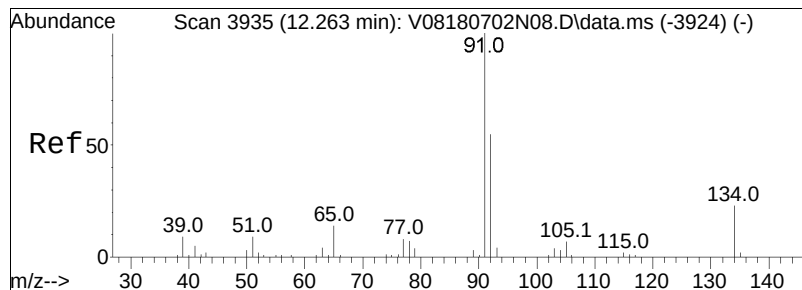




#102
 p-Diethylbenzene
 Concen: 8.45 ug/L
 RT: 10.121 min Scan# 3418
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

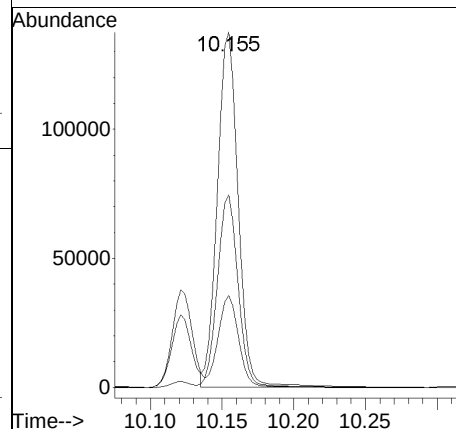
Tgt Ion:	119	Resp:	81739
Ion Ratio	Lower	Upper	
119	100		
105	85.8	59.5	123.7
134	45.0	30.2	62.6

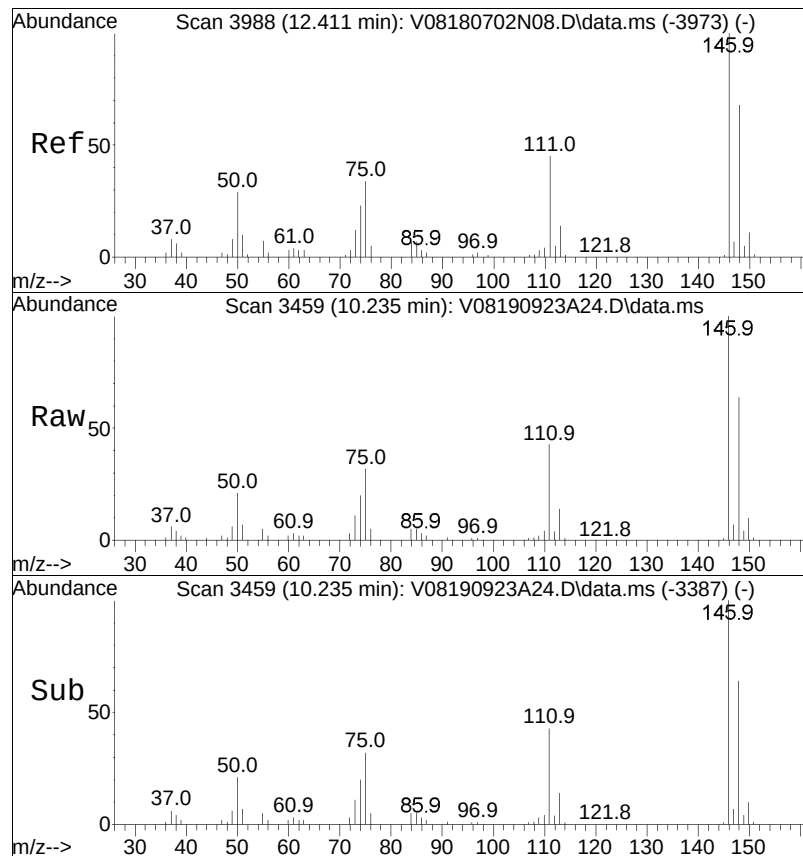




#103
 n-Butylbenzene
 Concen: 8.92 ug/L
 RT: 10.155 min Scan# 3430
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

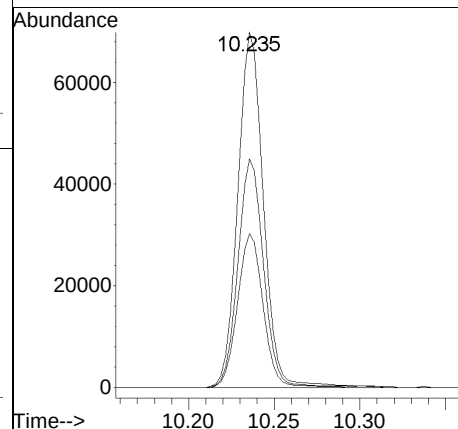
Tgt	Ion: 91	Resp:	138966
Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.0	64.4
134	25.0	19.6	29.4

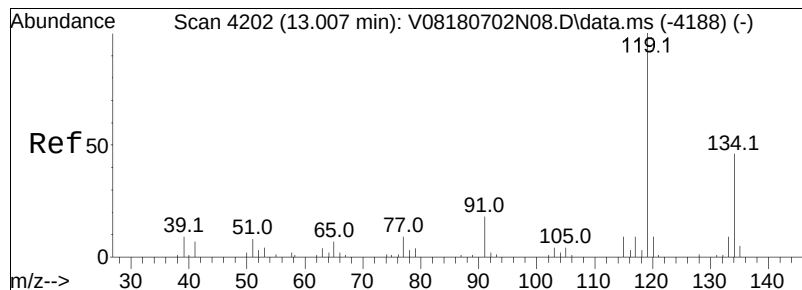




#104
 1,2-Dichlorobenzene
 Concen: 8.56 ug/L
 RT: 10.235 min Scan# 3459
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

Tgt Ion:	146	Resp:	72831
Ion Ratio	Lower	Upper	
146	100		
111	43.3	28.3	58.7
148	64.0	42.3	87.8





#105

1,2,4,5-Tetramethylbenzene

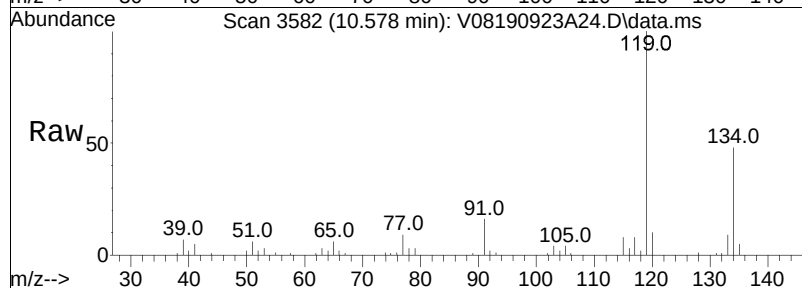
Concen: 8.25 ug/L

RT: 10.578 min Scan# 3582

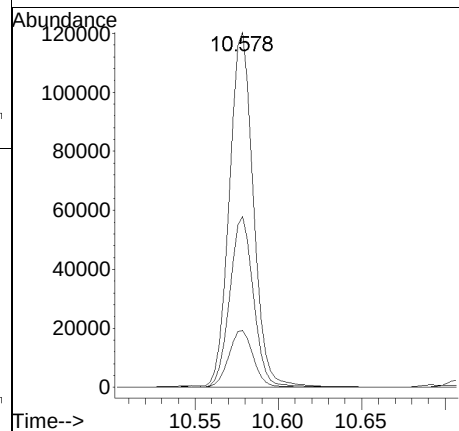
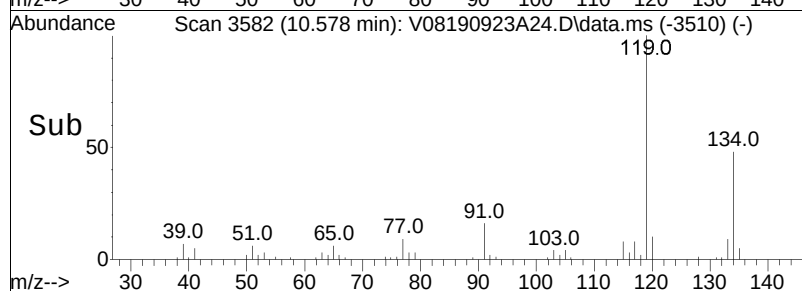
Delta R.T. 0.000 min

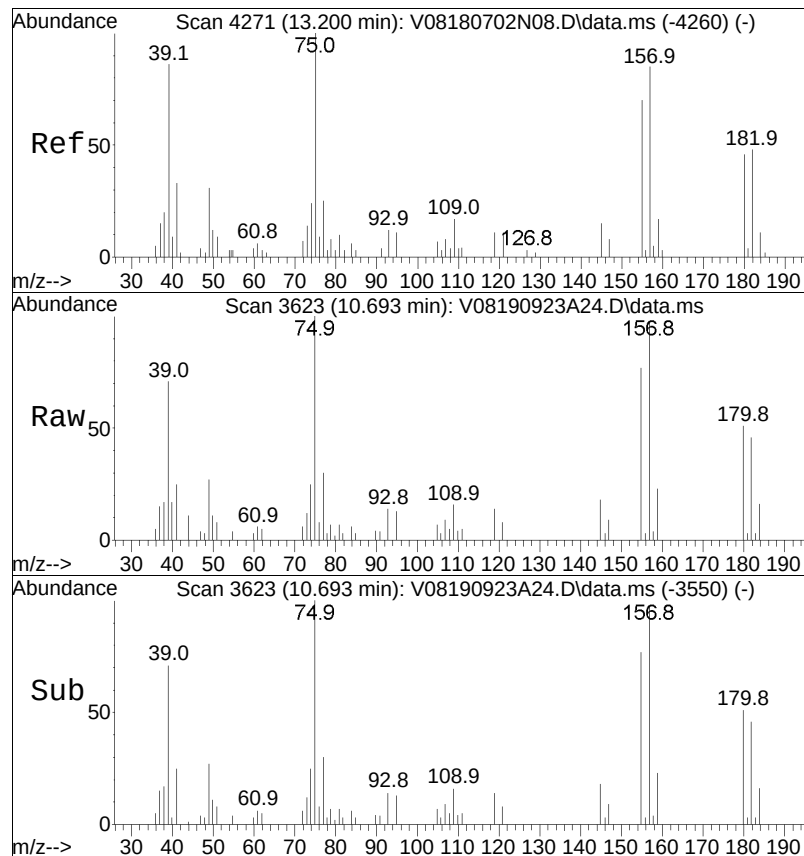
Lab File: V08190923A24.D

Acq: 23 Sep 2019 15:54



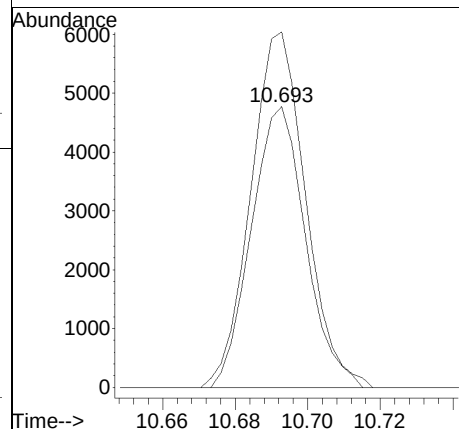
Tgt Ion:	119	Resp:	121087
Ion Ratio	Lower	Upper	
119	100		
134	47.5	30.5	63.3
91	16.4	12.4	25.7

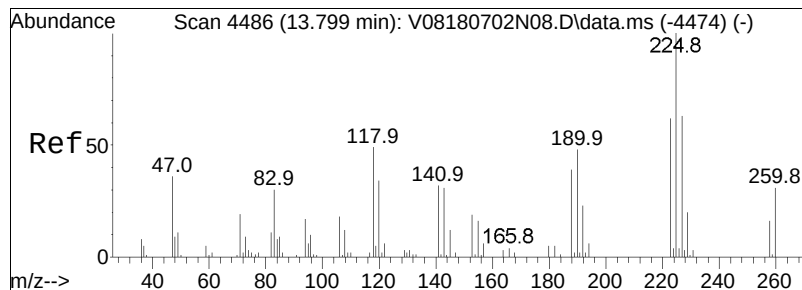




#106
 1,2-Dibromo-3-chloropropane
 Concen: 8.25 ug/L
 RT: 10.693 min Scan# 3623
 Delta R.T. 0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

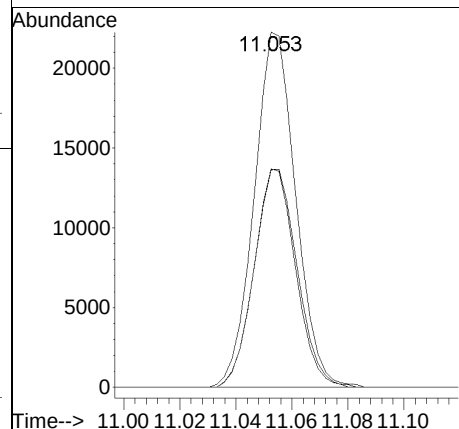
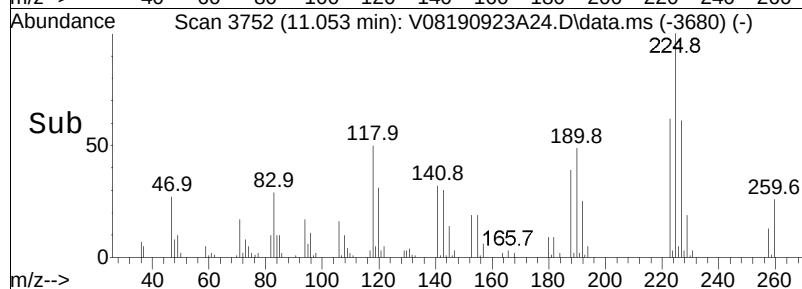
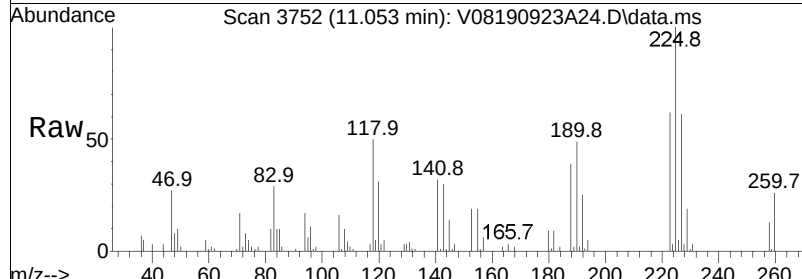
Tgt Ion	Ratio	Lower	Upper
155	100		
157	128.0	94.8	142.2

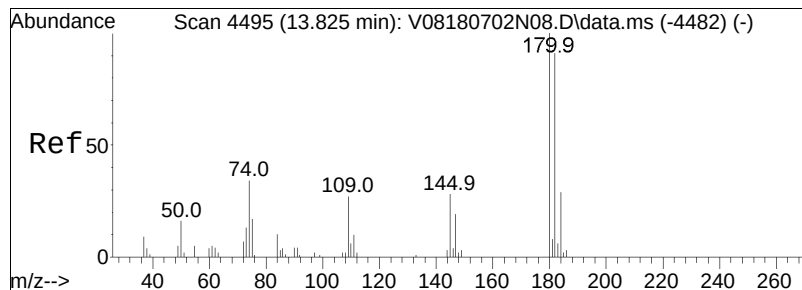




#108
 Hexachlorobutadiene
 Concen: 8.27 ug/L
 RT: 11.053 min Scan# 3752
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	54.3	81.5
227	63.2	52.4	78.6





#109

1,2,4-Trichlorobenzene

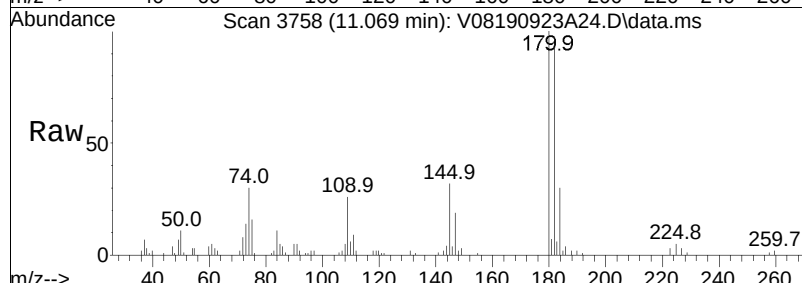
Concen: 7.87 ug/L

RT: 11.069 min Scan# 3758

Delta R.T. 0.003 min

Lab File: V08190923A24.D

Acq: 23 Sep 2019 15:54



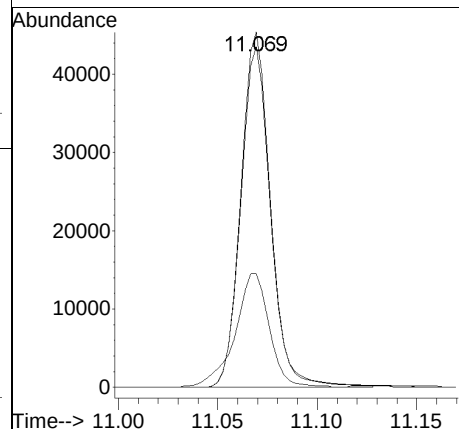
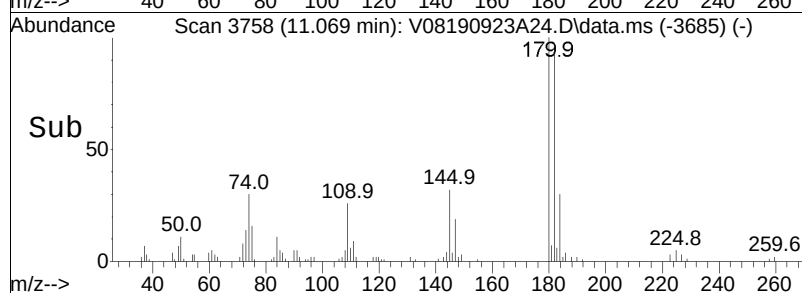
Tgt Ion:180 Resp: 47278

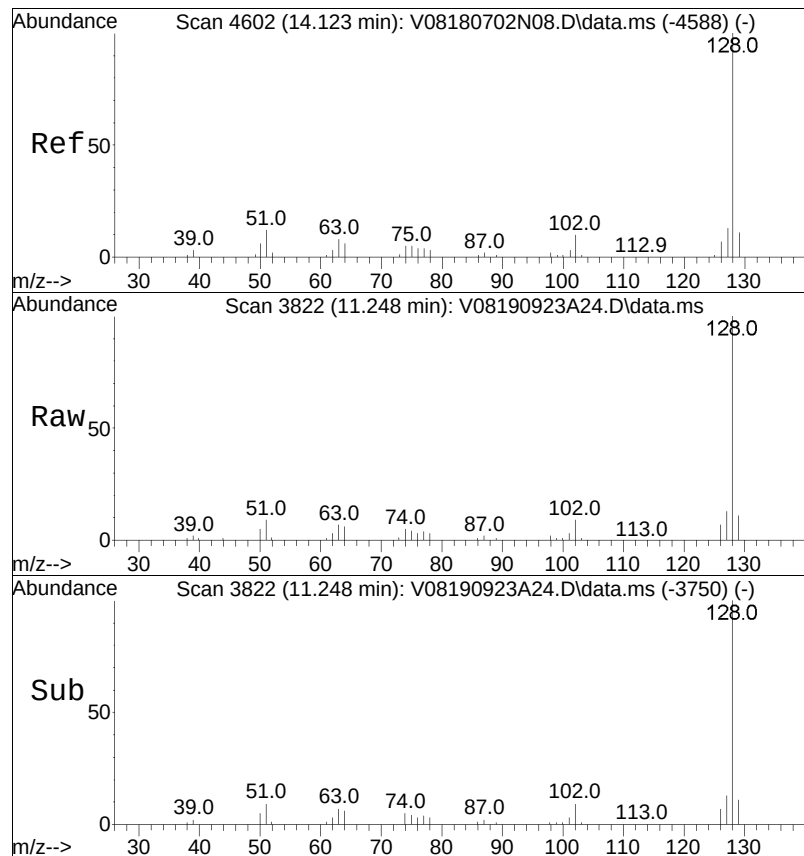
Ion Ratio Lower Upper

180 100

182 96.1 77.3 115.9

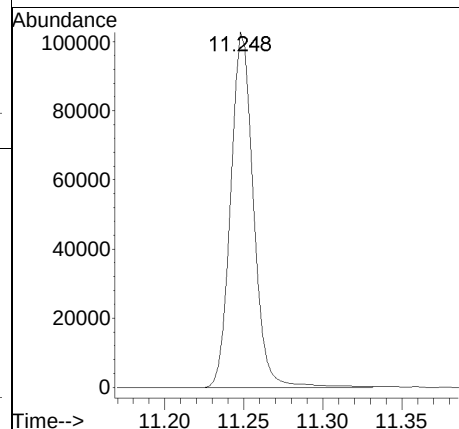
145 37.2 28.1 42.1

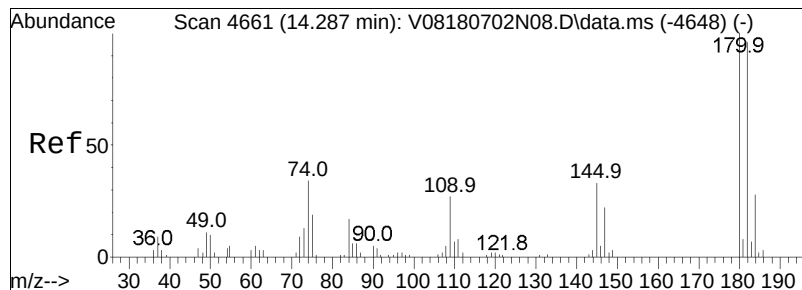




#110
 Naphthalene
 Concen: 8.01 ug/L
 RT: 11.248 min Scan# 3822
 Delta R.T. 0.000 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

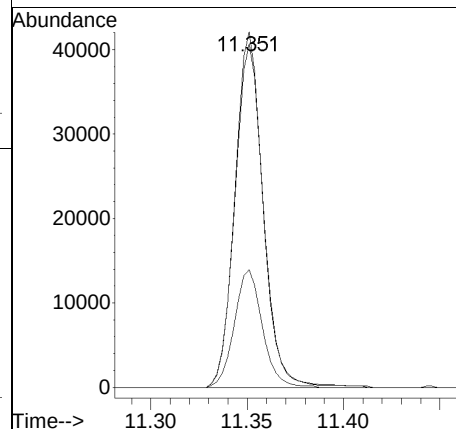
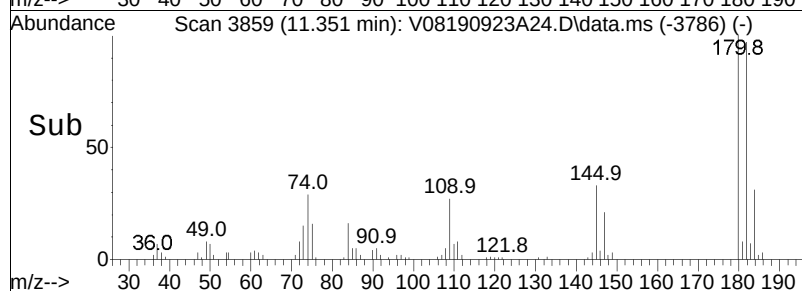
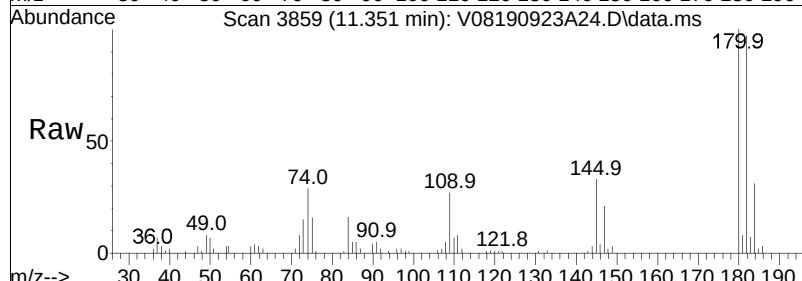
Tgt Ion:128 Resp: 103161





#111
 1,2,3-Trichlorobenzene
 Concen: 7.85 ug/L
 RT: 11.351 min Scan# 3859
 Delta R.T. 0.003 min
 Lab File: V08190923A24.D
 Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.4	114.6
145	32.9	26.4	39.6



Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A24.D Operator : VOA108:PK
Date Inj'd : 9/23/2019 15:54 Instrument : VOA 108
Sample : WG1287429-6,31,2.5,10,,a1 Quant Date : 9/23/2019 4:43 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A25.D
 Acq On : 23 Sep 2019 16:16
 Operator : VOA108:PK
 Sample : WG1287429-7,31,2.5,10,,a1
 Misc : WG1287429,ICAL16150
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 23 16:43:20 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190923A\V08190923A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.512	96	168111	10.000	ug/L	0.00
Standard Area 1 = 177933			Recovery	=	94.48%	
59) Chlorobenzene-d5	8.501	117	119752	10.000	ug/L	0.00
Standard Area 1 = 123701			Recovery	=	96.81%	
79) 1,4-Dichlorobenzene-d4	9.987	152	60010	10.000	ug/L	0.00
Standard Area 1 = 59279			Recovery	=	101.23%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.527	113	41985	9.884	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.84%	
43) 1,2-Dichloroethane-d4	5.166	65	51793	9.763	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.63%	
60) Toluene-d8	7.207	98	162327	10.166	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.66%	
83) 4-Bromofluorobenzene	9.318	95	59444	9.893	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.93%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.963	85	38152	9.358	ug/L	98
3) Chloromethane	1.083	50	48769	10.260	ug/L	100
4) Vinyl chloride	1.136	62	52984	10.689	ug/L	96
5) Bromomethane	1.343	94	29784	8.384	ug/L	97
6) Chloroethane	1.424	64	31163	9.679	ug/L	97
7) Trichlorofluoromethane	1.521	101	59521	8.732	ug/L	99
8) Ethyl ether	1.761	74	20402	10.120	ug/L	78
10) 1,1-Dichloroethene	1.892	96	36413	10.265	ug/L	# 74
11) Carbon disulfide	1.898	76	114208	10.188	ug/L	98
15) Methylene chloride	2.377	84	42494	10.088	ug/L	80
17) Acetone	2.433	43	10456	12.018	ug/L	97
18) trans-1,2-Dichloroethene	2.528	96	52654	13.645	ug/L	87
20) Methyl tert-butyl ether	2.653	73	97546	9.211	ug/L	95
23) 1,1-Dichloroethane	3.166	63	77895	9.741	ug/L	99
25) Acrylonitrile	3.231	53	12441	11.605	ug/L	93
27) Vinyl acetate	3.535	43	89007	10.468	ug/L	97
28) cis-1,2-Dichloroethene	3.858	96	720693	164.550	ug/L	# 80
29) 2,2-Dichloropropane	3.997	77	43047	7.159	ug/L	87
30) Bromochloromethane	4.128	128	20075	10.085	ug/L	# 69
32) Chloroform	4.290	83	73108	9.353	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A25.D
 Acq On : 23 Sep 2019 16:16
 Operator : VOA108:PK
 Sample : WG1287429-7,31,2.5,10,,a1
 Misc : WG1287429,ICAL16150
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 23 16:43:20 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190923A\V08190923A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
34)	Carbon tetrachloride	4.410	117	52237	9.502	ug/L		98
37)	1,1,1-Trichloroethane	4.505	97	65472	9.482	ug/L	#	94
39)	2-Butanone	4.711	43	16881	12.950	ug/L	#	91
40)	1,1-Dichloropropene	4.681	75	53234	9.651	ug/L		96
41)	Benzene	4.990	78	164907	9.621	ug/L		93
44)	1,2-Dichloroethane	5.247	62	58702	9.196	ug/L		97
48)	Trichloroethene	5.707	95	70676	15.289	ug/L		97
50)	Dibromomethane	6.153	93	25298	9.743	ug/L		97
51)	1,2-Dichloropropane	6.262	63	47670	10.460	ug/L		95
54)	Bromodichloromethane	6.373	83	59963	9.469	ug/L		98
57)	1,4-Dioxane	6.591	88	13688	612.458	ug/L	#	86
58)	cis-1,3-Dichloropropene	7.029	75	65658	9.186	ug/L		99
61)	Toluene	7.255	92	103778	9.830	ug/L		97
62)	4-Methyl-2-pentanone	7.659	58	12796	9.757	ug/L	#	90
63)	Tetrachloroethene	7.612	166	86878	19.497	ug/L		91
65)	trans-1,3-Dichloropropene	7.678	75	54541	8.974	ug/L		99
68)	1,1,2-Trichloroethane	7.807	83	43935	14.847	ug/L	#	72
69)	Chlorodibromomethane	7.943	129	40624	9.437	ug/L		98
70)	1,3-Dichloropropane	8.019	76	61465	10.043	ug/L		99
71)	1,2-Dibromoethane	8.102	107	34041	9.862	ug/L		100
72)	2-Hexanone	8.339	43	21886	9.769	ug/L		98
73)	Chlorobenzene	8.512	112	111696	9.588	ug/L		92
74)	Ethylbenzene	8.551	91	193572	9.590	ug/L		99
75)	1,1,1,2-Tetrachloroethane	8.571	131	39087	9.184	ug/L		94
76)	p/m Xylene	8.660	106	146745	19.160	ug/L		97
77)	o Xylene	8.942	106	143312	19.470	ug/L		93
78)	Styrene	8.981	104	237972	19.475	ug/L		91
80)	Bromoform	8.983	173	23563	8.670	ug/L		97
82)	Isopropylbenzene	9.154	105	188285	9.291	ug/L		96
84)	Bromobenzene	9.374	156	44588	9.051	ug/L		97
85)	n-Propylbenzene	9.410	91	218420	9.323	ug/L		98
87)	1,1,2,2-Tetrachloroethane	9.463	83	41090	9.612	ug/L		99
88)	4-Ethyltoluene	9.480	105	170471	9.152	ug/L		97
89)	2-Chlorotoluene	9.494	91	148496	9.283	ug/L		98
90)	1,3,5-Trimethylbenzene	9.536	105	154326	9.466	ug/L		92
91)	1,2,3-Trichloropropane	9.533	75	33399	10.340	ug/L		99
92)	trans-1,4-Dichloro-2-b...	9.566	53	11034	9.984	ug/L	#	88
93)	4-Chlorotoluene	9.597	91	135398	9.374	ug/L		98
94)	tert-Butylbenzene	9.720	119	138027	8.447	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A25.D
 Acq On : 23 Sep 2019 16:16
 Operator : VOA108:PK
 Sample : WG1287429-7,31,2.5,10,,a1
 Misc : WG1287429,ICAL16150
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 23 16:43:20 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2019\190923A\V08190923A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	9.762	105	148070	9.149	ug/L	94
98)	sec-Butylbenzene	9.826	105	194461	10.085	ug/L	98
99)	p-Isopropyltoluene	9.912	119	157812	9.171	ug/L	96
100)	1,3-Dichlorobenzene	9.943	146	83459	9.157	ug/L	97
101)	1,4-Dichlorobenzene	9.996	146	85032	9.070	ug/L	99
102)	p-Diethylbenzene	10.121	119	87164	8.866	ug/L	96
103)	n-Butylbenzene	10.155	91	147494	9.320	ug/L	99
104)	1,2-Dichlorobenzene	10.236	146	79306	9.167	ug/L	98
105)	1,2,4,5-Tetramethylben...	10.579	119	130987	8.777	ug/L	97
106)	1,2-Dibromo-3-chloropr...	10.693	155	5211	8.550	ug/L	83
108)	Hexachlorobutadiene	11.055	225	23987	8.490	ug/L	96
109)	1,2,4-Trichlorobenzene	11.067	180	51253	8.393	ug/L	97
110)	Naphthalene	11.248	128	114243	8.732	ug/L	100
111)	1,2,3-Trichlorobenzene	11.351	180	48140	8.673	ug/L	99

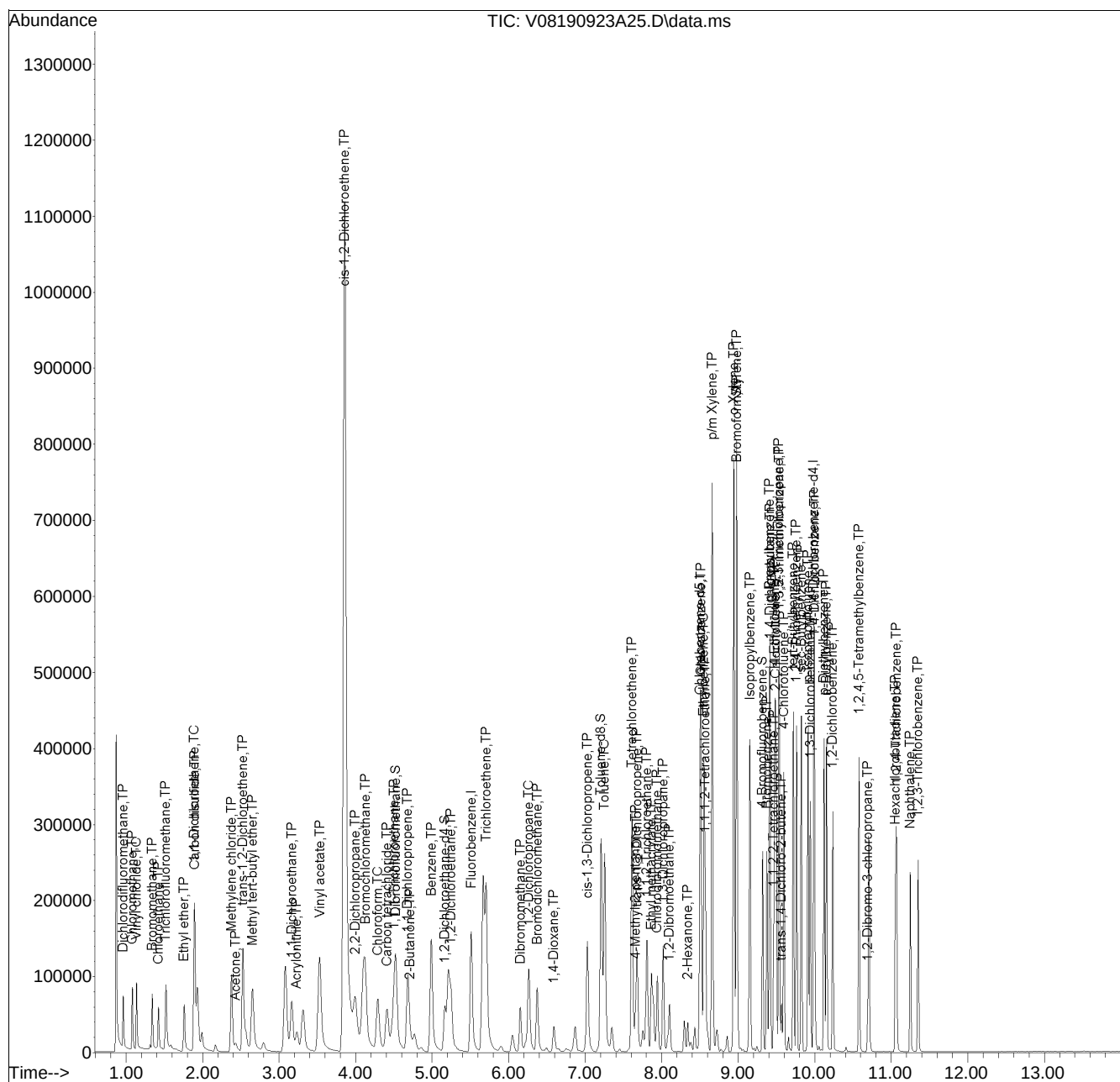
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

