

Mr. Daniel Nierenberg, P.G.
NYS Department of Environmental Conservation
Division of Environmental Remediation, Remedial Bureau B
625 Broadway
Albany, NY 12233-7016

7/20/2026

**Re: Supplemental Soil Vapor Investigation Report
Jean's Place; 485 Van Sinderen Avenue, Brooklyn, NY 11207
NYSDEC BCP Site No. C224275**

Dear Mr. Nierenberg:

This Supplemental Soil Vapor Investigation Report (SSVIR) has been prepared by AKRF, Inc. (AKRF) on behalf of Jean's Place Housing Development Fund Corporation (HDFC) and Jean's Place One Limited Partnership (LP) (collectively, the Volunteers) for the approximately 25,790-square foot property located at 485 Van Sinderen Avenue in Brooklyn, NY 11207 (hereafter referred to as the "Site"). The Site, which is identified as Tax Block 3799, Lot 1, is enrolled in the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) as Jean's Place (NYSDEC BCP Site No. C224275). The Site location and layout are shown on Figures 1 and 2, respectively.

As documented in the NYSDEC-approved June 2021 Remedial Investigation Report (RIR) and August 2022 RAWP, elevated concentrations of chlorinated volatile organic compounds (CVOCs) were detected in soil vapor, which were attributed to historic operations at the Site and in the surrounding area. The greatest concentrations of trichloroethylene (TCE) were detected in the southern portion of the Site, decreasing significantly to the north. The greatest concentrations of tetrachloroethylene (PCE) were detected in the northeastern portion of the Site, adjacent to the Beverly's Place site (VCP No. 17CVC062K), decreasing significantly to the south and west. In an effort to obtain up-to-date data to use in the development and/or modification of the future remedial action at the Site, a Supplemental Soil Vapor Investigation Work Plan (SSVIWP) was submitted to, and approved by, NYSDEC. This SSVIR summarizes the findings from the investigation activities in the NYSDEC-approved work plan, and includes a recommendation to proceed with the design of a pilot test for the Soil Vapor Extraction (SVE) system included in the August 2022 RAWP.

The field work associated with the investigation was completed on April 24, 2025. All work was completed in accordance with the NYSDEC-approved SSVIWP, which included protocols outlined in the Quality Assurance Project Plan (QAPP), Health and Safety Plan (HASP), and Community Air Monitoring Plan (CAMP) included in the August 2022 RAWP. The HASP included continuous air monitoring for volatile organic compounds (VOCs) and airborne particulates within the work zone and periodic air monitoring at the work zone perimeter.

FIELD ACTIVITIES

On April 24, 2025, eight temporary soil vapor points (SSVI-01 through SSVI-08) were installed across the Site at the approximate locations shown on Figure 2. The vapor points were installed by Coastal Environmental Solutions Inc. (Coastal) by advancing an expendable drive point using a Geoprobe® DPP drill rig. At each point, a 6-inch stainless steel screen implant connected to Teflon™-lined polyethylene tubing was installed at the bottom of the borehole, and the sample tubing was extended from the screen to above grade. The boreholes were backfilled with sand to approximately 6 inches above the screen and hydrated bentonite was used to fill the remaining void around the sampling tubing to the ground surface.

Prior to sample collection, each vapor point was purged of three sample volumes using a GilAir Plus pump at a flow rate of 0.2 liter per minute. During purging, a shroud was placed over each point and helium gas was introduced through a small hole in the shroud to saturate the atmosphere around the sample port. Purged vapors were collected in a Tedlar® bag and field-screened for volatile organic compounds (VOCs) using a calibrated photoionization detector (PID), with VOC readings ranging from 1.1 to 3.7 parts per million (ppm). The purged vapor was also monitored using a portable helium detector to check for short-circuiting of ambient air into the sample port, and all soil vapor points passed the seal integrity test.

After purging, each probe was connected via Teflon™-lined polyethylene tubing to a laboratory-supplied 2.7-Liter SUMMA® canister equipped with a flow regulator set to collect a sample over a two-hour period. Immediately after opening the flow control valve, the initial SUMMA® canister vacuum (inches of mercury) was recorded. After approximately two hours, the flow controller valve was closed, and the final vacuum was recorded. Methodologies used for soil vapor assessment were consistent with relevant portions of the NYSDOH *Final Guidance on Soil Vapor Intrusion*, October 2006. Samples were transported via courier with appropriate chain of custody documentation to a NYSDOH ELAP-certified laboratory for analysis of VOCs by EPA Method TO-15. All laboratory analytical results were reported using Category B deliverables. The laboratory data was also submitted for third-party data validation, and a Data Usability Summary Report (DUSR) was prepared. The DUSR is enclosed as Attachment C.

Soil vapor sampling locations, sample depths, field screening results, and rationales are summarized in Table I. Soil vapor sampling logs are included as Attachment A.

Table I
Soil Vapor Sample Details

Soil Vapor Point	Sample Location	Sampling Depth (feet bgs)	Purged Vapor PID Reading (ppm)	Rationale For Sampling Location
SSVI-01	Northeastern portion of the Site	10	1.1	Evaluate current soil vapor conditions.
SSVI-02	Eastern portion of the Site	10	2.9	
SSVI-03	Eastern portion of the Site	10	3.0	
SSVI-04	Southeastern portion of the Site	10	3.3	
SSVI-05	Southern portion of the Site	10	2.6	
SSVI-06	Southwestern portion of the Site	10	3.7	
SSVI-07	Central portion of the Site	10	2.8	
SSVI-08	Central portion of the Site	10	2.4	
Notes: bgs – below ground surface; PID – photoionization detector; ppm – parts per million				

SOIL VAPOR SAMPLE ANALYTICAL RESULTS

Eight soil vapor samples were collected for laboratory analysis from temporary soil vapor points SSVI-01 through SSVI-08. The soil vapor samples were analyzed for VOCs by EPA Method TO-15. Although there are currently no regulatory or published guidance values for VOCs in soil vapor, soil vapor data was used to assess the potential for exposure to receptors and to help define the nature and extent of contamination at the Site. The analytical results from the soil vapor sampling activities are provided in Table 1 with the historical soil vapor data included in the June 2021 RIR. The soil vapor sample laboratory data deliverables are included in Attachment B.

The target CVOCs in soil vapor (TCE and PCE) were detected at concentrations up to 3,330 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), and several petroleum-related VOCs (e.g., benzene, toluene, ethylbenzene, xylenes, etc.) were detected at relatively low-level concentrations. TCE was detected in seven of the eight soil vapor samples at concentrations up to 3,330 $\mu\text{g}/\text{m}^3$, and was historically detected at 6,500 $\mu\text{g}/\text{m}^3$. PCE was detected in all eight of the soil vapor samples at concentrations up to 160 $\mu\text{g}/\text{m}^3$, and was historically detected at 94,000 $\mu\text{g}/\text{m}^3$. A summary of PCE and TCE detections in the soil vapor are shown on Table II.

Table II
PCE and TCE Concentrations in Soil Vapor

Analyte	Sample ID	Concentration ($\mu\text{g}/\text{m}^3$)
Trichloroethylene (TCE)	SSVI-01 20250424	14.3
	SSVI-02 20250424	66.1
	SSVI-03 20250424	267
	SSVI-04 20250424	118
	SSVI-05 20250424	68.3
	SSVI-06 20250424	3,330
	SSVI-07 20250424	838
	SSVI-08 20250424	ND
Tetrachloroethylene (PCE)	SSVI-01 20250424	134
	SSVI-02 20250424	160
	SSVI-03 20250424	68.5
	SSVI-04 20250424	82.7
	SSVI-05 20250424	84.8
	SSVI-06 20250424	130
	SSVI-07 20250424	77.3
	SSVI-08 20250424	5.72
Notes: $\mu\text{g}/\text{m}^3$: micrograms per cubic meter; ND: not detected		

The greatest concentrations of TCE (3,330 $\mu\text{g}/\text{m}^3$ at SSVI-06; 838 $\mu\text{g}/\text{m}^3$ at SSVI-07) were detected in the southern portion of the Site, decreasing significantly to the north. The greatest concentrations of PCE (160 $\mu\text{g}/\text{m}^3$ at SSVI-02; 134 $\mu\text{g}/\text{m}^3$ at SSVI-01) were detected in the northeastern portion of the Site, decreasing significantly to the south and west. These results indicate a significant decrease of target CVOCs in soil vapor at the Site, with maximum detected concentrations approximately one to two orders of magnitude less than the results presented in the June 2021 RIR.

CONCLUSIONS & RECOMMENDATIONS

Based upon the findings presented in this SSVIR and the anticipated schedule for construction, AKRF concludes the following:

- Concentrations of target CVOCs in soil vapor at the Site have decreased; however, the detections still require remediation as outlined in the August 2022 RAWP.
- Project financing through the NYC Department of Housing and Preservation (HPD) is anticipated to close in December 2027, with construction related to the redevelopment anticipated to begin in the first quarter of 2028.

Based on discussions with NYSDEC during a conference call on January 13, 2026, AKRF recommends the following:

- Submit a Work Plan to implement a pilot test for the SVE system outlined in the August 2022 RAWP. The work plan will include details for construction of the extraction well(s) and vacuum monitoring points used for the pilot test, and will include a figure showing the proposed locations for each. The pilot test data will be used to prepare a remedial design report for the full-scale SVE system.

Please contact Deborah Shapiro at dshapiro@akrf.com or Tim McClintock at tmcclintock@akrf.com if you have any questions or comments.

Sincerely,
AKRF, Inc.



Deborah Shapiro, QEP
Senior Vice President



Timothy McClintock
Senior Technical Director

cc: **J. O'Connell** – NYSDEC
S. Quandt – NYSDEC
D. Brooks – Jean's Place HDFC
L. Schnapf – Schnapf LLC

Figures

Figure 1 – Site Location

Figure 2 – Site and Sample Location Plan

Attached Tables

Table 1 – Soil Vapor Analytical Results

Attachments

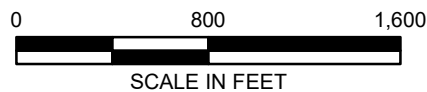
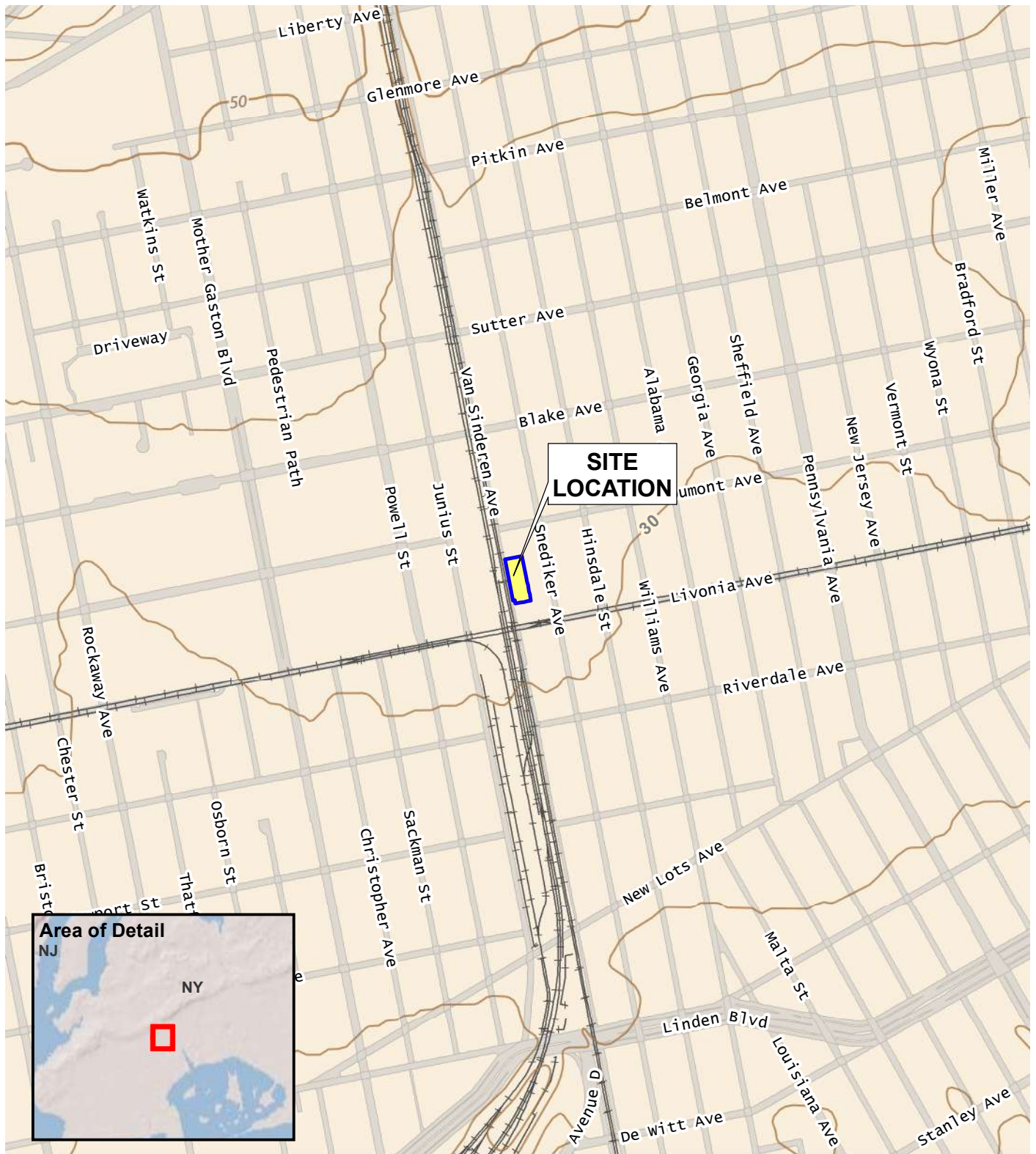
Attachment A – Soil Vapor Logs

Attachment B – Laboratory Analytical Data Report

Attachment C - DUSR

FIGURES

© 2024 AKRF Q:\Projects\170447 - 485 VAN SINDEREN\Technical\GIS and Graphics\hazmat\RAWP\170447_Fig 1 site loc map.mxd 12/20/2024 9:39:00 AM mveilleux



akrf

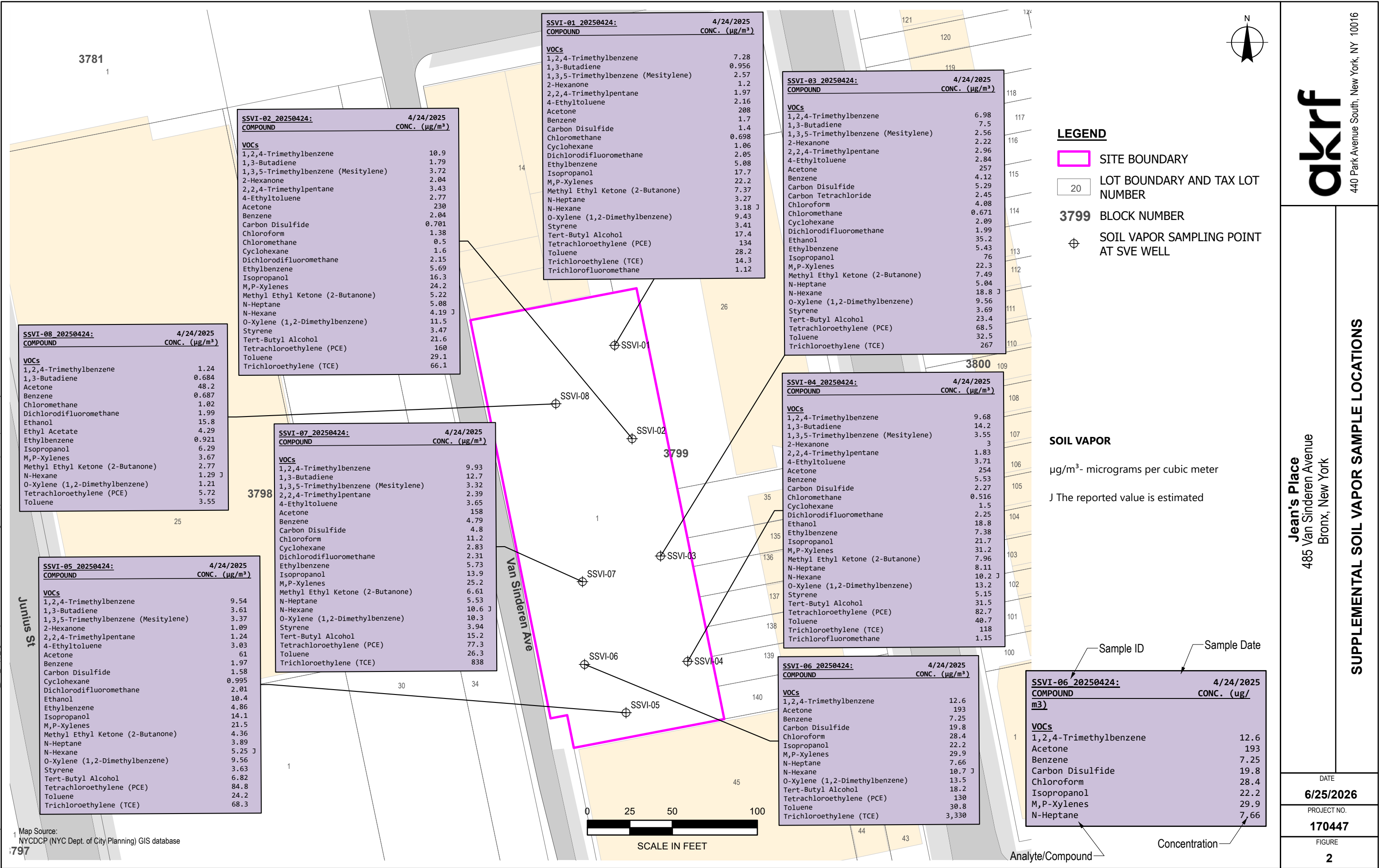
440 Park Avenue South, New York, NY 10016

Jean's Place
485 Van Sinderen Avenue
Brooklyn, New York

SITE LOCATION

DATE
12/20/2024
PROJECT NO.
170447
FIGURE
1

AKRF C:\Projects\170447 - 485 VAN SINDEREN\SAR\170447_pbl_supp_figures.aprx 6/25/2026 12:30 PM\170447 Fig 2 Supplemental soil vapor sample locations iszalus



TABLES

Table 1
Jean's Place
485 Van Sinderen Avenue
 Brooklyn, New York
Soil Vapor Results of VOCs

AKRF Sample ID Lab Sample ID Sample Date Dilution Factor Unit	SV-1 20180110-20180110 200-41782-1 1/10/2018 2 µg/m³	SV-2 20180110-20180110 200-41782-2 1/10/2018 353.6 µg/m³	SV-3 20180110-20180110 200-41782-3 1/10/2018 40 µg/m³	SV-4 20180110-20180110 200-41782-4 1/10/2018 10 µg/m³	SV-05_20190213 200-47425-1 2/13/2019 1 µg/m³	SV-05_20190213 200-47425-1 2/13/2019 10 µg/m³
Compound	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	2.2 U	390 U	44 U	11 U	1.1 U	NR
1,1,2,2-Tetrachloroethane	2.7 U	490 U	55 U	14 U	1.4 U	NR
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	3.1 U	540 U	61 U	15 U	2.8	NR
1,1,2-Trichloroethane	2.2 U	390 U	44 U	11 U	1.1 U	NR
1,1-Dichloroethane	1.6 U	290 U	32 U	8.1 U	0.81 U	NR
1,1-Dichloroethene	0.28 U	49 U	5.6 U	1.4 U	0.14 U	NR
1,2,4-Trichlorobenzene	7.4 U	1,300 U	150 U	37 U	3.7 U	NR
1,2,4-Trimethylbenzene	3.9	350 U	39 U	9.8 U	6.5	NR
1,2-Dibromoethane (Ethylene Dibromide)	3.1 U	540 U	61 U	15 U	1.5 U	NR
1,2-Dichlorobenzene	2.4 U	430 U	48 U	12 U	1.2 U	NR
1,2-Dichloroethane	1.6 U	290 U	32 U	8.1 U	0.81 U	NR
1,2-Dichloropropane	1.8 U	330 U	37 U	9.2 U	0.92 U	NR
1,2-Dichlorotetrafluoroethane	2.8 U	490 U	56 U	14 U	1.5	NR
1,3,5-Trimethylbenzene (Mesitylene)	2 U	350 U	39 U	9.8 U	2.2	NR
1,3-Butadiene	2.7	160 U	18 U	4.4 U	1.6	NR
1,3-Dichlorobenzene	2.4 U	430 U	48 U	12 U	1.2 U	NR
1,4-Dichlorobenzene	2.4 U	430 U	48 U	12 U	1.2 U	NR
1,4-Dioxane (P-Dioxane)	36 U	6,400 U	720 U	180 U	18 U	NR
2,2,4-Trimethylpentane	51	330 U	37 U	18	1.7	NR
2-Chlorotoluene	2.1 U	370 U	41 U	10 U	1 U	NR
2-Hexanone	4.1 U	720 U	82 U	20 U	23	NR
4-Ethyltoluene	2 U	350 U	39 U	9.8 U	2.9	NR
Acetone	48	4,200 U	480 U	120 U	47	NR
Allyl Chloride (3-Chloropropene)	3.1 U	550 U	63 U	16 U	1.6 U	NR
Benzene	3.8	230 U	26 U	6.4 U	2.2	NR
Benzyl Chloride	2.1 U	370 U	41 U	10 U	1 U	NR
Bromodichloromethane	2.7 U	470 U	54 U	13 U	1.3 U	NR
Bromoform	4.1 U	730 U	83 U	21 U	2.1 U	NR
Bromomethane	1.6 U	270 U	31 U	7.8 U	0.78 U	NR
Butane	51	420 U	48 U	25	14	NR
Carbon Disulfide	3.1 U	550 U	63 U	16 U	0.7 J	NR
Carbon Tetrachloride	0.44 U	78 U	8.8 U	2.2 U	0.28	NR
Chlorobenzene	1.8 U	330 U	37 U	9.2 U	0.92 U	NR
Chlorodifluoromethane	3.5 U	630 U	71 U	18 U	1 J	NR
Chloroethane	2.6 U	470 U	53 U	13 U	1.3 U	NR
Chloroform	2 U	350 U	39 U	9.8 U	7.4	NR
Chloromethane	2.1 U	370 U	41 U	10 U	1 U	NR
Cis-1,2-Dichloroethylene	0.28 U	360	5.6 U	2.1	0.2 U	NR
Cis-1,3-Dichloropropene	1.8 U	320 U	36 U	9.1 U	0.91 U	NR
Cyclohexane	3.9	240 U	28 U	6.9 U	3.8	NR
Cymene	2.2 U	390 U	44 U	11 U	0.56 J	NR
Dibromochloromethane	3.4 U	600 U	68 U	17 U	1.7 U	NR
Dichlorodifluoromethane	4.9 U	870 U	99 U	25 U	2 J	NR
Dichloroethylenes	3.2 U	560 U	63 U	16 U	NR	NR
Ethanol	NR	NR	NR	NR	NR	NR
Ethyl Acetate	NR	NR	NR	NR	NR	NR
Ethylbenzene	3.3	310 U	35 U	8.7 U	28	NR
Hexachlorobutadiene	4.3 U	750 U	85 U	21 U	2.1 U	NR
Isopropanol	25 U	4,300 U	490 U	120 U	12 U	NR
Isopropylbenzene (Cumene)	2 U	350 U	39 U	9.8 U	2.5	NR
M,P-Xylenes	12	770 U	87 U	22 U	110	NR
Methyl Ethyl Ketone (2-Butanone)	4.2	520 U	59 U	15 U	NR	180 D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	4.1 U	720 U	82 U	20 U	2.6	NR
Methyl Methacrylate	4.1 U	720 U	82 U	20 U	2 U	NR
Methylene Chloride	3.5 U	610 U	69 U	17 U	1.1 J	NR
Naphthalene	5.2 U	930 U	100 U	26 U	2.6 U	NR
N-Butylbenzene	2.2 U	390 U	44 U	11 U	0.62 J	NR
N-Heptane	5.1	290 U	33 U	8.2 U	9	NR
N-Hexane	12	250 U	28 U	7 U	5.6	NR
N-Propylbenzene	2 U	350 U	39 U	9.8 U	2.5	NR
O-Xylene (1,2-Dimethylbenzene)	3.5	310 U	35 U	8.7 U	37	NR
Sec-Butylbenzene	2.2 U	390 U	44 U	11 U	0.63 J	NR
Styrene	1.7 U	300 U	34 U	8.5 U	0.47 J	NR
T-Butylbenzene	2.2 U	390 U	44 U	11 U	1.1 U	NR
Tert-Butyl Alcohol	30 U	5,400 U	610 U	150 U	15 U	NR
Tert-Butyl Methyl Ether	1.4 U	250 U	29 U	7.2 U	0.72 U	NR
Tetrachloroethylene (PCE)	310	94,000	430	61	NR	1,400 D
Tetrahydrofuran	29 U	5,200 U	590 U	150 U	15 U	NR
Toluene	12	270 U	30 U	7.5 U	12	NR
Trans-1,2-Dichloroethene	1.6 U	280 U	32 U	7.9 U	0.79 U	NR
Trans-1,3-Dichloropropene	1.8 U	320 U	36 U	9.1 U	0.91 U	NR
Trichloroethylene (TCE)	4.5	770	3,200	1,100	110	NR
Trichlorofluoromethane	2.2 U	400 U	45 U	11 U	2.5	NR
Vinyl Bromide	1.7 U	310 U	35 U	8.7 U	0.87 U	NR
Vinyl Chloride	0.18 U	32 U	3.6 U	0.89 U	0.2 U	NR
Xylenes, Total	15	1,100 U	120 U	30 U	NR	NR

Table 1
Jean's Place
485 Van Sinderen Avenue
 Brooklyn, New York
Soil Vapor Results of VOCs

AKRF Sample ID	SV-06_20190213	SV-06_20190213	SV-07_20190213	SV-07_20190213	SV-08_20190213	SV-08_20190213
Lab Sample ID	200-47425-2	200-47425-2	200-47425-3	200-47425-3	200-47425-4	200-47425-4
Sample Date	2/13/2019	2/13/2019	2/13/2019	2/13/2019	2/13/2019	2/13/2019
Dilution Factor	1	5	2	55	1	20
Unit	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
Compound	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	1.1 U	NR	2.2 U	NR	0.43 J	NR
1,1,2,2-Tetrachloroethane	1.4 U	NR	2.7 U	NR	1.4 U	NR
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	1.2 J	NR	3.1	NR	0.65 J	NR
1,1,2-Trichloroethane	1.1 U	NR	2.2 U	NR	1.1 U	NR
1,1-Dichloroethane	0.81 U	NR	1.6 U	NR	0.81 U	NR
1,1-Dichloroethene	0.14 U	NR	0.28 U	NR	0.14 U	NR
1,2,4-Trichlorobenzene	3.7 U	NR	7.4 U	NR	3.7 U	NR
1,2,4-Trimethylbenzene	7.8	NR	3.9	NR	2	NR
1,2-Dibromoethane (Ethylene Dibromide)	1.5 U	NR	3.1 U	NR	1.5 U	NR
1,2-Dichlorobenzene	1.2 U	NR	2.4 U	NR	1.2 U	NR
1,2-Dichloroethane	0.81 U	NR	1.6 U	NR	0.81 U	NR
1,2-Dichloropropane	0.92 U	NR	1.8 U	NR	0.92 U	NR
1,2-Dichlorotetrafluoroethane	1.2 J	NR	1.4 J	NR	1.4 U	NR
1,3,5-Trimethylbenzene (Mesitylene)	2	NR	1.2 J	NR	0.72 J	NR
1,3-Butadiene	0.44 U	NR	0.32 J	NR	0.52	NR
1,3-Dichlorobenzene	1.2 U	NR	2.4 U	NR	1.2 U	NR
1,4-Dichlorobenzene	1.2 U	NR	2.4 U	NR	1.2 U	NR
1,4-Dioxane (P-Dioxane)	18 U	NR	36 U	NR	18 U	NR
2,2,4-Trimethylpentane	1.5	NR	2.7	NR	5.6	NR
2-Chlorotoluene	1 U	NR	2.1 U	NR	1 U	NR
2-Hexanone	15	NR	6.7	NR	6.2	NR
4-Ethyltoluene	3	NR	1.7 J	NR	1	NR
Acetone	11 J	NR	14 J	NR	27	NR
Allyl Chloride (3-Chloropropene)	1.6 U	NR	3.1 U	NR	1.6 U	NR
Benzene	1.4	NR	2.7	NR	4.6	NR
Benzyl Chloride	1 U	NR	2.1 U	NR	1 U	NR
Bromodichloromethane	1.3 U	NR	2.7 U	NR	1.3 U	NR
Bromoform	2.1 U	NR	4.1 U	NR	2.1 U	NR
Bromomethane	0.78 U	NR	1.6 U	NR	0.78 U	NR
Butane	7.9	NR	6.5	NR	12	NR
Carbon Disulfide	1.4 J	NR	3.1 U	NR	0.49 J	NR
Carbon Tetrachloride	0.22 U	NR	0.66	NR	0.28	NR
Chlorobenzene	0.92 U	NR	1.8 U	NR	0.92 U	NR
Chlorodifluoromethane	1.8 U	NR	3.5 U	NR	1.8 U	NR
Chloroethane	1.3 U	NR	2.6 U	NR	1.3 U	NR
Chloroform	0.66 J	NR	12	NR	4	NR
Chloromethane	1 U	NR	2.1 U	NR	1 U	NR
Cis-1,2-Dichloroethylene	3.7	NR	0.4 U	NR	11	NR
Cis-1,3-Dichloropropene	0.91 U	NR	1.8 U	NR	0.91 U	NR
Cyclohexane	1.1	NR	9.4	NR	3.9	NR
Cymene	0.53 J	NR	2.2 U	NR	1.1 U	NR
Dibromochloromethane	1.7 U	NR	3.4 U	NR	1.7 U	NR
Dichlorodifluoromethane	2.1 J	NR	2.4 J	NR	1.7 J	NR
Dichloroethylenes	NR	NR	NR	NR	NR	NR
Ethanol	NR	NR	NR	NR	NR	NR
Ethyl Acetate	NR	NR	NR	NR	NR	NR
Ethylbenzene	16	NR	16	NR	13	NR
Hexachlorobutadiene	2.1 U	NR	4.3 U	NR	0.94 J	NR
Isopropanol	12 U	NR	25 U	NR	12 U	NR
Isopropylbenzene (Cumene)	0.74 J	NR	0.62 J	NR	0.49 J	NR
M,P-Xylenes	73	NR	68	NR	48	NR
Methyl Ethyl Ketone (2-Butanone)	110	NR	55	NR	69	NR
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	2 U	NR	4.1 U	NR	2 U	NR
Methyl Methacrylate	2 U	NR	4.1 U	NR	2 U	NR
Methylene Chloride	1.7 U	NR	1.9 J	NR	1.7 U	NR
Naphthalene	2.6 U	NR	5.2 UT	NR	2.6 U	NR
N-Butylbenzene	0.72 J	NR	2.2 U	NR	1.1 U	NR
N-Heptane	2.8	NR	3.5	NR	7.5	NR
N-Hexane	3.1	NR	4.7	NR	9.3	NR
N-Propylbenzene	1.9	NR	1.2 J	NR	0.78 J	NR
O-Xylene (1,2-Dimethylbenzene)	25	NR	21	NR	15	NR
Sec-Butylbenzene	1.1 U	NR	2.2 U	NR	1.1 U	NR
Styrene	0.49 J	NR	1.7 U	NR	0.57 J	NR
T-Butylbenzene	1.1 U	NR	2.2 U	NR	1.1 U	NR
Tert-Butyl Alcohol	15 U	NR	30 U	NR	15 U	NR
Tert-Butyl Methyl Ether	0.72 U	NR	1.4 U	NR	0.72 U	NR
Tetrachloroethylene (PCE)	NR	700 D	370	NR	64	NR
Tetrahydrofuran	15 U	NR	29 U	NR	15 U	NR
Toluene	8.5	NR	12	NR	19	NR
Trans-1,2-Dichloroethene	0.66 J	NR	1.6 U	NR	3.9	NR
Trans-1,3-Dichloropropene	0.91 U	NR	1.8 U	NR	0.91 U	NR
Trichloroethylene (TCE)	46	NR	NR	6,500 D	NR	2,800 D
Trichlorofluoromethane	1 J	NR	2.4	NR	1.5	NR
Vinyl Bromide	0.87 U	NR	1.7 U	NR	0.87 U	NR
Vinyl Chloride	0.2 U	NR	0.4 U	NR	0.2 U	NR
Xylenes, Total	NR	NR	NR	NR	NR	NR

Table 1
Jean's Place
485 Van Sinderen Avenue
 Brooklyn, New York
Soil Vapor Results of VOCs

AKRF Sample ID	SSVI-01_20250424	SSVI-02_20250424	SSVI-03_20250424	SSVI-04_20250424	SSVI-05_20250424	SSVI-06_20250424	SSVI-07_20250424	SSVI-08_20250424
Lab Sample ID	L2525337-01	L2525337-02	L2525337-03	L2525337-04	L2525337-05	L2525337-06	L2525337-07	L2525337-08
Sample Date	4/24/2025	4/24/2025	4/24/2025	4/24/2025	4/24/2025	4/24/2025	4/24/2025	4/24/2025
Dilution Factor	1	1	1	1	1	1	8.333	1
Unit	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
Compound	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	9.11 U	2.18 U	1.09 U
1,1,2,2-Tetrachloroethane	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	11.5 U	2.75 U	1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	12.8 U	3.07 U	1.53 U
1,1,2-Trichloroethane	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	9.11 U	2.18 U	1.09 U
1,1-Dichloroethane	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	6.76 U	1.62 U	0.809 U
1,1-Dichloroethene	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	6.62 U	1.59 U	0.793 U
1,2,4-Trichlorobenzene	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	12.4 U	2.97 U	1.48 U
1,2,4-Trimethylbenzene	7.28	10.9	6.98	9.68	9.54	12.6	9.93	1.24
1,2-Dibromoethane (Ethylene Dibromide)	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	12.8 U	3.07 U	1.54 U
1,2-Dichlorobenzene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	10 U	2.4 U	1.2 U
1,2-Dichloroethane	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	6.76 U	1.62 U	0.809 U
1,2-Dichloropropane	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	7.72 U	1.85 U	0.924 U
1,2-Dichlorotetrafluoroethane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	11.7 U	2.8 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	2.57	3.72	2.56	3.55	3.37	8.21 U	3.32	0.983 U
1,3-Butadiene	0.956	1.79	7.5	14.2	3.61	3.69 U	12.7	0.684
1,3-Dichlorobenzene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	10 U	2.4 U	1.2 U
1,4-Dichlorobenzene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	10 U	2.4 U	1.2 U
1,4-Dioxane (P-Dioxane)	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	6.02 U	1.44 U	0.721 U
2,2,4-Trimethylpentane	1.97	3.43	2.96	1.83	1.24	7.8 U	2.39	0.934 U
2-Chlorotoluene	NR	NR	NR	NR	NR	NR	NR	NR
2-Hexanone	1.2	2.04	2.22	3	1.09	6.84 U	1.64 U	0.82 U
4-Ethyltoluene	2.16	2.77	2.84	3.71	3.03	8.21 U	3.65	0.983 U
Acetone	208	230	257	254	61	193	158	48.2
Allyl Chloride (3-Chloropropene)	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	5.23 U	1.25 U	0.626 U
Benzene	1.7	2.04	4.12	5.53	1.97	7.25	4.79	0.687
Benzyl Chloride	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	8.65 U	2.07 U	1.04 U
Bromodichloromethane	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	11.2 U	2.68 U	1.34 U
Bromoform	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	17.3 U	4.14 U	2.07 U
Bromomethane	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	6.48 U	1.55 U	0.777 U
Butane	NR	NR	NR	NR	NR	NR	NR	NR
Carbon Disulfide	1.4	0.701	5.29	2.27	1.58	19.8	4.8	0.623 U
Carbon Tetrachloride	1.26 U	1.26 U	2.45	1.26 U	1.26 U	10.5 U	2.52 U	1.26 U
Chlorobenzene	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	7.69 U	1.84 U	0.921 U
Chlorodifluoromethane	NR	NR	NR	NR	NR	NR	NR	NR
Chloroethane	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	4.41 U	1.06 U	0.528 U
Chloroform	0.977 U	1.38	4.08	0.977 U	0.977 U	28.4	11.2	0.977 U
Chloromethane	0.698	0.5	0.671	0.516	0.413 U	3.45 U	0.826 U	1.02
Cis-1,2-Dichloroethylene	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	6.62 U	1.59 U	0.793 U
Cis-1,3-Dichloropropene	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	7.58 U	1.82 U	0.908 U
Cyclohexane	1.06	1.6	2.09	1.5	0.995	5.75 U	2.83	0.688 U
Cymene	NR	NR	NR	NR	NR	NR	NR	NR
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	14.2 U	3.41 U	1.7 U
Dichlorodifluoromethane	2.05	2.15	1.99	2.25	2.01	8.26 U	2.31	1.99
Dichloroethylenes	NR	NR	NR	NR	NR	NR	NR	NR
Ethanol	9.42 U	9.42 U	35.2	18.8	10.4	78.6 U	18.8 U	15.8
Ethyl Acetate	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	15 U	3.6 U	4.29
Ethylbenzene	5.08	5.69	5.43	7.38	4.86	7.25 U	5.73	0.921
Hexachlorobutadiene	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	17.8 U	4.27 U	2.13 U
Isopropanol	17.7	16.3	76	21.7	14.1	22.2	13.9	6.29
Isopropylbenzene (Cumene)	NR	NR	NR	NR	NR	NR	NR	NR
M,P-Xylenes	22.2	24.2	22.3	31.2	21.5	29.9	25.2	3.67
Methyl Ethyl Ketone (2-Butanone)	7.37	5.22	7.49	7.96	4.36	12.3 U	6.61	2.77
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	17.1 U	4.1 U	2.05 U
Methyl Methacrylate	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	14.5 U	3.47 U	1.74 U
Naphthalene	0.996 U	0.996 U	0.996 U	0.996 U	0.996 U	8.28 U	1.99 U	0.996 U
N-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR
N-Heptane	3.27	5.08	5.04	8.11	3.89	7.66	5.53	0.82 U
N-Hexane	3.18 J	4.19 J	18.8 J	10.2 J	5.25 J	10.7 J	10.6 J	1.29 J
N-Propylbenzene	NR	NR	NR	NR	NR	NR	NR	NR
O-Xylene (1,2-Dimethylbenzene)	9.43	11.5	9.56	13.2	9.56	13.5	10.3	1.21
Sec-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR
Styrene	3.41	3.47	3.69	5.15	3.63	7.11 U	3.94	0.852 U
T-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR
Tert-Butyl Alcohol	17.4	21.6	23.4	31.5	6.82	18.2	15.2	1.52 U
Tert-Butyl Methyl Ether	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	6.02 U	1.44 U	0.721 U
Tetrachloroethylene (PCE)	134	160	68.5	82.7	84.8	130	77.3	5.72
Tetrahydrofuran	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	12.3 U	2.95 U	1.47 U
Toluene	28.2	29.1	32.5	40.7	24.2	30.8	3.45	3.55
Trans-1,2-Dichloroethene	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	6.62 U	1.59 U	0.793 U
Trans-1,3-Dichloropropene	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	7.58 U	1.82 U	0.908 U
Trichloroethylene (TCE)	14.3	66.1	267	118	68.3	3.330	838	1.07 U
Trichlorofluoromethane	1.12	1.12 U	1.12 U	1.12 U	1.12 U	9.38 U	2.25 U	1.12 U
Vinyl Bromide	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	7.3 U	1.75 U	0.874 U
Vinyl Chloride	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	4.27 U	1.02 U	0.511 U
Xylenes, Total	NR	NR	NR	NR	NR	NR	NR	NR

ATTACHMENT A
SOIL VAPOR SAMPLING LOGS



440 Park Avenue South, 7th Floor
New York, NY 10016

Soil Vapor Sample Log

Project Name:	485 Van Sinderen Avenue	Point Installed By:	Coastal Environmental Solutions
Project Location:	485 Van Sinderen Avenue	Installation Method:	Geoprobe DPP
Project Number:	170447	Sampled By:	C. Walters
Client:	Jean's Place HDPC	Date:	4/25/2025
		Weather:	51-71°F, Mostly Clear

Sample Setup

Vapor Point Depth:	120	Inches	Purge Time:	10 minutes
Tubing Volume:	0.375	In ³	Purge Volume:	2L
Purging Pump:	GilAir Plus		Purged Vapor PID:	1.1 ppm
Pump Flow Rate*:	0.2	L/min	Helium Concentration:	ND %

Sample Identification

Soil Vapor Point ID:	SSVI-01	SUMMA[®] Canister ID:	2768
Flow Controller ID:	01046	Soil Vapor Sample ID:	SSVI-01_20250424

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	10:32	-30.31	ND	NA
Time Halfway:	11:32	-16.72	ND	NA
Time Stopped:	12:32	-6.78	ND	NA

Notes:

ND = non-detect ppm = parts per million L/min = Liters per minute in/Hg = inches of mercury
Soil vapor sample SSVI-01_20250424 collected in a 2.7-L SUMMA[®] canister using a 2-hour flow controller.



440 Park Avenue South, 7th Floor
New York, NY 10016

Soil Vapor Sample Log

Project Name:	485 Van Sinderen Avenue	Point Installed By:	Coastal Environmental Solutions
Project Location:	485 Van Sinderen Avenue	Installation Method:	Geoprobe DPP
Project Number:	170447	Sampled By:	C. Walters
Client:	Jean's Place HDPC	Date:	4/25/2025
		Weather:	51-71°F, Mostly Clear

Sample Setup

Vapor Point Depth:	120	Inches	Purge Time:	10 minutes
Tubing Volume:	0.375	In ³	Purge Volume:	2L
Purging Pump:	GilAir Plus		Purged Vapor PID:	2.9 ppm
Pump Flow Rate*:	0.2	L/min	Helium Concentration:	ND %

Sample Identification

Soil Vapor Point ID:	SSVI-02	SUMMA[®] Canister ID:	2864
Flow Controller ID:	01693	Soil Vapor Sample ID:	SSVI-02_20250424

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	10:32	-30.77	ND	NA
Time Halfway:	11:32	-15.91	ND	NA
Time Stopped:	12:32	-6.21	ND	NA

Notes:

ND = non-detect ppm = parts per million L/min = Liters per minute in/Hg = inches of mercury
Soil vapor sample SSVI-02_20250424 collected in a 2.7-L SUMMA[®] canister using a 2-hour flow controller.



440 Park Avenue South, 7th Floor
New York, NY 10016

Soil Vapor Sample Log

Project Name:	485 Van Sinderen Avenue	Point Installed By:	Coastal Environmental Solutions
Project Location:	485 Van Sinderen Avenue	Installation Method:	Geoprobe DPP
Project Number:	170447	Sampled By:	C. Walters
Client:	Jean's Place HDFC	Date:	4/25/2025
		Weather:	51-71°F, Mostly Clear

Sample Setup

Vapor Point Depth:	120	Inches	Purge Time:	10 minutes
Tubing Volume:	0.375	In ³	Purge Volume:	2L
Purging Pump:	GilAir Plus		Purged Vapor PID:	2.9 ppm
Pump Flow Rate*:	0.2	L/min	Helium Concentration:	ND %

Sample Identification

Soil Vapor Point ID:	SSVI-03	SUMMA[®] Canister ID:	3713
Flow Controller ID:	02346	Soil Vapor Sample ID:	SSVI-03_20250424

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	10:34	-30.50	ND	NA
Time Halfway:	11:34	-11.73	ND	NA
Time Stopped:	12:34	-6.98	ND	NA

Notes:

ND = non-detect ppm = parts per million L/min = Liters per minute in/Hg = inches of mercury
Soil vapor sample SSVI-03_20250424 collected in a 2.7-L SUMMA[®] canister using a 2-hour flow controller.



440 Park Avenue South, 7th Floor
New York, NY 10016

Soil Vapor Sample Log

Project Name:	485 Van Sinderen Avenue	Point Installed By:	Coastal Environmental Solutions
Project Location:	485 Van Sinderen Avenue	Installation Method:	Geoprobe DPP
Project Number:	170447	Sampled By:	C. Walters
Client:	Jean's Place HDPC	Date:	4/25/2025
		Weather:	51-71°F, Mostly Clear

Sample Setup

Vapor Point Depth:	120	Inches	Purge Time:	10 minutes
Tubing Volume:	0.375	In ³	Purge Volume:	2L
Purging Pump:	GilAir Plus		Purged Vapor PID:	3.3 ppm
Pump Flow Rate*:	0.2	L/min	Helium Concentration:	ND %

Sample Identification

Soil Vapor Point ID:	SSVI-04	SUMMA[®] Canister ID:	391
Flow Controller ID:	02090	Soil Vapor Sample ID:	SSVI-04_20240424

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	10:35	-31.14	ND	NA
Time Halfway:	11:35	-11.31	ND	NA
Time Stopped:	12:35	-5.70	ND	NA

Notes:

ND = non-detect ppm = parts per million L/min = Liters per minute in/Hg = inches of mercury
Soil vapor sample SSVI-04_20250424 collected in a 2.7-L SUMMA[®] canister using a 2-hour flow controller.



440 Park Avenue South, 7th Floor
New York, NY 10016

Soil Vapor Sample Log

Project Name:	485 Van Sinderen Avenue	Point Installed By:	Coastal Environmental Solutions
Project Location:	485 Van Sinderen Avenue	Installation Method:	Geoprobe DPP
Project Number:	170447	Sampled By:	C. Walters
Client:	Jean's Place HDPC	Date:	4/25/2025
		Weather:	51-71°F, Mostly Clear

Sample Setup

Vapor Point Depth:	120	Inches	Purge Time:	10 minutes
Tubing Volume:	0.375	In ³	Purge Volume:	2L
Purging Pump:	GilAir Plus		Purged Vapor PID:	2.6 ppm
Pump Flow Rate*:	0.2	L/min	Helium Concentration:	ND %

Sample Identification

Soil Vapor Point ID:	SSVI-05	SUMMA[®] Canister ID:	3458
Flow Controller ID:	1076	Soil Vapor Sample ID:	SSVI-05_20250424

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	10:36	-30.27	ND	NA
Time Halfway:	11:36	-9.17	ND	NA
Time Stopped:	12:36	-0.51	ND	NA

Notes:

ND = non-detect ppm = parts per million L/min = Liters per minute in/Hg = inches of mercury
Soil vapor sample SSVI-05_20250424 collected in a 2.7-L SUMMA[®] canister using a 2-hour flow controller.



440 Park Avenue South, 7th Floor
New York, NY 10016

Soil Vapor Sample Log

Project Name:	485 Van Sinderen Aveune	Point Installed By:	Coastal Environmental Solutions
Project Location:	485 Van Sinderen Avenue	Installation Method:	Geoprobe DPP
Project Number:	170447	Sampled By:	C. Walters
Client:	Jean's Place HDPC	Date:	4/25/2025
		Weather:	51-71°F, Mostly Clear

Sample Setup

Vapor Point Depth:	120	Inches	Purge Time:	10 minutes
Tubing Volume:	0.375	In ³	Purge Volume:	2L
Purging Pump:	GilAir Plus		Purged Vapor PID:	3.7 ppm
Pump Flow Rate*:	0.2	L/min	Helium Concentration:	ND %

Sample Identification

Soil Vapor Point ID:	SSVI-06	SUMMA[®] Canister ID:	539
Flow Controller ID:	934	Soil Vapor Sample ID:	SSVI-06_20250424

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	10:36	-30.63	ND	NA
Time Halfway:	11:36	-13.98	ND	NA
Time Stopped:	12:36	-5.89	ND	NA

Notes:

ND = non-detect ppm = parts per million L/min = Liters per minute in/Hg = inches of mercury
Soil vapor sample SSVI-06_20250424 collected in a 2.7-L SUMMA[®] canister using a 2-hour flow controller.



440 Park Avenue South, 7th Floor
New York, NY 10016

Soil Vapor Sample Log

Project Name:	485 Van Sinderen Avenue	Point Installed By:	Coastal Environmental Solutions
Project Location:	485 Van Sinderen Avenue	Installation Method:	Geoprobe DPP
Project Number:	170447	Sampled By:	C. Walters
Client:	Jean's Place HDPC	Date:	4/25/2025
		Weather:	51-71°F, Mostly Clear

Sample Setup

Vapor Point Depth:	120	Inches	Purge Time:	10 minutes
Tubing Volume:	0.375	In ³	Purge Volume:	2L
Purging Pump:	GilAir Plus		Purged Vapor PID:	2.8 ppm
Pump Flow Rate*:	0.2	L/min	Helium Concentration:	ND %

Sample Identification

Soil Vapor Point ID:	SSVI-07	SUMMA[®] Canister ID:	3181
Flow Controller ID:	02686	Soil Vapor Sample ID:	SSVI-07_20250424

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	10:36	-30.71	ND	NA
Time Halfway:	11:36	-10.52	ND	NA
Time Stopped:	12:36	-0.90	ND	NA

Notes:

ND = non-detect ppm = parts per million L/min = Liters per minute in/Hg = inches of mercury
Soil vapor sample SSVI-07_20250424 collected in a 2.7-L SUMMA[®] canister using a 2-hour flow controller.



440 Park Avenue South, 7th Floor
New York, NY 10016

Soil Vapor Sample Log

Project Name:	485 Van Sinderen Avenue	Point Installed By:	Coastal Environmental Solutions
Project Location:	485 Van Sinderen Avenue	Installation Method:	Geoprobe DPP
Project Number:	170447	Sampled By:	C. Walters
Client:	Jean's Place HDPC	Date:	4/25/2025
		Weather:	51-71°F, Mostly Clear

Sample Setup

Vapor Point Depth:	120	Inches	Purge Time:	10 minutes
Tubing Volume:	0.375	In ³	Purge Volume:	2L
Purging Pump:	GilAir Plus		Purged Vapor PID:	2.4 ppm
Pump Flow Rate*:	0.2	L/min	Helium Concentration:	ND %

Sample Identification

Soil Vapor Point ID:	SSVI-08	SUMMA[®] Canister ID:	523
Flow Controller ID:	523	Soil Vapor Sample ID:	SSVI-08_2050424

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	12:57	-29.77	ND	NA
Time Halfway:	NA	NA	NA	NA
Time Stopped:	13:34	-0.12	ND	SV sample stopped before the 2-hour hold time.

Notes:

ND = non-detect ppm = parts per million L/min = Liters per minute in/Hg = inches of mercury
Soil vapor sample SSVI-08_2050424 collected in a 2.7-L SUMMA[®] canister using a 2-hour flow controller.

ATTACHMENT B
LABORATORY ANALYTICAL DATA REPORT



Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2525337

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

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	10
Sample Log-in Sheet	13
Lims COC (LN01)	14
External Chain of Custody	16
Supporting Documentation	17
Air Canister Report	18
Air Canister Certification Results	20
Organics Analysis	37
Volatile Organics in Air TO-15 Low Level	38
Volatiles QC Summary	39
Form 3 - Organics	40
Form 4 - Organics	43
Form 5 - Organics	44
Form 8 - Organics	46
MDL Study - Volatile Organics in Air: TO-15	47
Volatiles Sample Data	50
Form 1 - Organics	51
SSVI-01_20250424 (L2525337-01) Analyzed: 05/08/25 00:54	78
SSVI-02_20250424 (L2525337-02) Analyzed: 05/08/25 01:34	119
SSVI-03_20250424 (L2525337-03) Analyzed: 05/08/25 02:13	159
SSVI-04_20250424 (L2525337-04) Analyzed: 05/08/25 02:52	202
SSVI-05_20250424 (L2525337-05) Analyzed: 05/08/25 03:32	242
SSVI-06_20250424 (L2525337-06) Analyzed: 05/08/25 04:10	283
SSVI-07_20250424 (L2525337-07) Analyzed: 05/08/25 04:49	316
SSVI-08_20250424 (L2525337-08) Analyzed: 05/08/25 05:28	358
Volatile Standards Data	400
Initial Calibration	401
Form 6 - Organics	402
ICAL for AIRLAB19 on 03/24/25 ICAL22124	406
Initial Calibration Summary - Cal Date: 03/24/25 00:00	406
BFB Tune Injected on: 03/23/25 21:23	410
STD0.2 Injected on: 03/23/25 23:58	411
STD0.5 Injected on: 03/24/25 00:39	419
STD1.0 Injected on: 03/24/25 01:20	428
STD5.0 Injected on: 03/24/25 02:00	436
STD010 Injected on: 03/24/25 02:42	443
STD020 Injected on: 03/24/25 03:21	450
STD050 Injected on: 03/24/25 04:01	458
STD100 Injected on: 03/24/25 04:43	465
ICV Summary Form Injected on: 03/24/25 10:01	473
ICV Quant Injected on: 03/24/25 10:01	476
Continuing Calibration	482
Form 7 - Organics	483
CC Summary - AIRLAB19 Run: 05/07/25 11:24	486
CC Quant - WG2063684-2 AIRLAB19 Run: 05/07/25 11:24	489

Table of Contents

bfb tune - Inst. AIRLAB19 05/07/25 10:42	494
Volatiles Raw QC Data	495
Laboratory Method BI (WG2063684-4) Analyzed: 05/07/25 14:19	496
LCS Summary for WG2063684-3	508
Laboratory Control S (WG2063684-3) Analyzed: 05/07/25 12:06	511
Duplicate Sample (WG2063684-5) Analyzed: 05/08/25 00:15	579
Air Calculations	620
QC Batch WG2063684	622
ICAL Sequence for AIRLAB19 on 24-MAR-2025 00:00 ICAL22124	623
Instrument AIRLAB19 Run Date 05/07/25 Run ID R1962908	625

Project Name: 485 VAN SINDEREN AVENUE
Project Number: 170447

Lab Number: L2525337
Report Date: 05/08/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2525337-01	SSVI-01_20250424	SOIL_VAPOR	485 VAN SINDEREN AVE, BROOKLYN NY 11207	04/24/25 12:32	04/24/25
L2525337-02	SSVI-02_20250424	SOIL_VAPOR	485 VAN SINDEREN AVE, BROOKLYN NY 11207	04/24/25 12:32	04/24/25
L2525337-03	SSVI-03_20250424	SOIL_VAPOR	485 VAN SINDEREN AVE, BROOKLYN NY 11207	04/24/25 12:34	04/24/25
L2525337-04	SSVI-04_20250424	SOIL_VAPOR	485 VAN SINDEREN AVE, BROOKLYN NY 11207	04/24/25 12:35	04/24/25
L2525337-05	SSVI-05_20250424	SOIL_VAPOR	485 VAN SINDEREN AVE, BROOKLYN NY 11207	04/24/25 12:36	04/24/25
L2525337-06	SSVI-06_20250424	SOIL_VAPOR	485 VAN SINDEREN AVE, BROOKLYN NY 11207	04/24/25 12:36	04/24/25
L2525337-07	SSVI-07_20250424	SOIL_VAPOR	485 VAN SINDEREN AVE, BROOKLYN NY 11207	04/24/25 12:36	04/24/25
L2525337-08	SSVI-08_20250424	SOIL_VAPOR	485 VAN SINDEREN AVE, BROOKLYN NY 11207	04/24/25 13:34	04/24/25

Project Name: 485 VAN SINDEREN AVENUE
Project Number: 170447

Lab Number: L2525337
Report Date: 05/08/25

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 Pace 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, Pace'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 Pace 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: 485 VAN SINDEREN AVENUE
Project Number: 170447

Lab Number: L2525337
Report Date: 05/08/25

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on April 24, 2025. The canister certification data is provided as an addendum.

L2525337-06D and -07D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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:



Report Date: 05/09/25

Title: Technical Director/Representative

DATA PACKAGE 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.
LCSD	- 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.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
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.

Report Format: Data Usability Report



Footnotes

- 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.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: 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.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- 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

Report Format: Data Usability Report



Project Name: 485 VAN SINDEREN AVENUE
Project Number: 170447

Lab Number: L2525337
Report Date: 05/08/25

Data Qualifiers

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.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- ND or U** - Not detected at the reporting limit (RL) for the sample.

TYPICAL INSTRUMENT PARAMETERS

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	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	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	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 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

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

Pesticides/PCB/Herbicides:

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

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
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

Pace Job Number : L2525337

Received : 24-APR-2025

Account Name : AKRF, Inc.

Reviewer : Christopher J Anderson

Project Number : 170447

Project Name : 485 VAN SINDEREN AVENUE

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
NA	Absent/			

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 COC & sample labels? L2525337-05: FC ID #1076 vs. FC ID #0076 L2525337-08: FC ID #523 vs. FC ID #02342	YES
5) Are samples in appropriate containers for requested analysis?	YES
6) Are samples properly preserved for requested analysis?	YES
7) Are samples within holding time for requested analysis?	YES
8) All sampling equipment returned?	YES

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	NA

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
May 09 2025, 09:33 am

Login Number: L2525337
Account: AKRF-M-2 AKRF, Inc. Project: 170447
Received: 24APR25 Due Date: 01MAY25

Sample #	Client ID	Mat	PR	Collected
L2525337-01	SSVI-01_20250424	11	S0	24APR25 12:32
ASP-B Package Due Date: 05/01/25				
ASP-B, CAN-RENT, ENVIMPACT-FEE, FLOW-RENT, T015-LL				
L2525337-02	SSVI-02_20250424	11	S0	24APR25 12:32
Package Due Date: 05/01/25				
CAN-RENT, FLOW-RENT, T015-LL				
L2525337-03	SSVI-03_20250424	11	S0	24APR25 12:34
Package Due Date: 05/01/25				
CAN-RENT, FLOW-RENT, T015-LL				
L2525337-04	SSVI-04_20250424	11	S0	24APR25 12:35
Package Due Date: 05/01/25				
CAN-RENT, FLOW-RENT, T015-LL				
L2525337-05	SSVI-05_20250424	11	S0	24APR25 12:36
Package Due Date: 05/01/25				
CAN-RENT, FLOW-RENT, T015-LL				
L2525337-06	SSVI-06_20250424	11	S0	24APR25 12:36
Package Due Date: 05/01/25				
CAN-RENT, FLOW-RENT, T015-LL				
L2525337-07	SSVI-07_20250424	11	S0	24APR25 12:36
Package Due Date: 05/01/25				

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
May 09 2025, 09:33 am

Login Number: L2525337
Account: AKRF-M-2 AKRF, Inc. Project: 170447
Received: 24APR25 Due Date: 01MAY25

Sample #	Client ID	Mat PR Collected

CAN-RENT, FLOW-RENT, T015-LL		

L2525337-08 SSVI-08_20250424		

11 S0 24APR25 13:34

Package Due Date: 05/01/25

CAN-RENT, FLOW-RENT, T015-LL		



CHAIN OF CUSTODY

AIR ANALYSIS

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: AKRF Inc.

Address: 440 Park Avenue South

7th Floor New York, NY 10016

Phone:

Fax:

Email: jmcclintock@akrf.com☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

PAGE 1 OF 1

Date Rec'd in Lab: 4/25/25

ALPHA Job #: L2525337

Project Information

Project Name: 485 Van Sinderen Avenue

Project Location: 485 Van Sinderen Ave, Brooklyn, NY 11207

Project #: 170447

Project Manager: Tim McClintock

ALPHA Quote #:

Turn-Around Time

☒ Standard☐ RUSH (only confirmed if pre-approved!)

Date Due:

Time:

Report Information - Data Deliverables

☐ FAX☐ ADEx

Criteria Checker:

(Default based on Regulatory Criteria Indicated)

Other Formats:

☐ EMAIL (standard pdf report)☒ Additional Deliverables:

Cat B Deliverables, Equiv EDD

Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program Res / Comm

ANALYSIS

TO-15
TO-15 SIM
APH
Subtract Non-petroleum HCs
Fixed Gases
Sulfides & Mercaptans by TO-15

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION						Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15	APH	Fixed	Sulfide		Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum													
25337-01	SSV1-01-20250424	4/24/25	1032	1232	-30.31	-6.78	SV	CW	2.7L	2708	01046	X							
02	SSV1-02-20250424	4/24/25	1032	1232	-30.77	-6.21	SV	CW	2.7L	2804	01093	X							
03	SSV1-03-20250424	4/24/25	1034	1234	-30.50	-6.44	SV	CW	2.7L	3713	02346	X							
04	SSV1-04-20250424	4/24/25	1035	1235	-31.14	-5.70	SV	CW	2.7L	391	02090	X							
05	SSV1-05-20250424	4/24/25	1036	1236	-30.27	-0.51	SV	CW	2.7L	3458	1076	X							
06	SSV1-06-20250424	4/24/25	1036	1236	-30.63	-5.89	SV	CW	2.7L	539	0434	X							
07	SSV1-07-20250424	4/24/25	1036	1236	-30.71	-0.40	SV	CW	2.7L	3101	02686	X							
08	SSV1-08-20250424	4/24/25	1257	1334	-29.77	-0.12	SV	CW	2.7L	523	523	X							-Can run for less than 2 hrs

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:

Date/Time

Received By:

Date/Time:

WIFI Pace
Paul Macarella

4/24/25 1200
4/24/25 1840

WIFI Pace
Paul Macarella
4/24/25

4/24/25 1300
4/24/25 2045
4/25/25 0825

Supporting Documentation

Project Name: 485 VAN SINDEREN AVENUE

Lab Number: L2525337

Project Number: 170447

Report Date: 05/08/25

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2525337-01	SSVI-01_20250424	01046	Flow 3	04/24/25	516427		-	-	-	Pass	18.0	18.9	5
L2525337-01	SSVI-01_20250424	2768	2.7L Can	04/24/25	516427	L2522622-01	Pass	-29.6	-6.9	-	-	-	-
L2525337-02	SSVI-02_20250424	01693	Flow 3	04/24/25	516427		-	-	-	Pass	18.0	19.0	5
L2525337-02	SSVI-02_20250424	2864	2.7L Can	04/24/25	516427	L2522622-01	Pass	-29.6	-6.2	-	-	-	-
L2525337-03	SSVI-03_20250424	02346	Flow 3	04/24/25	516427		-	-	-	Pass	18.0	19.5	8
L2525337-03	SSVI-03_20250424	3713	2.7L Can	04/24/25	516427	L2522622-01	Pass	-29.6	-7.0	-	-	-	-
L2525337-04	SSVI-04_20250424	02090	Flow 3	04/24/25	516427		-	-	-	Pass	18.0	19.7	9
L2525337-04	SSVI-04_20250424	391	2.7L Can	04/24/25	516427	L2522622-01	Pass	-29.6	-5.8	-	-	-	-
L2525337-05	SSVI-05_20250424	0076	Flow 3	04/24/25	516427		-	-	-	Pass	18.0	27.3	41
L2525337-05	SSVI-05_20250424	3458	2.7L Can	04/24/25	516427	L2522622-01	Pass	-29.6	0.0	-	-	-	-
L2525337-06	SSVI-06_20250424	0934	Flow 3	04/24/25	516427		-	-	-	Pass	18.0	19.7	9
L2525337-06	SSVI-06_20250424	539	2.7L Can	04/24/25	516427	L2522622-01	Pass	-29.6	-6.0	-	-	-	-
L2525337-07	SSVI-07_20250424	02686	Flow 3	04/24/25	516427		-	-	-	Pass	18.0	27.1	40
L2525337-07	SSVI-07_20250424	3181	2.7L Can	04/24/25	516427	L2522622-01	Pass	-29.6	-1.1	-	-	-	-
L2525337-08	SSVI-08_20250424	02342	Flow 1	04/24/25	517868		-	-	-	Pass	39.9	45.0	12

Project Name: 485 VAN SINDEREN AVENUE
Project Number: 170447

Lab Number: L2525337
Report Date: 05/08/25

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2525337-08	SSVI-08_20250424	523	2.7L Can	04/24/25	517868	L2453453-02	Pass	-29.9	0.0	-	-	-	-



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2453453
Report Date: 05/08/25

Air Canister Certification Results

Lab ID: L2453453-02
Client ID: CAN 540 SHELF 4
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 09/18/24 17:36
Analyst: JFI

Date Collected: 09/17/24 16:00
Date Received: 09/18/24
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2453453
Report Date: 05/08/25

Air Canister Certification Results

Lab ID: L2453453-02
 Client ID: CAN 540 SHELF 4
 Sample Location:

Date Collected: 09/17/24 16:00
 Date Received: 09/18/24
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2453453
Report Date: 05/08/25

Air Canister Certification Results

Lab ID: L2453453-02
 Client ID: CAN 540 SHELF 4
 Sample Location:

Date Collected: 09/17/24 16:00
 Date Received: 09/18/24
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air								
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2453453
Report Date: 05/08/25

Air Canister Certification Results

Lab ID: L2453453-02
 Client ID: CAN 540 SHELF 4
 Sample Location:

Date Collected: 09/17/24 16:00
 Date Received: 09/18/24
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air								
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2453453
Report Date: 05/08/25

Air Canister Certification Results

Lab ID: L2453453-02
Client ID: CAN 540 SHELF 4
Sample Location:

Date Collected: 09/17/24 16:00
Date Received: 09/18/24
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	97		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2453453
Report Date: 05/08/25

Air Canister Certification Results

Lab ID: L2453453-02
Client ID: CAN 540 SHELF 4
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 09/18/24 17:36
Analyst: JFI

Date Collected: 09/17/24 16:00
Date Received: 09/18/24
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2453453
Report Date: 05/08/25

Air Canister Certification Results

Lab ID: L2453453-02
 Client ID: CAN 540 SHELF 4
 Sample Location:

Date Collected: 09/17/24 16:00
 Date Received: 09/18/24
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2453453
Report Date: 05/08/25

Air Canister Certification Results

Lab ID: L2453453-02
Client ID: CAN 540 SHELF 4
Sample Location:

Date Collected: 09/17/24 16:00
Date Received: 09/18/24
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM								
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	100		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	98		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2522622
Report Date: 05/08/25

Air Canister Certification Results

Lab ID: L2522622-01
Client ID: CAN 2348 SHELF 13
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 04/17/25 00:57
Analyst: KJD

Date Collected: 04/12/25 15:00
Date Received: 04/14/25
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	8.60	5.00	--	11.3	6.55	--	B	1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	1.00	--	ND	2.46	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2522622
Report Date: 05/08/25

Air Canister Certification Results

Lab ID: L2522622-01
Client ID: CAN 2348 SHELF 13
Sample Location:

Date Collected: 04/12/25 15:00
Date Received: 04/14/25
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2522622
Report Date: 05/08/25

Air Canister Certification Results

Lab ID: L2522622-01
 Client ID: CAN 2348 SHELF 13
 Sample Location:

Date Collected: 04/12/25 15:00
 Date Received: 04/14/25
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air								
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2522622
Report Date: 05/08/25

Air Canister Certification Results

Lab ID: L2522622-01
Client ID: CAN 2348 SHELF 13
Sample Location:

Date Collected: 04/12/25 15:00
Date Received: 04/14/25
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air								
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	0.996	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2522622
Report Date: 05/08/25

Air Canister Certification Results

Lab ID: L2522622-01
Client ID: CAN 2348 SHELF 13
Sample Location:

Date Collected: 04/12/25 15:00
Date Received: 04/14/25
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	93		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2522622
Report Date: 05/08/25

Air Canister Certification Results

Lab ID: L2522622-01
Client ID: CAN 2348 SHELF 13
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 04/17/25 21:46
Analyst: KJD

Date Collected: 04/12/25 15:00
Date Received: 04/14/25
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air								
Vinyl acetate	ND	1.00	--	ND	3.52	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	98		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2522622
Report Date: 05/08/25

Air Canister Certification Results

Lab ID: L2522622-01
 Client ID: CAN 2348 SHELF 13
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/17/25 00:57
 Analyst: KJD

Date Collected: 04/12/25 15:00
 Date Received: 04/14/25
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	0.045	0.020	--	0.220	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2522622
Report Date: 05/08/25

Air Canister Certification Results

Lab ID: L2522622-01
 Client ID: CAN 2348 SHELF 13
 Sample Location:

Date Collected: 04/12/25 15:00
 Date Received: 04/14/25
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM								
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2522622
Report Date: 05/08/25

Air Canister Certification Results

Lab ID: L2522622-01
Client ID: CAN 2348 SHELF 13
Sample Location:

Date Collected: 04/12/25 15:00
Date Received: 04/14/25
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	91		60-140



Organics

Volatile Organics in Air TO-15 Low Level

Volatiles QC Summary

Laboratory Control Sample Summary

Form 3

Air Volatiles

Client : AKRF, Inc. Lab Number : L2525337
 Project Name : 485 VAN SINDEREN AVENUE Project Number : 170447
 Matrix (Level) : SOIL_VAPOR (LOW)
 LCS Sample ID : WG2063684-3 Analysis Date : 05/07/25 12:06 File ID : r1934341
 LCSD Sample ID : Analysis Date : File ID :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R			
Dichlorodifluoromethane	10	10.9	109				-	70-130	-
Chloromethane	10	10.2	102				-	70-130	-
Freon-114	10	11.3	113				-	70-130	-
Vinyl chloride	10	10.1	101				-	70-130	-
1,3-Butadiene	10	10.1	101				-	70-130	-
Bromomethane	10	7.82	78				-	70-130	-
Chloroethane	10	9.06	91				-	70-130	-
Ethanol	50	44.8	90				-	40-160	-
Vinyl bromide	10	10.0	100				-	70-130	-
Acetone	50	52.2	104				-	40-160	-
Trichlorofluoromethane	10	11.4	114				-	70-130	-
Isopropanol	25	26.3	105				-	40-160	-
1,1-Dichloroethene	10	11.0	110				-	70-130	-
Tertiary butyl Alcohol	10	9.26	93				-	70-130	-
Methylene chloride	10	11.4	114				-	70-130	-
3-Chloropropene	10	10.7	107				-	70-130	-
Carbon disulfide	10	10.8	108				-	70-130	-
Freon-113	10	10.6	106				-	70-130	-
trans-1,2-Dichloroethene	10	10.5	105				-	70-130	-
1,1-Dichloroethane	10	10.3	103				-	70-130	-
Methyl tert butyl ether	10	11.0	110				-	70-130	-
2-Butanone	10	11.2	112				-	70-130	-
cis-1,2-Dichloroethene	10	10.4	104				-	70-130	-
Ethyl Acetate	10	10.8	108				-	70-130	-
Chloroform	10	11.0	110				-	70-130	-
Tetrahydrofuran	10	11.6	116				-	70-130	-



Laboratory Control Sample Summary

Form 3

Air Volatiles

Client : AKRF, Inc. Lab Number : L2525337
 Project Name : 485 VAN SINDEREN AVENUE Project Number : 170447
 Matrix (Level) : SOIL_VAPOR (LOW)
 LCS Sample ID : WG2063684-3 Analysis Date : 05/07/25 12:06 File ID : r1934341
 LCSD Sample ID : Analysis Date : File ID :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R			
1,2-Dichloroethane	10	11.2	112				-	70-130	-
n-Hexane	10	9.97	100				-	70-130	-
1,1,1-Trichloroethane	10	11.4	114				-	70-130	-
Benzene	10	10.7	107				-	70-130	-
Carbon tetrachloride	10	12.4	124				-	70-130	-
Cyclohexane	10	10.6	106				-	70-130	-
1,2-Dichloropropane	10	10.5	105				-	70-130	-
Bromodichloromethane	10	12.0	120				-	70-130	-
1,4-Dioxane	10	11.3	113				-	70-130	-
Trichloroethene	10	10.4	104				-	70-130	-
2,2,4-Trimethylpentane	10	10.9	109				-	70-130	-
Heptane	10	11.6	116				-	70-130	-
cis-1,3-Dichloropropene	10	11.9	119				-	70-130	-
4-Methyl-2-pentanone	10	11.8	118				-	70-130	-
trans-1,3-Dichloropropene	10	12.9	129				-	70-130	-
1,1,2-Trichloroethane	10	10.6	106				-	70-130	-
Toluene	10	9.42	94				-	70-130	-
2-Hexanone	10	10.0	100				-	70-130	-
Dibromochloromethane	10	9.98	100				-	70-130	-
1,2-Dibromoethane	10	9.49	95				-	70-130	-
Tetrachloroethene	10	8.64	86				-	70-130	-
Chlorobenzene	10	9.32	93				-	70-130	-
Ethylbenzene	10	9.65	96				-	70-130	-
p/m-Xylene	20	19.9	100				-	70-130	-
Bromoform	10	10.3	103				-	70-130	-
Styrene	10	9.46	95				-	70-130	-



Laboratory Control Sample Summary

Form 3

Air Volatiles

Client : AKRF, Inc. Lab Number : L2525337
 Project Name : 485 VAN SINDEREN AVENUE Project Number : 170447
 Matrix (Level) : SOIL_VAPOR (LOW)
 LCS Sample ID : WG2063684-3 Analysis Date : 05/07/25 12:06 File ID : r1934341
 LCSD Sample ID : Analysis Date : File ID :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R			
1,1,2,2-Tetrachloroethane	10	9.91	99				-	70-130	-
o-Xylene	10	10.2	102				-	70-130	-
4-Ethyltoluene	10	9.89	99				-	70-130	-
1,3,5-Trimethylbenzene	10	10.1	101				-	70-130	-
1,2,4-Trimethylbenzene	10	9.87	99				-	70-130	-
Benzyl chloride	10	9.73	97				-	70-130	-
1,3-Dichlorobenzene	10	9.92	99				-	70-130	-
1,4-Dichlorobenzene	10	10.0	100				-	70-130	-
1,2-Dichlorobenzene	10	9.59	96				-	70-130	-
1,2,4-Trichlorobenzene	10	8.46	85				-	70-130	-
Naphthalene	10	7.79	78				-	70-130	-
Hexachlorobutadiene	10	9.38	94				-	70-130	-



Method Blank Summary
Form 4
Air Volatiles

Client	: AKRF, Inc.	Lab Number	: L2525337
Project Name	: 485 VAN SINDEREN AVENUE	Project Number	: 170447
Lab Sample ID	: WG2063684-4	Lab File ID	: r1934343
Instrument ID	: AIRLAB19		
Matrix	: SOIL_VAPOR	Analysis Date	: 05/07/25 14:19

Client Sample No.	Lab Sample ID	Analysis Date
WG2063684-3LCS	WG2063684-3	05/07/25 12:06
SSV-3-BDUP	WG2063684-5	05/08/25 00:15
SSVI-01_20250424	L2525337-01	05/08/25 00:54
SSVI-02_20250424	L2525337-02	05/08/25 01:34
SSVI-03_20250424	L2525337-03	05/08/25 02:13
SSVI-04_20250424	L2525337-04	05/08/25 02:52
SSVI-05_20250424	L2525337-05	05/08/25 03:32
SSVI-06_20250424	L2525337-06D	05/08/25 04:10
SSVI-07_20250424	L2525337-07D	05/08/25 04:49
SSVI-08_20250424	L2525337-08	05/08/25 05:28



Instrument Performance Check (Tune) Summary

Form 5

Air Volatiles

Bromofluorobenzene (BFB)

Client : AKRF, Inc.	Lab Number : L2525337
Project Name : 485 VAN SINDEREN AVENUE	Project Number : 170447
Instrument ID : AIRLAB19	Analysis Date : 03/23/25 21:23
Tune Standard : WG2044552-1	Tune File ID : r1933397_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	11.8
75	30.0 - 66.0% of mass 95	30.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (.7)1
174	50.0 - 120.0% of mass 95	66.7
175	4.0 - 9.0% of mass 174	4.9 (7.3)1
176	93.0 - 101% of mass 174	65.3 (98)1
177	5.0 - 9.0% of mass 176	4.4 (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
STD0.2	R1944563-1	R1933401	03/23/25 23:58
STD0.5	R1944563-2	R1933402	03/24/25 00:39
STD1.0	R1944563-3	R1933403	03/24/25 01:20
STD5.0	R1944563-4	R1933404	03/24/25 02:00
STD010	R1944563-5	R1933405	03/24/25 02:42
STD020	R1944563-6	R1933406	03/24/25 03:21
STD050	R1944563-7	R1933407	03/24/25 04:01
STD100	R1944563-8	R1933408	03/24/25 04:43
ICV Quant	R1944563-9	R1933411	03/24/25 10:01



Instrument Performance Check (Tune) Summary

Form 5

Air Volatiles

Bromofluorobenzene (BFB)

Client : AKRF, Inc.	Lab Number : L2525337
Project Name : 485 VAN SINDEREN AVENUE	Project Number : 170447
Instrument ID : AIRLAB19	Analysis Date : 05/07/25 10:42
Tune Standard : WG2063684-1	Tune File ID : r1934339_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	13.8
75	30.0 - 66.0% of mass 95	34.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (.7)1
174	50.0 - 120.0% of mass 95	63.9
175	4.0 - 9.0% of mass 174	4.5 (7)1
176	93.0 - 101% of mass 174	61.7 (96.5)1
177	5.0 - 9.0% of mass 176	4 (6.4)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
WG2063684-2CCAL	WG2063684-2	R1934340	05/07/25 11:24
WG2063684-3LCS	WG2063684-3	R1934341	05/07/25 12:06
WG2063684-4BLANK	WG2063684-4	R1934343	05/07/25 14:19
WG2063684-5DUP	WG2063684-5	R1934356	05/08/25 00:15
SSVI-01_20250424	L2525337-01	R1934357	05/08/25 00:54
SSVI-02_20250424	L2525337-02	R1934358	05/08/25 01:34
SSVI-03_20250424	L2525337-03	R1934359	05/08/25 02:13
SSVI-04_20250424	L2525337-04	R1934360	05/08/25 02:52
SSVI-05_20250424	L2525337-05	R1934361	05/08/25 03:32
SSVI-06_20250424	L2525337-06D	R1934362	05/08/25 04:10
SSVI-07_20250424	L2525337-07D	R1934363	05/08/25 04:49
SSVI-08_20250424	L2525337-08	R1934364	05/08/25 05:28



Internal Standard Area and RT Summary

Form 8a

Air Volatiles

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Instrument ID : AIRLAB19
 Sample No : WG2063684-2

Lab Number : L2525337
 Project Number : 170447
 Analysis Date : 05/07/25 11:24:00
 Lab File ID : R1934340

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
WG2063684-2	339843	8.78	931395	10.92	169143	15.60
Upper Limit	475780	9.11	1303953	11.25	236800	15.93
Lower Limit	203906	8.45	558837	10.59	101486	15.27
Sample ID						
WG2063684-3 LCS	348440	8.78	1015696	10.92	180655	15.60
WG2063684-4 BLANK	335407	8.78	883984	10.92	154486	15.60
SSV-3-B DUP	341746	8.79	972143	10.93	149997	15.60
SSVI-01_20250424	348006	8.78	999661	10.92	154458	15.60
SSVI-02_20250424	343546	8.79	982262	10.92	150997	15.60
SSVI-03_20250424	342729	8.76	1013224	10.91	144757	15.60
SSVI-04_20250424	334180	8.78	960735	10.92	137905	15.60
SSVI-05_20250424	334425	8.78	1032298	10.92	142611	15.60
SSVI-06_20250424	323227	8.78	986555	10.92	134528	15.60
SSVI-07_20250424	325437	8.79	1002190	10.92	136638	15.60
SSVI-08_20250424	331472	8.78	961667	10.92	131579	15.60

Area Upper Limit = +40% of internal standard area
 Area Lower Limit = - 40% of internal standard area

RT Upper Limit = +0.33 minutes of internal standard RT
 RT Lower Limit = -0.33 minutes of internal standard RT

* Values outside of QC limits





Date Created: 04/17/25
Created By: Jason Hebert
File: PM19301-1
Page: 1

Volatile Organics in Air: TO-15 (AIR)

Holding Time: 30 days
Container/Sample Preservation: 1 - Generic Air Can for Bottleorder

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,1,1-Trichloroethane	71-55-6	0.2	0.0614	ppbV	70-130			25	25			
1,1,2,2-Tetrachloroethane	79-34-5	0.2	0.052	ppbV	70-130			25	25			
1,1,2-Trichloroethane	79-00-5	0.2	0.0582	ppbV	70-130			25	25			
1,1-Dichloroethane	75-34-3	0.2	0.0568	ppbV	70-130			25	25			
1,1-Dichloroethene	75-35-4	0.2	0.0568	ppbV	70-130			25	25			
1,2,3-Trimethylbenzene	526-73-8	0.2	0.0576	ppbV	70-130			25	25			
1,2,4-Trichlorobenzene	120-82-1	0.2	0.1	ppbV	70-130			25	25			
1,2,4-Trimethylbenzene	95-63-6	0.2	0.0577	ppbV	70-130			25	25			
1,2,4,5-Tetramethylbenzene	95-93-2	0.2	0.135	ppbV	70-130			25	25			
1,2-Dibromoethane	106-93-4	0.2	0.0544	ppbV	70-130			25	25			
1,2-Dichlorobenzene	95-50-1	0.2	0.0619	ppbV	70-130			25	25			
1,2-Dichloroethane	107-06-2	0.2	0.0787	ppbV	70-130			25	25			
1,2-Dichloropropane	78-87-5	0.2	0.0631	ppbV	70-130			25	25			
1,3,5-Trimethylbenzene	108-67-8	0.2	0.06	ppbV	70-130			25	25			
1,3-Butadiene	106-99-0	0.2	0.0619	ppbV	70-130			25	25			
1,3-Dichlorobenzene	541-73-1	0.2	0.0777	ppbV	70-130			25	25			
1,4-Dichlorobenzene	106-46-7	0.2	0.0826	ppbV	70-130			25	25			
1,4-Dioxane	123-91-1	0.2	0.0538	ppbV	70-130			25	25			
2,2,4-Trimethylpentane	540-84-1	0.2	0.0692	ppbV	70-130			25	25			
2-Butanone	78-93-3	0.5	0.099	ppbV	70-130			25	25			
2-Hexanone	591-78-6	0.2	0.0912	ppbV	70-130			25	25			
2-Methylthiophene	554-14-3	0.2	0.0622	ppbV	70-130			25	25			
3-Methylthiophene	616-44-4	0.2	0.0634	ppbV	70-130			25	25			
3-Chloropropene	107-05-1	0.2	0.086	ppbV	70-130			25	25			
2-Ethylthiophene	872-55-9	0.2	0.0612	ppbV	70-130			25	25			
4-Ethyltoluene	622-96-8	0.2	0.0554	ppbV	70-130			25	25			
Acetone	67-64-1	1	0.515	ppbV	40-160			25	25			
Benzene	71-43-2	0.2	0.0643	ppbV	70-130			25	25			
Benzyl chloride	100-44-7	0.2	0.0939	ppbV	70-130			25	25			
Benzoethiophene	95-15-8	0.5	0.273	ppbV	70-130			25	25			
Bromodichloromethane	75-27-4	0.2	0.0689	ppbV	70-130			25	25			
Bromoform	75-25-2	0.2	0.0596	ppbV	70-130			25	25			
Bromomethane	74-83-9	0.2	0.0547	ppbV	70-130			25	25			
Carbon disulfide	75-15-0	0.2	0.0465	ppbV	70-130			25	25			
Carbon tetrachloride	56-23-5	0.2	0.0686	ppbV	70-130			25	25			
Chlorobenzene	108-90-7	0.2	0.0516	ppbV	70-130			25	25			
Chloroethane	75-00-3	0.2	0.0649	ppbV	70-130			25	25			
Chloroform	67-66-3	0.2	0.0552	ppbV	70-130			25	25			
Chloromethane	74-87-3	0.2	0.0576	ppbV	70-130			25	25			
cis-1,2-Dichloroethene	156-59-2	0.2	0.0595	ppbV	70-130			25	25			
cis-1,3-Dichloropropene	10061-01-5	0.2	0.0674	ppbV	70-130			25	25			
Cyclohexane	110-82-7	0.2	0.0728	ppbV	70-130			25	25			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.



8 Walkup Drive, Westborough, Massachusetts 01581 • 508-898-9220 • www.alphalab.com

Westborough, MA • Mansfield, MA • Bangor, ME • Portsmouth, NH • Mahwah, NJ • Albany, NY • Buffalo, NY • Holmes, PA





Date Created: 04/17/25
Created By: Jason Hebert
File: PM19301-1
Page: 2

Volatile Organics in Air: TO-15 (AIR)

Holding Time: 30 days
Container/Sample Preservation: 1 - Generic Air Can for Bottleorder

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dibromochloromethane	124-48-1	0.2	0.0566	ppbV	70-130			25	25			
Dichlorodifluoromethane	75-71-8	0.2	0.0757	ppbV	70-130			25	25			
Ethyl Alcohol	GCDAI06	5	1.74	ppbV	40-160			25	25			
Ethyl Acetate	141-78-6	0.5	0.297	ppbV	70-130			25	25			
Ethylbenzene	100-41-4	0.2	0.0575	ppbV	70-130			25	25			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	0.2	0.0506	ppbV	70-130			25	25			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2	0.2	0.0504	ppbV	70-130			25	25			
Hexachlorobutadiene	87-68-3	0.2	0.0607	ppbV	70-130			25	25			
iso-Propyl Alcohol	67-63-0	1	0.272	ppbV	40-160			25	25			
Methylene chloride	75-09-2	0.5	0.125	ppbV	70-130			25	25			
4-Methyl-2-pentanone	108-10-1	0.5	0.19	ppbV	70-130			25	25			
Methyl tert butyl ether	1634-04-4	0.2	0.045	ppbV	70-130			25	25			
Methyl Methacrylate	80-62-6	0.5	0.226	ppbV	40-160			25	25			
p/m-Xylene	179601-23-1	0.4	0.125	ppbV	70-130			25	25			
o-Xylene	95-47-6	0.2	0.0621	ppbV	70-130			25	25			
Xylene (Total)	1330-20-7	0.2	0.0621	ppbV				25	25			
Heptane	142-82-5	0.2	0.0828	ppbV	70-130			25	25			
n-Heptane	142-82-5	0.2	0.0828	ppbV	70-130			25	25			
n-Hexane	110-54-3	0.2	0.0743	ppbV	70-130			25	25			
Propylene	115-07-1	0.5	0.135	ppbV	70-130			25	25			
Styrene	100-42-5	0.2	0.0596	ppbV	70-130			25	25			
Tetrachloroethene	127-18-4	0.2	0.0627	ppbV	70-130			25	25			
Thiophene	110-02-1	0.2	0.052	ppbV	70-130			25	25			
Tetrahydrofuran	109-99-9	0.5	0.117	ppbV	70-130			25	25			
Toluene	108-88-3	0.2	0.0867	ppbV	70-130			25	25			
trans-1,2-Dichloroethene	156-60-5	0.2	0.0755	ppbV	70-130			25	25			
1,2-Dichloroethene (total)	540-59-0	0.2	0.0595	ppbV				25	25			
trans-1,3-Dichloropropene	10061-02-6	0.2	0.0783	ppbV	70-130			25	25			
1,3-Dichloropropene, Total	542-75-6	0.2	0.0674	ppbV				25	25			
Trichloroethene	79-01-6	0.2	0.0548	ppbV	70-130			25	25			
Trichlorofluoromethane	75-69-4	0.2	0.0787	ppbV	70-130			25	25			
Vinyl acetate	108-05-4	1	0.323	ppbV	70-130			25	25			
Vinyl bromide	593-60-2	0.2	0.0722	ppbV	70-130			25	25			
Vinyl chloride	75-01-4	0.2	0.0582	ppbV	70-130			25	25			
Naphthalene	91-20-3	0.19	0.059	ppbV	70-130			25	25			
Total HC As Hexane	NONE	10	0.0743	ppbV	70-130			25	25			
Total VOCs As Toluene	NONE	10	0.0867	ppbV	70-130			25	25			
Propane	74-98-6	0.5	0.152	ppbV	70-130			25	25			
Acrylonitrile	107-13-1	0.5	0.0894	ppbV	70-130			25	25			
Acrolein	107-02-8	0.5	0.149	ppbV	60-113			25	25			
1,1,1,2-Tetrachloroethane	630-20-6	0.2	0.0508	ppbV	70-130			25	25			
Isopropylbenzene	98-82-8	0.2	0.0621	ppbV	70-130			25	25			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.



8 Walkup Drive, Westborough, Massachusetts 01581 • 508-898-9220 • www.alphalab.com

Westborough, MA • Mansfield, MA • Bangor, ME • Portsmouth, NH • Mahwah, NJ • Albany, NY • Buffalo, NY • Holmes, PA





Date Created: 04/17/25
Created By: Jason Hebert
File: PM19301-1
Page: 3

Volatile Organics in Air: TO-15 (AIR)

Holding Time: 30 days
Container/Sample Preservation: 1 - Generic Air Can for Bottleorder

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,2,3-Trichloropropane	96-18-4	0.2	0.0575	ppbV	70-130			25	25			
Acetonitrile	75-05-8	0.2	0.101	ppbV	70-130			25	25			
Bromobenzene	108-86-1	0.2	0.0579	ppbV	70-130			25	25			
Chlorodifluoromethane	75-45-6	0.2	0.0463	ppbV	70-130			25	25			
Dichlorofluoromethane	75-43-4	0.2	0.112	ppbV	70-130			25	25			
Dibromomethane	74-95-3	0.2	0.0598	ppbV	70-130			25	25			
Pentane	109-66-0	0.2	0.113	ppbV	70-130			25	25			
Octane	111-65-9	0.2	0.0676	ppbV	70-130			25	25			
Tertiary-Amyl Methyl Ether	994-05-8	0.2	0.0672	ppbV	70-130			25	25			
o-Chlorotoluene	95-49-8	0.2	0.0761	ppbV	70-130			25	25			
p-Chlorotoluene	106-43-4	0.2	0.0765	ppbV	70-130			25	25			
2,2-Dichloropropane	594-20-7	0.2	0.0429	ppbV	70-130			25	25			
1,1-Dichloropropene	563-58-6	0.2	0.0593	ppbV	70-130			25	25			
Isopropyl Ether	108-20-3	0.2	0.0631	ppbV	70-130			25	25			
Ethyl-Tert-Butyl-Ether	637-92-3	0.2	0.0731	ppbV	70-130			25	25			
1,2,3-Trichlorobenzene	87-61-6	0.2	0.0738	ppbV	70-130			25	25			
Ethyl ether	60-29-7	0.2	0.0853	ppbV	70-130			25	25			
n-Butylbenzene	104-51-8	0.2	0.0536	ppbV	70-130			25	25			
sec-Butylbenzene	135-98-8	0.2	0.0547	ppbV	70-130			25	25			
tert-Butylbenzene	98-06-6	0.2	0.0551	ppbV	70-130			25	25			
1,2-Dibromo-3-chloropropane	96-12-8	0.2	0.0624	ppbV	70-130			25	25			
p-Isopropyltoluene	99-87-6	0.2	0.0567	ppbV	70-130			25	25			
n-Propylbenzene	103-65-1	0.2	0.0633	ppbV	70-130			25	25			
1,3-Dichloropropane	142-28-9	0.2	0.0536	ppbV	70-130			25	25			
Methanol	67-56-1	5	3.029	ppbV	70-130			25	25			
Acetaldehyde	75-07-0	2.5	1.73	ppbV	70-130			25	25			
Butane	106-97-8	0.2	0.08	ppbV	70-130			25	25			
Nonane (C9)	111-84-2	0.2	0.0737	ppbV	70-130			25	25			
Decane (C10)	124-18-5	0.2	0.0697	ppbV	70-130			25	25			
Undecane	1120-21-4	0.2	0.0709	ppbV	70-130			25	25			
Indane	496-11-7	0.2	0.0591	ppbV	70-130			25	25			
Indene	95-13-6	0.2	0.0711	ppbV	70-130			25	25			
1-Methylnaphthalene	90-12-0	1	0.264	ppbV	70-130			25	25			
Dodecane (C12)	112-40-3	0.2	0.0891	ppbV	70-130			25	25			
Butyl Acetate	123-86-4	0.5	0.208	ppbV	70-130			25	25			
tert-Butyl Alcohol	75-65-0	0.5	0.132	ppbV	70-130			25	25			
2-Methylnaphthalene	91-57-6	1	0.259	ppbV	70-130			25	25			
1,2-Dichloroethane-d4	17060-07-0										70-130	
Toluene-d8	2037-26-5										70-130	
Bromofluorobenzene	460-00-4										70-130	

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.



8 Walkup Drive, Westborough, Massachusetts 01581 • 508-898-9220 • www.alphalab.com

Westborough, MA • Mansfield, MA • Bangor, ME • Portsmouth, NH • Mahwah, NJ • Albany, NY • Buffalo, NY • Holmes, PA



Volatiles Sample Data

Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : L2525337-01
 Client ID : SSVI-01_20250424
 Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934357
 Sample Amount : 250 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : 04/24/25 12:32
 Date Received : 04/24/25
 Date Analyzed : 05/08/25 00:54
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.414	0.200	--	2.05	0.989	--	
74-87-3	Chloromethane	0.338	0.200	--	0.698	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	0.432	0.200	--	0.956	0.442	--	
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	87.6	1.00	--	208	2.38	--	
75-69-4	Trichlorofluoromethane	0.200	0.200	--	1.12	1.12	--	
67-63-0	Isopropanol	7.19	1.00	--	17.7	2.46	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	5.74	0.500	--	17.4	1.52	--	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.449	0.200	--	1.40	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	2.50	0.500	--	7.37	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : L2525337-01
 Client ID : SSVI-01_20250424
 Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934357
 Sample Amount : 250 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : 04/24/25 12:32
 Date Received : 04/24/25
 Date Analyzed : 05/08/25 00:54
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.902	0.200	--	3.18	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	0.532	0.200	--	1.70	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	0.309	0.200	--	1.06	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	2.67	0.200	--	14.3	1.07	--	
540-84-1	2,2,4-Trimethylpentane	0.421	0.200	--	1.97	0.934	--	
142-82-5	Heptane	0.799	0.200	--	3.27	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	7.48	0.200	--	28.2	0.754	--	
591-78-6	2-Hexanone	0.294	0.200	--	1.20	0.820	--	
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	19.8	0.200	--	134	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : L2525337-01
 Client ID : SSVI-01_20250424
 Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934357
 Sample Amount : 250 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : 04/24/25 12:32
 Date Received : 04/24/25
 Date Analyzed : 05/08/25 00:54
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
100-41-4	Ethylbenzene	1.17	0.200	--	5.08	0.869	--	
179601-23-1	p/m-Xylene	5.10	0.400	--	22.2	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	0.801	0.200	--	3.41	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	2.17	0.200	--	9.43	0.869	--	
622-96-8	4-Ethyltoluene	0.440	0.200	--	2.16	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.523	0.200	--	2.57	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.48	0.200	--	7.28	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.190	--	ND	0.996	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : L2525337-02
 Client ID : SSVI-02_20250424
 Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934358
 Sample Amount : 250 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : 04/24/25 12:32
 Date Received : 04/24/25
 Date Analyzed : 05/08/25 01:34
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.434	0.200	--	2.15	0.989	--	
74-87-3	Chloromethane	0.242	0.200	--	0.500	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	0.808	0.200	--	1.79	0.442	--	
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	97.0	1.00	--	230	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	6.62	1.00	--	16.3	2.46	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	7.12	0.500	--	21.6	1.52	--	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.225	0.200	--	0.701	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.77	0.500	--	5.22	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : L2525337-02
 Client ID : SSVI-02_20250424
 Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934358
 Sample Amount : 250 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : 04/24/25 12:32
 Date Received : 04/24/25
 Date Analyzed : 05/08/25 01:34
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-66-3	Chloroform	0.282	0.200	--	1.38	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	1.19	0.200	--	4.19	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	0.637	0.200	--	2.04	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	0.465	0.200	--	1.60	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	12.3	0.200	--	66.1	1.07	--	
540-84-1	2,2,4-Trimethylpentane	0.735	0.200	--	3.43	0.934	--	
142-82-5	Heptane	1.24	0.200	--	5.08	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	7.72	0.200	--	29.1	0.754	--	
591-78-6	2-Hexanone	0.499	0.200	--	2.04	0.820	--	
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	23.6	0.200	--	160	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : L2525337-02
 Client ID : SSVI-02_20250424
 Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934358
 Sample Amount : 250 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : 04/24/25 12:32
 Date Received : 04/24/25
 Date Analyzed : 05/08/25 01:34
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
100-41-4	Ethylbenzene	1.31	0.200	--	5.69	0.869	--	
179601-23-1	p/m-Xylene	5.57	0.400	--	24.2	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	0.814	0.200	--	3.47	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	2.64	0.200	--	11.5	0.869	--	
622-96-8	4-Ethyltoluene	0.563	0.200	--	2.77	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.757	0.200	--	3.72	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	2.22	0.200	--	10.9	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.190	--	ND	0.996	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : L2525337-03
 Client ID : SSVI-03_20250424
 Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934359
 Sample Amount : 250 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : 04/24/25 12:34
 Date Received : 04/24/25
 Date Analyzed : 05/08/25 02:13
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.403	0.200	--	1.99	0.989	--	
74-87-3	Chloromethane	0.325	0.200	--	0.671	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	3.39	0.200	--	7.50	0.442	--	
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	18.7	5.00	--	35.2	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	108	1.00	--	257	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	30.9	1.00	--	76.0	2.46	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	7.73	0.500	--	23.4	1.52	--	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	1.70	0.200	--	5.29	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	2.54	0.500	--	7.49	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U



Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : L2525337-03
 Client ID : SSVI-03_20250424
 Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934359
 Sample Amount : 250 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : 04/24/25 12:34
 Date Received : 04/24/25
 Date Analyzed : 05/08/25 02:13
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-66-3	Chloroform	0.835	0.200	--	4.08	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	5.34	0.200	--	18.8	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	1.29	0.200	--	4.12	0.639	--	
56-23-5	Carbon tetrachloride	0.389	0.200	--	2.45	1.26	--	
110-82-7	Cyclohexane	0.608	0.200	--	2.09	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	49.7	0.200	--	267	1.07	--	
540-84-1	2,2,4-Trimethylpentane	0.634	0.200	--	2.96	0.934	--	
142-82-5	Heptane	1.23	0.200	--	5.04	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	8.63	0.200	--	32.5	0.754	--	
591-78-6	2-Hexanone	0.542	0.200	--	2.22	0.820	--	
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	10.1	0.200	--	68.5	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : L2525337-03
 Client ID : SSVI-03_20250424
 Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934359
 Sample Amount : 250 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : 04/24/25 12:34
 Date Received : 04/24/25
 Date Analyzed : 05/08/25 02:13
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
100-41-4	Ethylbenzene	1.25	0.200	--	5.43	0.869	--	
179601-23-1	p/m-Xylene	5.13	0.400	--	22.3	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	0.866	0.200	--	3.69	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	2.20	0.200	--	9.56	0.869	--	
622-96-8	4-Ethyltoluene	0.577	0.200	--	2.84	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.520	0.200	--	2.56	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.42	0.200	--	6.98	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.190	--	ND	0.996	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : L2525337-04
 Client ID : SSVI-04_20250424
 Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934360
 Sample Amount : 250 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : 04/24/25 12:35
 Date Received : 04/24/25
 Date Analyzed : 05/08/25 02:52
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.456	0.200	--	2.25	0.989	--	
74-87-3	Chloromethane	0.250	0.200	--	0.516	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	6.44	0.200	--	14.2	0.442	--	
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	10.0	5.00	--	18.8	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	107	1.00	--	254	2.38	--	
75-69-4	Trichlorofluoromethane	0.205	0.200	--	1.15	1.12	--	
67-63-0	Isopropanol	8.83	1.00	--	21.7	2.46	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	10.4	0.500	--	31.5	1.52	--	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.730	0.200	--	2.27	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	2.70	0.500	--	7.96	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : L2525337-04
 Client ID : SSVI-04_20250424
 Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934360
 Sample Amount : 250 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : 04/24/25 12:35
 Date Received : 04/24/25
 Date Analyzed : 05/08/25 02:52
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	2.88	0.200	--	10.2	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	1.73	0.200	--	5.53	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	0.435	0.200	--	1.50	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	22.0	0.200	--	118	1.07	--	
540-84-1	2,2,4-Trimethylpentane	0.391	0.200	--	1.83	0.934	--	
142-82-5	Heptane	1.98	0.200	--	8.11	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	10.8	0.200	--	40.7	0.754	--	
591-78-6	2-Hexanone	0.733	0.200	--	3.00	0.820	--	
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	12.2	0.200	--	82.7	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : L2525337-04
 Client ID : SSVI-04_20250424
 Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934360
 Sample Amount : 250 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : 04/24/25 12:35
 Date Received : 04/24/25
 Date Analyzed : 05/08/25 02:52
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
100-41-4	Ethylbenzene	1.70	0.200	--	7.38	0.869	--	
179601-23-1	p/m-Xylene	7.18	0.400	--	31.2	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	1.21	0.200	--	5.15	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	3.04	0.200	--	13.2	0.869	--	
622-96-8	4-Ethyltoluene	0.755	0.200	--	3.71	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.722	0.200	--	3.55	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.97	0.200	--	9.68	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.190	--	ND	0.996	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : L2525337-05
 Client ID : SSVI-05_20250424
 Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934361
 Sample Amount : 250 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : 04/24/25 12:36
 Date Received : 04/24/25
 Date Analyzed : 05/08/25 03:32
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.407	0.200	--	2.01	0.989	--	
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	1.63	0.200	--	3.61	0.442	--	
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	5.52	5.00	--	10.4	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	25.7	1.00	--	61.0	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	5.75	1.00	--	14.1	2.46	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	2.25	0.500	--	6.82	1.52	--	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.507	0.200	--	1.58	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.48	0.500	--	4.36	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : L2525337-05
 Client ID : SSVI-05_20250424
 Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934361
 Sample Amount : 250 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : 04/24/25 12:36
 Date Received : 04/24/25
 Date Analyzed : 05/08/25 03:32
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	1.49	0.200	--	5.25	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	0.616	0.200	--	1.97	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	0.289	0.200	--	0.995	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	12.7	0.200	--	68.3	1.07	--	
540-84-1	2,2,4-Trimethylpentane	0.266	0.200	--	1.24	0.934	--	
142-82-5	Heptane	0.950	0.200	--	3.89	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	6.43	0.200	--	24.2	0.754	--	
591-78-6	2-Hexanone	0.266	0.200	--	1.09	0.820	--	
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	12.5	0.200	--	84.8	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : L2525337-05
 Client ID : SSVI-05_20250424
 Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934361
 Sample Amount : 250 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : 04/24/25 12:36
 Date Received : 04/24/25
 Date Analyzed : 05/08/25 03:32
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
100-41-4	Ethylbenzene	1.12	0.200	--	4.86	0.869	--	
179601-23-1	p/m-Xylene	4.96	0.400	--	21.5	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	0.853	0.200	--	3.63	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	2.20	0.200	--	9.56	0.869	--	
622-96-8	4-Ethyltoluene	0.617	0.200	--	3.03	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.685	0.200	--	3.37	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.94	0.200	--	9.54	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.190	--	ND	0.996	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : L2525337-06D
 Client ID : SSVI-06_20250424
 Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934362
 Sample Amount : 30.0 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : 04/24/25 12:36
 Date Received : 04/24/25
 Date Analyzed : 05/08/25 04:10
 Dilution Factor : 8.333
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	ND	1.67	--	ND	8.26	--	U
74-87-3	Chloromethane	ND	1.67	--	ND	3.45	--	U
76-14-2	Freon-114	ND	1.67	--	ND	11.7	--	U
75-01-4	Vinyl chloride	ND	1.67	--	ND	4.27	--	U
106-99-0	1,3-Butadiene	ND	1.67	--	ND	3.69	--	U
74-83-9	Bromomethane	ND	1.67	--	ND	6.48	--	U
75-00-3	Chloroethane	ND	1.67	--	ND	4.41	--	U
64-17-5	Ethanol	ND	41.7	--	ND	78.6	--	U
593-60-2	Vinyl bromide	ND	1.67	--	ND	7.30	--	U
67-64-1	Acetone	81.4	8.33	--	193	19.8	--	
75-69-4	Trichlorofluoromethane	ND	1.67	--	ND	9.38	--	U
67-63-0	Isopropanol	9.04	8.33	--	22.2	20.5	--	
75-35-4	1,1-Dichloroethene	ND	1.67	--	ND	6.62	--	U
75-65-0	Tertiary butyl Alcohol	6.02	4.17	--	18.2	12.6	--	
75-09-2	Methylene chloride	ND	4.17	--	ND	14.5	--	U
107-05-1	3-Chloropropene	ND	1.67	--	ND	5.23	--	U
75-15-0	Carbon disulfide	6.37	1.67	--	19.8	5.20	--	
76-13-1	Freon-113	ND	1.67	--	ND	12.8	--	U
156-60-5	trans-1,2-Dichloroethene	ND	1.67	--	ND	6.62	--	U
75-34-3	1,1-Dichloroethane	ND	1.67	--	ND	6.76	--	U
1634-04-4	Methyl tert butyl ether	ND	1.67	--	ND	6.02	--	U
78-93-3	2-Butanone	ND	4.17	--	ND	12.3	--	U
156-59-2	cis-1,2-Dichloroethene	ND	1.67	--	ND	6.62	--	U
141-78-6	Ethyl Acetate	ND	4.17	--	ND	15.0	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : L2525337-06D
 Client ID : SSVI-06_20250424
 Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934362
 Sample Amount : 30.0 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : 04/24/25 12:36
 Date Received : 04/24/25
 Date Analyzed : 05/08/25 04:10
 Dilution Factor : 8.333
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-66-3	Chloroform	5.81	1.67	--	28.4	8.16	--	
109-99-9	Tetrahydrofuran	ND	4.17	--	ND	12.3	--	U
107-06-2	1,2-Dichloroethane	ND	1.67	--	ND	6.76	--	U
110-54-3	n-Hexane	3.05	1.67	--	10.7	5.89	--	
71-55-6	1,1,1-Trichloroethane	ND	1.67	--	ND	9.11	--	U
71-43-2	Benzene	2.27	1.67	--	7.25	5.34	--	
56-23-5	Carbon tetrachloride	ND	1.67	--	ND	10.5	--	U
110-82-7	Cyclohexane	ND	1.67	--	ND	5.75	--	U
78-87-5	1,2-Dichloropropane	ND	1.67	--	ND	7.72	--	U
75-27-4	Bromodichloromethane	ND	1.67	--	ND	11.2	--	U
123-91-1	1,4-Dioxane	ND	1.67	--	ND	6.02	--	U
79-01-6	Trichloroethene	620	1.67	--	3330	8.97	--	
540-84-1	2,2,4-Trimethylpentane	ND	1.67	--	ND	7.80	--	U
142-82-5	Heptane	1.87	1.67	--	7.66	6.84	--	
10061-01-5	cis-1,3-Dichloropropene	ND	1.67	--	ND	7.58	--	U
108-10-1	4-Methyl-2-pentanone	ND	4.17	--	ND	17.1	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.67	--	ND	7.58	--	U
79-00-5	1,1,2-Trichloroethane	ND	1.67	--	ND	9.11	--	U
108-88-3	Toluene	8.17	1.67	--	30.8	6.29	--	
591-78-6	2-Hexanone	ND	1.67	--	ND	6.84	--	U
124-48-1	Dibromochloromethane	ND	1.67	--	ND	14.2	--	U
106-93-4	1,2-Dibromoethane	ND	1.67	--	ND	12.8	--	U
127-18-4	Tetrachloroethene	19.1	1.67	--	130	11.3	--	
108-90-7	Chlorobenzene	ND	1.67	--	ND	7.69	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : L2525337-06D
 Client ID : SSVI-06_20250424
 Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934362
 Sample Amount : 30.0 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : 04/24/25 12:36
 Date Received : 04/24/25
 Date Analyzed : 05/08/25 04:10
 Dilution Factor : 8.333
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
100-41-4	Ethylbenzene	ND	1.67	--	ND	7.25	--	U
179601-23-1	p/m-Xylene	6.89	3.33	--	29.9	14.5	--	
75-25-2	Bromoform	ND	1.67	--	ND	17.3	--	U
100-42-5	Styrene	ND	1.67	--	ND	7.11	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.67	--	ND	11.5	--	U
95-47-6	o-Xylene	3.10	1.67	--	13.5	7.25	--	
622-96-8	4-Ethyltoluene	ND	1.67	--	ND	8.21	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.67	--	ND	8.21	--	U
95-63-6	1,2,4-Trimethylbenzene	2.56	1.67	--	12.6	8.21	--	
100-44-7	Benzyl chloride	ND	1.67	--	ND	8.65	--	U
541-73-1	1,3-Dichlorobenzene	ND	1.67	--	ND	10.0	--	U
106-46-7	1,4-Dichlorobenzene	ND	1.67	--	ND	10.0	--	U
95-50-1	1,2-Dichlorobenzene	ND	1.67	--	ND	10.0	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.67	--	ND	12.4	--	U
91-20-3	Naphthalene	ND	1.58	--	ND	8.28	--	U
87-68-3	Hexachlorobutadiene	ND	1.67	--	ND	17.8	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : L2525337-07D
 Client ID : SSVI-07_20250424
 Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934363
 Sample Amount : 125 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : 04/24/25 12:36
 Date Received : 04/24/25
 Date Analyzed : 05/08/25 04:49
 Dilution Factor : 2
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.468	0.400	--	2.31	1.98	--	
74-87-3	Chloromethane	ND	0.400	--	ND	0.826	--	U
76-14-2	Freon-114	ND	0.400	--	ND	2.80	--	U
75-01-4	Vinyl chloride	ND	0.400	--	ND	1.02	--	U
106-99-0	1,3-Butadiene	5.76	0.400	--	12.7	0.885	--	
74-83-9	Bromomethane	ND	0.400	--	ND	1.55	--	U
75-00-3	Chloroethane	ND	0.400	--	ND	1.06	--	U
64-17-5	Ethanol	ND	10.0	--	ND	18.8	--	U
593-60-2	Vinyl bromide	ND	0.400	--	ND	1.75	--	U
67-64-1	Acetone	66.5	2.00	--	158	4.75	--	
75-69-4	Trichlorofluoromethane	ND	0.400	--	ND	2.25	--	U
67-63-0	Isopropanol	5.66	2.00	--	13.9	4.92	--	
75-35-4	1,1-Dichloroethene	ND	0.400	--	ND	1.59	--	U
75-65-0	Tertiary butyl Alcohol	5.03	1.00	--	15.2	3.03	--	
75-09-2	Methylene chloride	ND	1.00	--	ND	3.47	--	U
107-05-1	3-Chloropropene	ND	0.400	--	ND	1.25	--	U
75-15-0	Carbon disulfide	1.54	0.400	--	4.80	1.25	--	
76-13-1	Freon-113	ND	0.400	--	ND	3.07	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--	U
75-34-3	1,1-Dichloroethane	ND	0.400	--	ND	1.62	--	U
1634-04-4	Methyl tert butyl ether	ND	0.400	--	ND	1.44	--	U
78-93-3	2-Butanone	2.24	1.00	--	6.61	2.95	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--	U
141-78-6	Ethyl Acetate	ND	1.00	--	ND	3.60	--	U



Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-07D
Client ID : SSVI-07_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1934363
Sample Amount : 125 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 12:36
Date Received : 04/24/25
Date Analyzed : 05/08/25 04:49
Dilution Factor : 2
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-66-3	Chloroform	2.30	0.400	--	11.2	1.95	--	
109-99-9	Tetrahydrofuran	ND	1.00	--	ND	2.95	--	U
107-06-2	1,2-Dichloroethane	ND	0.400	--	ND	1.62	--	U
110-54-3	n-Hexane	3.00	0.400	--	10.6	1.41	--	
71-55-6	1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--	U
71-43-2	Benzene	1.50	0.400	--	4.79	1.28	--	
56-23-5	Carbon tetrachloride	ND	0.400	--	ND	2.52	--	U
110-82-7	Cyclohexane	0.822	0.400	--	2.83	1.38	--	
78-87-5	1,2-Dichloropropane	ND	0.400	--	ND	1.85	--	U
75-27-4	Bromodichloromethane	ND	0.400	--	ND	2.68	--	U
123-91-1	1,4-Dioxane	ND	0.400	--	ND	1.44	--	U
79-01-6	Trichloroethene	156	0.400	--	838	2.15	--	
540-84-1	2,2,4-Trimethylpentane	0.512	0.400	--	2.39	1.87	--	
142-82-5	Heptane	1.35	0.400	--	5.53	1.64	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--	U
108-10-1	4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--	U
108-88-3	Toluene	6.99	0.400	--	26.3	1.51	--	
591-78-6	2-Hexanone	ND	0.400	--	ND	1.64	--	U
124-48-1	Dibromochloromethane	ND	0.400	--	ND	3.41	--	U
106-93-4	1,2-Dibromoethane	ND	0.400	--	ND	3.07	--	U
127-18-4	Tetrachloroethene	11.4	0.400	--	77.3	2.71	--	
108-90-7	Chlorobenzene	ND	0.400	--	ND	1.84	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : L2525337-07D
 Client ID : SSVI-07_20250424
 Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934363
 Sample Amount : 125 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : 04/24/25 12:36
 Date Received : 04/24/25
 Date Analyzed : 05/08/25 04:49
 Dilution Factor : 2
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
100-41-4	Ethylbenzene	1.32	0.400	--	5.73	1.74	--	
179601-23-1	p/m-Xylene	5.81	0.800	--	25.2	3.47	--	
75-25-2	Bromoform	ND	0.400	--	ND	4.14	--	U
100-42-5	Styrene	0.926	0.400	--	3.94	1.70	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--	U
95-47-6	o-Xylene	2.38	0.400	--	10.3	1.74	--	
622-96-8	4-Ethyltoluene	0.742	0.400	--	3.65	1.97	--	
108-67-8	1,3,5-Trimethylbenzene	0.676	0.400	--	3.32	1.97	--	
95-63-6	1,2,4-Trimethylbenzene	2.02	0.400	--	9.93	1.97	--	
100-44-7	Benzyl chloride	ND	0.400	--	ND	2.07	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--	U
91-20-3	Naphthalene	ND	0.380	--	ND	1.99	--	U
87-68-3	Hexachlorobutadiene	ND	0.400	--	ND	4.27	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : L2525337-08
 Client ID : SSVI-08_20250424
 Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934364
 Sample Amount : 250 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : 04/24/25 13:34
 Date Received : 04/24/25
 Date Analyzed : 05/08/25 05:28
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.402	0.200	--	1.99	0.989	--	
74-87-3	Chloromethane	0.493	0.200	--	1.02	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	0.309	0.200	--	0.684	0.442	--	
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	8.37	5.00	--	15.8	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	20.3	1.00	--	48.2	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	2.56	1.00	--	6.29	2.46	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.940	0.500	--	2.77	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	1.19	0.500	--	4.29	1.80	--	



Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : L2525337-08
 Client ID : SSVI-08_20250424
 Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934364
 Sample Amount : 250 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : 04/24/25 13:34
 Date Received : 04/24/25
 Date Analyzed : 05/08/25 05:28
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.367	0.200	--	1.29	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	0.215	0.200	--	0.687	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	ND	0.200	--	ND	1.07	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.943	0.200	--	3.55	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	0.844	0.200	--	5.72	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : L2525337-08
 Client ID : SSVI-08_20250424
 Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934364
 Sample Amount : 250 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : 04/24/25 13:34
 Date Received : 04/24/25
 Date Analyzed : 05/08/25 05:28
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
100-41-4	Ethylbenzene	0.212	0.200	--	0.921	0.869	--	
179601-23-1	p/m-Xylene	0.845	0.400	--	3.67	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.278	0.200	--	1.21	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	0.253	0.200	--	1.24	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.190	--	ND	0.996	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : WG2063684-4
 Client ID : WG2063684-4BLANK
 Sample Location :
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934343
 Sample Amount : 250 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 05/07/25 14:19
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--	U
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	ND	1.00	--	ND	2.38	--	U
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	ND	1.00	--	ND	2.46	--	U
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : WG2063684-4
 Client ID : WG2063684-4BLANK
 Sample Location :
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934343
 Sample Amount : 250 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 05/07/25 14:19
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	ND	0.200	--	ND	1.07	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	ND	0.200	--	ND	0.754	--	U
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Lab ID : WG2063684-4
 Client ID : WG2063684-4BLANK
 Sample Location :
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1934343
 Sample Amount : 250 ml

Lab Number : L2525337
 Project Number : 170447
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 05/07/25 14:19
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB19
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.190	--	ND	0.996	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934357.D
 Acq On : 8 May 2025 12:54 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-01,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:17:23 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

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

Internal Standards						
1) bromochloromethane	8.783	49	348006	10.000	ppbV	0.00
Standard Area = 339843			Recovery = 102.40%			
43) 1,4-difluorobenzene	10.923	114	999661	10.000	ppbV	0.00
Standard Area = 931395			Recovery = 107.33%			
67) chlorobenzene-D5	15.600	54	154458	10.000	ppbV	0.00
Standard Area = 169143			Recovery = 91.32%			

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	4.088	85	19160	0.414	ppbV	99
6) chloromethane	4.232	50	5939	0.338	ppbV	99
7) Freon-114	0.000		0	N.D.		
9) vinyl chloride	0.000		0	N.D.		
10) 1,3-butadiene	4.526	54	8583	0.432	ppbV #	1
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	5.090	31	96035	4.616	ppbV #	67
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.547	43	3203855	87.579	ppbV	93
21) trichlorofluoromethane	5.730	101	8905	0.200	ppbV	96
22) isopropyl alcohol	5.803	45	303714	7.191	ppbV	99
26) 1,1-dichloroethene	6.410		0	N.D.		
27) tertiary butyl alcohol	6.410	59	378783	5.740	ppbV	94
28) methylene chloride	6.512	49	4233	0.152	ppbV	97
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	6.788	76	34142	0.449	ppbV #	91
31) Freon 113	6.788	101	3684	0.072	ppbV	97
32) trans-1,2-dichloroethene	7.500	61	2735	0.059	ppbV	98
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	0.000		0	N.D.	d	
36) 2-butanone	8.125	43	146273	2.501	ppbV	99
37) cis-1,2-dichloroethene	8.608	61	3854	0.085	ppbV	95
38) Ethyl Acetate	8.875	61	710	0.059	ppbV #	1
39) chloroform	8.933	83	5784	0.126	ppbV #	98
40) Tetrahydrofuran	9.358	42	9796	0.295	ppbV	98
42) 1,2-dichloroethane	9.733		0	N.D.		
44) hexane	8.850	57	55005	0.902	ppbV #	20

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934357.D
 Acq On : 8 May 2025 12:54 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-01,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:17:23 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	0.000		0	N.D.		
50) benzene	10.517	78	46764	0.532	ppbV	99
52) carbon tetrachloride	10.683	117	2441	0.074	ppbV	91
53) cyclohexane	10.823	56	18072	0.309	ppbV #	93
56) 1,2-dichloropropane	11.430		0	N.D.		
57) bromodichloromethane	11.650		0	N.D.		
58) 1,4-dioxane	11.717		0	N.D.		
59) trichloroethene	11.703	130	101998	2.671	ppbV	98
60) 2,2,4-trimethylpentane	11.750	57	73102	0.421	ppbV #	86
62) heptane	12.063	43	43569	0.799	ppbV	93
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.733	43	29998	0.476	ppbV	93
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	13.367		0	N.D.		
68) toluene	13.825	91	819506	7.479	ppbV	99
72) 2-hexanone	14.117	43	17170	0.294	ppbV #	64
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.000	166	929797	19.761	ppbV	97
80) chlorobenzene	0.000		0	N.D.	d	
81) ethylbenzene	15.992	91	163344	1.173	ppbV	100
83) m+p-xylene	16.150	91	567126	5.105	ppbV	100
84) bromoform	0.000		0	N.D.		
85) styrene	16.475	104	73951	0.801	ppbV	99
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
87) o-xylene	16.567	91	235158	2.169	ppbV	96
96) 4-ethyl toluene	17.642	105	63046M6	0.440	ppbV	
97) 1,3,5-trimethylbenzene	17.708	105	64967	0.523	ppbV	99
99) 1,2,4-trimethylbenzene	18.068	105	185002	1.476	ppbV #	56
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	18.260		0	N.D.		
103) 1,4-dichlorobenzene	18.260		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.042	128	5666	0.047	ppbV	96
119) hexachlorobutadiene	0.000		0	N.D.		

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934357.D
 Acq On : 8 May 2025 12:54 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-01,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:17:23 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

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

Sub List : T015-NY+Naphthalene - .\2025\05\0507T\r1934340.D

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\

Data File : r1934357.D

Acq On : 8 May 2025 12:54 AM

Operator : AIRLAB19:TPH

Sample : L2525337-01,3,250,250

Misc : WG2063684,ICAL22124

ALS Vial : 0 Sample Multiplier: 1

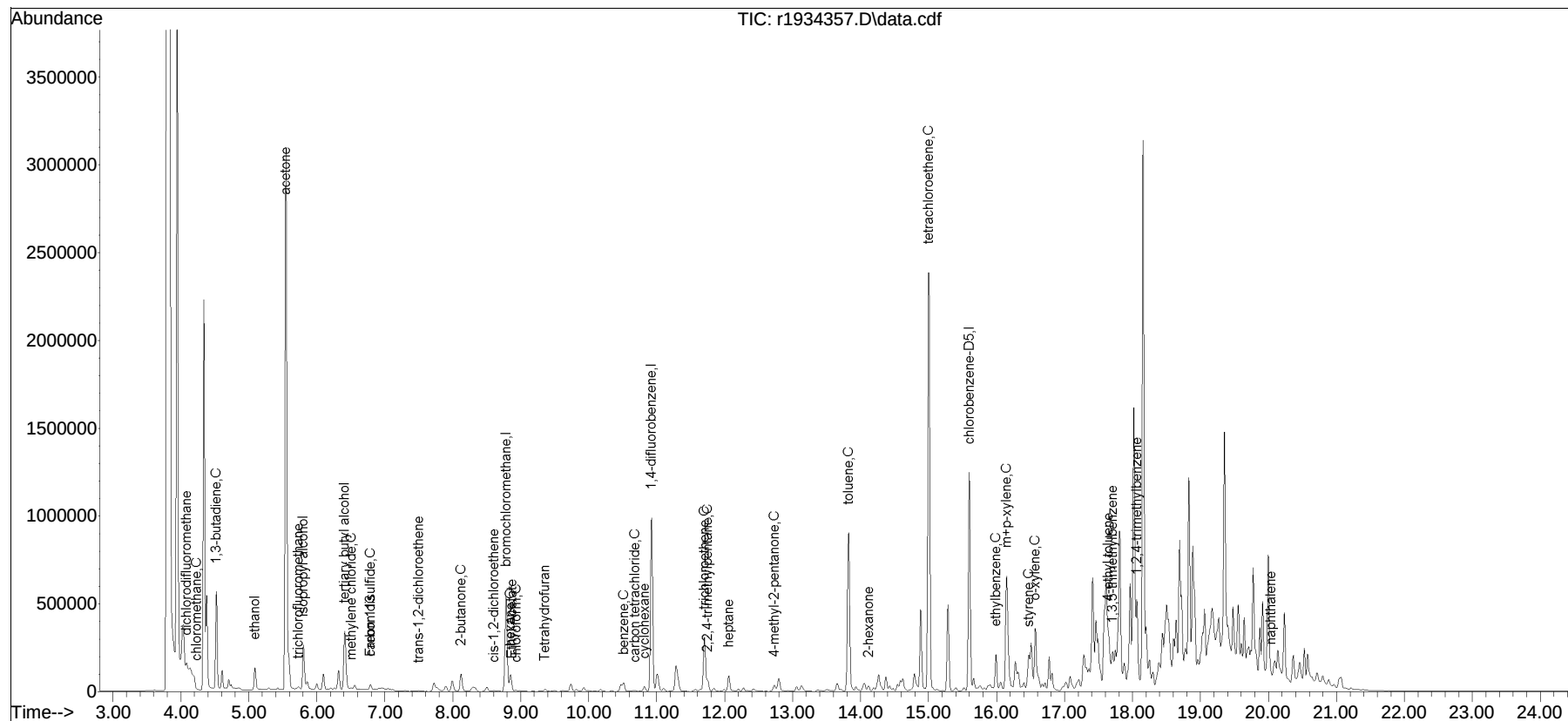
Quant Time: May 08 06:17:23 2025

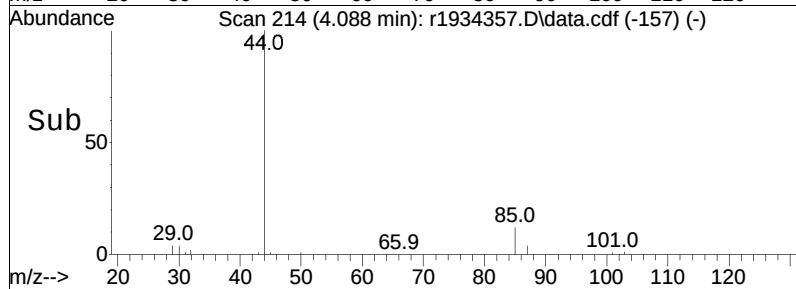
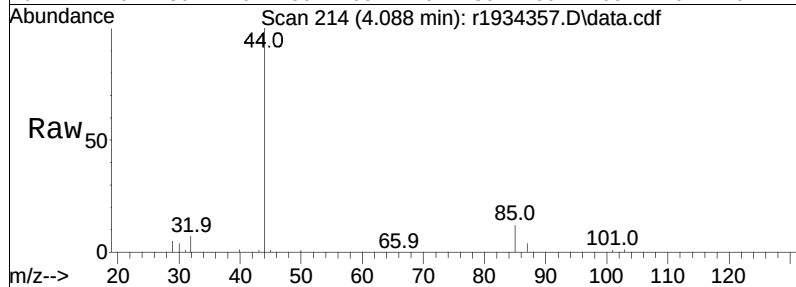
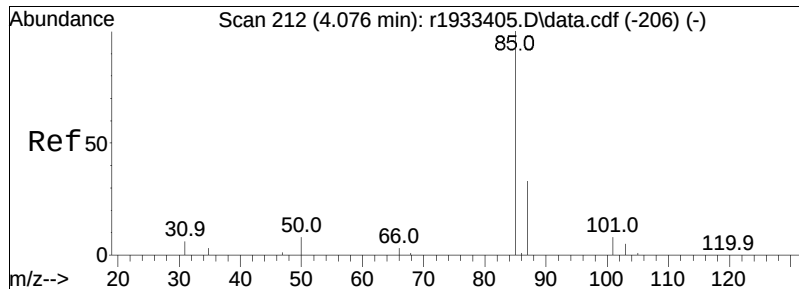
Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M

Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis

QLast Update : Sun Mar 30 07:46:23 2025

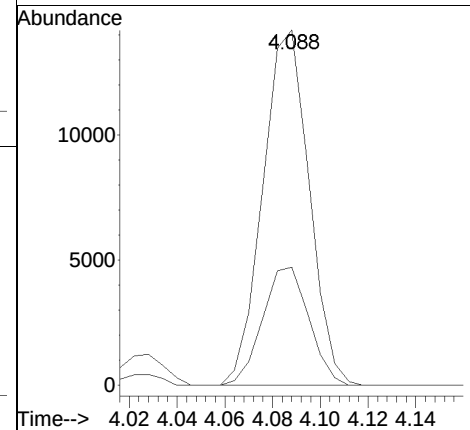
Response via : Initial Calibration

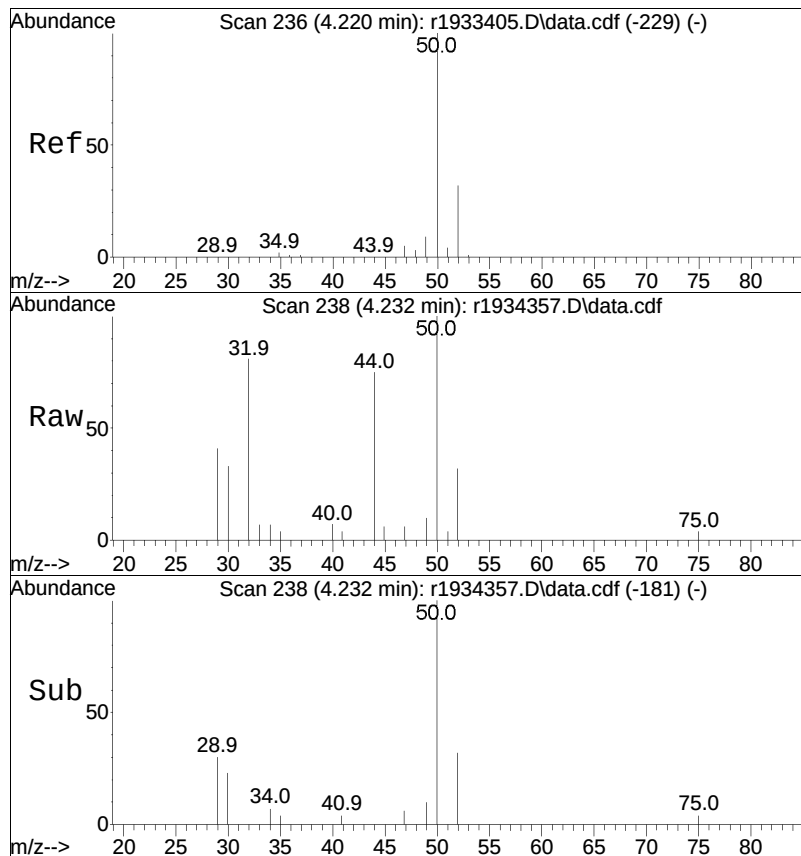




#5
dichlorodifluoromethane
Concen: 0.41 ppbV
RT: 4.088 min Scan# 214
Delta R.T. 0.012 min
Lab File: r1934357.D
Acq: 8 May 2025 12:54 AM

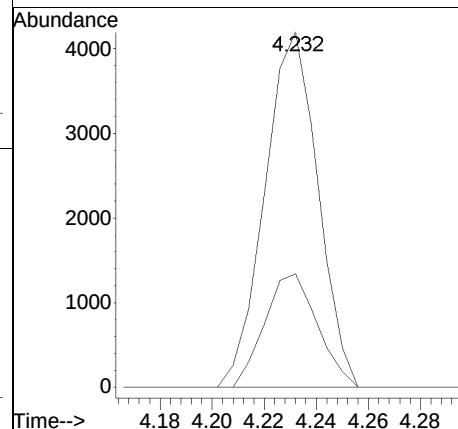
Tgt Ion: 85 Resp: 19160
Ion Ratio Lower Upper
85 100
87 33.3 26.2 39.4

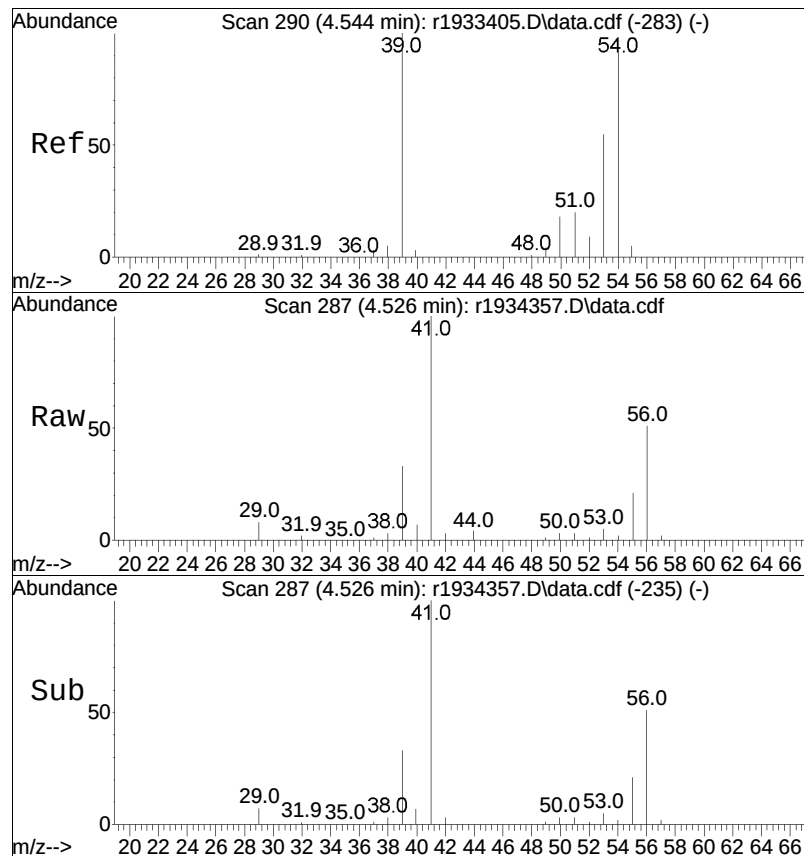




#6
 chloromethane
 Concen: 0.34 ppbV
 RT: 4.232 min Scan# 238
 Delta R.T. 0.012 min
 Lab File: r1934357.D
 Acq: 8 May 2025 12:54 AM

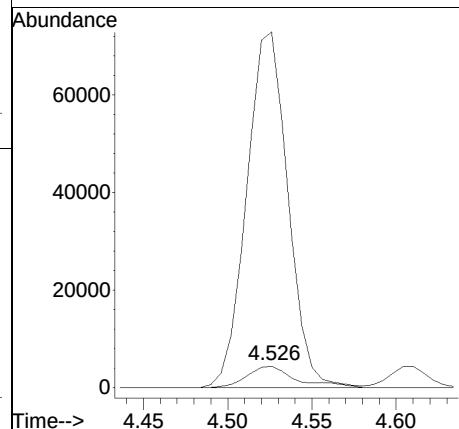
Tgt	Ion	Resp	Lower	Upper
50	100	5939		
52	32.0	25.9	38.9	

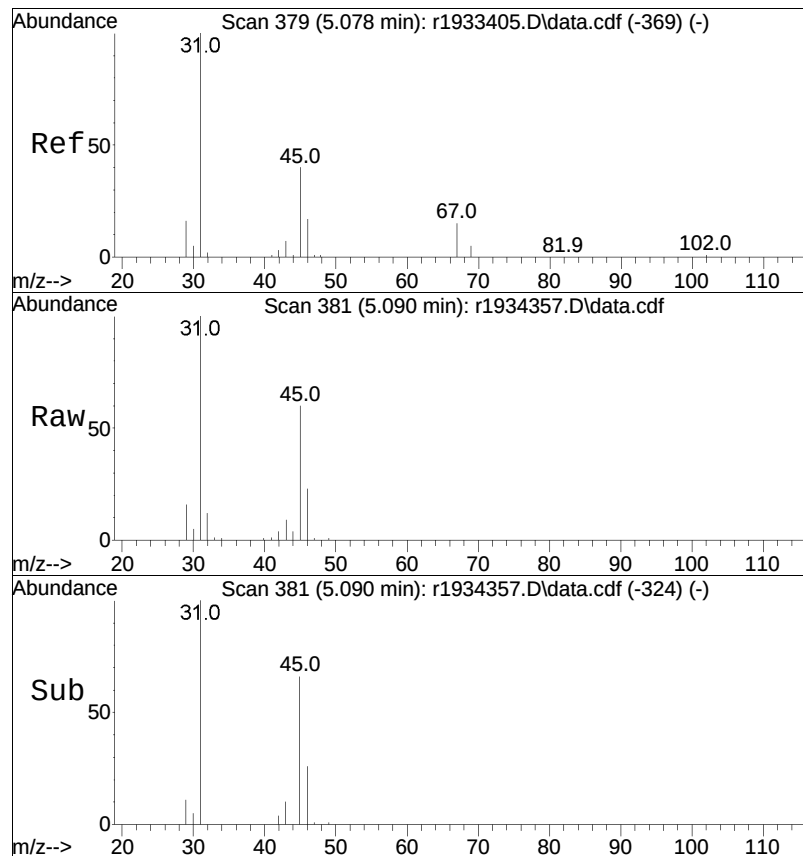




#10
 1,3-butadiene
 Concen: 0.43 ppbV
 RT: 4.526 min Scan# 287
 Delta R.T. -0.018 min
 Lab File: r1934357.D
 Acq: 8 May 2025 12:54 AM

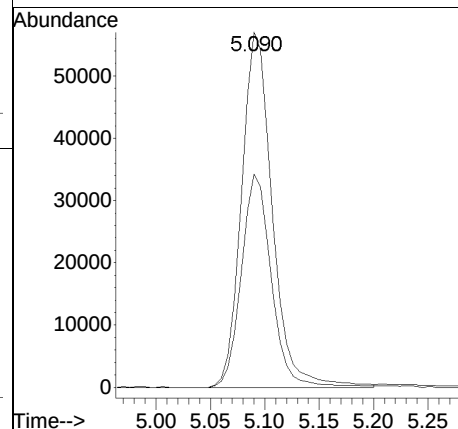
Tgt Ion	Ratio	Lower	Upper
54	100		
39	1669.4	84.2	126.4#

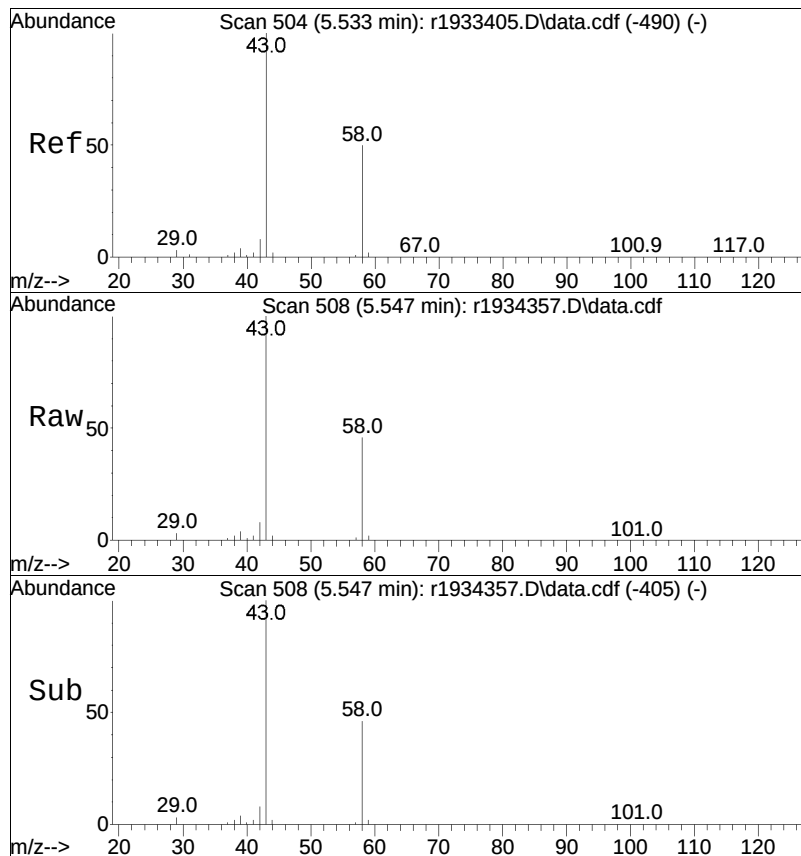




#15
 ethanol
 Concen: 4.62 ppbV
 RT: 5.090 min Scan# 381
 Delta R.T. 0.012 min
 Lab File: r1934357.D
 Acq: 8 May 2025 12:54 AM

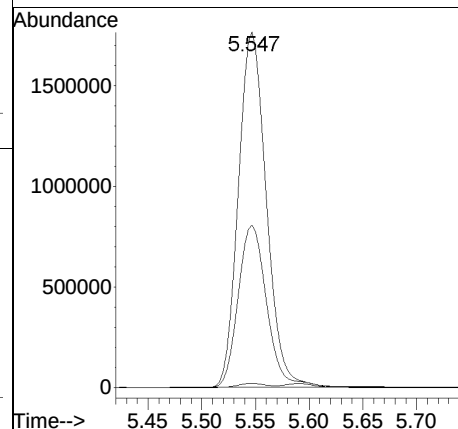
Tgt	Ion	Ratio	Lower	Upper
31	100			
45	60.0	31.8	47.8#	

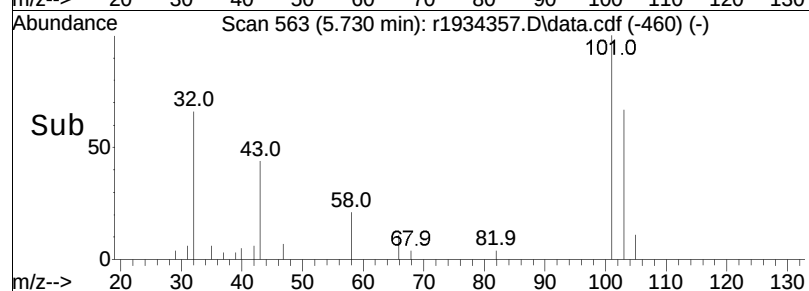
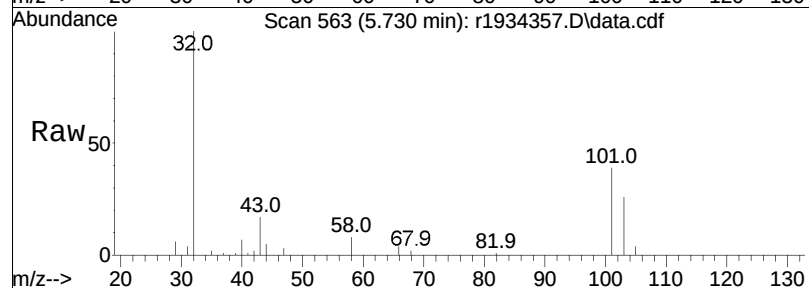
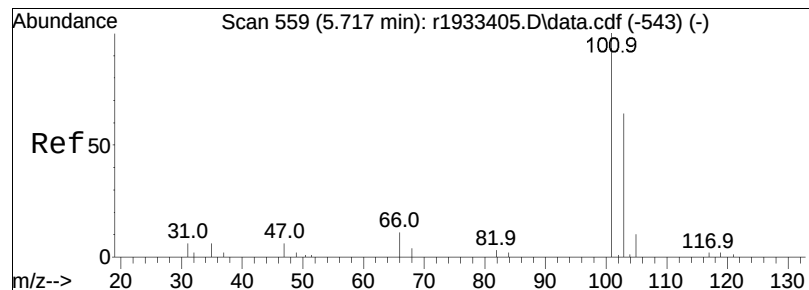




#19
acetone
Concen: 87.58 ppbV
RT: 5.547 min Scan# 508
Delta R.T. 0.013 min
Lab File: r1934357.D
Acq: 8 May 2025 12:54 AM

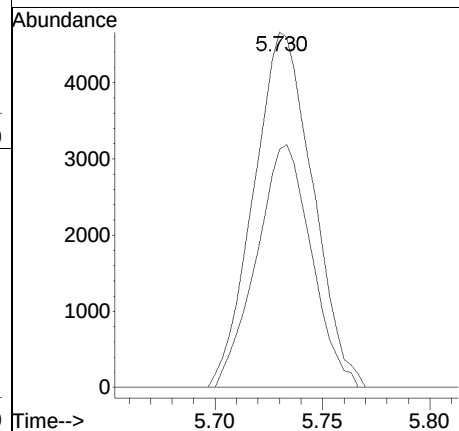
Tgt Ion	Ratio	Lower	Upper
43	100		
58	45.7	40.4	60.6
57	1.1	1.0	1.4

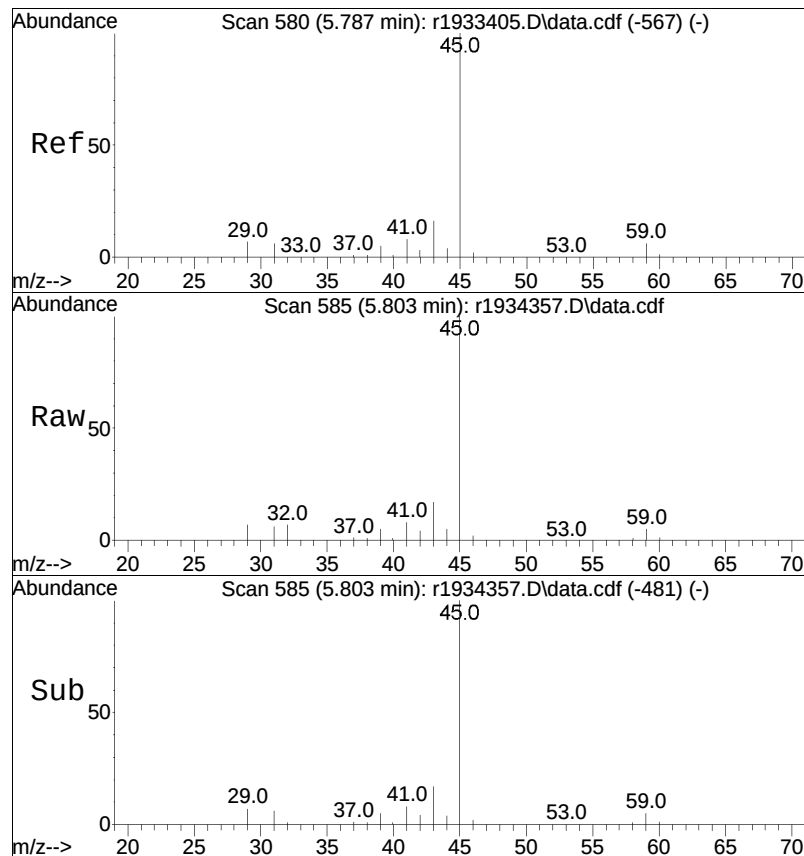




#21
trichlorofluoromethane
Concen: 0.20 ppbV
RT: 5.730 min Scan# 563
Delta R.T. 0.013 min
Lab File: r1934357.D
Acq: 8 May 2025 12:54 AM

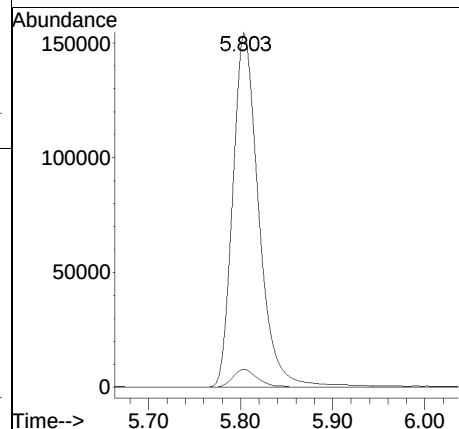
Tgt	Ion	Ratio	Lower	Upper
101	101	100		
103	67.0	51.0	76.4	

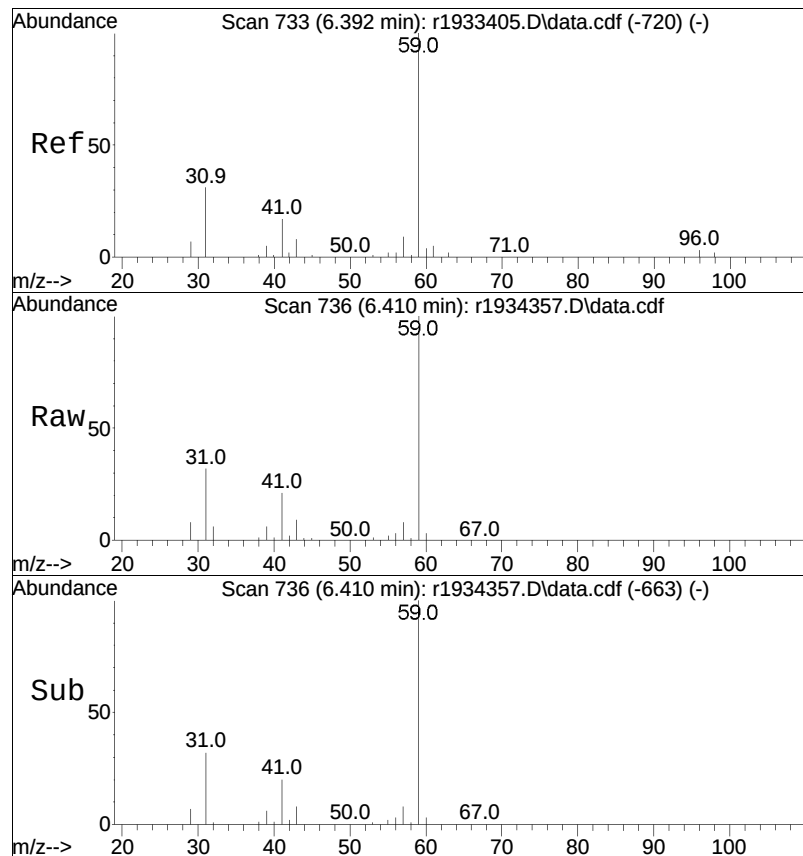




#22
isopropyl alcohol
Concen: 7.19 ppbV
RT: 5.803 min Scan# 585
Delta R.T. 0.017 min
Lab File: r1934357.D
Acq: 8 May 2025 12:54 AM

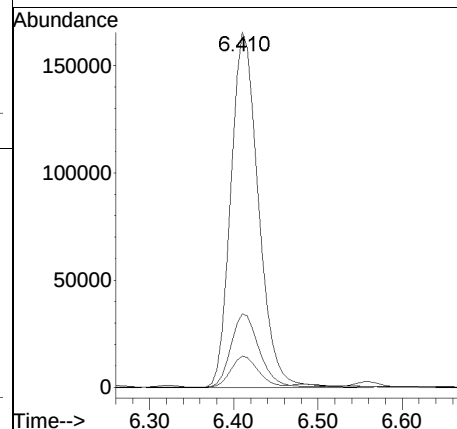
Tgt	Ion	Ratio	Lower	Upper
45	100			
59	5.1	4.4	6.6	

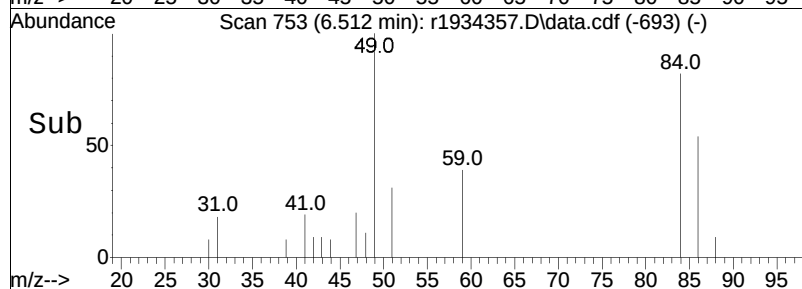
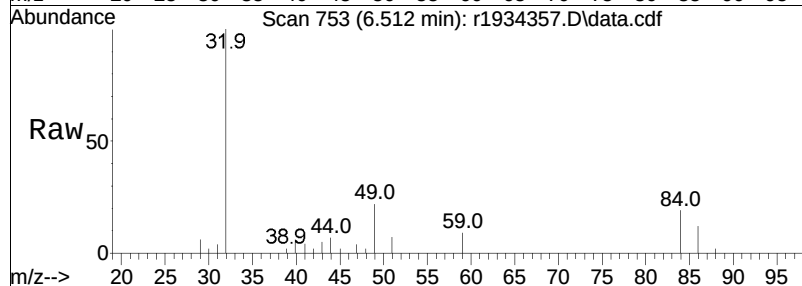
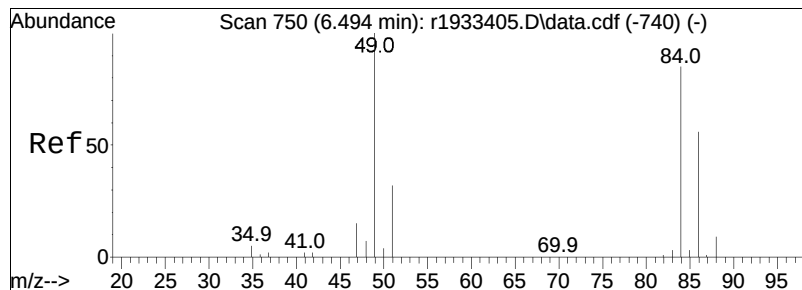




#27
 tertiary butyl alcohol
 Concen: 5.74 ppbV
 RT: 6.410 min Scan# 736
 Delta R.T. 0.018 min
 Lab File: r1934357.D
 Acq: 8 May 2025 12:54 AM

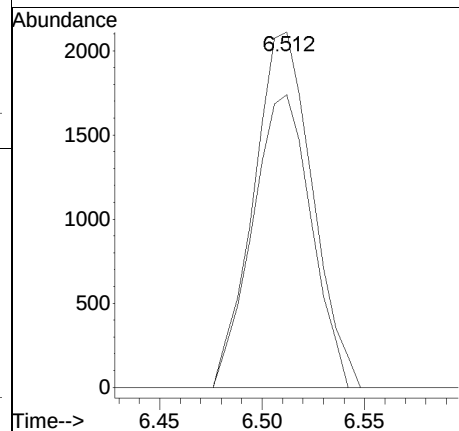
Tgt	Ion: 59	Resp: 378783
Ion	Ratio	Lower Upper
59	100	
41	20.7	14.0 21.0
43	8.8	6.3 9.5

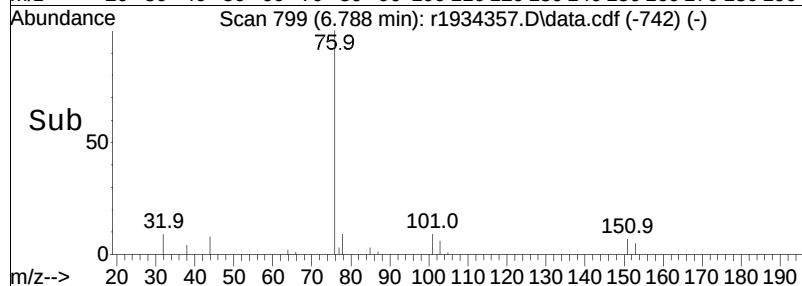
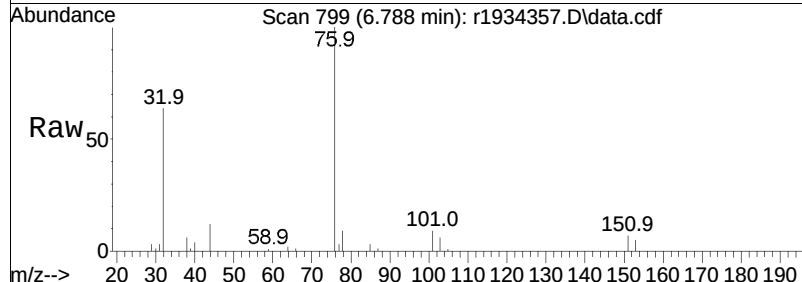
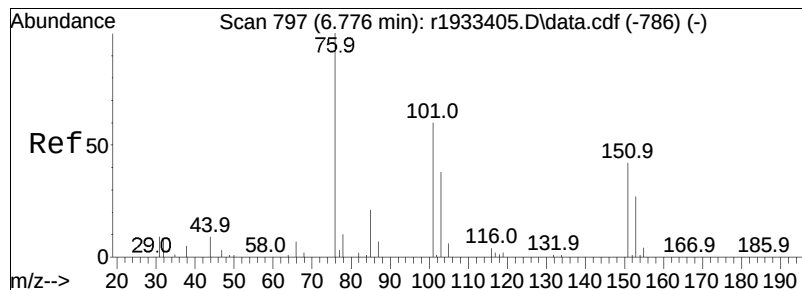




#28
 methylene chloride
 Concen: 0.15 ppbV
 RT: 6.512 min Scan# 753
 Delta R.T. 0.018 min
 Lab File: r1934357.D
 Acq: 8 May 2025 12:54 AM

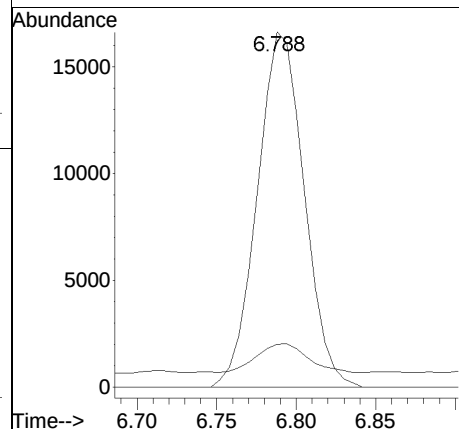
Tgt Ion:	49	84	Ratio	Lower	Upper
Resp:	4233				
Ion Ratio	100	82.4		68.4	102.6

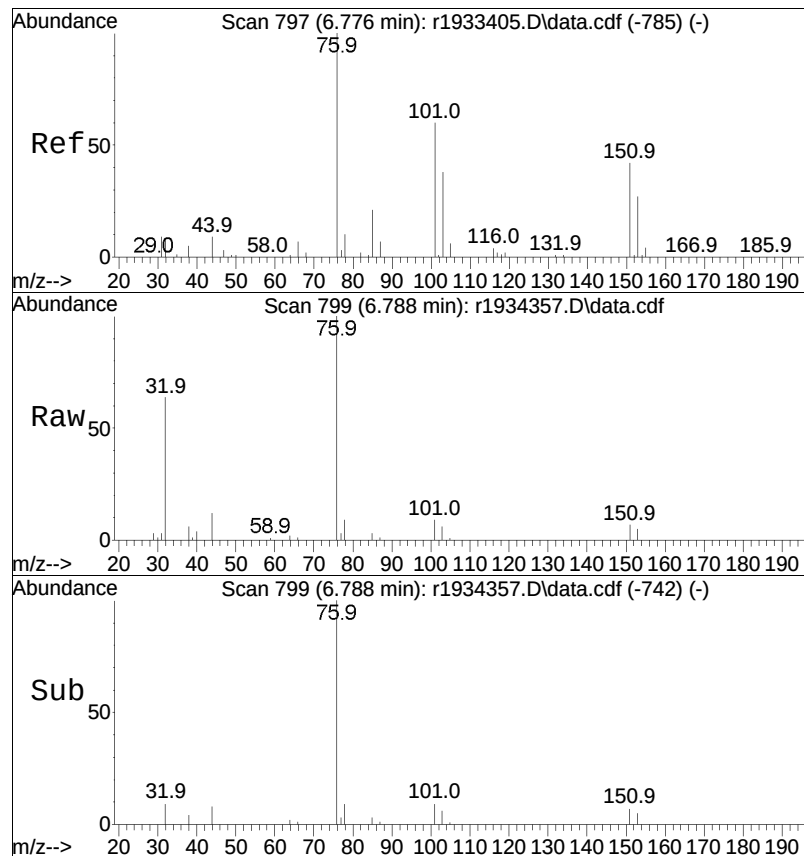




#30
carbon disulfide
Concen: 0.45 ppbV
RT: 6.788 min Scan# 799
Delta R.T. 0.012 min
Lab File: r1934357.D
Acq: 8 May 2025 12:54 AM

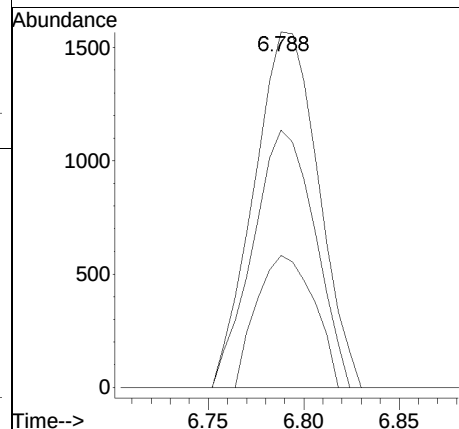
Tgt	Ion	Resp	Lower	Upper
76	100	34142		
44	12.2	7.0	10.6	

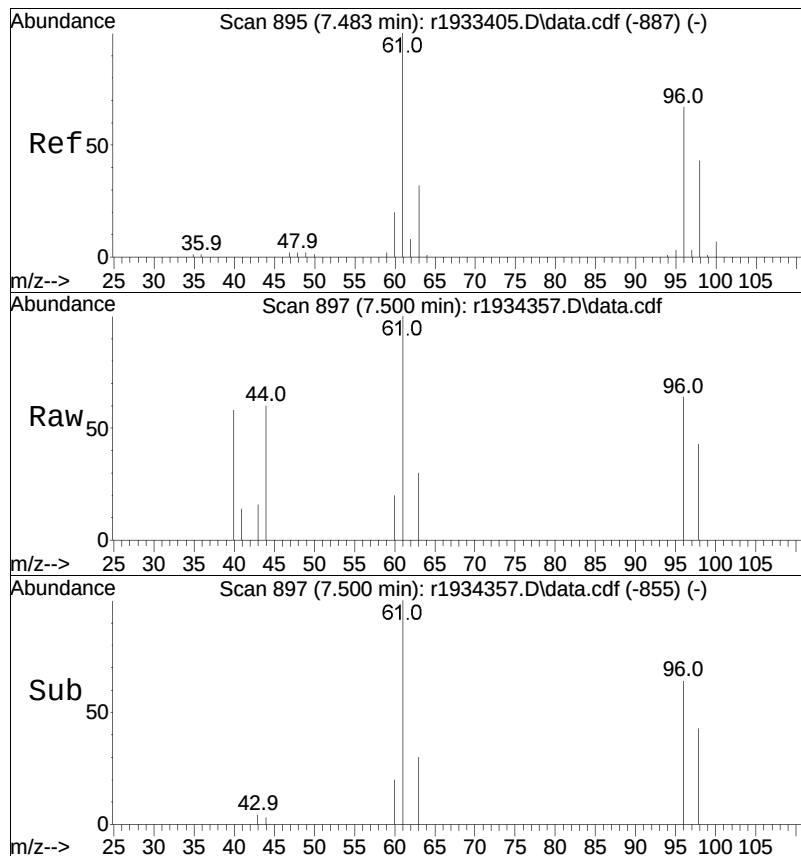




#31
 Freon 113
 Concen: 0.07 ppbV
 RT: 6.788 min Scan# 799
 Delta R.T. 0.012 min
 Lab File: r1934357.D
 Acq: 8 May 2025 12:54 AM

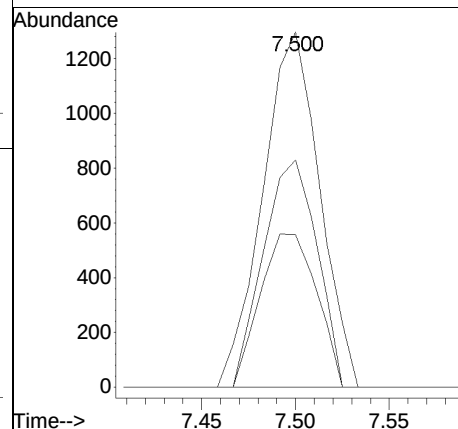
Tgt	Ion:101	Resp:	3684
Ion	Ratio	Lower	Upper
101	100		
85	37.1	27.7	41.5
151	72.4	56.6	85.0

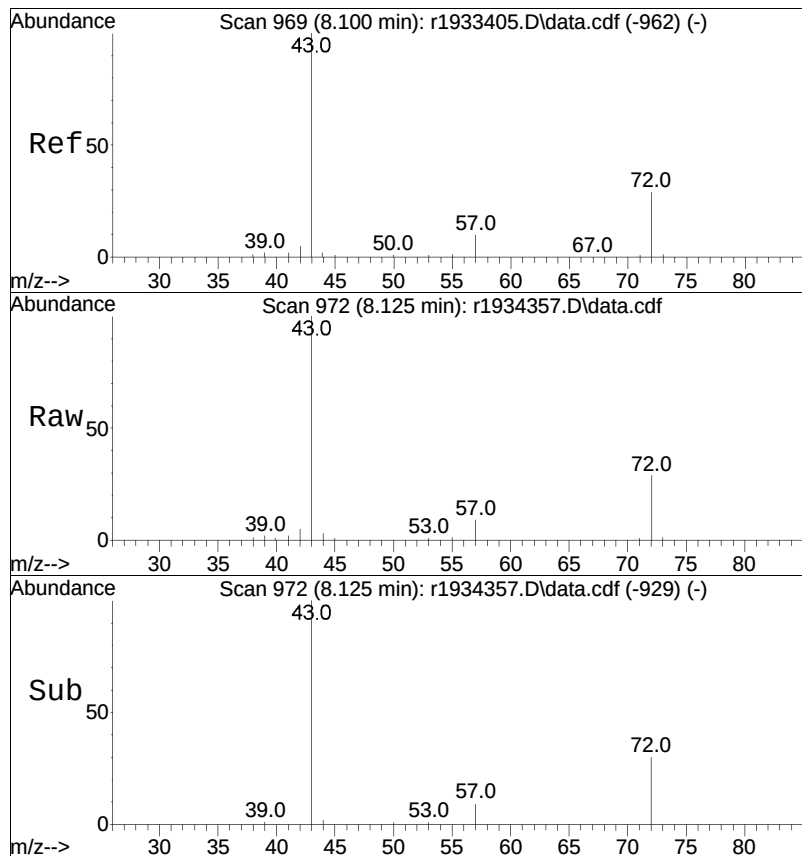




#32
 trans-1,2-dichloroethene
 Concen: 0.06 ppbV
 RT: 7.500 min Scan# 897
 Delta R.T. 0.017 min
 Lab File: r1934357.D
 Acq: 8 May 2025 12:54 AM

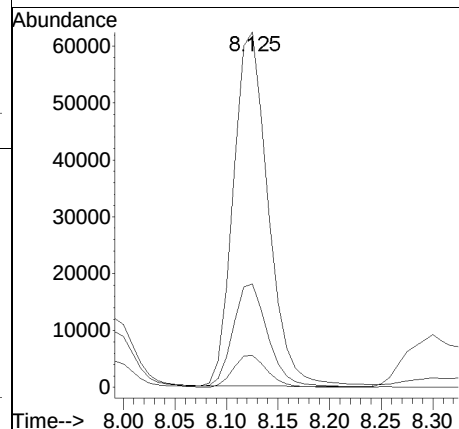
Tgt Ion:	61	Resp:	2735
Ion Ratio	Lower	Upper	
61	100		
96	64.0	53.8	80.6
98	42.9	34.3	51.5

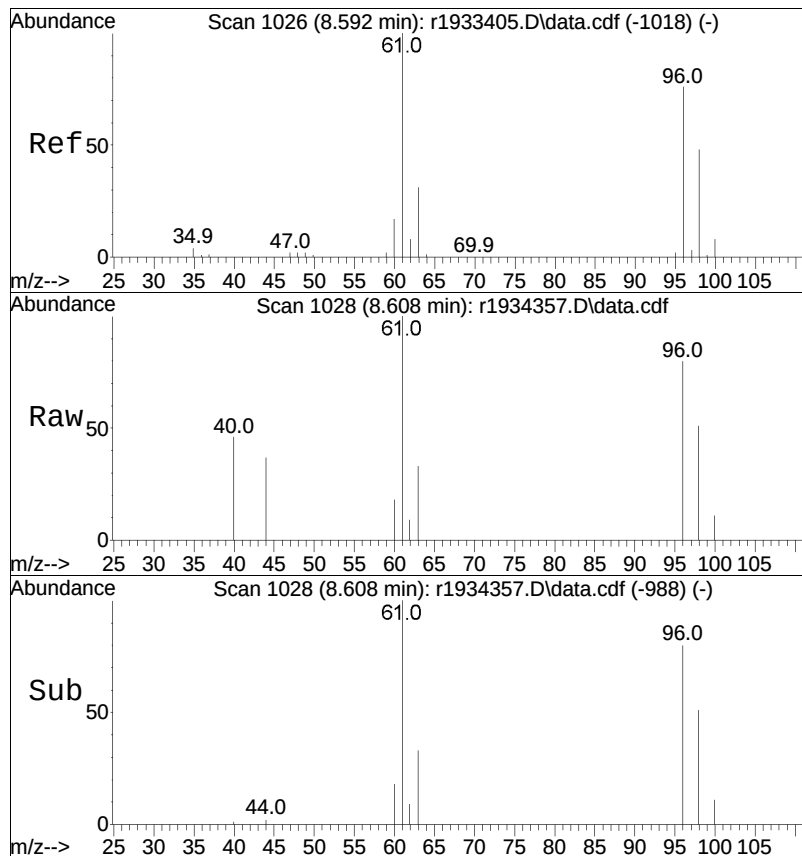




#36
 2-butanone
 Concen: 2.50 ppbV
 RT: 8.125 min Scan# 972
 Delta R.T. 0.025 min
 Lab File: r1934357.D
 Acq: 8 May 2025 12:54 AM

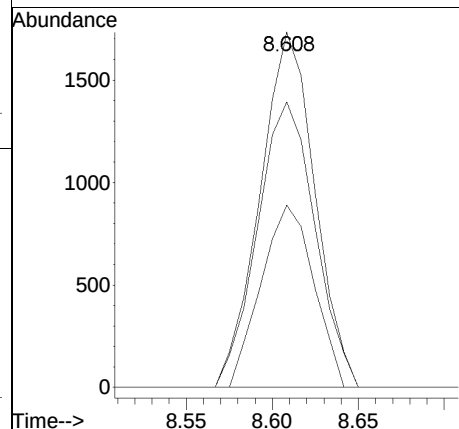
Tgt Ion:	43	Resp:	146273
Ion Ratio	Lower	Upper	
43	100		
72	29.1	23.3	34.9
57	9.1	7.9	11.9

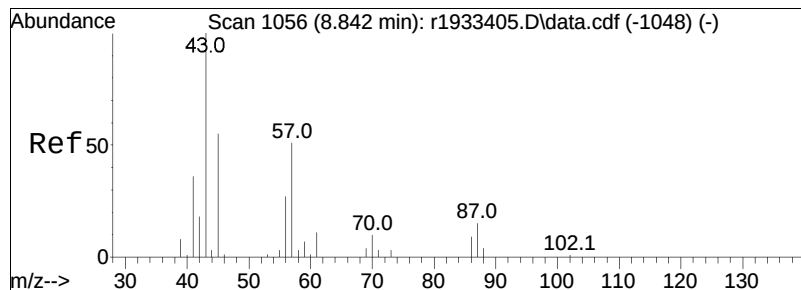




#37
 cis-1,2-dichloroethene
 Concen: 0.09 ppbV
 RT: 8.608 min Scan# 1028
 Delta R.T. 0.017 min
 Lab File: r1934357.D
 Acq: 8 May 2025 12:54 AM

Tgt Ion:	61	Resp:	3854
Ion Ratio	Lower	Upper	
61	100		
96	80.3	61.1	91.7
98	51.3	38.5	57.7





#38

Ethyl Acetate

Concen: 0.06 ppbV

RT: 8.875 min Scan# 1060

Delta R.T. 0.033 min

Lab File: r1934357.D

Acq: 8 May 2025 12:54 AM

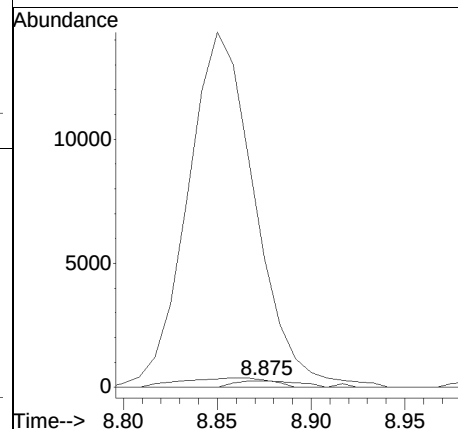
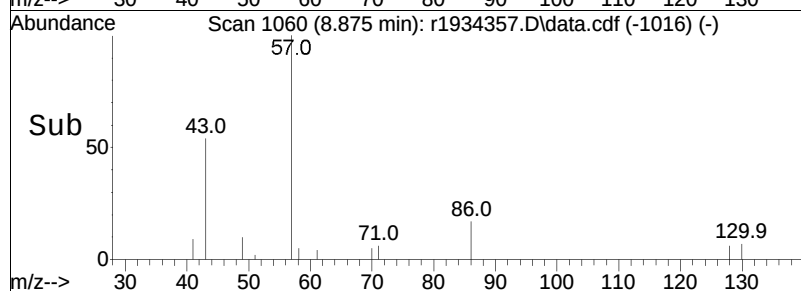
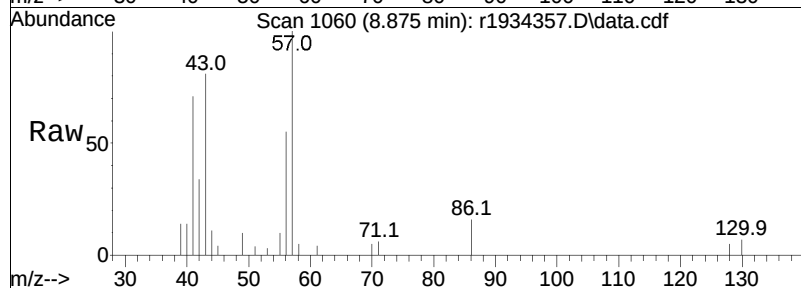
Tgt Ion: 61 Resp: 710

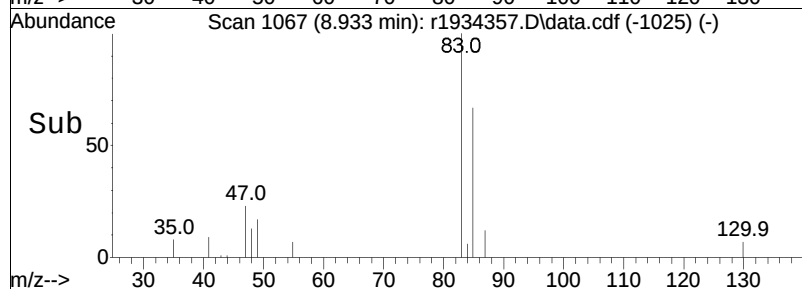
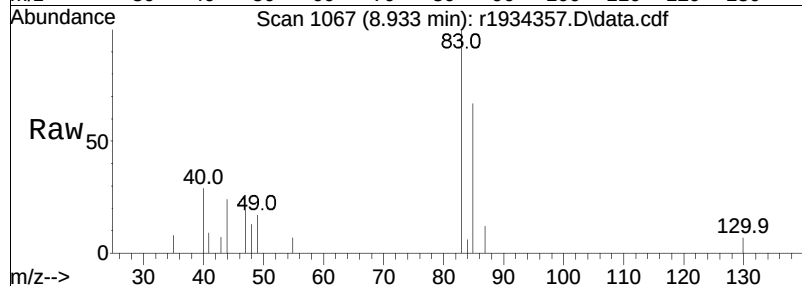
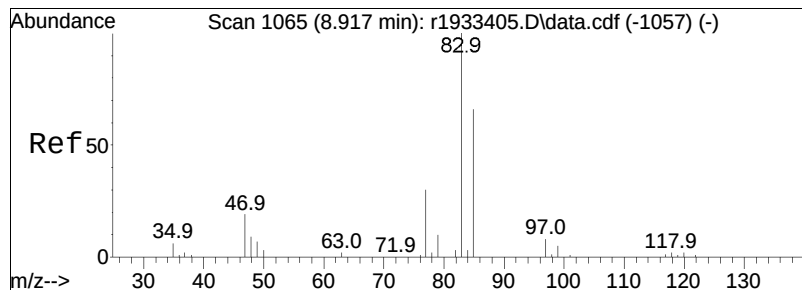
Ion Ratio Lower Upper

61 100

70 112.3 72.0 108.0#

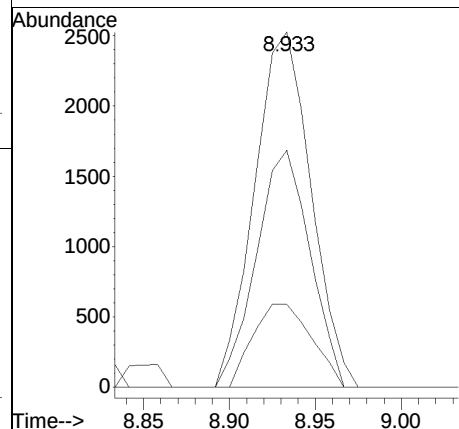
43 2009.6 714.4 1071.6#

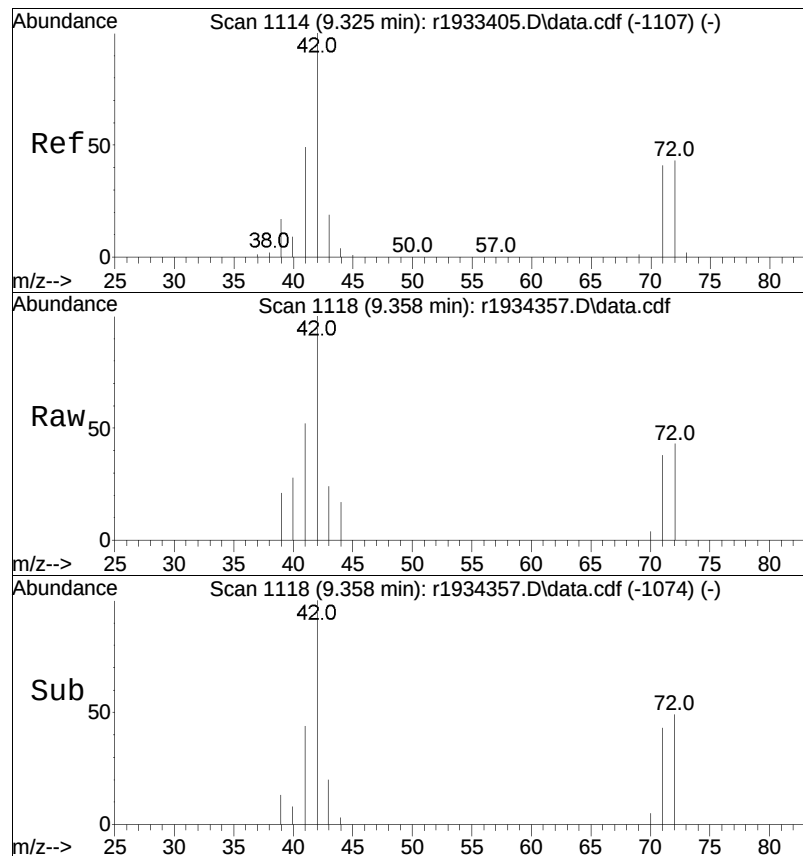




#39
chloroform
Concen: 0.13 ppbV
RT: 8.933 min Scan# 1067
Delta R.T. 0.017 min
Lab File: r1934357.D
Acq: 8 May 2025 12:54 AM

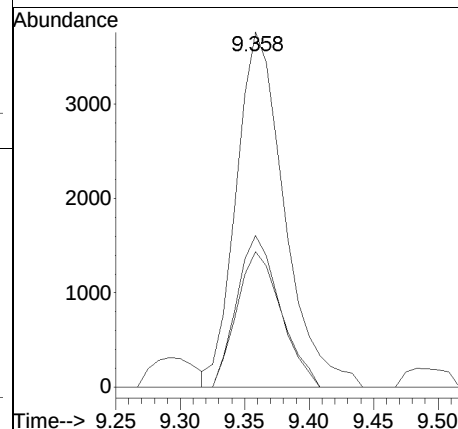
Tgt Ion:	83	Resp:	5784
Ion Ratio	Lower	Upper	
83	100		
85	66.7	53.4	80.0
47	23.4	15.0	22.4#