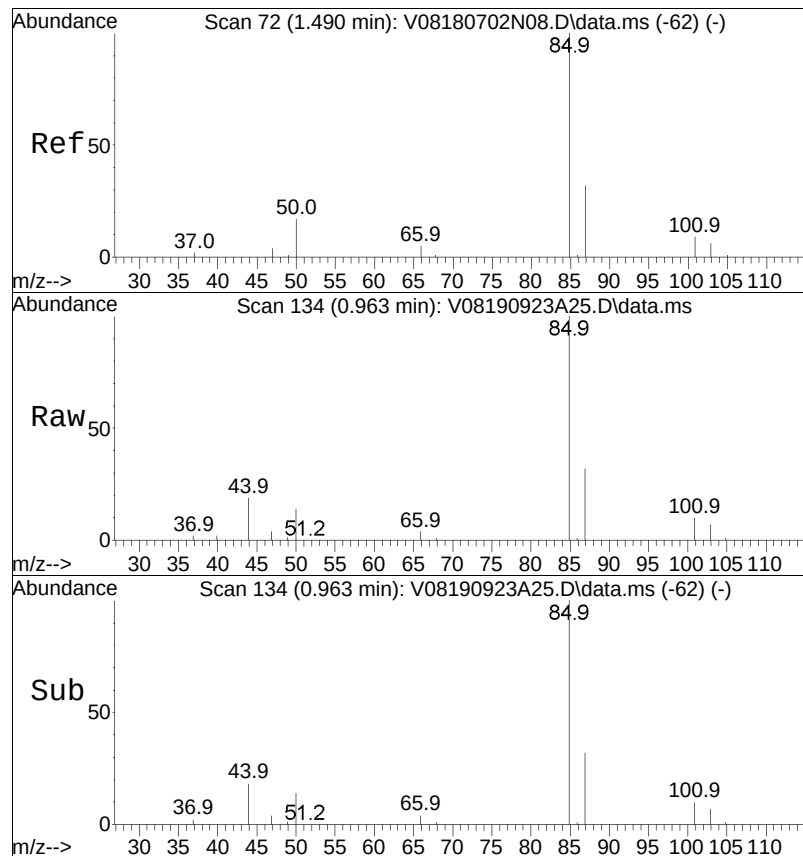
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2019\190923A\
 Data File : V08190923A25.D
 Acq On : 23 Sep 2019 16:16
 Operator : VOA108:PK
 Sample : WG1287429-7, 31, 2.5, 10,, a1
 Misc : WG1287429, ICAL16150
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 23 16:43:20 2019
 Quant Method : I:\VOLATILES\VOA108\2019\190923A\V108_190819_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Sep 20 10:28:56 2019
 Response via : Initial Calibration

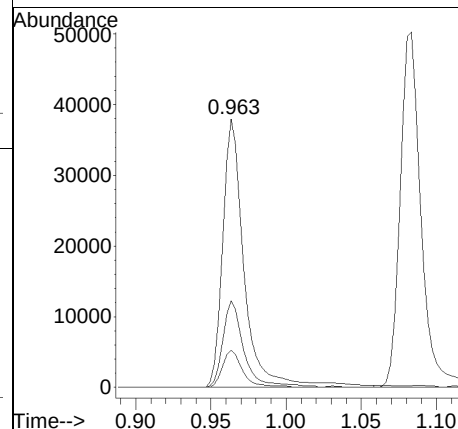
Sub List : 8260-NYTCL - Megamix plus Diox90923A\V08190923A02.D•

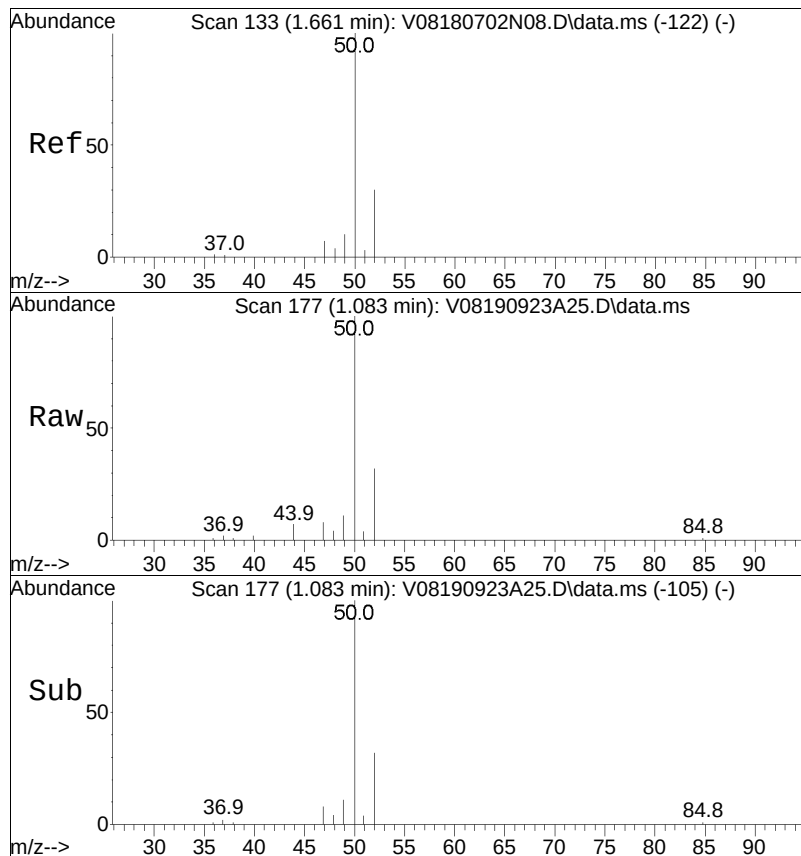




#2
 Dichlorodifluoromethane
 Concen: 9.36 ug/L
 RT: 0.963 min Scan# 134
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

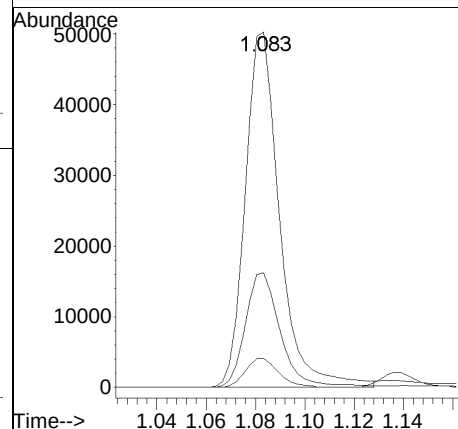
Tgt Ion:	85	Resp:	38152
Ion Ratio	Lower	Upper	
85	100		
87	31.4	21.0	43.6
50	13.0	8.9	18.5

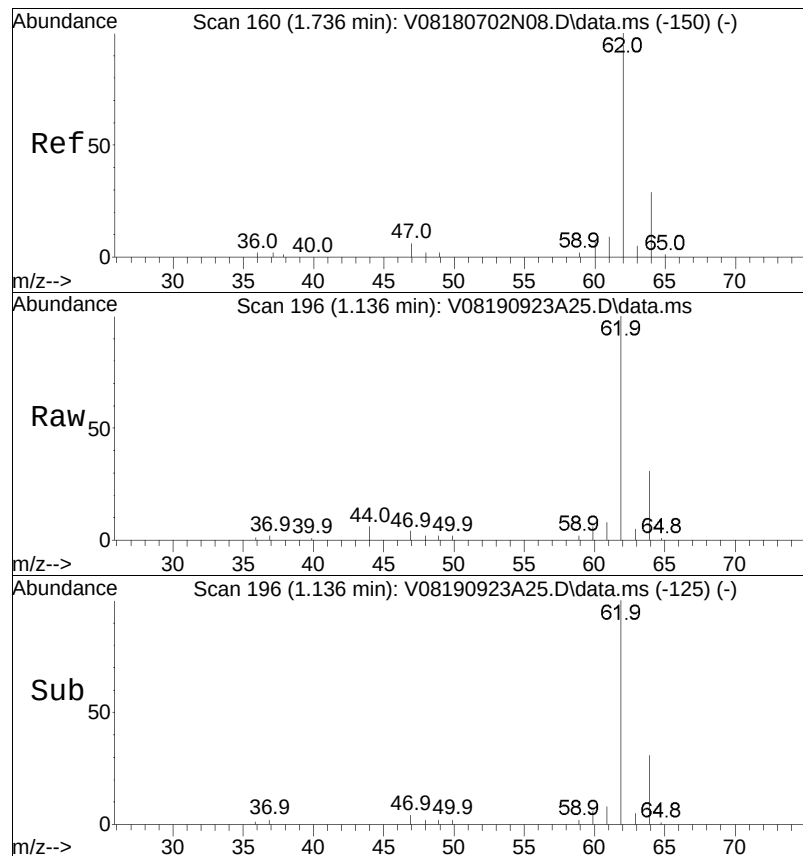




#3
 Chloromethane
 Concen: 10.26 ug/L
 RT: 1.083 min Scan# 177
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

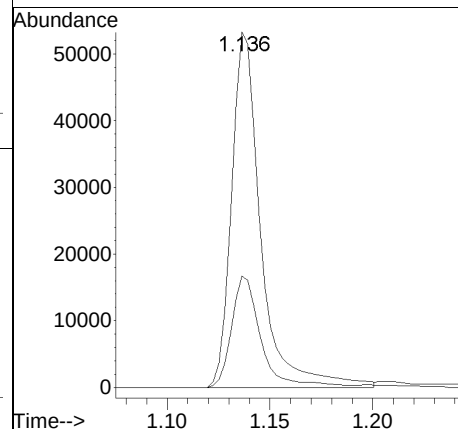
Tgt Ion:	50	Resp:	48769
Ion Ratio	Lower	Upper	
50	100		
52	32.9	12.9	52.9
47	7.9	0.0	28.3

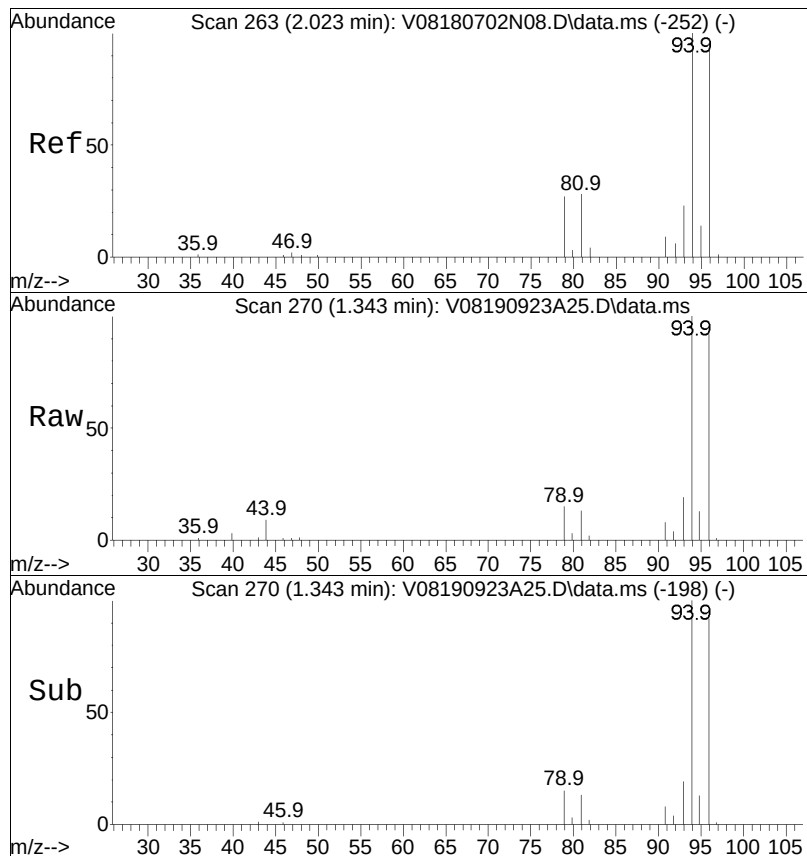




#4
 Vinyl chloride
 Concen: 10.69 ug/L
 RT: 1.136 min Scan# 196
 Delta R.T. -0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

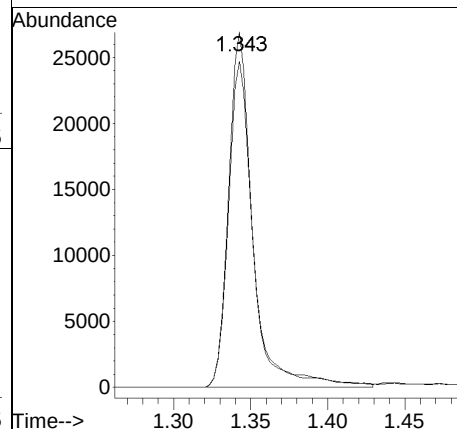
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.2	9.1	49.1

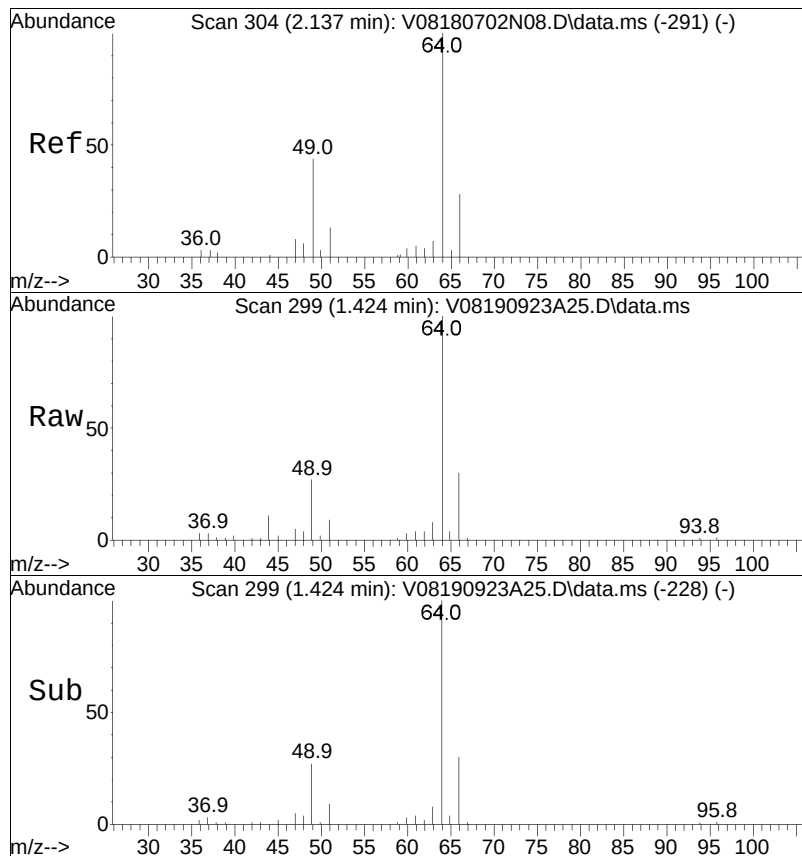




#5
 Bromomethane
 Concen: 8.38 ug/L
 RT: 1.343 min Scan# 270
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

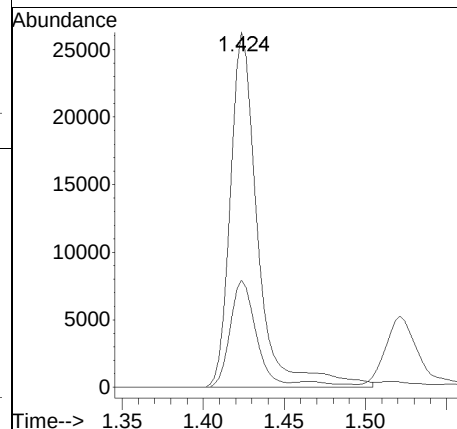
Tgt Ion	94	96	Ratio	100	Lower	Upper
Resp	29784					
Ratio		92.8		75.6		115.6

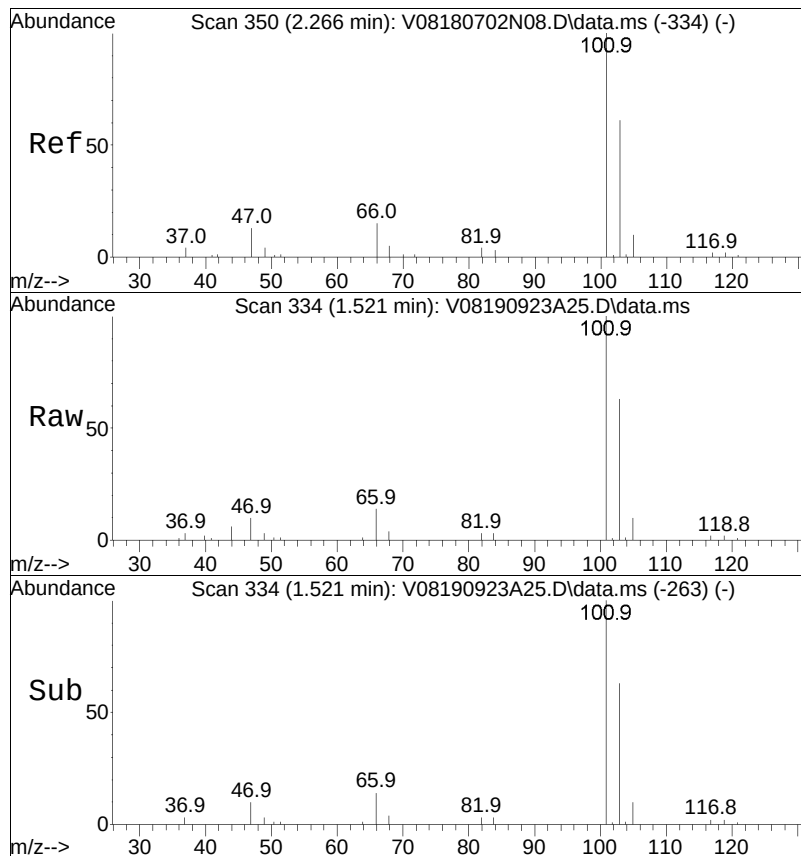




#6
 Chloroethane
 Concen: 9.68 ug/L
 RT: 1.424 min Scan# 299
 Delta R.T. -0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

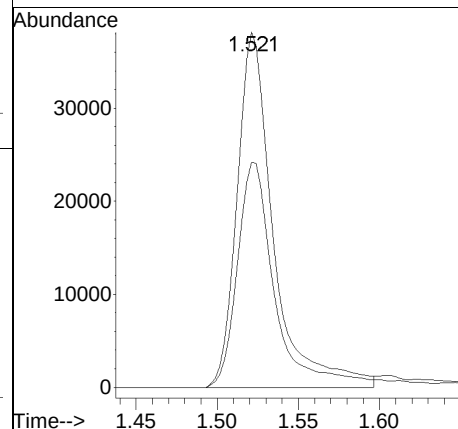
Tgt Ion	Ratio	Lower	Upper
64	100		
66	28.0	9.8	49.8

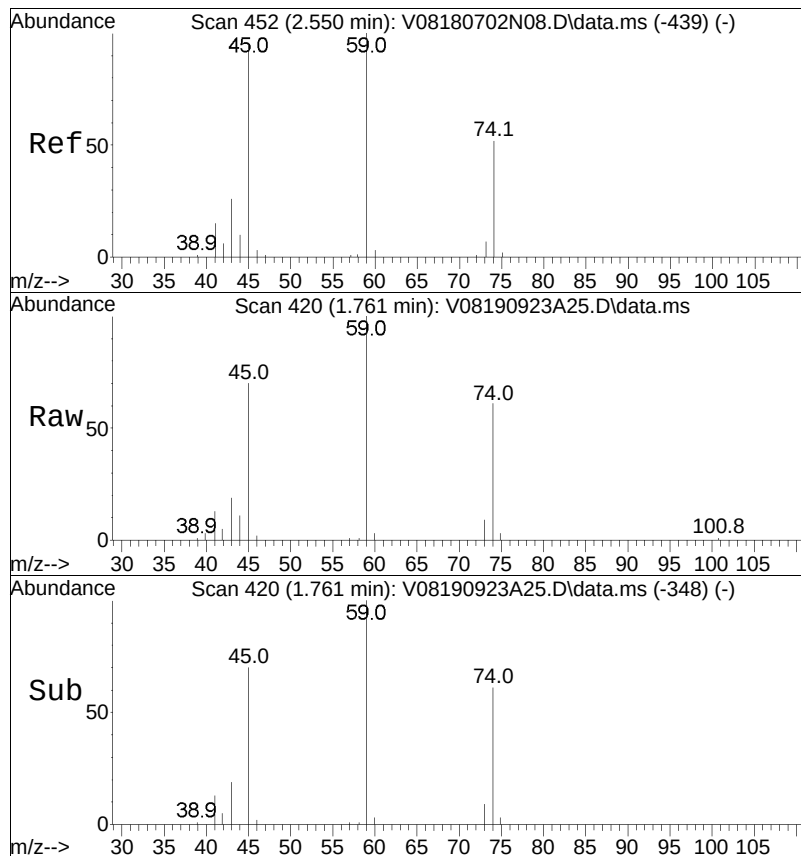




#7
 Trichlorofluoromethane
 Concen: 8.73 ug/L
 RT: 1.521 min Scan# 334
 Delta R.T. -0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

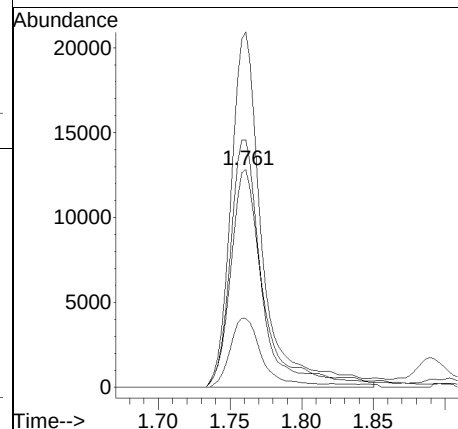
Tgt	Ion	Ratio	Lower	Upper
101	100			
103	66.1	53.8	80.6	

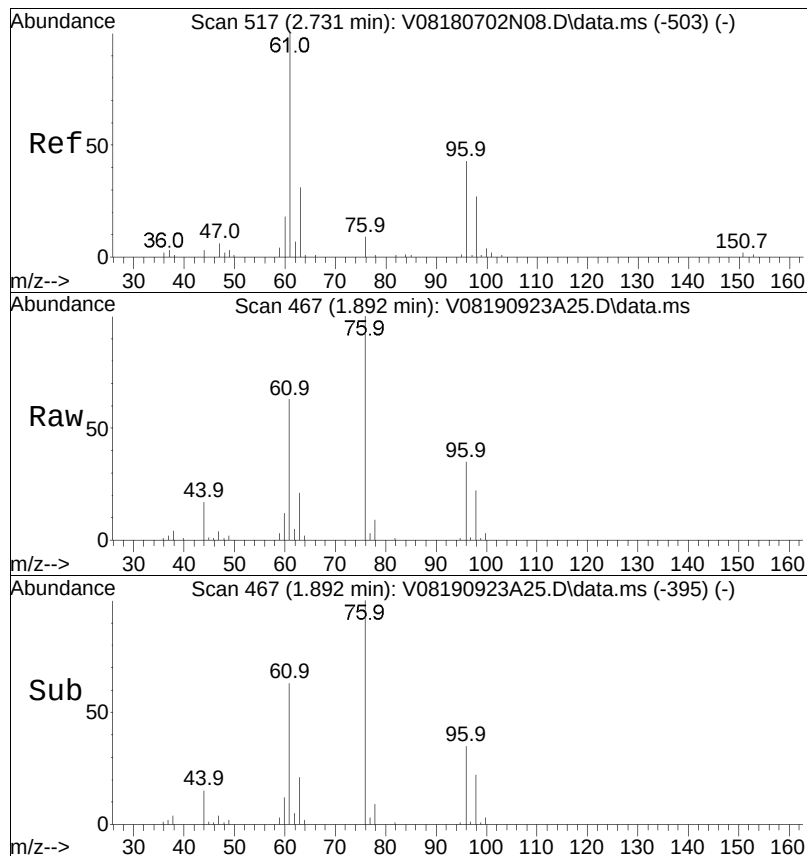




#8
 Ethyl ether
 Concen: 10.12 ug/L
 RT: 1.761 min Scan# 420
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

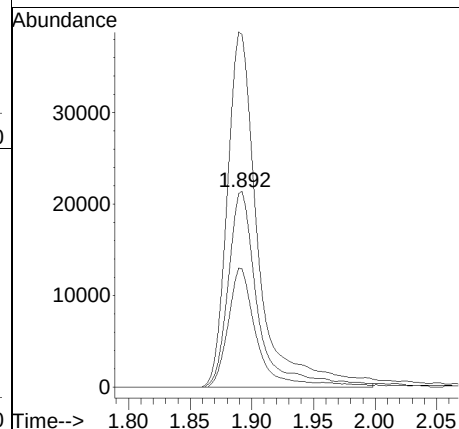
Tgt Ion:	74	Resp:	20402
Ion Ratio	Lower	Upper	
74	100		
59	156.6	122.2	253.8
45	110.0	91.9	190.9
43	31.3	25.2	52.2

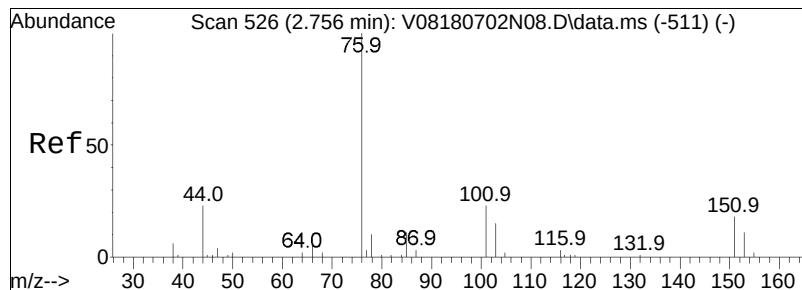




#10
 1,1-Dichloroethene
 Concen: 10.26 ug/L
 RT: 1.892 min Scan# 467
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

Tgt Ion:	96	Resp:	36413
Ion Ratio	Lower	Upper	
96	100		
61	185.6	186.1	279.1#
63	56.3	57.6	86.4#





#11

Carbon disulfide

Concen: 10.19 ug/L

RT: 1.898 min Scan# 469

Delta R.T. 0.000 min

Lab File: V08190923A25.D

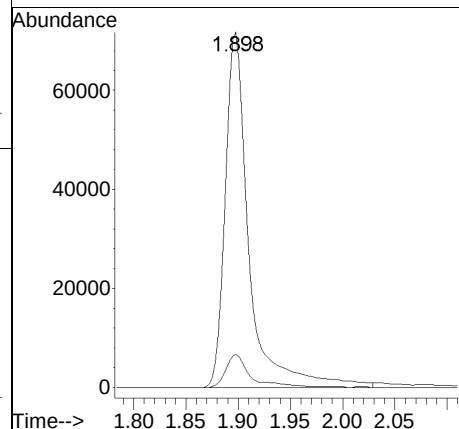
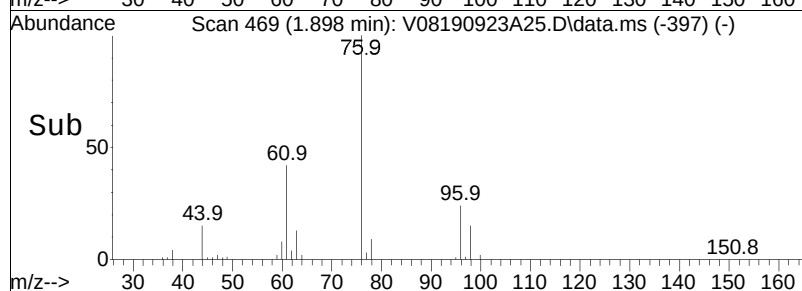
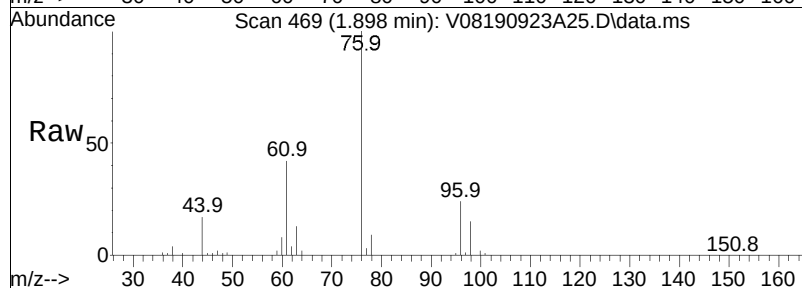
Acq: 23 Sep 2019 16:16

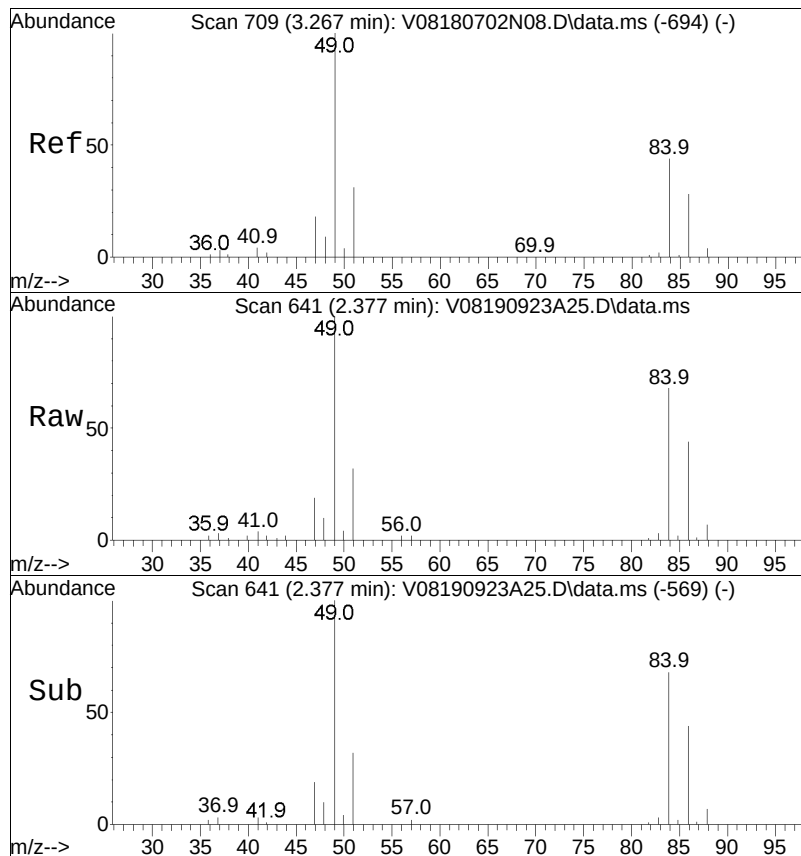
Tgt Ion: 76 Resp: 114208

Ion Ratio Lower Upper

76 100

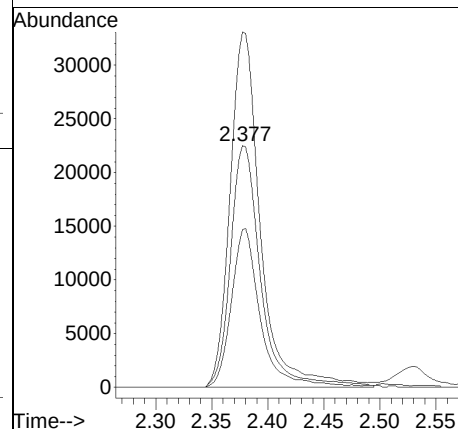
78 9.5 5.7 11.7

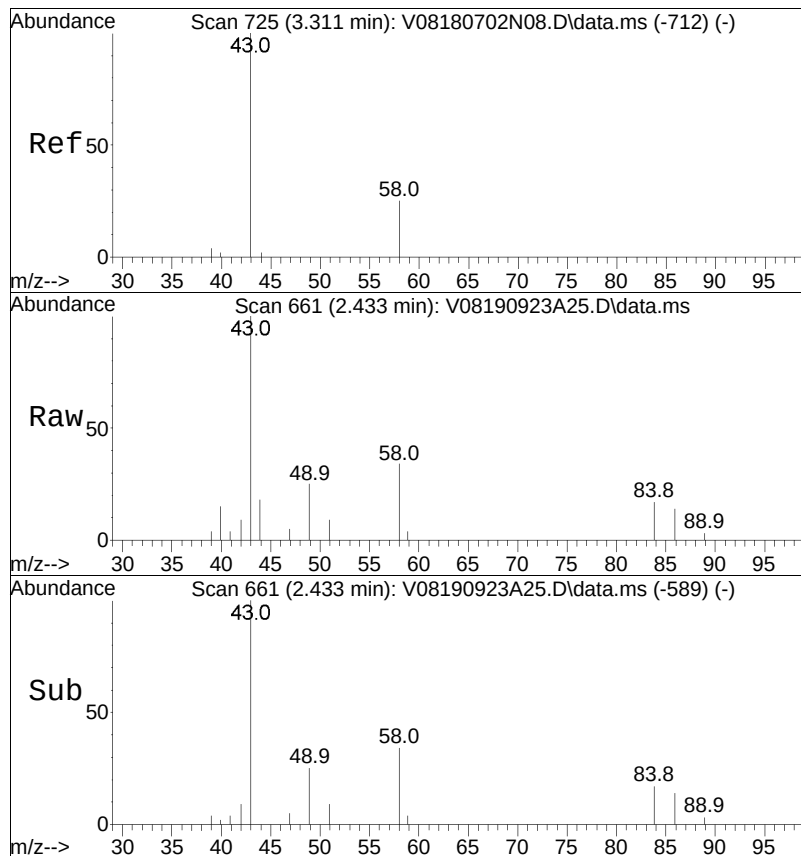




#15
Methylene chloride
Concen: 10.09 ug/L
RT: 2.377 min Scan# 641
Delta R.T. 0.000 min
Lab File: V08190923A25.D
Acq: 23 Sep 2019 16:16