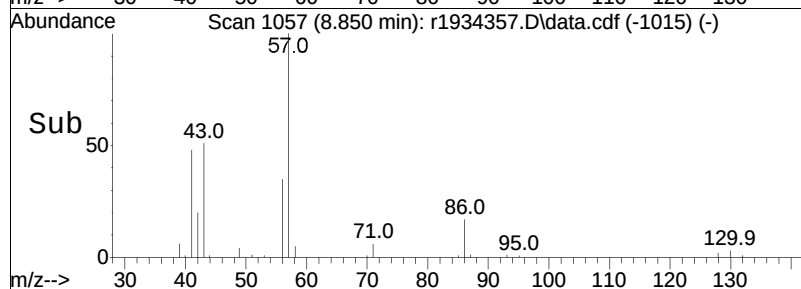
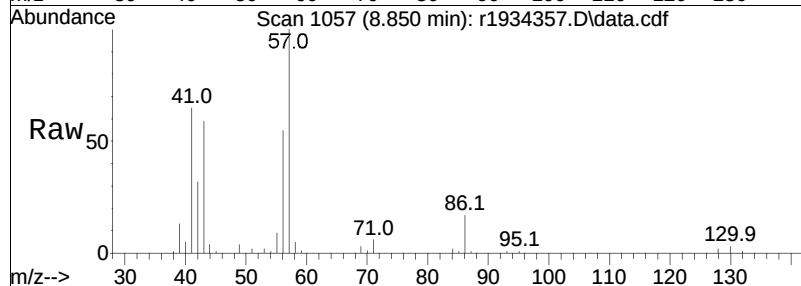
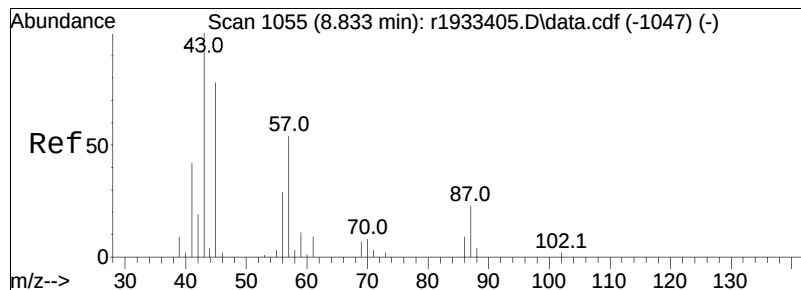




#40
 Tetrahydrofuran
 Concen: 0.29 ppbV
 RT: 9.358 min Scan# 1118
 Delta R.T. 0.033 min
 Lab File: r1934357.D
 Acq: 8 May 2025 12:54 AM

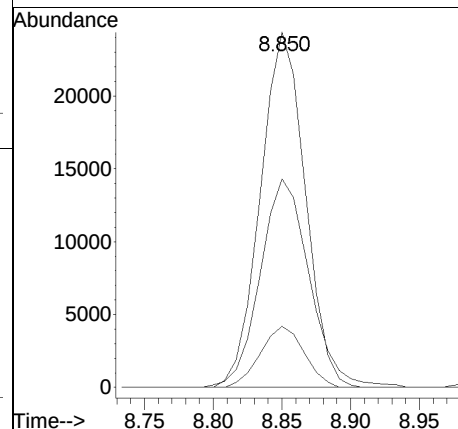
Tgt Ion:	42	Resp:	9796
Ion Ratio	Lower	Upper	
42	100		
71	38.2	32.6	48.8
72	42.7	34.6	52.0

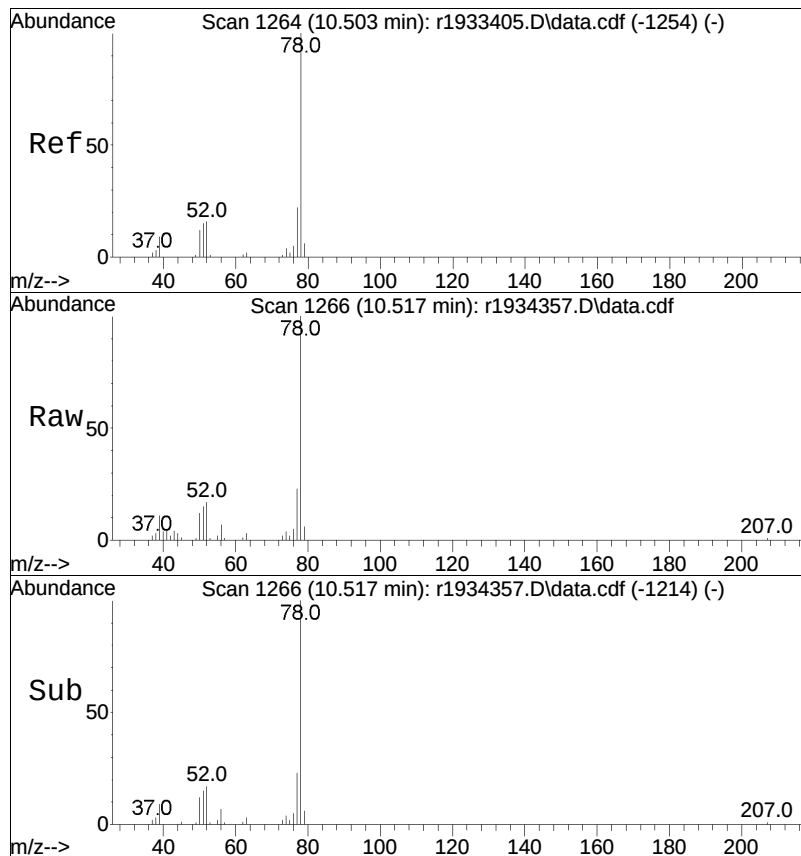




#44
hexane
Concen: 0.90 ppbV
RT: 8.850 min Scan# 1057
Delta R.T. 0.017 min
Lab File: r1934357.D
Acq: 8 May 2025 12:54 AM

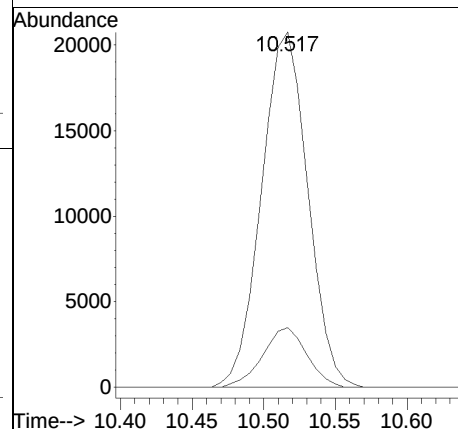
Tgt Ion:	57	Resp:	55005
Ion Ratio	100	Lower	Upper
43	58.7	148.0	222.0#
86	17.2	13.7	20.5

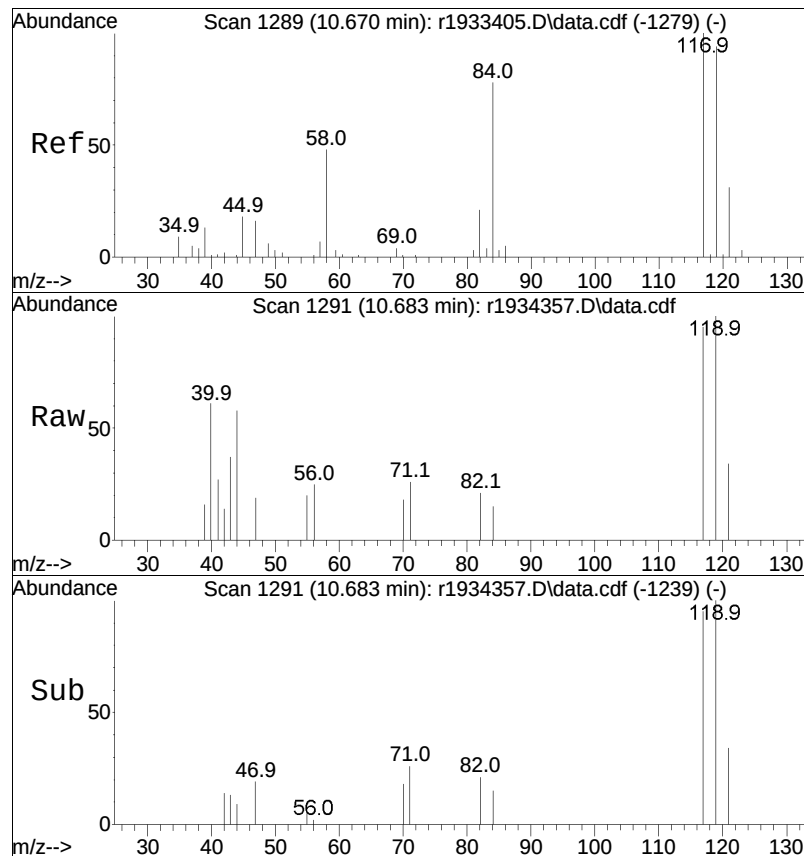




#50
benzene
Concen: 0.53 ppbV
RT: 10.517 min Scan# 1266
Delta R.T. 0.013 min
Lab File: r1934357.D
Acq: 8 May 2025 12:54 AM

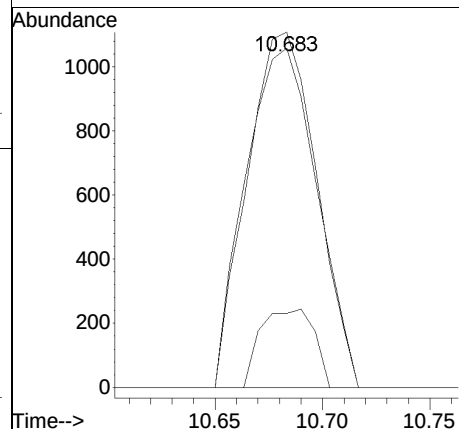
Tgt Ion	Ratio	Lower	Upper
78	100		
52	16.8	13.2	19.8

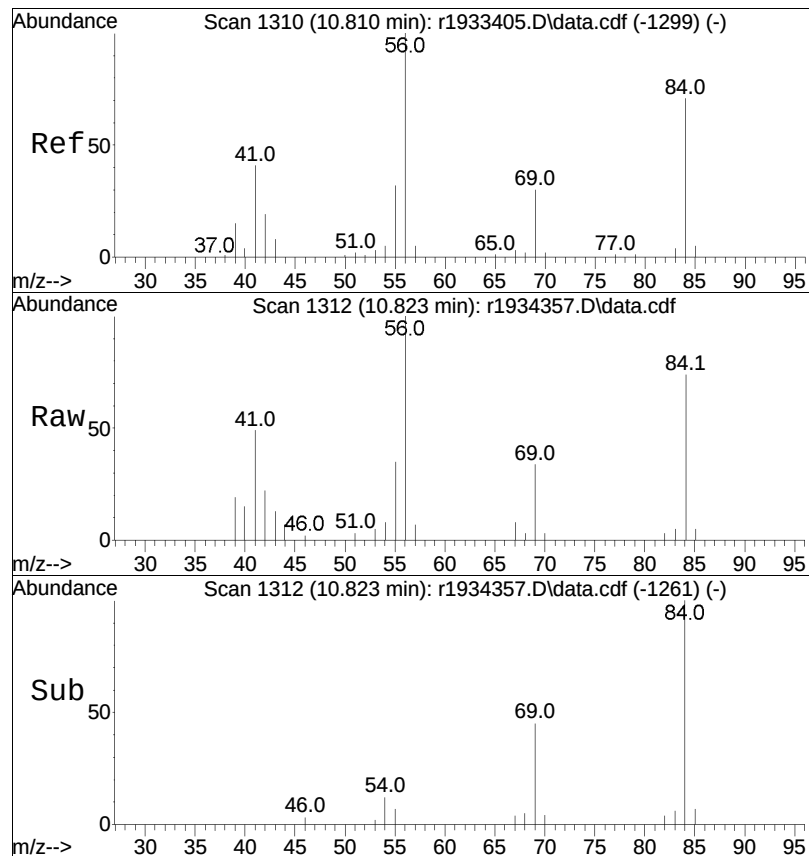




#52
 carbon tetrachloride
 Concen: 0.07 ppbV
 RT: 10.683 min Scan# 1291
 Delta R.T. 0.013 min
 Lab File: r1934357.D
 Acq: 8 May 2025 12:54 AM

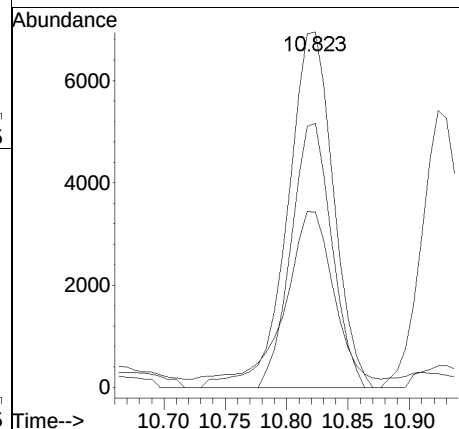
Tgt Ion	Ratio	Lower	Upper
117	100		
119	104.7	75.6	113.4
82	21.8	16.8	25.2

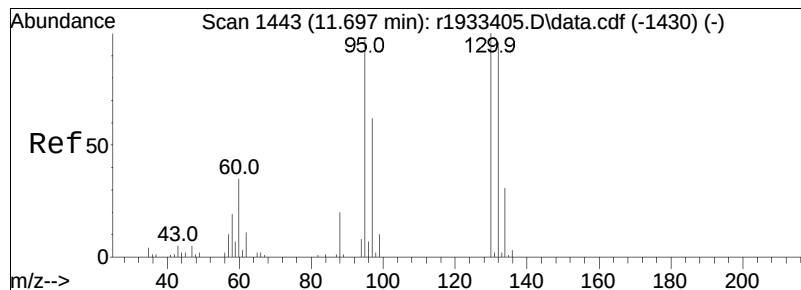




#53
cyclohexane
Concen: 0.31 ppbV
RT: 10.823 min Scan# 1312
Delta R.T. 0.013 min
Lab File: r1934357.D
Acq: 8 May 2025 12:54 AM

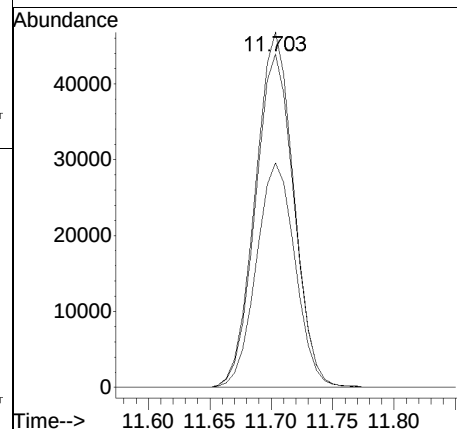
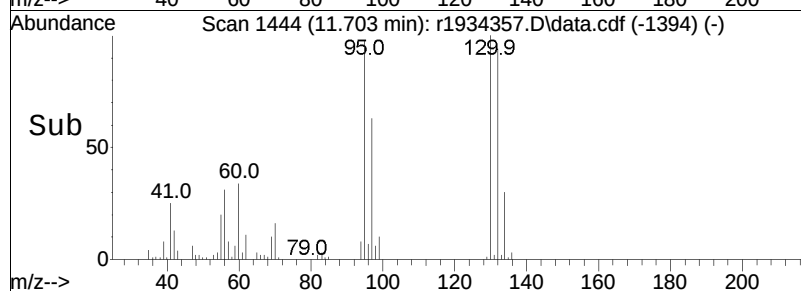
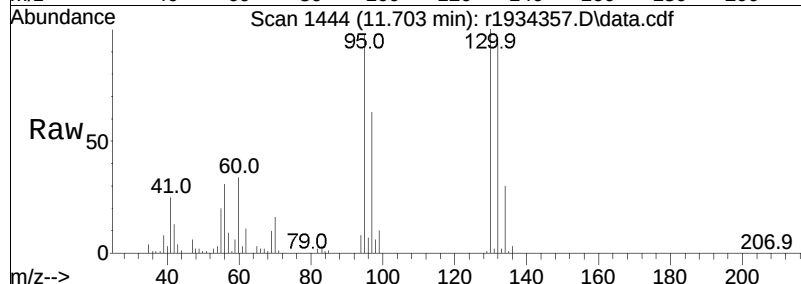
Tgt	Ion	Resp	Lower	Upper
56	100			
84	74.3	56.8	85.2	
41	49.4	32.8	49.2#	

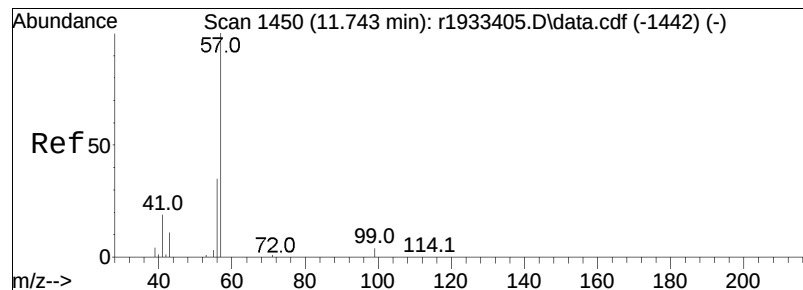




#59
trichloroethene
Concen: 2.67 ppbV
RT: 11.703 min Scan# 1444
Delta R.T. 0.007 min
Lab File: r1934357.D
Acq: 8 May 2025 12:54 AM

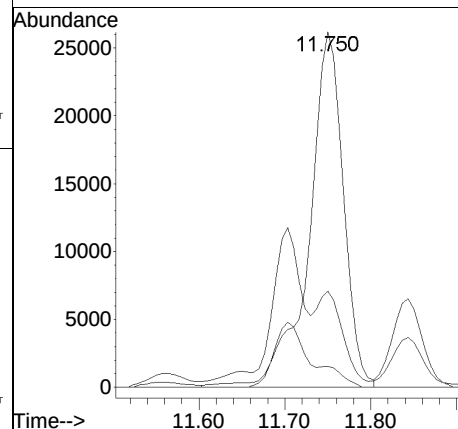
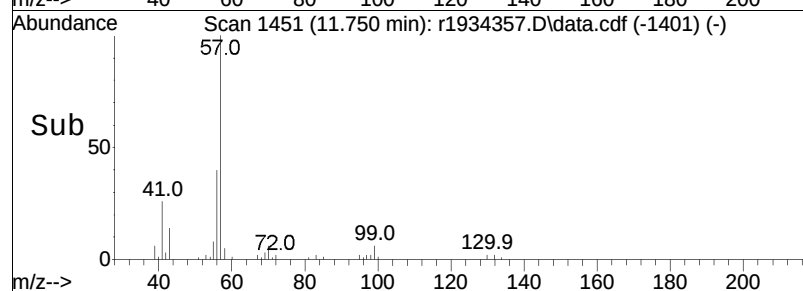
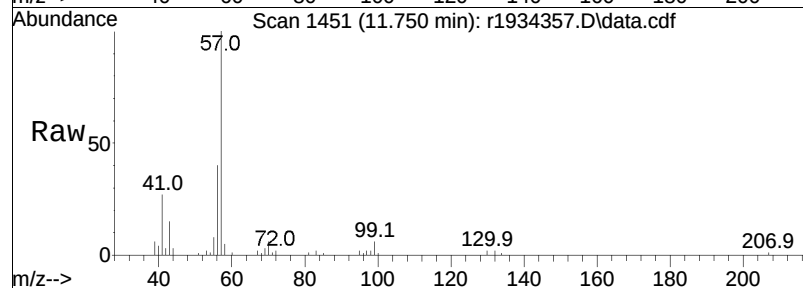
Tgt	Ion	Ratio	Resp	Lower	Upper
130	100		101998		
132	93.8	76.6	114.8		
97	63.2	49.3	73.9		

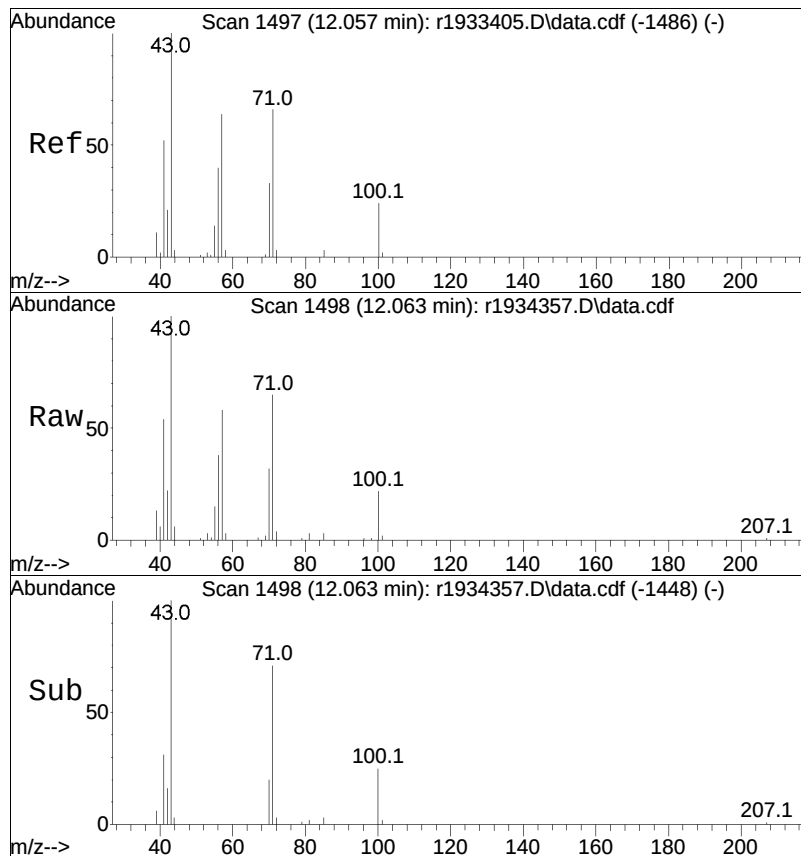




#60
 2,2,4-trimethylpentane
 Concen: 0.42 ppbV
 RT: 11.750 min Scan# 1451
 Delta R.T. 0.007 min
 Lab File: r1934357.D
 Acq: 8 May 2025 12:54 AM

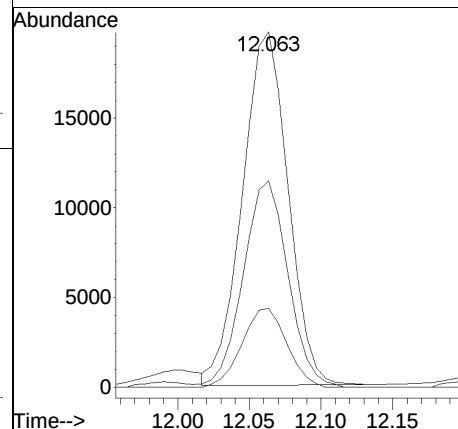
Tgt Ion	Ratio	Lower	Upper
57	100		
99	5.9	4.7	7.1
41	27.1	15.1	22.7

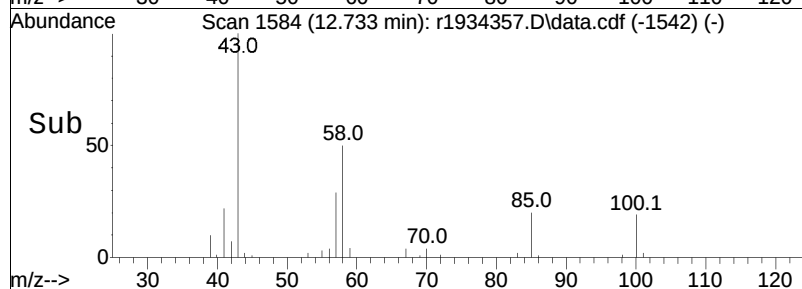
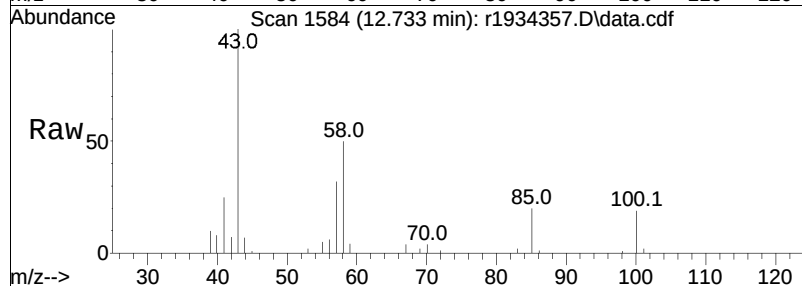
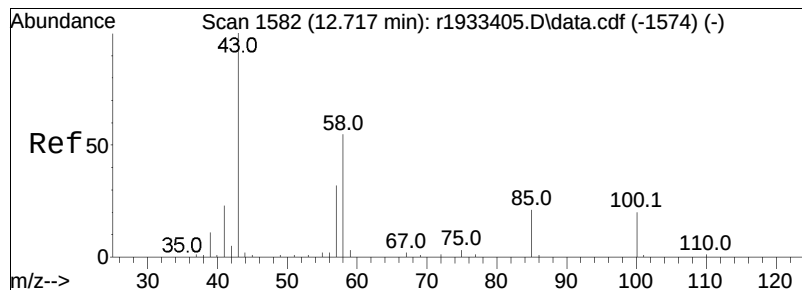




#62
 heptane
 Concen: 0.80 ppbV
 RT: 12.063 min Scan# 1498
 Delta R.T. 0.007 min
 Lab File: r1934357.D
 Acq: 8 May 2025 12:54 AM

Tgt Ion:	43	Resp:	43569
Ion Ratio	Lower	Upper	
43	100		
57	58.1	51.3	76.9
100	22.3	19.3	28.9





#64

4-methyl-2-pentanone

Concen: 0.48 ppbV

RT: 12.733 min Scan# 1584

Delta R.T. 0.017 min

Lab File: r1934357.D

Acq: 8 May 2025 12:54 AM

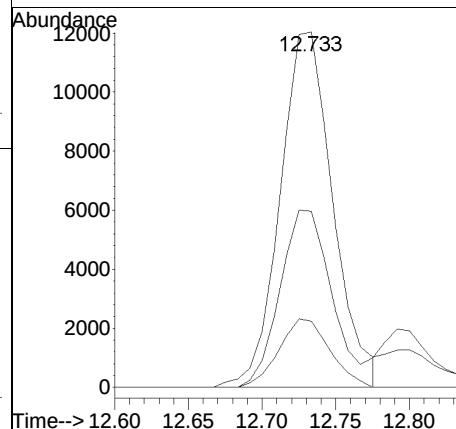
Tgt Ion: 43 Resp: 29998

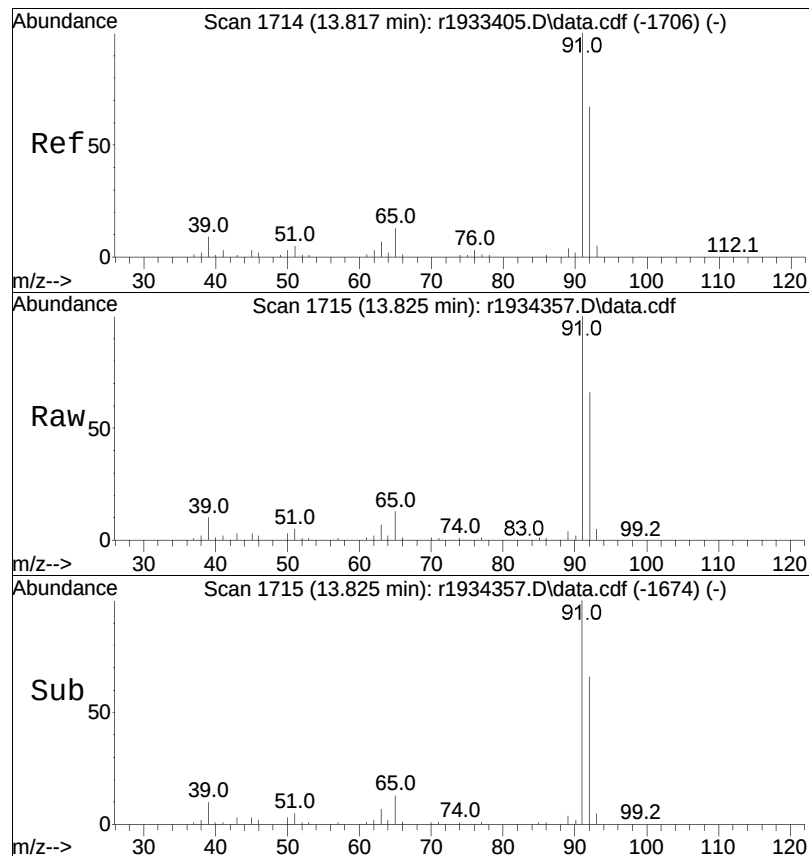
Ion Ratio Lower Upper

43 100

58 49.6 44.1 66.1

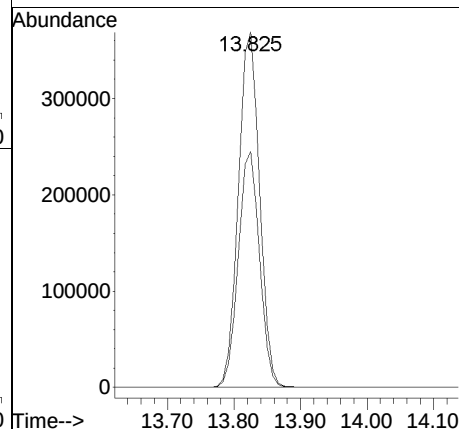
100 18.6 16.3 24.5

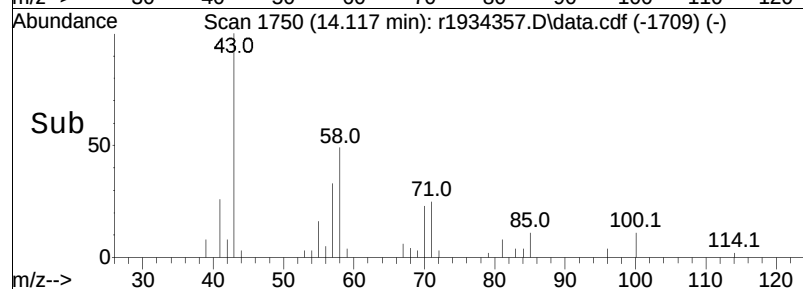
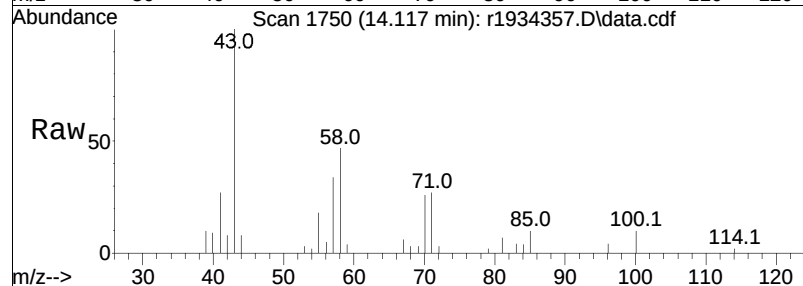
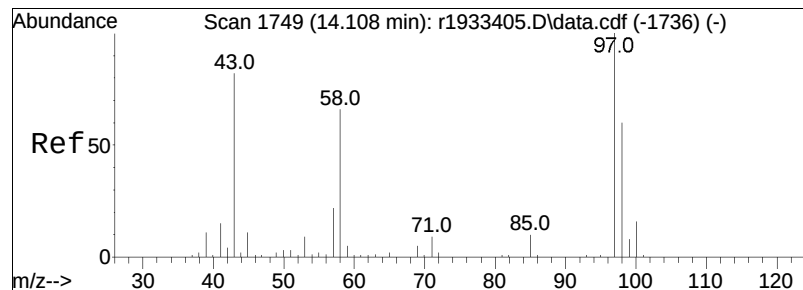




#68
toluene
Concen: 7.48 ppbV
RT: 13.825 min Scan# 1715
Delta R.T. 0.008 min
Lab File: r1934357.D
Acq: 8 May 2025 12:54 AM

Tgt	Ion	Resp	Lower	Upper
91	100			
92	66.4	53.5	80.3	





#72

2-hexanone

Concen: 0.29 ppbV

RT: 14.117 min Scan# 1750

Delta R.T. 0.008 min

Lab File: r1934357.D

Acq: 8 May 2025 12:54 AM

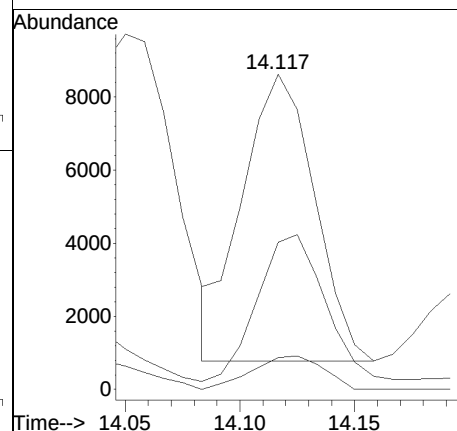
Tgt Ion: 43 Resp: 17170

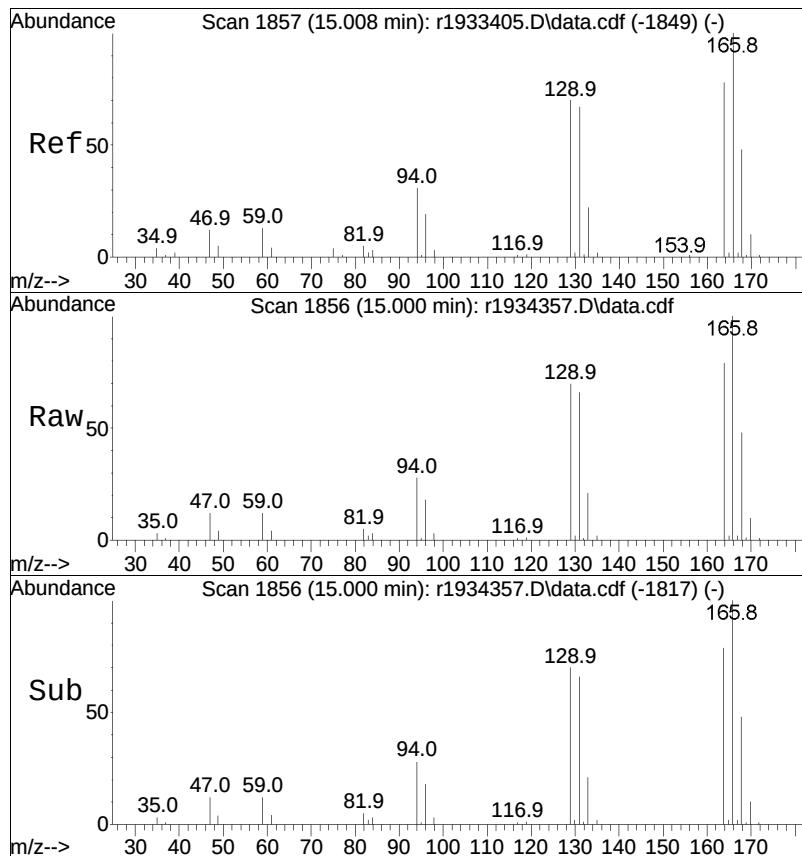
Ion Ratio Lower Upper

43 100

58 46.7 65.2 97.8#

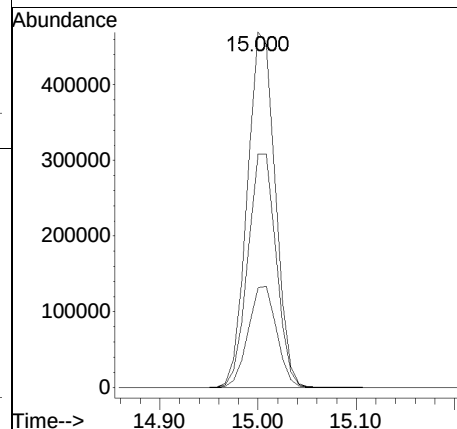
100 10.1 15.7 23.5#

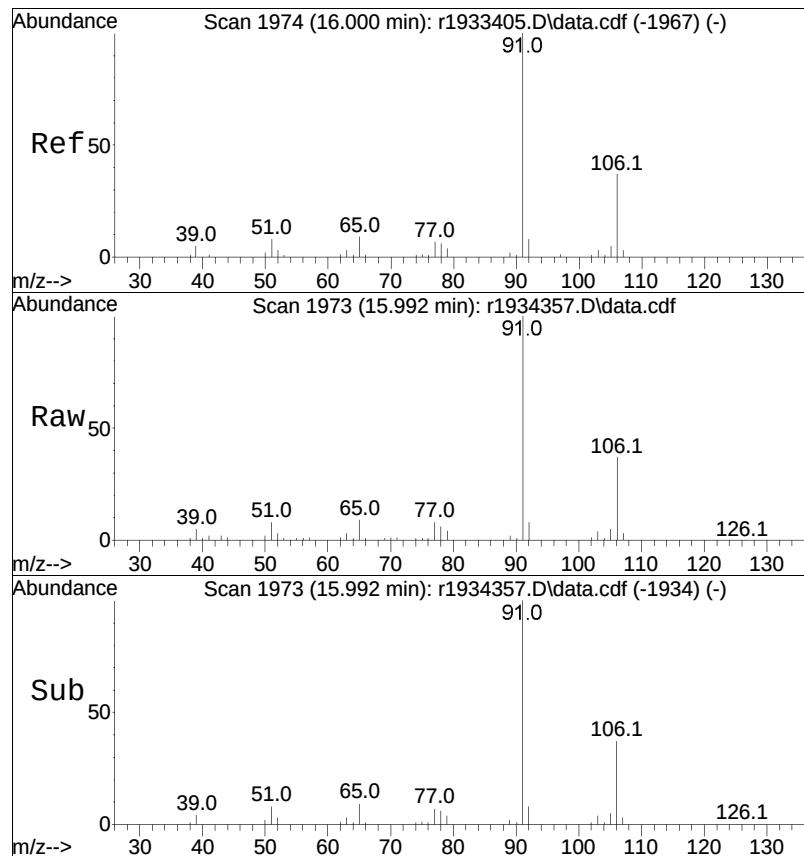




#78
 tetrachloroethene
 Concen: 19.76 ppbV
 RT: 15.000 min Scan# 1856
 Delta R.T. -0.008 min
 Lab File: r1934357.D
 Acq: 8 May 2025 12:54 AM

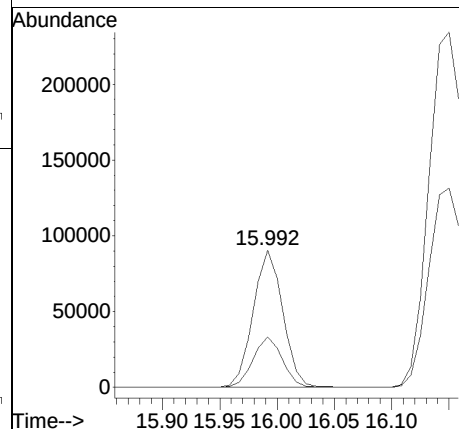
Tgt	Ion:166	Resp:	929797
Ion	Ratio	Lower	Upper
166	100		
131	65.7	53.6	80.4
94	28.1	24.4	36.6

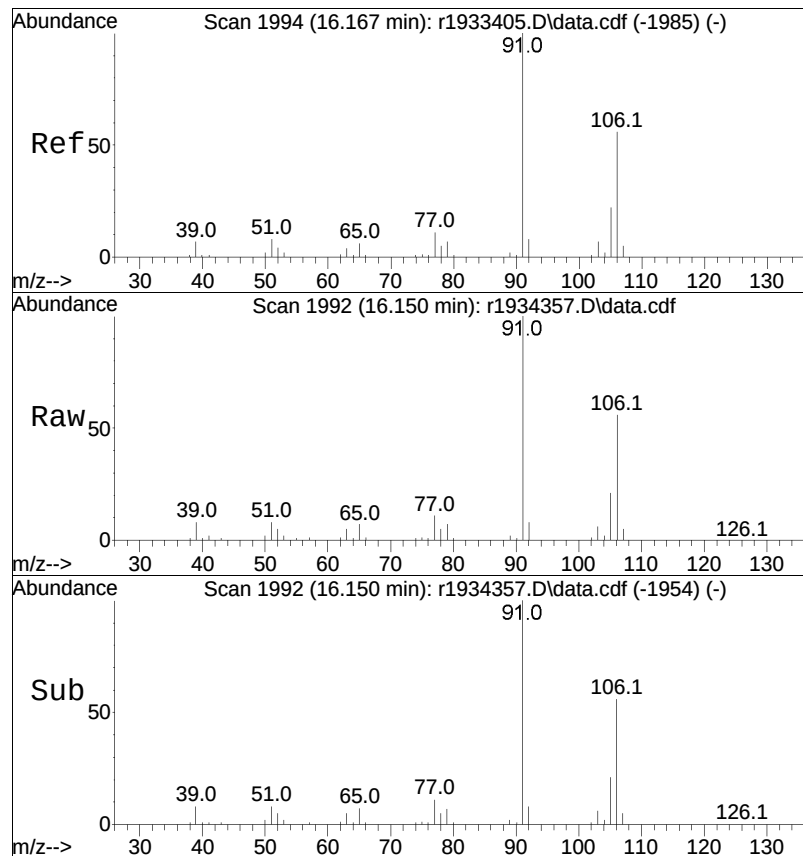




#81
ethylbenzene
Concen: 1.17 ppbV
RT: 15.992 min Scan# 1973
Delta R.T. -0.008 min
Lab File: r1934357.D
Acq: 8 May 2025 12:54 AM

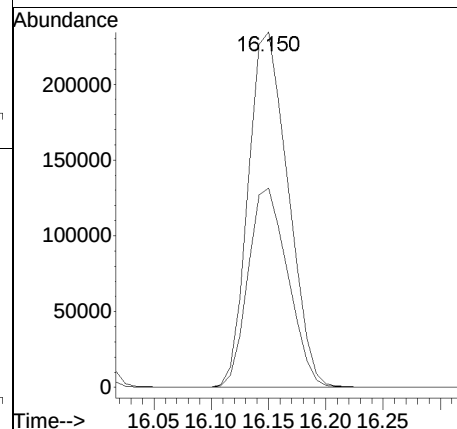
Tgt	Ion	Resp	Lower	Upper
91	100	163344		
106	36.9	29.3	43.9	

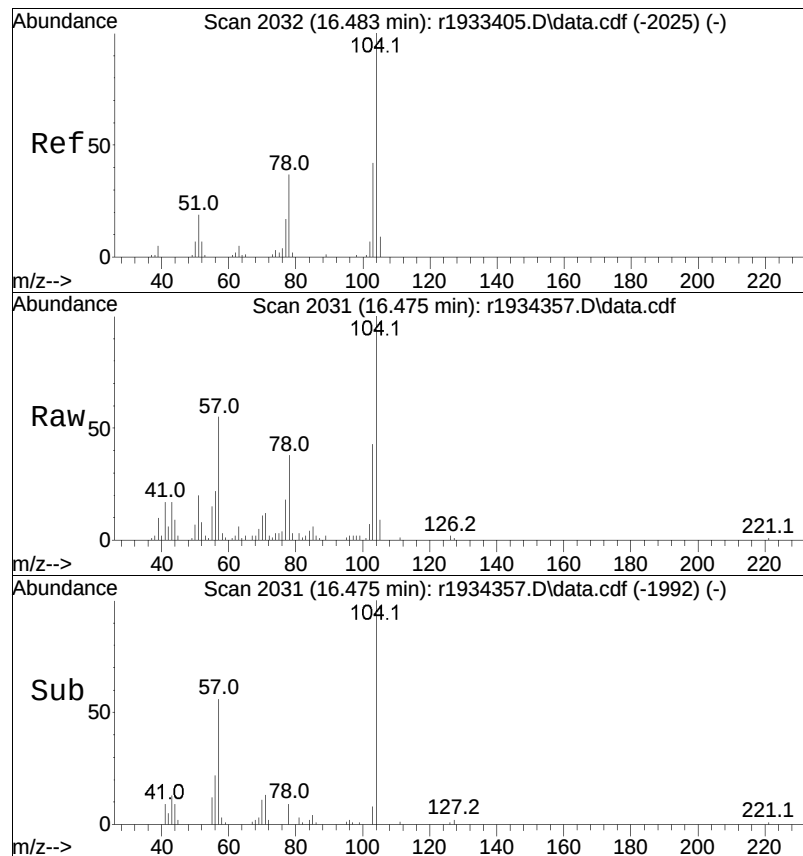




#83
 m+p-xylene
 Concen: 5.10 ppbV
 RT: 16.150 min Scan# 1992
 Delta R.T. -0.017 min
 Lab File: r1934357.D
 Acq: 8 May 2025 12:54 AM

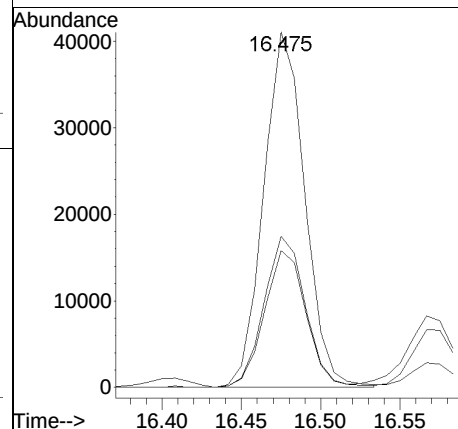
Tgt	Ion	Resp	Lower	Upper
91	100	567126		
106	56.1	44.6	67.0	

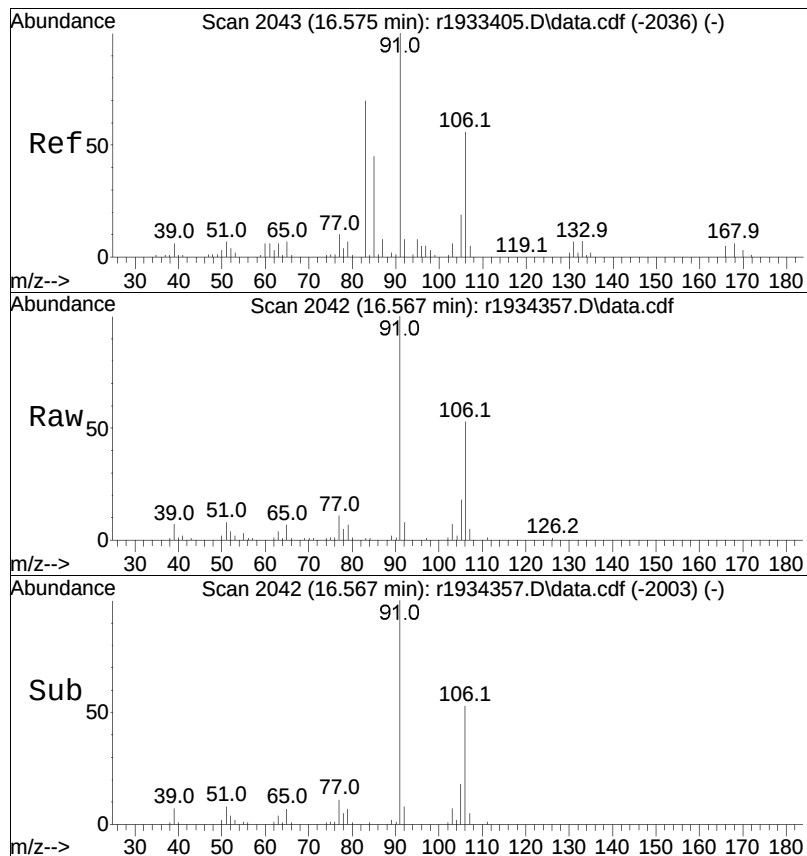




#85
styrene
Concen: 0.80 ppbV
RT: 16.475 min Scan# 2031
Delta R.T. -0.008 min
Lab File: r1934357.D
Acq: 8 May 2025 12:54 AM

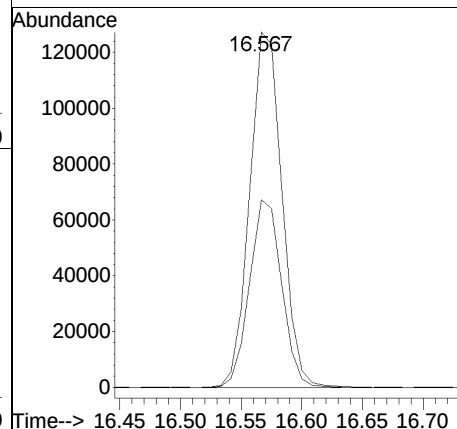
Tgt Ion	Ratio	Lower	Upper
104	100		
103	42.5	33.8	50.6
78	38.5	29.9	44.9

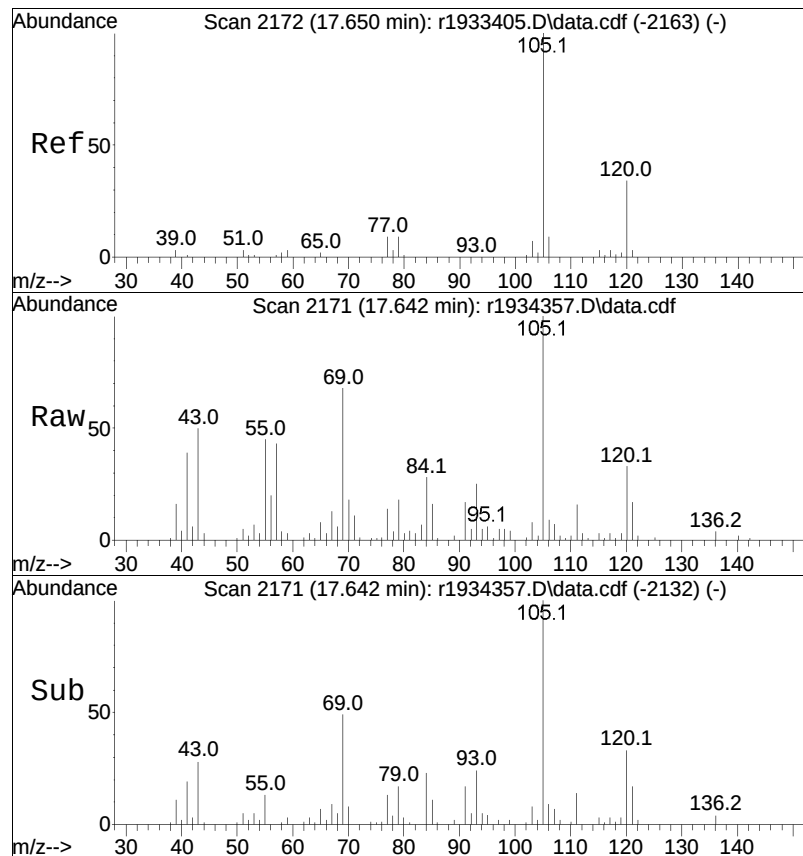




#87
 o-xylene
 Concen: 2.17 ppbV
 RT: 16.567 min Scan# 2042
 Delta R.T. -0.008 min
 Lab File: r1934357.D
 Acq: 8 May 2025 12:54 AM

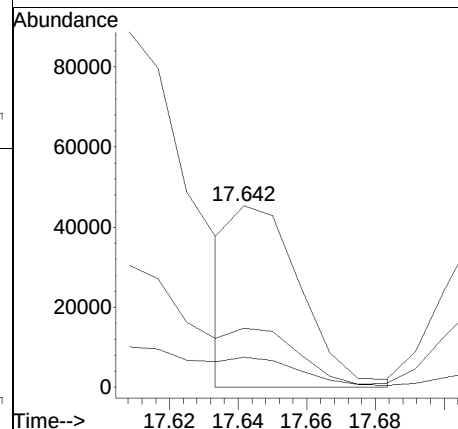
Tgt Ion	Ratio	Lower	Upper
91	100		
106	52.8	44.5	66.7

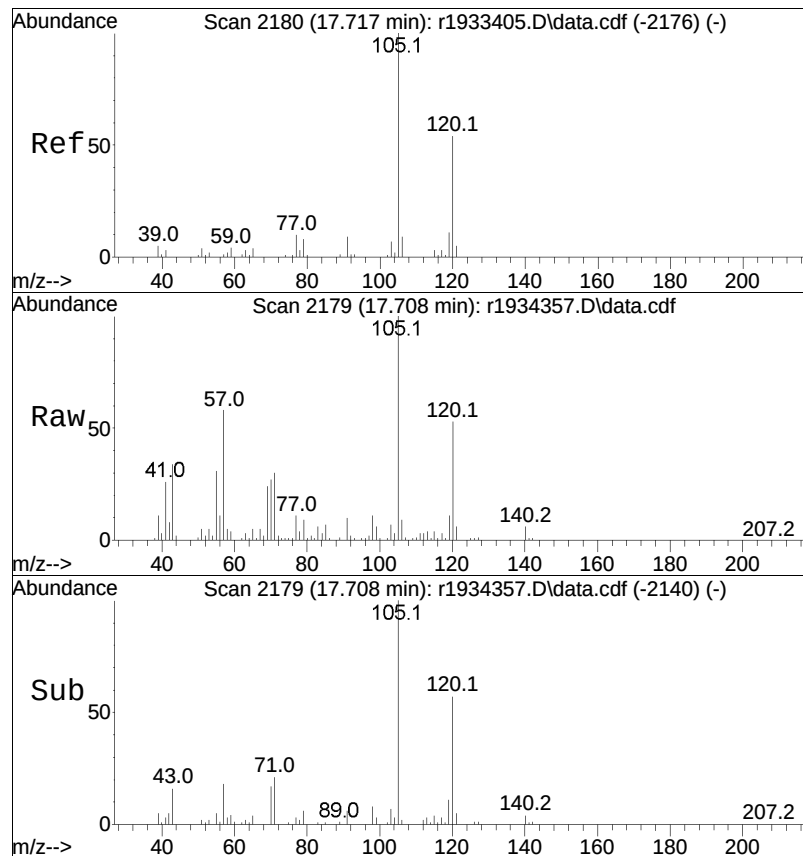




#96
 4-ethyl toluene
 Concen: 0.44 ppbV m
 RT: 17.642 min Scan# 2171
 Delta R.T. -0.008 min
 Lab File: r1934357.D
 Acq: 8 May 2025 12:54 AM

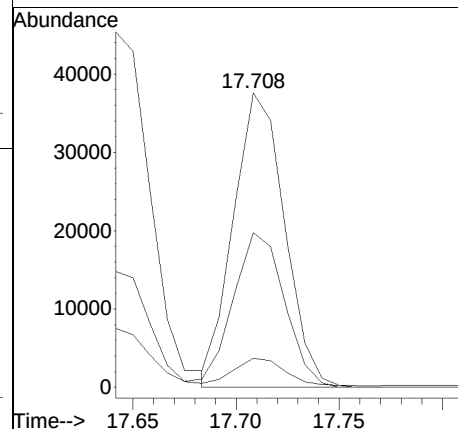
Tgt Ion:	105	Resp:	63046
Ion Ratio	Lower	Upper	
105	100		
120	32.6	27.0	40.6
91	16.6	7.8	11.8#

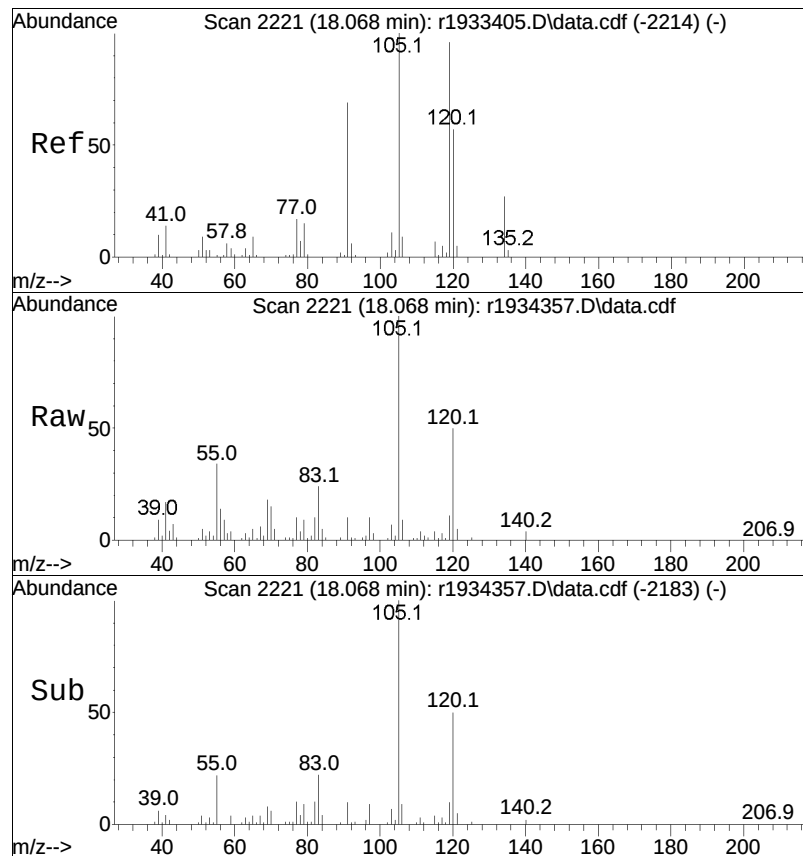




#97
 1,3,5-trimethylbenzene
 Concen: 0.52 ppbV
 RT: 17.708 min Scan# 2179
 Delta R.T. -0.008 min
 Lab File: r1934357.D
 Acq: 8 May 2025 12:54 AM

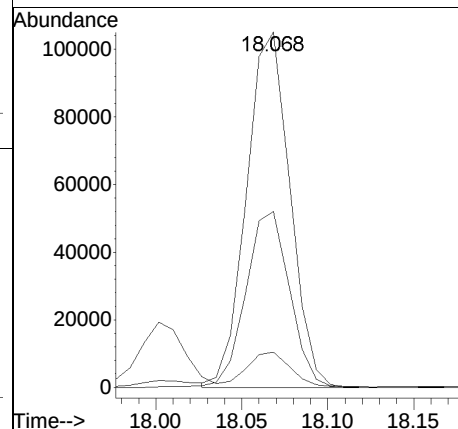
Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.6	42.5	63.7
91	9.9	7.4	11.2

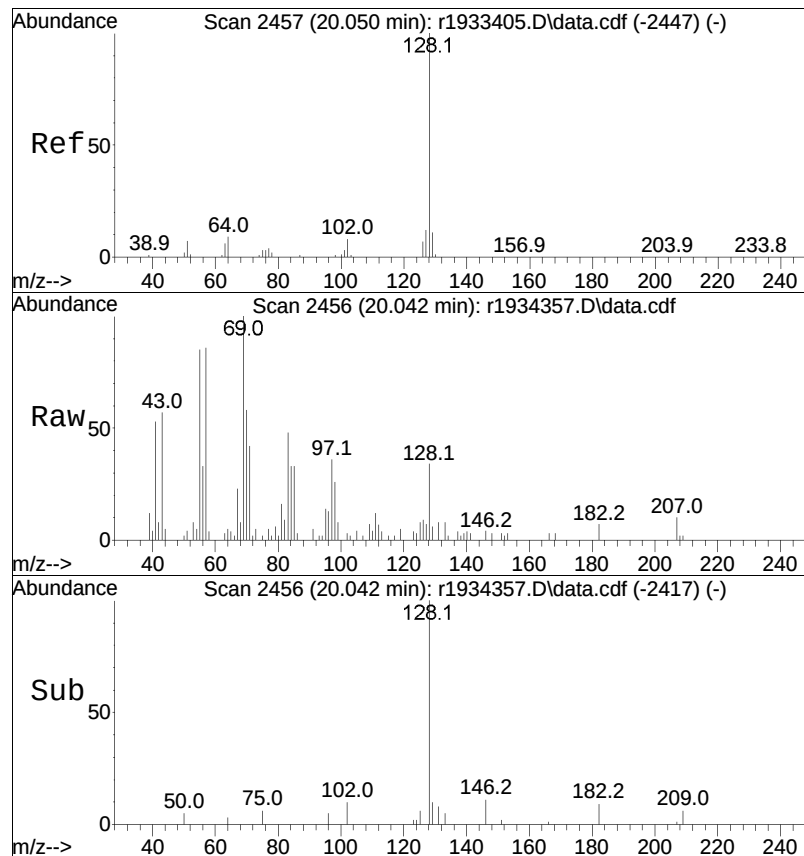




#99
 1,2,4-trimethylbenzene
 Concen: 1.48 ppbV
 RT: 18.068 min Scan# 2221
 Delta R.T. 0.000 min
 Lab File: r1934357.D
 Acq: 8 May 2025 12:54 AM

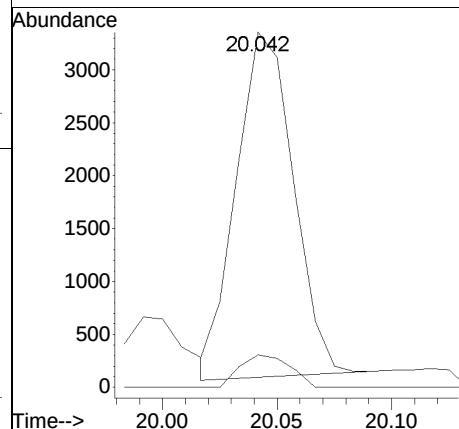
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	185002		
120	49.5		45.8	68.6
91	9.9		55.0	82.6#





#116
 naphthalene
 Concen: 0.05 ppbV
 RT: 20.042 min Scan# 2456
 Delta R.T. -0.008 min
 Lab File: r1934357.D
 Acq: 8 May 2025 12:54 AM

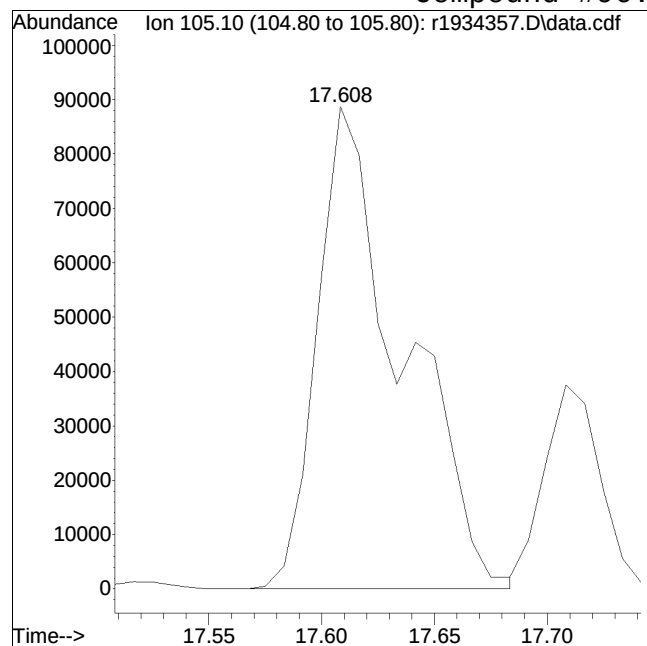
Tgt Ion	Ratio	Lower	Upper
128	100		
102	9.1	6.2	9.2



Manual Integration Report

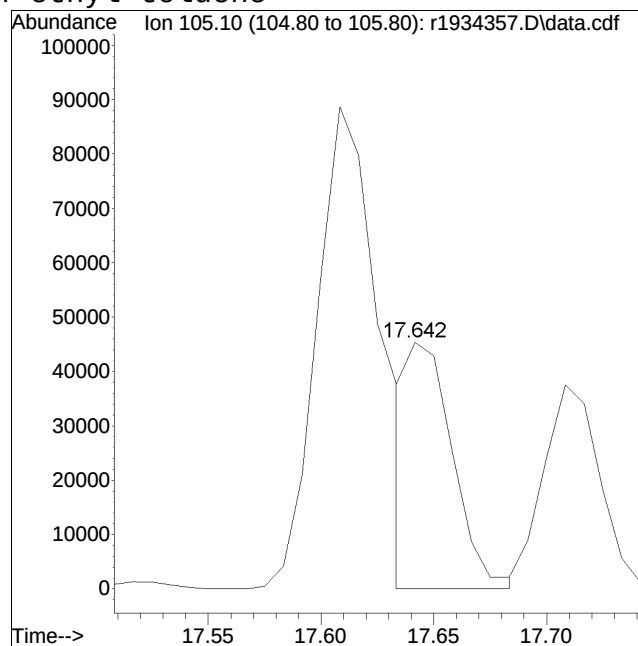
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934357.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 12:54 AM Instrument :
Sample : L2525337-01,3,250,250 Quant Date : 5/8/2025 6:17 am

Compound #96: 4-ethyl toluene



Original Peak Response = 232224

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 63046 M6

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934358.D
 Acq On : 8 May 2025 1:34 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-02,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:18:24 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

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

Internal Standards						
1) bromochloromethane	8.792	49	343546	10.000	ppbV	0.02
Standard Area = 339843			Recovery =	101.09%		
43) 1,4-difluorobenzene	10.923	114	982262	10.000	ppbV	0.00
Standard Area = 931395			Recovery =	105.46%		
67) chlorobenzene-D5	15.600	54	150997	10.000	ppbV	0.00
Standard Area = 169143			Recovery =	89.27%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	4.076	85	19843	0.434	ppbV	99
6) chloromethane	4.226	50	4203	0.242	ppbV	98
7) Freon-114	4.322		0	N.D.		
9) vinyl chloride	0.000		0	N.D.		
10) 1,3-butadiene	4.556	54	15844	0.808	ppbV #	20
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	5.096	31	98693	4.805	ppbV #	71
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.560	43	3503477	97.013	ppbV	96
21) trichlorofluoromethane	5.737	101	8775	0.199	ppbV	92
22) isopropyl alcohol	5.807	45	275916	6.617	ppbV	99
26) 1,1-dichloroethene	6.410		0	N.D.		
27) tertiary butyl alcohol	6.410	59	463967	7.122	ppbV	95
28) methylene chloride	6.518	49	2778	0.101	ppbV	94
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	6.794	76	16893	0.225	ppbV #	2
31) Freon 113	6.794	101	3795	0.075	ppbV	95
32) trans-1,2-dichloroethene	7.508	61	2565	0.056	ppbV	95
33) 1,1-dichloroethane	7.817		0	N.D.		
34) MTBE	7.775		0	N.D.		
36) 2-butanone	8.125	43	102233	1.771	ppbV	100
37) cis-1,2-dichloroethene	8.608		0	N.D.		
38) Ethyl Acetate	0.000		0	N.D.	d	
39) chloroform	8.933	83	12736	0.282	ppbV	98
40) Tetrahydrofuran	9.358	42	14145	0.431	ppbV	98
42) 1,2-dichloroethane	9.733		0	N.D.		
44) hexane	8.850	57	71498	1.193	ppbV #	19

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934358.D
 Acq On : 8 May 2025 1:34 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-02,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:18:24 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

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

48) 1,1,1-trichloroethane	0.000		0	N.D.		
50) benzene	10.517	78	54966	0.637	ppbV	98
52) carbon tetrachloride	10.683	117	1784	0.055	ppbV #	86
53) cyclohexane	10.817	56	26730	0.465	ppbV	94
56) 1,2-dichloropropane	11.423		0	N.D.		
57) bromodichloromethane	0.000		0	N.D.	d	
58) 1,4-dioxane	11.710		0	N.D.		
59) trichloroethene	11.703	130	462870	12.337	ppbV	99
60) 2,2,4-trimethylpentane	11.750	57	125449	0.735	ppbV #	87
62) heptane	12.063	43	66521	1.241	ppbV	94
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.725	43	17385	0.281	ppbV	95
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	13.583		0	N.D.		
68) toluene	13.817	91	826428	7.715	ppbV	100
72) 2-hexanone	14.108	43	28493M4	0.499	ppbV	
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.000	166	1084913	23.586	ppbV	98
80) chlorobenzene	0.000		0	N.D.	d	
81) ethylbenzene	15.992	91	178756	1.313	ppbV	100
83) m+p-xylene	16.142	91	605382	5.574	ppbV	99
84) bromoform	0.000		0	N.D.		
85) styrene	16.475	104	73441	0.814	ppbV	100
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
87) o-xylene	16.567	91	279304	2.635	ppbV	97
96) 4-ethyl toluene	17.633	105	78822M6	0.563	ppbV	
97) 1,3,5-trimethylbenzene	17.700	105	92002	0.757	ppbV	99
99) 1,2,4-trimethylbenzene	18.043	105	272700	2.225	ppbV #	56
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	18.177		0	N.D.		
103) 1,4-dichlorobenzene	18.235		0	N.D.		
107) 1,2-dichlorobenzene	18.527		0	N.D.		
115) 1,2,4-trichlorobenzene	19.917		0	N.D.		
116) naphthalene	20.025	128	6923	0.058	ppbV #	95
119) hexachlorobutadiene	0.000		0	N.D.		

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934358.D
 Acq On : 8 May 2025 1:34 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-02,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:18:24 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

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

Sub List : T015-NY+Naphthalene - .\2025\05\0507T\r1934340.D

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\

Data File : r1934358.D

Acq On : 8 May 2025 1:34 AM

Operator : AIRLAB19:TPH

Sample : L2525337-02,3,250,250

Misc : WG2063684,ICAL22124

ALS Vial : 0 Sample Multiplier: 1

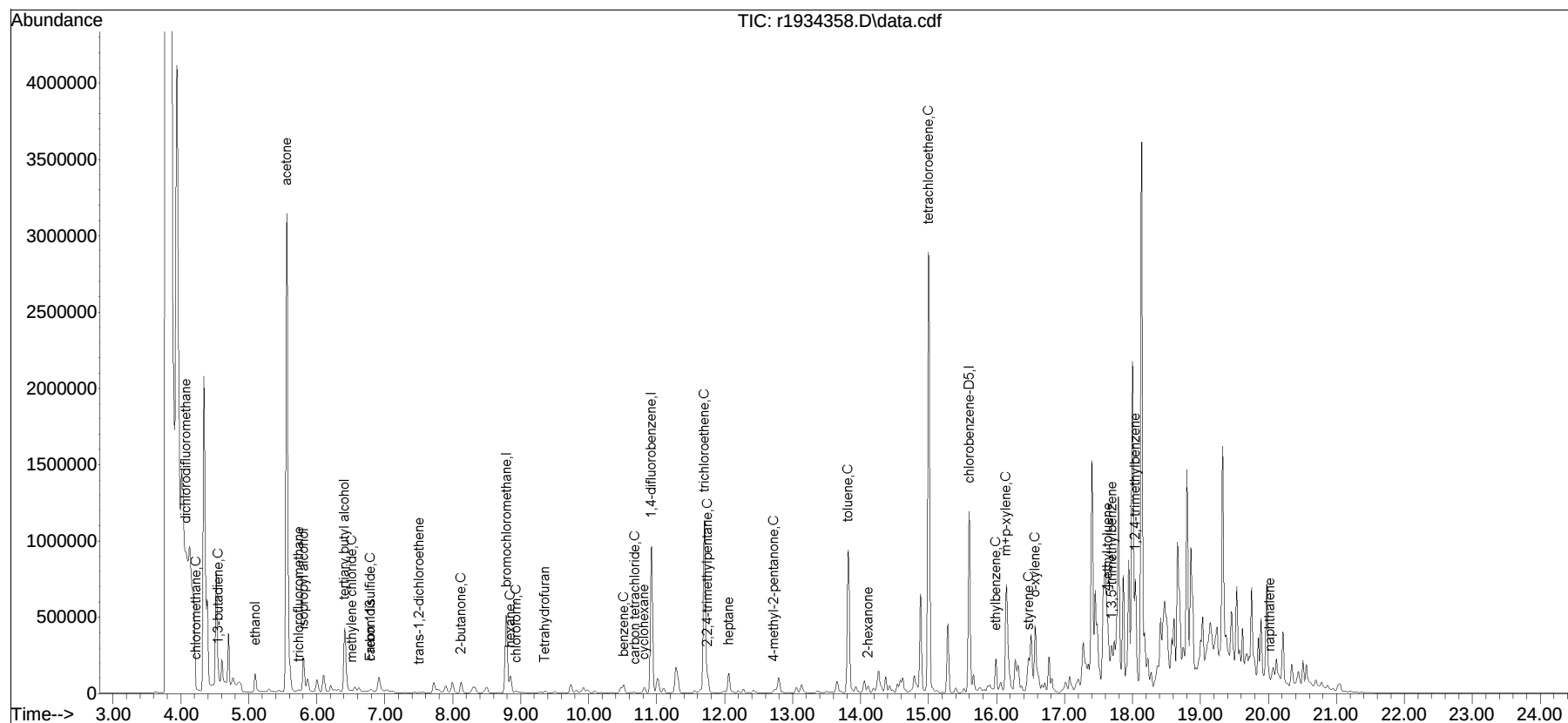
Quant Time: May 08 06:18:24 2025

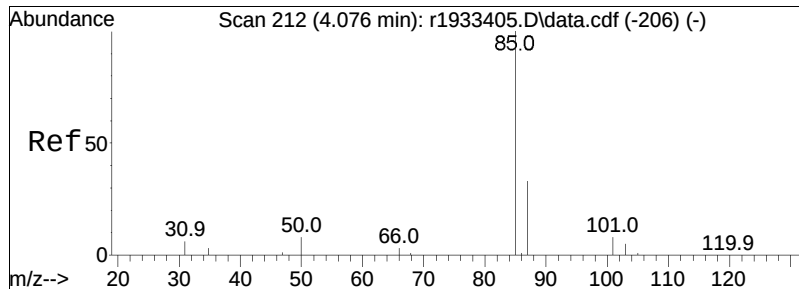
Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M

Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis

QLast Update : Sun Mar 30 07:46:23 2025

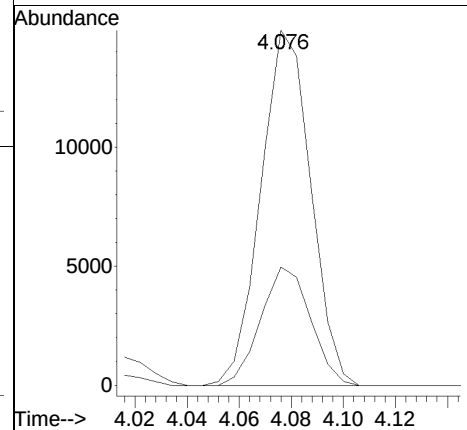
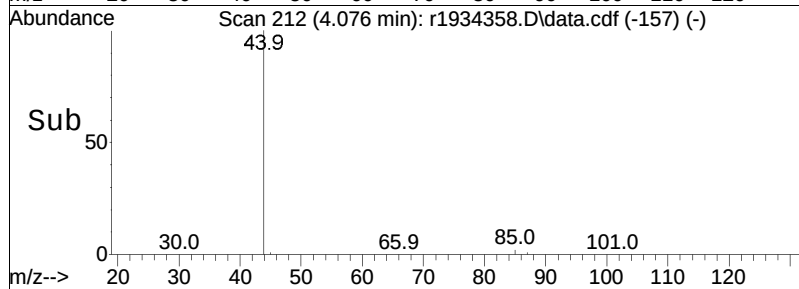
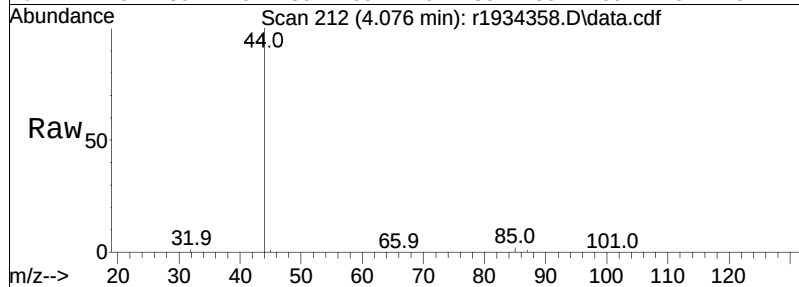
Response via : Initial Calibration

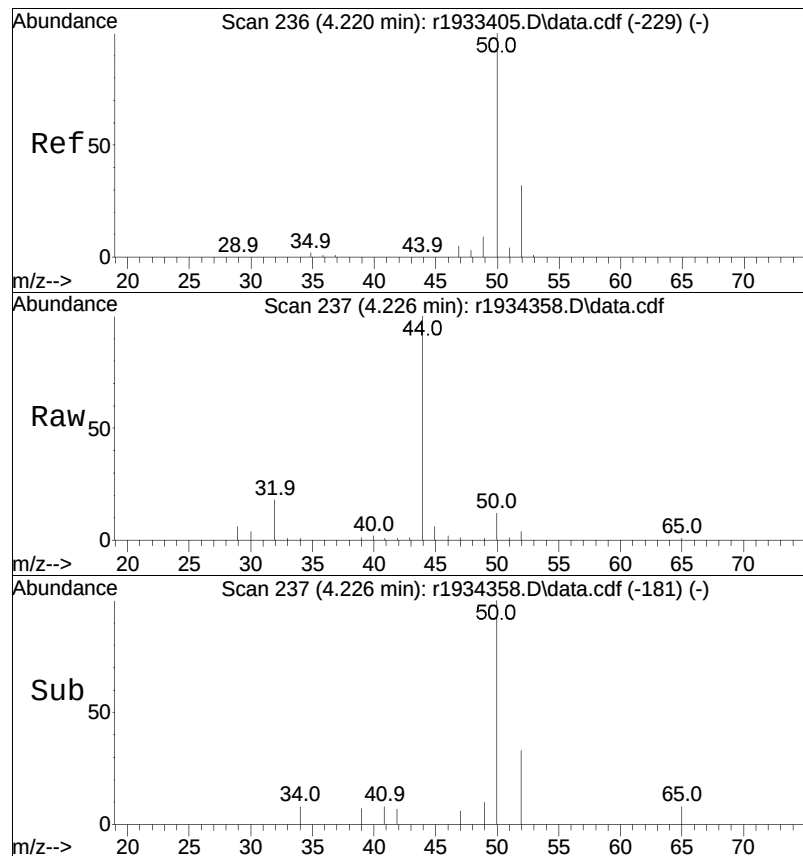




#5
dichlorodifluoromethane
Concen: 0.43 ppbV
RT: 4.076 min Scan# 212
Delta R.T. 0.000 min
Lab File: r1934358.D
Acq: 8 May 2025 1:34 AM

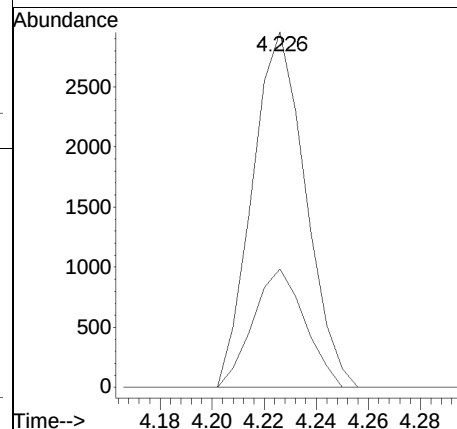
Tgt Ion: 85 Resp: 19843
Ion Ratio Lower Upper
85 100
87 33.3 26.2 39.4

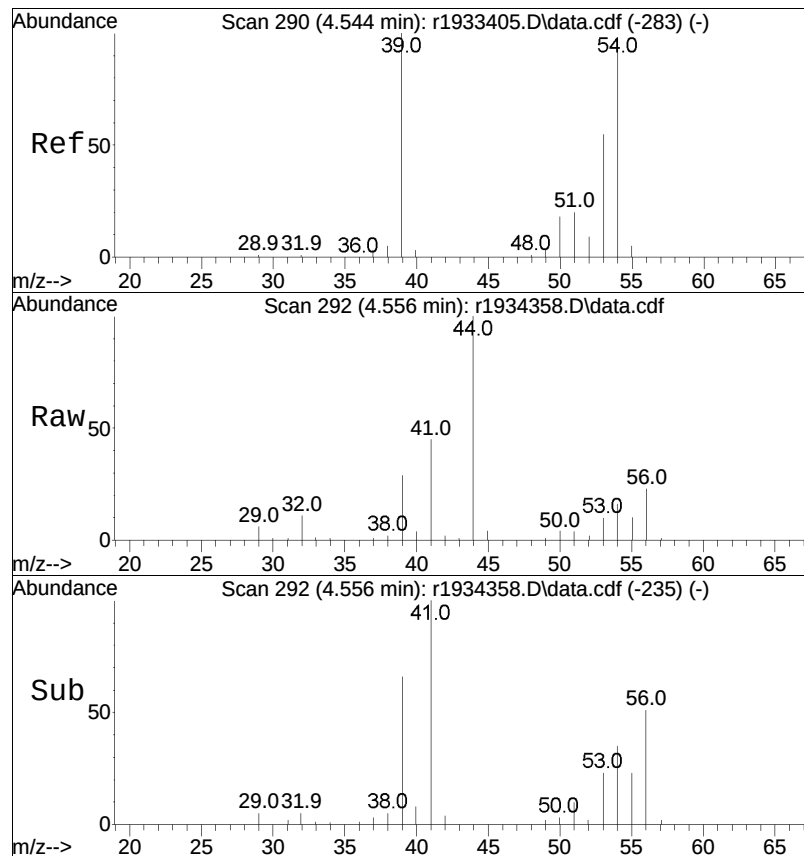




#6
 chloromethane
 Concen: 0.24 ppbV
 RT: 4.226 min Scan# 237
 Delta R.T. 0.006 min
 Lab File: r1934358.D
 Acq: 8 May 2025 1:34 AM

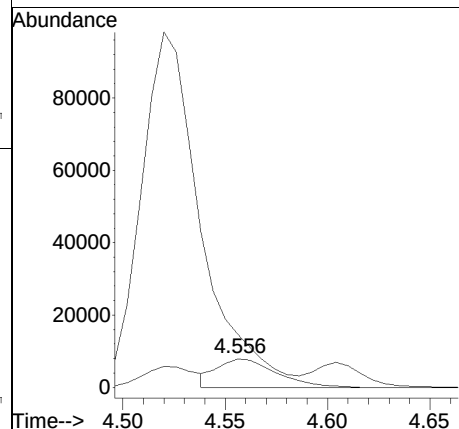
Tgt Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.9	38.9

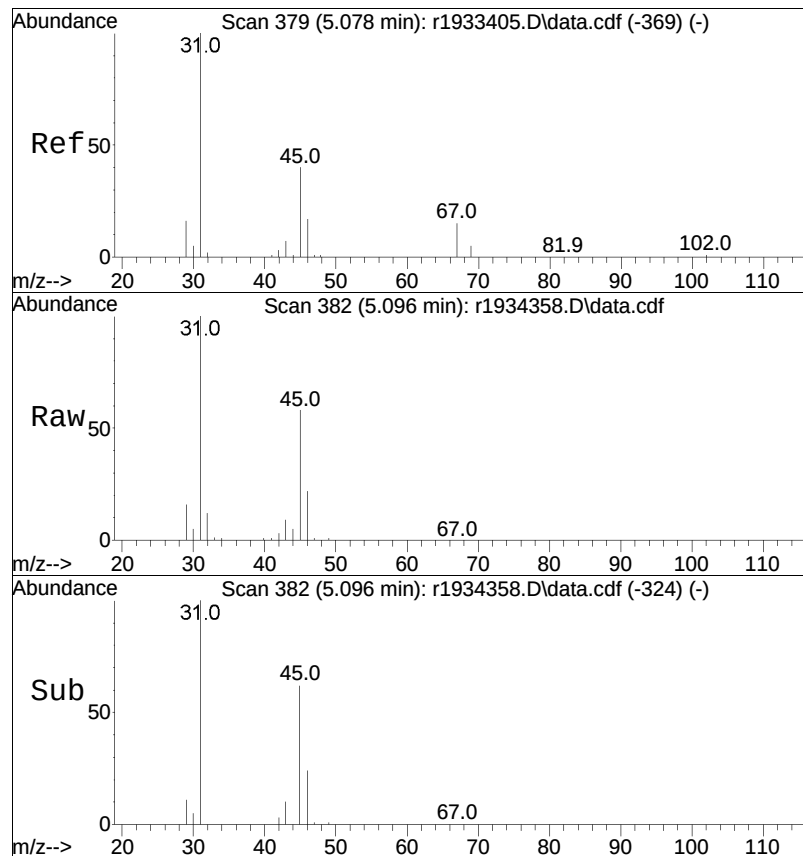




#10
 1,3-butadiene
 Concen: 0.81 ppbV
 RT: 4.556 min Scan# 292
 Delta R.T. 0.012 min
 Lab File: r1934358.D
 Acq: 8 May 2025 1:34 AM

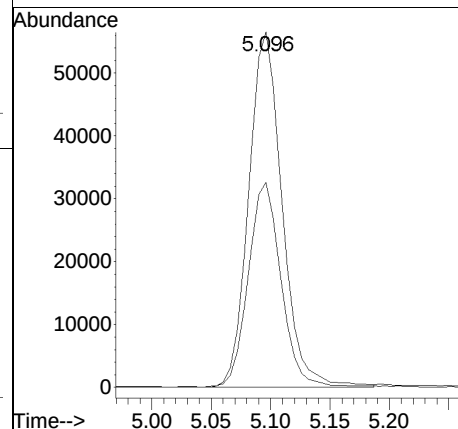
Tgt Ion	Ratio	Lower	Upper
54	100		
39	187.4	84.2	126.4#

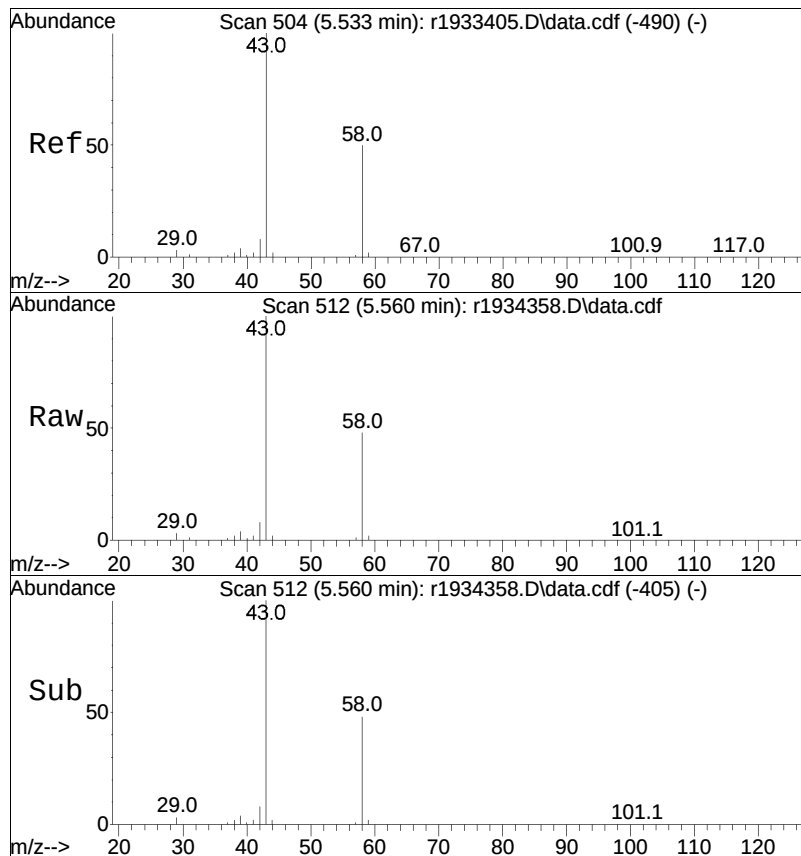




#15
 ethanol
 Concen: 4.80 ppbV
 RT: 5.096 min Scan# 382
 Delta R.T. 0.018 min
 Lab File: r1934358.D
 Acq: 8 May 2025 1:34 AM

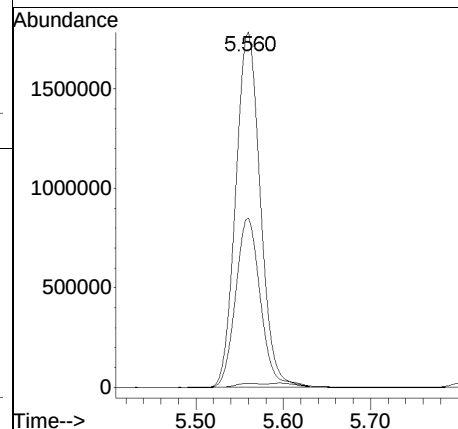
Tgt Ion:	31	Resp:	98693
Ion Ratio	Lower	Upper	
31	100		
45	57.7	31.8	47.8#

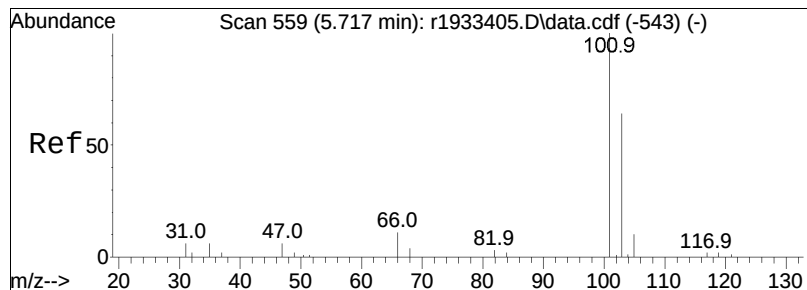




#19
 acetone
 Concen: 97.01 ppbV
 RT: 5.560 min Scan# 512
 Delta R.T. 0.027 min
 Lab File: r1934358.D
 Acq: 8 May 2025 1:34 AM

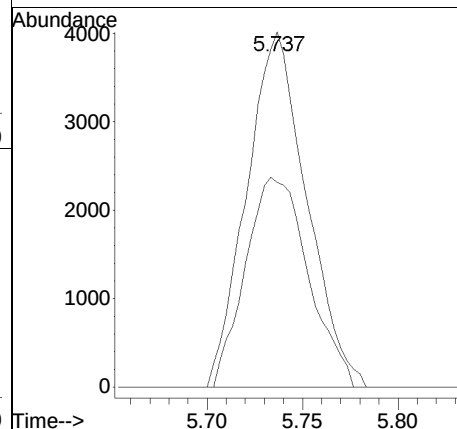
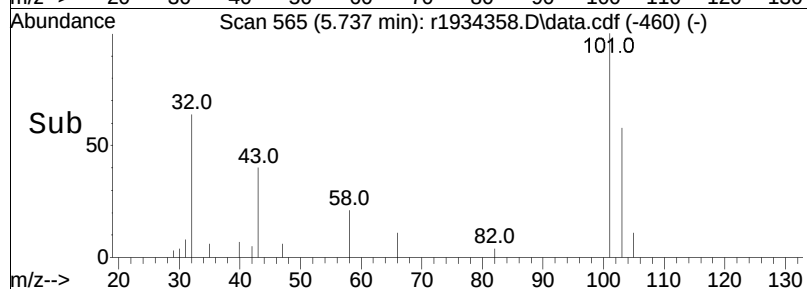
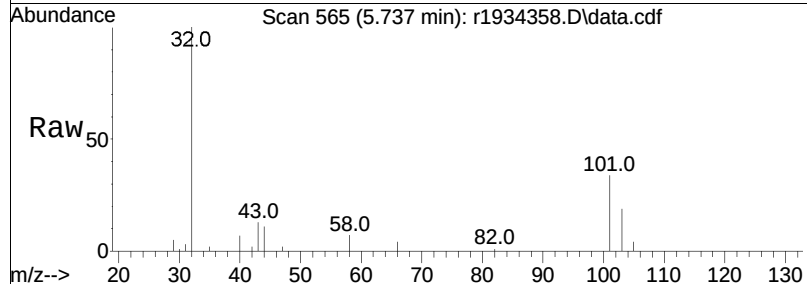
Tgt Ion: 43	Resp: 3503477
Ion Ratio	Lower Upper
43 100	
58 47.7	40.4 60.6
57 1.2	1.0 1.4

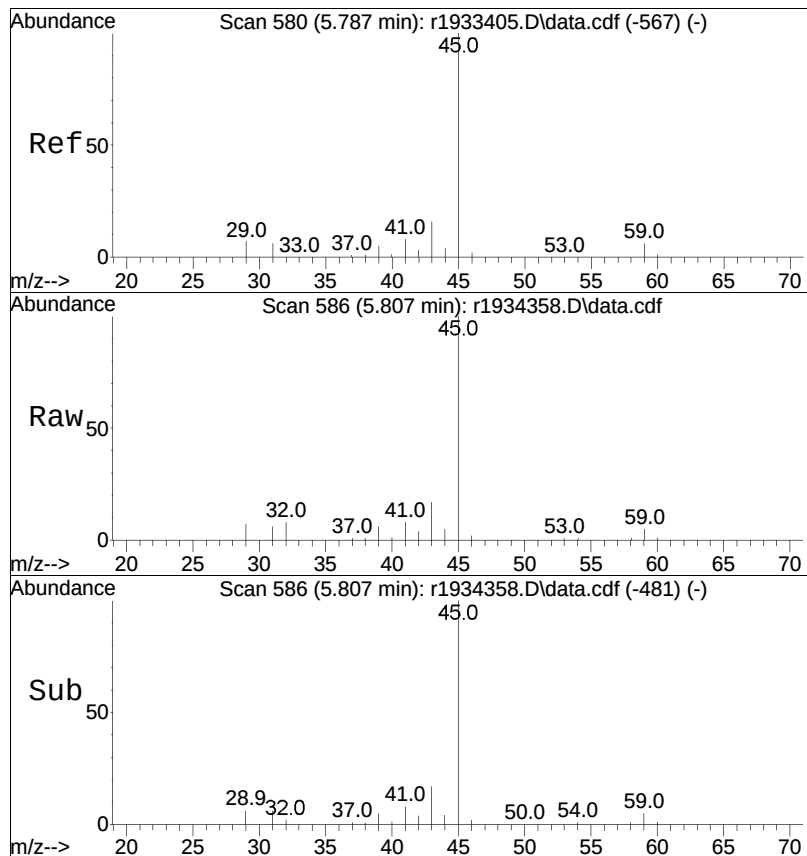




#21
trichlorofluoromethane
Concen: 0.20 ppbV
RT: 5.737 min Scan# 565
Delta R.T. 0.020 min
Lab File: r1934358.D
Acq: 8 May 2025 1:34 AM

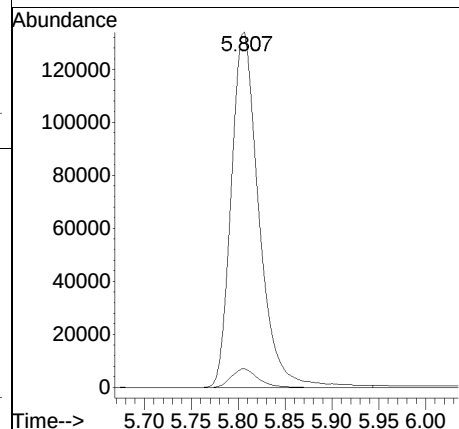
Tgt Ion:101 Resp: 8775
Ion Ratio Lower Upper
101 100
103 57.7 51.0 76.4

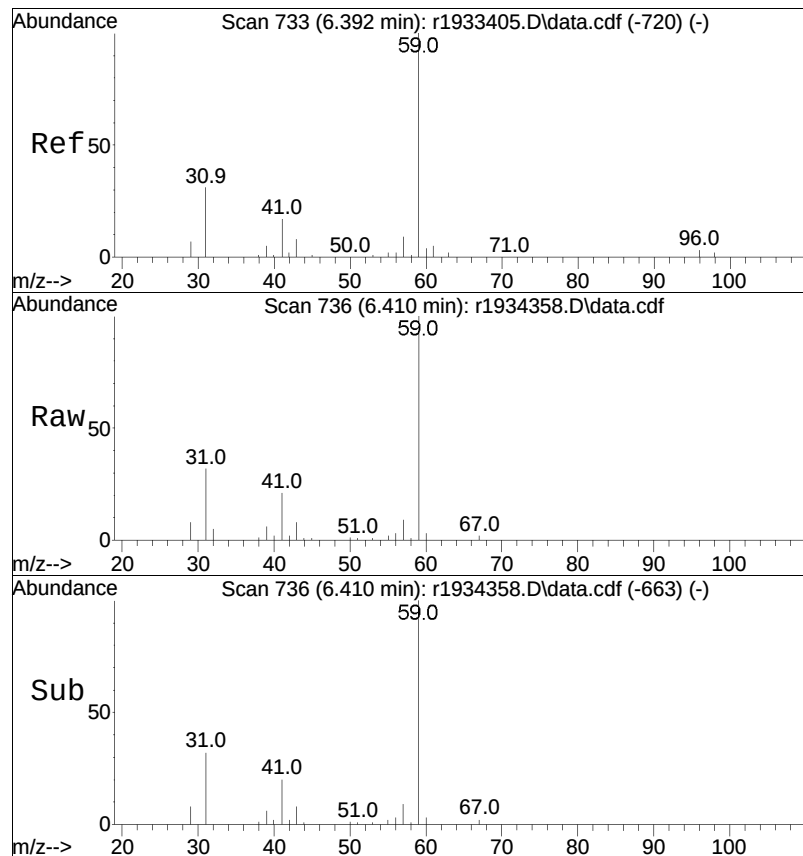




#22
isopropyl alcohol
Concen: 6.62 ppbV
RT: 5.807 min Scan# 586
Delta R.T. 0.020 min
Lab File: r1934358.D
Acq: 8 May 2025 1:34 AM

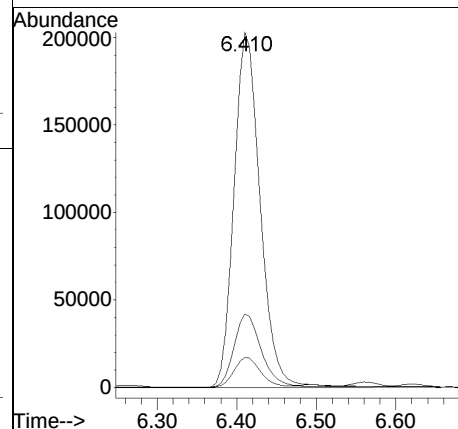
Tgt	Ion	Ratio	Lower	Upper
45	100			
59	5.2	4.4	6.6	

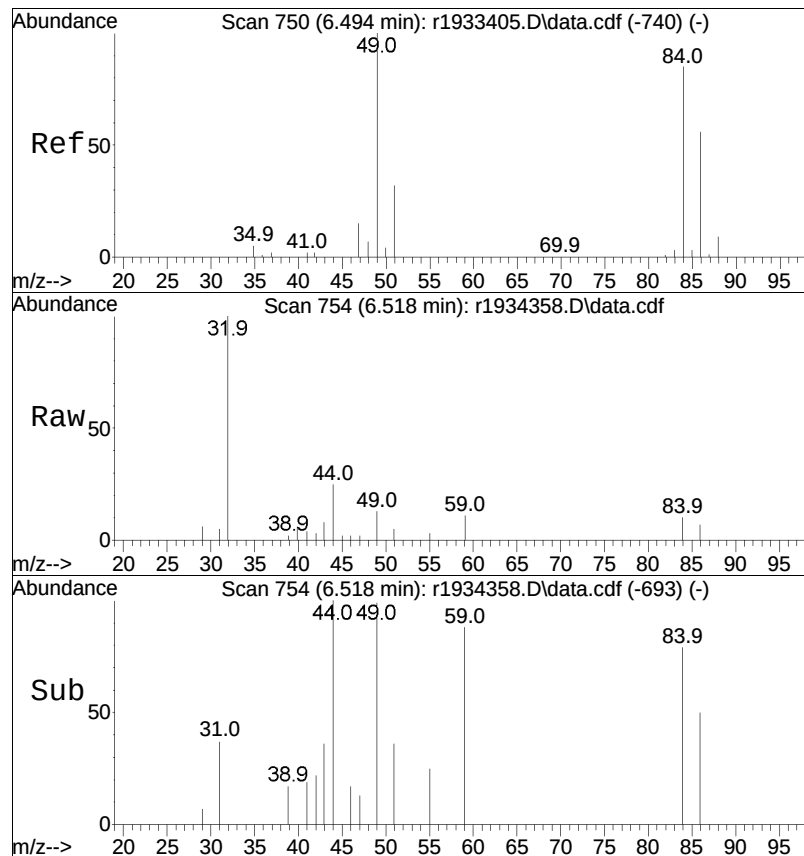




#27
 tertiary butyl alcohol
 Concen: 7.12 ppbV
 RT: 6.410 min Scan# 736
 Delta R.T. 0.018 min
 Lab File: r1934358.D
 Acq: 8 May 2025 1:34 AM

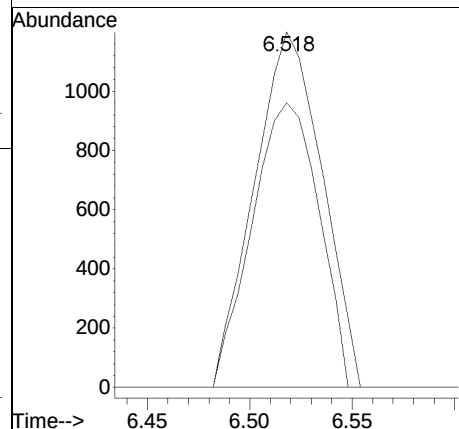
Tgt Ion:	59	Resp:	463967
Ion Ratio	Lower	Upper	
59	100		
41	20.7	14.0	21.0
43	8.5	6.3	9.5

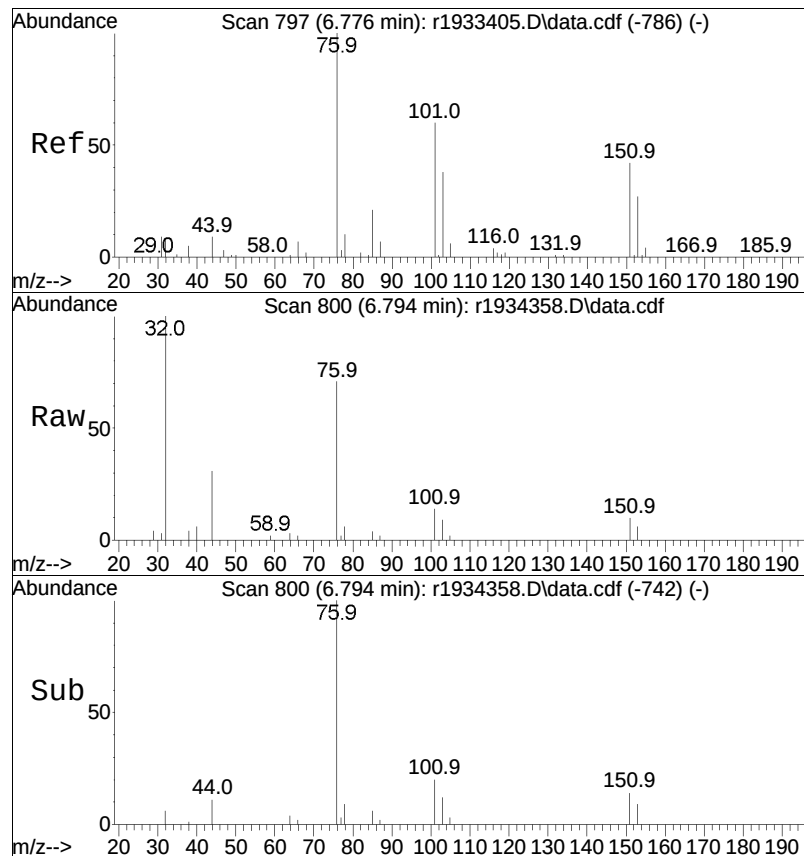




#28
 methylene chloride
 Concen: 0.10 ppbV
 RT: 6.518 min Scan# 754
 Delta R.T. 0.024 min
 Lab File: r1934358.D
 Acq: 8 May 2025 1:34 AM

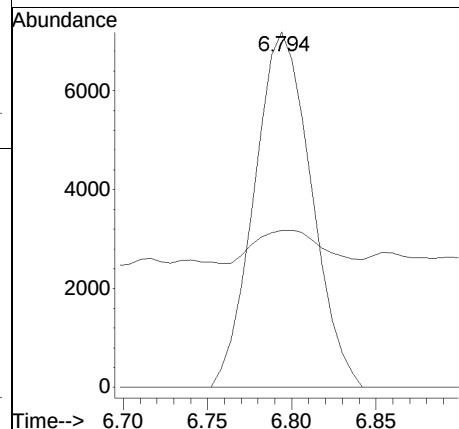
Tgt Ion:	49	84	Ratio	Lower	Upper
Resp:	2778				
Ion Ratio	100	80.1			
		68.4			102.6

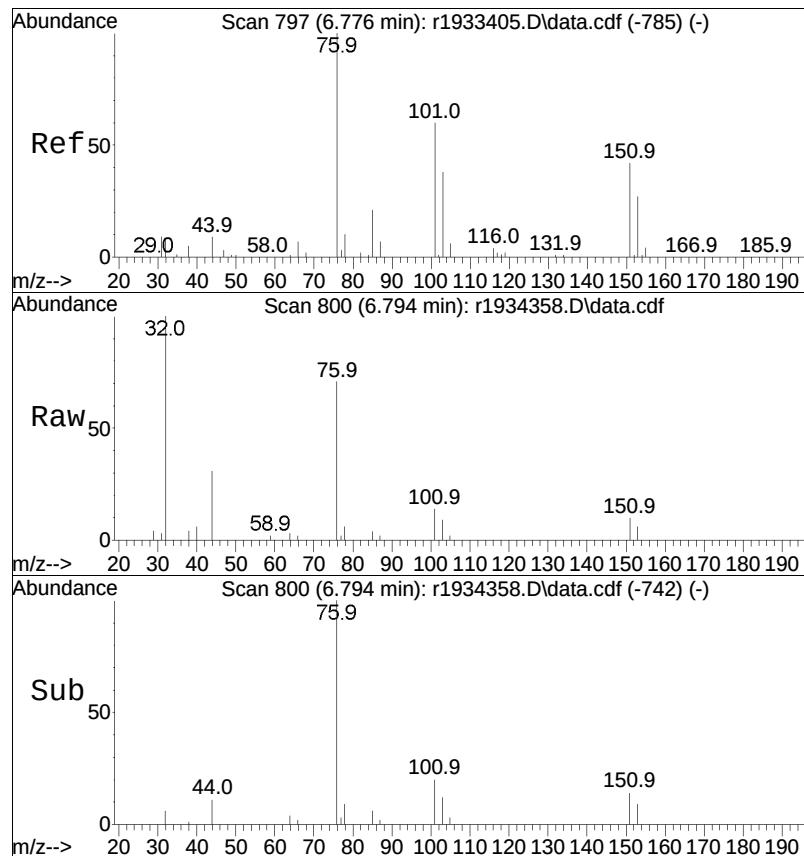




#30
 carbon disulfide
 Concen: 0.22 ppbV
 RT: 6.794 min Scan# 800
 Delta R.T. 0.018 min
 Lab File: r1934358.D
 Acq: 8 May 2025 1:34 AM

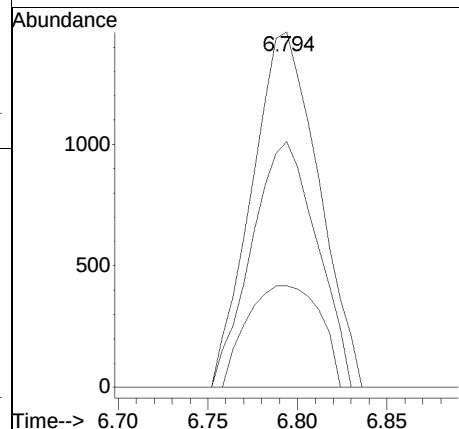
Tgt	Ion	Resp	Lower	Upper
76	100	16893		
44	44.2	7.0	10.6	

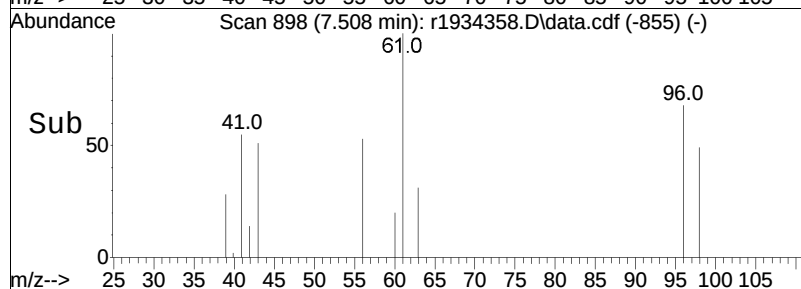
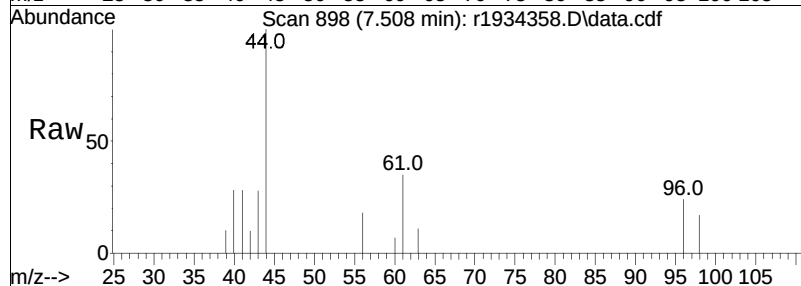
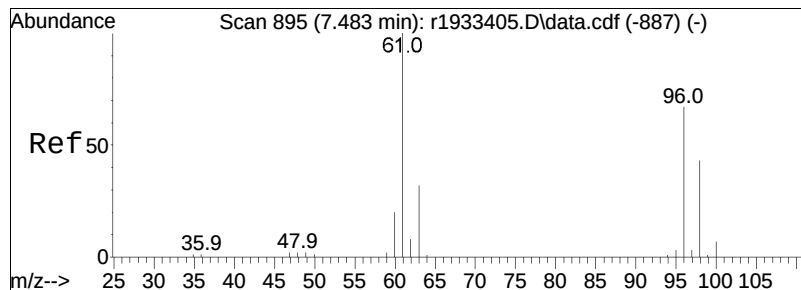




#31
 Freon 113
 Concen: 0.08 ppbV
 RT: 6.794 min Scan# 800
 Delta R.T. 0.018 min
 Lab File: r1934358.D
 Acq: 8 May 2025 1:34 AM

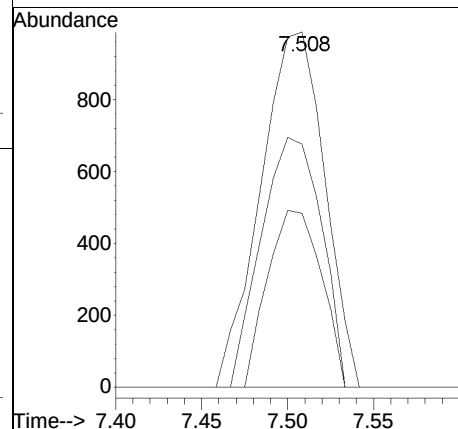
Tgt Ion:	101	Resp:	3795
Ion Ratio	Lower	Upper	
101	100		
85	28.6	27.7	41.5
151	69.2	56.6	85.0

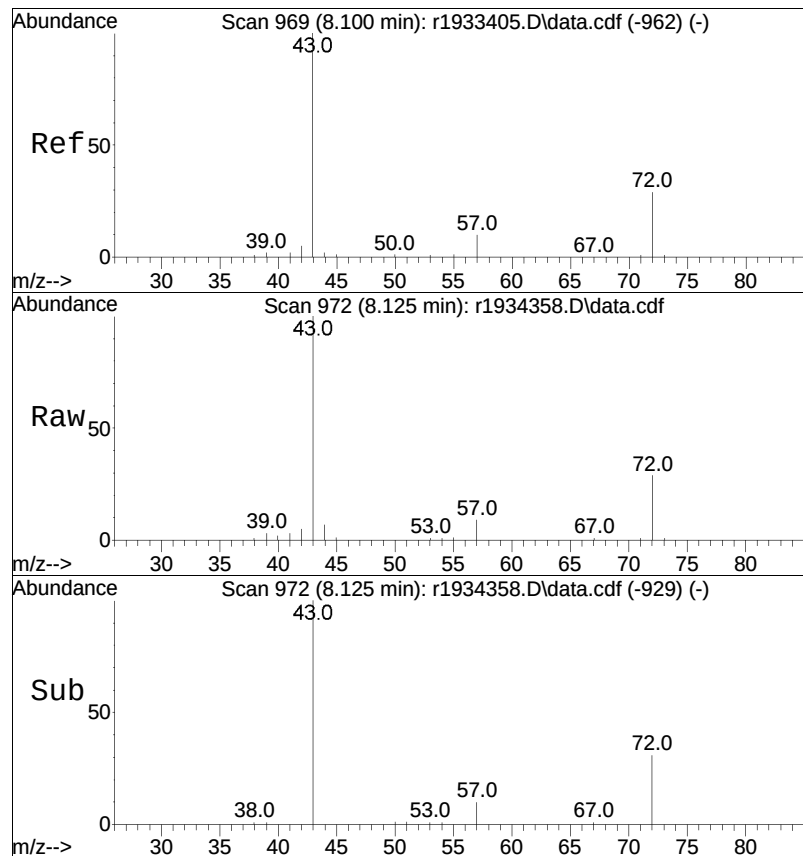




#32
 trans-1,2-dichloroethene
 Concen: 0.06 ppbV
 RT: 7.508 min Scan# 898
 Delta R.T. 0.025 min
 Lab File: r1934358.D
 Acq: 8 May 2025 1:34 AM

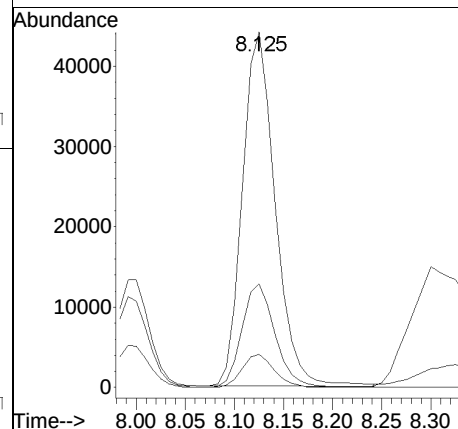
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	2565		
96	68.4		53.8	80.6
98	49.0		34.3	51.5

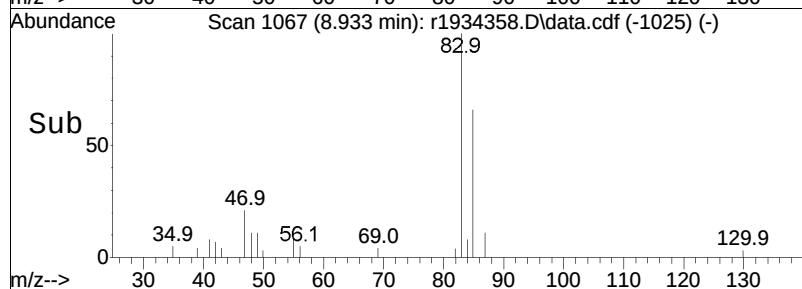
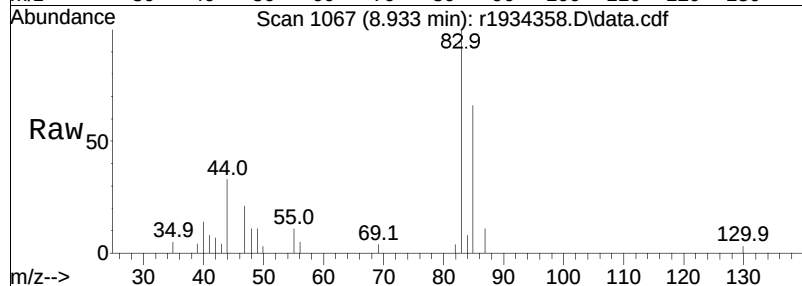
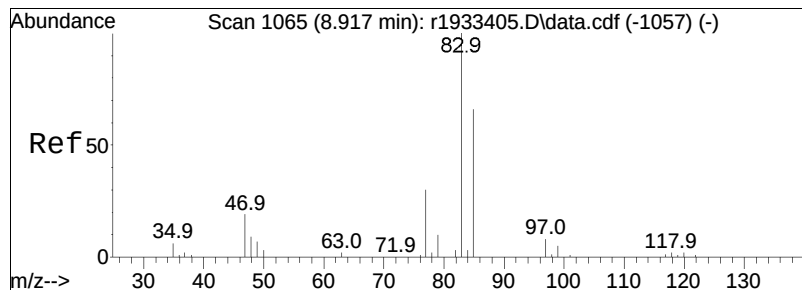




#36
 2-butanone
 Concen: 1.77 ppbV
 RT: 8.125 min Scan# 972
 Delta R.T. 0.025 min
 Lab File: r1934358.D
 Acq: 8 May 2025 1:34 AM

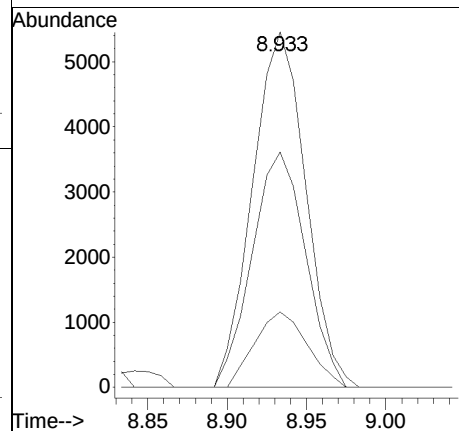
Tgt Ion:	43	Resp:	102233
Ion Ratio	Lower	Upper	
43	100		
72	29.1	23.3	34.9
57	9.3	7.9	11.9

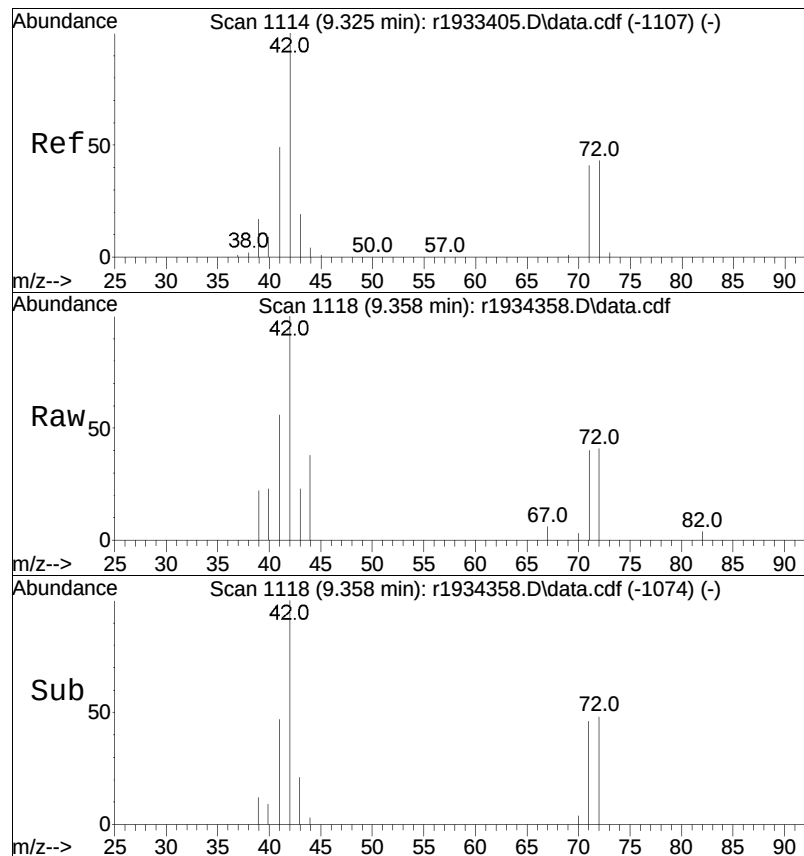




#39
chloroform
Concen: 0.28 ppbV
RT: 8.933 min Scan# 1067
Delta R.T. 0.017 min
Lab File: r1934358.D
Acq: 8 May 2025 1:34 AM

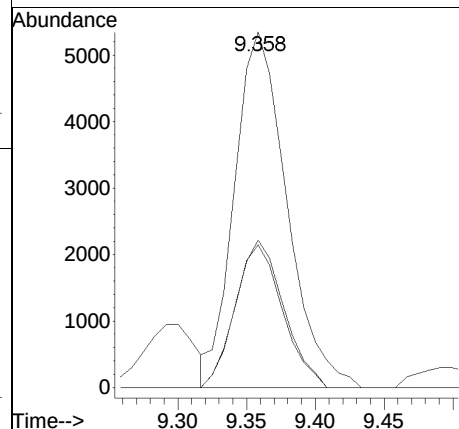
Tgt	Ion	Ratio	Resp	Lower	Upper
83	100		12736		
85	66.2	53.4		80.0	
47	21.2	15.0		22.4	

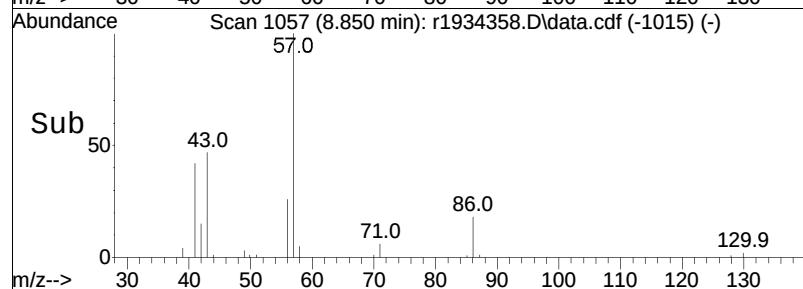
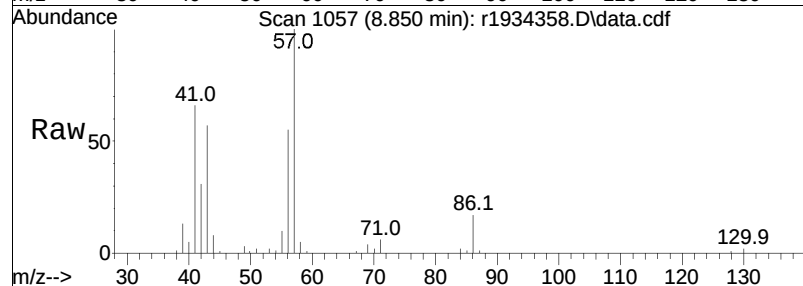
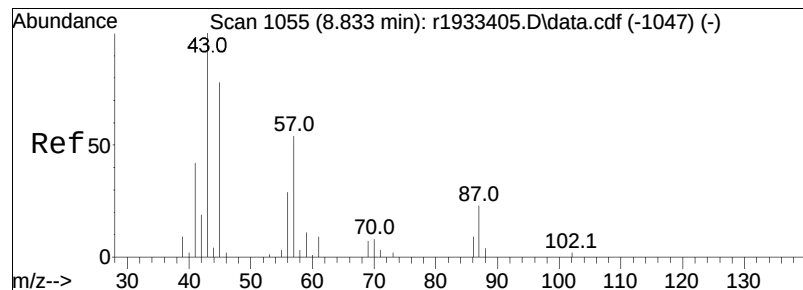




#40
 Tetrahydrofuran
 Concen: 0.43 ppbV
 RT: 9.358 min Scan# 1118
 Delta R.T. 0.033 min
 Lab File: r1934358.D
 Acq: 8 May 2025 1:34 AM

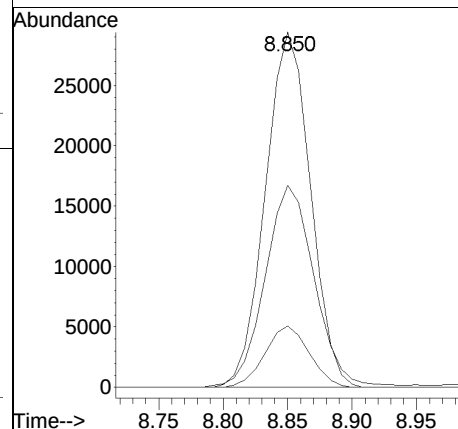
Tgt Ion:	42	Resp:	14145
Ion Ratio	Lower	Upper	
42	100		
71	40.1	32.6	48.8
72	41.4	34.6	52.0

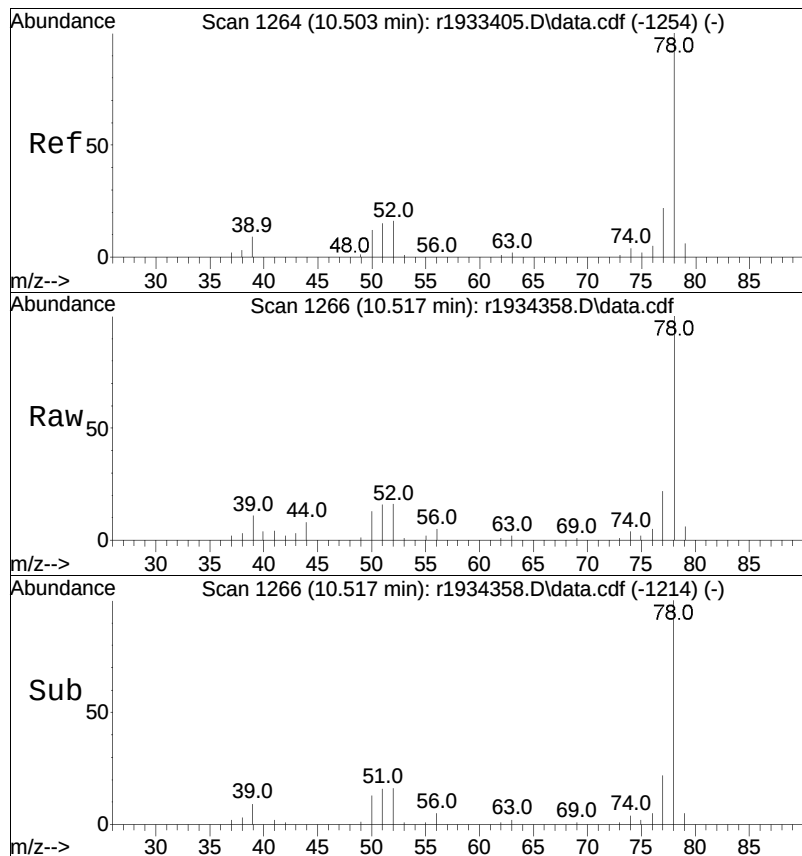




#44
hexane
Concen: 1.19 ppbV
RT: 8.850 min Scan# 1057
Delta R.T. 0.017 min
Lab File: r1934358.D
Acq: 8 May 2025 1:34 AM

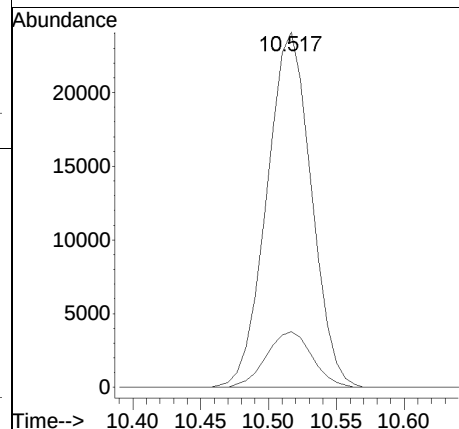
Tgt Ion:	57	Resp:	71498
Ion Ratio	100	Lower	Upper
43	56.9	148.0	222.0#
86	17.3	13.7	20.5

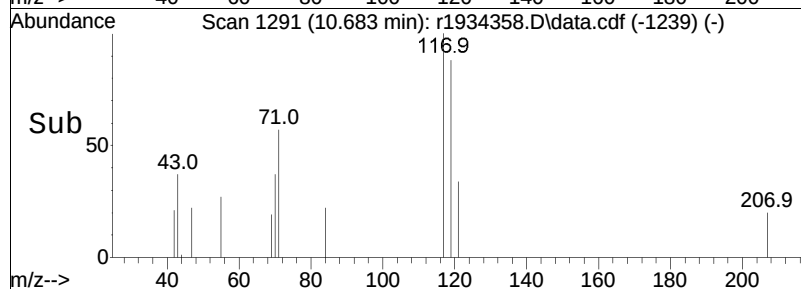
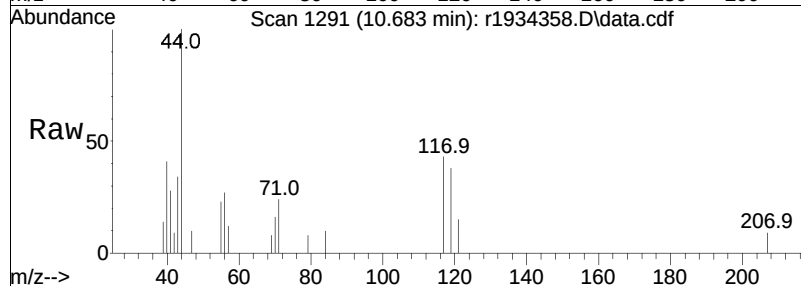
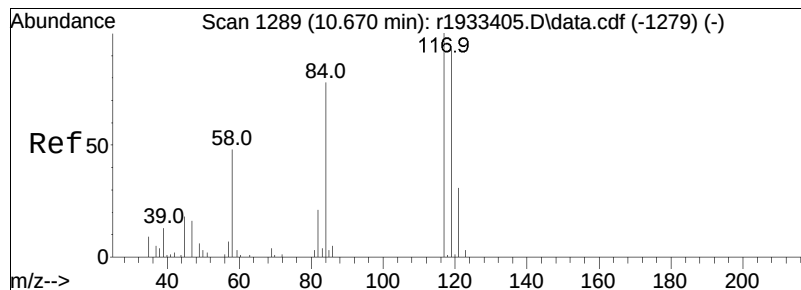




#50
benzene
Concen: 0.64 ppbV
RT: 10.517 min Scan# 1266
Delta R.T. 0.013 min
Lab File: r1934358.D
Acq: 8 May 2025 1:34 AM

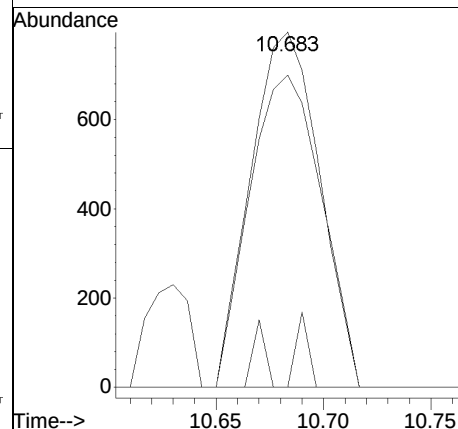
Tgt Ion	Ratio	Lower	Upper
78	100		
52	15.7	13.2	19.8

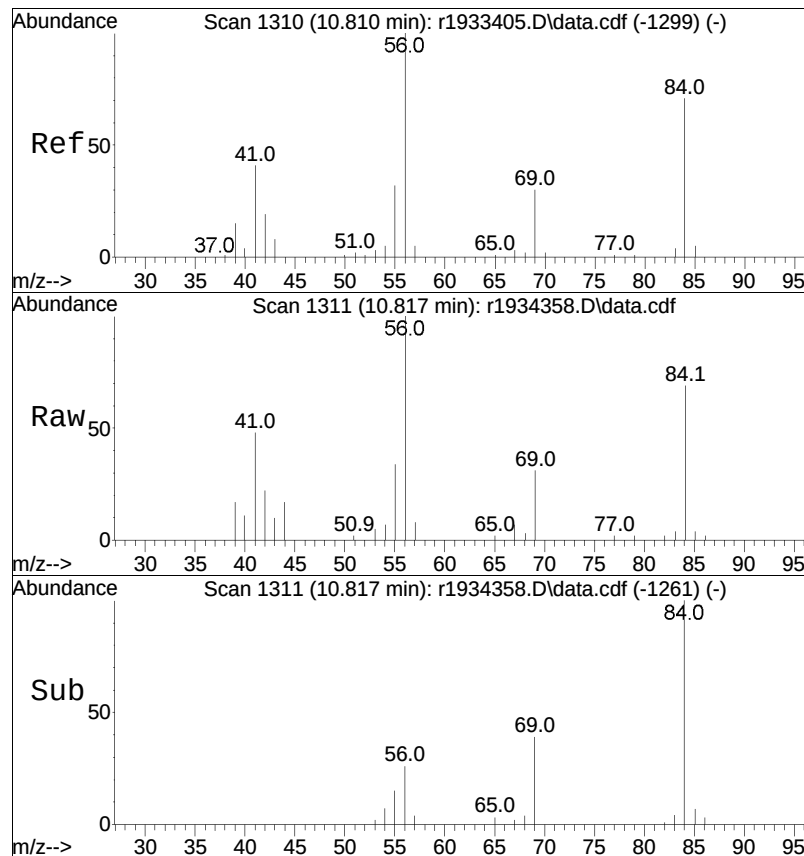




#52
carbon tetrachloride
Concen: 0.06 ppbV
RT: 10.683 min Scan# 1291
Delta R.T. 0.013 min
Lab File: r1934358.D
Acq: 8 May 2025 1:34 AM

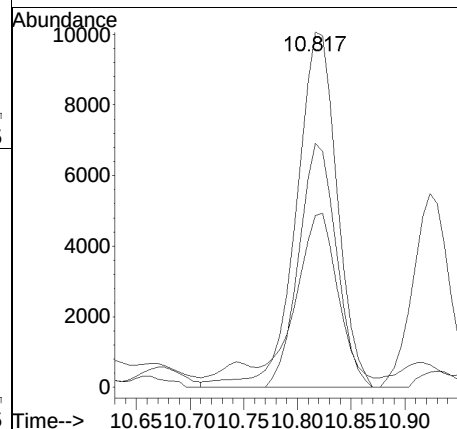
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	1784		
119	87.9		75.6	113.4
82	0.0		16.8	25.2#

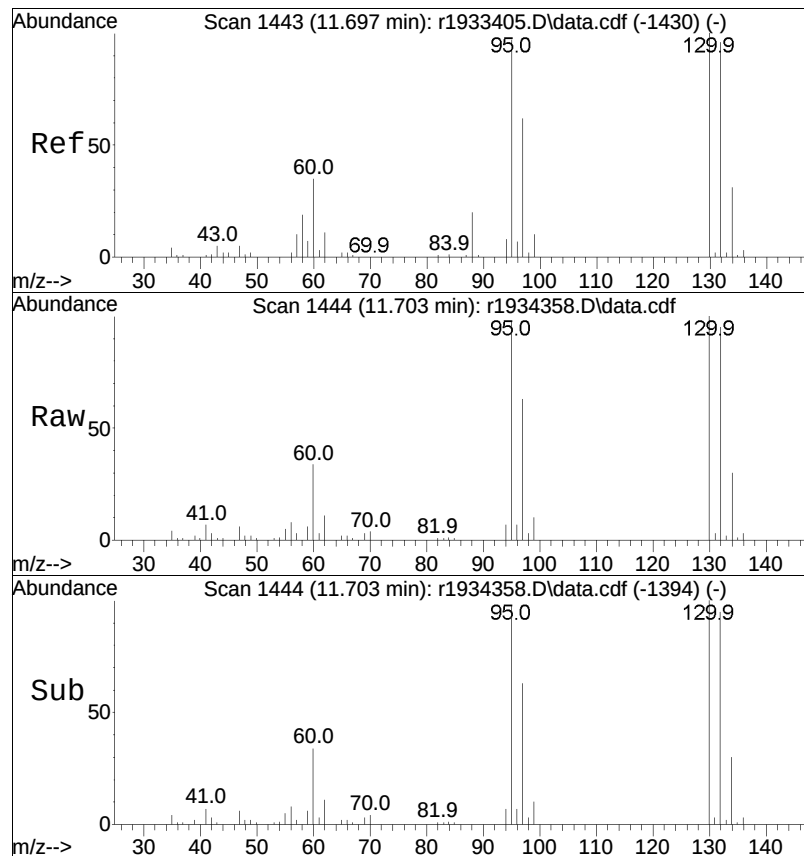




#53
cyclohexane
Concen: 0.46 ppbV
RT: 10.817 min Scan# 1311
Delta R.T. 0.007 min
Lab File: r1934358.D
Acq: 8 May 2025 1:34 AM

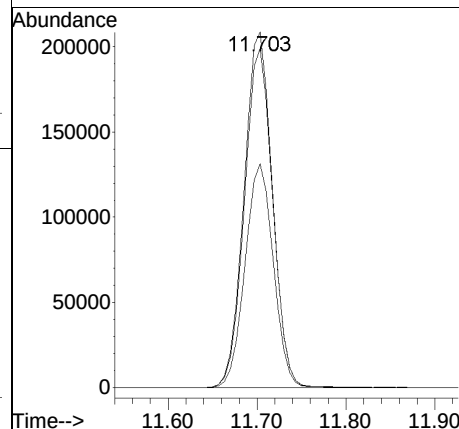
Tgt Ion	Ratio	Lower	Upper
56	100		
84	68.6	56.8	85.2
41	48.4	32.8	49.2

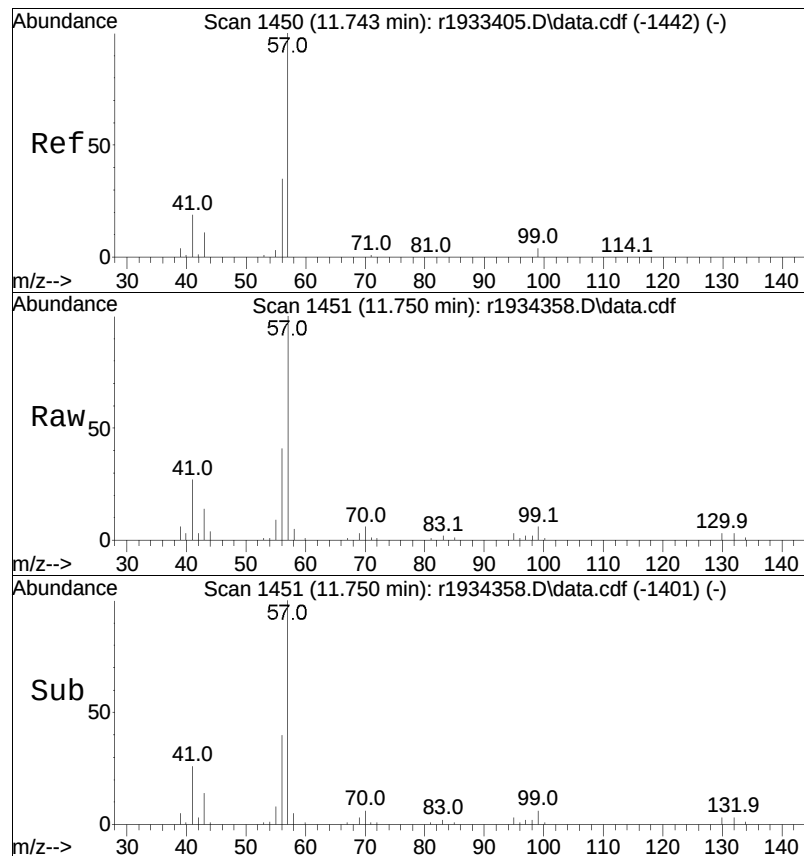




#59
 trichloroethene
 Concen: 12.34 ppbV
 RT: 11.703 min Scan# 1444
 Delta R.T. 0.007 min
 Lab File: r1934358.D
 Acq: 8 May 2025 1:34 AM

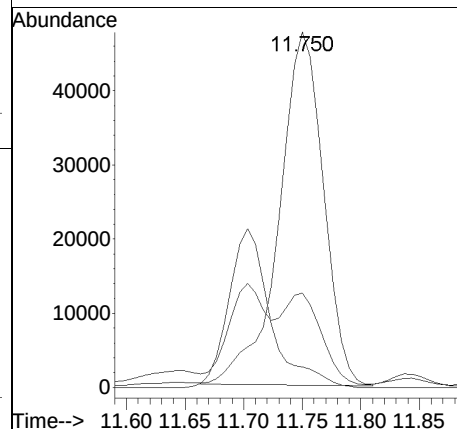
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	462870		
132	95.4		76.6	114.8
97	62.9		49.3	73.9

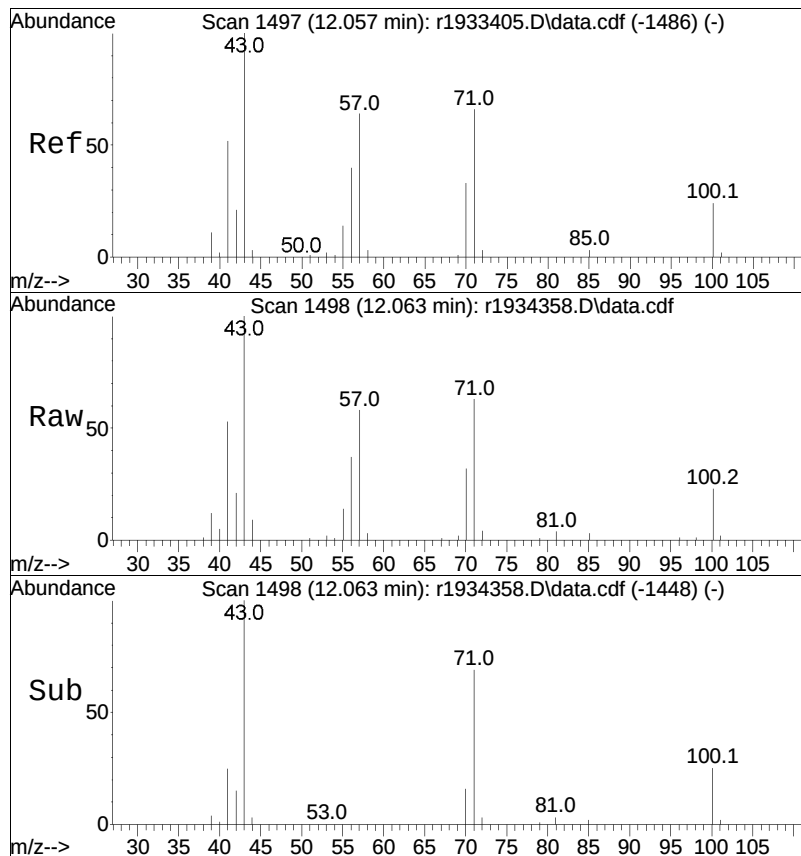




#60
 2,2,4-trimethylpentane
 Concen: 0.74 ppbV
 RT: 11.750 min Scan# 1451
 Delta R.T. 0.007 min
 Lab File: r1934358.D
 Acq: 8 May 2025 1:34 AM

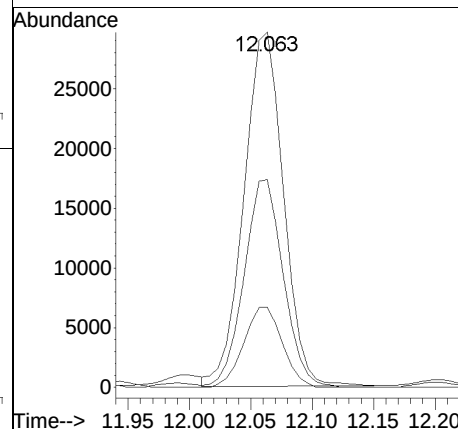
Tgt	Ion: 57	Resp:	125449
Ion	Ratio	Lower	Upper
57	100		
99	5.8	4.7	7.1
41	26.6	15.1	22.7#

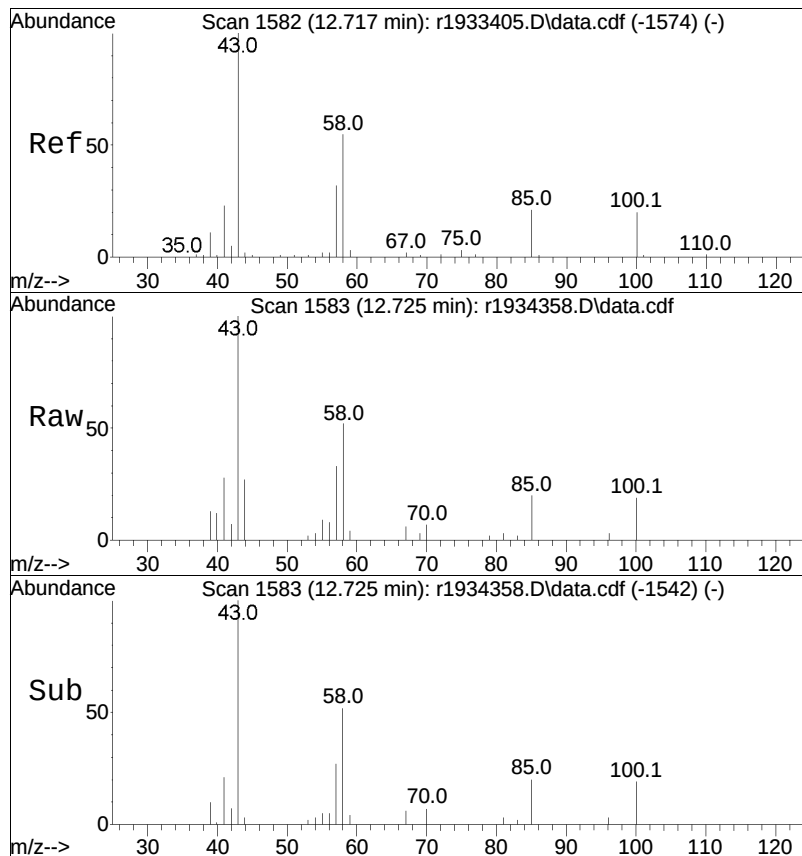




#62
 heptane
 Concen: 1.24 ppbV
 RT: 12.063 min Scan# 1498
 Delta R.T. 0.007 min
 Lab File: r1934358.D
 Acq: 8 May 2025 1:34 AM

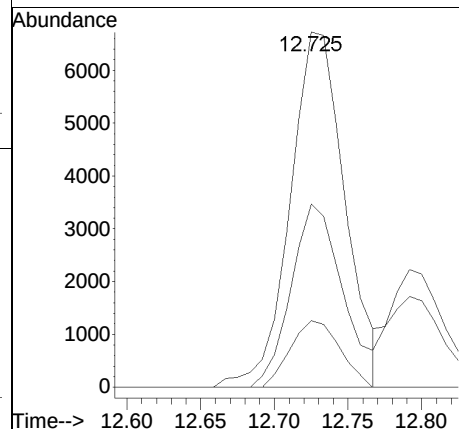
Tgt	Ion: 43	Resp:	66521
Ion	Ratio	Lower	Upper
43	100		
57	58.5	51.3	76.9
100	22.5	19.3	28.9

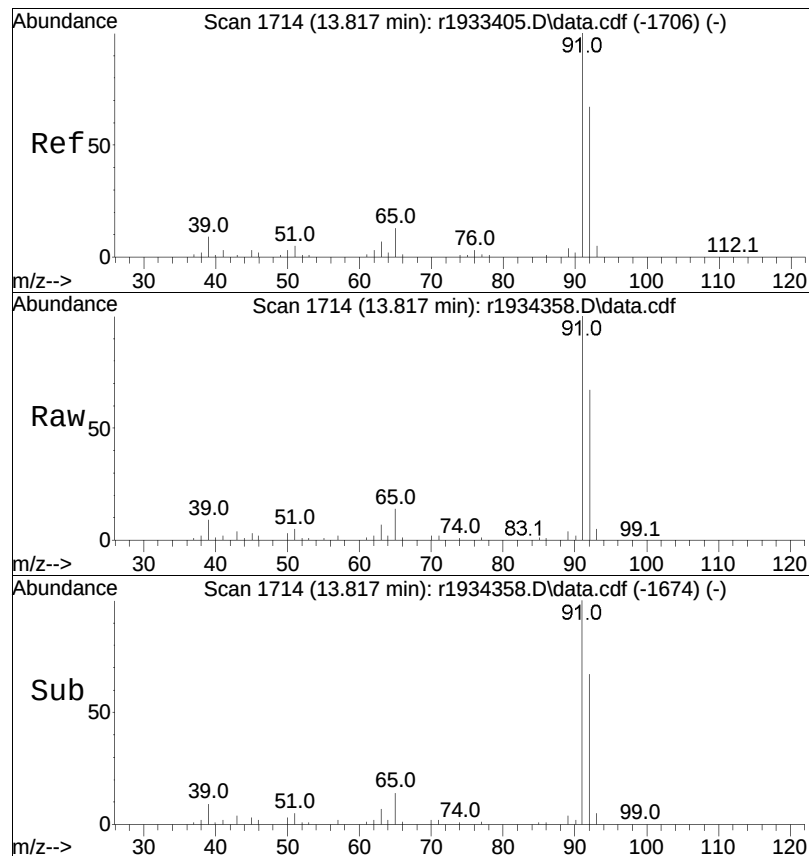




#64
 4-methyl-2-pentanone
 Concen: 0.28 ppbV
 RT: 12.725 min Scan# 1583
 Delta R.T. 0.008 min
 Lab File: r1934358.D
 Acq: 8 May 2025 1:34 AM

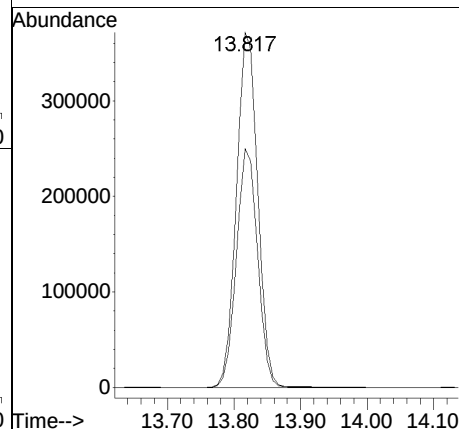
Tgt	Ion: 43	Resp:	17385
Ion	Ratio	Lower	Upper
43	100		
58	51.5	44.1	66.1
100	18.8	16.3	24.5

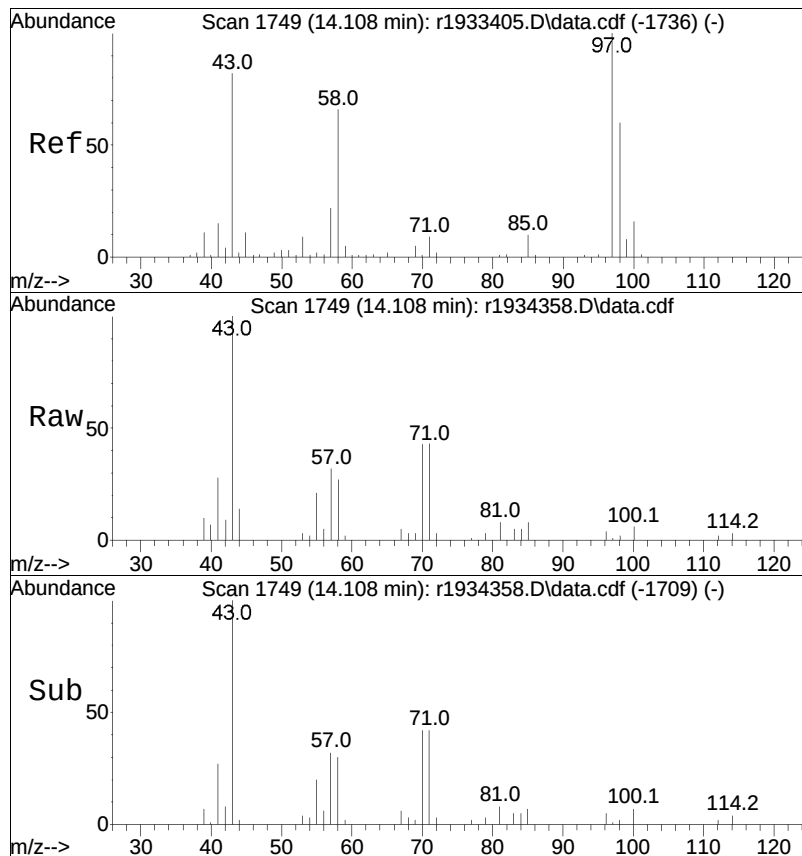




#68
toluene
Concen: 7.72 ppbV
RT: 13.817 min Scan# 1714
Delta R.T. 0.000 min
Lab File: r1934358.D
Acq: 8 May 2025 1:34 AM

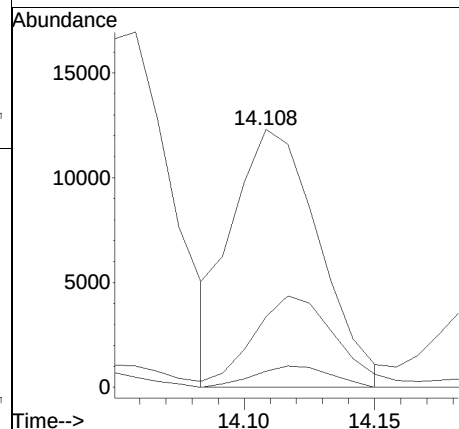
Tgt	Ion	Resp	Lower	Upper
91	100	826428		
92	67.2	53.5	80.3	

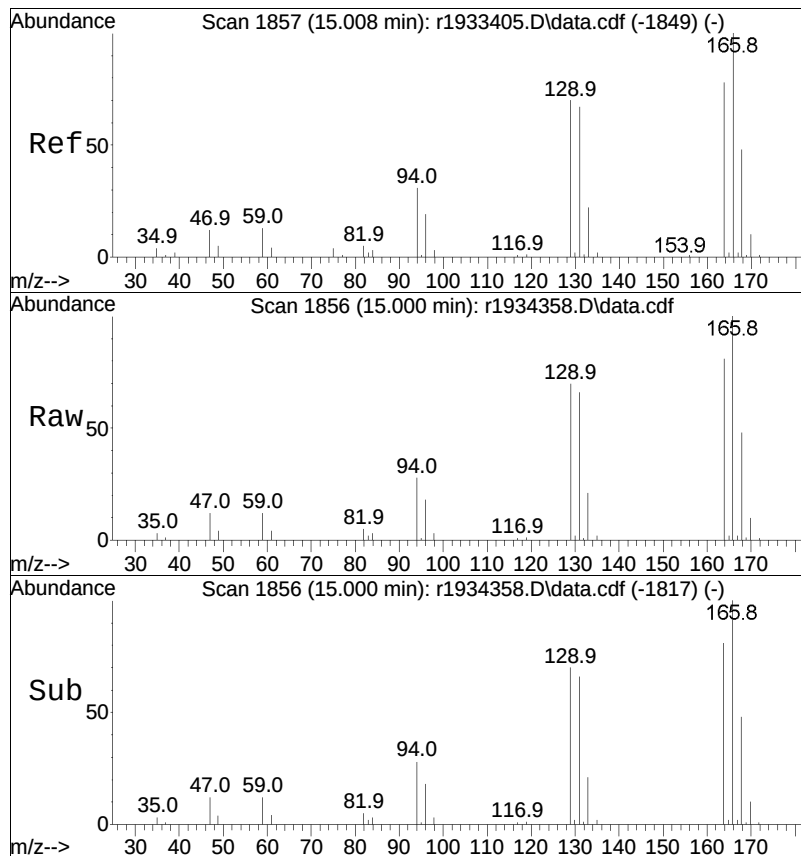




#72
 2-hexanone
 Concen: 0.50 ppbV m
 RT: 14.108 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: r1934358.D
 Acq: 8 May 2025 1:34 AM

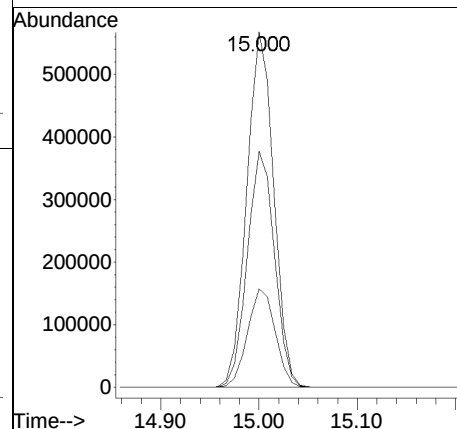
Tgt Ion:	43	58	100	Ratio	Lower	Upper	Resp:
43	100						28493
58	27.4				65.2	97.8#	
100	6.3				15.7	23.5#	

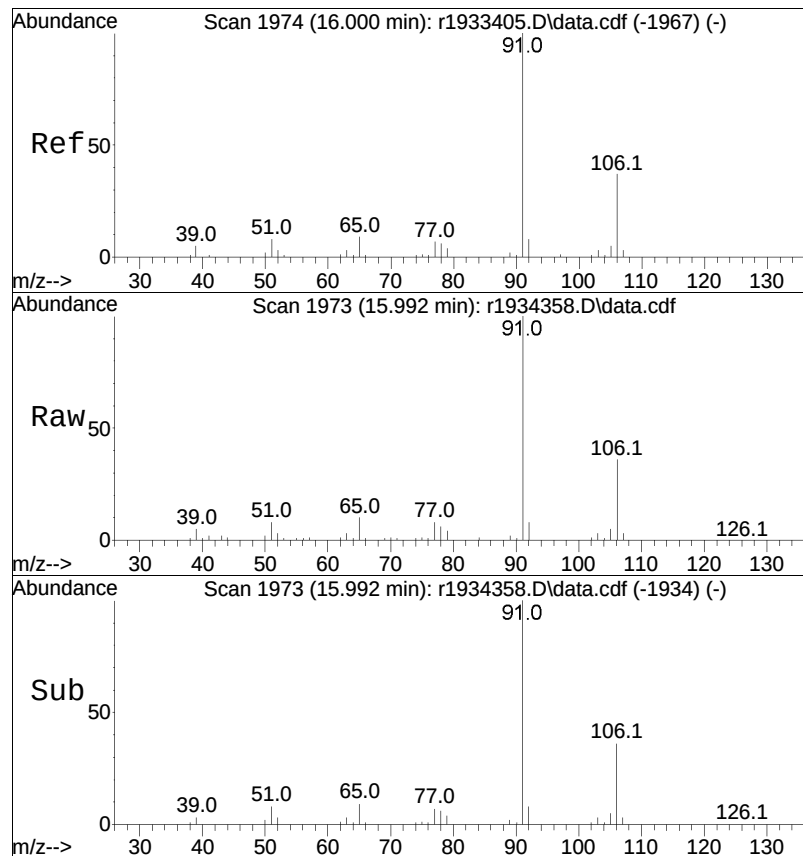




#78
 tetrachloroethene
 Concen: 23.59 ppbV
 RT: 15.000 min Scan# 1856
 Delta R.T. -0.008 min
 Lab File: r1934358.D
 Acq: 8 May 2025 1:34 AM

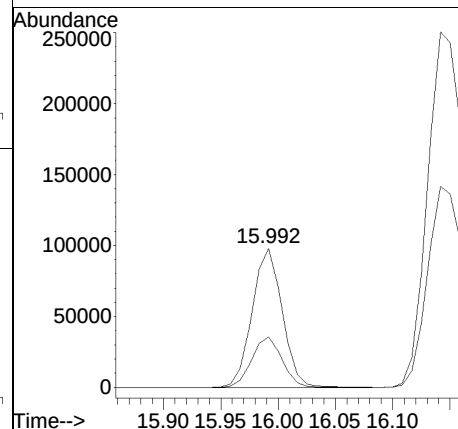
Tgt	Ion:166	Resp:	1084913
Ion	Ratio	Lower	Upper
166	100		
131	66.4	53.6	80.4
94	27.7	24.4	36.6

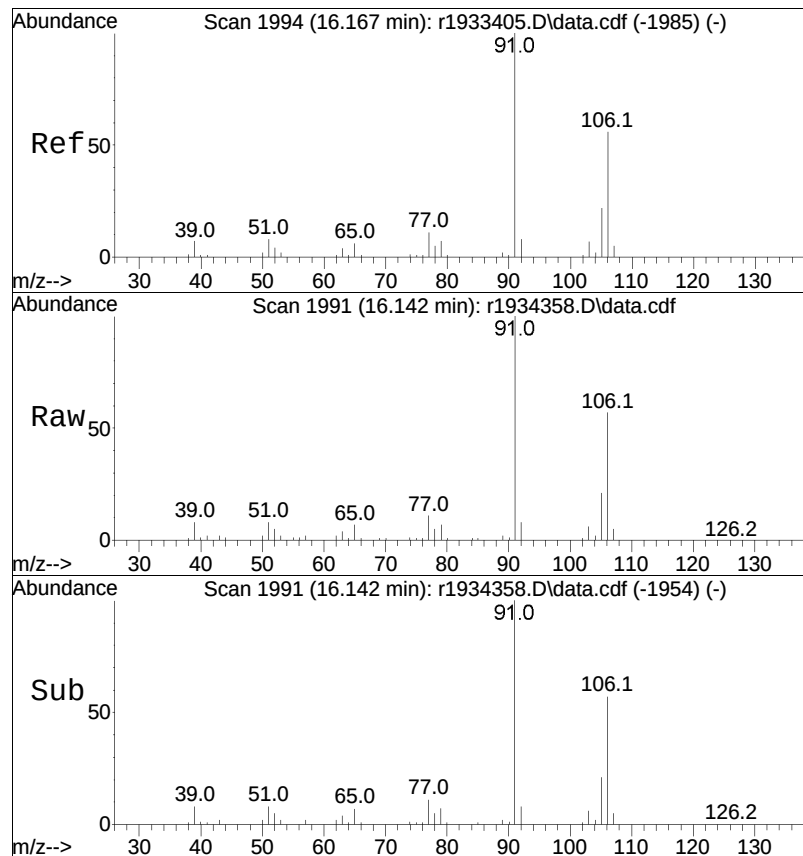




#81
ethylbenzene
Concen: 1.31 ppbV
RT: 15.992 min Scan# 1973
Delta R.T. -0.008 min
Lab File: r1934358.D
Acq: 8 May 2025 1:34 AM

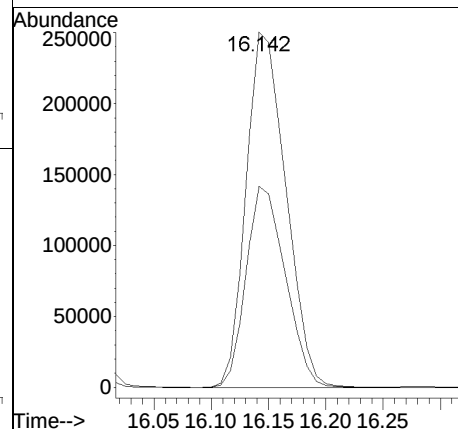
Tgt Ion	Ratio	Lower	Upper
91	100		
106	36.3	29.3	43.9

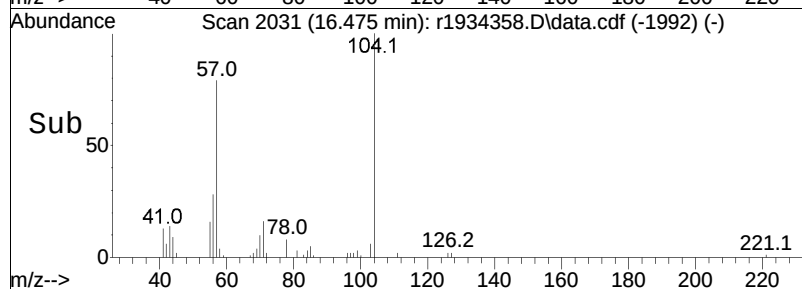
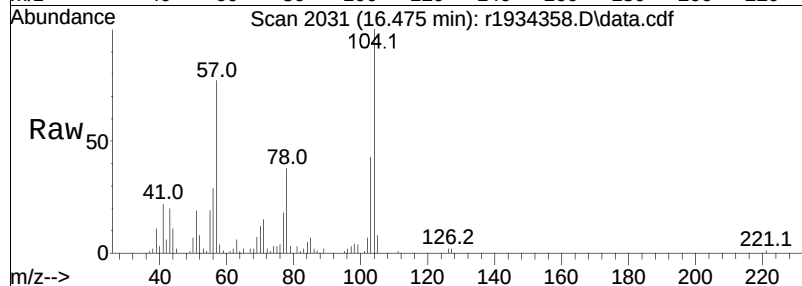
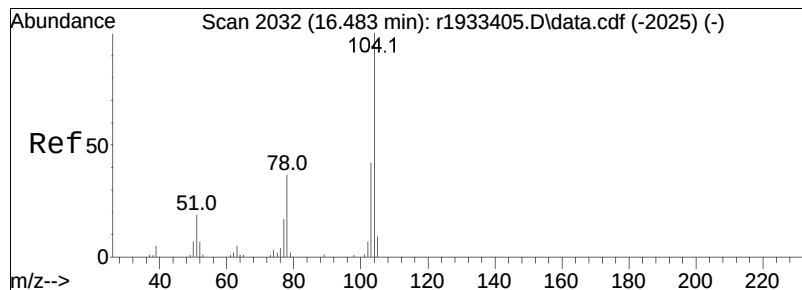




#83
 m+p-xylene
 Concen: 5.57 ppbV
 RT: 16.142 min Scan# 1991
 Delta R.T. -0.025 min
 Lab File: r1934358.D
 Acq: 8 May 2025 1:34 AM

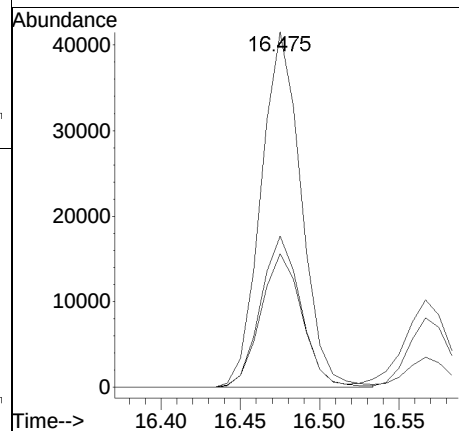
Tgt Ion	Ratio	Lower	Upper
91	100		
106	56.6	44.6	67.0

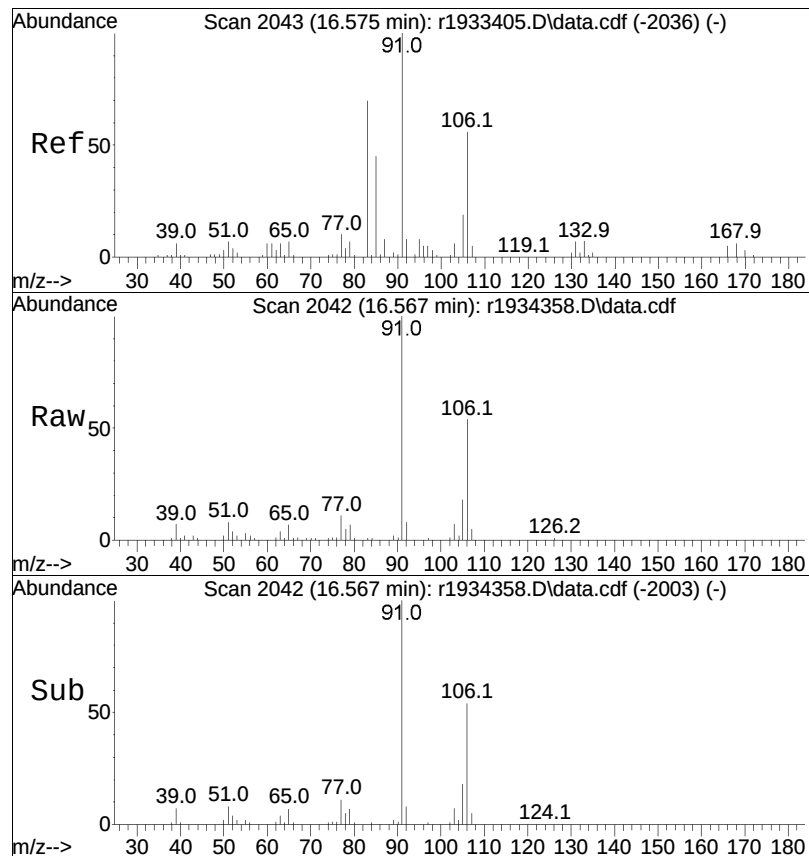




#85
styrene
Concen: 0.81 ppbV
RT: 16.475 min Scan# 2031
Delta R.T. -0.008 min
Lab File: r1934358.D
Acq: 8 May 2025 1:34 AM

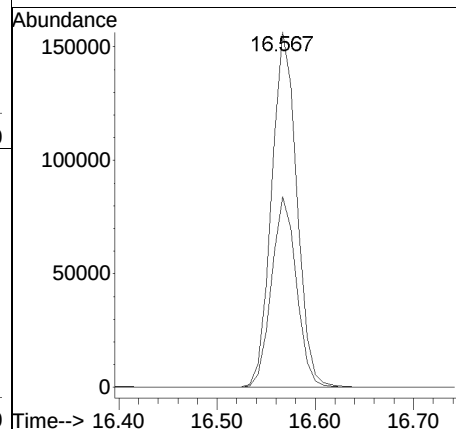
Tgt Ion	Ratio	Lower	Upper
104	100		
103	42.6	33.8	50.6
78	37.6	29.9	44.9

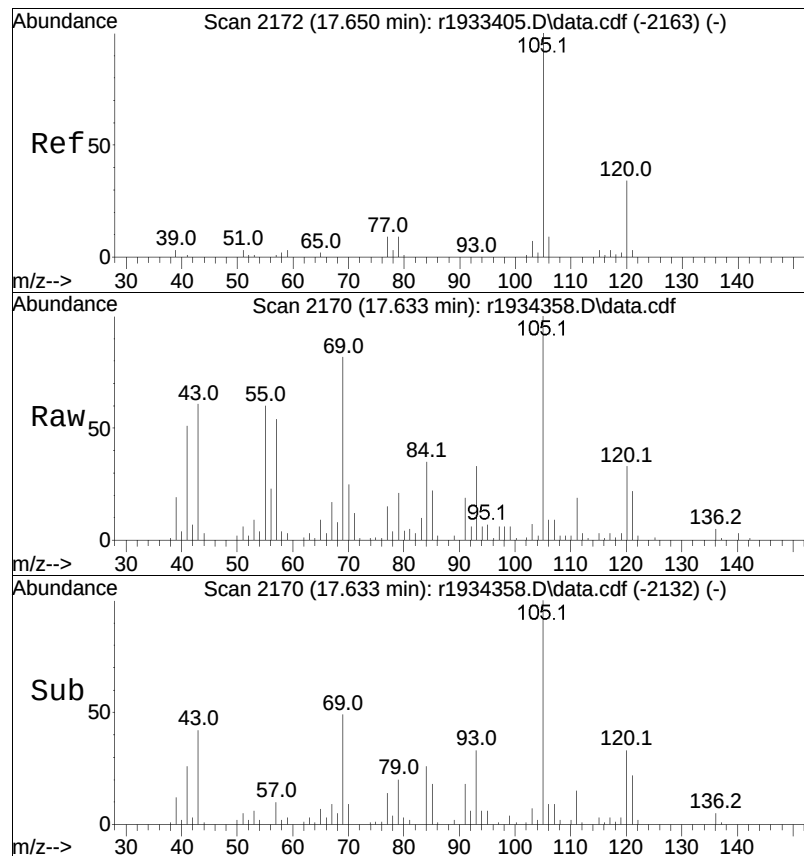




#87
 o-xylene
 Concen: 2.63 ppbV
 RT: 16.567 min Scan# 2042
 Delta R.T. -0.008 min
 Lab File: r1934358.D
 Acq: 8 May 2025 1:34 AM

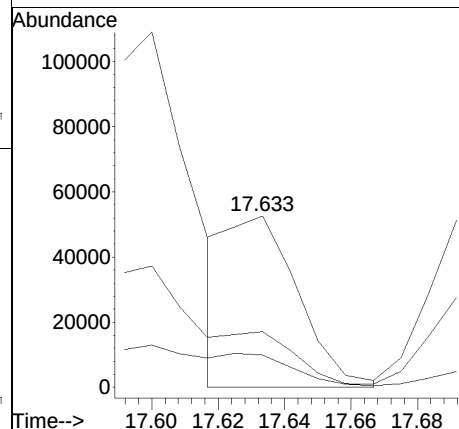
Tgt Ion:	91	106	Ratio	100	Resp:	279304
Ion	91	106	53.6	44.5	Lower	Upper

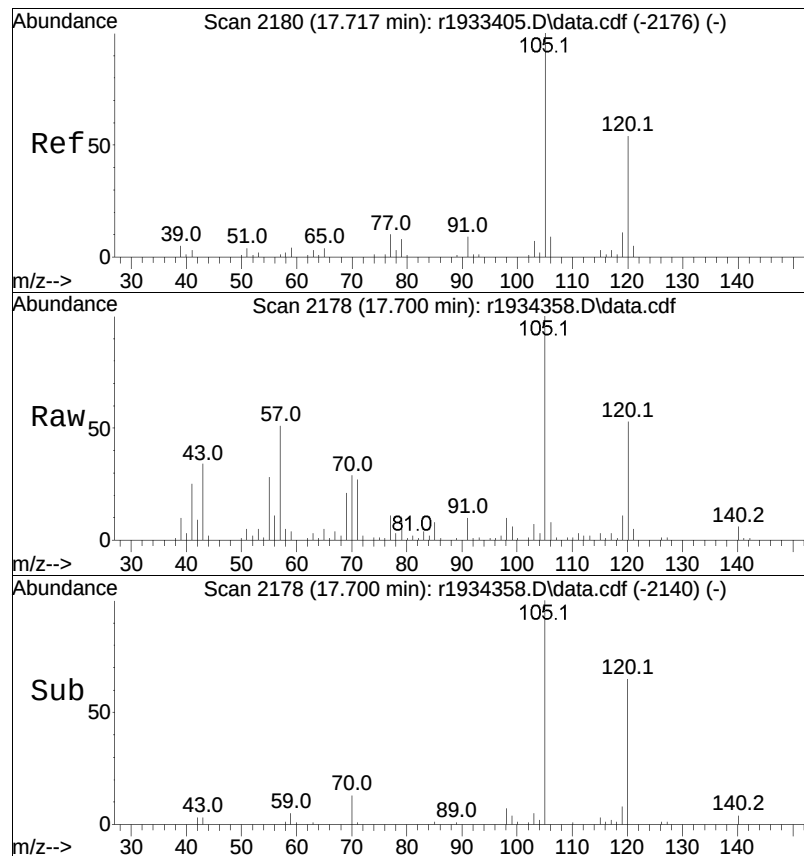




#96
 4-ethyl toluene
 Concen: 0.56 ppbV m
 RT: 17.633 min Scan# 2170
 Delta R.T. -0.017 min
 Lab File: r1934358.D
 Acq: 8 May 2025 1:34 AM

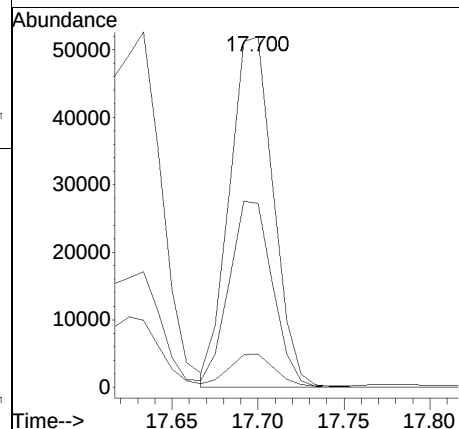
Tgt Ion:	105	Resp:	78822
Ion Ratio	Lower	Upper	
105	100		
120	32.5	27.0	40.6
91	18.9	7.8	11.8#

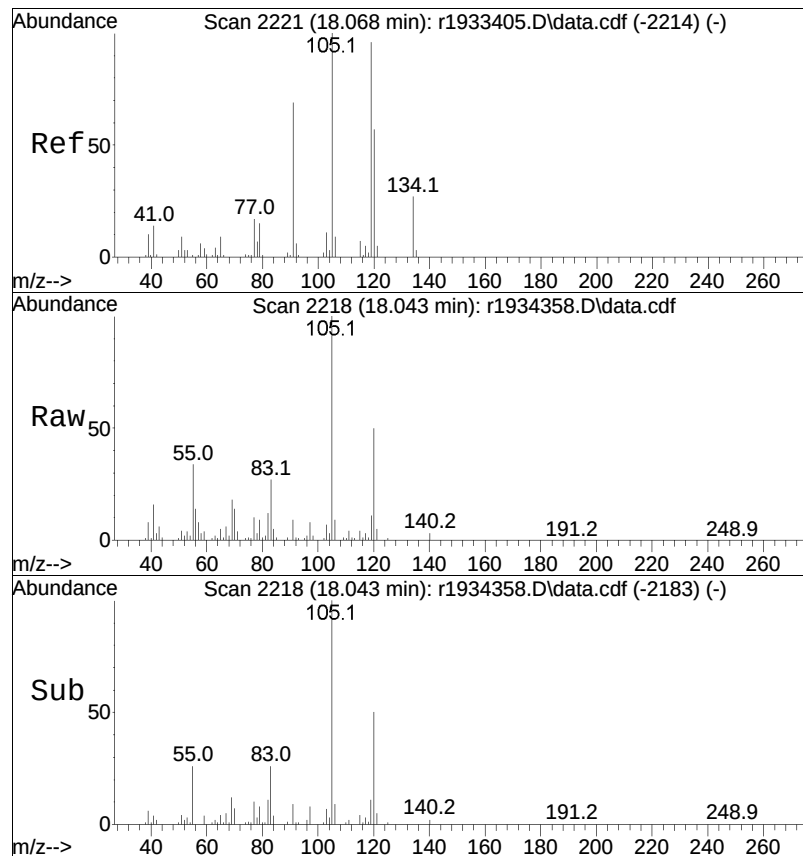




#97
 1,3,5-trimethylbenzene
 Concen: 0.76 ppbV
 RT: 17.700 min Scan# 2178
 Delta R.T. -0.017 min
 Lab File: r1934358.D
 Acq: 8 May 2025 1:34 AM

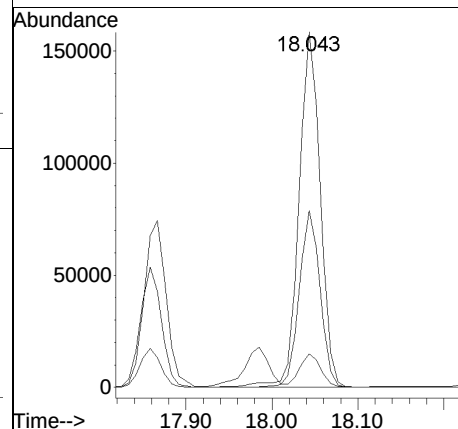
Tgt Ion:	105	Resp:	92002
Ion Ratio	Lower	Upper	
105	100		
120	52.5	42.5	63.7
91	9.5	7.4	11.2

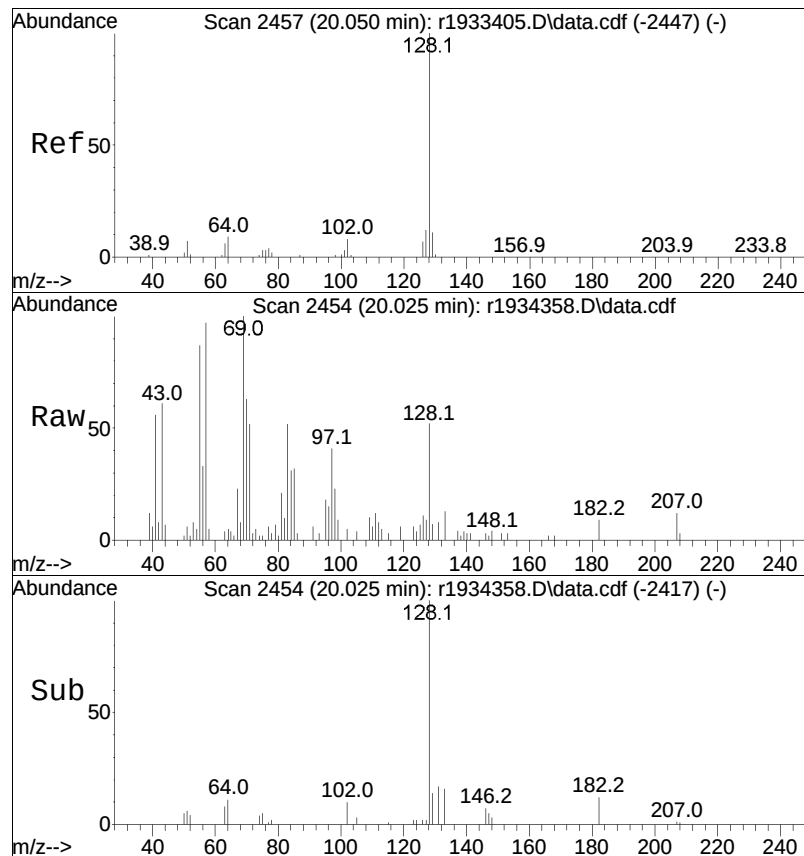




#99
 1,2,4-trimethylbenzene
 Concen: 2.23 ppbV
 RT: 18.043 min Scan# 2218
 Delta R.T. -0.025 min
 Lab File: r1934358.D
 Acq: 8 May 2025 1:34 AM

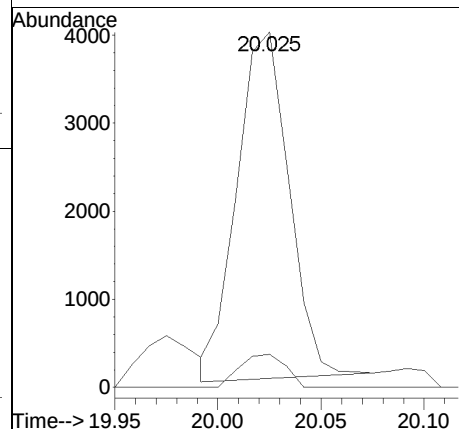
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	272700		
120	49.7		45.8	68.6
91	9.4		55.0	82.6#





#116
 naphthalene
 Concen: 0.06 ppbV
 RT: 20.025 min Scan# 2454
 Delta R.T. -0.025 min
 Lab File: r1934358.D
 Acq: 8 May 2025 1:34 AM

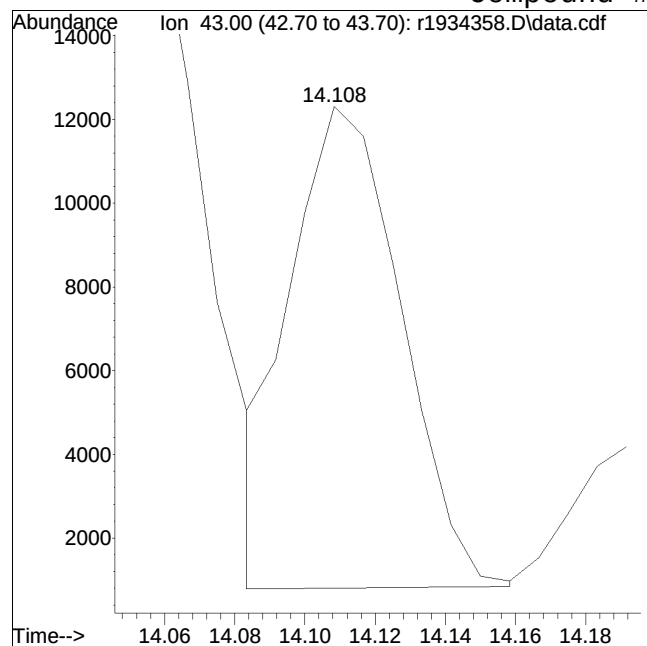
Tgt Ion	Ratio	Lower	Upper
128	100		
102	9.3	6.2	9.2#



Manual Integration Report

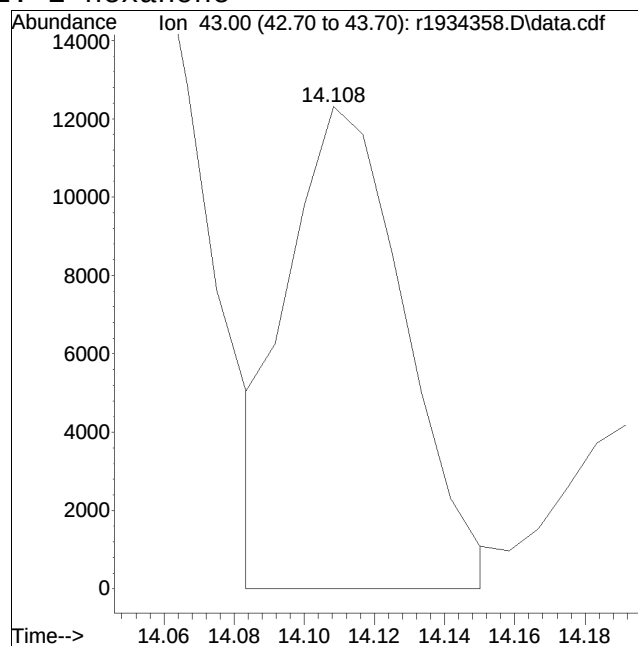
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934358.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 1:34 AM Instrument :
Sample : L2525337-02,3,250,250 Quant Date : 5/8/2025 6:18 am

Compound #72: 2-hexanone



Original Peak Response = 25308

M4 = Poor automated baseline construction.