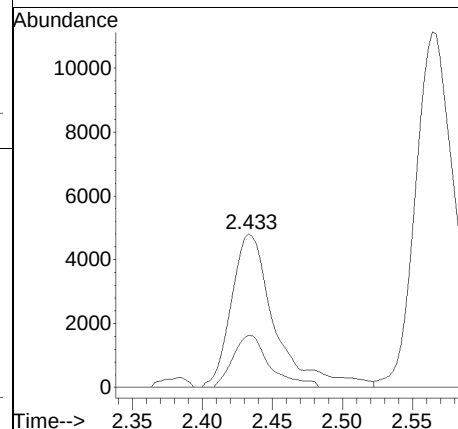
Tgt Ion:	84	Resp:	42494
Ion Ratio	Lower	Upper	
84	100		
86	62.7	40.4	83.8
49	145.7	120.0	249.2

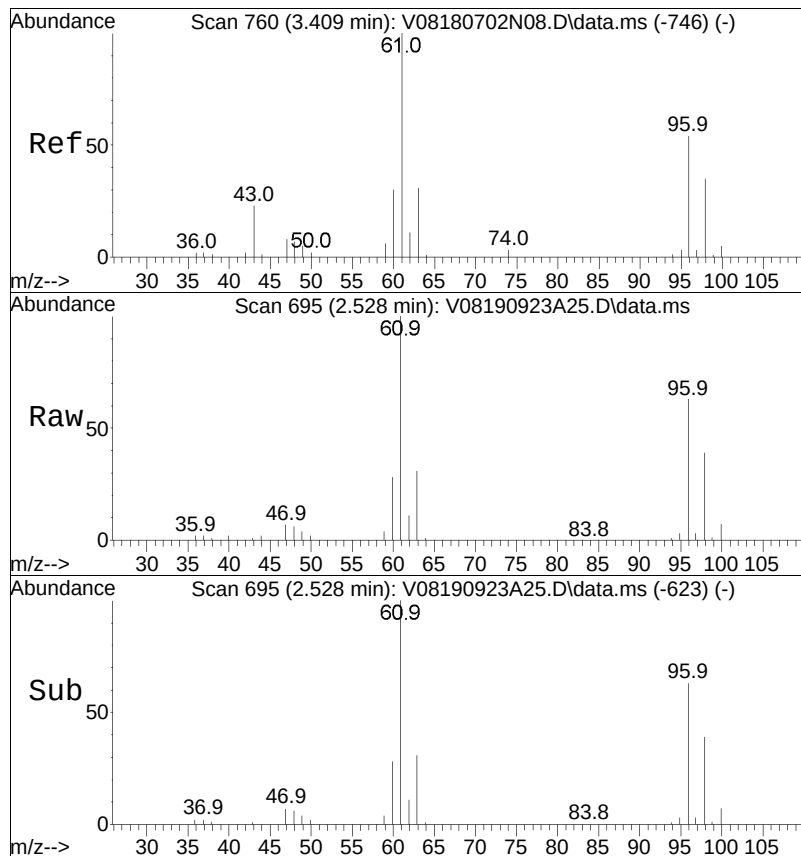




#17
 Acetone
 Concen: 12.02 ug/L
 RT: 2.433 min Scan# 661
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

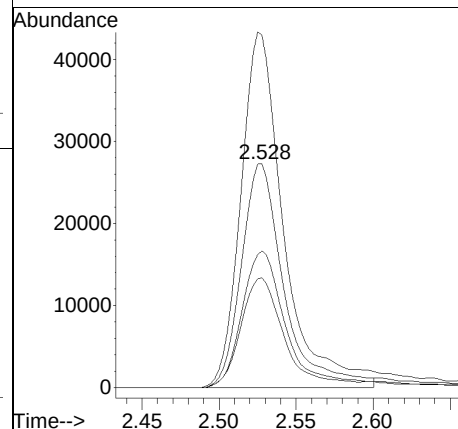
Tgt Ion:	43	58	Ratio	100	28.9	Resp:	10456	Lower	Upper
43	100								
58		28.9						24.2	36.4

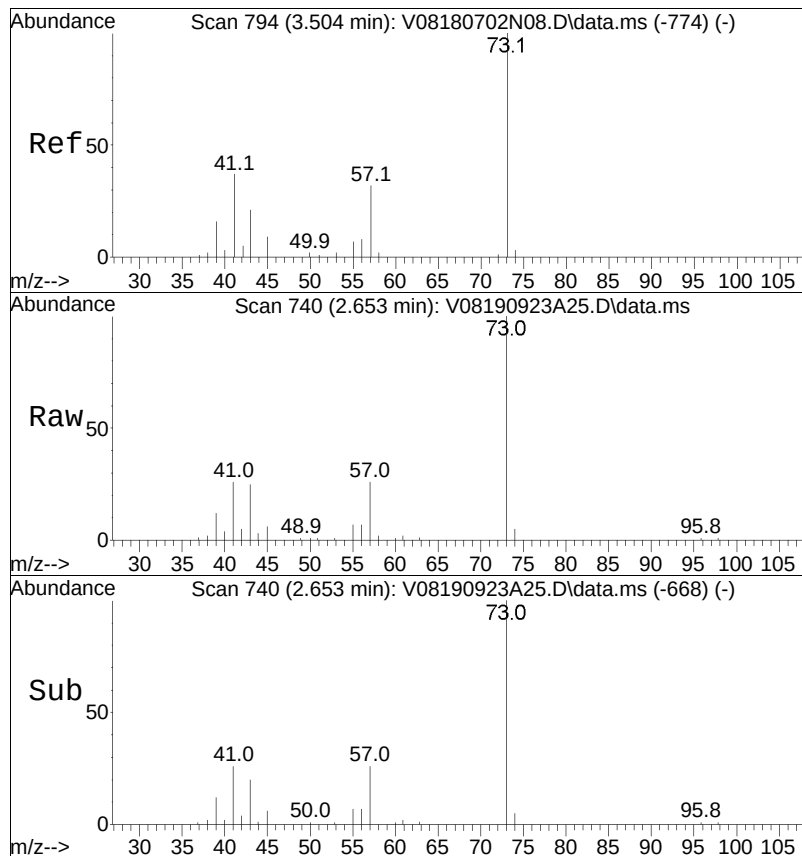




#18
 trans-1,2-Dichloroethene
 Concen: 13.64 ug/L
 RT: 2.528 min Scan# 695
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

Tgt Ion:	96	Resp:	52654
Ion Ratio	Lower	Upper	
96	100		
61	164.2	124.0	257.6
98	62.7	41.2	85.6
63	50.0	38.4	79.7





#20

Methyl tert-butyl ether

Concen: 9.21 ug/L

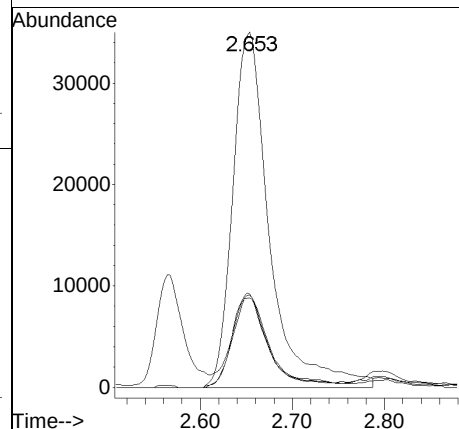
RT: 2.653 min Scan# 740

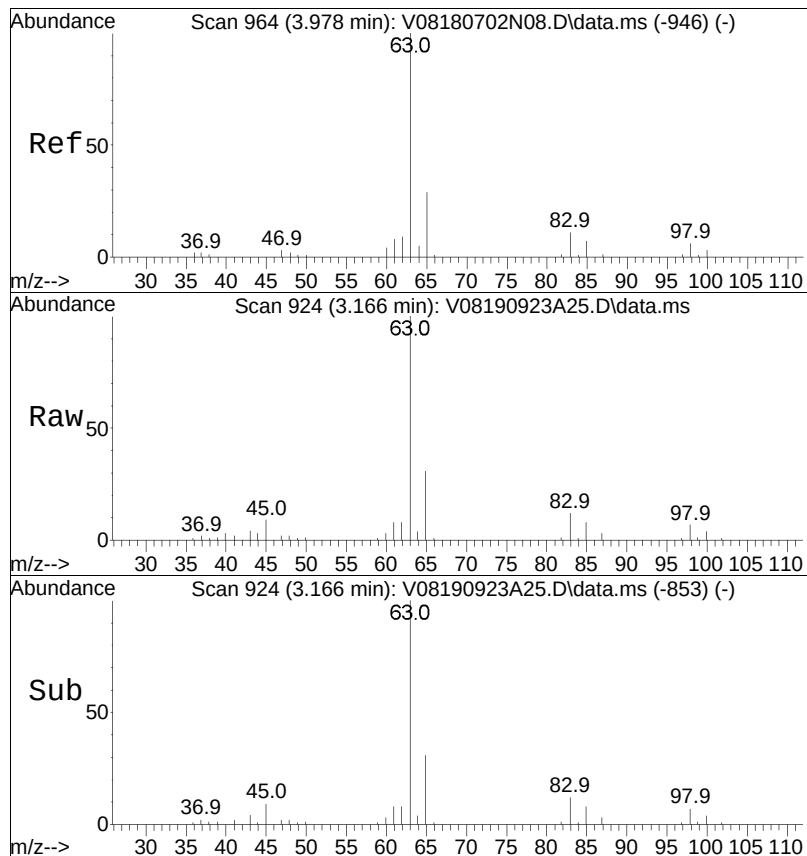
Delta R.T. 0.000 min

Lab File: V08190923A25.D

Acq: 23 Sep 2019 16:16

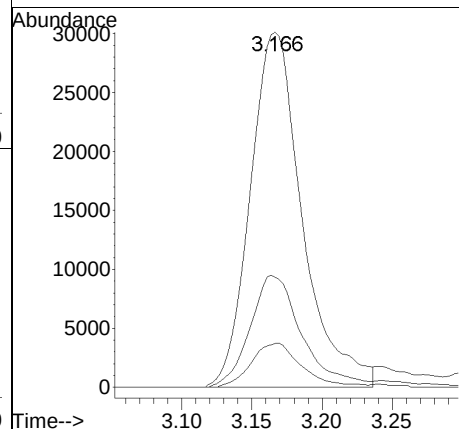
Tgt Ion:	73	Resp:	97546
Ion	Ratio	Lower	Upper
73	100		
57	24.7	17.5	36.3
43	21.5	15.3	31.9
41	26.4	15.3	31.7

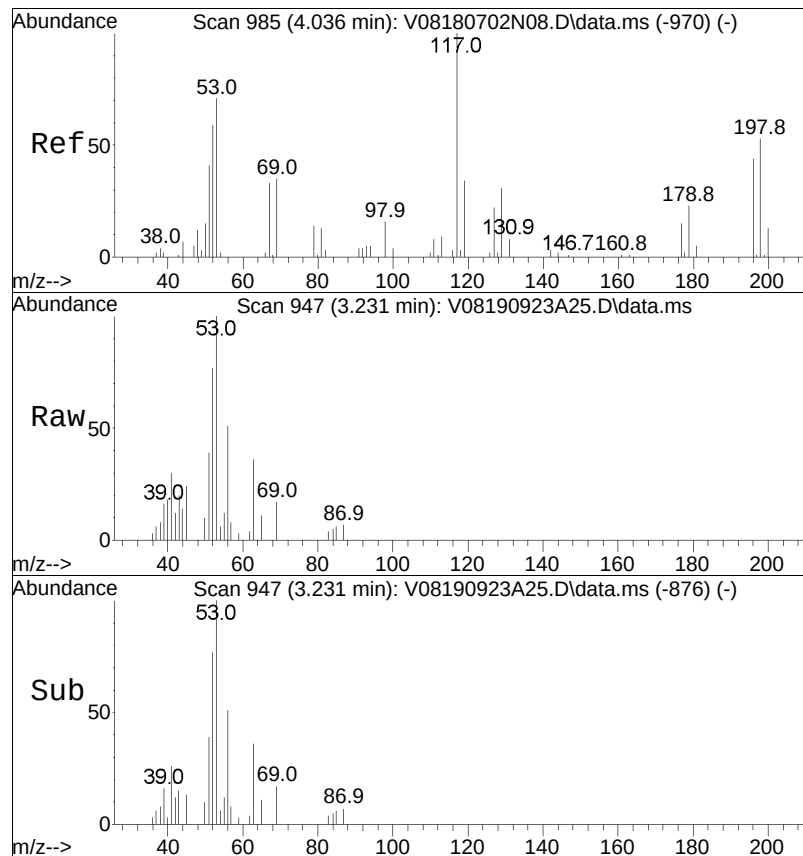




#23
 1,1-Dichloroethane
 Concen: 9.74 ug/L
 RT: 3.166 min Scan# 924
 Delta R.T. -0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

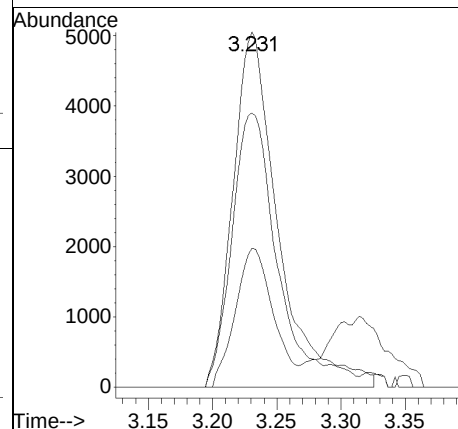
Tgt Ion:	63	Resp:	77895
Ion Ratio	Lower	Upper	
63	100		
65	31.4	11.0	51.0
83	12.2	0.0	31.8

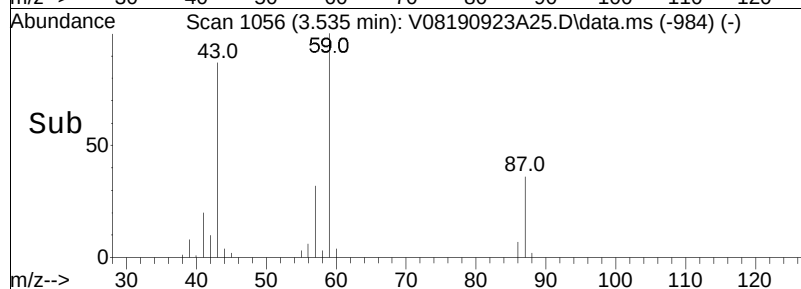
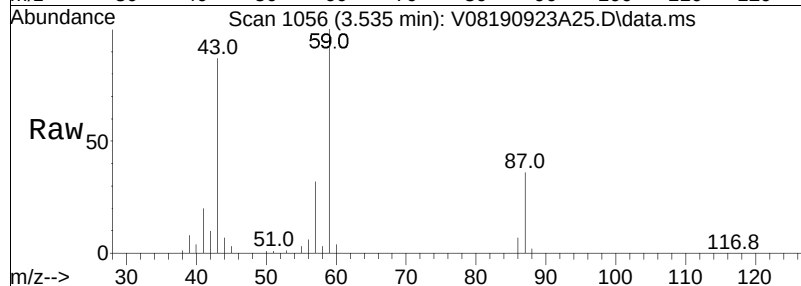
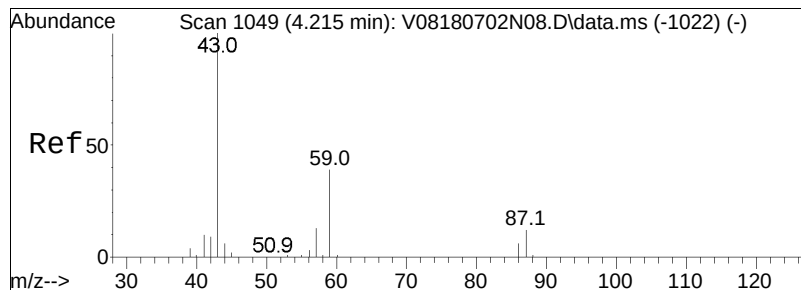




#25
 Acrylonitrile
 Concen: 11.61 ug/L
 RT: 3.231 min Scan# 947
 Delta R.T. -0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

Tgt Ion:	53	Resp:	12441
Ion Ratio	Lower	Upper	
53	100		
52	78.3	66.7	100.1
51	33.0	30.6	46.0





#27

Vinyl acetate

Concen: 10.47 ug/L

RT: 3.535 min Scan# 1056

Delta R.T. 0.000 min

Lab File: V08190923A25.D

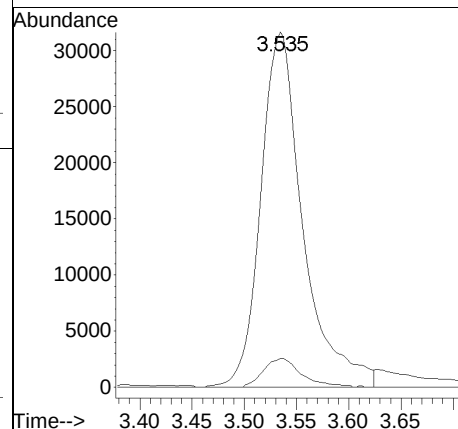
Acq: 23 Sep 2019 16:16

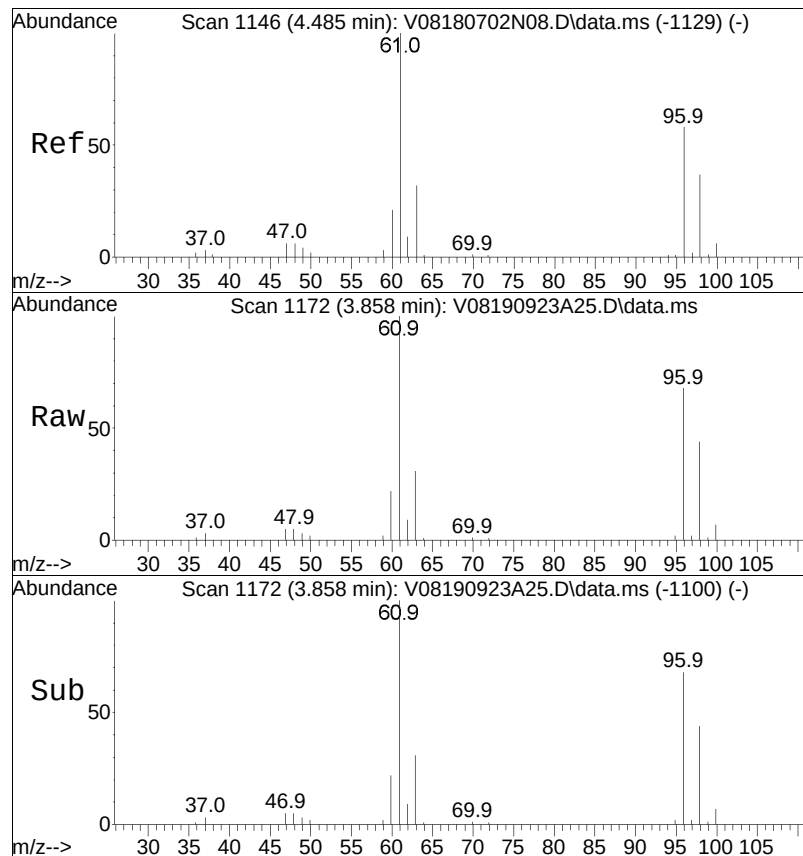
Tgt Ion: 43 Resp: 89007

Ion Ratio Lower Upper

43 100

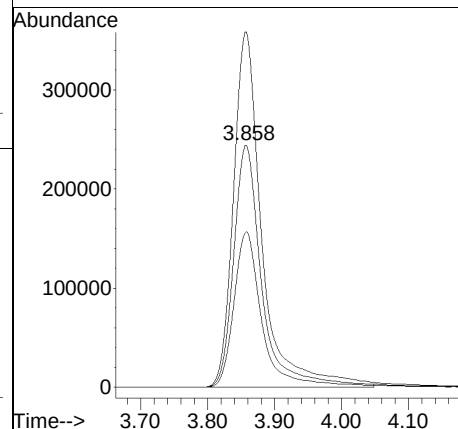
86 7.5 5.2 7.8

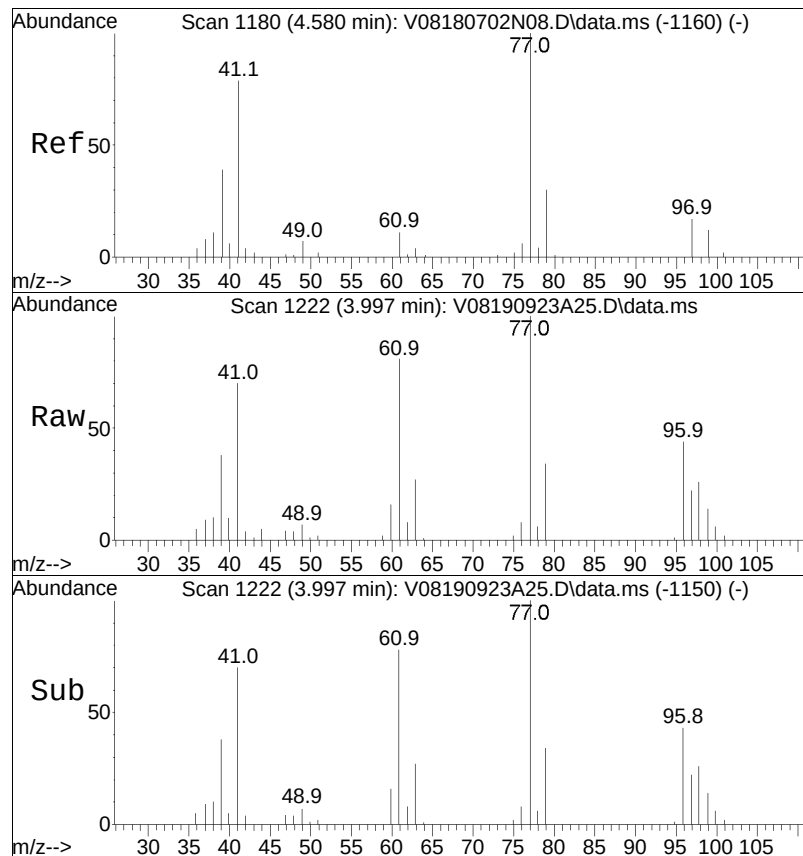




#28
 cis-1,2-Dichloroethene
 Concen: 164.55 ug/L
 RT: 3.858 min Scan# 1172
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

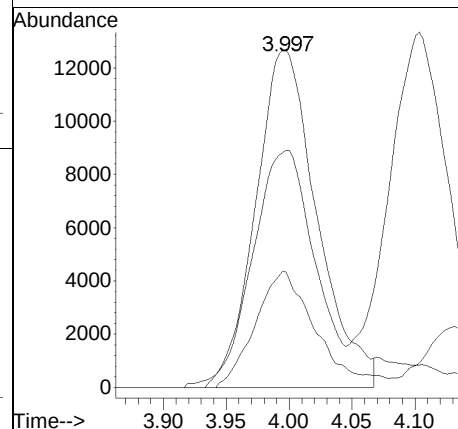
Tgt Ion:	96	Resp:	720693
Ion Ratio	Lower	Upper	
96	100		
61	148.2	149.4	224.2#
98	64.1	53.4	80.2

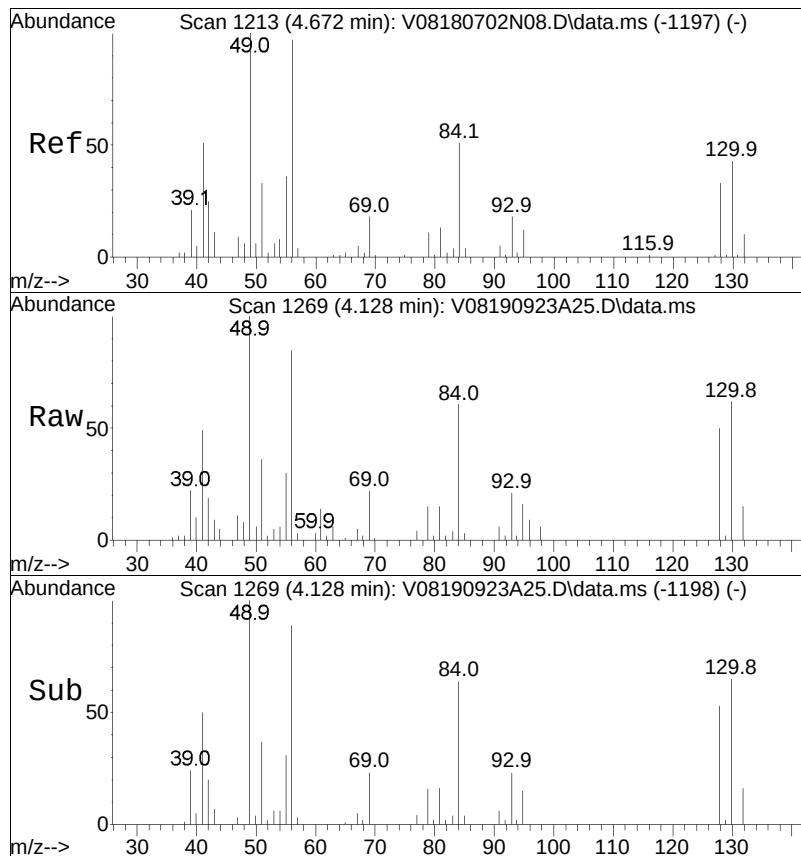




#29
 2,2-Dichloropropane
 Concen: 7.16 ug/L
 RT: 3.997 min Scan# 1222
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

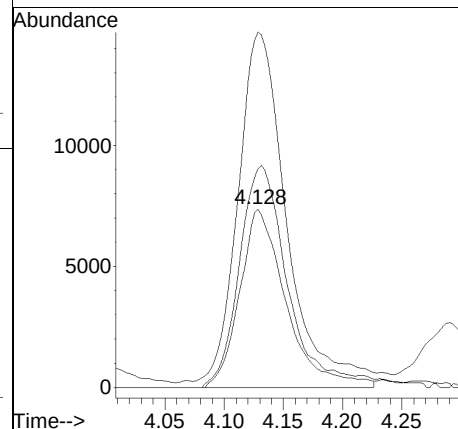
Tgt Ion:	77	Resp:	43047
Ion Ratio	Lower	Upper	
77	100		
41	70.9	38.0	78.8
79	34.2	20.5	42.5

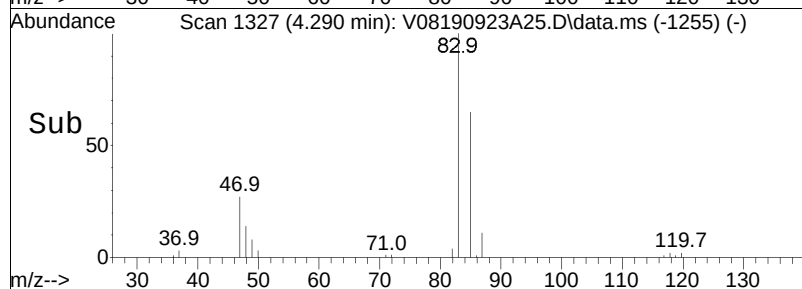
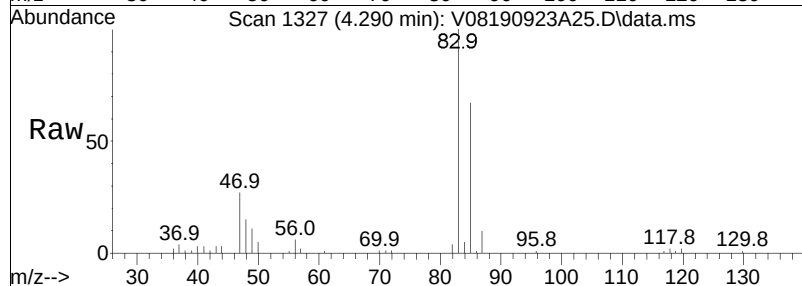
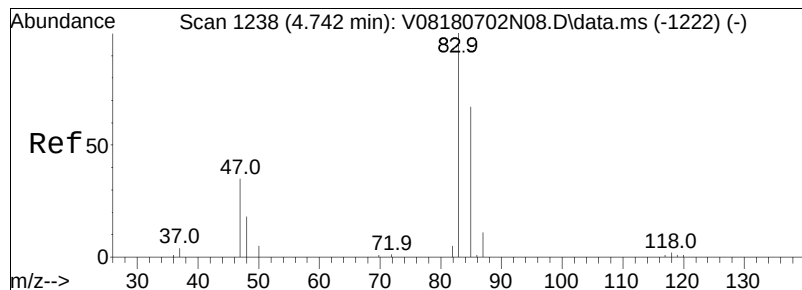




#30
 Bromochloromethane
 Concen: 10.09 ug/L
 RT: 4.128 min Scan# 1269
 Delta R.T. -0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

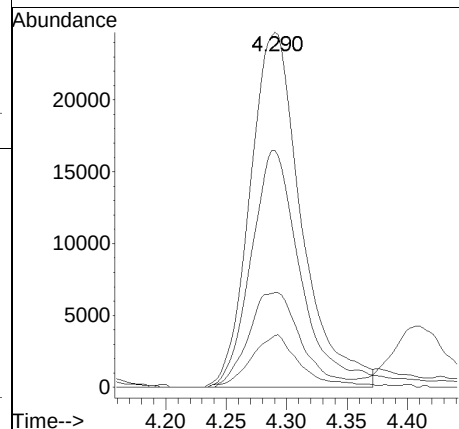
Tgt Ion:	128	Resp:	20075
Ion Ratio	Lower	Upper	
128	100		
49	199.8	223.0	334.4#
130	127.2	111.4	167.0

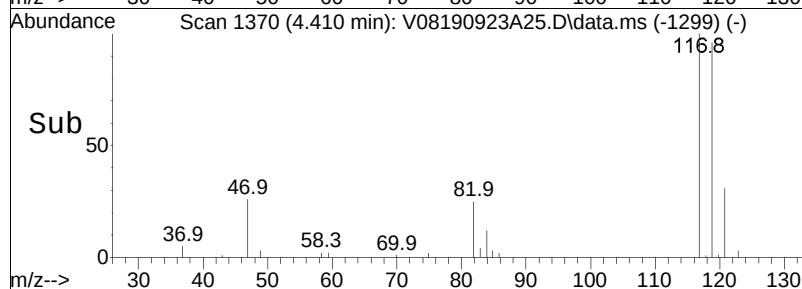
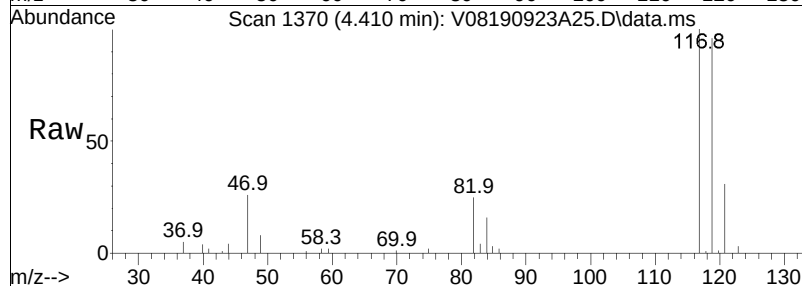
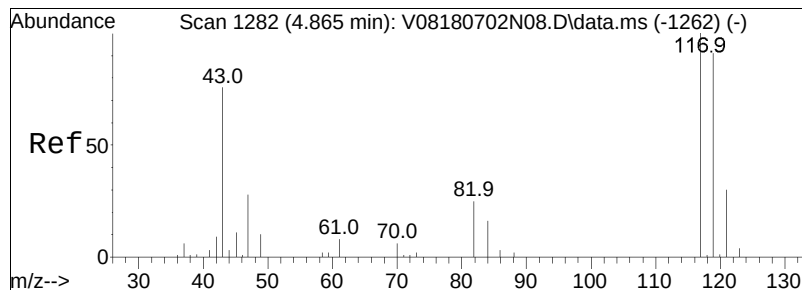




#32
 Chloroform
 Concen: 9.35 ug/L
 RT: 4.290 min Scan# 1327
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

Tgt Ion:	83	Resp:	73108
Ion Ratio	Lower	Upper	
83	100		
85	66.9	41.5	86.1
47	27.5	19.0	39.4
48	14.2	9.9	20.5





#34

Carbon tetrachloride

Concen: 9.50 ug/L

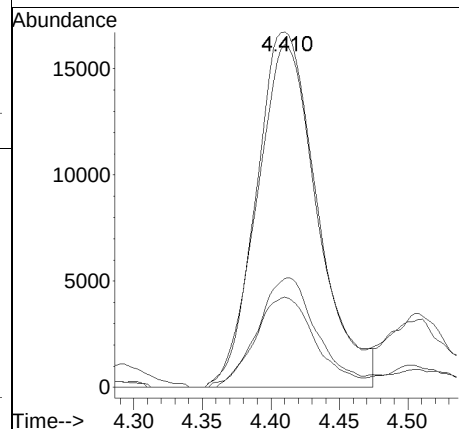
RT: 4.410 min Scan# 1370

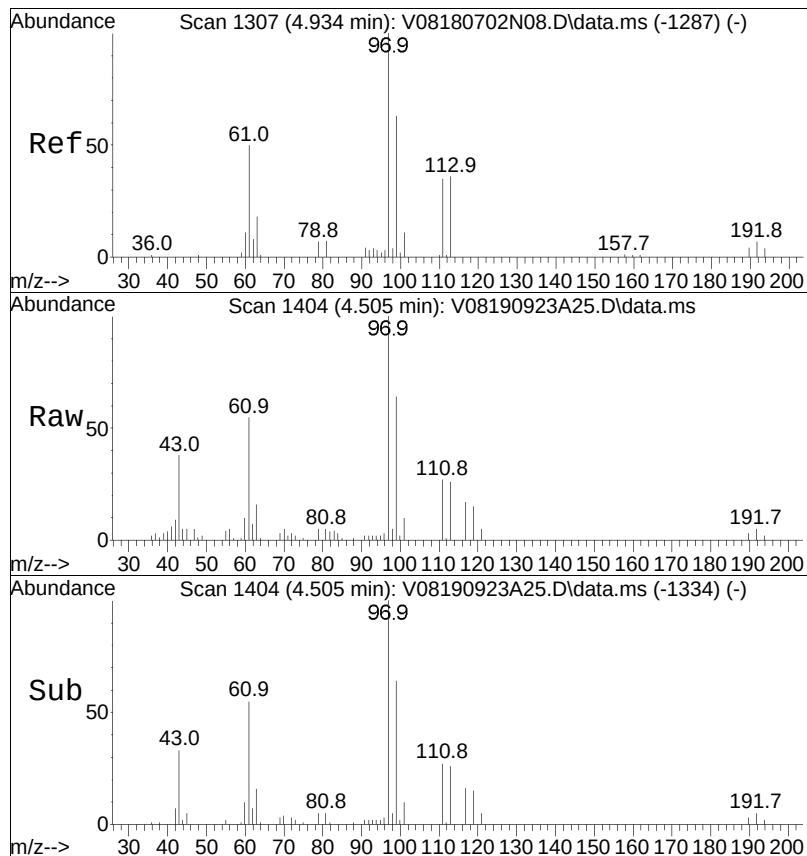
Delta R.T. -0.003 min

Lab File: V08190923A25.D

Acq: 23 Sep 2019 16:16

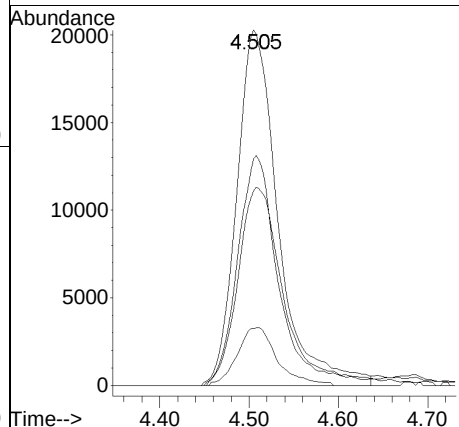
Tgt Ion:	117	Resp:	52237
Ion Ratio	Lower	Upper	
117	100		
119	94.1	62.4	129.6
121	29.5	19.5	40.5
82	25.2	17.0	35.4