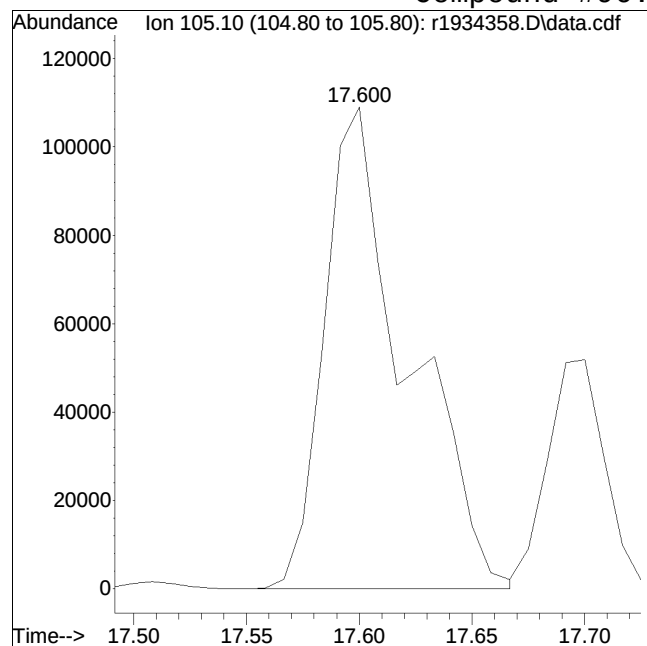


Manual Peak Response = 28493 M4

Manual Integration Report

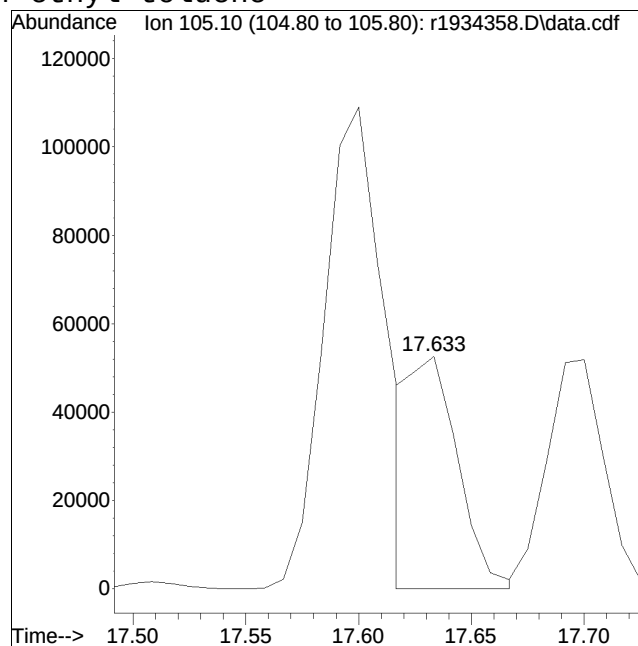
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934358.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 1:34 AM Instrument :
Sample : L2525337-02,3,250,250 Quant Date : 5/8/2025 6:18 am

Compound #96: 4-ethyl toluene



Original Peak Response = 278738

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 78822 M6

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934359.D
 Acq On : 8 May 2025 2:13 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-03,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:19:04 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

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

Internal Standards						
1) bromochloromethane	8.758	49	342729	10.000	ppbV	-0.02
Standard Area = 339843			Recovery =	100.85%		
43) 1,4-difluorobenzene	10.910	114	1013224	10.000	ppbV	0.00
Standard Area = 931395			Recovery =	108.79%		
67) chlorobenzene-D5	15.600	54	144757	10.000	ppbV	0.00
Standard Area = 169143			Recovery =	85.58%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	4.034	85	18389	0.403	ppbV	99
6) chloromethane	4.178	50	5628	0.325	ppbV	99
7) Freon-114	4.274		0	N.D.		
9) vinyl chloride	4.382		0	N.D.		
10) 1,3-butadiene	4.508	54	66352M6	3.390	ppbV	
13) bromomethane	0.000		0	N.D.		
14) chloroethane	4.928		0	N.D.		
15) ethanol	5.042	31	384043	18.742	ppbV #	69
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.500	43	3907451M6	108.457	ppbV	
21) trichlorofluoromethane	5.690	101	8593	0.196	ppbV	97
22) isopropyl alcohol	5.757	45	1286684	30.932	ppbV	99
26) 1,1-dichloroethene	0.000		0	N.D.	d	
27) tertiary butyl alcohol	6.368	59	502333	7.729	ppbV #	91
28) methylene chloride	6.470	49	5600	0.205	ppbV	98
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	6.752	76	127060	1.696	ppbV	98
31) Freon 113	6.752	101	3687	0.073	ppbV	100
32) trans-1,2-dichloroethene	7.467	61	3460	0.076	ppbV	92
33) 1,1-dichloroethane	0.000		0	N.D.	d	
34) MTBE	7.692		0	N.D.		
36) 2-butanone	8.092	43	146107	2.537	ppbV	99
37) cis-1,2-dichloroethene	8.583		0	N.D.		
38) Ethyl Acetate	8.850	61	1055	0.089	ppbV #	1
39) chloroform	8.908	83	37638	0.835	ppbV	98
40) Tetrahydrofuran	9.342	42	13876	0.424	ppbV	93
42) 1,2-dichloroethane	9.708		0	N.D.		
44) hexane	8.825	57	330286	5.345	ppbV #	19

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934359.D
 Acq On : 8 May 2025 2:13 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-03,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:19:04 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

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

48) 1,1,1-trichloroethane	9.983		0	N.D.		
50) benzene	10.497	78	114934	1.291	ppbV	97
52) carbon tetrachloride	10.663	117	13002	0.389	ppbV	95
53) cyclohexane	10.803	56	36078	0.608	ppbV #	94
56) 1,2-dichloropropane	11.417		0	N.D.		
57) bromodichloromethane	0.000		0	N.D.	d	
58) 1,4-dioxane	0.000		0	N.D.	d	
59) trichloroethene	11.690	130	1922502	49.675	ppbV	99
60) 2,2,4-trimethylpentane	11.737	57	111488	0.634	ppbV #	68
62) heptane	12.050	43	67999	1.230	ppbV	91
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.717	43	28516	0.446	ppbV	91
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	13.517		0	N.D.		
68) toluene	13.817	91	885776	8.626	ppbV	100
72) 2-hexanone	14.108	43	29663M4	0.542	ppbV	
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.000	166	444489	10.080	ppbV	99
80) chlorobenzene	0.000		0	N.D.	d	
81) ethylbenzene	15.992	91	163651	1.254	ppbV	99
83) m+p-xylene	16.142	91	534297	5.131	ppbV	99
84) bromoform	0.000		0	N.D.		
85) styrene	16.475	104	74902	0.866	ppbV	98
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
87) o-xylene	16.567	91	223720	2.202	ppbV	98
96) 4-ethyl toluene	17.642	105	77508M6	0.577	ppbV	
97) 1,3,5-trimethylbenzene	17.708	105	60621	0.520	ppbV	99
99) 1,2,4-trimethylbenzene	18.060	105	166546	1.418	ppbV #	55
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	18.202		0	N.D.		
103) 1,4-dichlorobenzene	18.260		0	N.D.		
107) 1,2-dichlorobenzene	18.552		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.042	128	7873	0.069	ppbV	98
119) hexachlorobutadiene	0.000		0	N.D.		

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934359.D
 Acq On : 8 May 2025 2:13 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-03,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:19:04 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

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

Sub List : T015-NY+Naphthalene - .\2025\05\0507T\r1934340.D

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\

Data File : r1934359.D

Acq On : 8 May 2025 2:13 AM

Operator : AIRLAB19:TPH

Sample : L2525337-03,3,250,250

Misc : WG2063684,ICAL22124

ALS Vial : 0 Sample Multiplier: 1

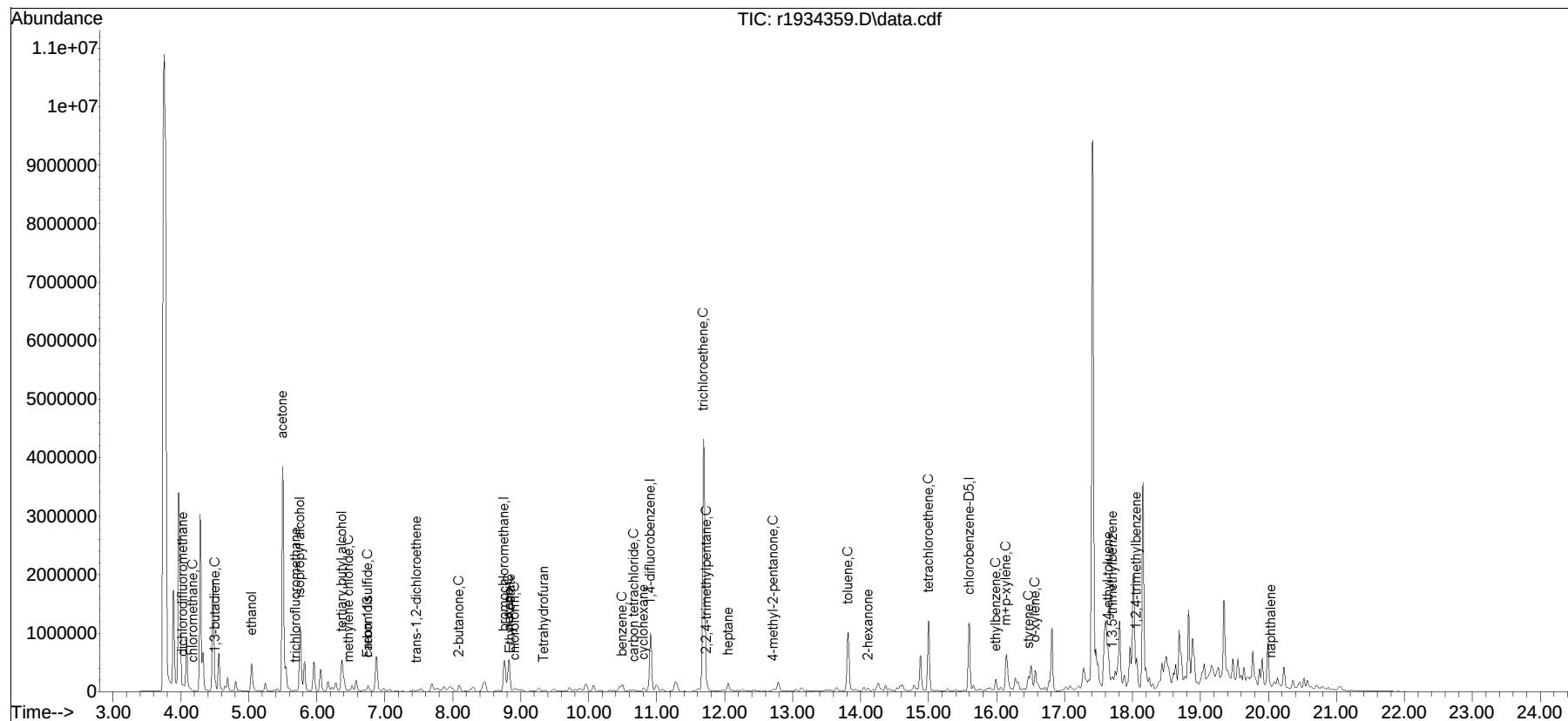
Quant Time: May 08 06:19:04 2025

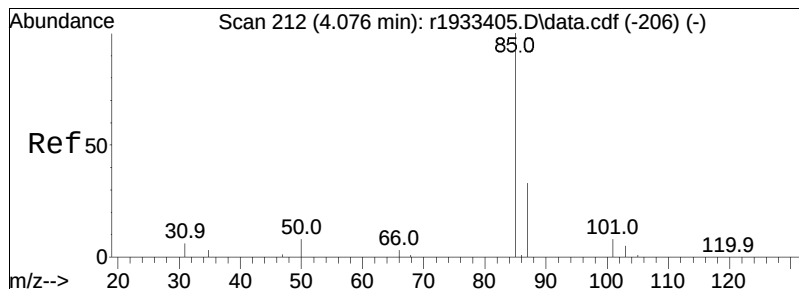
Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M

Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis

QLast Update : Sun Mar 30 07:46:23 2025

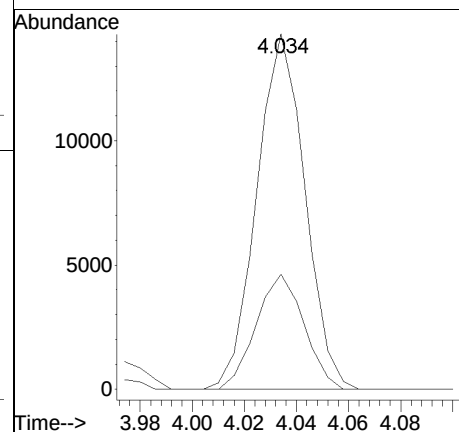
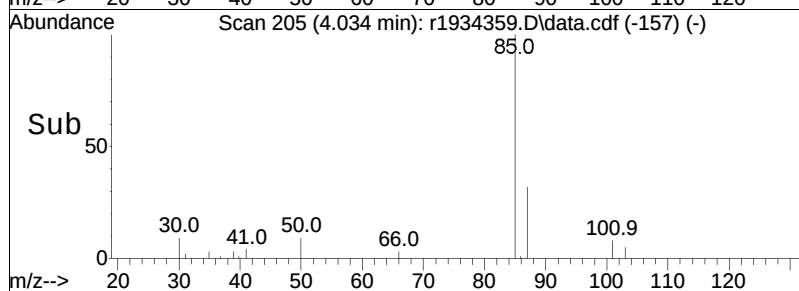
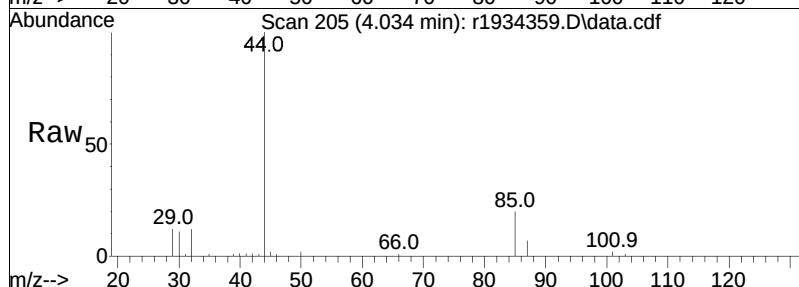
Response via : Initial Calibration

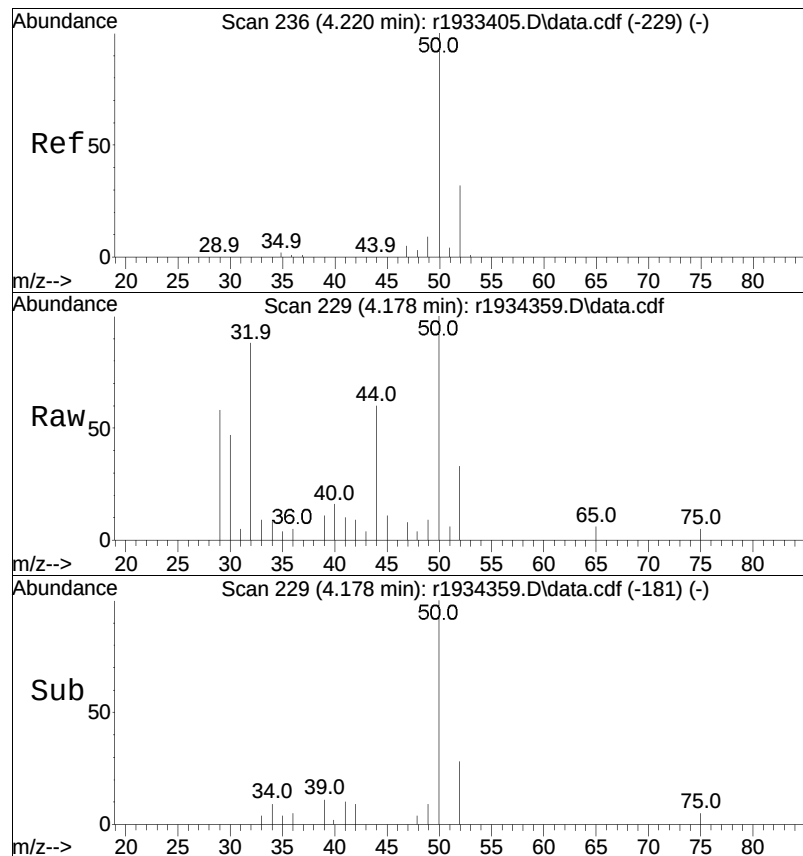




#5
dichlorodifluoromethane
Concen: 0.40 ppbV
RT: 4.034 min Scan# 205
Delta R.T. -0.042 min
Lab File: r1934359.D
Acq: 8 May 2025 2:13 AM

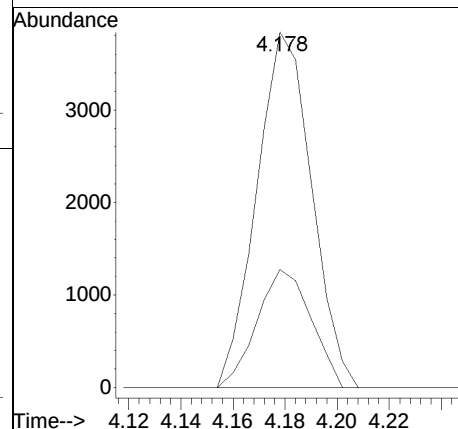
Tgt Ion: 85 Resp: 18389
Ion Ratio Lower Upper
85 100
87 32.4 26.2 39.4

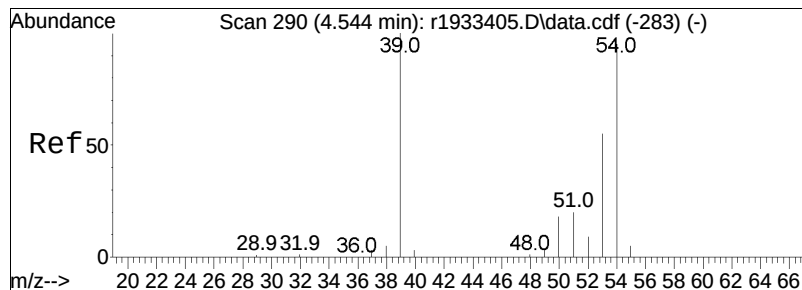




#6
 chloromethane
 Concen: 0.32 ppbV
 RT: 4.178 min Scan# 229
 Delta R.T. -0.042 min
 Lab File: r1934359.D
 Acq: 8 May 2025 2:13 AM

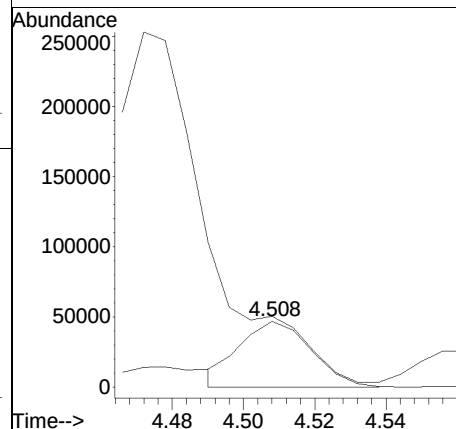
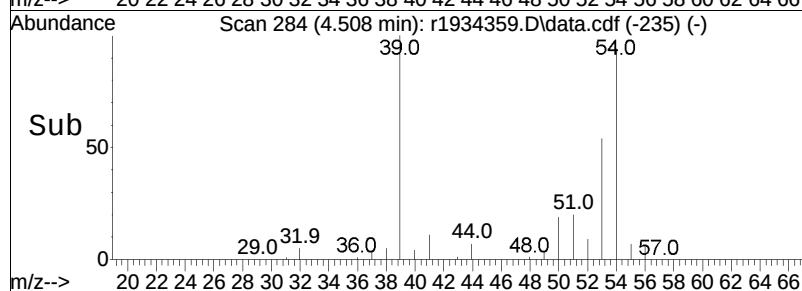
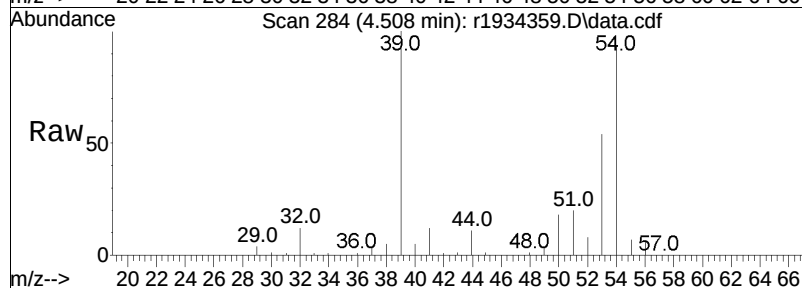
Tgt Ion	Ratio	Lower	Upper
50	100		
52	33.2	25.9	38.9

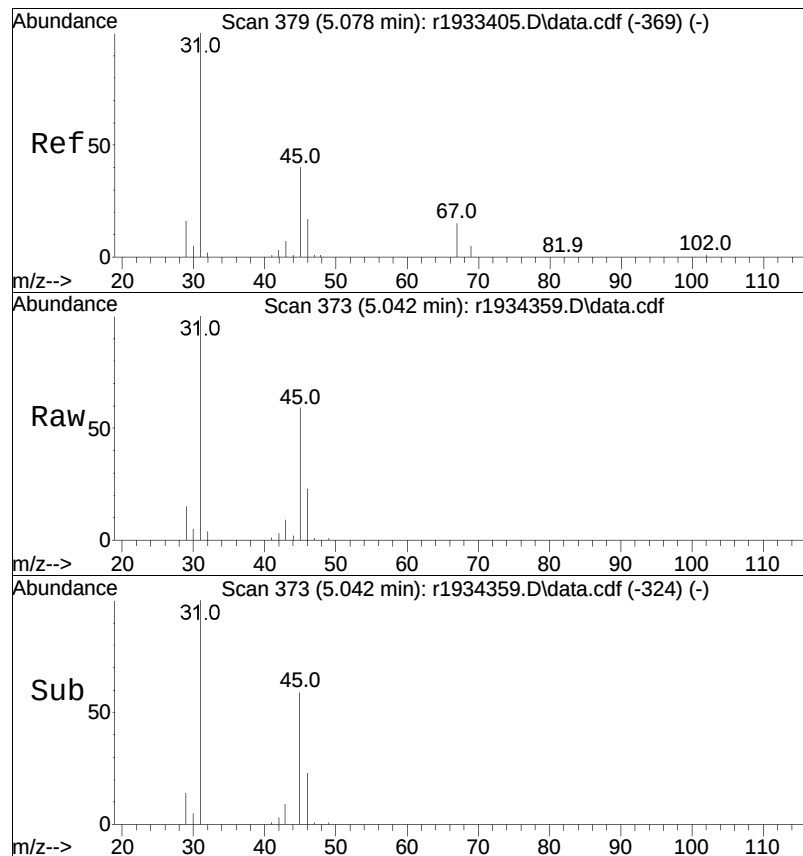




#10
 1,3-butadiene
 Concen: 3.39 ppbV m
 RT: 4.508 min Scan# 284
 Delta R.T. -0.036 min
 Lab File: r1934359.D
 Acq: 8 May 2025 2:13 AM

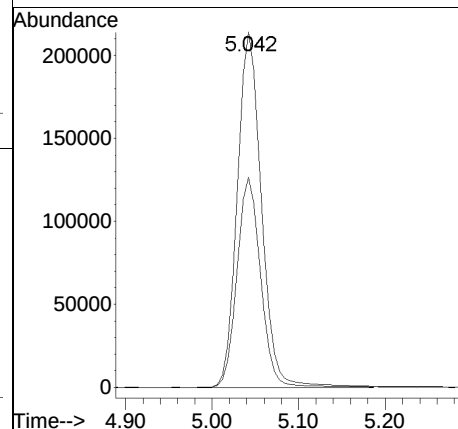
Tgt Ion	Ratio	Lower	Upper
54	100		
39	107.7	84.2	126.4

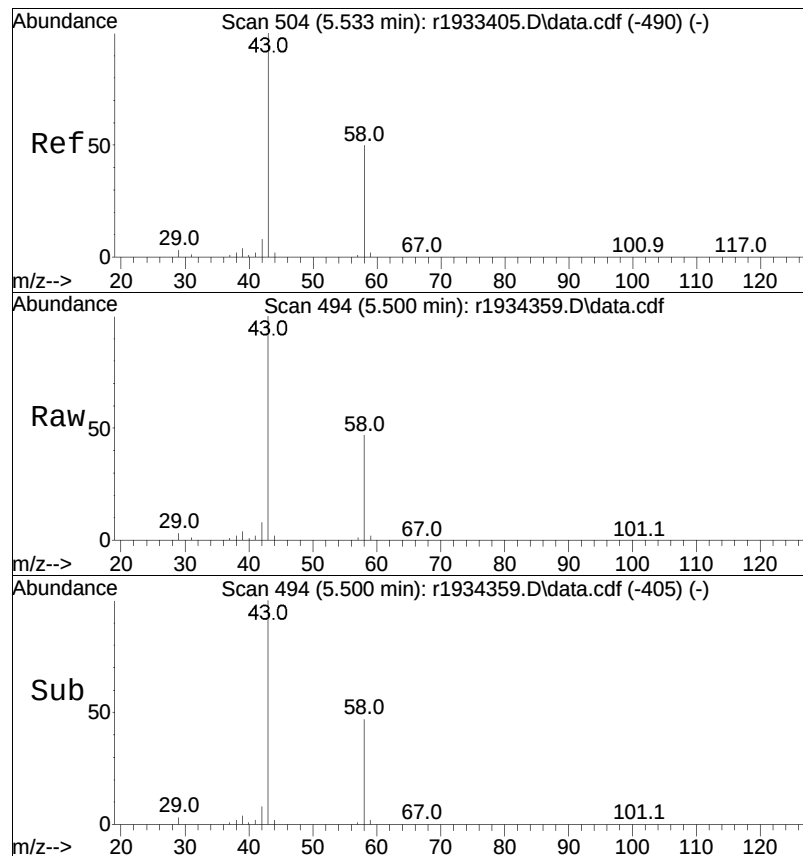




#15
 ethanol
 Concen: 18.74 ppbV
 RT: 5.042 min Scan# 373
 Delta R.T. -0.036 min
 Lab File: r1934359.D
 Acq: 8 May 2025 2:13 AM

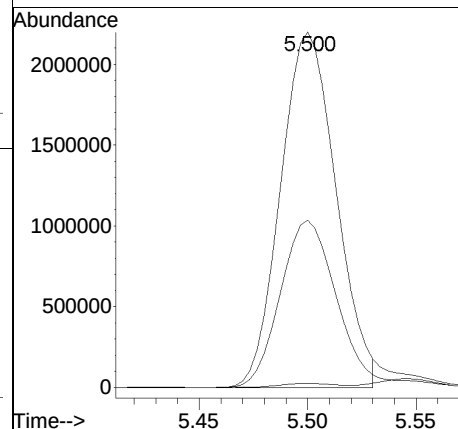
Tgt Ion	Ratio	Lower	Upper
31	100		
45	59.1	31.8	47.8#

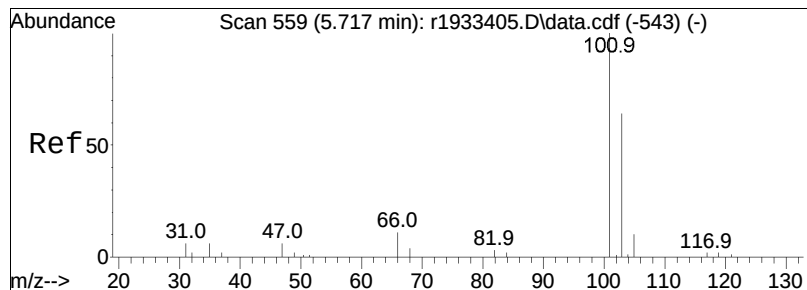




#19
acetone
Concen: 108.46 ppbV m
RT: 5.500 min Scan# 494
Delta R.T. -0.033 min
Lab File: r1934359.D
Acq: 8 May 2025 2:13 AM

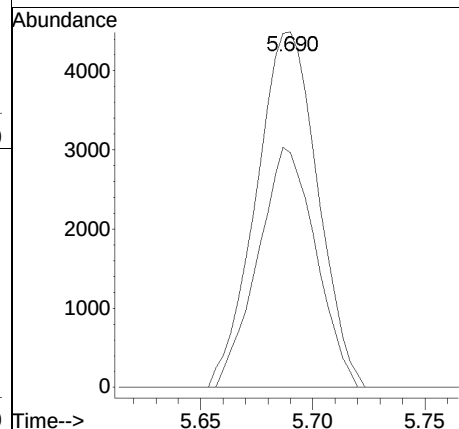
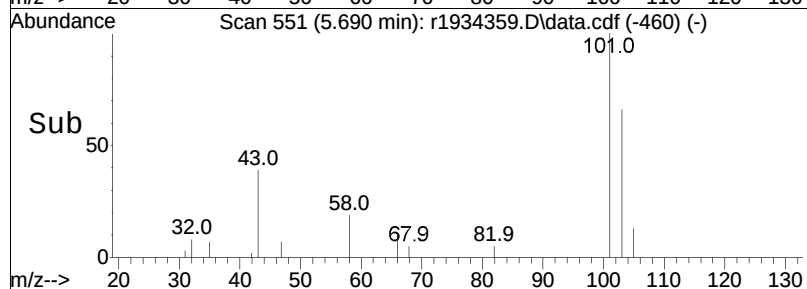
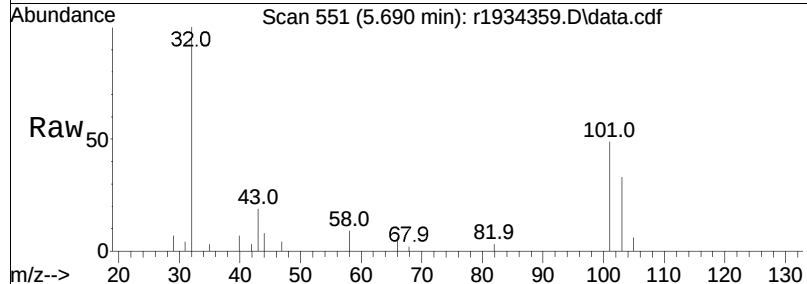
Tgt Ion	Ratio	Lower	Upper
43	100		
58	47.0	40.4	60.6
57	1.2	1.0	1.4

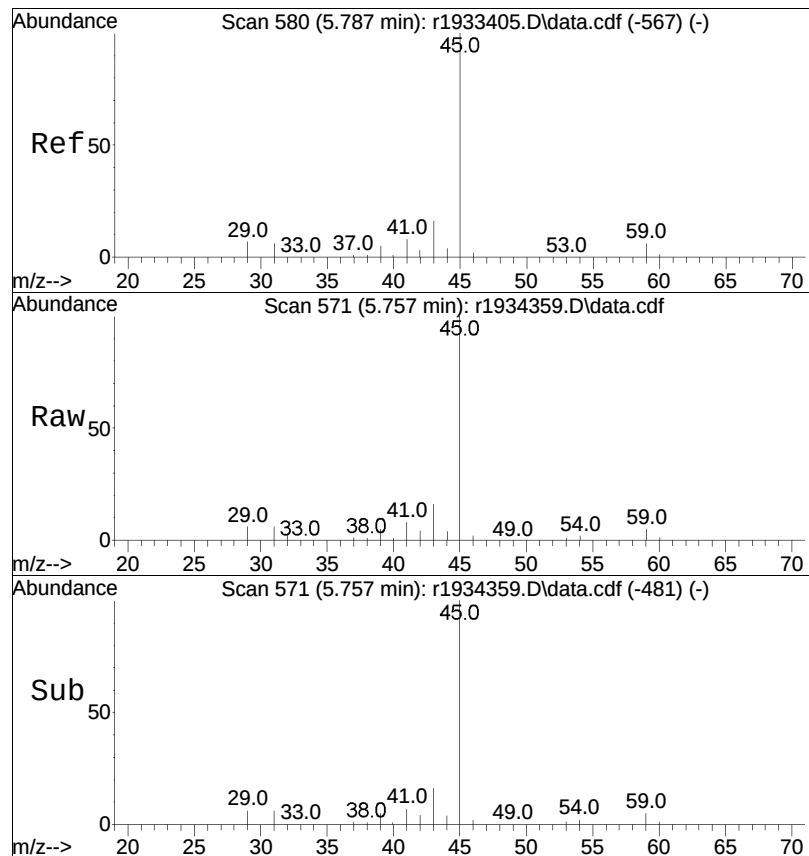




#21
trichlorofluoromethane
Concen: 0.20 ppbV
RT: 5.690 min Scan# 551
Delta R.T. -0.027 min
Lab File: r1934359.D
Acq: 8 May 2025 2:13 AM

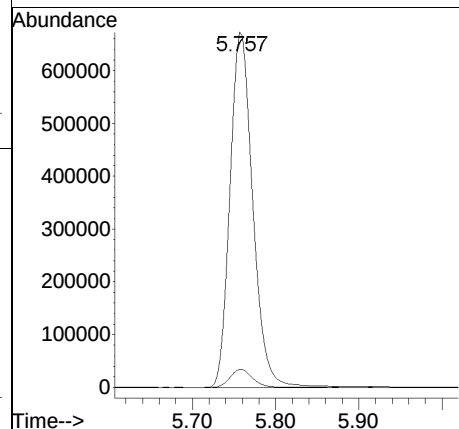
Tgt	Ion	Ratio	Lower	Upper
101	101	100		
103	66.0	51.0	76.4	

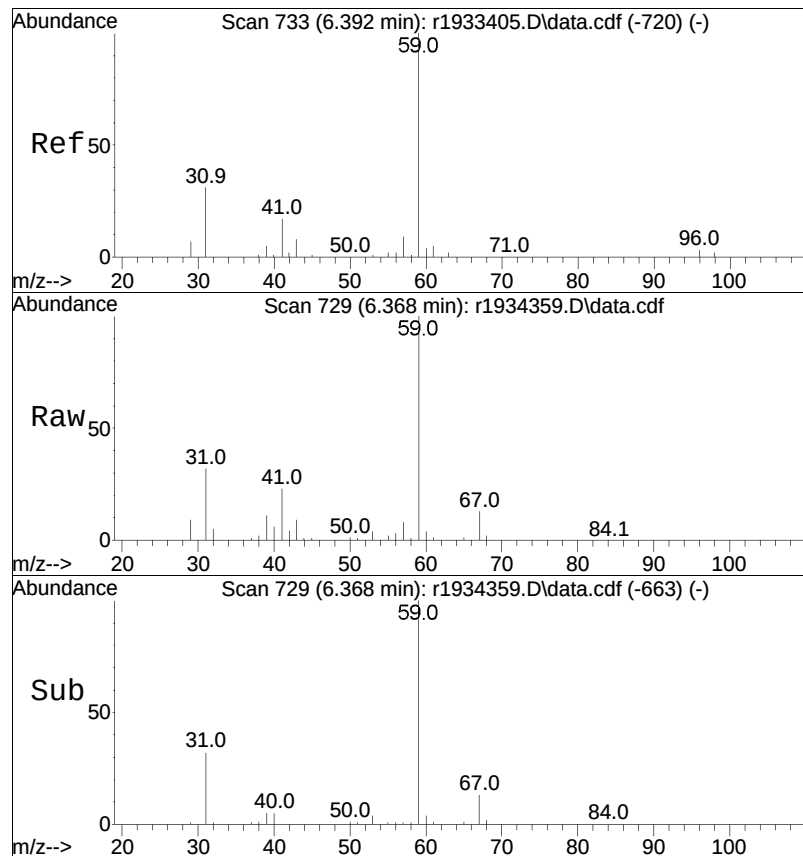




#22
 isopropyl alcohol
 Concen: 30.93 ppbV
 RT: 5.757 min Scan# 571
 Delta R.T. -0.030 min
 Lab File: r1934359.D
 Acq: 8 May 2025 2:13 AM

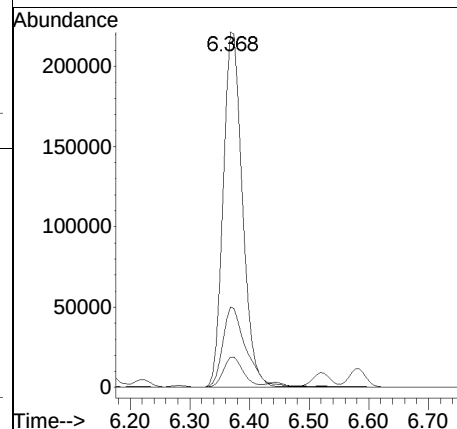
Tgt Ion	Ratio	Lower	Upper
45	100		
59	5.1	4.4	6.6

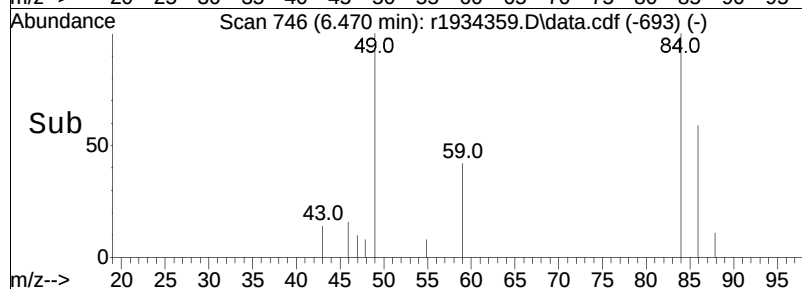
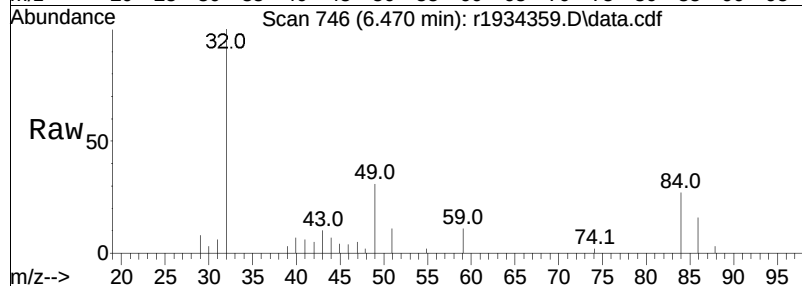
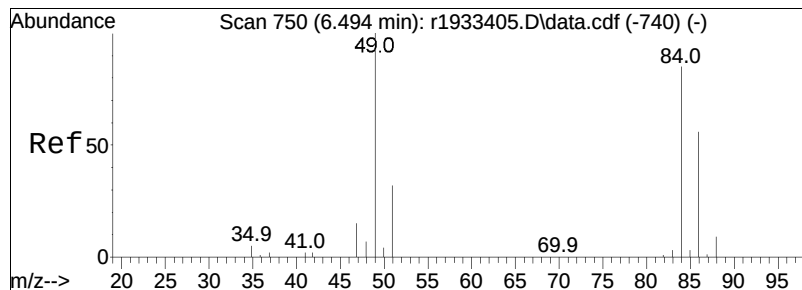




#27
 tertiary butyl alcohol
 Concen: 7.73 ppbV
 RT: 6.368 min Scan# 729
 Delta R.T. -0.024 min
 Lab File: r1934359.D
 Acq: 8 May 2025 2:13 AM

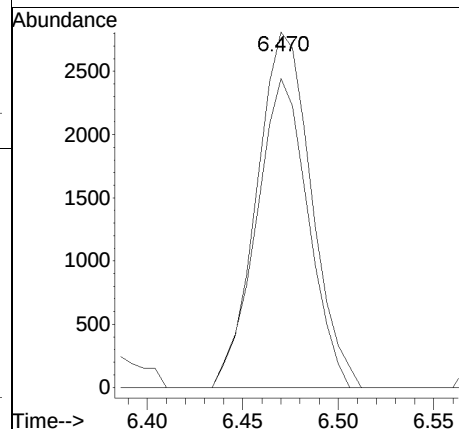
Tgt	Ion: 59	Resp: 502333
Ion	Ratio	Lower Upper
59	100	
41	22.7	14.0 21.0#
43	8.6	6.3 9.5

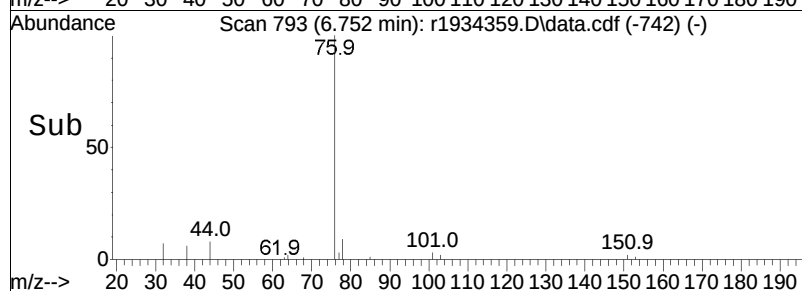
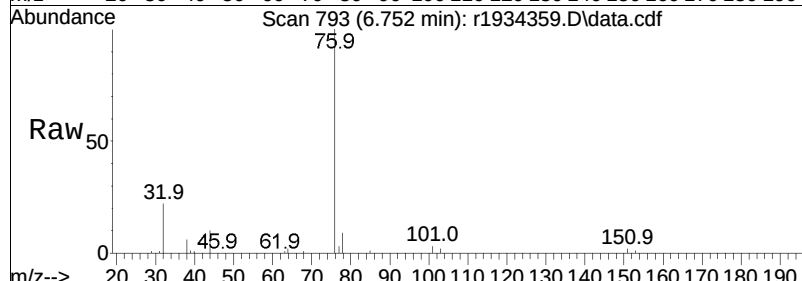
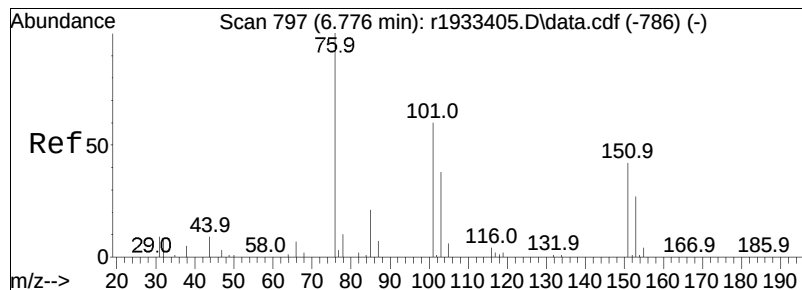




#28
 methylene chloride
 Concen: 0.20 ppbV
 RT: 6.470 min Scan# 746
 Delta R.T. -0.024 min
 Lab File: r1934359.D
 Acq: 8 May 2025 2:13 AM

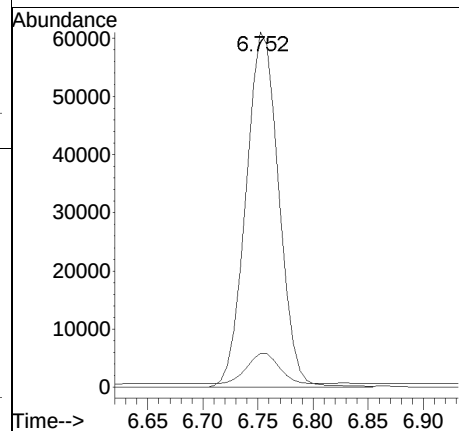
Tgt Ion:	49	84	Ratio	Lower	Upper
Resp:	5600				
Ion Ratio	100	86.9			
			68.4	102.6	

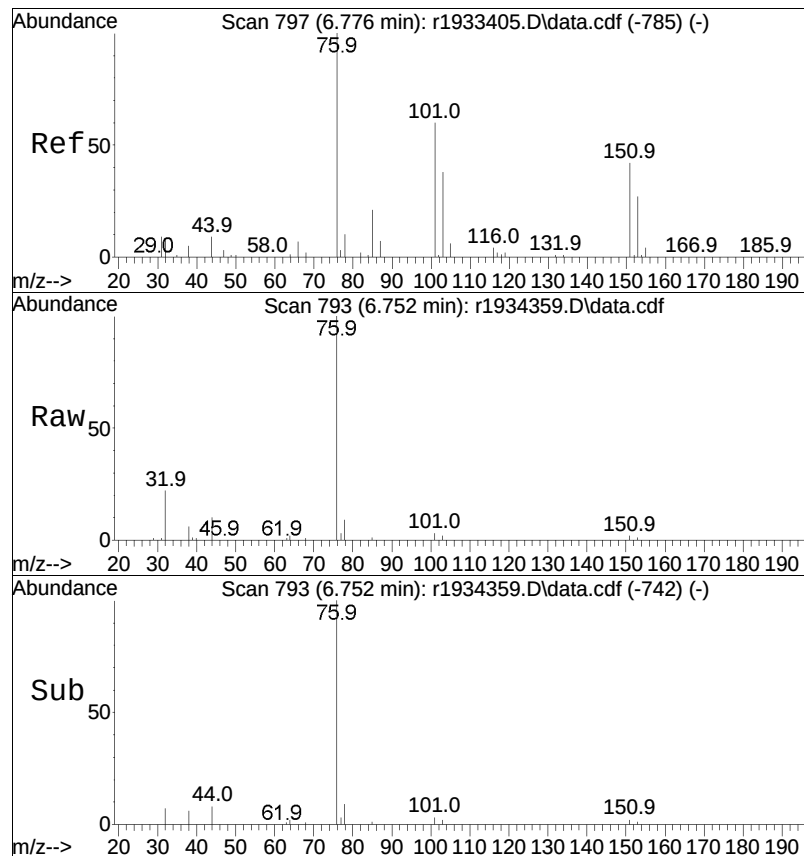




#30
carbon disulfide
Concen: 1.70 ppbV
RT: 6.752 min Scan# 793
Delta R.T. -0.024 min
Lab File: r1934359.D
Acq: 8 May 2025 2:13 AM

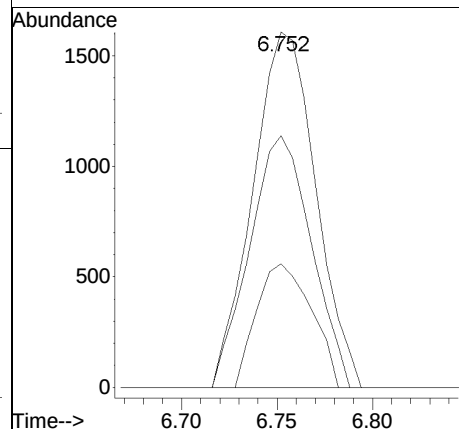
Tgt	Ion	Resp	Lower	Upper
76	100	127060		
44	9.6	7.0	10.6	

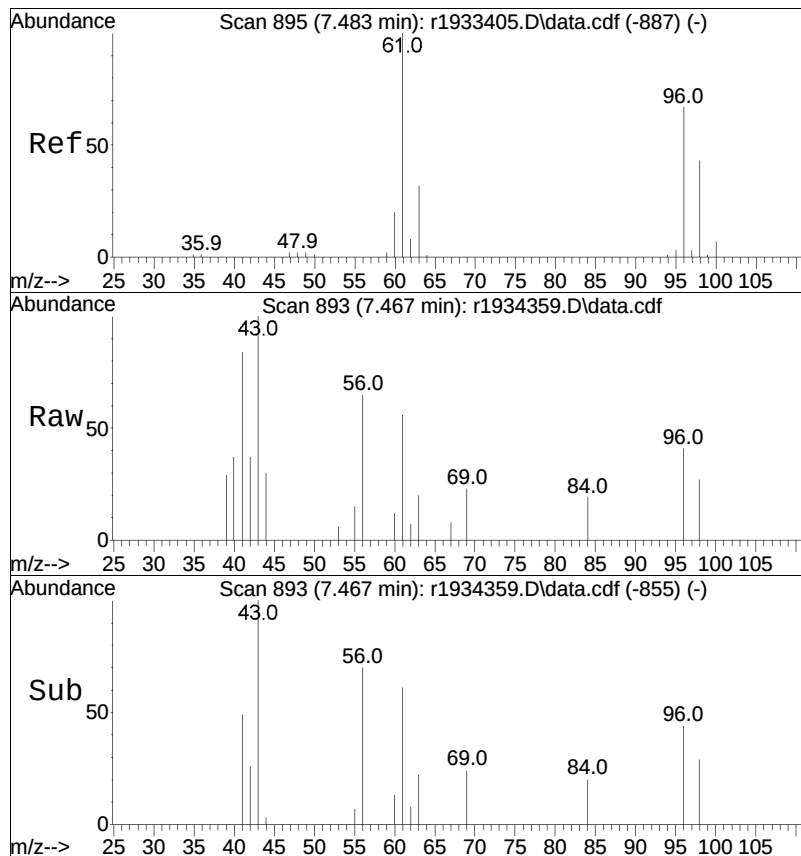




#31
 Freon 113
 Concen: 0.07 ppbV
 RT: 6.752 min Scan# 793
 Delta R.T. -0.024 min
 Lab File: r1934359.D
 Acq: 8 May 2025 2:13 AM

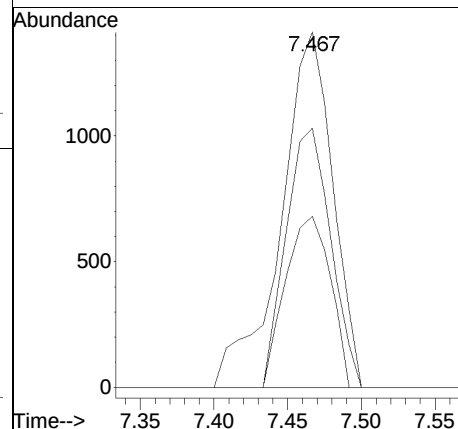
Tgt Ion:	101	Resp:	3687
Ion Ratio	Lower	Upper	
101	100		
85	34.8	27.7	41.5
151	70.8	56.6	85.0

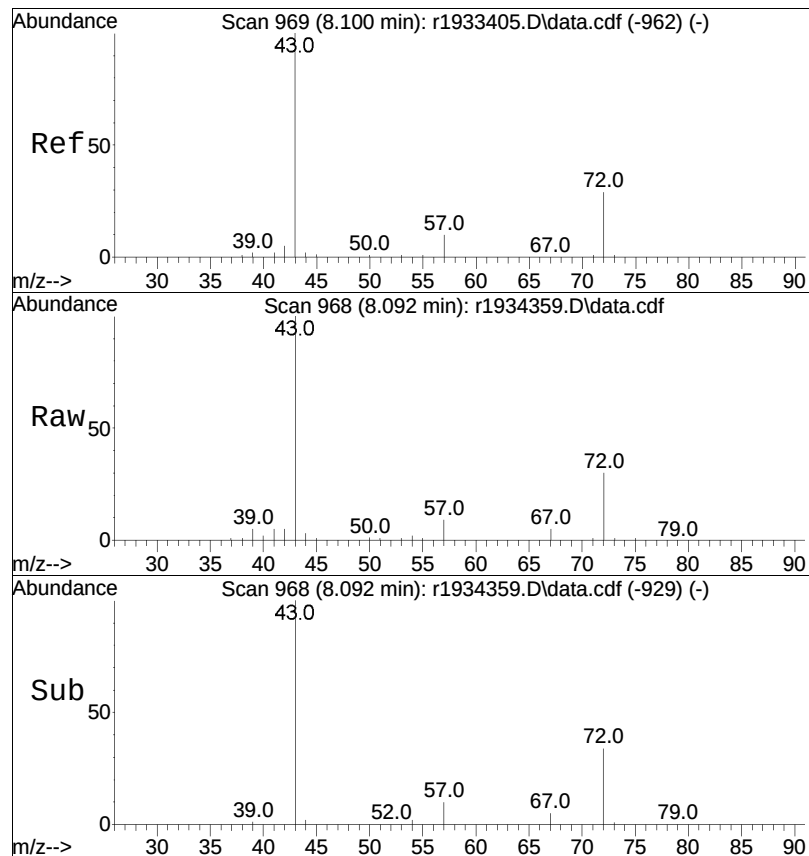




#32
trans-1,2-dichloroethene
Concen: 0.08 ppbV
RT: 7.467 min Scan# 893
Delta R.T. -0.017 min
Lab File: r1934359.D
Acq: 8 May 2025 2:13 AM

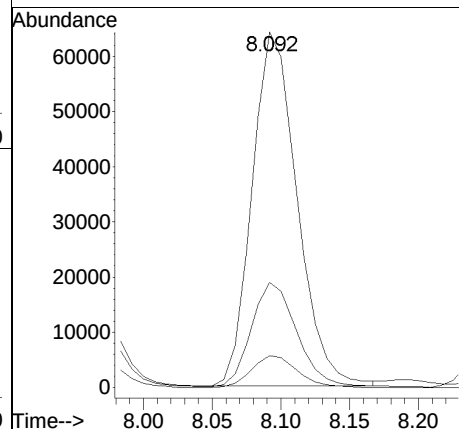
Tgt Ion:	61	Resp:	3460
Ion Ratio	Lower	Upper	
61	100		
96	73.0	53.8	80.6
98	48.2	34.3	51.5

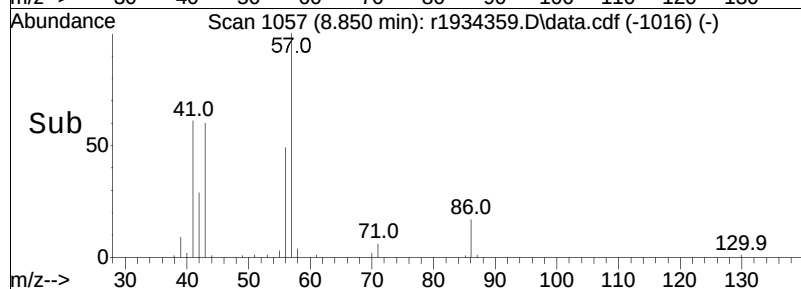
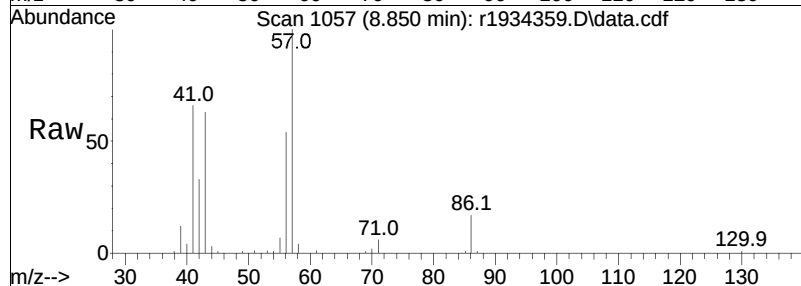
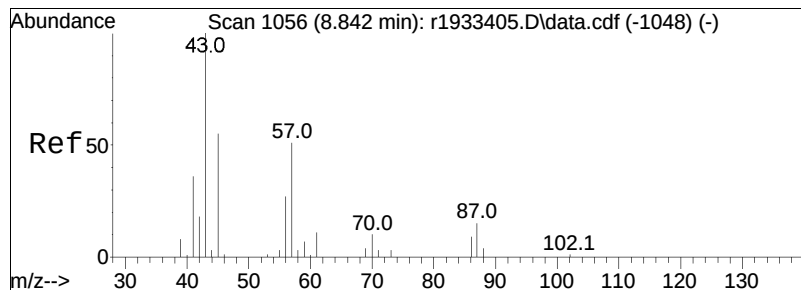




#36
 2-butanone
 Concen: 2.54 ppbV
 RT: 8.092 min Scan# 968
 Delta R.T. -0.008 min
 Lab File: r1934359.D
 Acq: 8 May 2025 2:13 AM

Tgt Ion:	43	Resp:	146107
Ion Ratio	Lower	Upper	
43	100		
72	29.6	23.3	34.9
57	9.0	7.9	11.9





#38

Ethyl Acetate

Concen: 0.09 ppbV

RT: 8.850 min Scan# 1057

Delta R.T. 0.008 min

Lab File: r1934359.D

Acq: 8 May 2025 2:13 AM

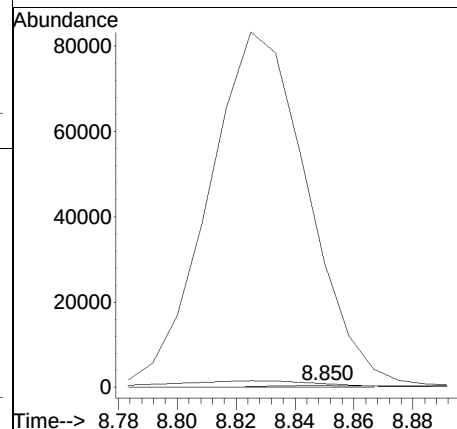
Tgt Ion: 61 Resp: 1055

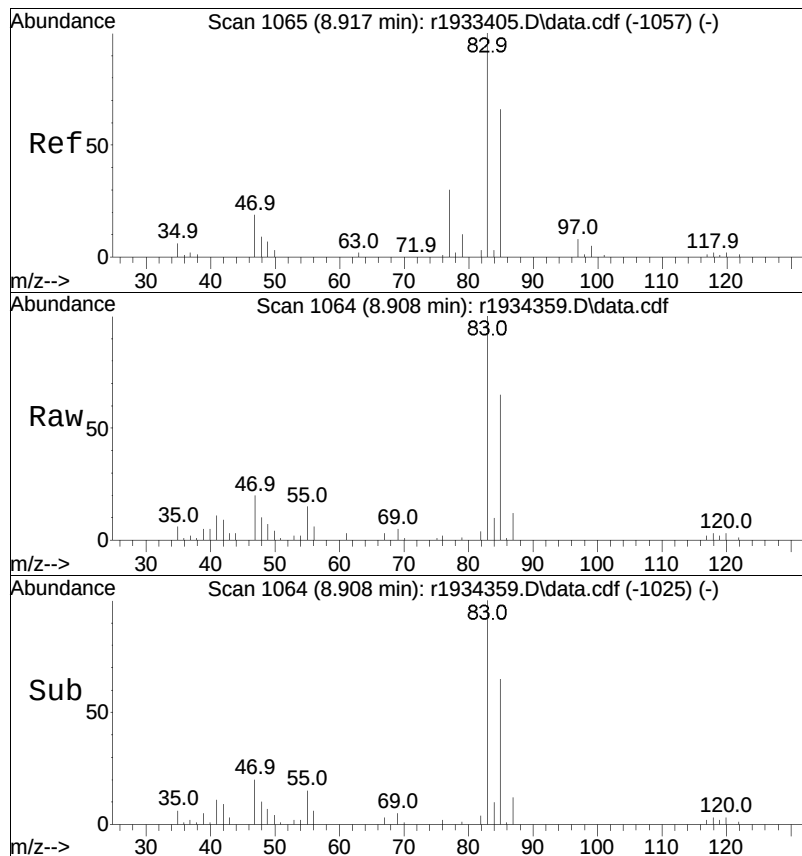
Ion Ratio Lower Upper

61 100

70 193.2 72.0 108.0#

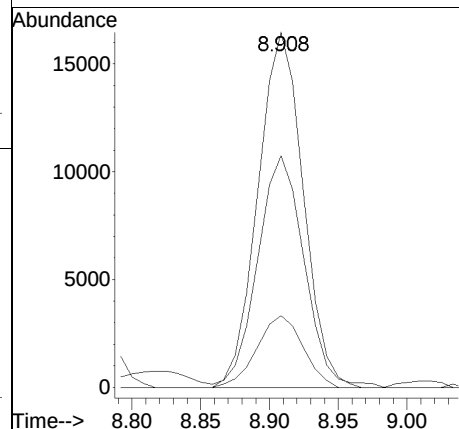
43 6396.3 714.4 1071.6#

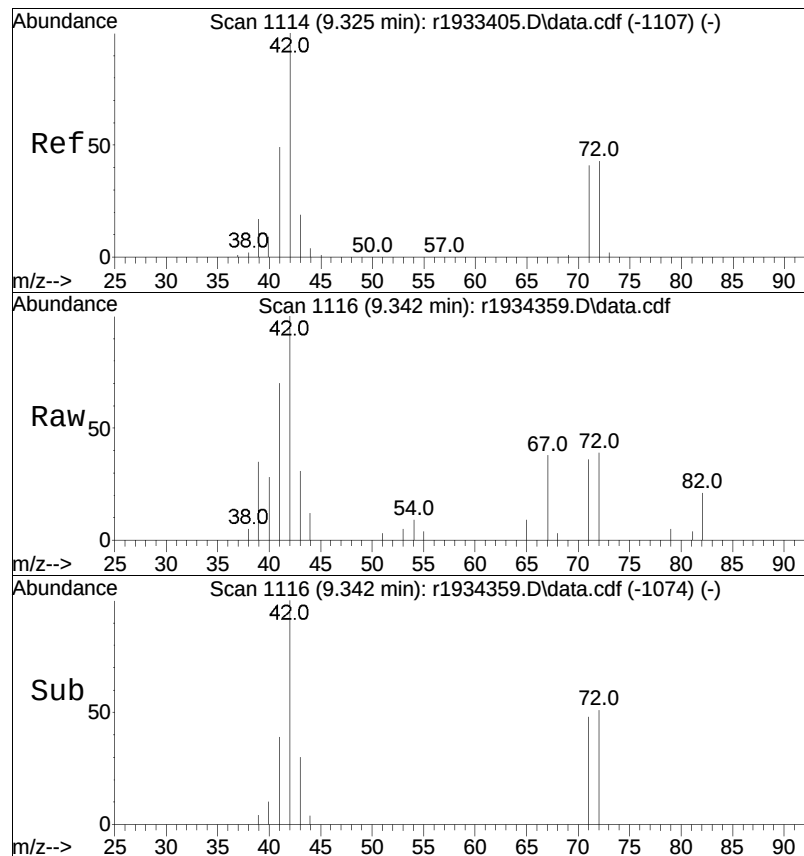




#39
 chloroform
 Concen: 0.84 ppbV
 RT: 8.908 min Scan# 1064
 Delta R.T. -0.008 min
 Lab File: r1934359.D
 Acq: 8 May 2025 2:13 AM

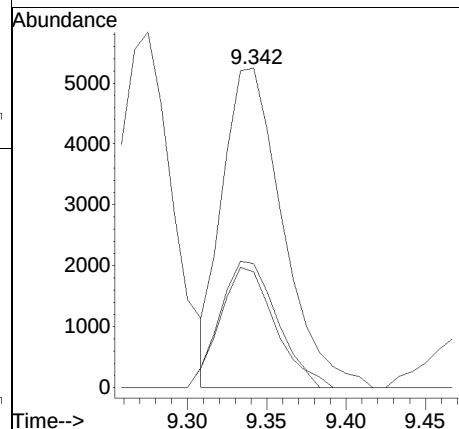
Tgt	Ion: 83	Resp:	37638
Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.4	80.0
47	20.2	15.0	22.4

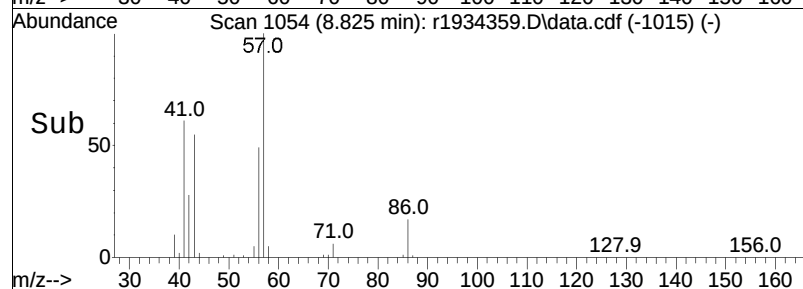
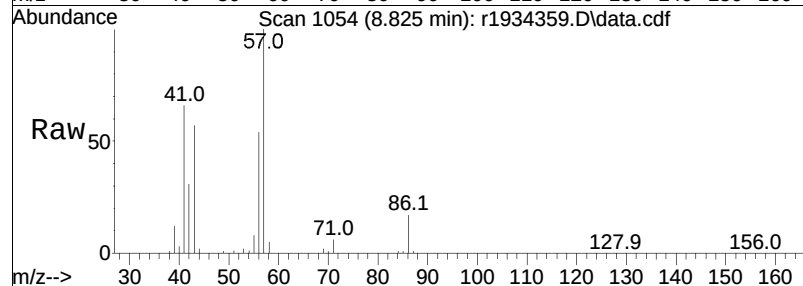
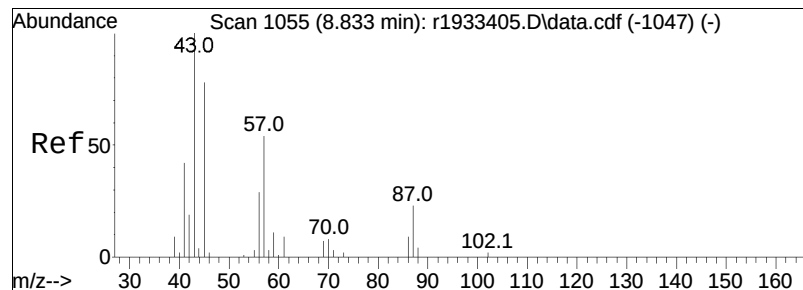




#40
Tetrahydrofuran
Concen: 0.42 ppbV
RT: 9.342 min Scan# 1116
Delta R.T. 0.017 min
Lab File: r1934359.D
Acq: 8 May 2025 2:13 AM

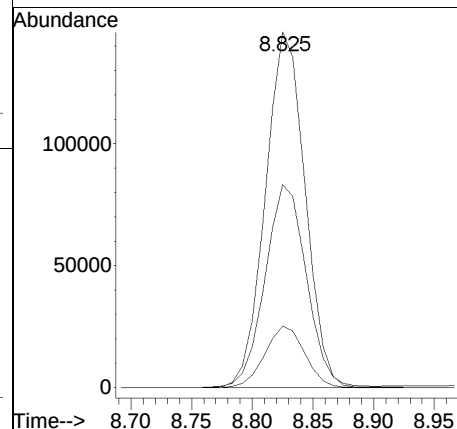
Tgt Ion:	42	Resp:	13876
Ion Ratio	Lower	Upper	
42	100		
71	36.2	32.6	48.8
72	38.8	34.6	52.0

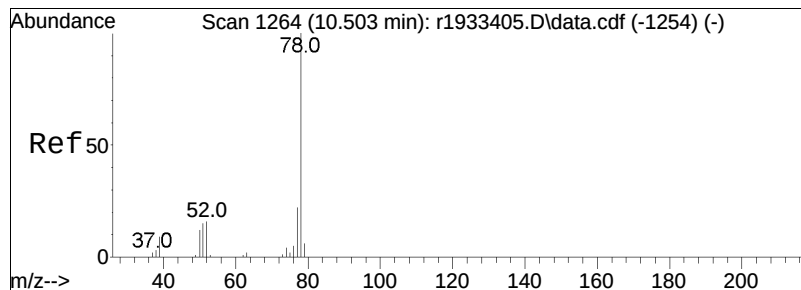




#44
hexane
Concen: 5.34 ppbV
RT: 8.825 min Scan# 1054
Delta R.T. -0.008 min
Lab File: r1934359.D
Acq: 8 May 2025 2:13 AM

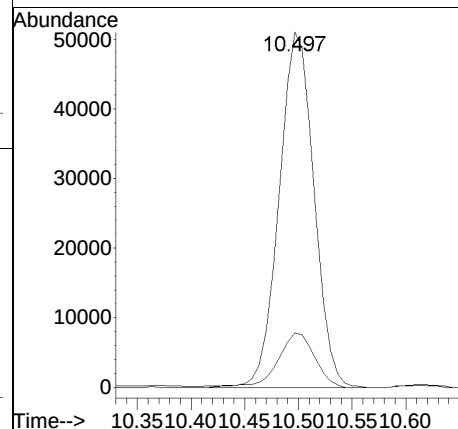
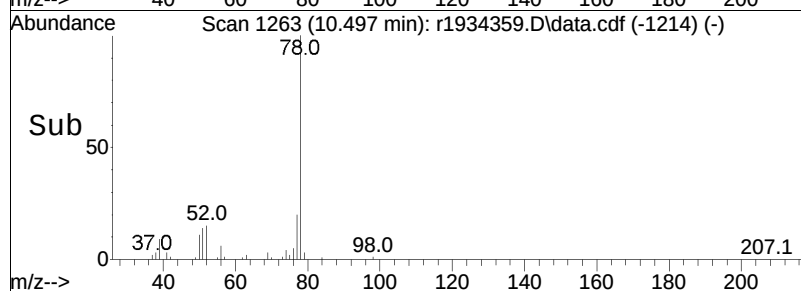
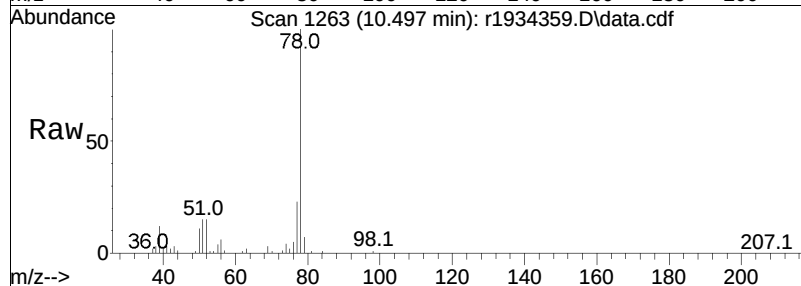
Tgt	Ion	Resp	330286
Ion	Ratio	Lower	Upper
57	100		
43	57.1	148.0	222.0#
86	17.2	13.7	20.5

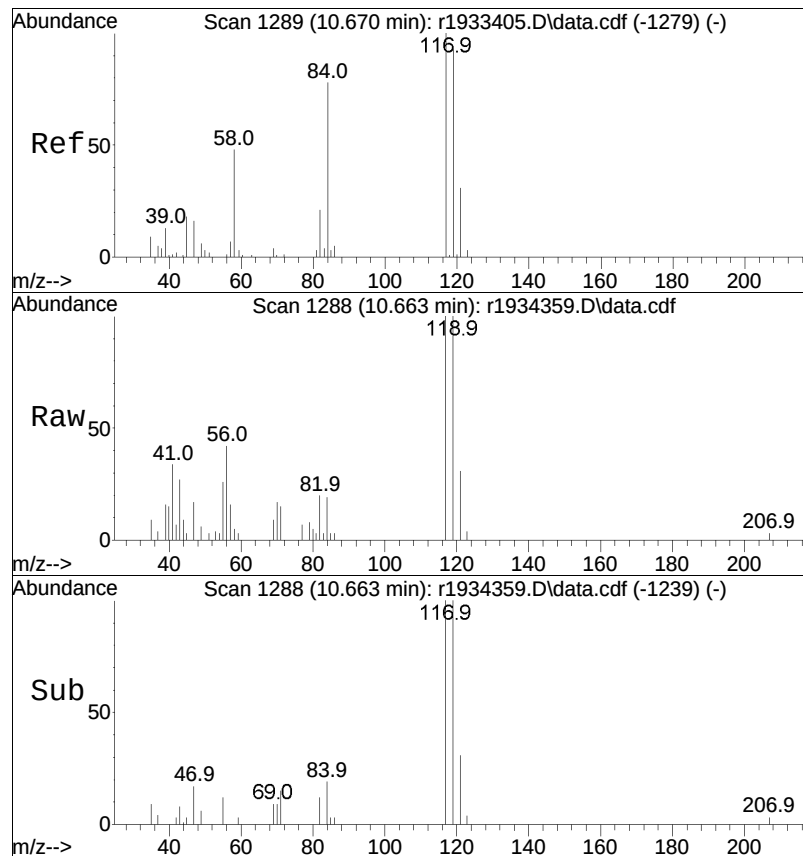




#50
benzene
Concen: 1.29 ppbV
RT: 10.497 min Scan# 1263
Delta R.T. -0.007 min
Lab File: r1934359.D
Acq: 8 May 2025 2:13 AM

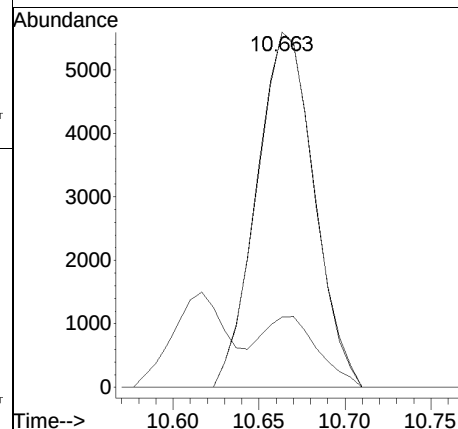
Tgt Ion	Ratio	Lower	Upper
78	100		
52	15.4	13.2	19.8

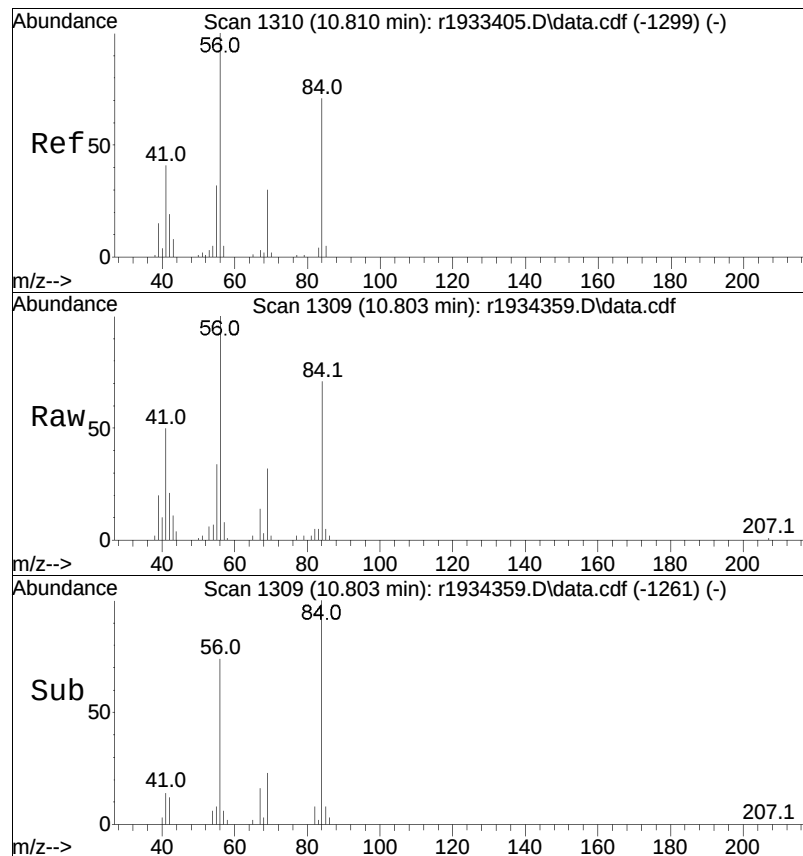




#52
 carbon tetrachloride
 Concen: 0.39 ppbV
 RT: 10.663 min Scan# 1288
 Delta R.T. -0.007 min
 Lab File: r1934359.D
 Acq: 8 May 2025 2:13 AM

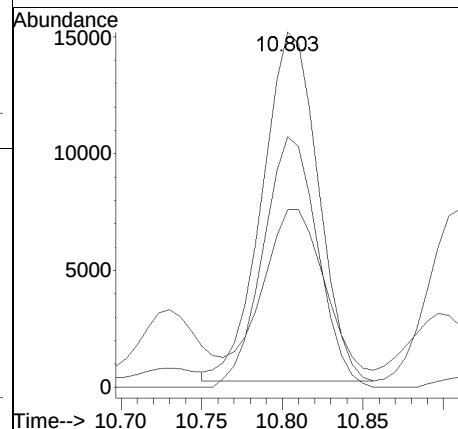
Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.9	75.6	113.4
82	19.8	16.8	25.2

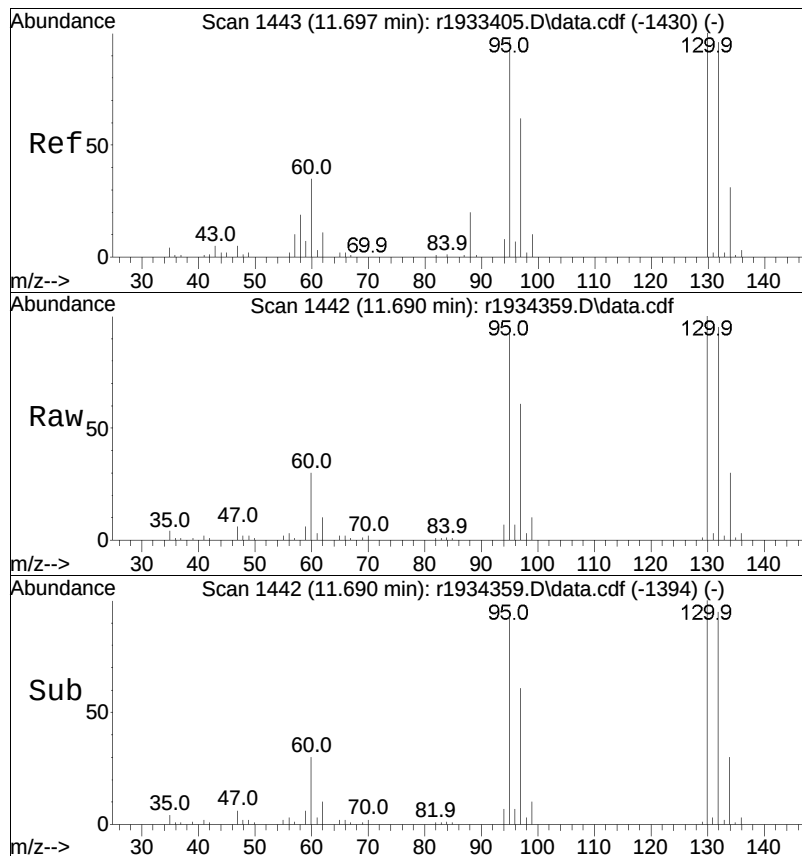




#53
cyclohexane
Concen: 0.61 ppbV
RT: 10.803 min Scan# 1309
Delta R.T. -0.007 min
Lab File: r1934359.D
Acq: 8 May 2025 2:13 AM

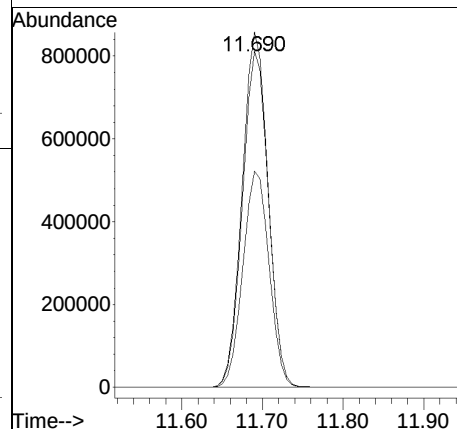
Tgt Ion	Ratio	Lower	Upper
56	100		
84	70.5	56.8	85.2
41	50.0	32.8	49.2#

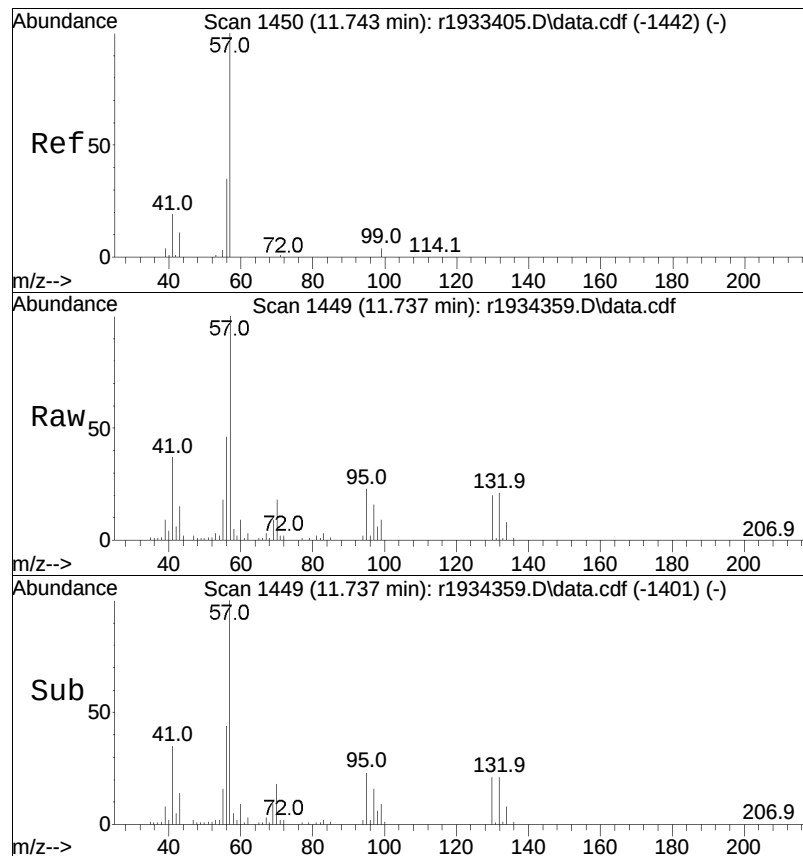




#59
trichloroethene
Concen: 49.67 ppbV
RT: 11.690 min Scan# 1442
Delta R.T. -0.007 min
Lab File: r1934359.D
Acq: 8 May 2025 2:13 AM

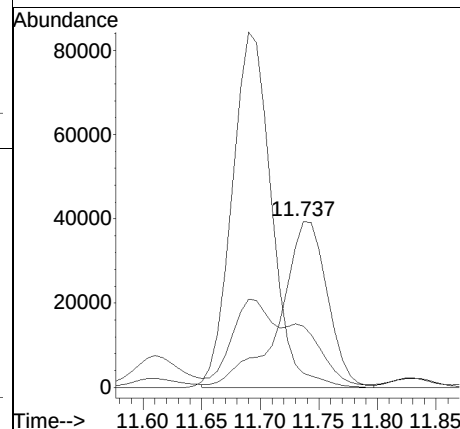
Tgt Ion:	130	Resp:	1922502
Ion Ratio	Lower	Upper	
130	100		
132	94.6	76.6	114.8
97	60.9	49.3	73.9

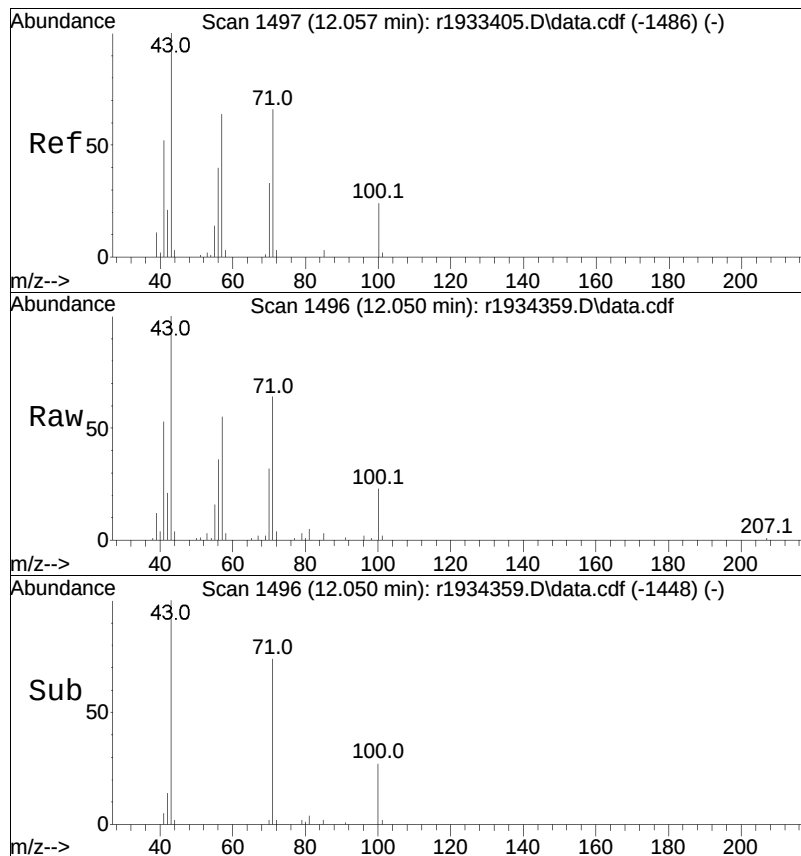




#60
 2,2,4-trimethylpentane
 Concen: 0.63 ppbV
 RT: 11.737 min Scan# 1449
 Delta R.T. -0.007 min
 Lab File: r1934359.D
 Acq: 8 May 2025 2:13 AM

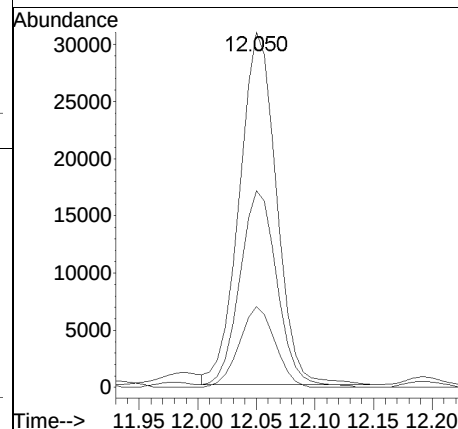
Tgt Ion	Ratio	Lower	Upper
57	100		
99	8.6	4.7	7.1#
41	36.9	15.1	22.7#

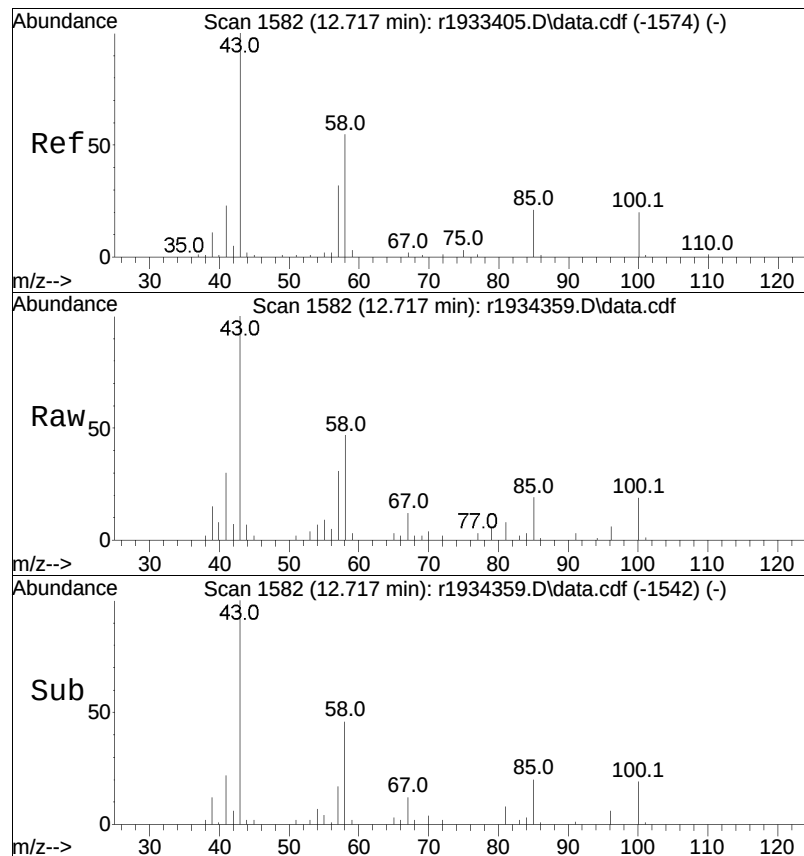




#62
 heptane
 Concen: 1.23 ppbV
 RT: 12.050 min Scan# 1496
 Delta R.T. -0.007 min
 Lab File: r1934359.D
 Acq: 8 May 2025 2:13 AM

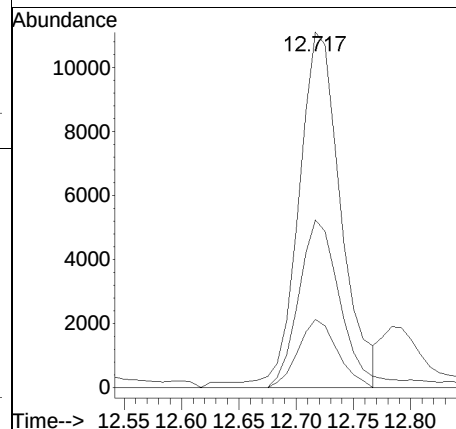
Tgt Ion:	43	Resp:	67999
Ion Ratio	Lower	Upper	
43	100		
57	55.4	51.3	76.9
100	22.8	19.3	28.9

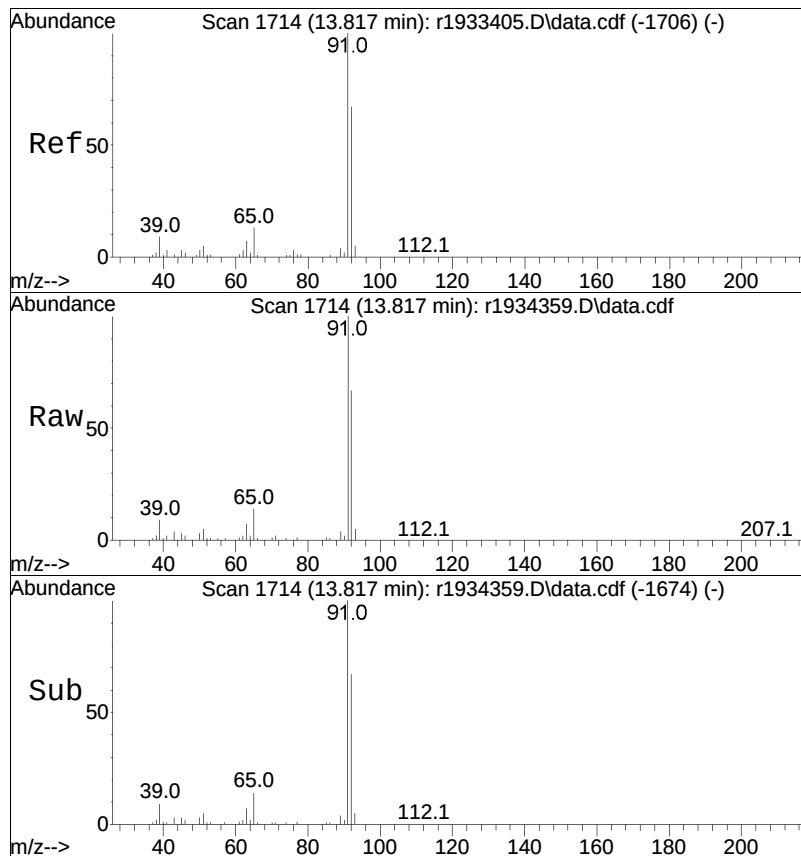




#64
 4-methyl-2-pentanone
 Concen: 0.45 ppbV
 RT: 12.717 min Scan# 1582
 Delta R.T. 0.000 min
 Lab File: r1934359.D
 Acq: 8 May 2025 2:13 AM

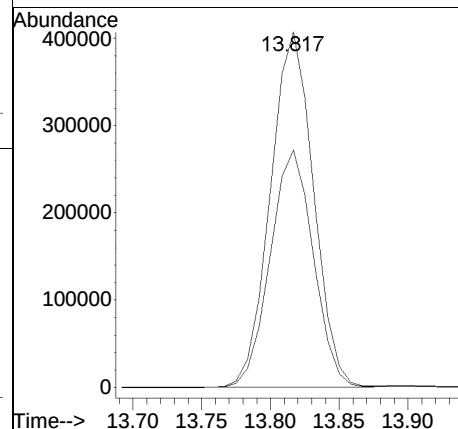
Tgt	Ion: 43	Resp:	28516
Ion	Ratio	Lower	Upper
43	100		
58	47.1	44.1	66.1
100	19.1	16.3	24.5

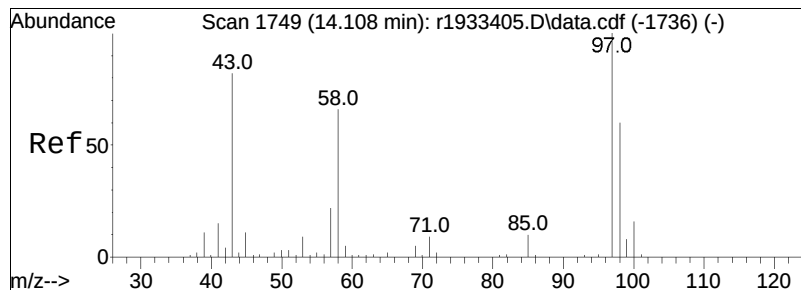




#68
toluene
Concen: 8.63 ppbV
RT: 13.817 min Scan# 1714
Delta R.T. 0.000 min
Lab File: r1934359.D
Acq: 8 May 2025 2:13 AM

Tgt	Ion	Resp	Lower	Upper
91	100	885776		
92	66.8	53.5	80.3	





#72

2-hexanone

Concen: 0.54 ppbV m

RT: 14.108 min Scan# 1749

Delta R.T. 0.000 min

Lab File: r1934359.D

Acq: 8 May 2025 2:13 AM

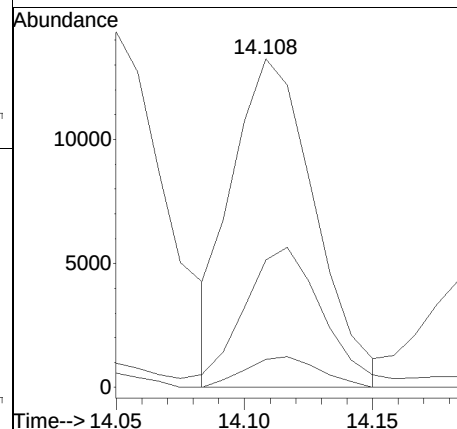
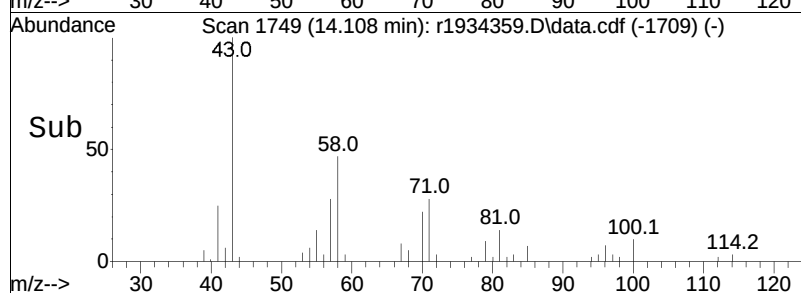
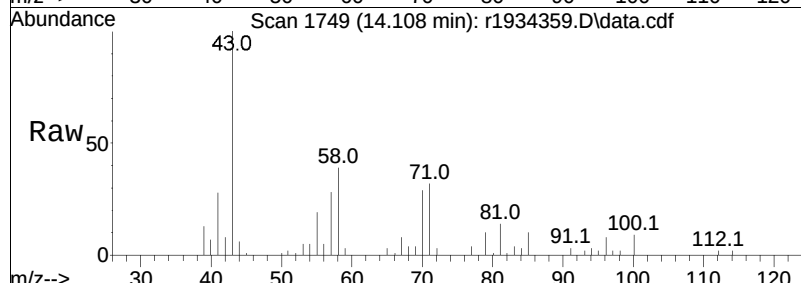
Tgt Ion: 43 Resp: 29663

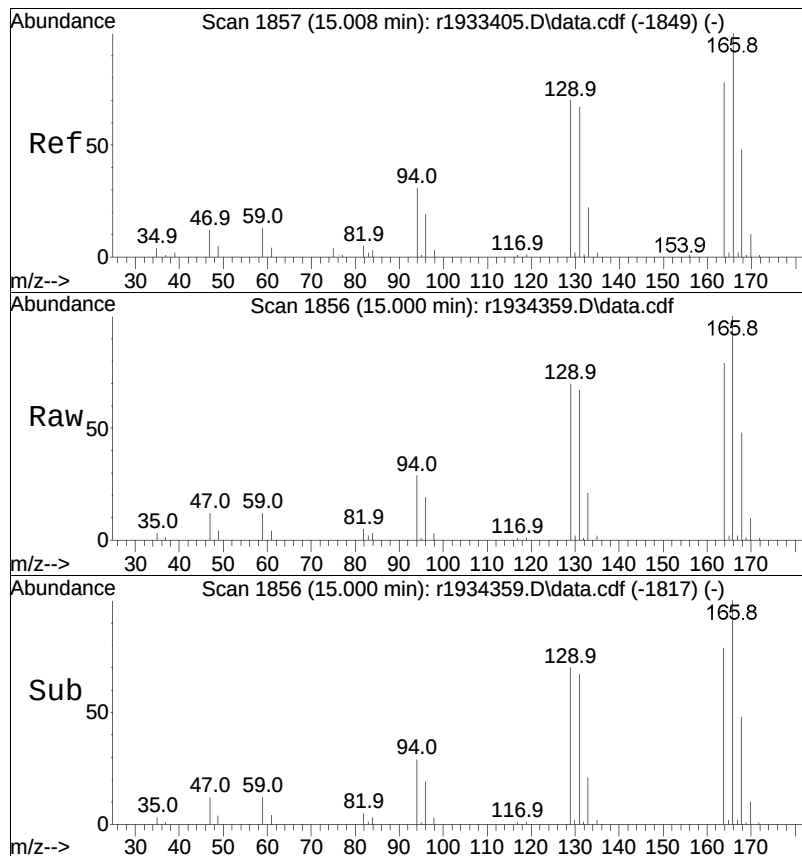
Ion Ratio Lower Upper

43 100

58 38.8 65.2 97.8#

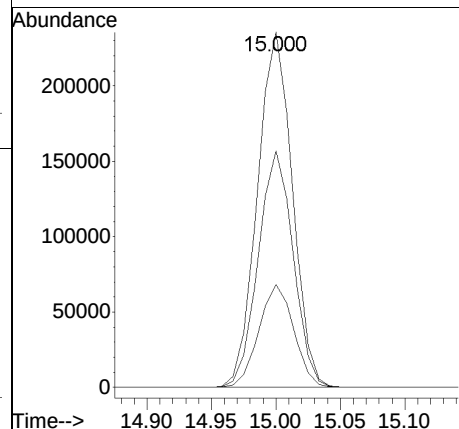
100 8.5 15.7 23.5#

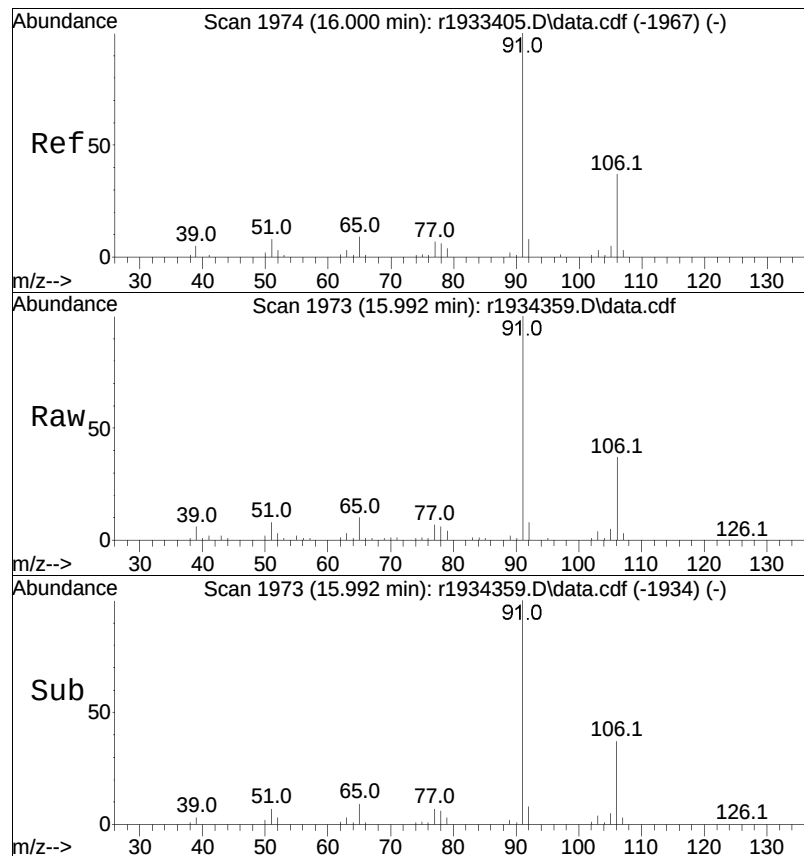




#78
 tetrachloroethene
 Concen: 10.08 ppbV
 RT: 15.000 min Scan# 1856
 Delta R.T. -0.008 min
 Lab File: r1934359.D
 Acq: 8 May 2025 2:13 AM

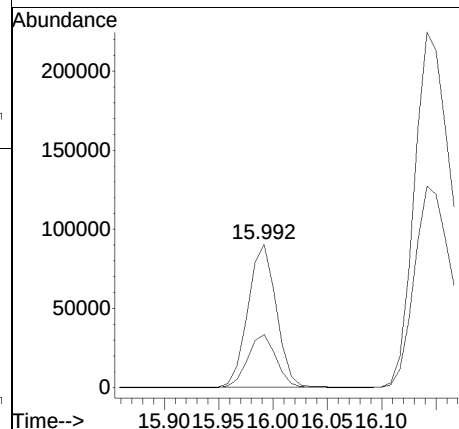
Tgt	Ion:166	Resp:	444489
Ion	Ratio	Lower	Upper
166	100		
131	66.6	53.6	80.4
94	29.0	24.4	36.6

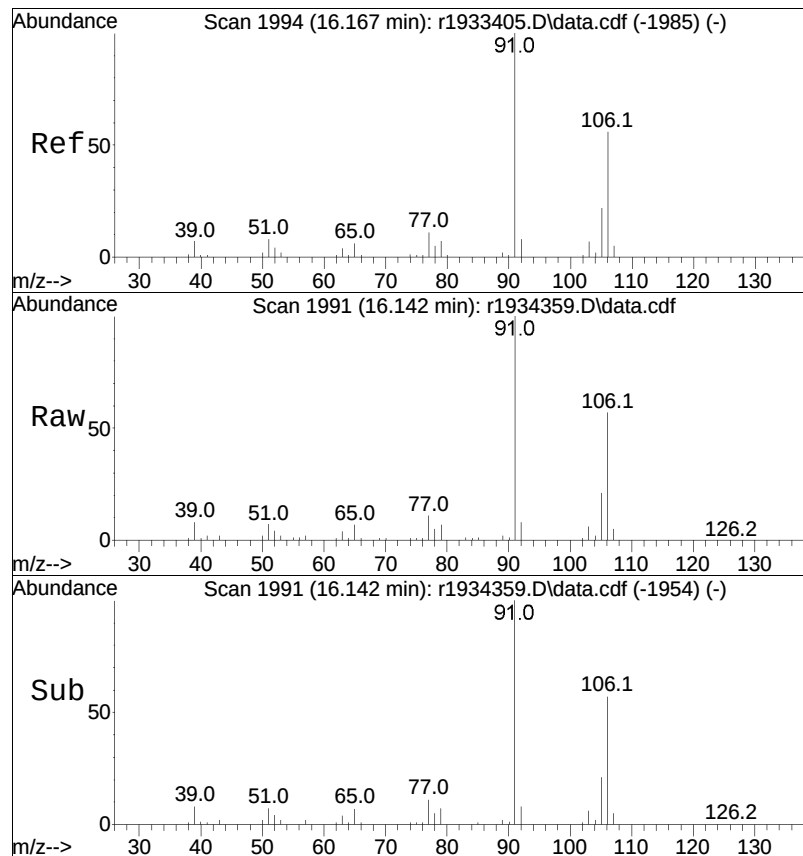




#81
ethylbenzene
Concen: 1.25 ppbV
RT: 15.992 min Scan# 1973
Delta R.T. -0.008 min
Lab File: r1934359.D
Acq: 8 May 2025 2:13 AM

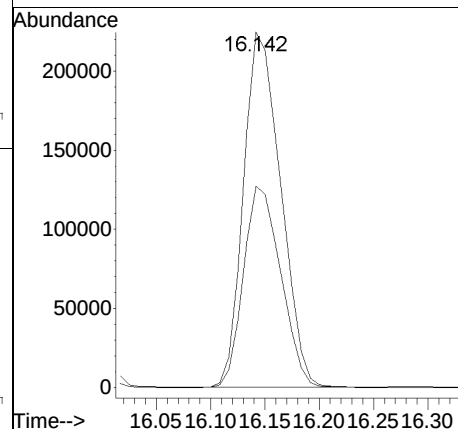
Tgt Ion	Ratio	Lower	Upper
91	100		
106	37.1	29.3	43.9

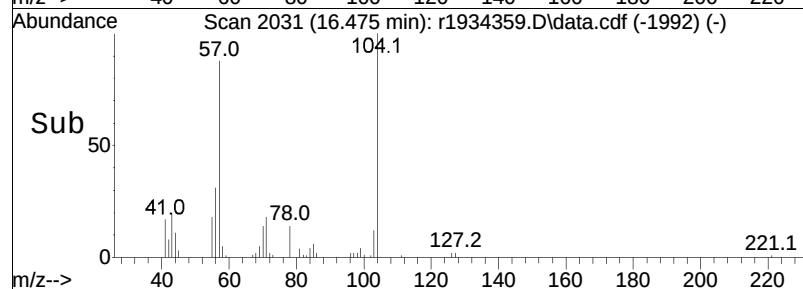
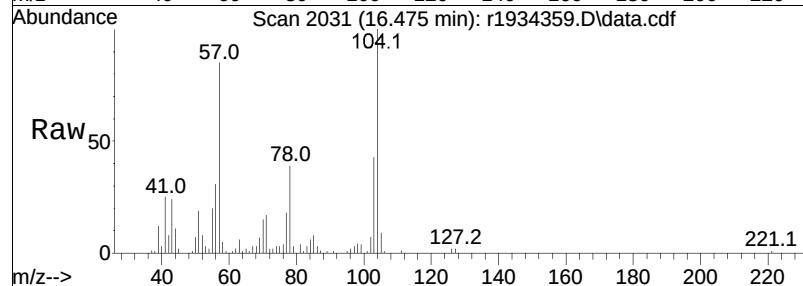
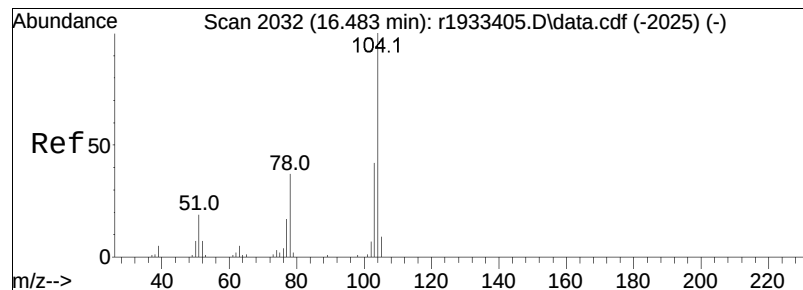




#83
 m+p-xylene
 Concen: 5.13 ppbV
 RT: 16.142 min Scan# 1991
 Delta R.T. -0.025 min
 Lab File: r1934359.D
 Acq: 8 May 2025 2:13 AM

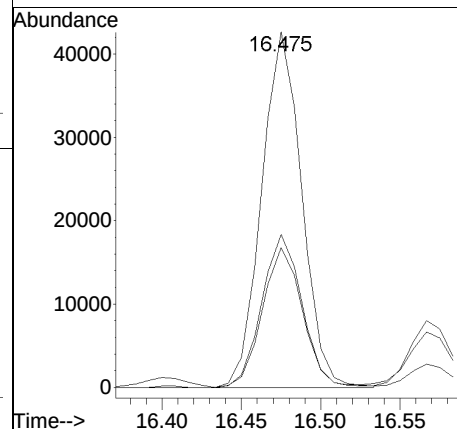
Tgt Ion:	91	106	Ratio	Lower	Upper
Resp:	534297				
Ion Ratio	100	56.7		44.6	67.0

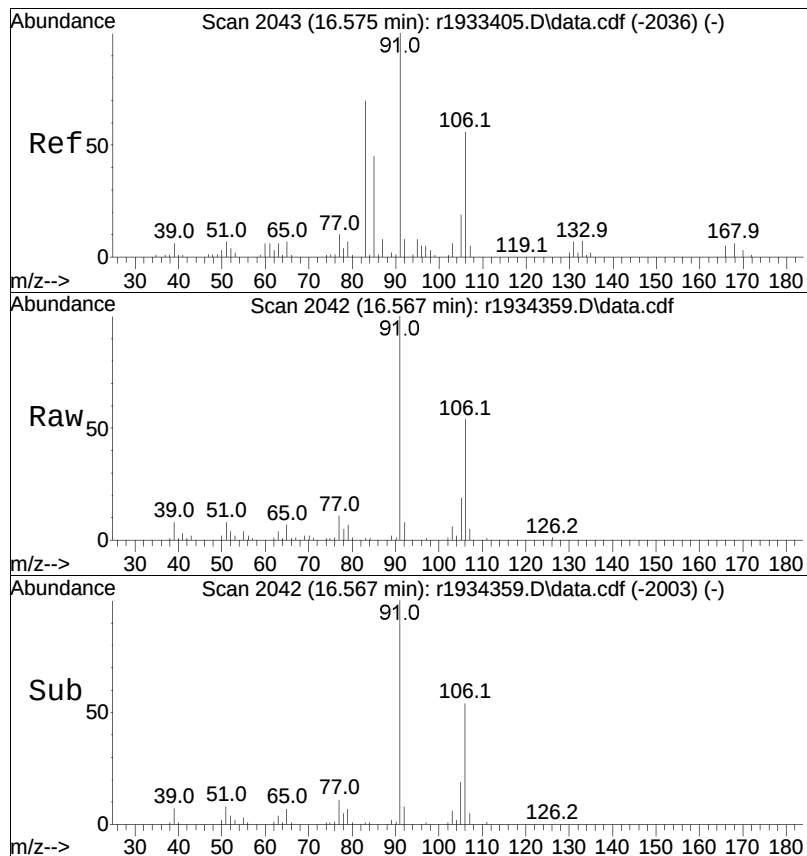




#85
styrene
Concen: 0.87 ppbV
RT: 16.475 min Scan# 2031
Delta R.T. -0.008 min
Lab File: r1934359.D
Acq: 8 May 2025 2:13 AM

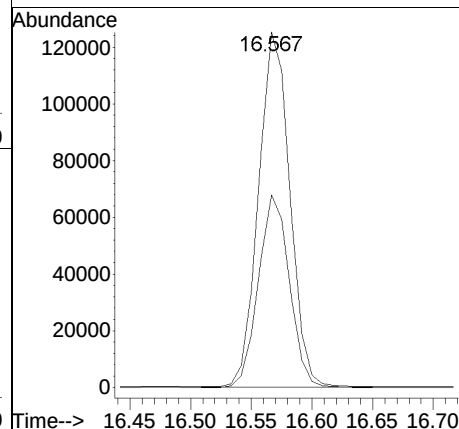
Tgt Ion	Ratio	Lower	Upper
104	100		
103	43.0	33.8	50.6
78	39.3	29.9	44.9

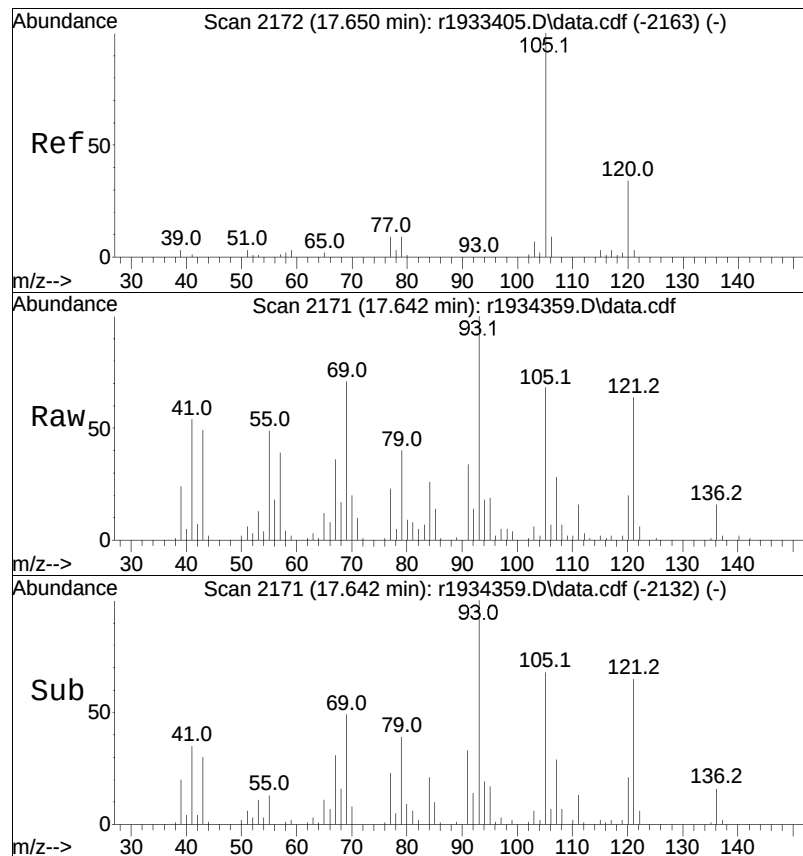




#87
 o-xylene
 Concen: 2.20 ppbV
 RT: 16.567 min Scan# 2042
 Delta R.T. -0.008 min
 Lab File: r1934359.D
 Acq: 8 May 2025 2:13 AM

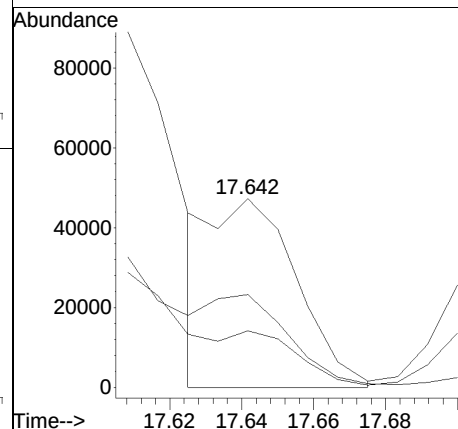
Tgt Ion: 91 Resp: 223720
 Ion Ratio Lower Upper
 91 100
 106 54.2 44.5 66.7

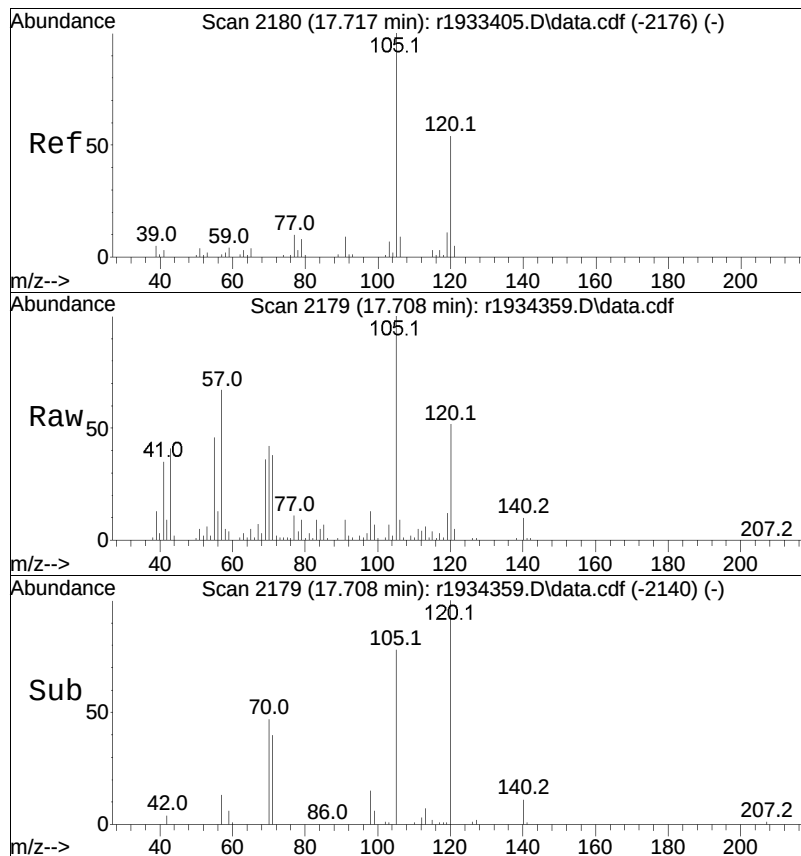




#96
 4-ethyl toluene
 Concen: 0.58 ppbV m
 RT: 17.642 min Scan# 2171
 Delta R.T. -0.008 min
 Lab File: r1934359.D
 Acq: 8 May 2025 2:13 AM

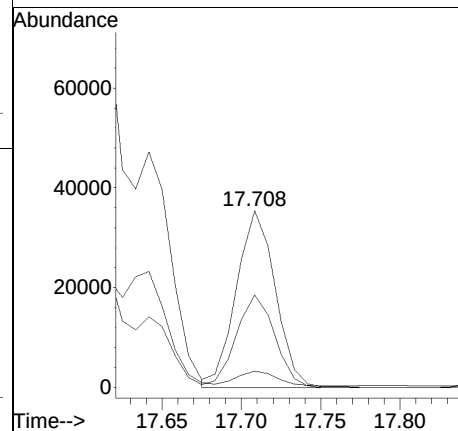
Tgt Ion	Ratio	Lower	Upper
105	100		
120	30.0	27.0	40.6
91	49.2	7.8	11.8#

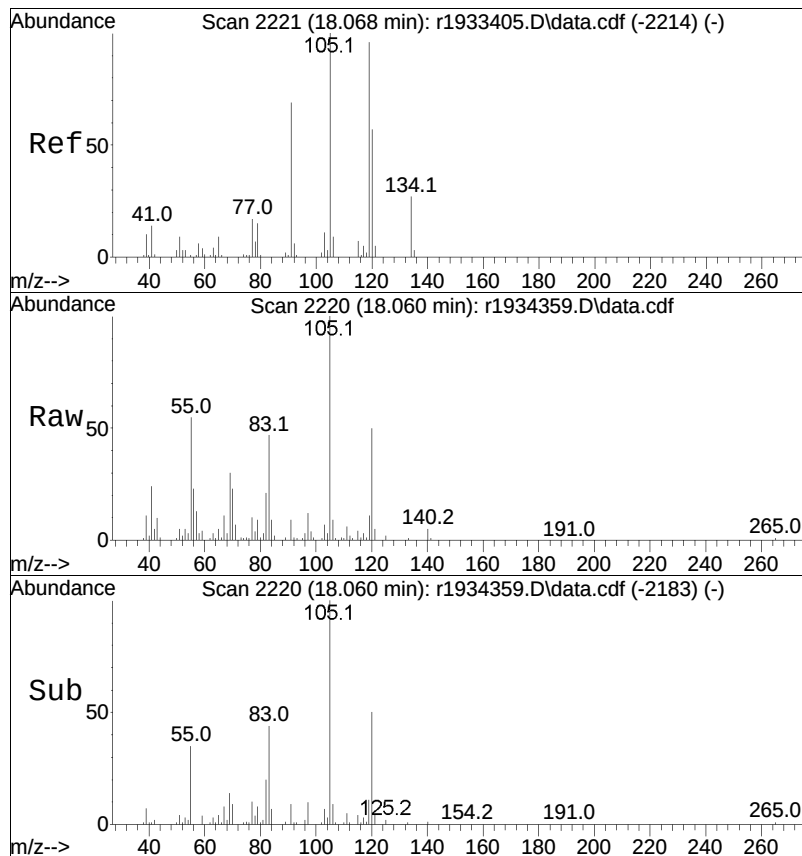




#97
 1,3,5-trimethylbenzene
 Concen: 0.52 ppbV
 RT: 17.708 min Scan# 2179
 Delta R.T. -0.008 min
 Lab File: r1934359.D
 Acq: 8 May 2025 2:13 AM

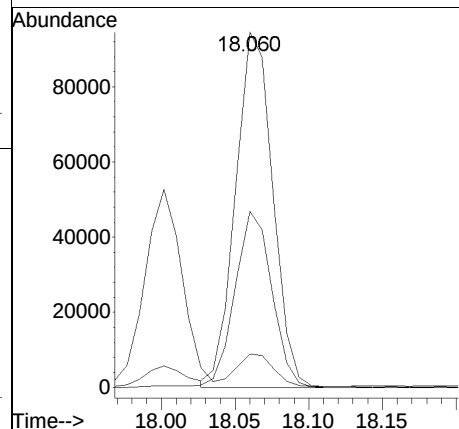
Tgt Ion:	105	Resp:	60621
Ion Ratio	Lower	Upper	
105	100		
120	52.3	42.5	63.7
91	9.2	7.4	11.2

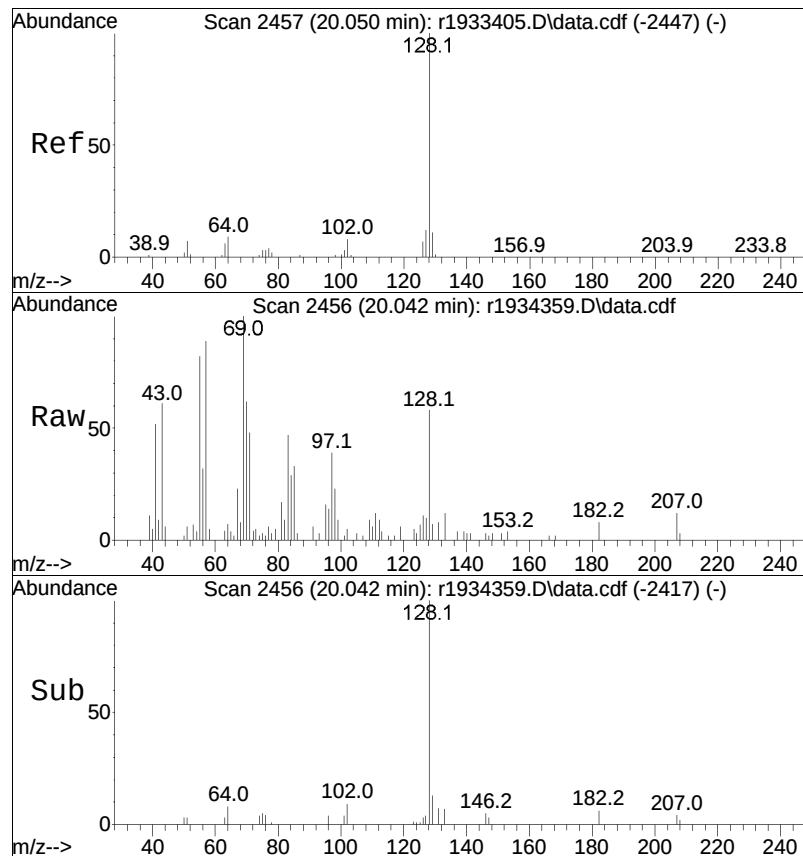




#99
 1,2,4-trimethylbenzene
 Concen: 1.42 ppbV
 RT: 18.060 min Scan# 2220
 Delta R.T. -0.008 min
 Lab File: r1934359.D
 Acq: 8 May 2025 2:13 AM

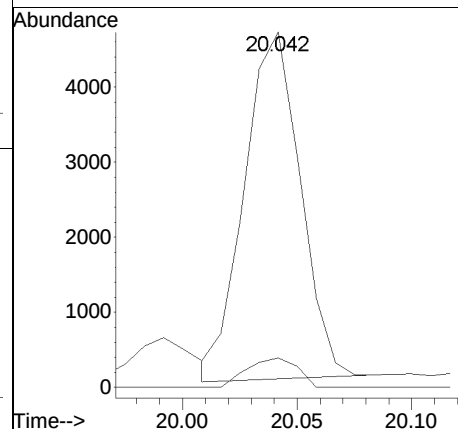
Tgt	Ion	Ratio	Lower	Upper
105	105	100		
120	49.5		45.8	68.6
91	9.4		55.0	82.6#





#116
 naphthalene
 Concen: 0.07 ppbV
 RT: 20.042 min Scan# 2456
 Delta R.T. -0.008 min
 Lab File: r1934359.D
 Acq: 8 May 2025 2:13 AM

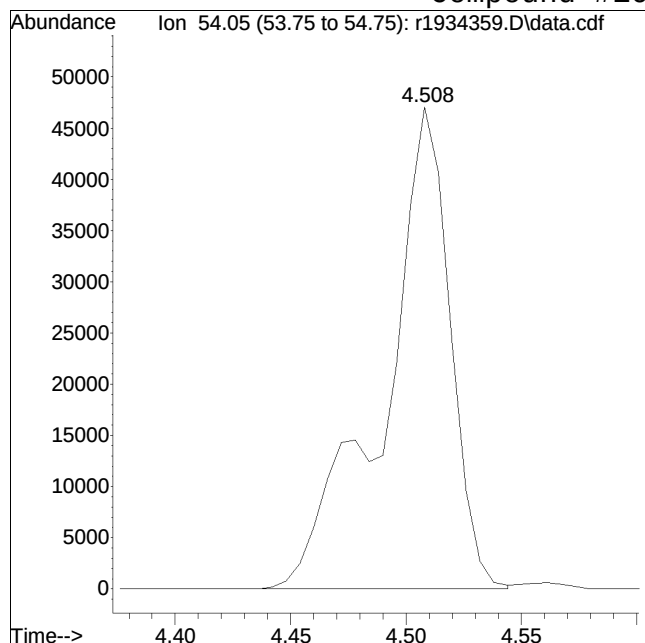
Tgt	Ion	Ratio	Lower	Upper
128	100			
102	8.3		6.2	9.2



Manual Integration Report

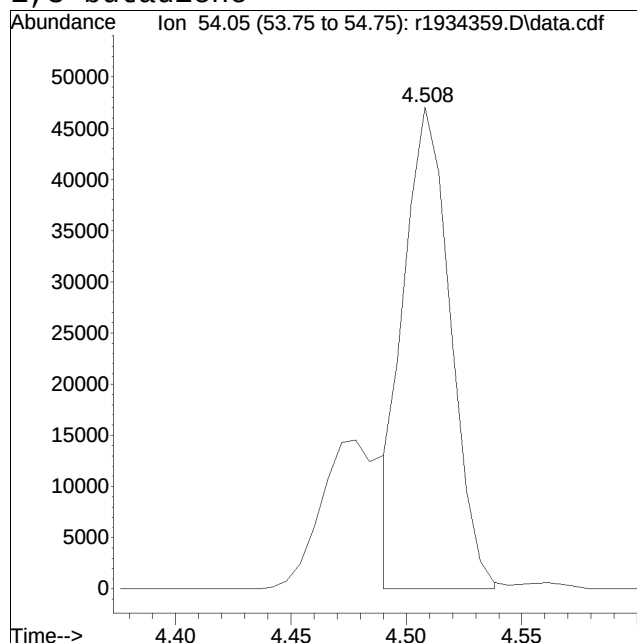
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934359.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 2:13 AM Instrument :
Sample : L2525337-03,3,250,250 Quant Date : 5/8/2025 6:19 am

Compound #10: 1,3-butadiene



Original Peak Response = 93329

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

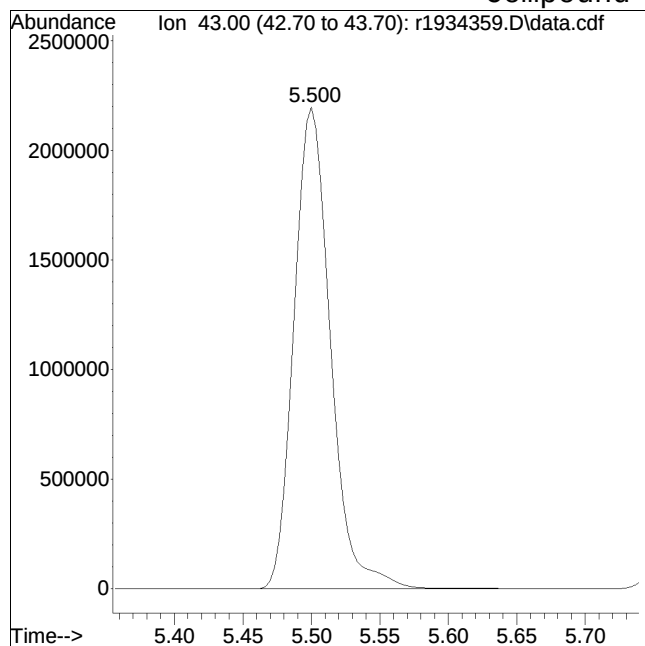


Manual Peak Response = 66352 M6

Manual Integration Report

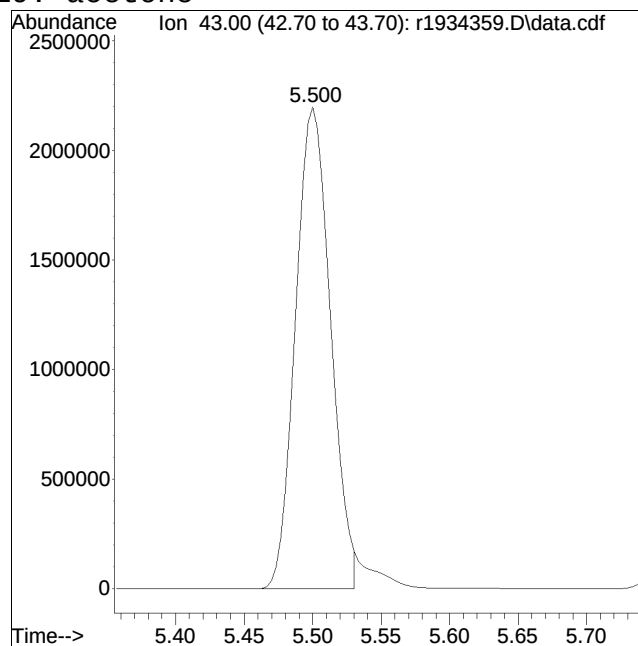
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934359.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 2:13 AM Instrument :
Sample : L2525337-03,3,250,250 Quant Date : 5/8/2025 6:19 am

Compound #19: acetone



Original Peak Response = 4080989

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

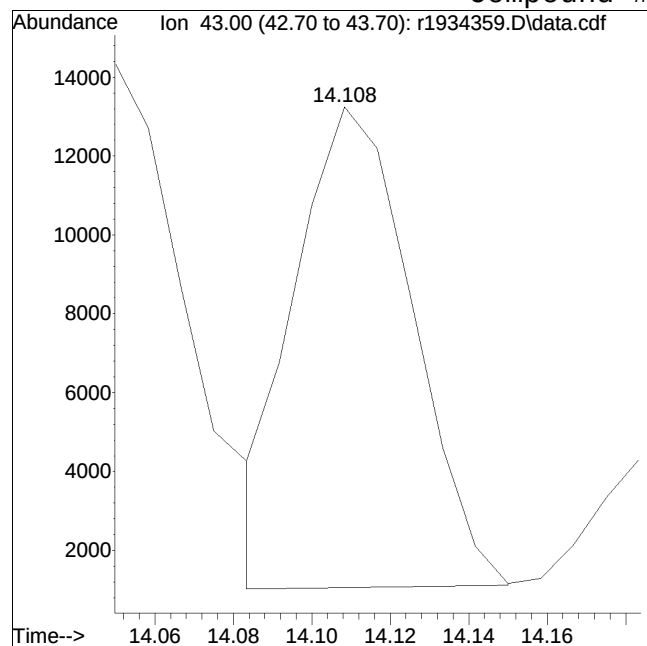


Manual Peak Response = 3907451 M6

Manual Integration Report

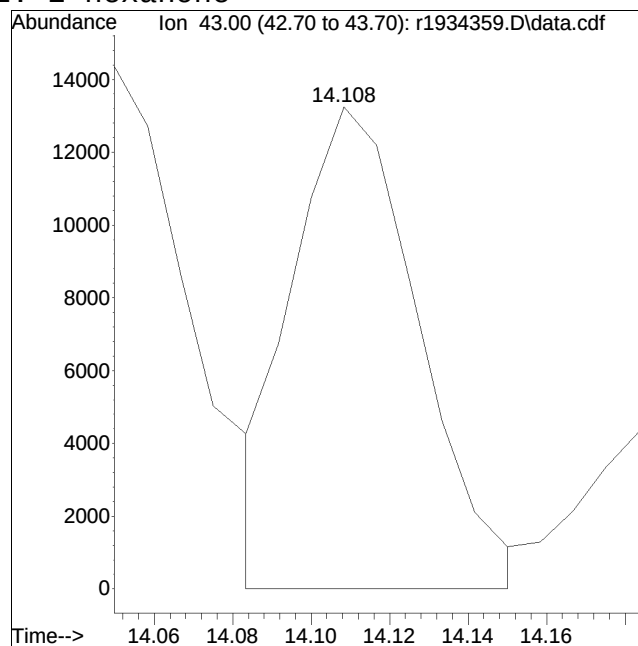
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934359.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 2:13 AM Instrument :
Sample : L2525337-03,3,250,250 Quant Date : 5/8/2025 6:19 am

Compound #72: 2-hexanone



Original Peak Response = 25389

M4 = Poor automated baseline construction.

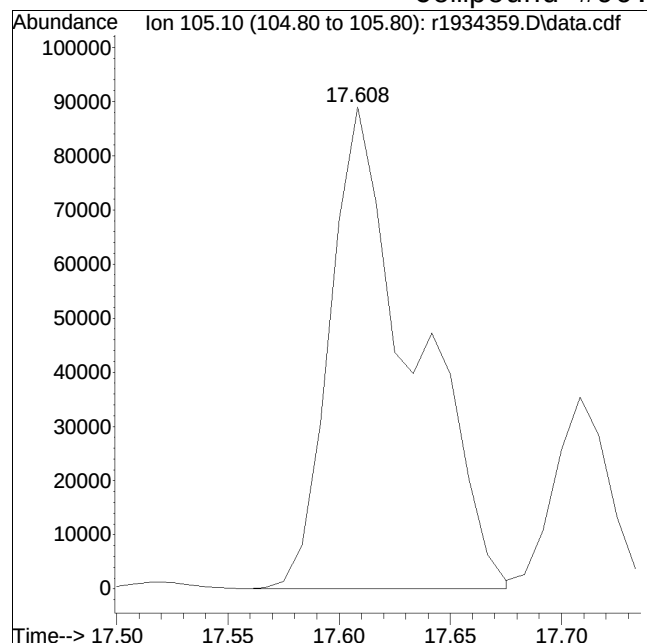


Manual Peak Response = 29663 M4

Manual Integration Report

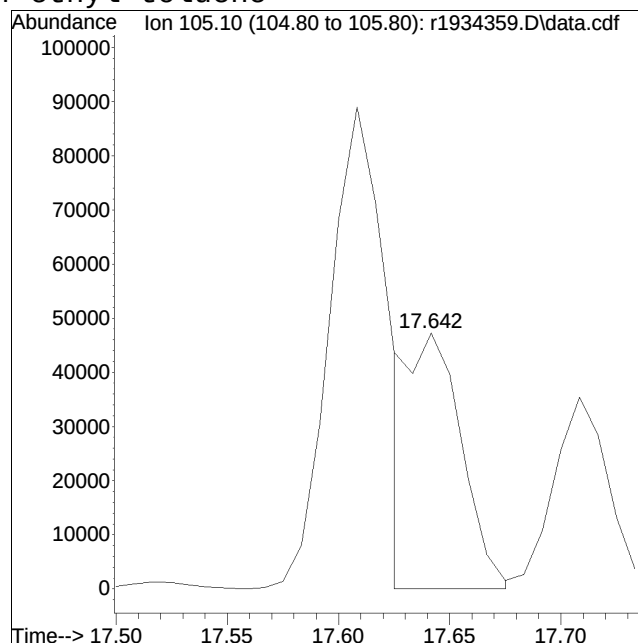
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934359.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 2:13 AM Instrument :
Sample : L2525337-03,3,250,250 Quant Date : 5/8/2025 6:19 am

Compound #96: 4-ethyl toluene



Original Peak Response = 233778

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 77508 M6

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934360.D
 Acq On : 8 May 2025 2:52 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-04,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:19:36 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

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

Internal Standards						
1) bromochloromethane	8.783	49	334180	10.000	ppbV	0.00
Standard Area = 339843			Recovery =		98.33%	
43) 1,4-difluorobenzene	10.923	114	960735	10.000	ppbV	0.00
Standard Area = 931395			Recovery =		103.15%	
67) chlorobenzene-D5	15.600	54	137905	10.000	ppbV	0.00
Standard Area = 169143			Recovery =		81.53%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	4.070	85	20253	0.456	ppbV	99
6) chloromethane	4.220	50	4220	0.250	ppbV	98
7) Freon-114	0.000		0	N.D.		
9) vinyl chloride	0.000		0	N.D.		
10) 1,3-butadiene	4.556	54	122958M6	6.442	ppbV	
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	5.090	31	200425	10.031	ppbV	90
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.553	43	3771051	107.348	ppbV	97
21) trichlorofluoromethane	5.730	101	8756	0.205	ppbV	99
22) isopropyl alcohol	5.800	45	358225	8.832	ppbV	99
26) 1,1-dichloroethene	0.000		0	N.D.	d	
27) tertiary butyl alcohol	6.404	59	661683	10.441	ppbV #	92
28) methylene chloride	6.518	49	1762	0.066	ppbV	93
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	6.788	76	53355	0.730	ppbV #	65
31) Freon 113	6.794	101	3776	0.077	ppbV	95
32) trans-1,2-dichloroethene	7.500	61	3468	0.078	ppbV	98
33) 1,1-dichloroethane	0.000		0	N.D.	d	
34) MTBE	0.000		0	N.D.	d	
36) 2-butanone	8.117	43	151683	2.701	ppbV	98
37) cis-1,2-dichloroethene	8.608		0	N.D.		
38) Ethyl Acetate	0.000		0	N.D.	d	
39) chloroform	8.933	83	4771	0.109	ppbV #	92
40) Tetrahydrofuran	9.358	42	12081	0.379	ppbV	92
42) 1,2-dichloroethane	9.733		0	N.D.		
44) hexane	8.850	57	168625	2.878	ppbV #	19

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934360.D
 Acq On : 8 May 2025 2:52 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-04,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:19:36 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	10.008		0	N.D.		
50) benzene	10.517	78	146122	1.731	ppbV	97
52) carbon tetrachloride	10.677	117	1444	0.046	ppbV #	91
53) cyclohexane	10.817	56	24478	0.435	ppbV #	93
56) 1,2-dichloropropane	11.430		0	N.D.		
57) bromodichloromethane	0.000		0	N.D.	d	
58) 1,4-dioxane	11.703		0	N.D.		
59) trichloroethene	11.703	130	805999	21.964	ppbV	99
60) 2,2,4-trimethylpentane	11.750	57	65191	0.391	ppbV #	45
62) heptane	12.057	43	104039	1.984	ppbV	92
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.725	43	28271	0.467	ppbV	94
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	13.483		0	N.D.		
68) toluene	13.817	91	1052670	10.760	ppbV	100
72) 2-hexanone	14.108	43	38255	0.733	ppbV #	58
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.000	166	513282	12.218	ppbV	96
80) chlorobenzene	0.000		0	N.D.	d	
81) ethylbenzene	15.992	91	211559	1.702	ppbV	97
83) m+p-xylene	16.150	91	712361	7.181	ppbV	98
84) bromoform	0.000		0	N.D.		
85) styrene	16.475	104	99988	1.213	ppbV	100
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
87) o-xylene	16.567	91	294594	3.043	ppbV	99
96) 4-ethyl toluene	17.642	105	96599M6	0.755	ppbV	
97) 1,3,5-trimethylbenzene	17.708	105	80148	0.722	ppbV	98
99) 1,2,4-trimethylbenzene	18.060	105	220553	1.970	ppbV #	55
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	18.193		0	N.D.		
103) 1,4-dichlorobenzene	18.252		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.033	128	5977	0.055	ppbV #	94
119) hexachlorobutadiene	0.000		0	N.D.		

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934360.D
 Acq On : 8 May 2025 2:52 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-04,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:19:36 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

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

Sub List : T015-NY+Naphthalene - .\2025\05\0507T\r1934340.D

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\

Data File : r1934360.D

Acq On : 8 May 2025 2:52 AM

Operator : AIRLAB19:TPH

Sample : L2525337-04,3,250,250

Misc : WG2063684,ICAL22124

ALS Vial : 0 Sample Multiplier: 1

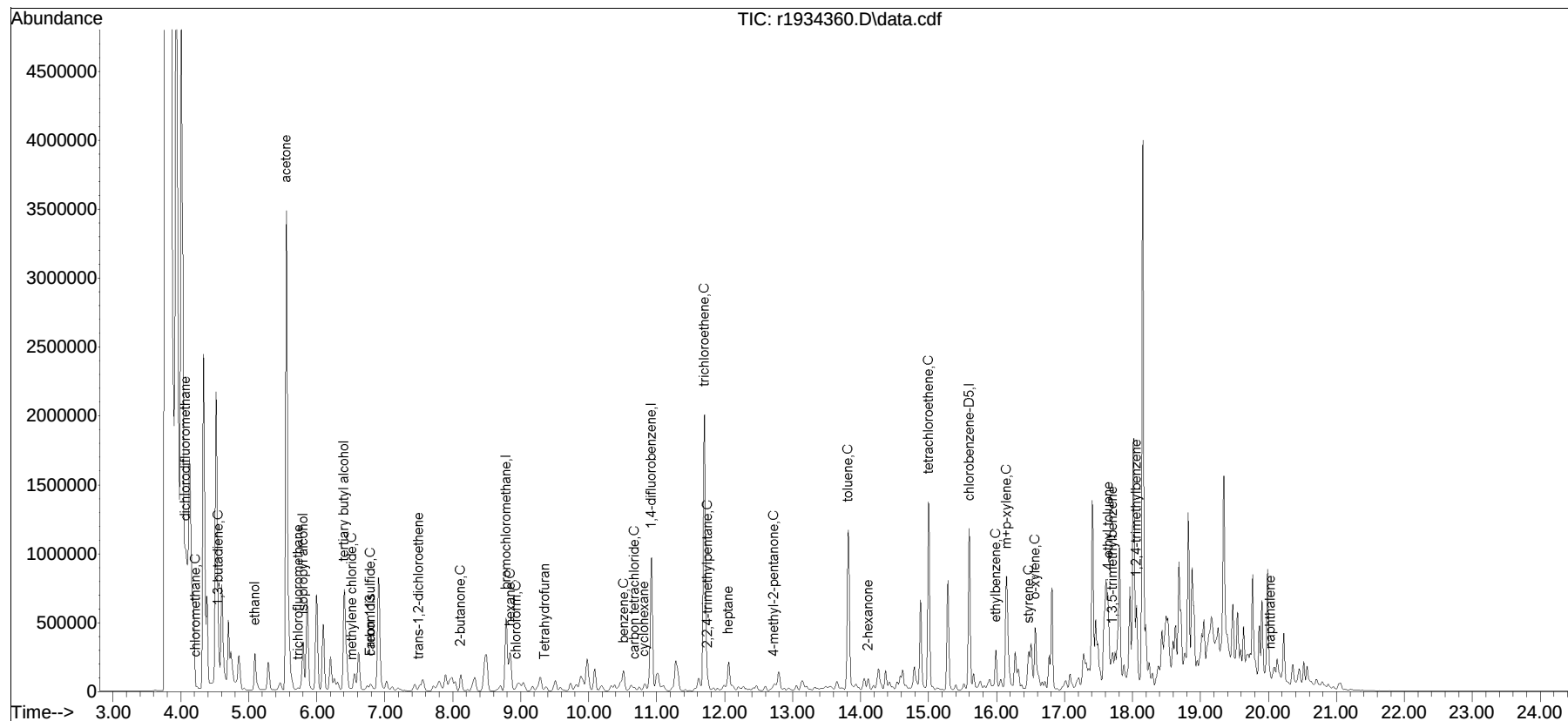
Quant Time: May 08 06:19:36 2025

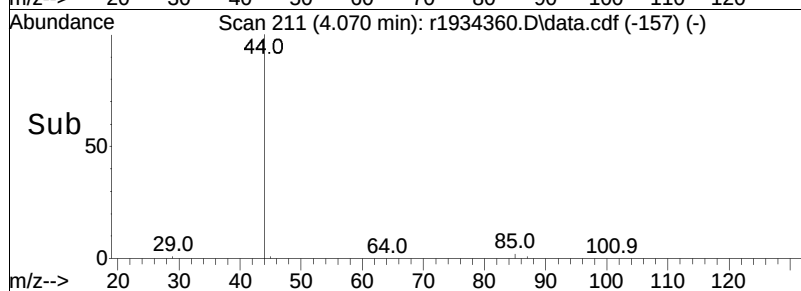
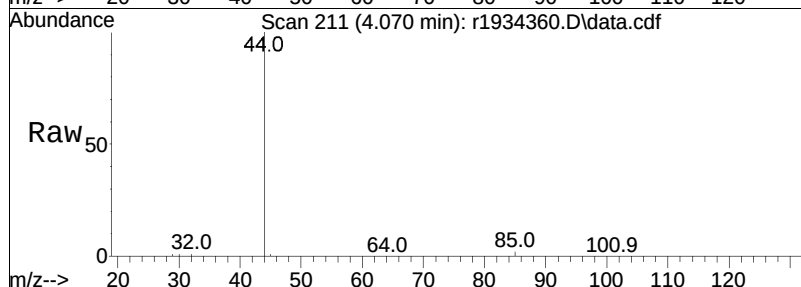
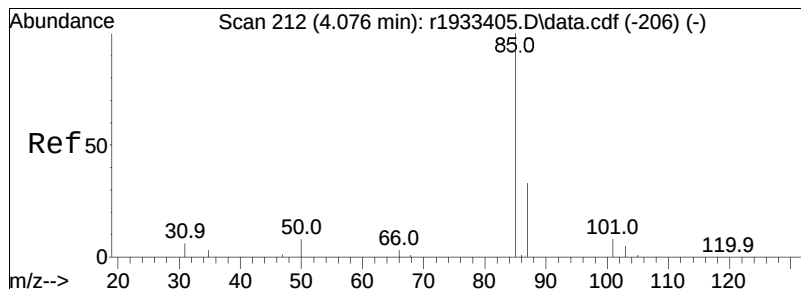
Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M

Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis

QLast Update : Sun Mar 30 07:46:23 2025

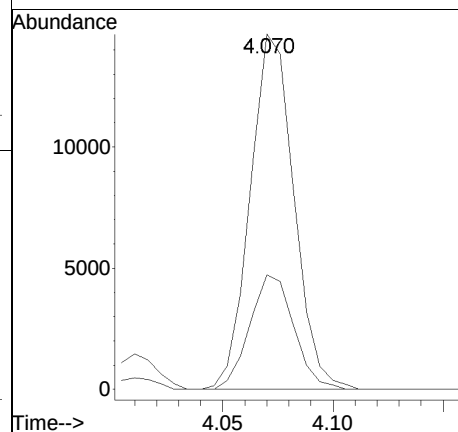
Response via : Initial Calibration

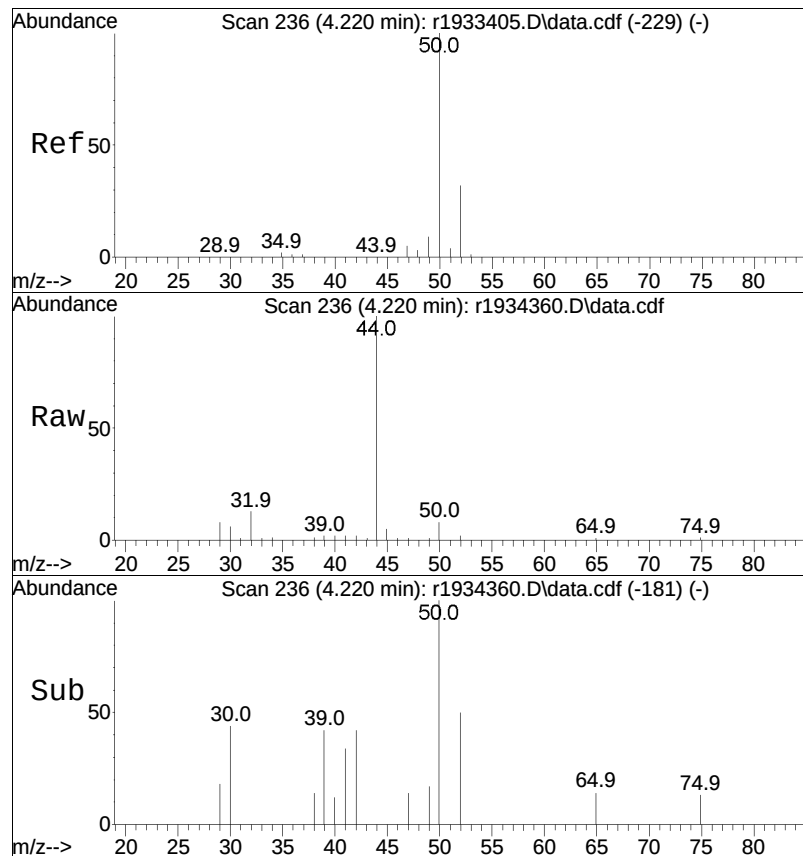




#5
 dichlorodifluoromethane
 Concen: 0.46 ppbV
 RT: 4.070 min Scan# 211
 Delta R.T. -0.006 min
 Lab File: r1934360.D
 Acq: 8 May 2025 2:52 AM

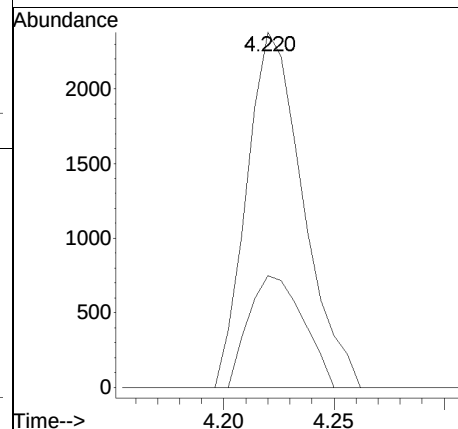
Tgt Ion: 85 Resp: 20253
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.2 39.4

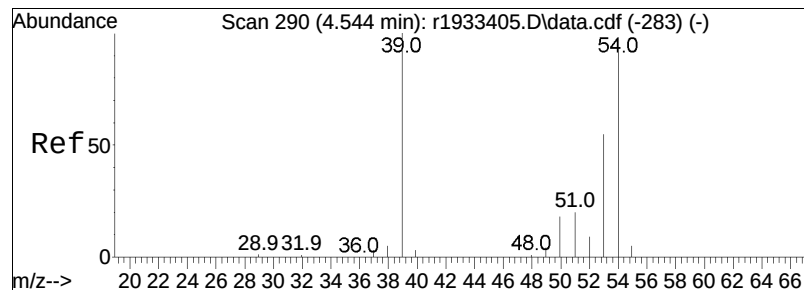




#6
 chloromethane
 Concen: 0.25 ppbV
 RT: 4.220 min Scan# 236
 Delta R.T. 0.000 min
 Lab File: r1934360.D
 Acq: 8 May 2025 2:52 AM

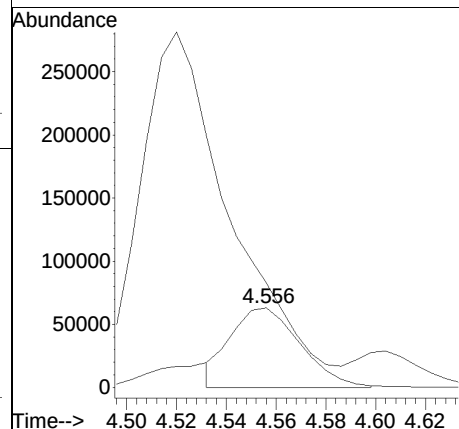
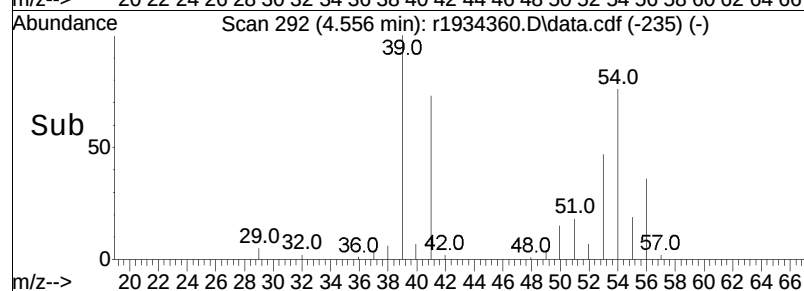
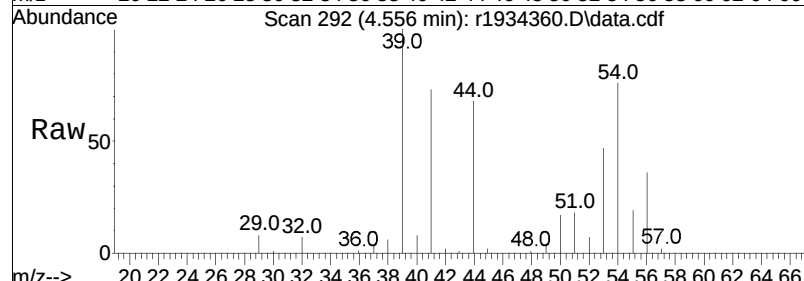
Tgt Ion	Ratio	Lower	Upper
50	100		
52	31.5	25.9	38.9

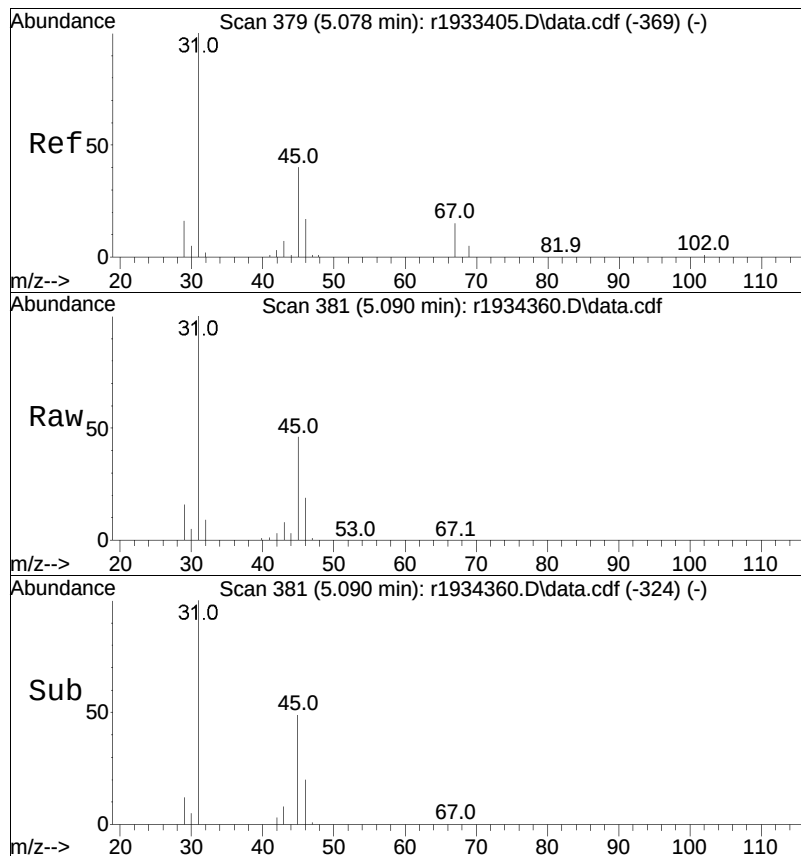




#10
 1,3-butadiene
 Concen: 6.44 ppbV m
 RT: 4.556 min Scan# 292
 Delta R.T. 0.012 min
 Lab File: r1934360.D
 Acq: 8 May 2025 2:52 AM

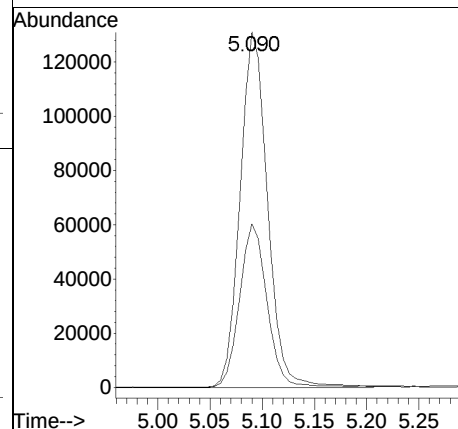
Tgt Ion	Ratio	Lower	Upper
54	100		
39	131.5	84.2	126.4#

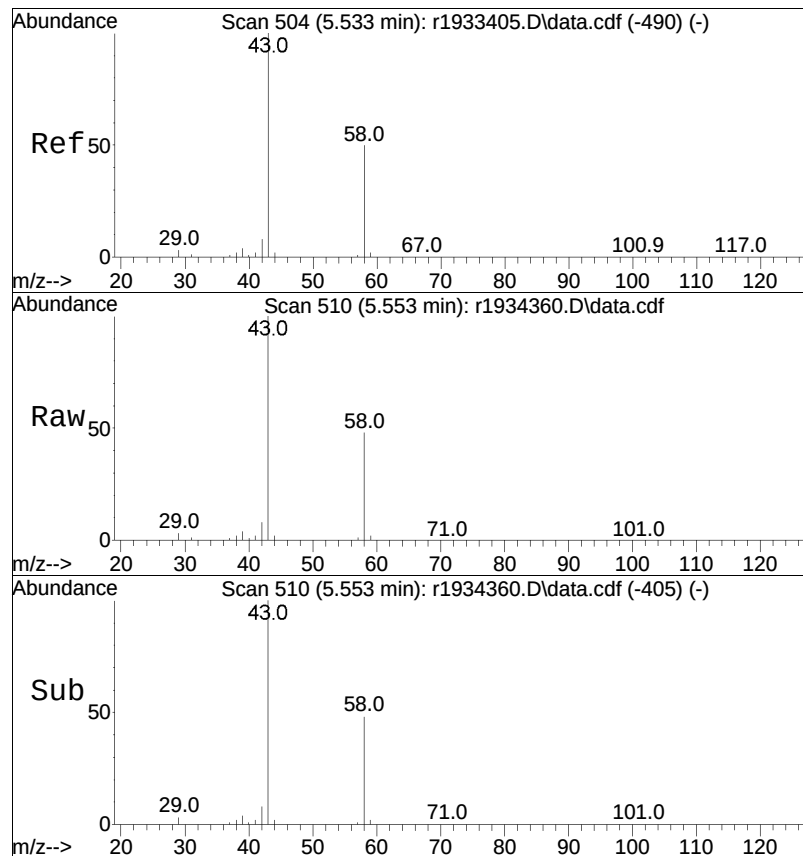




#15
 ethanol
 Concen: 10.03 ppbV
 RT: 5.090 min Scan# 381
 Delta R.T. 0.012 min
 Lab File: r1934360.D
 Acq: 8 May 2025 2:52 AM

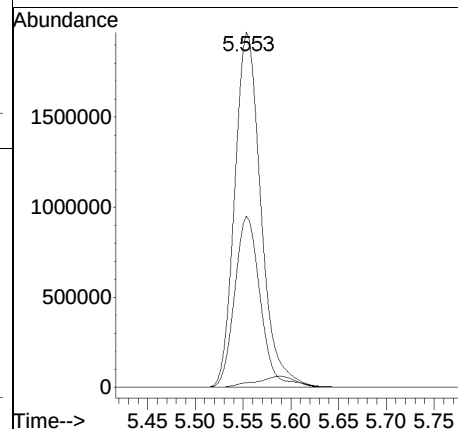
Tgt Ion:	31	45	Ratio	100	46.0	Resp:	200425	Lower	31.8	Upper	47.8
Ion	31	45	Ratio	100	46.0	Resp:	200425	Lower	31.8	Upper	47.8

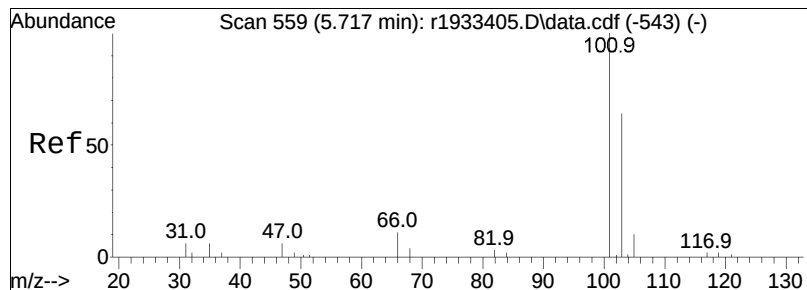




#19
 acetone
 Concen: 107.35 ppbV
 RT: 5.553 min Scan# 510
 Delta R.T. 0.020 min
 Lab File: r1934360.D
 Acq: 8 May 2025 2:52 AM

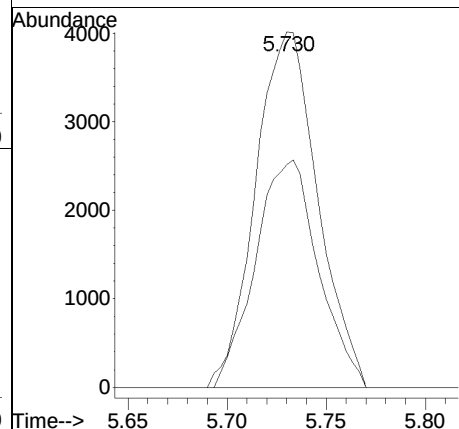
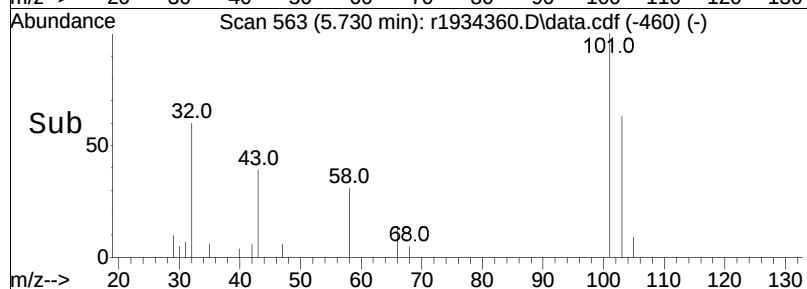
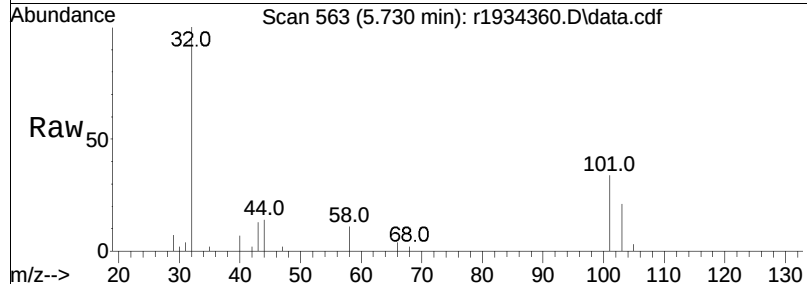
Tgt Ion:	43	Resp:	3771051
Ion	Ratio	Lower	Upper
43	100		
58	48.2	40.4	60.6
57	1.3	1.0	1.4

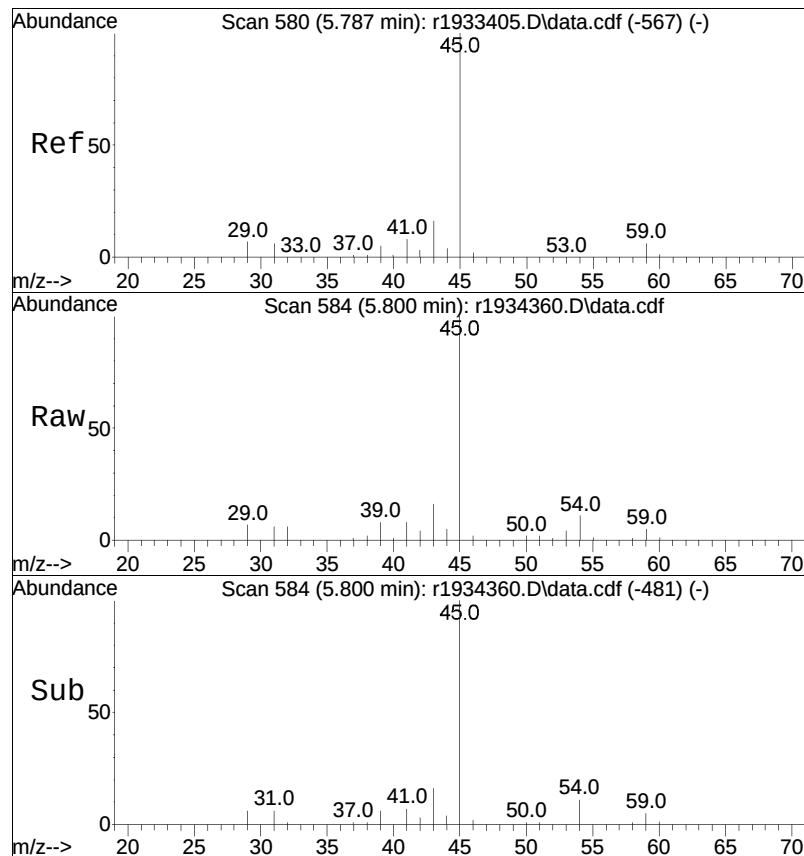




#21
trichlorofluoromethane
Concen: 0.20 ppbV
RT: 5.730 min Scan# 563
Delta R.T. 0.013 min
Lab File: r1934360.D
Acq: 8 May 2025 2:52 AM

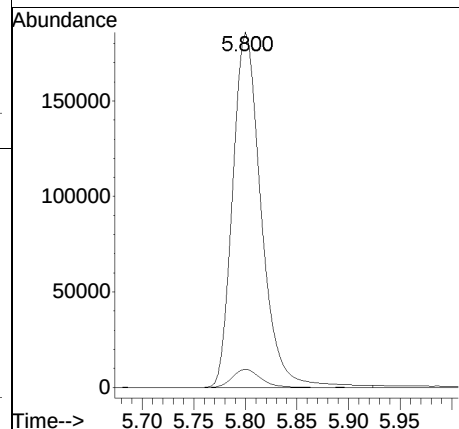
Tgt Ion:101 Resp: 8756
Ion Ratio Lower Upper
101 100
103 62.7 51.0 76.4

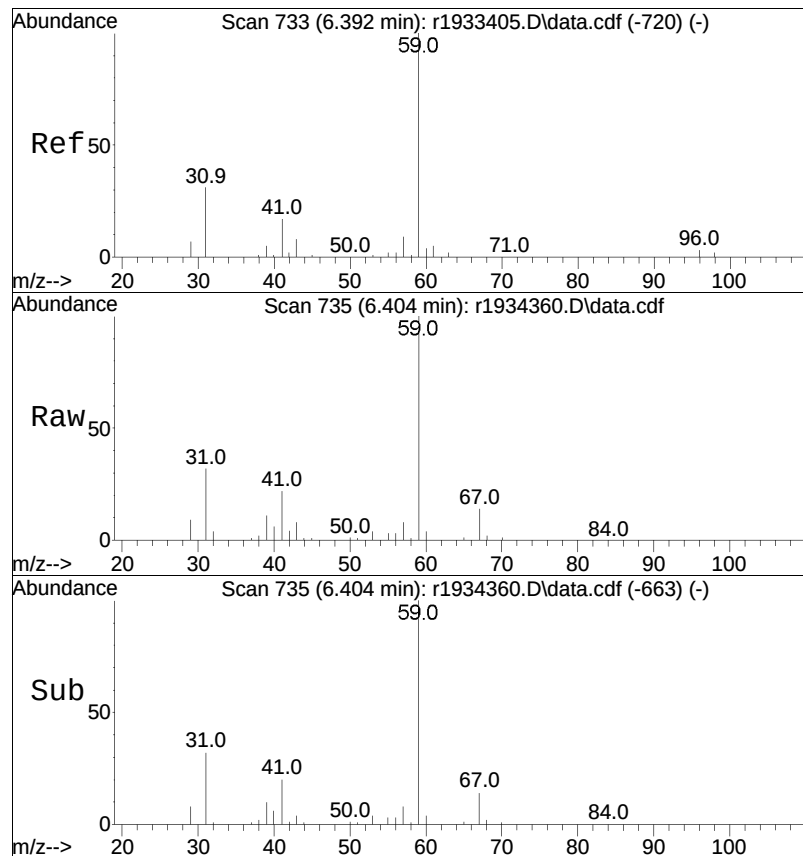




#22
 isopropyl alcohol
 Concen: 8.83 ppbV
 RT: 5.800 min Scan# 584
 Delta R.T. 0.013 min
 Lab File: r1934360.D
 Acq: 8 May 2025 2:52 AM

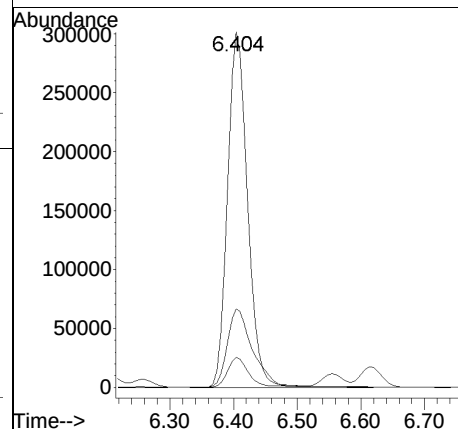
Tgt Ion	Ratio	Lower	Upper
45	100		
59	5.1	4.4	6.6

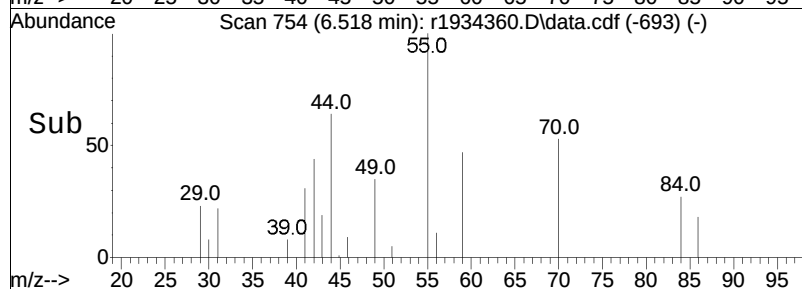
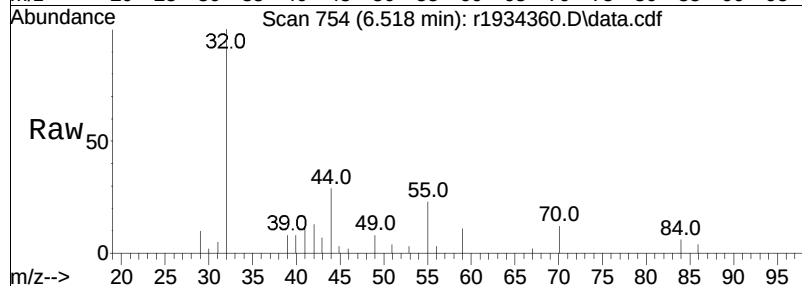
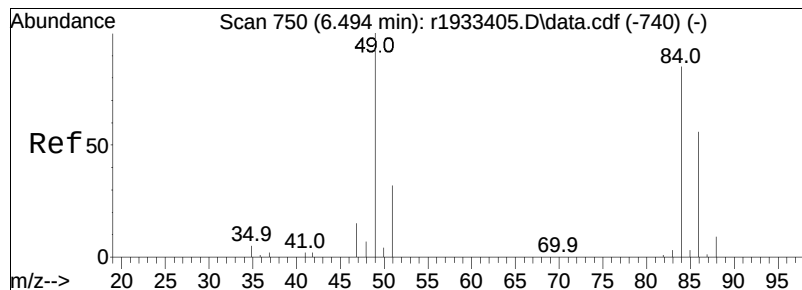




#27
 tertiary butyl alcohol
 Concen: 10.44 ppbV
 RT: 6.404 min Scan# 735
 Delta R.T. 0.012 min
 Lab File: r1934360.D
 Acq: 8 May 2025 2:52 AM

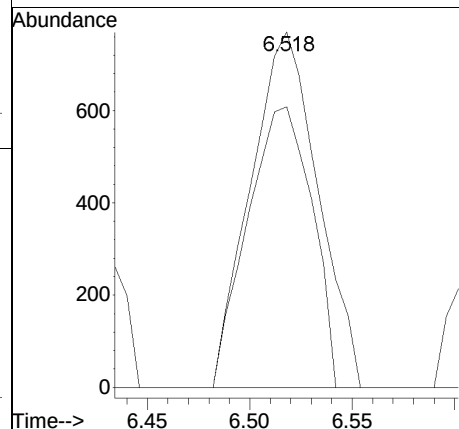
Tgt Ion:	59	Resp:	661683
Ion Ratio	Lower	Upper	
59	100		
41	22.1	14.0	21.0#
43	8.5	6.3	9.5

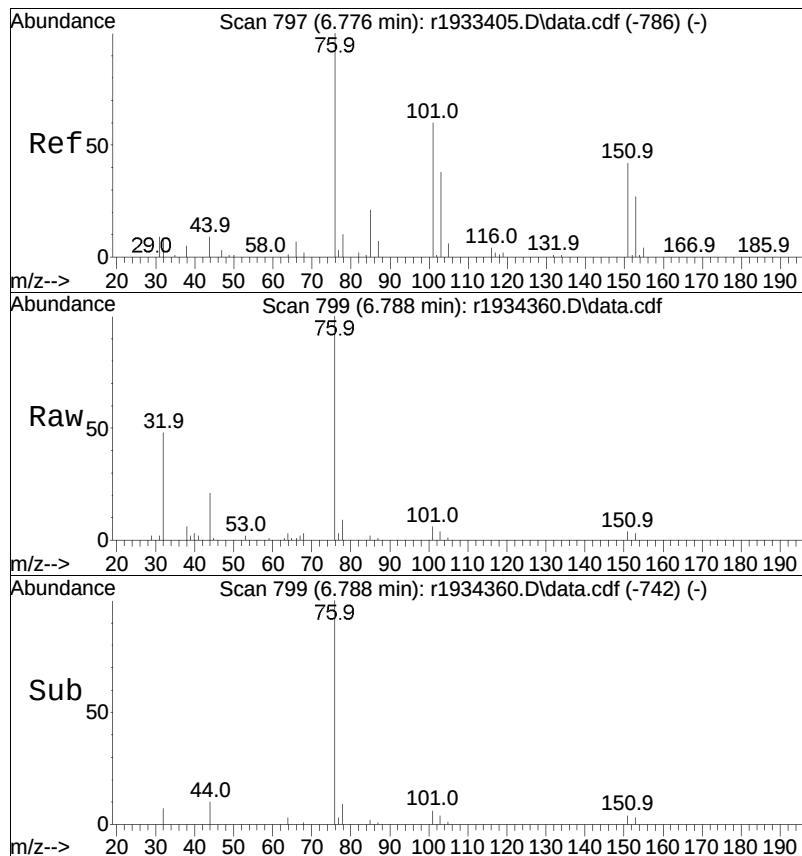




#28
 methylene chloride
 Concen: 0.07 ppbV
 RT: 6.518 min Scan# 754
 Delta R.T. 0.024 min
 Lab File: r1934360.D
 Acq: 8 May 2025 2:52 AM

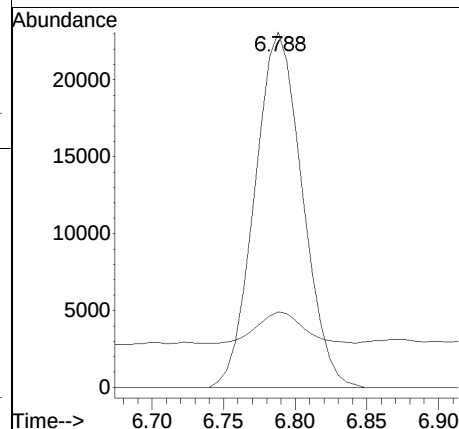
Tgt Ion:	49	84	Resp:	1762
Ion Ratio	100	79.0	Lower	Upper
			68.4	102.6