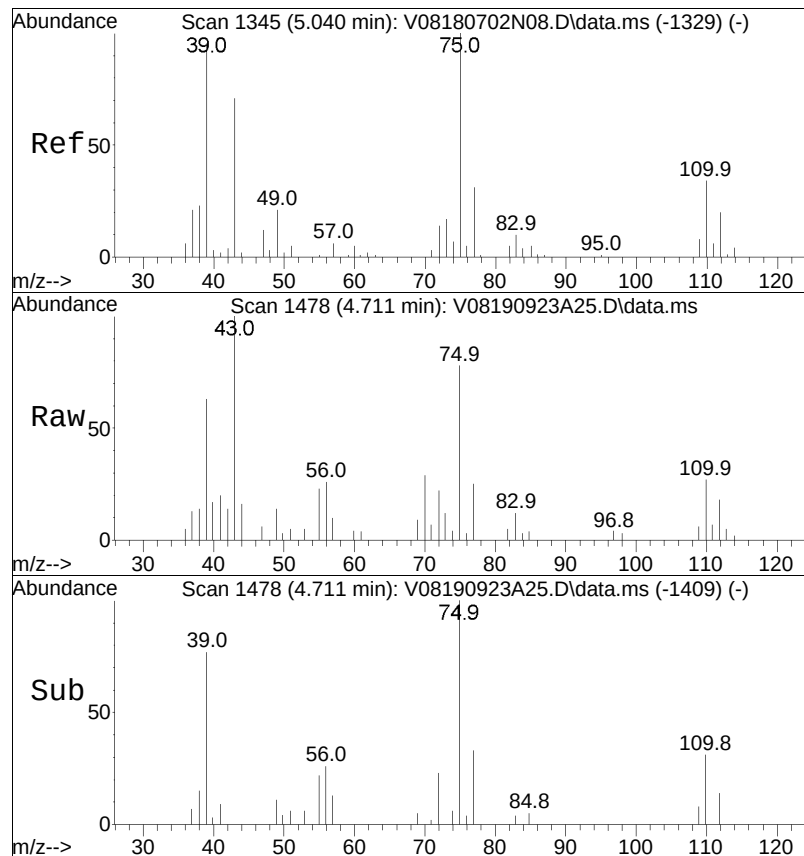




#37
 1,1,1-Trichloroethane
 Concen: 9.48 ug/L
 RT: 4.505 min Scan# 1404
 Delta R.T. -0.005 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

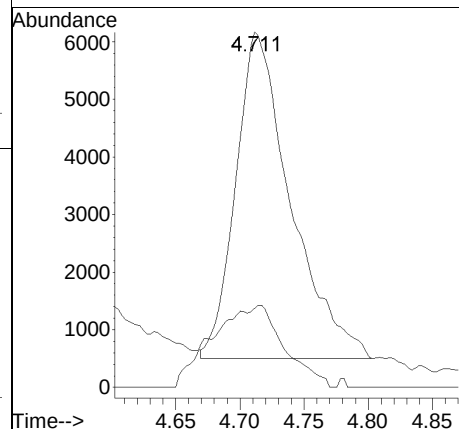
Tgt Ion:	97	Resp:	65472
Ion Ratio	Lower	Upper	
97	100		
99	62.9	40.7	84.5
61	61.5	35.4	73.4
63	15.7	5.0	10.4#

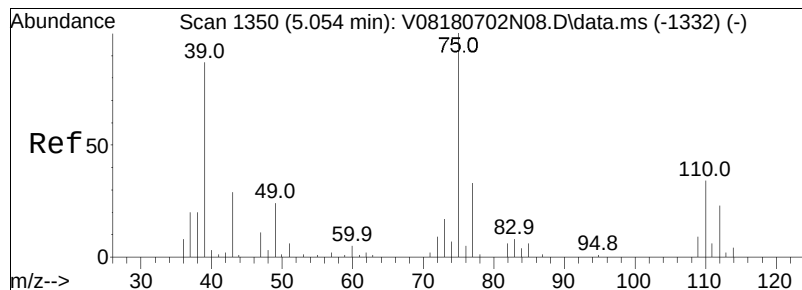




#39
 2-Butanone
 Concen: 12.95 ug/L
 RT: 4.711 min Scan# 1478
 Delta R.T. -0.009 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

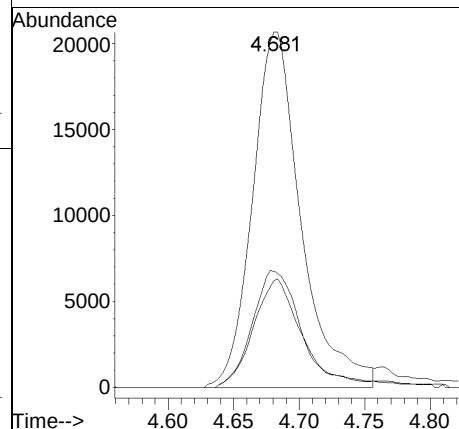
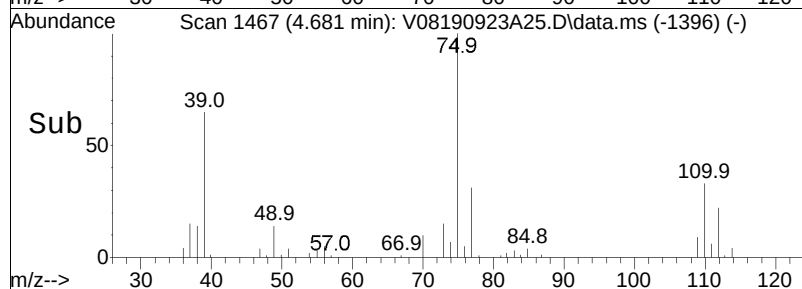
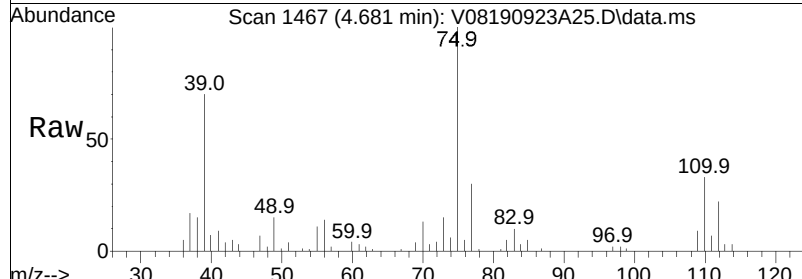
Tgt Ion: 43 Resp: 16881
 Ion Ratio Lower Upper
 43 100
 72 17.1 10.9 16.3#

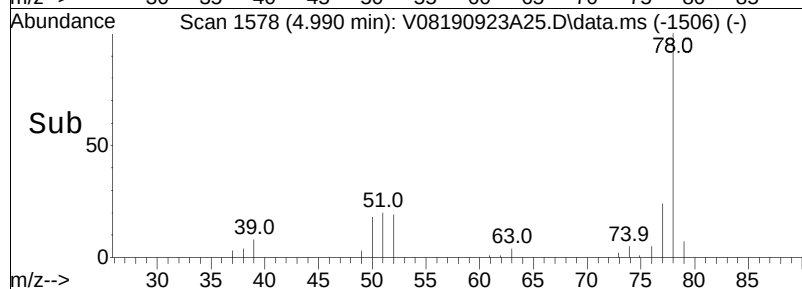
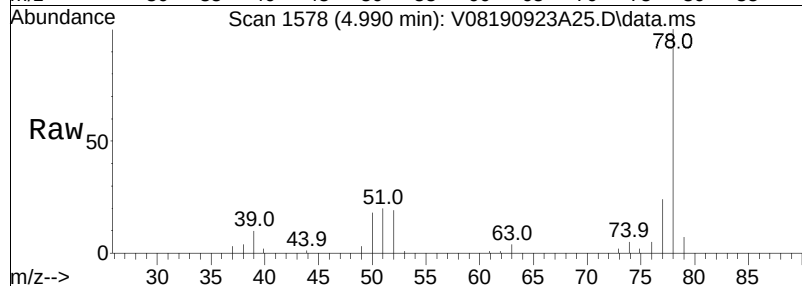
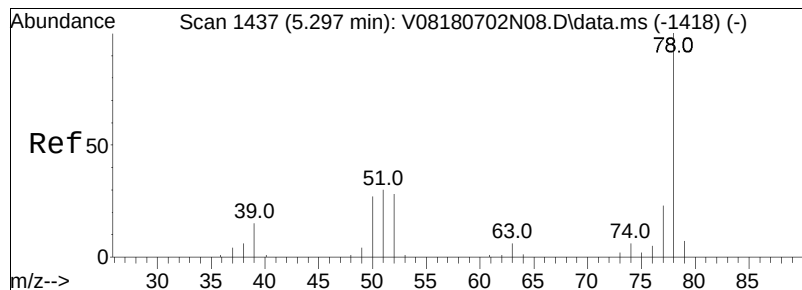




#40
 1,1-Dichloropropene
 Concen: 9.65 ug/L
 RT: 4.681 min Scan# 1467
 Delta R.T. -0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	20.2	41.9
77	30.3	20.1	41.7





#41

Benzene

Concen: 9.62 ug/L

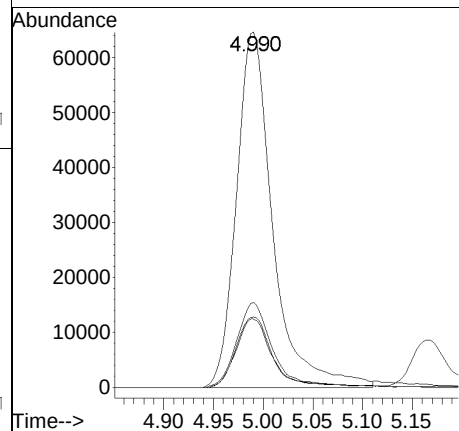
RT: 4.990 min Scan# 1578

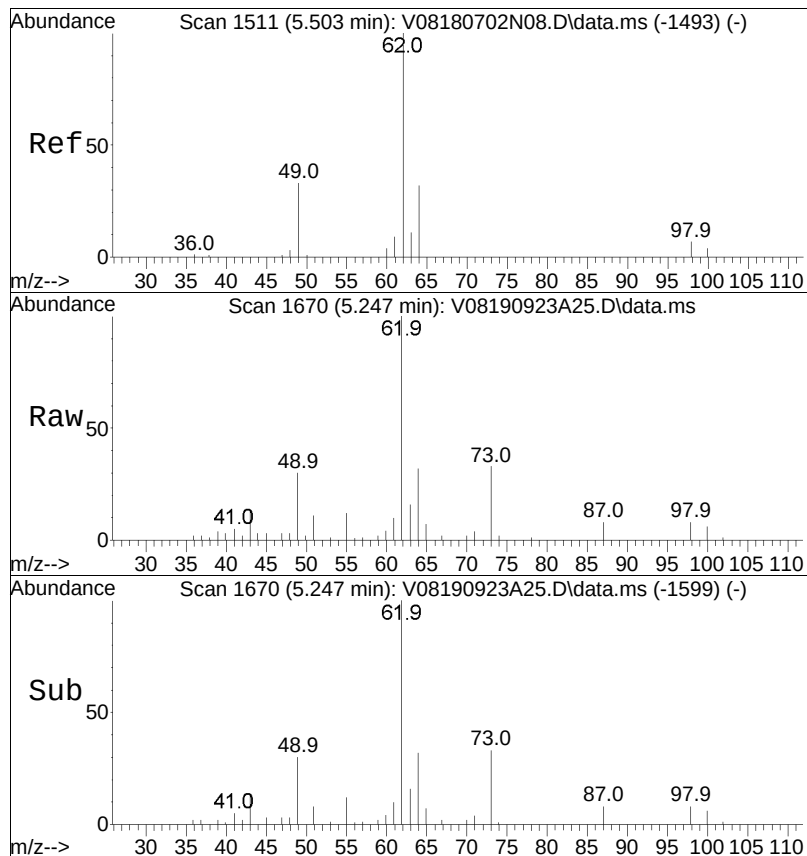
Delta R.T. 0.000 min

Lab File: V08190923A25.D

Acq: 23 Sep 2019 16:16

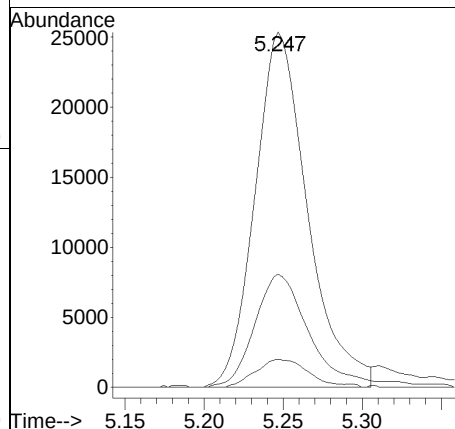
Tgt Ion: 78	Resp: 164907
Ion Ratio	Lower Upper
78 100	
77 23.2	15.7 32.7
51 19.5	16.0 33.2
52 19.3	15.3 31.9

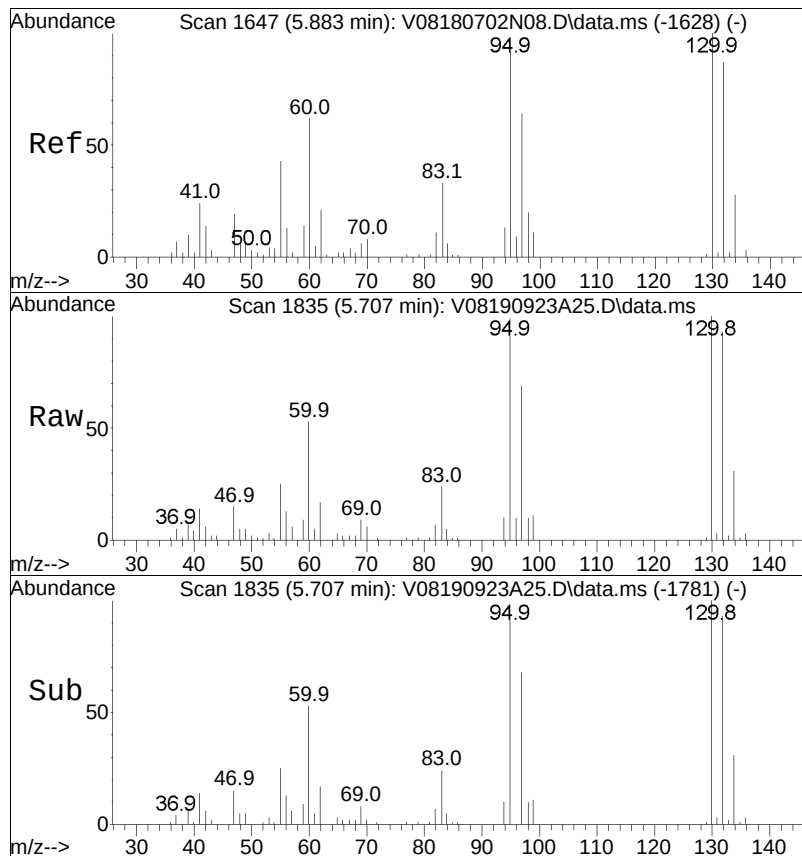




#44
 1,2-Dichloroethane
 Concen: 9.20 ug/L
 RT: 5.247 min Scan# 1670
 Delta R.T. -0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

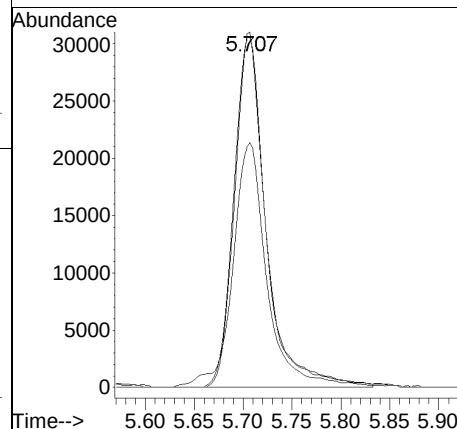
Tgt Ion:	62	Resp:	58702
Ion Ratio	Lower	Upper	
62	100		
64	32.8	11.2	51.2
98	7.9	0.0	26.1

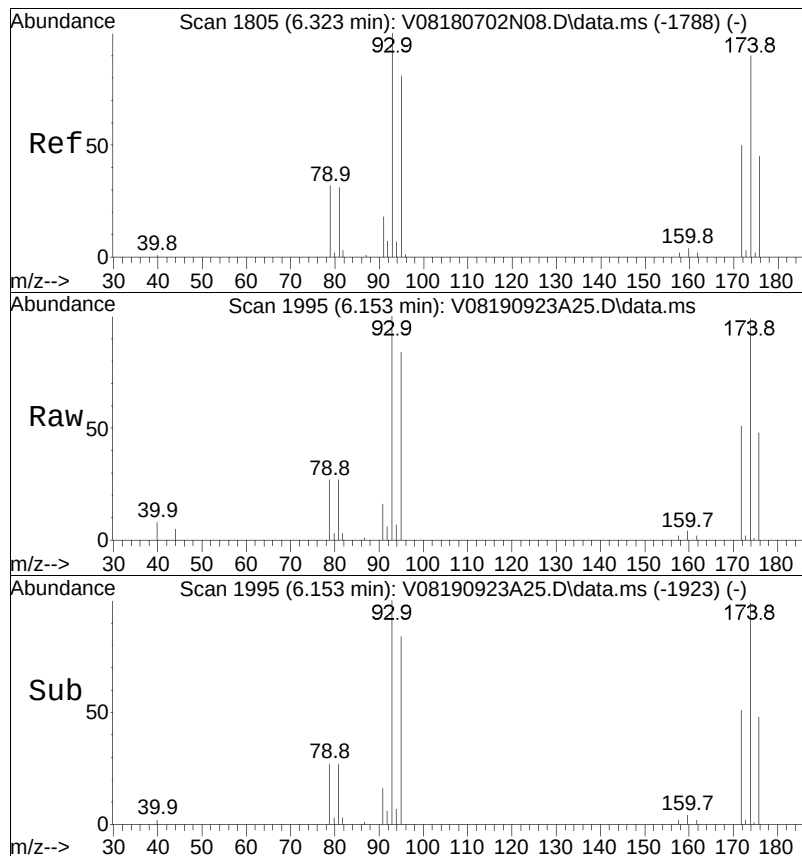




#48
 Trichloroethene
 Concen: 15.29 ug/L
 RT: 5.707 min Scan# 1835
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

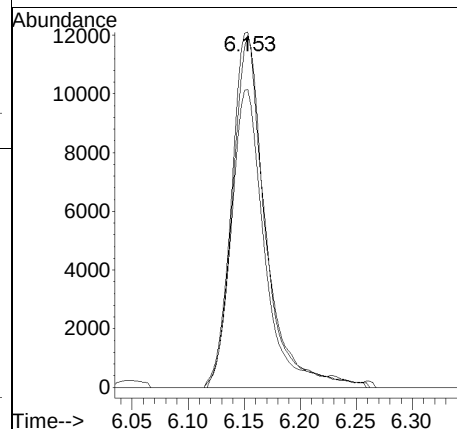
Tgt Ion:	95	Resp:	70676
Ion Ratio	Lower	Upper	
95	100		
97	72.8	55.5	83.3
130	97.6	76.6	115.0

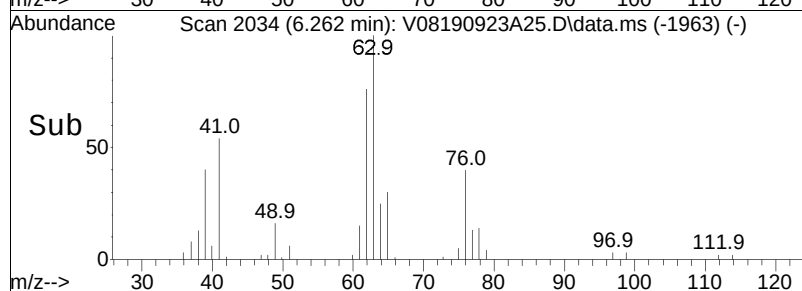
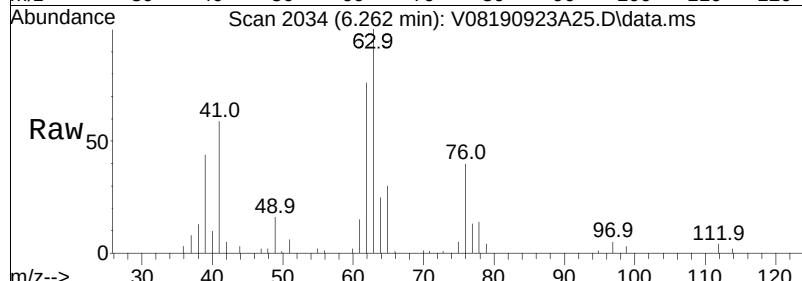
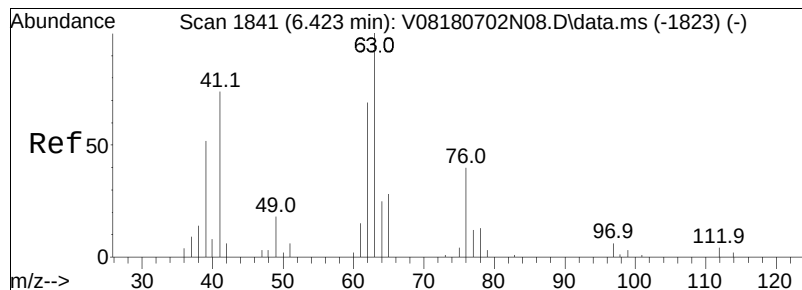




#50
 Dibromomethane
 Concen: 9.74 ug/L
 RT: 6.153 min Scan# 1995
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

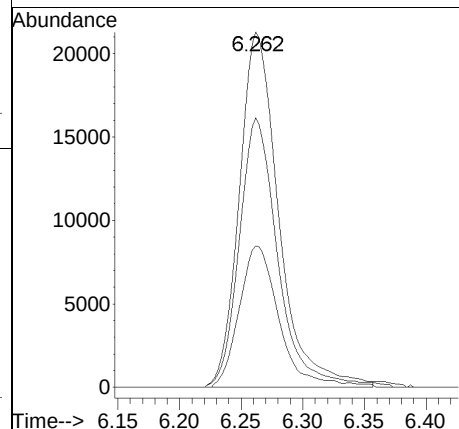
Tgt Ion:	93	Resp:	25298
Ion Ratio	Lower	Upper	
93	100		
95	82.0	67.0	100.4
174	97.4	75.0	112.4

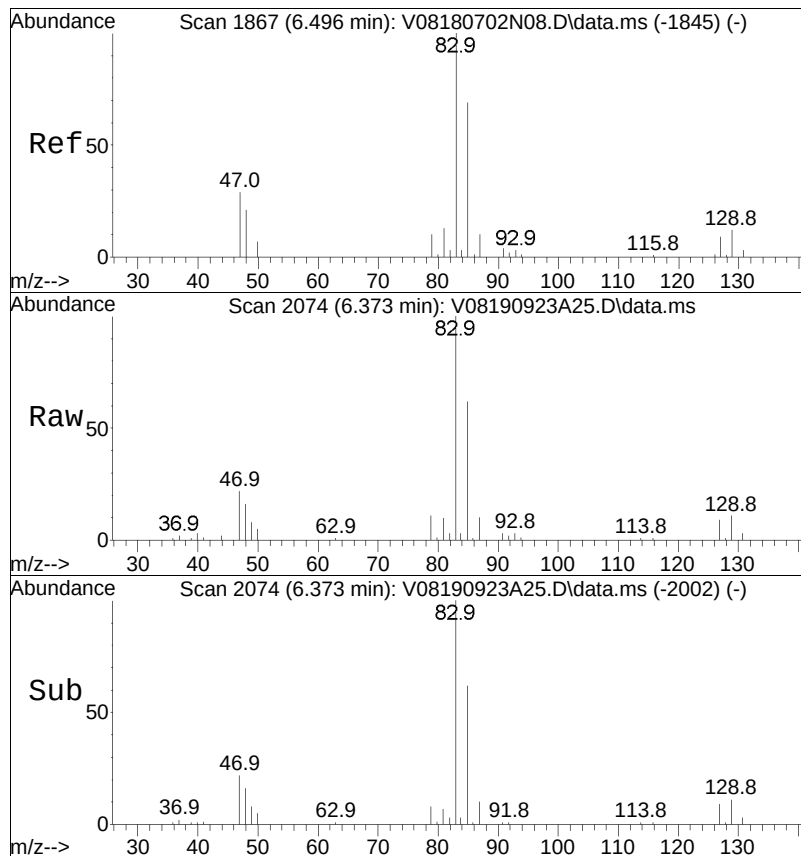




#51
 1,2-Dichloropropane
 Concen: 10.46 ug/L
 RT: 6.262 min Scan# 2034
 Delta R.T. -0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

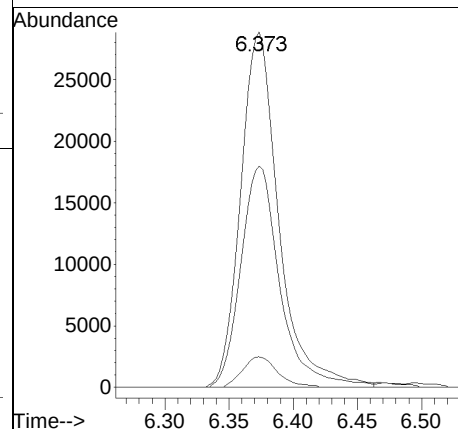
Tgt Ion	Ratio	Lower	Upper
63	100		
62	73.5	58.6	87.8
76	39.7	38.0	57.0

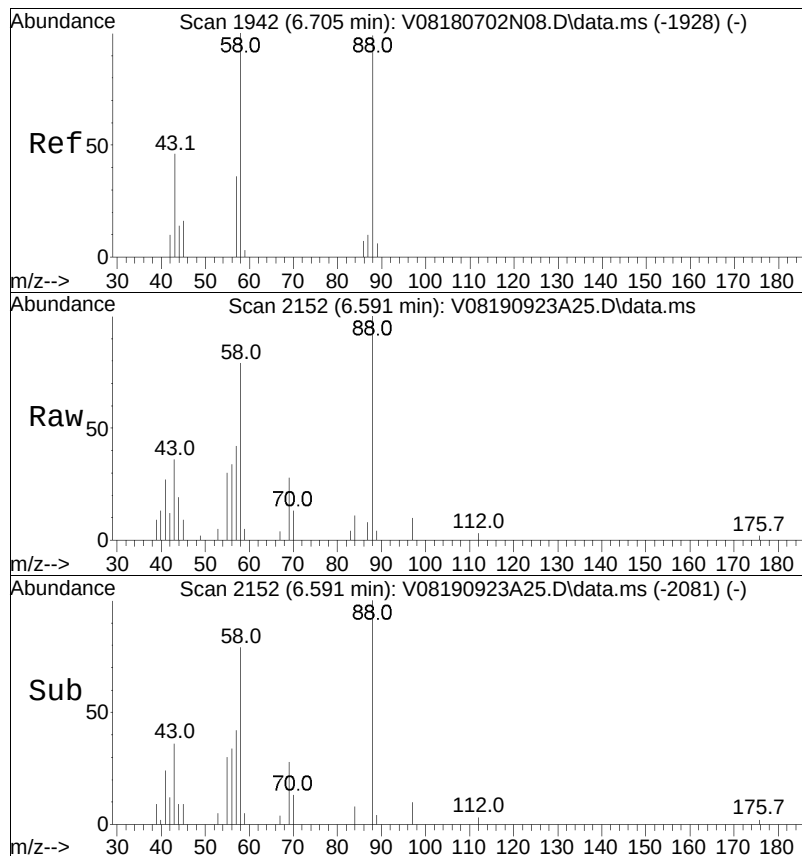




#54
 Bromodichloromethane
 Concen: 9.47 ug/L
 RT: 6.373 min Scan# 2074
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

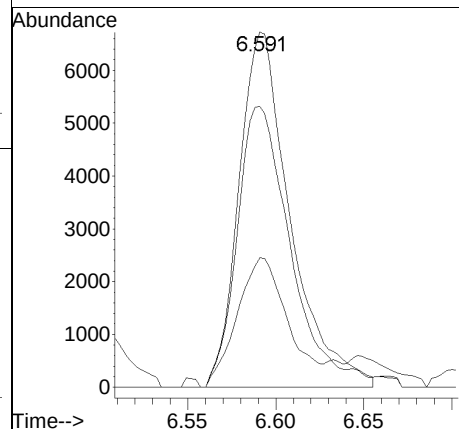
Tgt Ion:	83	Resp:	59963
Ion Ratio	Lower	Upper	
83	100		
85	64.0	52.3	78.5
127	7.9	6.2	9.4

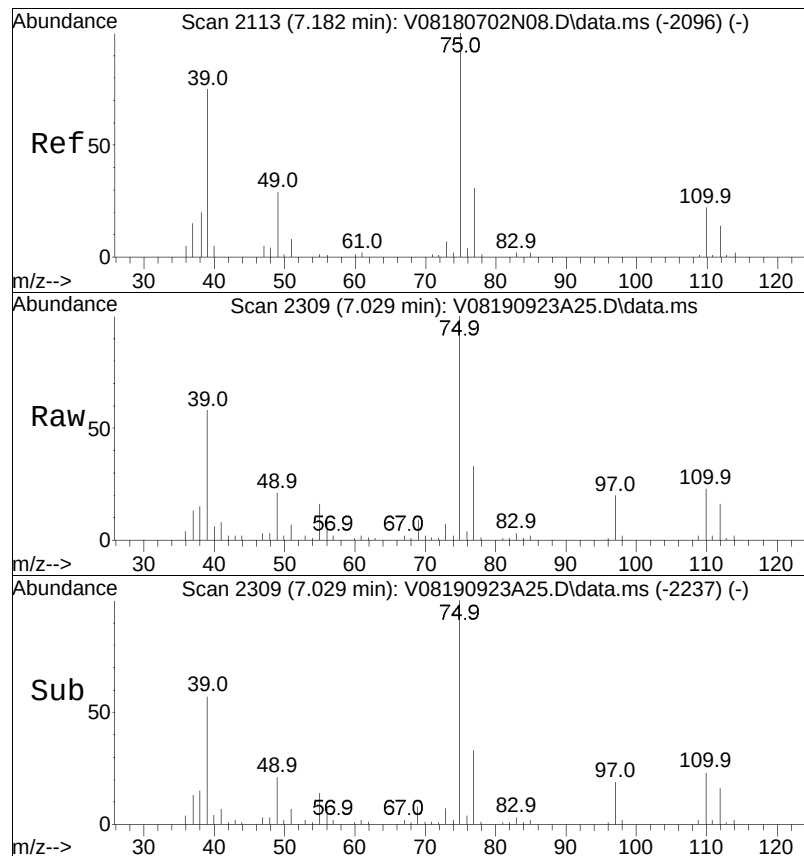




#57
 1,4-Dioxane
 Concen: 612.46 ug/L
 RT: 6.591 min Scan# 2152
 Delta R.T. -0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

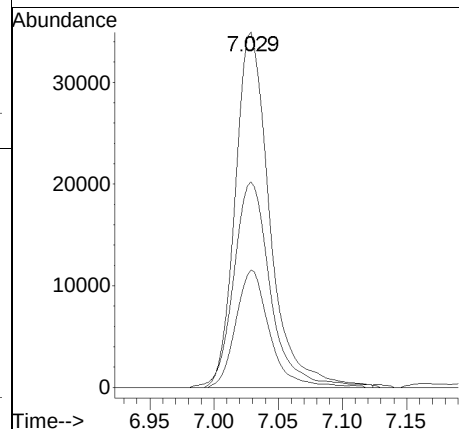
Tgt Ion:	88	Resp:	13688
Ion Ratio	Lower	Upper	
88	100		
58	81.9	76.7	115.1
43	36.2	36.2	54.2#

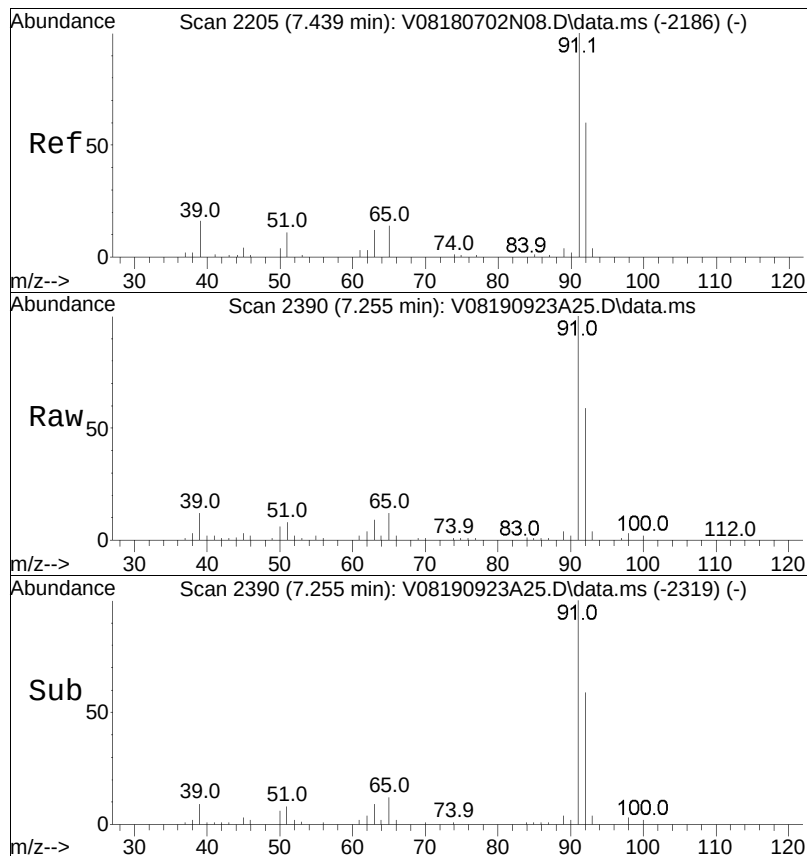




#58
 cis-1,3-Dichloropropene
 Concen: 9.19 ug/L
 RT: 7.029 min Scan# 2309
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

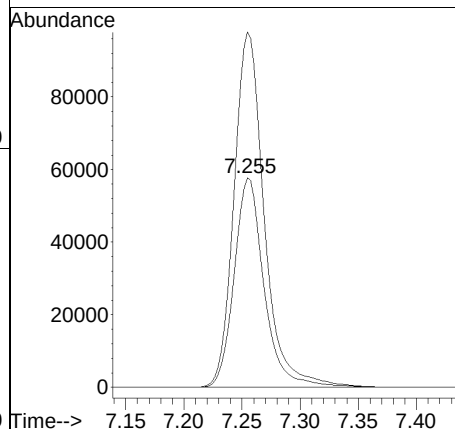
Tgt Ion:	75	Resp:	65658
Ion Ratio	Lower	Upper	
75	100		
77	32.2	25.0	37.4
39	61.7	50.1	75.1

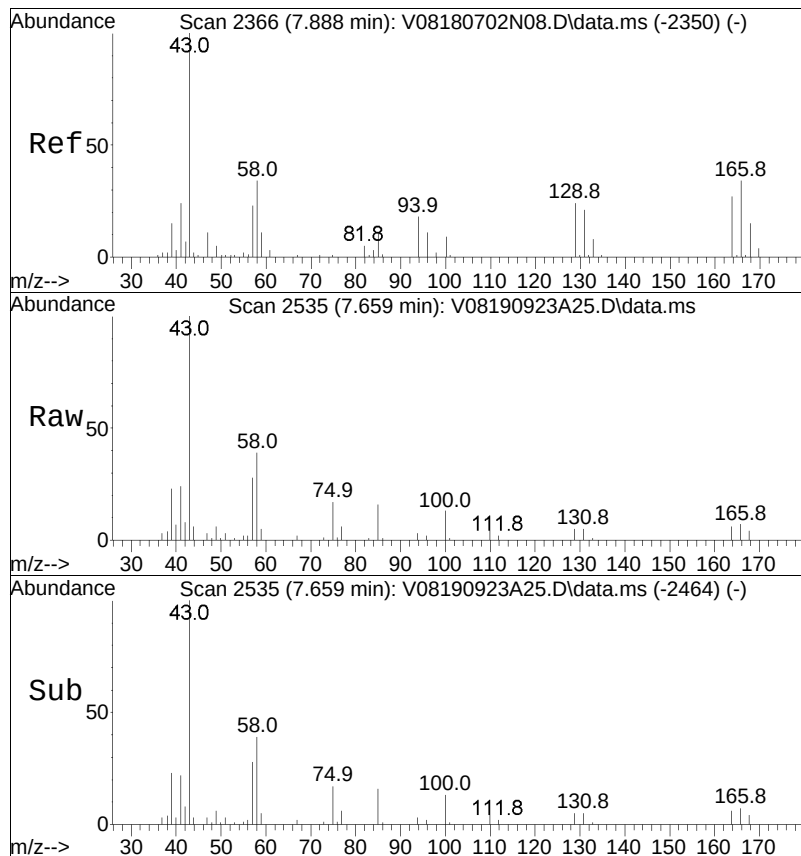




#61
 Toluene
 Concen: 9.83 ug/L
 RT: 7.255 min Scan# 2390
 Delta R.T. -0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

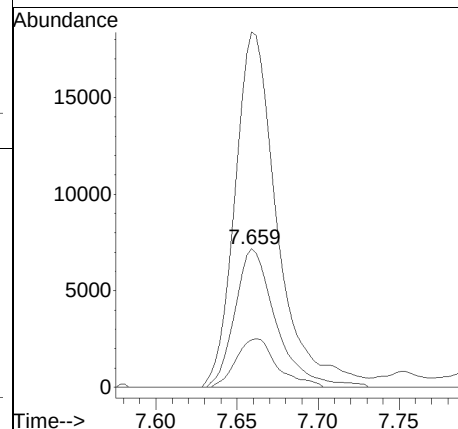
Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.7	139.8	209.6

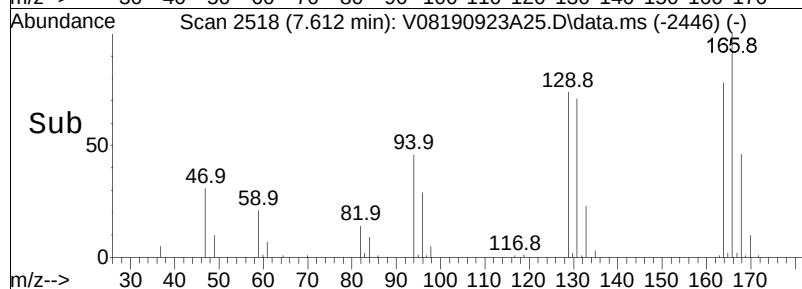
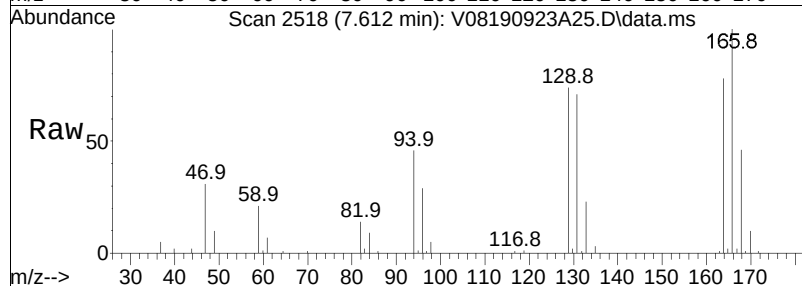
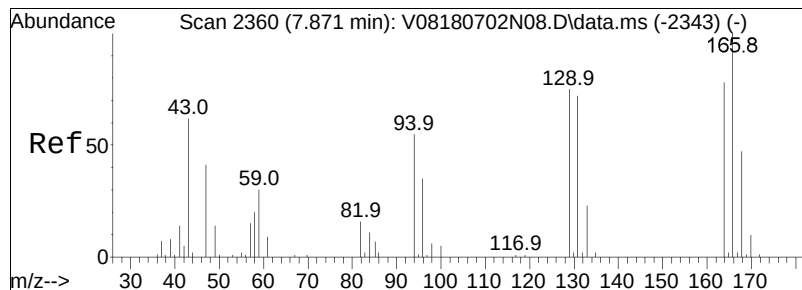




#62
 4-Methyl-2-pentanone
 Concen: 9.76 ug/L
 RT: 7.659 min Scan# 2535
 Delta R.T. -0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

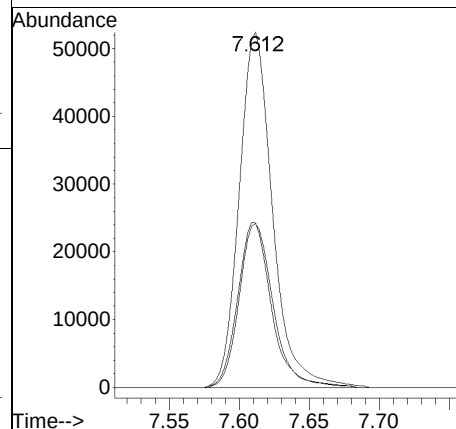
Tgt	Ion	Resp	Lower	Upper
58	100			
100	34.8	20.2	30.2#	
43	262.1	196.6	295.0	

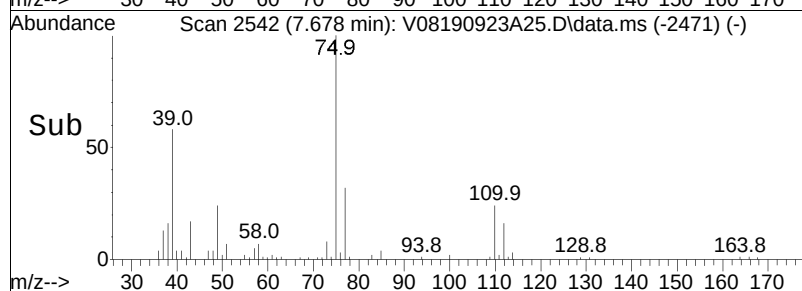
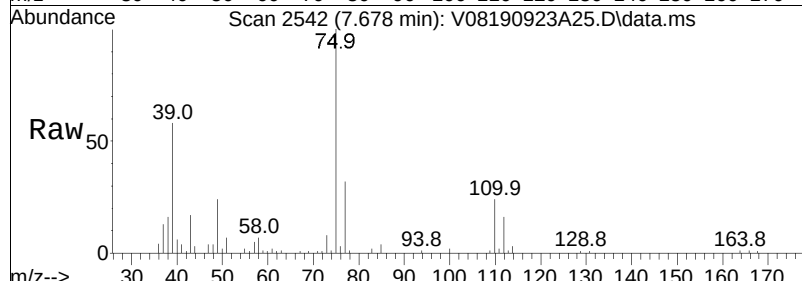
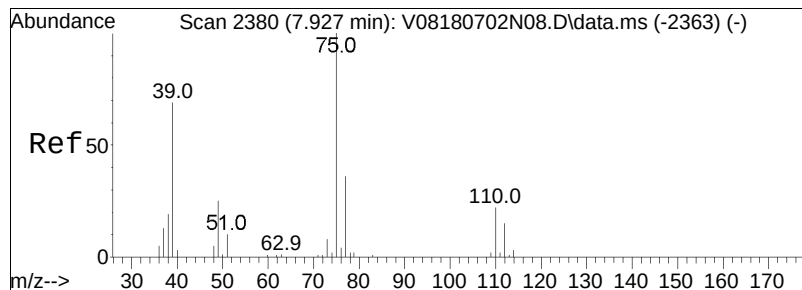




#63
Tetrachloroethene
Concen: 19.50 ug/L
RT: 7.612 min Scan# 2518
Delta R.T. 0.000 min
Lab File: V08190923A25.D
Acq: 23 Sep 2019 16:16

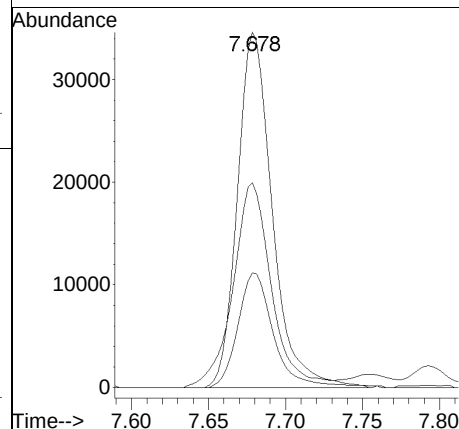
Tgt Ion	Ratio	Lower	Upper
166	100		
168	47.1	28.2	68.2
94	47.0	38.4	78.4

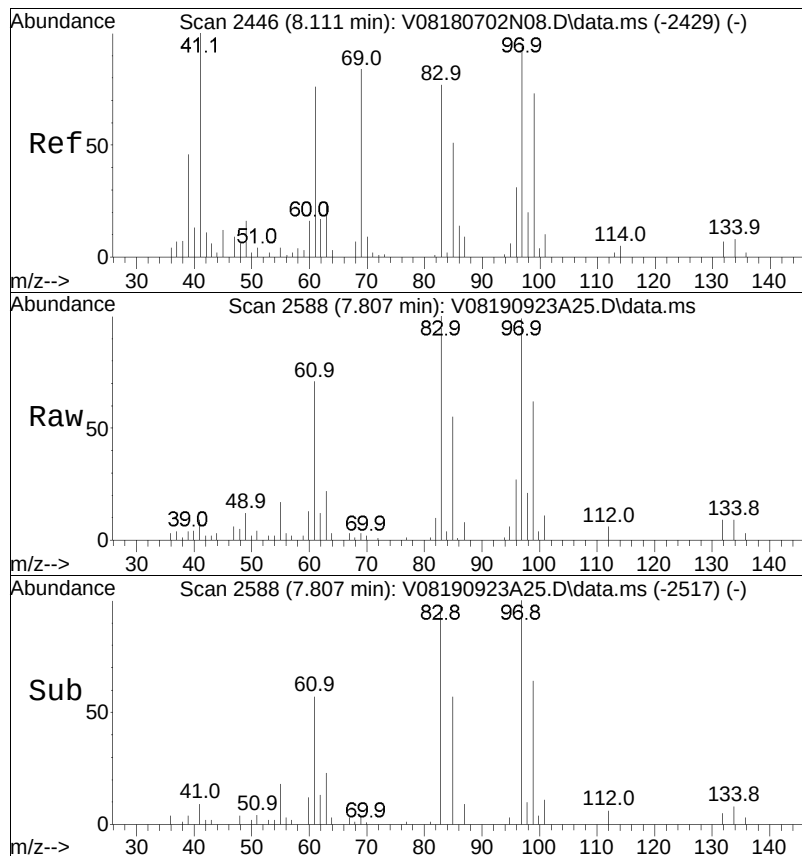




#65
 trans-1,3-Dichloropropene
 Concen: 8.97 ug/L
 RT: 7.678 min Scan# 2542
 Delta R.T. -0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

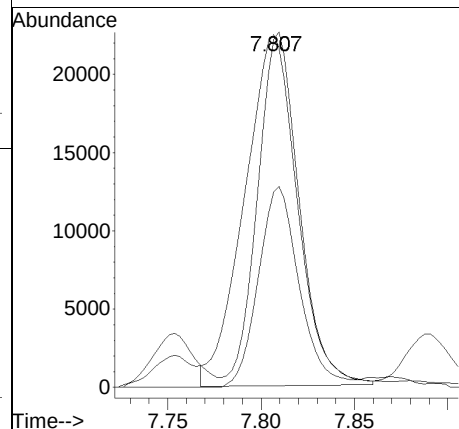
Tgt Ion:	75	Resp:	54541
Ion Ratio	Lower	Upper	
75	100		
77	33.0	12.4	52.4
39	63.2	42.8	82.8

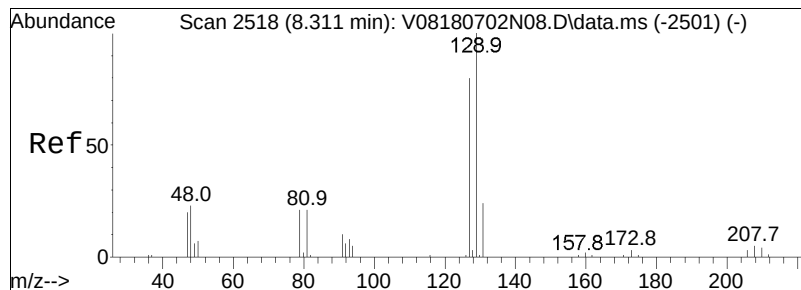




#68
 1,1,2-Trichloroethane
 Concen: 14.85 ug/L
 RT: 7.807 min Scan# 2588
 Delta R.T. -0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

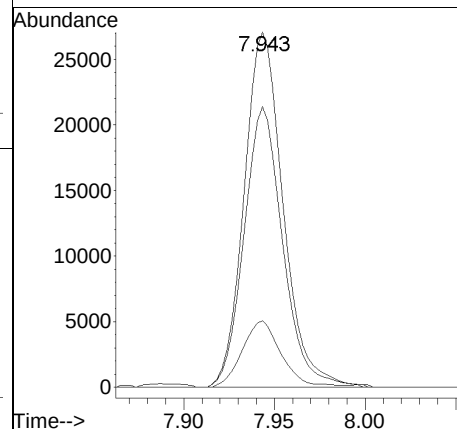
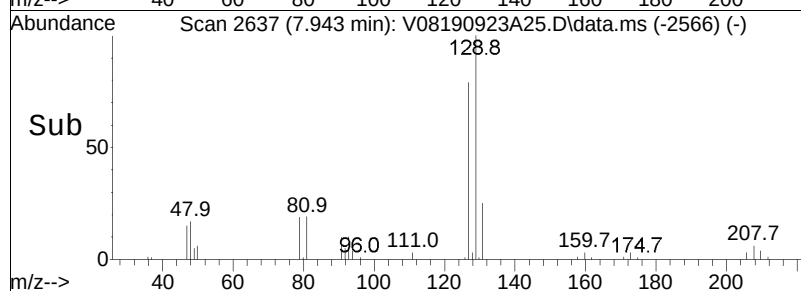
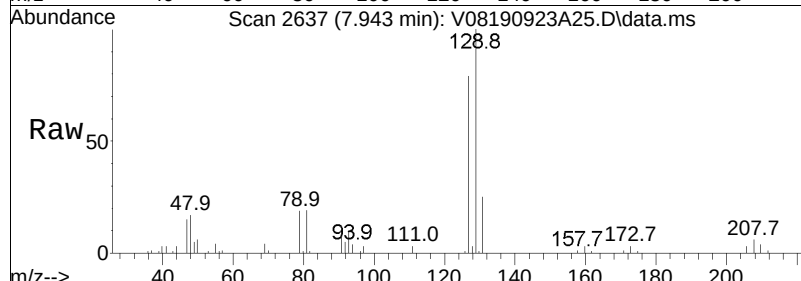
Tgt Ion:	83	Resp:	43935
Ion Ratio	Lower	Upper	
83	100		
97	78.6	89.8	129.8#
85	44.8	44.4	84.4

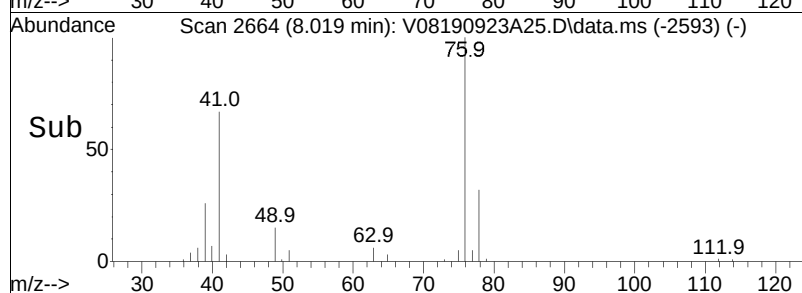
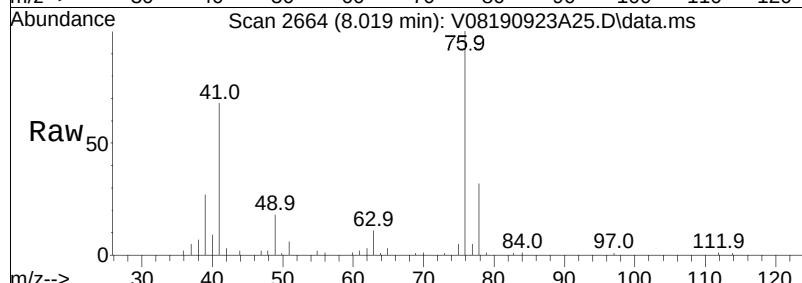
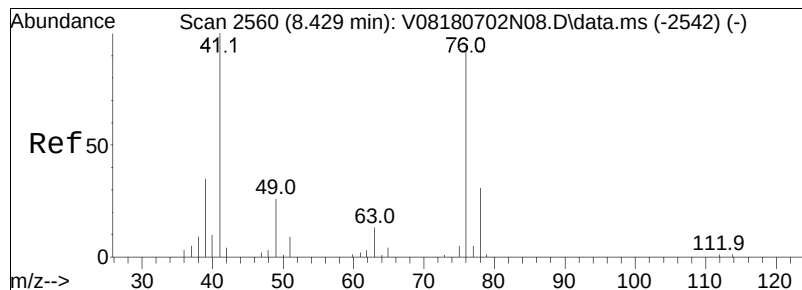




#69
 Chlorodibromomethane
 Concen: 9.44 ug/L
 RT: 7.943 min Scan# 2637
 Delta R.T. -0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

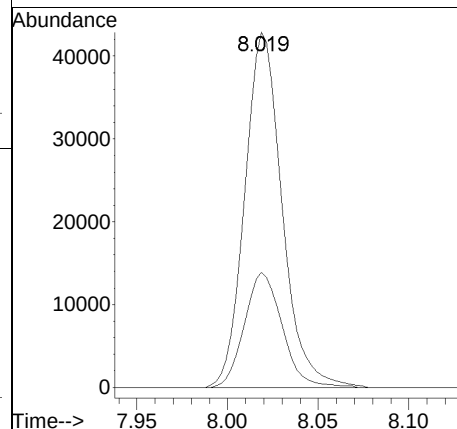
Tgt Ion	Ratio	Lower	Upper
129	100		
81	18.8	2.9	42.9
127	78.3	57.8	97.8

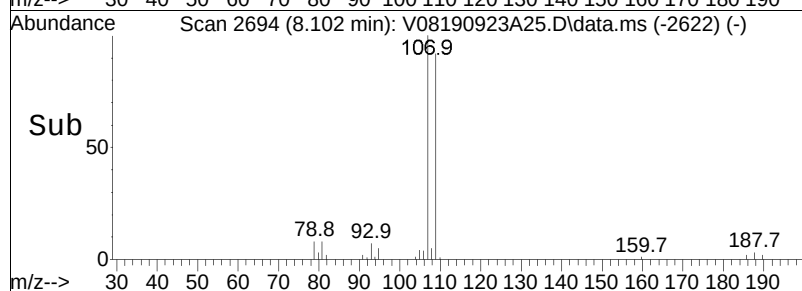
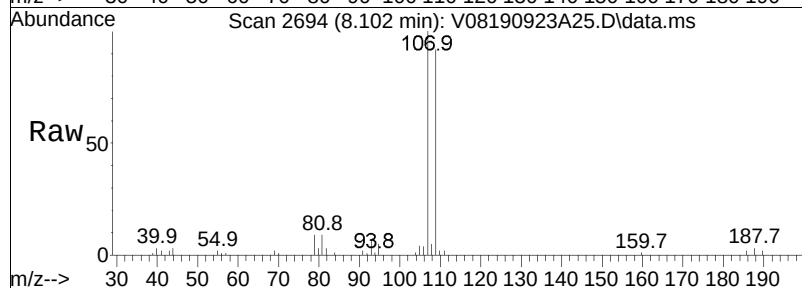
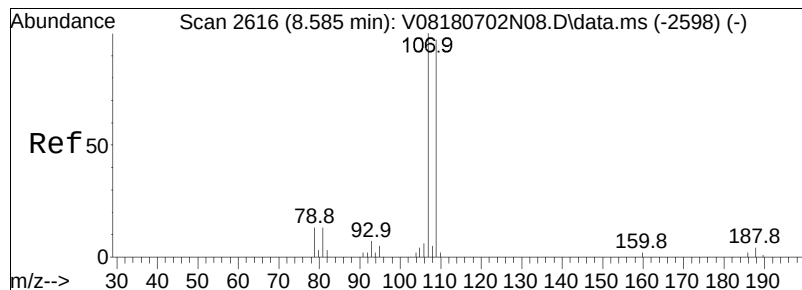




#70
 1,3-Dichloropropane
 Concen: 10.04 ug/L
 RT: 8.019 min Scan# 2664
 Delta R.T. -0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

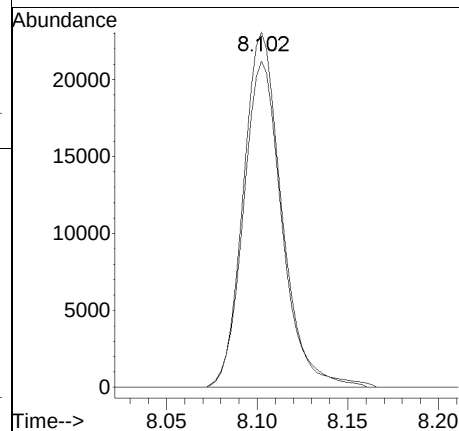
Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.5	38.3

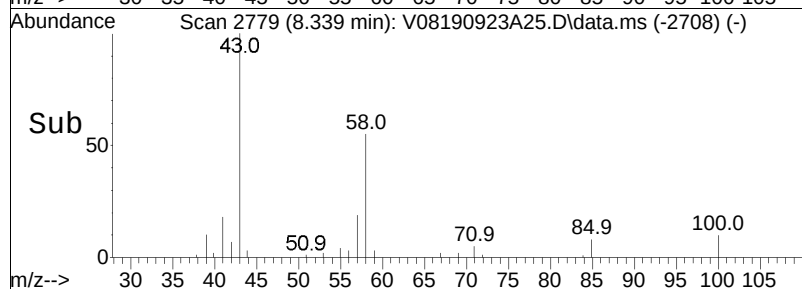
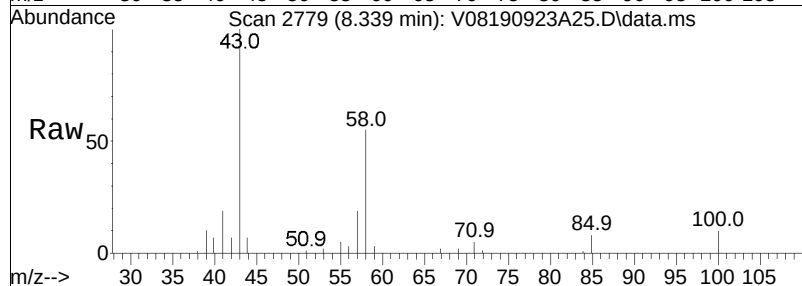
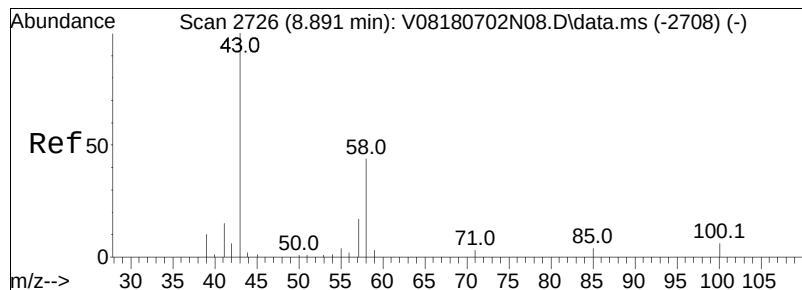




#71
 1,2-Dibromoethane
 Concen: 9.86 ug/L
 RT: 8.102 min Scan# 2694
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.9	74.3	111.5





#72

2-Hexanone

Concen: 9.77 ug/L

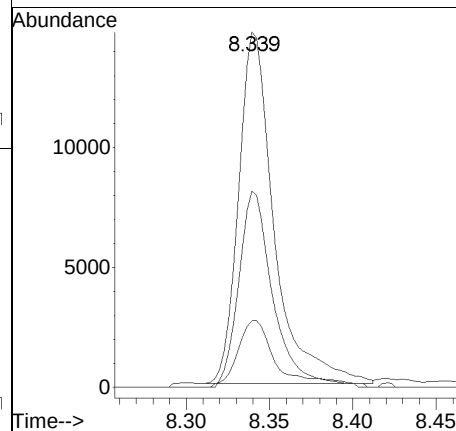
RT: 8.339 min Scan# 2779

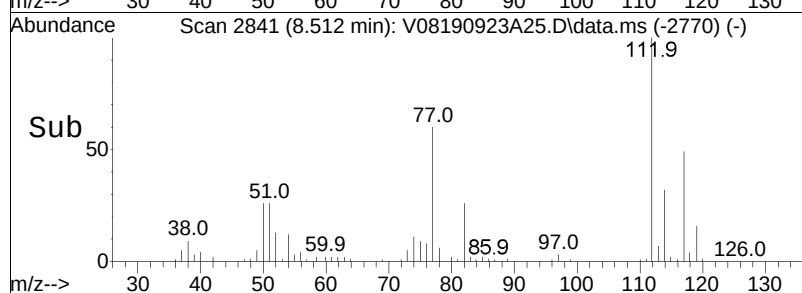
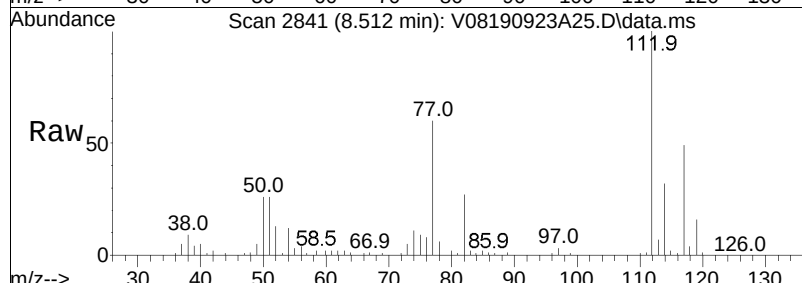
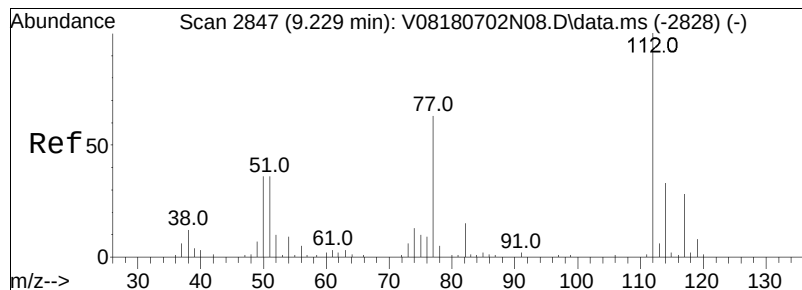
Delta R.T. -0.003 min

Lab File: V08190923A25.D

Acq: 23 Sep 2019 16:16

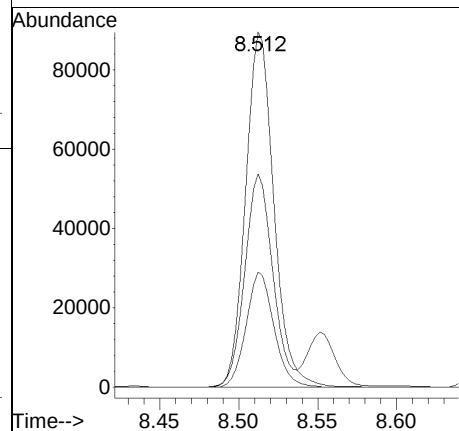
Tgt Ion:	43	Resp:	21886
Ion Ratio	Lower	Upper	
43	100		
58	53.8	41.2	61.8
57	21.4	17.2	25.8

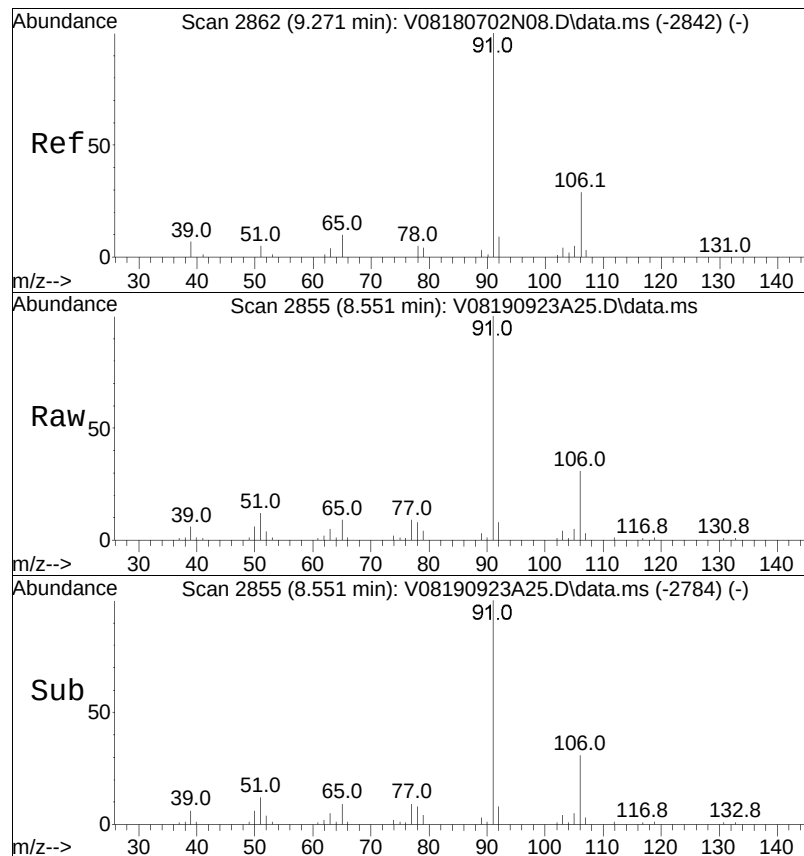




#73
 Chlorobenzene
 Concen: 9.59 ug/L
 RT: 8.512 min Scan# 2841
 Delta R.T. -0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

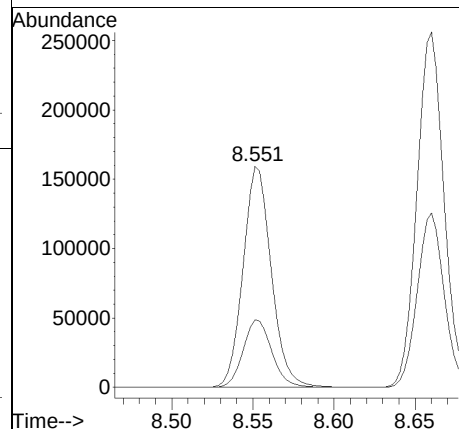
Tgt Ion:	112	Resp:	111696
Ion Ratio	Lower	Upper	
112	100		
77	60.1	55.4	83.0
114	31.9	25.4	38.2

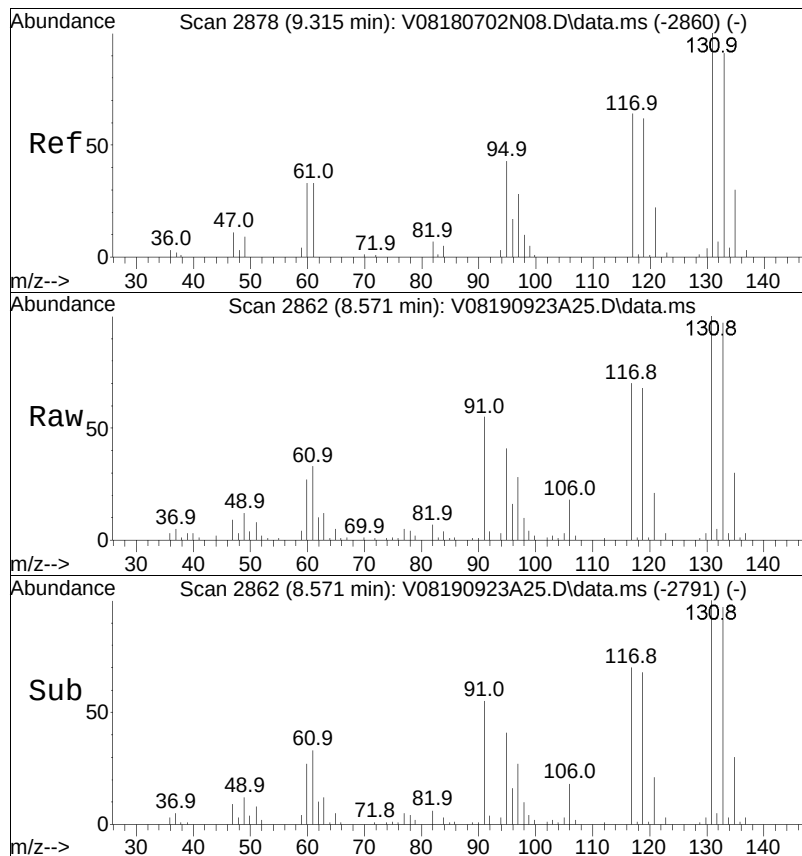




#74
 Ethylbenzene
 Concen: 9.59 ug/L
 RT: 8.551 min Scan# 2855
 Delta R.T. -0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