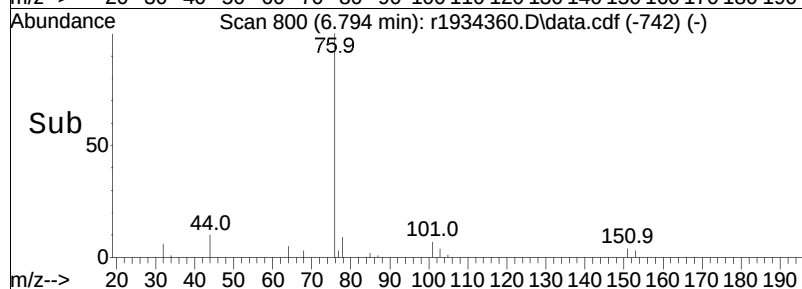
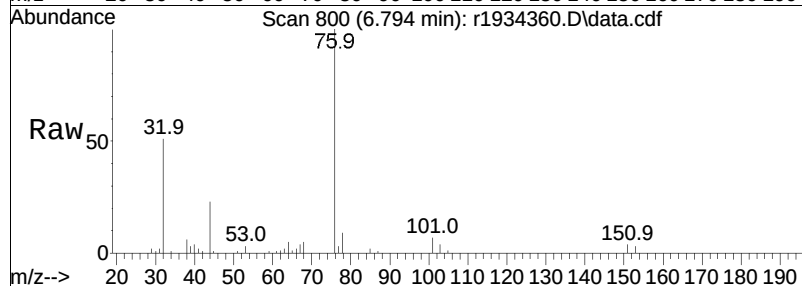
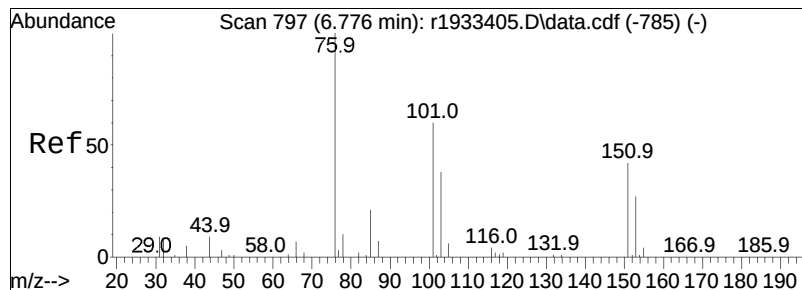




#30
 carbon disulfide
 Concen: 0.73 ppbV
 RT: 6.788 min Scan# 799
 Delta R.T. 0.012 min
 Lab File: r1934360.D
 Acq: 8 May 2025 2:52 AM

Tgt	Ion	Ratio	Lower	Upper
76	100			
44	21.3	7.0	10.6	





#31

Freon 113

Concen: 0.08 ppbV

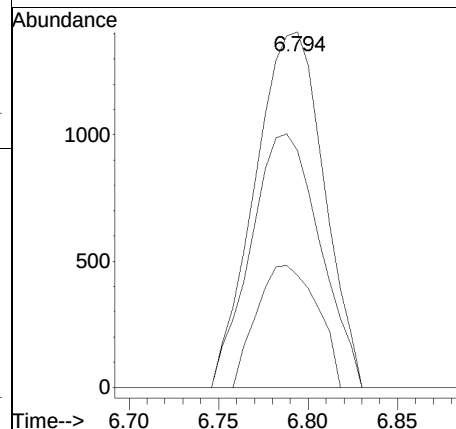
RT: 6.794 min Scan# 800

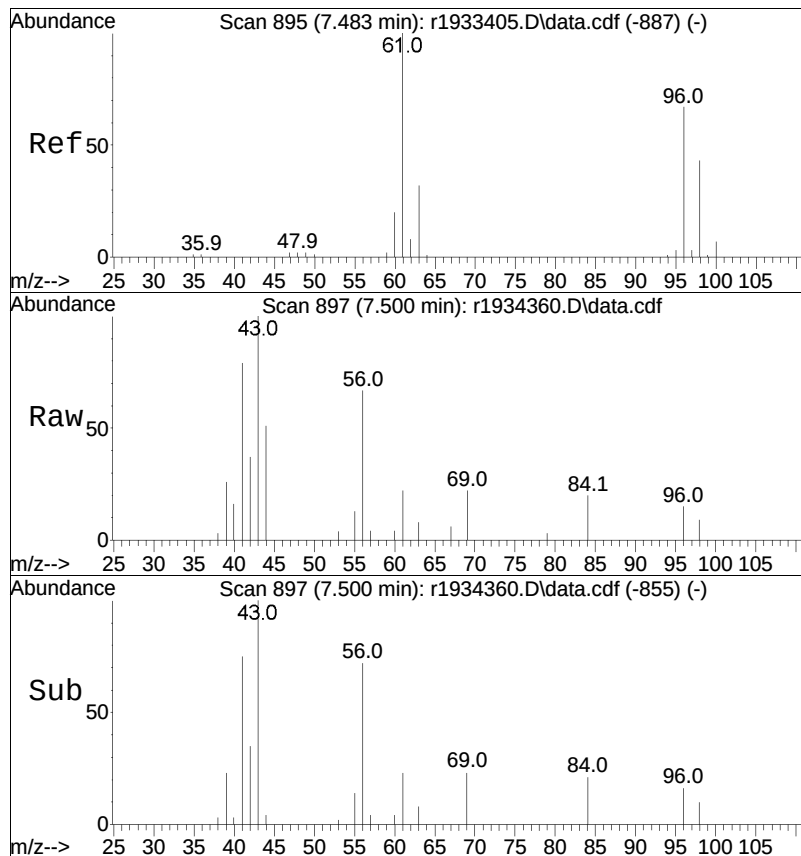
Delta R.T. 0.018 min

Lab File: r1934360.D

Acq: 8 May 2025 2:52 AM

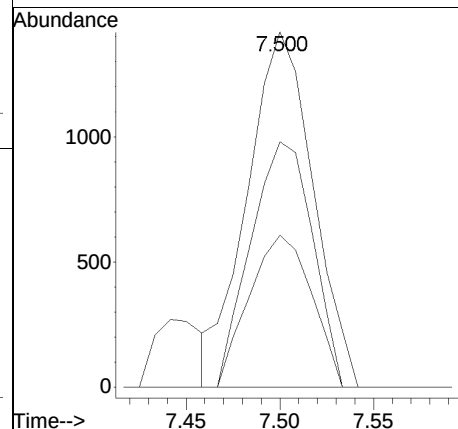
Tgt	Ion:101	Resp:	3776
Ion	Ratio	Lower	Upper
101	100		
85	31.6	27.7	41.5
151	66.6	56.6	85.0

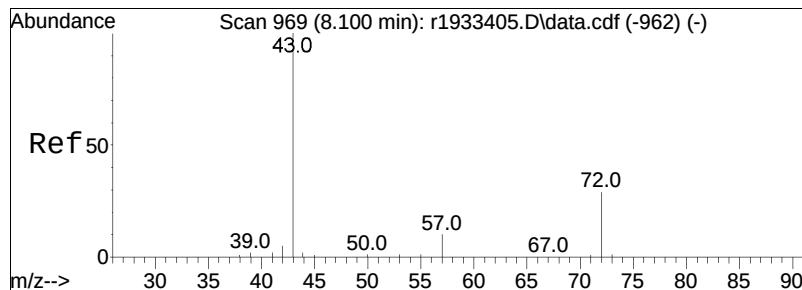




#32
trans-1,2-dichloroethene
Concen: 0.08 ppbV
RT: 7.500 min Scan# 897
Delta R.T. 0.017 min
Lab File: r1934360.D
Acq: 8 May 2025 2:52 AM

Tgt Ion:	61	Resp:	3468
Ion Ratio	Lower	Upper	
61	100		
96	69.1	53.8	80.6
98	42.8	34.3	51.5





#36

2-butanone

Concen: 2.70 ppbV

RT: 8.117 min Scan# 971

Delta R.T. 0.017 min

Lab File: r1934360.D

Acq: 8 May 2025 2:52 AM

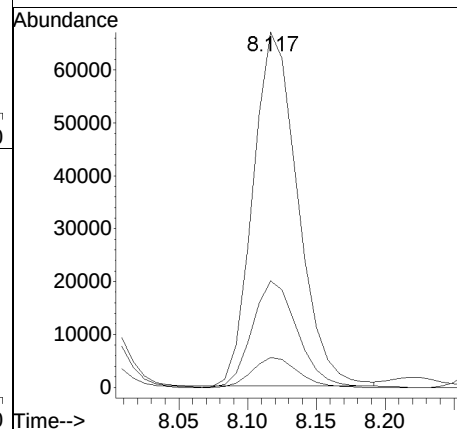
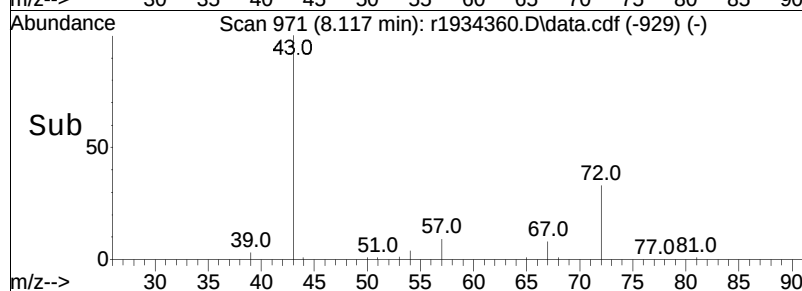
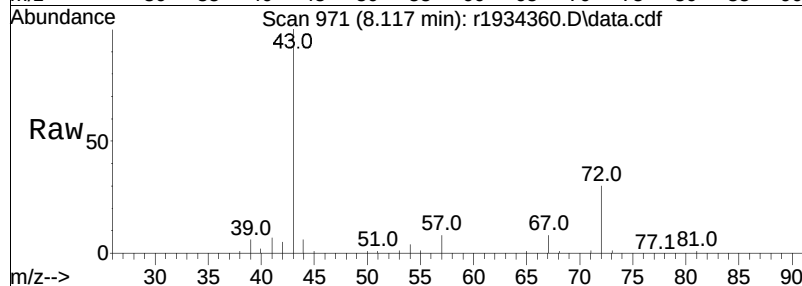
Tgt Ion: 43 Resp: 151683

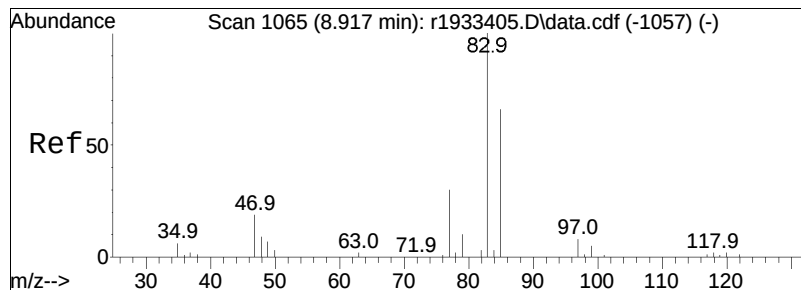
Ion Ratio Lower Upper

43 100

72 30.0 23.3 34.9

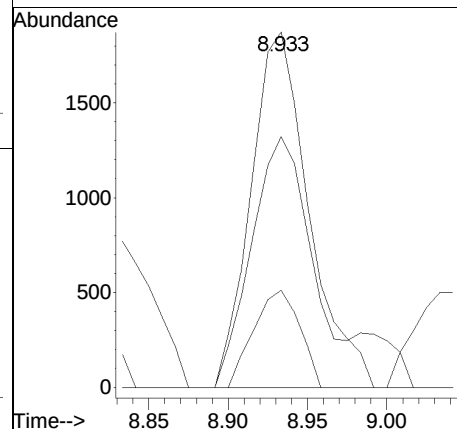
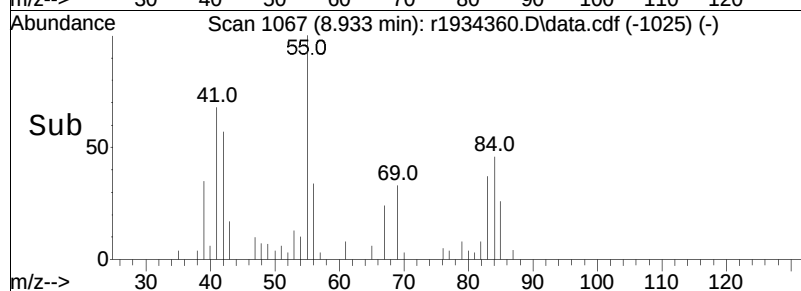
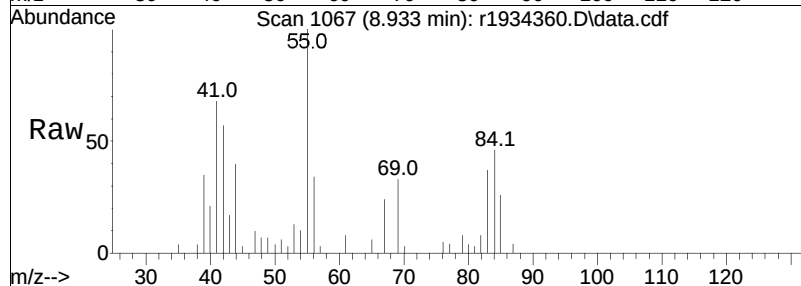
57 8.4 7.9 11.9

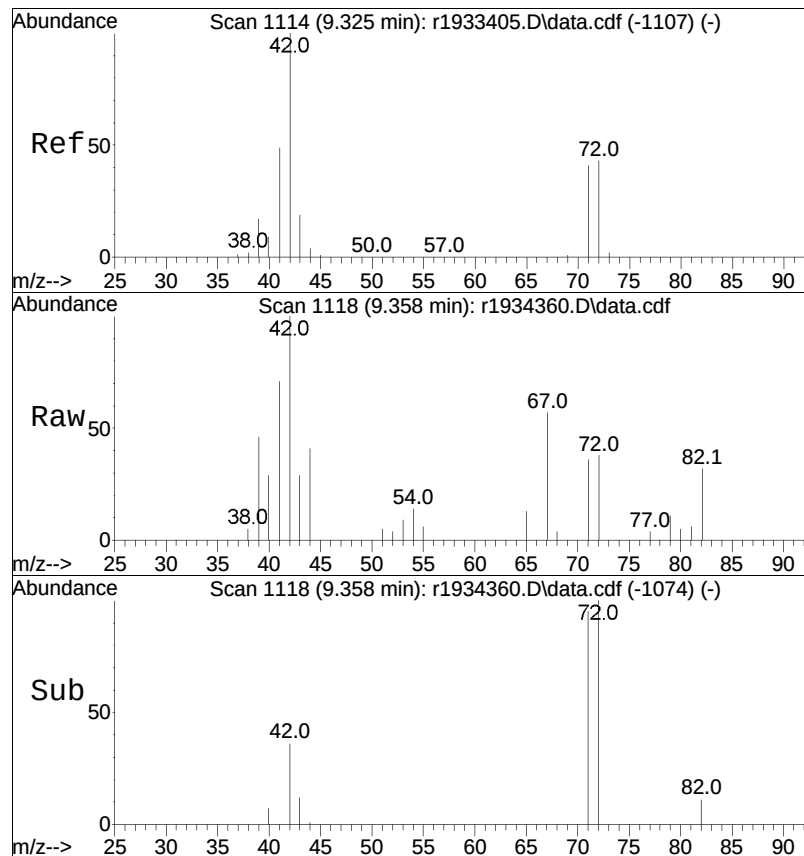




#39
 chloroform
 Concen: 0.11 ppbV
 RT: 8.933 min Scan# 1067
 Delta R.T. 0.017 min
 Lab File: r1934360.D
 Acq: 8 May 2025 2:52 AM

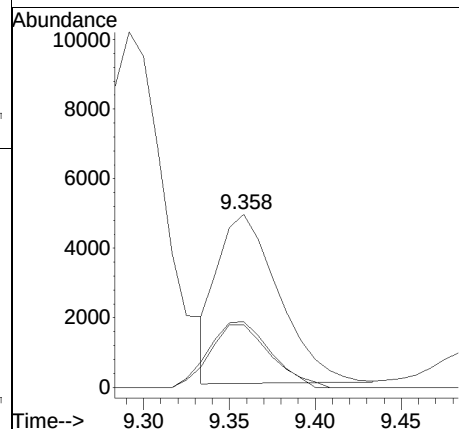
Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.6	53.4	80.0
47	27.3	15.0	22.4

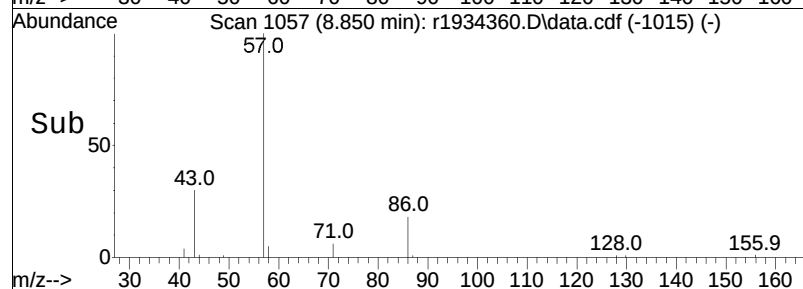
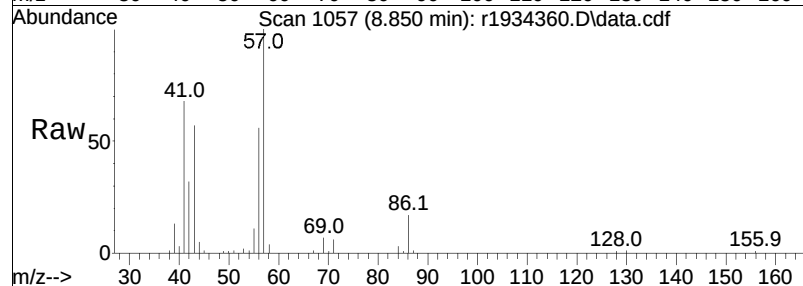
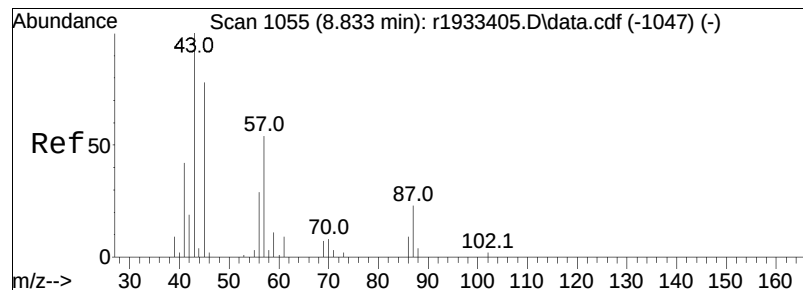




#40
 Tetrahydrofuran
 Concen: 0.38 ppbV
 RT: 9.358 min Scan# 1118
 Delta R.T. 0.033 min
 Lab File: r1934360.D
 Acq: 8 May 2025 2:52 AM

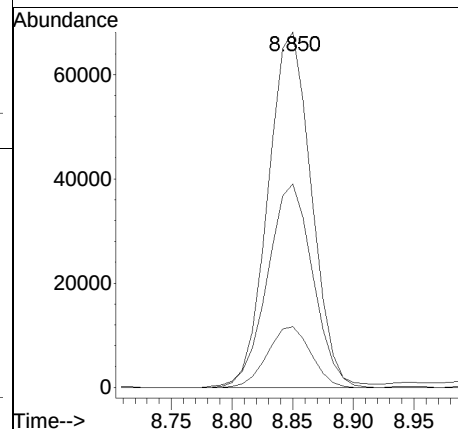
Tgt Ion:	42	71	72	Ion Ratio	100	36.2	38.0	Resp:	12081	Lower	Upper
42	100										
71		36.2				32.6	48.8				
72			38.0			34.6	52.0				

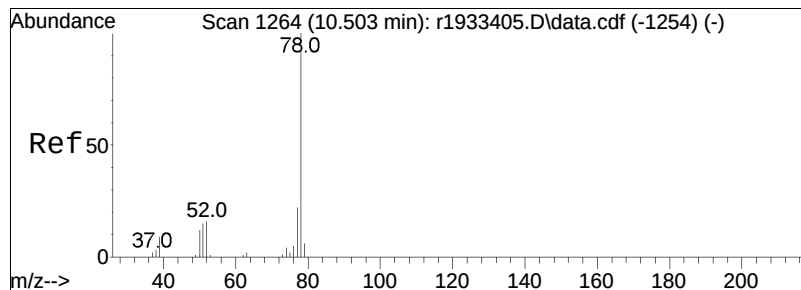




#44
hexane
Concen: 2.88 ppbV
RT: 8.850 min Scan# 1057
Delta R.T. 0.017 min
Lab File: r1934360.D
Acq: 8 May 2025 2:52 AM

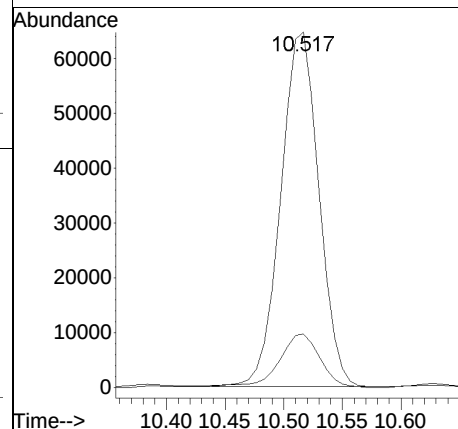
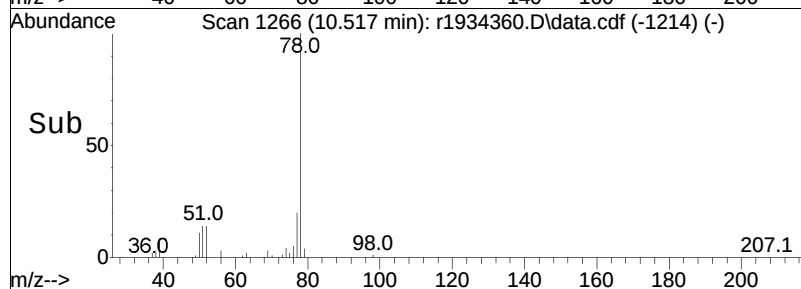
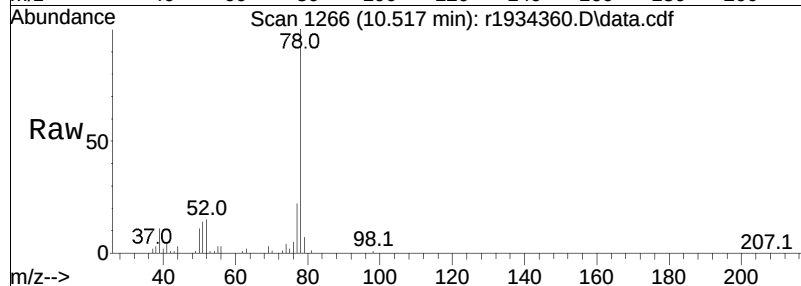
Tgt	Ion	Resp	Lower	Upper
57	100	168625		
43	57.3	148.0	222.0#	
86	17.1	13.7	20.5	

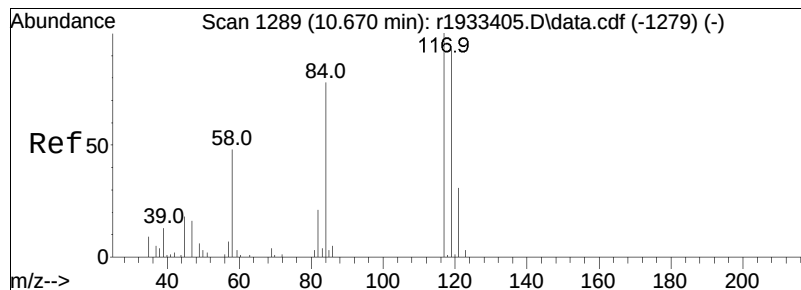




#50
benzene
Concen: 1.73 ppbV
RT: 10.517 min Scan# 1266
Delta R.T. 0.013 min
Lab File: r1934360.D
Acq: 8 May 2025 2:52 AM

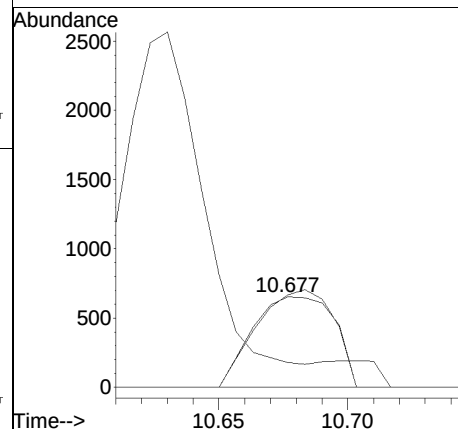
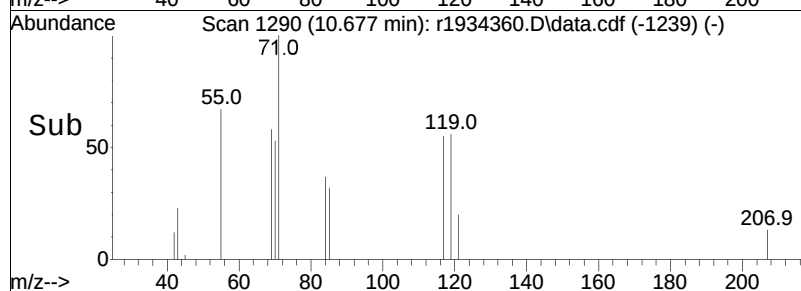
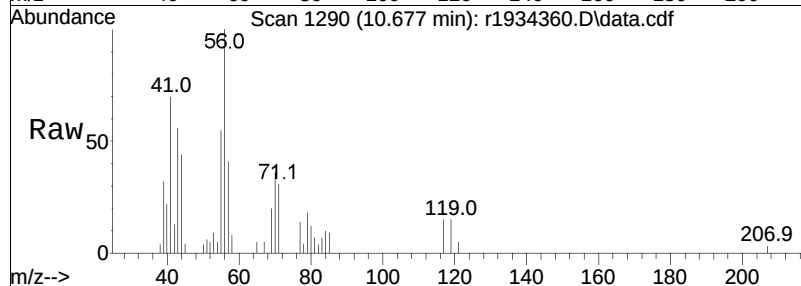
Tgt Ion	Ratio	Lower	Upper
78	100		
52	15.0	13.2	19.8

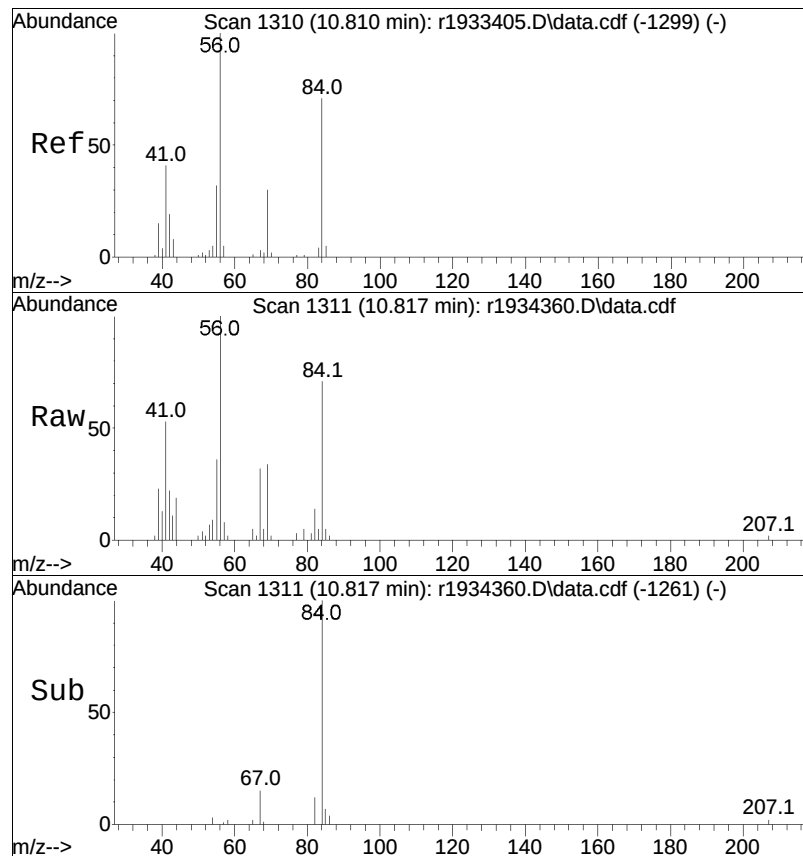




#52
 carbon tetrachloride
 Concen: 0.05 ppbV
 RT: 10.677 min Scan# 1290
 Delta R.T. 0.007 min
 Lab File: r1934360.D
 Acq: 8 May 2025 2:52 AM

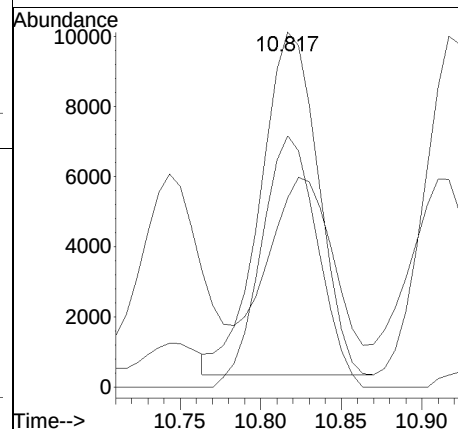
Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.1	75.6	113.4
82	27.5	16.8	25.2#

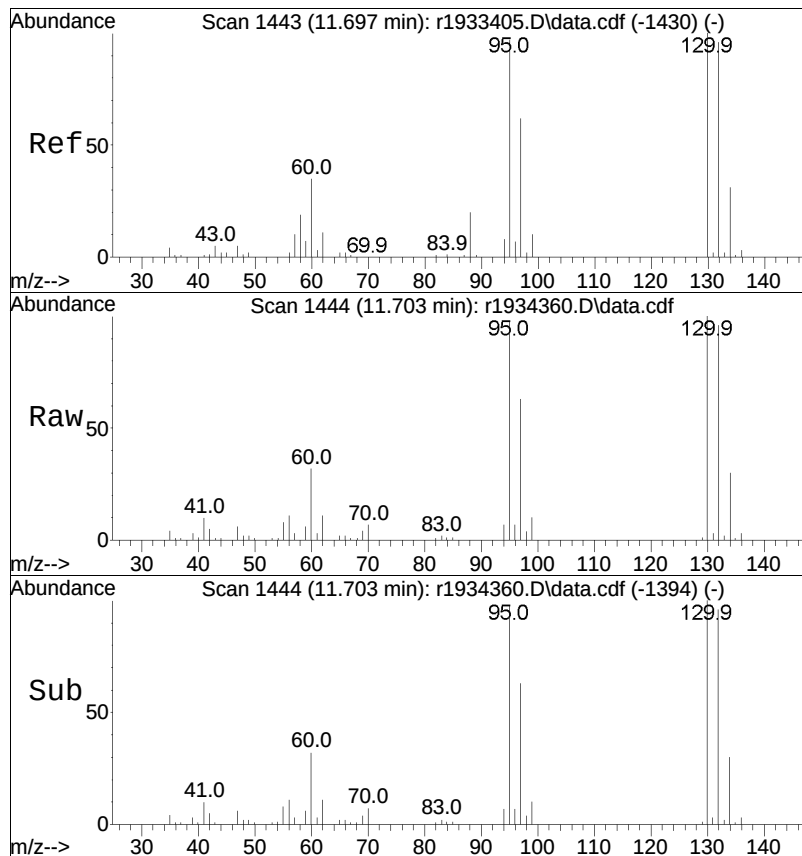




#53
cyclohexane
Concen: 0.43 ppbV
RT: 10.817 min Scan# 1311
Delta R.T. 0.007 min
Lab File: r1934360.D
Acq: 8 May 2025 2:52 AM

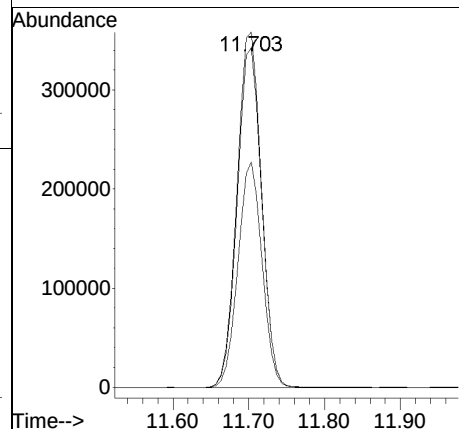
Tgt Ion	Ratio	Lower	Upper
56	100		
84	70.8	56.8	85.2
41	53.4	32.8	49.2#

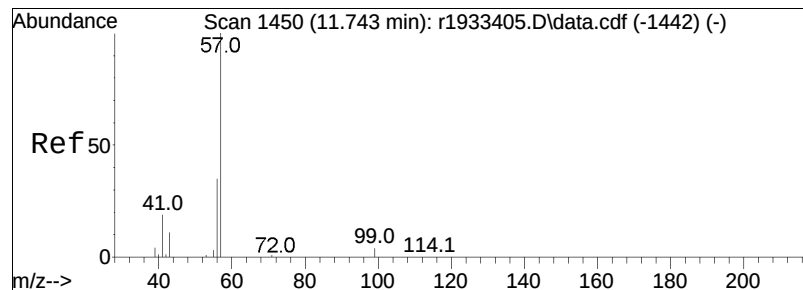




#59
 trichloroethene
 Concen: 21.96 ppbV
 RT: 11.703 min Scan# 1444
 Delta R.T. 0.007 min
 Lab File: r1934360.D
 Acq: 8 May 2025 2:52 AM

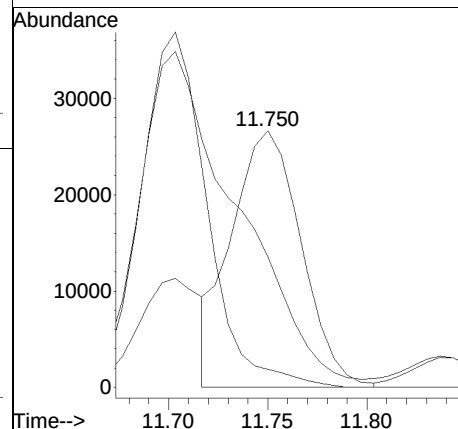
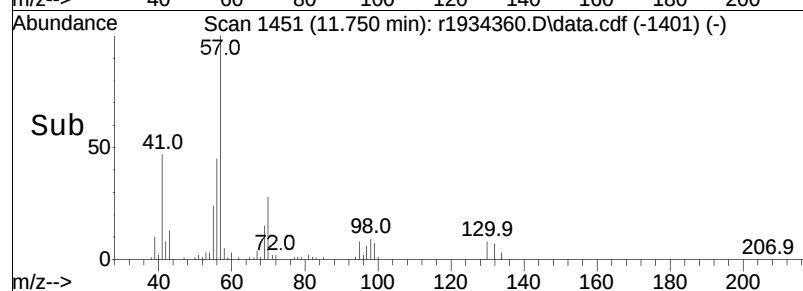
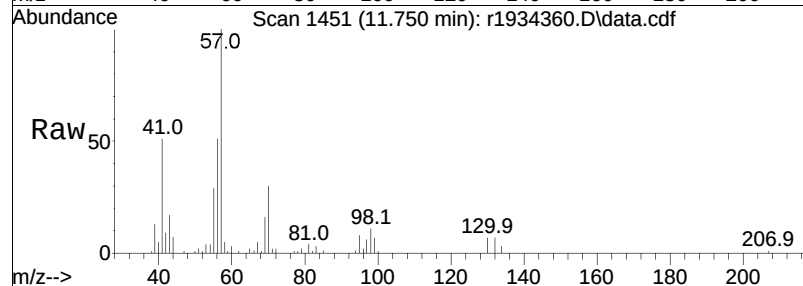
Tgt	Ion	Ratio	Resp	Lower	Upper
130	100		805999		
132	95.6	76.6		114.8	
97	63.5	49.3		73.9	

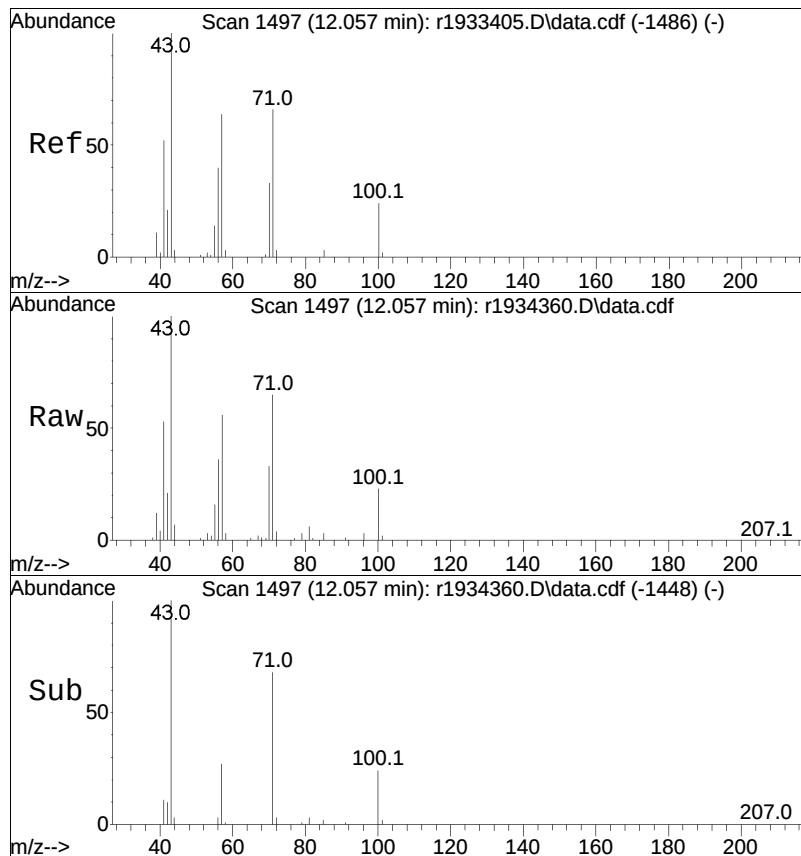




#60
 2,2,4-trimethylpentane
 Concen: 0.39 ppbV
 RT: 11.750 min Scan# 1451
 Delta R.T. 0.007 min
 Lab File: r1934360.D
 Acq: 8 May 2025 2:52 AM

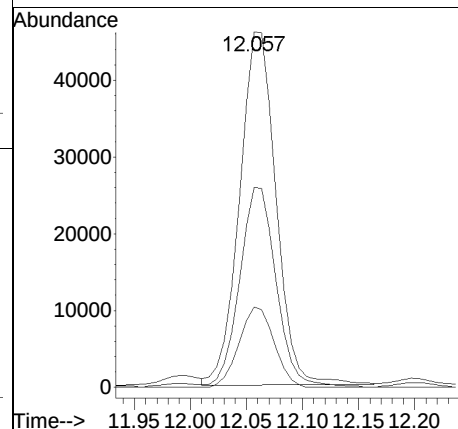
Tgt Ion	Ratio	Lower	Upper
57	100		
99	7.1	4.7	7.1
41	50.9	15.1	22.7

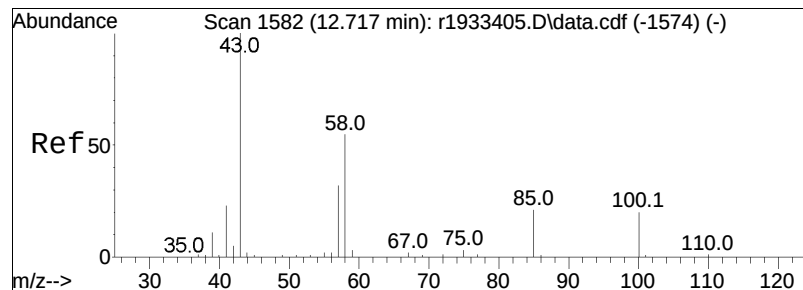




#62
 heptane
 Concen: 1.98 ppbV
 RT: 12.057 min Scan# 1497
 Delta R.T. 0.000 min
 Lab File: r1934360.D
 Acq: 8 May 2025 2:52 AM

Tgt Ion	Ratio	Lower	Upper
43	100		
57	56.3	51.3	76.9
100	22.6	19.3	28.9





#64

4-methyl-2-pentanone

Concen: 0.47 ppbV

RT: 12.725 min Scan# 1583

Delta R.T. 0.008 min

Lab File: r1934360.D

Acq: 8 May 2025 2:52 AM

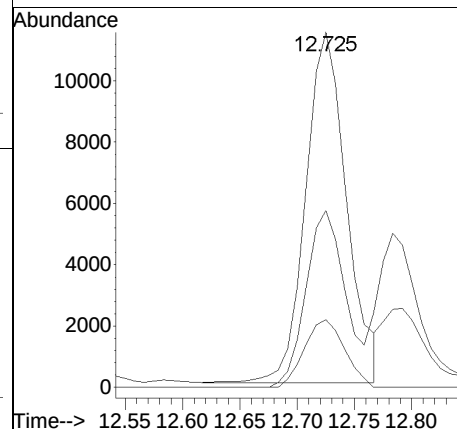
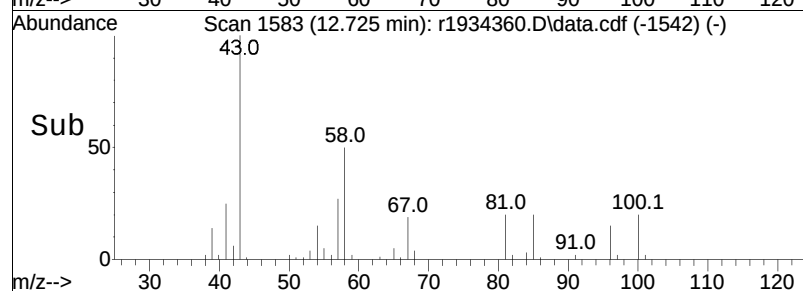
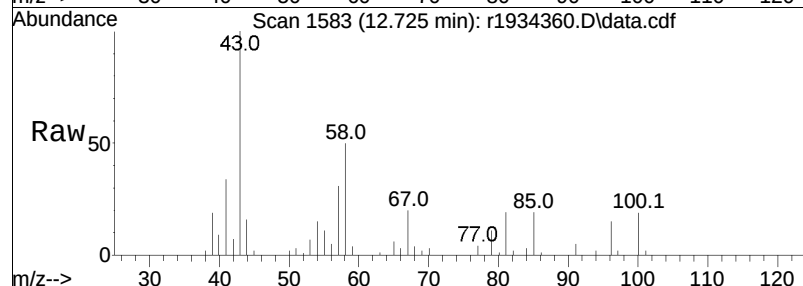
Tgt Ion: 43 Resp: 28271

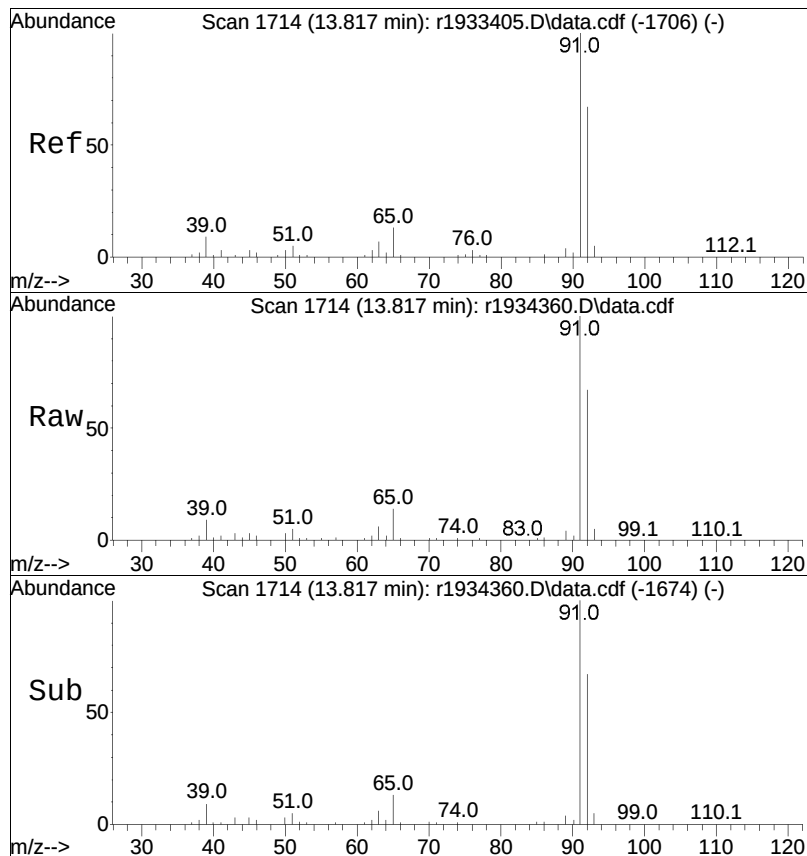
Ion Ratio Lower Upper

43 100

58 49.8 44.1 66.1

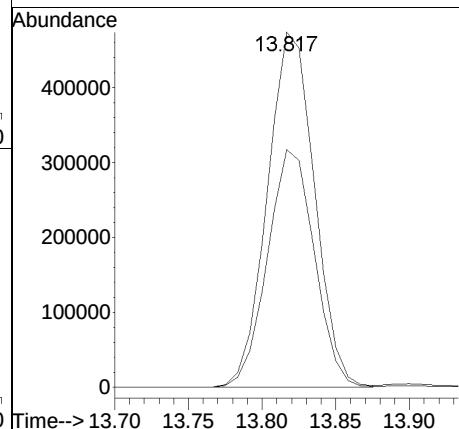
100 19.0 16.3 24.5

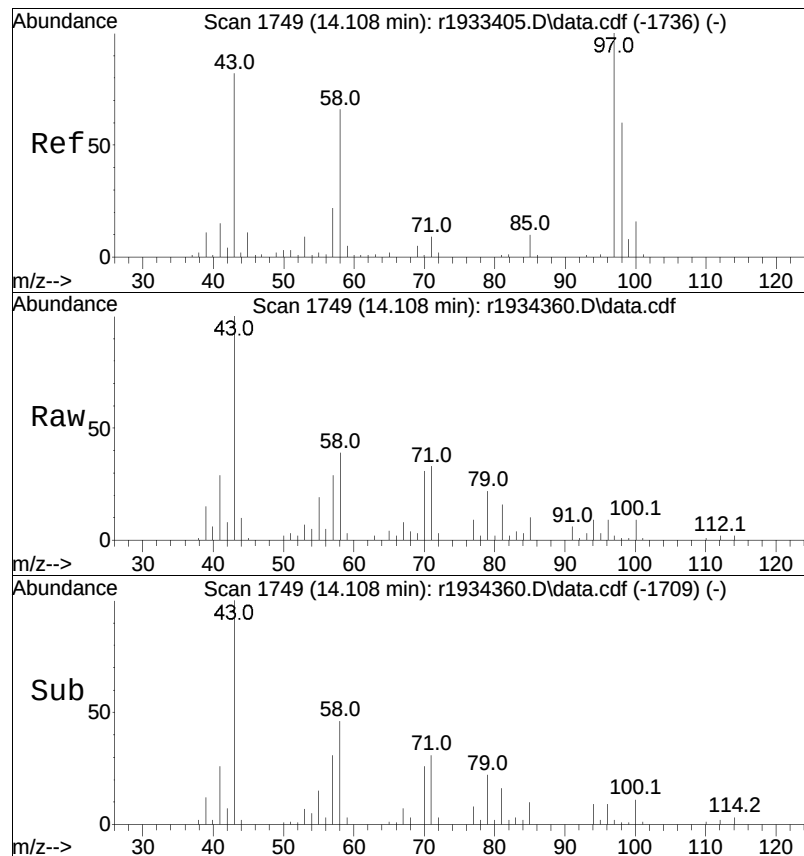




#68
toluene
Concen: 10.76 ppbV
RT: 13.817 min Scan# 1714
Delta R.T. 0.000 min
Lab File: r1934360.D
Acq: 8 May 2025 2:52 AM

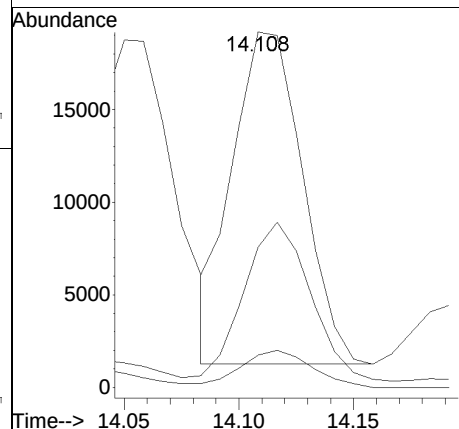
Tgt	Ion	Resp	Lower	Upper
91	100	1052670		
92	66.9	53.5	80.3	

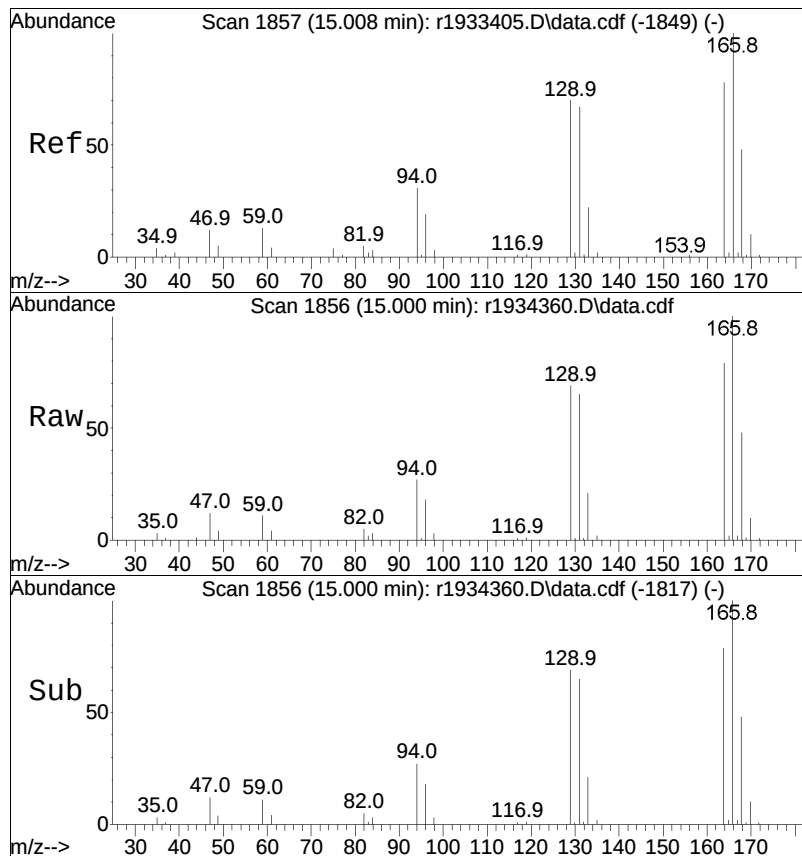




#72
 2-hexanone
 Concen: 0.73 ppbV
 RT: 14.108 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: r1934360.D
 Acq: 8 May 2025 2:52 AM

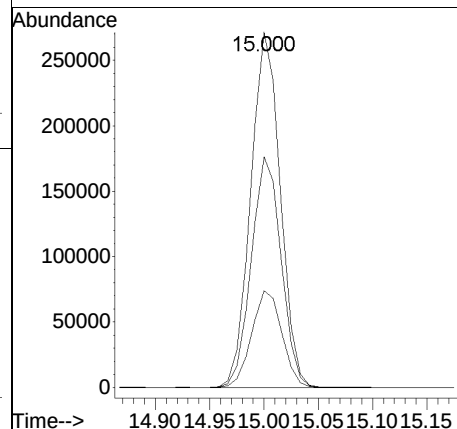
Tgt Ion:	43	58	100	Ratio	Lower	Upper	Resp:
43	100						38255
58	39.5	65.2					97.8#
100	9.1	15.7					23.5#

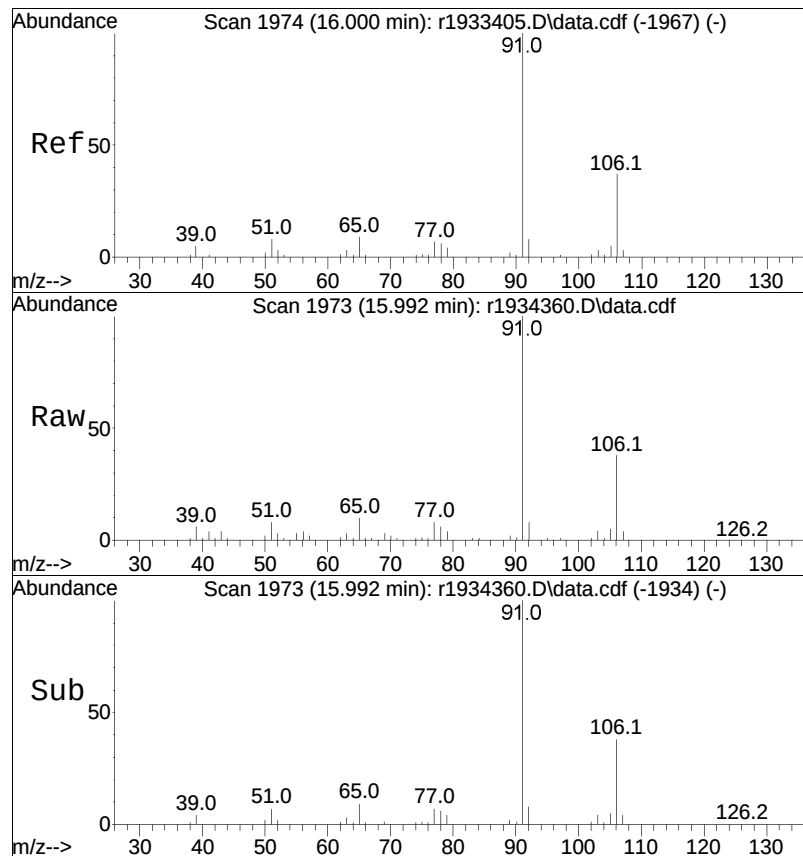




#78
 tetrachloroethene
 Concen: 12.22 ppbV
 RT: 15.000 min Scan# 1856
 Delta R.T. -0.008 min
 Lab File: r1934360.D
 Acq: 8 May 2025 2:52 AM

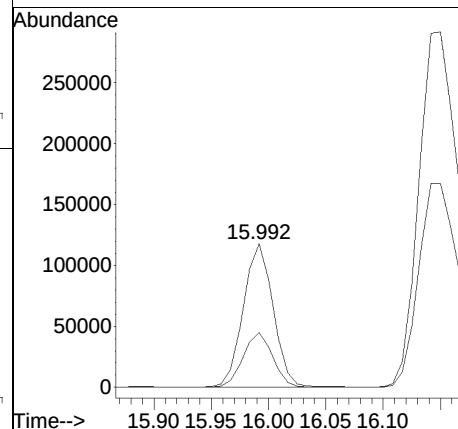
Tgt	Ion:166	Resp:	513282
Ion	Ratio	Lower	Upper
166	100		
131	64.9	53.6	80.4
94	27.2	24.4	36.6

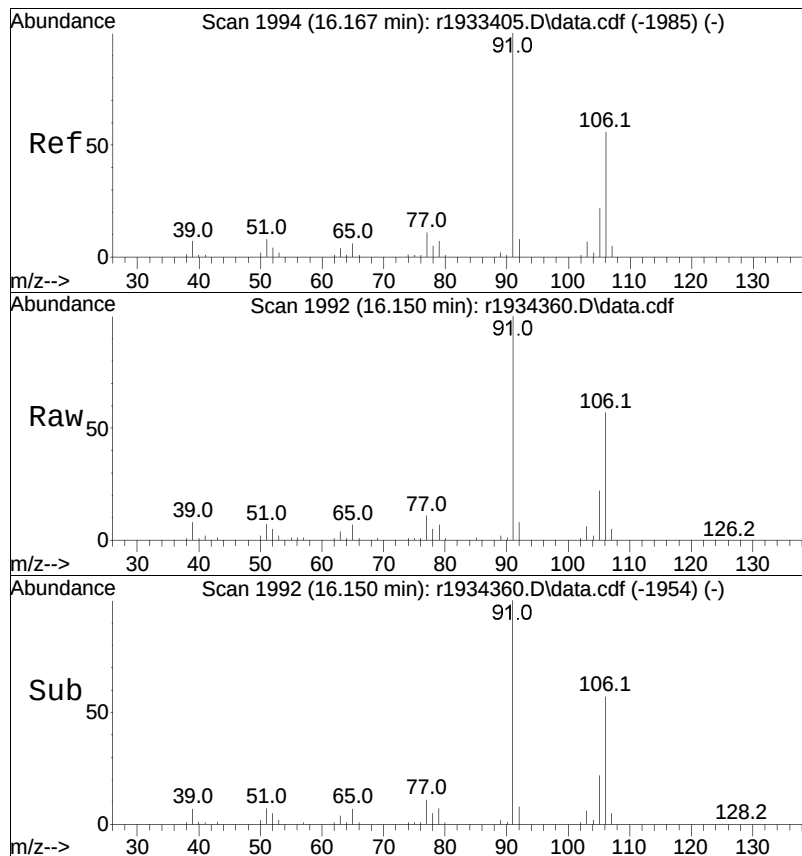




#81
ethylbenzene
Concen: 1.70 ppbV
RT: 15.992 min Scan# 1973
Delta R.T. -0.008 min
Lab File: r1934360.D
Acq: 8 May 2025 2:52 AM

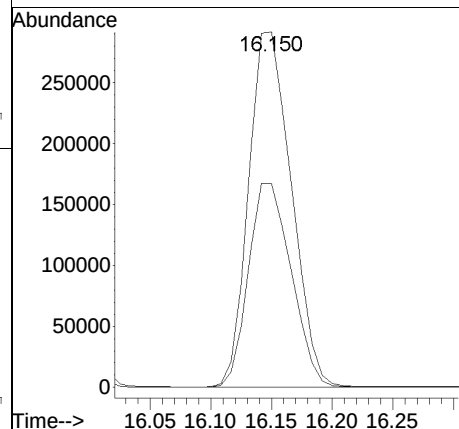
Tgt Ion	Ratio	Lower	Upper
91	100		
106	38.1	29.3	43.9

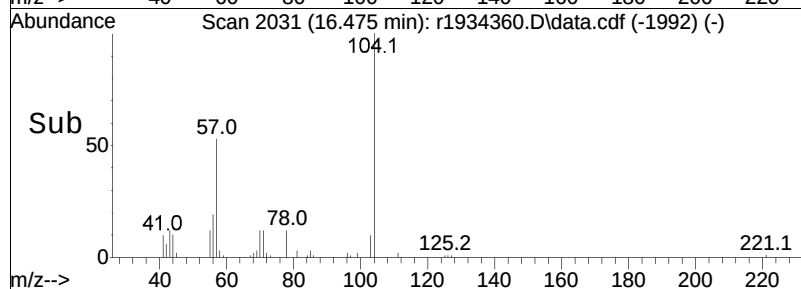
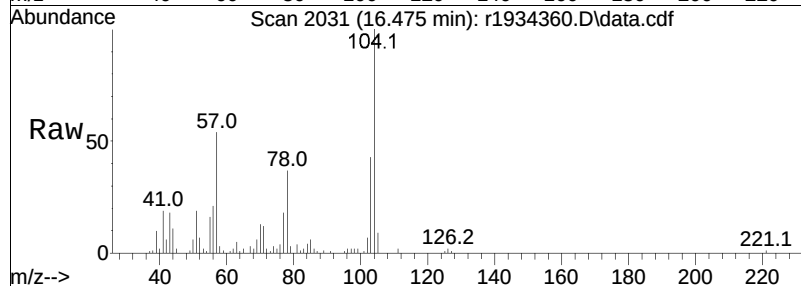
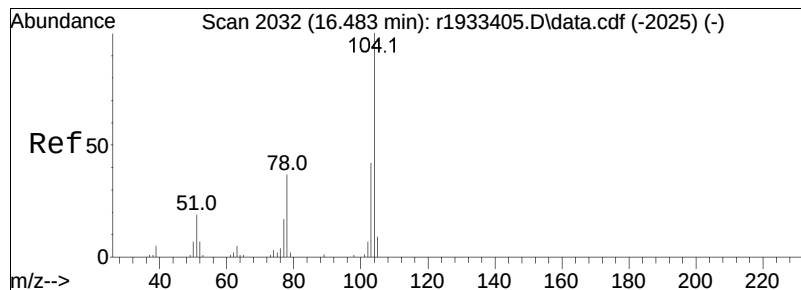




#83
 m+p-xylene
 Concen: 7.18 ppbV
 RT: 16.150 min Scan# 1992
 Delta R.T. -0.017 min
 Lab File: r1934360.D
 Acq: 8 May 2025 2:52 AM

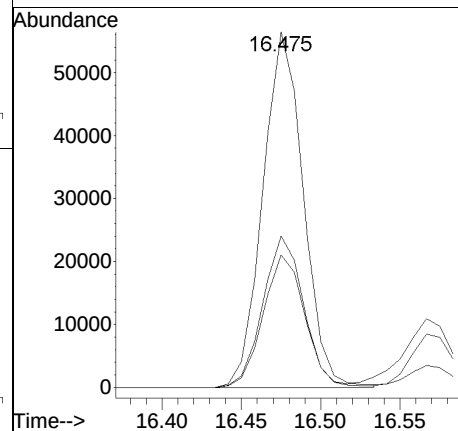
Tgt	Ion	Ratio	Lower	Upper
91	100			
106	57.4	44.6	67.0	

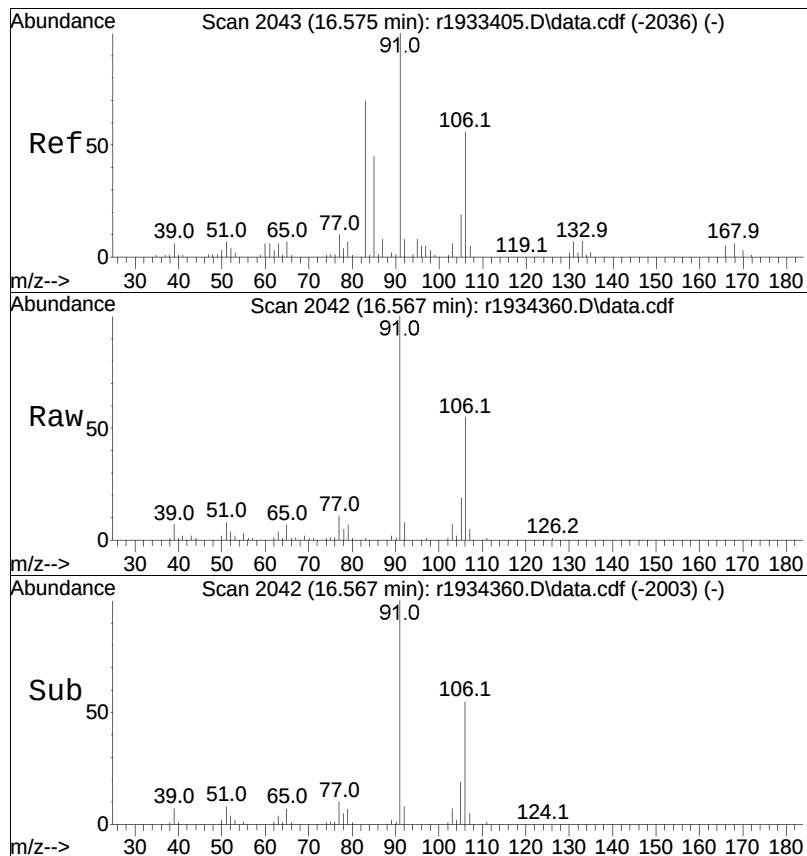




#85
styrene
Concen: 1.21 ppbV
RT: 16.475 min Scan# 2031
Delta R.T. -0.008 min
Lab File: r1934360.D
Acq: 8 May 2025 2:52 AM

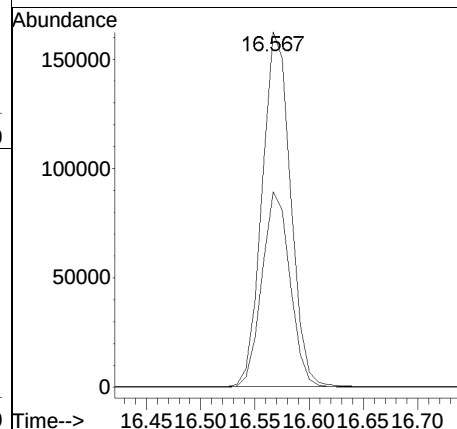
Tgt Ion	Ratio	Lower	Upper
104	100		
103	42.6	33.8	50.6
78	37.3	29.9	44.9

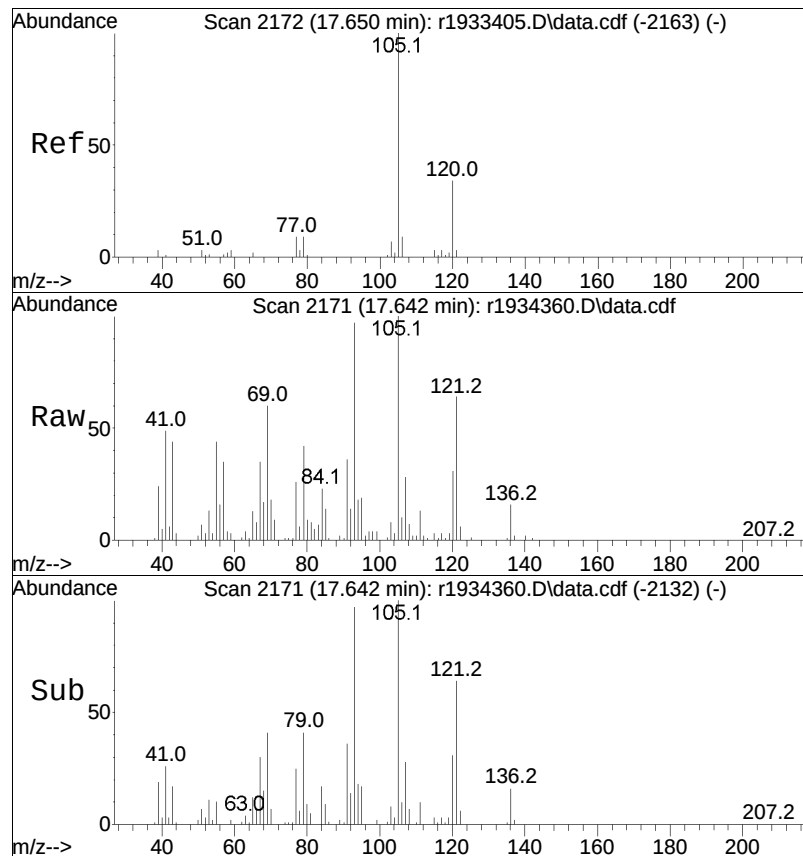




#87
 o-xylene
 Concen: 3.04 ppbV
 RT: 16.567 min Scan# 2042
 Delta R.T. -0.008 min
 Lab File: r1934360.D
 Acq: 8 May 2025 2:52 AM

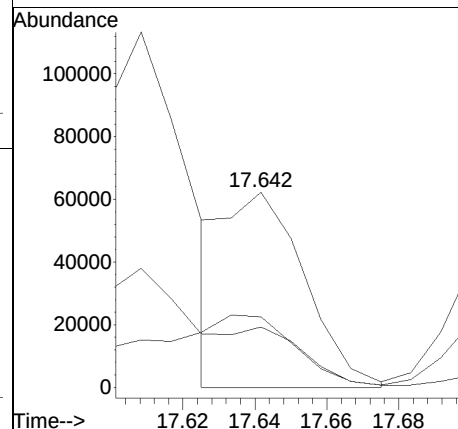
Tgt Ion:	91	106	Resp:	294594
Ion Ratio	100	55.1	Lower	Upper
			44.5	66.7

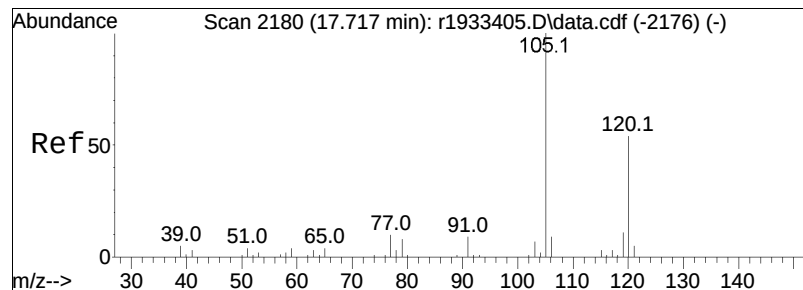




#96
 4-ethyl toluene
 Concen: 0.75 ppbV m
 RT: 17.642 min Scan# 2171
 Delta R.T. -0.008 min
 Lab File: r1934360.D
 Acq: 8 May 2025 2:52 AM

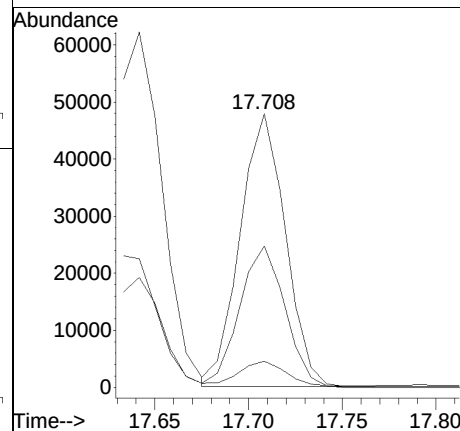
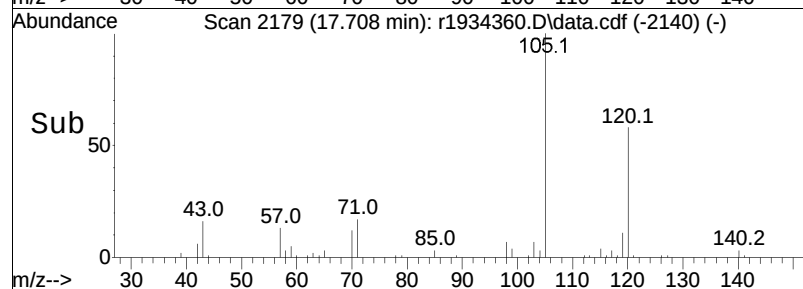
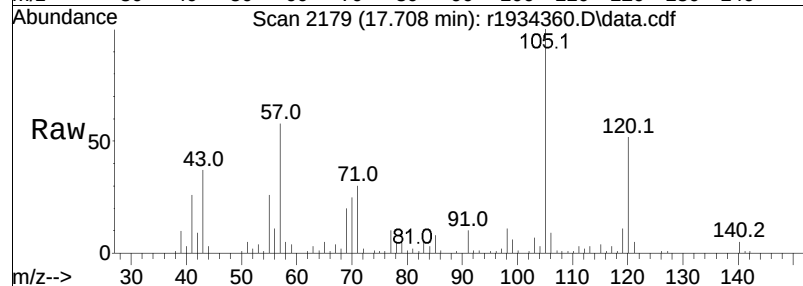
Tgt Ion:	105	Resp:	96599
Ion Ratio	Lower	Upper	
105	100		
120	31.0	27.0	40.6
91	36.2	7.8	11.8#

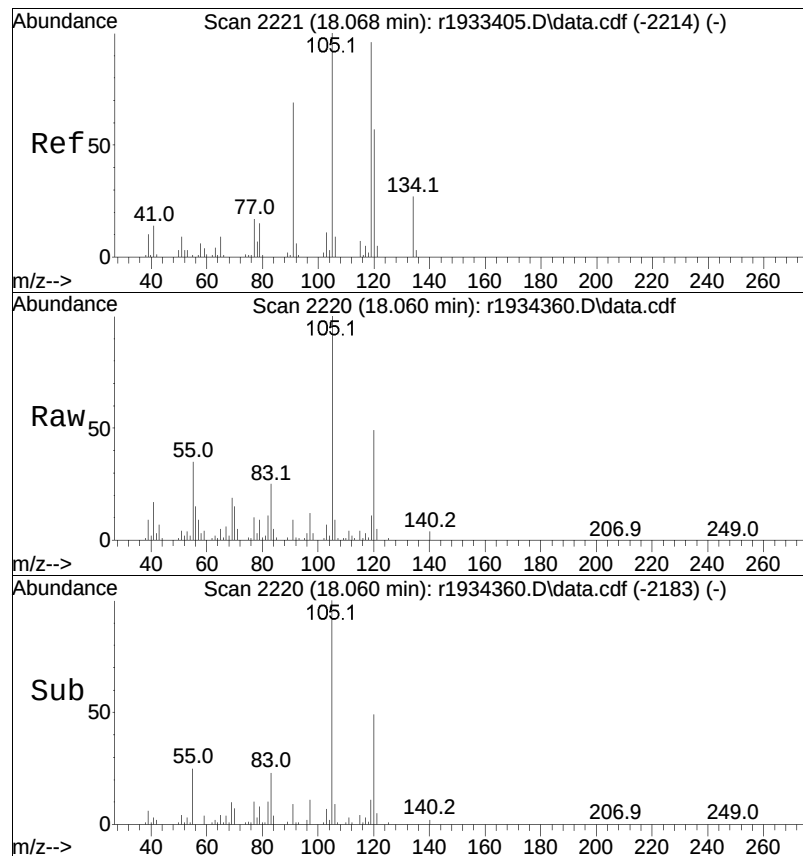




#97
 1,3,5-trimethylbenzene
 Concen: 0.72 ppbV
 RT: 17.708 min Scan# 2179
 Delta R.T. -0.008 min
 Lab File: r1934360.D
 Acq: 8 May 2025 2:52 AM

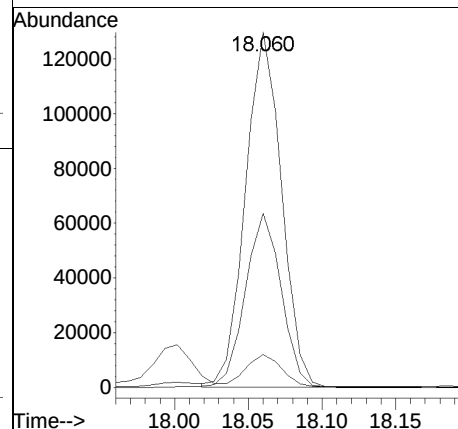
Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.7	42.5	63.7
91	9.6	7.4	11.2

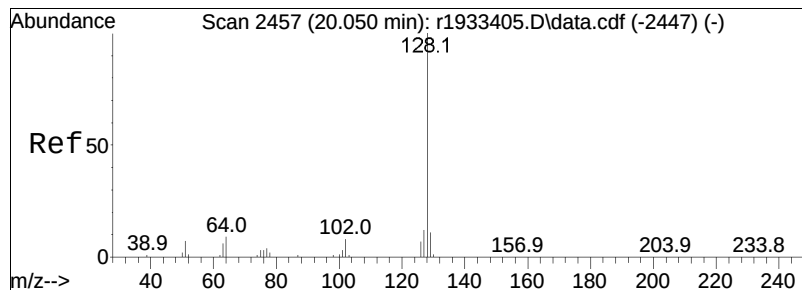




#99
 1,2,4-trimethylbenzene
 Concen: 1.97 ppbV
 RT: 18.060 min Scan# 2220
 Delta R.T. -0.008 min
 Lab File: r1934360.D
 Acq: 8 May 2025 2:52 AM

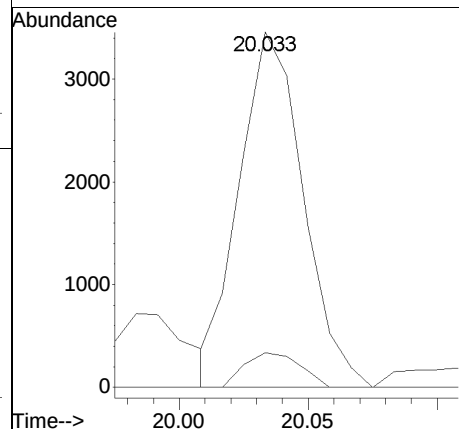
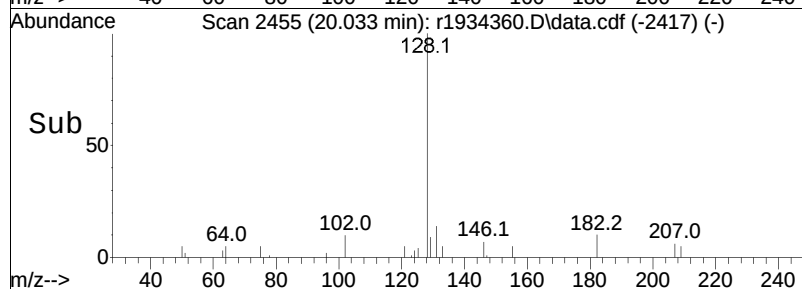
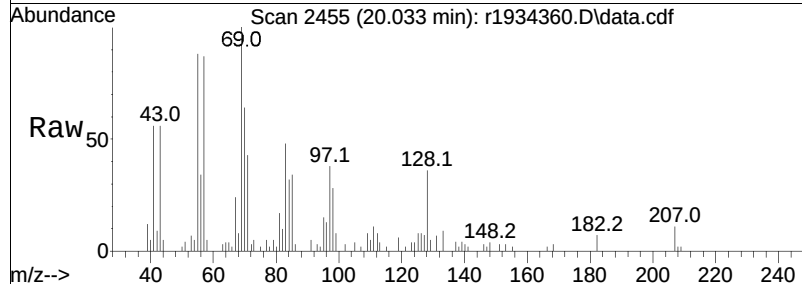
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	220553		
120	49.0		45.8	68.6
91	9.2		55.0	82.6#





#116
naphthalene
Concen: 0.06 ppbV
RT: 20.033 min Scan# 2455
Delta R.T. -0.017 min
Lab File: r1934360.D
Acq: 8 May 2025 2:52 AM

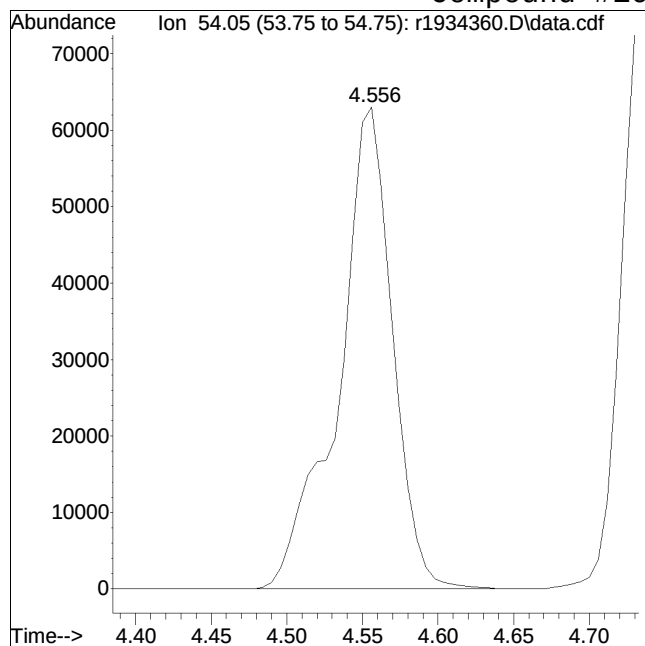
Tgt Ion:128 Resp: 5977
Ion Ratio Lower Upper
128 100
102 9.7 6.2 9.2#



Manual Integration Report

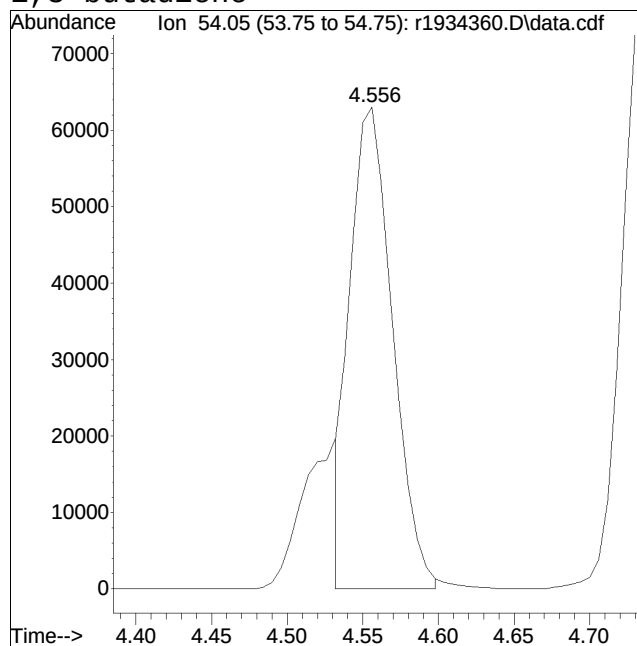
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934360.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 2:52 AM Instrument :
Sample : L2525337-04,3,250,250 Quant Date : 5/8/2025 6:19 am

Compound #10: 1,3-butadiene



Original Peak Response = 156005

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

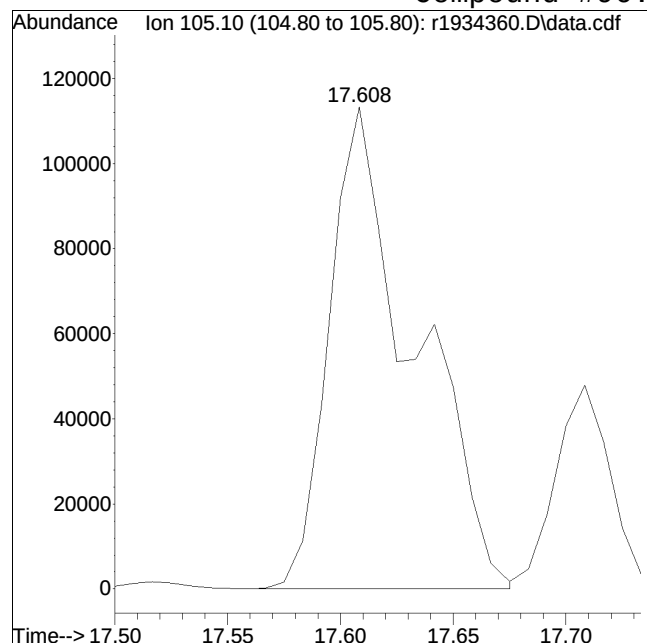


Manual Peak Response = 122958 M6

Manual Integration Report

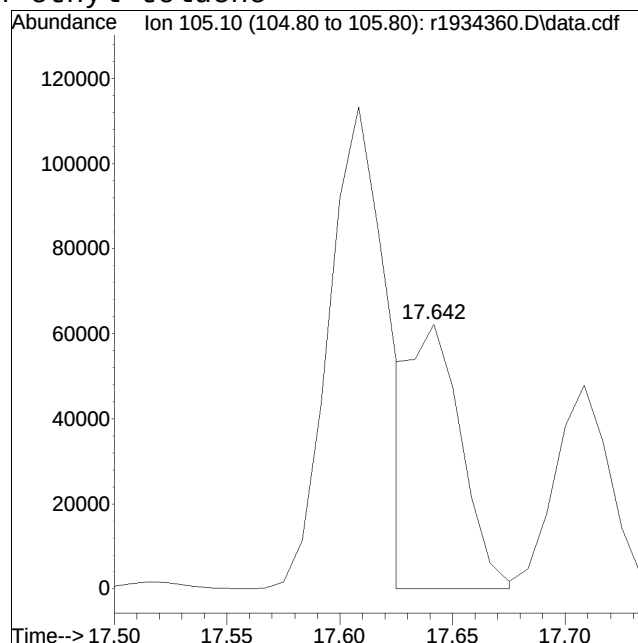
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934360.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 2:52 AM Instrument :
Sample : L2525337-04,3,250,250 Quant Date : 5/8/2025 6:19 am

Compound #96: 4-ethyl toluene



Original Peak Response = 297010

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 96599 M6

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934361.D
 Acq On : 8 May 2025 3:32 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-05,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:20:44 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.783	49	334425	10.000	ppbV	0.00
Standard Area = 339843			Recovery =		98.41%	
43) 1,4-difluorobenzene	10.923	114	1032298	10.000	ppbV	0.00
Standard Area = 931395			Recovery =		110.83%	
67) chlorobenzene-D5	15.600	54	142611	10.000	ppbV	0.00
Standard Area = 169143			Recovery =		84.31%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	4.076	85	18089	0.407	ppbV	98
6) chloromethane	4.220	50	2724	0.161	ppbV	95
7) Freon-114	4.316		0	N.D.		
9) vinyl chloride	4.424		0	N.D.		
10) 1,3-butadiene	4.550	54	31190M6	1.633	ppbV	
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	5.078	31	110435	5.523	ppbV #	85
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.540	43	902872M6	25.683	ppbV	
21) trichlorofluoromethane	5.723	101	8328	0.194	ppbV	100
22) isopropyl alcohol	5.790	45	233234	5.746	ppbV	99
26) 1,1-dichloroethene	6.398		0	N.D.		
27) tertiary butyl alcohol	6.404	59	142516	2.247	ppbV #	90
28) methylene chloride	6.500	49	1754	0.066	ppbV	94
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	6.782	76	37069	0.507	ppbV #	78
31) Freon 113	6.782	101	3489	0.071	ppbV	92
32) trans-1,2-dichloroethene	7.492	61	1646	0.037	ppbV	97
33) 1,1-dichloroethane	7.808		0	N.D.		
34) MTBE	7.717		0	N.D.		
36) 2-butanone	8.117	43	83091	1.478	ppbV	98
37) cis-1,2-dichloroethene	8.600		0	N.D.		
38) Ethyl Acetate	8.867		0	N.D.		
39) chloroform	8.925	83	4669	0.106	ppbV #	93
40) Tetrahydrofuran	9.358	42	7922	0.248	ppbV	90
42) 1,2-dichloroethane	0.000		0	N.D.		
44) hexane	8.842	57	93837	1.490	ppbV #	18

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934361.D
 Acq On : 8 May 2025 3:32 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-05,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:20:44 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

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

48) 1,1,1-trichloroethane	10.000		0	N.D.		
50) benzene	10.510	78	55838	0.616	ppbV	98
52) carbon tetrachloride	10.677	117	1506	0.044	ppbV	96
53) cyclohexane	10.817	56	17458	0.289	ppbV #	90
56) 1,2-dichloropropane	11.423		0	N.D.		
57) bromodichloromethane	11.650		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
59) trichloroethene	11.697	130	502111	12.734	ppbV	99
60) 2,2,4-trimethylpentane	11.750	57	47778	0.266	ppbV #	77
62) heptane	12.057	43	53507	0.950	ppbV	92
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.725	43	8315	0.128	ppbV	89
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	13.500		0	N.D.		
68) toluene	13.817	91	650162	6.427	ppbV	100
72) 2-hexanone	14.108	43	14348	0.266	ppbV #	35
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.000	166	542965	12.498	ppbV	96
80) chlorobenzene	0.000		0	N.D.	d	
81) ethylbenzene	15.992	91	144443	1.124	ppbV	98
83) m+p-xylene	16.150	91	508714	4.959	ppbV	98
84) bromoform	0.000		0	N.D.		
85) styrene	16.475	104	72689	0.853	ppbV	99
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
87) o-xylene	16.567	91	220105	2.199	ppbV	98
96) 4-ethyl toluene	17.642	105	81640M6	0.617	ppbV	
97) 1,3,5-trimethylbenzene	17.708	105	78590	0.685	ppbV	98
99) 1,2,4-trimethylbenzene	18.060	105	224315	1.938	ppbV #	55
101) Benzyl Chloride	18.135		0	N.D.		
102) 1,3-dichlorobenzene	18.252		0	N.D.		
103) 1,4-dichlorobenzene	18.252		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	19.908		0	N.D.		
116) naphthalene	20.033	128	15366	0.137	ppbV	97
119) hexachlorobutadiene	0.000		0	N.D.		

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934361.D
 Acq On : 8 May 2025 3:32 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-05,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:20:44 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

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

Sub List : T015-NY+Naphthalene - .\2025\05\0507T\r1934340.D

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\

Data File : r1934361.D

Acq On : 8 May 2025 3:32 AM

Operator : AIRLAB19:TPH

Sample : L2525337-05,3,250,250

Misc : WG2063684,ICAL22124

ALS Vial : 0 Sample Multiplier: 1

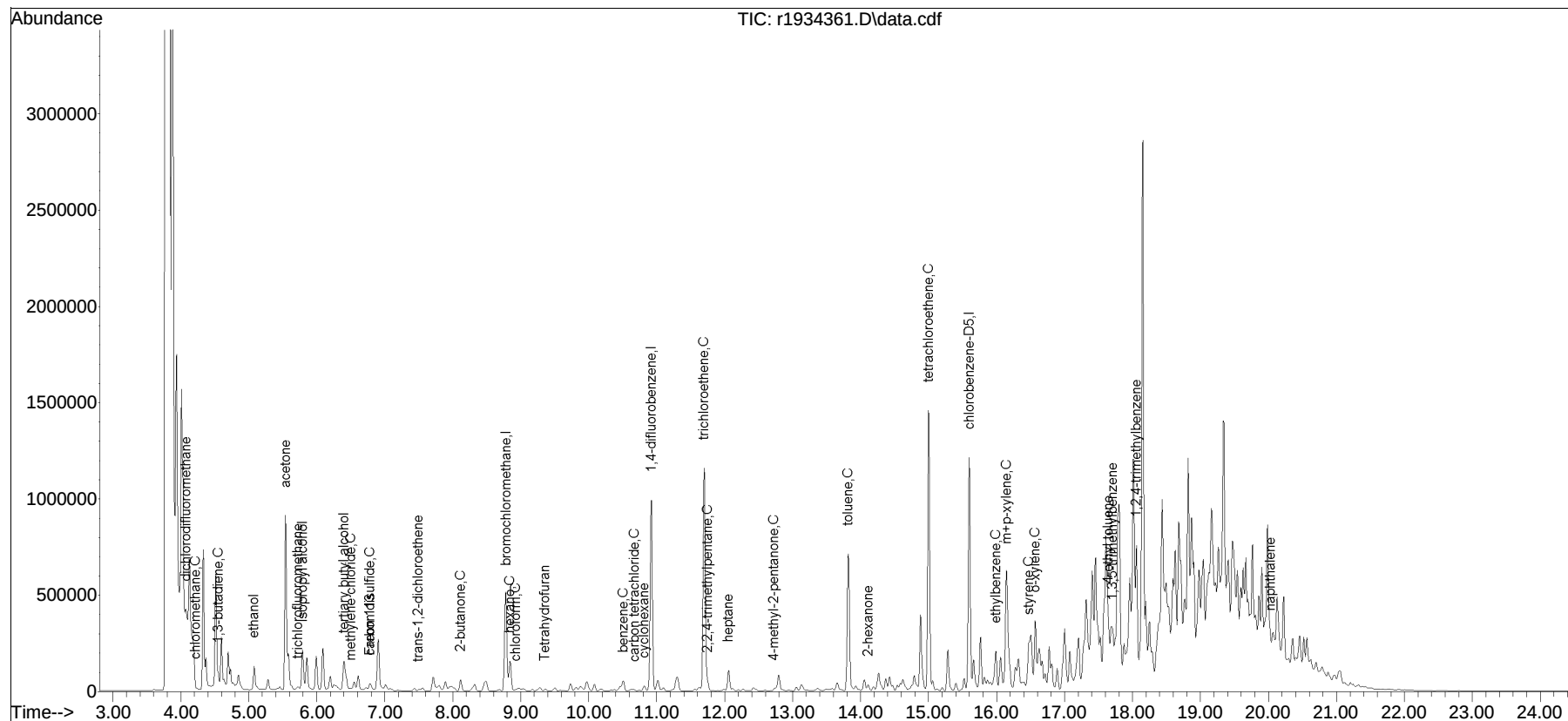
Quant Time: May 08 06:20:44 2025

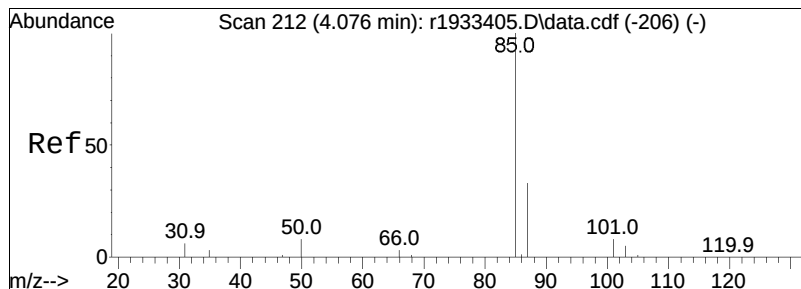
Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M

Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis

QLast Update : Sun Mar 30 07:46:23 2025

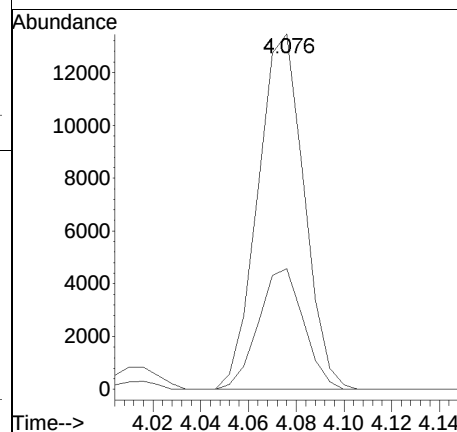
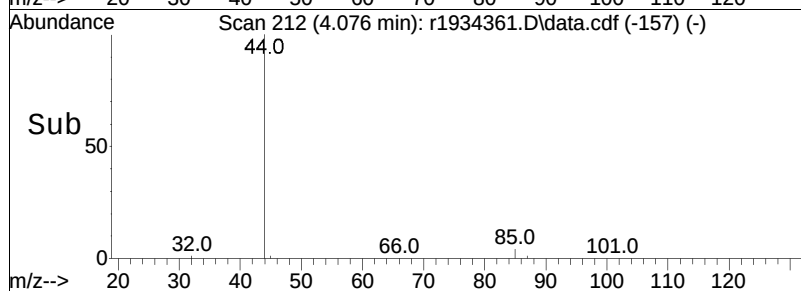
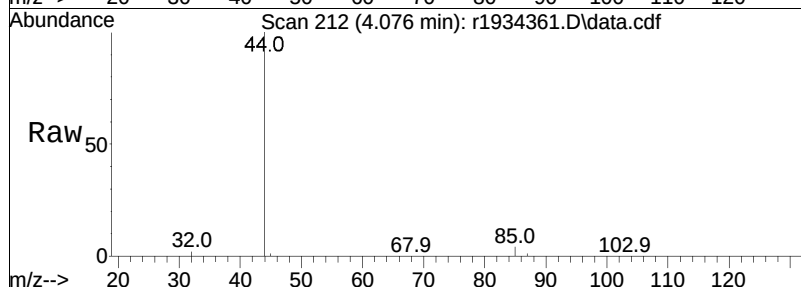
Response via : Initial Calibration

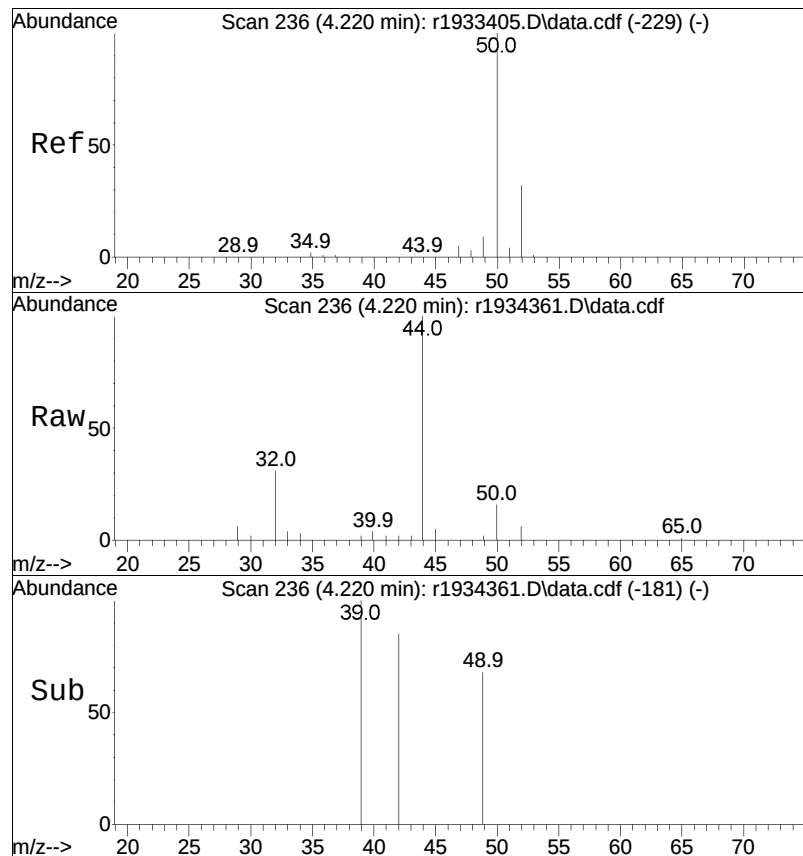




#5
dichlorodifluoromethane
Concen: 0.41 ppbV
RT: 4.076 min Scan# 212
Delta R.T. 0.000 min
Lab File: r1934361.D
Acq: 8 May 2025 3:32 AM

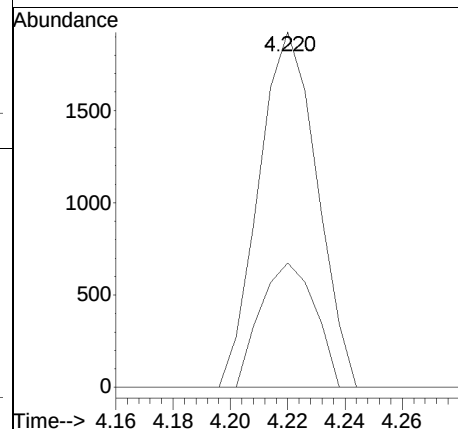
Tgt Ion: 85 Resp: 18089
Ion Ratio Lower Upper
85 100
87 34.0 26.2 39.4

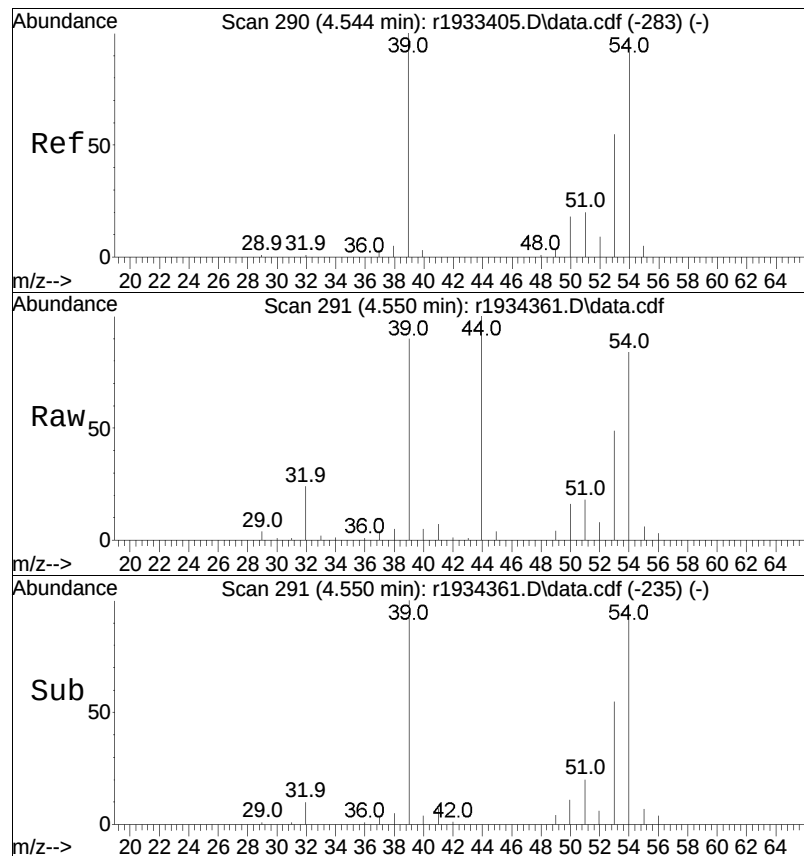




#6
 chloromethane
 Concen: 0.16 ppbV
 RT: 4.220 min Scan# 236
 Delta R.T. 0.000 min
 Lab File: r1934361.D
 Acq: 8 May 2025 3:32 AM

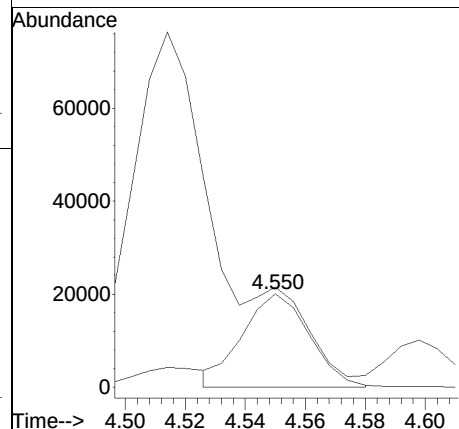
Tgt Ion	Ratio	Lower	Upper
50	100		
52	35.0	25.9	38.9

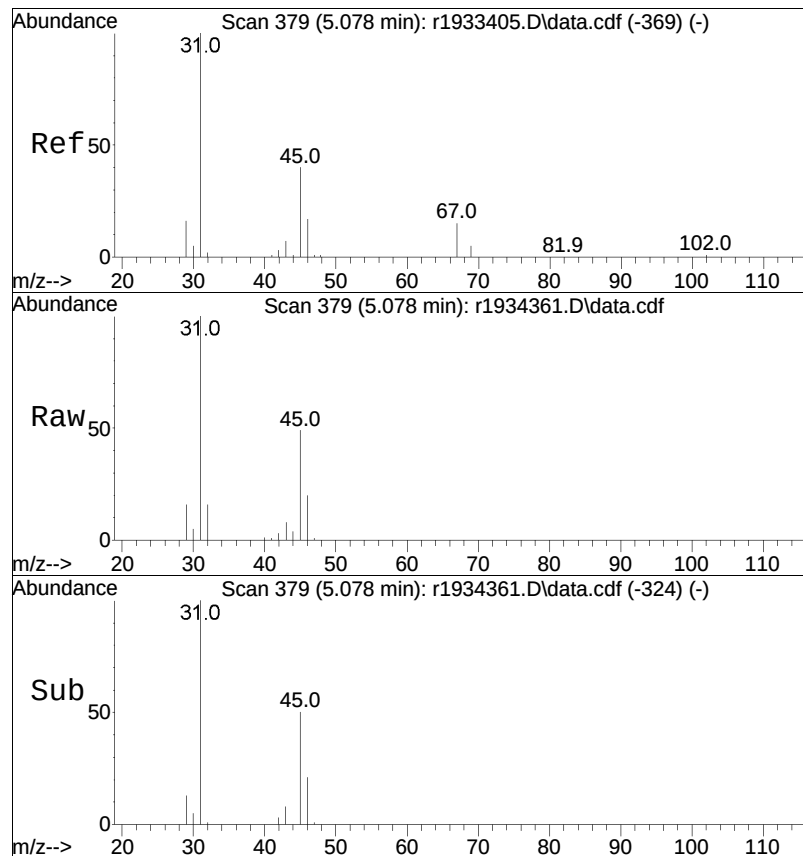




#10
 1,3-butadiene
 Concen: 1.63 ppbV m
 RT: 4.550 min Scan# 291
 Delta R.T. 0.006 min
 Lab File: r1934361.D
 Acq: 8 May 2025 3:32 AM

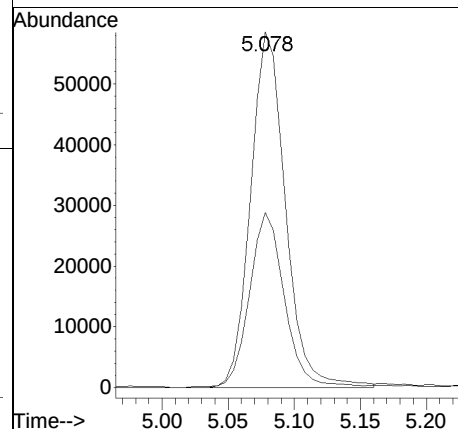
Tgt Ion:	54	Resp:	31190
Ion Ratio	Lower	Upper	
54	100		
39	107.3	84.2	126.4

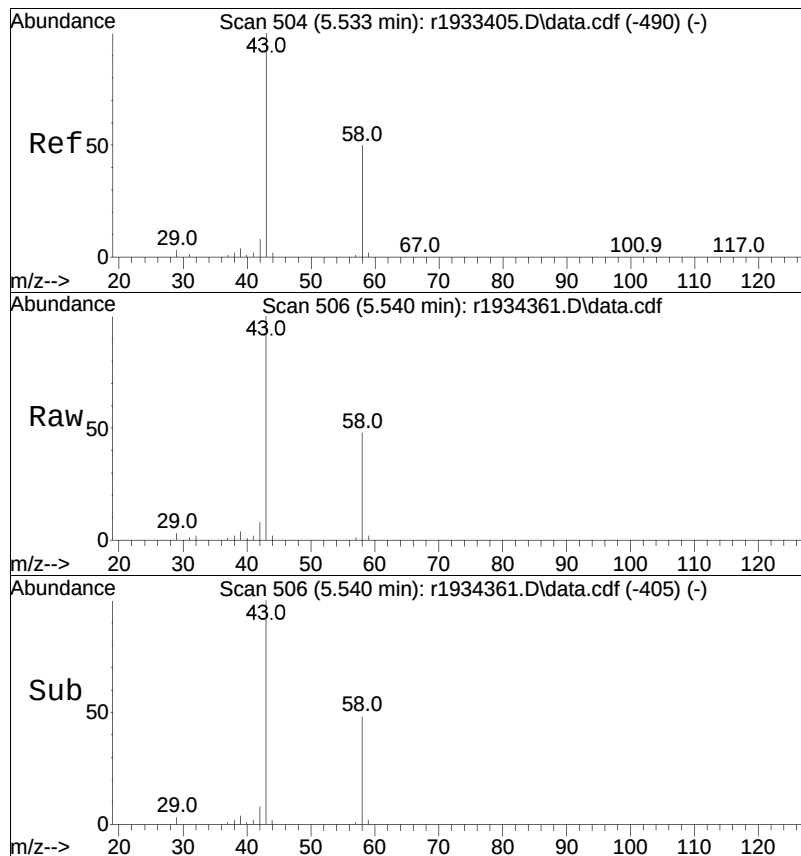




#15
ethanol
Concen: 5.52 ppbV
RT: 5.078 min Scan# 379
Delta R.T. 0.000 min
Lab File: r1934361.D
Acq: 8 May 2025 3:32 AM

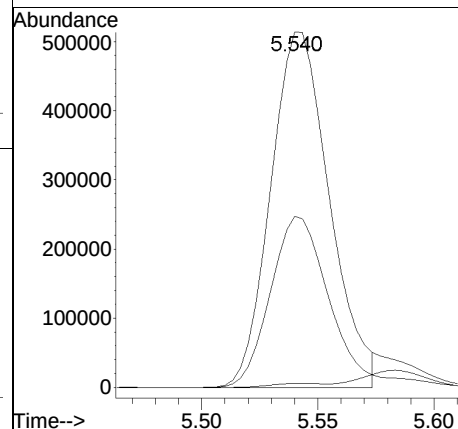
Tgt Ion	Ratio	Lower	Upper
31	100		
45	49.2	31.8	47.8#

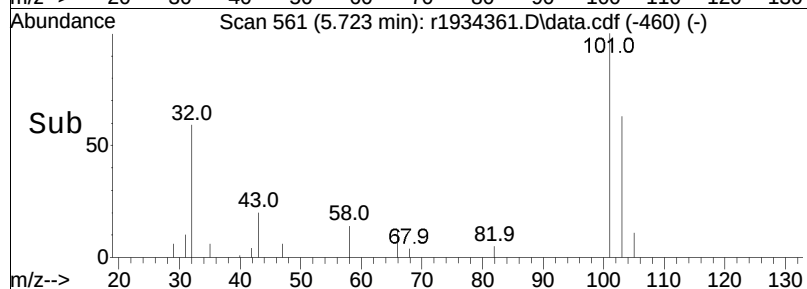
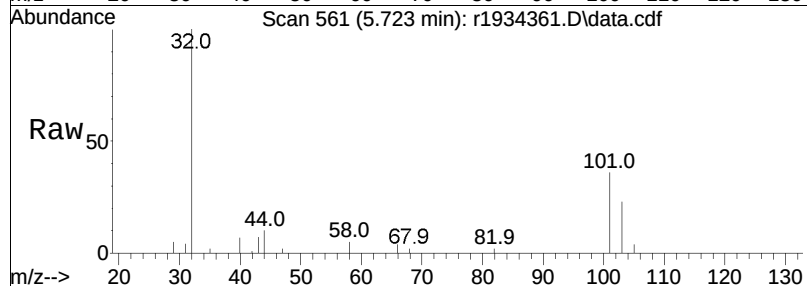
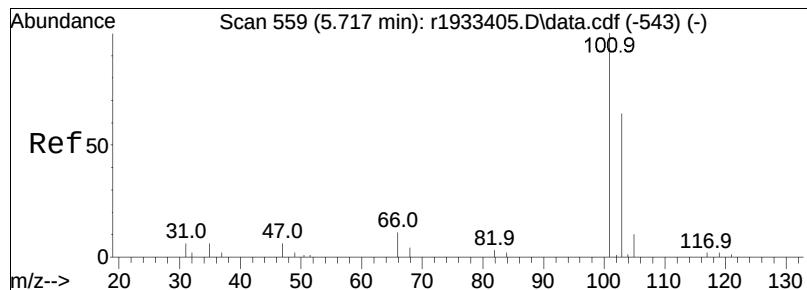




#19
acetone
Concen: 25.68 ppbV m
RT: 5.540 min Scan# 506
Delta R.T. 0.007 min
Lab File: r1934361.D
Acq: 8 May 2025 3:32 AM

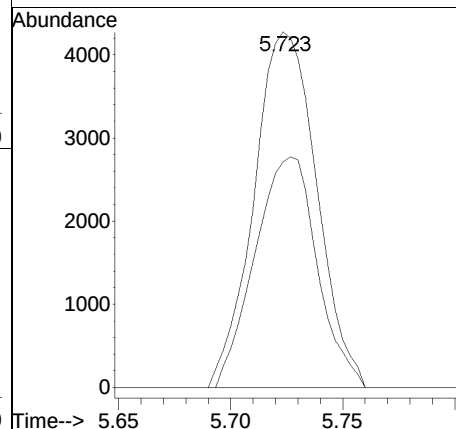
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	902872		
58	48.1		40.4	60.6
57	1.1		1.0	1.4

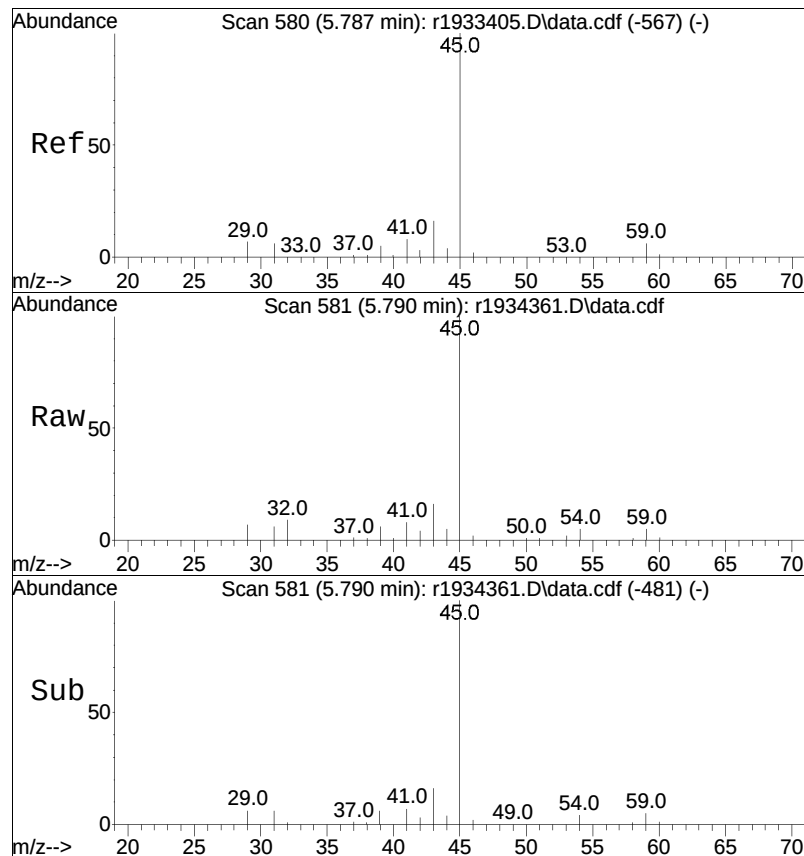




#21
trichlorofluoromethane
Concen: 0.19 ppbV
RT: 5.723 min Scan# 561
Delta R.T. 0.007 min
Lab File: r1934361.D
Acq: 8 May 2025 3:32 AM

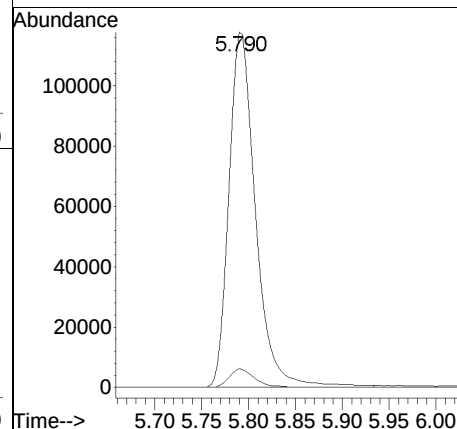
Tgt Ion:101 Resp: 8328
Ion Ratio Lower Upper
101 100
103 63.5 51.0 76.4

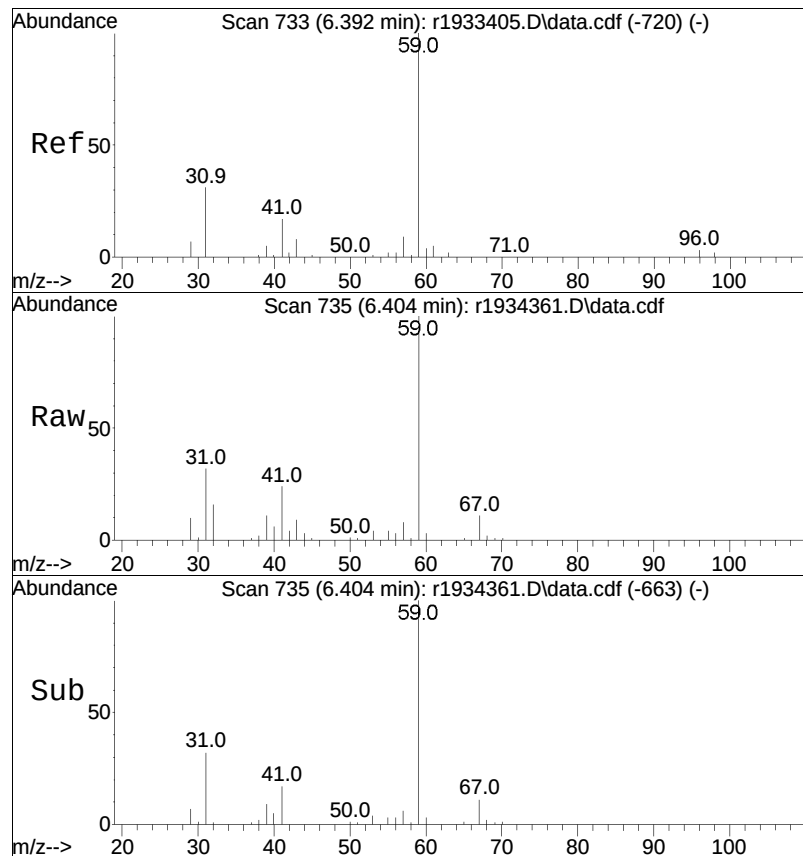




#22
isopropyl alcohol
Concen: 5.75 ppbV
RT: 5.790 min Scan# 581
Delta R.T. 0.003 min
Lab File: r1934361.D
Acq: 8 May 2025 3:32 AM

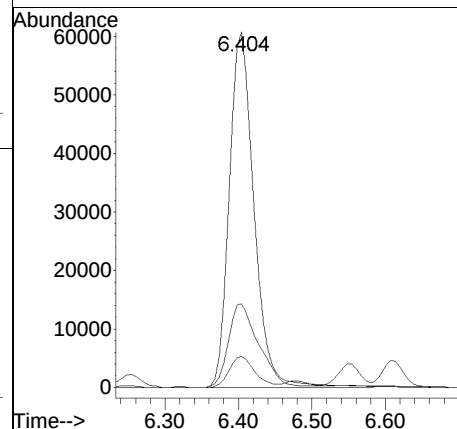
Tgt	Ion	Ratio	Lower	Upper
45	100			
59	5.2	4.4	6.6	

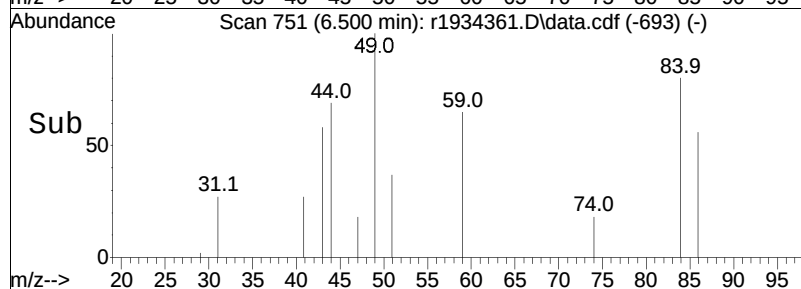
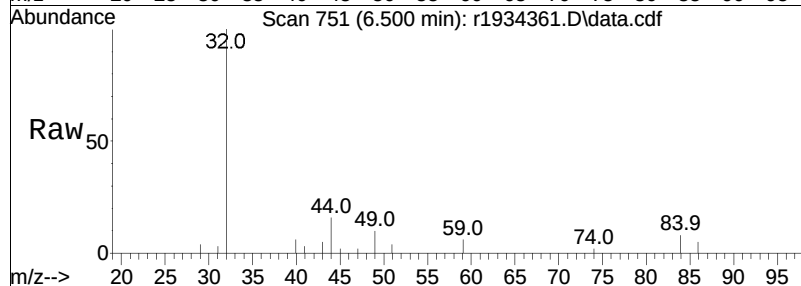
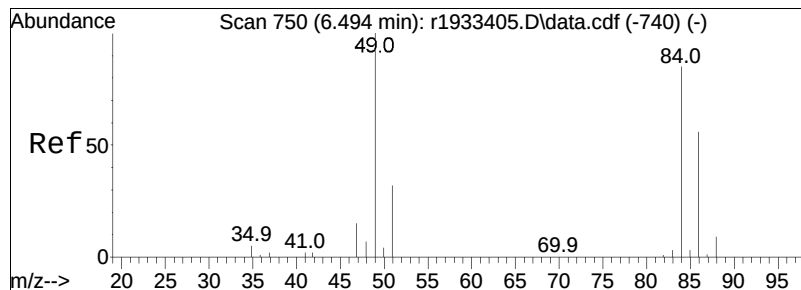




#27
 tertiary butyl alcohol
 Concen: 2.25 ppbV
 RT: 6.404 min Scan# 735
 Delta R.T. 0.012 min
 Lab File: r1934361.D
 Acq: 8 May 2025 3:32 AM

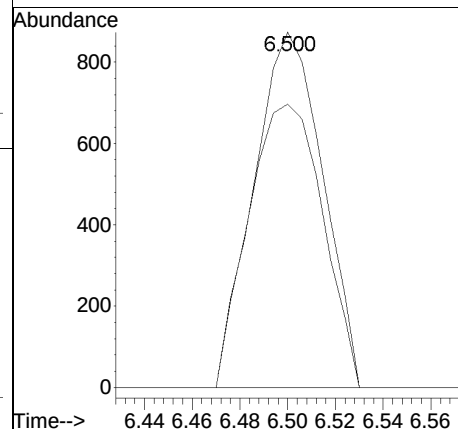
Tgt Ion:	59	Resp:	142516
Ion Ratio	Lower	Upper	
59	100		
41	23.6	14.0	21.0#
43	8.7	6.3	9.5

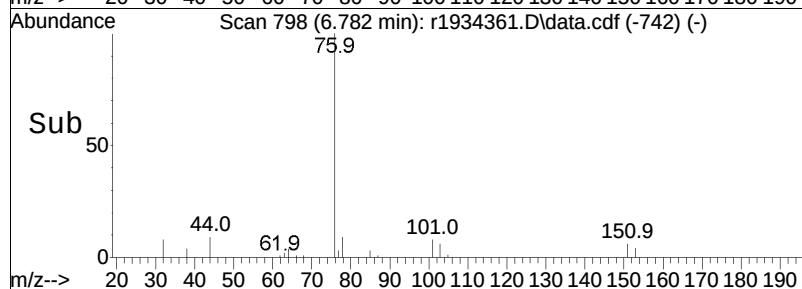
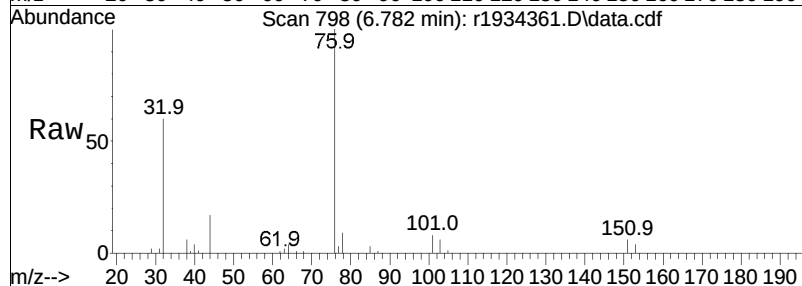
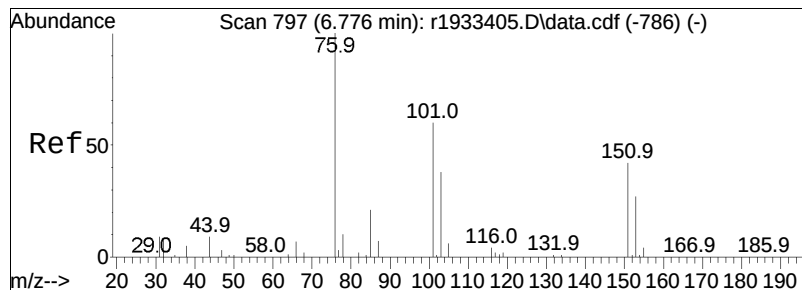




#28
 methylene chloride
 Concen: 0.07 ppbV
 RT: 6.500 min Scan# 751
 Delta R.T. 0.006 min
 Lab File: r1934361.D
 Acq: 8 May 2025 3:32 AM

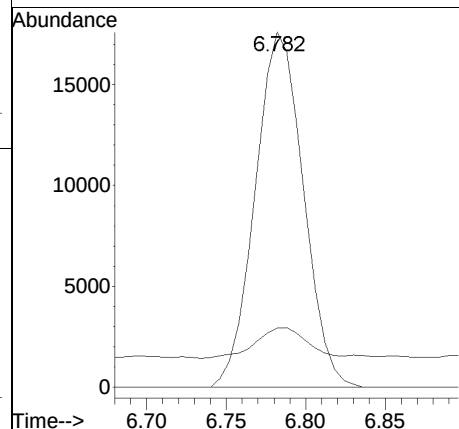
Tgt Ion:	49	84	Ratio	100	79.7	Resp:	1754	Lower	Upper
								68.4	102.6

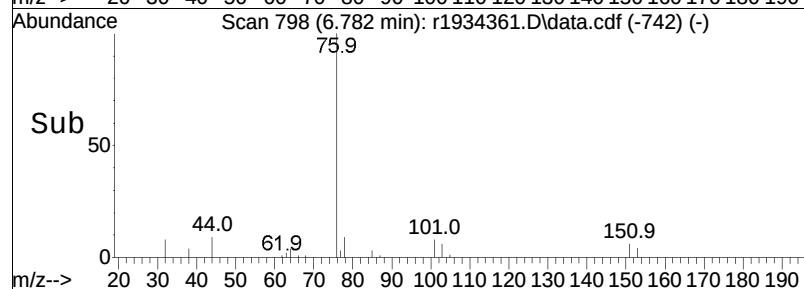
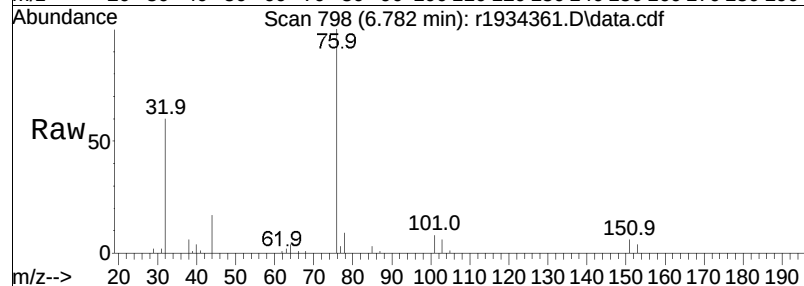
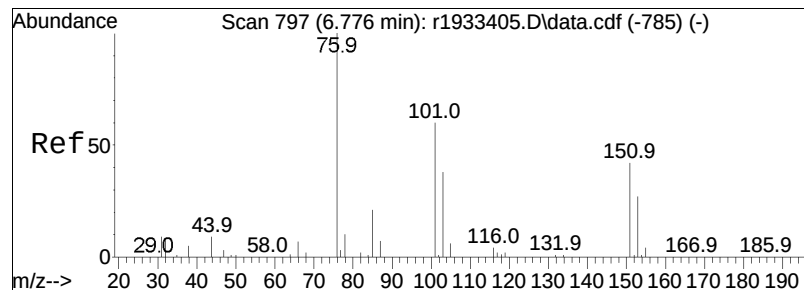




#30
carbon disulfide
Concen: 0.51 ppbV
RT: 6.782 min Scan# 798
Delta R.T. 0.006 min
Lab File: r1934361.D
Acq: 8 May 2025 3:32 AM

Tgt	Ion	Ratio	Lower	Upper
76	100			
44	16.7	7.0	10.6	





#31

Freon 113

Concen: 0.07 ppbV

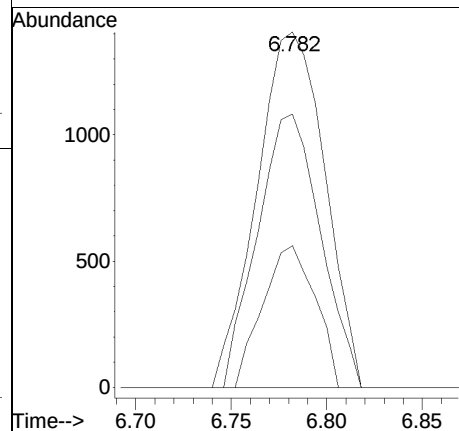
RT: 6.782 min Scan# 798

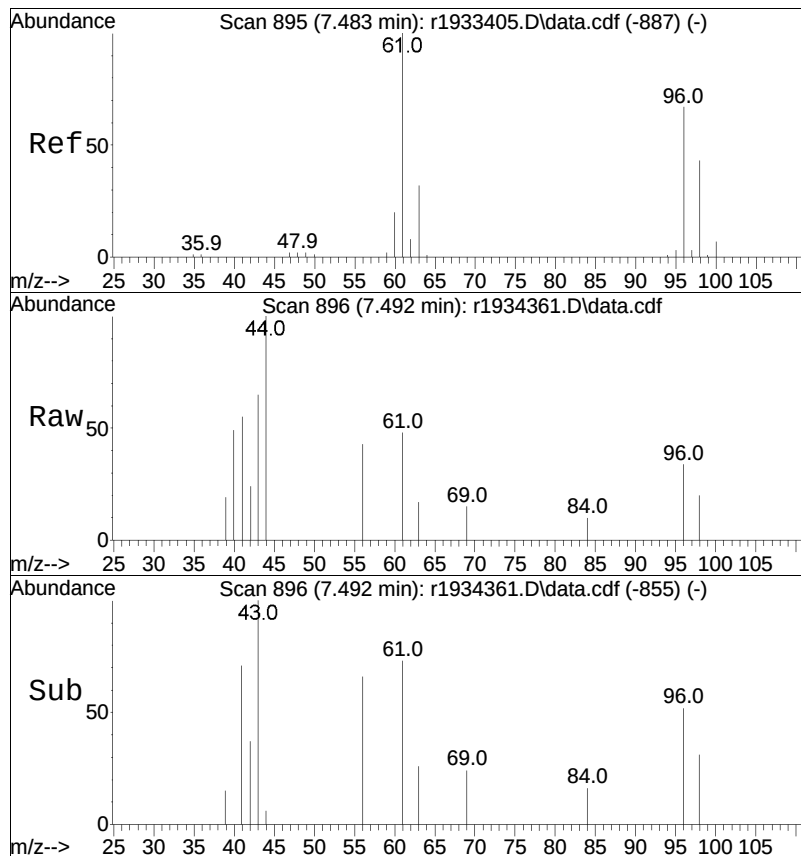
Delta R.T. 0.006 min

Lab File: r1934361.D

Acq: 8 May 2025 3:32 AM

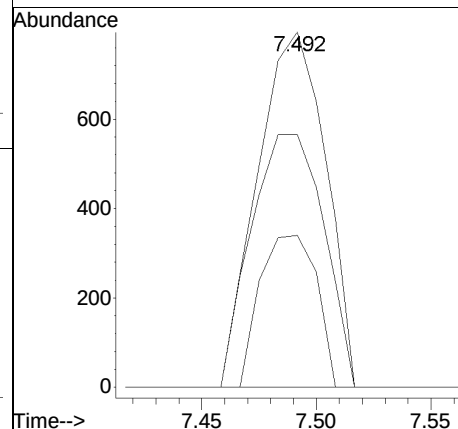
Tgt	Ion:101	Resp:	3489
Ion	Ratio	Lower	Upper
101	100		
85	39.9	27.7	41.5
151	76.9	56.6	85.0

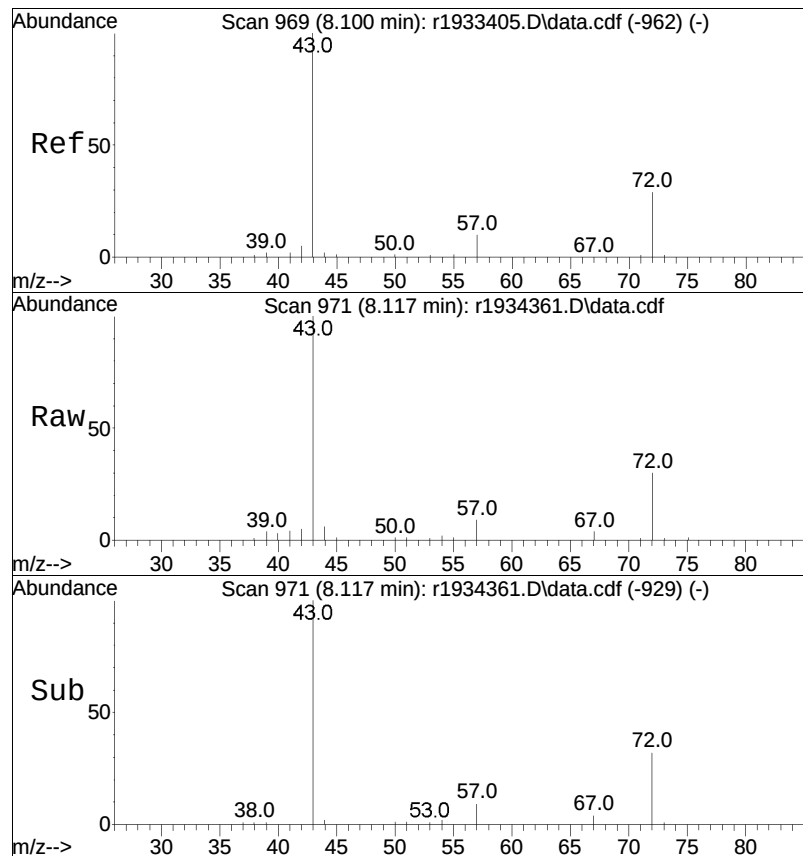




#32
trans-1,2-dichloroethene
Concen: 0.04 ppbV
RT: 7.492 min Scan# 896
Delta R.T. 0.008 min
Lab File: r1934361.D
Acq: 8 May 2025 3:32 AM

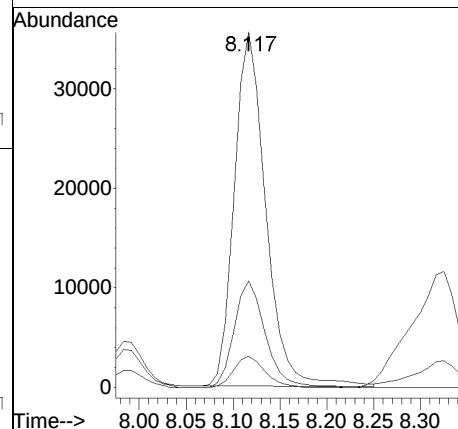
Tgt Ion:	61	Resp:	1646
Ion Ratio	Lower	Upper	
61	100		
96	71.2	53.8	80.6
98	42.8	34.3	51.5

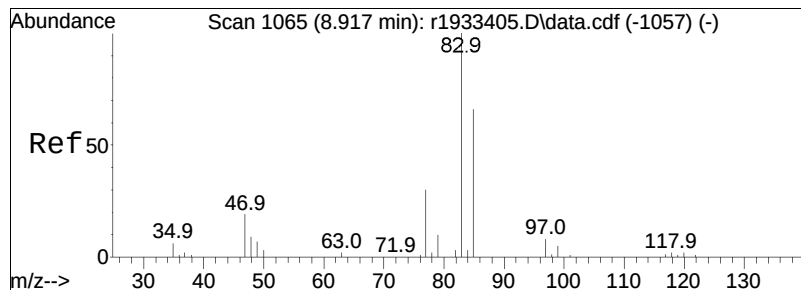




#36
 2-butanone
 Concen: 1.48 ppbV
 RT: 8.117 min Scan# 971
 Delta R.T. 0.017 min
 Lab File: r1934361.D
 Acq: 8 May 2025 3:32 AM

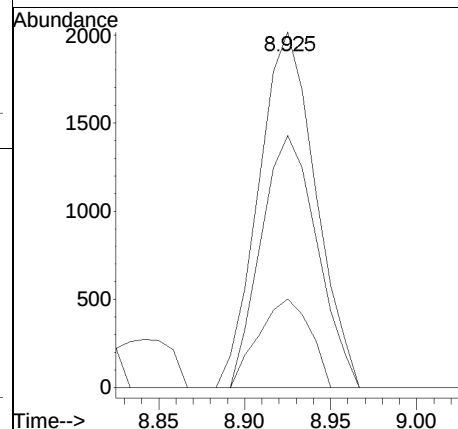
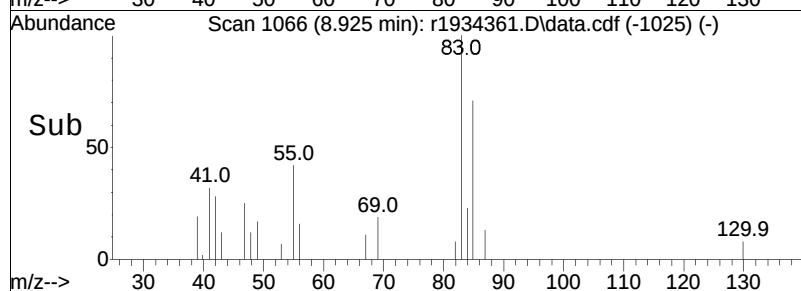
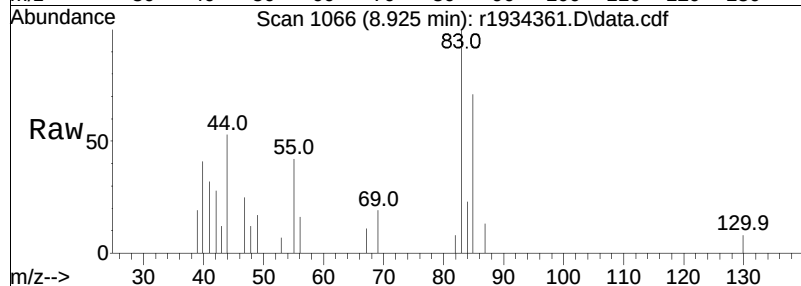
Tgt Ion:	43	Resp:	83091
Ion Ratio	Lower	Upper	
43	100		
72	30.0	23.3	34.9
57	8.8	7.9	11.9

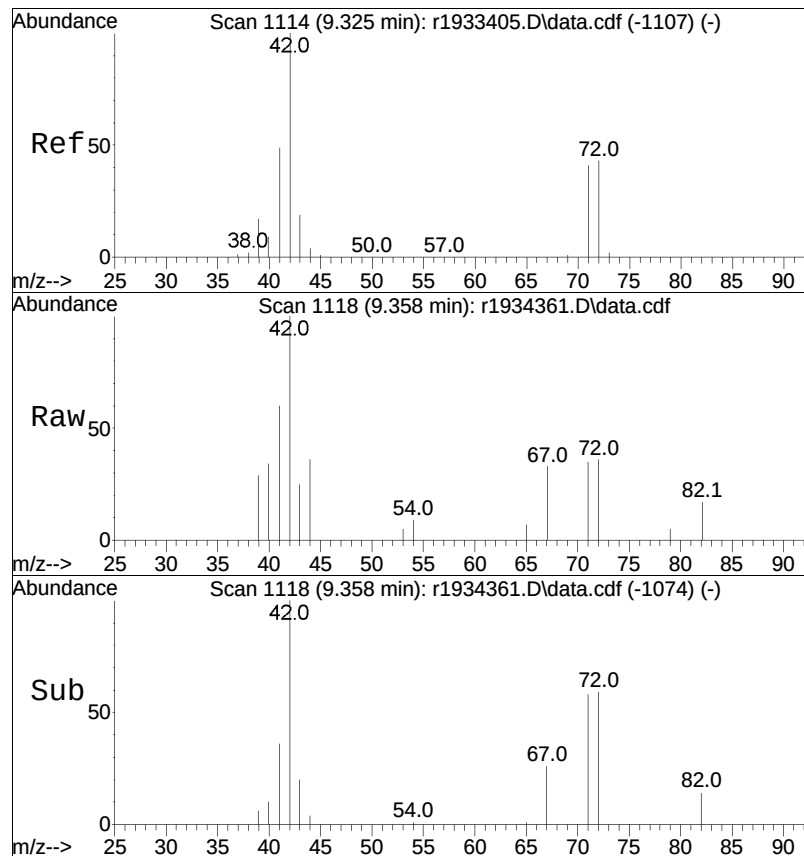




#39
chloroform
Concen: 0.11 ppbV
RT: 8.925 min Scan# 1066
Delta R.T. 0.008 min
Lab File: r1934361.D
Acq: 8 May 2025 3:32 AM

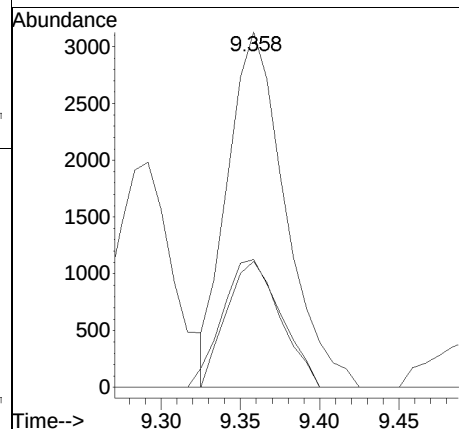
Tgt Ion:	83	Resp:	4669
Ion Ratio	Lower	Upper	
83	100		
85	70.8	53.4	80.0
47	24.9	15.0	22.4

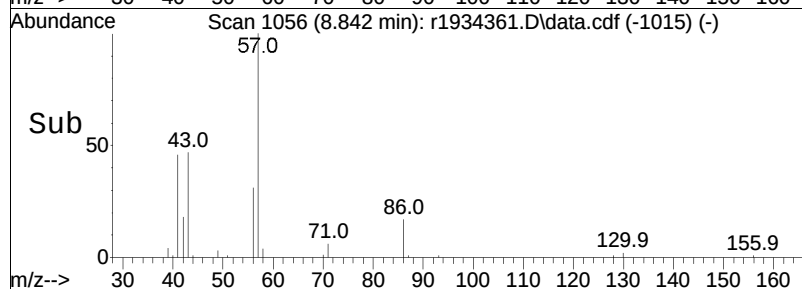
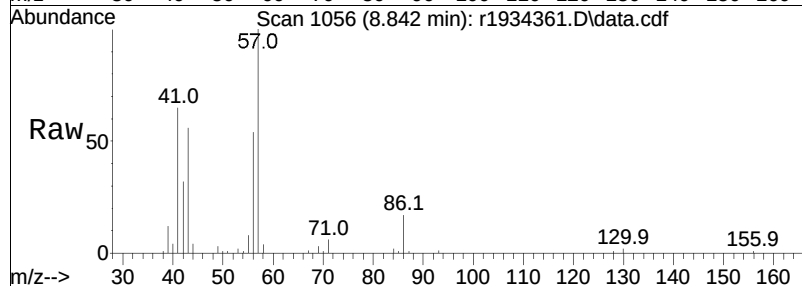
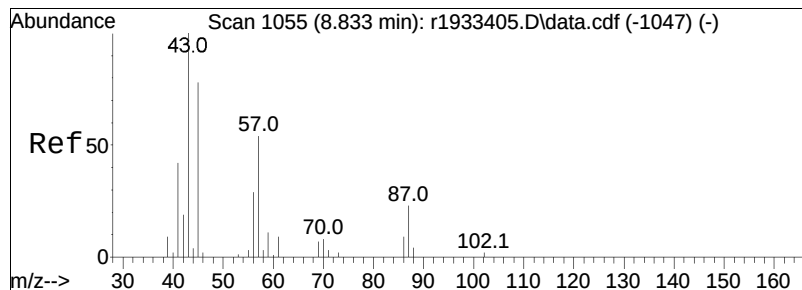




#40
Tetrahydrofuran
Concen: 0.25 ppbV
RT: 9.358 min Scan# 1118
Delta R.T. 0.033 min
Lab File: r1934361.D
Acq: 8 May 2025 3:32 AM

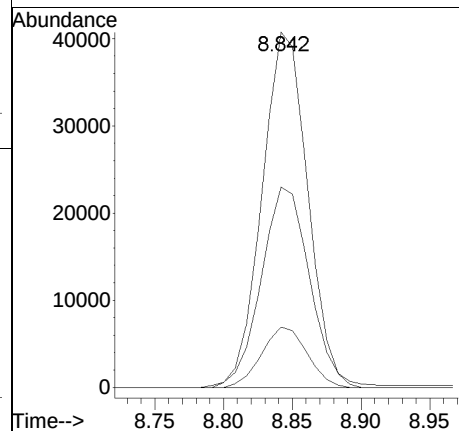
Tgt Ion	Ratio	Lower	Upper
42	100		
71	35.5	32.6	48.8
72	36.0	34.6	52.0

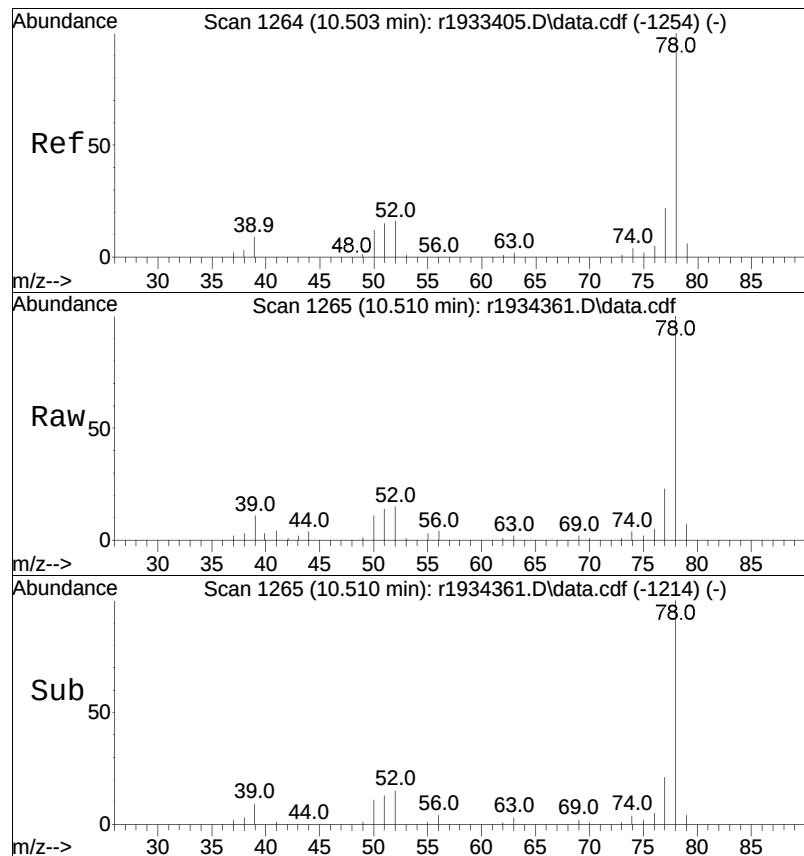




#44
hexane
Concen: 1.49 ppbV
RT: 8.842 min Scan# 1056
Delta R.T. 0.008 min
Lab File: r1934361.D
Acq: 8 May 2025 3:32 AM

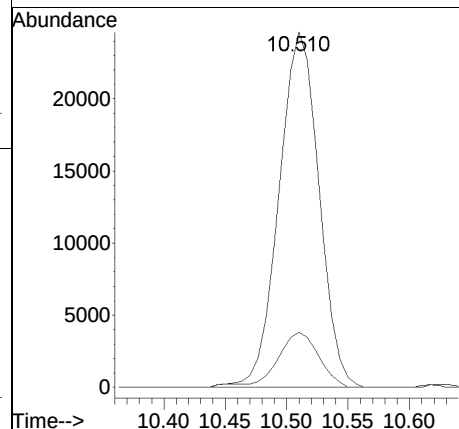
Tgt Ion:	57	Resp:	93837
Ion Ratio	100	Lower	Upper
43	56.4	148.0	222.0#
86	17.0	13.7	20.5

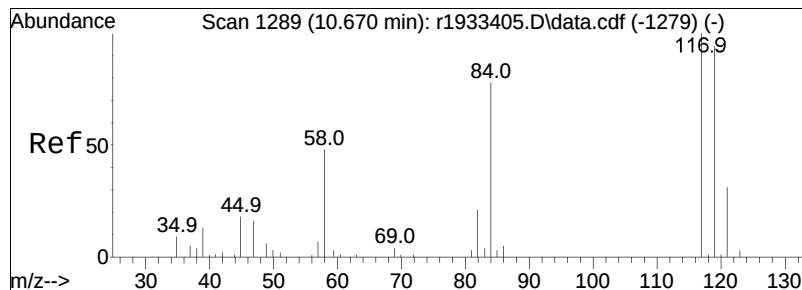




#50
benzene
Concen: 0.62 ppbV
RT: 10.510 min Scan# 1265
Delta R.T. 0.007 min
Lab File: r1934361.D
Acq: 8 May 2025 3:32 AM

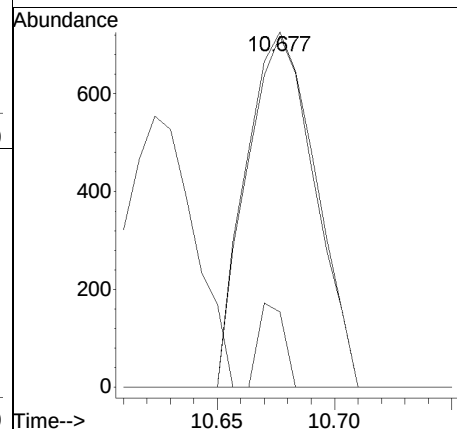
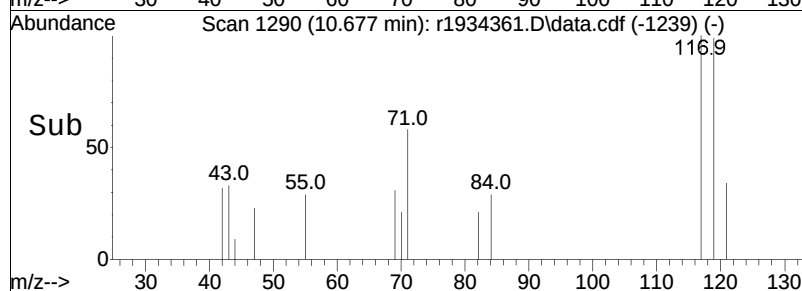
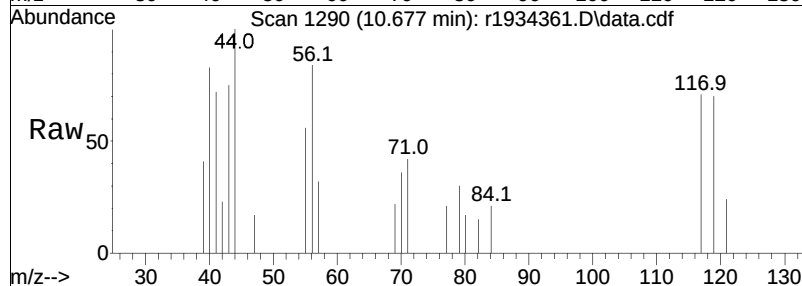
Tgt Ion	Ratio	Lower	Upper
78	100		
52	15.5	13.2	19.8

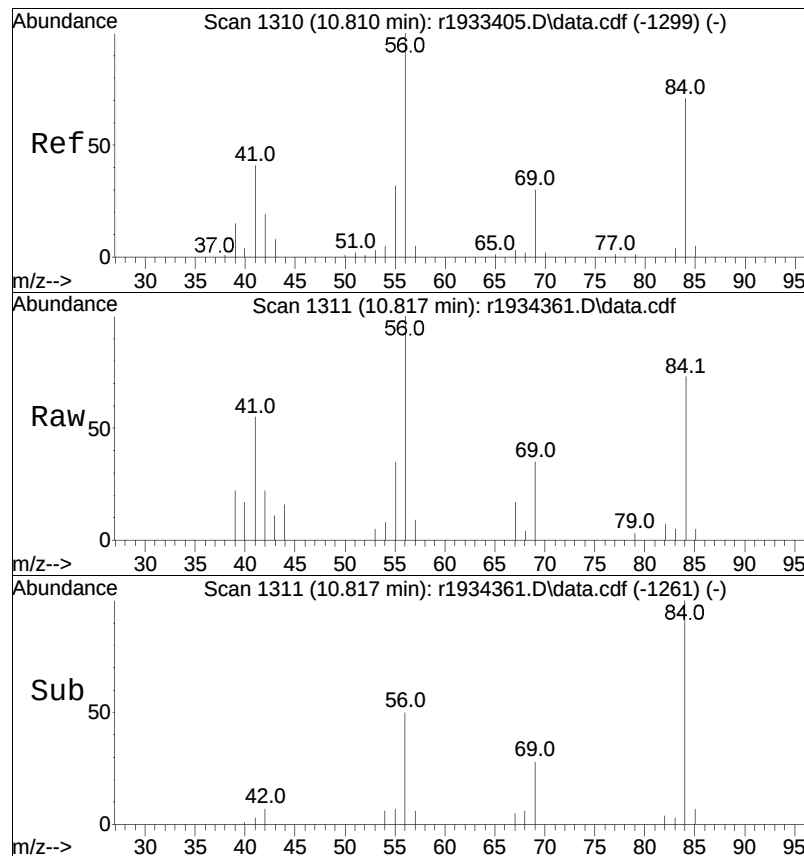




#52
 carbon tetrachloride
 Concen: 0.04 ppbV
 RT: 10.677 min Scan# 1290
 Delta R.T. 0.007 min
 Lab File: r1934361.D
 Acq: 8 May 2025 3:32 AM

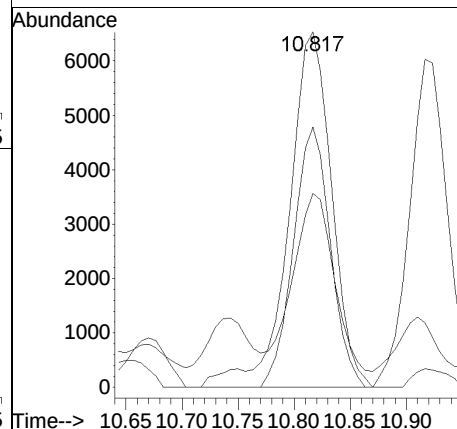
Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	75.6	113.4
82	21.2	16.8	25.2

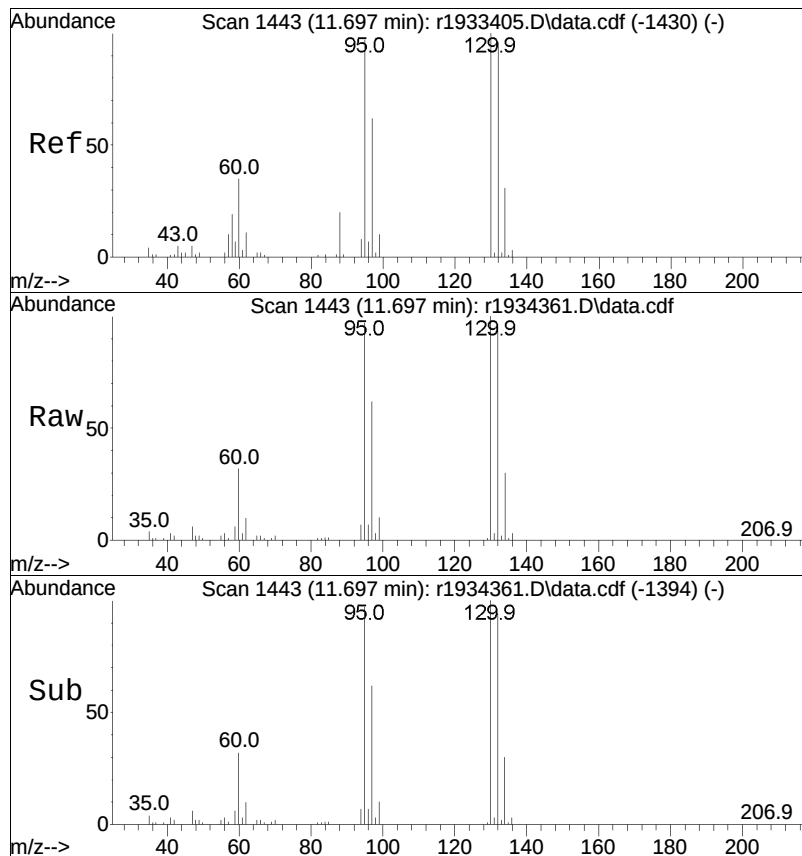




#53
cyclohexane
Concen: 0.29 ppbV
RT: 10.817 min Scan# 1311
Delta R.T. 0.007 min
Lab File: r1934361.D
Acq: 8 May 2025 3:32 AM

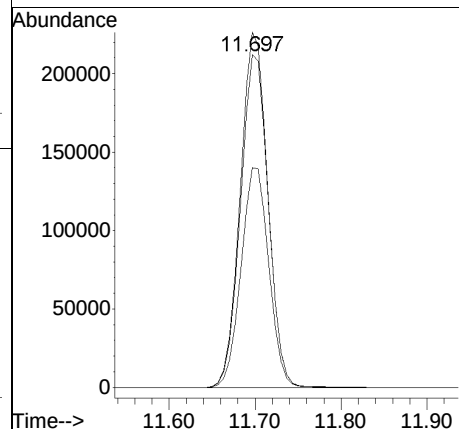
Tgt	Ion	Resp	Lower	Upper
56	100			
84	73.3	56.8	85.2	
41	54.6	32.8	49.2	

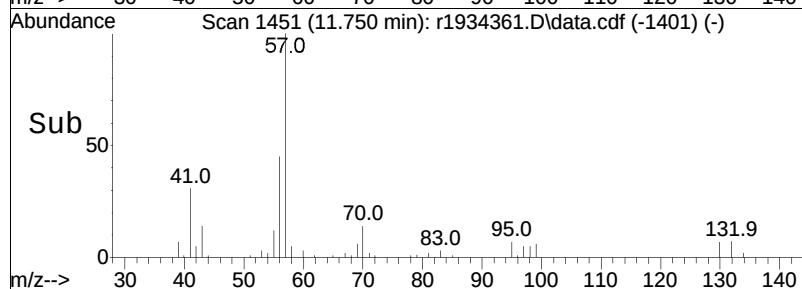
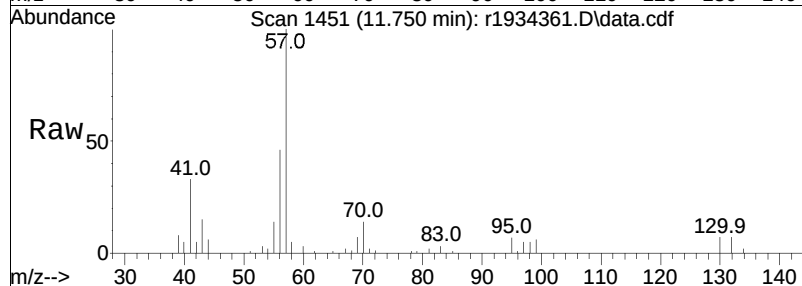
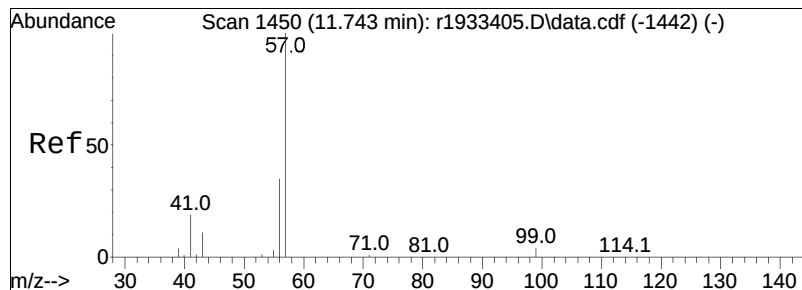




#59
 trichloroethene
 Concen: 12.73 ppbV
 RT: 11.697 min Scan# 1443
 Delta R.T. 0.000 min
 Lab File: r1934361.D
 Acq: 8 May 2025 3:32 AM

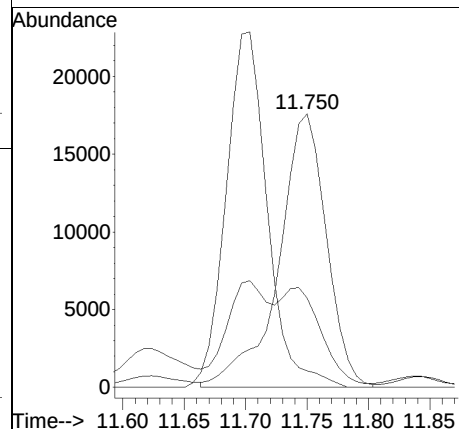
Tgt	Ion	Ratio	Resp	Lower	Upper
130	100		502111		
132	93.6	76.6		114.8	
97	61.8	49.3		73.9	

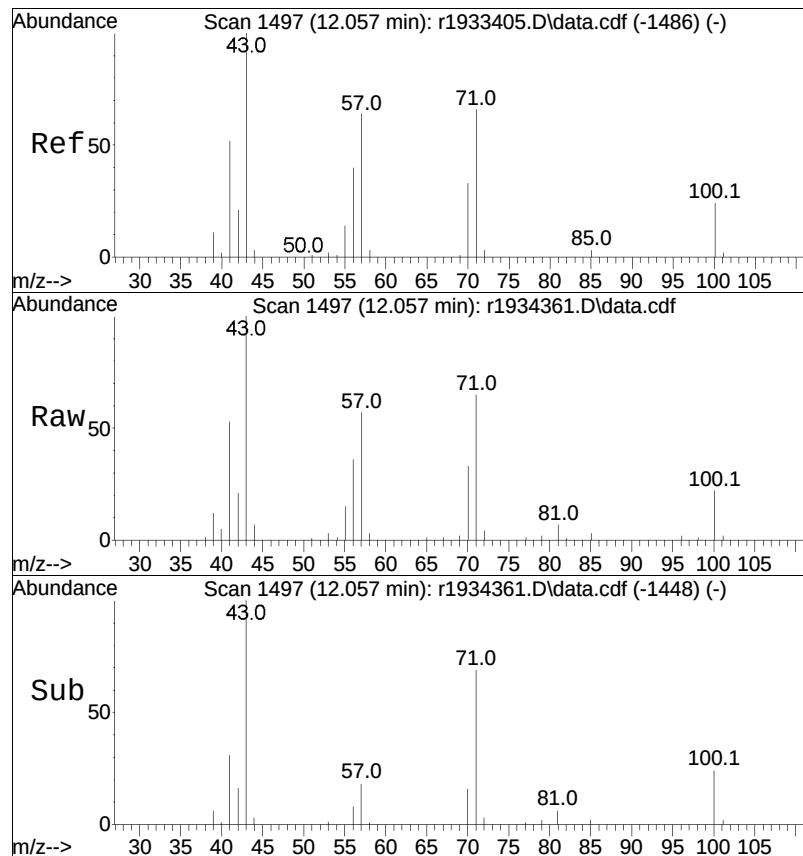




#60
 2,2,4-trimethylpentane
 Concen: 0.27 ppbV
 RT: 11.750 min Scan# 1451
 Delta R.T. 0.007 min
 Lab File: r1934361.D
 Acq: 8 May 2025 3:32 AM

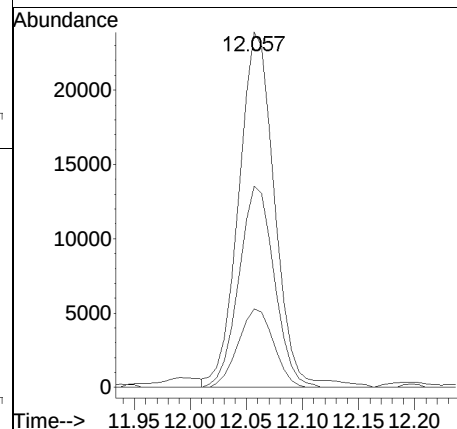
Tgt	Ion	Ratio	Lower	Upper
57	100			
99	6.1	4.7	7.1	
41	32.6	15.1	22.7	

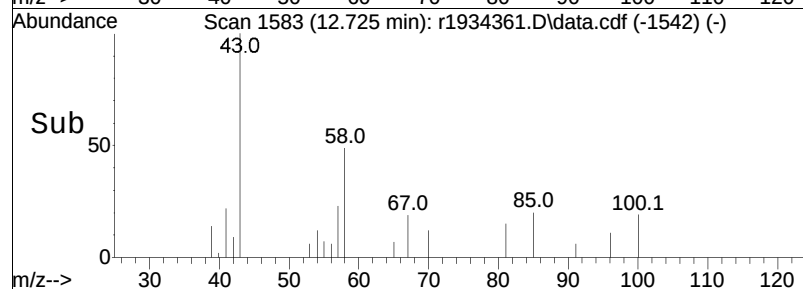
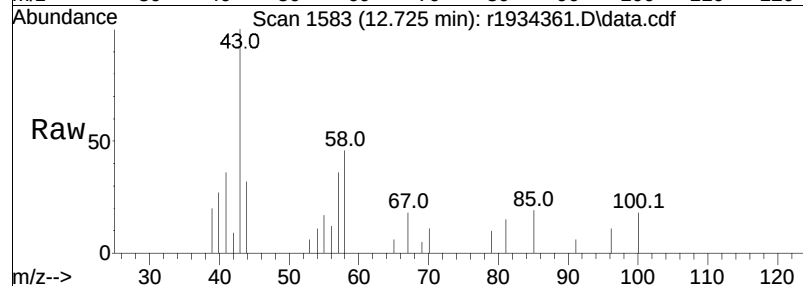
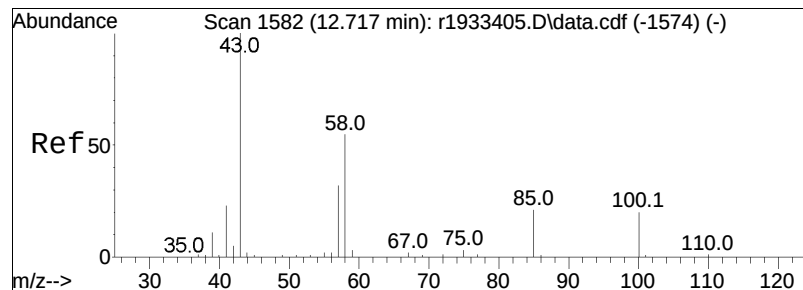




#62
 heptane
 Concen: 0.95 ppbV
 RT: 12.057 min Scan# 1497
 Delta R.T. 0.000 min
 Lab File: r1934361.D
 Acq: 8 May 2025 3:32 AM

Tgt Ion	Ratio	Lower	Upper
43	100		
57	56.6	51.3	76.9
100	22.1	19.3	28.9





#64

4-methyl-2-pentanone

Concen: 0.13 ppbV

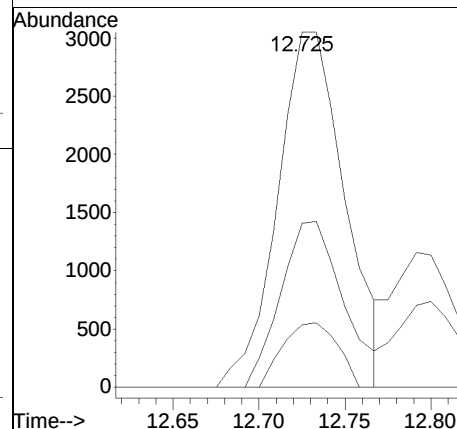
RT: 12.725 min Scan# 1583

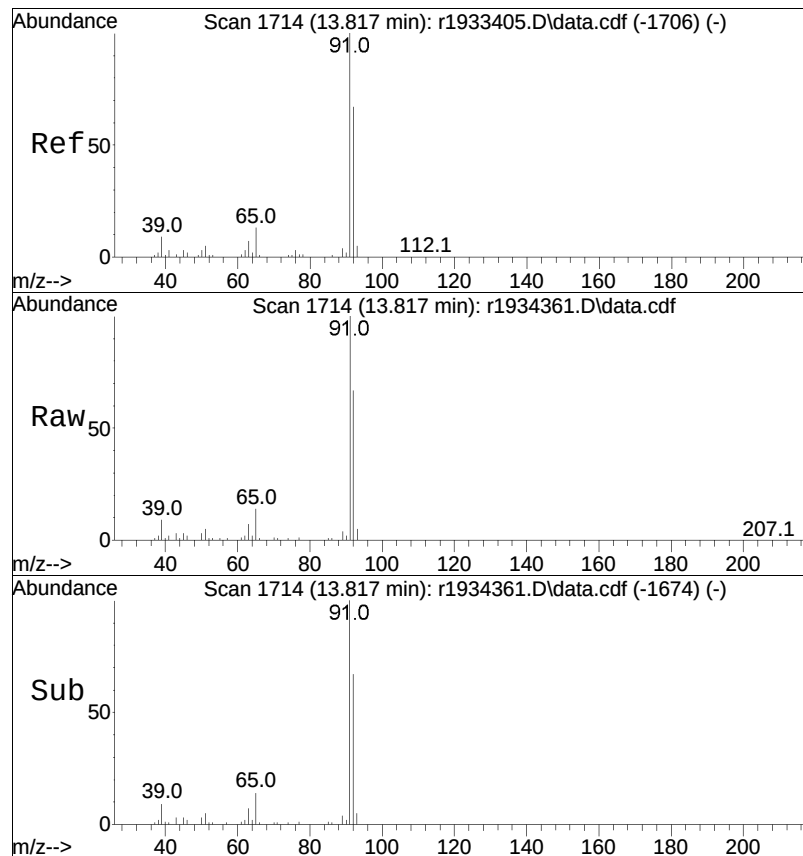
Delta R.T. 0.008 min

Lab File: r1934361.D

Acq: 8 May 2025 3:32 AM

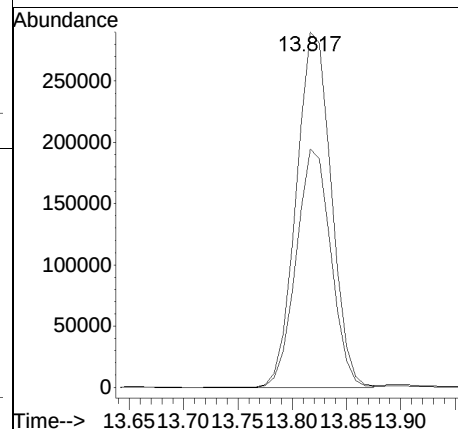
Tgt Ion:	43	Resp:	8315
Ion Ratio	Lower	Upper	
43	100		
58	46.2	44.1	66.1
100	17.6	16.3	24.5

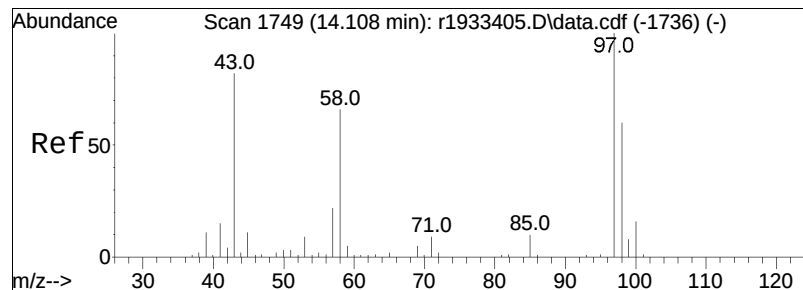




#68
toluene
Concen: 6.43 ppbV
RT: 13.817 min Scan# 1714
Delta R.T. 0.000 min
Lab File: r1934361.D
Acq: 8 May 2025 3:32 AM

Tgt	Ion	Resp	Lower	Upper
91	100	650162		
92	67.1	53.5	80.3	





#72

2-hexanone

Concen: 0.27 ppbV

RT: 14.108 min Scan# 1749

Delta R.T. 0.000 min

Lab File: r1934361.D

Acq: 8 May 2025 3:32 AM

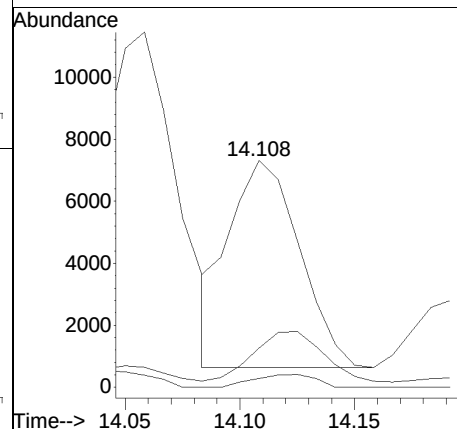
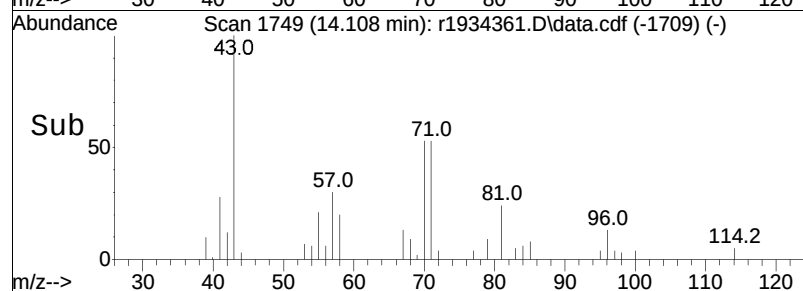
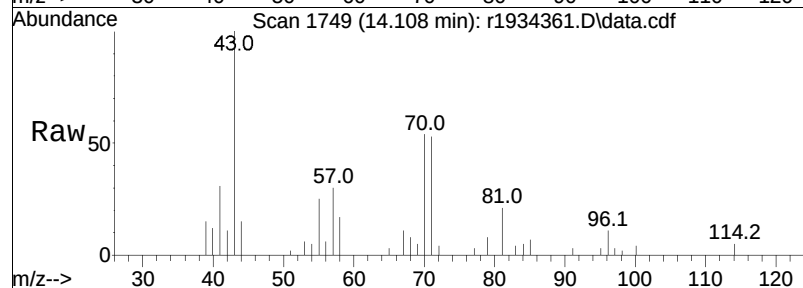
Tgt Ion: 43 Resp: 14348

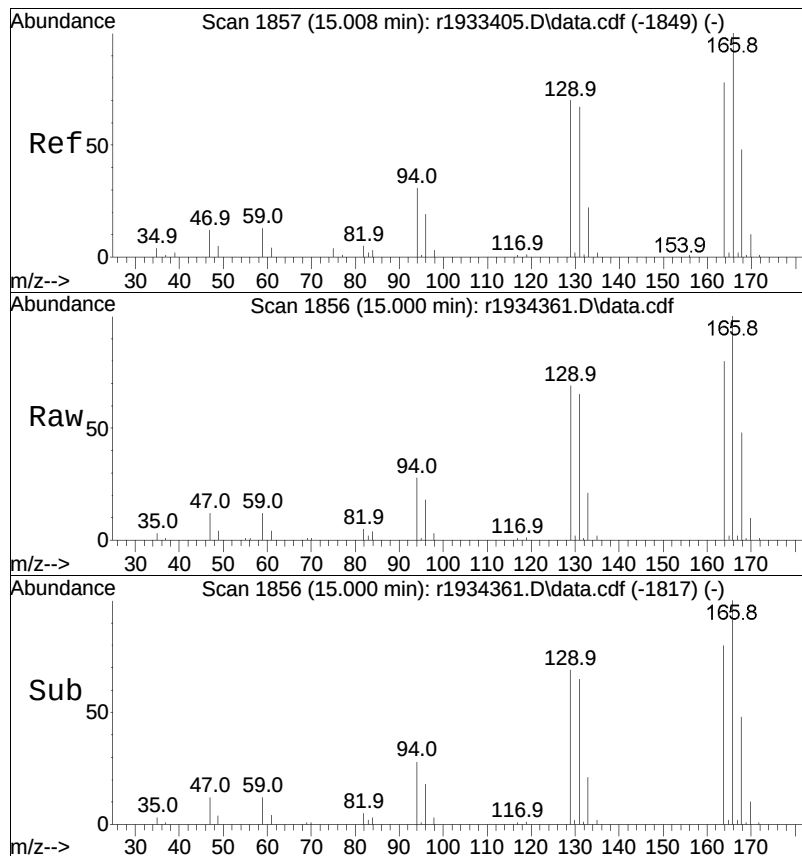
Ion Ratio Lower Upper

43 100

58 17.4 65.2 97.8#

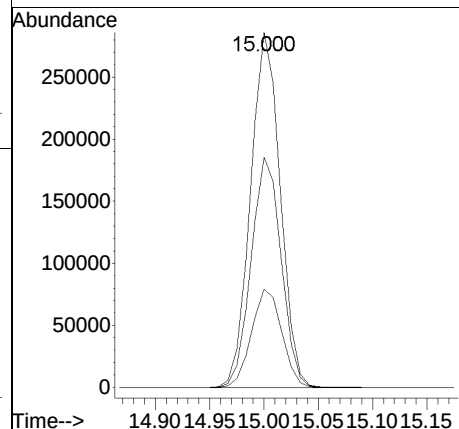
100 3.9 15.7 23.5#

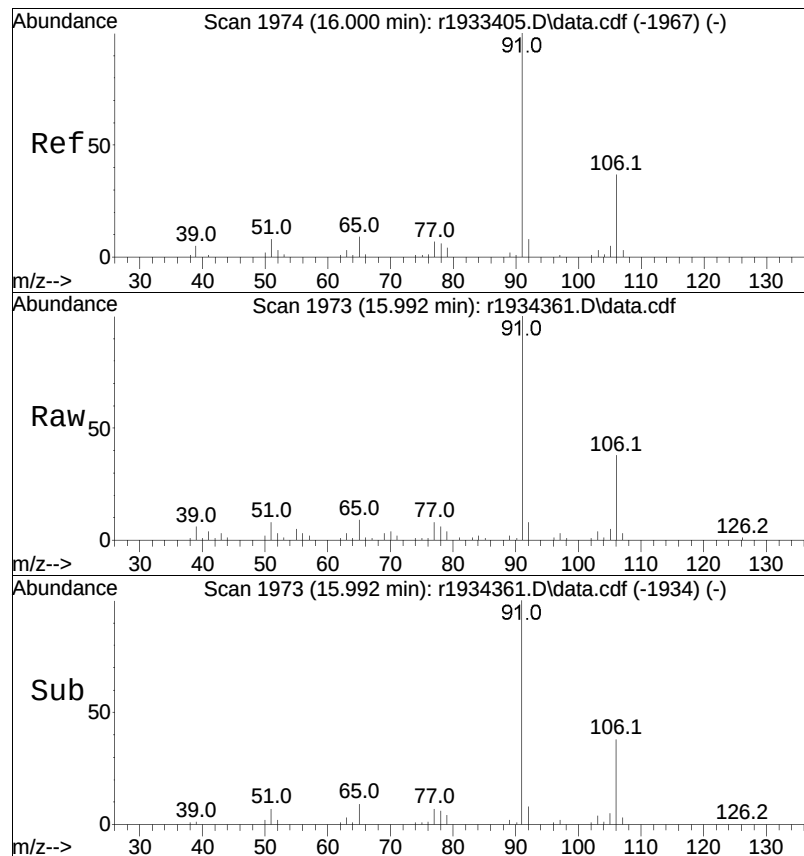




#78
 tetrachloroethene
 Concen: 12.50 ppbV
 RT: 15.000 min Scan# 1856
 Delta R.T. -0.008 min
 Lab File: r1934361.D
 Acq: 8 May 2025 3:32 AM

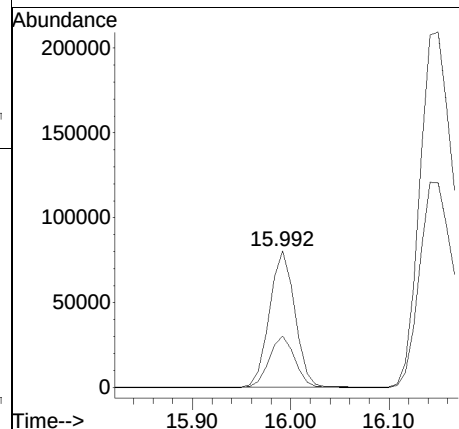
Tgt	Ion:166	Resp:	542965
Ion	Ratio	Lower	Upper
166	100		
131	64.7	53.6	80.4
94	27.7	24.4	36.6

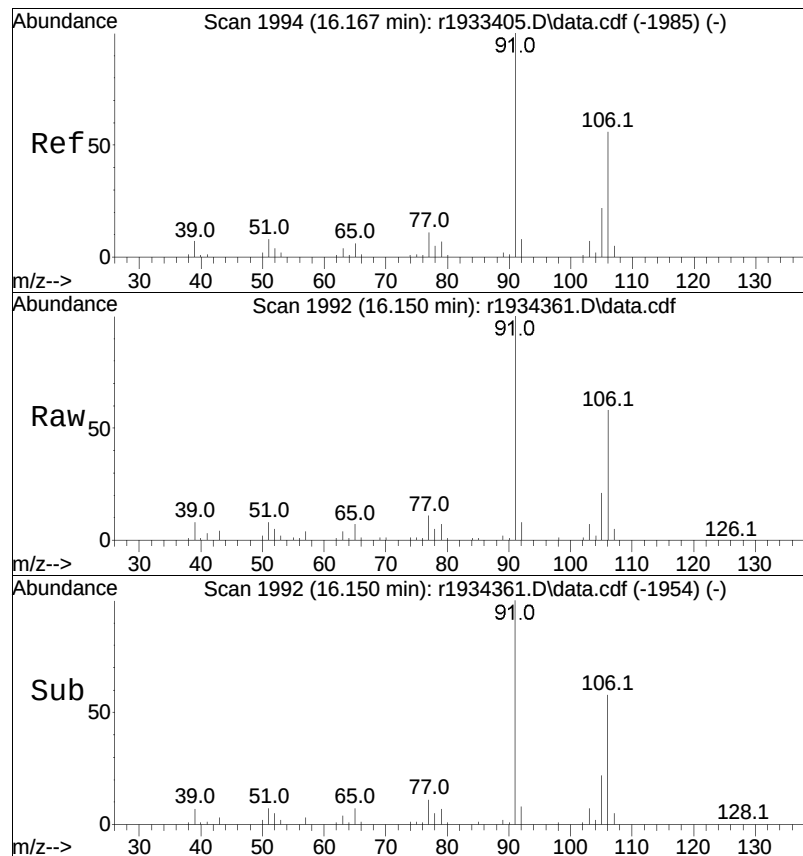




#81
ethylbenzene
Concen: 1.12 ppbV
RT: 15.992 min Scan# 1973
Delta R.T. -0.008 min
Lab File: r1934361.D
Acq: 8 May 2025 3:32 AM

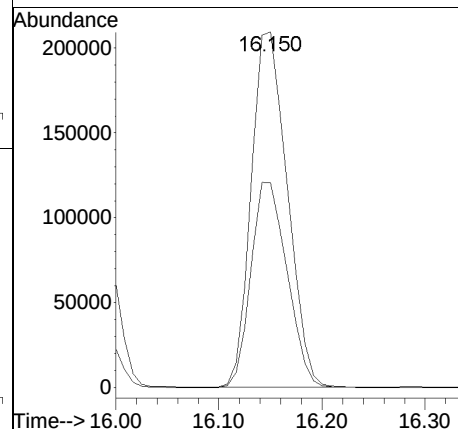
Tgt Ion	Ratio	Lower	Upper
91	100		
106	37.6	29.3	43.9

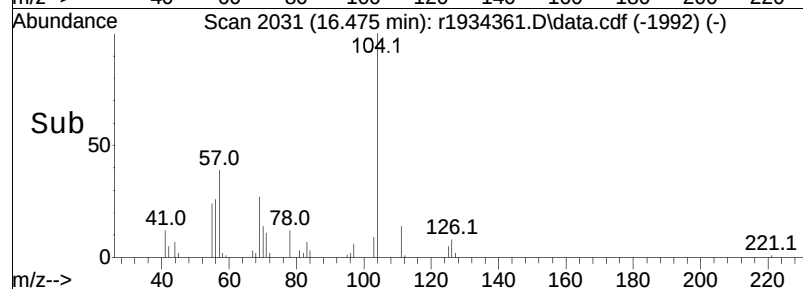
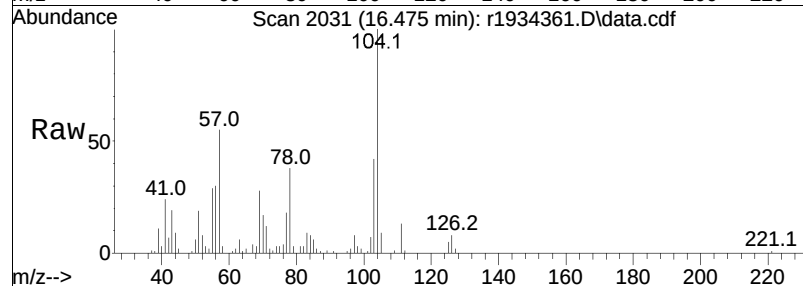
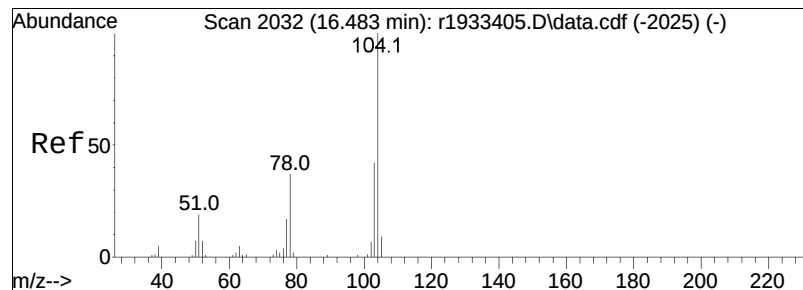




#83
 m+p-xylene
 Concen: 4.96 ppbV
 RT: 16.150 min Scan# 1992
 Delta R.T. -0.017 min
 Lab File: r1934361.D
 Acq: 8 May 2025 3:32 AM

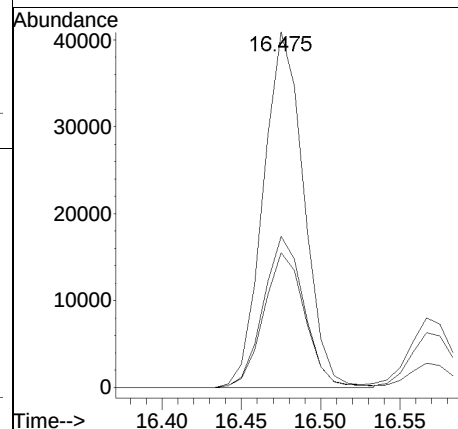
Tgt Ion	Ratio	Lower	Upper
91	100		
106	57.6	44.6	67.0

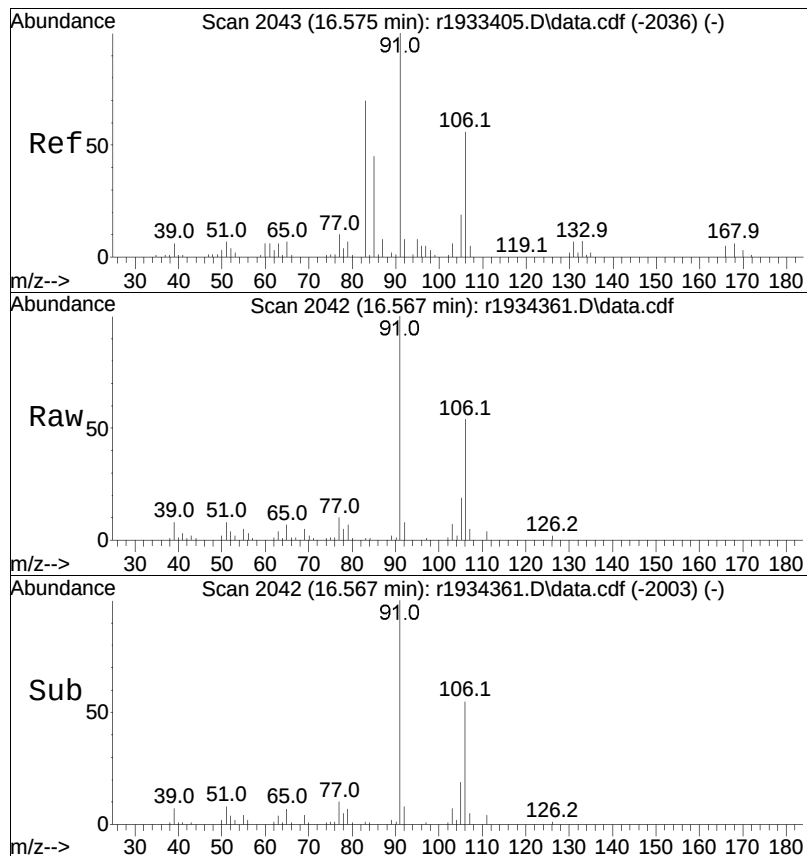




#85
styrene
Concen: 0.85 ppbV
RT: 16.475 min Scan# 2031
Delta R.T. -0.008 min
Lab File: r1934361.D
Acq: 8 May 2025 3:32 AM

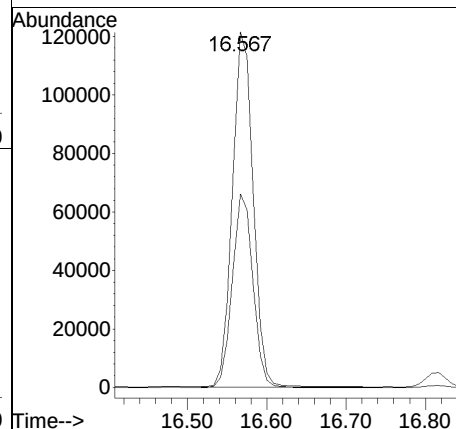
Tgt Ion	Ratio	Lower	Upper
104	100		
103	42.5	33.8	50.6
78	37.9	29.9	44.9

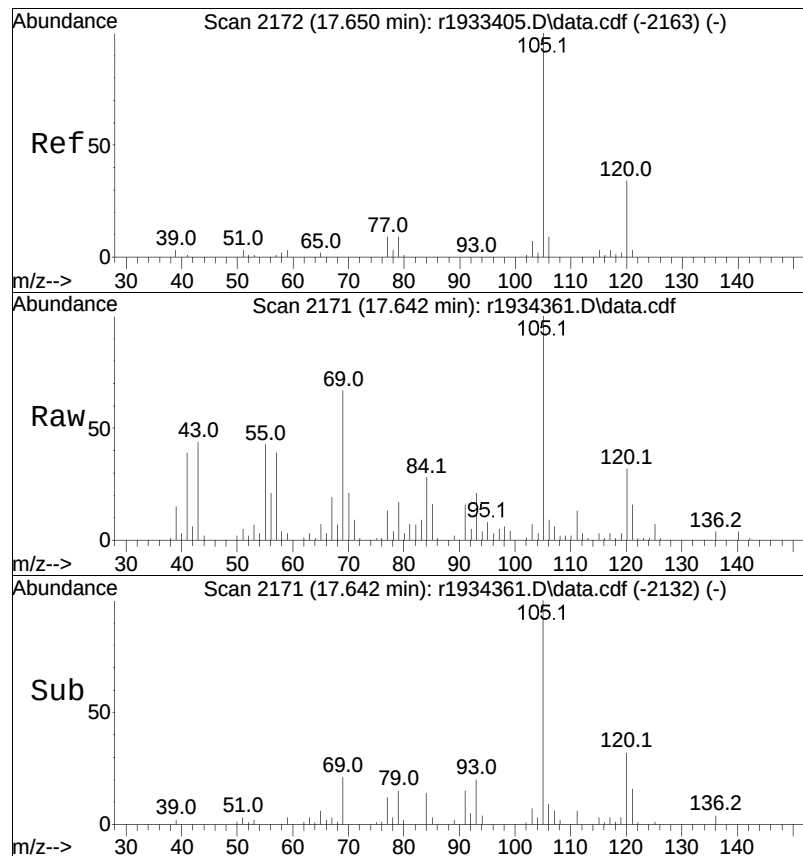




#87
 o-xylene
 Concen: 2.20 ppbV
 RT: 16.567 min Scan# 2042
 Delta R.T. -0.008 min
 Lab File: r1934361.D
 Acq: 8 May 2025 3:32 AM

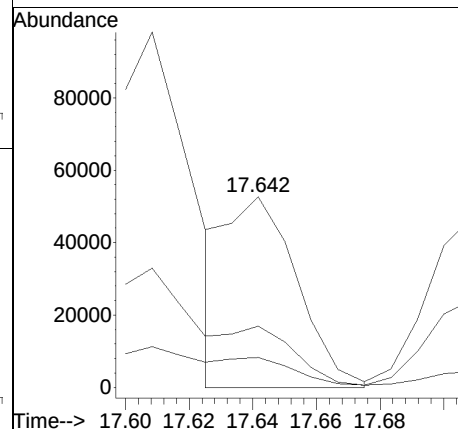
Tgt Ion:	91	106	Ratio	Lower	Upper
Resp:	220105				
	100				
		54.4		44.5	66.7

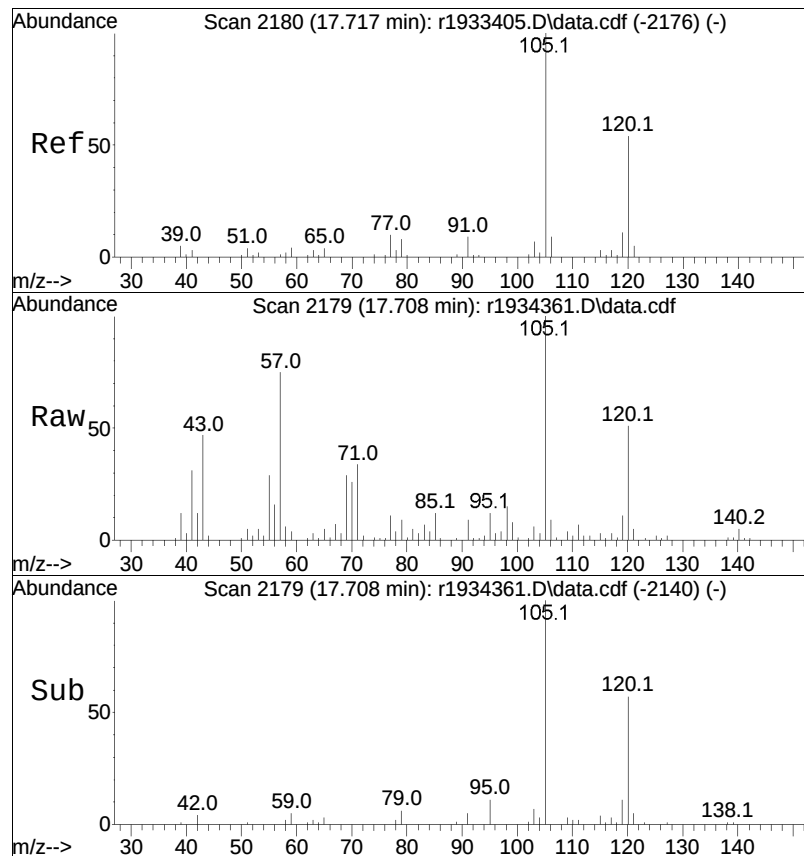




#96
 4-ethyl toluene
 Concen: 0.62 ppbV m
 RT: 17.642 min Scan# 2171
 Delta R.T. -0.008 min
 Lab File: r1934361.D
 Acq: 8 May 2025 3:32 AM

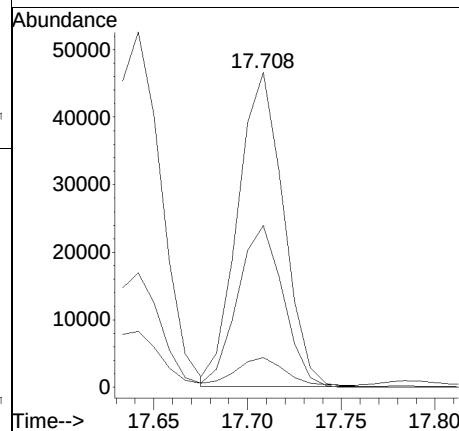
Tgt Ion:	105	Resp:	81640
Ion Ratio	Lower	Upper	
105	100		
120	32.2	27.0	40.6
91	15.7	7.8	11.8#

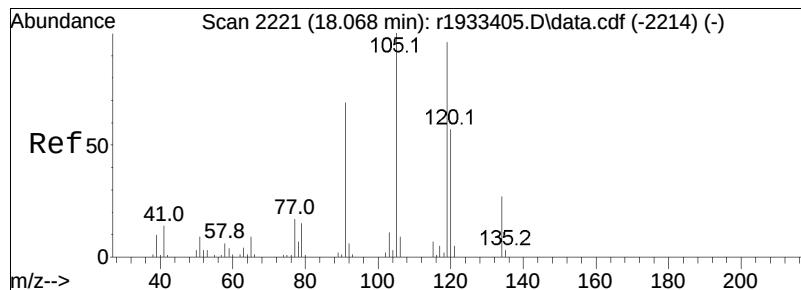




#97
 1,3,5-trimethylbenzene
 Concen: 0.68 ppbV
 RT: 17.708 min Scan# 2179
 Delta R.T. -0.008 min
 Lab File: r1934361.D
 Acq: 8 May 2025 3:32 AM

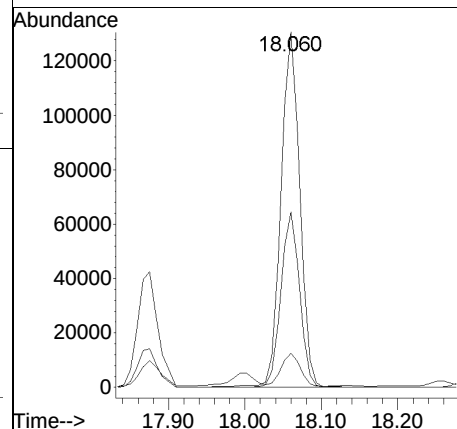
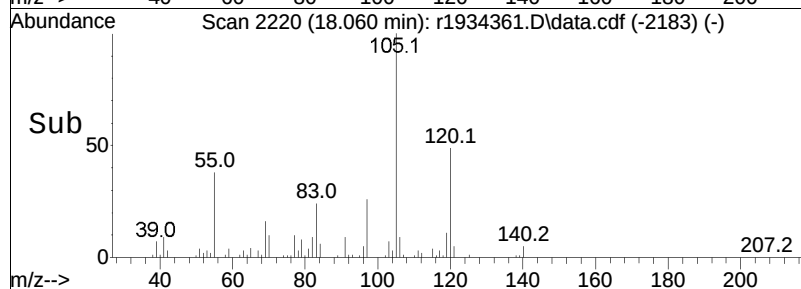
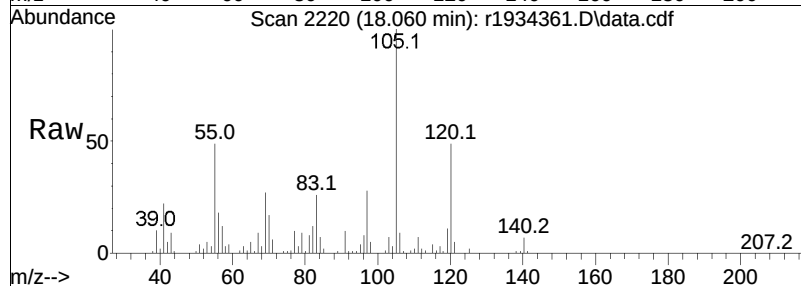
Tgt Ion:	105	Resp:	78590
Ion Ratio	Lower	Upper	
105	100		
120	51.4	42.5	63.7
91	9.5	7.4	11.2

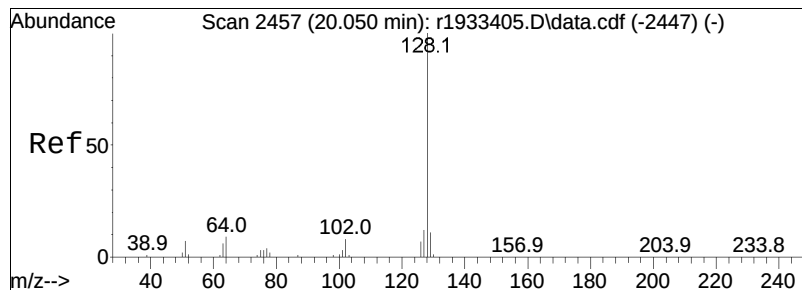




#99
 1,2,4-trimethylbenzene
 Concen: 1.94 ppbV
 RT: 18.060 min Scan# 2220
 Delta R.T. -0.008 min
 Lab File: r1934361.D
 Acq: 8 May 2025 3:32 AM

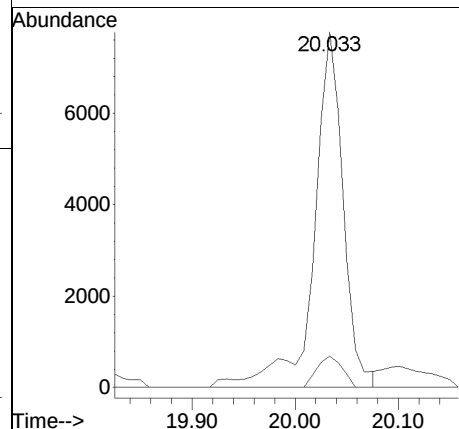
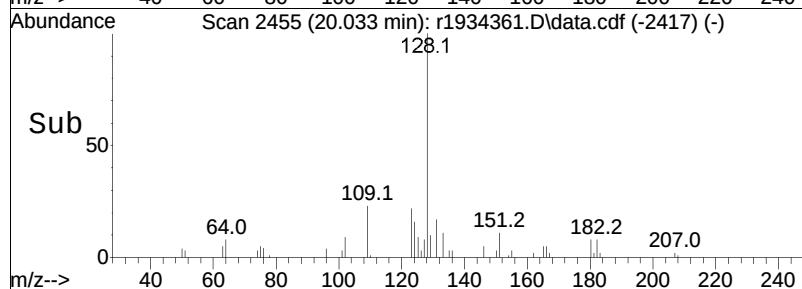
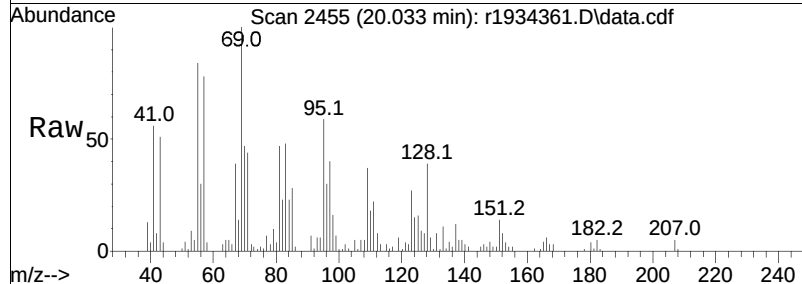
Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
120	49.4	45.8	68.6
91	9.6	55.0	82.6#





#116
naphthalene
Concen: 0.14 ppbV
RT: 20.033 min Scan# 2455
Delta R.T. -0.017 min
Lab File: r1934361.D
Acq: 8 May 2025 3:32 AM

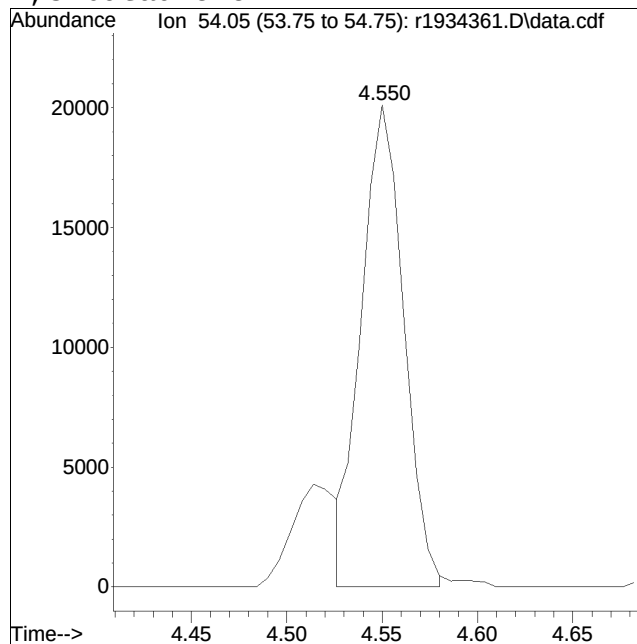
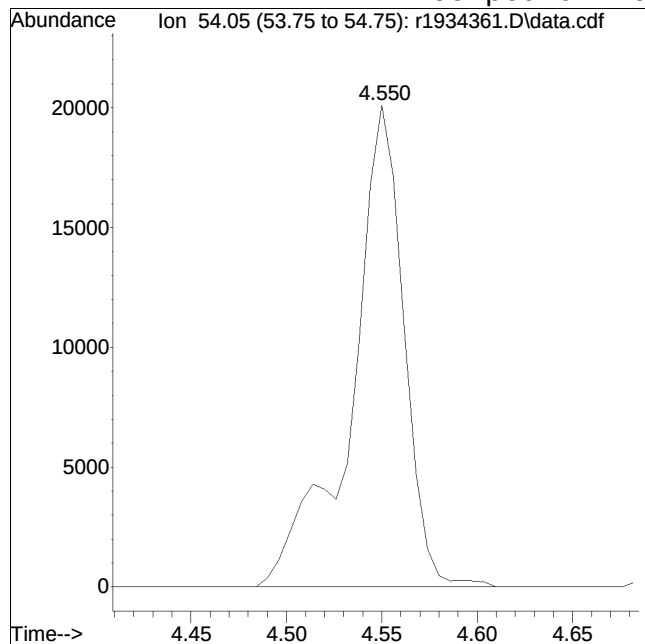
Tgt	Ion	Ratio	Resp	Lower	Upper
128	100		15366		
102	8.8	6.2		9.2	



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934361.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 3:32 AM Instrument :
Sample : L2525337-05,3,250,250 Quant Date : 5/8/2025 6:20 am

Compound #10: 1,3-butadiene



Original Peak Response = 38539

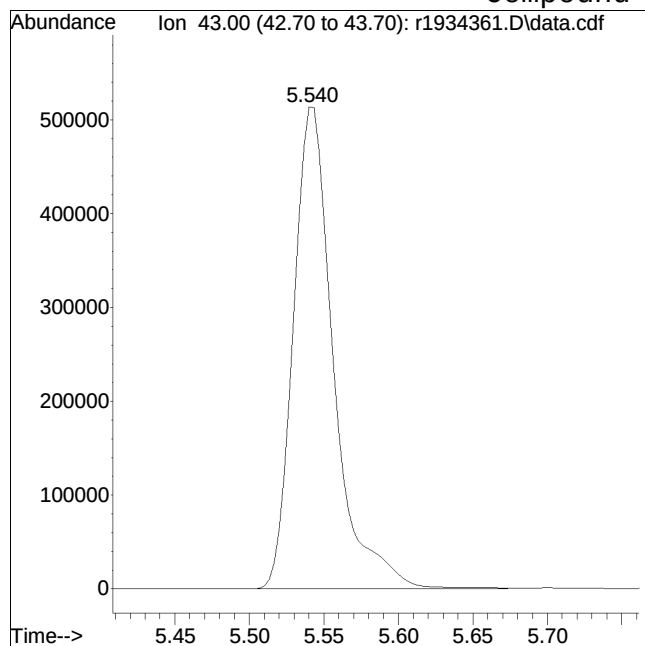
Manual Peak Response = 31190 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

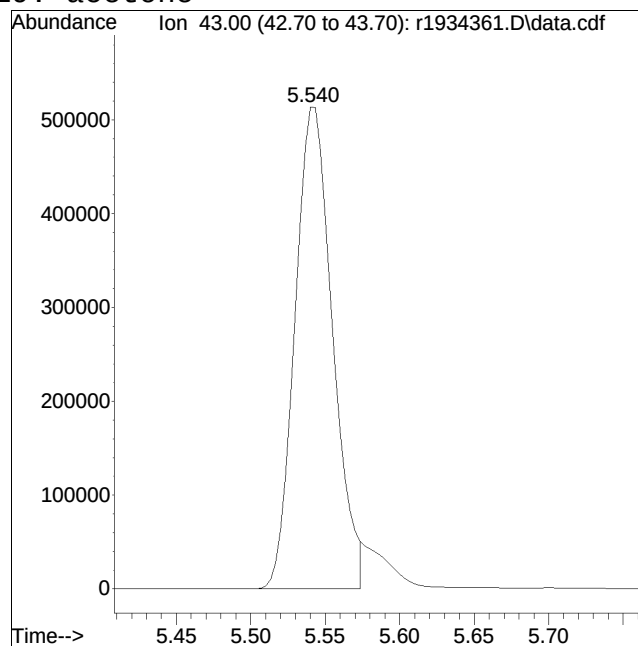
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934361.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 3:32 AM Instrument :
Sample : L2525337-05,3,250,250 Quant Date : 5/8/2025 6:20 am

Compound #19: acetone



Original Peak Response = 966620

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

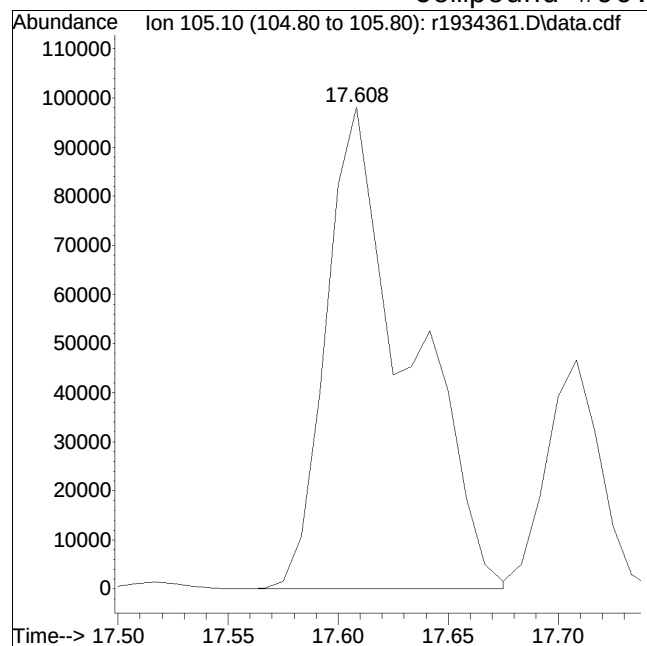


Manual Peak Response = 902872 M6

Manual Integration Report

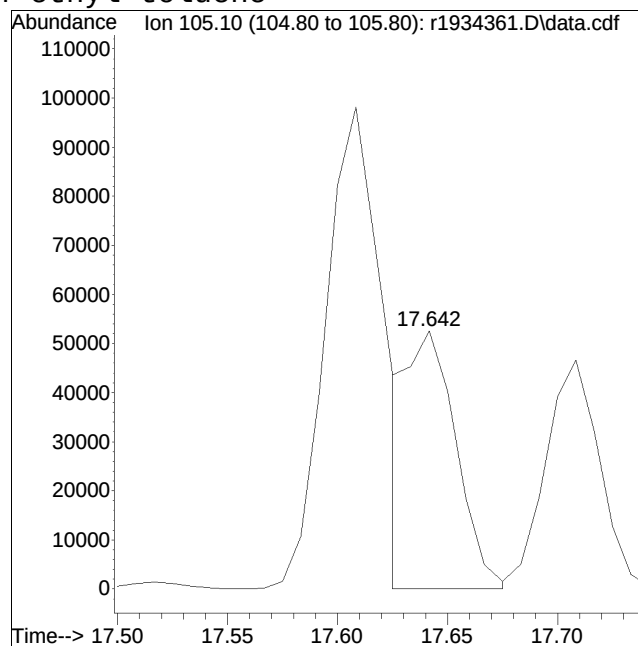
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934361.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 3:32 AM Instrument :
Sample : L2525337-05,3,250,250 Quant Date : 5/8/2025 6:20 am

Compound #96: 4-ethyl toluene



Original Peak Response = 255426

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 81640 M6

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934362.D
 Acq On : 8 May 2025 4:10 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-06D, 3, 30, 250
 Misc : WG2063684, ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:21:14 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

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

Internal Standards						
1) bromochloromethane	8.775	49	323227	10.000	ppbV	0.00
Standard Area = 339843			Recovery =	95.11%		
43) 1,4-difluorobenzene	10.917	114	986555	10.000	ppbV	0.00
Standard Area = 931395			Recovery =	105.92%		
67) chlorobenzene-D5	15.600	54	134528	10.000	ppbV	0.00
Standard Area = 169143			Recovery =	79.54%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	4.082	85	2107	0.049	ppbV	95
6) chloromethane	4.226	50	1413	0.086	ppbV	94
7) Freon-114	0.000		0	N.D.		
9) vinyl chloride	0.000		0	N.D.		
10) 1,3-butadiene	4.550	54	2004	0.109	ppbV #	76
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	5.090	31	21092	1.091	ppbV	90
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.543	43	332074M6	9.773	ppbV	
21) trichlorofluoromethane	5.720		0	N.D.		
22) isopropyl alcohol	5.800	45	42567	1.085	ppbV	100
26) 1,1-dichloroethene	6.368		0	N.D.		
27) tertiary butyl alcohol	6.416	59	44231	0.722	ppbV #	85
28) methylene chloride	6.500	49	1037	0.040	ppbV	97
29) 3-chloropropene	6.614		0	N.D.		
30) carbon disulfide	6.782	76	53962	0.764	ppbV	96
31) Freon 113	6.782		0	N.D.		
32) trans-1,2-dichloroethene	7.492		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	0.000		0	N.D.		
36) 2-butanone	8.133	43	11728	0.216	ppbV	96
37) cis-1,2-dichloroethene	8.600	61	2731	0.065	ppbV	93
38) Ethyl Acetate	0.000		0	N.D.		
39) chloroform	8.925	83	29607	0.697	ppbV	97
40) Tetrahydrofuran	9.375	42	1140	0.037	ppbV	94
42) 1,2-dichloroethane	0.000		0	N.D.		
44) hexane	8.842	57	22027	0.366	ppbV #	20

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934362.D
 Acq On : 8 May 2025 4:10 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-06D,3,30,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:21:14 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

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

48) 1,1,1-trichloroethane	10.000		0	N.D.		
50) benzene	10.510	78	23658	0.273	ppbV	96
52) carbon tetrachloride	10.677		0	N.D.		
53) cyclohexane	10.817	56	8866	0.153	ppbV	96
56) 1,2-dichloropropane	0.000		0	N.D.		
57) bromodichloromethane	0.000		0	N.D.	d	
58) 1,4-dioxane	0.000		0	N.D.		
59) trichloroethene	11.697	130	2803492	74.396	ppbV	97
60) 2,2,4-trimethylpentane	0.000		0	N.D.	d	
62) heptane	12.057	43	12131	0.225	ppbV	92
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.742		0	N.D.		
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	13.492		0	N.D.		
68) toluene	13.817	91	93664	0.981	ppbV	100
72) 2-hexanone	0.000		0	N.D.	d	
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.000	166	93928	2.292	ppbV	98
80) chlorobenzene	0.000		0	N.D.	d	
81) ethylbenzene	15.992	91	24066	0.198	ppbV	95
83) m+p-xylene	16.142	91	79992	0.827	ppbV	96
84) bromoform	0.000		0	N.D.		
85) styrene	16.475	104	9096	0.113	ppbV	99
86) 1,1,2,2-tetrachloroethane	16.558		0	N.D.		
87) o-xylene	16.567	91	35097	0.372	ppbV	99
96) 4-ethyl toluene	17.642	105	10923M6	0.088	ppbV	
97) 1,3,5-trimethylbenzene	17.708	105	12820	0.118	ppbV	99
99) 1,2,4-trimethylbenzene	18.060	105	33522	0.307	ppbV #	56
101) Benzyl Chloride	18.252		0	N.D.		
102) 1,3-dichlorobenzene	0.000		0	N.D.		
103) 1,4-dichlorobenzene	0.000		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.033		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934362.D
 Acq On : 8 May 2025 4:10 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-06D,3,30,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:21:14 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

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

Sub List : T015-NY+Naphthalene - .\2025\05\0507T\r1934340.D

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\

Data File : r1934362.D

Acq On : 8 May 2025 4:10 AM

Operator : AIRLAB19:TPH

Sample : L2525337-06D,3,30,250

Misc : WG2063684,ICAL22124

ALS Vial : 0 Sample Multiplier: 1

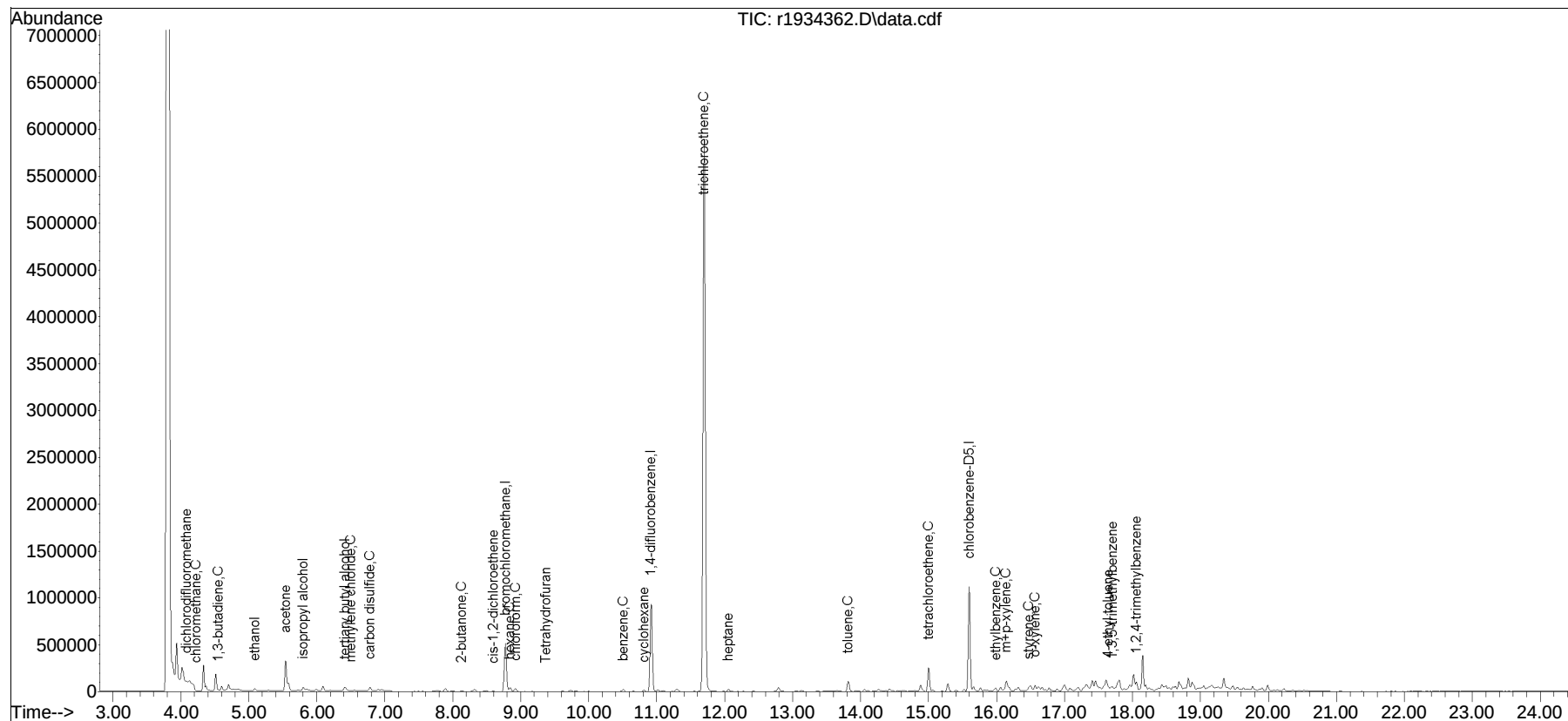
Quant Time: May 08 06:21:14 2025

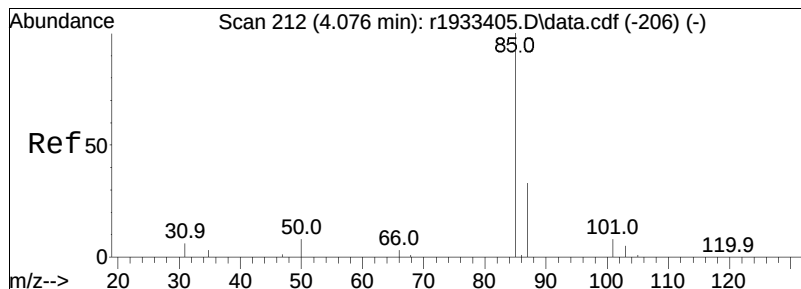
Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M

Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis

QLast Update : Sun Mar 30 07:46:23 2025

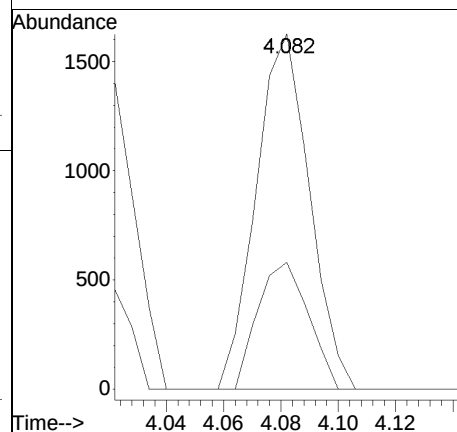
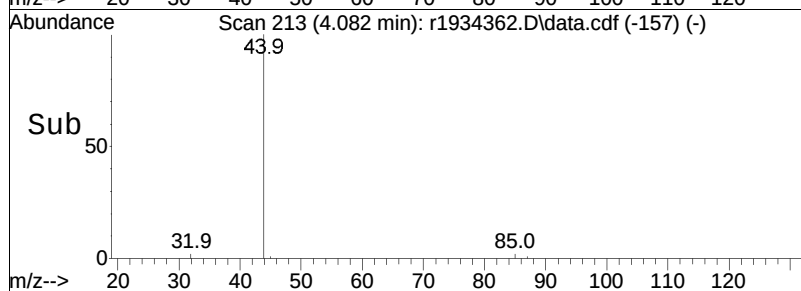
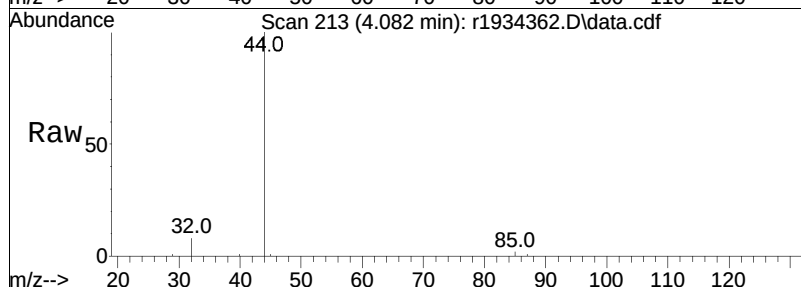
Response via : Initial Calibration

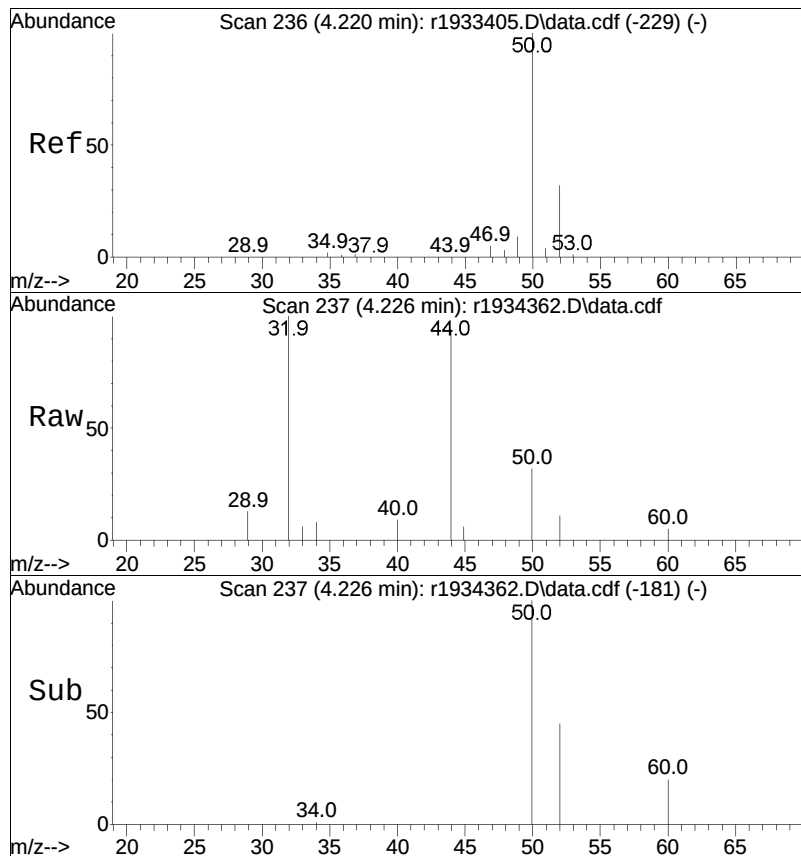




#5
 dichlorodifluoromethane
 Concen: 0.05 ppbV
 RT: 4.082 min Scan# 213
 Delta R.T. 0.006 min
 Lab File: r1934362.D
 Acq: 8 May 2025 4:10 AM

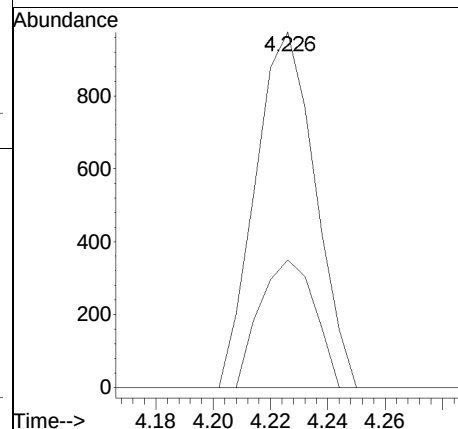
Tgt Ion: 85 Resp: 2107
 Ion Ratio Lower Upper
 85 100
 87 35.7 26.2 39.4

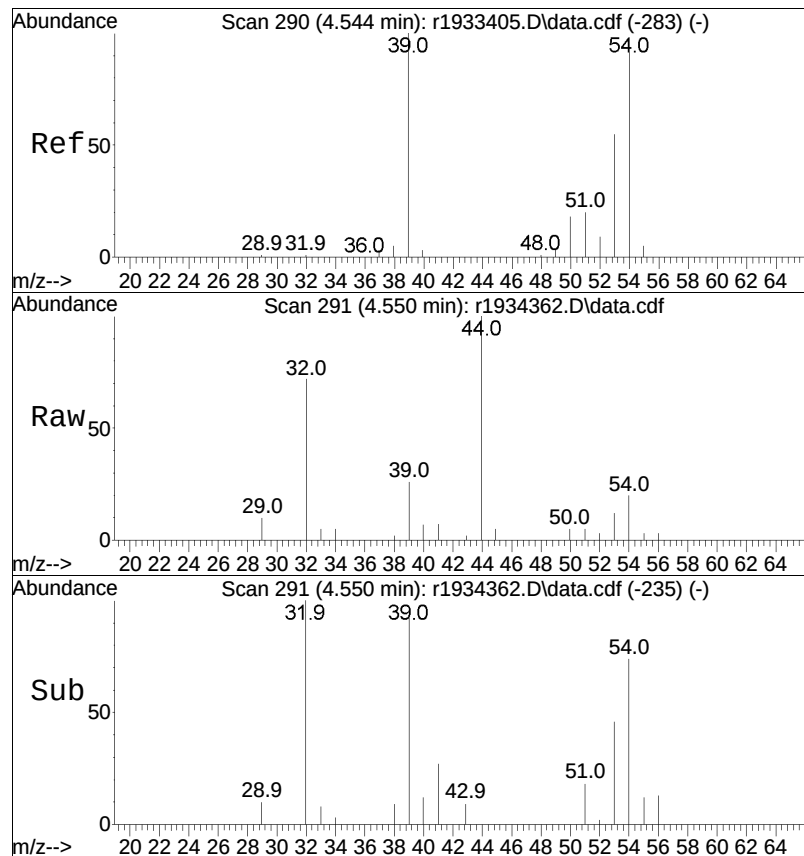




#6
 chloromethane
 Concen: 0.09 ppbV
 RT: 4.226 min Scan# 237
 Delta R.T. 0.006 min
 Lab File: r1934362.D
 Acq: 8 May 2025 4:10 AM

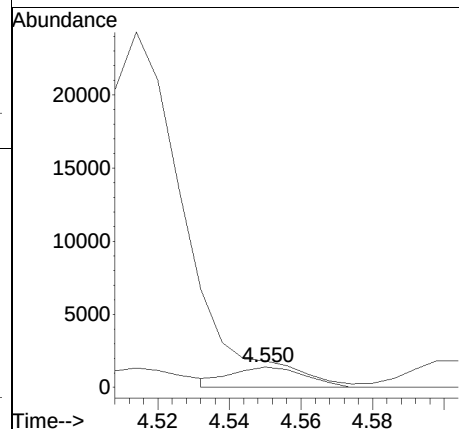
Tgt Ion	Ratio	Lower	Upper
50	100		
52	35.9	25.9	38.9

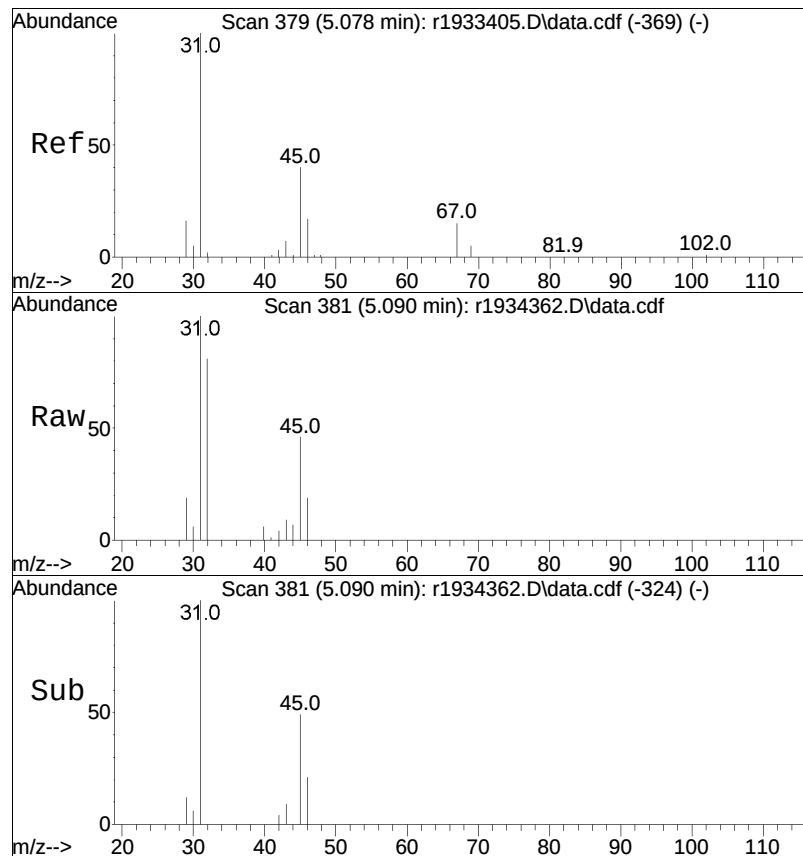




#10
 1,3-butadiene
 Concen: 0.11 ppbV
 RT: 4.550 min Scan# 291
 Delta R.T. 0.006 min
 Lab File: r1934362.D
 Acq: 8 May 2025 4:10 AM

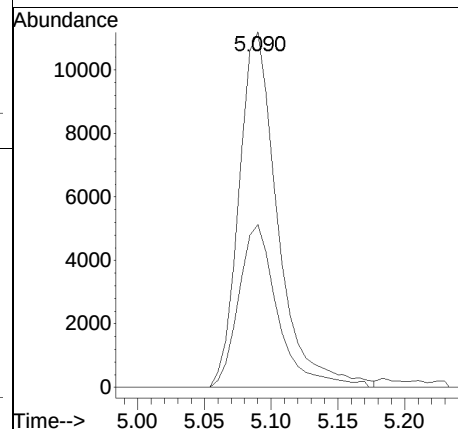
Tgt Ion	Ratio	Lower	Upper
54	100		
39	129.8	84.2	126.4#

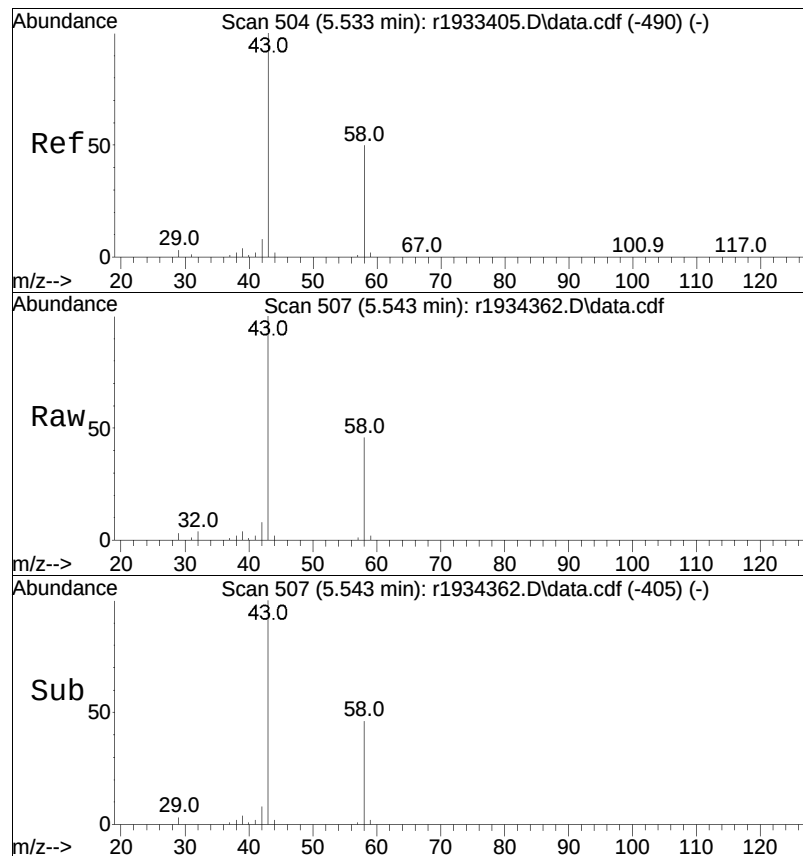




#15
 ethanol
 Concen: 1.09 ppbV
 RT: 5.090 min Scan# 381
 Delta R.T. 0.012 min
 Lab File: r1934362.D
 Acq: 8 May 2025 4:10 AM

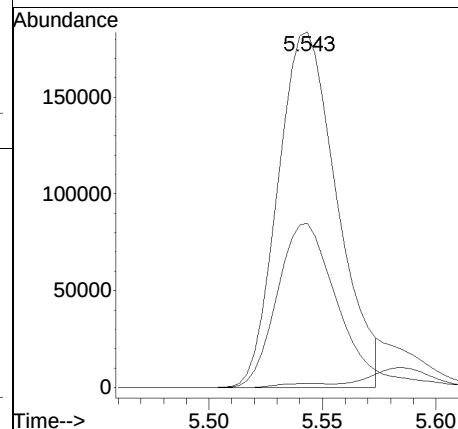
Tgt Ion:	31	45	Ratio	Lower	Upper
Resp:	21092				
Ion Ratio	100	45.8		31.8	47.8

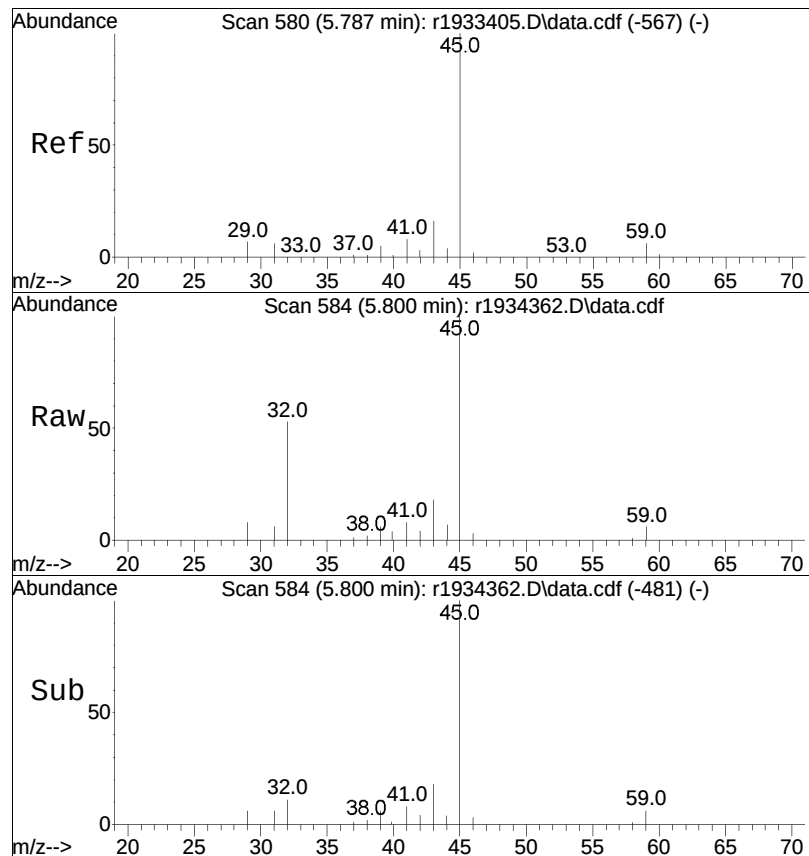




#19
acetone
Concen: 9.77 ppbV m
RT: 5.543 min Scan# 507
Delta R.T. 0.010 min
Lab File: r1934362.D
Acq: 8 May 2025 4:10 AM

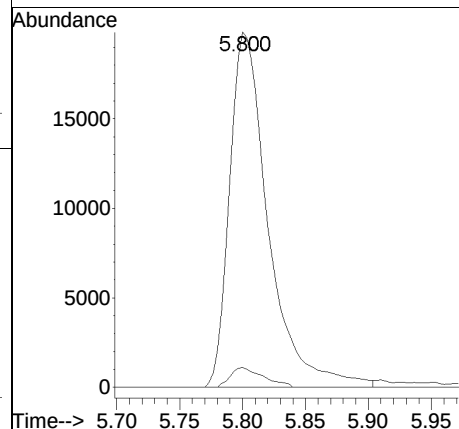
Tgt	Ion	Ratio	Lower	Upper
43	100			
58	46.2	40.4	60.6	
57	1.1	1.0	1.4	

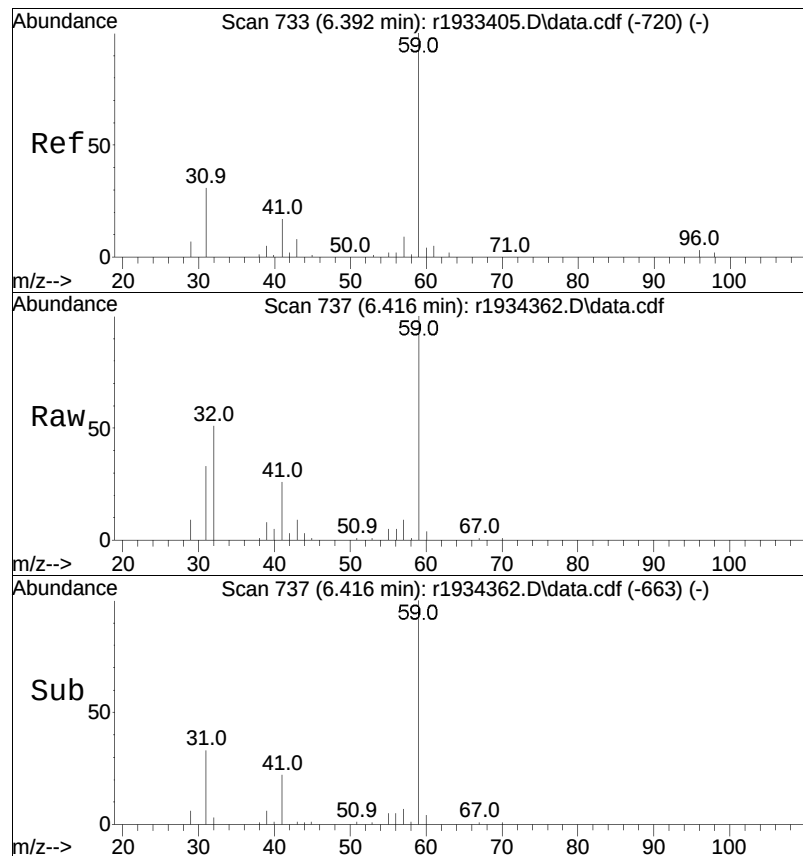




#22
 isopropyl alcohol
 Concen: 1.09 ppbV
 RT: 5.800 min Scan# 584
 Delta R.T. 0.013 min
 Lab File: r1934362.D
 Acq: 8 May 2025 4:10 AM

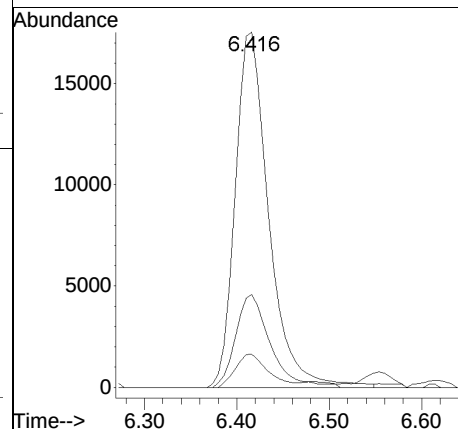
Tgt Ion	Ratio	Lower	Upper
45	100		
59	5.6	4.4	6.6

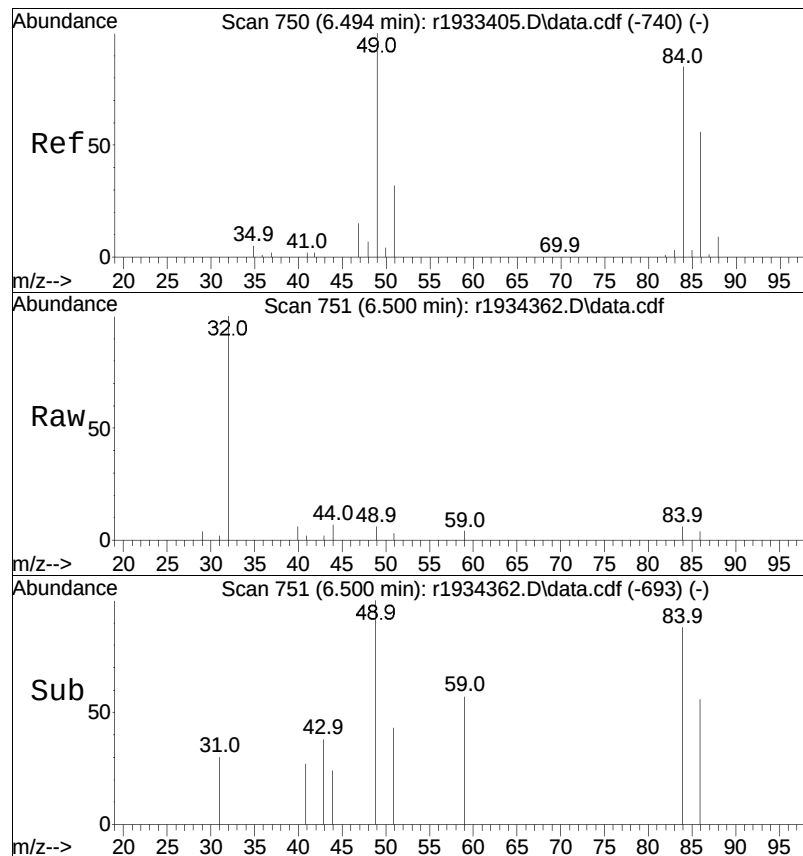




#27
 tertiary butyl alcohol
 Concen: 0.72 ppbV
 RT: 6.416 min Scan# 737
 Delta R.T. 0.024 min
 Lab File: r1934362.D
 Acq: 8 May 2025 4:10 AM

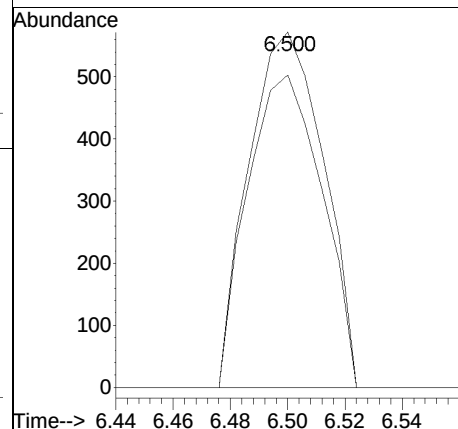
Tgt	Ion: 59	Resp:	44231
Ion	Ratio	Lower	Upper
59	100		
41	26.1	14.0	21.0#
43	9.4	6.3	9.5

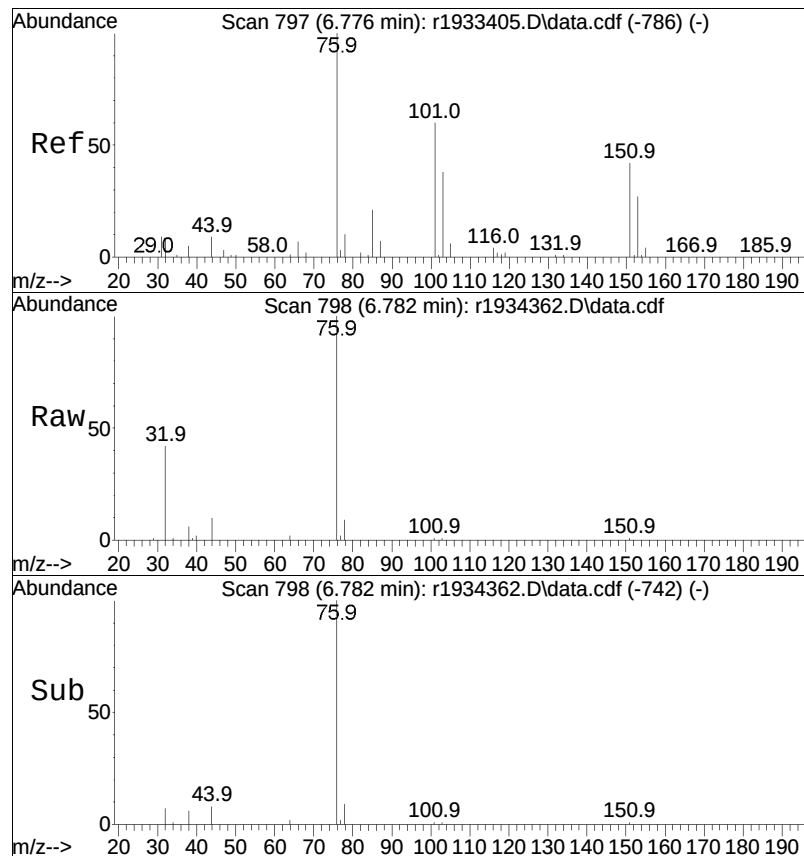




#28
 methylene chloride
 Concen: 0.04 ppbV
 RT: 6.500 min Scan# 751
 Delta R.T. 0.006 min
 Lab File: r1934362.D
 Acq: 8 May 2025 4:10 AM

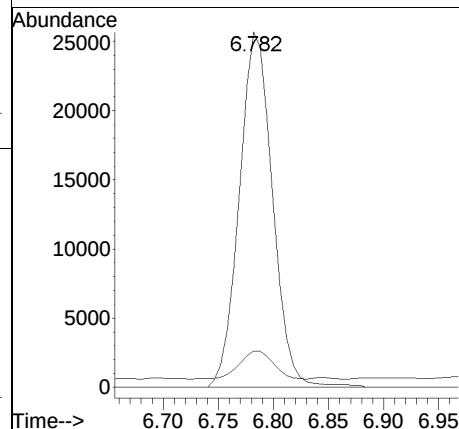
Tgt Ion:	49	84	Ratio	100	87.9	Resp:	1037	Lower	Upper
								68.4	102.6

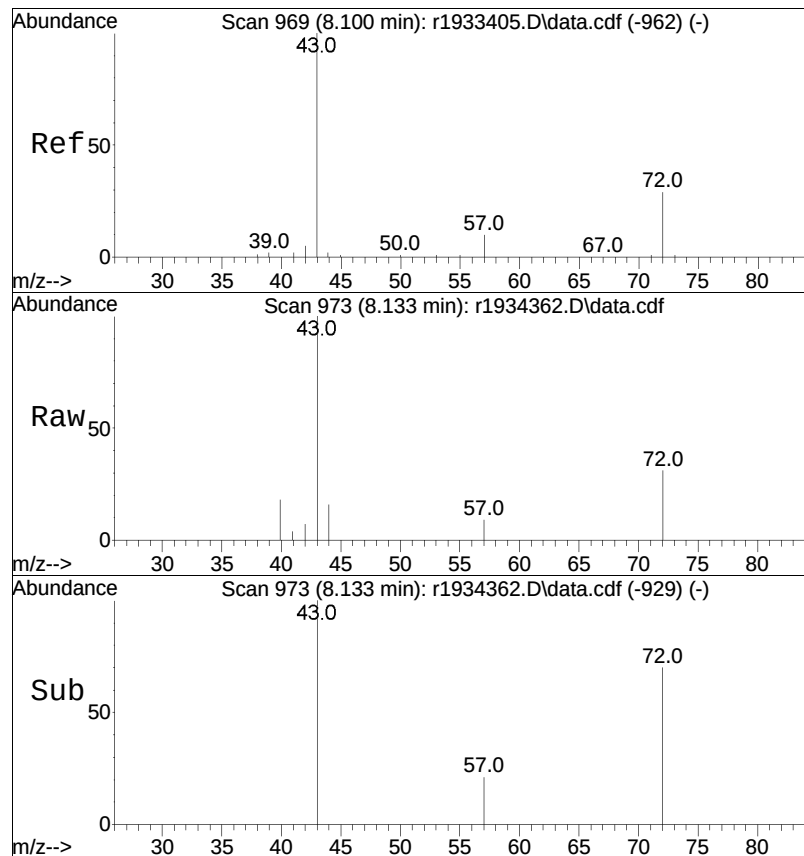




#30
 carbon disulfide
 Concen: 0.76 ppbV
 RT: 6.782 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: r1934362.D
 Acq: 8 May 2025 4:10 AM

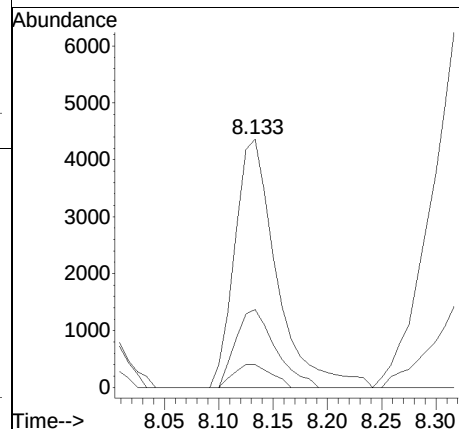
Tgt Ion	Ratio	Lower	Upper
76	100		
44	10.3	7.0	10.6

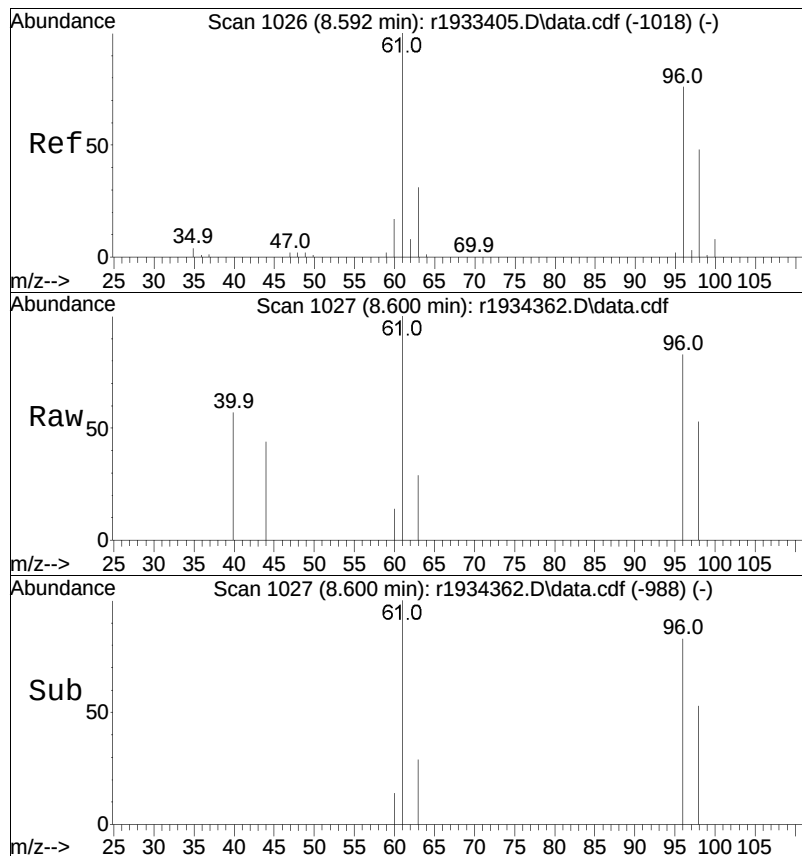




#36
 2-butanone
 Concen: 0.22 ppbV
 RT: 8.133 min Scan# 973
 Delta R.T. 0.033 min
 Lab File: r1934362.D
 Acq: 8 May 2025 4:10 AM

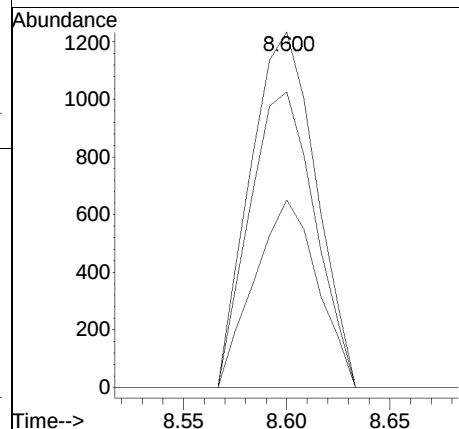
Tgt Ion:	43	Resp:	11728
Ion Ratio	Lower	Upper	
43	100		
72	31.4	23.3	34.9
57	9.2	7.9	11.9

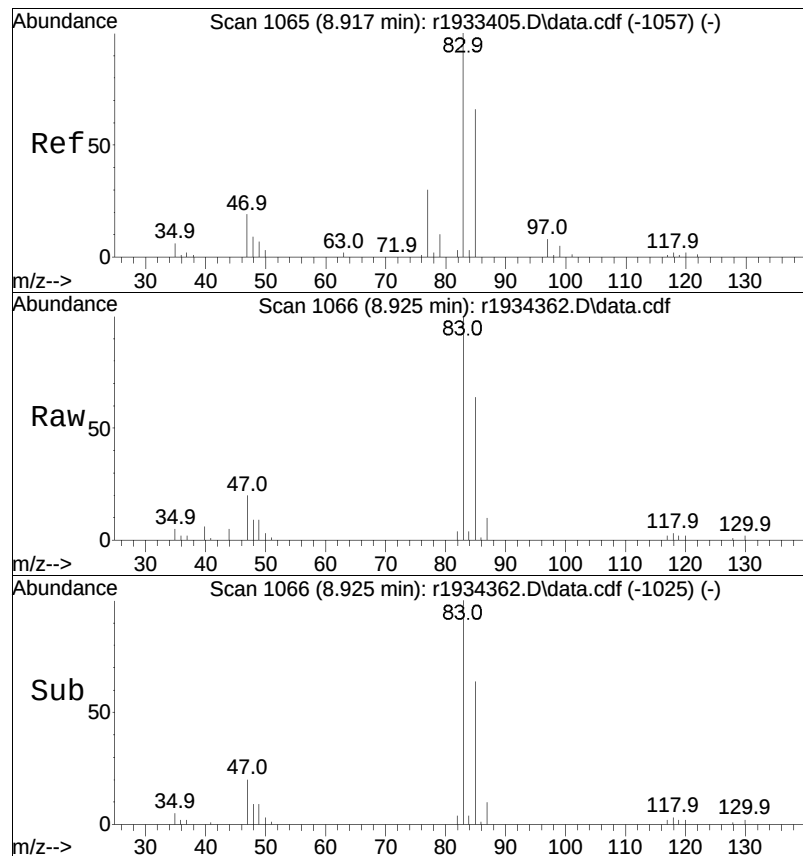




#37
 cis-1,2-dichloroethene
 Concen: 0.07 ppbV
 RT: 8.600 min Scan# 1027
 Delta R.T. 0.008 min
 Lab File: r1934362.D
 Acq: 8 May 2025 4:10 AM

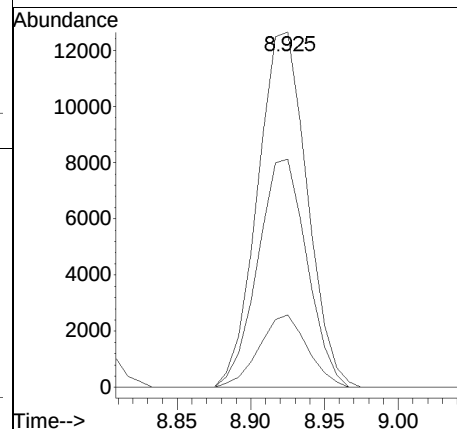
Tgt Ion:	61	Resp:	2731
Ion Ratio	Lower	Upper	
61	100		
96	83.1	61.1	91.7
98	52.8	38.5	57.7

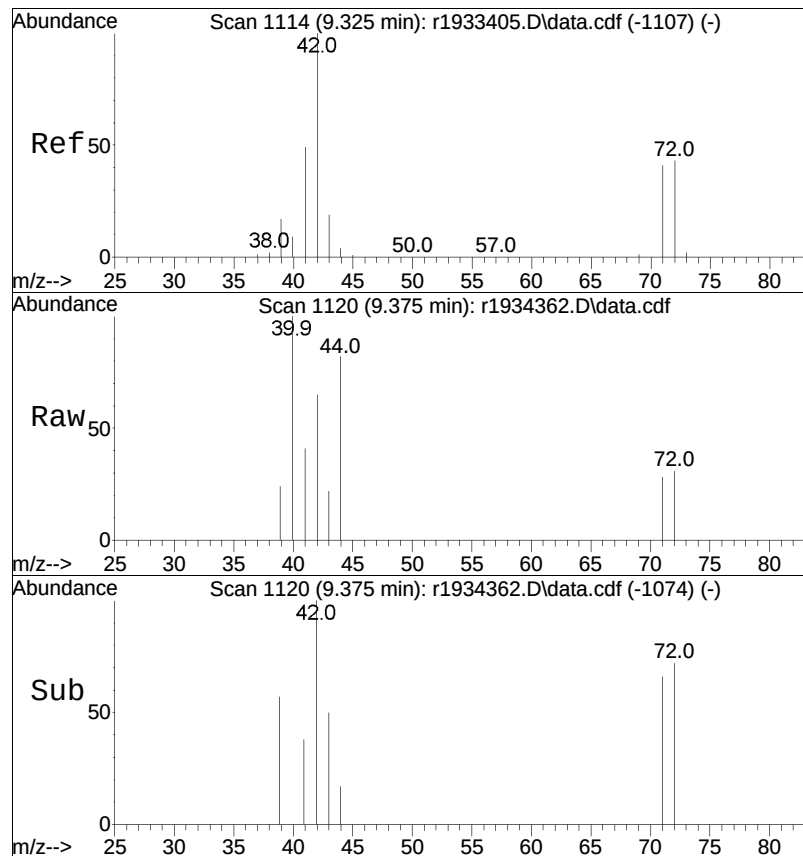




#39
chloroform
Concen: 0.70 ppbV
RT: 8.925 min Scan# 1066
Delta R.T. 0.008 min
Lab File: r1934362.D
Acq: 8 May 2025 4:10 AM

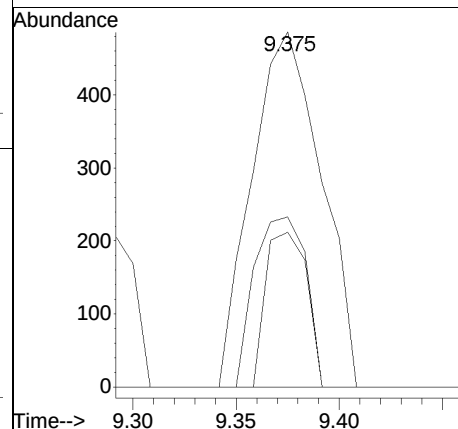
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	29607		
85	64.2		53.4	80.0
47	20.4		15.0	22.4

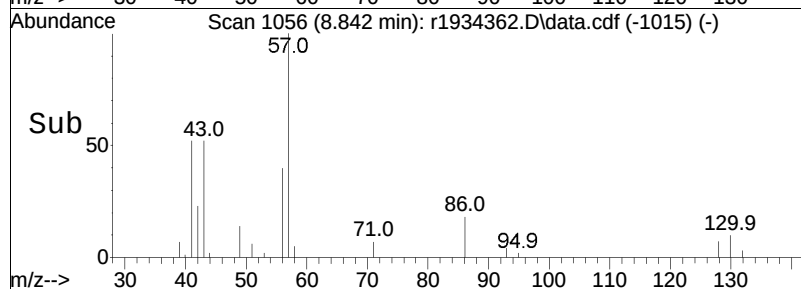
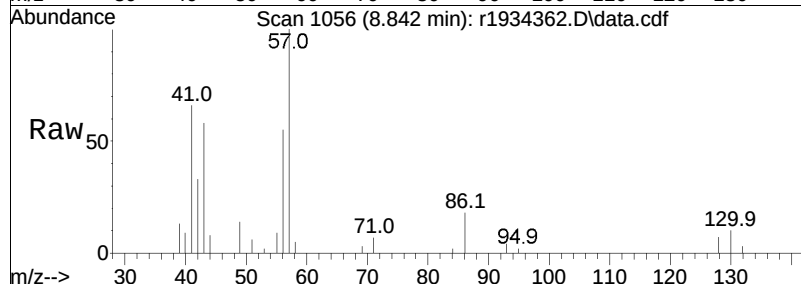
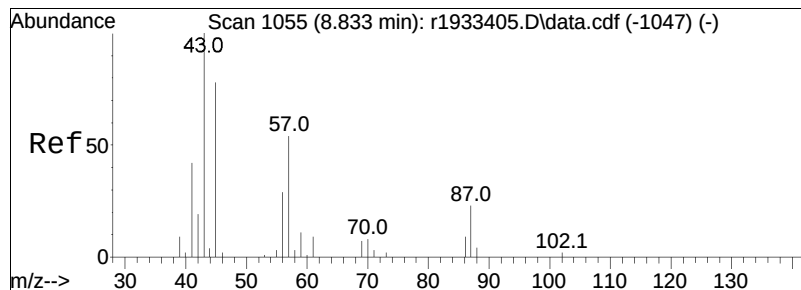




#40
 Tetrahydrofuran
 Concen: 0.04 ppbV
 RT: 9.375 min Scan# 1120
 Delta R.T. 0.050 min
 Lab File: r1934362.D
 Acq: 8 May 2025 4:10 AM

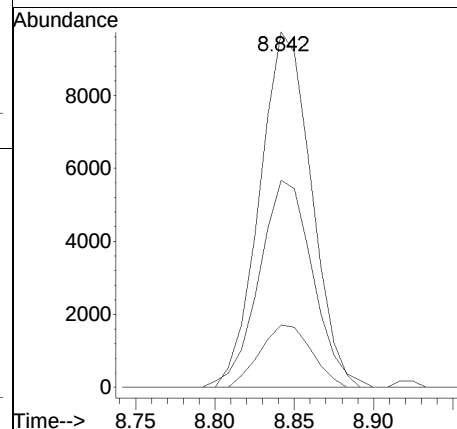
Tgt Ion:	42	Resp:	1140
Ion Ratio	Lower	Upper	
42	100		
71	43.6	32.6	48.8
72	47.9	34.6	52.0

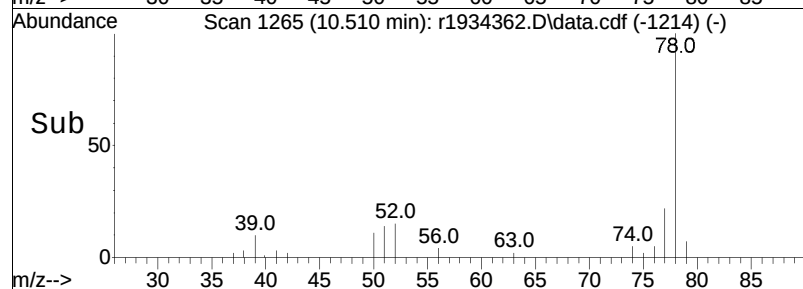
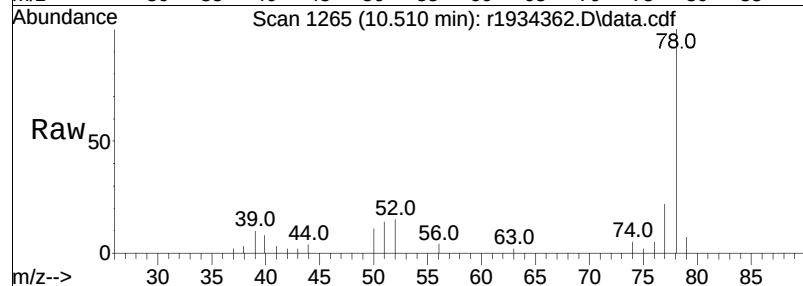
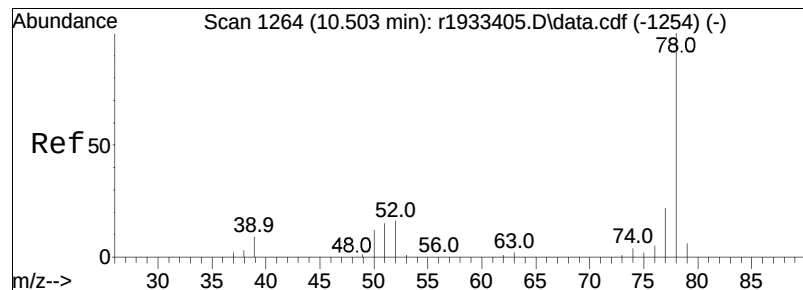




#44
hexane
Concen: 0.37 ppbV
RT: 8.842 min Scan# 1056
Delta R.T. 0.008 min
Lab File: r1934362.D
Acq: 8 May 2025 4:10 AM

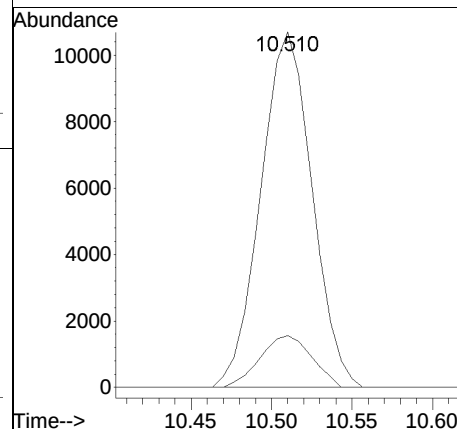
Tgt Ion	Ratio	Lower	Upper
57	100		
43	58.3	148.0	222.0#
86	17.6	13.7	20.5

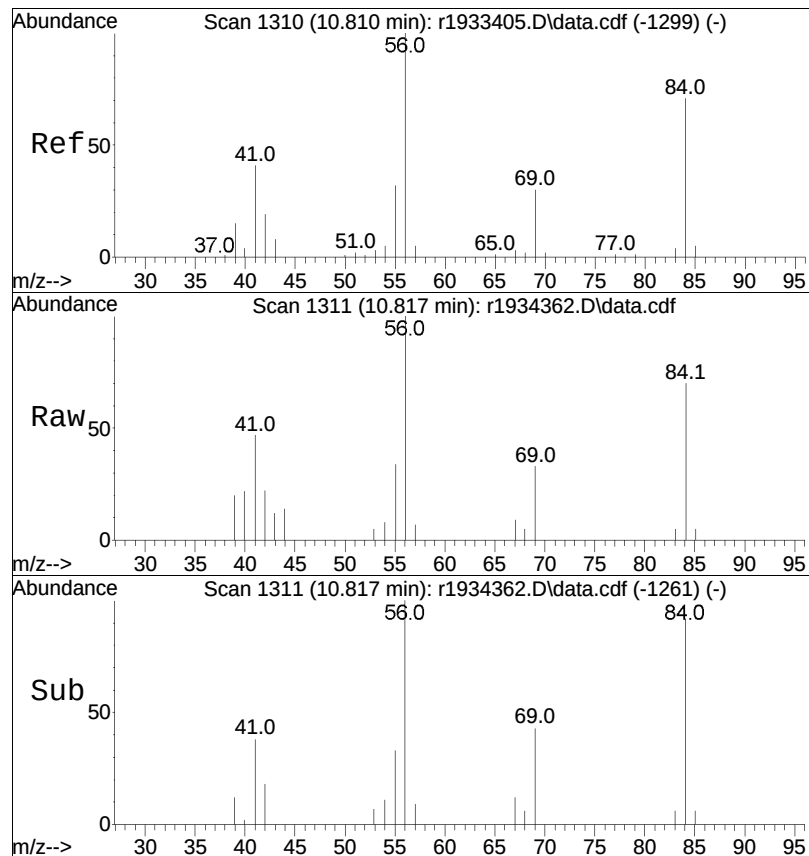




#50
benzene
Concen: 0.27 ppbV
RT: 10.510 min Scan# 1265
Delta R.T. 0.007 min
Lab File: r1934362.D
Acq: 8 May 2025 4:10 AM

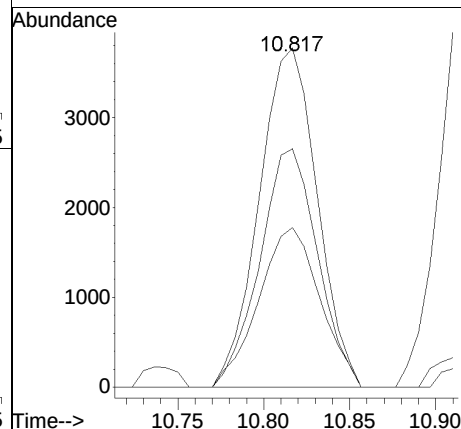
Tgt	Ion	Ratio	Lower	Upper
78	78	100		
52	52	14.6	13.2	19.8

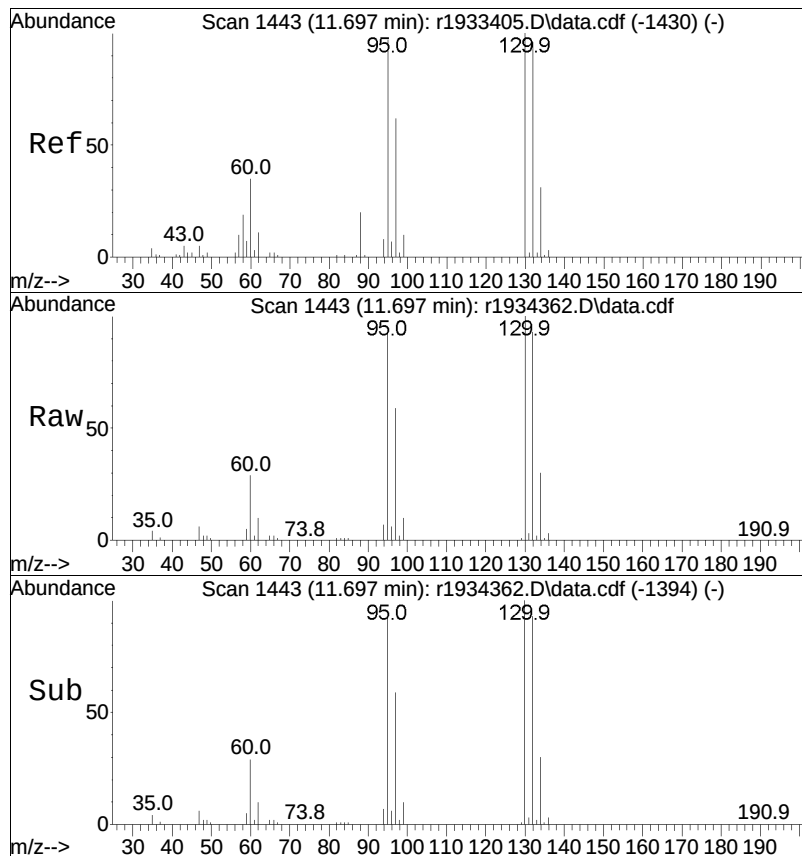




#53
cyclohexane
Concen: 0.15 ppbV
RT: 10.817 min Scan# 1311
Delta R.T. 0.007 min
Lab File: r1934362.D
Acq: 8 May 2025 4:10 AM

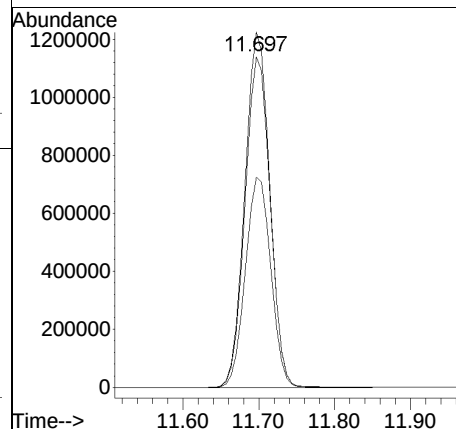
Tgt Ion	Ratio	Lower	Upper
56	100		
84	70.3	56.8	85.2
41	47.1	32.8	49.2

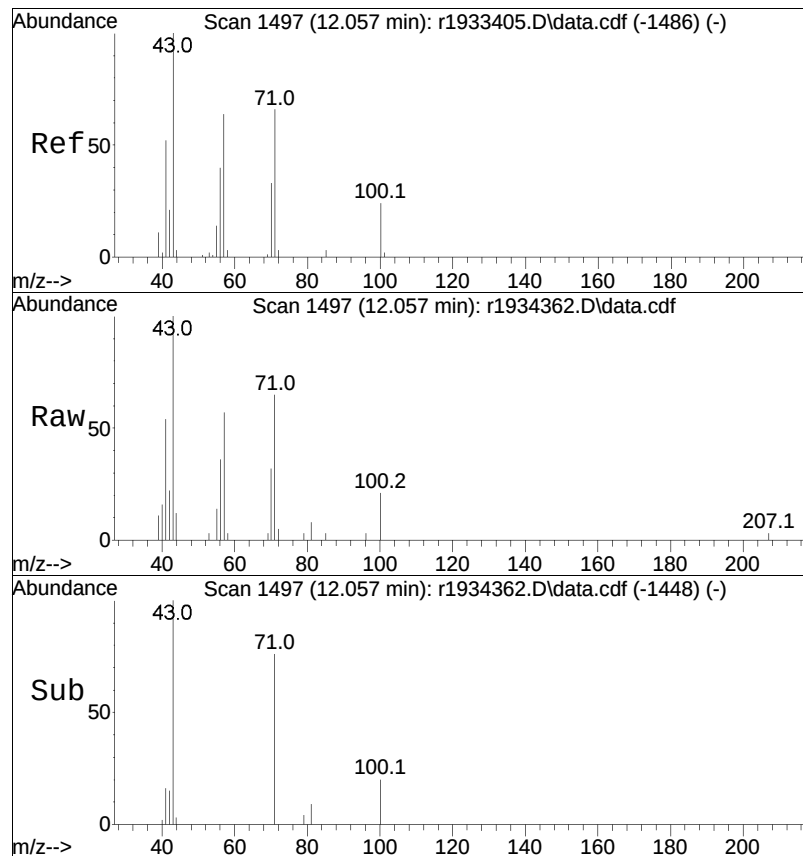




#59
 trichloroethene
 Concen: 74.40 ppbV
 RT: 11.697 min Scan# 1443
 Delta R.T. 0.000 min
 Lab File: r1934362.D
 Acq: 8 May 2025 4:10 AM

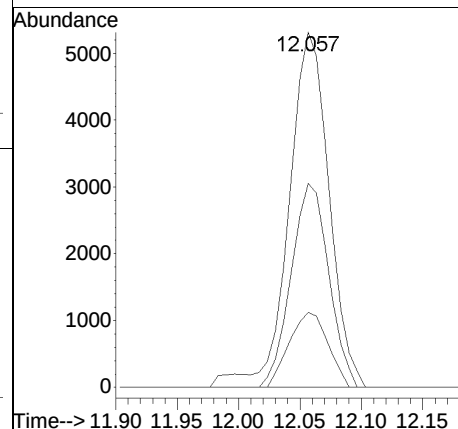
Tgt Ion	Ratio	Lower	Upper
130	100		
132	93.0	76.6	114.8
97	59.1	49.3	73.9

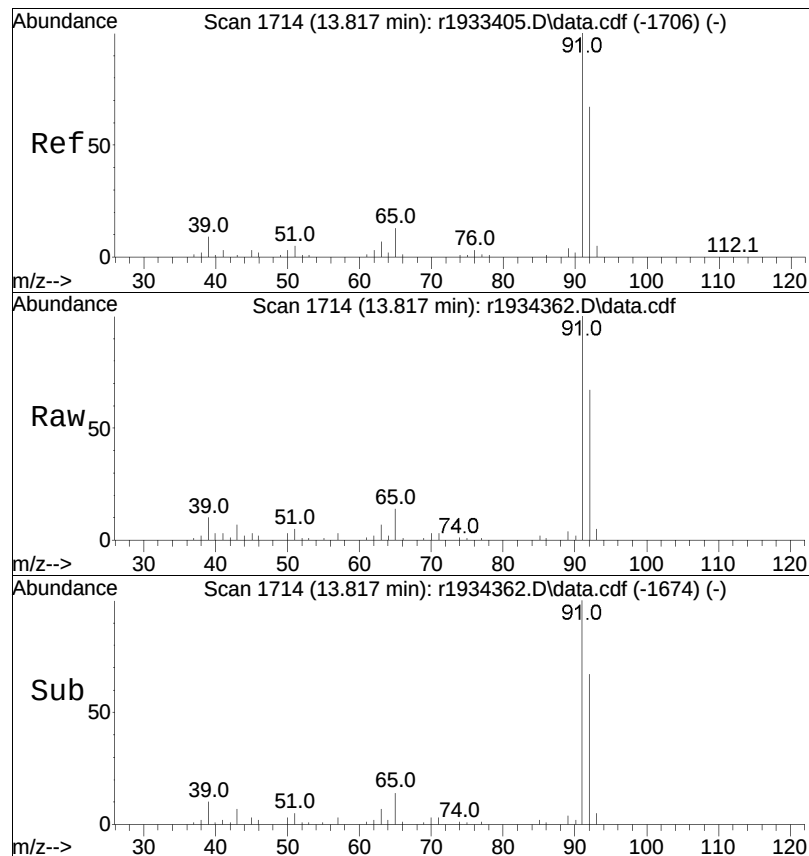




#62
heptane
Concen: 0.23 ppbV
RT: 12.057 min Scan# 1497
Delta R.T. 0.000 min
Lab File: r1934362.D
Acq: 8 May 2025 4:10 AM

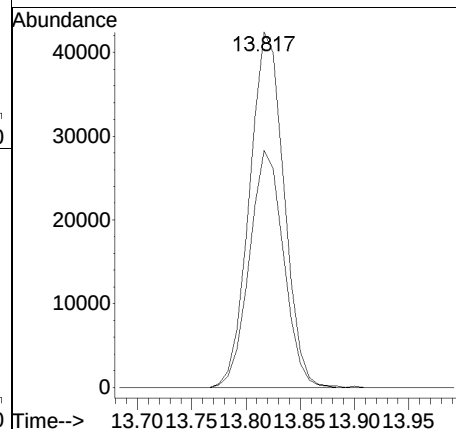
Tgt Ion	Ratio	Lower	Upper
43	100		
57	57.4	51.3	76.9
100	21.1	19.3	28.9

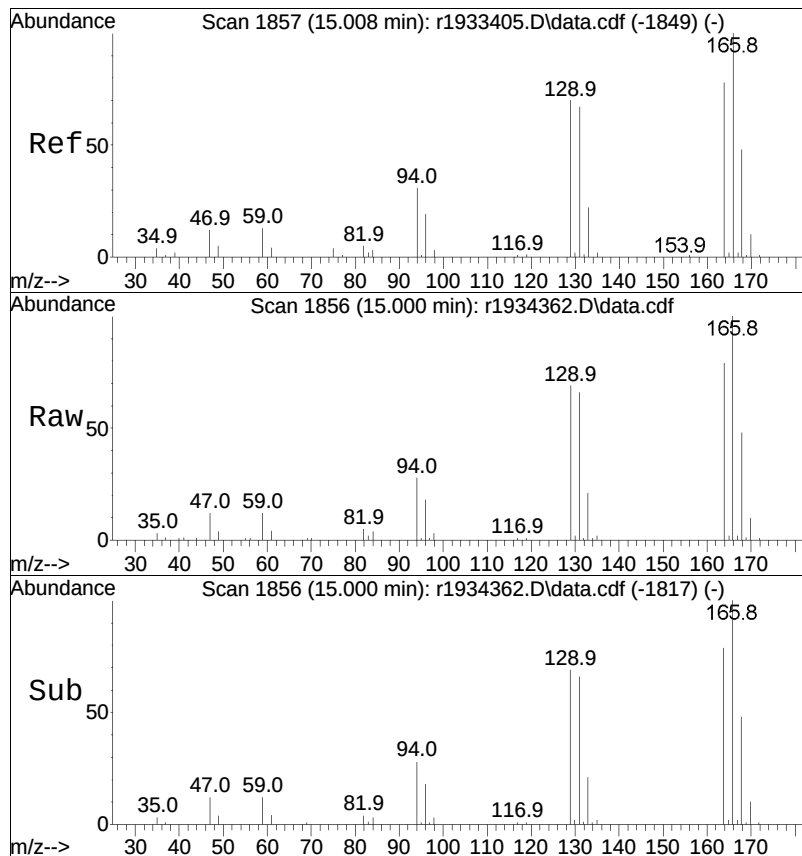




#68
toluene
Concen: 0.98 ppbV
RT: 13.817 min Scan# 1714
Delta R.T. 0.000 min
Lab File: r1934362.D
Acq: 8 May 2025 4:10 AM

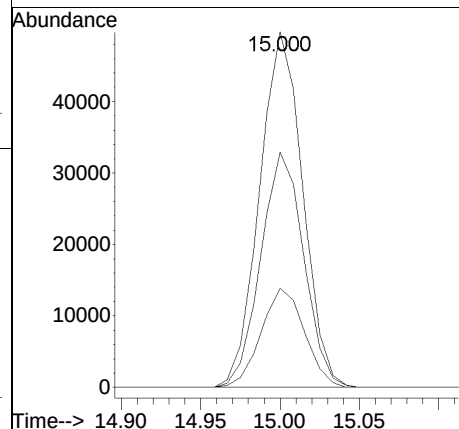
Tgt Ion	Ratio	Lower	Upper
91	100		
92	66.7	53.5	80.3

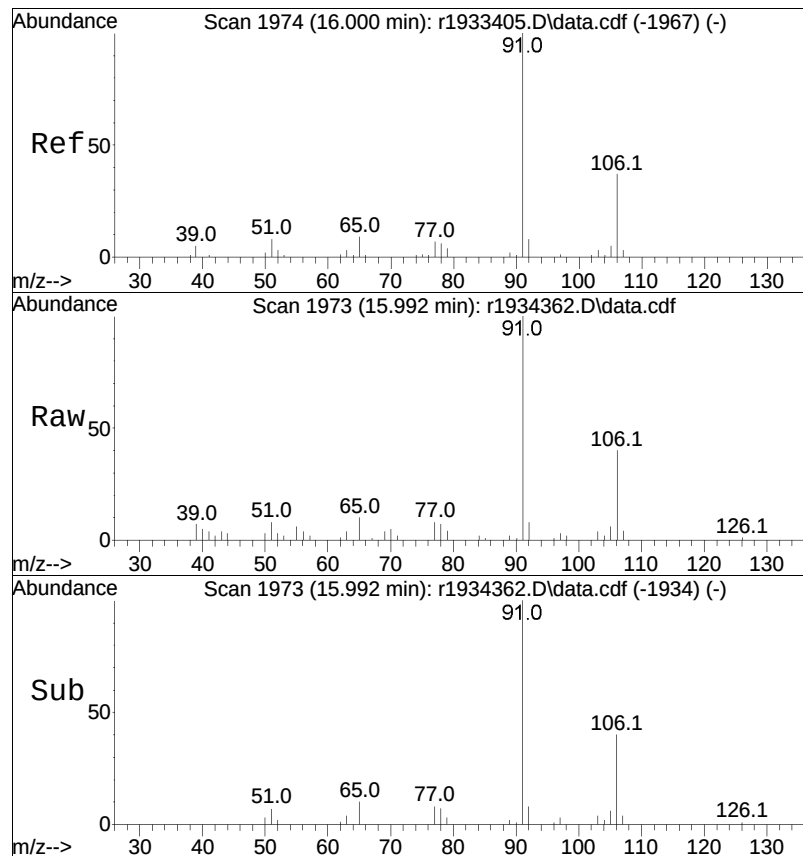




#78
 tetrachloroethene
 Concen: 2.29 ppbV
 RT: 15.000 min Scan# 1856
 Delta R.T. -0.008 min
 Lab File: r1934362.D
 Acq: 8 May 2025 4:10 AM

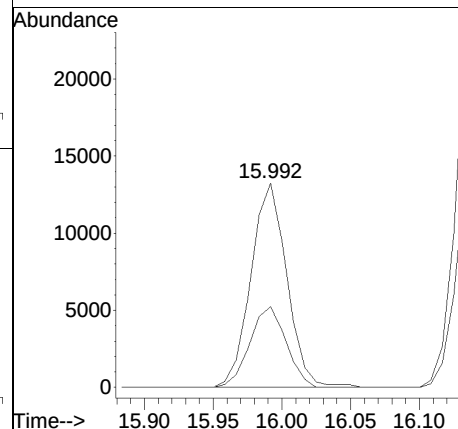
Tgt	Ion:166	Resp:	93928
Ion	Ratio	Lower	Upper
166	100		
131	66.2	53.6	80.4
94	27.9	24.4	36.6

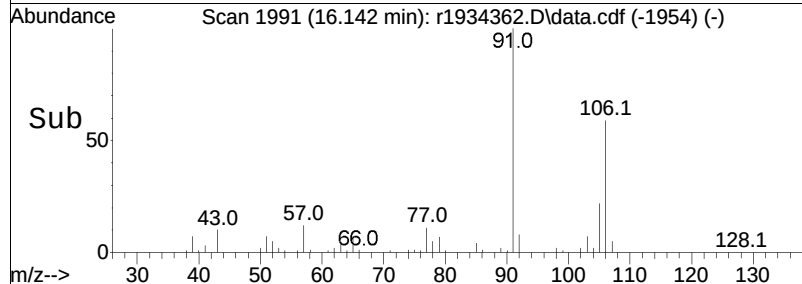
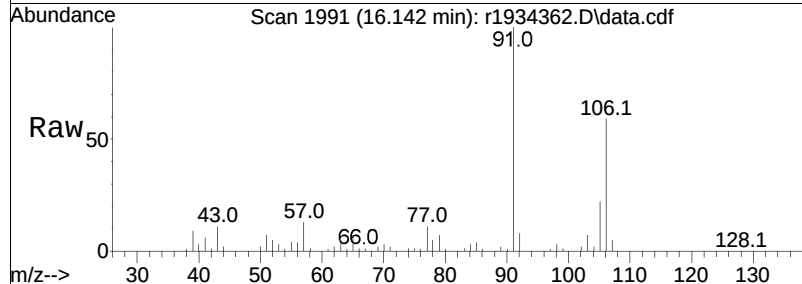
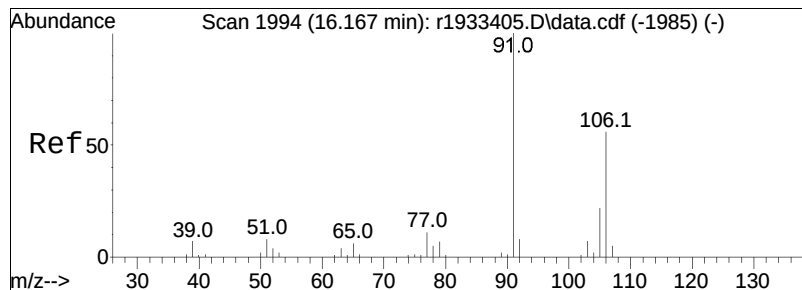




#81
ethylbenzene
Concen: 0.20 ppbV
RT: 15.992 min Scan# 1973
Delta R.T. -0.008 min
Lab File: r1934362.D
Acq: 8 May 2025 4:10 AM

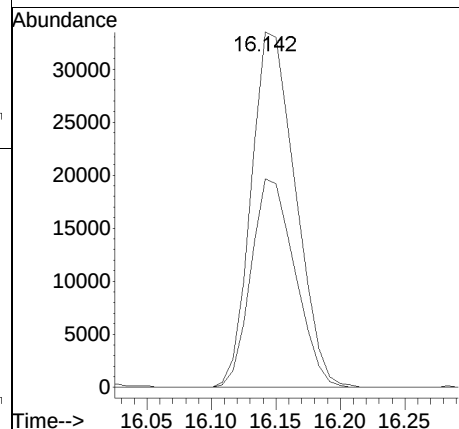
Tgt	Ion	Resp	Lower	Upper
91	100	24066		
106	39.5	29.3	43.9	

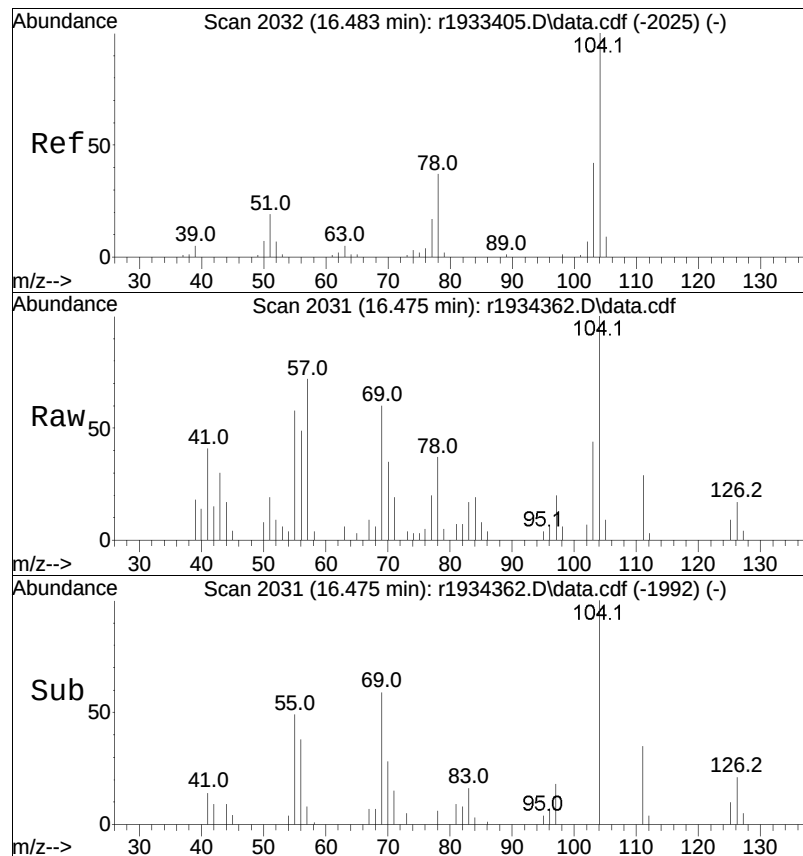




#83
m+p-xylene
Concen: 0.83 ppbV
RT: 16.142 min Scan# 1991
Delta R.T. -0.025 min
Lab File: r1934362.D
Acq: 8 May 2025 4:10 AM

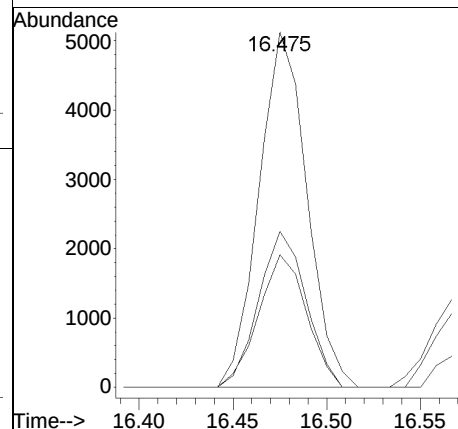
Tgt	Ion	Resp	Lower	Upper
91	100	79992		
106	58.7	44.6	67.0	

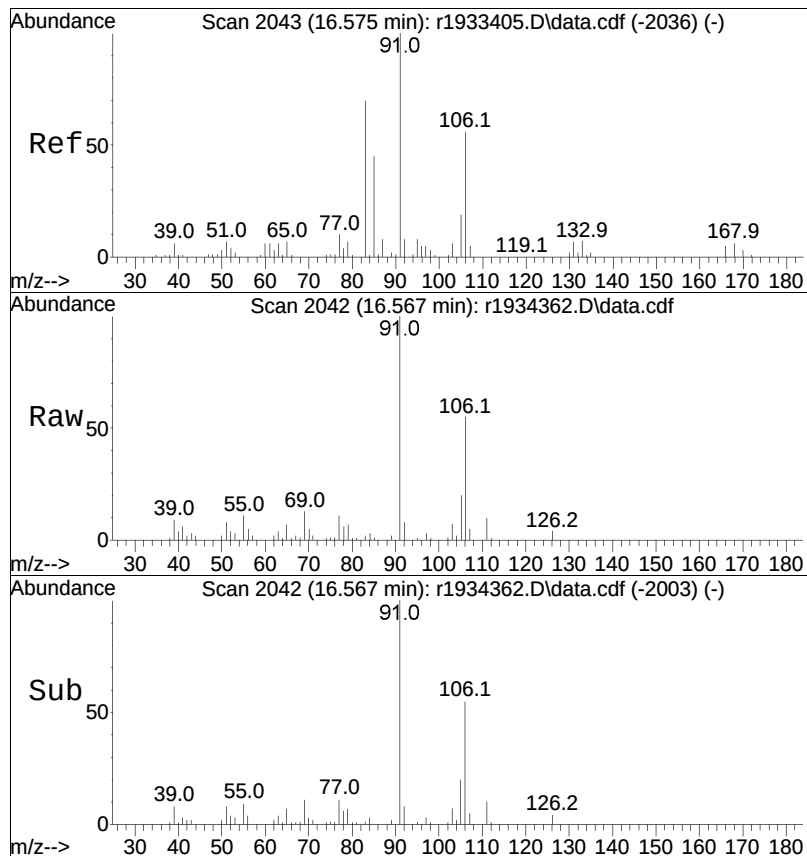




#85
styrene
Concen: 0.11 ppbV
RT: 16.475 min Scan# 2031
Delta R.T. -0.008 min
Lab File: r1934362.D
Acq: 8 May 2025 4:10 AM

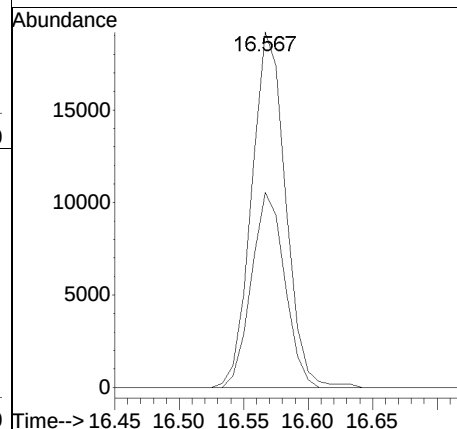
Tgt Ion	Ratio	Lower	Upper
104	100		
103	43.9	33.8	50.6
78	37.3	29.9	44.9

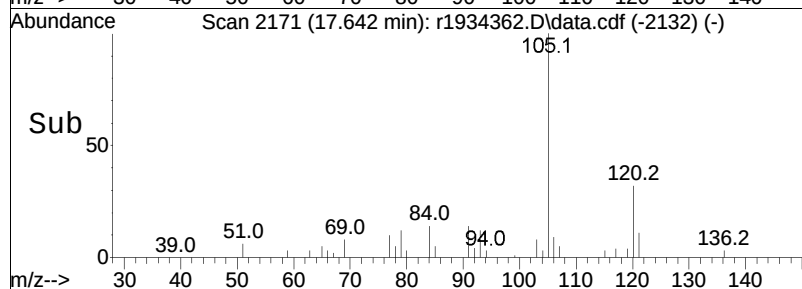
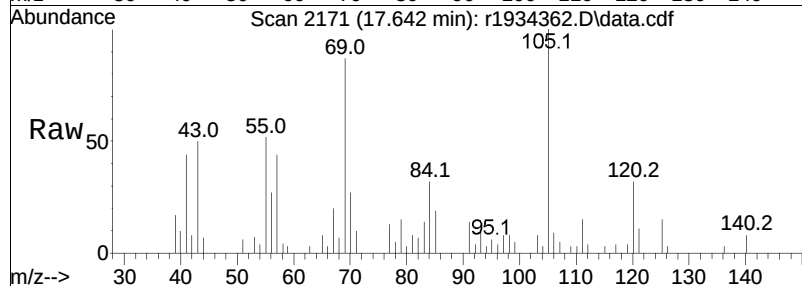
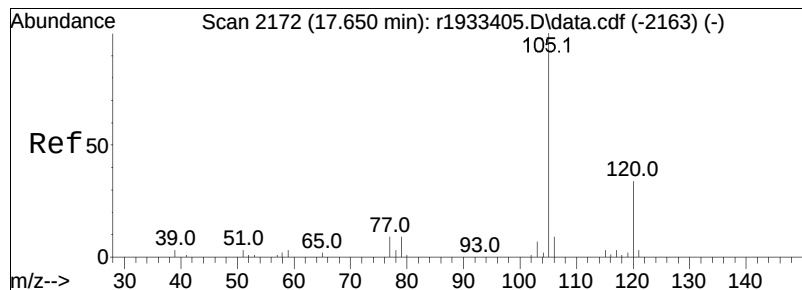




#87
 o-xylene
 Concen: 0.37 ppbV
 RT: 16.567 min Scan# 2042
 Delta R.T. -0.008 min
 Lab File: r1934362.D
 Acq: 8 May 2025 4:10 AM

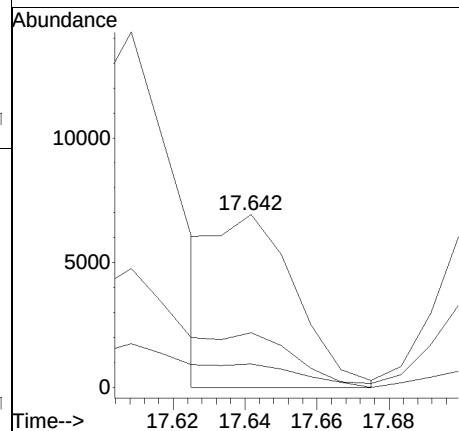
Tgt Ion	Ratio	Lower	Upper
91	100		
106	54.9	44.5	66.7

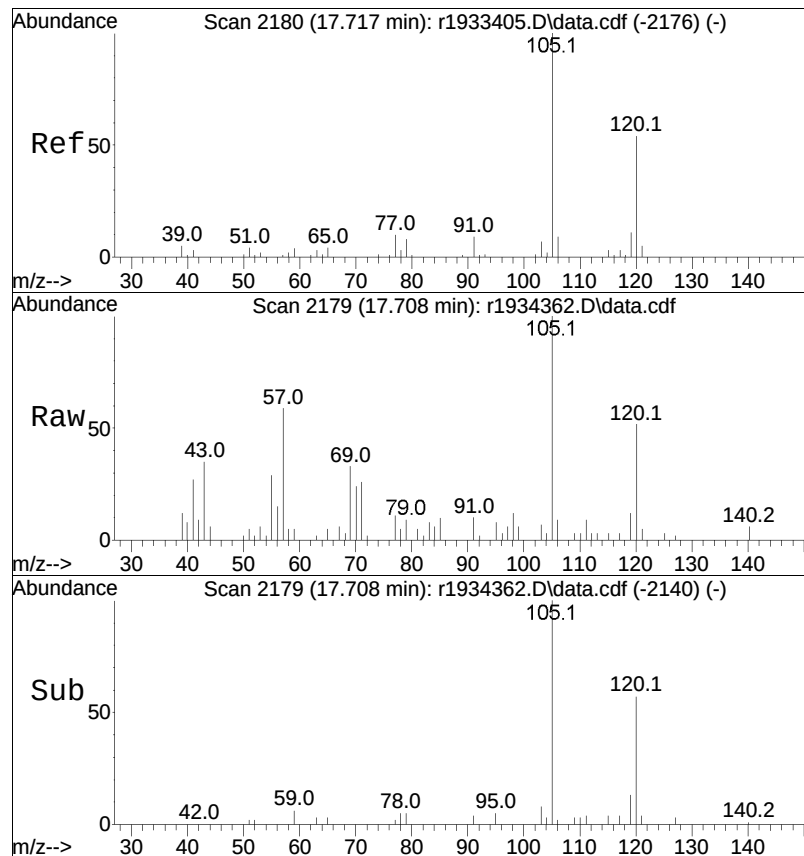




#96
 4-ethyl toluene
 Concen: 0.09 ppbV m
 RT: 17.642 min Scan# 2171
 Delta R.T. -0.008 min
 Lab File: r1934362.D
 Acq: 8 May 2025 4:10 AM

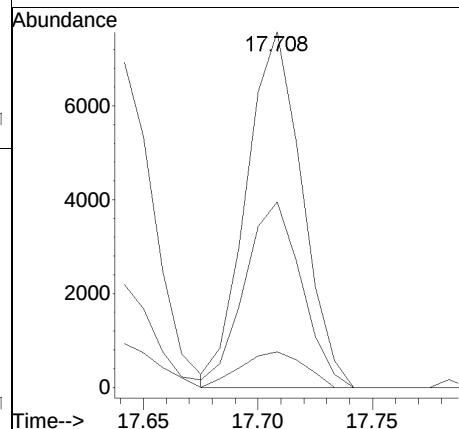
Tgt Ion	Ratio	Lower	Upper
105	100		
120	31.7	27.0	40.6
91	13.5	7.8	11.8

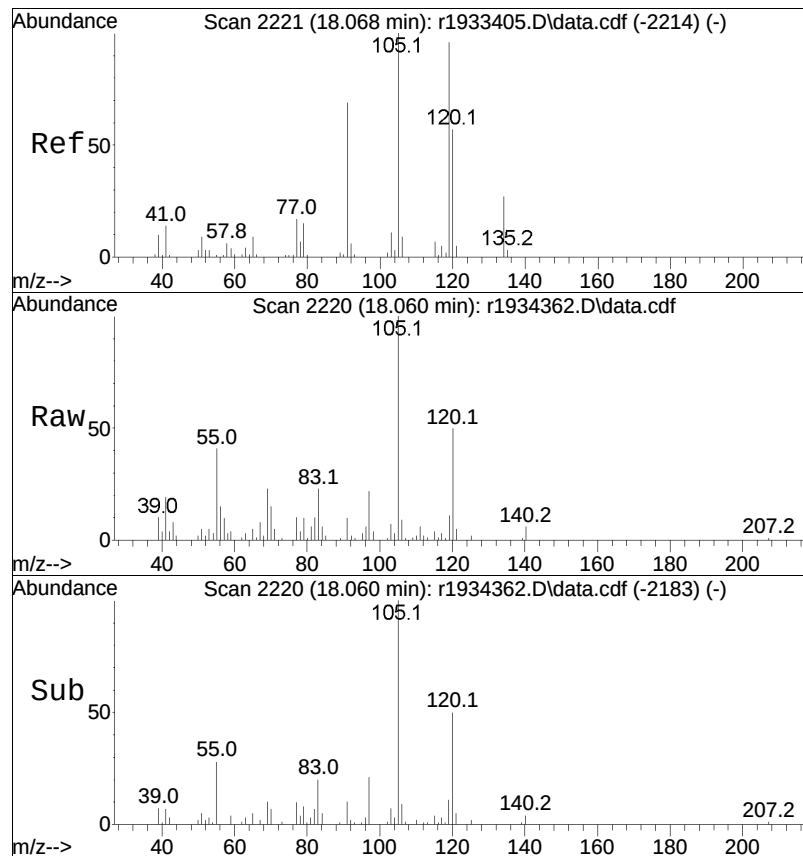




#97
 1,3,5-trimethylbenzene
 Concen: 0.12 ppbV
 RT: 17.708 min Scan# 2179
 Delta R.T. -0.008 min
 Lab File: r1934362.D
 Acq: 8 May 2025 4:10 AM

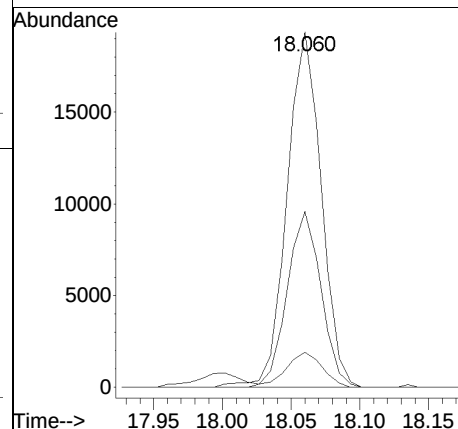
Tgt Ion:	105	Resp:	12820
Ion Ratio	Lower	Upper	
105	100		
120	52.2	42.5	63.7
91	10.0	7.4	11.2





#99
 1,2,4-trimethylbenzene
 Concen: 0.31 ppbV
 RT: 18.060 min Scan# 2220
 Delta R.T. -0.008 min
 Lab File: r1934362.D
 Acq: 8 May 2025 4:10 AM

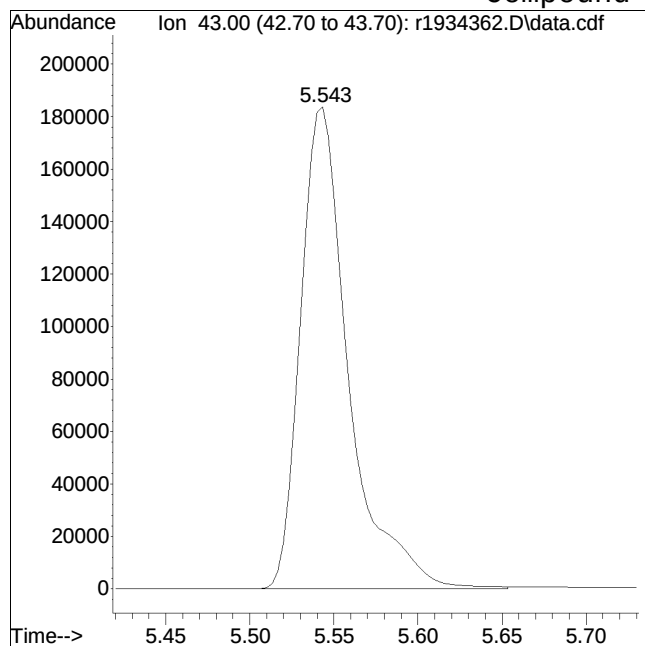
Tgt	Ion:105	Resp:	33522
Ion	Ratio	Lower	Upper
105	100		
120	49.5	45.8	68.6
91	9.9	55.0	82.6#



Manual Integration Report

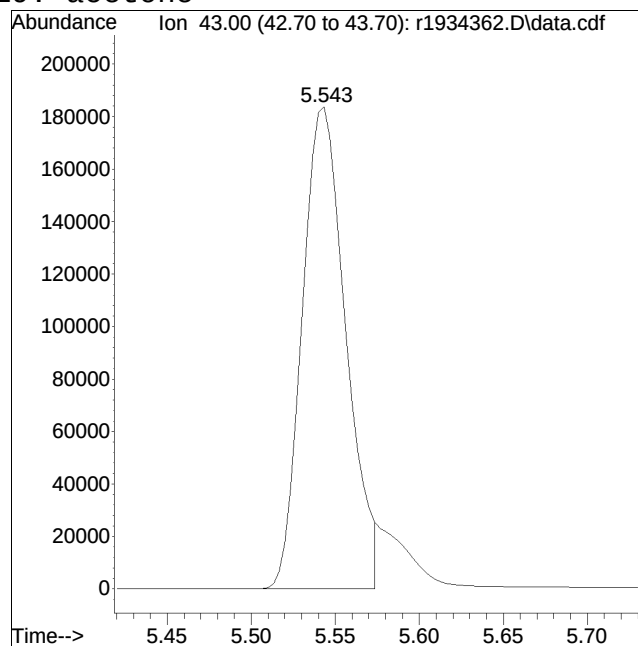
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934362.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 4:10 AM Instrument :
Sample : L2525337-06D,3,30,250 Quant Date : 5/8/2025 6:21 am

Compound #19: acetone



Original Peak Response = 365537

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



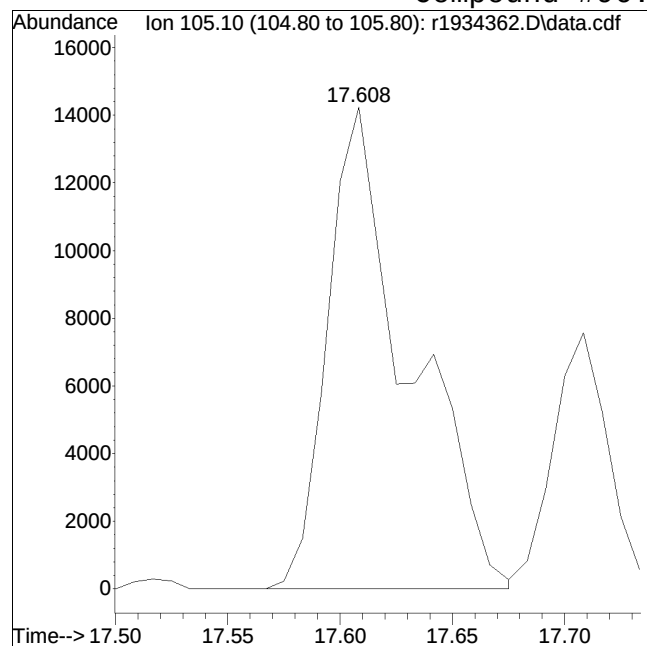
Manual Peak Response = 332074 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

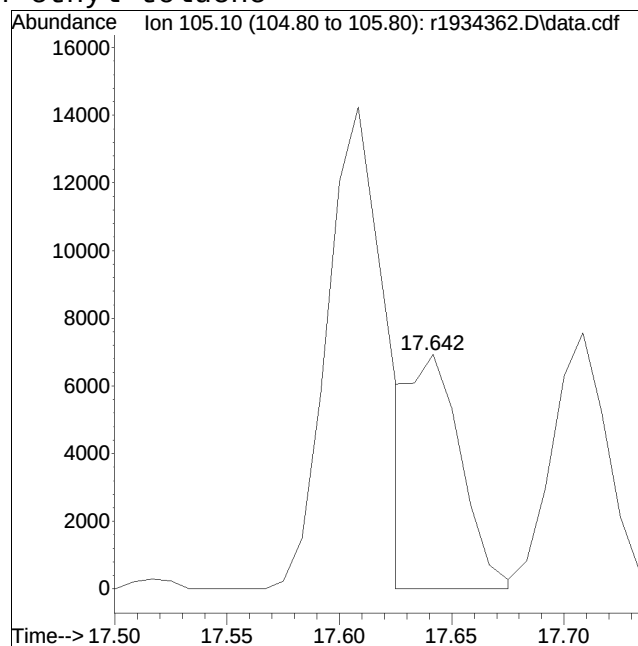
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934362.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 4:10 AM Instrument :
Sample : L2525337-06D,3,30,250 Quant Date : 5/8/2025 6:21 am

Compound #96: 4-ethyl toluene



Original Peak Response = 35926

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 10923 M6

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934363.D
 Acq On : 8 May 2025 4:49 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-07D,3,125,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:21:43 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.792	49	325437	10.000	ppbV	0.02
Standard Area = 339843			Recovery =	95.76%		
43) 1,4-difluorobenzene	10.923	114	1002190	10.000	ppbV	0.00
Standard Area = 931395			Recovery =	107.60%		
67) chlorobenzene-D5	15.600	54	136638	10.000	ppbV	0.00
Standard Area = 169143			Recovery =	80.78%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	4.076	85	10117	0.234	ppbV	96
6) chloromethane	4.226	50	1775	0.108	ppbV #	87
7) Freon-114	0.000		0	N.D.		
9) vinyl chloride	0.000		0	N.D.		
10) 1,3-butadiene	4.562	54	53574M6	2.882	ppbV	
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	5.096	31	70204	3.608	ppbV	93
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.560	43	1137242M6	33.243	ppbV	
21) trichlorofluoromethane	5.737	101	4293	0.103	ppbV	95
22) isopropyl alcohol	5.810	45	111723	2.829	ppbV	99
26) 1,1-dichloroethene	0.000		0	N.D.	d	
27) tertiary butyl alcohol	6.416	59	155294	2.516	ppbV #	86
28) methylene chloride	6.506	49	1462	0.056	ppbV	92
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	6.794	76	54920	0.772	ppbV #	70
31) Freon 113	6.794	101	1765	0.037	ppbV	95
32) trans-1,2-dichloroethene	7.500	61	1627	0.038	ppbV #	90
33) 1,1-dichloroethane	7.817		0	N.D.		
34) MTBE	7.767		0	N.D.		
36) 2-butanone	8.125	43	61172	1.118	ppbV	99
37) cis-1,2-dichloroethene	8.608	61	4722	0.112	ppbV	99
38) Ethyl Acetate	8.933		0	N.D.		
39) chloroform	8.933	83	49173	1.150	ppbV	97
40) Tetrahydrofuran	9.367	42	5554	0.179	ppbV	93
42) 1,2-dichloroethane	9.900		0	N.D.		
44) hexane	8.850	57	91694	1.500	ppbV #	19

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934363.D
 Acq On : 8 May 2025 4:49 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-07D,3,125,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:21:43 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	10.008		0	N.D.		
50) benzene	10.517	78	65982	0.749	ppbV	98
52) carbon tetrachloride	10.677	117	2169	0.066	ppbV	96
53) cyclohexane	10.817	56	24134	0.411	ppbV	96
56) 1,2-dichloropropane	0.000		0	N.D.		
57) bromodichloromethane	0.000		0	N.D.	d	
58) 1,4-dioxane	0.000		0	N.D.		
59) trichloroethene	11.703	130	2986623	78.020	ppbV	98
60) 2,2,4-trimethylpentane	11.750	57	44529	0.256	ppbV #	42
62) heptane	12.063	43	36889	0.674	ppbV	92
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.733	43	6428	0.102	ppbV	92
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	13.575		0	N.D.		
68) toluene	13.817	91	338701	3.494	ppbV	99
72) 2-hexanone	14.108	43	9501	0.184	ppbV #	36
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.000	166	237956	5.717	ppbV	98
80) chlorobenzene	0.000		0	N.D.	d	
81) ethylbenzene	15.992	91	81296	0.660	ppbV	99
83) m+p-xylene	16.142	91	285462	2.904	ppbV	97
84) bromoform	0.000		0	N.D.		
85) styrene	16.475	104	37806	0.463	ppbV	100
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
87) o-xylene	16.567	91	114378	1.192	ppbV	98
96) 4-ethyl toluene	17.642	105	47088M6	0.371	ppbV	
97) 1,3,5-trimethylbenzene	17.708	105	37180	0.338	ppbV	99
99) 1,2,4-trimethylbenzene	18.068	105	112229	1.012	ppbV #	56
101) Benzyl Chloride	18.193		0	N.D.		
102) 1,3-dichlorobenzene	18.260		0	N.D.		
103) 1,4-dichlorobenzene	18.260		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.042	128	4533	0.042	ppbV	97
119) hexachlorobutadiene	0.000		0	N.D.		

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934363.D
 Acq On : 8 May 2025 4:49 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-07D,3,125,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:21:43 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

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

Sub List : T015-NY+Naphthalene - .\2025\05\0507T\r1934340.D

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\

Data File : r1934363.D

Acq On : 8 May 2025 4:49 AM

Operator : AIRLAB19:TPH

Sample : L2525337-07D,3,125,250

Misc : WG2063684,ICAL22124

ALS Vial : 0 Sample Multiplier: 1

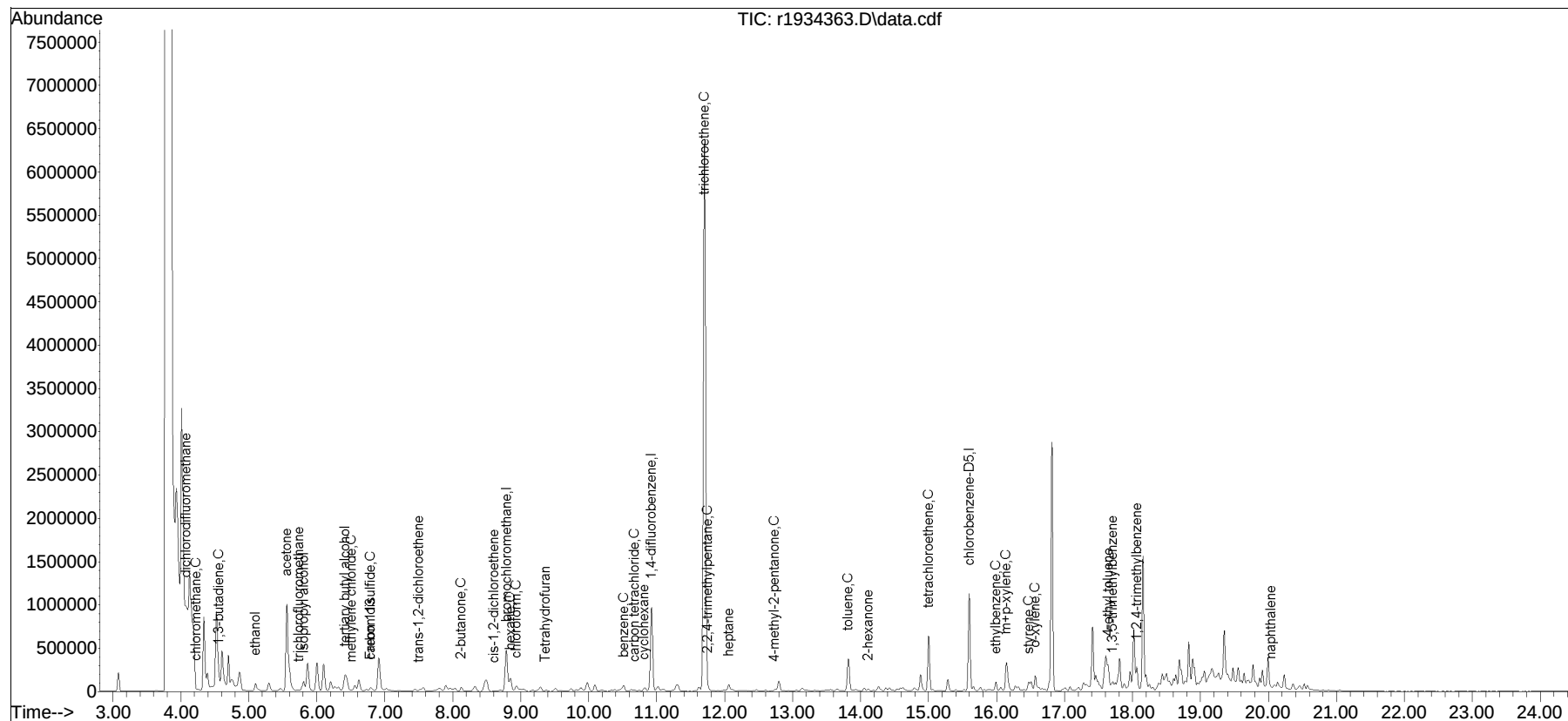
Quant Time: May 08 06:21:43 2025

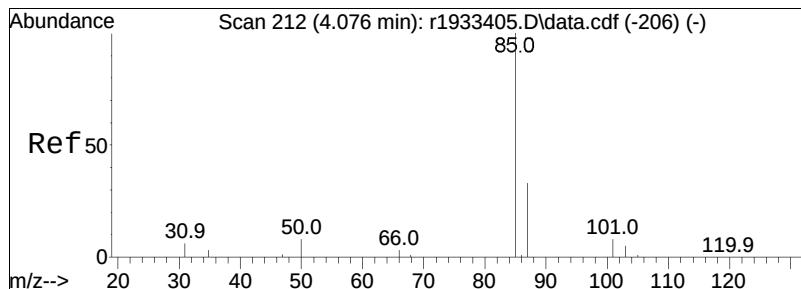
Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M

Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis

QLast Update : Sun Mar 30 07:46:23 2025

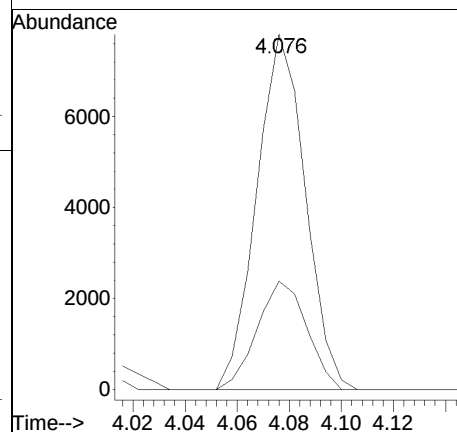
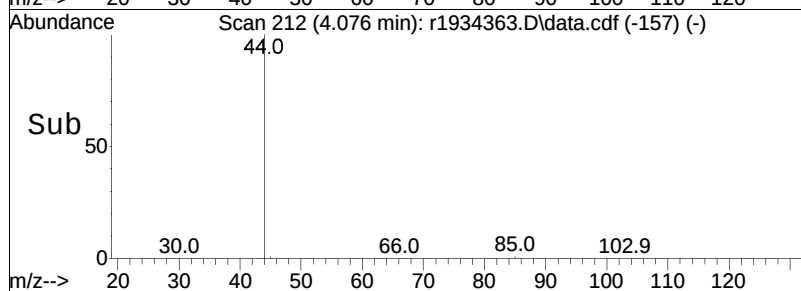
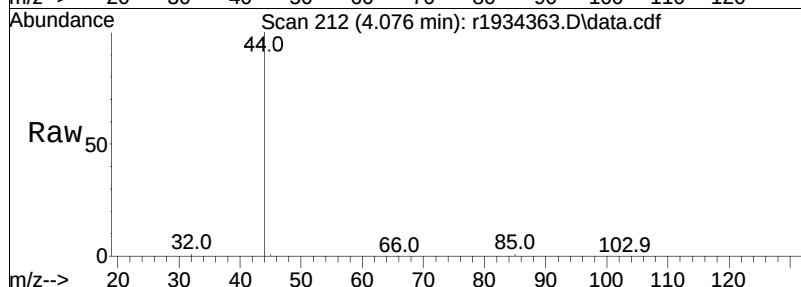
Response via : Initial Calibration

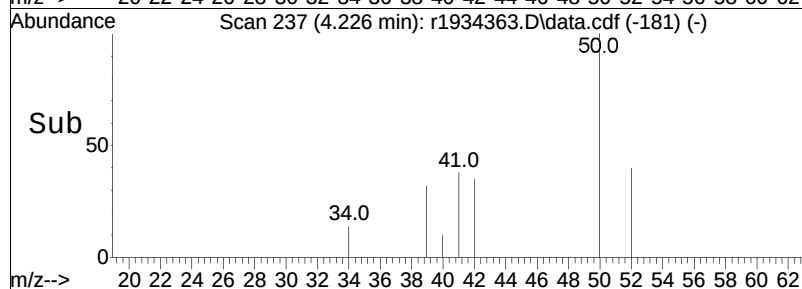
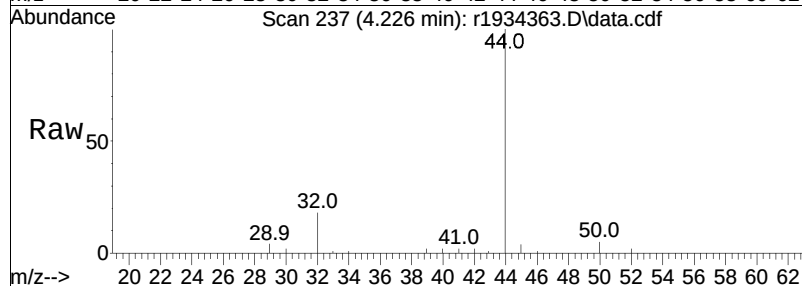
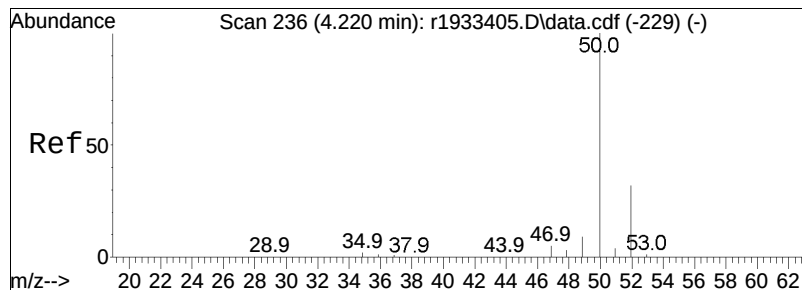




#5
dichlorodifluoromethane
Concen: 0.23 ppbV
RT: 4.076 min Scan# 212
Delta R.T. 0.000 min
Lab File: r1934363.D
Acq: 8 May 2025 4:49 AM

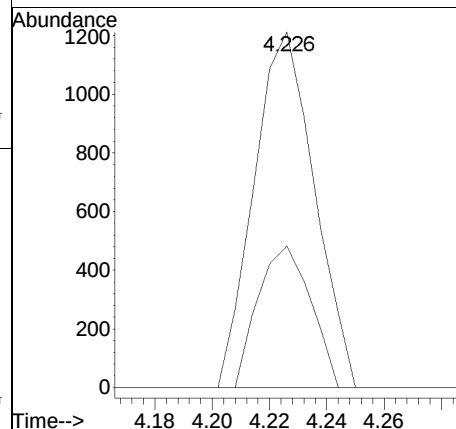
Tgt Ion: 85 Resp: 10117
Ion Ratio Lower Upper
85 100
87 30.5 26.2 39.4

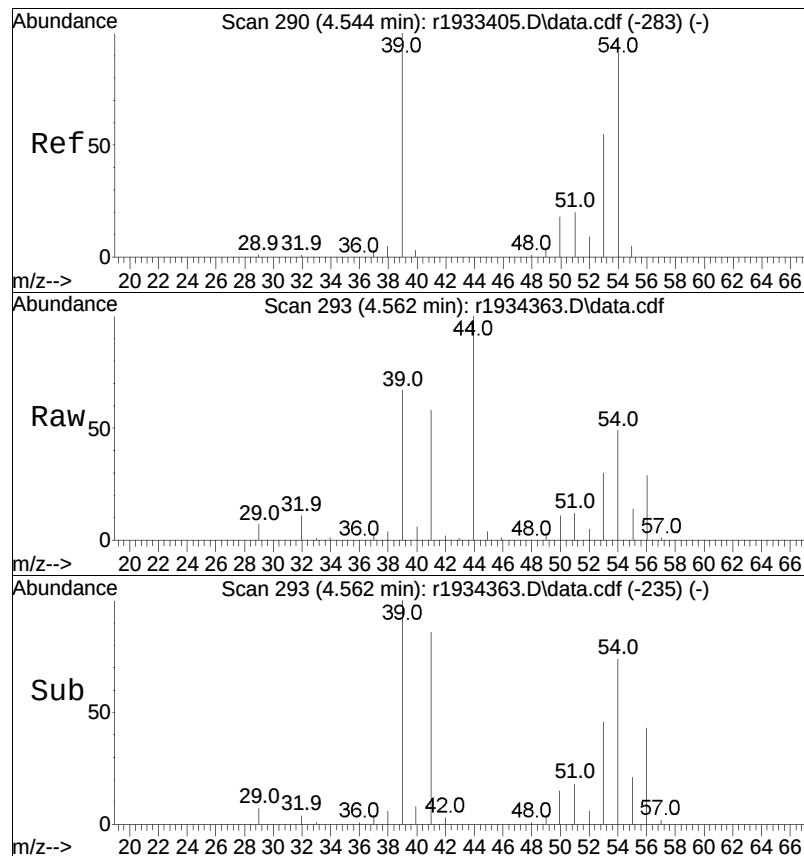




#6
 chloromethane
 Concen: 0.11 ppbV
 RT: 4.226 min Scan# 237
 Delta R.T. 0.006 min
 Lab File: r1934363.D
 Acq: 8 May 2025 4:49 AM

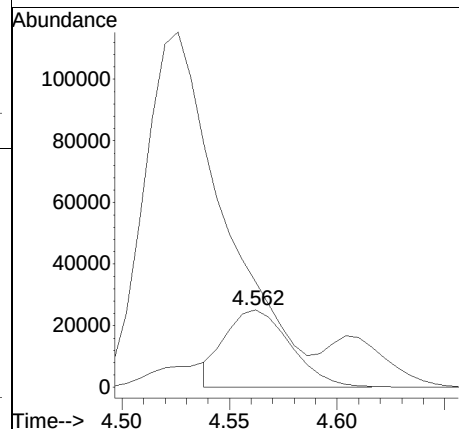
Tgt Ion	Ratio	Lower	Upper
50	100		
52	39.8	25.9	38.9#

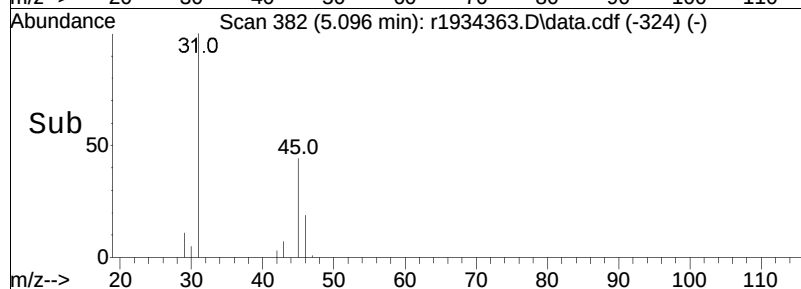
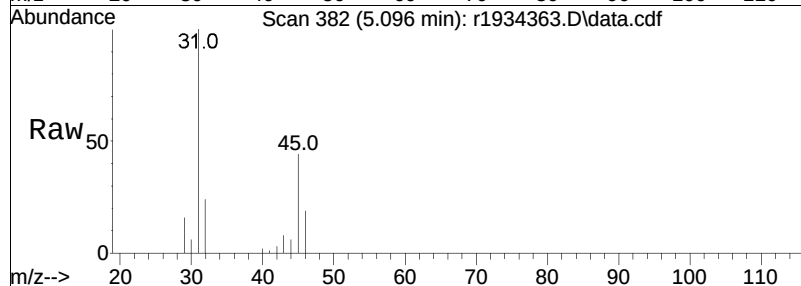
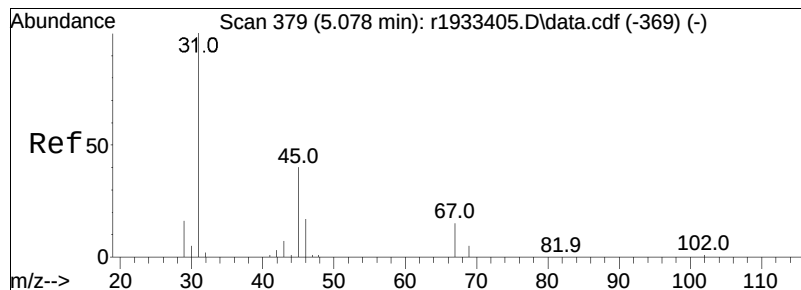




#10
 1,3-butadiene
 Concen: 2.88 ppbV m
 RT: 4.562 min Scan# 293
 Delta R.T. 0.018 min
 Lab File: r1934363.D
 Acq: 8 May 2025 4:49 AM

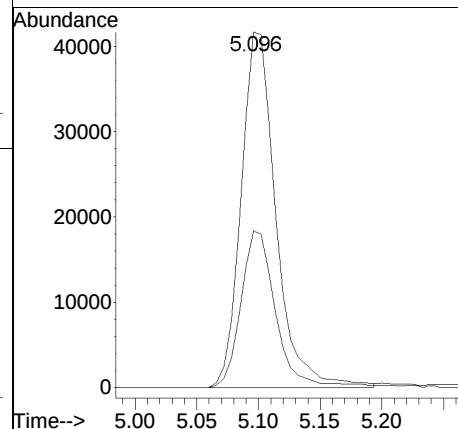
Tgt Ion	Ratio	Lower	Upper
54	100		
39	136.2	84.2	126.4#

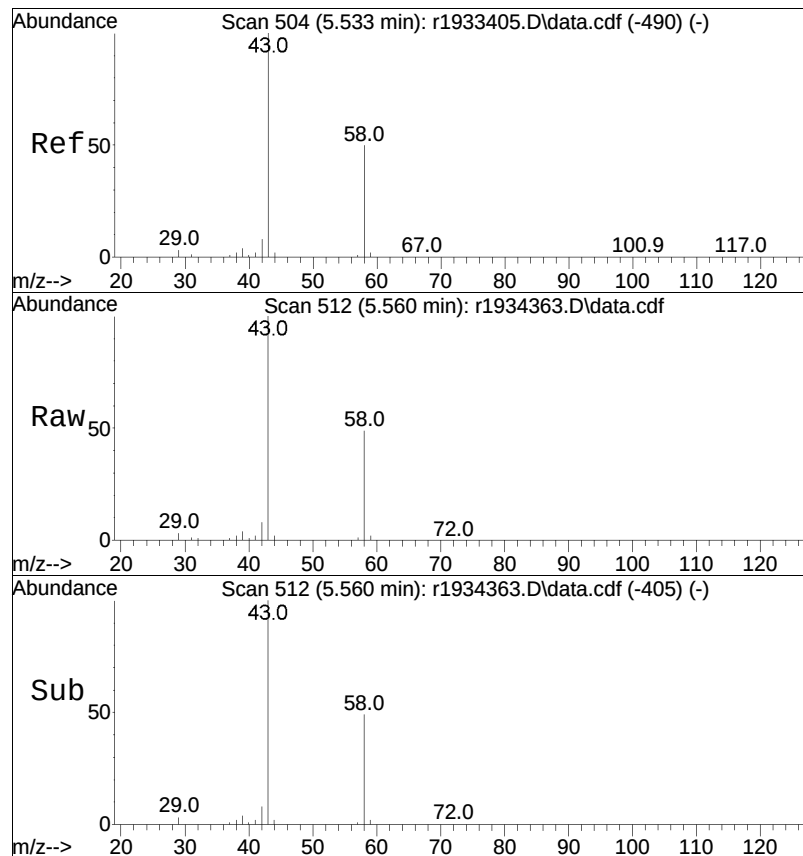




#15
ethanol
Concen: 3.61 ppbV
RT: 5.096 min Scan# 382
Delta R.T. 0.018 min
Lab File: r1934363.D
Acq: 8 May 2025 4:49 AM

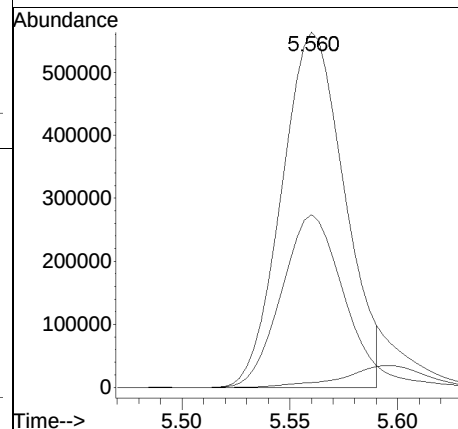
Tgt	Ion	Ratio	Lower	Upper
31	100			
45	44.0	31.8	47.8	

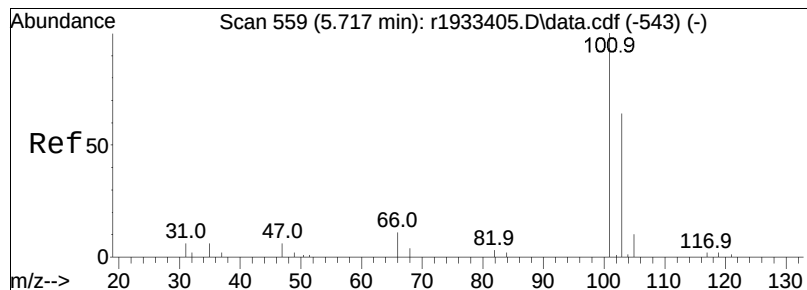




#19
 acetone
 Concen: 33.24 ppbV m
 RT: 5.560 min Scan# 512
 Delta R.T. 0.027 min
 Lab File: r1934363.D
 Acq: 8 May 2025 4:49 AM

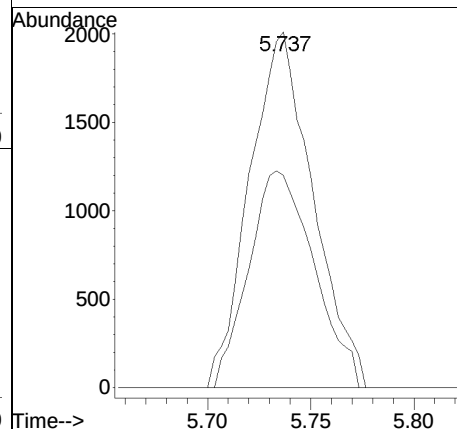
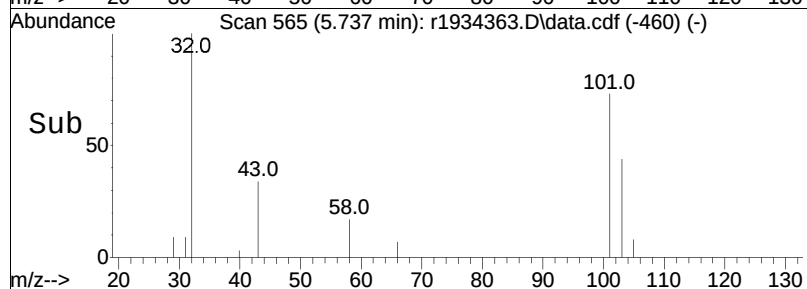
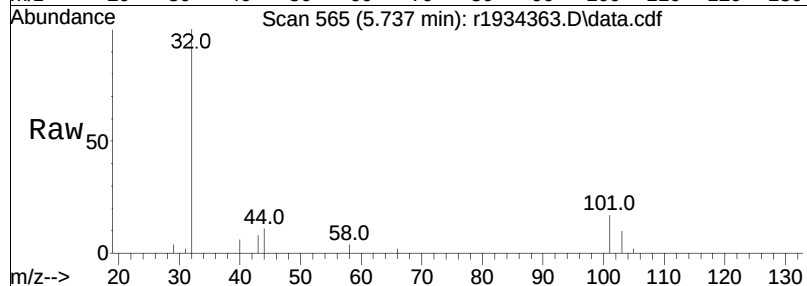
Tgt Ion:	43	Resp:	1137242
Ion Ratio	Lower	Upper	
43	100		
58	48.6	40.4	60.6
57	1.4	1.0	1.4

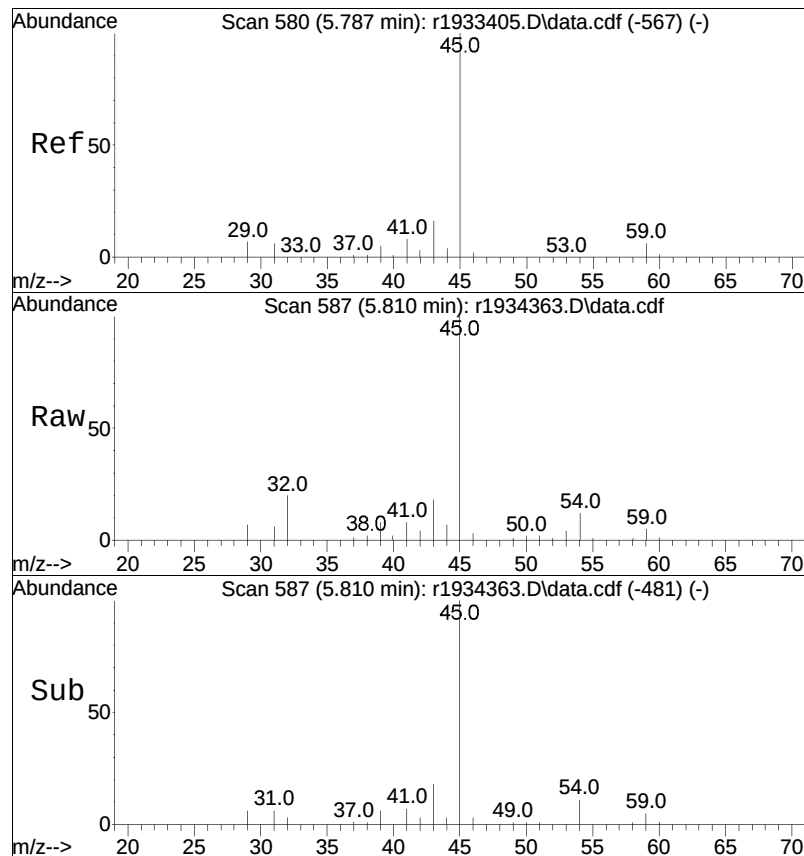




#21
 trichlorofluoromethane
 Concen: 0.10 ppbV
 RT: 5.737 min Scan# 565
 Delta R.T. 0.020 min
 Lab File: r1934363.D
 Acq: 8 May 2025 4:49 AM

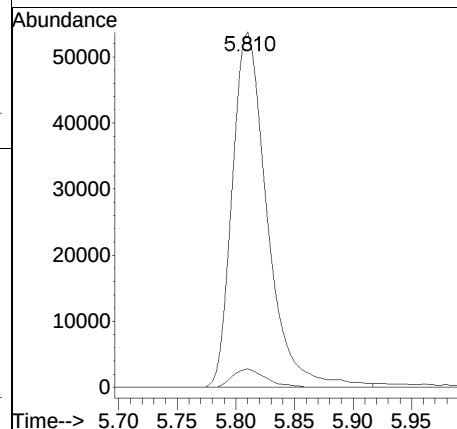
Tgt Ion:101 Resp: 4293
 Ion Ratio Lower Upper
 101 100
 103 59.7 51.0 76.4

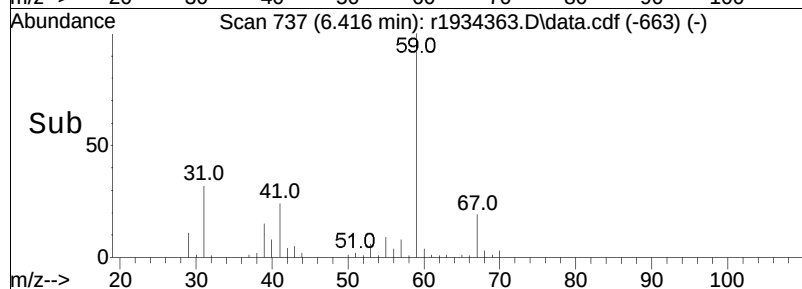
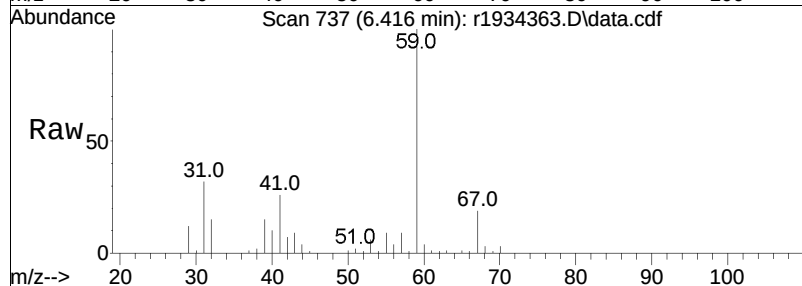
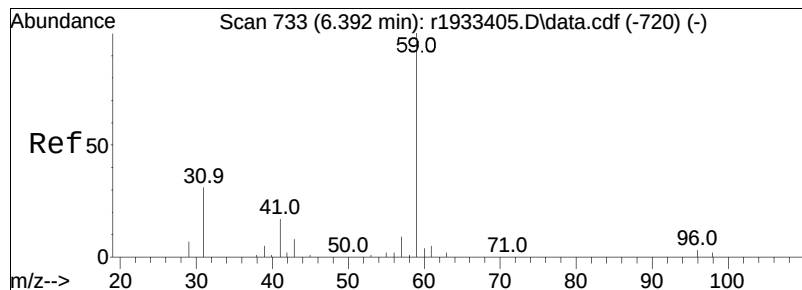




#22
 isopropyl alcohol
 Concen: 2.83 ppbV
 RT: 5.810 min Scan# 587
 Delta R.T. 0.023 min
 Lab File: r1934363.D
 Acq: 8 May 2025 4:49 AM

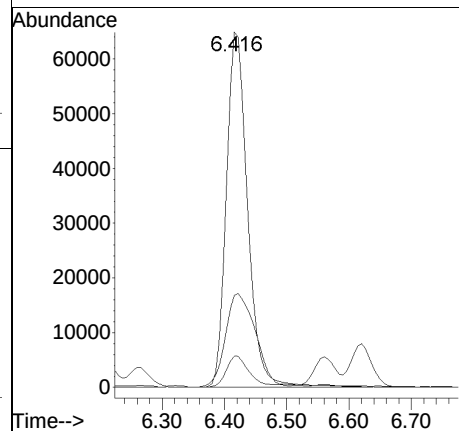
Tgt Ion	Ratio	Lower	Upper
45	100		
59	5.2	4.4	6.6

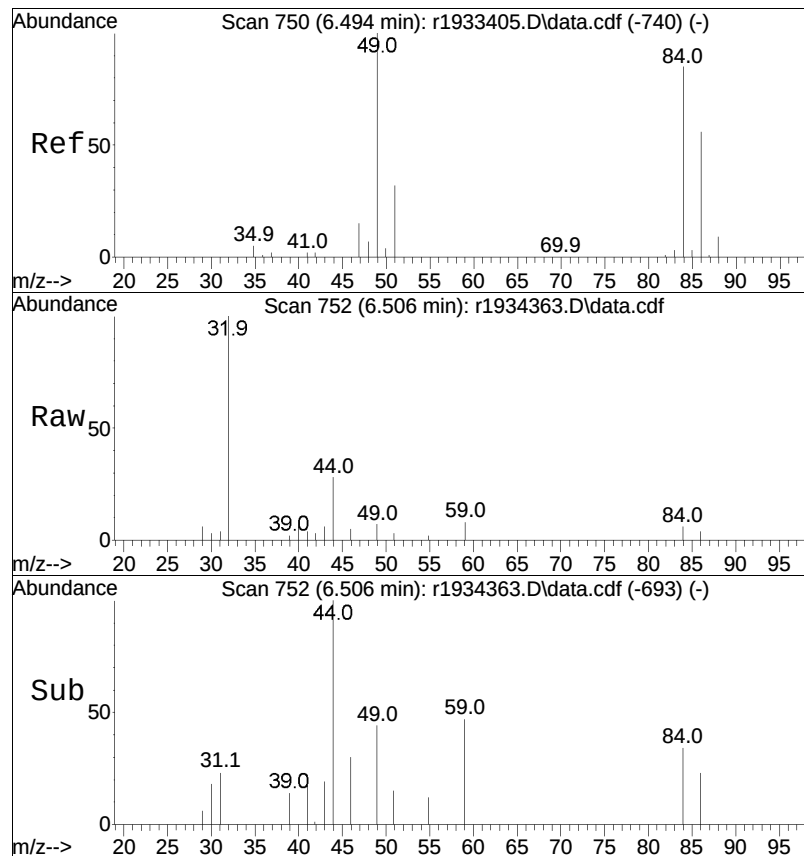




#27
 tertiary butyl alcohol
 Concen: 2.52 ppbV
 RT: 6.416 min Scan# 737
 Delta R.T. 0.024 min
 Lab File: r1934363.D
 Acq: 8 May 2025 4:49 AM

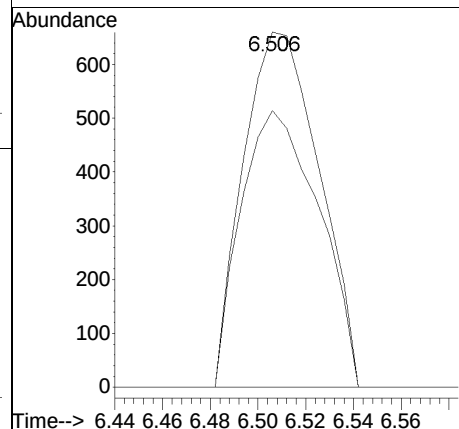
Tgt Ion	Ratio	Lower	Upper
59	100		
41	26.0	14.0	21.0#
43	8.8	6.3	9.5

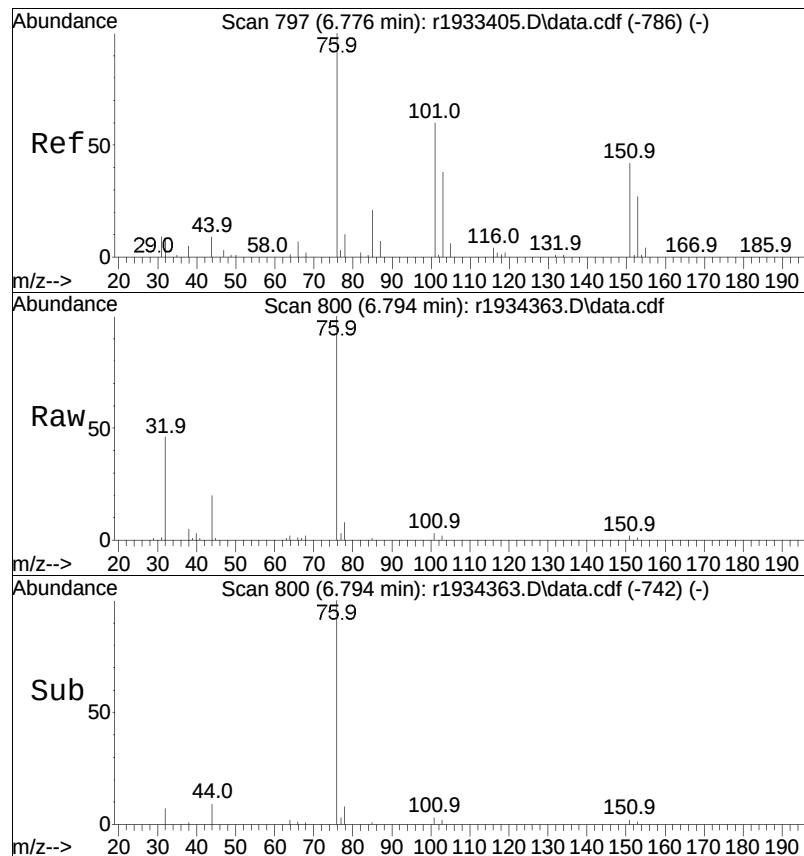




#28
 methylene chloride
 Concen: 0.06 ppbV
 RT: 6.506 min Scan# 752
 Delta R.T. 0.012 min
 Lab File: r1934363.D
 Acq: 8 May 2025 4:49 AM

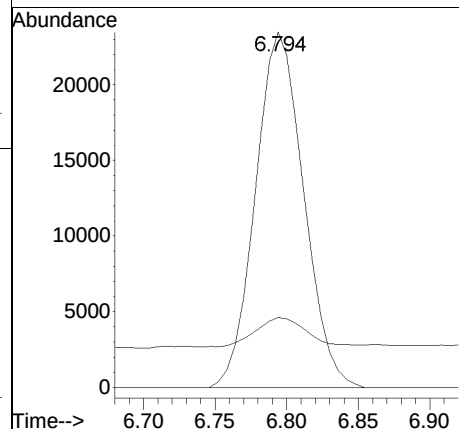
Tgt Ion:	49	84	Ratio	100	77.9	Resp:	1462
Lower			68.4				
Upper			102.6				

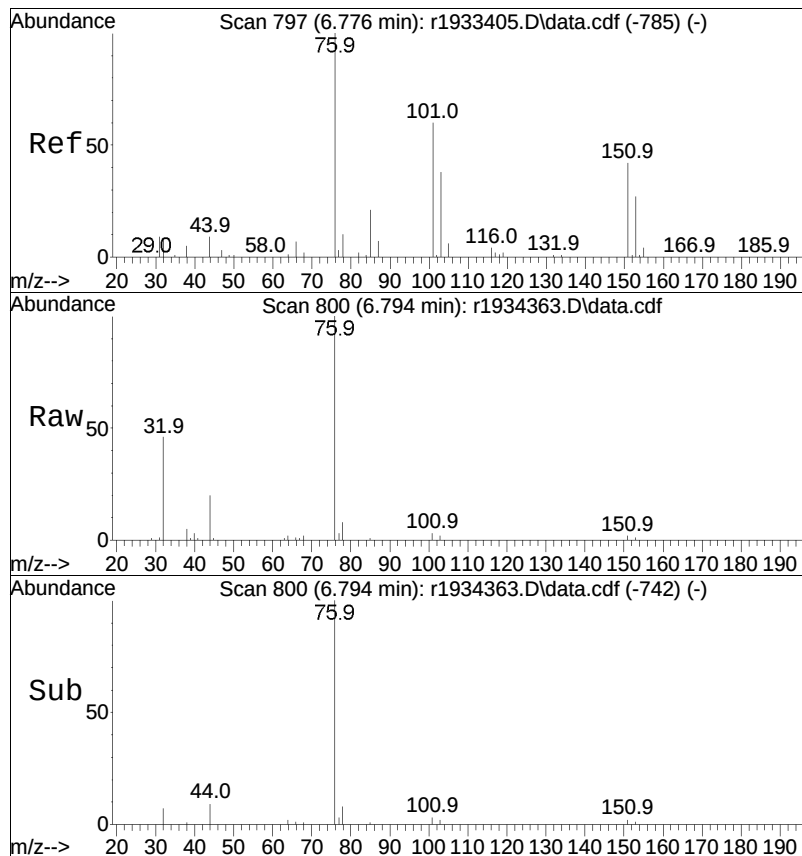




#30
 carbon disulfide
 Concen: 0.77 ppbV
 RT: 6.794 min Scan# 800
 Delta R.T. 0.018 min
 Lab File: r1934363.D
 Acq: 8 May 2025 4:49 AM

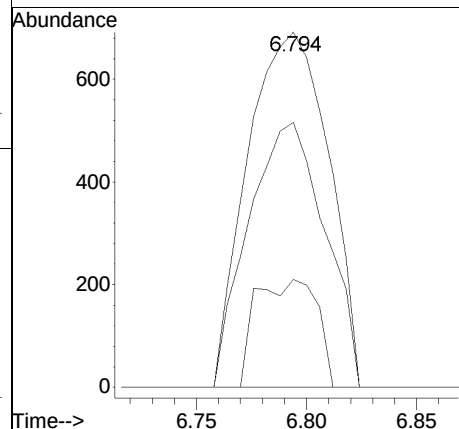
Tgt Ion	Ratio	Lower	Upper
76	100		
44	19.7	7.0	10.6#

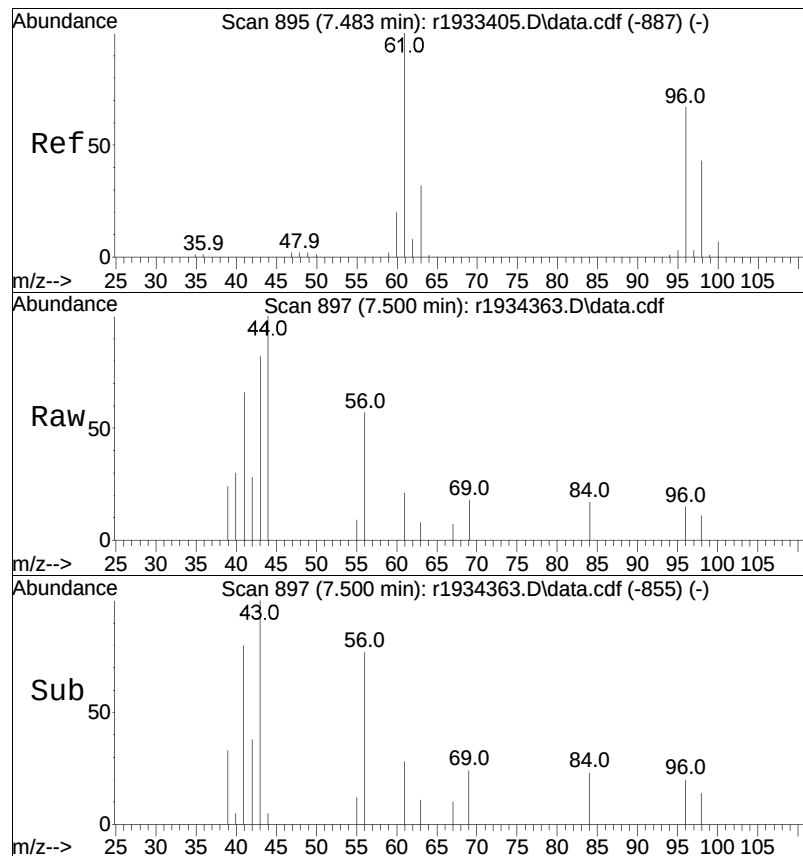




#31
 Freon 113
 Concen: 0.04 ppbV
 RT: 6.794 min Scan# 800
 Delta R.T. 0.018 min
 Lab File: r1934363.D
 Acq: 8 May 2025 4:49 AM

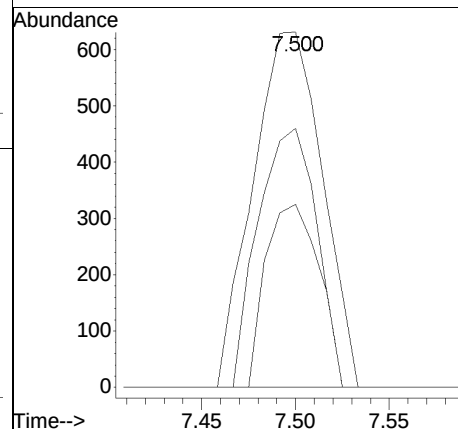
Tgt	Ion:101	Resp:	1765
Ion	Ratio	Lower	Upper
101	100		
85	30.3	27.7	41.5
151	74.6	56.6	85.0