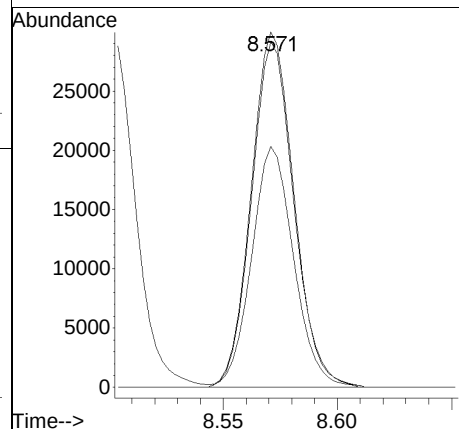
Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.3	36.5

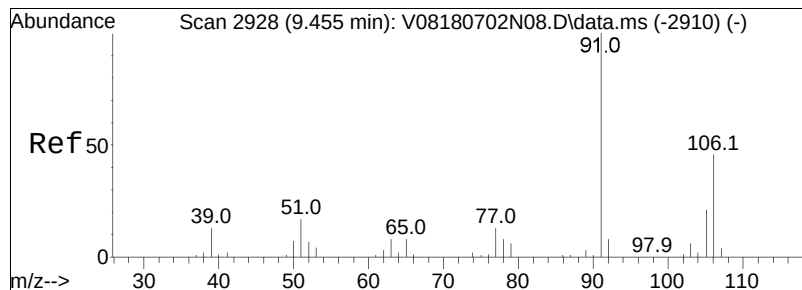




#75
 1,1,1,2-Tetrachloroethane
 Concen: 9.18 ug/L
 RT: 8.571 min Scan# 2862
 Delta R.T. -0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

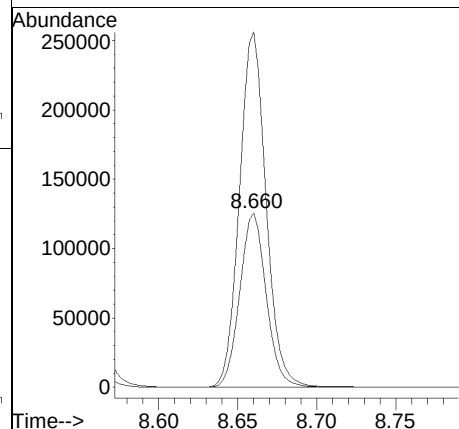
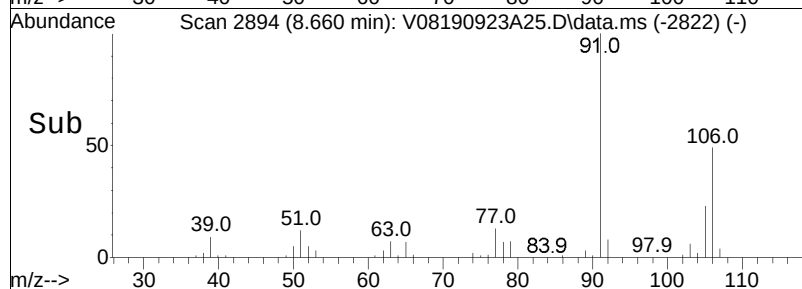
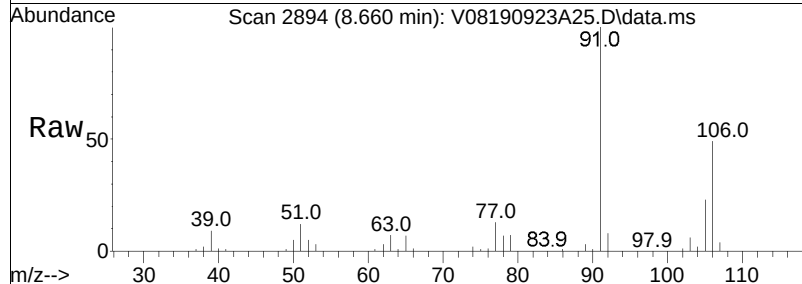
Tgt Ion	Ratio	Resp	Lower	Upper
131	100	39087		
133	96.4		81.0	121.0
119	66.8		41.3	81.3

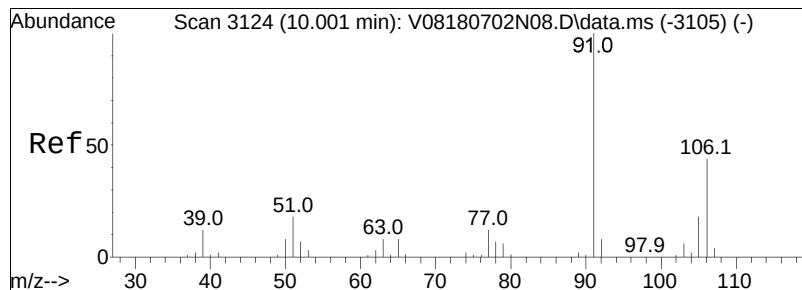




#76
 p/m Xylene
 Concen: 19.16 ug/L
 RT: 8.660 min Scan# 2894
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

Tgt Ion	Ratio	Lower	Upper
106	100		
91	204.1	166.4	249.6





#77

o Xylene

Concen: 19.47 ug/L

RT: 8.942 min Scan# 2995

Delta R.T. -0.003 min

Lab File: V08190923A25.D

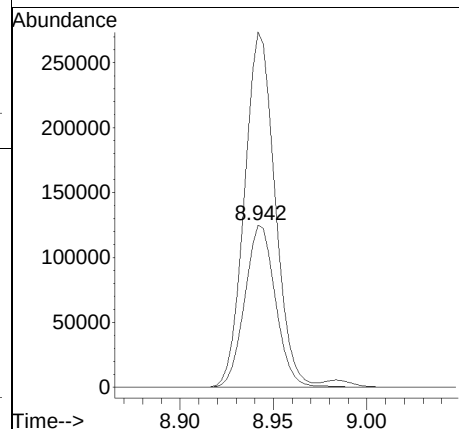
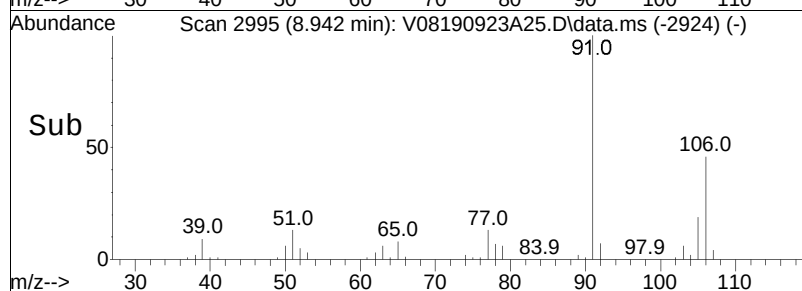
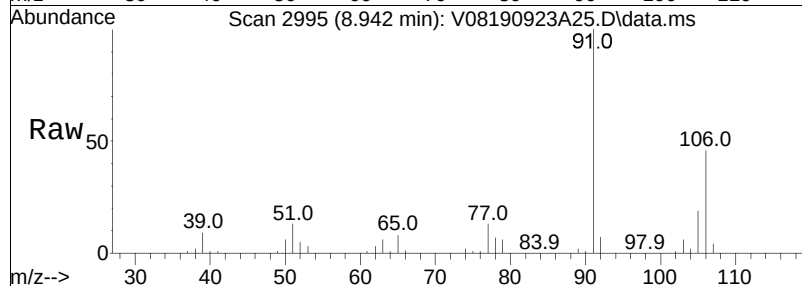
Acq: 23 Sep 2019 16:16

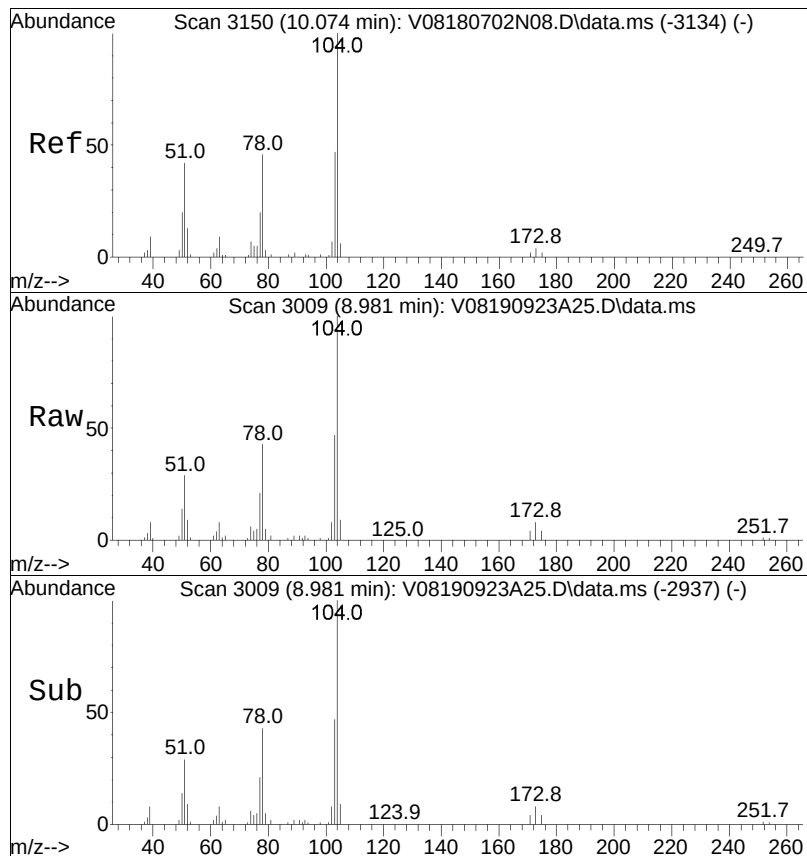
Tgt Ion:106 Resp: 143312

Ion Ratio Lower Upper

106 100

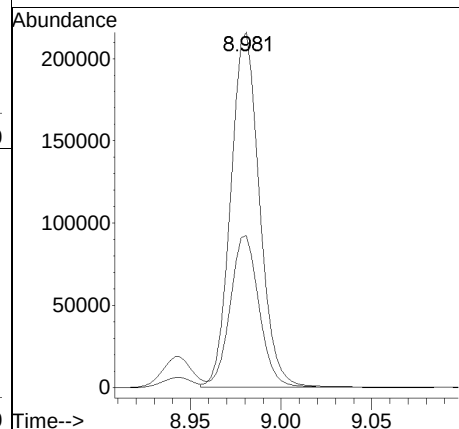
91 216.7 182.6 273.8

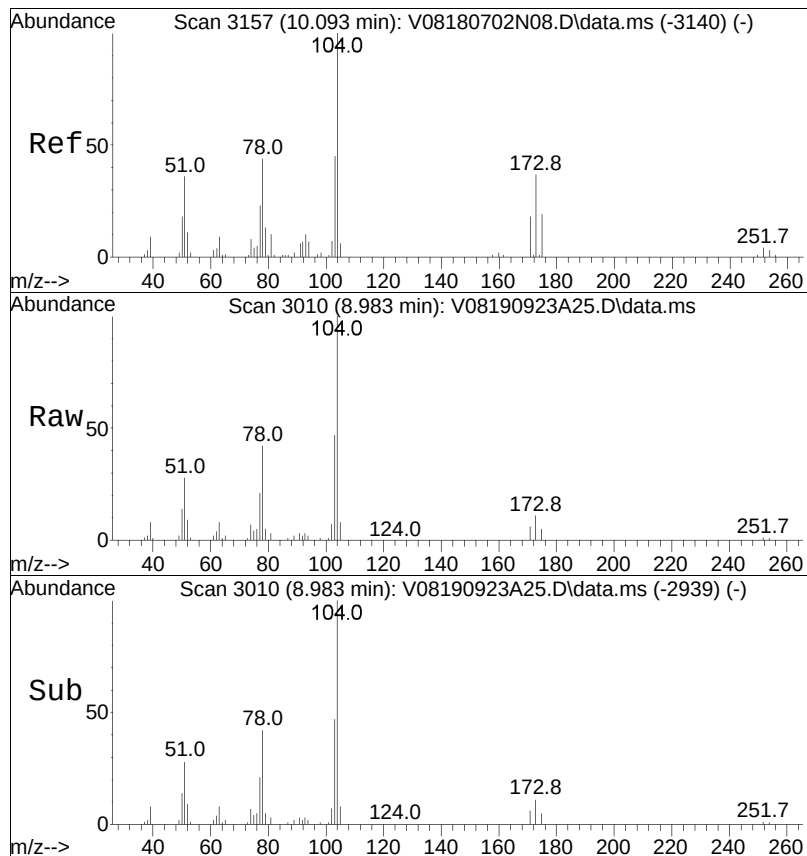




#78
 Styrene
 Concen: 19.48 ug/L
 RT: 8.981 min Scan# 3009
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

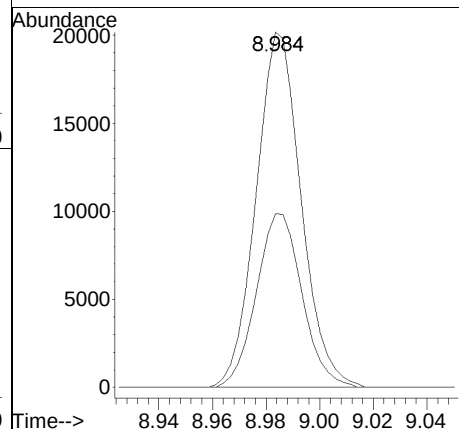
Tgt Ion	Ratio	Lower	Upper
104	100		
78	43.2	39.8	59.6

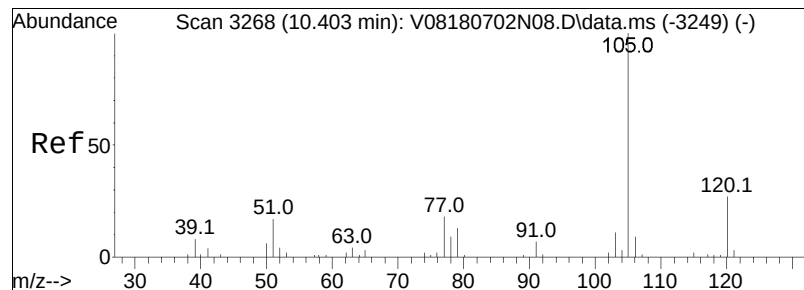




#80
 Bromoform
 Concen: 8.67 ug/L
 RT: 8.983 min Scan# 3010
 Delta R.T. -0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

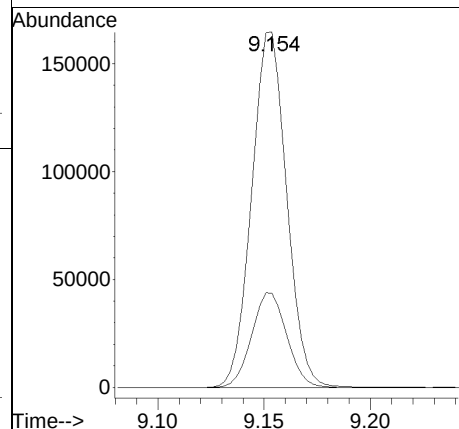
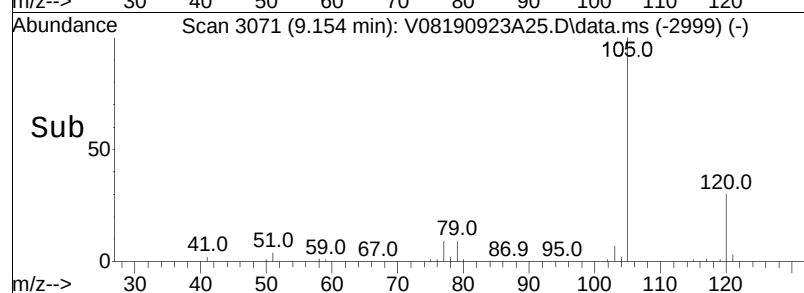
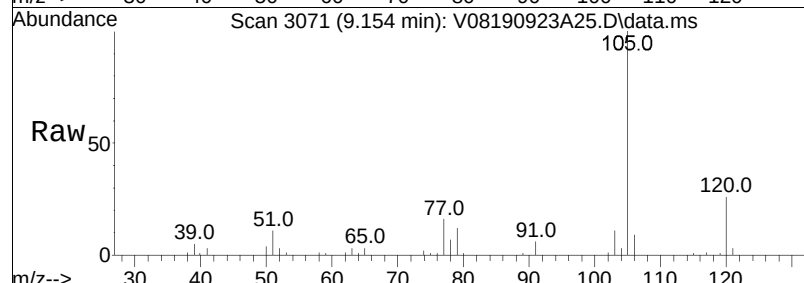
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.6	31.5	71.5

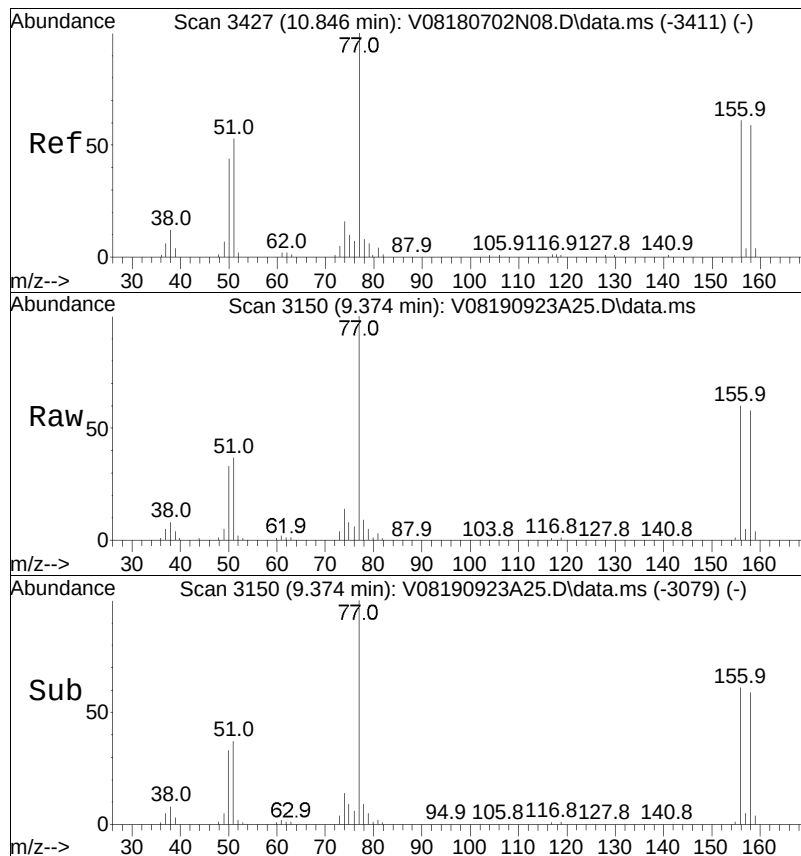




#82
 Isopropylbenzene
 Concen: 9.29 ug/L
 RT: 9.154 min Scan# 3071
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

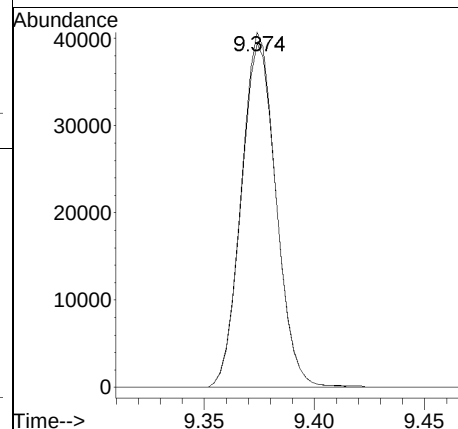
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	4.8	44.8

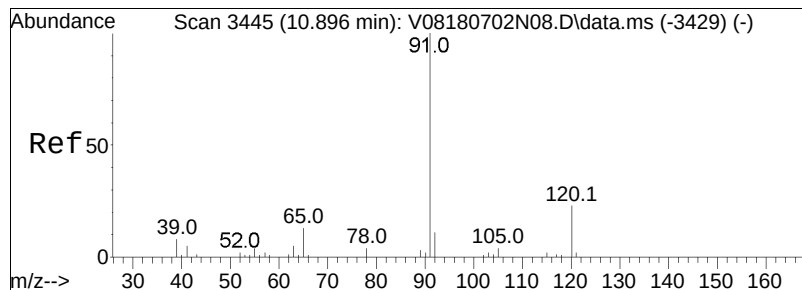




#84
 Bromobenzene
 Concen: 9.05 ug/L
 RT: 9.374 min Scan# 3150
 Delta R.T. -0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

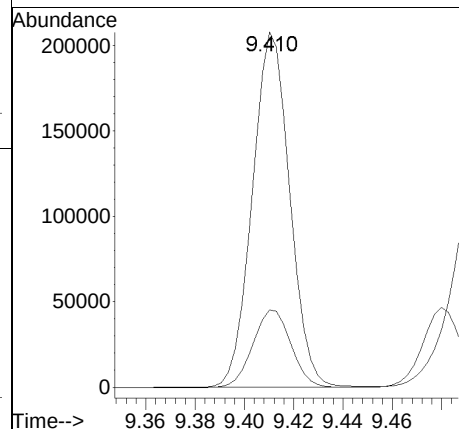
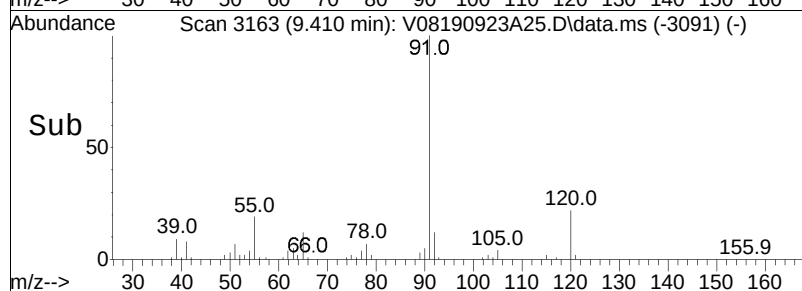
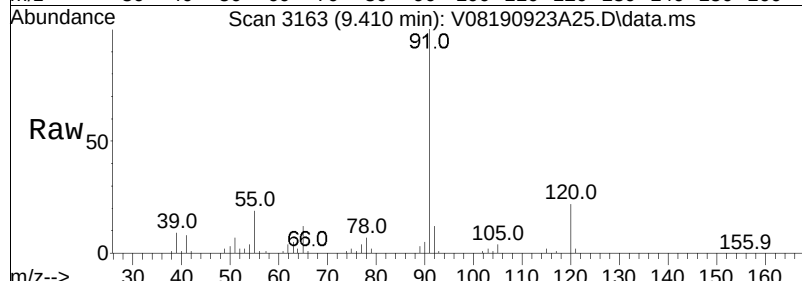
Tgt Ion	Ratio	Lower	Upper
156	100		
158	97.6	75.9	113.9

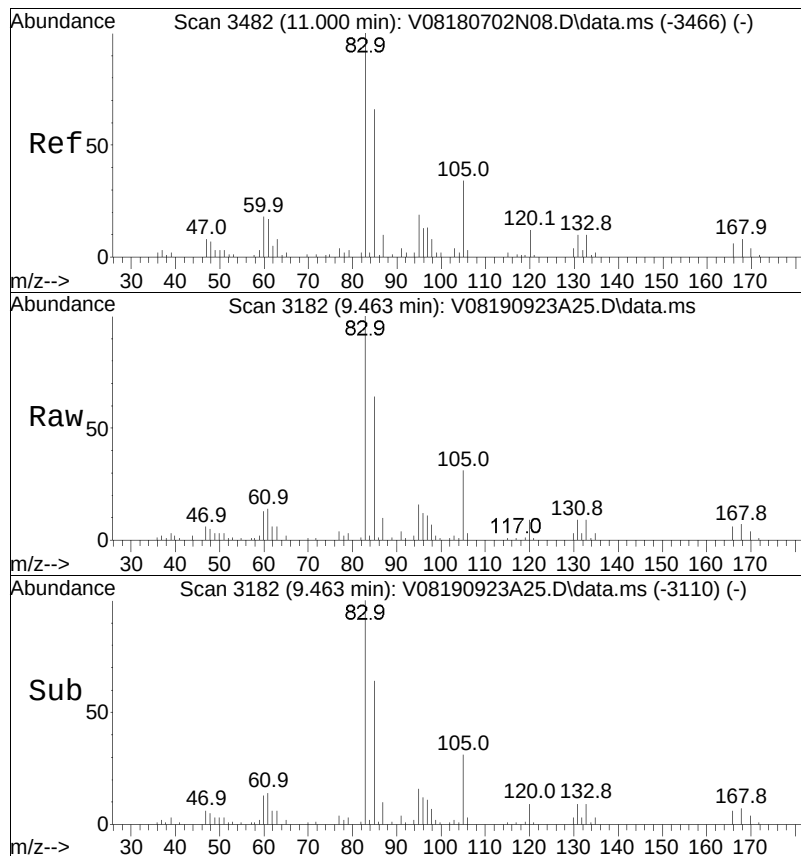




#85
 n-Propylbenzene
 Concen: 9.32 ug/L
 RT: 9.410 min Scan# 3163
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

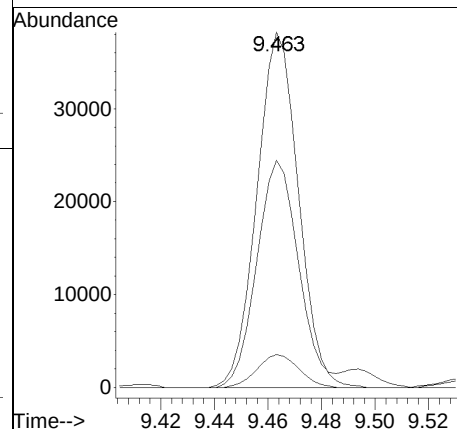
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	17.0	25.6

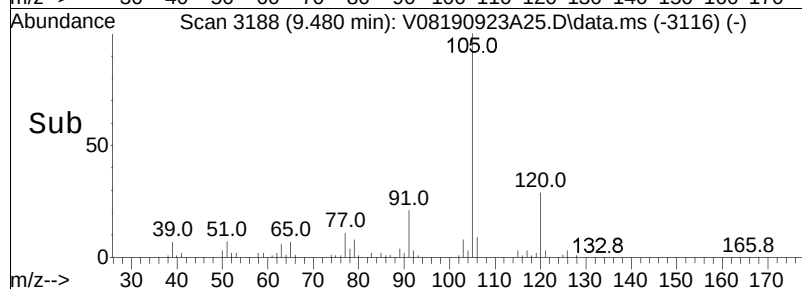
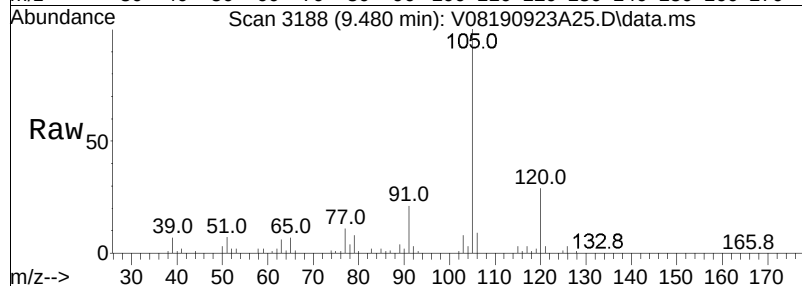
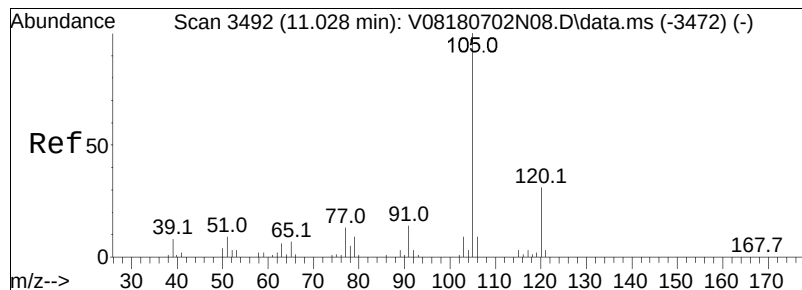




#87
 1,1,2,2-Tetrachloroethane
 Concen: 9.61 ug/L
 RT: 9.463 min Scan# 3182
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

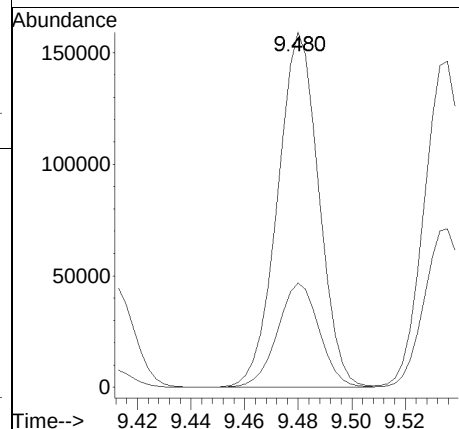
Tgt	Ion: 83	Resp:	41090
Ion	Ratio	Lower	Upper
83	100		
131	9.3	0.0	30.4
85	64.8	45.4	85.4

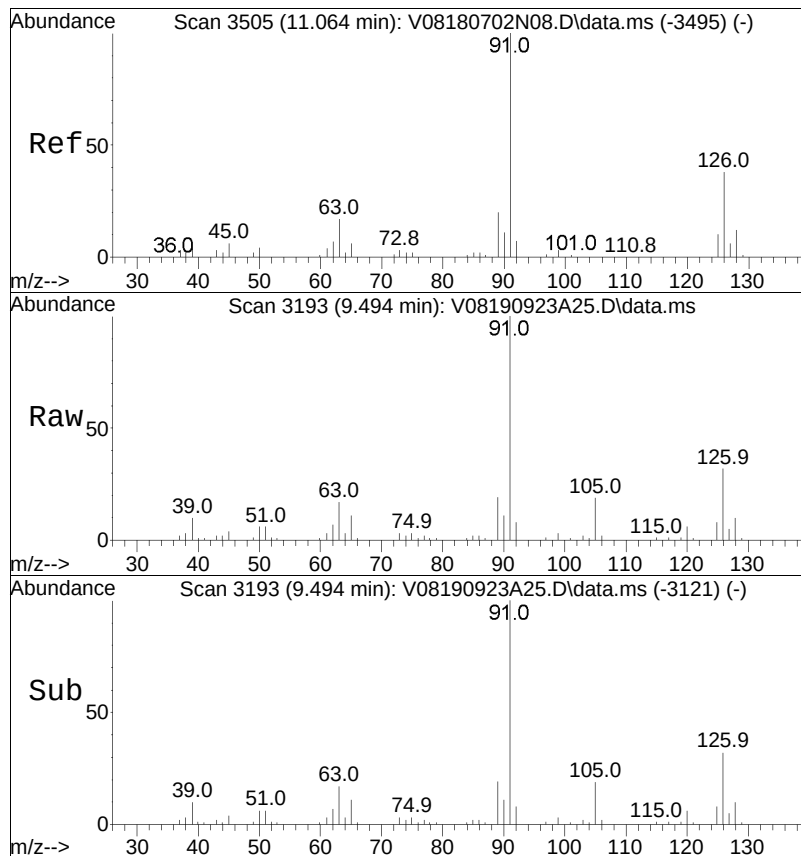




#88
 4-Ethyltoluene
 Concen: 9.15 ug/L
 RT: 9.480 min Scan# 3188
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

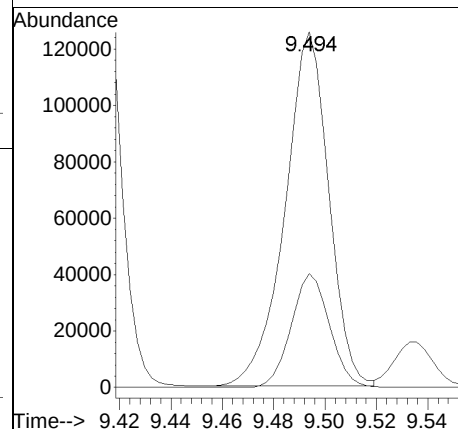
Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.6	18.1	37.7

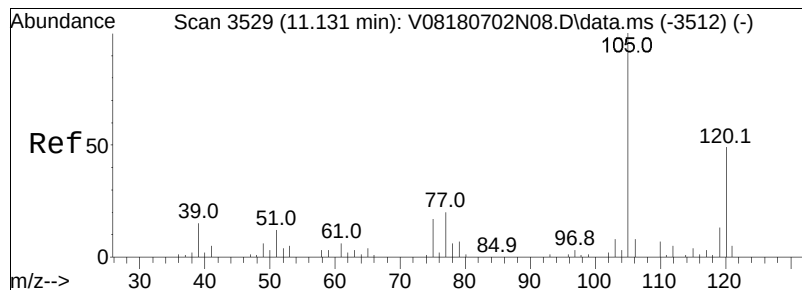




#89
 2-Chlorotoluene
 Concen: 9.28 ug/L
 RT: 9.494 min Scan# 3193
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

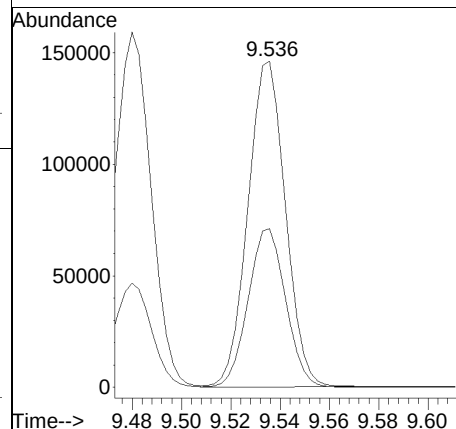
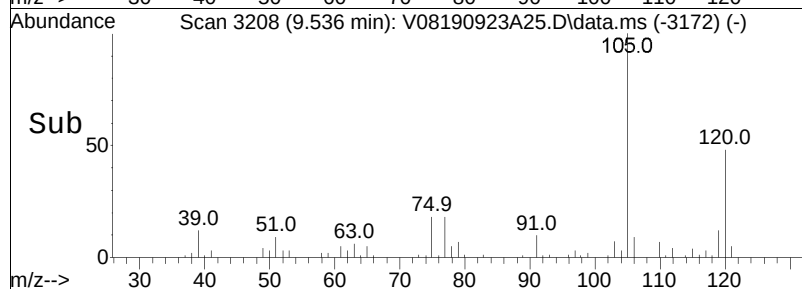
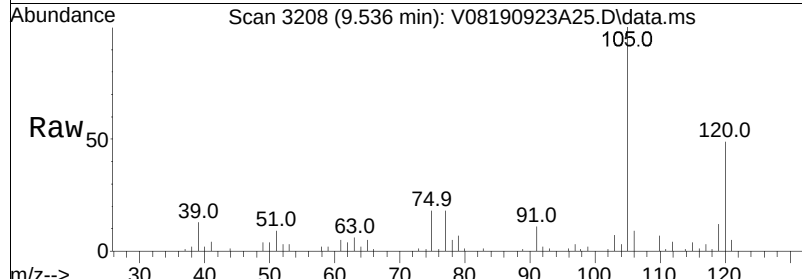
Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.1	21.5	32.3