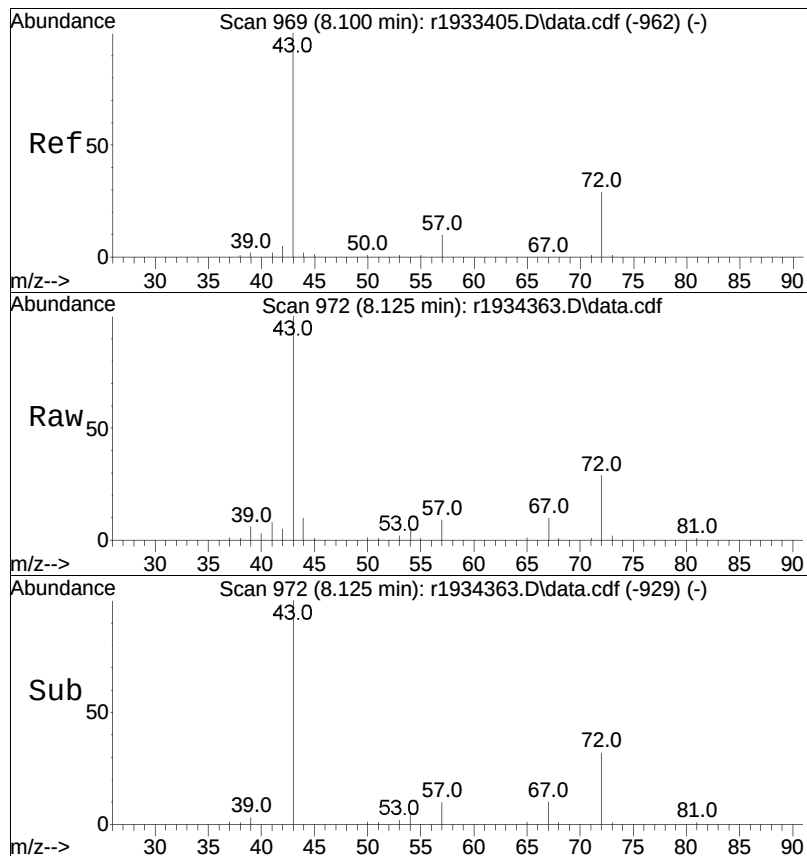




#32
 trans-1,2-dichloroethene
 Concen: 0.04 ppbV
 RT: 7.500 min Scan# 897
 Delta R.T. 0.017 min
 Lab File: r1934363.D
 Acq: 8 May 2025 4:49 AM

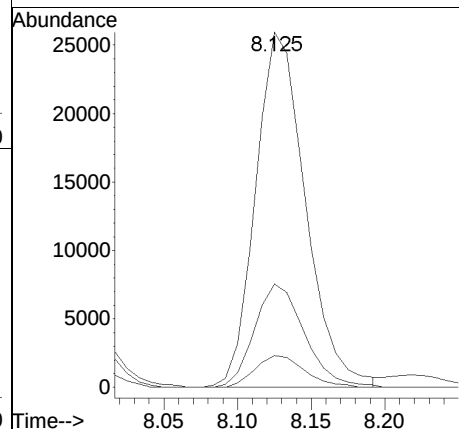
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	1627		
96	72.9		53.8	80.6
98	51.5		34.3	51.5#

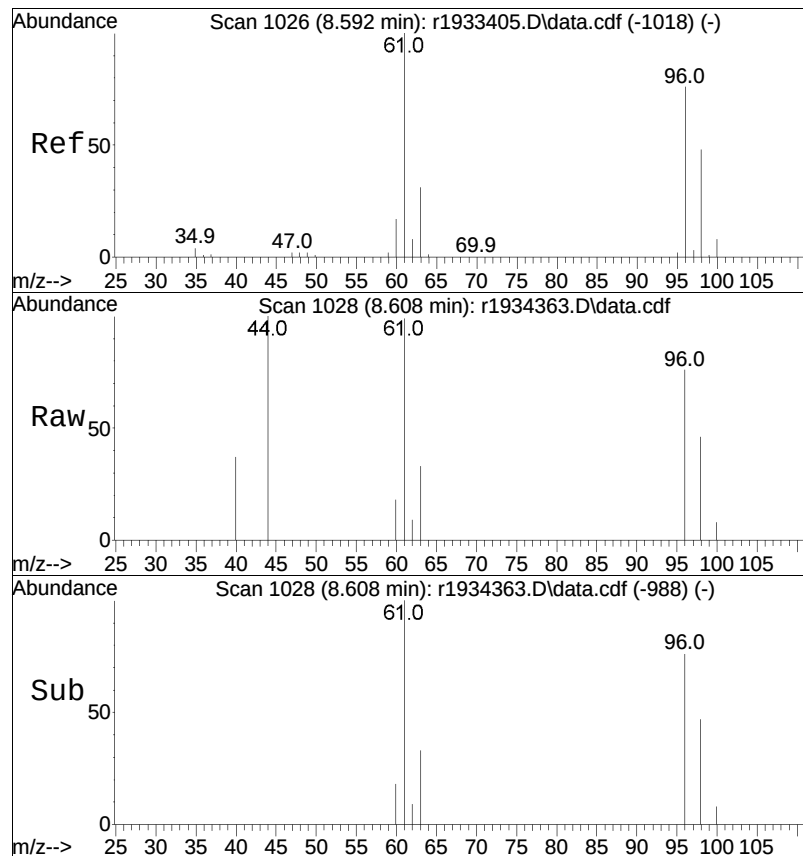




#36
 2-butanone
 Concen: 1.12 ppbV
 RT: 8.125 min Scan# 972
 Delta R.T. 0.025 min
 Lab File: r1934363.D
 Acq: 8 May 2025 4:49 AM

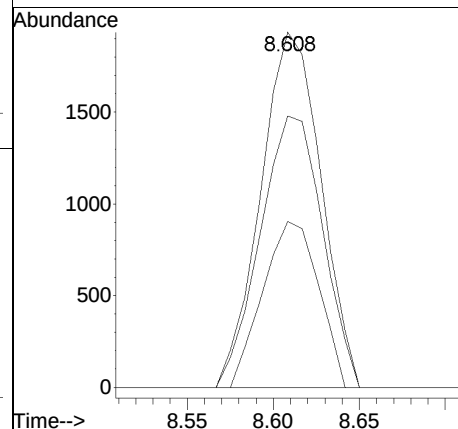
Tgt Ion:	43	Resp:	61172
Ion Ratio	Lower	Upper	
43	100		
72	29.1	23.3	34.9
57	9.0	7.9	11.9

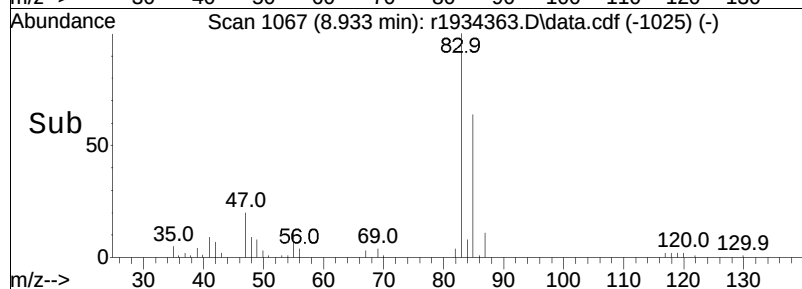
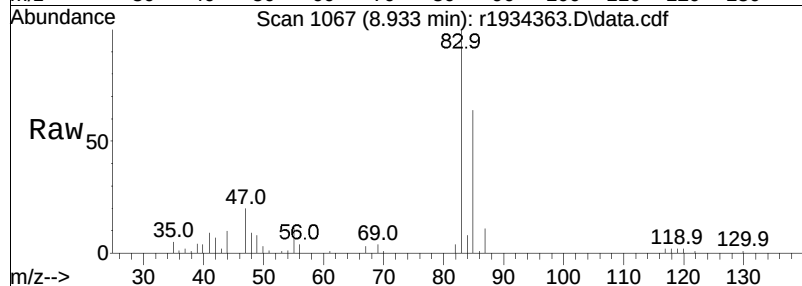
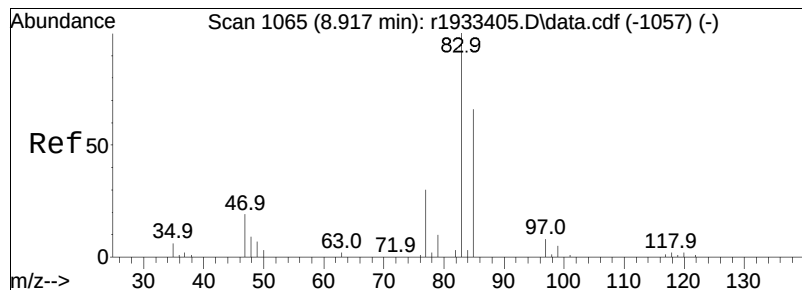




#37
 cis-1,2-dichloroethene
 Concen: 0.11 ppbV
 RT: 8.608 min Scan# 1028
 Delta R.T. 0.017 min
 Lab File: r1934363.D
 Acq: 8 May 2025 4:49 AM

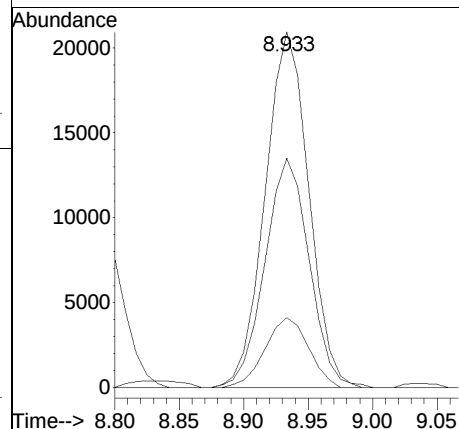
Tgt Ion:	61	Resp:	4722
Ion Ratio	Lower	Upper	
61	100		
96	76.4	61.1	91.7
98	46.7	38.5	57.7

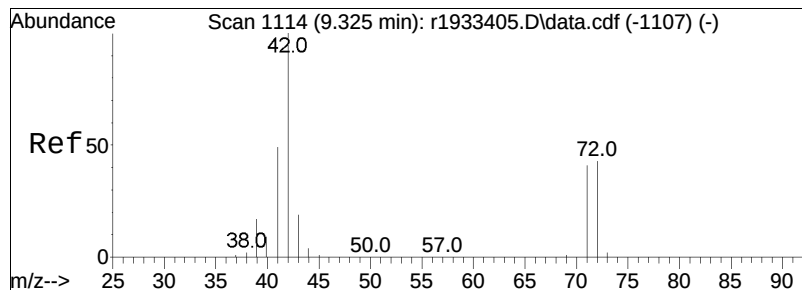




#39
chloroform
Concen: 1.15 ppbV
RT: 8.933 min Scan# 1067
Delta R.T. 0.017 min
Lab File: r1934363.D
Acq: 8 May 2025 4:49 AM

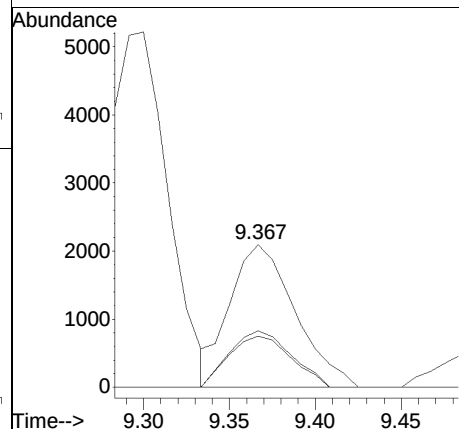
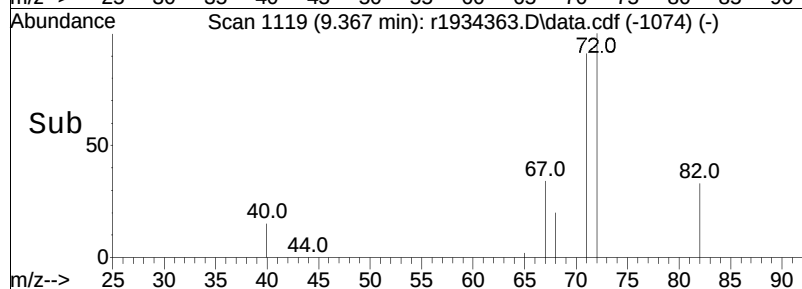
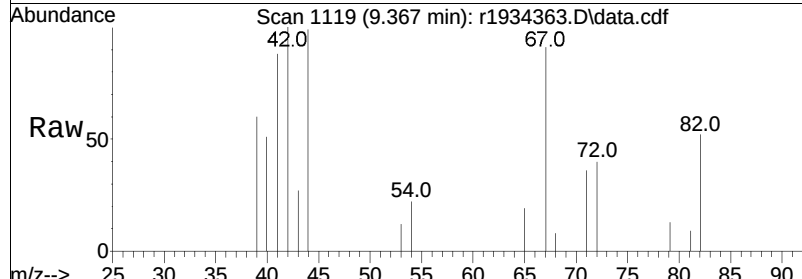
Tgt Ion:	83	Resp:	49173
Ion Ratio	Lower	Upper	
83	100		
85	64.5	53.4	80.0
47	19.6	15.0	22.4

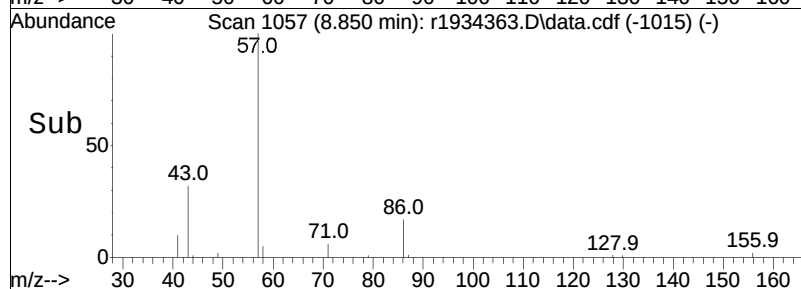
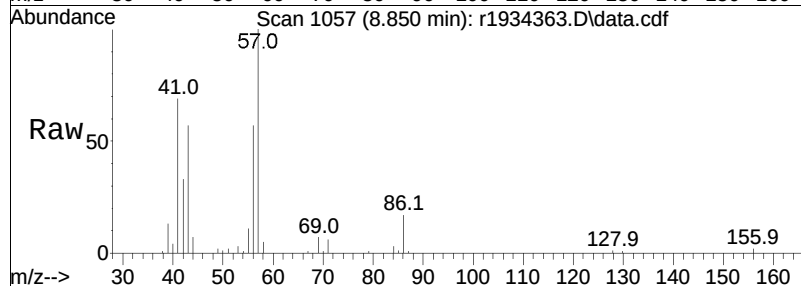
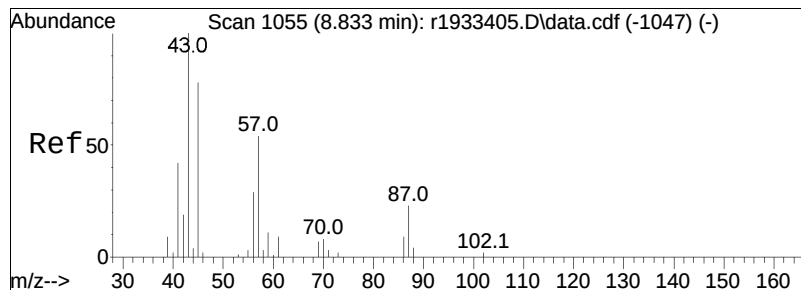




#40
Tetrahydrofuran
Concen: 0.18 ppbV
RT: 9.367 min Scan# 1119
Delta R.T. 0.042 min
Lab File: r1934363.D
Acq: 8 May 2025 4:49 AM

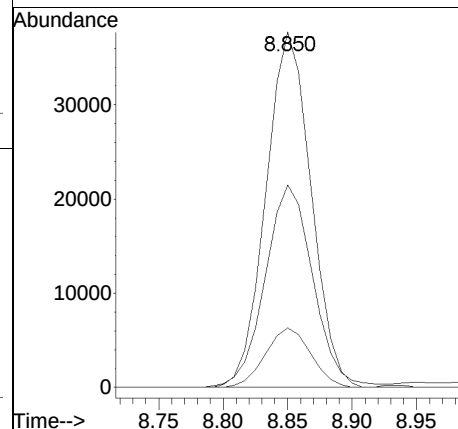
Tgt Ion	Ratio	Lower	Upper
42	100		
71	36.0	32.6	48.8
72	39.7	34.6	52.0

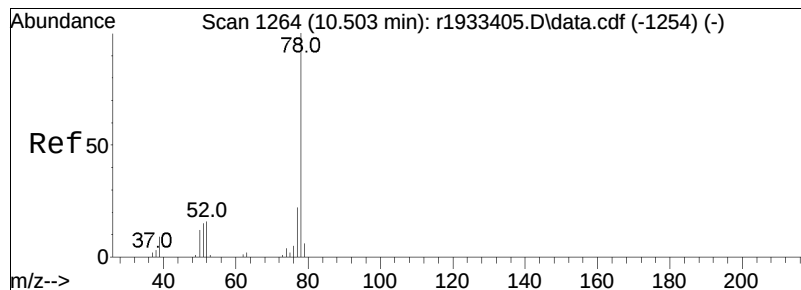




#44
hexane
Concen: 1.50 ppbV
RT: 8.850 min Scan# 1057
Delta R.T. 0.017 min
Lab File: r1934363.D
Acq: 8 May 2025 4:49 AM

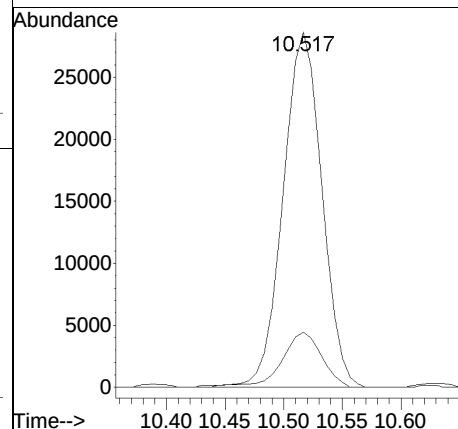
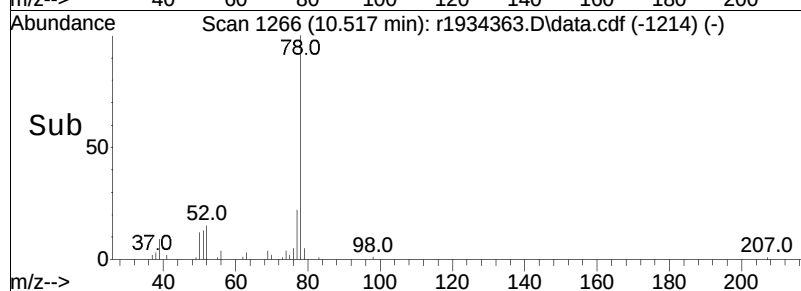
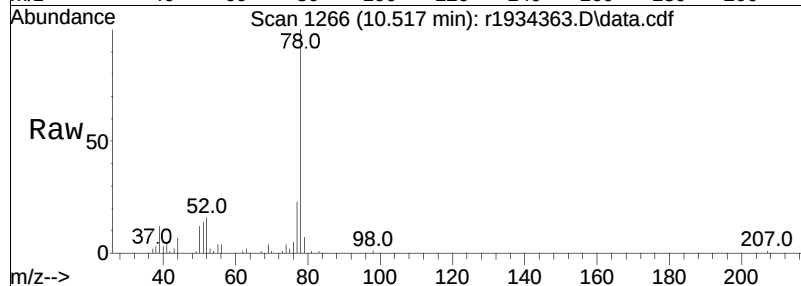
Tgt	Ion	Resp	Lower	Upper
57	100	91694		
43	57.0	148.0	222.0#	
86	16.7	13.7	20.5	

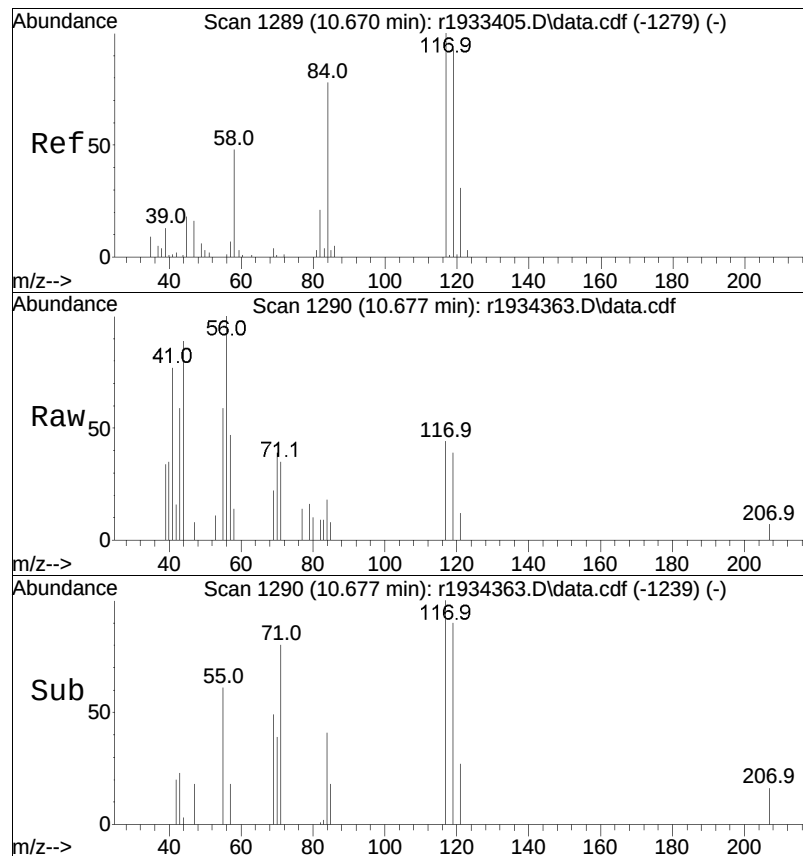




#50
benzene
Concen: 0.75 ppbV
RT: 10.517 min Scan# 1266
Delta R.T. 0.013 min
Lab File: r1934363.D
Acq: 8 May 2025 4:49 AM

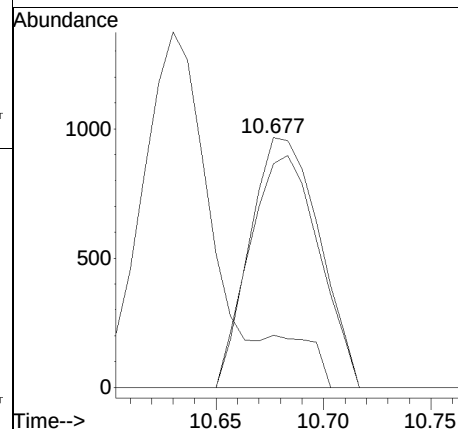
Tgt Ion	Ratio	Lower	Upper
78	100		
52	15.5	13.2	19.8

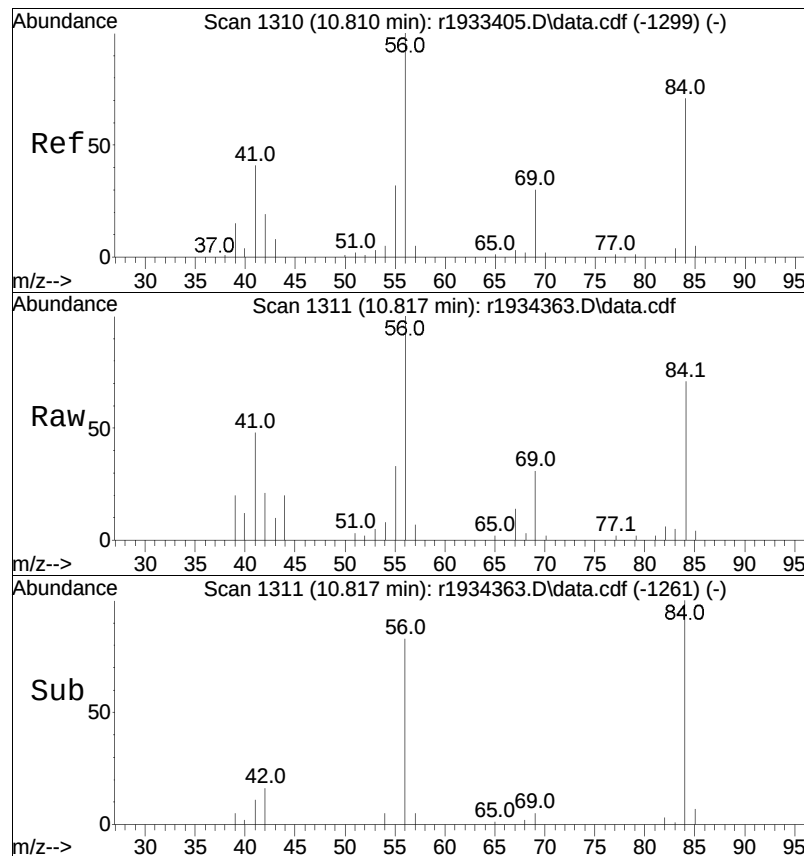




#52
 carbon tetrachloride
 Concen: 0.07 ppbV
 RT: 10.677 min Scan# 1290
 Delta R.T. 0.007 min
 Lab File: r1934363.D
 Acq: 8 May 2025 4:49 AM

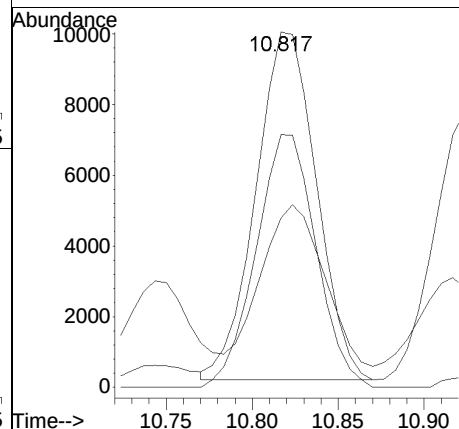
Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.5	75.6	113.4
82	20.9	16.8	25.2

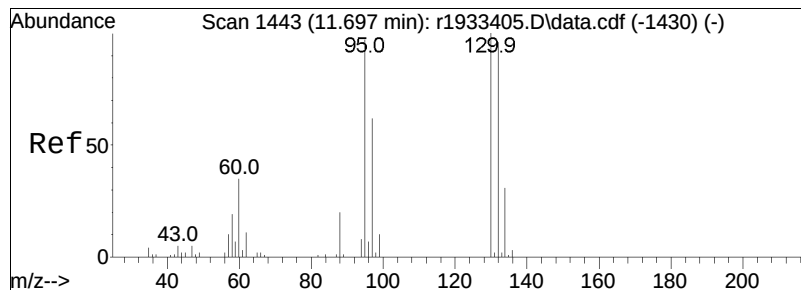




#53
cyclohexane
Concen: 0.41 ppbV
RT: 10.817 min Scan# 1311
Delta R.T. 0.007 min
Lab File: r1934363.D
Acq: 8 May 2025 4:49 AM

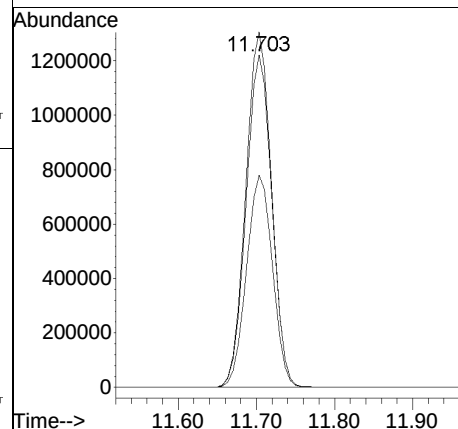
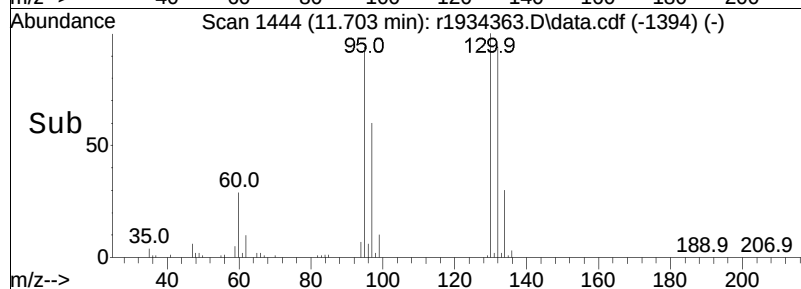
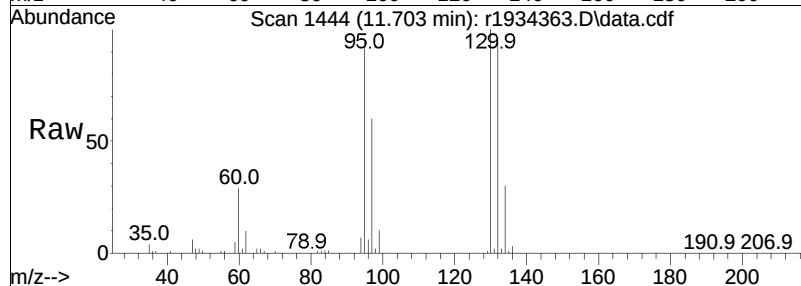
Tgt Ion	Ratio	Lower	Upper
56	100		
84	71.1	56.8	85.2
41	47.7	32.8	49.2

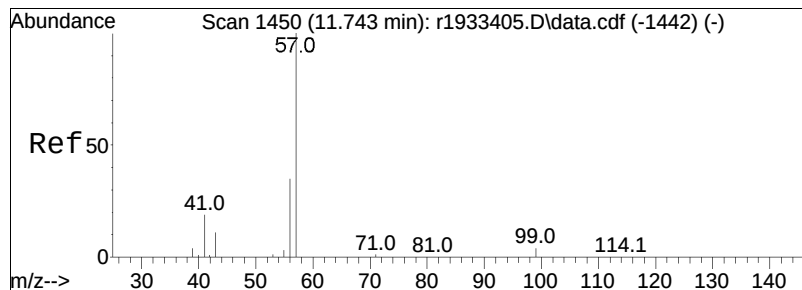




#59
 trichloroethene
 Concen: 78.02 ppbV
 RT: 11.703 min Scan# 1444
 Delta R.T. 0.007 min
 Lab File: r1934363.D
 Acq: 8 May 2025 4:49 AM

Tgt Ion	Ratio	Lower	Upper
130	100		
132	93.6	76.6	114.8
97	59.7	49.3	73.9





#60

2,2,4-trimethylpentane

Concen: 0.26 ppbV

RT: 11.750 min Scan# 1451

Delta R.T. 0.007 min

Lab File: r1934363.D

Acq: 8 May 2025 4:49 AM

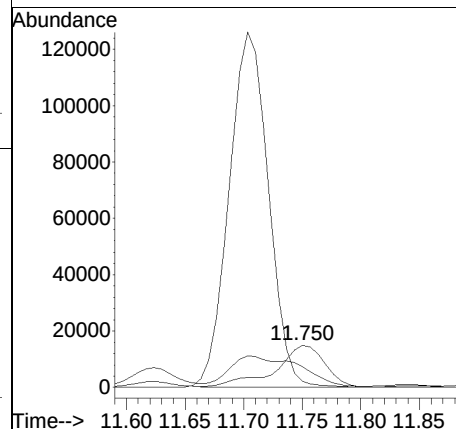
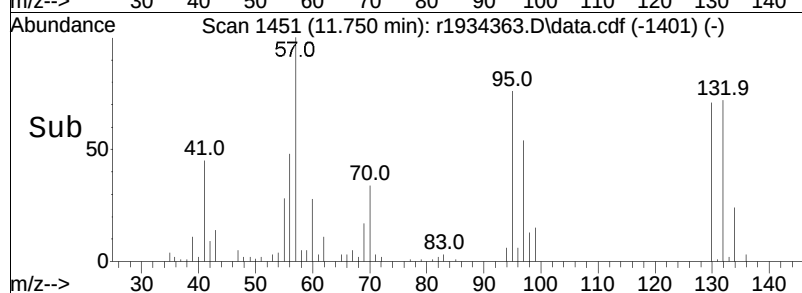
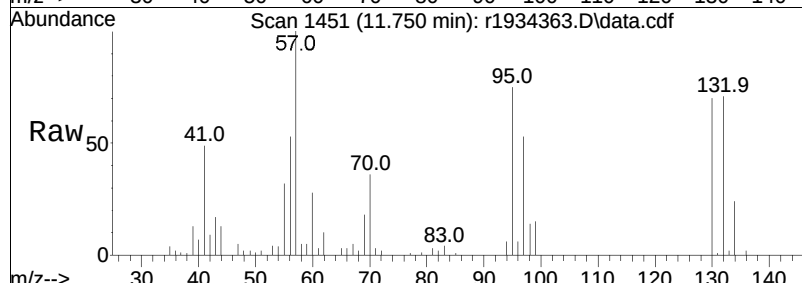
Tgt Ion: 57 Resp: 44529

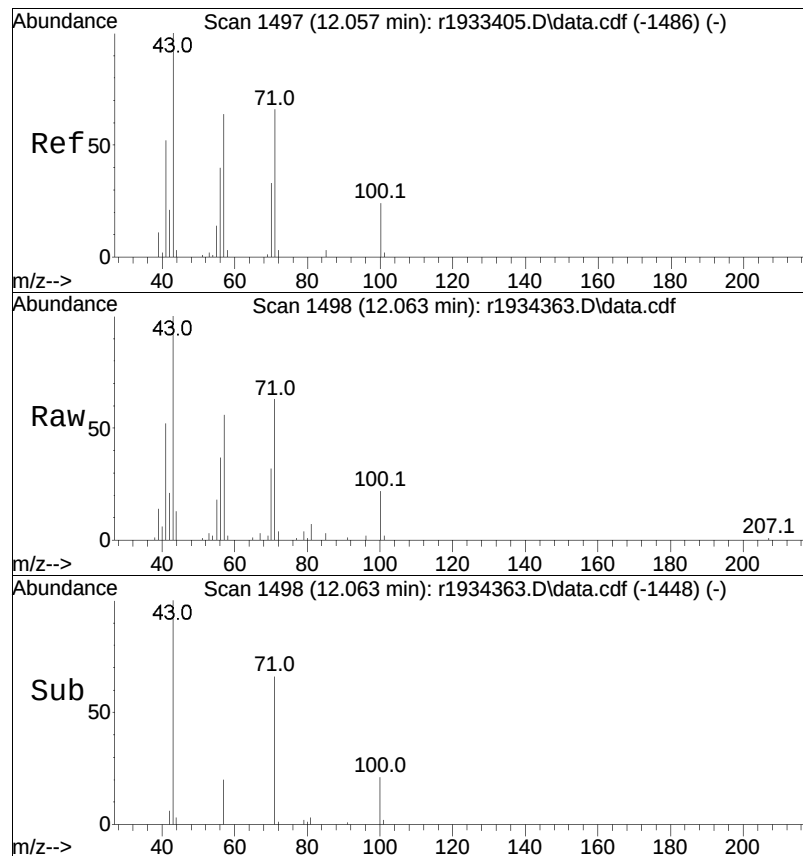
Ion Ratio Lower Upper

57 100

99 14.6 4.7 7.1#

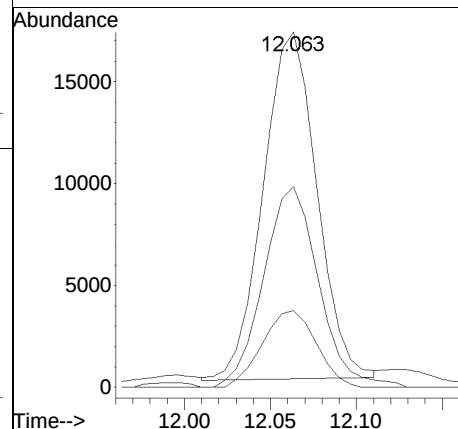
41 49.4 15.1 22.7#

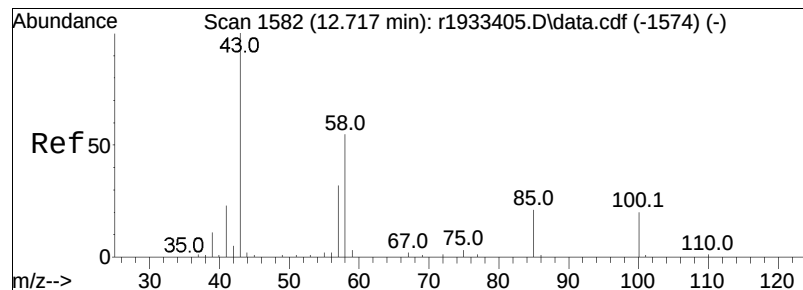




#62
 heptane
 Concen: 0.67 ppbV
 RT: 12.063 min Scan# 1498
 Delta R.T. 0.007 min
 Lab File: r1934363.D
 Acq: 8 May 2025 4:49 AM

Tgt Ion:	43	Resp:	36889
Ion Ratio	Lower	Upper	
43	100		
57	56.5	51.3	76.9
100	21.6	19.3	28.9





#64

4-methyl-2-pentanone

Concen: 0.10 ppbV

RT: 12.733 min Scan# 1584

Delta R.T. 0.017 min

Lab File: r1934363.D

Acq: 8 May 2025 4:49 AM

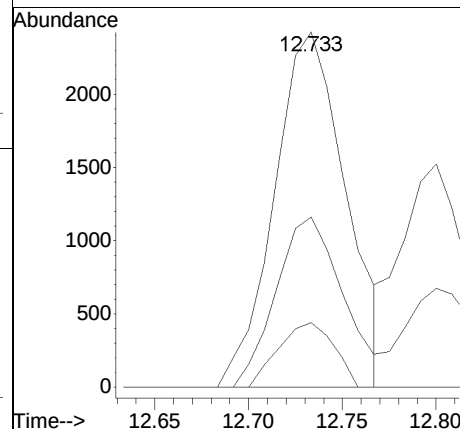
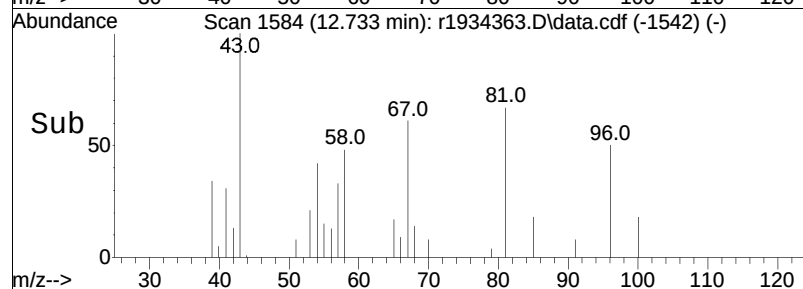
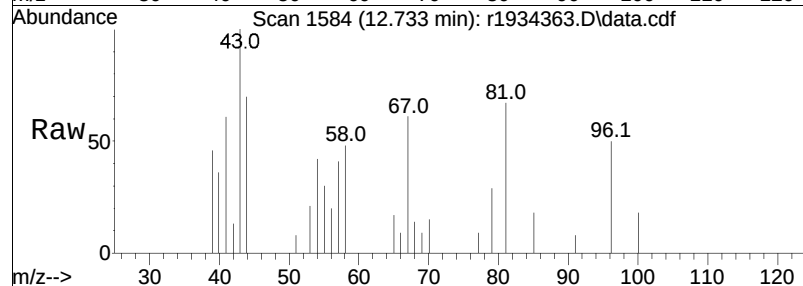
Tgt Ion: 43 Resp: 6428

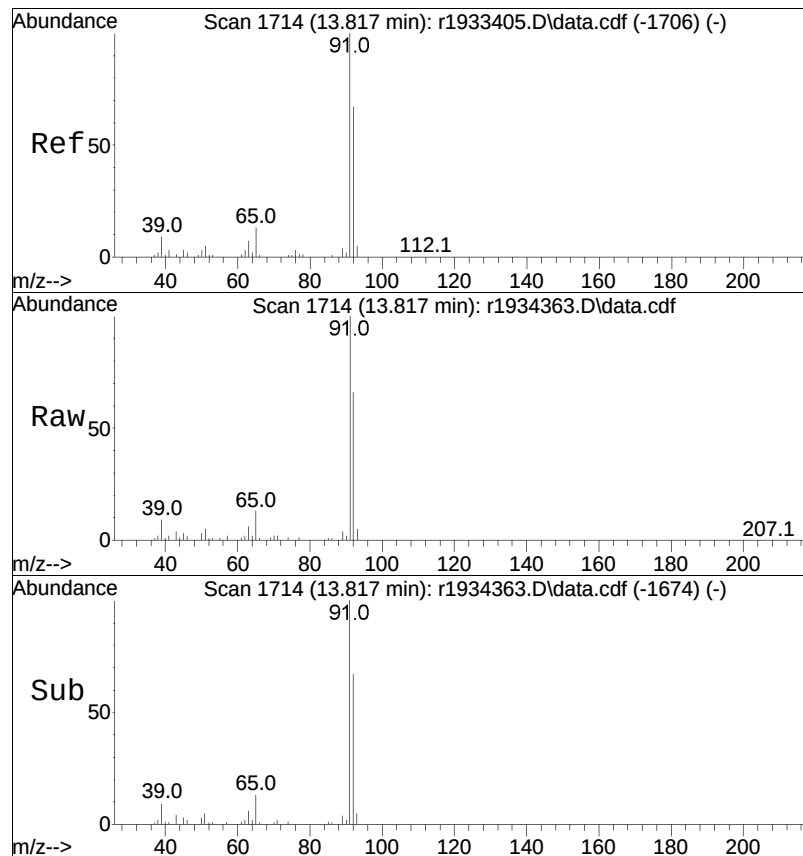
Ion Ratio Lower Upper

43 100

58 48.0 44.1 66.1

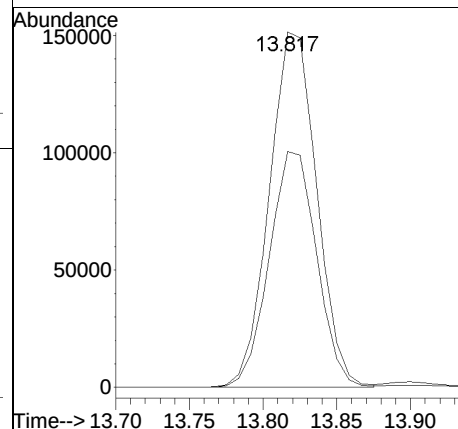
100 18.2 16.3 24.5

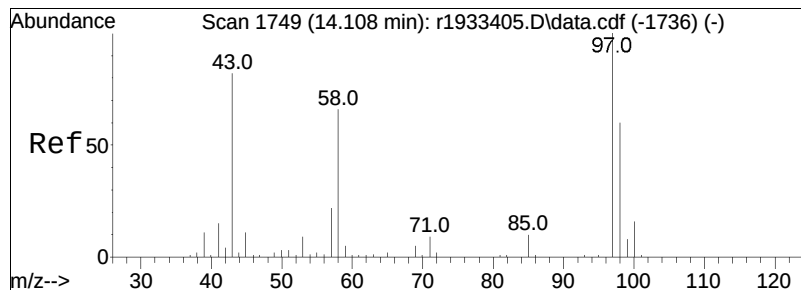




#68
toluene
Concen: 3.49 ppbV
RT: 13.817 min Scan# 1714
Delta R.T. 0.000 min
Lab File: r1934363.D
Acq: 8 May 2025 4:49 AM

Tgt Ion	Ratio	Lower	Upper
91	100		
92	66.4	53.5	80.3





#72

2-hexanone

Concen: 0.18 ppbV

RT: 14.108 min Scan# 1749

Delta R.T. 0.000 min

Lab File: r1934363.D

Acq: 8 May 2025 4:49 AM

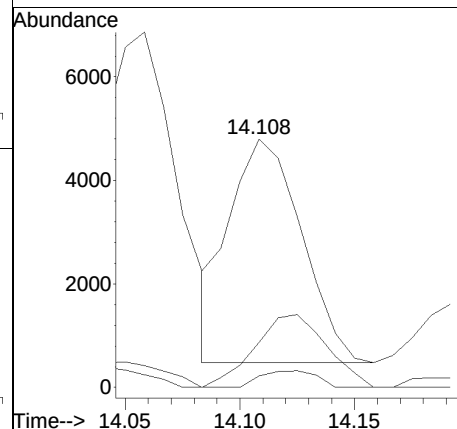
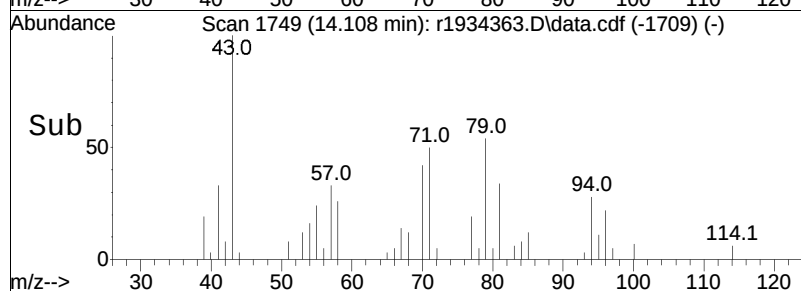
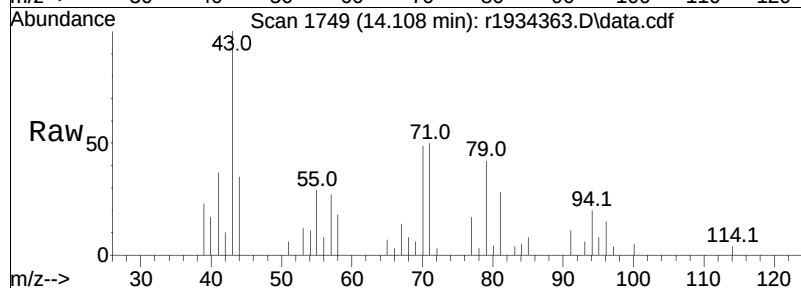
Tgt Ion: 43 Resp: 9501

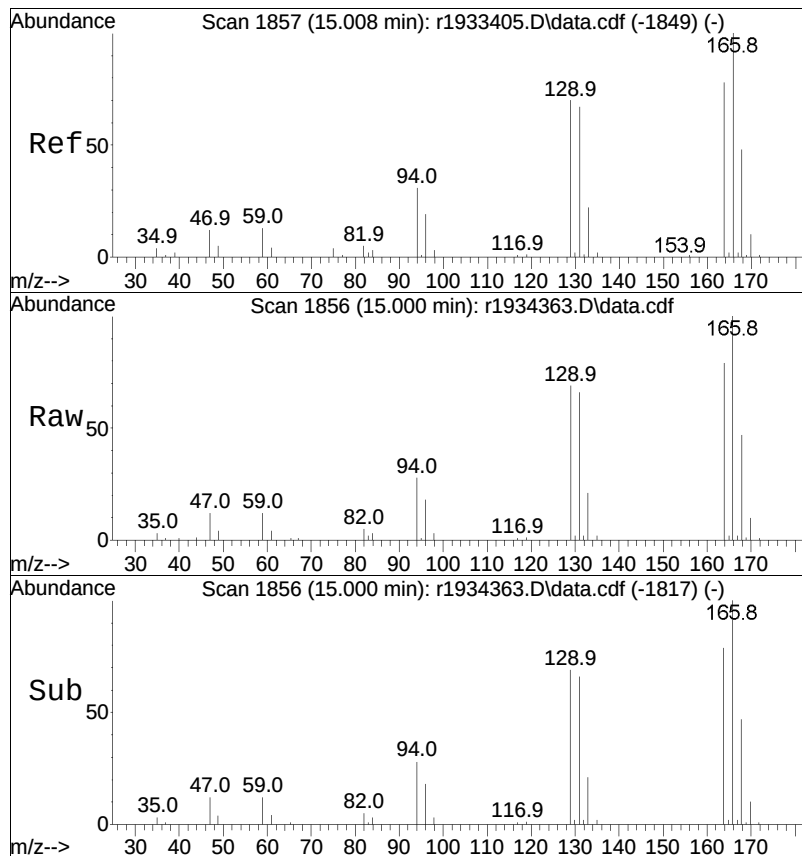
Ion Ratio Lower Upper

43 100

58 18.2 65.2 97.8#

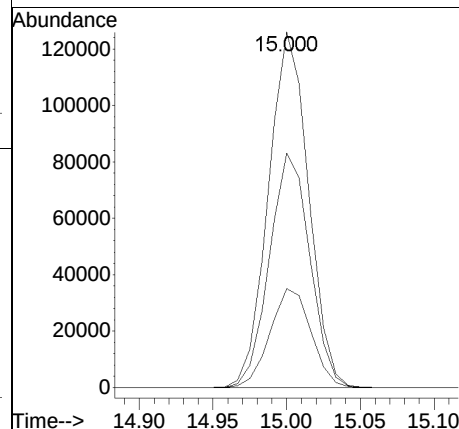
100 4.6 15.7 23.5#

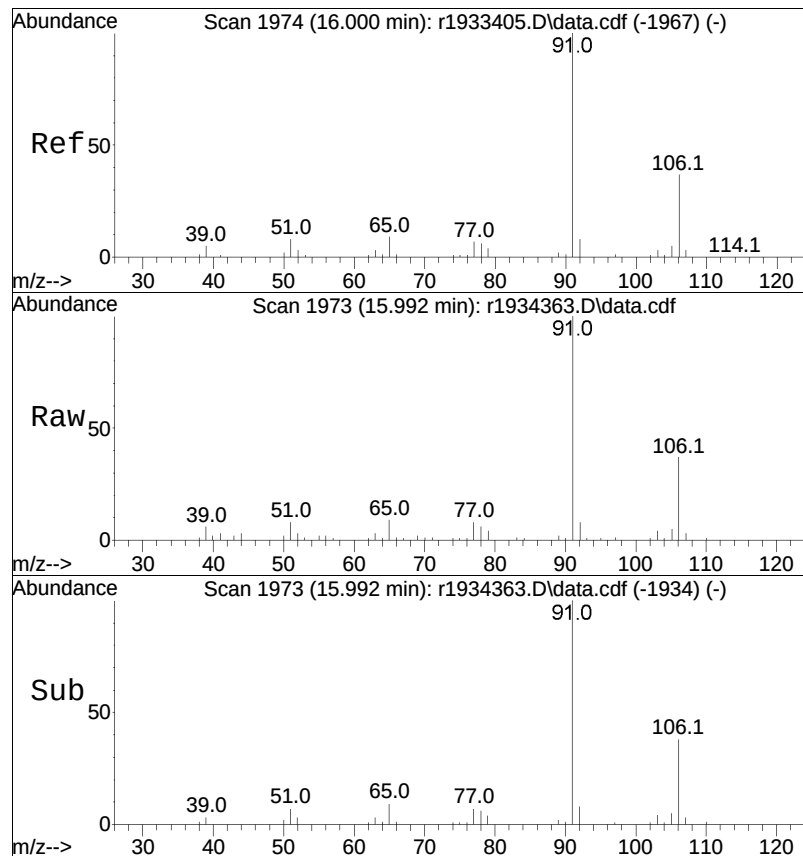




#78
 tetrachloroethene
 Concen: 5.72 ppbV
 RT: 15.000 min Scan# 1856
 Delta R.T. -0.008 min
 Lab File: r1934363.D
 Acq: 8 May 2025 4:49 AM

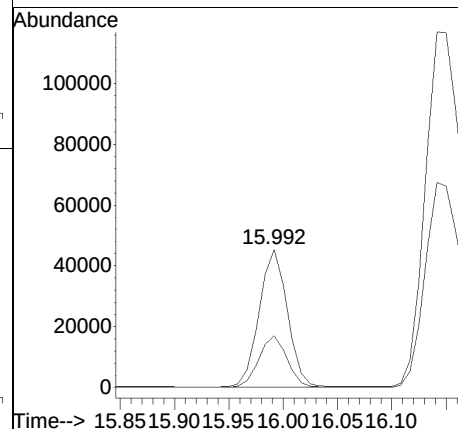
Tgt	Ion:166	Resp:	237956
Ion	Ratio	Lower	Upper
166	100		
131	66.0	53.6	80.4
94	27.8	24.4	36.6

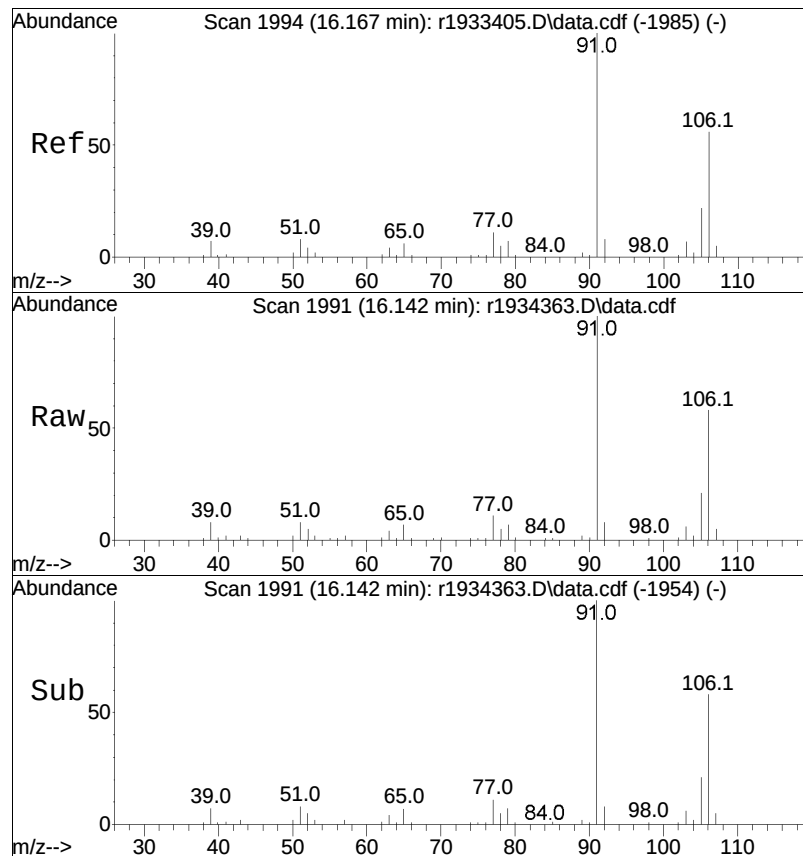




#81
ethylbenzene
Concen: 0.66 ppbV
RT: 15.992 min Scan# 1973
Delta R.T. -0.008 min
Lab File: r1934363.D
Acq: 8 May 2025 4:49 AM

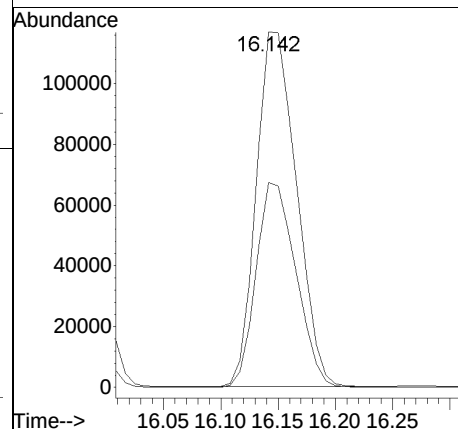
Tgt Ion	Ratio	Lower	Upper
91	100		
106	37.4	29.3	43.9

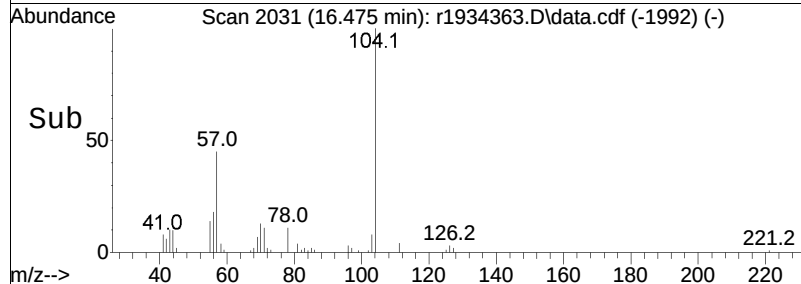
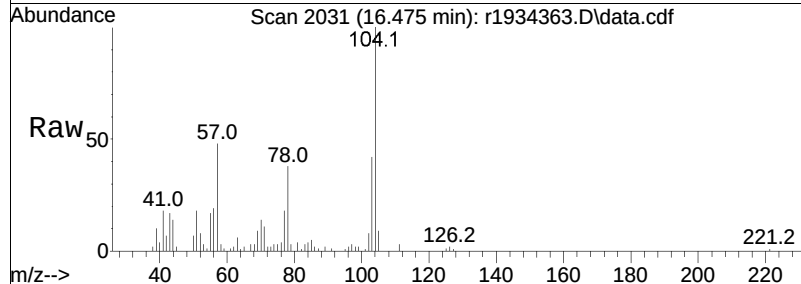
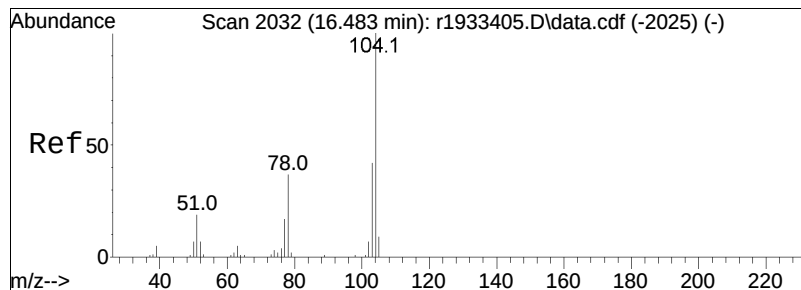




#83
 m+p-xylene
 Concen: 2.90 ppbV
 RT: 16.142 min Scan# 1991
 Delta R.T. -0.025 min
 Lab File: r1934363.D
 Acq: 8 May 2025 4:49 AM

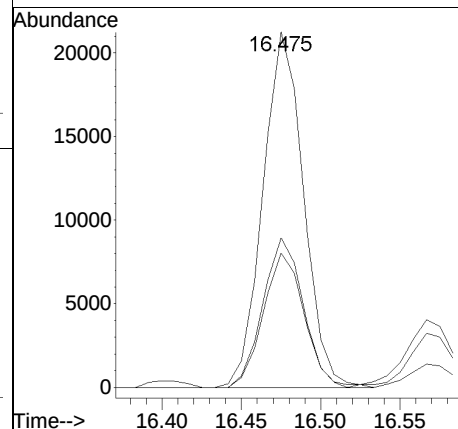
Tgt	Ion	Ratio	Lower	Upper
91	100			
106	57.7	44.6	67.0	

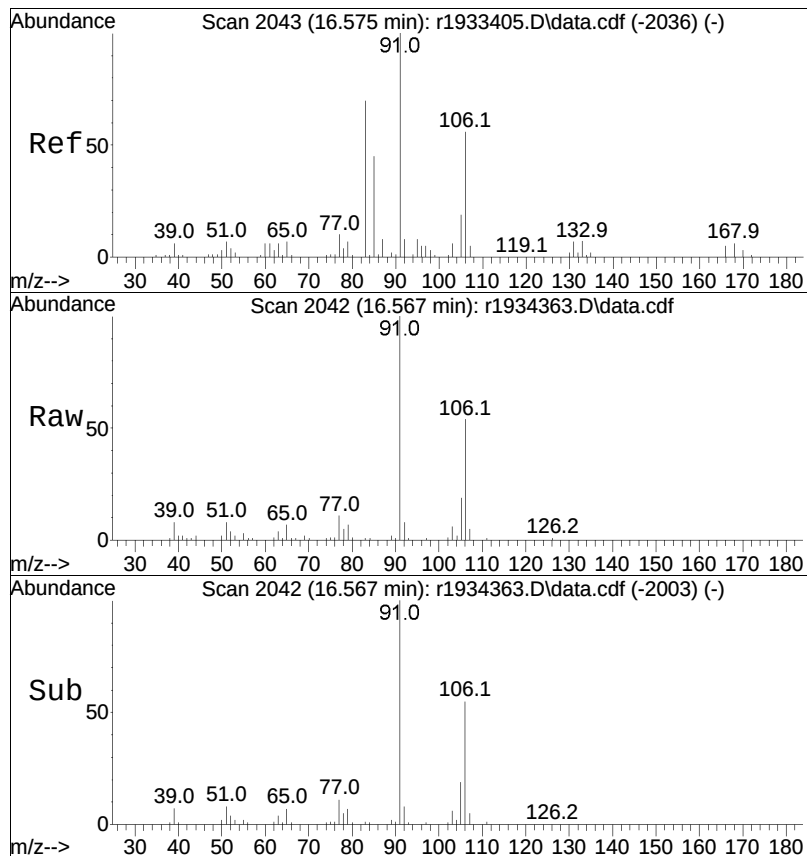




#85
styrene
Concen: 0.46 ppbV
RT: 16.475 min Scan# 2031
Delta R.T. -0.008 min
Lab File: r1934363.D
Acq: 8 May 2025 4:49 AM

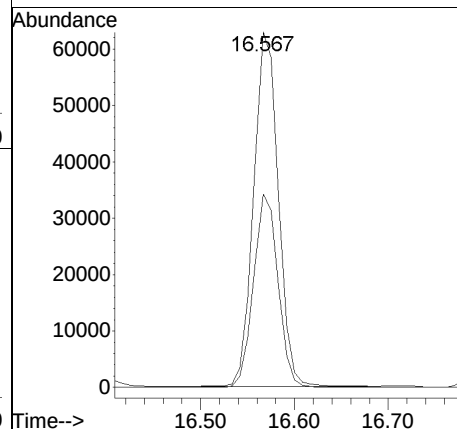
Tgt Ion	Ratio	Lower	Upper
104	100		
103	42.1	33.8	50.6
78	37.8	29.9	44.9

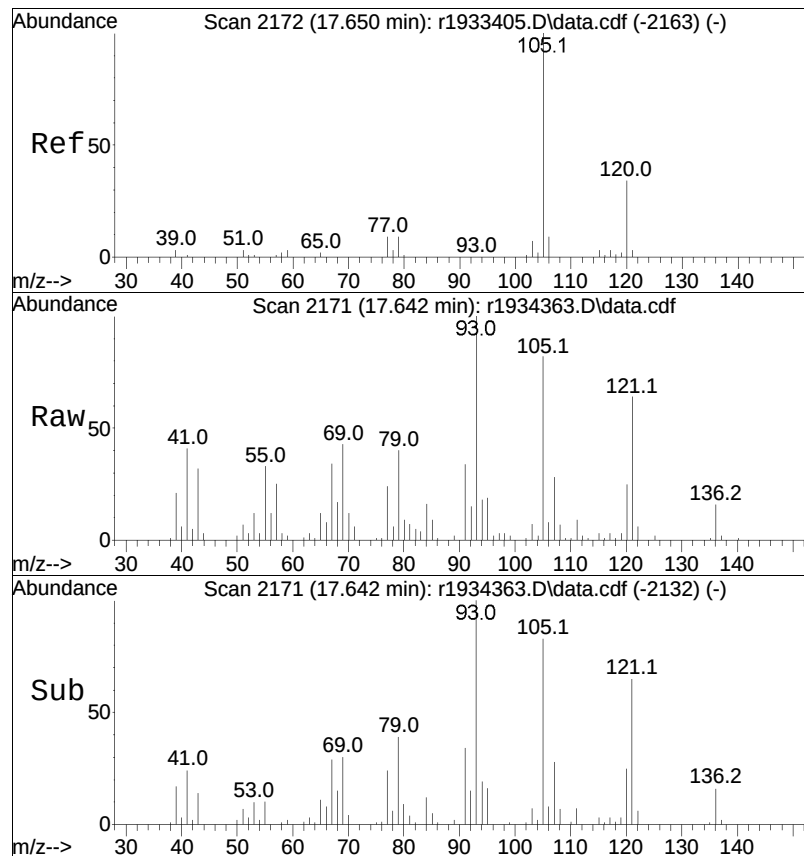




#87
 o-xylene
 Concen: 1.19 ppbV
 RT: 16.567 min Scan# 2042
 Delta R.T. -0.008 min
 Lab File: r1934363.D
 Acq: 8 May 2025 4:49 AM

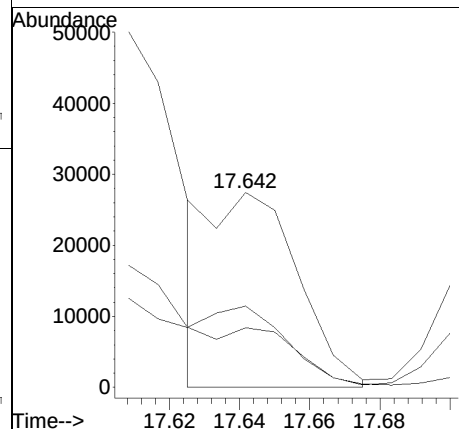
Tgt Ion:	91	Resp:	114378
Ion Ratio	Lower	Upper	
91	100		
106	54.4	44.5	66.7

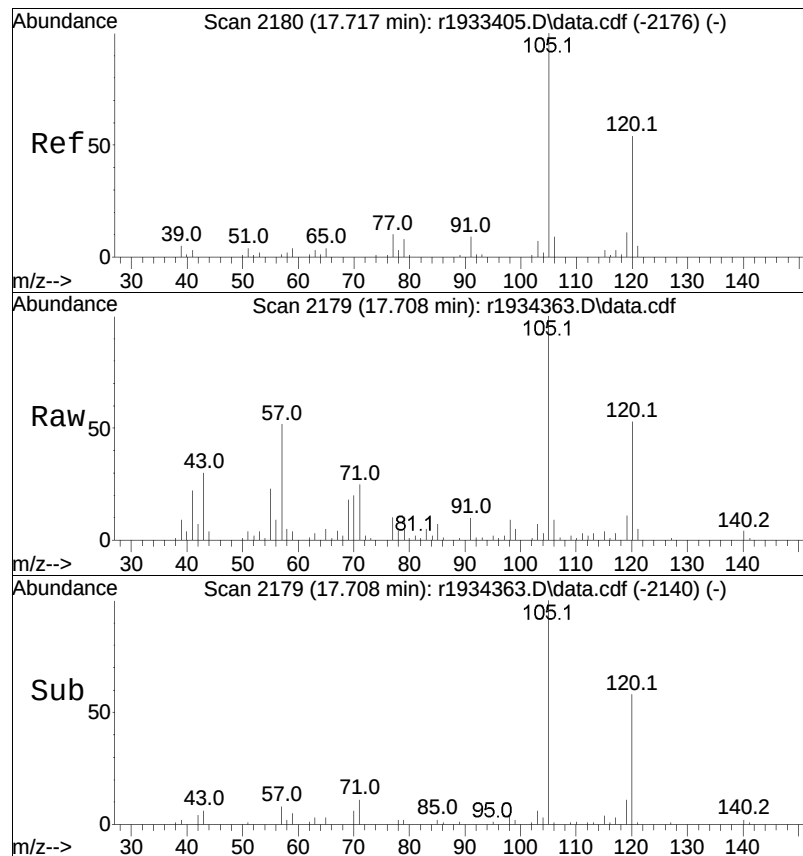




#96
 4-ethyl toluene
 Concen: 0.37 ppbV m
 RT: 17.642 min Scan# 2171
 Delta R.T. -0.008 min
 Lab File: r1934363.D
 Acq: 8 May 2025 4:49 AM

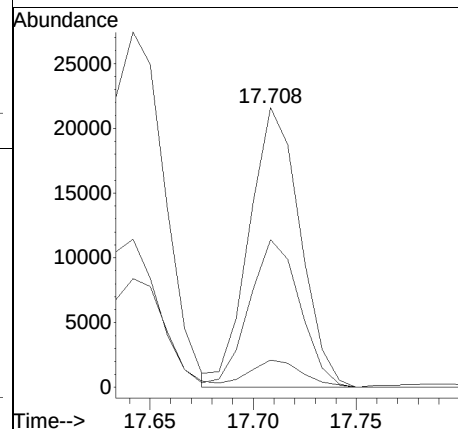
Tgt Ion	Ratio	Lower	Upper
105	100		
120	30.6	27.0	40.6
91	41.7	7.8	11.8#

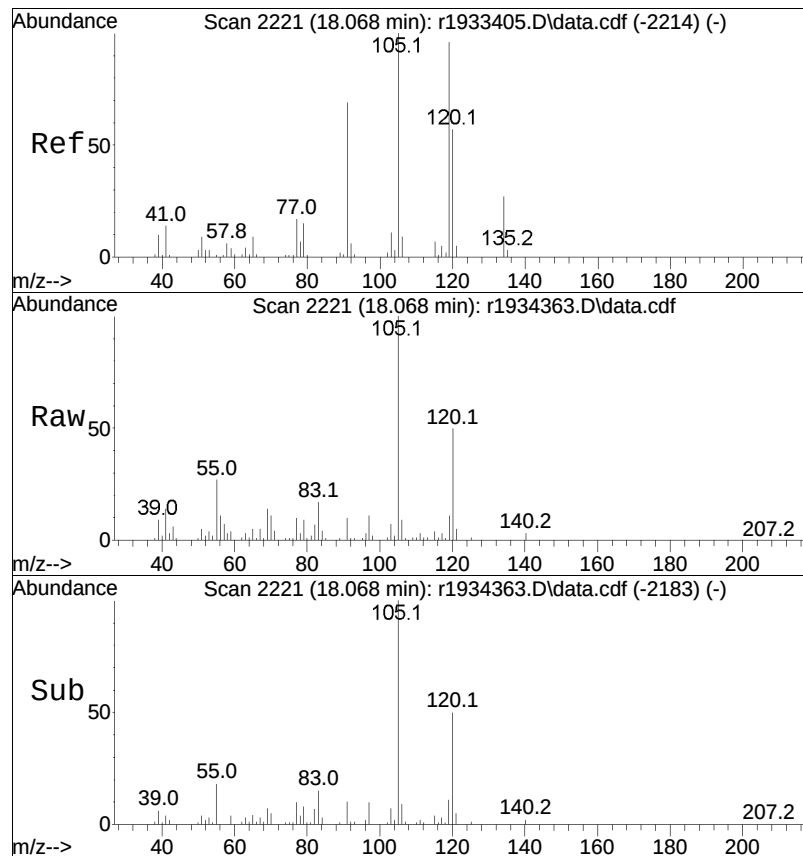




#97
 1,3,5-trimethylbenzene
 Concen: 0.34 ppbV
 RT: 17.708 min Scan# 2179
 Delta R.T. -0.008 min
 Lab File: r1934363.D
 Acq: 8 May 2025 4:49 AM

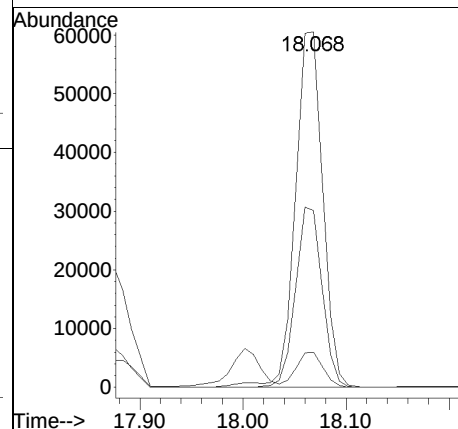
Tgt Ion:	105	Resp:	37180
Ion Ratio	Lower	Upper	
105	100		
120	52.8	42.5	63.7
91	9.8	7.4	11.2

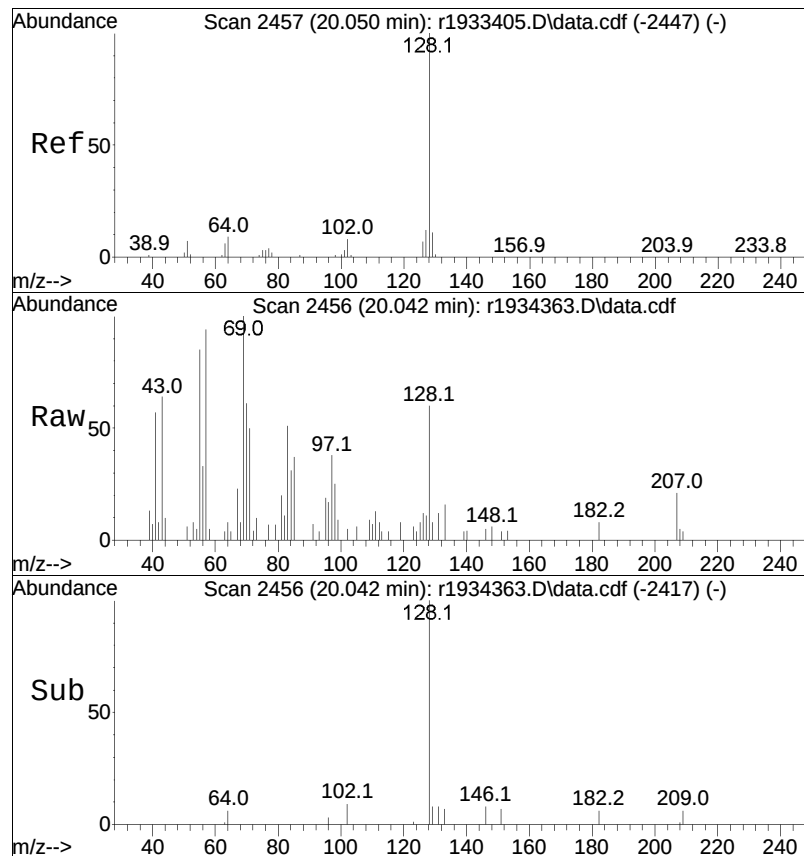




#99
 1,2,4-trimethylbenzene
 Concen: 1.01 ppbV
 RT: 18.068 min Scan# 2221
 Delta R.T. 0.000 min
 Lab File: r1934363.D
 Acq: 8 May 2025 4:49 AM

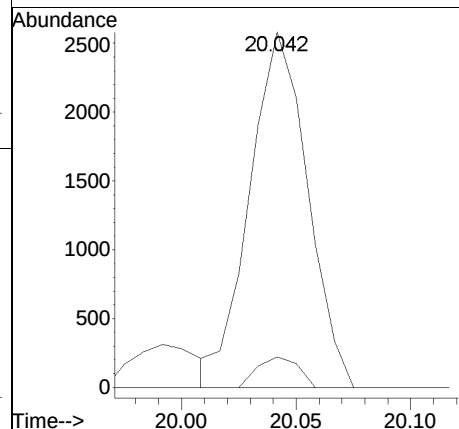
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	112229		
120	49.8		45.8	68.6
91	10.0		55.0	82.6#





#116
 naphthalene
 Concen: 0.04 ppbV
 RT: 20.042 min Scan# 2456
 Delta R.T. -0.008 min
 Lab File: r1934363.D
 Acq: 8 May 2025 4:49 AM

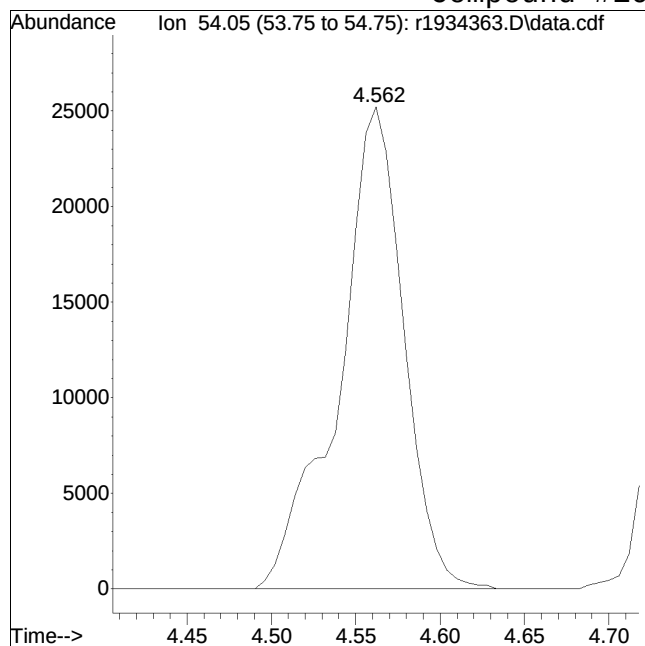
Tgt Ion	Ratio	Lower	Upper
128	100		
102	8.6	6.2	9.2



Manual Integration Report

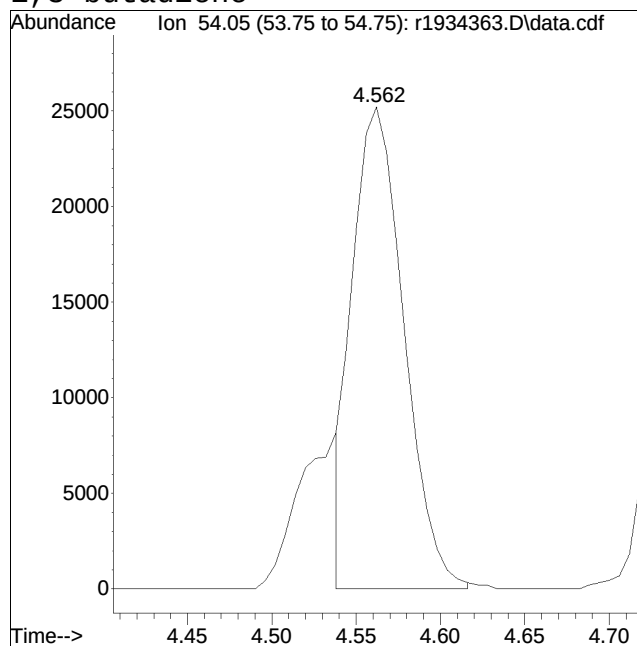
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934363.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 4:49 AM Instrument :
Sample : L2525337-07D,3,125,250 Quant Date : 5/8/2025 6:21 am

Compound #10: 1,3-butadiene



Original Peak Response = 67308

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

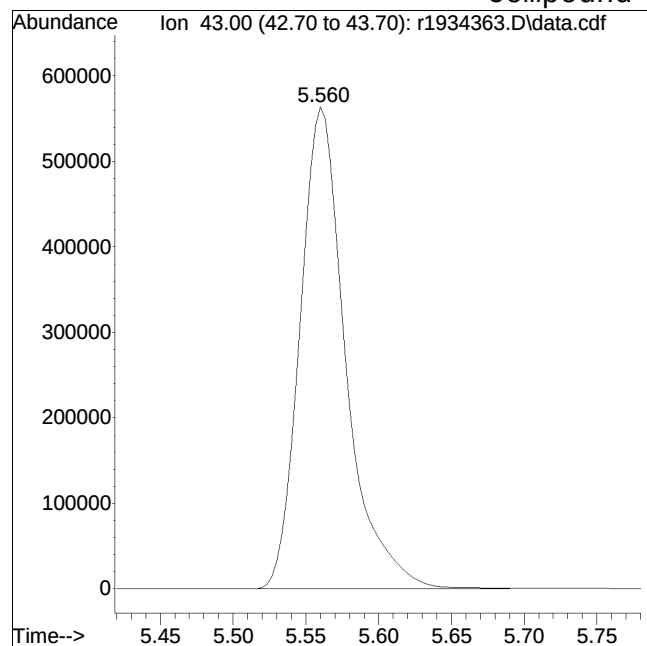


Manual Peak Response = 53574 M6

Manual Integration Report

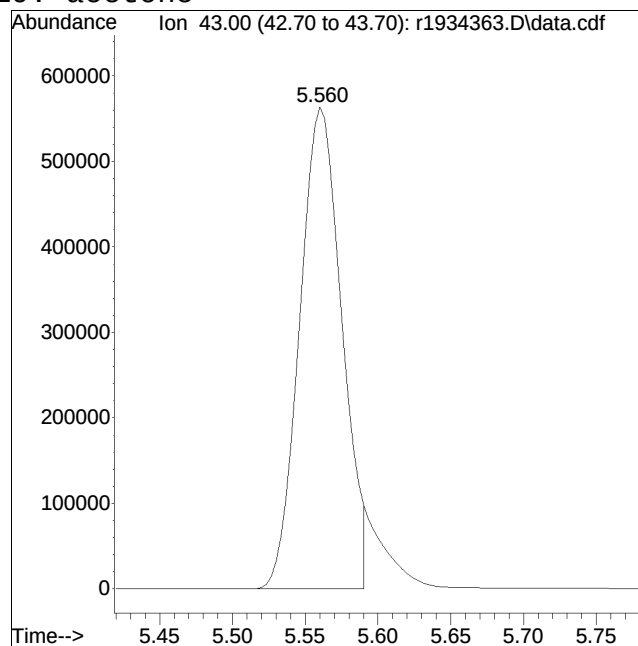
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934363.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 4:49 AM Instrument :
Sample : L2525337-07D,3,125,250 Quant Date : 5/8/2025 6:21 am

Compound #19: acetone



Original Peak Response = 1233212

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

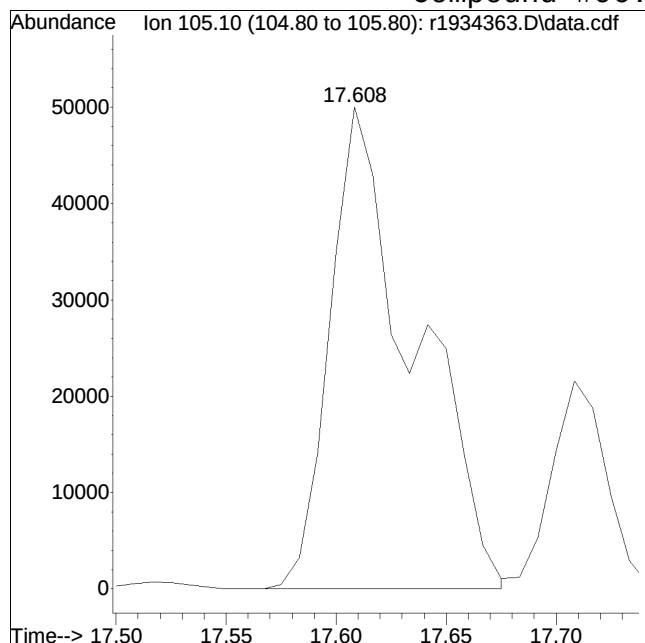


Manual Peak Response = 1137242 M6

Manual Integration Report

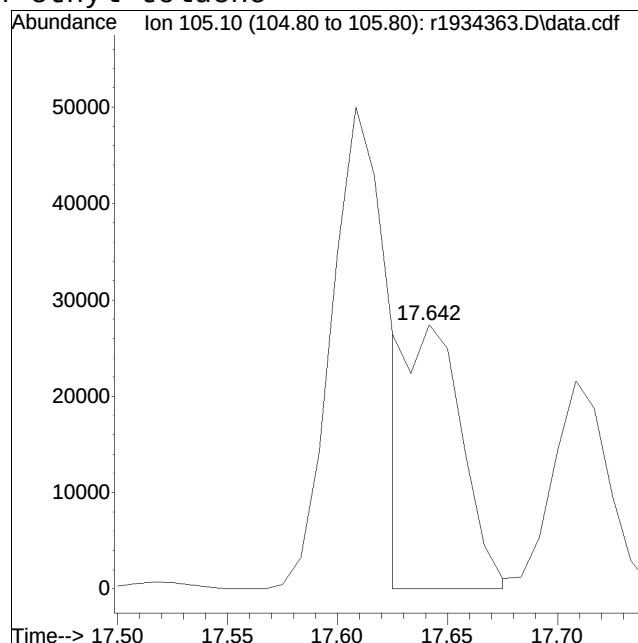
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934363.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 4:49 AM Instrument :
Sample : L2525337-07D,3,125,250 Quant Date : 5/8/2025 6:21 am

Compound #96: 4-ethyl toluene



Original Peak Response = 133238

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 47088 M6

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934364.D
 Acq On : 8 May 2025 5:28 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-08,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:22:14 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

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

Internal Standards						
1) bromochloromethane	8.783	49	331472	10.000	ppbV	0.00
Standard Area = 339843			Recovery =		97.54%	
43) 1,4-difluorobenzene	10.923	114	961667	10.000	ppbV	0.00
Standard Area = 931395			Recovery =		103.25%	
67) chlorobenzene-D5	15.600	54	131579	10.000	ppbV	0.00
Standard Area = 169143			Recovery =		77.79%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	4.082	85	17702	0.402	ppbV	100
6) chloromethane	4.226	50	8262	0.493	ppbV	98
7) Freon-114	0.000		0	N.D.		
9) vinyl chloride	0.000		0	N.D.		
10) 1,3-butadiene	4.550	54	5842	0.309	ppbV	91
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	5.084	31	165880	8.370	ppbV #	67
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.540	43	705954M6	20.260	ppbV	
21) trichlorofluoromethane	5.727	101	8152	0.192	ppbV	100
22) isopropyl alcohol	5.800	45	103135	2.564	ppbV	100
26) 1,1-dichloroethene	6.314		0	N.D.		
27) tertiary butyl alcohol	6.416	59	25815	0.411	ppbV #	85
28) methylene chloride	6.500	49	4441M6	0.168	ppbV	
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	6.782	76	5738	0.079	ppbV #	32
31) Freon 113	6.782	101	3366	0.069	ppbV	96
32) trans-1,2-dichloroethene	7.492		0	N.D.		
33) 1,1-dichloroethane	7.708		0	N.D.		
34) MTBE	0.000		0	N.D.	d	
36) 2-butanone	8.125	43	52379	0.940	ppbV	99
37) cis-1,2-dichloroethene	0.000		0	N.D.		
38) Ethyl Acetate	8.858	61	13543	1.187	ppbV #	35
39) chloroform	8.925	83	2114	0.049	ppbV #	95
40) Tetrahydrofuran	9.358	42	5378	0.170	ppbV	97
42) 1,2-dichloroethane	9.725		0	N.D.		
44) hexane	8.850	57	21499	0.367	ppbV #	35

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934364.D
 Acq On : 8 May 2025 5:28 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-08,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:22:14 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

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

48) 1,1,1-trichloroethane	0.000		0	N.D.		
50) benzene	10.510	78	18155	0.215	ppbV	100
52) carbon tetrachloride	10.677	117	2064	0.065	ppbV	98
53) cyclohexane	10.817	56	4059	0.072	ppbV #	91
56) 1,2-dichloropropane	0.000		0	N.D.		
57) bromodichloromethane	11.650		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
59) trichloroethene	11.697	130	3838	0.104	ppbV	98
60) 2,2,4-trimethylpentane	11.750	57	13896	0.083	ppbV #	74
62) heptane	12.057	43	6419	0.122	ppbV	93
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.733	43	3468	0.057	ppbV	88
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	13.817	91	88021	0.943	ppbV	99
72) 2-hexanone	14.125	43	2745	0.055	ppbV #	75
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.000	166	33831	0.844	ppbV	99
80) chlorobenzene	15.658		0	N.D.		
81) ethylbenzene	15.992	91	25169	0.212	ppbV	99
83) m+p-xylene	16.150	91	79996	0.845	ppbV	100
84) bromoform	0.000		0	N.D.		
85) styrene	16.475	104	5622	0.071	ppbV	95
86) 1,1,2,2-tetrachloroethane	16.600		0	N.D.		
87) o-xylene	16.567	91	25684	0.278	ppbV	97
96) 4-ethyl toluene	17.642	105	5983M6	0.049	ppbV	
97) 1,3,5-trimethylbenzene	17.708	105	5343	0.050	ppbV #	97
99) 1,2,4-trimethylbenzene	18.060	105	27042	0.253	ppbV #	57
101) Benzyl Chloride	18.185		0	N.D.		
102) 1,3-dichlorobenzene	0.000		0	N.D.	d	
103) 1,4-dichlorobenzene	18.252	146	1977	0.031	ppbV	96
107) 1,2-dichlorobenzene	18.543		0	N.D.		
115) 1,2,4-trichlorobenzene	19.925		0	N.D.		
116) naphthalene	20.033	128	3135	0.030	ppbV #	94
119) hexachlorobutadiene	0.000		0	N.D.		

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934364.D
 Acq On : 8 May 2025 5:28 AM
 Operator : AIRLAB19:TPH
 Sample : L2525337-08,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:22:14 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

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

Sub List : T015-NY+Naphthalene - .\2025\05\0507T\r1934340.D

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\

Data File : r1934364.D

Acq On : 8 May 2025 5:28 AM

Operator : AIRLAB19:TPH

Sample : L2525337-08,3,250,250

Misc : WG2063684,ICAL22124

ALS Vial : 0 Sample Multiplier: 1

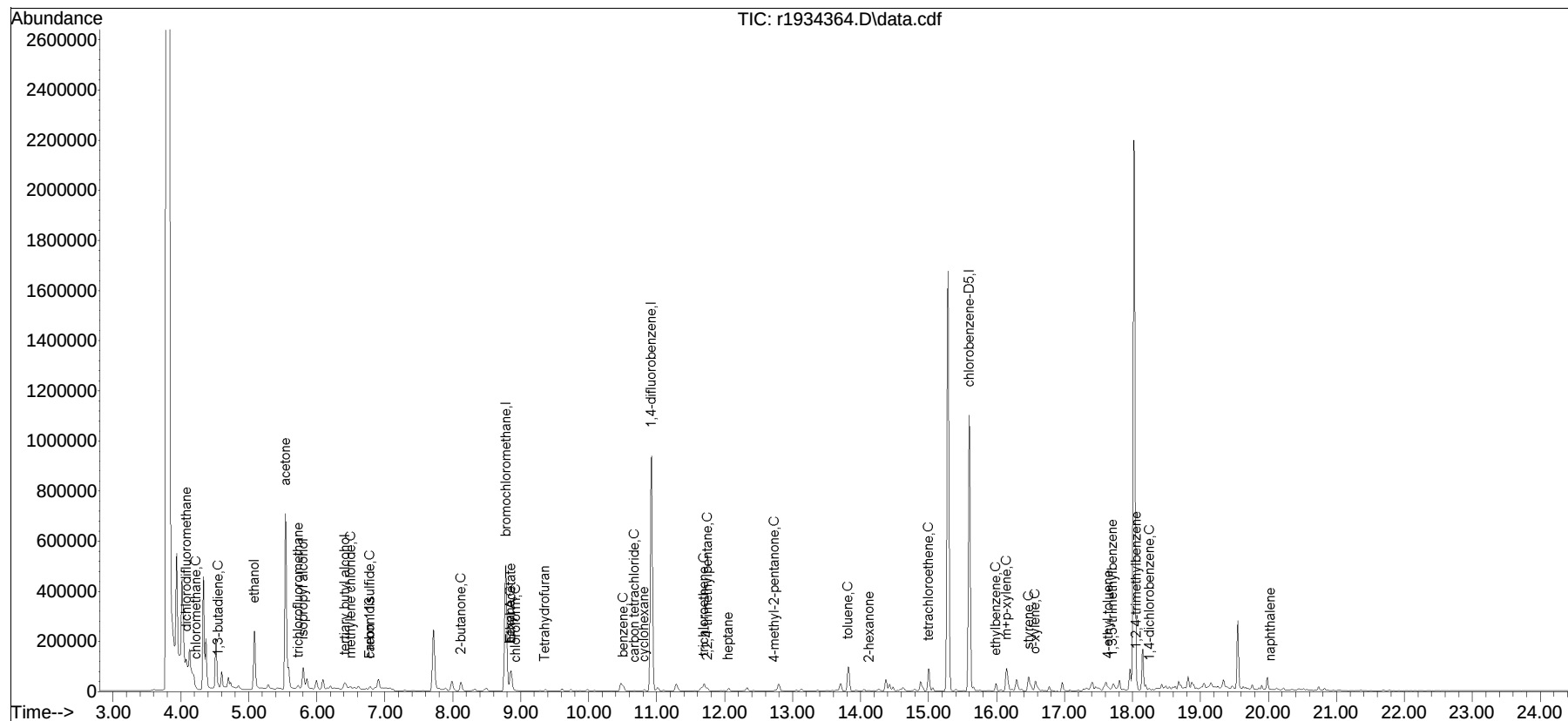
Quant Time: May 08 06:22:14 2025

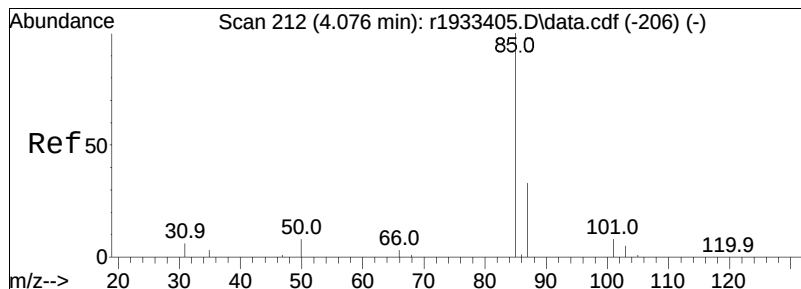
Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M

Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis

QLast Update : Sun Mar 30 07:46:23 2025

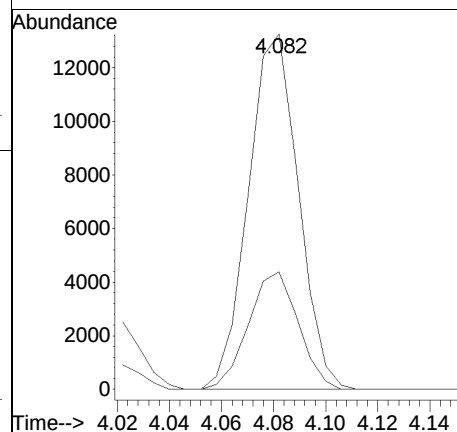
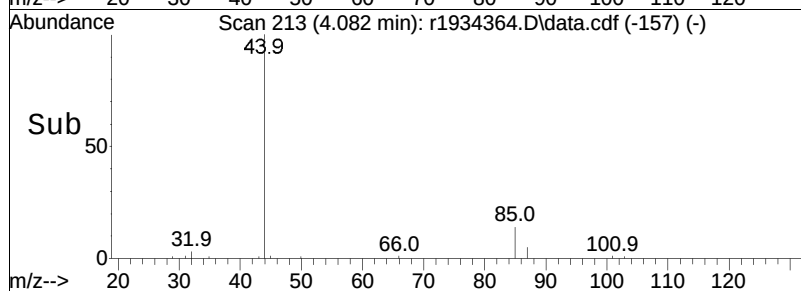
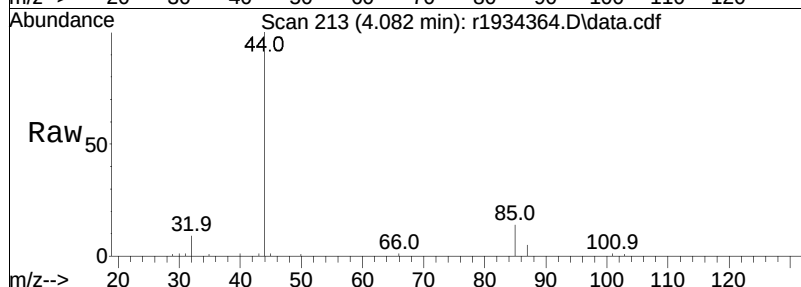
Response via : Initial Calibration

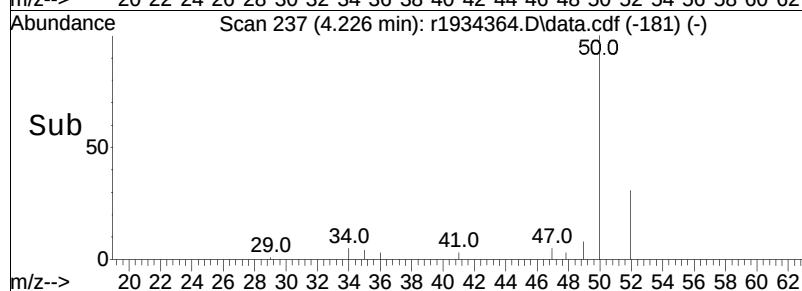
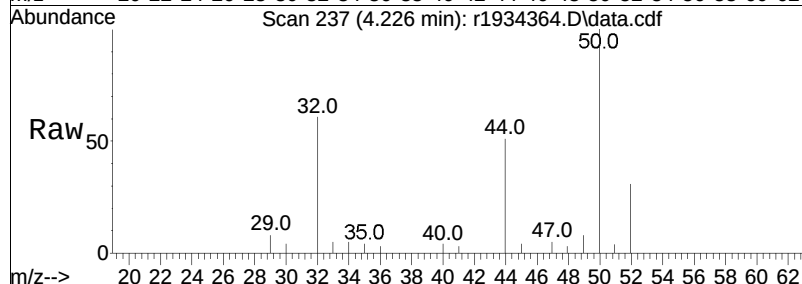
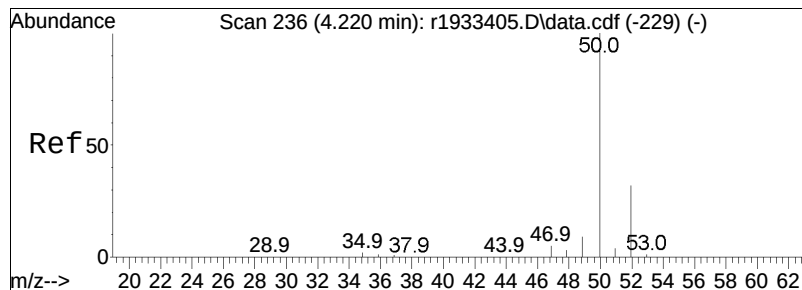




#5
 dichlorodifluoromethane
 Concen: 0.40 ppbV
 RT: 4.082 min Scan# 213
 Delta R.T. 0.006 min
 Lab File: r1934364.D
 Acq: 8 May 2025 5:28 AM

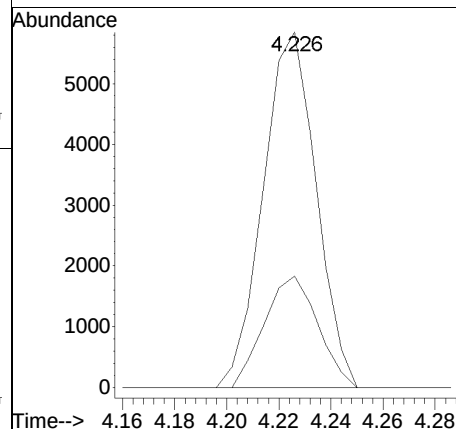
Tgt Ion: 85 Resp: 17702
 Ion Ratio Lower Upper
 85 100
 87 33.1 26.2 39.4

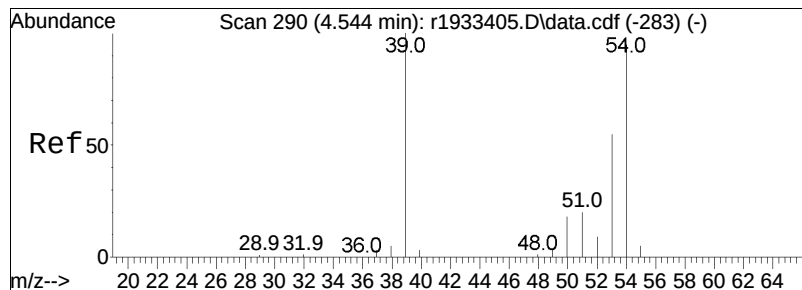




#6
 chloromethane
 Concen: 0.49 ppbV
 RT: 4.226 min Scan# 237
 Delta R.T. 0.006 min
 Lab File: r1934364.D
 Acq: 8 May 2025 5:28 AM

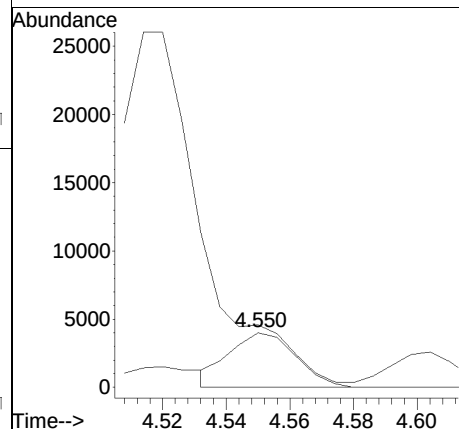
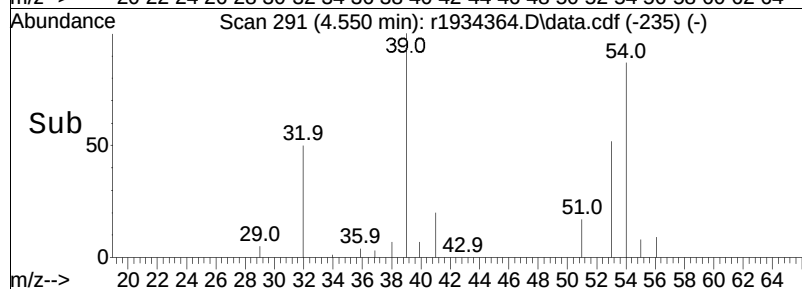
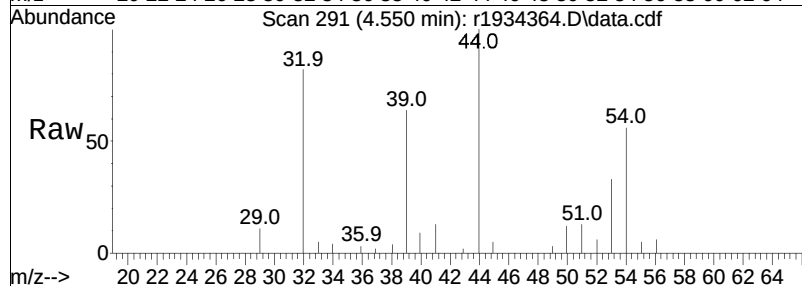
Tgt	Ion	Ratio	Lower	Upper
50	100			
52	31.3		25.9	38.9

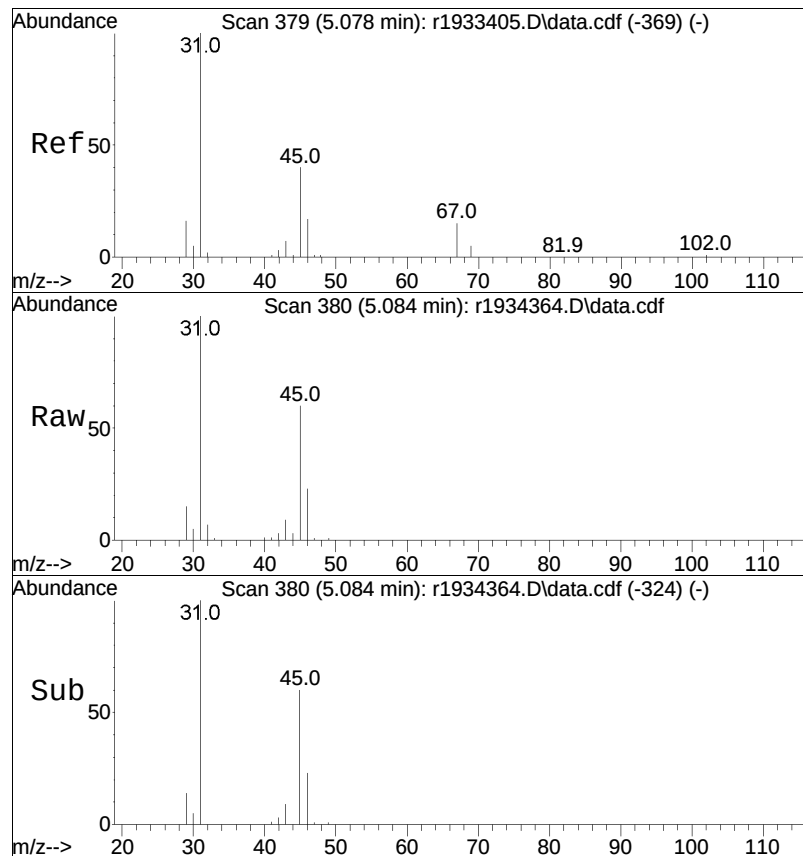




#10
 1,3-butadiene
 Concen: 0.31 ppbV
 RT: 4.550 min Scan# 291
 Delta R.T. 0.006 min
 Lab File: r1934364.D
 Acq: 8 May 2025 5:28 AM

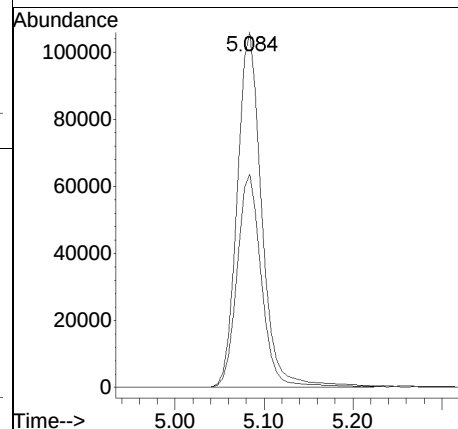
Tgt Ion	Ratio	Lower	Upper
54	100		
39	114.4	84.2	126.4

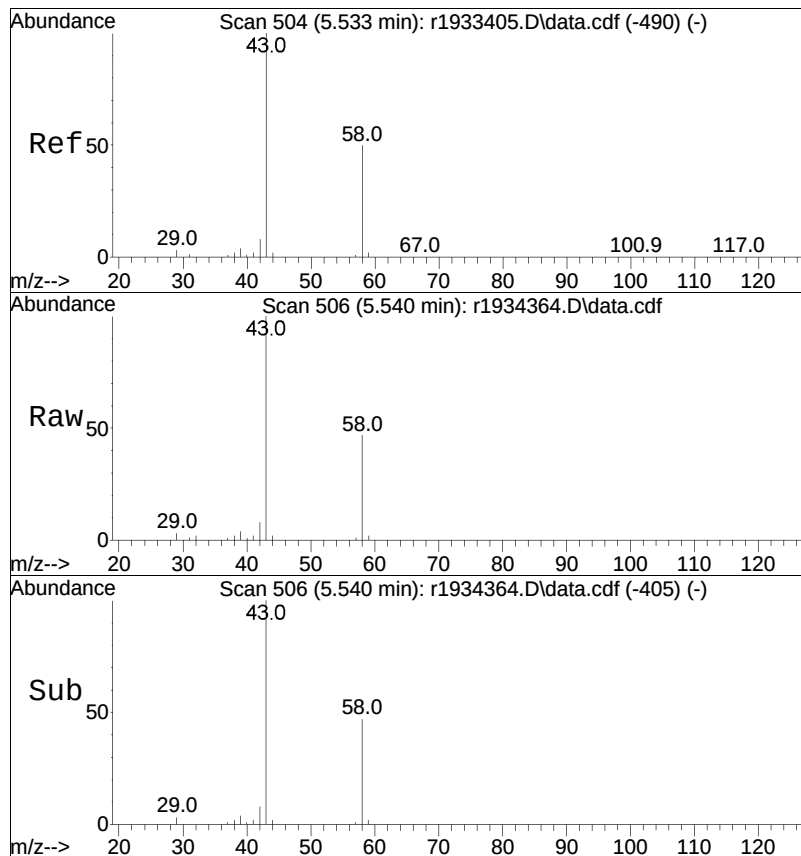




#15
 ethanol
 Concen: 8.37 ppbV
 RT: 5.084 min Scan# 380
 Delta R.T. 0.006 min
 Lab File: r1934364.D
 Acq: 8 May 2025 5:28 AM

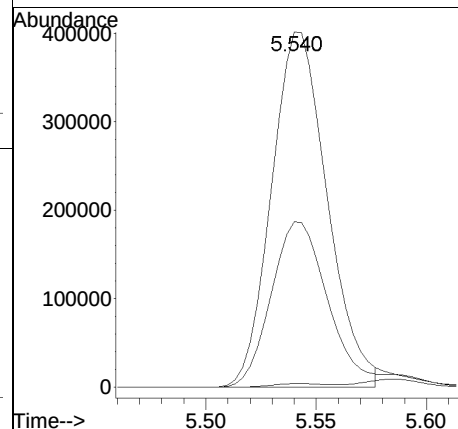
Tgt Ion	Ratio	Lower	Upper
31	100		
45	60.0	31.8	47.8#

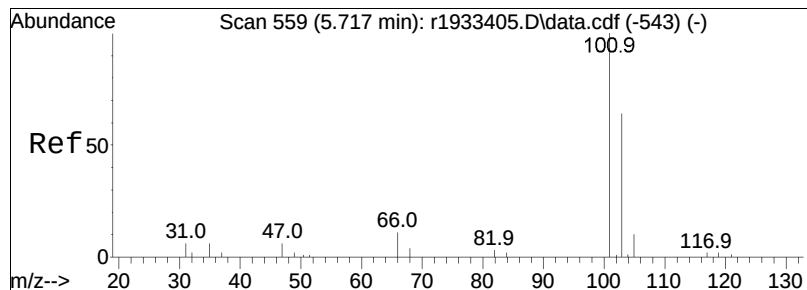




#19
acetone
Concen: 20.26 ppbV m
RT: 5.540 min Scan# 506
Delta R.T. 0.007 min
Lab File: r1934364.D
Acq: 8 May 2025 5:28 AM

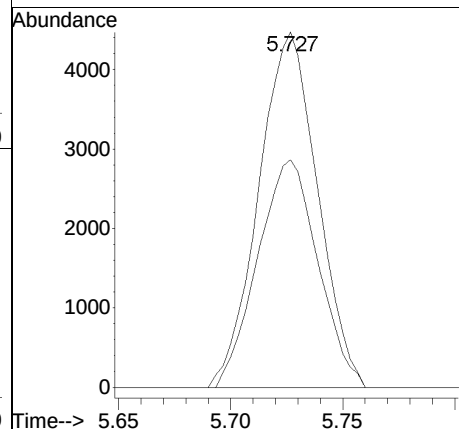
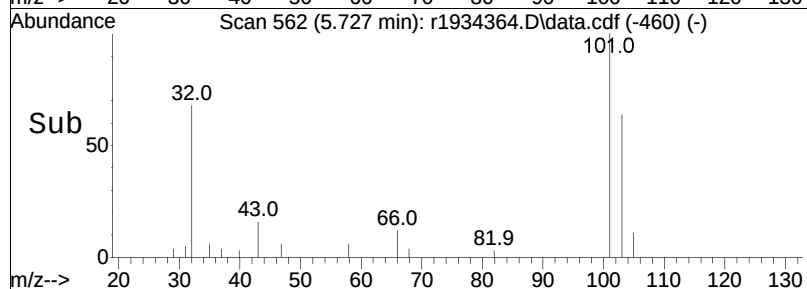
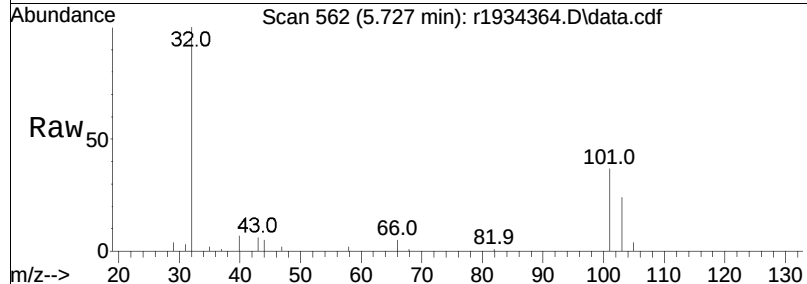
Tgt Ion	Ratio	Lower	Upper
43	100		
58	46.6	40.4	60.6
57	1.1	1.0	1.4

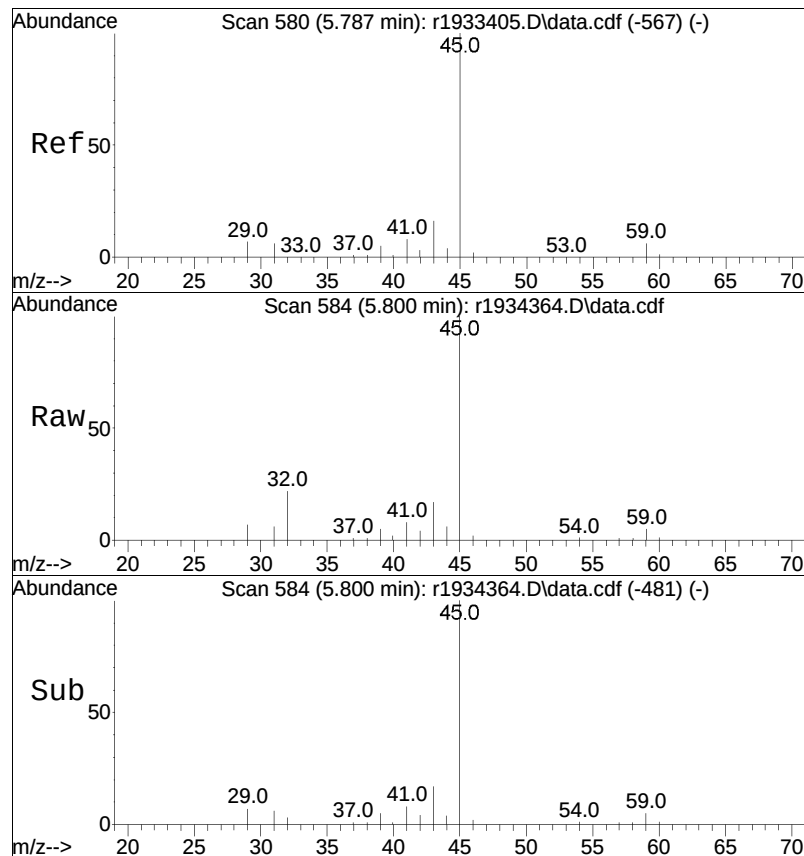




#21
trichlorofluoromethane
Concen: 0.19 ppbV
RT: 5.727 min Scan# 562
Delta R.T. 0.010 min
Lab File: r1934364.D
Acq: 8 May 2025 5:28 AM

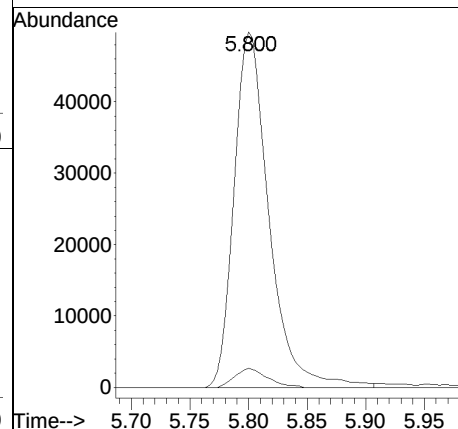
Tgt Ion:101 Resp: 8152
Ion Ratio Lower Upper
101 100
103 64.1 51.0 76.4

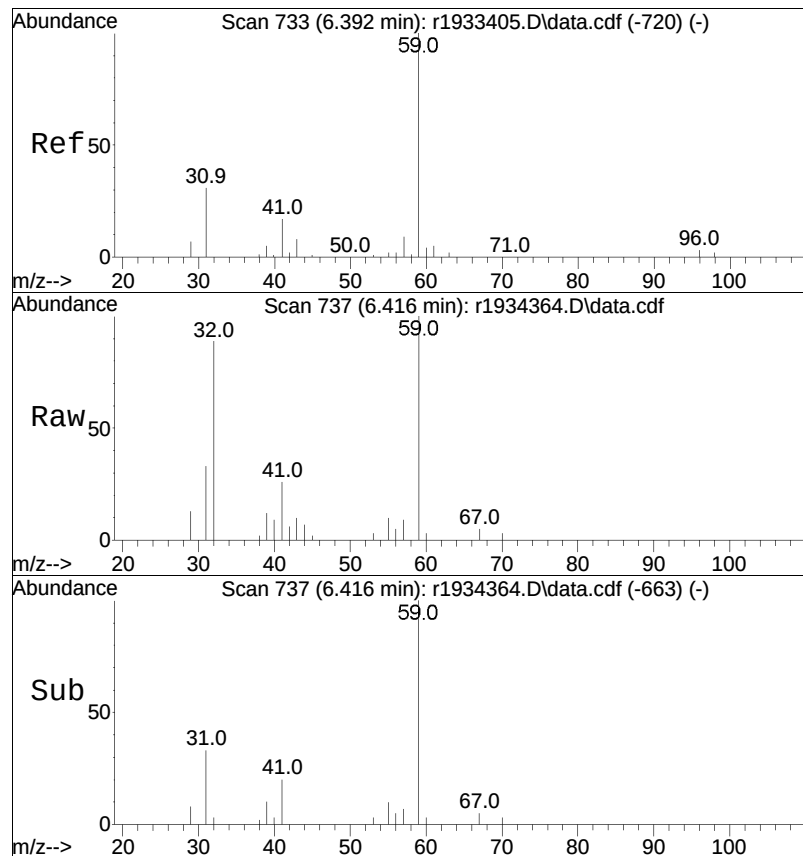




#22
isopropyl alcohol
Concen: 2.56 ppbV
RT: 5.800 min Scan# 584
Delta R.T. 0.013 min
Lab File: r1934364.D
Acq: 8 May 2025 5:28 AM

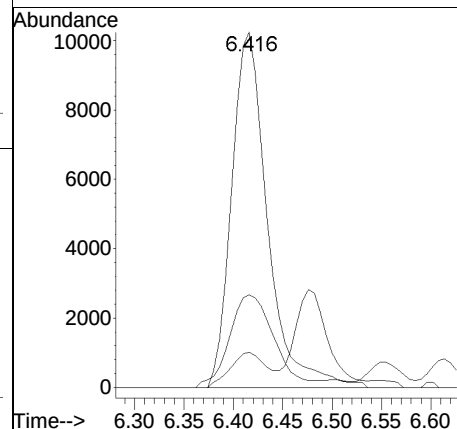
Tgt Ion	Ratio	Lower	Upper
45	100		
59	5.4	4.4	6.6

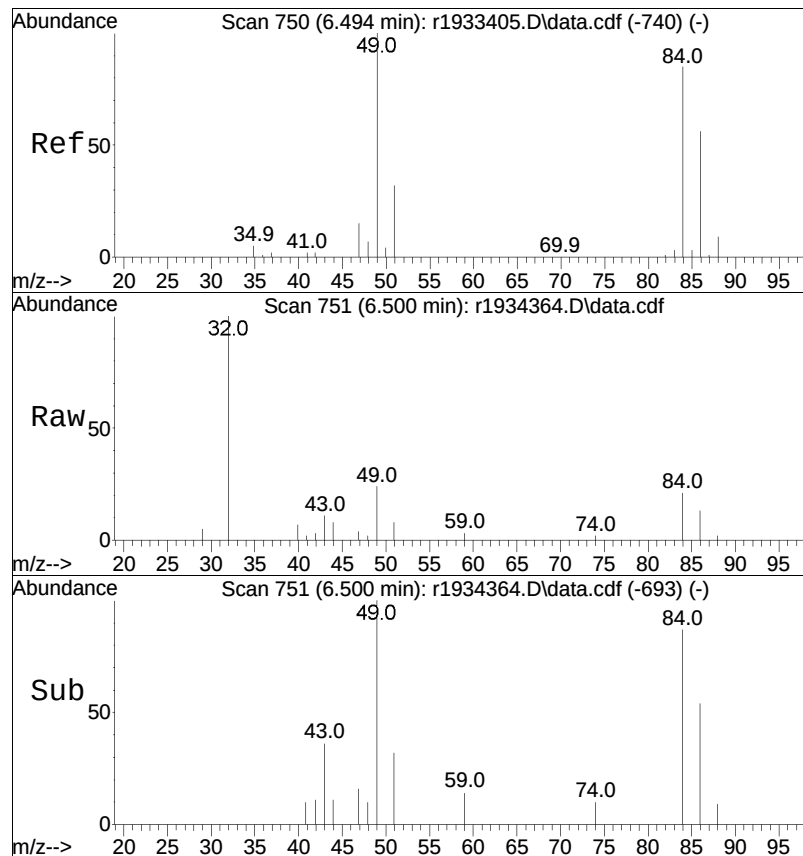




#27
 tertiary butyl alcohol
 Concen: 0.41 ppbV
 RT: 6.416 min Scan# 737
 Delta R.T. 0.024 min
 Lab File: r1934364.D
 Acq: 8 May 2025 5:28 AM

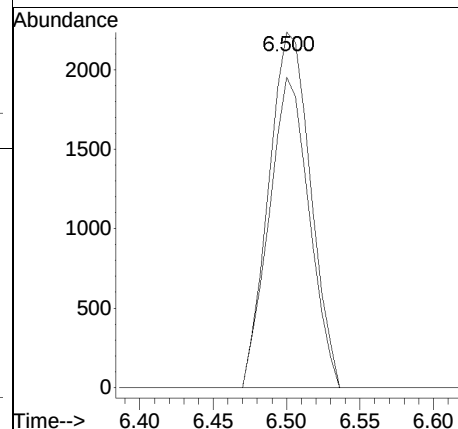
Tgt Ion	Ratio	Lower	Upper
59	100		
41	26.1	14.0	21.0#
43	9.9	6.3	9.5#

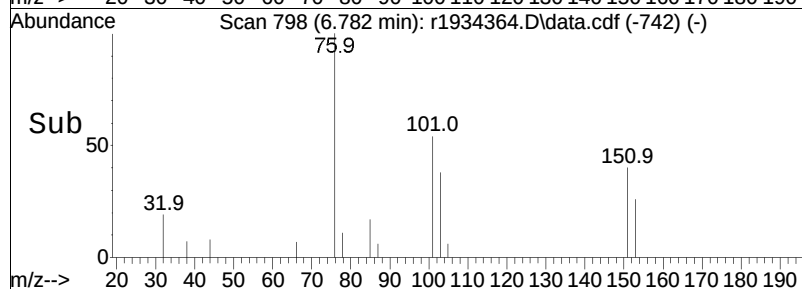
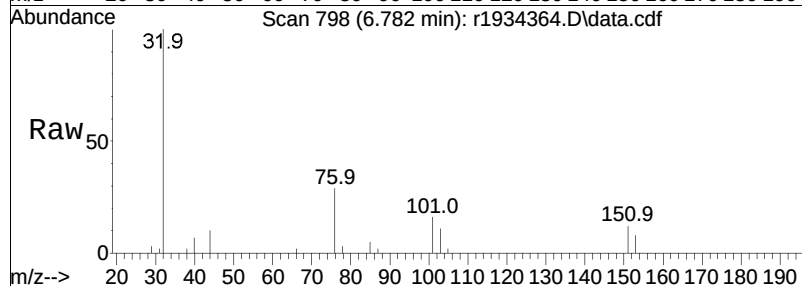
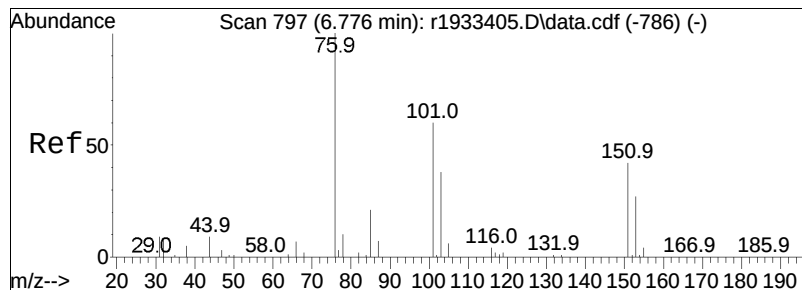




#28
 methylene chloride
 Concen: 0.17 ppbV m
 RT: 6.500 min Scan# 751
 Delta R.T. 0.006 min
 Lab File: r1934364.D
 Acq: 8 May 2025 5:28 AM

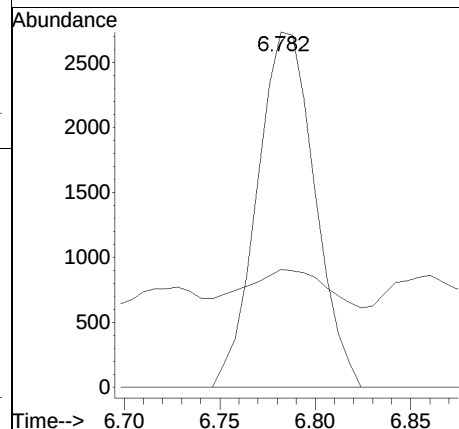
Tgt Ion:	49	84	Ratio	100	87.3	Resp:	4441	Lower	Upper
								68.4	102.6

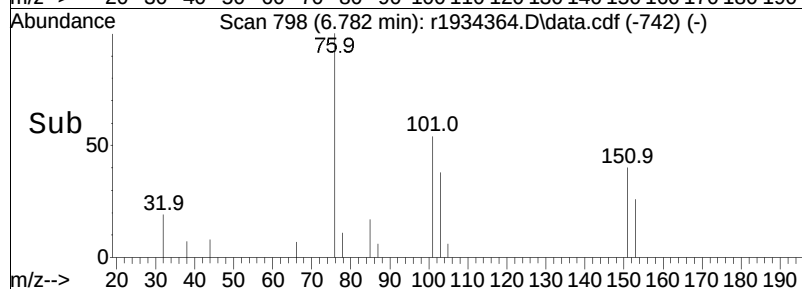
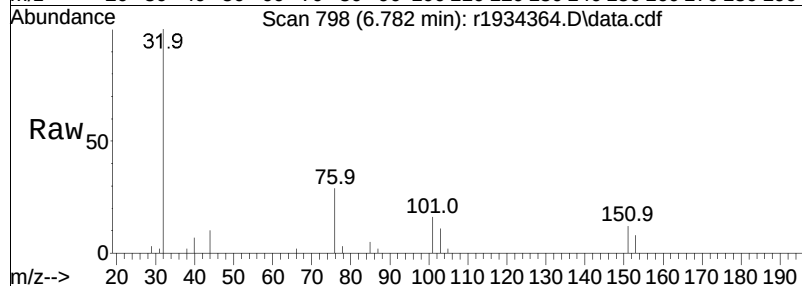
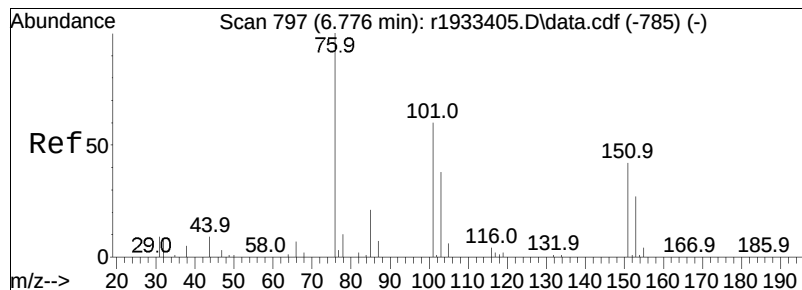




#30
 carbon disulfide
 Concen: 0.08 ppbV
 RT: 6.782 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: r1934364.D
 Acq: 8 May 2025 5:28 AM

Tgt Ion	Ratio	Lower	Upper
76	100		
44	33.2	7.0	10.6#





#31

Freon 113

Concen: 0.07 ppbV

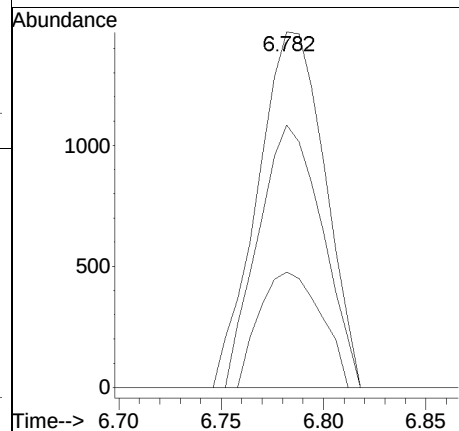
RT: 6.782 min Scan# 798

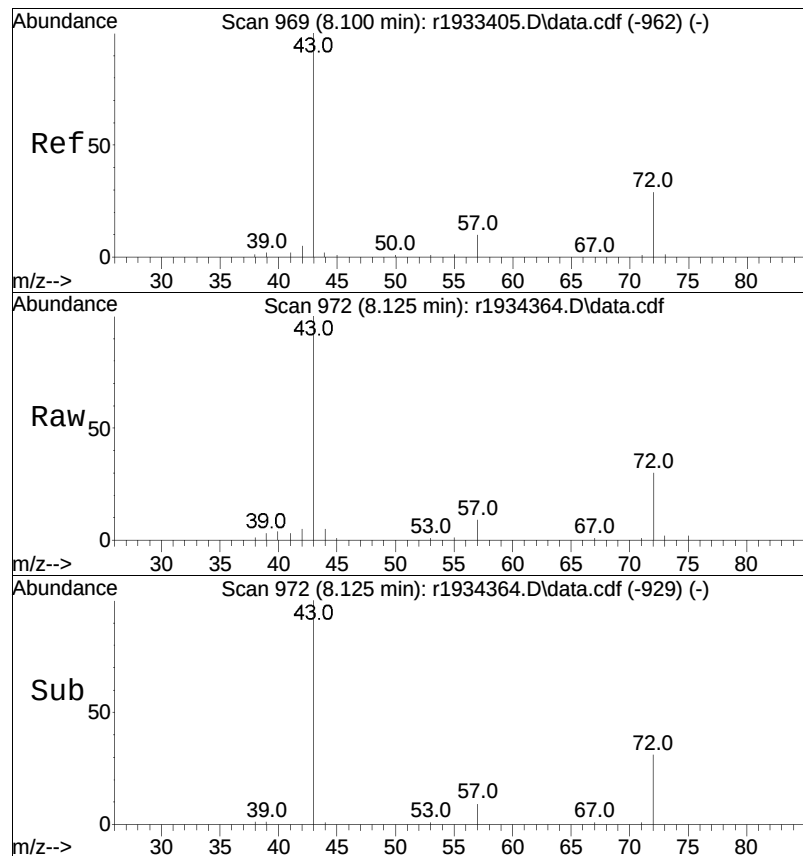
Delta R.T. 0.006 min

Lab File: r1934364.D

Acq: 8 May 2025 5:28 AM

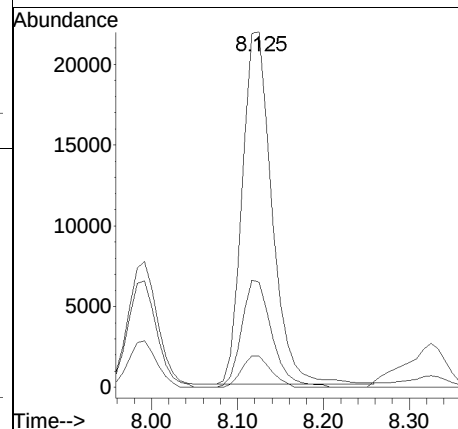
Tgt	Ion:101	Resp:	3366
Ion	Ratio	Lower	Upper
101	100		
85	32.4	27.7	41.5
151	73.8	56.6	85.0

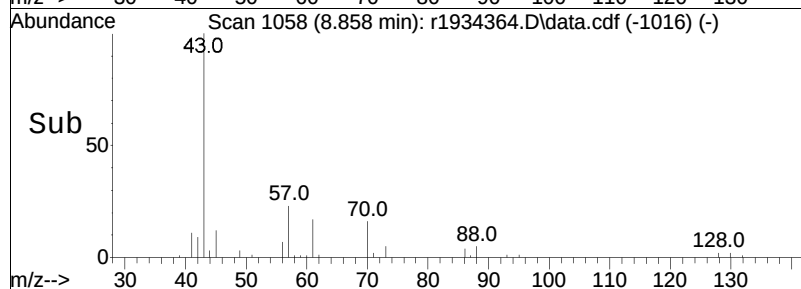
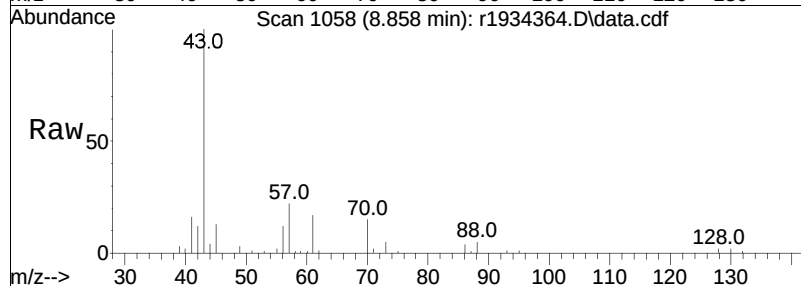
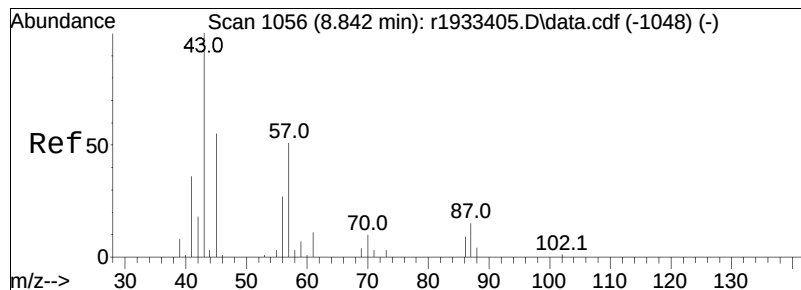




#36
 2-butanone
 Concen: 0.94 ppbV
 RT: 8.125 min Scan# 972
 Delta R.T. 0.025 min
 Lab File: r1934364.D
 Acq: 8 May 2025 5:28 AM

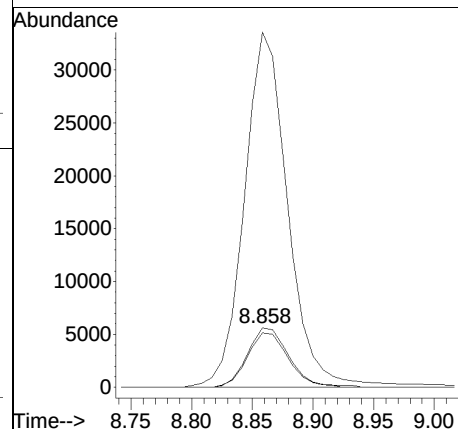
Tgt Ion:	43	Resp:	52379
Ion Ratio	Lower	Upper	
43	100		
72	29.6	23.3	34.9
57	8.8	7.9	11.9

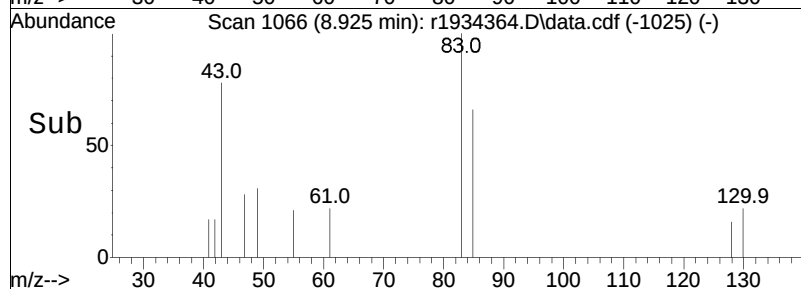
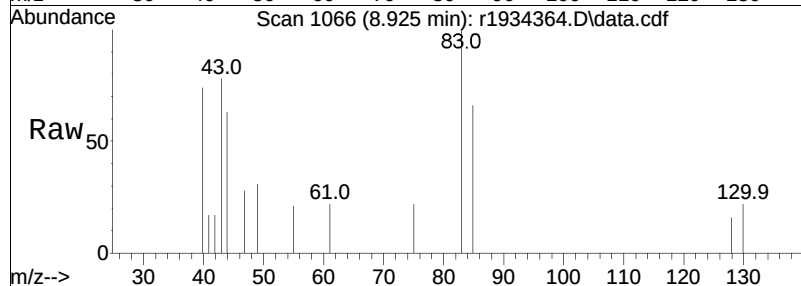
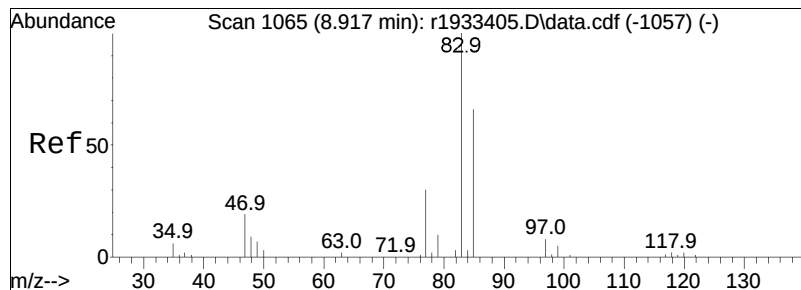




#38
Ethyl Acetate
Concen: 1.19 ppbV
RT: 8.858 min Scan# 1058
Delta R.T. 0.017 min
Lab File: r1934364.D
Acq: 8 May 2025 5:28 AM

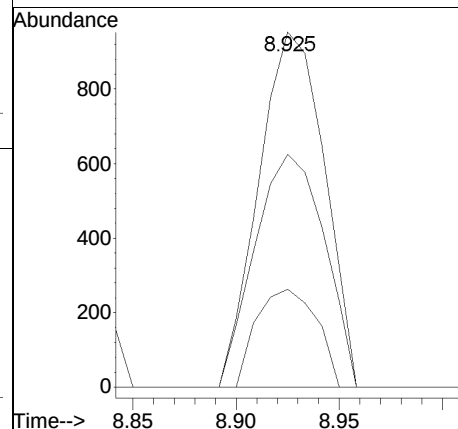
Tgt	Ion	Resp	Lower	Upper
61	100	13543		
70	91.7	72.0	108.0	
43	597.7	714.4	1071.6#	

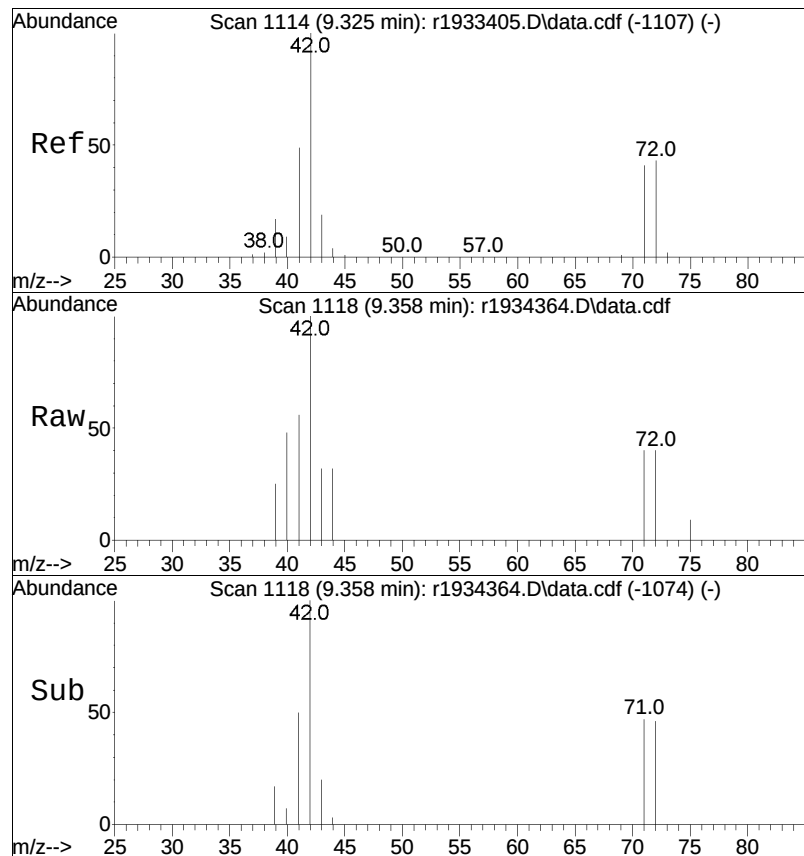




#39
chloroform
Concen: 0.05 ppbV
RT: 8.925 min Scan# 1066
Delta R.T. 0.008 min
Lab File: r1934364.D
Acq: 8 May 2025 5:28 AM

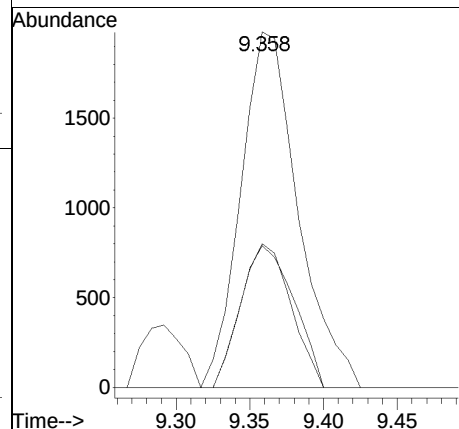
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	2114		
85	65.6		53.4	80.0
47	27.6		15.0	22.4

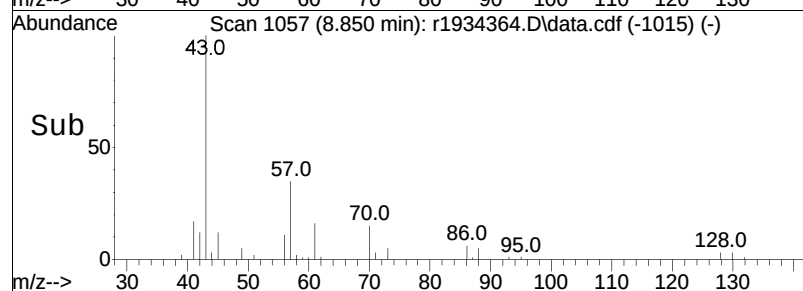
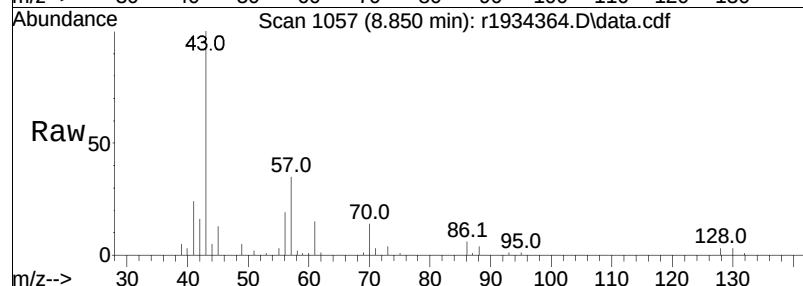
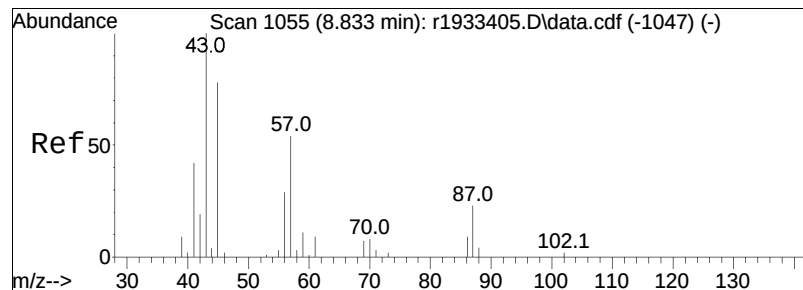




#40
Tetrahydrofuran
Concen: 0.17 ppbV
RT: 9.358 min Scan# 1118
Delta R.T. 0.033 min
Lab File: r1934364.D
Acq: 8 May 2025 5:28 AM

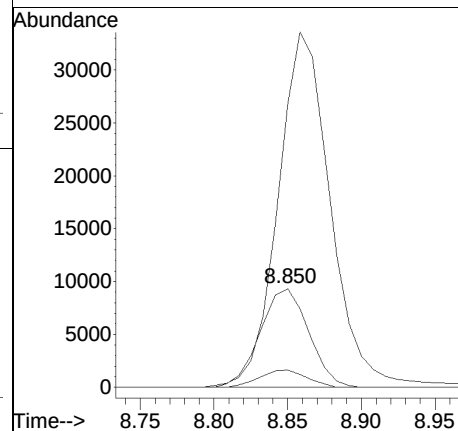
Tgt Ion:	42	Resp:	5378
Ion Ratio	Lower	Upper	
42	100		
71	40.5	32.6	48.8
72	39.9	34.6	52.0

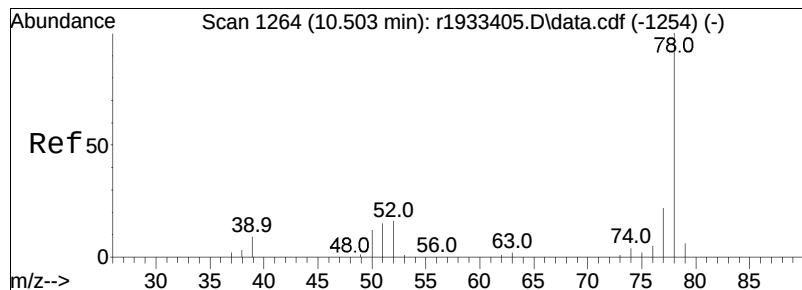




#44
hexane
Concen: 0.37 ppbV
RT: 8.850 min Scan# 1057
Delta R.T. 0.017 min
Lab File: r1934364.D
Acq: 8 May 2025 5:28 AM

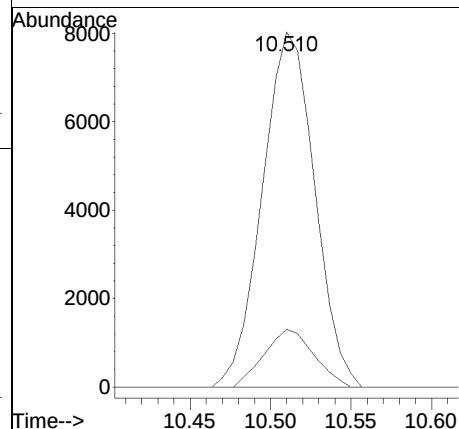
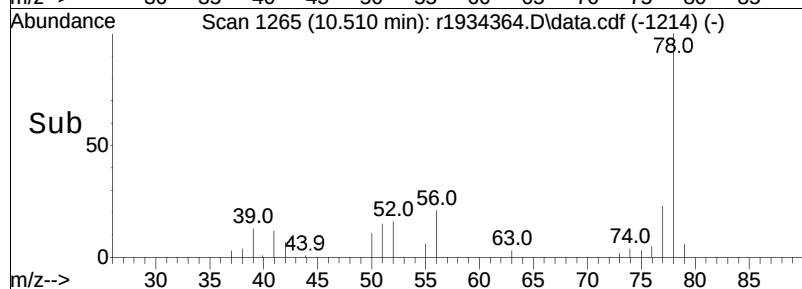
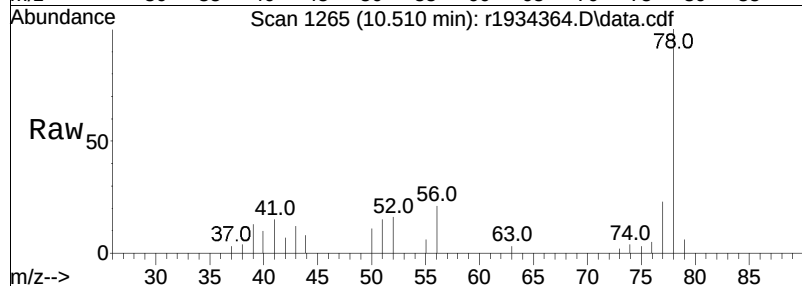
Tgt	Ion	Resp	Lower	Upper
57	100			
43	287.1	148.0	222.0#	
86	17.6	13.7	20.5	

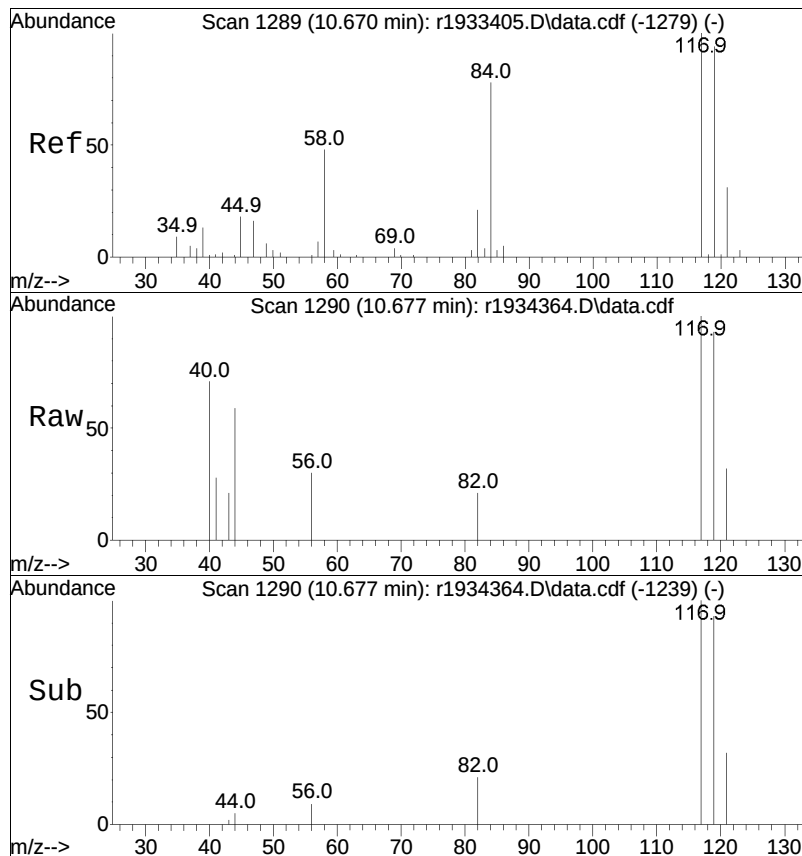




#50
benzene
Concen: 0.21 ppbV
RT: 10.510 min Scan# 1265
Delta R.T. 0.007 min
Lab File: r1934364.D
Acq: 8 May 2025 5:28 AM

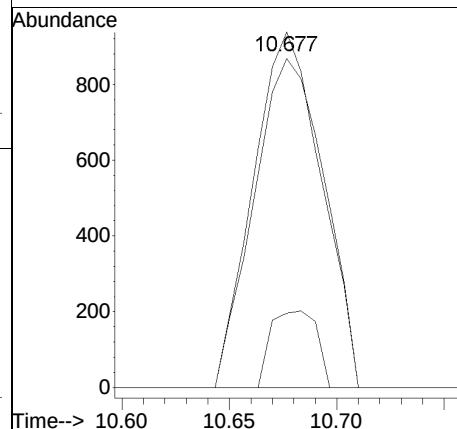
Tgt Ion	Ratio	Lower	Upper
78	100		
52	16.3	13.2	19.8

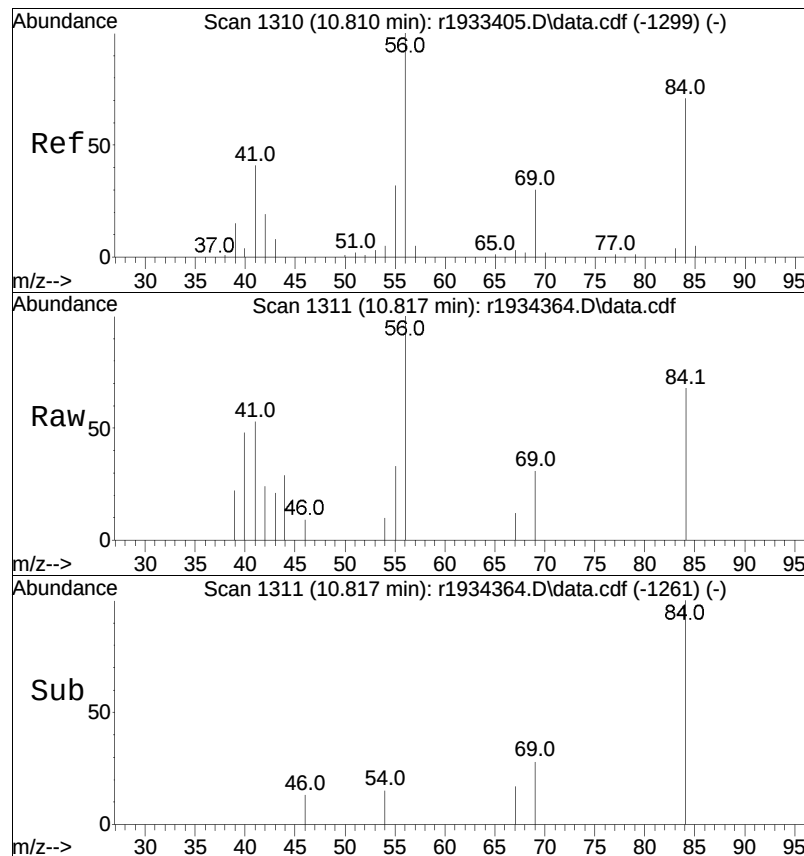




#52
 carbon tetrachloride
 Concen: 0.07 ppbV
 RT: 10.677 min Scan# 1290
 Delta R.T. 0.007 min
 Lab File: r1934364.D
 Acq: 8 May 2025 5:28 AM

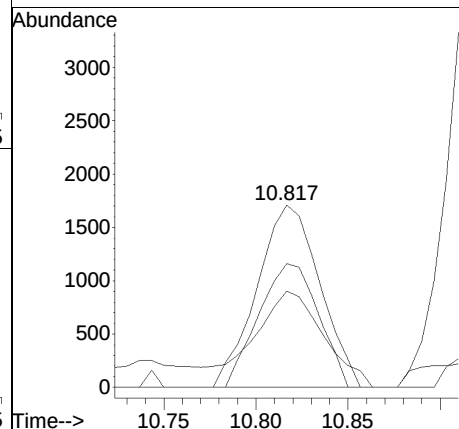
Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	75.6	113.4
82	20.9	16.8	25.2

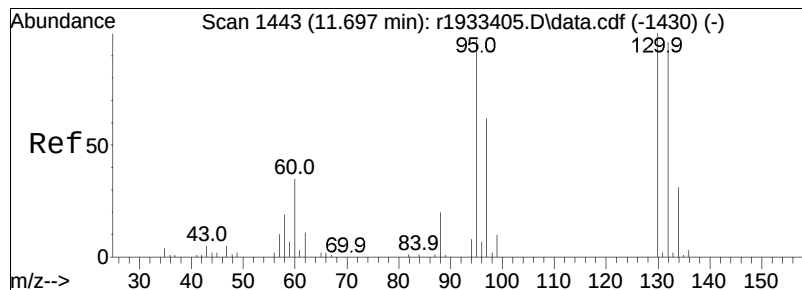




#53
cyclohexane
Concen: 0.07 ppbV
RT: 10.817 min Scan# 1311
Delta R.T. 0.007 min
Lab File: r1934364.D
Acq: 8 May 2025 5:28 AM

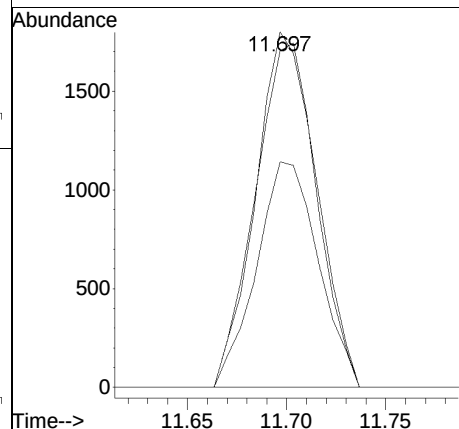
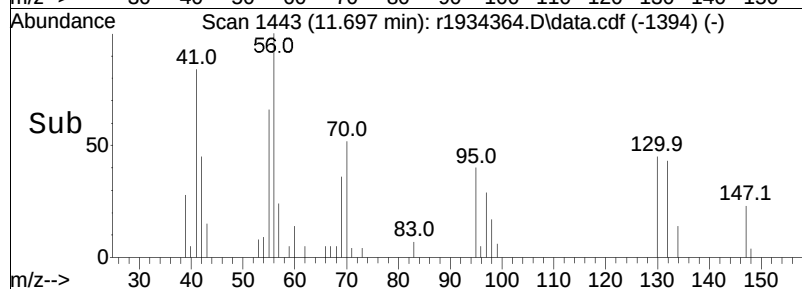
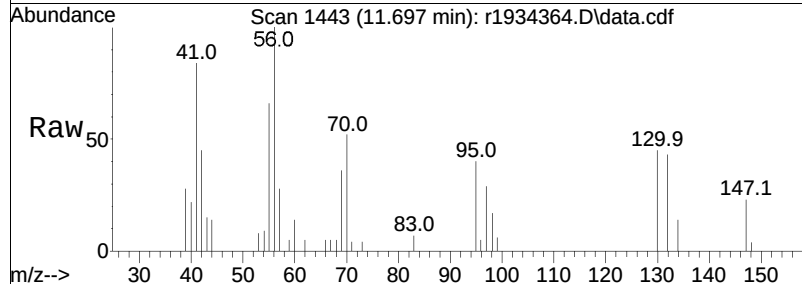
Tgt Ion	Ratio	Lower	Upper
56	100		
84	67.8	56.8	85.2
41	52.8	32.8	49.2#

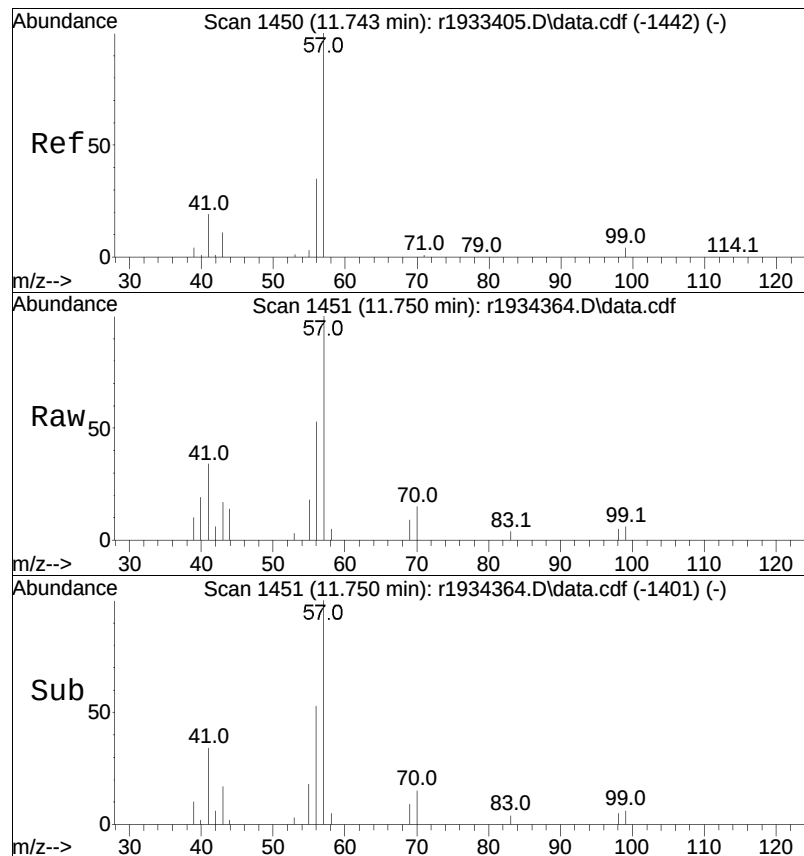




#59
trichloroethene
Concen: 0.10 ppbV
RT: 11.697 min Scan# 1443
Delta R.T. 0.000 min
Lab File: r1934364.D
Acq: 8 May 2025 5:28 AM

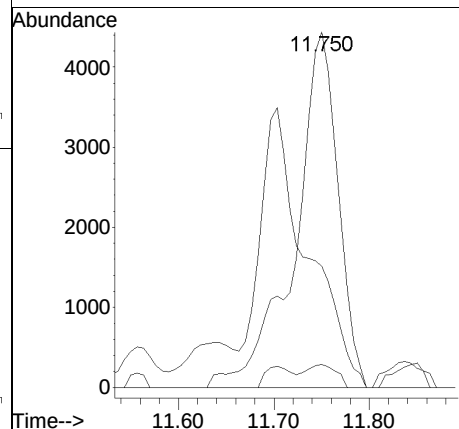
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	3838		
132	94.7		76.6	114.8
97	63.5		49.3	73.9

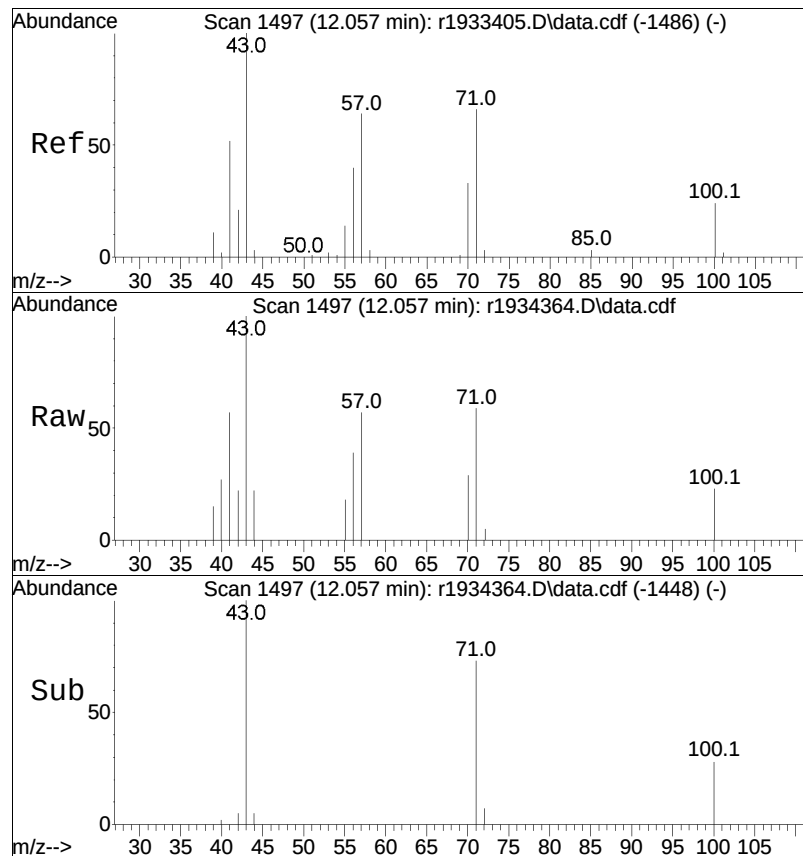




#60
 2,2,4-trimethylpentane
 Concen: 0.08 ppbV
 RT: 11.750 min Scan# 1451
 Delta R.T. 0.007 min
 Lab File: r1934364.D
 Acq: 8 May 2025 5:28 AM

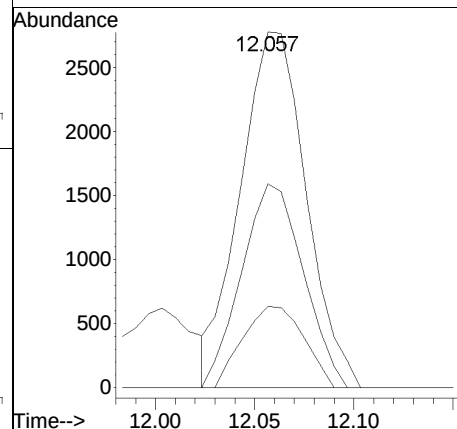
Tgt Ion:	57	Resp:	13896
Ion Ratio	Lower	Upper	
57	100		
99	6.5	4.7	7.1
41	34.1	15.1	22.7#

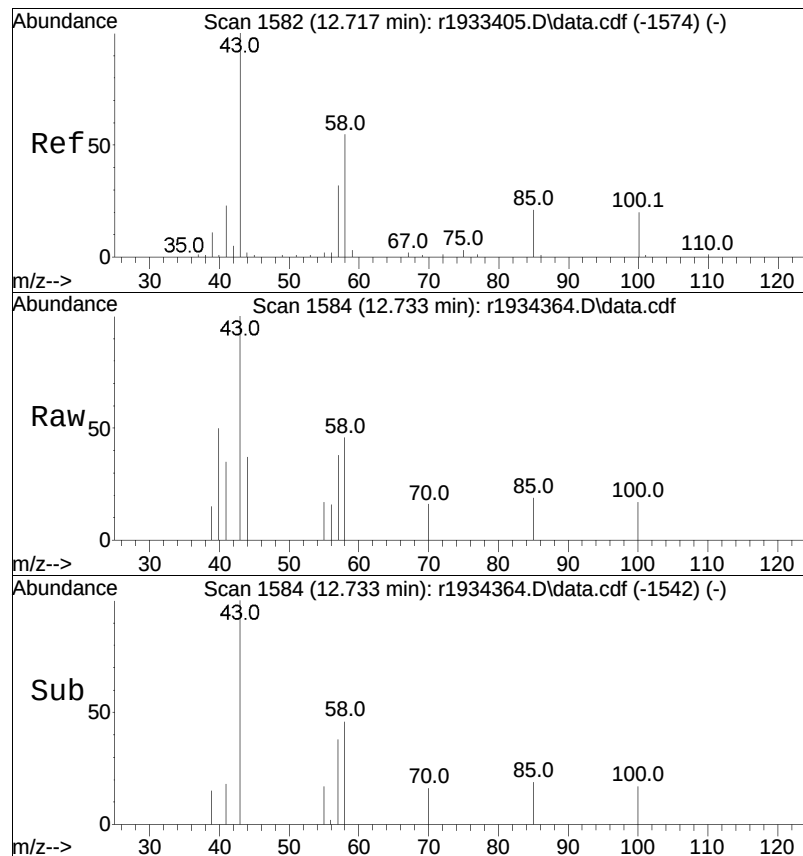




#62
 heptane
 Concen: 0.12 ppbV
 RT: 12.057 min Scan# 1497
 Delta R.T. 0.000 min
 Lab File: r1934364.D
 Acq: 8 May 2025 5:28 AM

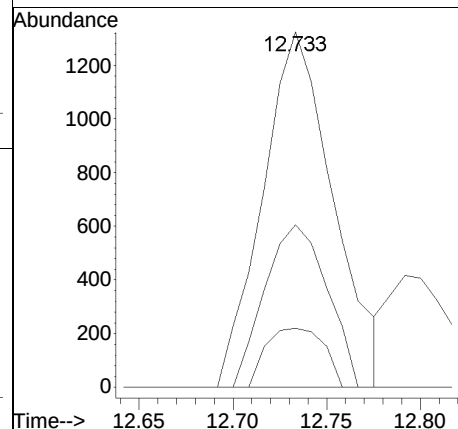
Tgt Ion	Ratio	Lower	Upper
43	100		
57	57.3	51.3	76.9
100	22.8	19.3	28.9

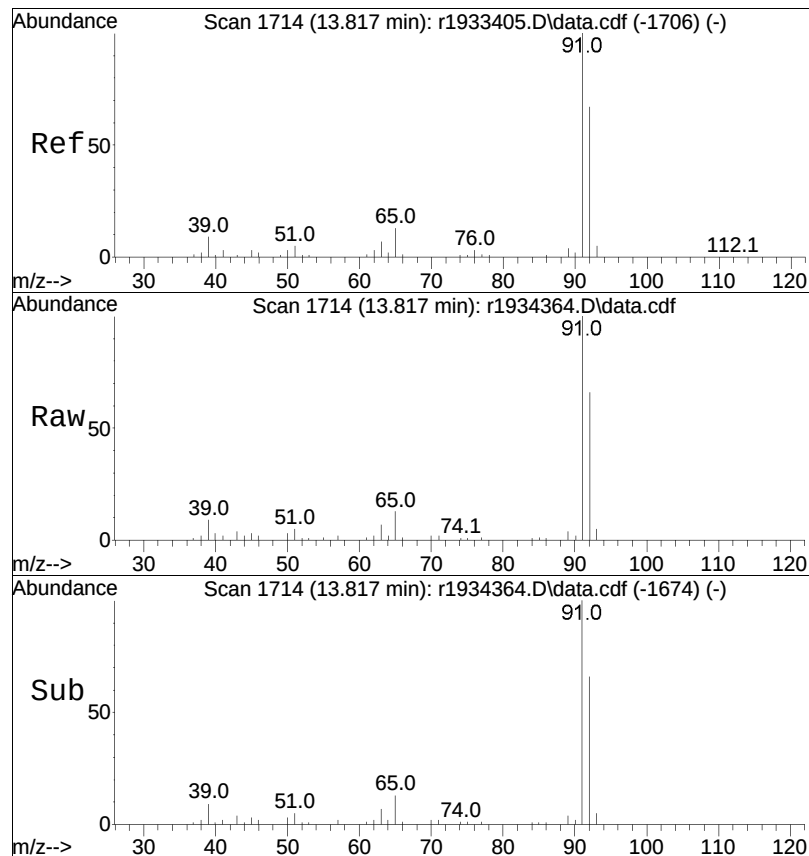




#64
 4-methyl-2-pentanone
 Concen: 0.06 ppbV
 RT: 12.733 min Scan# 1584
 Delta R.T. 0.017 min
 Lab File: r1934364.D
 Acq: 8 May 2025 5:28 AM

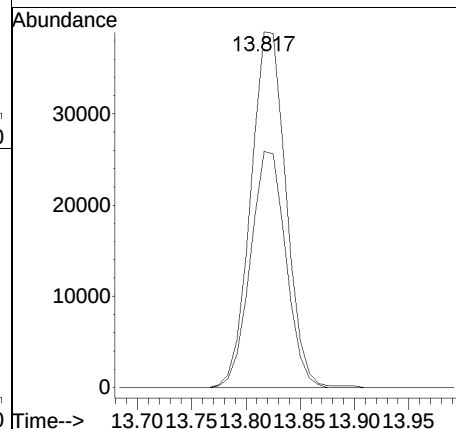
Tgt Ion	Ratio	Lower	Upper
43	100		
58	45.8	44.1	66.1
100	16.6	16.3	24.5

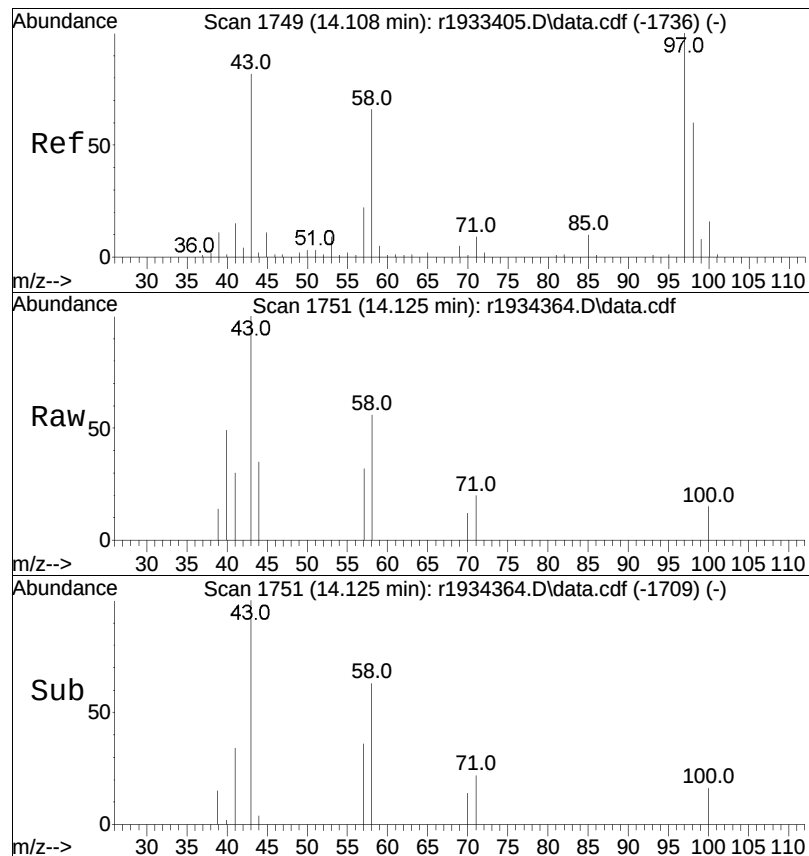




#68
toluene
Concen: 0.94 ppbV
RT: 13.817 min Scan# 1714
Delta R.T. 0.000 min
Lab File: r1934364.D
Acq: 8 May 2025 5:28 AM

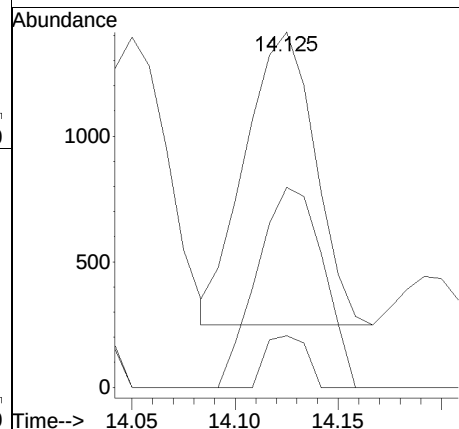
Tgt	Ion	Resp	Lower	Upper
91	100	88021		
92	66.4	53.5	80.3	

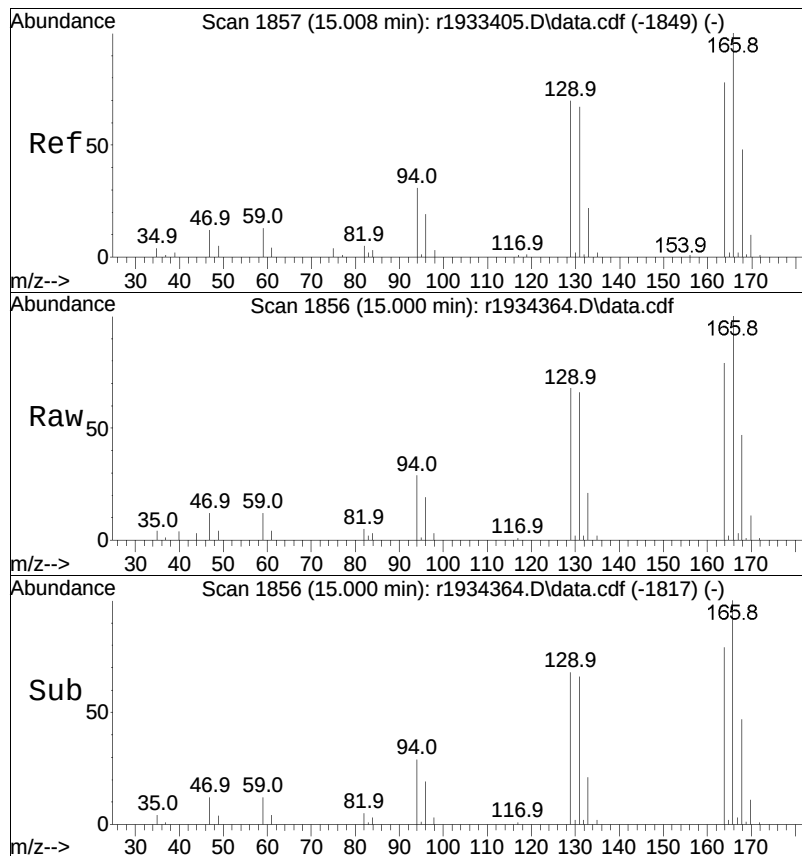




#72
 2-hexanone
 Concen: 0.06 ppbV
 RT: 14.125 min Scan# 1751
 Delta R.T. 0.017 min
 Lab File: r1934364.D
 Acq: 8 May 2025 5:28 AM

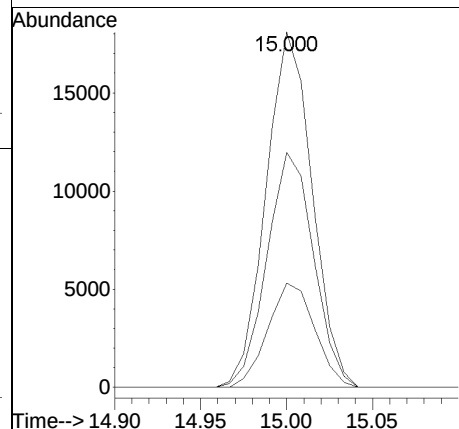
Tgt Ion:	43	58	100	Ratio	Lower	Upper
Resp:	2745					
Ion Ratio	100	56.3	14.6			
		65.2	15.7			
		97.8#	23.5#			

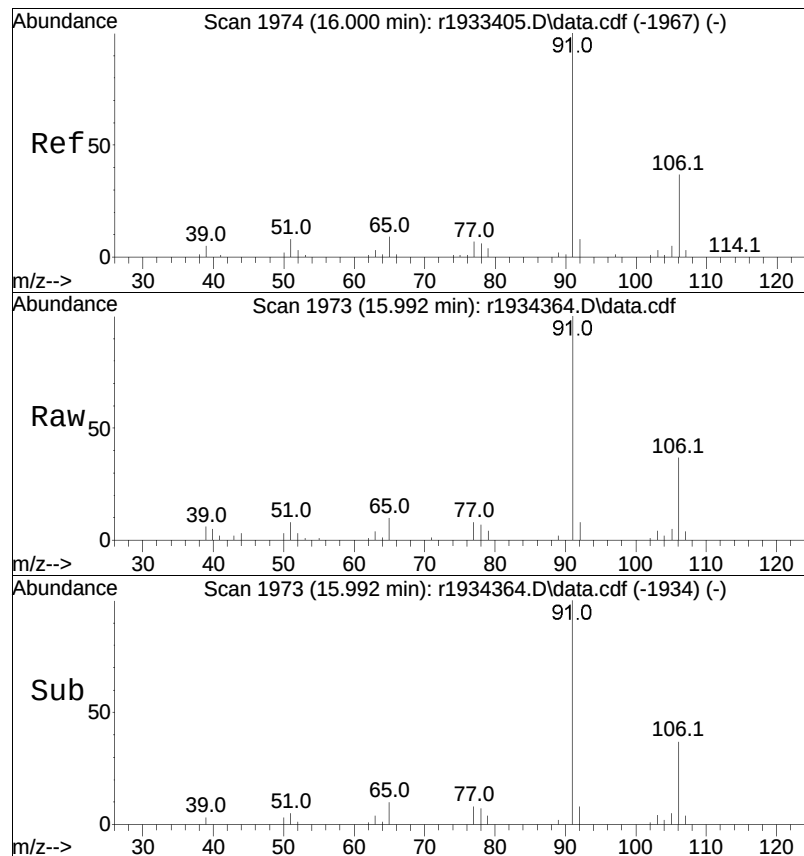




#78
 tetrachloroethene
 Concen: 0.84 ppbV
 RT: 15.000 min Scan# 1856
 Delta R.T. -0.008 min
 Lab File: r1934364.D
 Acq: 8 May 2025 5:28 AM

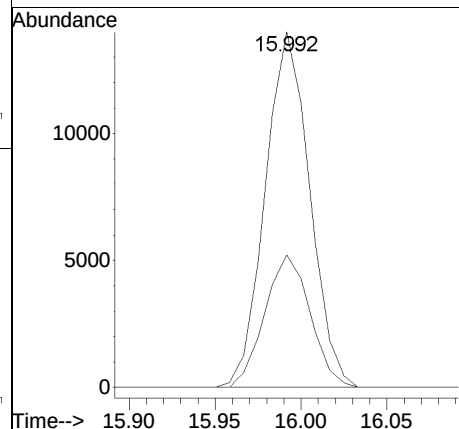
Tgt	Ion:166	Resp:	33831
Ion	Ratio	Lower	Upper
166	100		
131	66.1	53.6	80.4
94	29.3	24.4	36.6

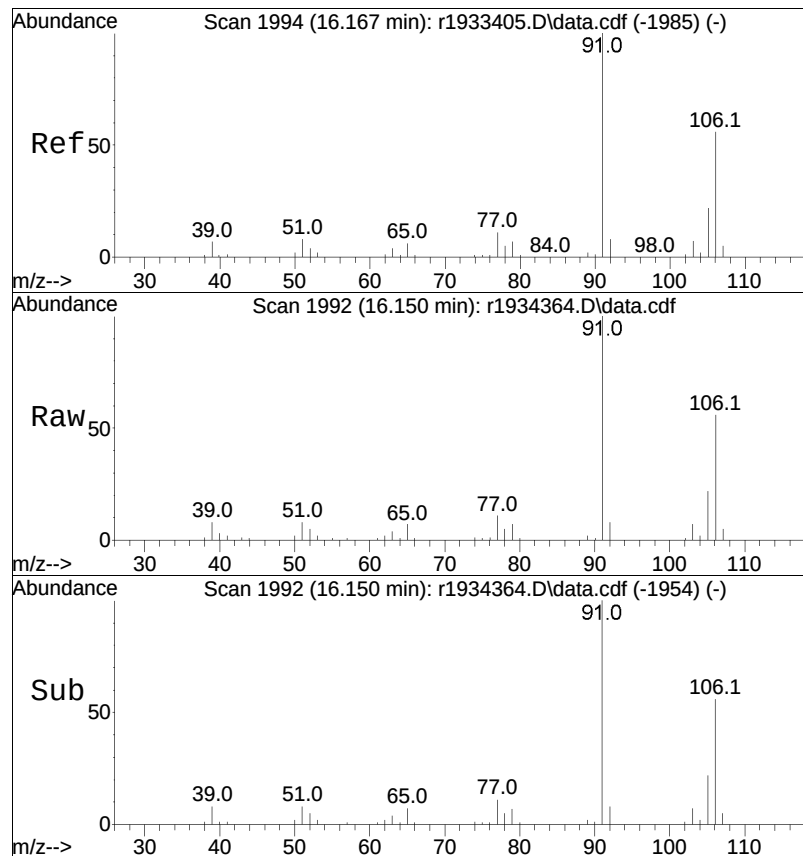




#81
ethylbenzene
Concen: 0.21 ppbV
RT: 15.992 min Scan# 1973
Delta R.T. -0.008 min
Lab File: r1934364.D
Acq: 8 May 2025 5:28 AM

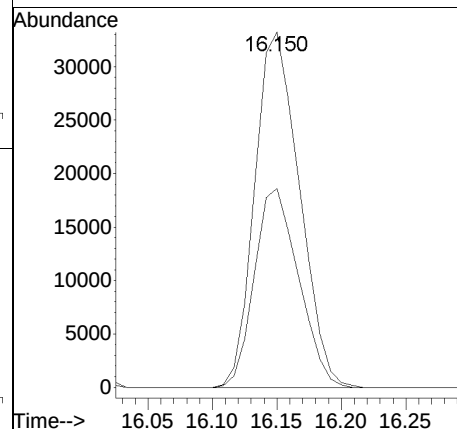
Tgt Ion	Ratio	Lower	Upper
91	100		
106	37.3	29.3	43.9

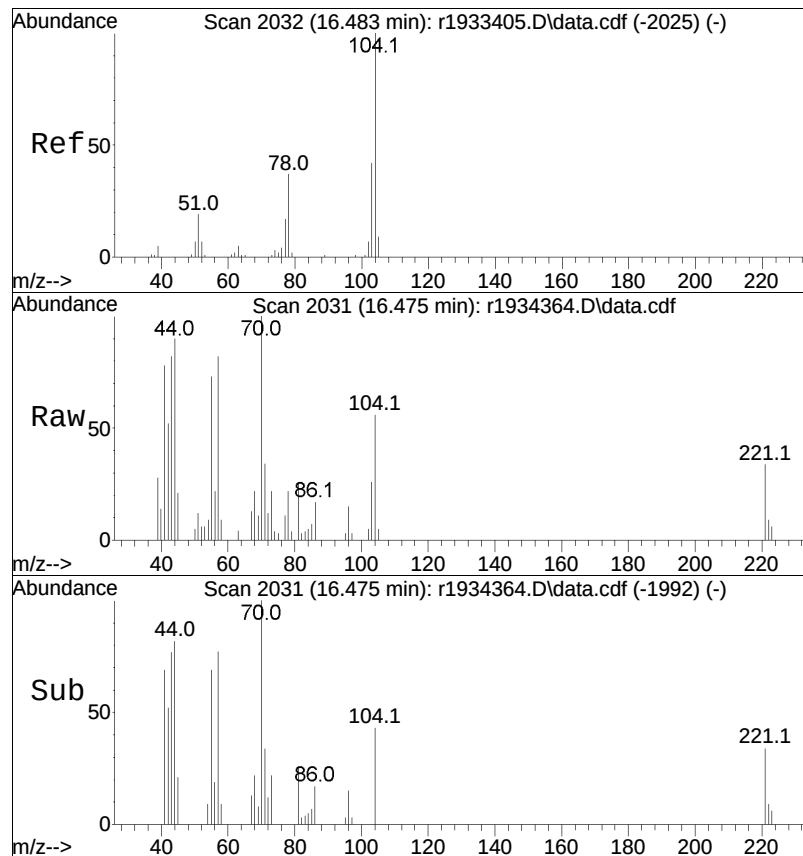




#83
 m+p-xylene
 Concen: 0.85 ppbV
 RT: 16.150 min Scan# 1992
 Delta R.T. -0.017 min
 Lab File: r1934364.D
 Acq: 8 May 2025 5:28 AM

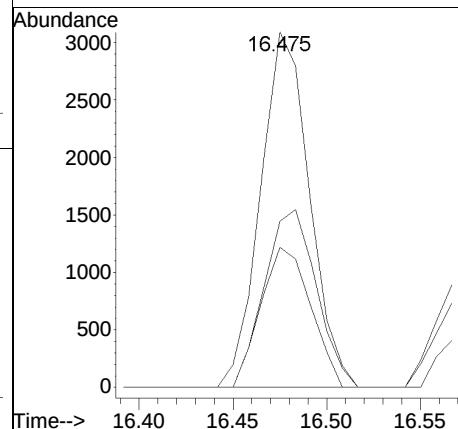
Tgt	Ion	Resp	Lower	Upper
91	100	79996		
106	56.0	44.6	67.0	

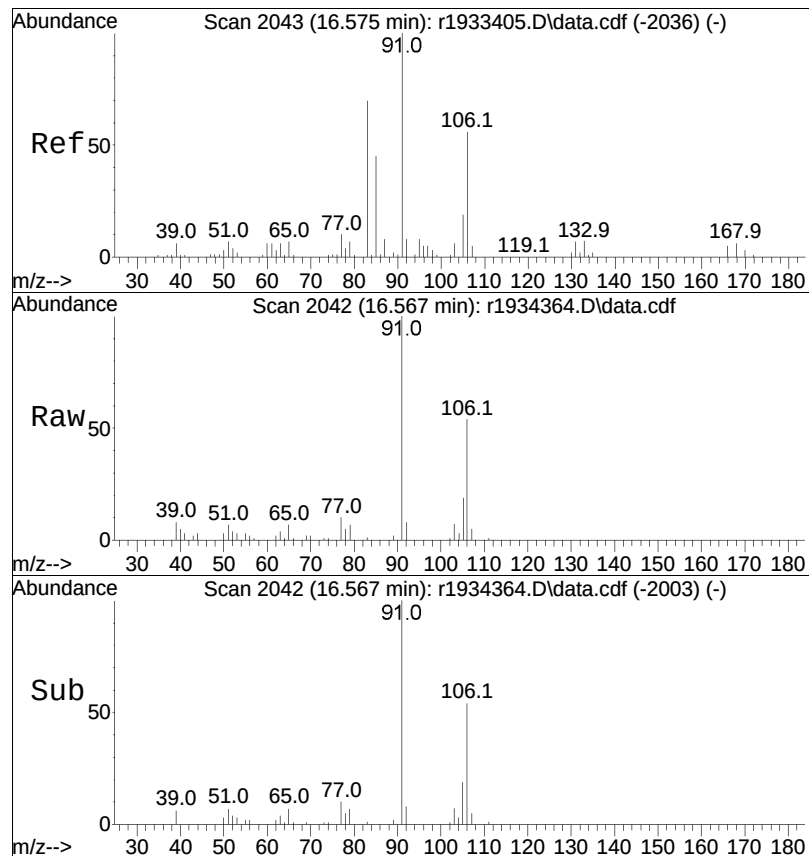




#85
styrene
Concen: 0.07 ppbV
RT: 16.475 min Scan# 2031
Delta R.T. -0.008 min
Lab File: r1934364.D
Acq: 8 May 2025 5:28 AM

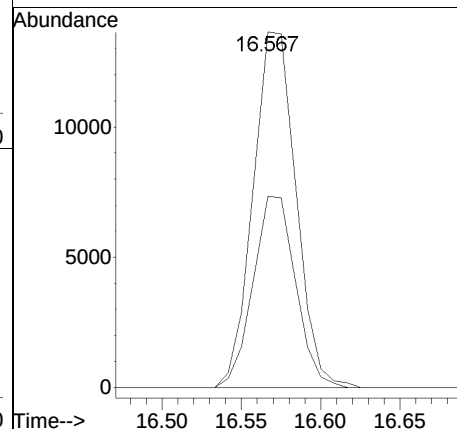
Tgt	Ion:104	Resp:	5622
Ion	Ratio	Lower	Upper
104	100		
103	46.8	33.8	50.6
78	39.4	29.9	44.9

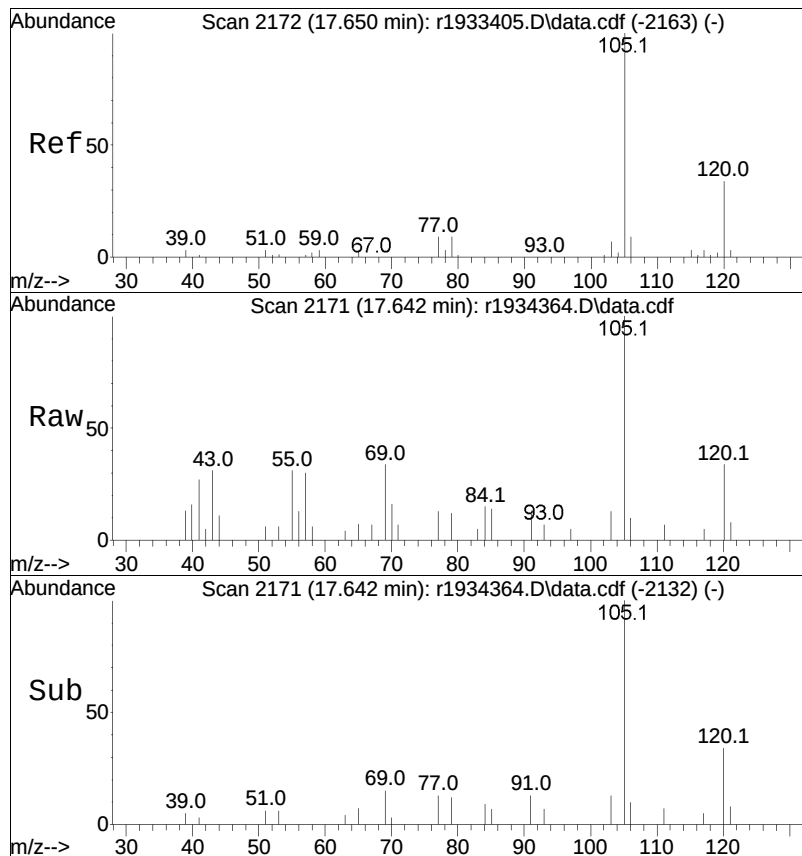




#87
 o-xylene
 Concen: 0.28 ppbV
 RT: 16.567 min Scan# 2042
 Delta R.T. -0.008 min
 Lab File: r1934364.D
 Acq: 8 May 2025 5:28 AM

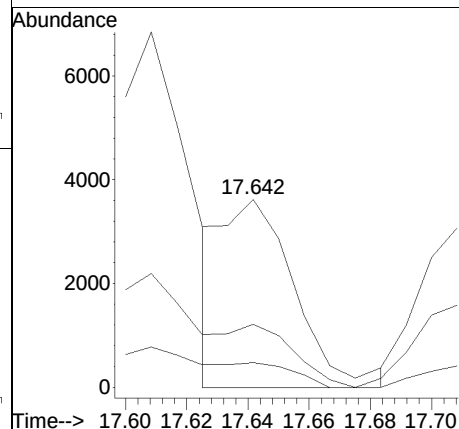
Tgt Ion	Ratio	Lower	Upper
91	100		
106	53.7	44.5	66.7

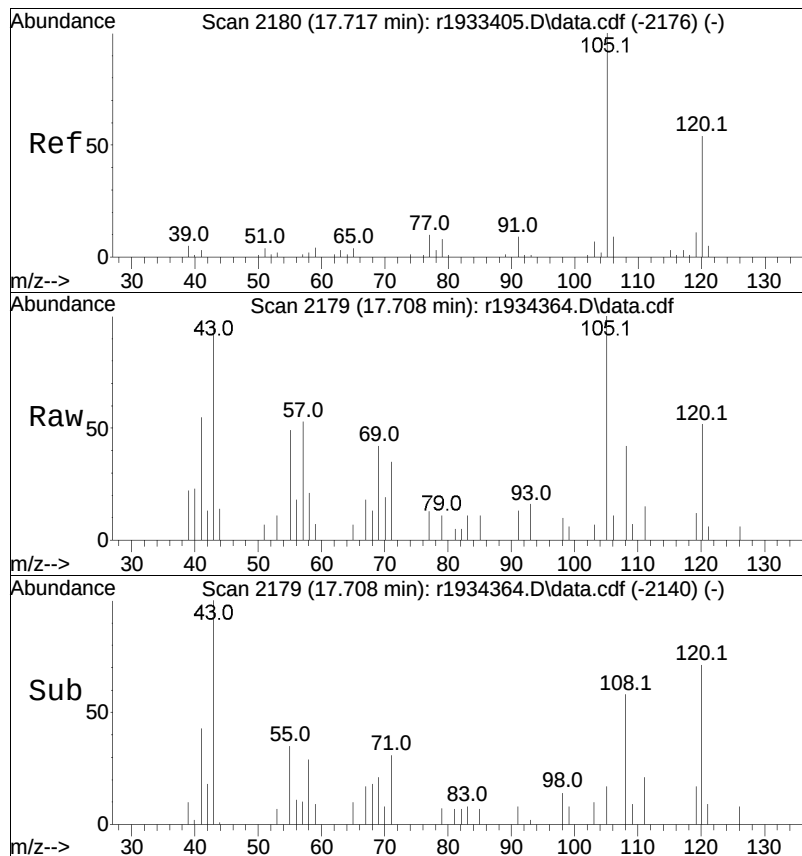




#96
 4-ethyl toluene
 Concen: 0.05 ppbV m
 RT: 17.642 min Scan# 2171
 Delta R.T. -0.008 min
 Lab File: r1934364.D
 Acq: 8 May 2025 5:28 AM

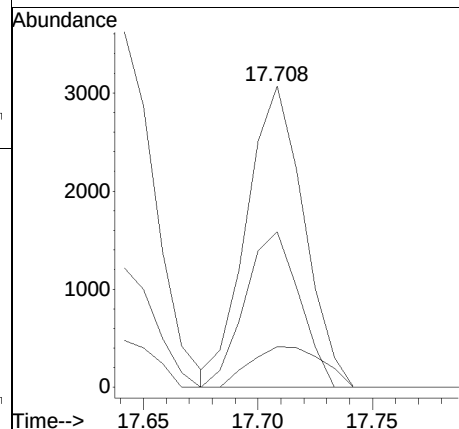
Tgt Ion:	105	Resp:	5983
Ion Ratio	Lower	Upper	
105	100		
120	33.6	27.0	40.6
91	13.2	7.8	11.8#

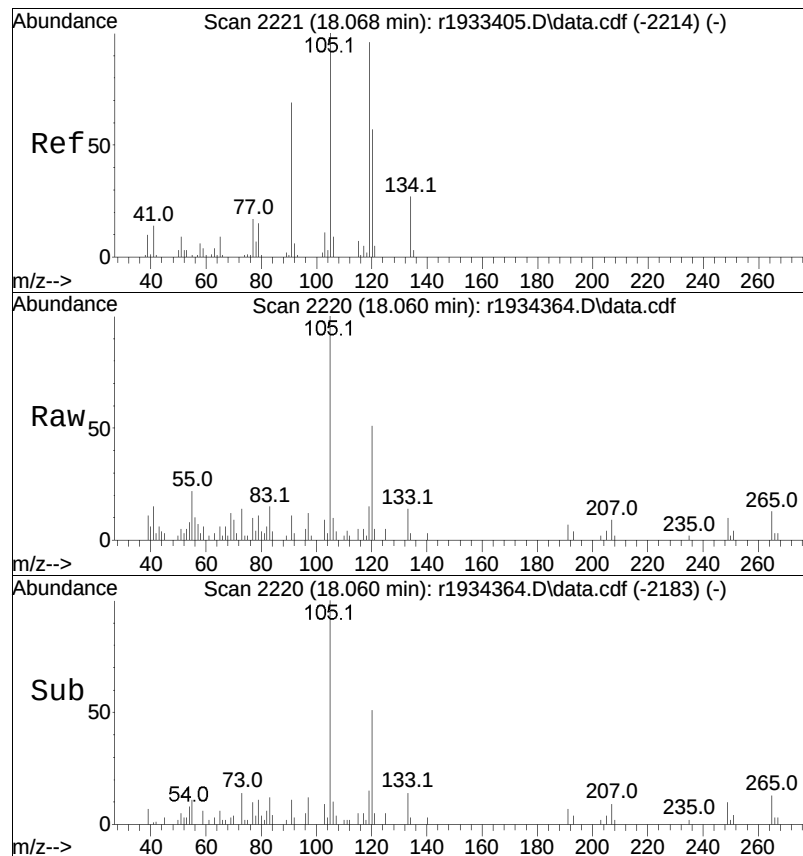




#97
 1,3,5-trimethylbenzene
 Concen: 0.05 ppbV
 RT: 17.708 min Scan# 2179
 Delta R.T. -0.008 min
 Lab File: r1934364.D
 Acq: 8 May 2025 5:28 AM

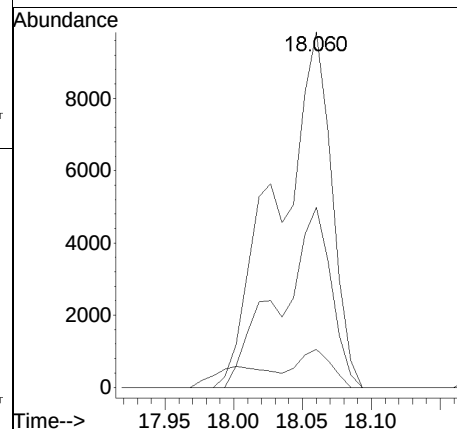
Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.6	42.5	63.7
91	13.5	7.4	11.2

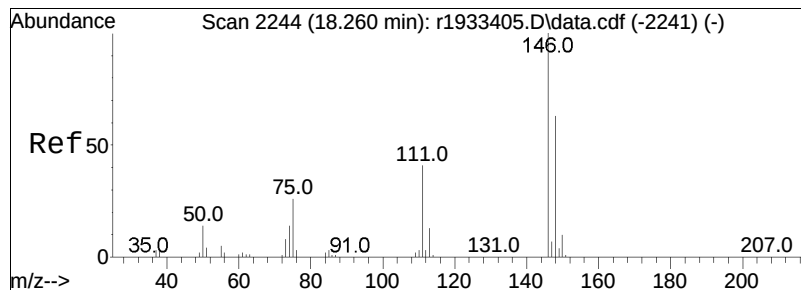




#99
 1,2,4-trimethylbenzene
 Concen: 0.25 ppbV
 RT: 18.060 min Scan# 2220
 Delta R.T. -0.008 min
 Lab File: r1934364.D
 Acq: 8 May 2025 5:28 AM

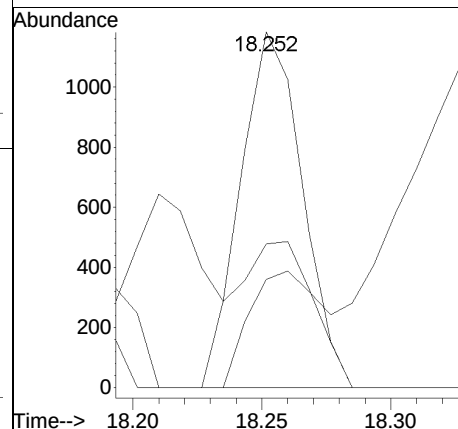
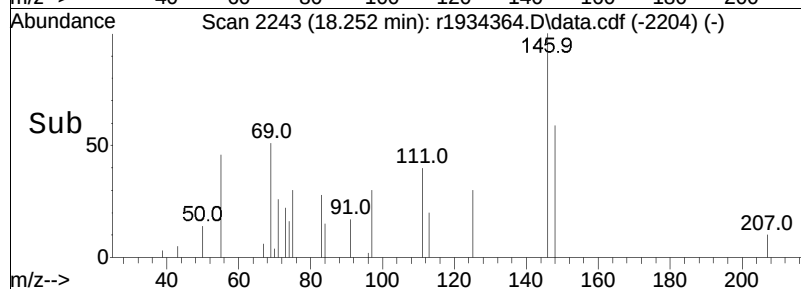
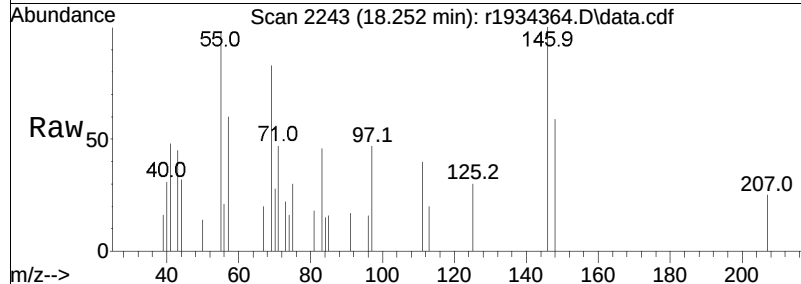
Tgt	Ion	Ratio	Resp	Lower	Upper
105	105	100	27042		
120	50.7	45.8	68.6		
91	10.7	55.0	82.6		

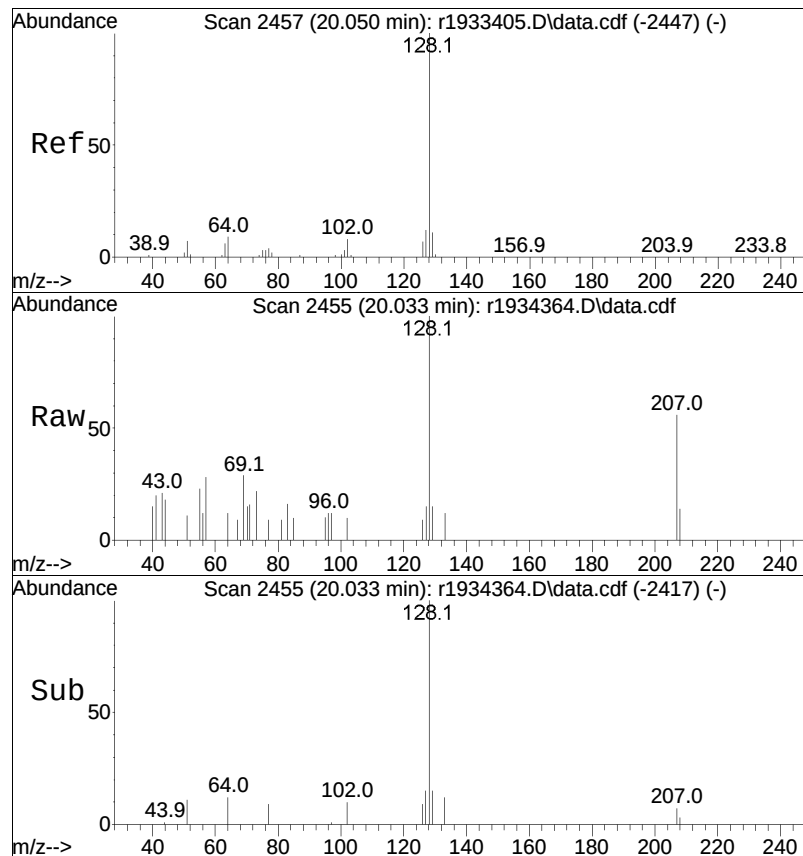




#103
 1,4-dichlorobenzene
 Concen: 0.03 ppbV
 RT: 18.252 min Scan# 2243
 Delta R.T. -0.008 min
 Lab File: r1934364.D
 Acq: 8 May 2025 5:28 AM

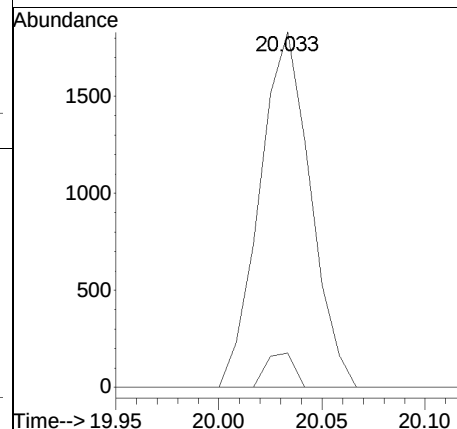
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	32.6	48.8
75	30.4	21.0	31.4





#116
 naphthalene
 Concen: 0.03 ppbV
 RT: 20.033 min Scan# 2455
 Delta R.T. -0.017 min
 Lab File: r1934364.D
 Acq: 8 May 2025 5:28 AM

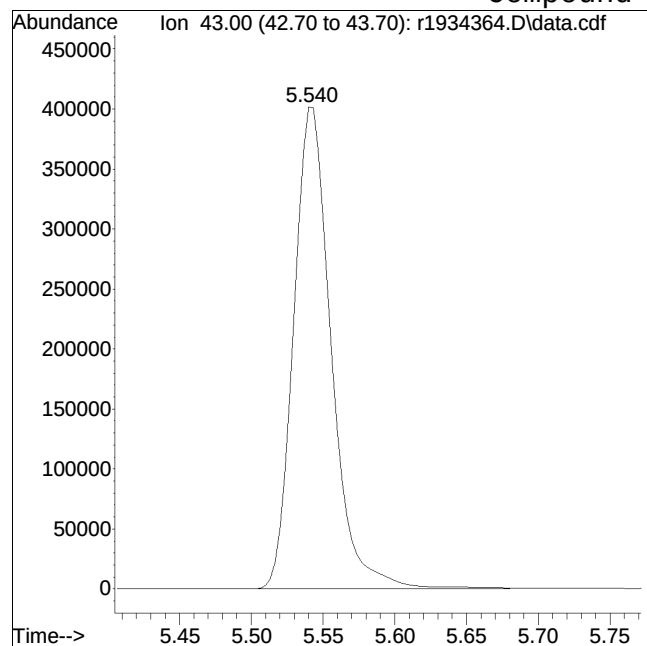
Tgt	Ion	Ratio	Lower	Upper
128	100			
102	9.7	6.2	9.2#	



Manual Integration Report

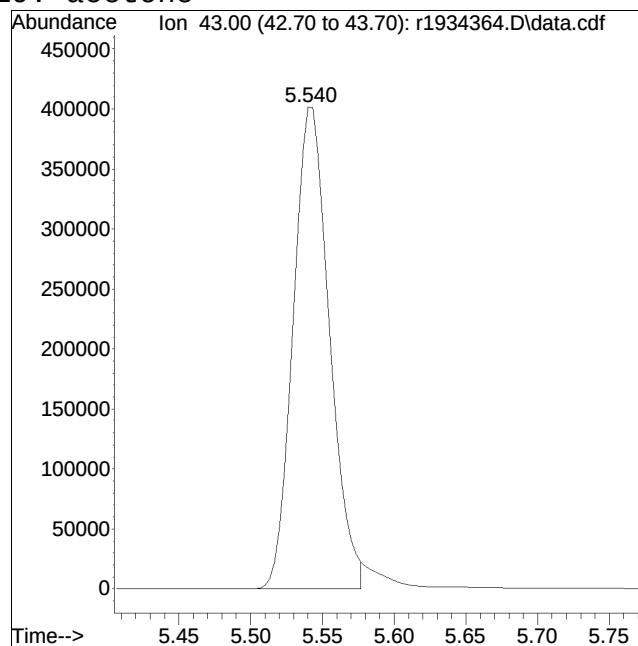
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934364.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 5:28 AM Instrument :
Sample : L2525337-08,3,250,250 Quant Date : 5/8/2025 6:22 am

Compound #19: acetone



Original Peak Response = 733150

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

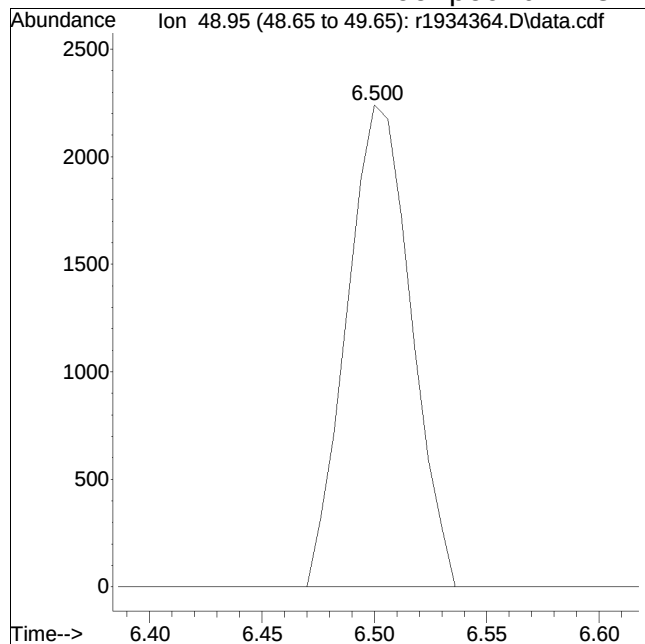


Manual Peak Response = 705954 M6

Manual Integration Report

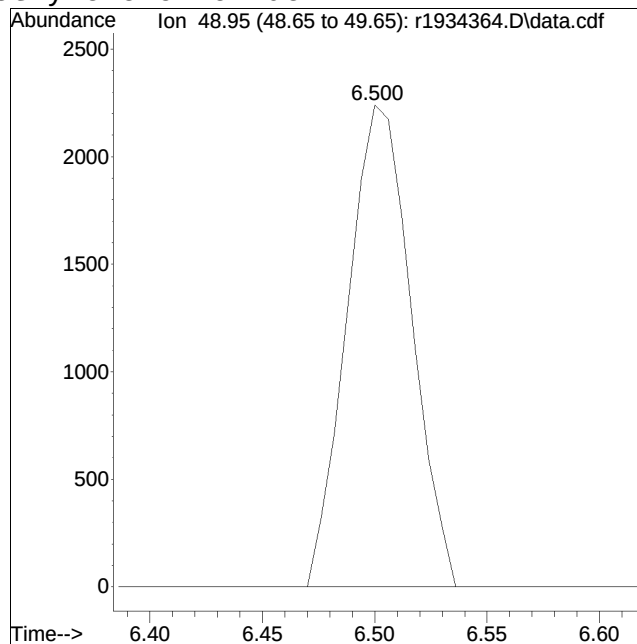
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934364.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 5:28 AM Instrument :
Sample : L2525337-08,3,250,250 Quant Date : 5/8/2025 6:22 am

Compound #28: methylene chloride



Original Peak Response = 4441

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

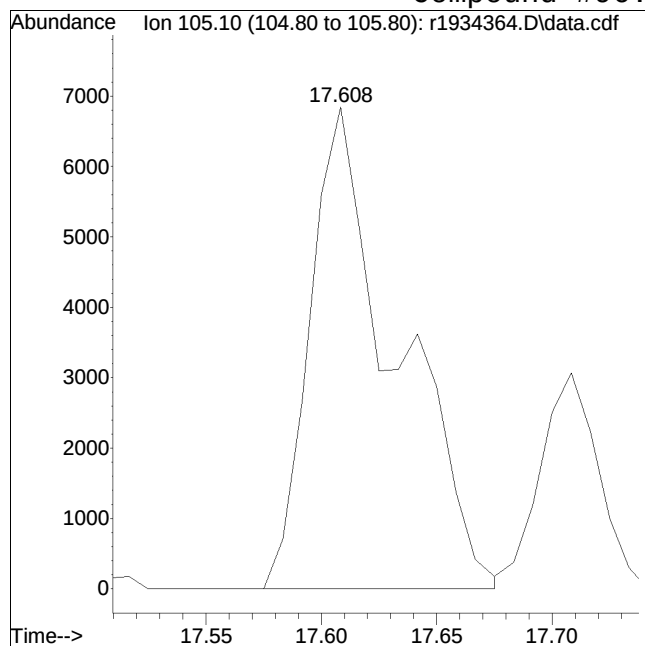


Manual Peak Response = 4441 M6

Manual Integration Report

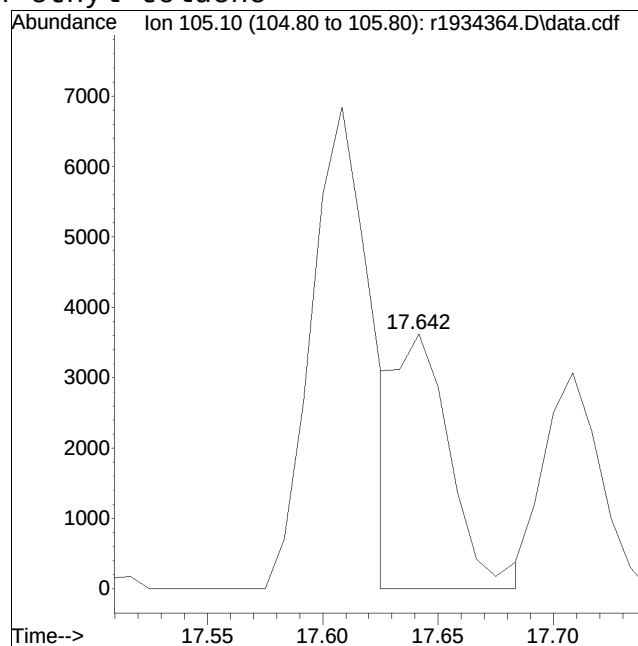
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934364.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 5:28 AM Instrument :
Sample : L2525337-08,3,250,250 Quant Date : 5/8/2025 6:22 am

Compound #96: 4-ethyl toluene



Original Peak Response = 17789

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 5983 M6

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Air Volatiles

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Instrument ID : AIRLAB19
 Calibration dates : 03/23/25 23:58 03/24/25 04:43

Lab Number : L2525337
 Project Number : 170447
 Ical Ref : ICAL22124

Calibration Files

0.2 =r1933401.D 0.5 =r1933402.D 1.0 =r1933403.D 5.0 =r1933404.D 10 =r1933405.D 20 =r1933406.D
 50 =r1933407.D 100 =r1933408.D

Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
1) I bromochloromethane	-----ISTD-----									
2) chlorodifluoromethane	1.155	1.115	1.148	0.924	0.879	0.905	0.825	0.776	0.966	15.67
3) propylene		0.910	0.854	0.734	0.704	0.767	0.755	0.759	0.783	9.24
4) propane		0.961	0.972	0.807	0.753	0.764	0.723	0.669	0.807	14.47
5) dichlorodifluoromethane	1.563	1.580	1.622	1.350	1.258	1.198	1.092	0.974	1.330	18.16
6) C chloromethane	0.616	0.568	0.566	0.478	0.471	0.466	0.441	0.439	0.506	13.32
7) Freon-114	1.442	1.422	1.482	1.227	1.146	1.123	1.010	0.885	1.217	17.82
8) C methanol			0.348	0.261	0.243	0.241	0.222	0.204	0.253	19.97
9) C vinyl chloride	0.831	0.808	0.850	0.717	0.678	0.669	0.619	0.557	0.716	14.72
10) C 1,3-butadiene	0.566	0.585	0.605	0.727	0.482	0.485	0.701	0.417	0.571	18.93
11) butane	1.212	1.148	1.197	1.251	0.935	0.966	1.261	0.884	1.107	13.83
12) C acetaldehyde		0.302	0.293	0.222	0.207	0.200	0.178	0.159	0.223	24.60
13) C bromomethane	0.800	0.798	0.830	0.698	0.671	0.684	0.644	0.596	0.715	11.78
14) C chloroethane	0.617	0.614	0.630	0.539	0.528	0.551	0.556	0.551	0.573	7.01
15) ethanol			0.854	0.613	0.558	0.584	0.548	0.429	0.598	23.48
16) dichlorofluoromethane	1.854	1.854	1.944	1.602	1.555	1.727	1.571	1.267	1.672	13.10
17) C vinyl bromide	0.759	0.739	0.773	0.655	0.648	0.682	0.665	0.632	0.694	7.89
18) C acrolein		0.511	0.536	0.462	0.454	0.470	0.454	0.435	0.475	7.50
19) acetone	1.361	1.232	1.236	0.995	0.953	0.963	0.877	0.793	1.051	19.02
20) C acetonitrile	0.916	0.921	1.014	0.855	0.834	0.886	0.906	0.904	0.905	5.92
21) trichlorofluoromethane	1.489	1.513	1.568	1.287	1.221	1.197	1.050	0.921	1.281	18.03
22) isopropyl alcohol	1.393	1.207	1.311	1.130	1.139	1.211	1.182	1.135	1.214	7.72
23) C acrylonitrile	0.742	0.764	0.812	0.704	0.684	0.705	0.684	0.660	0.720	6.95
24) pentane	1.837	1.793	1.887	1.546	1.510	1.593	1.548	1.740	1.682	8.88
25) ethyl ether	1.668	1.669	1.721	1.418	1.551	1.582	1.243	1.381	1.529	10.90
26) C 1,1-dichloroethene	1.500	1.463	1.529	1.290	1.243	1.259	1.166	1.061	1.314	12.78
27) tertiary butyl alcohol		1.939	2.097	1.840	1.853	1.989	1.843	1.712	1.896	6.55
28) C methylene chloride		0.921	0.933	0.790	0.762	0.765	0.722	0.691	0.798	11.80
29) C 3-chloropropene	1.276	1.304	1.364	1.163	1.152	1.204	1.207	1.204	1.234	5.96
30) C carbon disulfide	2.406	2.387	2.522	2.114	2.054	2.120	2.028	1.860	2.186	10.37
31) Freon 113	1.697	1.654	1.714	1.442	1.397	1.409	1.285	1.113	1.464	14.51
32) trans-1,2-dichloroethene	1.427	1.458	1.516	1.300	1.260	1.285	1.221	1.120	1.323	10.06
33) C 1,1-dichloroethane	1.897	1.878	1.972	1.657	1.620	1.659	1.600	1.512	1.724	9.67
34) C MTBE	2.180	2.201	2.348	1.972	1.931	1.989	1.904	1.803	2.041	8.96
35) C vinyl acetate			2.114	1.953	1.959	2.056	2.059	2.051	2.032	3.12
36) C 2-butanone		1.816	1.867	1.660	1.618	1.682	1.576	1.544	1.681	7.16



Initial Calibration Summary

Form 6

Air Volatiles

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Instrument ID : AIRLAB19
 Calibration dates : 03/23/25 23:58 03/24/25 04:43

Lab Number : L2525337
 Project Number : 170447
 Ical Ref : ICAL22124

Calibration Files

0.2 =r1933401.D 0.5 =r1933402.D 1.0 =r1933403.D 5.0 =r1933404.D 10 =r1933405.D 20 =r1933406.D
 50 =r1933407.D 100 =r1933408.D

	Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
37)	cis-1,2-dichloroethene	1.427	1.434	1.519	1.260	1.217	1.246	1.174	1.086	1.295	11.49
38)	Ethyl Acetate	0.359	0.366	0.390	0.340	0.334	0.347	0.324	0.293	0.344	8.42
39) C	chloroform	1.502	1.518	1.568	1.308	1.251	1.241	1.124	1.003	1.314	15.31
40)	Tetrahydrofuran	1.032	1.007	1.053	0.892	0.876	0.921	0.924	0.931	0.954	6.97
41)	2,2-dichloropropane	1.135	1.152	1.212	1.020	0.973	0.985	0.887	0.795	1.020	13.84
42) C	1,2-dichloroethane	1.171	1.102	1.145	0.948	0.893	0.875	0.771	0.679	0.948	18.90
43) I	1,4-difluorobenzene	-----ISTD-----									
44) C	hexane	1.013	0.749	0.707	0.561	0.535	0.516	0.436	0.361	0.610	33.96#
45)	diisopropyl ether	0.333	0.326	0.337	0.280	0.267	0.263	0.233	0.205	0.281	17.27
46)	tert-butyl ethyl ether	1.194	1.185	1.242	1.040	1.002	0.984	0.868	0.762	1.035	16.19
47) s	1,2-dichloroethane-D4	0.219	0.223	0.278	0.259	0.244	0.216	0.185	0.174	0.225	15.62
48) C	1,1,1-trichloroethane	0.495	0.495	0.520	0.431	0.406	0.386	0.329	0.303	0.421	18.99
49)	1,1-dichloropropene	0.424	0.414	0.436	0.365	0.354	0.356	0.328	0.307	0.373	12.54
50) C	benzene	1.031	0.984	1.020	0.856	0.828	0.823	0.767	0.721	0.879	13.45
51)	thiophene	0.707	0.721	0.743	0.835	0.802	0.586	0.532	0.485	0.676	18.88
52) C	carbon tetrachloride	0.380	0.394	0.401	0.340	0.325	0.310	0.264	0.226	0.330	18.99
53)	cyclohexane	0.680	0.685	0.700	0.583	0.555	0.548	0.492	0.444	0.586	16.24
54)	tert-amyl methyl ether	0.886	0.887	0.930	0.795	0.775	0.783	0.728	0.679	0.808	10.69
55)	dibromomethane	0.329	0.327	0.340	0.277	0.266	0.258	0.226	0.196	0.277	18.69
56) C	1,2-dichloropropane	0.441	0.433	0.451	0.382	0.372	0.370	0.345	0.312	0.388	12.73
57)	bromodichloromethane	0.523	0.510	0.544	0.444	0.426	0.410	0.356	0.312	0.441	18.60
58) C	1,4-dioxane	0.240	0.236	0.255	0.210	0.205	0.203	0.186	0.168	0.213	13.64
59) C	trichloroethene	0.448	0.440	0.459	0.379	0.364	0.357	0.322	0.287	0.382	16.32
60) C	2,2,4-trimethylpentane	2.058	2.030	2.106	1.753	1.676	1.623	1.425	1.223	1.737	18.25
61)	methyl methacrylate		0.395	0.429	0.373	0.373	0.376	0.354	0.333	0.376	8.11
62)	heptane	0.616	0.614	0.632	0.534	0.516	0.516	0.483	0.454	0.546	12.26
63) C	cis-1,3-dichloropropene	0.457	0.473	0.492	0.430	0.417	0.415	0.389	0.364	0.430	9.96
64) C	4-methyl-2-pentanone		0.696	0.740	0.637	0.614	0.617	0.572	0.537	0.630	11.02
65)	trans-1,3-dichloropropene	0.330	0.353	0.361	0.320	0.314	0.312	0.288	0.268	0.318	9.66
66) C	1,1,2-trichloroethane	0.433	0.418	0.430	0.369	0.355	0.346	0.317	0.287	0.369	14.57
67) I	chlorobenzene-D5	-----ISTD-----									
68) C	toluene	8.140	7.743	8.094	6.730	6.603	6.782	6.526	6.133	7.094	10.96
69) s	toluene-D8	4.961	5.112	6.354	5.983	5.929	5.767	5.872	6.493	5.809	9.25
70)	2-methylthiophene	6.397	6.541	6.936	7.957	7.774	5.911	5.833	5.469	6.602	13.69
71)	1,3-dichloropropane	3.301	3.275	3.506	2.844	2.869	3.015	3.050	3.016	3.110	7.40
72)	2-hexanone	3.571	3.726	4.142	3.616	3.668	3.867	3.861	3.820	3.784	4.82



Initial Calibration Summary

Form 6

Air Volatiles

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Instrument ID : AIRLAB19
 Calibration dates : 03/23/25 23:58 03/24/25 04:43

Lab Number : L2525337
 Project Number : 170447
 Ical Ref : ICAL22124

Calibration Files

0.2 =r1933401.D 0.5 =r1933402.D 1.0 =r1933403.D 5.0 =r1933404.D 10 =r1933405.D 20 =r1933406.D
 50 =r1933407.D 100 =r1933408.D

	Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
73)	3-methylthiophene	6.715	6.894	7.375	8.427	8.365	6.243	5.986	5.457	6.933	15.50
74)	dibromochloromethane	3.120	3.196	3.420	2.811	2.807	2.853	2.707	2.535	2.931	9.88
75) C	1,2-dibromoethane	3.181	3.315	3.531	2.963	3.018	3.126	3.143	2.982	3.157	6.04
76)	butyl acetate		0.867	0.941	0.854	0.893	0.975	1.020	1.038	0.941	7.79
77)	octane	3.008	2.999	3.135	2.594	2.580	2.677	2.596	2.465	2.757	9.09
78) C	tetrachloroethene	3.571	3.526	3.710	2.773	2.771	2.826	2.748	2.446	3.046	15.66
79)	1,1,1,2-tetrachloroethane	2.633	2.595	2.721	2.252	2.196	2.251	2.035	1.795	2.310	13.84
80) C	chlorobenzene	5.586	5.713	6.095	5.050	5.127	5.322	5.162	4.607	5.333	8.59
81) C	ethylbenzene	0.976	1.002	1.047	0.882	0.870	0.880	0.815	0.740	0.901	11.29
82)	2-ethylthiophene	7.398	7.616	8.259	9.516	9.367	6.956	6.440	5.783	7.667	17.29
83) C	m+p-xylene	8.065	8.104	8.662	7.213	7.022	6.934	6.206	5.339	7.193	15.10
84) C	bromoform	2.611	2.822	3.018	2.580	2.585	2.629	2.537	2.317	2.637	7.83
85) C	styrene	5.672	6.084	6.614	5.786	5.861	6.118	6.047	5.630	5.977	5.31
86) C	1,1,2,2-tetrachloroethane	5.058	5.196	5.590	4.556	4.552	4.527	4.194	3.781	4.682	12.34
87) C	o-xylene	8.090	8.253	8.689	7.099	6.869	6.671	5.697	4.789	7.020	18.91
88)	1,2,3-trichloropropane	3.671	3.645	3.973	3.286	3.298	3.439	3.418	3.359	3.511	6.72
89)	nonane	5.110	5.299	5.708	4.749	4.734	4.986	4.925	4.722	5.029	6.77
90) s	bromofluorobenzene	3.394	3.593	4.467	4.251	4.255	4.135	4.239	4.780	4.139	10.83
91) C	isopropylbenzene	0.995	1.024	1.101	0.919	0.914	0.957	0.891	0.784	0.948	10.06
92)	bromobenzene	4.903	4.973	5.446	4.439	4.440	4.546	4.417	4.205	4.671	8.68
93)	2-chlorotoluene	2.751	2.791	3.014	2.485	2.476	2.563	2.557	2.381	2.627	7.94
94)	n-propylbenzene	2.967	3.138	3.425	2.867	2.865	3.020	2.937	2.765	2.998	6.86
95)	4-chlorotoluene	2.689	2.780	3.029	2.547	2.507	2.597	2.511	2.445	2.638	7.25
96)	4-ethyl toluene	0.928	0.965	1.062	0.906	0.912	0.948	0.899	0.804	0.928	7.80
97)	1,3,5-trimethylbenzene	8.366	8.693	9.339	7.884	7.918	8.172	7.462	6.535	8.046	10.37
98)	tert-butylbenzene	0.930	0.935	1.008	0.812	0.791	0.791	0.678	0.555	0.813	18.13
99)	1,2,4-trimethylbenzene	8.230	8.648	9.415	7.977	8.107	7.920	6.518		8.116	10.78
100)	decane	8.261	8.667	9.476	7.820	7.755	7.835	6.906	5.995	7.839	13.48
101) C	Benzyl Chloride	4.063	4.652	5.604	5.534	6.193	6.352	5.817	5.193	5.426	14.20
102)	1,3-dichlorobenzene	4.770	5.171	5.850	4.856	5.067	5.152	4.621	3.952	4.930	10.99
103) C	1,4-dichlorobenzene	4.671	4.918	5.497	4.748	4.907	4.960	4.772	4.298	4.847	6.94
104)	sec-butylbenzene	1.221	1.279	1.378	1.152	1.161	1.203	1.102	0.955	1.181	10.55
105)	1,2,3-trimethylbenzene	0.881	0.911	1.005	0.827	0.832	0.812	0.651	0.523	0.805	18.87
106)	p-isopropyltoluene	1.030	1.064	1.178	0.944	0.944	0.926	0.766	0.620	0.934	18.66
107)	1,2-dichlorobenzene	4.641	4.880	5.371	4.505	4.632	4.723	4.365	4.020	4.642	8.45
108)	n-butylbenzene	8.672	9.088	9.916	8.047	8.136	8.035	7.072	6.486	8.181	13.24



Initial Calibration Summary

Form 6

Air Volatiles

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Instrument ID : AIRLAB19
 Calibration dates : 03/23/25 23:58 03/24/25 04:43

Lab Number : L2525337
 Project Number : 170447
 Ical Ref : ICAL22124

Calibration Files

0.2 =r1933401.D 0.5 =r1933402.D 1.0 =r1933403.D 5.0 =r1933404.D 10 =r1933405.D 20 =r1933406.D
 50 =r1933407.D 100 =r1933408.D

	Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
109)	indan	6.533	6.919	7.626	6.014	6.075	6.569	6.241	5.833	6.476	8.99
110)	indene	4.532	4.893	5.628	4.525	4.771	5.221	5.093	4.956	4.952	7.42
111) C	1,2-dibromo-3-chloropr...	1.652	1.768	1.992	1.663	1.741	1.696	1.573	1.542	1.703	8.18
112)	undecane	0.783	0.898	1.003	0.819	0.815	0.779	0.662	0.566	0.791	16.91
113)	1,2,4,5-tetramethylben...	3.500	3.804	4.314	5.843	6.403	4.055	3.551	3.487	4.370	25.85
114)	dodecane	8.104	8.183	9.375	7.671	7.982	6.508	6.136	5.373	7.416	17.60
115) C	1,2,4-trichlorobenzene	2.173	2.566	3.157	2.835	3.243	3.078	3.017	2.911	2.873	12.26
116)	naphthalene	6.236	7.332	8.877	7.755	8.631	8.049	8.156	7.891	7.866	10.40
117)	1,2,3-trichlorobenzene	2.589	2.775	3.292	2.805	3.095	2.754	2.897	2.823	2.879	7.62
118)	benzothiophene	1.962	2.458	3.139	4.040	4.702	3.195	3.526	3.782	3.351	26.00
119) C	hexachlorobutadiene	3.516	3.819	4.184	3.310	3.380	2.922	2.478	2.065	3.209	21.66
120)	2-methylnaphthalene			0.275	0.478	0.721	0.379	0.391	0.485	0.455	33.27#
121)	1-methylnaphthalene			0.448	0.708	0.985	0.469	0.442	0.536	0.598	35.82#



Response Factor Report

Method Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
Method File : TFS19_250323.M
Title : T0-14A/T0-15 SIM/Full Scan Analysis
Last Update : Sun Mar 30 07:46:23 2025
Response Via : Initial Calibration

Calibration Files

0.2 =r1933401.D 0.5 =r1933402.D 1.0 =r1933403.D 5.0 =r1933404.D 10 =r1933405.D 20 =r1933406.D
50 =r1933407.D 100 =r1933408.D

Compound		0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
-----ISTD-----											
1) I	bromochloromethane										
2)	chlorodifluoro...	1.155	1.115	1.148	0.924	0.879	0.905	0.825	0.776	0.966	15.67
3)	propylene	0.910	0.854	0.734	0.704	0.767	0.755	0.759	0.783		9.24
4)	propane	0.961	0.972	0.807	0.753	0.764	0.723	0.669	0.807		14.47
5)	dichlorodifluo...	1.563	1.580	1.622	1.350	1.258	1.198	1.092	0.974	1.330	18.16
6) C	chloromethane	0.616	0.568	0.566	0.478	0.471	0.466	0.441	0.439	0.506	13.32
7)	Freon-114	1.442	1.422	1.482	1.227	1.146	1.123	1.010	0.885	1.217	17.82
8) C	methanol		0.348	0.261	0.243	0.241	0.222	0.204	0.253		19.97
9) C	vinyl chloride	0.831	0.808	0.850	0.717	0.678	0.669	0.619	0.557	0.716	14.72
10) C	1,3-butadiene	0.566	0.585	0.605	0.727	0.482	0.485	0.701	0.417	0.571	18.93
11)	butane	1.212	1.148	1.197	1.251	0.935	0.966	1.261	0.884	1.107	13.83
12) C	acetaldehyde		0.302	0.293	0.222	0.207	0.200	0.178	0.159	0.223	24.60
13) C	bromomethane	0.800	0.798	0.830	0.698	0.671	0.684	0.644	0.596	0.715	11.78
14) C	chloroethane	0.617	0.614	0.630	0.539	0.528	0.551	0.556	0.551	0.573	7.01
15)	ethanol		0.854	0.613	0.558	0.584	0.548	0.429	0.598		23.48
16)	dichlorofluoro...	1.854	1.854	1.944	1.602	1.555	1.727	1.571	1.267	1.672	13.10
17) C	vinyl bromide	0.759	0.739	0.773	0.655	0.648	0.682	0.665	0.632	0.694	7.89
18) C	acrolein		0.511	0.536	0.462	0.454	0.470	0.454	0.435	0.475	7.50
19)	acetone	1.361	1.232	1.236	0.995	0.953	0.963	0.877	0.793	1.051	19.02
20) C	acetonitrile	0.916	0.921	1.014	0.855	0.834	0.886	0.906	0.904	0.905	5.92
21)	trichlorofluor...	1.489	1.513	1.568	1.287	1.221	1.197	1.050	0.921	1.281	18.03
22)	isopropyl alcohol	1.393	1.207	1.311	1.130	1.139	1.211	1.182	1.135	1.214	7.72
23) C	acrylonitrile	0.742	0.764	0.812	0.704	0.684	0.705	0.684	0.660	0.720	6.95
24)	pentane	1.837	1.793	1.887	1.546	1.510	1.593	1.548	1.740	1.682	8.88
25)	ethyl ether	1.668	1.669	1.721	1.418	1.551	1.582	1.243	1.381	1.529	10.90
26) C	1,1-dichloroet...	1.500	1.463	1.529	1.290	1.243	1.259	1.166	1.061	1.314	12.78
27)	tertiary butyl...		1.939	2.097	1.840	1.853	1.989	1.843	1.712	1.896	6.55
28) C	methylene chlo...		0.921	0.933	0.790	0.762	0.765	0.722	0.691	0.798	11.80
29) C	3-chloropropene	1.276	1.304	1.364	1.163	1.152	1.204	1.207	1.204	1.234	5.96
30) C	carbon disulfide	2.406	2.387	2.522	2.114	2.054	2.120	2.028	1.860	2.186	10.37
31)	Freon 113	1.697	1.654	1.714	1.442	1.397	1.409	1.285	1.113	1.464	14.51

Response Factor Report

Method Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
Method File : TFS19_250323.M
Title : T0-14A/T0-15 SIM/Full Scan Analysis
Last Update : Sun Mar 30 07:46:23 2025
Response Via : Initial Calibration

Calibration Files

0.2 =r1933401.D 0.5 =r1933402.D 1.0 =r1933403.D 5.0 =r1933404.D 10 =r1933405.D 20 =r1933406.D
50 =r1933407.D 100 =r1933408.D

Compound		0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
32)	trans-1,2-dich...	1.427	1.458	1.516	1.300	1.260	1.285	1.221	1.120	1.323	10.06
33) C	1,1-dichloroet...	1.897	1.878	1.972	1.657	1.620	1.659	1.600	1.512	1.724	9.67
34) C	MTBE	2.180	2.201	2.348	1.972	1.931	1.989	1.904	1.803	2.041	8.96
35) C	vinyl acetate		2.114	1.953	1.959	2.056	2.059	2.051	2.032		3.12
36) C	2-butanone	1.816	1.867	1.660	1.618	1.682	1.576	1.544	1.681		7.16
37)	cis-1,2-dichlo...	1.427	1.434	1.519	1.260	1.217	1.246	1.174	1.086	1.295	11.49
38)	Ethyl Acetate	0.359	0.366	0.390	0.340	0.334	0.347	0.324	0.293	0.344	8.42
39) C	chloroform	1.502	1.518	1.568	1.308	1.251	1.241	1.124	1.003	1.314	15.31
40)	Tetrahydrofuran	1.032	1.007	1.053	0.892	0.876	0.921	0.924	0.931	0.954	6.97
41)	2,2-dichloropr...	1.135	1.152	1.212	1.020	0.973	0.985	0.887	0.795	1.020	13.84
42) C	1,2-dichloroet...	1.171	1.102	1.145	0.948	0.893	0.875	0.771	0.679	0.948	18.90
43) I	1,4-difluorobenzene	-----ISTD-----									
44) C	hexane	1.013	0.749	0.707	0.561	0.535	0.516	0.436	0.361	0.610	33.96#
45)	diisopropyl ether	0.333	0.326	0.337	0.280	0.267	0.263	0.233	0.205	0.281	17.27
46)	tert-butyl eth...	1.194	1.185	1.242	1.040	1.002	0.984	0.868	0.762	1.035	16.19
47) s	1,2-dichloroet...	0.219	0.223	0.278	0.259	0.244	0.216	0.185	0.174	0.225	15.62
48) C	1,1,1-trichlor...	0.495	0.495	0.520	0.431	0.406	0.386	0.329	0.303	0.421	18.99
49)	1,1-dichloropr...	0.424	0.414	0.436	0.365	0.354	0.356	0.328	0.307	0.373	12.54
50) C	benzene	1.031	0.984	1.020	0.856	0.828	0.823	0.767	0.721	0.879	13.45
51)	thiophene	0.707	0.721	0.743	0.835	0.802	0.586	0.532	0.485	0.676	18.88
52) C	carbon tetrach...	0.380	0.394	0.401	0.340	0.325	0.310	0.264	0.226	0.330	18.99
53)	cyclohexane	0.680	0.685	0.700	0.583	0.555	0.548	0.492	0.444	0.586	16.24
54)	tert-amyl meth...	0.886	0.887	0.930	0.795	0.775	0.783	0.728	0.679	0.808	10.69
55)	dibromomethane	0.329	0.327	0.340	0.277	0.266	0.258	0.226	0.196	0.277	18.69
56) C	1,2-dichloropr...	0.441	0.433	0.451	0.382	0.372	0.370	0.345	0.312	0.388	12.73
57)	bromodichlorom...	0.523	0.510	0.544	0.444	0.426	0.410	0.356	0.312	0.441	18.60
58) C	1,4-dioxane	0.240	0.236	0.255	0.210	0.205	0.203	0.186	0.168	0.213	13.64
59) C	trichloroethene	0.448	0.440	0.459	0.379	0.364	0.357	0.322	0.287	0.382	16.32
60) C	2,2,4-trimethy...	2.058	2.030	2.106	1.753	1.676	1.623	1.425	1.223	1.737	18.25
61)	methyl methacr...		0.395	0.429	0.373	0.373	0.376	0.354	0.333	0.376	8.11
62)	heptane	0.616	0.614	0.632	0.534	0.516	0.516	0.483	0.454	0.546	12.26

Response Factor Report

Method Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
Method File : TFS19_250323.M
Title : T0-14A/T0-15 SIM/Full Scan Analysis
Last Update : Sun Mar 30 07:46:23 2025
Response Via : Initial Calibration

Calibration Files

0.2 =r1933401.D 0.5 =r1933402.D 1.0 =r1933403.D 5.0 =r1933404.D 10 =r1933405.D 20 =r1933406.D
50 =r1933407.D 100 =r1933408.D

	Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
63)	C cis-1,3-dichlo...	0.457	0.473	0.492	0.430	0.417	0.415	0.389	0.364	0.430	9.96
64)	C 4-methyl-2-pen...		0.696	0.740	0.637	0.614	0.617	0.572	0.537	0.630	11.02
65)	trans-1,3-dich...	0.330	0.353	0.361	0.320	0.314	0.312	0.288	0.268	0.318	9.66
66)	C 1,1,2-trichlor...	0.433	0.418	0.430	0.369	0.355	0.346	0.317	0.287	0.369	14.57
67)	I chlorobenzene-D5	-----ISTD-----									
68)	C toluene	8.140	7.743	8.094	6.730	6.603	6.782	6.526	6.133	7.094	10.96
69)	s toluene-D8	4.961	5.112	6.354	5.983	5.929	5.767	5.872	6.493	5.809	9.25
70)	2-methylthiophene	6.397	6.541	6.936	7.957	7.774	5.911	5.833	5.469	6.602	13.69
71)	1,3-dichloropr...	3.301	3.275	3.506	2.844	2.869	3.015	3.050	3.016	3.110	7.40
72)	2-hexanone	3.571	3.726	4.142	3.616	3.668	3.867	3.861	3.820	3.784	4.82
73)	3-methylthiophene	6.715	6.894	7.375	8.427	8.365	6.243	5.986	5.457	6.933	15.50
74)	dibromochlorom...	3.120	3.196	3.420	2.811	2.807	2.853	2.707	2.535	2.931	9.88
75)	C 1,2-dibromoethane	3.181	3.315	3.531	2.963	3.018	3.126	3.143	2.982	3.157	6.04
76)	butyl acetate		0.867	0.941	0.854	0.893	0.975	1.020	1.038	0.941	7.79
77)	octane	3.008	2.999	3.135	2.594	2.580	2.677	2.596	2.465	2.757	9.09
78)	C tetrachloroethene	3.571	3.526	3.710	2.773	2.771	2.826	2.748	2.446	3.046	15.66
79)	1,1,1,2-tetrac...	2.633	2.595	2.721	2.252	2.196	2.251	2.035	1.795	2.310	13.84
80)	C chlorobenzene	5.586	5.713	6.095	5.050	5.127	5.322	5.162	4.607	5.333	8.59
81)	C ethylbenzene	0.976	1.002	1.047	0.882	0.870	0.880	0.815	0.740	0.901	11.29
82)	2-ethylthiophene	7.398	7.616	8.259	9.516	9.367	6.956	6.440	5.783	7.667	17.29
83)	C m+p-xylene	8.065	8.104	8.662	7.213	7.022	6.934	6.206	5.339	7.193	15.10
84)	C bromoform	2.611	2.822	3.018	2.580	2.585	2.629	2.537	2.317	2.637	7.83
85)	C styrene	5.672	6.084	6.614	5.786	5.861	6.118	6.047	5.630	5.977	5.31
86)	C 1,1,2,2-tetrac...	5.058	5.196	5.590	4.556	4.552	4.527	4.194	3.781	4.682	12.34
87)	C o-xylene	8.090	8.253	8.689	7.099	6.869	6.671	5.697	4.789	7.020	18.91
88)	1,2,3-trichlor...	3.671	3.645	3.973	3.286	3.298	3.439	3.418	3.359	3.511	6.72
89)	nonane	5.110	5.299	5.708	4.749	4.734	4.986	4.925	4.722	5.029	6.77
90)	s bromofluoroben...	3.394	3.593	4.467	4.251	4.255	4.135	4.239	4.780	4.139	10.83
91)	C isopropylbenzene	0.995	1.024	1.101	0.919	0.914	0.957	0.891	0.784	0.948	10.06
92)	bromobenzene	4.903	4.973	5.446	4.439	4.440	4.546	4.417	4.205	4.671	8.68
93)	2-chlorotoluene	2.751	2.791	3.014	2.485	2.476	2.563	2.557	2.381	2.627	7.94

Response Factor Report

Method Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
Method File : TFS19_250323.M
Title : T0-14A/T0-15 SIM/Full Scan Analysis
Last Update : Sun Mar 30 07:46:23 2025
Response Via : Initial Calibration

Calibration Files

0.2 =r1933401.D 0.5 =r1933402.D 1.0 =r1933403.D 5.0 =r1933404.D 10 =r1933405.D 20 =r1933406.D
50 =r1933407.D 100 =r1933408.D

	Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
94)	n-propylbenzene	2.967	3.138	3.425	2.867	2.865	3.020	2.937	2.765	2.998	6.86
95)	4-chlorotoluene	2.689	2.780	3.029	2.547	2.507	2.597	2.511	2.445	2.638	7.25
96)	4-ethyl toluene	0.928	0.965	1.062	0.906	0.912	0.948	0.899	0.804	0.928	7.80
97)	1,3,5-trimethy...	8.366	8.693	9.339	7.884	7.918	8.172	7.462	6.535	8.046	10.37
98)	tert-butylbenzene	0.930	0.935	1.008	0.812	0.791	0.791	0.678	0.555	0.813	18.13
99)	1,2,4-trimethy...	8.230	8.648	9.415	7.977	8.107	7.920	6.518		8.116	10.78
100)	decane	8.261	8.667	9.476	7.820	7.755	7.835	6.906	5.995	7.839	13.48
101) C	Benzyl Chloride	4.063	4.652	5.604	5.534	6.193	6.352	5.817	5.193	5.426	14.20
102)	1,3-dichlorobe...	4.770	5.171	5.850	4.856	5.067	5.152	4.621	3.952	4.930	10.99
103) C	1,4-dichlorobe...	4.671	4.918	5.497	4.748	4.907	4.960	4.772	4.298	4.847	6.94
104)	sec-butylbenzene	1.221	1.279	1.378	1.152	1.161	1.203	1.102	0.955	1.181	10.55
105)	1,2,3-trimethy...	0.881	0.911	1.005	0.827	0.832	0.812	0.651	0.523	0.805	18.87
106)	p-isopropyltol...	1.030	1.064	1.178	0.944	0.944	0.926	0.766	0.620	0.934	18.66
107)	1,2-dichlorobe...	4.641	4.880	5.371	4.505	4.632	4.723	4.365	4.020	4.642	8.45
108)	n-butylbenzene	8.672	9.088	9.916	8.047	8.136	8.035	7.072	6.486	8.181	13.24
109)	indan	6.533	6.919	7.626	6.014	6.075	6.569	6.241	5.833	6.476	8.99
110)	indene	4.532	4.893	5.628	4.525	4.771	5.221	5.093	4.956	4.952	7.42
111) C	1,2-dibromo-3-...	1.652	1.768	1.992	1.663	1.741	1.696	1.573	1.542	1.703	8.18
112)	undecane	0.783	0.898	1.003	0.819	0.815	0.779	0.662	0.566	0.791	16.91
113)	1,2,4,5-tetram...	3.500	3.804	4.314	5.843	6.403	4.055	3.551	3.487	4.370	25.85
114)	dodecane	8.104	8.183	9.375	7.671	7.982	6.508	6.136	5.373	7.416	17.60
115) C	1,2,4-trichlor...	2.173	2.566	3.157	2.835	3.243	3.078	3.017	2.911	2.873	12.26
116)	naphthalene	6.236	7.332	8.877	7.755	8.631	8.049	8.156	7.891	7.866	10.40
117)	1,2,3-trichlor...	2.589	2.775	3.292	2.805	3.095	2.754	2.897	2.823	2.879	7.62
118)	benzothiophene	1.962	2.458	3.139	4.040	4.702	3.195	3.526	3.782	3.351	26.00
119) C	hexachlorobuta...	3.516	3.819	4.184	3.310	3.380	2.922	2.478	2.065	3.209	21.66
120)	2-methylnaphth...			0.275	0.478	0.721	0.379	0.391	0.485	0.455	33.27#
121)	1-methylnaphth...			0.448	0.708	0.985	0.469	0.442	0.536	0.598	35.82#

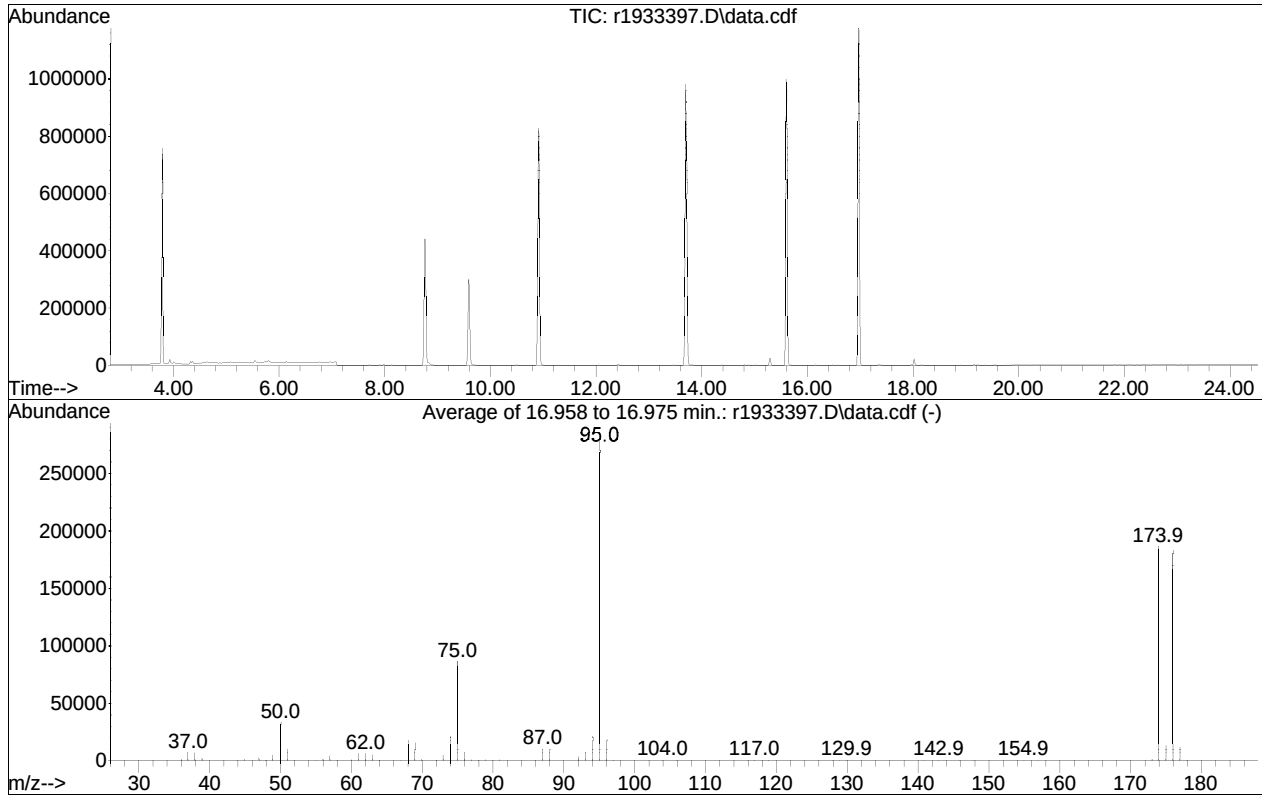
(#) = Out of Range

BFB

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933397.D
 Acq On : 23 Mar 2025 9:23 PM
 Operator : AIRLAB19:JJT
 Sample : WG2044552-1, 250, 250
 Misc : WG2044552, 250 mL
 ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Title : T0-14A/T0-15 SIM/Full Scan Analysis
 Last Update : Mon Mar 24 16:55:38 2025



Spectrum Information: Average of 16.958 to 16.975 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	11.8	33080	PASS
75	95	30	66	30.9	86473	PASS
95	95	100	100	100.0	279550	PASS
96	95	5	9	6.5	18218	PASS
173	174	0.00	2	0.7	1335	PASS
174	95	50	120	66.7	186421	PASS
175	174	4	9	7.3	13571	PASS
176	174	93	101	98.0	182673	PASS
177	176	5	9	6.7	12241	PASS

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933401.D
 Acq On : 23 Mar 2025 11:58 PM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD0.2
 Misc : WG2044552,50 mL SS2-035C
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:51:11 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.775	49	310060	10.000	ppbV	0.00
Standard Area = 302966			Recovery = 102.34%			
43) 1,4-difluorobenzene	10.917	114	910337	10.000	ppbV	0.00
Standard Area = 905308			Recovery = 100.56%			
67) chlorobenzene-D5	15.608	54	151280	10.000	ppbV	0.00
Standard Area = 145207			Recovery = 104.18%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.600	65	199782	9.011	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.11%			
69) toluene-D8	13.708	98	750539	8.367	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 83.67%			
90) bromofluorobenzene	16.975	95	513416	7.976	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 79.76%			
Target Compounds						
					Qvalue	
2) chlorodifluoromethane	3.992	51	7163	0.263	ppbV	100
3) propylene	4.022	41	5849M6	0.268	ppbV	
4) propane	4.040	29	6547	0.280	ppbV	95
5) dichlorodifluoromethane	4.082	85	9692	0.249	ppbV	98
6) chloromethane	4.232	50	3818	0.261	ppbV	96
7) Freon-114	4.322	85	8940	0.252	ppbV	97
8) methanol	4.376	31	14634	1.942	ppbV #	73
9) vinyl chloride	4.430	62	5151	0.245	ppbV	98
10) 1,3-butadiene	4.556	54	3510	0.235	ppbV	97
11) butane	4.604	43	7515	0.259	ppbV	97
12) acetaldehyde	4.340	29	11518	1.794	ppbV	95
13) bromomethane	4.802	94	4964	0.239	ppbV	98
14) chloroethane	4.970	64	3826	0.234	ppbV	94
15) ethanol	5.090	31	28453	1.644	ppbV	98
16) dichlorofluoromethane	5.066	67	11499	0.238	ppbV	100
17) vinyl bromide	5.310	106	4704	0.234	ppbV	99
18) acrolein	5.427	56	3205	0.228	ppbV #	88
19) acetone	5.550	43	42190	1.428	ppbV	99
20) acetonitrile	5.293	41	5680	0.220	ppbV	85
21) trichlorofluoromethane	5.723	101	9236	0.244	ppbV	99
22) isopropyl alcohol	5.803	45	21600	0.612	ppbV	98
23) acrylonitrile	6.017	53	4602	0.217	ppbV	97
24) pentane	6.090	43	11392	0.243	ppbV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933401.D
 Acq On : 23 Mar 2025 11:58 PM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD0.2
 Misc : WG2044552,50 mL SS2-035C
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:51:11 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.113	31	10342	0.215	ppbV	97
26) 1,1-dichloroethene	6.368	61	9303	0.241	ppbV	96
27) tertiary butyl alcohol	6.416	59	11751	0.204	ppbV #	93
28) methylene chloride	6.494	49	6003	0.254	ppbV	95
29) 3-chloropropene	6.620	41	7911	0.221	ppbV	96
30) carbon disulfide	6.782	76	14919	0.234	ppbV #	87
31) Freon 113	6.776	101	10523	0.243	ppbV	97
32) trans-1,2-dichloroethene	7.483	61	8848	0.226	ppbV	97
33) 1,1-dichloroethane	7.692	63	11764	0.234	ppbV	98
34) MTBE	7.767	73	13517	0.226	ppbV	99
35) vinyl acetate	7.875	43	12061	0.199	ppbV	98
36) 2-butanone	8.117	43	11797	0.235	ppbV #	96
37) cis-1,2-dichloroethene	8.592	61	8851	0.235	ppbV	99
38) Ethyl Acetate	8.858	61	2225	0.215	ppbV	87
39) chloroform	8.917	83	9314	0.240	ppbV	99
40) Tetrahydrofuran	9.358	42	6399	0.236	ppbV	98
41) 2,2-dichloropropane	8.942	77	7040	0.233	ppbV	94
42) 1,2-dichloroethane	9.717	62	7264	0.262	ppbV	100
44) hexane	8.842	57	18446	0.379	ppbV #	51
45) diisopropyl ether	8.833	87	6066	0.249	ppbV	86
46) tert-butyl ethyl ether	9.425	59	21737	0.238	ppbV	99
48) 1,1,1-trichloroethane	10.000	97	9012	0.244	ppbV	99
49) 1,1-dichloropropene	10.350	75	7728	0.240	ppbV	94
50) benzene	10.503	78	18768	0.249	ppbV	99
51) thiophene	10.650	84	12875	0.176	ppbV	97
52) carbon tetrachloride	10.670	117	6923	0.234	ppbV	95
53) cyclohexane	10.810	56	12377	0.245	ppbV	97
54) tert-amyl methyl ether	11.183	73	16140	0.229	ppbV	98
55) dibromomethane	11.390	93	5990	0.247	ppbV	95
56) 1,2-dichloropropane	11.423	63	8037	0.238	ppbV	100
57) bromodichloromethane	11.643	83	9524	0.245	ppbV	99
58) 1,4-dioxane	11.697	88	4372	0.234	ppbV	94
59) trichloroethene	11.697	130	8157	0.246	ppbV	97
60) 2,2,4-trimethylpentane	11.743	57	37470M6	0.246	ppbV	
61) methyl methacrylate	11.943	41	7044	0.208	ppbV	99
62) heptane	12.057	43	11223	0.239	ppbV	98
63) cis-1,3-dichloropropene	12.683	75	8315	0.219	ppbV	98
64) 4-methyl-2-pentanone	12.733	43	12329	0.220	ppbV	97
65) trans-1,3-dichloropropene	13.300	75	6004	0.210	ppbV	97
66) 1,1,2-trichloroethane	13.492	97	7878	0.244	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933401.D
 Acq On : 23 Mar 2025 11:58 PM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD0.2
 Misc : WG2044552,50 mL SS2-035C
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:51:11 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	toluene	13.825	91	24629	0.247	ppbV	95
70)	2-methylthiophene	13.892	97	19355M3	0.153	ppbV	
71)	1,3-dichloropropane	13.850	76	9988	0.230	ppbV	97
72)	2-hexanone	14.125	43	10804	0.195	ppbV	96
73)	3-methylthiophene	14.092	97	20316	0.161	ppbV	100
74)	dibromochloromethane	14.283	129	9440	0.222	ppbV	96
75)	1,2-dibromoethane	14.533	107	9623	0.211	ppbV	94
76)	butyl acetate	14.800	73	2412	0.179	ppbV	89
77)	octane	14.892	85	9101	0.233	ppbV	97
78)	tetrachloroethene	15.008	166	10803	0.258	ppbV	96
79)	1,1,1,2-tetrachloroethane	15.633	131	7965	0.240	ppbV	96
80)	chlorobenzene	15.650	112	16902	0.218	ppbV	94
81)	ethylbenzene	16.000	91	29527	0.224	ppbV	97
82)	2-ethylthiophene	16.033	97	22383	0.158	ppbV	98
83)	m+p-xylene	16.167	91	48800	0.459	ppbV	94
84)	bromoform	16.225	173	7901	0.202	ppbV	94
85)	styrene	16.483	104	17161	0.194	ppbV	97
86)	1,1,2,2-tetrachloroethane	16.575	83	15302	0.222	ppbV	96
87)	o-xylene	16.583	91	24478	0.236	ppbV	91
88)	1,2,3-trichloropropane	16.692	75	11107	0.223	ppbV	99
89)	nonane	16.783	43	15460	0.216	ppbV	95
91)	isopropylbenzene	17.092	105	30110	0.218	ppbV	100
92)	bromobenzene	17.167	77	14835	0.221	ppbV	98
93)	2-chlorotoluene	17.500	126	8324	0.222	ppbV	84
94)	n-propylbenzene	17.525	120	8977	0.207	ppbV	88
95)	4-chlorotoluene	17.558	126	8137	0.215	ppbV	97
96)	4-ethyl toluene	17.650	105	28065	0.204	ppbV	98
97)	1,3,5-trimethylbenzene	17.717	105	25312	0.211	ppbV	98
98)	tert-butylbenzene	18.068	119	28135	0.235	ppbV	98
99)	1,2,4-trimethylbenzene	18.068	105	24901	0.203	ppbV #	87
100)	decane	18.160	57	24993	0.213	ppbV	100
101)	Benzyl Chloride	18.193	91	12292	0.131	ppbV	99
102)	1,3-dichlorobenzene	18.202	146	14433	0.188	ppbV	97
103)	1,4-dichlorobenzene	18.268	146	14134	0.190	ppbV	94
104)	sec-butylbenzene	18.302	105	36953	0.210	ppbV	99
105)	1,2,3-trimethylbenzene	18.435	105	26648	0.212	ppbV	98
106)	p-isopropyltoluene	18.435	119	31153	0.218	ppbV	98
107)	1,2-dichlorobenzene	18.552	146	14043	0.200	ppbV	99
108)	n-butylbenzene	18.777	91	26237	0.213	ppbV	97
109)	indan	18.610	117	19765	0.215	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933401.D
 Acq On : 23 Mar 2025 11:58 PM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD0.2
 Misc : WG2044552,50 mL SS2-035C
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:51:11 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

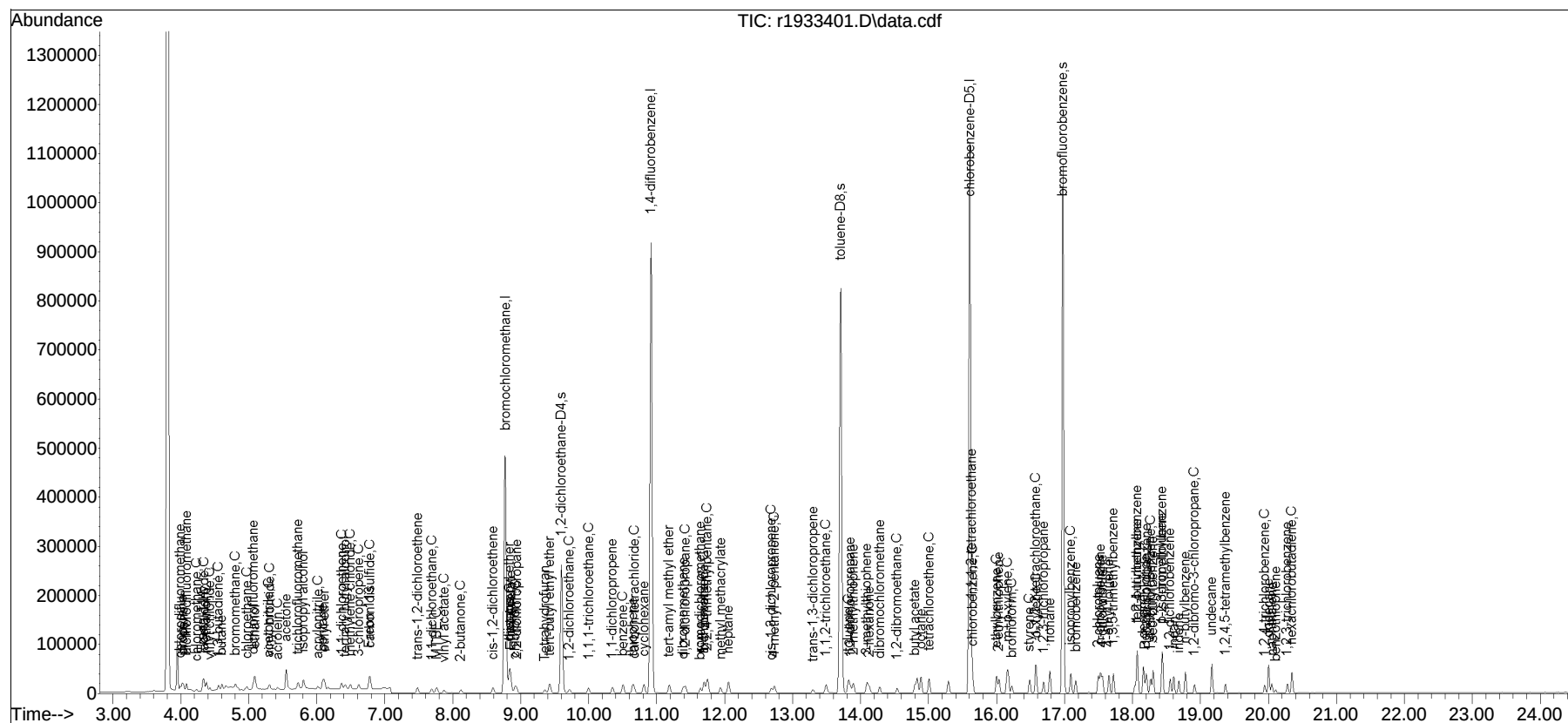
CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110)	indene	18.677	115	13712	0.190	ppbV	98
111)	1,2-dibromo-3-chloropr...	18.910	75	4997	0.190	ppbV	92
112)	undecane	19.168	57	23700	0.192	ppbV	96
113)	1,2,4,5-tetramethylben...	19.368	119	10589	0.109	ppbV	97
114)	dodecane	20.000	57	24518	0.203	ppbV	98
115)	1,2,4-trichlorobenzene	19.942	180	6575	0.134	ppbV	97
116)	naphthalene	20.050	128	18868	0.144	ppbV	100
117)	1,2,3-trichlorobenzene	20.275	180	7832	0.167	ppbV	98
118)	benzothiophene	20.108	134	5936	0.083	ppbV	97
119)	hexachlorobutadiene	20.342	225	10639	0.208	ppbV	96
120)	2-methylnaphthalene	21.075		0	N.D.		
121)	1-methylnaphthalene	21.258		0	N.D.		

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

```
Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
Data File : r1933401.D
Acq On    : 23 Mar 2025  11:58 PM
Operator  : AIRLAB19:JJT
Sample    : IT015-SIMSTD0.2
Misc      : WG2044552, 50 mL SS2-035C
ALS Vial  : 0      Sample Multiplier: 1
```

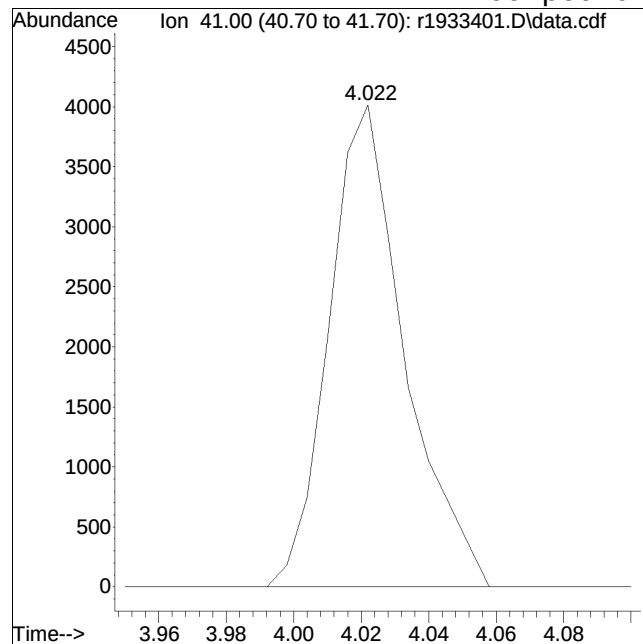
Quant Time: Mar 24 05:51:11 2025
Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Mon Mar 24 05:50:45 2025
Response via : Initial Calibration



Manual Integration Report

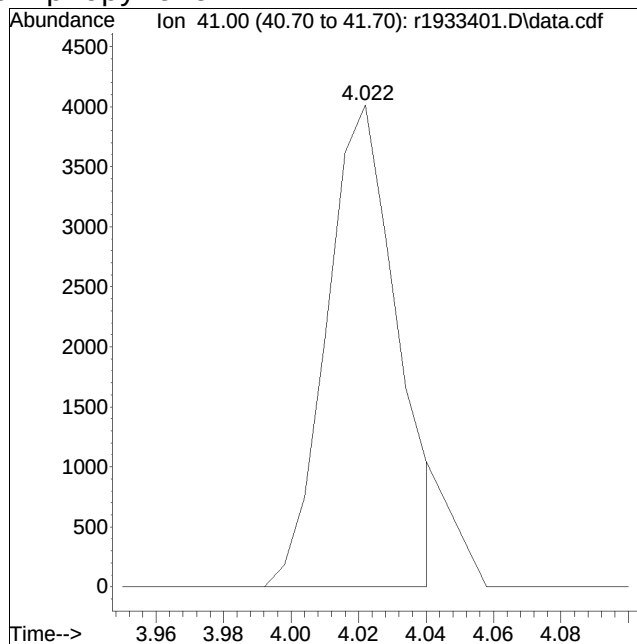
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1933401.D Operator : AIRLAB19:JJT
Date Inj'd : 3/23/2025 11:58 PM Instrument :
Sample : IT015-SIMSTD0.2 Quant Date : 3/24/2025 5:51 am

Compound #3: propylene



Original Peak Response = 6225

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

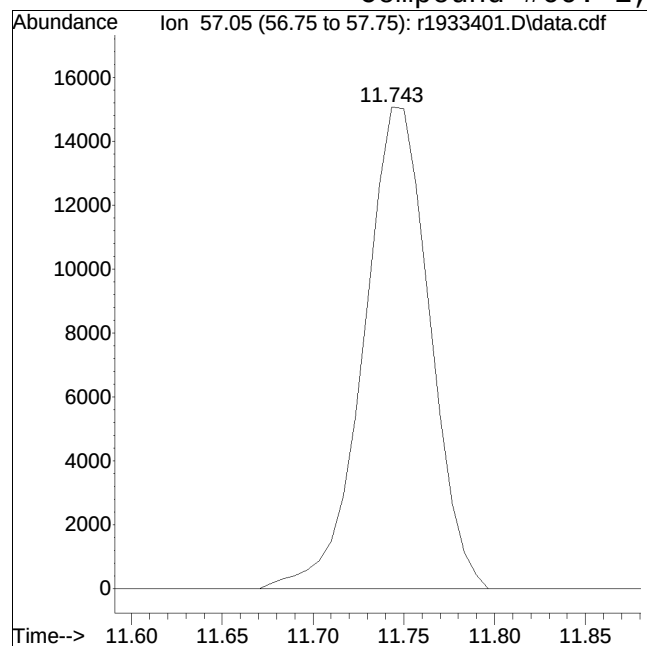


Manual Peak Response = 5849 M6

Manual Integration Report

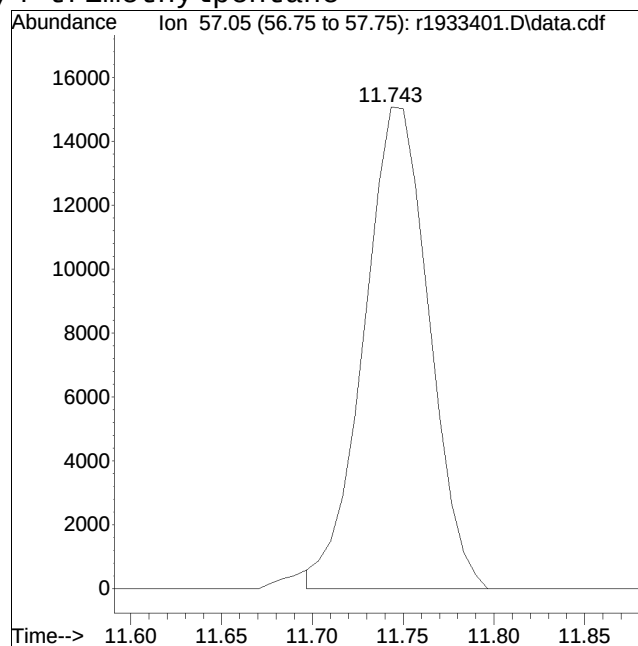
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1933401.D Operator : AIRLAB19:JJT
Date Inj'd : 3/23/2025 11:58 PM Instrument :
Sample : IT015-SIMSTD0.2 Quant Date : 3/24/2025 5:51 am

Compound #60: 2,2,4-trimethylpentane



Original Peak Response = 38068

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

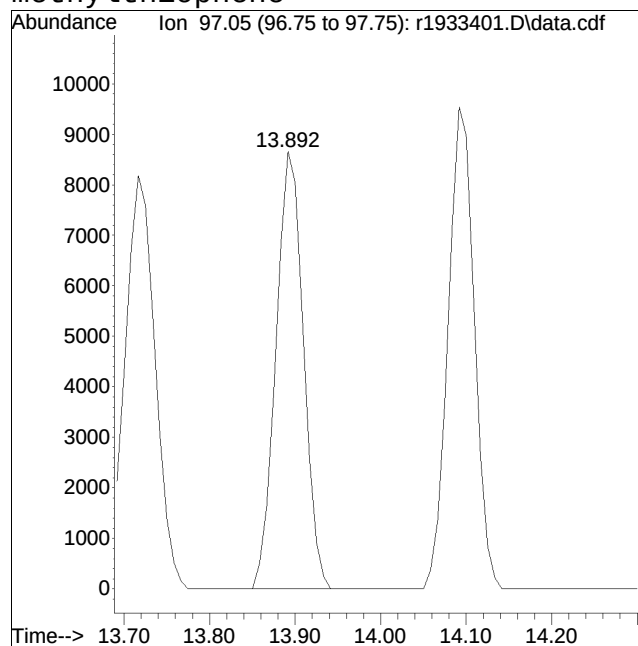
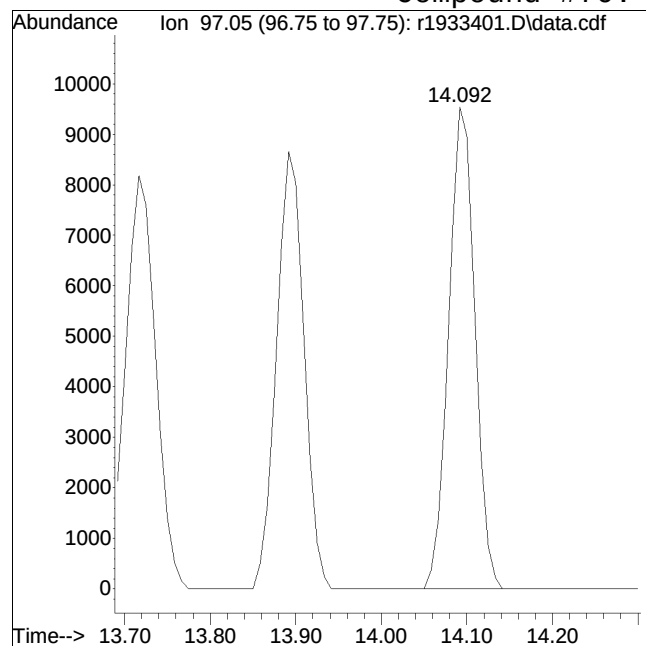


Manual Peak Response = 37470 M6

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1933401.D Operator : AIRLAB19:JJT
Date Inj'd : 3/23/2025 11:58 PM Instrument :
Sample : IT015-SIMSTD0.2 Quant Date : 3/24/2025 5:51 am

Compound #70: 2-methylthiophene



Original Peak Response = 20316

Manual Peak Response = 19355 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933402.D
 Acq On : 24 Mar 2025 12:39 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD0.5
 Misc : WG2044552,125 mL SS24-035C
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:51:22 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.767	49	309175	10.000	ppbV	0.00
Standard Area = 302966			Recovery =	102.05%		
43) 1,4-difluorobenzene	10.917	114	909924	10.000	ppbV	0.00
Standard Area = 905308			Recovery =	100.51%		
67) chlorobenzene-D5	15.608	54	150543	10.000	ppbV	0.00
Standard Area = 145207			Recovery =	103.67%		
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.592	65	203321	9.174	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	91.74%		
69) toluene-D8	13.700	98	769534	8.621	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	86.21%		
90) bromofluorobenzene	16.975	95	540936	8.445	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	84.45%		
Target Compounds						
					Qvalue	
2) chlorodifluoromethane	3.980	51	17235	0.634	ppbV	99
3) propylene	4.010	41	14068M6	0.646	ppbV	
4) propane	4.028	29	14852	0.638	ppbV	97
5) dichlorodifluoromethane	4.070	85	24431	0.628	ppbV	100
6) chloromethane	4.214	50	8777	0.602	ppbV	100
7) Freon-114	4.310	85	21981	0.620	ppbV	100
8) methanol	4.358	31	27635	3.678	ppbV	86
9) vinyl chloride	4.418	62	12490	0.596	ppbV	100
10) 1,3-butadiene	4.544	54	9049	0.607	ppbV	100
11) butane	4.592	43	17752	0.614	ppbV	100
12) acetaldehyde	4.328	29	23308	3.641	ppbV	99
13) bromomethane	4.790	94	12335	0.594	ppbV	97
14) chloroethane	4.958	64	9492	0.581	ppbV	96
15) ethanol	5.072	31	58513	3.390	ppbV	97
16) dichlorofluoromethane	5.054	67	28666	0.596	ppbV	99
17) vinyl bromide	5.297	106	11430	0.571	ppbV	97
18) acrolein	5.407	56	7897	0.563	ppbV	94
19) acetone	5.530	43	95203	3.231	ppbV	98
20) acetonitrile	5.277	41	14240	0.552	ppbV	88
21) trichlorofluoromethane	5.713	101	23392	0.620	ppbV	100
22) isopropyl alcohol	5.783	45	46661	1.325	ppbV	100
23) acrylonitrile	6.000	53	11812	0.559	ppbV	97
24) pentane	6.080	43	27725	0.594	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933402.D
 Acq On : 24 Mar 2025 12:39 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD0.5
 Misc : WG2044552,125 mL SS24-035C
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:51:22 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.097	31	25794	0.538	ppbV	97
26) 1,1-dichloroethene	6.356	61	22612	0.588	ppbV	97
27) tertiary butyl alcohol	6.398	59	29980	0.523	ppbV	96
28) methylene chloride	6.482	49	14242	0.605	ppbV	100
29) 3-chloropropene	6.608	41	20156	0.566	ppbV	96
30) carbon disulfide	6.770	76	36902M3	0.581	ppbV	
31) Freon 113	6.770	101	25571	0.592	ppbV	98
32) trans-1,2-dichloroethene	7.475	61	22542	0.579	ppbV	99
33) 1,1-dichloroethane	7.683	63	29027	0.580	ppbV	99
34) MTBE	7.750	73	34027	0.570	ppbV	99
35) vinyl acetate	7.858	43	29686	0.490	ppbV	99
36) 2-butanone	8.108	43	28072	0.561	ppbV	98
37) cis-1,2-dichloroethene	8.583	61	22161	0.589	ppbV	98
38) Ethyl Acetate	8.850	61	5664	0.549	ppbV	74
39) chloroform	8.908	83	23470	0.607	ppbV	100
40) Tetrahydrofuran	9.342	42	15562	0.574	ppbV	98
41) 2,2-dichloropropane	8.933	77	17814	0.592	ppbV	97
42) 1,2-dichloroethane	9.717	62	17032	0.617	ppbV	98
44) hexane	8.833	57	34092	0.700	ppbV #	72
45) diisopropyl ether	8.825	87	14815	0.609	ppbV	93
46) tert-butyl ethyl ether	9.417	59	53898	0.591	ppbV	98
48) 1,1,1-trichloroethane	9.992	97	22543	0.610	ppbV	99
49) 1,1-dichloropropene	10.343	75	18816	0.584	ppbV	98
50) benzene	10.503	78	44765	0.594	ppbV	99
51) thiophene	10.643	84	32808	0.450	ppbV	98
52) carbon tetrachloride	10.670	117	17940	0.607	ppbV	98
53) cyclohexane	10.810	56	31184	0.618	ppbV	97
54) tert-amyl methyl ether	11.177	73	40338	0.572	ppbV	98
55) dibromomethane	11.390	93	14868	0.614	ppbV	96
56) 1,2-dichloropropane	11.423	63	19688	0.582	ppbV	98
57) bromodichloromethane	11.643	83	23188	0.598	ppbV	97
58) 1,4-dioxane	11.690	88	10735	0.575	ppbV	98
59) trichloroethene	11.697	130	20014	0.604	ppbV	100
60) 2,2,4-trimethylpentane	11.743	57	92343M6	0.605	ppbV	
61) methyl methacrylate	11.937	41	17992	0.530	ppbV	98
62) heptane	12.057	43	27934	0.595	ppbV	98
63) cis-1,3-dichloropropene	12.683	75	21529	0.567	ppbV	98
64) 4-methyl-2-pentanone	12.725	43	31652	0.566	ppbV	99
65) trans-1,3-dichloropropene	13.300	75	16061	0.562	ppbV	99
66) 1,1,2-trichloroethane	13.492	97	19013	0.588	ppbV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933402.D
 Acq On : 24 Mar 2025 12:39 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD0.5
 Misc : WG2044552,125 mL SS24-035C
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:51:22 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	toluene	13.817	91	58284	0.586	ppbV	99
70)	2-methylthiophene	13.892	97	49234M3	0.391	ppbV	
71)	1,3-dichloropropane	13.850	76	24654	0.571	ppbV	100
72)	2-hexanone	14.125	43	28044	0.508	ppbV	96
73)	3-methylthiophene	14.092	97	51894	0.412	ppbV	99
74)	dibromochloromethane	14.283	129	24057	0.569	ppbV	100
75)	1,2-dibromoethane	14.533	107	24949	0.549	ppbV	99
76)	butyl acetate	14.792	73	6527	0.485	ppbV	94
77)	octane	14.883	85	22571	0.581	ppbV	98
78)	tetrachloroethene	15.008	166	26540	0.636	ppbV	96
79)	1,1,1,2-tetrachloroethane	15.633	131	19530	0.591	ppbV	99
80)	chlorobenzene	15.650	112	43005	0.557	ppbV	97
81)	ethylbenzene	16.000	91	75416	0.576	ppbV	97
82)	2-ethylthiophene	16.042	97	57326	0.407	ppbV	97
83)	m+p-xylene	16.167	91	121995	1.154	ppbV	96
84)	bromoform	16.225	173	21240	0.546	ppbV	99
85)	styrene	16.483	104	45798	0.519	ppbV	98
86)	1,1,2,2-tetrachloroethane	16.575	83	39111	0.571	ppbV	99
87)	o-xylene	16.583	91	62125	0.601	ppbV	91
88)	1,2,3-trichloropropane	16.692	75	27436	0.553	ppbV	98
89)	nonane	16.783	43	39884	0.560	ppbV	97
91)	isopropylbenzene	17.092	105	77093	0.560	ppbV	98
92)	bromobenzene	17.167	77	37435	0.560	ppbV	99
93)	2-chlorotoluene	17.500	126	21011	0.564	ppbV	82
94)	n-propylbenzene	17.525	120	23623	0.548	ppbV	92
95)	4-chlorotoluene	17.558	126	20928	0.555	ppbV	94
96)	4-ethyl toluene	17.650	105	72638	0.529	ppbV	99
97)	1,3,5-trimethylbenzene	17.717	105	65430	0.549	ppbV	98
98)	tert-butylbenzene	18.068	119	70350	0.591	ppbV	100
99)	1,2,4-trimethylbenzene	18.068	105	65096	0.533	ppbV	91
100)	decane	18.160	57	65237	0.559	ppbV	100
101)	Benzyl Chloride	18.193	91	35019	0.376	ppbV	98
102)	1,3-dichlorobenzene	18.202	146	38920	0.510	ppbV	98
103)	1,4-dichlorobenzene	18.260	146	37022	0.501	ppbV	98
104)	sec-butylbenzene	18.302	105	96266	0.551	ppbV	99
105)	1,2,3-trimethylbenzene	18.435	105	68561	0.547	ppbV	97
106)	p-isopropyltoluene	18.435	119	80087	0.563	ppbV	98
107)	1,2-dichlorobenzene	18.552	146	36736	0.527	ppbV	97
108)	n-butylbenzene	18.777	91	68410	0.559	ppbV	97
109)	indan	18.602	117	52081	0.569	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933402.D
 Acq On : 24 Mar 2025 12:39 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD0.5
 Misc : WG2044552,125 mL SS24-035C
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:51:22 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

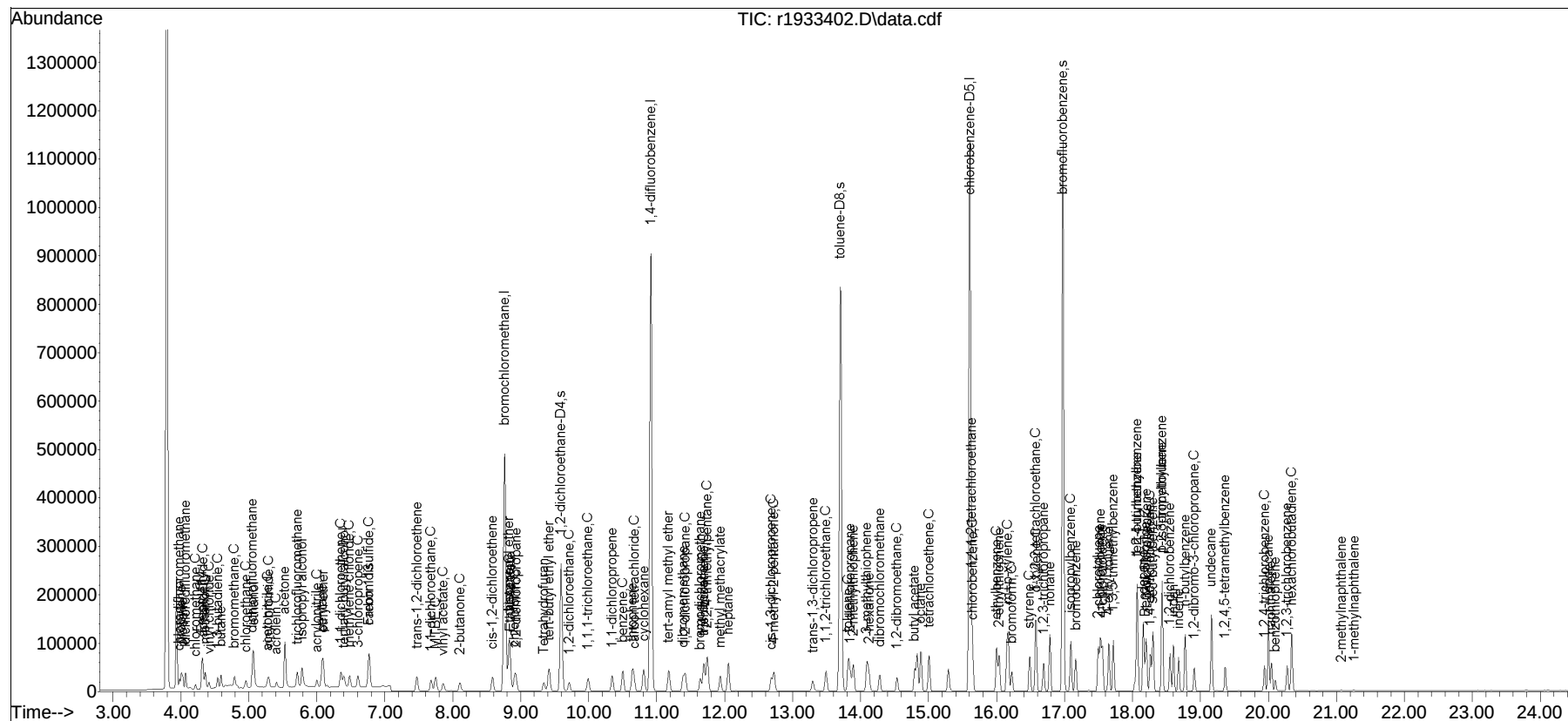
CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110)	indene	18.677	115	36832	0.513	ppbV	99
111)	1,2-dibromo-3-chloropr...	18.910	75	13308	0.508	ppbV	91
112)	undecane	19.160	57	67582	0.551	ppbV	94
113)	1,2,4,5-tetramethylben...	19.360	119	28636	0.297	ppbV	98
114)	dodecane	20.000	57	61598	0.513	ppbV	99
115)	1,2,4-trichlorobenzene	19.942	180	19318	0.396	ppbV	97
116)	naphthalene	20.042	128	55190	0.425	ppbV	100
117)	1,2,3-trichlorobenzene	20.275	180	20886	0.448	ppbV	98
118)	benzothiophene	20.100	134	18504	0.261	ppbV	98
119)	hexachlorobutadiene	20.342	225	28743	0.565	ppbV	95
120)	2-methylnaphthalene	21.075	142	1041	0.096	ppbV #	95
121)	1-methylnaphthalene	21.258	142	1855	0.125	ppbV	98

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

```
Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
Data File : r1933402.D
Acq On    : 24 Mar 2025  12:39 AM
Operator  : AIRLAB19:JJT
Sample    : IT015-SIMSTD0.5
Misc      : WG2044552,125 mL SS24-035C
ALS Vial  : 0      Sample Multiplier: 1
```

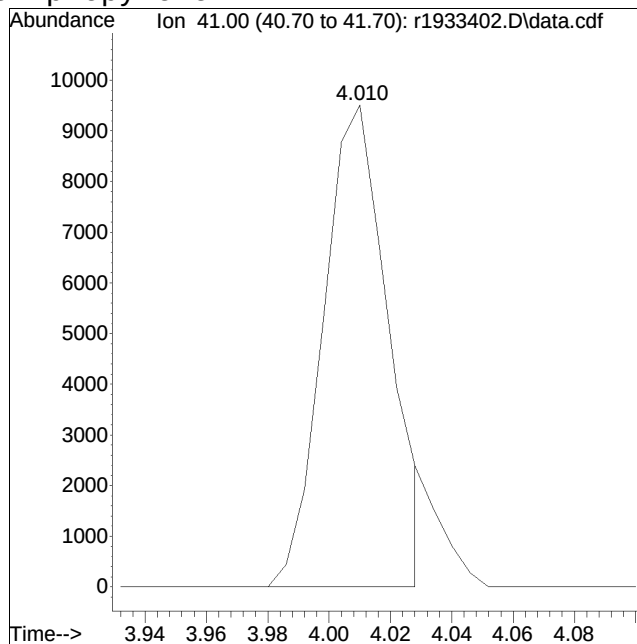
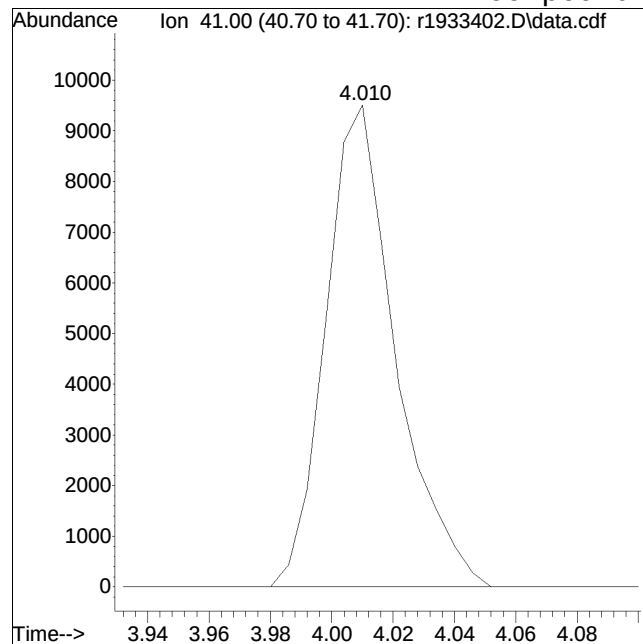
Quant Time: Mar 24 05:51:22 2025
Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Mon Mar 24 05:50:45 2025
Response via : Initial Calibration



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab19\20QMethod : TFS19_250323.M
Data File : r1933402.D Operator : AIRLAB19:JJT
Date Inj'd : 3/24/2025 12:39 AM Instrument :
Sample : IT015-SIMSTD0.5 Quant Date : 3/24/2025 5:51 am

Compound #3: propylene

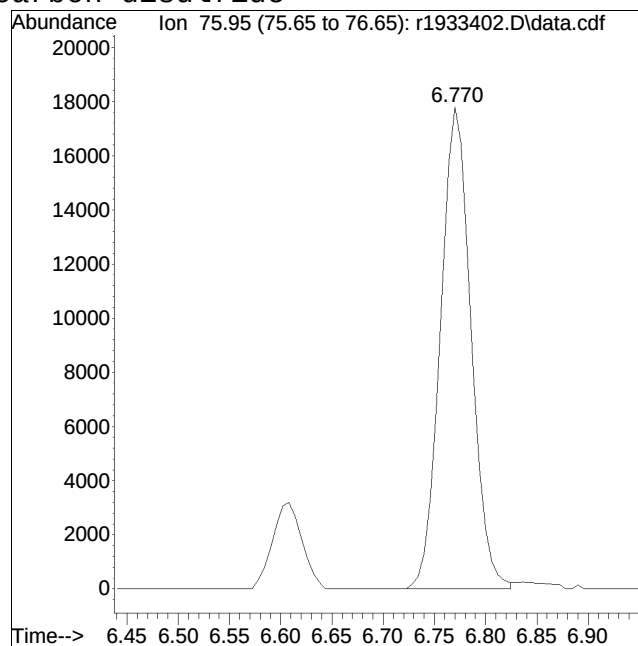
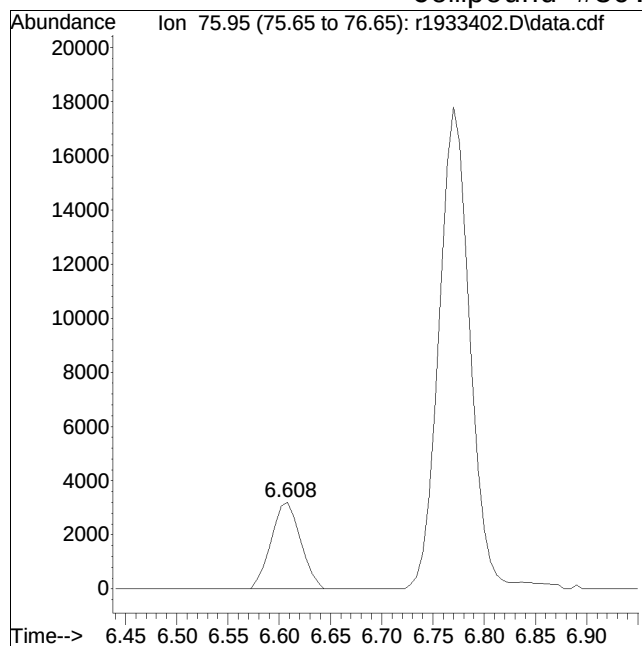


M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1933402.D Operator : AIRLAB19:JJT
Date Inj'd : 3/24/2025 12:39 AM Instrument :
Sample : IT015-SIMSTD0.5 Quant Date : 3/24/2025 5:51 am

Compound #30: carbon disulfide



Original Peak Response = 6399

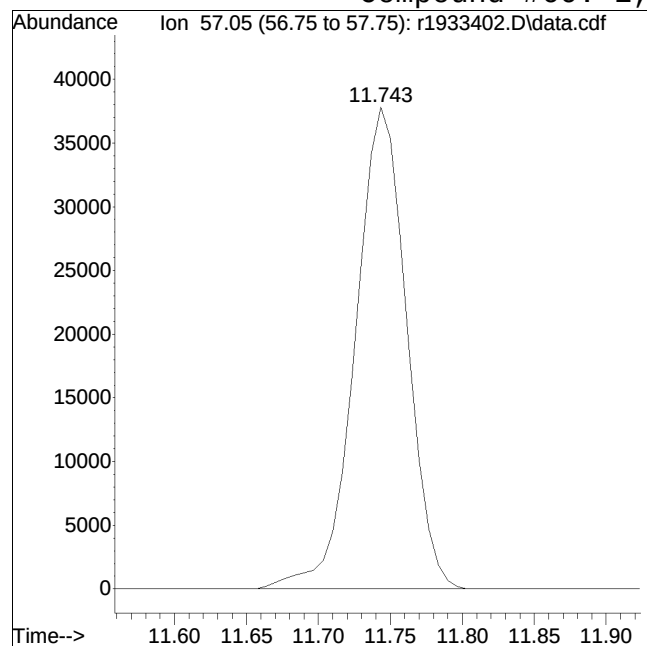
Manual Peak Response = 36902 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

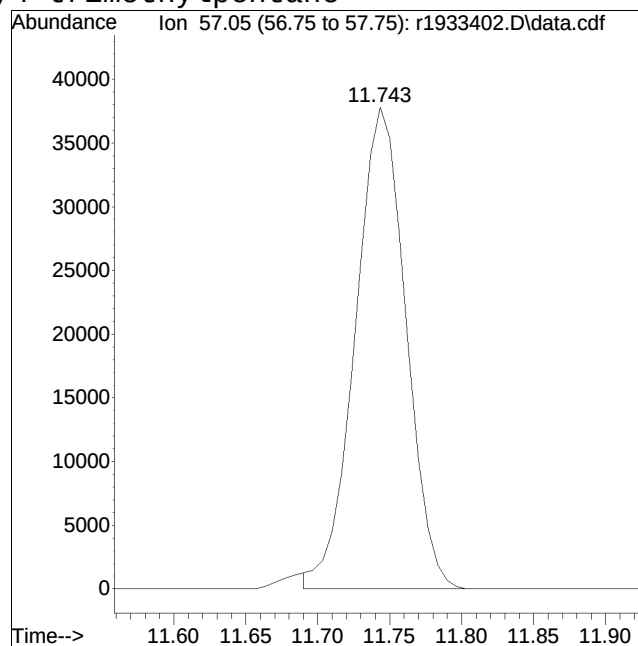
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1933402.D Operator : AIRLAB19:JJT
Date Inj'd : 3/24/2025 12:39 AM Instrument :
Sample : IT015-SIMSTD0.5 Quant Date : 3/24/2025 5:51 am

Compound #60: 2,2,4-trimethylpentane



Original Peak Response = 93899

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

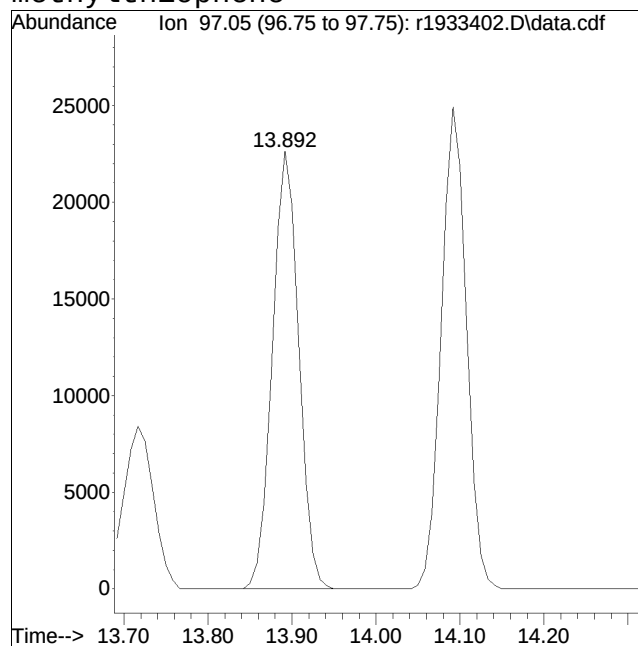
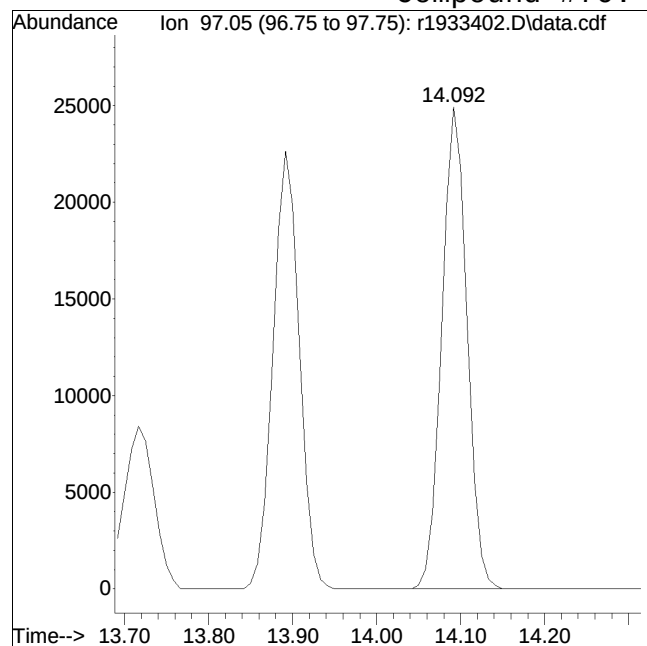


Manual Peak Response = 92343 M6

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1933402.D Operator : AIRLAB19:JJT
Date Inj'd : 3/24/2025 12:39 AM Instrument :
Sample : IT015-SIMSTD0.5 Quant Date : 3/24/2025 5:51 am

Compound #70: 2-methylthiophene



Original Peak Response = 51894

Manual Peak Response = 49234 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933403.D
 Acq On : 24 Mar 2025 1:20 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD1.0
 Misc : WG2044552,250 mL SS24-035C
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:51:32 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.767	49	288404	10.000	ppbV	0.00
Standard Area = 302966			Recovery =	95.19%		
43) 1,4-difluorobenzene	10.917	114	854753	10.000	ppbV	0.00
Standard Area = 905308			Recovery =	94.42%		
67) chlorobenzene-D5	15.608	54	139903	10.000	ppbV	0.00
Standard Area = 145207			Recovery =	96.35%		
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.592	65	237196	11.394	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	113.94%		
69) toluene-D8	13.700	98	888891	10.716	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	107.16%		
90) bromofluorobenzene	16.975	95	624950	10.499	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.99%		
Target Compounds						
					Qvalue	
2) chlorodifluoromethane	3.980	51	33118	1.306	ppbV	100
3) propylene	4.010	41	24643M6	1.213	ppbV	
4) propane	4.028	29	28047	1.291	ppbV	98
5) dichlorodifluoromethane	4.070	85	46778	1.290	ppbV	100
6) chloromethane	4.214	50	16323	1.201	ppbV	99
7) Freon-114	4.310	85	42729	1.293	ppbV	98
8) methanol	4.358	31	50204	7.163	ppbV	92
9) vinyl chloride	4.418	62	24517	1.254	ppbV	100
10) 1,3-butadiene	4.544	54	17457	1.256	ppbV	98
11) butane	4.592	43	34511	1.279	ppbV	100
12) acetaldehyde	4.322	29	42251	7.075	ppbV	99
13) bromomethane	4.790	94	23936	1.237	ppbV	98
14) chloroethane	4.958	64	18176	1.193	ppbV	98
15) ethanol	5.072	31	123131	7.647	ppbV	97
16) dichlorofluoromethane	5.054	67	56057	1.250	ppbV	100
17) vinyl bromide	5.293	106	22307	1.194	ppbV	98
18) acrolein	5.407	56	15452	1.180	ppbV	98
19) acetone	5.530	43	178171	6.482	ppbV	99
20) acetonitrile	5.277	41	29234	1.215	ppbV	98
21) trichlorofluoromethane	5.713	101	45220	1.285	ppbV	99
22) isopropyl alcohol	5.780	45	94535	2.878	ppbV	98
23) acrylonitrile	6.000	53	23418	1.188	ppbV	99
24) pentane	6.077	43	54431	1.250	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933403.D
 Acq On : 24 Mar 2025 1:20 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD1.0
 Misc : WG2044552,250 mL SS24-035C
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:51:32 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.097	31	49628	1.110	ppbV	99
26) 1,1-dichloroethene	6.356	61	44096	1.230	ppbV	99
27) tertiary butyl alcohol	6.392	59	60479	1.131	ppbV	98
28) methylene chloride	6.482	49	26916	1.225	ppbV	98
29) 3-chloropropene	6.608	41	39342	1.184	ppbV	97
30) carbon disulfide	6.770	76	72742	1.228	ppbV	96
31) Freon 113	6.770	101	49421	1.227	ppbV	99
32) trans-1,2-dichloroethene	7.475	61	43731	1.203	ppbV	99
33) 1,1-dichloroethane	7.683	63	56866	1.217	ppbV	100
34) MTBE	7.742	73	67708	1.216	ppbV	100
35) vinyl acetate	7.858	43	60982	1.080	ppbV	99
36) 2-butanone	8.100	43	53842	1.154	ppbV	99
37) cis-1,2-dichloroethene	8.583	61	43813	1.248	ppbV	99
38) Ethyl Acetate	8.842	61	11244	1.168	ppbV	98
39) chloroform	8.908	83	45219	1.253	ppbV	99
40) Tetrahydrofuran	9.333	42	30357	1.201	ppbV	100
41) 2,2-dichloropropane	8.933	77	34959	1.246	ppbV	97
42) 1,2-dichloroethane	9.717	62	33030	1.283	ppbV	99
44) hexane	8.833	57	60452	1.322	ppbV	85
45) diisopropyl ether	8.825	87	28801	1.261	ppbV	99
46) tert-butyl ethyl ether	9.417	59	106180	1.240	ppbV	99
48) 1,1,1-trichloroethane	9.992	97	44430	1.279	ppbV	97
49) 1,1-dichloropropene	10.343	75	37233	1.230	ppbV	98
50) benzene	10.503	78	87194	1.233	ppbV	99
51) thiophene	10.643	84	63540	0.927	ppbV	99
52) carbon tetrachloride	10.670	117	34317	1.237	ppbV	98
53) cyclohexane	10.810	56	59836	1.262	ppbV	99
54) tert-amyl methyl ether	11.177	73	79461	1.199	ppbV	98
55) dibromomethane	11.390	93	29024	1.277	ppbV	97
56) 1,2-dichloropropane	11.423	63	38539	1.213	ppbV	98
57) bromodichloromethane	11.643	83	46492	1.276	ppbV	99
58) 1,4-dioxane	11.683	88	21812	1.244	ppbV	100
59) trichloroethene	11.697	130	39206	1.260	ppbV	100
60) 2,2,4-trimethylpentane	11.743	57	179981M6	1.256	ppbV	
61) methyl methacrylate	11.937	41	36710	1.152	ppbV	99
62) heptane	12.057	43	54035	1.225	ppbV	98
63) cis-1,3-dichloropropene	12.683	75	42083	1.179	ppbV	98
64) 4-methyl-2-pentanone	12.717	43	63264	1.205	ppbV	100
65) trans-1,3-dichloropropene	13.292	75	30856	1.150	ppbV	98
66) 1,1,2-trichloroethane	13.492	97	36756	1.211	ppbV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933403.D
 Acq On : 24 Mar 2025 1:20 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD1.0
 Misc : WG2044552,250 mL SS24-035C
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:51:32 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	13.817	91	113242	1.226	ppbV	100
70) 2-methylthiophene	13.892	97	97030M3	0.829	ppbV	
71) 1,3-dichloropropane	13.850	76	49045	1.222	ppbV	100
72) 2-hexanone	14.117	43	57951	1.129	ppbV	96
73) 3-methylthiophene	14.092	97	103180	0.882	ppbV	100
74) dibromochloromethane	14.275	129	47843	1.218	ppbV	99
75) 1,2-dibromoethane	14.533	107	49402	1.170	ppbV	99
76) butyl acetate	14.792	73	13165	1.054	ppbV	93
77) octane	14.883	85	43857	1.215	ppbV	98
78) tetrachloroethene	15.008	166	51903	1.339	ppbV	97
79) 1,1,1,2-tetrachloroethane	15.625	131	38066	1.239	ppbV	99
80) chlorobenzene	15.642	112	85269	1.189	ppbV	99
81) ethylbenzene	16.000	91	146517	1.204	ppbV	97
82) 2-ethylthiophene	16.033	97	115539	0.882	ppbV	98
83) m+p-xylene	16.158	91	242364	2.467	ppbV	96
84) bromoform	16.225	173	42227	1.168	ppbV	99
85) styrene	16.483	104	92530	1.128	ppbV	99
86) 1,1,2,2-tetrachloroethane	16.575	83	78209	1.228	ppbV	99
87) o-xylene	16.575	91	121566	1.265	ppbV	93
88) 1,2,3-trichloropropane	16.692	75	55590	1.205	ppbV	98
89) nonane	16.783	43	79853	1.206	ppbV	99
91) isopropylbenzene	17.092	105	154101	1.205	ppbV	99
92) bromobenzene	17.158	77	76190	1.227	ppbV	98
93) 2-chlorotoluene	17.492	126	42168	1.217	ppbV	95
94) n-propylbenzene	17.525	120	47911	1.195	ppbV	94
95) 4-chlorotoluene	17.558	126	42377	1.208	ppbV	98
96) 4-ethyl toluene	17.650	105	148584	1.165	ppbV	100
97) 1,3,5-trimethylbenzene	17.717	105	130654	1.179	ppbV	99
98) tert-butylbenzene	18.068	119	140982	1.273	ppbV	98
99) 1,2,4-trimethylbenzene	18.068	105	131724	1.161	ppbV	92
100) decane	18.160	57	132574	1.222	ppbV	98
101) Benzyl Chloride	18.193	91	78397	0.905	ppbV	99
102) 1,3-dichlorobenzene	18.202	146	81840	1.154	ppbV	99
103) 1,4-dichlorobenzene	18.260	146	76906	1.120	ppbV	99
104) sec-butylbenzene	18.302	105	192782	1.187	ppbV	100
105) 1,2,3-trimethylbenzene	18.435	105	140618	1.208	ppbV	98
106) p-isopropyltoluene	18.435	119	164760	1.247	ppbV	99
107) 1,2-dichlorobenzene	18.552	146	75142	1.160	ppbV	99
108) n-butylbenzene	18.777	91	138727	1.219	ppbV	97
109) indan	18.602	117	106685	1.255	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933403.D
 Acq On : 24 Mar 2025 1:20 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD1.0
 Misc : WG2044552,250 mL SS24-035C
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:51:32 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

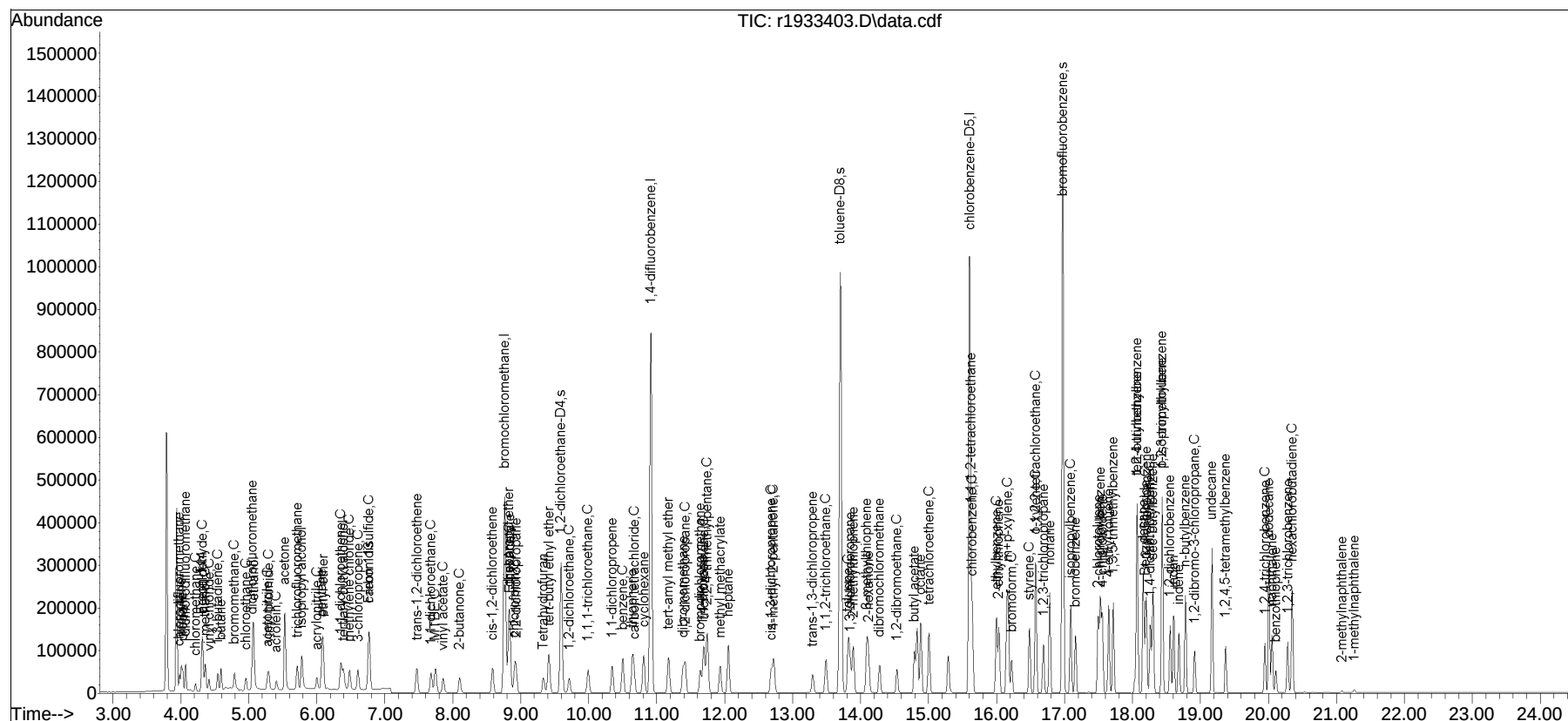
CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110)	indene	18.685	115	78742	1.180	ppbV	98
111)	1,2-dibromo-3-chloropr...	18.918	75	27865	1.144	ppbV	90
112)	undecane	19.168	57	140263	1.230	ppbV	96
113)	1,2,4,5-tetramethylben...	19.368	119	60354	0.674	ppbV	100
114)	dodecane	20.008	57	131166	1.175	ppbV	99
115)	1,2,4-trichlorobenzene	19.950	180	44172	0.973	ppbV	98
116)	naphthalene	20.050	128	124193	1.028	ppbV	100
117)	1,2,3-trichlorobenzene	20.283	180	46058	1.064	ppbV	99
118)	benzothiophene	20.108	134	43918	0.668	ppbV	99
119)	hexachlorobutadiene	20.350	225	58536	1.238	ppbV	94
120)	2-methylnaphthalene	21.083	142	3841	0.381	ppbV	97
121)	1-methylnaphthalene	21.258	142	6273	0.455	ppbV	98

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

```
Data Path   : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
Data File  : r1933403.D
Acq On     : 24 Mar 2025    1:20 AM
Operator   : AIRLAB19:JJT
Sample     : IT015-SIMSTD1.0
Misc       : WG2044552,250 mL SS24-035C
ALS Vial   : 0    Sample Multiplier: 1
```

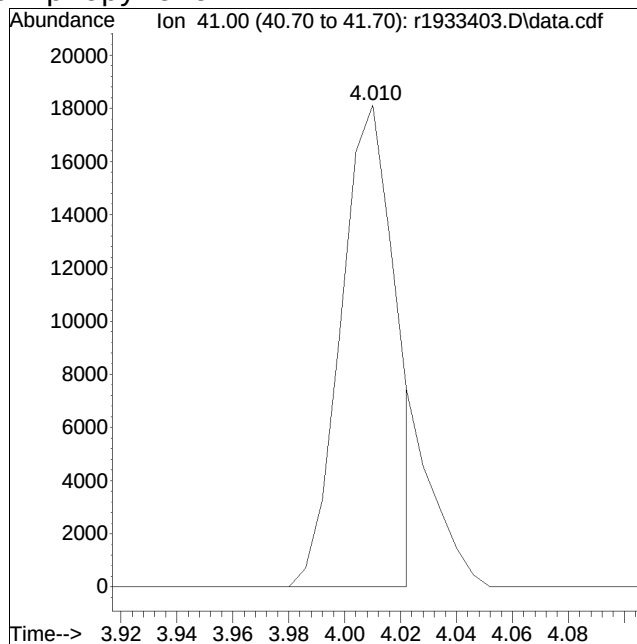
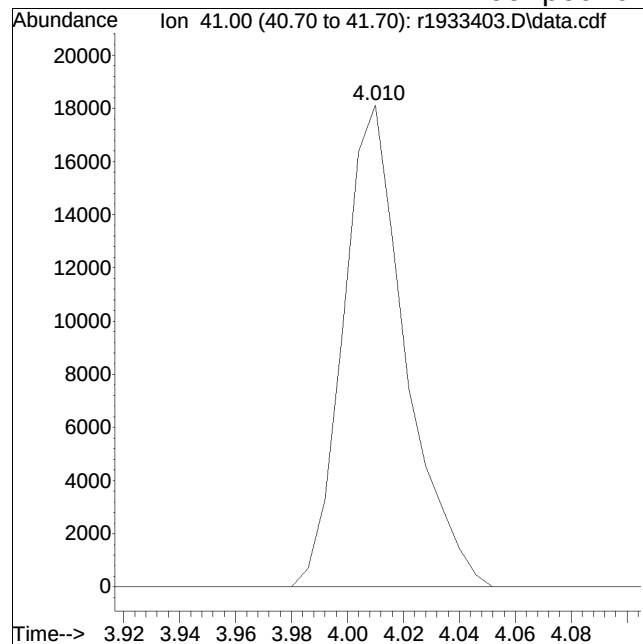
Quant Time: Mar 24 05:51:32 2025
Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Mon Mar 24 05:50:45 2025
Response via : Initial Calibration



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab19\20QMethod : TFS19_250323.M
Data File : r1933403.D Operator : AIRLAB19:JJT
Date Inj'd : 3/24/2025 1:20 AM Instrument :
Sample : IT015-SIMSTD1.0 Quant Date : 3/24/2025 5:51 am

Compound #3: propylene

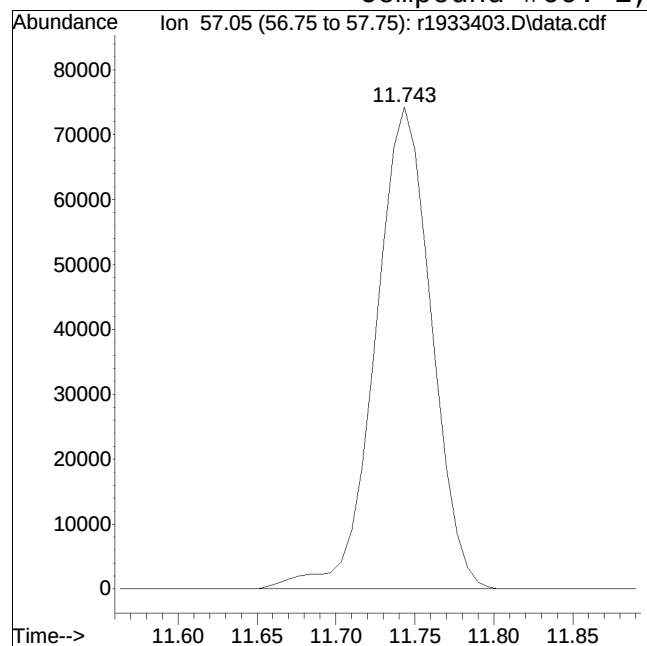


M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

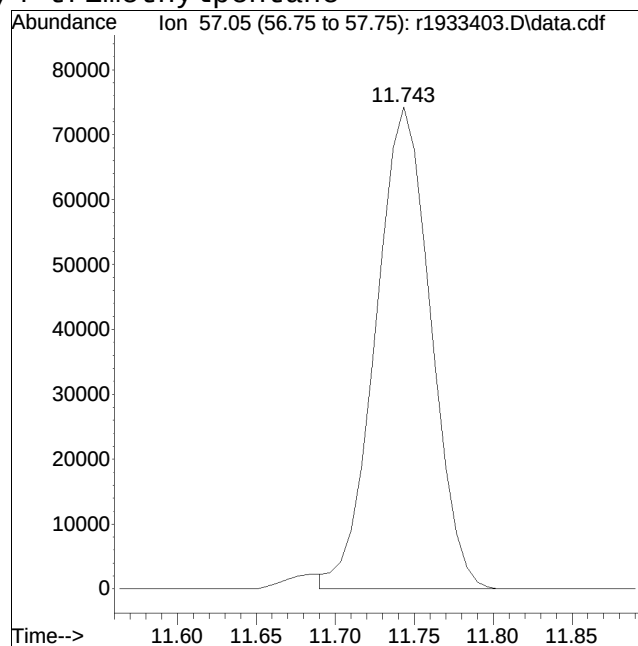
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1933403.D Operator : AIRLAB19:JJT
Date Inj'd : 3/24/2025 1:20 AM Instrument :
Sample : IT015-SIMSTD1.0 Quant Date : 3/24/2025 5:51 am

Compound #60: 2,2,4-trimethylpentane



Original Peak Response = 183724

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

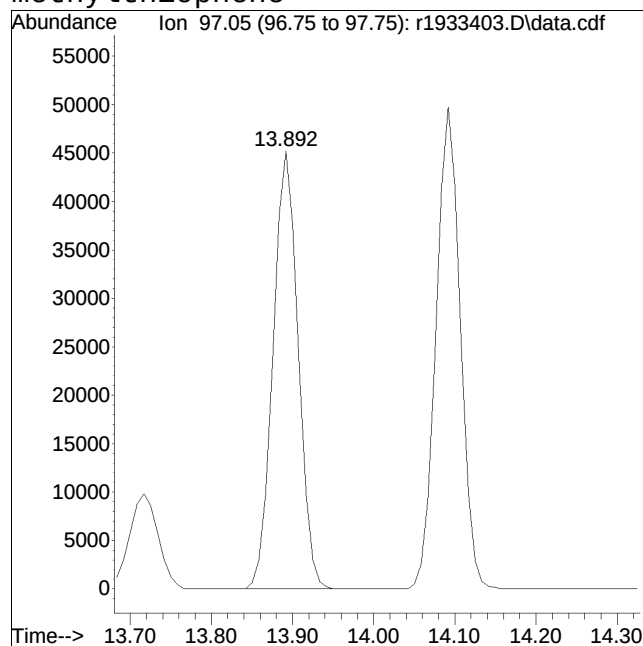
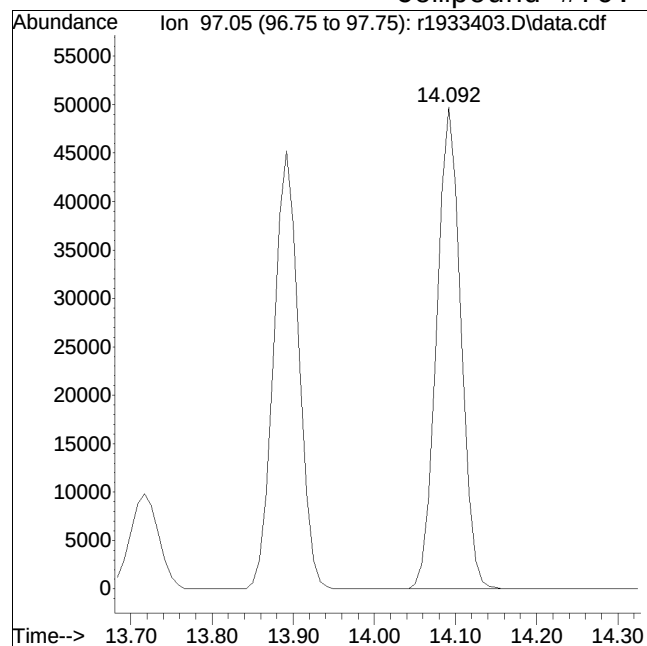


Manual Peak Response = 179981 M6

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1933403.D Operator : AIRLAB19:JJT
Date Inj'd : 3/24/2025 1:20 AM Instrument :
Sample : IT015-SIMSTD1.0 Quant Date : 3/24/2025 5:51 am

Compound #70: 2-methylthiophene



Original Peak Response = 103180

Manual Peak Response = 97030 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933404.D
 Acq On : 24 Mar 2025 2:00 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD5.0
 Misc : WG2044552,125 mL SS24-035B
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:51:42 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.767	49	294865	10.000	ppbV	0.00
Standard Area = 302966			Recovery =		97.33%	
43) 1,4-difluorobenzene	10.917	114	877529	10.000	ppbV	0.00
Standard Area = 905308			Recovery =		96.93%	
67) chlorobenzene-D5	15.608	54	145197	10.000	ppbV	0.00
Standard Area = 145207			Recovery =		99.99%	
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.592	65	227645	10.651	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		106.51%	
69) toluene-D8	13.700	98	868772	10.091	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		100.91%	
90) bromofluorobenzene	16.975	95	617216	9.991	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		99.91%	
Target Compounds						
					Qvalue	
2) chlorodifluoromethane	3.986	51	136168	5.253	ppbV	100
3) propylene	4.010	41	108249M6	5.211	ppbV	
4) propane	4.034	29	119042	5.361	ppbV	98
5) dichlorodifluoromethane	4.076	85	199099	5.369	ppbV	99
6) chloromethane	4.220	50	70409	5.066	ppbV	100
7) Freon-114	4.310	85	180860	5.353	ppbV	99
8) methanol	4.364	31	192228	26.824	ppbV	99
9) vinyl chloride	4.418	62	105754	5.289	ppbV	99
10) 1,3-butadiene	4.544	54	107205	7.545	ppbV	91
11) butane	4.598	43	184407	6.686	ppbV	94
12) acetaldehyde	4.328	29	163798	26.826	ppbV	97
13) bromomethane	4.796	94	102981	5.203	ppbV	97
14) chloroethane	4.958	64	79509	5.105	ppbV	99
15) ethanol	5.072	31	452246	27.470	ppbV	99
16) dichlorofluoromethane	5.060	67	236249	5.152	ppbV	99
17) vinyl bromide	5.300	106	96583	5.055	ppbV	99
18) acrolein	5.407	56	68131	5.089	ppbV	98
19) acetone	5.527	43	733745	26.111	ppbV	98
20) acetonitrile	5.277	41	126113	5.129	ppbV	100
21) trichlorofluoromethane	5.717	101	189812	5.274	ppbV	99
22) isopropyl alcohol	5.777	45	416595	12.404	ppbV	100
23) acrylonitrile	6.003	53	103831	5.150	ppbV	99
24) pentane	6.080	43	227890	5.119	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933404.D
 Acq On : 24 Mar 2025 2:00 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD5.0
 Misc : WG2044552,125 mL SS24-035B
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:51:42 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.093	31	209097	4.573	ppbV	100
26) 1,1-dichloroethene	6.356	61	190152	5.188	ppbV	100
27) tertiary butyl alcohol	6.386	59	271335	4.965	ppbV	99
28) methylene chloride	6.488	49	116517	5.189	ppbV	99
29) 3-chloropropene	6.608	41	171525	5.049	ppbV	99
30) carbon disulfide	6.770	76	311746	5.148	ppbV	100
31) Freon 113	6.770	101	212590	5.162	ppbV	99
32) trans-1,2-dichloroethene	7.475	61	191639	5.157	ppbV	99
33) 1,1-dichloroethane	7.683	63	244289	5.115	ppbV	100
34) MTBE	7.742	73	290709	5.107	ppbV	100
35) vinyl acetate	7.858	43	287977	4.986	ppbV	99
36) 2-butanone	8.100	43	244791	5.131	ppbV	100
37) cis-1,2-dichloroethene	8.592	61	185820	5.178	ppbV	100
38) Ethyl Acetate	8.842	61	50133	5.094	ppbV	89
39) chloroform	8.917	83	192891	5.229	ppbV	99
40) Tetrahydrofuran	9.325	42	131497	5.089	ppbV	99
41) 2,2-dichloropropane	8.933	77	150312	5.238	ppbV	99
42) 1,2-dichloroethane	9.717	62	139714	5.309	ppbV	99
44) hexane	8.833	57	246323	5.246	ppbV	100
45) diisopropyl ether	8.825	87	123045	5.246	ppbV	98
46) tert-butyl ethyl ether	9.408	59	456337	5.192	ppbV	99
48) 1,1,1-trichloroethane	9.992	97	188889	5.298	ppbV	99
49) 1,1-dichloropropene	10.350	75	160203	5.153	ppbV	98
50) benzene	10.503	78	375800	5.175	ppbV	100
51) thiophene	10.643	84	366501	5.208	ppbV	100
52) carbon tetrachloride	10.670	117	149091	5.233	ppbV	98
53) cyclohexane	10.810	56	255772	5.256	ppbV	98
54) tert-amyl methyl ether	11.170	73	348700	5.126	ppbV	99
55) dibromomethane	11.390	93	121427	5.203	ppbV	98
56) 1,2-dichloropropane	11.417	63	167579	5.139	ppbV	99
57) bromodichloromethane	11.643	83	194736	5.205	ppbV	100
58) 1,4-dioxane	11.677	88	91943	5.109	ppbV	98
59) trichloroethene	11.697	130	166196	5.201	ppbV	100
60) 2,2,4-trimethylpentane	11.743	57	769350	5.231	ppbV	99
61) methyl methacrylate	11.930	41	163828	5.008	ppbV	100
62) heptane	12.057	43	234231	5.171	ppbV	99
63) cis-1,3-dichloropropene	12.683	75	188461	5.145	ppbV	99
64) 4-methyl-2-pentanone	12.717	43	279329	5.182	ppbV	100
65) trans-1,3-dichloropropene	13.292	75	140318	5.094	ppbV	99
66) 1,1,2-trichloroethane	13.492	97	161974	5.198	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933404.D
 Acq On : 24 Mar 2025 2:00 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD5.0
 Misc : WG2044552,125 mL SS24-035B
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:51:42 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	13.817	91	488587	5.096	ppbV	100
70) 2-methylthiophene	13.892	97	577648M3	4.756	ppbV	
71) 1,3-dichloropropane	13.850	76	206456	4.955	ppbV	99
72) 2-hexanone	14.108	43	262506	4.930	ppbV	99
73) 3-methylthiophene	14.092	97	611810	5.037	ppbV	100
74) dibromochloromethane	14.275	129	204071	5.007	ppbV	100
75) 1,2-dibromoethane	14.533	107	215087	4.909	ppbV	98
76) butyl acetate	14.792	73	61987	4.780	ppbV	98
77) octane	14.883	85	188323	5.027	ppbV	99
78) tetrachloroethene	15.008	166	201346	5.005	ppbV	97
79) 1,1,1,2-tetrachloroethane	15.633	131	163515	5.129	ppbV	100
80) chlorobenzene	15.642	112	366649	4.925	ppbV	99
81) ethylbenzene	16.000	91	640293	5.070	ppbV	99
82) 2-ethylthiophene	16.033	97	690874	5.079	ppbV	99
83) m+p-xylene	16.167	91	1047294	10.272	ppbV	98
84) bromoform	16.225	173	187279	4.990	ppbV	100
85) styrene	16.483	104	420025	4.936	ppbV	99
86) 1,1,2,2-tetrachloroethane	16.575	83	330751	5.004	ppbV	98
87) o-xylene	16.583	91	515407	5.168	ppbV	96
88) 1,2,3-trichloropropane	16.692	75	238524	4.981	ppbV	100
89) nonane	16.783	43	344772	5.016	ppbV	98
91) isopropylbenzene	17.092	105	667454	5.028	ppbV	100
92) bromobenzene	17.167	77	322242	4.999	ppbV	99
93) 2-chlorotoluene	17.500	126	180430	5.019	ppbV	91
94) n-propylbenzene	17.525	120	208162	5.004	ppbV	98
95) 4-chlorotoluene	17.558	126	184884	5.079	ppbV	99
96) 4-ethyl toluene	17.658	105	657837	4.970	ppbV	99
97) 1,3,5-trimethylbenzene	17.717	105	572392	4.979	ppbV	100
98) tert-butylbenzene	18.068	119	589584	5.131	ppbV	99
99) 1,2,4-trimethylbenzene	18.077	105	579127	4.920	ppbV	100
100) decane	18.160	57	567736	5.042	ppbV	99
101) Benzyl Chloride	18.193	91	401734	4.467	ppbV	100
102) 1,3-dichlorobenzene	18.210	146	352551	4.792	ppbV	99
103) 1,4-dichlorobenzene	18.268	146	344683	4.837	ppbV	99
104) sec-butylbenzene	18.310	105	836407	4.963	ppbV	100
105) 1,2,3-trimethylbenzene	18.443	105	600686	4.973	ppbV	99
106) p-isopropyltoluene	18.443	119	685271	4.997	ppbV	100
107) 1,2-dichlorobenzene	18.552	146	327042	4.863	ppbV	99
108) n-butylbenzene	18.777	91	584205	4.945	ppbV	98
109) indan	18.610	117	436593	4.949	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933404.D
 Acq On : 24 Mar 2025 2:00 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD5.0
 Misc : WG2044552,125 mL SS24-035B
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:51:42 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

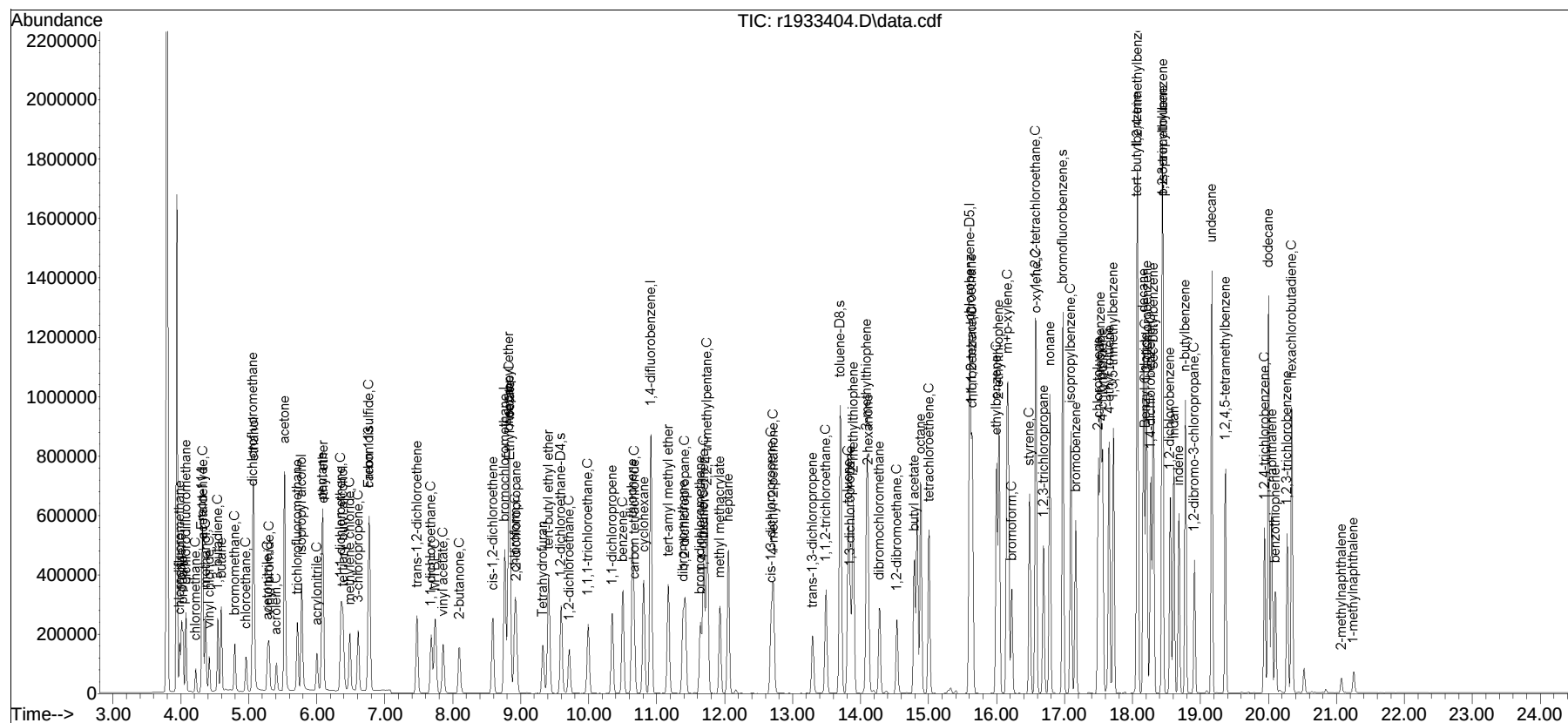
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

110)	indene	18.685	115	328531	4.743	ppbV	98
111)	1,2-dibromo-3-chloropr...	18.910	75	120757	4.777	ppbV	97
112)	undecane	19.168	57	594412	5.023	ppbV	97
113)	1,2,4,5-tetramethylben...	19.368	119	424172	4.562	ppbV	99
114)	dodecane	20.000	57	556904	4.805	ppbV	98
115)	1,2,4-trichlorobenzene	19.942	180	205810	4.370	ppbV	99
116)	naphthalene	20.050	128	562982	4.492	ppbV	99
117)	1,2,3-trichlorobenzene	20.275	180	203668	4.532	ppbV	100
118)	benzothiophene	20.100	134	293262	4.295	ppbV	100
119)	hexachlorobutadiene	20.342	225	240278	4.896	ppbV	97
120)	2-methylnaphthalene	21.075	142	34706	3.316	ppbV	98
121)	1-methylnaphthalene	21.250	142	51373	3.592	ppbV	98

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

```
Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
Data File : r1933404.D
Acq On    : 24 Mar 2025    2:00 AM
Operator  : AIRLAB19:JJT
Sample    : IT015-SIMSTD5.0
Misc      : WG2044552,125 mL SS24-035B
ALS Vial  : 0    Sample Multiplier: 1
```

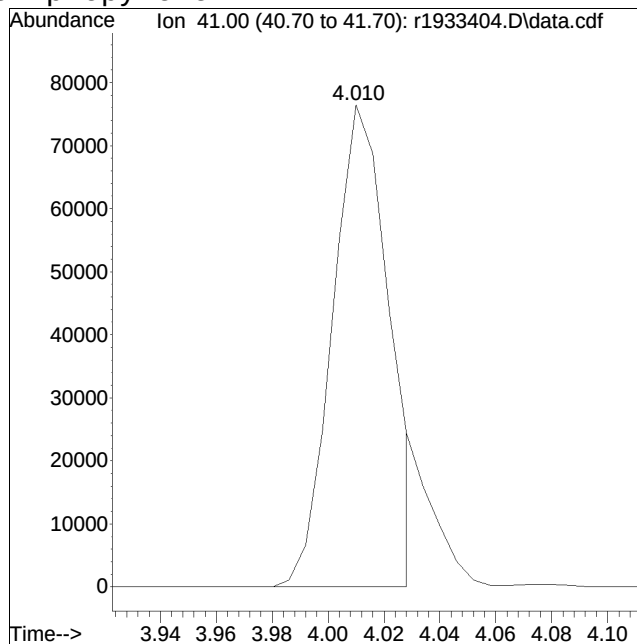
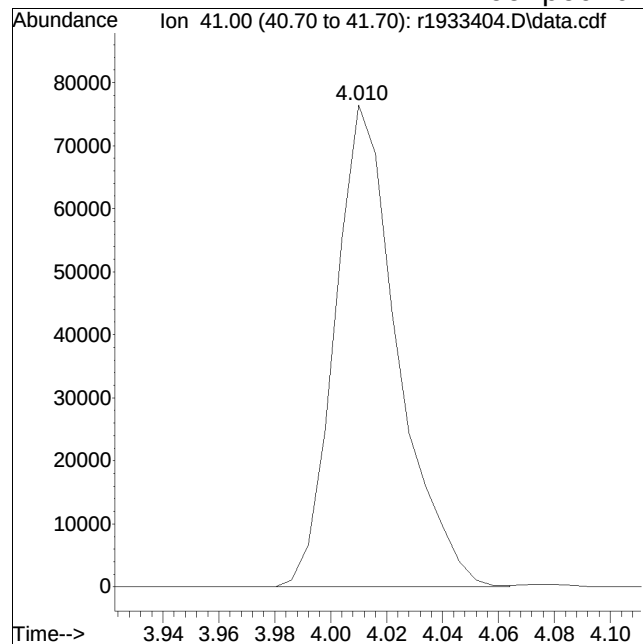
Quant Time: Mar 24 05:51:42 2025
Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Mon Mar 24 05:50:45 2025
Response via : Initial Calibration



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab19\20QMethod : TFS19_250323.M
Data File : r1933404.D Operator : AIRLAB19:JJT
Date Inj'd : 3/24/2025 2:00 AM Instrument :
Sample : IT015-SIMSTD5.0 Quant Date : 3/24/2025 5:51 am

Compound #3: propylene



Original Peak Response = 119493

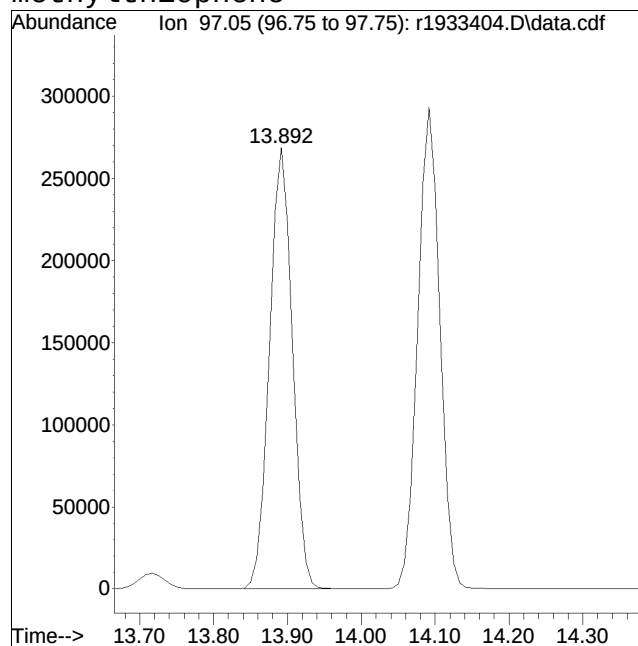
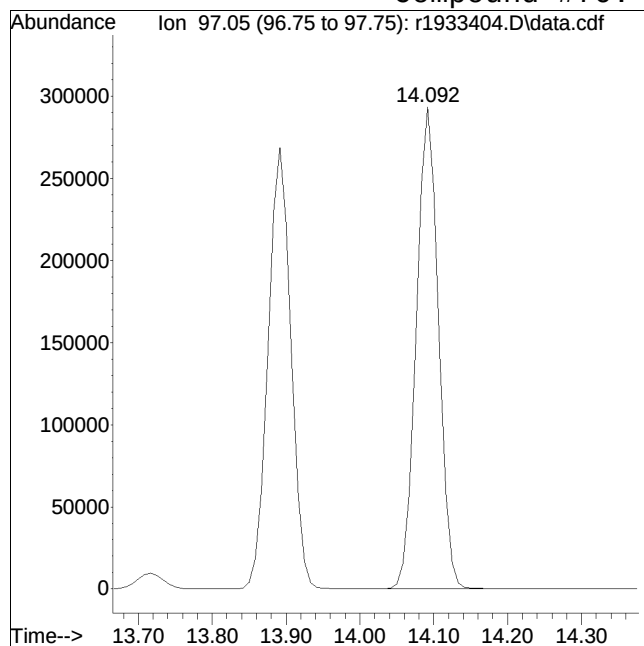
Manual Peak Response = 108249 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1933404.D Operator : AIRLAB19:JJT
Date Inj'd : 3/24/2025 2:00 AM Instrument :
Sample : IT015-SIMSTD5.0 Quant Date : 3/24/2025 5:51 am

Compound #70: 2-methylthiophene



Original Peak Response = 611810

Manual Peak Response = 577648 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933405.D
 Acq On : 24 Mar 2025 2:42 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD010
 Misc : WG2044552,250 mL SS24-035B
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:46:29 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Mar 22 08:31:27 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.775	49	302966	10.000	ppbV	0.00
Standard Area = 302966			Recovery =	100.00%		
43) 1,4-difluorobenzene	10.917	114	905308	10.000	ppbV	0.00
Standard Area = 905308			Recovery =	100.00%		
67) chlorobenzene-D5	15.608	54	145207	10.000	ppbV	0.00
Standard Area = 145207			Recovery =	100.00%		
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.600	65	220493	8.658	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	86.58%		
69) toluene-D8	13.700	98	860966	8.868	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	88.68%		
90) bromofluorobenzene	16.975	95	617838	9.410	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.10%		
Target Compounds						
					Qvalue	
2) chlorodifluoromethane	3.986	51	266362	10.019	ppbV	99
3) propylene	4.010	41	213428M6	10.623	ppbV	
4) propane	4.034	29	228137	9.898	ppbV	94
5) dichlorodifluoromethane	4.076	85	381030	10.305	ppbV	99
6) chloromethane	4.220	50	142795	9.966	ppbV	99
7) Freon-114	4.316	85	347149	9.836	ppbV	99
8) methanol	4.370	31	368154	45.726	ppbV	98
9) vinyl chloride	4.418	62	205448	10.334	ppbV	98
10) 1,3-butadiene	4.544	54	145997	10.827	ppbV	93
11) butane	4.598	43	283395	7.076	ppbV	98
12) acetaldehyde	4.328	29	313684	47.928	ppbV	91
13) bromomethane	4.796	94	203351	10.806	ppbV	99
14) chloroethane	4.964	64	160040	10.129	ppbV	100
15) ethanol	5.078	31	845791	47.007	ppbV	96
16) dichlorofluoromethane	5.060	67	471145	9.676	ppbV	99
17) vinyl bromide	5.300	106	196297	10.855	ppbV	100
18) acrolein	5.410	56	137561	10.167	ppbV	99
19) acetone	5.533	43	1443667	51.456	ppbV	98
20) acetonitrile	5.283	41	252656	9.162	ppbV	99
21) trichlorofluoromethane	5.717	101	369811	9.822	ppbV	100
22) isopropyl alcohol	5.787	45	862735	26.625	ppbV	99
23) acrylonitrile	6.010	53	207151	10.159	ppbV	99
24) pentane	6.083	43	457407	9.369	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933405.D
 Acq On : 24 Mar 2025 2:42 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD010
 Misc : WG2044552,250 mL SS24-035B
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:46:29 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Mar 22 08:31:27 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.097	31	469766	11.207	ppbV	98
26) 1,1-dichloroethene	6.362	61	376592	9.955	ppbV	98
27) tertiary butyl alcohol	6.392	59	561547	10.377	ppbV	100
28) methylene chloride	6.494	49	230730	10.028	ppbV	99
29) 3-chloropropene	6.614	41	349026	10.563	ppbV	98
30) carbon disulfide	6.776	76	622156	10.786	ppbV	98
31) Freon 113	6.776	101	423113	10.057	ppbV	98
32) trans-1,2-dichloroethene	7.483	61	381786	11.116	ppbV	99
33) 1,1-dichloroethane	7.692	63	490671	9.842	ppbV	100
34) MTBE	7.742	73	584927	10.699	ppbV	98
35) vinyl acetate	7.867	43	593399	12.181	ppbV	99
36) 2-butanone	8.100	43	490237	11.292	ppbV	99
37) cis-1,2-dichloroethene	8.592	61	368709	9.985	ppbV	100
38) Ethyl Acetate	8.842	61	101120	11.515	ppbV	92
39) chloroform	8.917	83	378987	9.932	ppbV	99
40) Tetrahydrofuran	9.325	42	265478	10.445	ppbV	99
41) 2,2-dichloropropane	8.942	77	294849	9.714	ppbV	99
42) 1,2-dichloroethane	9.717	62	270407	9.584	ppbV	99
44) hexane	8.833	57	484423	11.451	ppbV	94
45) diisopropyl ether	8.825	87	241955	10.491	ppbV	96
46) tert-butyl ethyl ether	9.417	59	906707	10.361	ppbV	99
48) 1,1,1-trichloroethane	10.000	97	367804	10.247	ppbV	100
49) 1,1-dichloropropene	10.350	75	320739	10.065	ppbV	99
50) benzene	10.503	78	749198	10.068	ppbV	98
51) thiophene	10.650	84	726011	9.223	ppbV	100
52) carbon tetrachloride	10.670	117	293930	10.413	ppbV	97
53) cyclohexane	10.810	56	502010	11.513	ppbV	98
54) tert-amyl methyl ether	11.170	73	701767	9.998	ppbV	97
55) dibromomethane	11.390	93	240766	10.481	ppbV	98
56) 1,2-dichloropropane	11.423	63	336404	10.208	ppbV	99
57) bromodichloromethane	11.643	83	385958	11.522	ppbV	99
58) 1,4-dioxane	11.677	88	185667	11.458	ppbV	99
59) trichloroethene	11.697	130	329634	10.499	ppbV	98
60) 2,2,4-trimethylpentane	11.743	57	1517426	11.704	ppbV	99
61) methyl methacrylate	11.930	41	337514	10.307	ppbV	99
62) heptane	12.057	43	467322	11.076	ppbV	97
63) cis-1,3-dichloropropene	12.683	75	377921	10.207	ppbV	99
64) 4-methyl-2-pentanone	12.717	43	556061	11.425	ppbV	98
65) trans-1,3-dichloropropene	13.300	75	284190	10.242	ppbV	98
66) 1,1,2-trichloroethane	13.492	97	321448	10.401	ppbV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933405.D
 Acq On : 24 Mar 2025 2:42 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD010
 Misc : WG2044552,250 mL SS24-035B
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:46:29 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Mar 22 08:31:27 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	13.817	91	958866	10.042	ppbV	99
70) 2-methylthiophene	13.892	97	1128910M3	8.568	ppbV	
71) 1,3-dichloropropane	13.850	76	416663	9.792	ppbV	100
72) 2-hexanone	14.108	43	532553	11.405	ppbV #	89
73) 3-methylthiophene	14.092	97	1214704	9.220	ppbV	99
74) dibromochloromethane	14.283	129	407615	11.621	ppbV	99
75) 1,2-dibromoethane	14.533	107	438181	10.099	ppbV	99
76) butyl acetate	14.792	73	129698	10.496	ppbV	93
77) octane	14.883	85	374641	10.226	ppbV	98
78) tetrachloroethene	15.008	166	402324	10.115	ppbV	97
79) 1,1,1,2-tetrachloroethane	15.633	131	318813	10.345	ppbV	99
80) chlorobenzene	15.642	112	744491	10.154	ppbV	99
81) ethylbenzene	16.000	91	1262904	10.278	ppbV	96
82) 2-ethylthiophene	16.033	97	1360216	9.352	ppbV	98
83) m+p-xylene	16.167	91	2039266	20.857	ppbV	97
84) bromoform	16.225	173	375319	11.734	ppbV	99
85) styrene	16.483	104	851031	10.348	ppbV	99
86) 1,1,2,2-tetrachloroethane	16.575	83	661025	10.477	ppbV	100
87) o-xylene	16.575	91	997416	10.450	ppbV	95
88) 1,2,3-trichloropropane	16.692	75	478942	9.956	ppbV	99
89) nonane	16.783	43	687417	9.922	ppbV	97
91) isopropylbenzene	17.092	105	1327595	10.200	ppbV	98
92) bromobenzene	17.167	77	644712	10.224	ppbV	97
93) 2-chlorotoluene	17.492	126	359542	10.255	ppbV	85
94) n-propylbenzene	17.525	120	416046	10.411	ppbV	96
95) 4-chlorotoluene	17.558	126	364026	10.457	ppbV	98
96) 4-ethyl toluene	17.650	105	1323650	11.511	ppbV	100
97) 1,3,5-trimethylbenzene	17.717	105	1149745	10.337	ppbV	100
98) tert-butylbenzene	18.068	119	1149060	10.546	ppbV	100
99) 1,2,4-trimethylbenzene	18.068	105	1177125	10.479	ppbV	96
100) decane	18.160	57	1126018	10.762	ppbV	98
101) Benzyl Chloride	18.193	91	899307	13.977	ppbV	100
102) 1,3-dichlorobenzene	18.202	146	735827	11.011	ppbV	99
103) 1,4-dichlorobenzene	18.260	146	712603	10.923	ppbV	99
104) sec-butylbenzene	18.302	105	1685530	10.403	ppbV	100
105) 1,2,3-trimethylbenzene	18.435	105	1208097	10.919	ppbV	99
106) p-isopropyltoluene	18.435	119	1371367	11.018	ppbV	100
107) 1,2-dichlorobenzene	18.552	146	672575	10.765	ppbV	99
108) n-butylbenzene	18.777	91	1181418	10.956	ppbV	97
109) indan	18.602	117	882184	10.005	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933405.D
 Acq On : 24 Mar 2025 2:42 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD010
 Misc : WG2044552,250 mL SS24-035B
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:46:29 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Mar 22 08:31:27 2025
 Response via : Initial Calibration

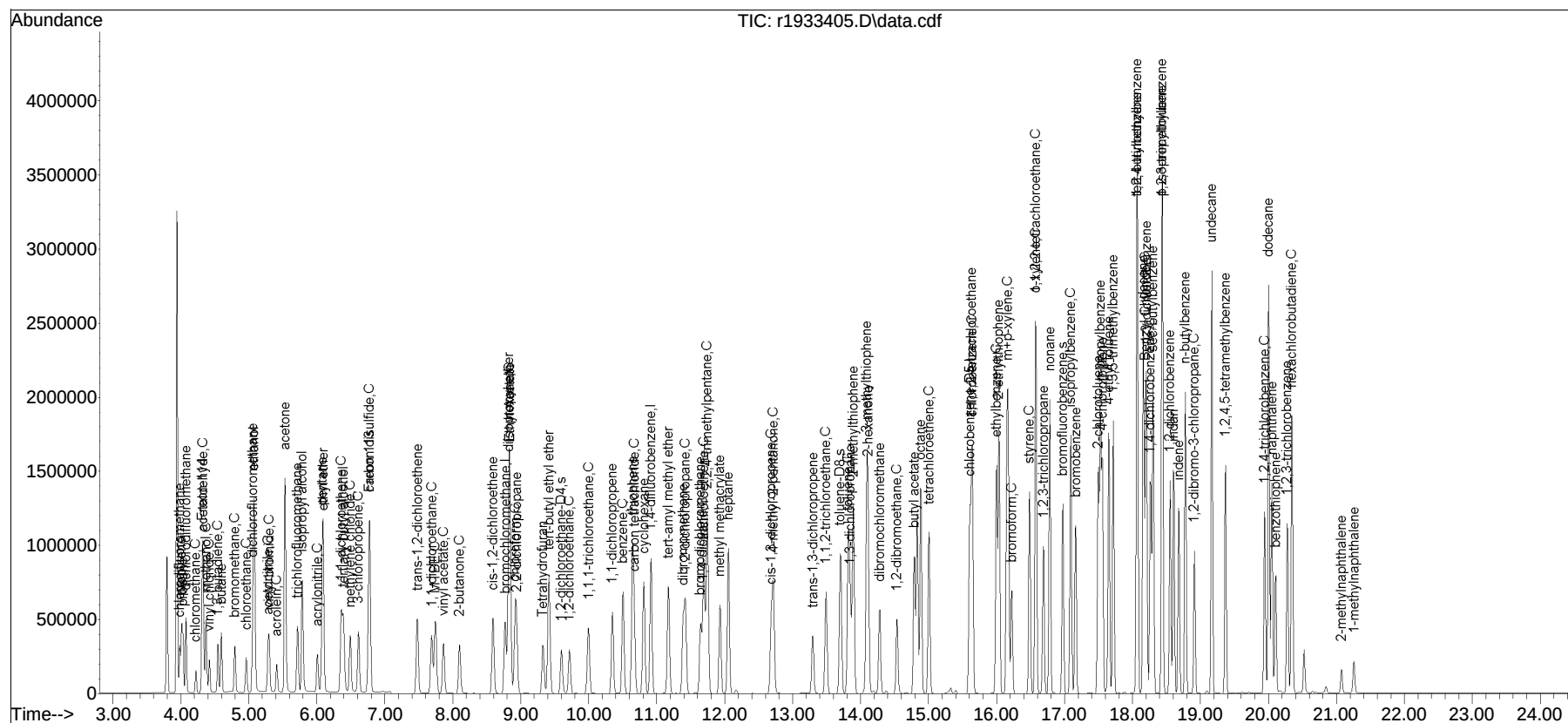
CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110)	indene	18.677	115	692722	10.415	ppbV	98
111)	1,2-dibromo-3-chloropr...	18.910	75	252789	11.066	ppbV	96
112)	undecane	19.168	57	1183424	11.552	ppbV	96
113)	1,2,4,5-tetramethylben...	19.368	119	929788	20.480	ppbV	98
114)	dodecane	20.000	57	1158988	12.206	ppbV	97
115)	1,2,4-trichlorobenzene	19.942	180	470978	12.357	ppbV	99
116)	naphthalene	20.050	128	1253345	12.400	ppbV	99
117)	1,2,3-trichlorobenzene	20.275	180	449439	11.954	ppbV	98
118)	benzothiophene	20.108	134	682804	16.821	ppbV	99
119)	hexachlorobutadiene	20.342	225	490817	11.078	ppbV	95
120)	2-methylnaphthalene	21.075	142	104660	12.813	ppbV	99
121)	1-methylnaphthalene	21.258	142	143050	11.692	ppbV	98

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

```
Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
Data File : r1933405.D
Acq On    : 24 Mar 2025    2:42 AM
Operator  : AIRLAB19:JJT
Sample    : IT015-SIMSTD010
Misc      : WG2044552,250 mL SS24-035B
ALS Vial  : 0    Sample Multiplier: 1
```

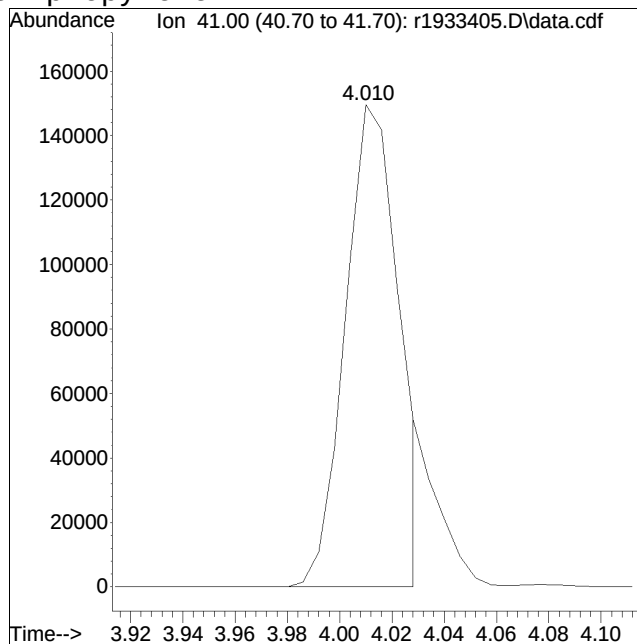
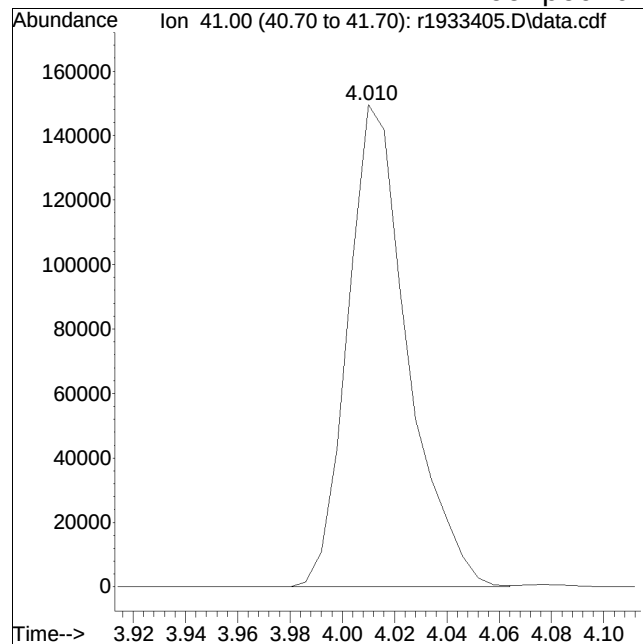
Quant Time: Mar 24 05:46:29 2025
Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Sat Mar 22 08:31:27 2025
Response via : Initial Calibration



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab19\20QMethod : TFS19_250323.M
Data File : r1933405.D Operator : AIRLAB19:JJT
Date Inj'd : 3/24/2025 2:42 AM Instrument :
Sample : IT015-SIMSTD010 Quant Date : 3/24/2025 5:46 am

Compound #3: propylene



Original Peak Response = 237903

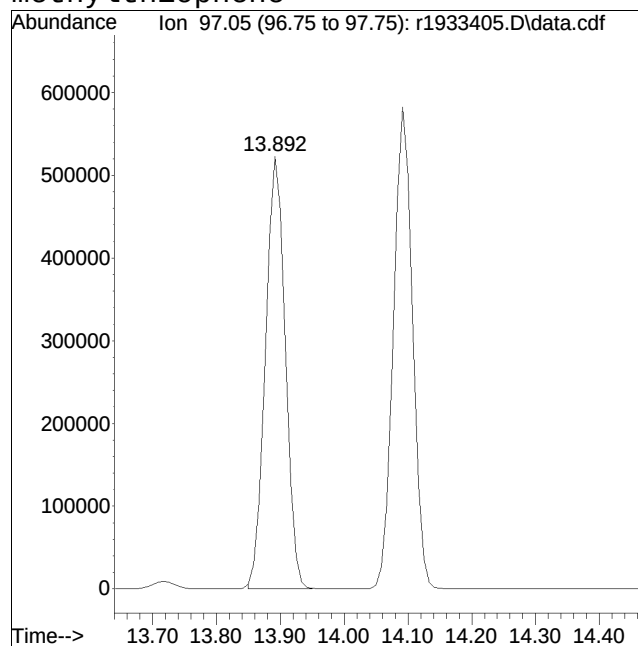
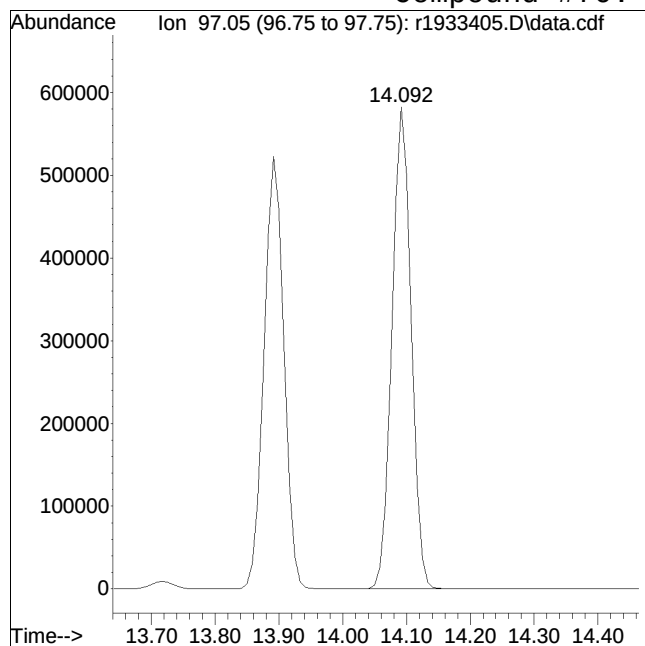
Manual Peak Response = 213428 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1933405.D Operator : AIRLAB19:JJT
Date Inj'd : 3/24/2025 2:42 AM Instrument :
Sample : IT015-SIMSTD010 Quant Date : 3/24/2025 5:46 am