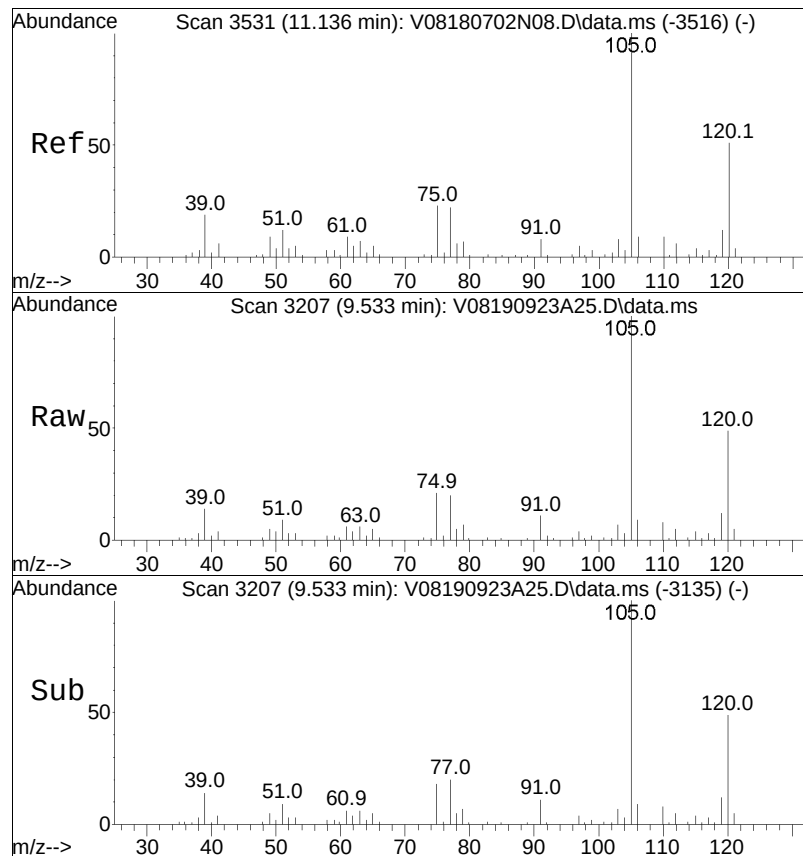




#90
 1,3,5-Trimethylbenzene
 Concen: 9.47 ug/L
 RT: 9.536 min Scan# 3208
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

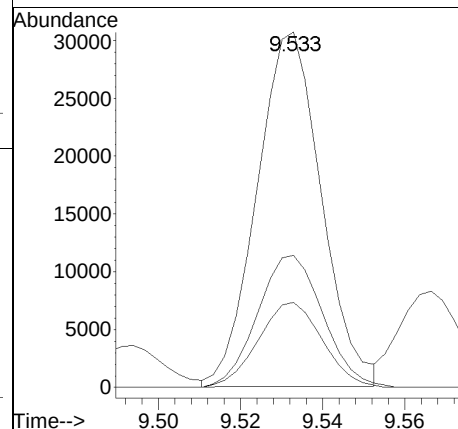
Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.5	34.8	52.2

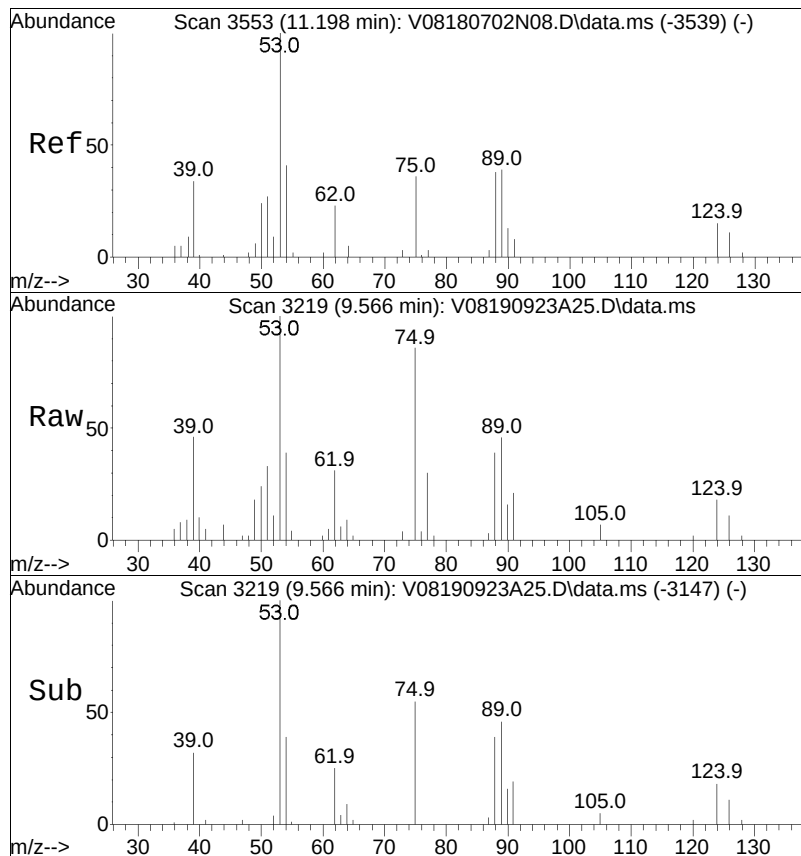




#91
 1,2,3-Trichloropropane
 Concen: 10.34 ug/L
 RT: 9.533 min Scan# 3207
 Delta R.T. -0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

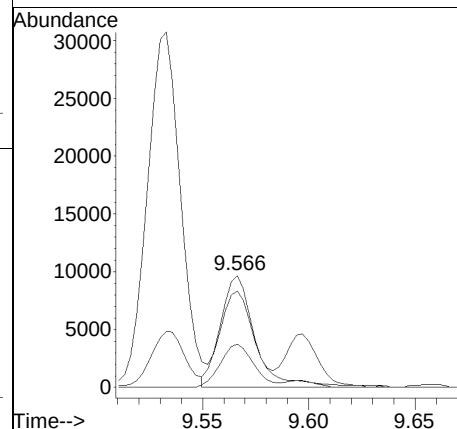
Tgt Ion:	75	Resp:	33399
Ion Ratio	Lower	Upper	
75	100		
110	37.8	25.4	52.8
112	23.9	15.6	32.4

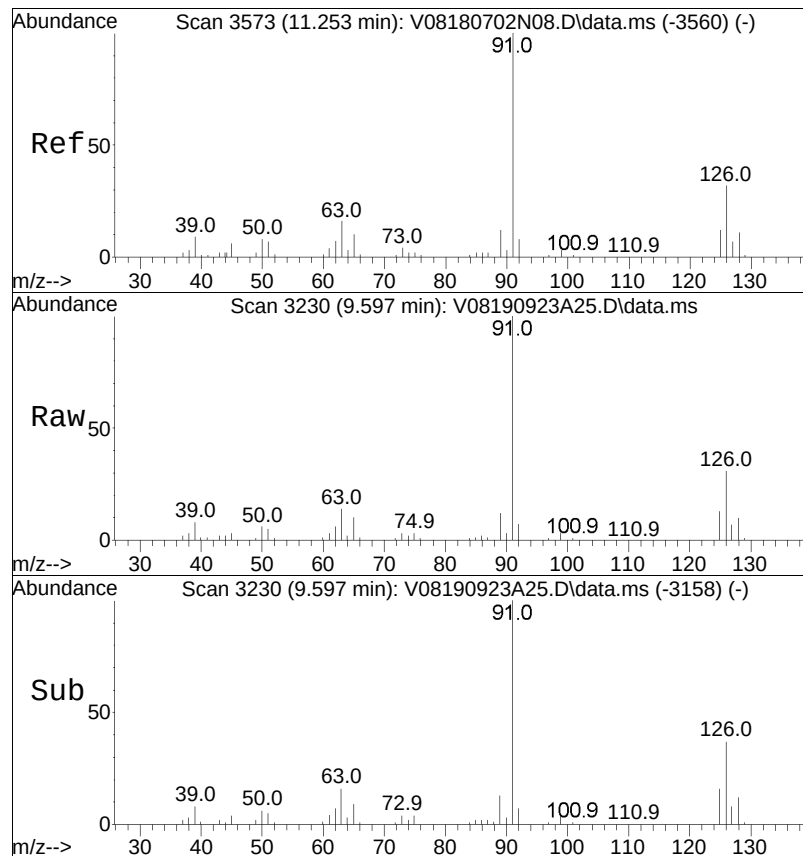




#92
 trans-1,4-Dichloro-2-butene
 Concen: 9.98 ug/L
 RT: 9.566 min Scan# 3219
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

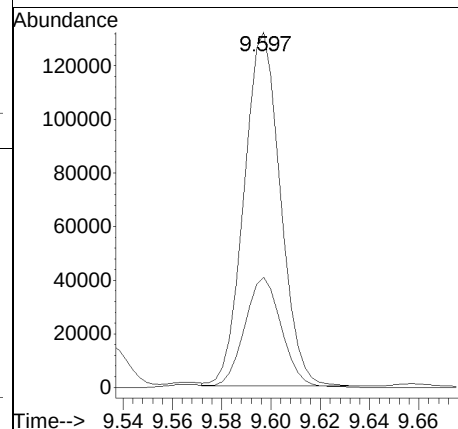
Tgt Ion	Ratio	Lower	Upper
53	100		
88	37.2	39.6	59.4#
75	79.5	70.2	105.4

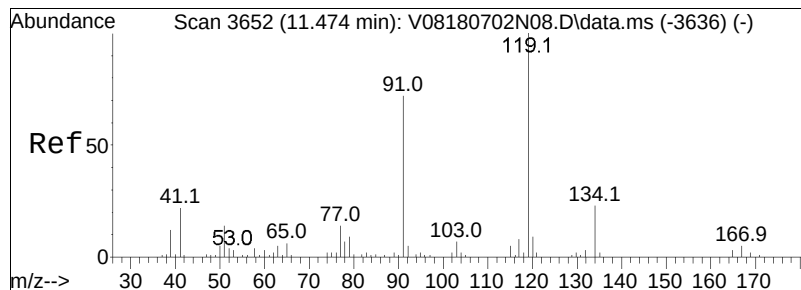




#93
 4-Chlorotoluene
 Concen: 9.37 ug/L
 RT: 9.597 min Scan# 3230
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

Tgt	Ion	Resp	Lower	Upper
91	100	135398		
126	31.7	24.6	36.8	





#94

tert-Butylbenzene

Concen: 8.45 ug/L

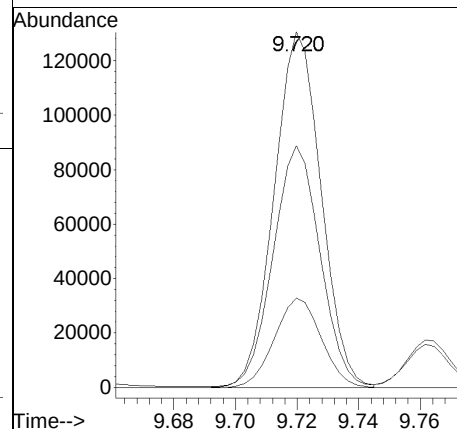
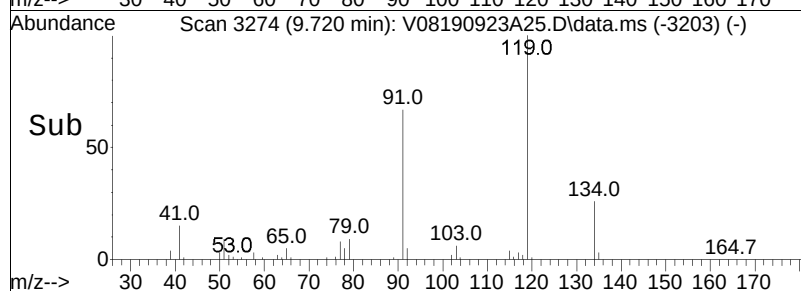
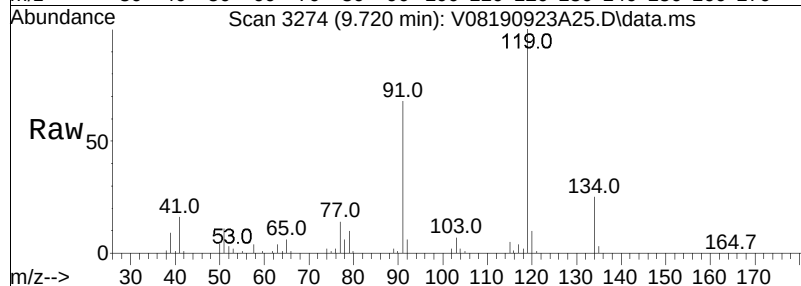
RT: 9.720 min Scan# 3274

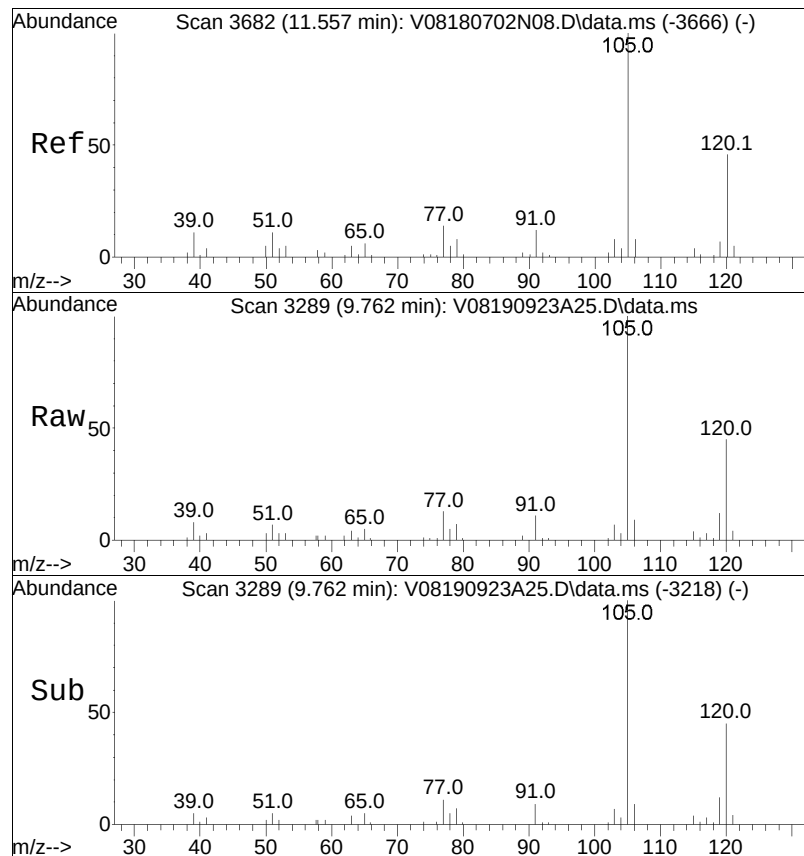
Delta R.T. -0.003 min

Lab File: V08190923A25.D

Acq: 23 Sep 2019 16:16

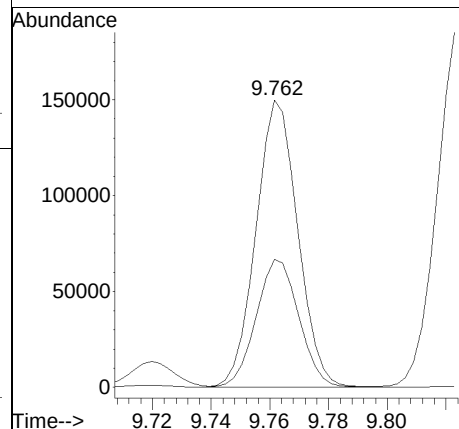
Tgt	Ion:119	Resp:	138027
Ion	Ratio	Lower	Upper
119	100		
91	67.8	51.4	77.2
134	25.0	18.3	27.5

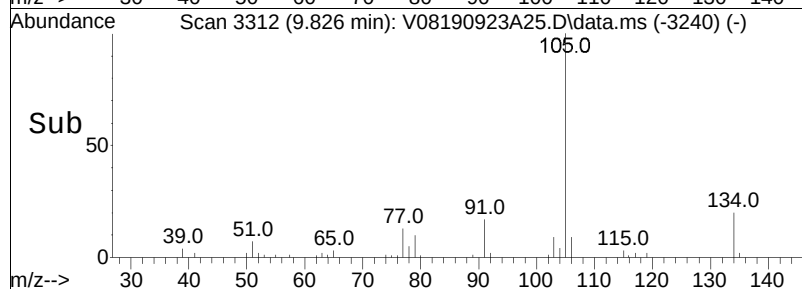
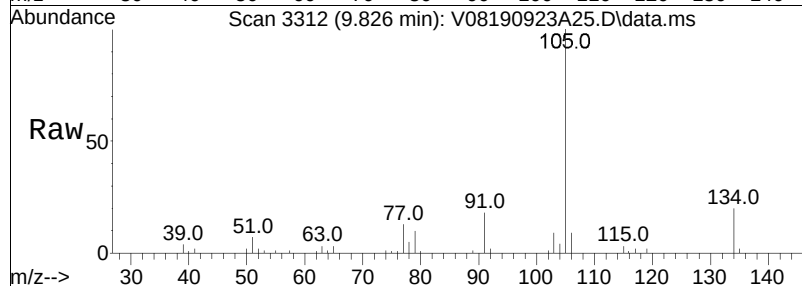
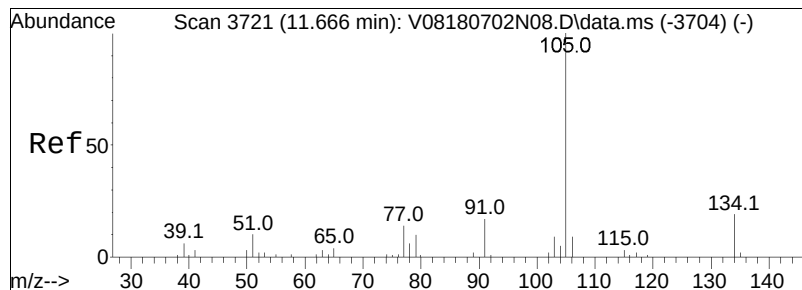




#97
 1,2,4-Trimethylbenzene
 Concen: 9.15 ug/L
 RT: 9.762 min Scan# 3289
 Delta R.T. -0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

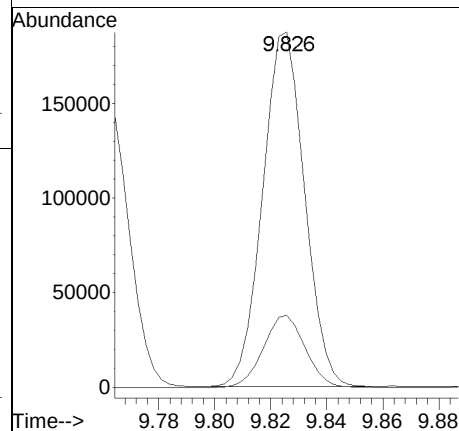
Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	45.3	33.4	50.0	

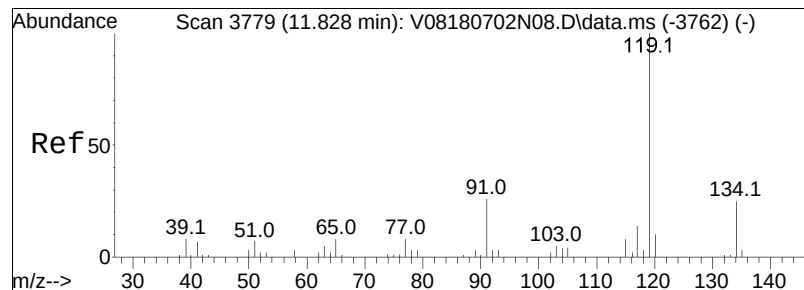




#98
 sec-Butylbenzene
 Concen: 10.09 ug/L
 RT: 9.826 min Scan# 3312
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

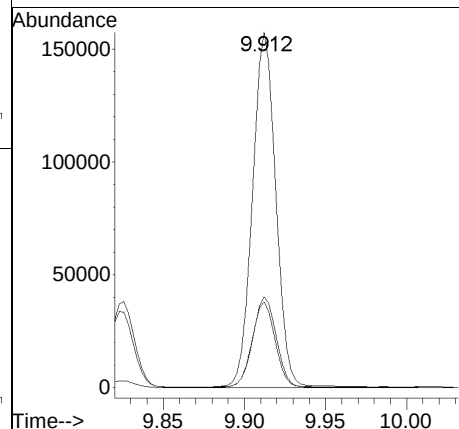
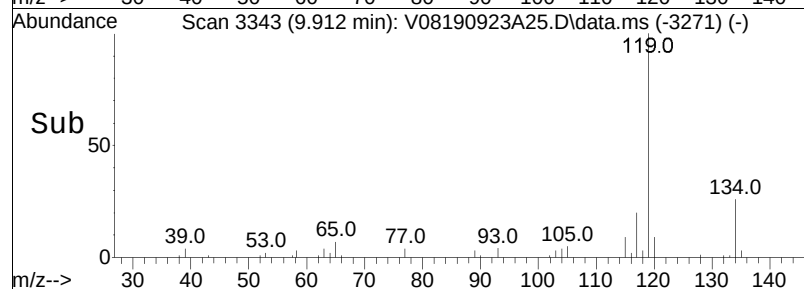
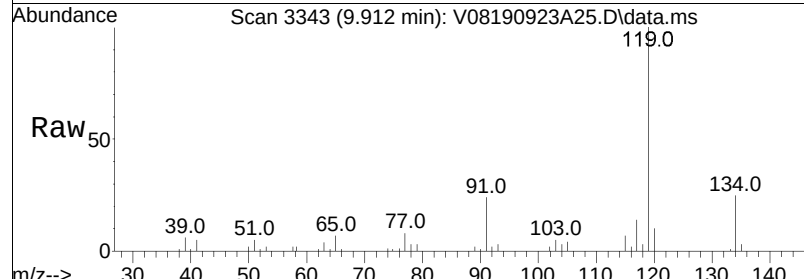
Tgt	Ion	Ratio	Lower	Upper
105	100			
134	20.3	12.5	26.1	

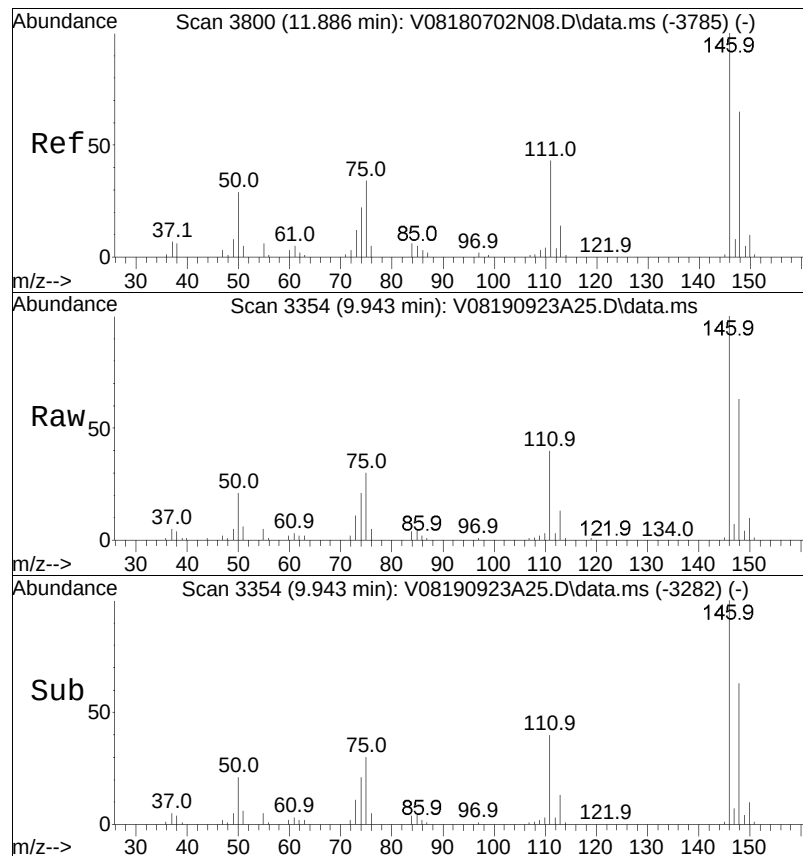




#99
 p-Isopropyltoluene
 Concen: 9.17 ug/L
 RT: 9.912 min Scan# 3343
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

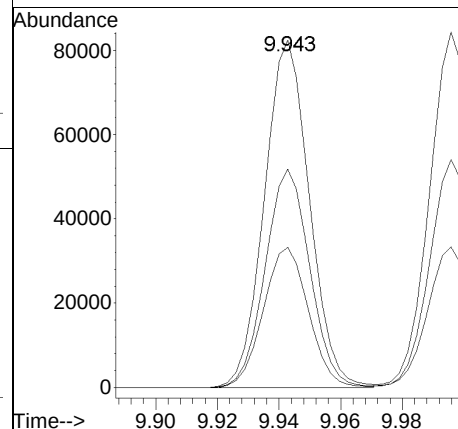
Tgt Ion:	119	Resp:	157812
Ion Ratio	Lower	Upper	
119	100		
134	25.6	16.1	33.3
91	23.5	17.3	35.9

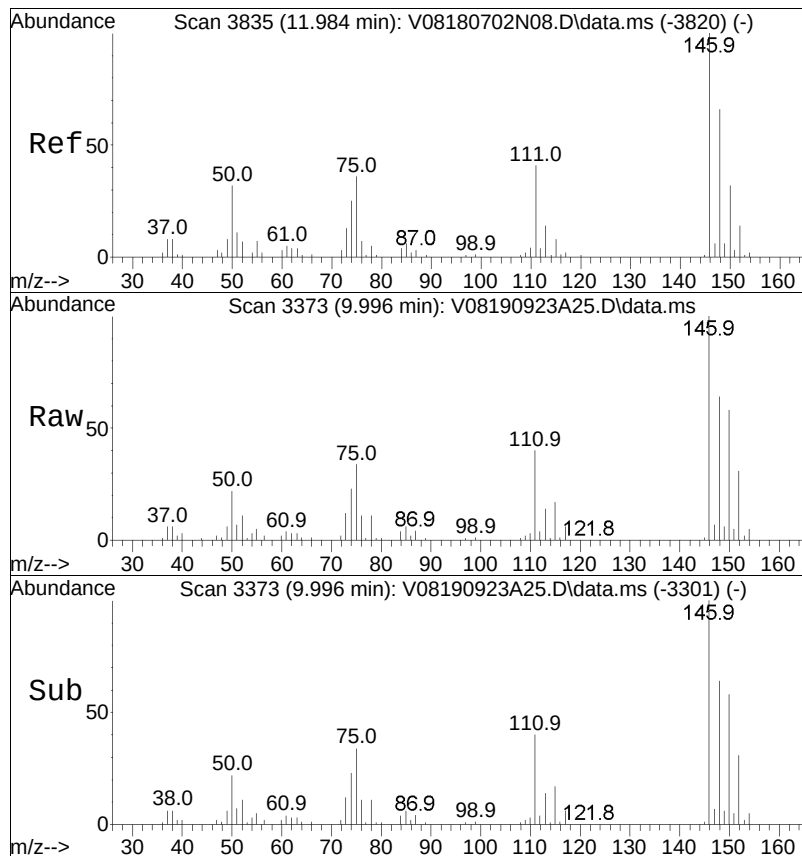




#100
 1,3-Dichlorobenzene
 Concen: 9.16 ug/L
 RT: 9.943 min Scan# 3354
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

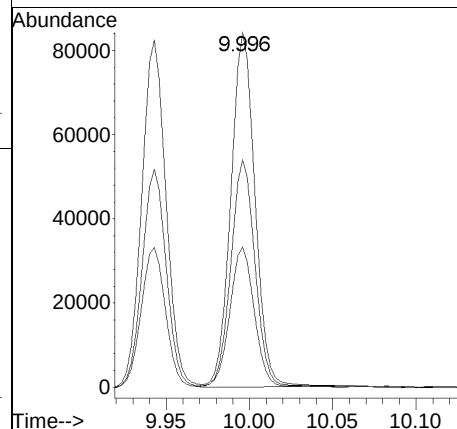
Tgt Ion:	146	Resp:	83459
Ion Ratio	Lower	Upper	
146	100		
111	40.4	27.5	57.1
148	62.4	41.9	86.9

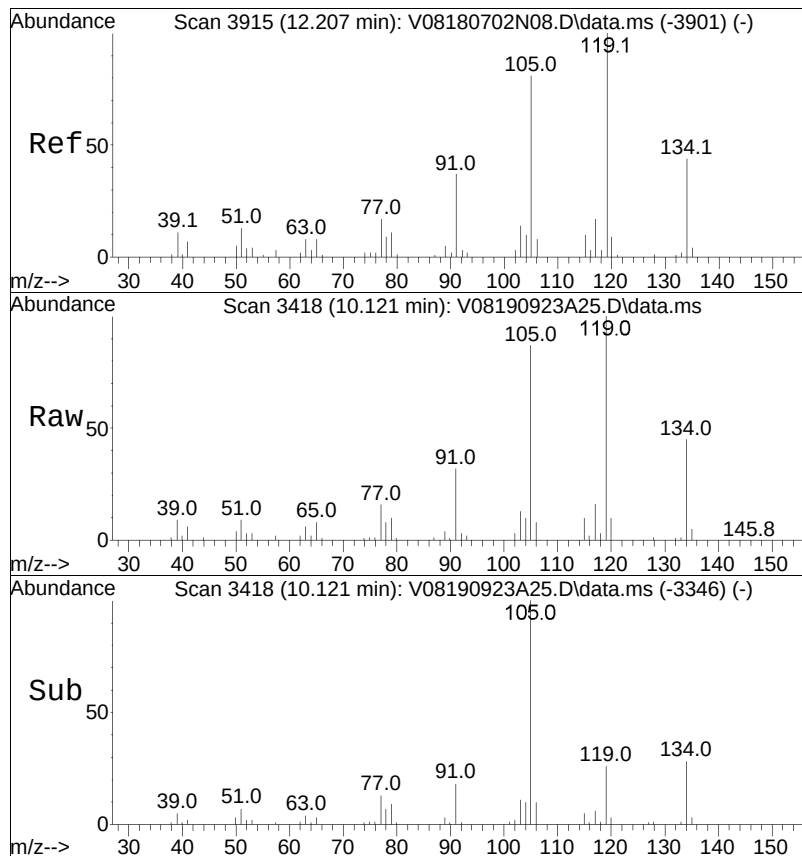




#101
 1,4-Dichlorobenzene
 Concen: 9.07 ug/L
 RT: 9.996 min Scan# 3373
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

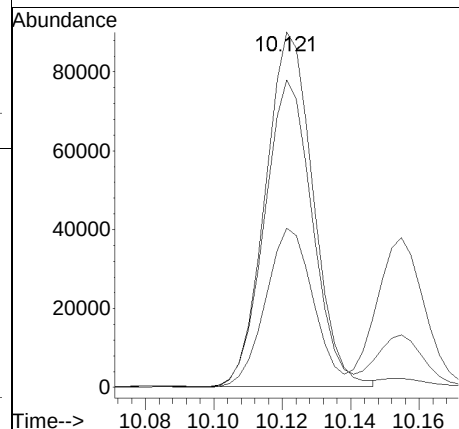
Tgt Ion:	146	Resp:	85032
Ion Ratio	Lower	Upper	
146	100		
111	40.6	32.3	48.5
148	64.1	49.9	74.9

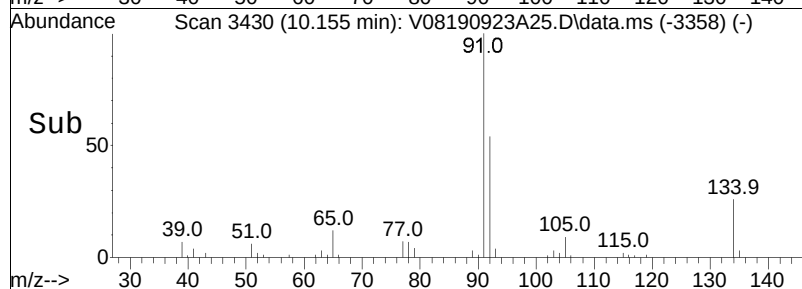
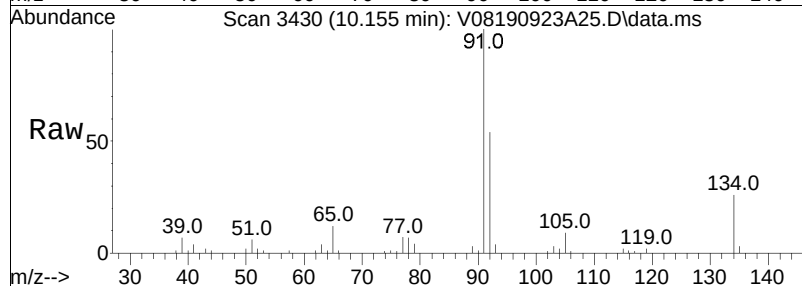
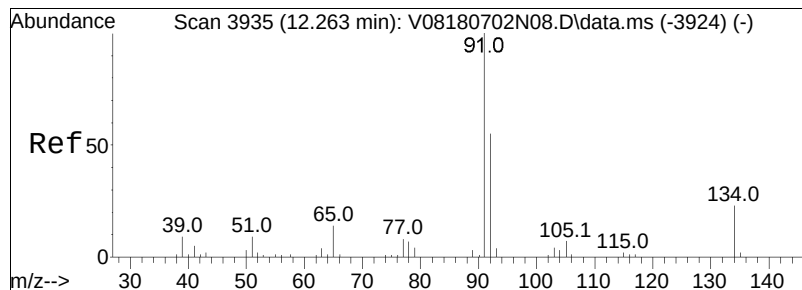




#102
 p-Diethylbenzene
 Concen: 8.87 ug/L
 RT: 10.121 min Scan# 3418
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

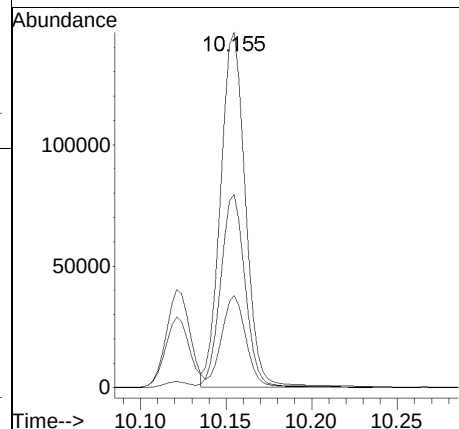
Tgt Ion:	119	Resp:	87164
Ion Ratio	Lower	Upper	
119	100		
105	86.5	59.5	123.7
134	44.9	30.2	62.6

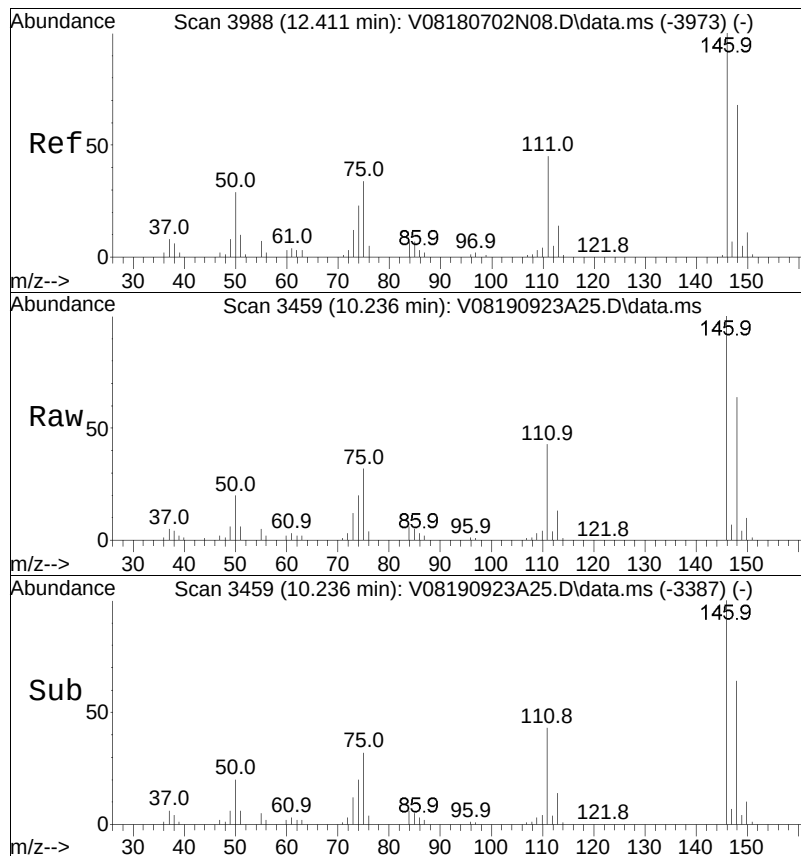




#103
 n-Butylbenzene
 Concen: 9.32 ug/L
 RT: 10.155 min Scan# 3430
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

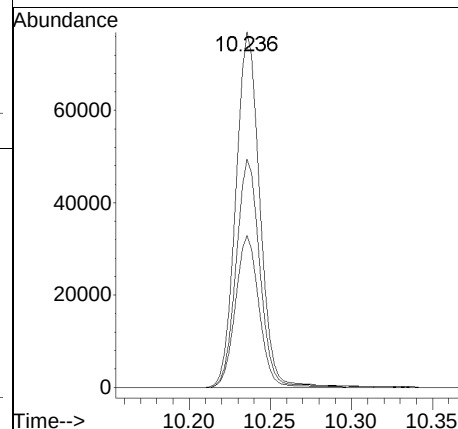
Tgt Ion:	91	92	134
Resp:	147494		
Ratio	100	54.3	25.0
Lower		43.0	19.6
Upper		64.4	29.4

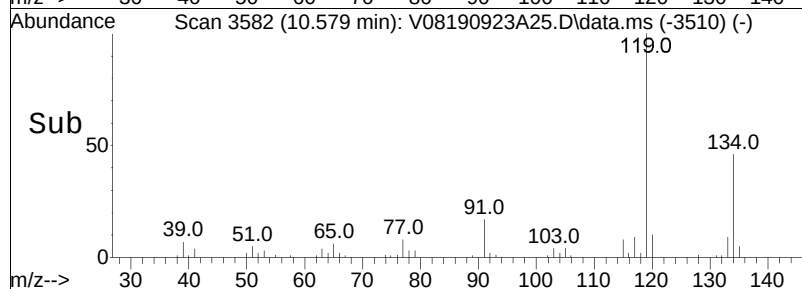
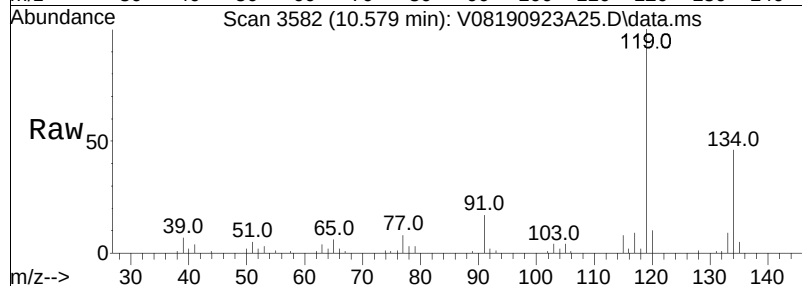
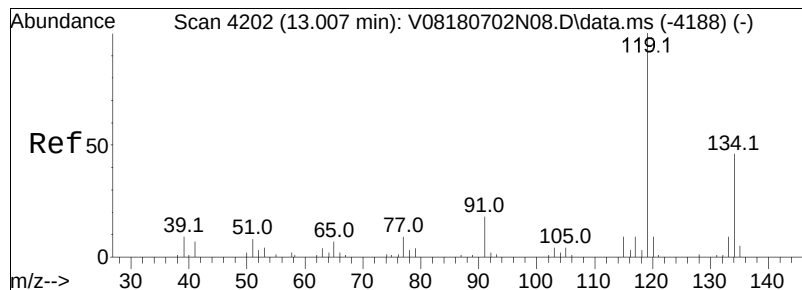




#104
 1,2-Dichlorobenzene
 Concen: 9.17 ug/L
 RT: 10.236 min Scan# 3459
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

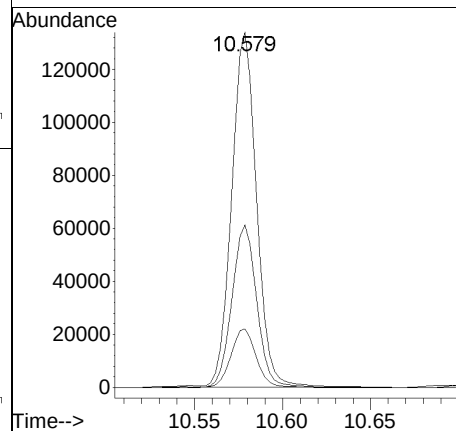
Tgt Ion:	146	Resp:	79306
Ion Ratio	Lower	Upper	
146	100		
111	42.1	28.3	58.7
148	64.0	42.3	87.8

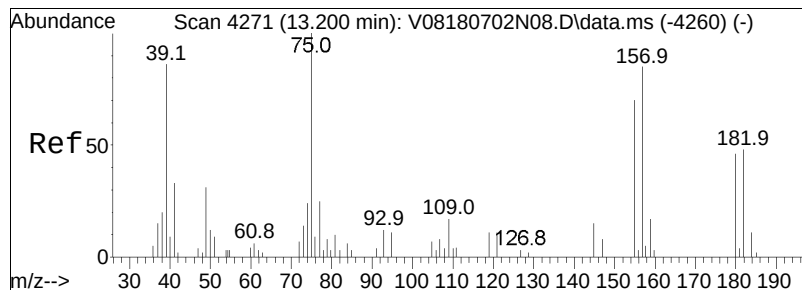




#105
 1,2,4,5-Tetramethylbenzene
 Concen: 8.78 ug/L
 RT: 10.579 min Scan# 3582
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

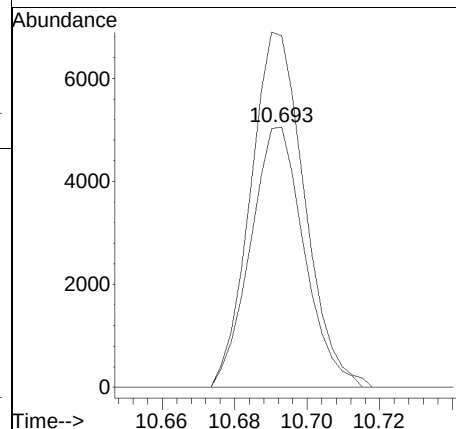
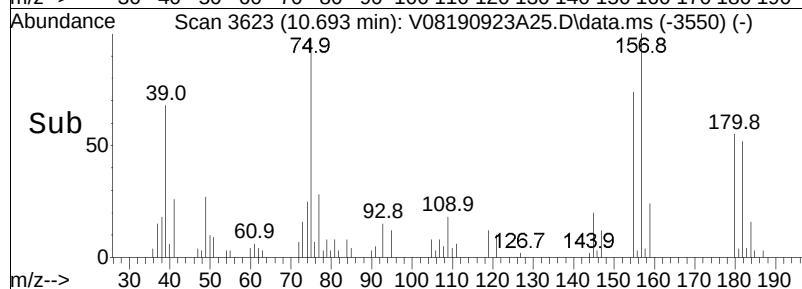
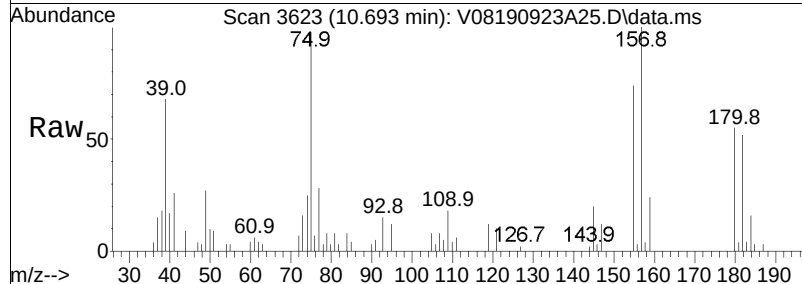
Tgt Ion:	119	Resp:	130987
Ion Ratio	Lower	Upper	
119	100		
134	45.8	30.5	63.3
91	16.8	12.4	25.7

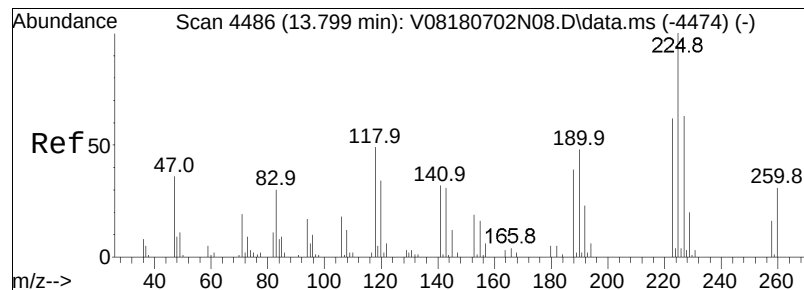




#106
 1,2-Dibromo-3-chloropropane
 Concen: 8.55 ug/L
 RT: 10.693 min Scan# 3623
 Delta R.T. 0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

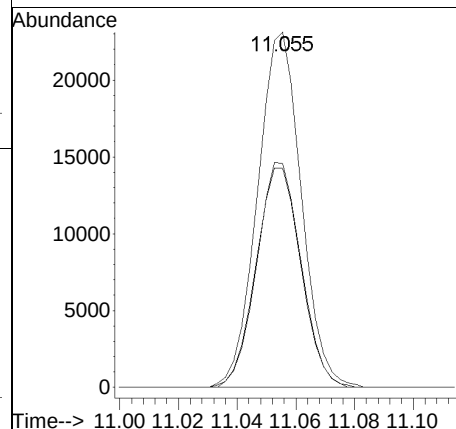
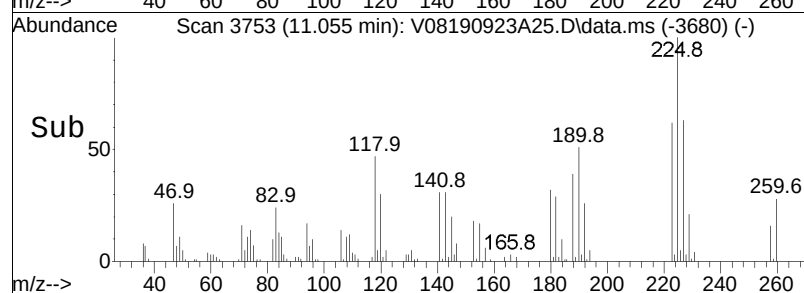
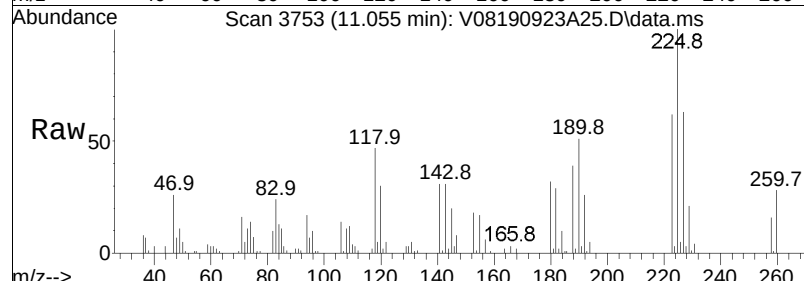
Tgt Ion:155 Resp: 5211
 Ion Ratio Lower Upper
 155 100
 157 137.0 94.8 142.2

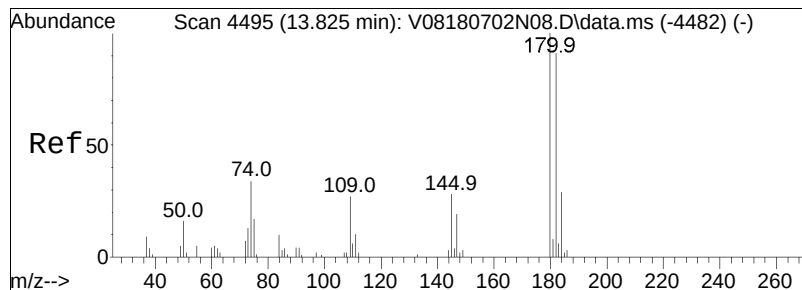




#108
 Hexachlorobutadiene
 Concen: 8.49 ug/L
 RT: 11.055 min Scan# 3753
 Delta R.T. 0.003 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	54.3	81.5
227	64.0	52.4	78.6





#109

1,2,4-Trichlorobenzene

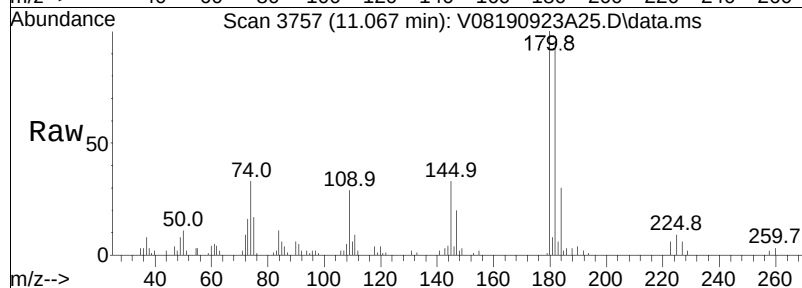
Concen: 8.39 ug/L

RT: 11.067 min Scan# 3757

Delta R.T. 0.000 min

Lab File: V08190923A25.D

Acq: 23 Sep 2019 16:16



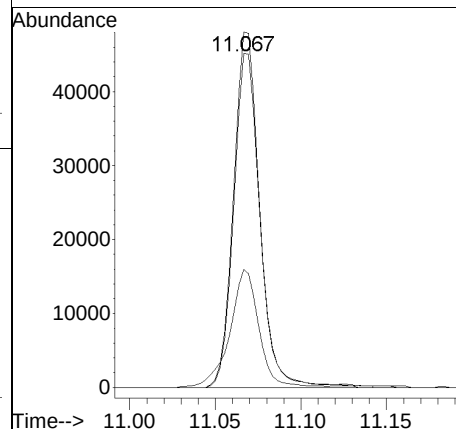
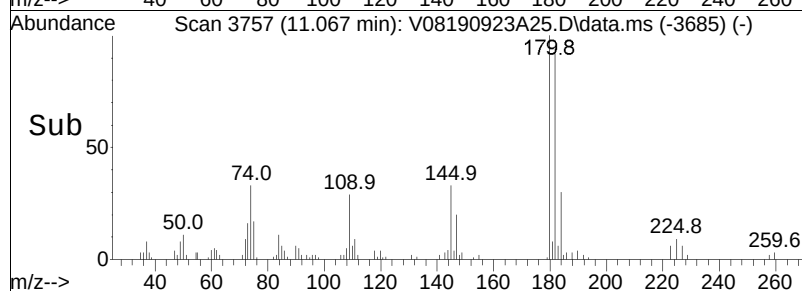
Tgt Ion:180 Resp: 51253

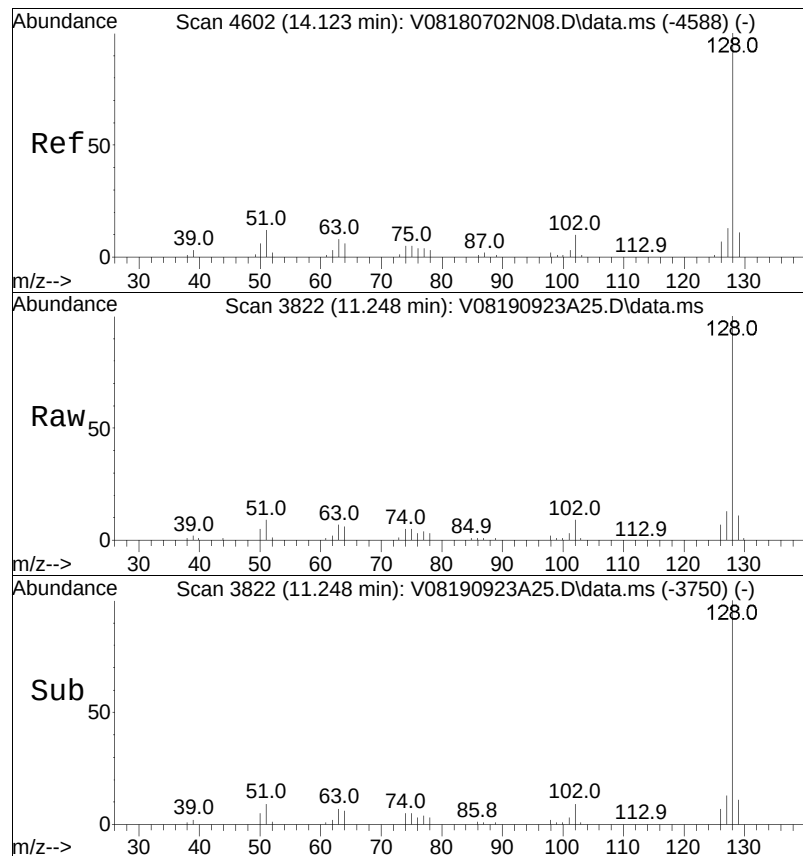
Ion Ratio Lower Upper

180 100

182 93.8 77.3 115.9

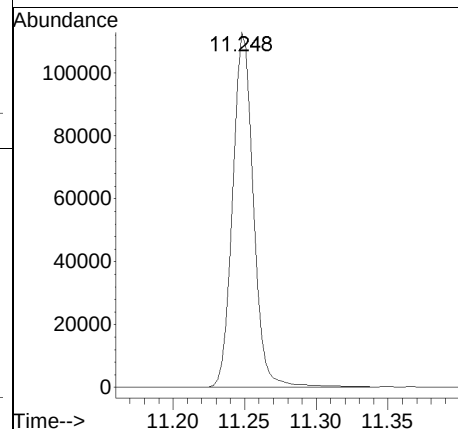
145 36.7 28.1 42.1

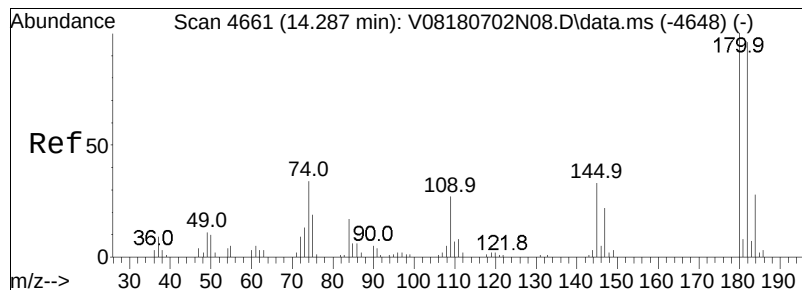




#110
 Naphthalene
 Concen: 8.73 ug/L
 RT: 11.248 min Scan# 3822
 Delta R.T. 0.000 min
 Lab File: V08190923A25.D
 Acq: 23 Sep 2019 16:16

Tgt Ion:128 Resp: 114243





#111

1,2,3-Trichlorobenzene

Concen: 8.67 ug/L

RT: 11.351 min Scan# 3859

Delta R.T. 0.003 min

Lab File: V08190923A25.D

Acq: 23 Sep 2019 16:16

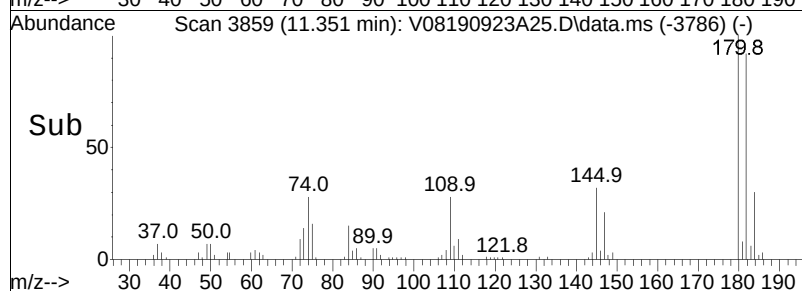
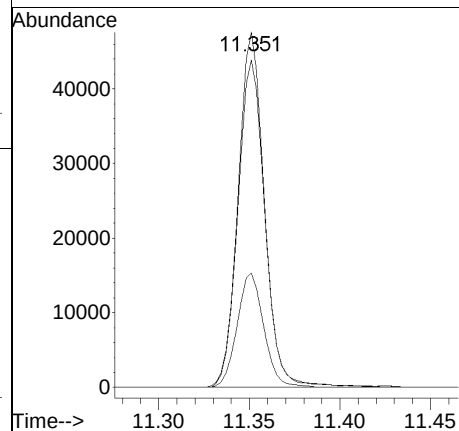
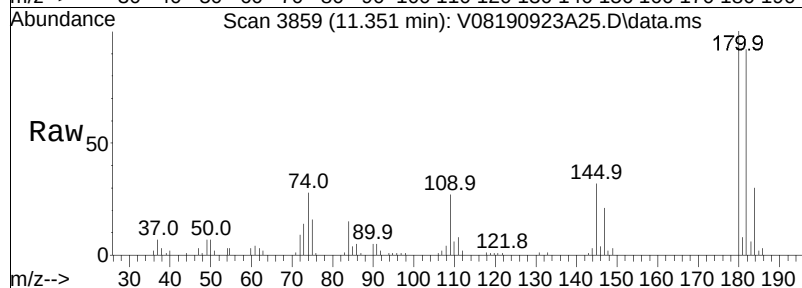
Tgt Ion:180 Resp: 48140

Ion Ratio Lower Upper

180 100

182 94.3 76.4 114.6

145 32.5 26.4 39.6



Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2019\10Method : V108_190819_8260.m
Data File : V08190923A25.D Operator : VOA108:PK
Date Inj'd : 9/23/2019 16:16 Instrument : VOA 108
Sample : WG1287429-7,31,2.5,10,,a1 Quant Date : 9/23/2019 4:43 pm

There are no manual integrations or false positives in this file.



Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: $Amt * DF * Uf * (1/Vo)$

Where:

DF = Dilution Factor

Vo = Sample Volume Purged (mL)

Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: $Amt * DF * (1/Wt)$

Where:

DF = Dilution Factor

Wt = Weight of Sample (g)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Sep 24 2019, 09:32 am

Work Group: WG1287429 for Department: 31 GC/MS - Volatiles

Created: 23-SEP-19 Due: Operator: PK

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1943016-01	TB-GW-091719	S NYTCL-8260	WATER	DONE	U	1002	0924	S0	Vial-B
L1943016-02	FB-GW-091719	S NYTCL-8260	WATER	DONE	U	1002	0924	S0	Vial-B
L1943016-09	SB-3	S NYTCL-8260	WATER	DONE	U	1002	0924	S0	Vial-B
L1943016-10	SB-2	S NYTCL-8260	WATER	DONE	U	1002	0924	S0	Vial-B
L1943016-11	DUP-GW-091819	S NYTCL-8260	WATER	DONE	U	1002	0924	S0	Vial-B
L1943016-12	SB-1	S NYTCL-8260	WATER	DONE	U	1002	0924	S0	Vial-B
L1943286-01	MW-3	S NYTCL-8260	WATER	DONE	U	1003	0924	1C	Vial-B
WG1287429-1	MS BFB Tune Standard	S NYTCL-8260	WATER	DONE	U				
WG1287429-2	Continuing Calibrati	S NYTCL-8260	WATER	DONE	U				
WG1287429-3	Laboratory Control S	S NYTCL-8260	WATER	DONE	U				
WG1287429-4	LCS Duplicate	S NYTCL-8260	WATER	DONE	U				
WG1287429-5	Laboratory Method Bl	S NYTCL-8260	WATER	DONE	U				
WG1287429-6	Matrix Spike	S NYTCL-8260	WATER	DONE	U				
WG1287429-7	Matrix Spike Duplica	S NYTCL-8260	WATER	DONE	U				
Comments:									
WG1287429-4	WG1287429-3								
WG1287429-6	L1943286-01								
WG1287429-7	L1943286-01								

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Sep 24 2019, 09:32 am

Work Group: WG1287487 for Department: 31 GC/MS - Volatiles

Created: 23-SEP-19 Due: Operator: PK

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1942670-10	TB01_091719	S NYTCL-8260	WATER	SEC	U	1001	0924	S0	Vial-B
L1943286-02	MW-ADJ 3	S NYTCL-8260	WATER	DONE	U	1003	0924	1C	Vial-B
L1943286-03	MW-DUP	S NYTCL-8260	WATER	DONE	U	1003	0924	1C	Vial-B
L1943286-04	TRIP BLANK	S NYTCL-8260	WATER	DONE	U	1003	0924	1C	Vial-B
WG1287487-1	MS BFB Tune Standard	S NYTCL-8260	WATER	DONE	U				
WG1287487-2	Continuing Calibrati	S NYTCL-8260	WATER	DONE	U				
WG1287487-3	Laboratory Control S	S NYTCL-8260	WATER	DONE	U				
WG1287487-4	LCS Duplicate	S NYTCL-8260	WATER	DONE	U				
WG1287487-5	Laboratory Method Bl	S NYTCL-8260	WATER	DONE	U				
Comments:									
WG1287487-4	WG1287487-3								

Inst: Gonzo
Initials: TAB
Date: 09/13/19
Run: A

BFB: V7498
IS/SS: V7503
ICAL: V7506D,V7523
ICV: V7429,V7424,V7465,V7514,V7475,V7508

Method
GC 8260_RTX_\
Autosampler: 8260
Concentrator: 8260



QC: _____ Seq: _____

Vial	DATA FILE	SAMPLE
1	VG190913A01	BFB TUNE
1	VG190913A02	BLANK
2	VG190913A03	BLANK
3	VG190913A04	I8260STD.2PPB
4	VG190913A05	I8260STD.5PPB
5	VG190913A06	I8260STD.5PPB
6	VG190913A07	I8260STD2PPB
7	VG190913A08	I8260STD2PPB
8	VG190913A09	I8260STD10PPB
9	VG190913A10	I8260STD30PPB
10	VG190913A11	I8260STD80PPB
11	VG190913A12	I8260STD120PPB
12	VG190913A13	I8260STD200PPB
13	VG190913A14	BLANK
14	VG190913A15	BLANK
15	VG190913A16	BLANK
16	VG190913A17	BLANK
17	VG190913A18	BLANK
18	VG190913A19	C8260STD10PPB
19	VG190913A20	C8260STD10PPB
20	VG190913A21	BLANK

Inst: VOA108
Initials: TAB
Date: 09/20/19
Run: A

BFB: V7498
IS/SS: V7521
ICAL: V7538,V7506E,V7466
ICV: V7529,V7528,V7465,V7514,V7475,V7508,V7467

Method
GC: 8260_ATOMX
Autosampler: 8260
Concentrator: 8260



QC: _____ Seq: _____

Vial	DATA FILE	SAMPLE
1	V08190919A01	BFB TUNE
1	V08190919A02	BLANK
2	V08190919A03	BLANK
3	V08190919A04	I8260STD0.2PPB
4	V08190919A05	I8260STD0.5PPB
5	V08190919A06	I8260STD0.5PPB
6	V08190919A07	I8260STD2PPB
7	V08190919A08	I8260STD2PPB
8	V08190919A09	I8260STD10PPB
9	V08190919A10	I8260STD30PPB
10	V08190919A11	I8260STD80PPB
11	V08190919A12	I8260STD120PPB
12	V08190919A13	I8260STD200PPB
13	V08190919A14	BLANK
14	V08190919A15	BLANK
15	V08190919A16	BLANK
16	V08190919A17	BLANK
17	V08190919A18	BLANK
18	V08190919A19	C8260STD10PPB
19	V08190919A20	C8260STD10PPB
20	V08190919A21	BLANK

Inst: Gonzo
 Initials: PD
 Date: 09/21/19
 Run: A

BFB: V7498
 IS/SS: V7539
 ICAL: V7506D,V7538
 ICV: V7429,V7424,V7465,V7514,V7475,V7508

Method
 GC 8260_RTX_1
 Autosampler: 8260
 Concentrator: 8260



QC: _____ Seq: _____

Vial	DATA FILE	SAMPLE	
1	VG190921ABF1	BFB TUNE	07:54
1	VG190921A01	L6 CCAL	DOW CCAL
2	VG190921A02	8260 CCAL	
3	VG190921A03	8260 CCAL	LCS
4	VG190921A04	8260 CCAL	LCSD
5	VG190921A05	BLK	
6	VG190921A06	METHOD BLK	
7	VG190921A07	I1943256-15,31,10,10,,a	DOW-NY pH<2
8	VG190921A08	I1942778-10,31,10,10,,a	DOW-NY pH<2
9	VG190921A09	I1942778-09,31,10,10,,a	DOW-NY pH<2
10	VG190921A10	I1942981-12,31,10,10,,a	DOW-NY pH<2
11	VG190921A11	I1942670-10,31,10,10,,b	NYTCL pH<2
12	VG190921A12	I1943286-04,31,10,10,,a	NYTCL pH<2
13	VG190921A13	I1943286-03D,31,2,10,,a	NYTCL pH<2
14	VG190921A14	I1943286-02,31,10,10,,a	NYTCL pH<2
15	VG190921A15	I1942777-01,31,10,10,,a	DOW-NY pH<2
16	VG190921A16	I1942777-02,31,10,10,,a	DOW-NY pH<2
17	VG190921A17	I1942777-03D,31,4,10,,a	DOW-NY pH<2
18	VG190921A18	I1942777-04D,31,2,10,,a	DOW-NY pH<2
19	VG190921A19	I1942777-05D,31,4,10,,a	DOW-NY pH<2
20	VG190921A20	I1942979-01,31,10,10,,a	DOW-NY pH<2
21	VG190921A21	I1942979-07,31,10,10,,a	DOW-NY pH<2
22	VG190921A22	I1942979-02D,31,1,10,,a	DOW-NY pH<2
23	VG190921A23	I1942979-03D,31,1,10,,a	DOW-NY pH<2
24	VG190921A24	I1942979-04D,31,4,10,,a	DOW-NY pH<2
25	VG190921A25	I1942979-05D,31,0.4,10,,a	DOW-NY pH<2
26	VG190921A26	I1942979-06,31,10,10,,a	DOW-NY pH<2
27	VG190921A27	I1942979-04MS,31,4,10,,a1	DOW-NY pH<2
28	VG190921A28	I1942979-04MSD,31,4,10,,a1	DOW-NY pH<2

Inst: VOA108
 Initials: PD
 Date: 09/23/19
 Run: A

BFB: V7498
 IS/SS: V7521
 ICAL: V7538,V7506E,V7466
 ICV: V7529,V7528,V7465,V7514,V7475,V7508,V7467

Method
 GC: 8260_ATOMX
 Autosampler: 8260
 Concentrator: 8260



QC: _____ Seq: _____

Vial	DATA FILE	SAMPLE	
1	V08190923ABF1	BFB TUNE	06:13
1	V08190923A01	8260 CCAL	
2	V08190923A02	8260 CCAL	LCS
3	V08190923A03	8260 CCAL	LCSD
4	V08190923A04	BLK	
5	V08190923A05	METHOD BLK	
6	V08190923A06	I1943016-01,31,10,10,,b	NYTCL pH<2
7	V08190923A07	I1943016-02,31,10,10,,a	NYTCL pH<2
8	V08190923A08	I1943016-09,31,10,10,,a	NYTCL pH<2
9	V08190923A09	I1943016-10,31,10,10,,a	NYTCL pH<2
10	V08190923A10	I1943016-11,31,10,10,,a	NYTCL pH<2
11	V08190923A11	I1943016-12,31,10,10,,a	NYTCL pH<2
12	V08190923A12	I1941236-01,31,10,10,,a	ME8260CURVE pH<2
13	V08190923A13	I1941236-02,31,10,10,,a	ME8260CURVE pH<2
14	V08190923A14	I1941236-03,31,10,10,,a	ME8260CURVE pH<2
15	V08190923A15	I1942710-01,31,10,10,,a	ME8260 pH<2
16	V08190923A16	I1942710-02,31,10,10,,a	ME8260 pH<2
17	V08190923A17	I1942731-01,31,10,10,,a	ME8260SEVEE/FN pH<2
18	V08190923A18	I1942731-03,31,10,10,,a	ME8260SEVEE/FN pH<2
19	V08190923A19	I1942731-08,31,10,10,,a	ME8260SEVEE/FN pH<2
20	V08190923A20	I1942731-09,31,10,10,,a	ME8260SEVEE/FN pH<2
21	V08190923A21	I1942731-13,31,10,10,,a	ME8260SEVEE/FN pH<2
22	V08190923A22	I1942731-25,31,10,10,,a	ME8260SEVEE/FN pH<2
23	V08190923A23	I1943286-01D,31,2.5,10,,a1	NYTCL pH<2
24	V08190923A24	I1943286-01MS,31,2.5,10,,a1	NYTCL pH<2
25	V08190923A25	I1943286-01MSD,31,2.5,10,,a1	NYTCL pH<2
26	V08190923A26	I1942731-25MS,31,10,10,,a1	ME8260SEVEE/FN pH<2
27	V08190923A27	I1942731-25MSD,31,10,10,,a2	ME8260SEVEE/FN pH<2