Compound #70: 2-methylthiophene



Original Peak Response = 1214704

Manual Peak Response = 1128910 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933406.D
 Acq On : 24 Mar 2025 3:21 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD020
 Misc : WG2044552,50 mL SS24-035A
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:51:52 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.775	49	297440	10.000	ppbV	0.00
Standard Area = 302966			Recovery =		98.18%	
43) 1,4-difluorobenzene	10.917	114	919764	10.000	ppbV	0.00
Standard Area = 905308			Recovery =		101.60%	
67) chlorobenzene-D5	15.608	54	139353	10.000	ppbV	0.00
Standard Area = 145207			Recovery =		95.97%	
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.600	65	198300	8.852	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		88.52%	
69) toluene-D8	13.708	98	803597	9.726	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		97.26%	
90) bromofluorobenzene	16.975	95	576206	9.718	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		97.18%	
Target Compounds						
					Qvalue	
2) chlorodifluoromethane	3.980	51	538478M6	20.592	ppbV	
3) propylene	4.010	41	456384M6	21.781	ppbV	
4) propane	4.028	29	454191	20.279	ppbV	97
5) dichlorodifluoromethane	4.070	85	712932	19.058	ppbV	99
6) chloromethane	4.220	50	277300	19.780	ppbV	100
7) Freon-114	4.310	85	667999	19.600	ppbV	99
8) methanol	4.364	31	716941	99.179	ppbV	100
9) vinyl chloride	4.418	62	397970	19.731	ppbV	100
10) 1,3-butadiene	4.544	54	288599	20.135	ppbV	98
11) butane	4.592	43	574729	20.657	ppbV	100
12) acetaldehyde	4.322	29	593410	96.345	ppbV	95
13) bromomethane	4.790	94	406765	20.375	ppbV	98
14) chloroethane	4.958	64	327678	20.855	ppbV	99
15) ethanol	5.078	31	1738045	104.656	ppbV	97
16) dichlorofluoromethane	5.060	67	1027110	22.205	ppbV	99
17) vinyl bromide	5.297	106	405868	21.060	ppbV	97
18) acrolein	5.407	56	279429	20.690	ppbV	97
19) acetone	5.527	43	2865159	101.076	ppbV	100
20) acetonitrile	5.280	41	527316	21.259	ppbV	98
21) trichlorofluoromethane	5.713	101	711790	19.605	ppbV	100
22) isopropyl alcohol	5.783	45	1800698	53.149	ppbV	100
23) acrylonitrile	6.007	53	419654	20.635	ppbV	99
24) pentane	6.080	43	947443	21.098	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933406.D
 Acq On : 24 Mar 2025 3:21 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD020
 Misc : WG2044552,50 mL SS24-035A
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:51:52 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.090	31	941091	20.405	ppbV	98
26) 1,1-dichloroethene	6.356	61	748839	20.254	ppbV	98
27) tertiary butyl alcohol	6.392	59	1183223	21.462	ppbV	100
28) methylene chloride	6.488	49	455306	20.100	ppbV	98
29) 3-chloropropene	6.608	41	716247	20.903	ppbV	99
30) carbon disulfide	6.770	76	1260866	20.643	ppbV	98
31) Freon 113	6.770	101	838190	20.178	ppbV	98
32) trans-1,2-dichloroethene	7.475	61	764280	20.390	ppbV	98
33) 1,1-dichloroethane	7.692	63	986724	20.483	ppbV	99
34) MTBE	7.742	73	1182935	20.599	ppbV	99
35) vinyl acetate	7.858	43	1223155	20.996	ppbV	99
36) 2-butanone	8.100	43	1000821	20.794	ppbV	99
37) cis-1,2-dichloroethene	8.592	61	741348	20.480	ppbV	100
38) Ethyl Acetate	8.842	61	206466	20.797	ppbV	92
39) chloroform	8.917	83	738165	19.839	ppbV	99
40) Tetrahydrofuran	9.325	42	547637	21.012	ppbV	100
41) 2,2-dichloropropane	8.942	77	586173	20.250	ppbV	100
42) 1,2-dichloroethane	9.717	62	520454	19.605	ppbV	99
44) hexane	8.833	57	948504	19.272	ppbV	96
45) diisopropyl ether	8.825	87	484432	19.707	ppbV	98
46) tert-butyl ethyl ether	9.417	59	1810904	19.658	ppbV	99
48) 1,1,1-trichloroethane	10.000	97	710851	19.023	ppbV	100
49) 1,1-dichloropropene	10.350	75	654437	20.083	ppbV	99
50) benzene	10.503	78	1513019	19.878	ppbV	99
51) thiophene	10.650	84	1077606	14.610	ppbV	98
52) carbon tetrachloride	10.670	117	570299	19.098	ppbV	99
53) cyclohexane	10.810	56	1007931	19.762	ppbV	100
54) tert-amyl methyl ether	11.170	73	1440228	20.200	ppbV	99
55) dibromomethane	11.390	93	474012	19.378	ppbV	99
56) 1,2-dichloropropane	11.423	63	680112	19.899	ppbV	100
57) bromodichloromethane	11.643	83	754009	19.229	ppbV	99
58) 1,4-dioxane	11.677	88	374010	19.828	ppbV	100
59) trichloroethene	11.697	130	657524	19.634	ppbV	98
60) 2,2,4-trimethylpentane	11.743	57	2985711	19.367	ppbV	100
61) methyl methacrylate	11.937	41	691584	20.168	ppbV	98
62) heptane	12.057	43	949450	19.998	ppbV	99
63) cis-1,3-dichloropropene	12.683	75	763151	19.876	ppbV	99
64) 4-methyl-2-pentanone	12.717	43	1134144	20.075	ppbV	99
65) trans-1,3-dichloropropene	13.300	75	574534	19.899	ppbV	98
66) 1,1,2-trichloroethane	13.492	97	637020	19.506	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933406.D
 Acq On : 24 Mar 2025 3:21 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD020
 Misc : WG2044552,50 mL SS24-035A
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:51:52 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	13.825	91	1890048	20.539	ppbV	99
70) 2-methylthiophene	13.892	97	1647413M3	14.132	ppbV	
71) 1,3-dichloropropane	13.850	76	840306	21.015	ppbV	99
72) 2-hexanone	14.117	43	1077710	21.087	ppbV	96
73) 3-methylthiophene	14.092	97	1740056	14.927	ppbV	100
74) dibromochloromethane	14.283	129	795227	20.329	ppbV	99
75) 1,2-dibromoethane	14.542	107	871120	20.716	ppbV	98
76) butyl acetate	14.792	73	271855	21.841	ppbV	97
77) octane	14.892	85	746195	20.754	ppbV	96
78) tetrachloroethene	15.008	166	787677	20.401	ppbV	98
79) 1,1,1,2-tetrachloroethane	15.633	131	627251	20.501	ppbV	99
80) chlorobenzene	15.650	112	1483299	20.761	ppbV	100
81) ethylbenzene	16.000	91	2451504	20.227	ppbV	97
82) 2-ethylthiophene	16.042	97	1938611	14.851	ppbV	99
83) m+p-xylene	16.167	91	3865371	39.502	ppbV	95
84) bromoform	16.225	173	732702	20.342	ppbV	99
85) styrene	16.483	104	1705083	20.877	ppbV	99
86) 1,1,2,2-tetrachloroethane	16.575	83	1261615	19.887	ppbV	100
87) o-xylene	16.583	91	1859356	19.425	ppbV	97
88) 1,2,3-trichloropropane	16.692	75	958485	20.853	ppbV	99
89) nonane	16.783	43	1389500	21.062	ppbV	97
91) isopropylbenzene	17.092	105	2666591	20.930	ppbV	100
92) bromobenzene	17.167	77	1266884	20.476	ppbV	99
93) 2-chlorotoluene	17.492	126	714232	20.700	ppbV	96
94) n-propylbenzene	17.525	120	841676	21.080	ppbV	90
95) 4-chlorotoluene	17.558	126	723699	20.716	ppbV	94
96) 4-ethyl toluene	17.650	105	2641446	20.794	ppbV	99
97) 1,3,5-trimethylbenzene	17.717	105	2277673	20.642	ppbV	100
98) tert-butylbenzene	18.068	119	2205948	20.004	ppbV	99
99) 1,2,4-trimethylbenzene	18.068	105	2207288	19.539	ppbV	97
100) decane	18.160	57	2183737	20.208	ppbV	96
101) Benzyl Chloride	18.193	91	1770209	20.511	ppbV	98
102) 1,3-dichlorobenzene	18.202	146	1436002	20.335	ppbV	99
103) 1,4-dichlorobenzene	18.260	146	1382504	20.216	ppbV	99
104) sec-butylbenzene	18.302	105	3353424	20.731	ppbV	99
105) 1,2,3-trimethylbenzene	18.435	105	2263379	19.522	ppbV	99
106) p-isopropyltoluene	18.435	119	2580986	19.611	ppbV	100
107) 1,2-dichlorobenzene	18.552	146	1316462	20.396	ppbV	98
108) n-butylbenzene	18.777	91	2239450	19.752	ppbV	99
109) indan	18.602	117	1830946	21.627	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933406.D
 Acq On : 24 Mar 2025 3:21 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD020
 Misc : WG2044552,50 mL SS24-035A
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:51:52 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

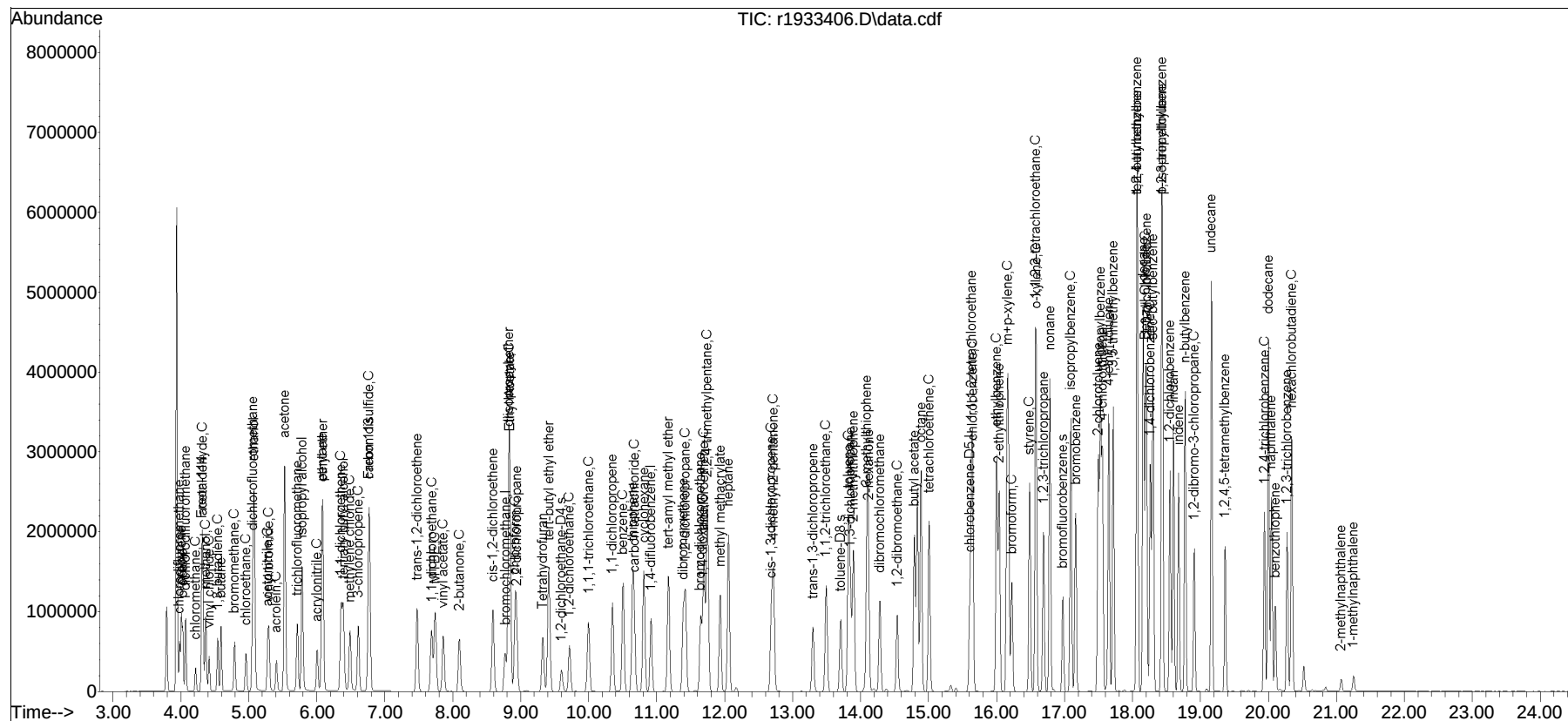
CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110)	indene	18.677	115	1455170	21.889	ppbV	99
111)	1,2-dibromo-3-chloropr...	18.910	75	472629	19.482	ppbV	98
112)	undecane	19.160	57	2170328	19.110	ppbV	96
113)	1,2,4,5-tetramethylben...	19.360	119	1130258	12.667	ppbV	99
114)	dodecane	20.000	57	1813759	16.307	ppbV	96
115)	1,2,4-trichlorobenzene	19.942	180	857850	18.979	ppbV	99
116)	naphthalene	20.042	128	2243195	18.650	ppbV	99
117)	1,2,3-trichlorobenzene	20.275	180	767568	17.796	ppbV	100
118)	benzothiophene	20.100	134	890565	13.591	ppbV	99
119)	hexachlorobutadiene	20.342	225	814490	17.292	ppbV	99
120)	2-methylnaphthalene	21.067	142	105663	10.520	ppbV	97
121)	1-methylnaphthalene	21.250	142	130576	9.511	ppbV	99

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

```
Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
Data File : r1933406.D
Acq On    : 24 Mar 2025    3:21 AM
Operator  : AIRLAB19:JJT
Sample    : IT015-SIMSTD020
Misc      : WG2044552, 50 mL SS24-035A
ALS Vial  : 0    Sample Multiplier: 1
```

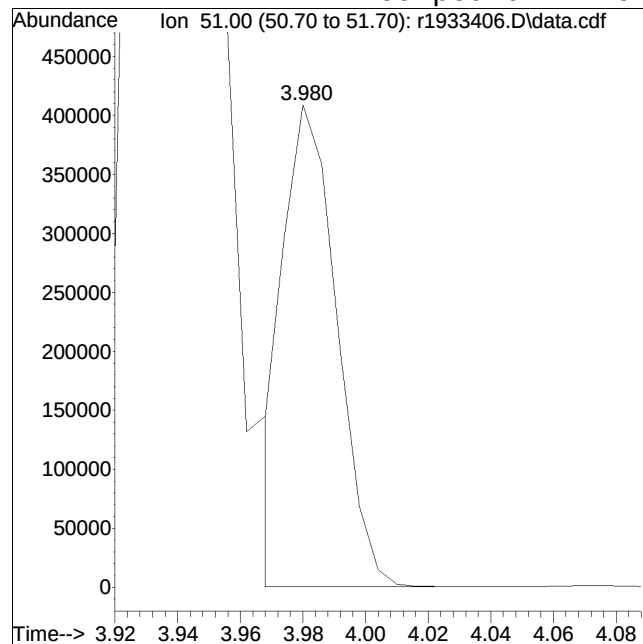
Quant Time: Mar 24 05:51:52 2025
Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Mon Mar 24 05:50:45 2025
Response via : Initial Calibration



Manual Integration Report

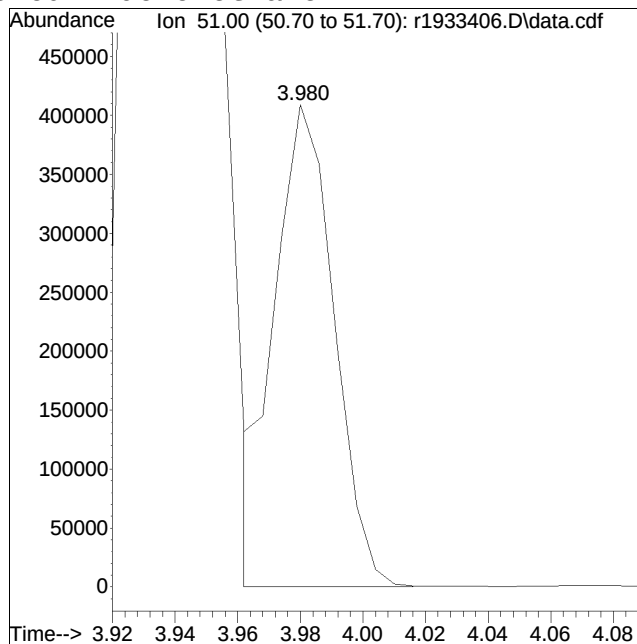
Data Path : X:\Airlab\Data\Airlab19\20QMethod : TFS19_250323.M
Data File : r1933406.D Operator : AIRLAB19:JJT
Date Inj'd : 3/24/2025 3:21 AM Instrument :
Sample : IT015-SIMSTD020 Quant Date : 3/24/2025 5:51 am

Compound #2: chlorodifluoromethane



Original Peak Response = 485668

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

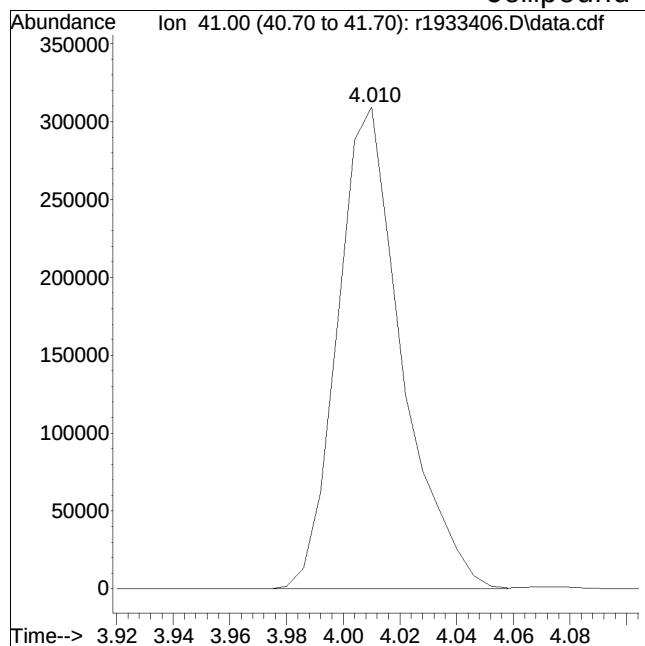


Manual Peak Response = 538478 M6

Manual Integration Report

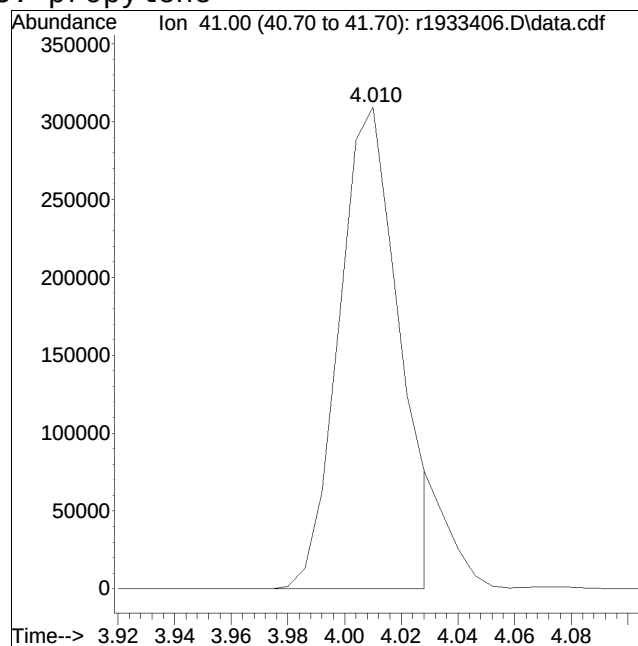
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1933406.D Operator : AIRLAB19:JJT
Date Inj'd : 3/24/2025 3:21 AM Instrument :
Sample : IT015-SIMSTD020 Quant Date : 3/24/2025 5:51 am

Compound #3: propylene



Original Peak Response = 487925

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

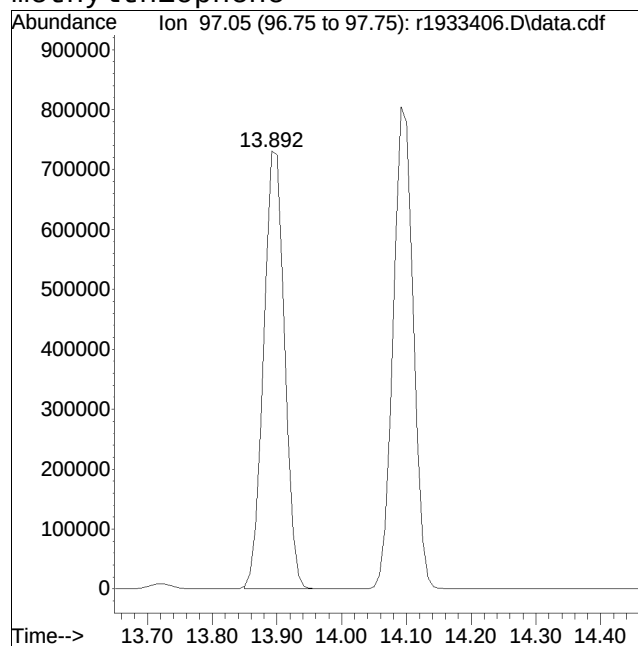
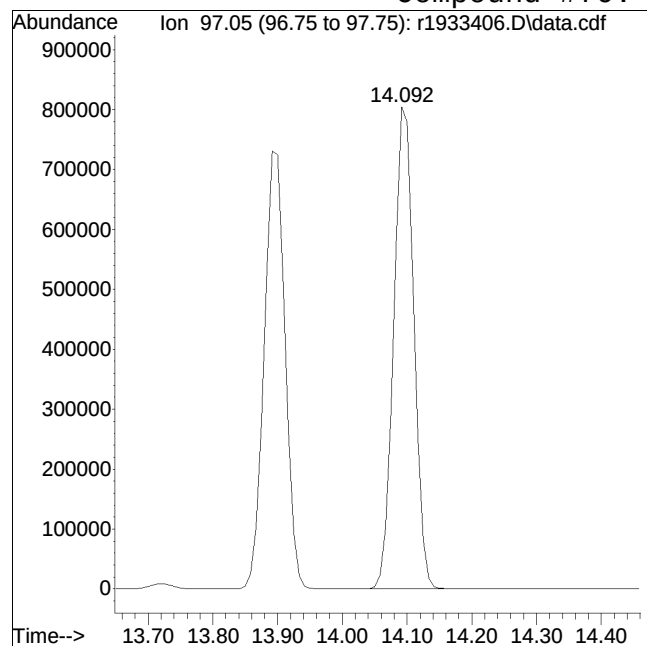


Manual Peak Response = 456384 M6

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1933406.D Operator : AIRLAB19:JJT
Date Inj'd : 3/24/2025 3:21 AM Instrument :
Sample : IT015-SIMSTD020 Quant Date : 3/24/2025 5:51 am

Compound #70: 2-methylthiophene



Original Peak Response = 1740056

Manual Peak Response = 1647413 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933407.D
 Acq On : 24 Mar 2025 4:01 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD050
 Misc : WG2044552,125 mL SS24-035A
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:52:03 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.775	49	288274	10.000	ppbV	0.00
Standard Area = 302966			Recovery =	95.15%		
43) 1,4-difluorobenzene	10.923	114	927328	10.000	ppbV	0.00
Standard Area = 905308			Recovery =	102.43%		
67) chlorobenzene-D5	15.608	54	128335	10.000	ppbV	# 0.00
Standard Area = 145207			Recovery =	88.38%		
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.608	65	171377	7.588	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	75.88%		
69) toluene-D8	13.708	98	753534	9.903	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.03%		
90) bromofluorobenzene	16.975	95	543966	9.962	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.62%		
Target Compounds						
					Qvalue	
2) chlorodifluoromethane	3.986	51	1188688	46.901	ppbV	99
3) propylene	4.010	41	1088087M6	53.580	ppbV	
4) propane	4.034	29	1042323	48.017	ppbV	96
5) dichlorodifluoromethane	4.076	85	1574343	43.424	ppbV	99
6) chloromethane	4.220	50	636358	46.836	ppbV	100
7) Freon-114	4.316	85	1456454	44.093	ppbV	97
8) methanol	4.376	31	1597818	228.064	ppbV	100
9) vinyl chloride	4.418	62	892513	45.656	ppbV	100
10) 1,3-butadiene	4.550	54	1010756	72.760	ppbV	99
11) butane	4.598	43	1817099	67.387	ppbV	96
12) acetaldehyde	4.328	29	1280110	214.444	ppbV	91
13) bromomethane	4.796	94	927545	47.938	ppbV	99
14) chloroethane	4.964	64	801076	52.606	ppbV	99
15) ethanol	5.084	31	3951176	245.483	ppbV	90
16) dichlorofluoromethane	5.060	67	2264058	50.503	ppbV	99
17) vinyl bromide	5.303	106	958073	51.295	ppbV	98
18) acrolein	5.410	56	654821	50.028	ppbV	97
19) acetone	5.533	43	6322689	230.141	ppbV	100
20) acetonitrile	5.287	41	1305316	54.297	ppbV	98
21) trichlorofluoromethane	5.720	101	1514084	43.029	ppbV	99
22) isopropyl alcohol	5.793	45	4260957	129.765	ppbV	100
23) acrylonitrile	6.013	53	986221	50.035	ppbV	99
24) pentane	6.083	43	2230766	51.255	ppbV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933407.D
 Acq On : 24 Mar 2025 4:01 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD050
 Misc : WG2044552,125 mL SS24-035A
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:52:03 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.097	31	1791864	40.088	ppbV	95
26) 1,1-dichloroethene	6.362	61	1681119	46.915	ppbV	96
27) tertiary butyl alcohol	6.398	59	2656242	49.713	ppbV	99
28) methylene chloride	6.494	49	1041157	47.424	ppbV	96
29) 3-chloropropene	6.614	41	1739103	52.367	ppbV	96
30) carbon disulfide	6.776	76	2922981	49.376	ppbV	97
31) Freon 113	6.776	101	1851986	46.001	ppbV	97
32) trans-1,2-dichloroethene	7.483	61	1759413	48.432	ppbV	97
33) 1,1-dichloroethane	7.692	63	2306358	49.400	ppbV	100
34) MTBE	7.742	73	2743918	49.301	ppbV	98
35) vinyl acetate	7.867	43	2968472	52.574	ppbV	100
36) 2-butanone	8.100	43	2271237	48.691	ppbV	97
37) cis-1,2-dichloroethene	8.600	61	1691918	48.226	ppbV	98
38) Ethyl Acetate	8.850	61	467662	48.605	ppbV	79
39) chloroform	8.925	83	1620018	44.925	ppbV	99
40) Tetrahydrofuran	9.325	42	1331983	52.730	ppbV	99
41) 2,2-dichloropropane	8.942	77	1278808	45.582	ppbV	98
42) 1,2-dichloroethane	9.725	62	1111110	43.184	ppbV	97
44) hexane	8.842	57	2021688	40.743	ppbV	82
45) diisopropyl ether	8.825	87	1080924	43.614	ppbV	99
46) tert-butyl ethyl ether	9.417	59	4026509	43.354	ppbV	98
48) 1,1,1-trichloroethane	10.000	97	1525718	40.497	ppbV	98
49) 1,1-dichloropropene	10.357	75	1519293	46.244	ppbV	96
50) benzene	10.510	78	3554470	46.317	ppbV	97
51) thiophene	10.650	84	2464724	33.143	ppbV	96
52) carbon tetrachloride	10.677	117	1221821	40.581	ppbV	99
53) cyclohexane	10.817	56	2279026	44.320	ppbV	97
54) tert-amyl methyl ether	11.177	73	3373881	46.935	ppbV	98
55) dibromomethane	11.397	93	1047890	42.490	ppbV	95
56) 1,2-dichloropropane	11.430	63	1599466	46.417	ppbV	99
57) bromodichloromethane	11.650	83	1650640	41.752	ppbV	99
58) 1,4-dioxane	11.677	88	864093	45.435	ppbV	98
59) trichloroethene	11.703	130	1493581	44.234	ppbV	98
60) 2,2,4-trimethylpentane	11.750	57	6609251	42.521	ppbV	98
61) methyl methacrylate	11.937	41	1642716	47.515	ppbV	96
62) heptane	12.063	43	2240208	46.799	ppbV	95
63) cis-1,3-dichloropropene	12.692	75	1805337	46.636	ppbV	98
64) 4-methyl-2-pentanone	12.717	43	2652565	46.570	ppbV	97
65) trans-1,3-dichloropropene	13.300	75	1335310	45.871	ppbV	98
66) 1,1,2-trichloroethane	13.500	97	1471303	44.684	ppbV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933407.D
 Acq On : 24 Mar 2025 4:01 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD050
 Misc : WG2044552,125 mL SS24-035A
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:52:03 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	13.825	91	4187296	49.410	ppbV	100
70) 2-methylthiophene	13.900	97	3742757M3	34.863	ppbV	
71) 1,3-dichloropropane	13.858	76	1957045	53.144	ppbV	99
72) 2-hexanone	14.117	43	2477425	52.636	ppbV	93
73) 3-methylthiophene	14.100	97	3841111	35.779	ppbV	100
74) dibromochloromethane	14.283	129	1736927	48.214	ppbV	98
75) 1,2-dibromoethane	14.542	107	2016531	52.071	ppbV	100
76) butyl acetate	14.792	73	654759	57.120	ppbV	88
77) octane	14.892	85	1665637	50.305	ppbV	93
78) tetrachloroethene	15.008	166	1763136	49.585	ppbV	94
79) 1,1,1,2-tetrachloroethane	15.633	131	1305860	46.345	ppbV	98
80) chlorobenzene	15.650	112	3312204	50.338	ppbV	99
81) ethylbenzene	16.000	91	5229304	46.851	ppbV	92
82) 2-ethylthiophene	16.042	97	4132450	34.375	ppbV	92
83) m+p-xylene	16.167	91	7963983	88.375	ppbV	90
84) bromoform	16.225	173	1628023	49.080	ppbV	98
85) styrene	16.492	104	3880500	51.592	ppbV	98
86) 1,1,2,2-tetrachloroethane	16.575	83	2690920	46.060	ppbV	98
87) o-xylene	16.583	91	3655763	41.471	ppbV	91
88) 1,2,3-trichloropropane	16.692	75	2193348	51.816	ppbV	97
89) nonane	16.783	43	3160503	52.021	ppbV	88
91) isopropylbenzene	17.092	105	5719298	48.744	ppbV	96
92) bromobenzene	17.167	77	2834112	49.739	ppbV	94
93) 2-chlorotoluene	17.500	126	1640459	51.625	ppbV	88
94) n-propylbenzene	17.533	120	1884761	51.257	ppbV	78
95) 4-chlorotoluene	17.558	126	1611341	50.084	ppbV	87
96) 4-ethyl toluene	17.658	105	5768246	49.308	ppbV	98
97) 1,3,5-trimethylbenzene	17.725	105	4787997	47.119	ppbV	96
98) tert-butylbenzene	18.068	119	4352844	42.862	ppbV	99
99) 1,2,4-trimethylbenzene	18.077	105	4182395	40.202	ppbV	90
100) decane	18.168	57	4431293	44.527	ppbV	87
101) Benzyl Chloride	18.193	91	3732723	46.963	ppbV	92
102) 1,3-dichlorobenzene	18.210	146	2965166	45.595	ppbV	97
103) 1,4-dichlorobenzene	18.268	146	3061941	48.617	ppbV	97
104) sec-butylbenzene	18.310	105	7071927	47.473	ppbV	100
105) 1,2,3-trimethylbenzene	18.443	105	4178123	39.131	ppbV	94
106) p-isopropyltoluene	18.443	119	4914692	40.549	ppbV	99
107) 1,2-dichlorobenzene	18.560	146	2801096	47.123	ppbV	97
108) n-butylbenzene	18.777	91	4537849	43.460	ppbV	93
109) indan	18.610	117	4004792	51.365	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933407.D
 Acq On : 24 Mar 2025 4:01 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-SIMSTD050
 Misc : WG2044552,125 mL SS24-035A
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:52:03 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

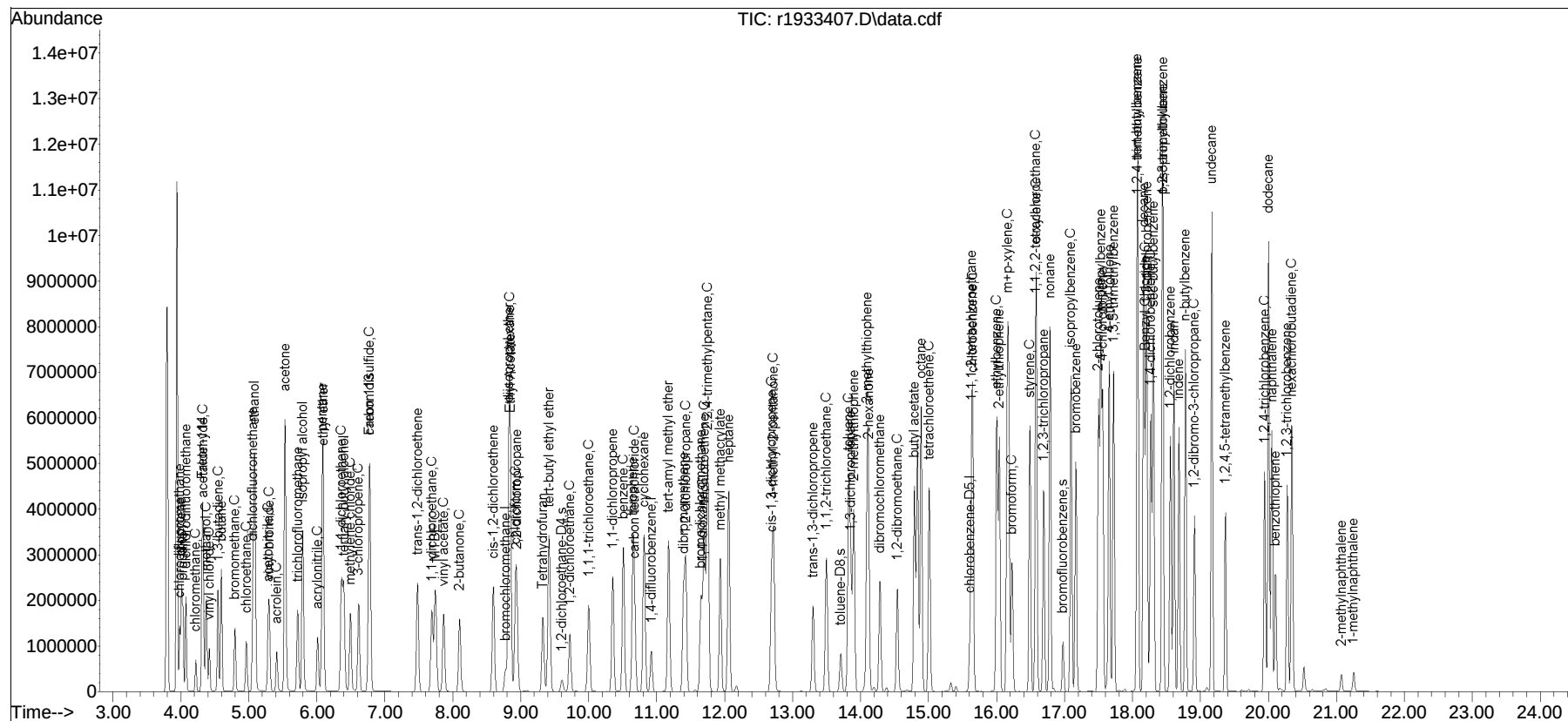
CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110)	indene	18.685	115	3267832	53.376	ppbV	98
111)	1,2-dibromo-3-chloropr...	18.910	75	1009516	45.185	ppbV	92
112)	undecane	19.168	57	4246611	40.602	ppbV	88
113)	1,2,4,5-tetramethylben...	19.368	119	2278900	27.732	ppbV	99
114)	dodecane	20.000	57	3937142	38.437	ppbV	87
115)	1,2,4-trichlorobenzene	19.942	180	1936143	46.514	ppbV	98
116)	naphthalene	20.050	128	5233369	47.245	ppbV	99
117)	1,2,3-trichlorobenzene	20.275	180	1859071	46.802	ppbV	97
118)	benzothiophene	20.100	134	2262432	37.491	ppbV	98
119)	hexachlorobutadiene	20.342	225	1590247	36.660	ppbV	98
120)	2-methylnaphthalene	21.075	142	250963	27.131	ppbV	98
121)	1-methylnaphthalene	21.250	142	283477	22.422	ppbV	99

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

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
Data File : r1933407.D
Acq On : 24 Mar 2025 4:01 AM
Operator : AIRLAB19:JJT
Sample : IT015-SIMSTD050
Misc : WG2044552,125 mL SS24-035A
ALS Vial : 0 Sample Multiplier: 1

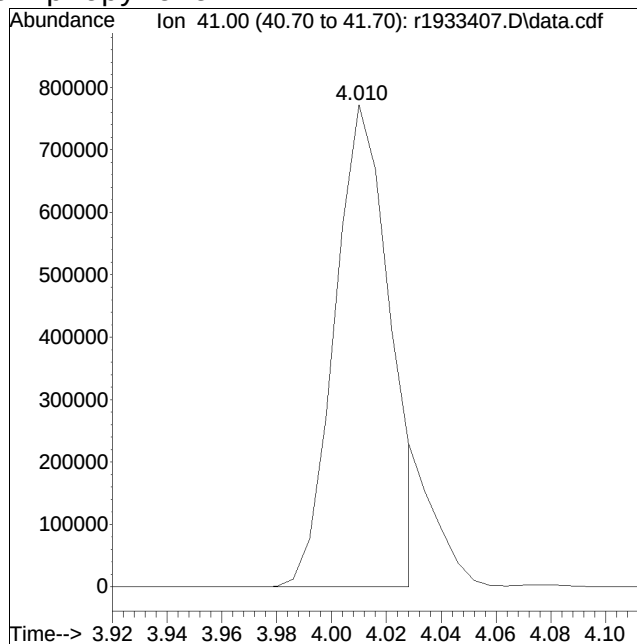
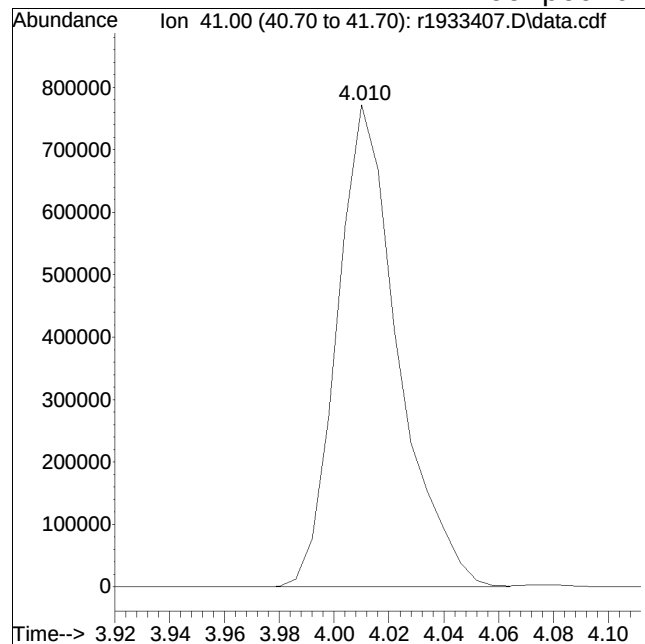
Quant Time: Mar 24 05:52:03 2025
Quant Method : X:\AirLab\Data\AirLab19\2025\03\0323T_I\TFS19_250323.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Mon Mar 24 05:50:45 2025
Response via : Initial Calibration



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab19\20QMethod : TFS19_250323.M
Data File : r1933407.D Operator : AIRLAB19:JJT
Date Inj'd : 3/24/2025 4:01 AM Instrument :
Sample : IT015-SIMSTD050 Quant Date : 3/24/2025 5:52 am

Compound #3: propylene



Original Peak Response = 1196068

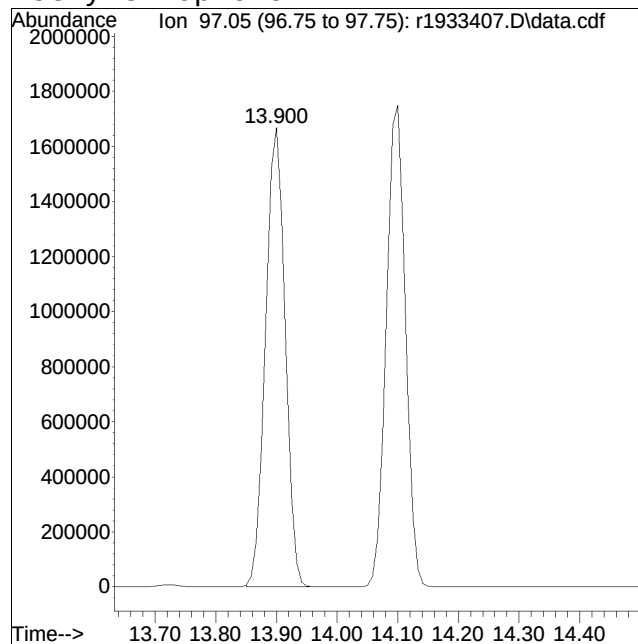
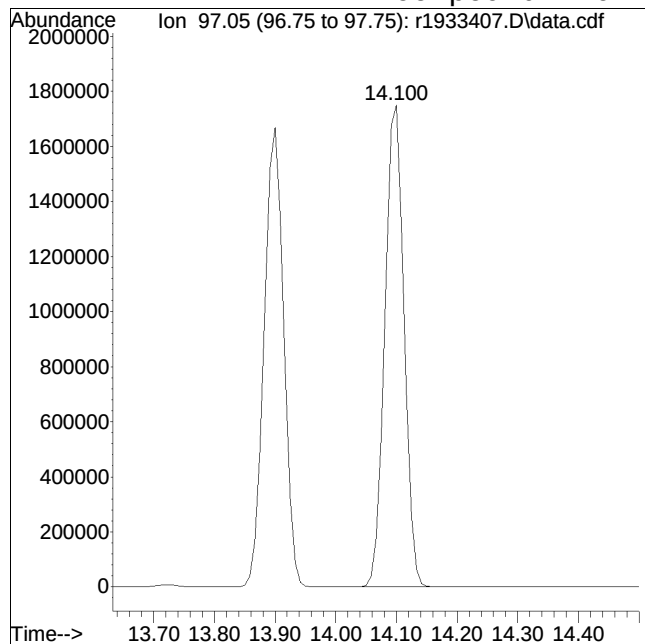
Manual Peak Response = 1088087 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1933407.D Operator : AIRLAB19:JJT
Date Inj'd : 3/24/2025 4:01 AM Instrument :
Sample : IT015-SIMSTD050 Quant Date : 3/24/2025 5:52 am

Compound #70: 2-methylthiophene



Original Peak Response = 3841111

Manual Peak Response = 3742757 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933408.D
 Acq On : 24 Mar 2025 4:43 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-LLSTD100
 Misc : WG2044552,250 mL SS24-035A
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:52:13 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.783	49	261901	10.000	ppbV	0.00
Standard Area = 302966			Recovery =		86.45%	
43) 1,4-difluorobenzene	10.923	114	861272	10.000	ppbV	0.00
Standard Area = 905308			Recovery =		95.14%	
67) chlorobenzene-D5	15.608	54	110489	10.000	ppbV	# 0.00
Standard Area = 145207			Recovery =		76.09%	
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.608	65	149806	7.142	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		71.42%	
69) toluene-D8	13.708	98	717454	10.952	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		109.52%	
90) bromofluorobenzene	16.975	95	528121	11.234	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		112.34%	
Target Compounds						
					Qvalue	
2) chlorodifluoromethane	3.986	51	2031477M6	88.226	ppbV	
3) propylene	4.010	41	1986920M6	107.693	ppbV	
4) propane	4.034	29	1752576	88.866	ppbV	# 93
5) dichlorodifluoromethane	4.076	85	2551741	77.470	ppbV	99
6) chloromethane	4.226	50	1148781	93.064	ppbV	99
7) Freon-114	4.316	85	2318175	77.248	ppbV	96
8) methanol	4.382	31	2667008	419.007	ppbV	100
9) vinyl chloride	4.424	62	1459790	82.195	ppbV	100
10) 1,3-butadiene	4.550	54	1091902	86.516	ppbV	95
11) butane	4.598	43	2315394	94.513	ppbV	97
12) acetaldehyde	4.334	29	2081627	383.829	ppbV	88
13) bromomethane	4.802	94	1562099	88.863	ppbV	99
14) chloroethane	4.970	64	1443384	104.330	ppbV	98
15) ethanol	5.102	31	5617303	384.142	ppbV	# 80
16) dichlorofluoromethane	5.072	67	3319428	81.501	ppbV	98
17) vinyl bromide	5.310	106	1656095	97.595	ppbV	97
18) acrolein	5.420	56	1140497	95.908	ppbV	96
19) acetone	5.543	43	10380074	415.872	ppbV	98
20) acetonitrile	5.297	41	2367248	108.385	ppbV	97
21) trichlorofluoromethane	5.727	101	2411680	75.439	ppbV	98
22) isopropyl alcohol	5.810	45	7432906	249.160	ppbV	99
23) acrylonitrile	6.023	53	1729147	96.561	ppbV	98
24) pentane	6.087	43	4557685	115.265	ppbV	96

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933408.D
 Acq On : 24 Mar 2025 4:43 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-LLSTD100
 Misc : WG2044552, 250 mL SS24-035A
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:52:13 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
25) ethyl ether	6.103	31	3617376	89.078	ppbV	#	93
26) 1,1-dichloroethene	6.368	61	2778957	85.363	ppbV		94
27) tertiary butyl alcohol	6.410	59	4484288	92.377	ppbV		98
28) methylene chloride	6.506	49	1809360	90.715	ppbV		97
29) 3-chloropropene	6.626	41	3152613	104.489	ppbV		94
30) carbon disulfide	6.782	76	4871588	90.579	ppbV		97
31) Freon 113	6.782	101	2915949	79.722	ppbV		98
32) trans-1,2-dichloroethene	7.492	61	2932850	88.864	ppbV		95
33) 1,1-dichloroethane	7.700	63	3960790	93.379	ppbV		98
34) MTBE	7.750	73	4722408	93.394	ppbV		97
35) vinyl acetate	7.875	43	5371803	104.720	ppbV		100
36) 2-butanone	8.108	43	4044817	95.444	ppbV		95
37) cis-1,2-dichloroethene	8.608	61	2843557	89.214	ppbV		95
38) Ethyl Acetate	8.858	61	768674	87.935	ppbV		79
39) chloroform	8.933	83	2627694	80.206	ppbV		98
40) Tetrahydrofuran	9.333	42	2438923	106.274	ppbV		98
41) 2,2-dichloropropane	8.950	77	2081943	81.682	ppbV		97
42) 1,2-dichloroethane	9.733	62	1777678	76.049	ppbV	#	93
44) hexane	8.842	57	3113265	67.553	ppbV		91
45) diisopropyl ether	8.833	87	1764506	76.656	ppbV		96
46) tert-butyl ethyl ether	9.425	59	6566418	76.123	ppbV		96
48) 1,1,1-trichloroethane	10.008	97	2609411	74.573	ppbV	#	96
49) 1,1-dichloropropene	10.363	75	2645286	86.692	ppbV		94
50) benzene	10.517	78	6211994	87.155	ppbV		95
51) thiophene	10.657	84	4178812	60.501	ppbV		94
52) carbon tetrachloride	10.683	117	1947821	69.656	ppbV		99
53) cyclohexane	10.817	56	3820282	79.991	ppbV		93
54) tert-amyl methyl ether	11.183	73	5846689	87.574	ppbV		97
55) dibromomethane	11.403	93	1686233	73.617	ppbV		94
56) 1,2-dichloropropane	11.437	63	2686090	83.930	ppbV		98
57) bromodichloromethane	11.657	83	2690669	73.278	ppbV		98
58) 1,4-dioxane	11.683	88	1450833	82.137	ppbV		94
59) trichloroethene	11.710	130	2468982	78.730	ppbV		96
60) 2,2,4-trimethylpentane	11.757	57	10529800	72.940	ppbV		96
61) methyl methacrylate	11.943	41	2866799	89.282	ppbV		94
62) heptane	12.063	43	3910593	87.959	ppbV		92
63) cis-1,3-dichloropropene	12.692	75	3136914	87.248	ppbV		95
64) 4-methyl-2-pentanone	12.725	43	4624437	87.416	ppbV		95
65) trans-1,3-dichloropropene	13.308	75	2311794	85.506	ppbV		98
66) 1,1,2-trichloroethane	13.500	97	2471724	80.825	ppbV		94

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933408.D
 Acq On : 24 Mar 2025 4:43 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-LLSTD100
 Misc : WG2044552, 250 mL SS24-035A
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:52:13 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	13.833	91	6776367	92.877	ppbV	100
70) 2-methylthiophene	13.900	97	6042619M3	65.377	ppbV	
71) 1,3-dichloropropane	13.858	76	3332831	105.123	ppbV	97
72) 2-hexanone	14.125	43	4220987	104.164	ppbV	89
73) 3-methylthiophene	14.100	97	6029715	65.237	ppbV	99
74) dibromochloromethane	14.292	129	2801137	90.314	ppbV	98
75) 1,2-dibromoethane	14.542	107	3294962	98.825	ppbV	100
76) butyl acetate	14.792	73	1146978	116.223	ppbV	81
77) octane	14.892	85	2723701	95.546	ppbV	91
78) tetrachloroethene	15.008	166	2702592	88.282	ppbV	95
79) 1,1,1,2-tetrachloroethane	15.633	131	1982866	81.738	ppbV	97
80) chlorobenzene	15.658	112	5090002	89.852	ppbV	98
81) ethylbenzene	16.008	91	8172093	85.042	ppbV	91
82) 2-ethylthiophene	16.042	97	6389258	61.732	ppbV #	87
83) m+p-xylene	16.175	91	11797308	152.057	ppbV	91
84) bromoform	16.233	173	2560382	89.655	ppbV	98
85) styrene	16.492	104	6220926	96.068	ppbV	99
86) 1,1,2,2-tetrachloroethane	16.583	83	4177233	83.050	ppbV	97
87) o-xylene	16.583	91	5291388	69.721	ppbV	93
88) 1,2,3-trichloropropane	16.692	75	3711633	101.848	ppbV	97
89) nonane	16.792	43	5217035	99.741	ppbV	80
91) isopropylbenzene	17.092	105	8664773	85.775	ppbV	91
92) bromobenzene	17.167	77	4646185	94.711	ppbV	98
93) 2-chlorotoluene	17.500	126	2630447	96.150	ppbV	81
94) n-propylbenzene	17.533	120	3055237	96.510	ppbV	67
95) 4-chlorotoluene	17.558	126	2701959	97.547	ppbV	75
96) 4-ethyl toluene	17.658	105	8883857	88.206	ppbV	93
97) 1,3,5-trimethylbenzene	17.717	105	7220040	82.529	ppbV	90
98) tert-butylbenzene	18.068	119	6133431	70.150	ppbV	96
99) 1,2,4-trimethylbenzene	18.077	105	5777183	64.500	ppbV	89
100) decane	18.160	57	6624011	77.312	ppbV #	80
101) Benzyl Chloride	18.193	91	5737339	83.844	ppbV #	88
102) 1,3-dichlorobenzene	18.210	146	4366364	77.985	ppbV	96
103) 1,4-dichlorobenzene	18.268	146	4748514	87.575	ppbV	95
104) sec-butylbenzene	18.302	105	10556979	82.314	ppbV	94
105) 1,2,3-trimethylbenzene	18.443	105	5776737	62.842	ppbV	93
106) p-isopropyltoluene	18.435	119	6849048	65.636	ppbV	96
107) 1,2-dichlorobenzene	18.552	146	4441837	86.794	ppbV	97
108) n-butylbenzene	18.777	91	7166015	79.715	ppbV	90
109) indan	18.610	117	6444425	96.005	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933408.D
 Acq On : 24 Mar 2025 4:43 AM
 Operator : AIRLAB19:JJT
 Sample : IT015-LLSTD100
 Misc : WG2044552,250 mL SS24-035A
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 24 05:52:13 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Mar 24 05:50:45 2025
 Response via : Initial Calibration

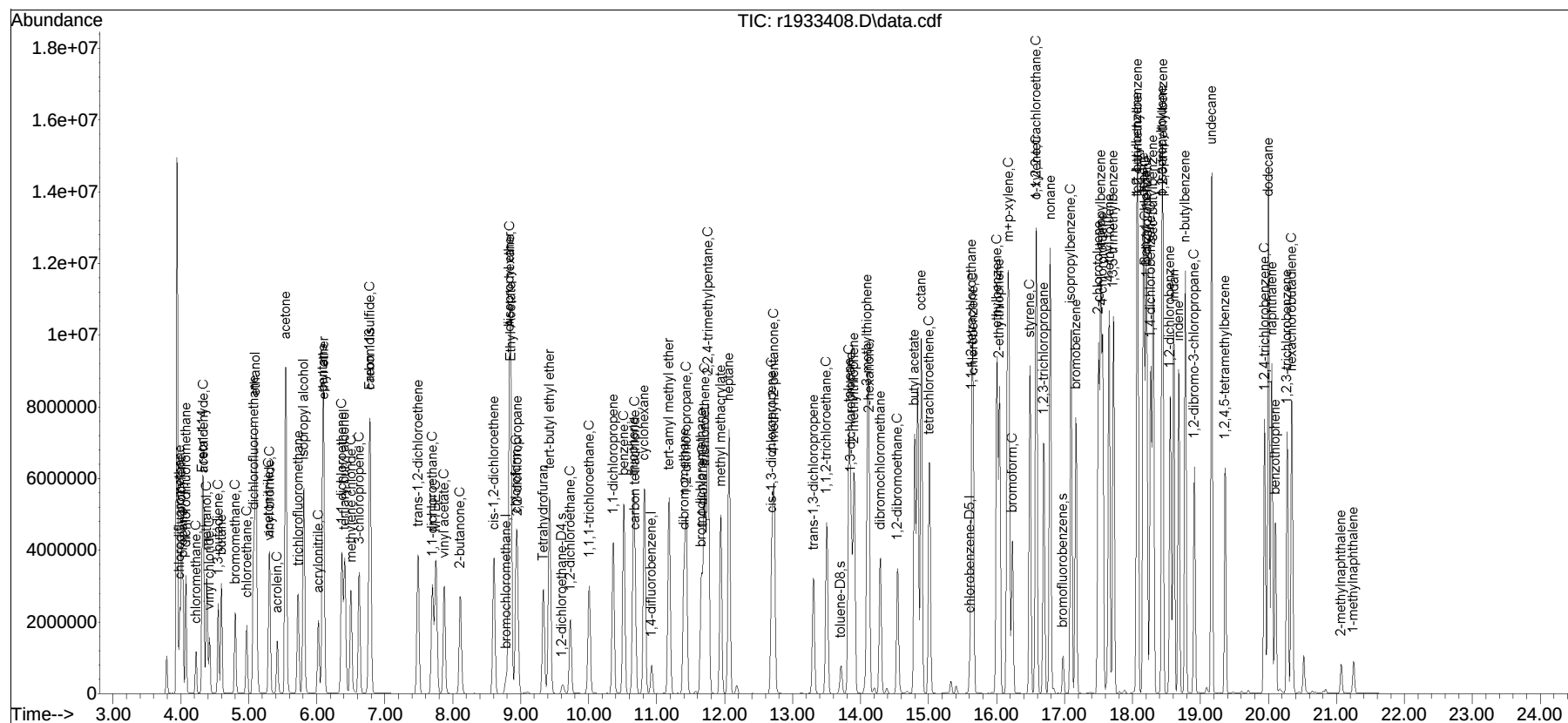
CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110)	indene	18.677	115	5475382	103.878	ppbV	97
111)	1,2-dibromo-3-chloropr...	18.910	75	1703731	88.575	ppbV	96
112)	undecane	19.168	57	6253874	69.451	ppbV #	83
113)	1,2,4,5-tetramethylben...	19.360	119	3852470	54.453	ppbV	98
114)	dodecane	20.000	57	5936722	67.319	ppbV #	80
115)	1,2,4-trichlorobenzene	19.942	180	3216185	89.745	ppbV	97
116)	naphthalene	20.050	128	8719157	91.427	ppbV	98
117)	1,2,3-trichlorobenzene	20.275	180	3118684	91.195	ppbV	96
118)	benzothiophene	20.100	134	4178695	80.429	ppbV	98
119)	hexachlorobutadiene	20.342	225	2281133	61.080	ppbV	95
120)	2-methylnaphthalene	21.067	142	535735	67.273	ppbV	99
121)	1-methylnaphthalene	21.250	142	592011	54.389	ppbV	98

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

```
Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
Data File : r1933408.D
Acq On    : 24 Mar 2025    4:43 AM
Operator  : AIRLAB19:JJT
Sample    : IT015-LLSTD100
Misc      : WG2044552,250 mL SS24-035A
ALS Vial  : 0    Sample Multiplier: 1
```

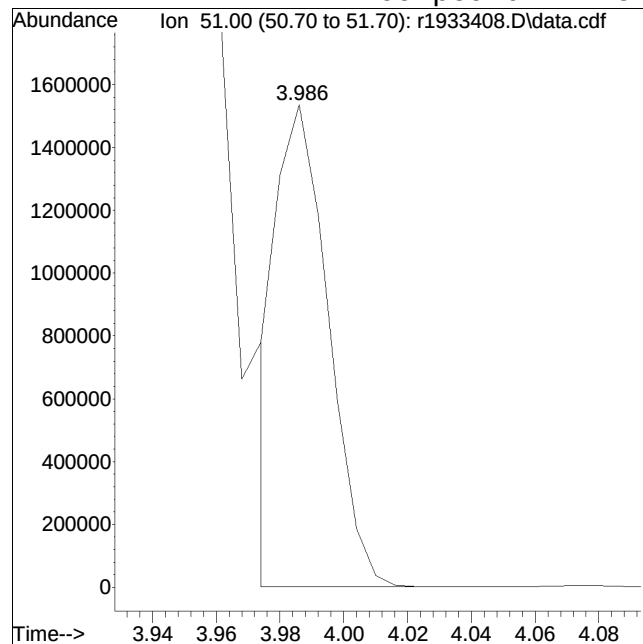
Quant Time: Mar 24 05:52:13 2025
Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Mon Mar 24 05:50:45 2025
Response via : Initial Calibration



Manual Integration Report

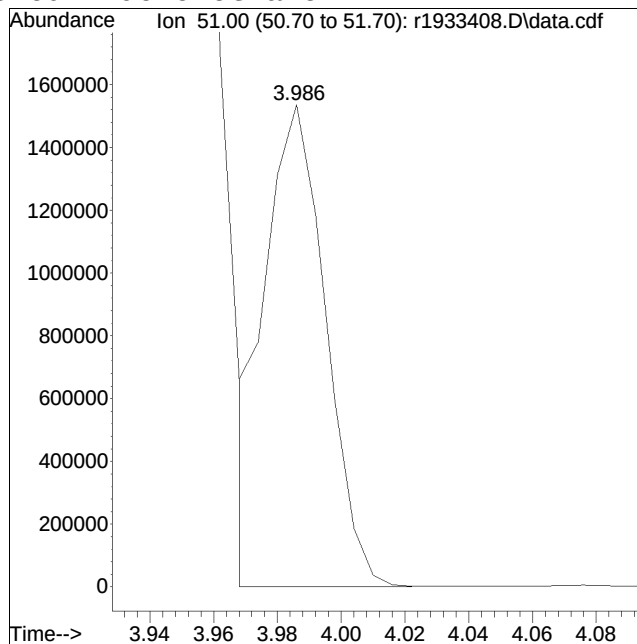
Data Path : X:\Airlab\Data\Airlab19\20QMethod : TFS19_250323.M
Data File : r1933408.D Operator : AIRLAB19:JJT
Date Inj'd : 3/24/2025 4:43 AM Instrument :
Sample : IT015-LLSTD100 Quant Date : 3/24/2025 5:52 am

Compound #2: chlorodifluoromethane



Original Peak Response = 1747534

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

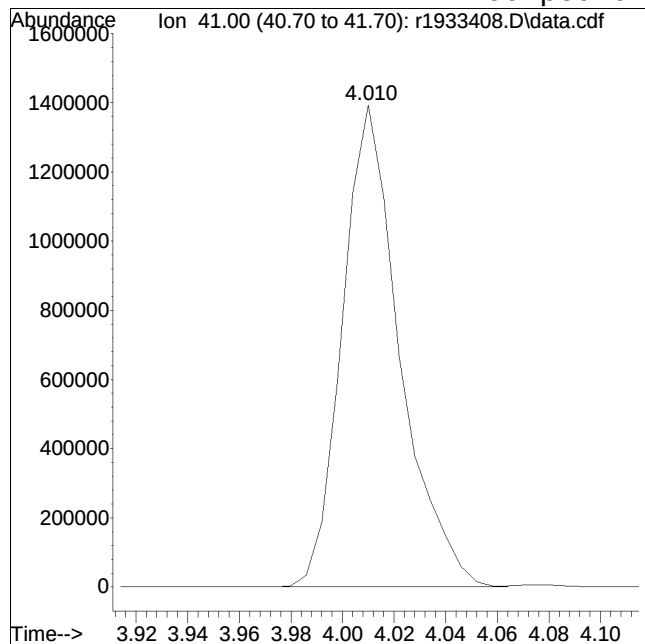


Manual Peak Response = 2031477 M6

Manual Integration Report

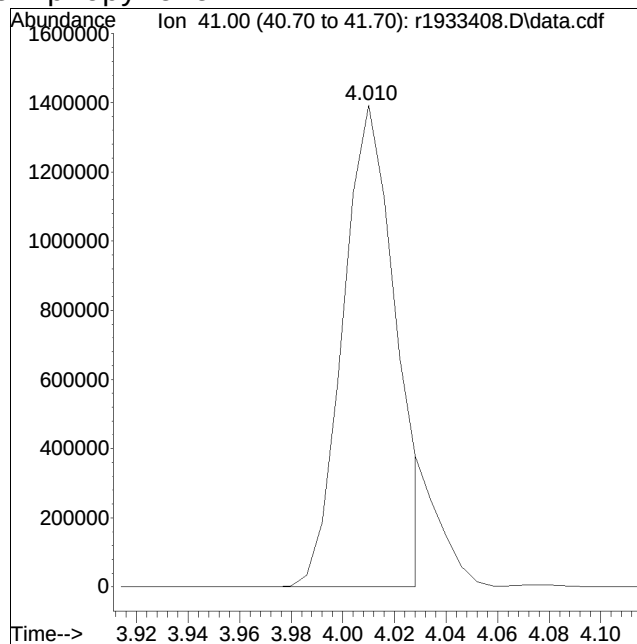
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1933408.D Operator : AIRLAB19:JJT
Date Inj'd : 3/24/2025 4:43 AM Instrument :
Sample : IT015-LLSTD100 Quant Date : 3/24/2025 5:52 am

Compound #3: propylene



Original Peak Response = 2159810

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

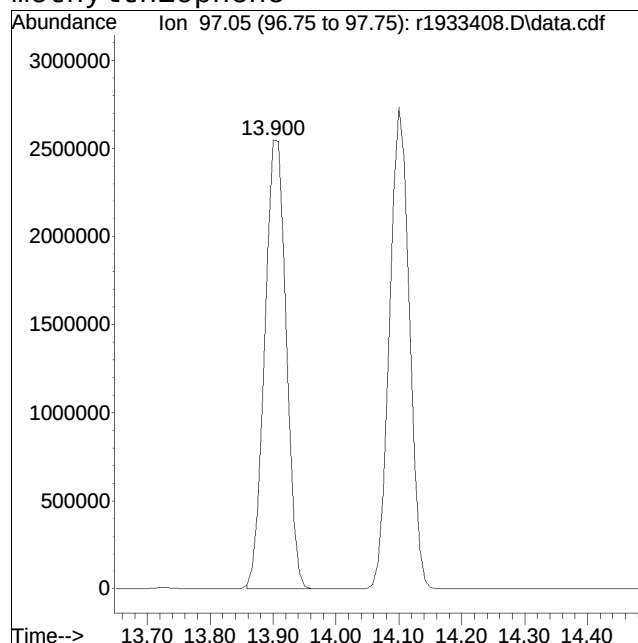
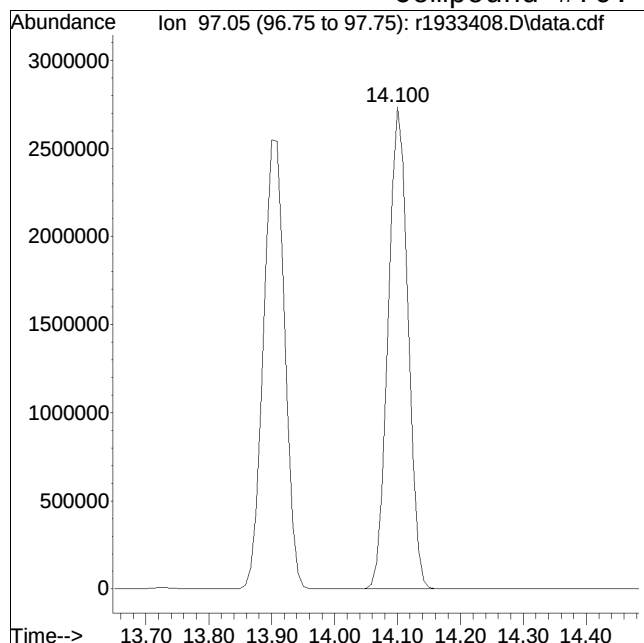


Manual Peak Response = 1986920 M6

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1933408.D Operator : AIRLAB19:JJT
Date Inj'd : 3/24/2025 4:43 AM Instrument :
Sample : IT015-LLSTD100 Quant Date : 3/24/2025 5:52 am

Compound #70: 2-methylthiophene



Original Peak Response = 6029715

Manual Peak Response = 6042619 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933411.D
 Acq On : 24 Mar 2025 10:01 AM
 Operator : AIRLAB19:JJT
 Sample : CT015-LLSTD10.0
 Misc : WG2044552,250 mL SS25-006C
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 30 07:48:04 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
 Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	bromochloromethane	1.000	1.000	0.0	81	0.00
2	chlorodifluoromethane	0.966	0.841	12.9	78	0.00
3	propylene	0.783	0.855	-9.2	99	0.00
4	propane	0.807	0.755	6.4	81	0.00
5	dichlorodifluoromethane	1.330	1.134	14.7	73	0.00
6 C	chloromethane	0.506	0.431	14.8	74	0.00
7	Freon-114	1.217	1.202	1.2	85	0.00
8 C	methanol	0.253	0.188	25.7	63	0.00
9 C	vinyl chloride	0.716	0.626	12.6	75	0.00
10 C	1,3-butadiene	0.571	0.470	17.7	79	0.00
11	butane	1.107	0.938	15.3	81	0.00
13 C	bromomethane	0.715	0.751	-5.0	91	0.00
14 C	chloroethane	0.573	0.628	-9.6	97	0.00
15	ethanol	0.598	0.531	11.2	77	0.00
16	dichlorofluoromethane	1.672	1.519	9.2	79	0.00
17 C	vinyl bromide	0.694	0.770	-11.0	97	0.00
18 C	acrolein	0.475	0.377	20.6	67	0.00
19	acetone	1.051	1.041	1.0	89	0.00
20 C	acetonitrile	0.905	0.871	3.8	85	0.00
21	trichlorofluoromethane	1.281	1.085	15.3	72	0.00
22	isopropyl alcohol	1.214	1.057	12.9	75	0.00
23 C	acrylonitrile	0.720	0.612	15.0	73	0.00
24	pentane	1.682	1.558	7.4	84	0.00
25	ethyl ether	1.529	1.280	16.3	67	0.00
26 C	1,1-dichloroethene	1.314	1.298	1.2	85	0.00
27	tertiary butyl alcohol	1.896	1.623	14.4	71	0.00
28 C	methylene chloride	0.798	0.785	1.6	84	0.00
29 C	3-chloropropene	1.234	1.369	-10.9	97	0.00
30 C	carbon disulfide	2.186	2.366	-8.2	94	0.00
31	Freon 113	1.464	1.543	-5.4	90	0.00
32	trans-1,2-dichloroethene	1.323	1.370	-3.6	88	0.00
33 C	1,1-dichloroethane	1.724	1.748	-1.4	88	0.00
34 C	MTBE	2.041	2.090	-2.4	88	0.00
35 C	vinyl acetate	2.032	1.477	27.3	61	0.00
36 C	2-butanone	1.681	1.798	-7.0	90	0.00
37	cis-1,2-dichloroethene	1.295	1.385	-6.9	92	0.00
38	Ethyl Acetate	0.344	0.381	-10.8	93	0.00
39 C	chloroform	1.314	1.178	10.4	76	0.00
40	Tetrahydrofuran	0.954	1.131	-18.6	105	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933411.D
 Acq On : 24 Mar 2025 10:01 AM
 Operator : AIRLAB19:JJT
 Sample : CT015-LLSTD10.0
 Misc : WG2044552,250 mL SS25-006C
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 30 07:48:04 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
 Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	2,2-dichloropropane	1.020	0.841	17.5	70	0.00
42 C	1,2-dichloroethane	0.948	0.757	20.1	69	0.00
43 I	1,4-difluorobenzene	1.000	1.000	0.0	93	0.00
44 C	hexane	0.610	0.493	19.2	85	0.00
45	diisopropyl ether	0.281	0.229	18.5	79	0.00
46	tert-butyl ethyl ether	1.035	0.812	21.5	75	0.00
47 s	1,2-dichloroethane-D4	0.225	0.169	24.9	64	0.00
48 C	1,1,1-trichloroethane	0.421	0.313	25.7	72	0.00
49	1,1-dichloropropene	0.373	0.326	12.6	85	0.00
50 C	benzene	0.879	0.787	10.5	88	0.00
52 C	carbon tetrachloride	0.330	0.257	22.1	74	0.00
53	cyclohexane	0.586	0.513	12.5	86	0.00
54	tert-amyl methyl ether	0.808	0.710	12.1	85	0.00
55	dibromomethane	0.277	0.221	20.2	77	0.00
56 C	1,2-dichloropropane	0.388	0.368	5.2	92	0.00
57	bromodichloromethane	0.441	0.369	16.3	80	0.00
58 C	1,4-dioxane	0.213	0.196	8.0	89	0.00
59 C	trichloroethene	0.382	0.345	9.7	88	0.00
60 C	2,2,4-trimethylpentane	1.737	1.566	9.8	87	0.00
61	methyl methacrylate	0.376	0.325	13.6	81	0.00
62	heptane	0.546	0.530	2.9	95	0.00
63 C	cis-1,3-dichloropropene	0.430	0.425	1.2	95	0.00
64 C	4-methyl-2-pentanone	0.630	0.604	4.1	91	0.00
65	trans-1,3-dichloropropene	0.318	0.324	-1.9	96	0.00
66 C	1,1,2-trichloroethane	0.369	0.338	8.4	88	0.00
67 I	chlorobenzene-D5	1.000	1.000	0.0	74	0.00
68 C	toluene	7.094	7.620	-7.4	86	0.00
69 s	toluene-D8	5.809	6.480	-11.6	81	0.02
71	1,3-dichloropropane	3.110	3.095	0.5	80	0.00
72	2-hexanone	3.784	4.319	-14.1	87	0.00
74	dibromochloromethane	2.931	3.169	-8.1	84	0.00
75 C	1,2-dibromoethane	3.157	3.775	-19.6	93	0.00
76	butyl acetate	0.941	1.038	-10.3	86	0.00
77	octane	2.757	2.746	0.4	79	0.00
78 C	tetrachloroethene	3.046	3.300	-8.3	88	0.00
79	1,1,1,2-tetrachloroethane	2.310	2.272	1.6	77	0.00
80 C	chlorobenzene	5.333	6.328	-18.7	92	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933411.D
 Acq On : 24 Mar 2025 10:01 AM
 Operator : AIRLAB19:JJT
 Sample : CT015-LLSTD10.0
 Misc : WG2044552,250 mL SS25-006C
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 30 07:48:04 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
 Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81 C	ethylbenzene	9.014	9.814	-8.9	84	0.00
83 C	m+p-xylene	7.193	7.963	-10.7	84	0.00
84 C	bromoform	2.637	3.217	-22.0	92	0.00
85 C	styrene	5.977	7.559	-26.5	96	0.00
86 C	1,1,2,2-tetrachloroethane	4.682	5.344	-14.1	87	0.00
87 C	o-xylene	7.020	7.874	-12.2	85	0.00
88	1,2,3-trichloropropane	3.511	3.714	-5.8	84	0.00
89	nonane	5.029	5.565	-10.7	87	0.00
90 s	bromofluorobenzene	4.139	4.598	-11.1	80	0.00
91 C	isopropylbenzene	9.484	10.757	-13.4	87	0.00
92	bromobenzene	4.671	4.886	-4.6	82	0.00
93	2-chlorotoluene	2.627	2.758	-5.0	83	0.00
94	n-propylbenzene	2.998	3.241	-8.1	84	0.00
95	4-chlorotoluene	2.638	2.701	-2.4	80	0.00
96	4-ethyl toluene	9.279	11.827	-27.5	96	0.00
97	1,3,5-trimethylbenzene	8.046	10.198	-26.7	96	0.00
98	tert-butylbenzene	8.126	8.858	-9.0	83	0.00
99	1,2,4-trimethylbenzene	8.116	10.129	-24.8	93	0.00
100	decane	7.839	8.485	-8.2	81	0.00
101 C	Benzyl Chloride	5.426	6.198	-14.2	74	0.00
102	1,3-dichlorobenzene	4.930	6.309	-28.0	92	0.00
103 C	1,4-dichlorobenzene	4.847	6.156	-27.0	93	0.00
104	sec-butylbenzene	11.815	13.633	-15.4	87	0.00
106	p-isopropyltoluene	9.339	10.107	-8.2	79	0.00
107	1,2-dichlorobenzene	4.642	5.693	-22.6	91	0.00
108	n-butylbenzene	8.181	8.875	-8.5	81	0.00
111 C	1,2-dibromo-3-chloropropane	1.703	1.582	7.1	67	0.00
112	undecane	7.905	8.352	-5.7	76	0.00
114	dodecane	7.416	7.389	0.4	69	0.00
115 C	1,2,4-trichlorobenzene	2.873	3.574	-24.4	82	0.00
116	naphthalene	7.866	7.749	1.5	67	0.00
117	1,2,3-trichlorobenzene	2.879	2.899	-0.7	70	0.00
119 C	hexachlorobutadiene	3.209	3.649	-13.7	80	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 : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933411.D
 Acq On : 24 Mar 2025 10:01 AM
 Operator : AIRLAB19:JJT
 Sample : CT015-LLSTD10.0
 Misc : WG2044552, 250 mL SS25-006C
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 30 07:48:04 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default-ICV-AP2 - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.775	49	246099	10.000	ppbV	0.00
Standard Area = 302966			Recovery =		81.23%	
43) 1,4-difluorobenzene	10.923	114	840618	10.000	ppbV	0.00
Standard Area = 905308			Recovery =		92.85%	
67) chlorobenzene-D5	15.608	54	107777	10.000	ppbV	# 0.00
Standard Area = 145207			Recovery =		74.22%	
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.600	65	141859	7.510	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		75.10%	
69) toluene-D8	13.717	98	698419	11.156	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery =		111.56%	
90) bromofluorobenzene	16.975	95	495525	11.108	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		111.08%	
Target Compounds						
					Qvalue	
2) chlorodifluoromethane	3.980	51	207009	8.709	ppbV	97
3) propylene	4.010	41	210340M6	10.910	ppbV	
4) propane	4.028	29	185743	9.352	ppbV	93
5) dichlorodifluoromethane	4.076	85	279034	8.526	ppbV	99
6) chloromethane	4.220	50	106113	8.529	ppbV	99
7) Freon-114	4.310	85	295899	9.879	ppbV	95
8) methanol	4.364	31	231400	37.156	ppbV	99
9) vinyl chloride	4.418	62	154135	8.745	ppbV	99
10) 1,3-butadiene	4.544	54	115741	8.235	ppbV	95
11) butane	4.592	43	230849	8.476	ppbV	98
13) bromomethane	4.796	94	184900	10.505	ppbV	100
14) chloroethane	4.958	64	154599	10.957	ppbV	97
15) ethanol	5.072	31	653080	44.386	ppbV	93
16) dichlorofluoromethane	5.054	67	373712	9.083	ppbV	99
17) vinyl bromide	5.300	106	189485	11.091	ppbV	98
18) acrolein	5.407	56	92755	7.941	ppbV	95
19) acetone	5.527	43	1280624	49.502	ppbV	99
20) acetonitrile	5.280	41	214262	9.626	ppbV	97
21) trichlorofluoromethane	5.717	101	266915	8.468	ppbV	99
22) isopropyl alcohol	5.780	45	650478	21.778	ppbV	99
23) acrylonitrile	6.007	53	150504	8.500	ppbV	99
24) pentane	6.083	43	383448	9.265	ppbV	97
25) ethyl ether	6.093	31	315068	8.373	ppbV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933411.D
 Acq On : 24 Mar 2025 10:01 AM
 Operator : AIRLAB19:JJT
 Sample : CT015-LLSTD10.0
 Misc : WG2044552, 250 mL SS25-006C
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 30 07:48:04 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) 1,1-dichloroethene	6.362	61	319452	9.880	ppbV	95
27) tertiary butyl alcohol	6.386	59	399329	8.557	ppbV	98
28) methylene chloride	6.494	49	193190	9.839	ppbV	96
29) 3-chloropropene	6.614	41	336914	11.092	ppbV	94
30) carbon disulfide	6.776	76	582333	10.823	ppbV	97
31) Freon 113	6.776	101	379824	10.544	ppbV	96
32) trans-1,2-dichloroethene	7.483	61	337132	10.352	ppbV	96
33) 1,1-dichloroethane	7.692	63	430065	10.135	ppbV	99
34) MTBE	7.742	73	514397	10.242	ppbV	96
35) vinyl acetate	7.867	43	363493	7.268	ppbV	99
36) 2-butanone	8.100	43	442417	10.697	ppbV	96
37) cis-1,2-dichloroethene	8.600	61	340755	10.689	ppbV	97
38) Ethyl Acetate	8.850	61	93735	11.065	ppbV	80
39) chloroform	8.925	83	289830	8.960	ppbV	99
40) Tetrahydrofuran	9.333	42	278331	11.850	ppbV	99
41) 2,2-dichloropropane	8.942	77	207045	8.248	ppbV	96
42) 1,2-dichloroethane	9.725	62	186187	7.981	ppbV #	94
44) hexane	8.842	57	414129	8.077	ppbV	89
45) diisopropyl ether	8.825	87	192121	8.145	ppbV	96
46) tert-butyl ethyl ether	9.417	59	683000	7.852	ppbV	99
48) 1,1,1-trichloroethane	10.000	97	263070	7.439	ppbV	97
49) 1,1-dichloropropene	10.357	75	274213	8.747	ppbV	95
50) benzene	10.510	78	661718	8.959	ppbV	95
52) carbon tetrachloride	10.677	117	216192	7.793	ppbV	97
53) cyclohexane	10.817	56	431583	8.766	ppbV	97
54) tert-amyl methyl ether	11.177	73	596747	8.788	ppbV	97
55) dibromomethane	11.397	93	185800	7.974	ppbV	94
56) 1,2-dichloropropane	11.430	63	309178	9.476	ppbV	98
57) bromodichloromethane	11.650	83	310126	8.372	ppbV	99
58) 1,4-dioxane	11.683	88	164975	9.214	ppbV	99
59) trichloroethene	11.703	130	290170	9.037	ppbV	99
60) 2,2,4-trimethylpentane	11.750	57	1316590	9.018	ppbV	99
61) methyl methacrylate	11.937	41	272999	8.630	ppbV	95
62) heptane	12.063	43	445513	9.711	ppbV	95
63) cis-1,3-dichloropropene	12.692	75	357520	9.898	ppbV	96
64) 4-methyl-2-pentanone	12.725	43	507551	9.579	ppbV	96
65) trans-1,3-dichloropropene	13.300	75	272195	10.174	ppbV	97
66) 1,1,2-trichloroethane	13.500	97	284303	9.155	ppbV	95
68) toluene	13.825	91	821254	10.742	ppbV	99
71) 1,3-dichloropropane	13.858	76	333612	9.954	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933411.D
 Acq On : 24 Mar 2025 10:01 AM
 Operator : AIRLAB19:JJT
 Sample : CT015-LLSTD10.0
 Misc : WG2044552, 250 mL SS25-006C
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 30 07:48:04 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default-ICV-AP2 - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72)	2-hexanone	14.117	43	465474	11.414	ppbV	92
74)	dibromochloromethane	14.283	129	341578	10.812	ppbV	97
75)	1,2-dibromoethane	14.542	107	406818	11.956	ppbV	99
76)	butyl acetate	14.792	73	111830	11.023	ppbV	89
77)	octane	14.892	85	295948	9.961	ppbV	92
78)	tetrachloroethene	15.008	166	355617	10.831	ppbV	93
79)	1,1,1,2-tetrachloroethane	15.633	131	244842	9.836	ppbV	98
80)	chlorobenzene	15.650	112	682041	11.867	ppbV	97
81)	ethylbenzene	16.008	91	1057726	10.888	ppbV	94
83)	m+p-xylene	16.167	91	1716532	22.142	ppbV	91
84)	bromoform	16.225	173	346718	12.198	ppbV	99
85)	styrene	16.492	104	814657	12.647	ppbV	96
86)	1,1,2,2-tetrachloroethane	16.583	83	575941	11.414	ppbV	100
87)	o-xylene	16.583	91	848679	11.217	ppbV	93
88)	1,2,3-trichloropropane	16.692	75	400279	10.577	ppbV	97
89)	nonane	16.792	43	599786	11.066	ppbV	93
91)	isopropylbenzene	17.092	105	1159364	11.343	ppbV	99
92)	bromobenzene	17.167	77	526565	10.459	ppbV	94
93)	2-chlorotoluene	17.500	126	297273	10.499	ppbV	93
94)	n-propylbenzene	17.525	120	349323	10.811	ppbV	93
95)	4-chlorotoluene	17.558	126	291074	10.237	ppbV	93
96)	4-ethyl toluene	17.650	105	1274634	12.746	ppbV	97
97)	1,3,5-trimethylbenzene	17.717	105	1099152	12.675	ppbV	99
98)	tert-butylbenzene	18.060	119	954685	10.901	ppbV	100
99)	1,2,4-trimethylbenzene	18.068	105	1091649	12.479	ppbV #	89
100)	decane	18.152	57	914509	10.824	ppbV	96
101)	Benzyl Chloride	18.185	91	668047	11.424	ppbV	97
102)	1,3-dichlorobenzene	18.202	146	679930	12.797	ppbV	98
103)	1,4-dichlorobenzene	18.260	146	663468	12.702	ppbV	99
104)	sec-butylbenzene	18.293	105	1469366	11.539	ppbV	97
106)	p-isopropyltoluene	18.427	119	1089260	10.822	ppbV	100
107)	1,2-dichlorobenzene	18.543	146	613599	12.264	ppbV	98
108)	n-butylbenzene	18.768	91	956552	10.848	ppbV	98
111)	1,2-dibromo-3-chloropr...	18.902	75	170544	9.290	ppbV	88
112)	undecane	19.160	57	900183	10.566	ppbV	96
114)	dodecane	19.992	57	796384	9.963	ppbV	96
115)	1,2,4-trichlorobenzene	19.933	180	385163	12.440	ppbV	98
116)	naphthalene	20.042	128	835185	9.852	ppbV	99
117)	1,2,3-trichlorobenzene	20.275	180	312442	10.070	ppbV	99
119)	hexachlorobutadiene	20.342	225	393307	11.371	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
 Data File : r1933411.D
 Acq On : 24 Mar 2025 10:01 AM
 Operator : AIRLAB19:JJT
 Sample : CT015-LLSTD10.0
 Misc : WG2044552,250 mL SS25-006C
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 30 07:48:04 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
 Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

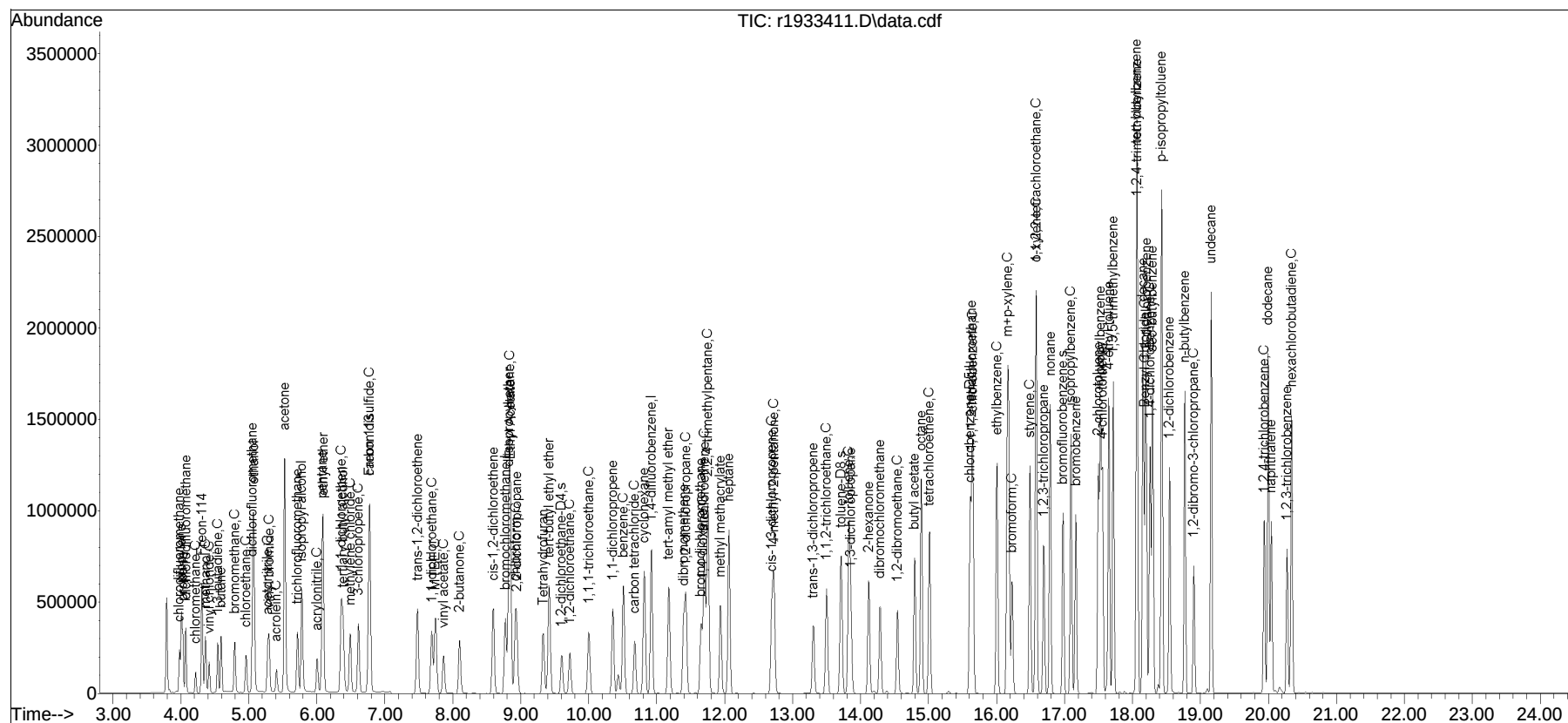
CCAL FILE : X:\Airlab\Data\Airlab19\2025\03\0323T_I\r1933405.D
 Sub List : Default-ICV-AP2 - All compounds listed

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

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

```
Data Path   : X:\Airlab\Data\Airlab19\2025\03\0323T_I\
Data File  : r1933411.D
Acq On     : 24 Mar 2025   10:01 AM
Operator   : AIRLAB19:JJT
Sample     : CT015-LLSTD10.0
Misc       : WG2044552,250 mL SS25-006C
ALS Vial   : 0      Sample Multiplier: 1
```

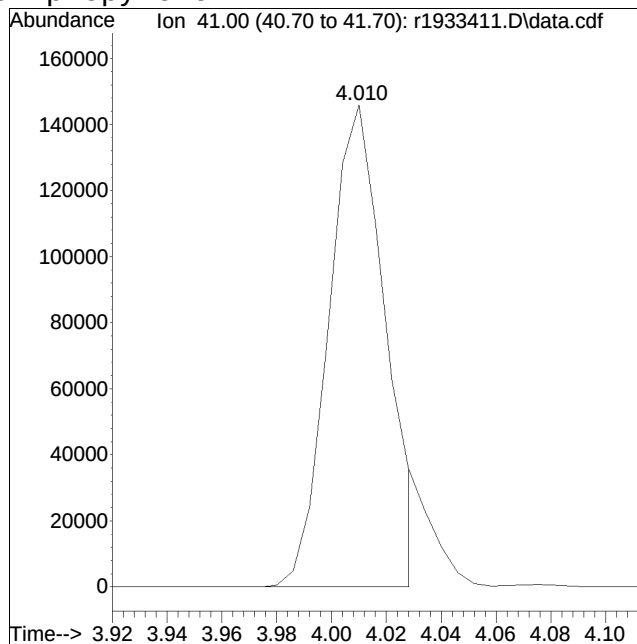
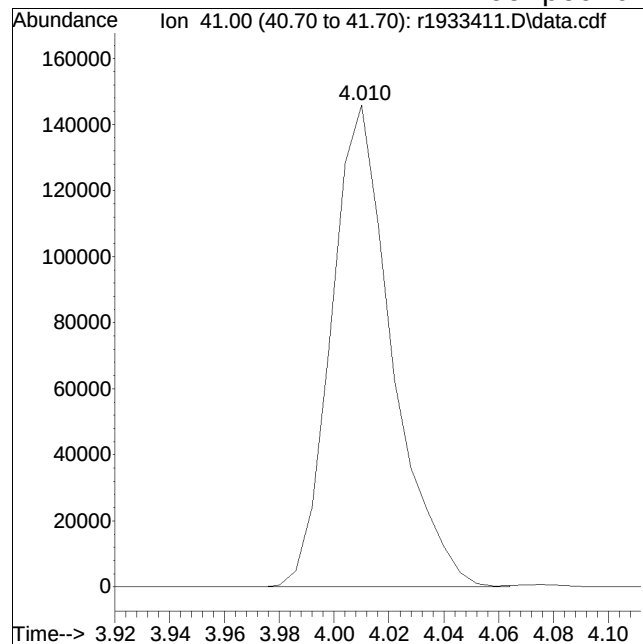
Quant Time: Mar 30 07:48:04 2025
Quant Method : X:\Airlab\Data\Airlab19\2025\03\0323T_I\TFS19_250323.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Sun Mar 30 07:46:23 2025
Response via : Initial Calibration



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab19\20QMethod : TFS19_250323.M
Data File : r1933411.D Operator : AIRLAB19:JJT
Date Inj'd : 3/24/2025 10:01 AM Instrument :
Sample : CT015-LLSTD10.0 Quant Date : 3/30/2025 7:48 am

Compound #3: propylene



Original Peak Response = 225292

Manual Peak Response = 210340 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Continuing Calibration

Calibration Verification Summary

Form 7

Air Volatiles

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Instrument ID : AIRLAB19
 Lab File ID : R1934340
 Sample No : WG2063684-2
 Channel :

Lab Number : L2525337
 Project Number : 170447
 Calibration Date : 05/07/25 11:24
 Init. Calib. Date(s) : 03/23/25 03/24/25
 Init. Calib. Times : 23:58 04:43

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
bromochloromethane	1	1	-	0	30	112	0
chlorodifluoromethane	0.966	1.014	-	-5	30	129	0
propylene	0.783	0.706	-	9.8	30	112	0
propane	0.807	0.812	-	-0.6	30	121	0
dichlorodifluoromethane	1.33	1.402	-	-5.4	30	125	0
chloromethane	0.506	0.531	-	-4.9	30	126	0
Freon-114	1.217	1.21	-	0.6	30	118	0
methanol	0.253	0.27	-	-6.7	30	125	0
vinyl chloride	0.716	0.679	-	5.2	30	112	0
1,3-butadiene	0.571	0.672	-	-17.7	30	156	0
butane	1.107	1.256	-	-13.5	30	151	0
bromomethane	0.715	0.653	-	8.7	30	109	0
chloroethane	0.573	0.505	-	11.9	30	107	0
ethanol	0.598	0.587	-	1.8	30	118	0
dichlorofluoromethane	1.672	1.683	-	-0.7	30	121	0
vinyl bromide	0.694	0.603	-	13.1	30	104	0
acrolein	0.475	0.458	-	3.6	30	113	0
acetone	1.051	1.035	-	1.5	30	122	0
acetonitrile	0.905	0.817	-	9.7	30	110	0
trichlorofluoromethane	1.281	1.31	-	-2.3	30	120	0
isopropyl alcohol	1.214	1.413	-	-16.4	30	139	0
acrylonitrile	0.72	0.689	-	4.3	30	113	0
pentane	1.682	1.537	-	8.6	30	114	.01
ethyl ether	1.529	1.361	-	11	30	98	0
1,1-dichloroethene	1.314	1.249	-	4.9	30	113	.01
tertiary butyl alcohol	1.896	1.916	-	-1.1	30	116	0
methylene chloride	0.798	0.812	-	-1.8	30	120	0
3-chloropropene	1.234	1.166	-	5.5	30	114	.01
carbon disulfide	2.186	2.097	-	4.1	30	115	.01
Freon 113	1.464	1.385	-	5.4	30	111	0
trans-1,2-dichloroethene	1.323	1.227	-	7.3	30	109	0
1,1-dichloroethane	1.724	1.583	-	8.2	30	110	0
MTBE	2.041	1.943	-	4.8	30	113	.02
vinyl acetate	2.032	2.063	-	-1.5	30	118	0
2-butanone	1.681	1.693	-	-0.7	30	117	.02
cis-1,2-dichloroethene	1.295	1.198	-	7.5	30	110	.02
Ethyl Acetate	0.344	0.32	-	7	30	108	.02
chloroform	1.314	1.319	-	-0.4	30	118	.02
Tetrahydrofuran	0.954	0.882	-	7.5	30	113	.02
2,2-dichloropropane	1.02	1.07	-	-4.9	30	123	0
1,2-dichloroethane	0.948	0.978	-	-3.2	30	123	0
1,4-difluorobenzene	1	1	-	0	30	103	0
hexane	0.61	0.564	-	7.5	30	108	.02

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Air Volatiles

Client : AKRF, Inc.
 Project Name : 485 VAN SINDEREN AVENUE
 Instrument ID : AIRLAB19
 Lab File ID : R1934340
 Sample No : WG2063684-2
 Channel :

Lab Number : L2525337
 Project Number : 170447
 Calibration Date : 05/07/25 11:24
 Init. Calib. Date(s) : 03/23/25 03/24/25
 Init. Calib. Times : 23:58 04:43

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
diisopropyl ether	0.281	0.283	-	-0.7	30	109	0
tert-butyl ethyl ether	1.035	1.062	-	-2.6	30	109	0
1,1,1-trichloroethane	0.421	0.471	-	-11.9	30	119	0
1,1-dichloropropene	0.373	0.39	-	-4.6	30	113	.01
benzene	0.879	0.926	-	-5.3	30	115	.01
carbon tetrachloride	0.33	0.392	-	-18.8	30	124	.01
cyclohexane	0.586	0.589	-	-0.5	30	109	.01
tert-amyl methyl ether	0.808	0.832	-	-3	30	110	.01
dibromomethane	0.277	0.292	-	-5.4	30	113	0
1,2-dichloropropane	0.388	0.39	-	-0.5	30	108	0
bromodichloromethane	0.441	0.491	-	-11.3	30	119	0
1,4-dioxane	0.213	0.224	-	-5.2	30	113	0
trichloroethene	0.382	0.384	-	-0.5	30	108	0
2,2,4-trimethylpentane	1.737	1.763	-	-1.5	30	108	0
methyl methacrylate	0.376	0.415	-	-10.4	30	115	.01
heptane	0.546	0.579	-	-6	30	115	0
cis-1,3-dichloropropene	0.43	0.458	-	-6.5	30	113	0
4-methyl-2-pentanone	0.63	0.699	-	-11	30	117	0
trans-1,3-dichloropropene	0.318	0.348	-	-9.4	30	114	0
1,1,2-trichloroethane	0.369	0.375	-	-1.6	30	109	0
chlorobenzene-D5	1	1	-	0	30	116	0
toluene	7.094	6.343	-	10.6	30	112	0
1,3-dichloropropane	3.11	2.842	-	8.6	30	115	0
2-hexanone	3.784	3.662	-	3.2	30	116	0
dibromochloromethane	2.931	2.671	-	8.9	30	111	0
1,2-dibromoethane	3.157	2.759	-	12.6	30	106	0
butyl acetate	0.941	0.837	-	11.1	30	109	0
octane	2.757	2.446	-	11.3	30	110	0
tetrachloroethene	3.046	2.523	-	17.2	30	106	0
1,1,1,2-tetrachloroethane	2.31	2.148	-	7	30	114	0
chlorobenzene	5.333	4.779	-	10.4	30	109	0
ethylbenzene	9.014	8.44	-	6.4	30	113	0
m+p-xylene	7.193	6.891	-	4.2	30	114	0
bromoform	2.637	2.446	-	7.2	30	110	0
styrene	5.977	5.236	-	12.4	30	104	0
1,1,2,2-tetrachloroethane	4.682	4.451	-	4.9	30	114	0
o-xylene	7.02	6.813	-	2.9	30	116	0
1,2,3-trichloropropane	3.511	3.298	-	6.1	30	116	0
nonane	5.029	4.718	-	6.2	30	116	0
isopropylbenzene	9.484	8.514	-	10.2	30	108	-.02
bromobenzene	4.671	4.369	-	6.5	30	115	-.02
2-chlorotoluene	2.627	2.367	-	9.9	30	111	0
n-propylbenzene	2.998	2.684	-	10.5	30	109	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Air Volatiles

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Instrument ID : AIRLAB19
Lab File ID : R1934340
Sample No : WG2063684-2
Channel :

Lab Number : L2525337
Project Number : 170447
Calibration Date : 05/07/25 11:24
Init. Calib. Date(s) : 03/23/25 03/24/25
Init. Calib. Times : 23:58 04:43

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4-chlorotoluene	2.638	2.425	-	8.1	30	113	-.02
4-ethyl toluene	9.279	8.384	-	9.6	30	107	0
1,3,5-trimethylbenzene	8.046	7.349	-	8.7	30	108	-.02
tert-butylbenzene	8.126	7.871	-	3.1	30	116	-.02
1,2,4-trimethylbenzene	8.116	7.448	-	8.2	30	107	-.02
decane	7.839	7.243	-	7.6	30	109	-.02
Benzyl Chloride	5.426	5.781	-	-6.5	30	109	-.02
1,3-dichlorobenzene	4.93	4.642	-	5.8	30	107	-.02
1,4-dichlorobenzene	4.847	4.492	-	7.3	30	107	-.02
sec-butylbenzene	11.815	10.873	-	8	30	109	-.02
p-isopropyltoluene	9.339	9.157	-	1.9	30	113	-.02
1,2-dichlorobenzene	4.642	4.211	-	9.3	30	106	-.02
n-butylbenzene	8.181	7.411	-	9.4	30	106	-.02
1,2-dibromo-3-chloropropan	1.703	1.598	-	6.2	30	107	-.02
undecane	7.905	7.306	-	7.6	30	104	-.02
dodecane	7.416	6.441	-	13.1	30	94	-.02
1,2,4-trichlorobenzene	2.873	2.309	-	19.6	30	83	-.02
naphthalene	7.866	6.378	-	18.9	30	86	-.03
1,2,3-trichlorobenzene	2.879	2.239	-	22.2	30	84	-.02
hexachlorobutadiene	3.209	2.986	-	6.9	30	103	-.02

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934340.D
 Acq On : 7 May 2025 11:24 AM
 Operator : AIRLAB19:TPH
 Sample : WG2063684-2,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 07 13:36:04 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
 Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	bromochloromethane	1.000	1.000	0.0	112	0.00
2	chlorodifluoromethane	0.966	1.014	-5.0	129	0.00
3	propylene	0.783	0.706	9.8	112	0.00
4	propane	0.807	0.812	-0.6	121	0.00
5	dichlorodifluoromethane	1.330	1.402	-5.4	125	0.00
6 C	chloromethane	0.506	0.531	-4.9	126	0.00
7	Freon-114	1.217	1.210	0.6	118	0.00
8 C	methanol	0.253	0.270	-6.7	125	0.00
9 C	vinyl chloride	0.716	0.679	5.2	112	0.00
10 C	1,3-butadiene	0.571	0.672	-17.7	156#	0.00
11	butane	1.107	1.256	-13.5	151#	0.00
13 C	bromomethane	0.715	0.653	8.7	109	0.00
14 C	chloroethane	0.573	0.505	11.9	107	0.00
15	ethanol	0.598	0.587	1.8	118	0.00
16	dichlorofluoromethane	1.672	1.683	-0.7	121	0.00
17 C	vinyl bromide	0.694	0.603	13.1	104	0.00
18 C	acrolein	0.475	0.458	3.6	113	0.00
19	acetone	1.051	1.035	1.5	122	0.00
20 C	acetonitrile	0.905	0.817	9.7	110	0.00
21	trichlorofluoromethane	1.281	1.310	-2.3	120	0.00
22	isopropyl alcohol	1.214	1.413	-16.4	139	0.00
23 C	acrylonitrile	0.720	0.689	4.3	113	0.00
24	pentane	1.682	1.537	8.6	114	0.01
25	ethyl ether	1.529	1.361	11.0	98	0.00
26 C	1,1-dichloroethene	1.314	1.249	4.9	113	0.01
27	tertiary butyl alcohol	1.896	1.916	-1.1	116	0.00
28 C	methylene chloride	0.798	0.812	-1.8	120	0.00
29 C	3-chloropropene	1.234	1.166	5.5	114	0.01
30 C	carbon disulfide	2.186	2.097	4.1	115	0.01
31	Freon 113	1.464	1.385	5.4	111	0.00
32	trans-1,2-dichloroethene	1.323	1.227	7.3	109	0.00
33 C	1,1-dichloroethane	1.724	1.583	8.2	110	0.00
34 C	MTBE	2.041	1.943	4.8	113	0.02
35 C	vinyl acetate	2.032	2.063	-1.5	118	0.00
36 C	2-butanone	1.681	1.693	-0.7	117	0.02
37	cis-1,2-dichloroethene	1.295	1.198	7.5	110	0.02
38	Ethyl Acetate	0.344	0.320	7.0	108	0.02
39 C	chloroform	1.314	1.319	-0.4	118	0.02
40	Tetrahydrofuran	0.954	0.882	7.5	113	0.02

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934340.D
 Acq On : 7 May 2025 11:24 AM
 Operator : AIRLAB19:TPH
 Sample : WG2063684-2,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 07 13:36:04 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
 Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	2,2-dichloropropane	1.020	1.070	-4.9	123	0.00
42 C	1,2-dichloroethane	0.948	0.978	-3.2	123	0.00
43 I	1,4-difluorobenzene	1.000	1.000	0.0	103	0.00
44 C	hexane	0.610	0.564	7.5	108	0.02
45	diisopropyl ether	0.281	0.283	-0.7	109	0.00
46	tert-butyl ethyl ether	1.035	1.062	-2.6	109	0.00
48 C	1,1,1-trichloroethane	0.421	0.471	-11.9	119	0.00
49	1,1-dichloropropene	0.373	0.390	-4.6	113	0.01
50 C	benzene	0.879	0.926	-5.3	115	0.01
52 C	carbon tetrachloride	0.330	0.392	-18.8	124	0.01
53	cyclohexane	0.586	0.589	-0.5	109	0.01
54	tert-amyl methyl ether	0.808	0.832	-3.0	110	0.01
55	dibromomethane	0.277	0.292	-5.4	113	0.00
56 C	1,2-dichloropropane	0.388	0.390	-0.5	108	0.00
57	bromodichloromethane	0.441	0.491	-11.3	119	0.00
58 C	1,4-dioxane	0.213	0.224	-5.2	113	0.00
59 C	trichloroethene	0.382	0.384	-0.5	108	0.00
60 C	2,2,4-trimethylpentane	1.737	1.763	-1.5	108	0.00
61	methyl methacrylate	0.376	0.415	-10.4	115	0.01
62	heptane	0.546	0.579	-6.0	115	0.00
63 C	cis-1,3-dichloropropene	0.430	0.458	-6.5	113	0.00
64 C	4-methyl-2-pentanone	0.630	0.699	-11.0	117	0.00
65	trans-1,3-dichloropropene	0.318	0.348	-9.4	114	0.00
66 C	1,1,2-trichloroethane	0.369	0.375	-1.6	109	0.00
67 I	chlorobenzene-D5	1.000	1.000	0.0	116	0.00
68 C	toluene	7.094	6.343	10.6	112	0.00
71	1,3-dichloropropane	3.110	2.842	8.6	115	0.00
72	2-hexanone	3.784	3.662	3.2	116	0.00
74	dibromochloromethane	2.931	2.671	8.9	111	0.00
75 C	1,2-dibromoethane	3.157	2.759	12.6	106	0.00
76	butyl acetate	0.941	0.837	11.1	109	0.00
77	octane	2.757	2.446	11.3	110	0.00
78 C	tetrachloroethene	3.046	2.523	17.2	106	0.00
79	1,1,1,2-tetrachloroethane	2.310	2.148	7.0	114	0.00
80 C	chlorobenzene	5.333	4.779	10.4	109	0.00
81 C	ethylbenzene	9.014	8.440	6.4	113	0.00
83 C	m+p-xylene	7.193	6.891	4.2	114	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934340.D
 Acq On : 7 May 2025 11:24 AM
 Operator : AIRLAB19:TPH
 Sample : WG2063684-2,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 07 13:36:04 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
 Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
84 C	bromoform	2.637	2.446	7.2	110	0.00
85 C	styrene	5.977	5.236	12.4	104	0.00
86 C	1,1,2,2-tetrachloroethane	4.682	4.451	4.9	114	0.00
87 C	o-xylene	7.020	6.813	2.9	116	0.00
88	1,2,3-trichloropropane	3.511	3.298	6.1	116	0.00
89	nonane	5.029	4.718	6.2	116	0.00
91 C	isopropylbenzene	9.484	8.514	10.2	108	-0.02
92	bromobenzene	4.671	4.369	6.5	115	-0.02
93	2-chlorotoluene	2.627	2.367	9.9	111	0.00
94	n-propylbenzene	2.998	2.684	10.5	109	0.00
95	4-chlorotoluene	2.638	2.425	8.1	113	-0.02
96	4-ethyl toluene	9.279	8.384	9.6	107	0.00
97	1,3,5-trimethylbenzene	8.046	7.349	8.7	108	-0.02
98	tert-butylbenzene	8.126	7.871	3.1	116	-0.02
99	1,2,4-trimethylbenzene	8.116	7.448	8.2	107	-0.02
100	decane	7.839	7.243	7.6	109	-0.02
101 C	Benzyl Chloride	5.426	5.781	-6.5	109	-0.02
102	1,3-dichlorobenzene	4.930	4.642	5.8	107	-0.02
103 C	1,4-dichlorobenzene	4.847	4.492	7.3	107	-0.02
104	sec-butylbenzene	11.815	10.873	8.0	109	-0.02
106	p-isopropyltoluene	9.339	9.157	1.9	113	-0.02
107	1,2-dichlorobenzene	4.642	4.211	9.3	106	-0.02
108	n-butylbenzene	8.181	7.411	9.4	106	-0.02
111 C	1,2-dibromo-3-chloropropane	1.703	1.598	6.2	107	-0.02
112	undecane	7.905	7.306	7.6	104	-0.02
114	dodecane	7.416	6.441	13.1	94	-0.02
115 C	1,2,4-trichlorobenzene	2.873	2.309	19.6	83	-0.02
116	naphthalene	7.866	6.378	18.9	86	-0.03
117	1,2,3-trichlorobenzene	2.879	2.239	22.2	84	-0.02
119 C	hexachlorobutadiene	3.209	2.986	6.9	103	-0.02

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934340.D
 Acq On : 7 May 2025 11:24 AM
 Operator : AIRLAB19:TPH
 Sample : WG2063684-2,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 07 13:36:04 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : Default-LCS-AP2 - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.783	49	339843	10.000	ppbV	0.00
Standard Area = 339843			Recovery	=	100.00%	
43) 1,4-difluorobenzene	10.923	114	931395	10.000	ppbV	0.00
Standard Area = 931395			Recovery	=	100.00%	
67) chlorobenzene-D5	15.600	54	169143	10.000	ppbV	0.00
Standard Area = 169143			Recovery	=	100.00%	

System Monitoring Compounds

Target Compounds					Qvalue	
2) chlorodifluoromethane	3.986	51	344590	10.498	ppbV	99
3) propylene	4.016	41	240072M6	9.017	ppbV	
4) propane	4.034	29	275885	10.059	ppbV	98
5) dichlorodifluoromethane	4.076	85	476332	10.540	ppbV	100
6) chloromethane	4.226	50	180458	10.503	ppbV	100
7) Freon-114	4.316	85	411062	9.939	ppbV	99
8) methanol	4.370	31	459100	53.383	ppbV	96
9) vinyl chloride	4.424	62	230662	9.477	ppbV	99
10) 1,3-butadiene	4.550	54	228437	11.769	ppbV	93
11) butane	4.598	43	426966	11.352	ppbV	94
13) bromomethane	4.802	94	222011	9.134	ppbV	98
14) chloroethane	4.970	64	171541	8.804	ppbV	99
15) ethanol	5.084	31	998099	49.123	ppbV	99
16) dichlorofluoromethane	5.066	67	571804	10.064	ppbV #	98
17) vinyl bromide	5.310	106	204913	8.686	ppbV	97
18) acrolein	5.417	56	155642	9.650	ppbV	97
19) acetone	5.537	43	1758563	49.226	ppbV	92
20) acetonitrile	5.287	41	277797	9.037	ppbV	100
21) trichlorofluoromethane	5.727	101	445209	10.228	ppbV	100
22) isopropyl alcohol	5.790	45	1200071	29.095	ppbV	99
23) acrylonitrile	6.017	53	234042	9.571	ppbV	98
24) pentane	6.093	43	522488	9.142	ppbV	99
25) ethyl ether	6.103	31	462490	8.900	ppbV	98
26) 1,1-dichloroethene	6.374	61	424448	9.506	ppbV	97
27) tertiary butyl alcohol	6.398	59	651272	10.106	ppbV	95
28) methylene chloride	6.500	49	275874	10.174	ppbV	95
29) 3-chloropropene	6.626	41	396347	9.450	ppbV	97
30) carbon disulfide	6.788	76	712691	9.592	ppbV	98
31) Freon 113	6.782	101	470582	9.460	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934340.D
 Acq On : 7 May 2025 11:24 AM
 Operator : AIRLAB19:TPH
 Sample : WG2063684-2,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 07 13:36:04 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) trans-1,2-dichloroethene	7.492	61	417071	9.274	ppbV	98
33) 1,1-dichloroethane	7.700	63	537908	9.180	ppbV	100
34) MTBE	7.758	73	660338	9.521	ppbV	97
35) vinyl acetate	7.875	43	700928	10.149	ppbV	99
36) 2-butanone	8.117	43	575266	10.073	ppbV	97
37) cis-1,2-dichloroethene	8.608	61	407159	9.249	ppbV	97
38) Ethyl Acetate	8.858	61	108752	9.296	ppbV	99
39) chloroform	8.933	83	448188	10.033	ppbV	97
40) Tetrahydrofuran	9.342	42	299590	9.237	ppbV	97
41) 2,2-dichloropropane	8.950	77	363663	10.491	ppbV	97
42) 1,2-dichloroethane	9.725	62	332535	10.323	ppbV	98
44) hexane	8.850	57	524857	9.239	ppbV	87
45) diisopropyl ether	8.833	87	263776	10.093	ppbV	92
46) tert-butyl ethyl ether	9.425	59	989571	10.268	ppbV	99
48) 1,1,1-trichloroethane	10.008	97	439022	11.204	ppbV	99
49) 1,1-dichloropropene	10.363	75	363536	10.466	ppbV	95
50) benzene	10.517	78	862459	10.539	ppbV	99
52) carbon tetrachloride	10.683	117	364962	11.873	ppbV	98
53) cyclohexane	10.823	56	548560	10.055	ppbV	97
54) tert-amyl methyl ether	11.183	73	774480	10.294	ppbV	98
55) dibromomethane	11.397	93	271945	10.533	ppbV	97
56) 1,2-dichloropropane	11.430	63	363310	10.050	ppbV	97
57) bromodichloromethane	11.650	83	457541	11.148	ppbV	99
58) 1,4-dioxane	11.683	88	208964	10.533	ppbV	97
59) trichloroethene	11.703	130	357418	10.047	ppbV	99
60) 2,2,4-trimethylpentane	11.750	57	1641745	10.149	ppbV	97
61) methyl methacrylate	11.943	41	386539	11.028	ppbV	95
62) heptane	12.063	43	539082	10.605	ppbV	96
63) cis-1,3-dichloropropene	12.692	75	426265	10.651	ppbV	97
64) 4-methyl-2-pentanone	12.725	43	651400	11.096	ppbV	94
65) trans-1,3-dichloropropene	13.300	75	324236	10.938	ppbV	99
66) 1,1,2-trichloroethane	13.492	97	349057	10.144	ppbV	97
68) toluene	13.825	91	1072908	8.942	ppbV	100
71) 1,3-dichloropropane	13.850	76	480648	9.138	ppbV	99
72) 2-hexanone	14.117	43	619341	9.677	ppbV	91
74) dibromochloromethane	14.283	129	451761	9.112	ppbV	97
75) 1,2-dibromoethane	14.533	107	466614	8.738	ppbV	99
76) butyl acetate	14.783	73	141582	8.893	ppbV	94
77) octane	14.883	85	413649	8.871	ppbV	95
78) tetrachloroethene	15.000	166	426744	8.282	ppbV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934340.D
 Acq On : 7 May 2025 11:24 AM
 Operator : AIRLAB19:TPH
 Sample : WG2063684-2,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 07 13:36:04 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

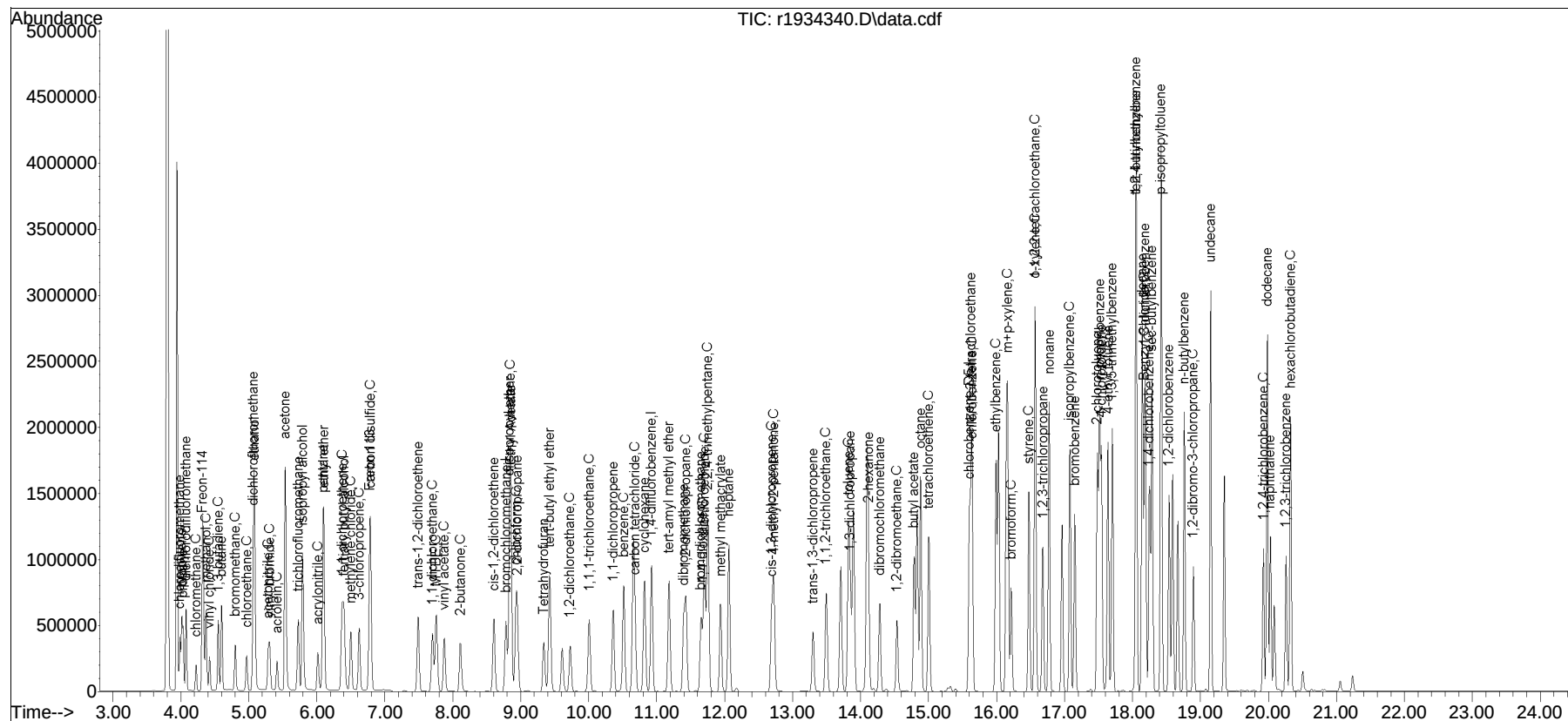
CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : Default-LCS-AP2 - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79)	1,1,1,2-tetrachloroethane	15.625	131	363261	9.299	ppbV	99
80)	chlorobenzene	15.642	112	808279	8.961	ppbV	95
81)	ethylbenzene	15.992	91	1427600	9.364	ppbV	96
83)	m+p-xylene	16.158	91	2331065	19.160	ppbV	96
84)	bromoform	16.217	173	413732	9.274	ppbV	99
85)	styrene	16.475	104	885708	8.762	ppbV	96
86)	1,1,2,2-tetrachloroethane	16.567	83	752831	9.507	ppbV	100
87)	o-xylene	16.567	91	1152418	9.706	ppbV	95
88)	1,2,3-trichloropropane	16.683	75	557790	9.392	ppbV	97
89)	nonane	16.775	43	798006	9.381	ppbV	93
91)	isopropylbenzene	17.075	105	1440060	8.978	ppbV	98
92)	bromobenzene	17.150	77	738960	9.353	ppbV	98
93)	2-chlorotoluene	17.483	126	400411	9.011	ppbV	91
94)	n-propylbenzene	17.517	120	453980	8.952	ppbV	91
95)	4-chlorotoluene	17.542	126	410212	9.193	ppbV	93
96)	4-ethyl toluene	17.642	105	1418016	9.035	ppbV	99
97)	1,3,5-trimethylbenzene	17.700	105	1243027	9.134	ppbV	99
98)	tert-butylbenzene	18.052	119	1331242	9.686	ppbV	98
99)	1,2,4-trimethylbenzene	18.052	105	1259805	9.177	ppbV	91
100)	decane	18.143	57	1225069	9.239	ppbV	95
101)	Benzyl Chloride	18.177	91	977752	10.654	ppbV	100
102)	1,3-dichlorobenzene	18.185	146	785217	9.417	ppbV	98
103)	1,4-dichlorobenzene	18.243	146	759804	9.269	ppbV	98
104)	sec-butylbenzene	18.285	105	1839016	9.202	ppbV	100
106)	p-isopropyltoluene	18.418	119	1548836	9.805	ppbV	98
107)	1,2-dichlorobenzene	18.535	146	712326	9.072	ppbV	98
108)	n-butylbenzene	18.760	91	1253435	9.058	ppbV	98
111)	1,2-dibromo-3-chloropr...	18.893	75	270321	9.383	ppbV	92
112)	undecane	19.152	57	1235764	9.242	ppbV	97
114)	dodecane	19.983	57	1089375	8.684	ppbV	94
115)	1,2,4-trichlorobenzene	19.925	180	390474	8.036	ppbV	97
116)	naphthalene	20.025	128	1078800	8.108	ppbV	99
117)	1,2,3-trichlorobenzene	20.258	180	378751	7.779	ppbV	97
119)	hexachlorobutadiene	20.325	225	505054	9.304	ppbV #	94

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

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
Data File : r1934340.D
Acq On : 7 May 2025 11:24 AM
Operator : AIRLAB19:TPH
Sample : WG2063684-2,3,250,250
Misc : WG2063684,ICAL22124
ALS Vial : 0 Sample Multiplier: 1

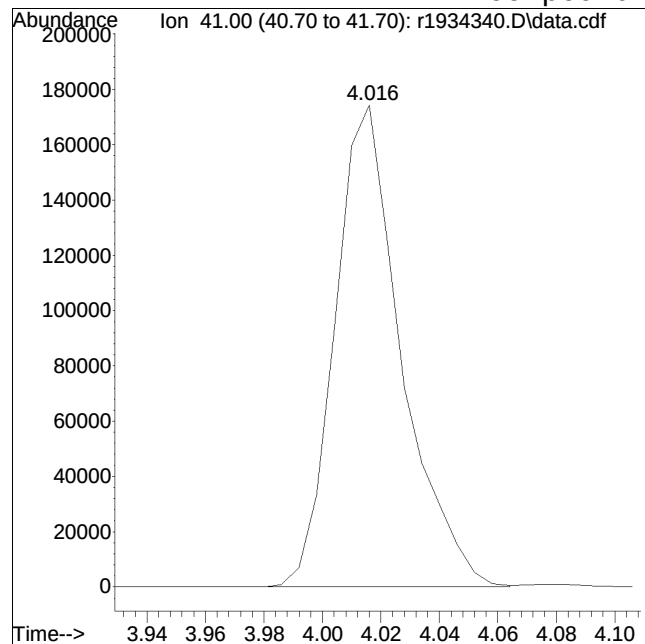
Quant Time: May 07 13:36:04 2025
Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Sun Mar 30 07:46:23 2025
Response via : Initial Calibration



Manual Integration Report

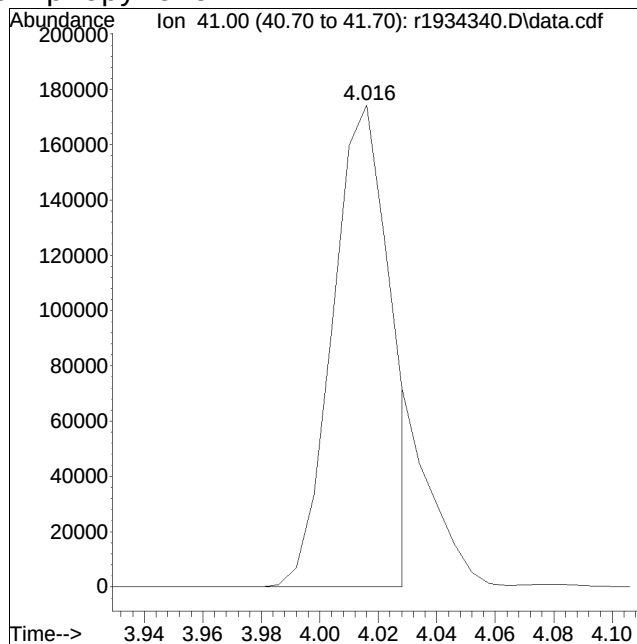
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934340.D Operator : AIRLAB19:TPH
Date Inj'd : 5/7/2025 11:24 AM Instrument :
Sample : WG2063684-2,3,250,250 Quant Date : 5/7/2025 1:36 pm

Compound #3: propylene



Original Peak Response = 275026

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



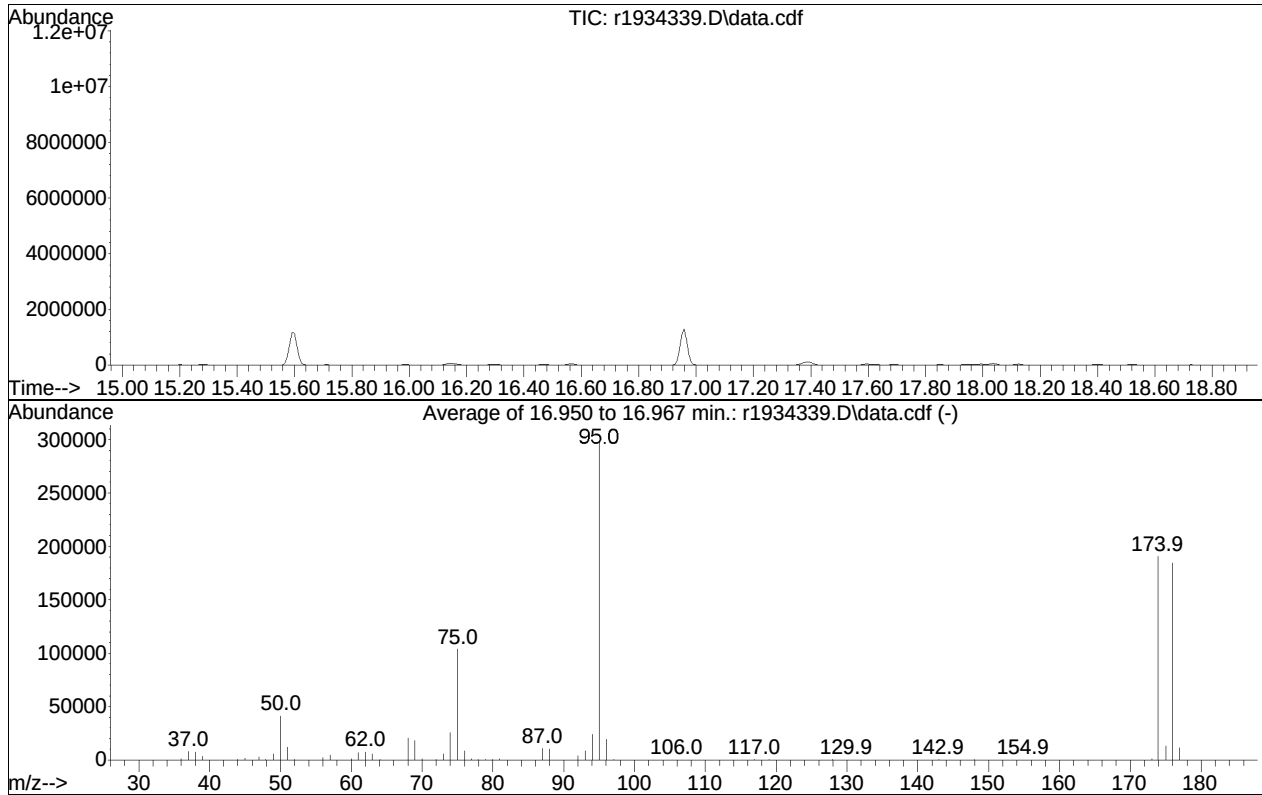
Manual Peak Response = 240072 M6

BFB

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934339.D
 Acq On : 7 May 2025 10:42 AM
 Operator : AIRLAB19:TPH
 Sample : WG2063684-1,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Title : T0-14A/T0-15 SIM/Full Scan Analysis
 Last Update : Sun Mar 30 07:46:23 2025



Spectrum Information: Average of 16.950 to 16.967 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	13.8	41246	PASS
75	95	30	66	34.8	104128	PASS
95	95	100	100	100.0	298949	PASS
96	95	5	9	6.5	19304	PASS
173	174	0.00	2	0.7	1422	PASS
174	95	50	120	63.9	191049	PASS
175	174	4	9	7.0	13376	PASS
176	174	93	101	96.5	184447	PASS
177	176	5	9	6.4	11849	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934343.D
 Acq On : 7 May 2025 2:19 PM
 Operator : AIRLAB19:TPH
 Sample : WG2063684-4,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 07 16:08:49 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : Default-LCS-AP2 - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.783	49	335407	10.000	ppbV	0.00
Standard Area = 339843			Recovery =		98.69%	
43) 1,4-difluorobenzene	10.923	114	883984	10.000	ppbV	0.00
Standard Area = 931395			Recovery =		94.91%	
67) chlorobenzene-D5	15.600	54	154486	10.000	ppbV	0.00
Standard Area = 169143			Recovery =		91.33%	

System Monitoring Compounds

Target Compounds					Qvalue
5) dichlorodifluoromethane	0.000		0	N.D.	
6) chloromethane	0.000		0	N.D.	
7) Freon-114	0.000		0	N.D.	
9) vinyl chloride	0.000		0	N.D.	
10) 1,3-butadiene	0.000		0	N.D.	
13) bromomethane	0.000		0	N.D.	
14) chloroethane	0.000		0	N.D.	
15) ethanol	5.096	31	12308	0.614 ppbV	99
17) vinyl bromide	0.000		0	N.D.	
19) acetone	5.560	43	5020	0.142 ppbV #	92
21) trichlorofluoromethane	0.000		0	N.D.	
22) isopropyl alcohol	5.817	45	12067	0.296 ppbV	99
26) 1,1-dichloroethene	0.000		0	N.D.	
27) tertiary butyl alcohol	6.446		0	N.D.	
28) methylene chloride	6.500	49	1086	0.041 ppbV	95
29) 3-chloropropene	0.000		0	N.D.	
30) carbon disulfide	6.788		0	N.D.	
31) Freon 113	0.000		0	N.D.	
32) trans-1,2-dichloroethene	0.000		0	N.D.	
33) 1,1-dichloroethane	0.000		0	N.D.	
34) MTBE	0.000		0	N.D.	
36) 2-butanone	8.167		0	N.D.	
37) cis-1,2-dichloroethene	0.000		0	N.D.	
38) Ethyl Acetate	0.000		0	N.D.	
39) chloroform	0.000		0	N.D.	
40) Tetrahydrofuran	0.000		0	N.D.	
42) 1,2-dichloroethane	0.000		0	N.D.	
44) hexane	8.850		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934343.D
 Acq On : 7 May 2025 2:19 PM
 Operator : AIRLAB19:TPH
 Sample : WG2063684-4,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 07 16:08:49 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	0.000		0	N.D.		
50) benzene	0.000		0	N.D.		
52) carbon tetrachloride	0.000		0	N.D.		
53) cyclohexane	0.000		0	N.D.	d	
56) 1,2-dichloropropane	0.000		0	N.D.		
57) bromodichloromethane	0.000		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
59) trichloroethene	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	0.000		0	N.D.		
62) heptane	0.000		0	N.D.		
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.758		0	N.D.		
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	13.825		0	N.D.		
72) 2-hexanone	14.142		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	14.542		0	N.D.		
78) tetrachloroethene	15.008		0	N.D.		
80) chlorobenzene	15.642		0	N.D.		
81) ethylbenzene	16.000		0	N.D.		
83) m+p-xylene	16.150		0	N.D.		
84) bromoform	16.217		0	N.D.		
85) styrene	16.475		0	N.D.		
86) 1,1,2,2-tetrachloroethane	16.575		0	N.D.		
87) o-xylene	16.575		0	N.D.		
96) 4-ethyl toluene	17.642		0	N.D.		
97) 1,3,5-trimethylbenzene	17.700		0	N.D.		
99) 1,2,4-trimethylbenzene	18.052		0	N.D.		
101) Benzyl Chloride	18.177		0	N.D.		
102) 1,3-dichlorobenzene	18.185		0	N.D.		
103) 1,4-dichlorobenzene	18.243		0	N.D.		
107) 1,2-dichlorobenzene	18.535		0	N.D.		
115) 1,2,4-trichlorobenzene	19.925		0	N.D.		
116) naphthalene	20.025		0	N.D.		
119) hexachlorobutadiene	20.325		0	N.D.		

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934343.D
 Acq On : 7 May 2025 2:19 PM
 Operator : AIRLAB19:TPH
 Sample : WG2063684-4,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 07 16:08:49 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

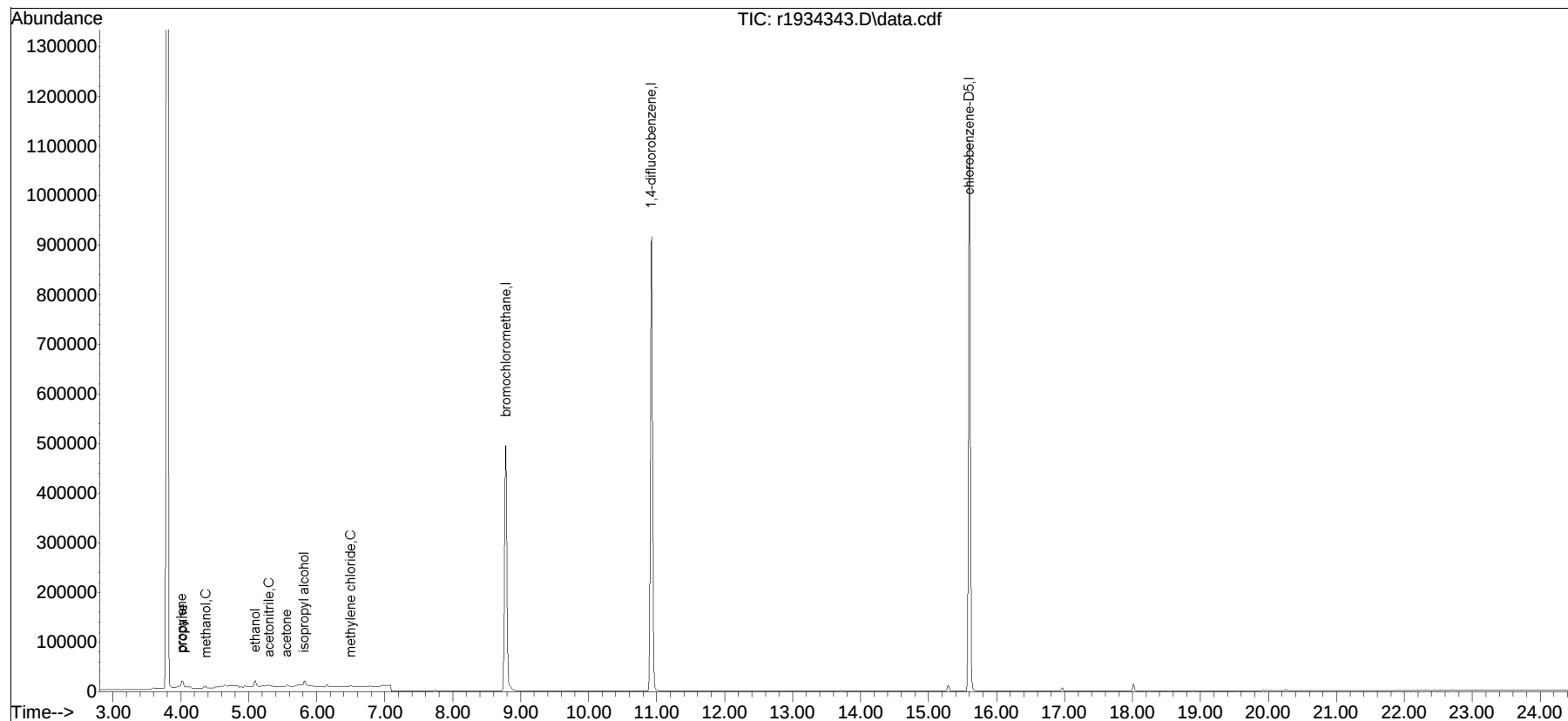
CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : Default-LCS-AP2 - All compounds listed

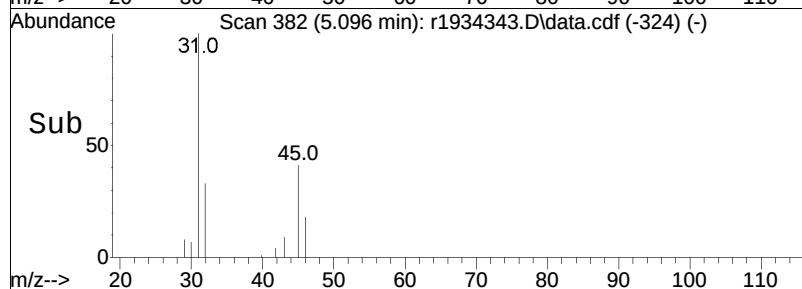
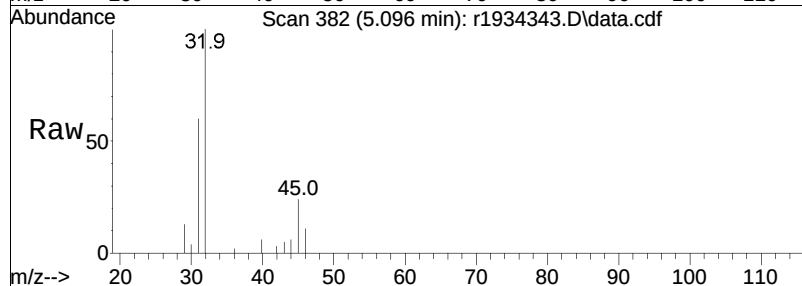
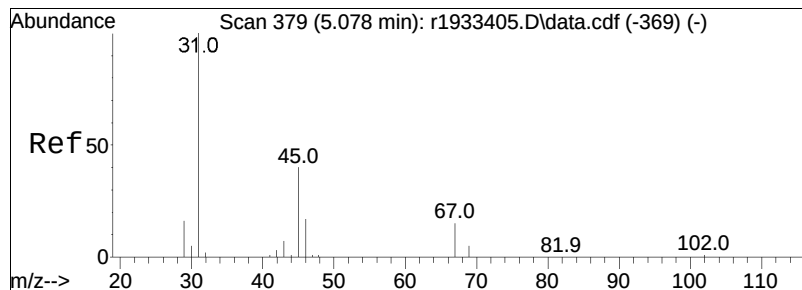
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : Default-LCS-AP2 - All compounds listedr1934340.D

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
Data File : r1934343.D
Acq On : 7 May 2025 2:19 PM
Operator : AIRLAB19:TPH
Sample : WG2063684-4,3,250,250
Misc : WG2063684,ICAL22124
ALS Vial : 0 Sample Multiplier: 1

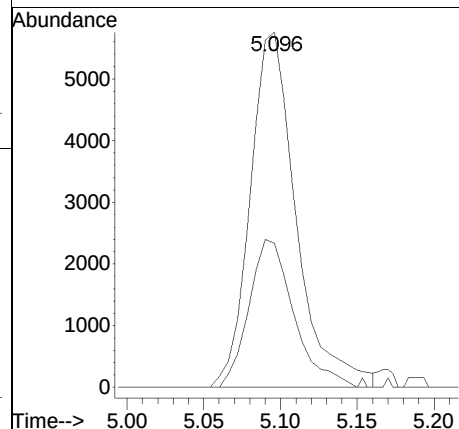
Quant Time: May 07 16:08:49 2025
Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Sun Mar 30 07:46:23 2025
Response via : Initial Calibration

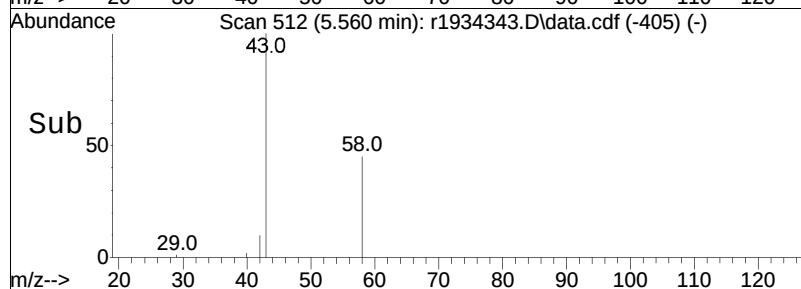
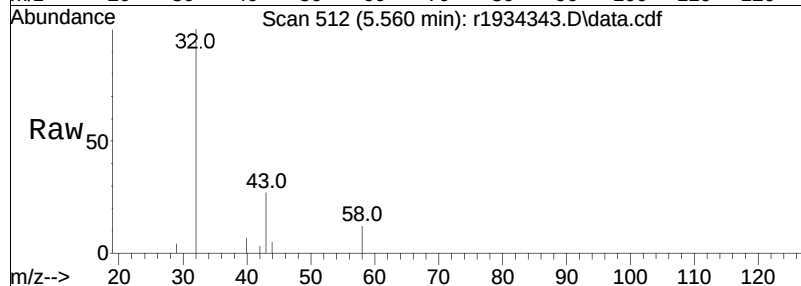
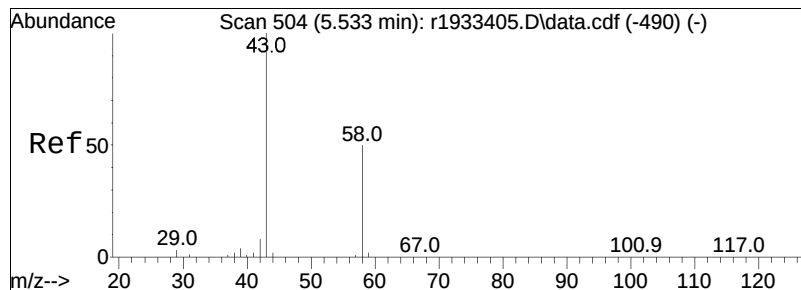




#15
ethanol
Concen: 0.61 ppbV
RT: 5.096 min Scan# 382
Delta R.T. 0.018 min
Lab File: r1934343.D
Acq: 7 May 2025 2:19 PM

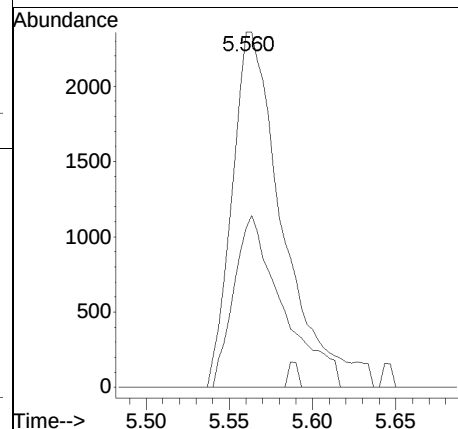
Tgt	Ion	Ratio	Lower	Upper
31	100			
45	40.6	31.8	47.8	

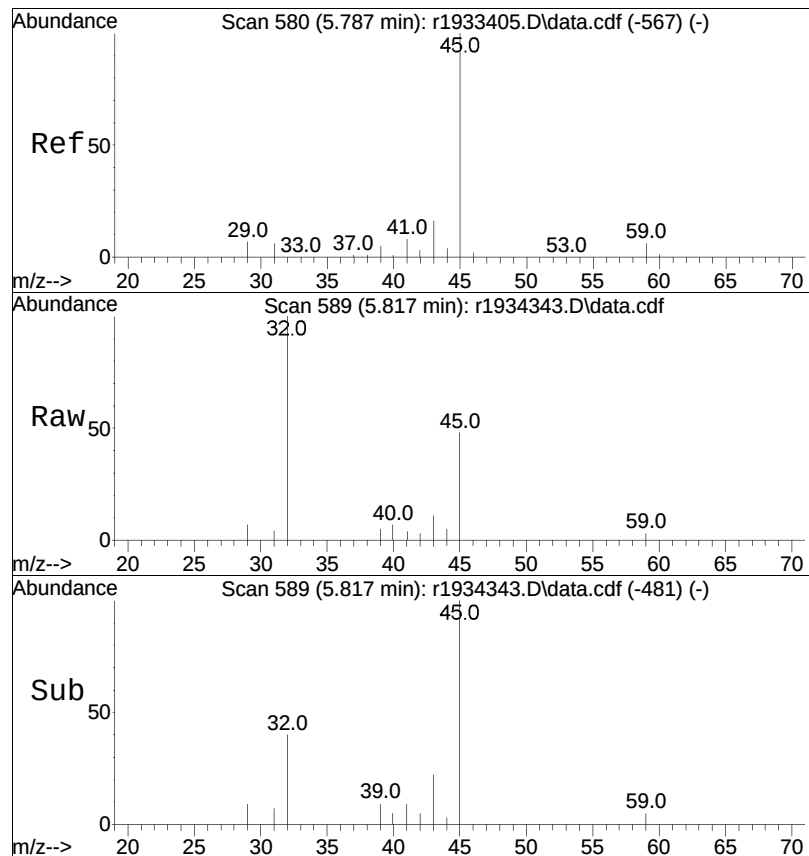




#19
acetone
Concen: 0.14 ppbV
RT: 5.560 min Scan# 512
Delta R.T. 0.027 min
Lab File: r1934343.D
Acq: 7 May 2025 2:19 PM

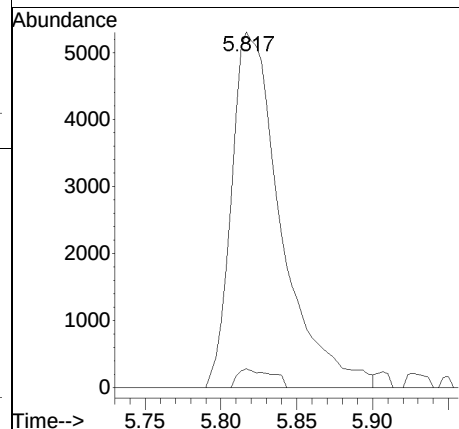
Tgt Ion	Ratio	Lower	Upper
43	100		
58	44.8	40.4	60.6
57	0.0	1.0	1.4

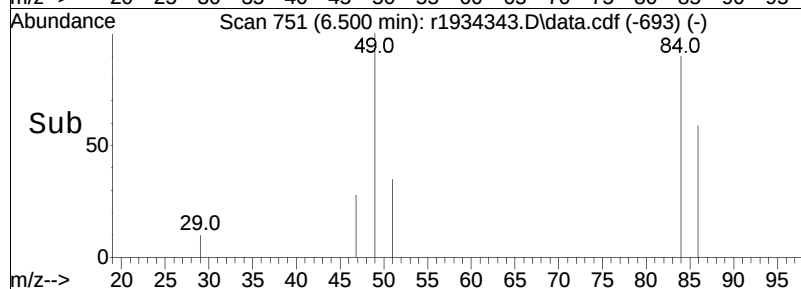
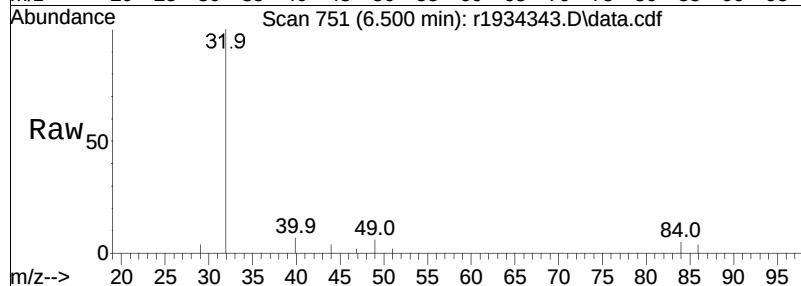
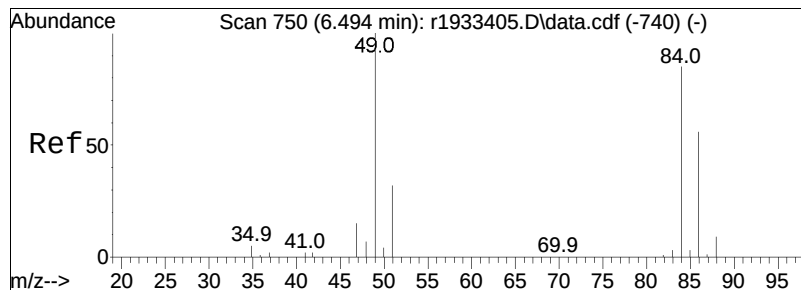




#22
 isopropyl alcohol
 Concen: 0.30 ppbV
 RT: 5.817 min Scan# 589
 Delta R.T. 0.030 min
 Lab File: r1934343.D
 Acq: 7 May 2025 2:19 PM

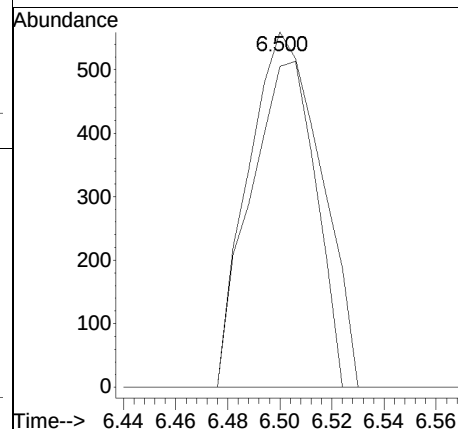
Tgt Ion:	45	59	Ratio	100	5.2	Resp:	12067	Lower	4.4	Upper	6.6
Ion	45	59	Ratio	100	5.2	Resp:	12067	Lower	4.4	Upper	6.6





#28
 methylene chloride
 Concen: 0.04 ppbV
 RT: 6.500 min Scan# 751
 Delta R.T. 0.006 min
 Lab File: r1934343.D
 Acq: 7 May 2025 2:19 PM

Tgt Ion:	49	84	Ratio	100	90.3	Resp:	1086	Lower	68.4	Upper	102.6



LSC Area Percent Report

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934343.D
 Acq On : 7 May 2025 2:19 PM
 Operator : AIRLAB19:TPH
 Sample : WG2063684-4,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 1 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M

Title : T0-14A/T0-15 SIM/Full Scan Analysis

Signal : TIC: r1934343.D\data.cdf

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.016	198	202	212	rVB	12343	28423	1.37%	0.530%
2	5.096	376	382	389	rVB	11935	28166	1.36%	0.525%
3	8.783	1041	1049	1079	rVB	496046	1205890	58.22%	22.470%
4	10.923	1318	1327	1352	rBV	916901	1983316	95.75%	36.956%
5	15.292	1884	1889	1896	rVB	11873	23416	1.13%	0.436%
6	15.600	1920	1926	1939	rBV	1111015	2071404	100.00%	38.597%
7	18.018	2210	2215	2224	rVB	14525	26101	1.26%	0.486%

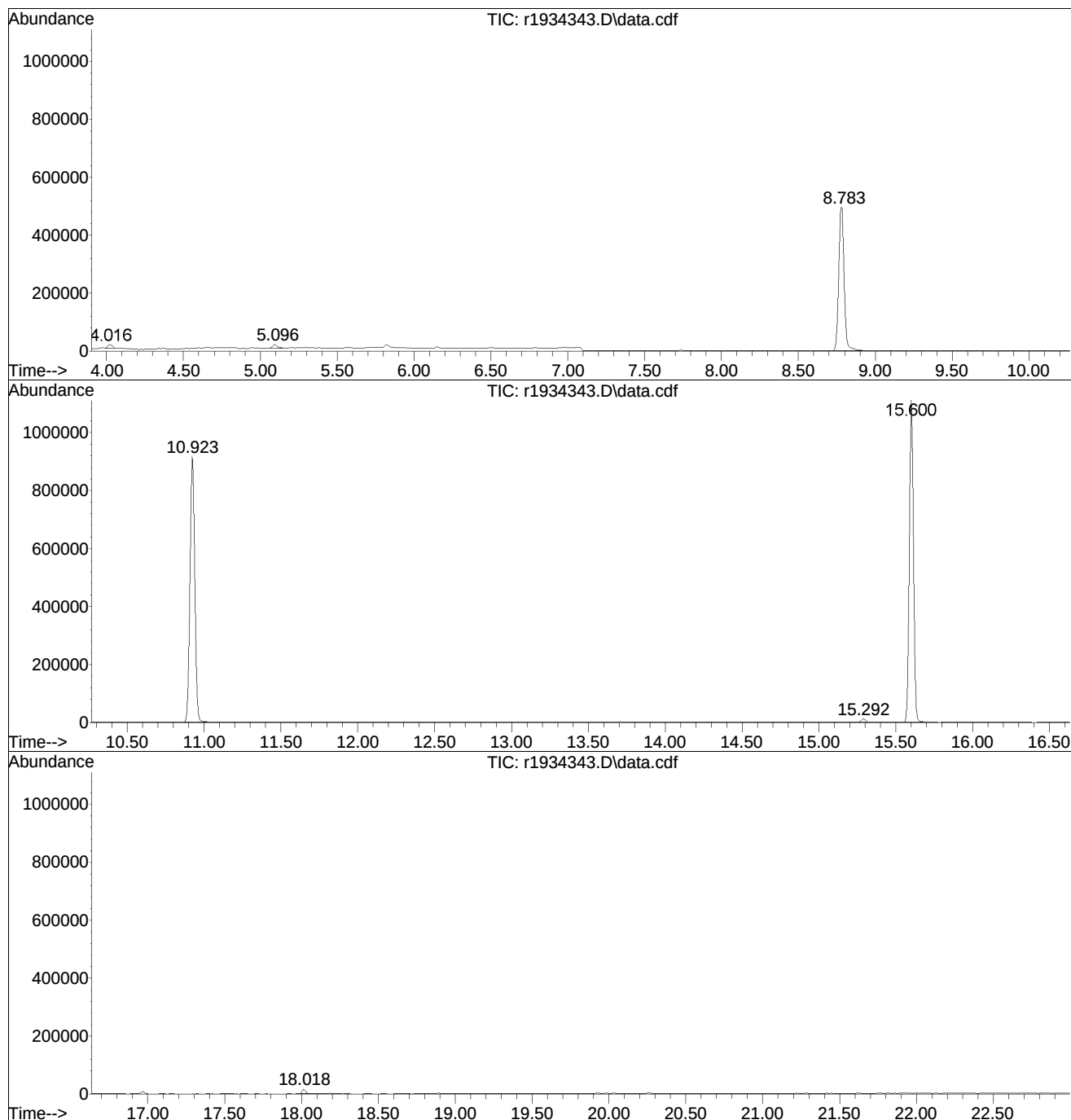
Sum of corrected areas: 5366716

LSC Report - Integrated Chromatogram

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
Data File : r1934343.D
Acq On : 7 May 2025 2:19 PM
Operator : AIRLAB19:TPH
Sample : WG2063684-4,3,250,250
Misc : WG2063684,ICAL22124
ALS Vial : 0 Sample Multiplier: 1

Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis

TIC Library : X:\Airlab\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
Data File : r1934343.D
Acq On : 7 May 2025 2:19 PM
Operator : AIRLAB19:TPH
Sample : WG2063684-4,3,250,250
Misc : WG2063684,ICAL22124
ALS Vial : 0 Sample Multiplier: 1

Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis

TIC Library : X:\Airlab\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

Tentatively Identified Compound (LSC) summary

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934343.D
 Acq On : 7 May 2025 2:19 PM
 Operator : AIRLAB19:TPH
 Sample : WG2063684-4,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis

TIC Library : X:\Airlab\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934341.D
 Acq On : 7 May 2025 12:06 PM
 Operator : AIRLAB19:TPH
 Sample : WG2063684-3,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 07 13:37:09 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
 Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	bromochloromethane	10.000	10.000	0.0	115	0.00
2	chlorodifluoromethane	10.000	9.849	1.5	124	0.00
3	propylene	10.000	9.127	8.7	117	0.00
4	propane	10.000	9.652	3.5	119	0.00
5	dichlorodifluoromethane	10.000	10.946	-9.5	133	0.00
6 C	chloromethane	10.000	10.152	-1.5	125	0.00
7	Freon-114	10.000	11.302	-13.0	138	0.00
8 C	methanol	50.000	45.048	9.9	108	0.00
9 C	vinyl chloride	10.000	10.069	-0.7	122	0.01
10 C	1,3-butadiene	10.000	10.108	-1.1	138	0.01
11	butane	10.000	8.730	12.7	119	0.00
13 C	bromomethane	10.000	7.823	21.8	96	0.00
14 C	chloroethane	10.000	9.059	9.4	113	0.00
15	ethanol	50.000	44.835	10.3	110	0.01
16	dichlorofluoromethane	10.000	9.075	9.3	112	0.00
17 C	vinyl bromide	10.000	10.058	-0.6	124	0.00
18 C	acrolein	10.000	7.865	21.3	95	0.00
19	acetone	50.000	52.154	-4.3	132	0.00
20 C	acetonitrile	10.000	8.619	13.8	108	0.00
21	trichlorofluoromethane	10.000	11.390	-13.9	137	0.00
22	isopropyl alcohol	25.000	26.338	-5.4	129	0.00
23 C	acrylonitrile	10.000	8.877	11.2	107	0.00
24	pentane	10.000	8.657	13.4	111	0.01
25	ethyl ether	10.000	11.081	-10.8	126	0.00
26 C	1,1-dichloroethene	10.000	11.037	-10.4	134	0.01
27	tertiary butyl alcohol	10.000	9.256	7.4	109	0.01
28 C	methylene chloride	10.000	11.417	-14.2	138	0.01
29 C	3-chloropropene	10.000	10.718	-7.2	132	0.01
30 C	carbon disulfide	10.000	10.751	-7.5	132	0.01
31	Freon 113	10.000	10.633	-6.3	128	0.01
32	trans-1,2-dichloroethene	10.000	10.544	-5.4	127	0.00
33 C	1,1-dichloroethane	10.000	10.315	-3.1	126	0.00
34 C	MTBE	10.000	10.977	-9.8	133	0.02
35 C	vinyl acetate	10.000	7.696	23.0	92	0.00
36 C	2-butanone	10.000	11.192	-11.9	134	0.02
37	cis-1,2-dichloroethene	10.000	10.397	-4.0	127	0.02
38	Ethyl Acetate	10.000	10.815	-8.1	128	0.02
39 C	chloroform	10.000	10.983	-9.8	133	0.02
40	Tetrahydrofuran	10.000	11.559	-15.6	145	0.02

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934341.D
 Acq On : 7 May 2025 12:06 PM
 Operator : AIRLAB19:TPH
 Sample : WG2063684-3,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 07 13:37:09 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
 Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
41	2,2-dichloropropane	10.000	10.164	-1.6	123	0.00
42 C	1,2-dichloroethane	10.000	11.185	-11.9	137	0.02
43 I	1,4-difluorobenzene	10.000	10.000	0.0	112	0.00
44 C	hexane	10.000	9.968	0.3	127	0.02
45	diisopropyl ether	10.000	9.349	6.5	110	0.02
46	tert-butyl ethyl ether	10.000	9.402	6.0	109	0.00
48 C	1,1,1-trichloroethane	10.000	11.421	-14.2	133	0.00
49	1,1-dichloropropene	10.000	10.233	-2.3	121	0.01
50 C	benzene	10.000	10.688	-6.9	127	0.01
52 C	carbon tetrachloride	10.000	12.366	-23.7	141	0.01
53	cyclohexane	10.000	10.641	-6.4	126	0.01
54	tert-amyl methyl ether	10.000	9.692	3.1	113	0.01
55	dibromomethane	10.000	9.570	4.3	112	0.00
56 C	1,2-dichloropropane	10.000	10.484	-4.8	123	0.00
57	bromodichloromethane	10.000	11.970	-19.7	139	0.00
58 C	1,4-dioxane	10.000	11.327	-13.3	132	0.00
59 C	trichloroethene	10.000	10.450	-4.5	123	0.00
60 C	2,2,4-trimethylpentane	10.000	10.861	-8.6	126	0.00
61	methyl methacrylate	10.000	10.066	-0.7	114	0.01
62	heptane	10.000	11.551	-15.5	137	0.00
63 C	cis-1,3-dichloropropene	10.000	11.940	-19.4	138	0.00
64 C	4-methyl-2-pentanone	10.000	11.786	-17.9	136	0.00
65	trans-1,3-dichloropropene	10.000	12.944	-29.4	147	0.00
66 C	1,1,2-trichloroethane	10.000	10.605	-6.1	124	0.00
67 I	chlorobenzene-D5	10.000	10.000	0.0	124	0.00
68 C	toluene	10.000	9.424	5.8	126	0.00
71	1,3-dichloropropane	10.000	8.379	16.2	113	0.00
72	2-hexanone	10.000	10.022	-0.2	129	0.00
74	dibromochloromethane	10.000	9.980	0.2	130	0.00
75 C	1,2-dibromoethane	10.000	9.488	5.1	123	0.00
76	butyl acetate	10.000	8.587	14.1	113	0.00
77	octane	10.000	8.246	17.5	110	0.00
78 C	tetrachloroethene	10.000	8.640	13.6	118	0.00
79	1,1,1,2-tetrachloroethane	10.000	8.484	15.2	111	0.00
80 C	chlorobenzene	10.000	9.320	6.8	121	0.00
81 C	ethylbenzene	10.000	9.652	3.5	124	0.00
83 C	m+p-xylene	20.000	19.898	0.5	127	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934341.D
 Acq On : 7 May 2025 12:06 PM
 Operator : AIRLAB19:TPH
 Sample : WG2063684-3,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 07 13:37:09 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
 Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
84 C	bromoform	10.000	10.288	-2.9	131	0.00
85 C	styrene	10.000	9.459	5.4	120	0.00
86 C	1,1,2,2-tetrachloroethane	10.000	9.909	0.9	127	0.00
87 C	o-xylene	10.000	10.228	-2.3	130	0.00
88	1,2,3-trichloropropane	10.000	8.938	10.6	118	0.00
89	nonane	10.000	8.919	10.8	118	0.00
91 C	isopropylbenzene	10.000	8.508	14.9	110	0.00
92	bromobenzene	10.000	8.797	12.0	115	-0.02
93	2-chlorotoluene	10.000	8.630	13.7	114	0.00
94	n-propylbenzene	10.000	8.577	14.2	112	0.00
95	4-chlorotoluene	10.000	8.258	17.4	108	-0.02
96	4-ethyl toluene	10.000	9.888	1.1	125	0.00
97	1,3,5-trimethylbenzene	10.000	10.103	-1.0	128	0.00
98	tert-butylbenzene	10.000	9.254	7.5	118	-0.02
99	1,2,4-trimethylbenzene	10.000	9.866	1.3	123	0.00
100	decane	10.000	8.790	12.1	111	-0.02
101 C	Benzyl Chloride	10.000	9.730	2.7	106	-0.02
102	1,3-dichlorobenzene	10.000	9.923	0.8	120	0.00
103 C	1,4-dichlorobenzene	10.000	10.034	-0.3	123	0.00
104	sec-butylbenzene	10.000	8.574	14.3	109	0.00
106	p-isopropyltoluene	10.000	9.290	7.1	114	0.00
107	1,2-dichlorobenzene	10.000	9.587	4.1	120	0.00
108	n-butylbenzene	10.000	8.986	10.1	112	0.00
111 C	1,2-dibromo-3-chloropropane	10.000	8.839	11.6	108	0.00
112	undecane	10.000	9.045	9.6	109	-0.02
114	dodecane	10.000	9.215	7.9	107	-0.02
115 C	1,2,4-trichlorobenzene	10.000	8.456	15.4	93	-0.02
116	naphthalene	10.000	7.794	22.1	88	-0.02
117	1,2,3-trichlorobenzene	10.000	7.980	20.2	92	-0.02
119 C	hexachlorobutadiene	10.000	9.376	6.2	111	-0.02

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934341.D
 Acq On : 7 May 2025 12:06 PM
 Operator : AIRLAB19:TPH
 Sample : WG2063684-3,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 07 13:37:09 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : Default-LCS-AP2 - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.783	49	348440	10.000	ppbV	0.00
Standard Area = 339843			Recovery = 102.53%			
43) 1,4-difluorobenzene	10.923	114	1015696	10.000	ppbV	0.00
Standard Area = 931395			Recovery = 109.05%			
67) chlorobenzene-D5	15.600	54	180655	10.000	ppbV	0.00
Standard Area = 169143			Recovery = 106.81%			

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	4.082	85	507187	10.946	ppbV	100
6) chloromethane	4.226	50	178833	10.152	ppbV	100
7) Freon-114	4.322	85	479276	11.302	ppbV	95
9) vinyl chloride	4.430	62	251272	10.069	ppbV	100
10) 1,3-butadiene	4.556	54	201156	10.108	ppbV	97
13) bromomethane	4.802	94	194961	7.823	ppbV	100
14) chloroethane	4.970	64	180972	9.059	ppbV	97
15) ethanol	5.090	31	934031	44.835	ppbV	98
17) vinyl bromide	5.310	106	243298	10.058	ppbV	98
19) acetone	5.543	43	1910304	52.154	ppbV	92
21) trichlorofluoromethane	5.727	101	508318	11.390	ppbV	100
22) isopropyl alcohol	5.797	45	1113856	26.338	ppbV	99
26) 1,1-dichloroethene	6.374	61	505261	11.037	ppbV	97
27) tertiary butyl alcohol	6.404	59	611612	9.256	ppbV	95
28) methylene chloride	6.506	49	317394	11.417	ppbV	92
29) 3-chloropropene	6.626	41	460916	10.718	ppbV	97
30) carbon disulfide	6.788	76	819012	10.751	ppbV	99
31) Freon 113	6.788	101	542349	10.633	ppbV	99
32) trans-1,2-dichloroethene	7.492	61	486204	10.544	ppbV	99
33) 1,1-dichloroethane	7.700	63	619715	10.315	ppbV	100
34) MTBE	7.758	73	780558	10.977	ppbV	97
36) 2-butanone	8.117	43	655370	11.192	ppbV	98
37) cis-1,2-dichloroethene	8.608	61	469296	10.397	ppbV	98
38) Ethyl Acetate	8.858	61	129722	10.815	ppbV	100
39) chloroform	8.933	83	503036	10.983	ppbV	97
40) Tetrahydrofuran	9.342	42	384397	11.559	ppbV	98
42) 1,2-dichloroethane	9.733	62	369437	11.185	ppbV	99
44) hexane	8.850	57	617538	9.968	ppbV	93

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934341.D
 Acq On : 7 May 2025 12:06 PM
 Operator : AIRLAB19:TPH
 Sample : WG2063684-3,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 07 13:37:09 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	10.008	97	487999	11.421	ppbV	99
50) benzene	10.517	78	953812	10.688	ppbV	99
52) carbon tetrachloride	10.683	117	414526	12.366	ppbV	98
53) cyclohexane	10.823	56	633022	10.641	ppbV	98
56) 1,2-dichloropropane	11.430	63	413302	10.484	ppbV	98
57) bromodichloromethane	11.650	83	535743	11.970	ppbV	99
58) 1,4-dioxane	11.683	88	245054	11.327	ppbV	97
59) trichloroethene	11.703	130	405409	10.450	ppbV	98
60) 2,2,4-trimethylpentane	11.750	57	1915940	10.861	ppbV	97
62) heptane	12.063	43	640308	11.551	ppbV	95
63) cis-1,3-dichloropropene	12.692	75	521132	11.940	ppbV	98
64) 4-methyl-2-pentanone	12.725	43	754558	11.786	ppbV	95
65) trans-1,3-dichloropropene	13.300	75	418434	12.944	ppbV	100
66) 1,1,2-trichloroethane	13.492	97	397925	10.605	ppbV	97
68) toluene	13.825	91	1207741	9.424	ppbV	99
72) 2-hexanone	14.117	43	685073	10.022	ppbV #	89
74) dibromochloromethane	14.283	129	528473	9.980	ppbV	97
75) 1,2-dibromoethane	14.533	107	541132	9.488	ppbV	99
78) tetrachloroethene	15.000	166	475507	8.640	ppbV	99
80) chlorobenzene	15.642	112	897929	9.320	ppbV	95
81) ethylbenzene	15.992	91	1571680	9.652	ppbV	98
83) m+p-xylene	16.158	91	2585678	19.898	ppbV	97
84) bromoform	16.217	173	490178	10.288	ppbV	100
85) styrene	16.475	104	1021255	9.459	ppbV	97
86) 1,1,2,2-tetrachloroethane	16.567	83	838089	9.909	ppbV	100
87) o-xylene	16.567	91	1297071	10.228	ppbV	95
96) 4-ethyl toluene	17.642	105	1657534	9.888	ppbV	99
97) 1,3,5-trimethylbenzene	17.708	105	1468500	10.103	ppbV	100
99) 1,2,4-trimethylbenzene	18.060	105	1446574	9.866	ppbV	97
101) Benzyl Chloride	18.177	91	953724	9.730	ppbV	99
102) 1,3-dichlorobenzene	18.193	146	883716	9.923	ppbV	97
103) 1,4-dichlorobenzene	18.252	146	878520	10.034	ppbV	98
107) 1,2-dichlorobenzene	18.543	146	804040	9.587	ppbV	98
115) 1,2,4-trichlorobenzene	19.925	180	438843	8.456	ppbV	96
116) naphthalene	20.033	128	1107591	7.794	ppbV	99
119) hexachlorobutadiene	20.325	225	543605	9.376	ppbV	94

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934341.D
 Acq On : 7 May 2025 12:06 PM
 Operator : AIRLAB19:TPH
 Sample : WG2063684-3,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

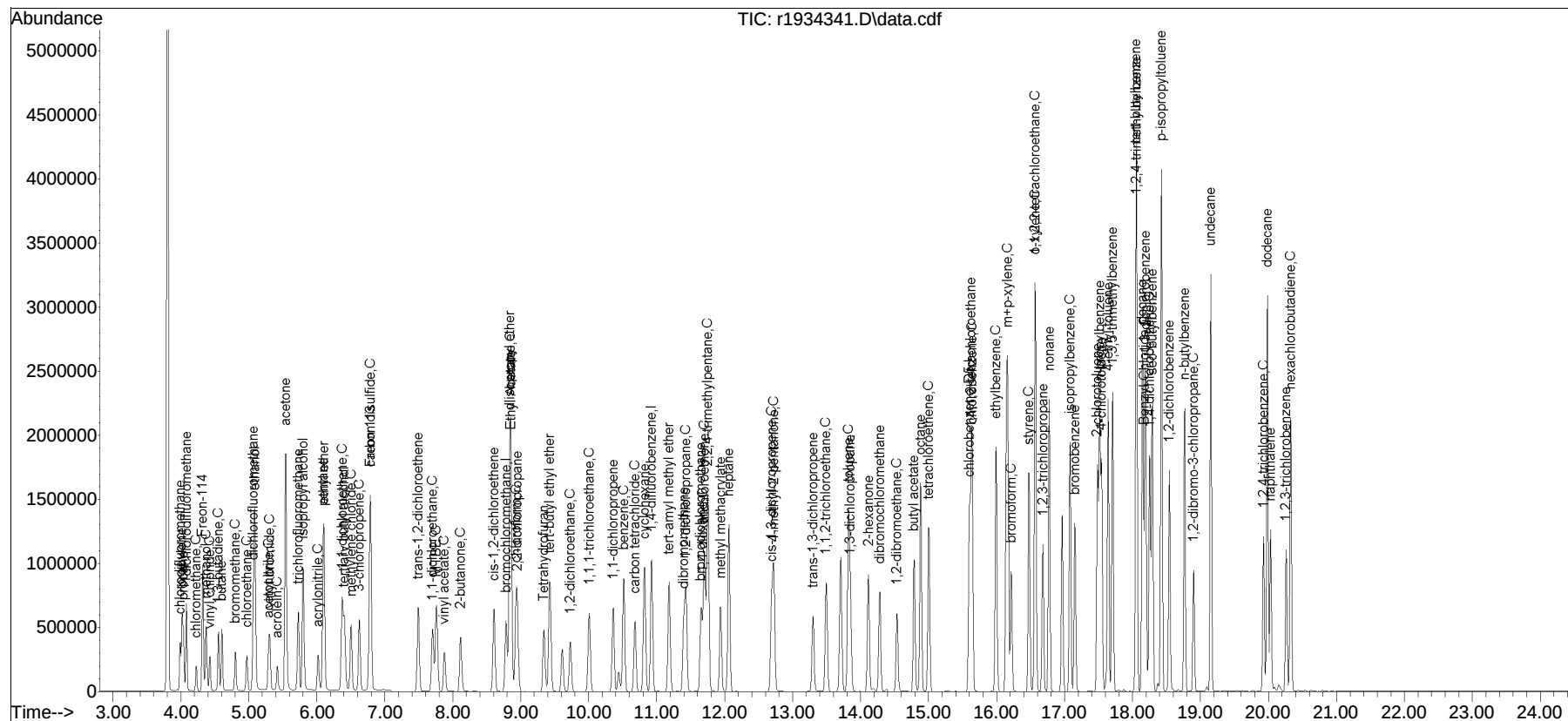
Quant Time: May 07 13:37:09 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

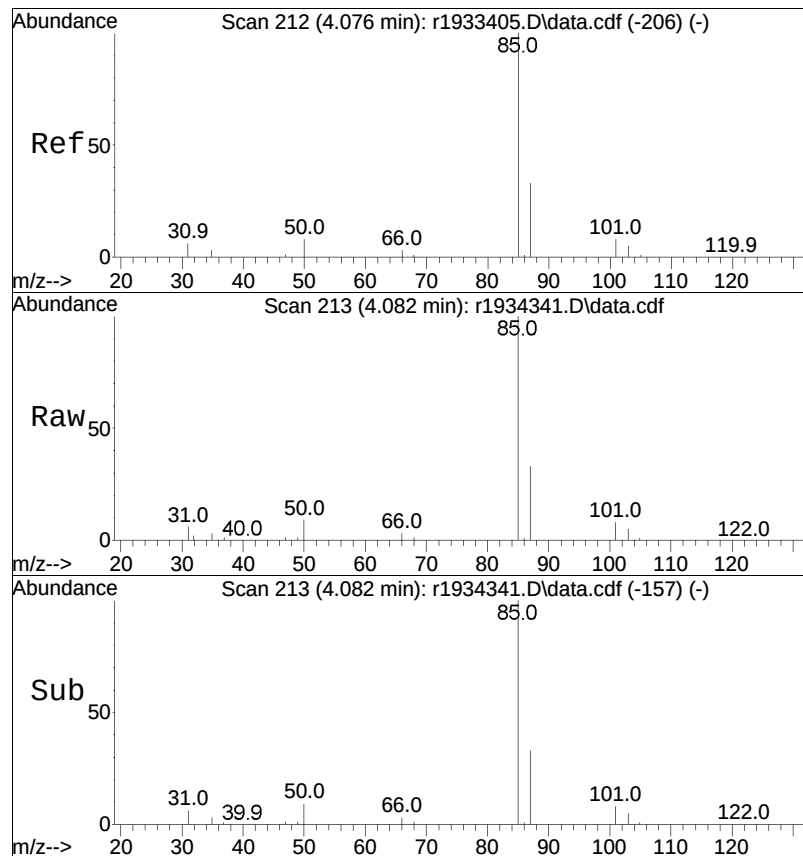
CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : Default-LCS-AP2 - All compounds listed

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

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
Data File : r1934341.D
Acq On : 7 May 2025 12:06 PM
Operator : AIRLAB19:TPH
Sample : WG2063684-3,3,250,250
Misc : WG2063684,ICAL22124
ALS Vial : 0 Sample Multiplier: 1

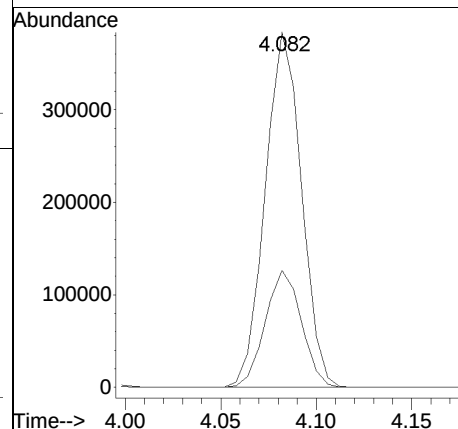
Quant Time: May 07 13:37:09 2025
Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Sun Mar 30 07:46:23 2025
Response via : Initial Calibration

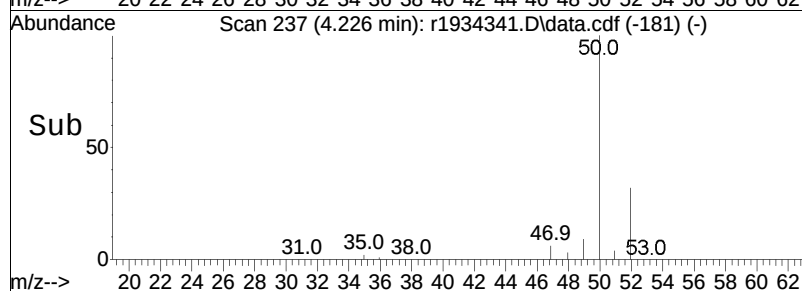
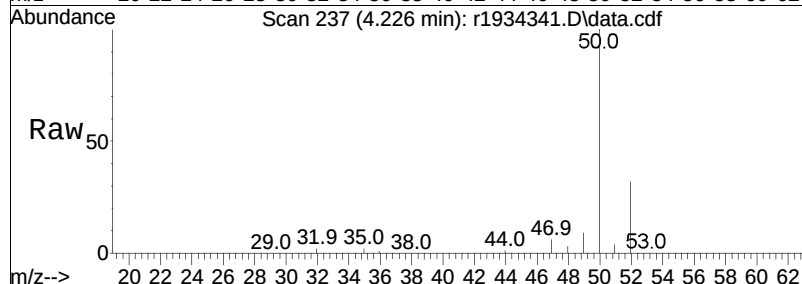
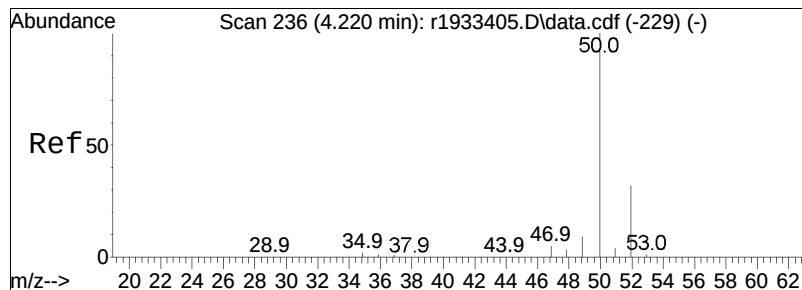




#5
dichlorodifluoromethane
Concen: 10.95 ppbV
RT: 4.082 min Scan# 213
Delta R.T. 0.006 min
Lab File: r1934341.D
Acq: 7 May 2025 12:06 PM

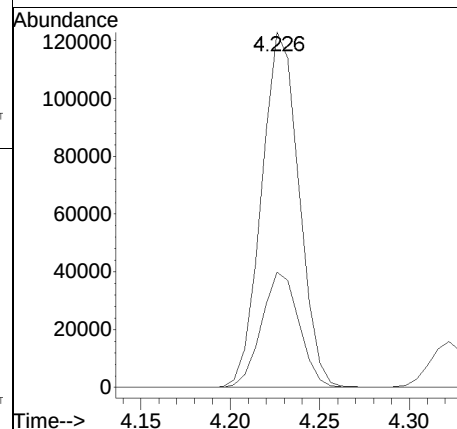
Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.2	39.4

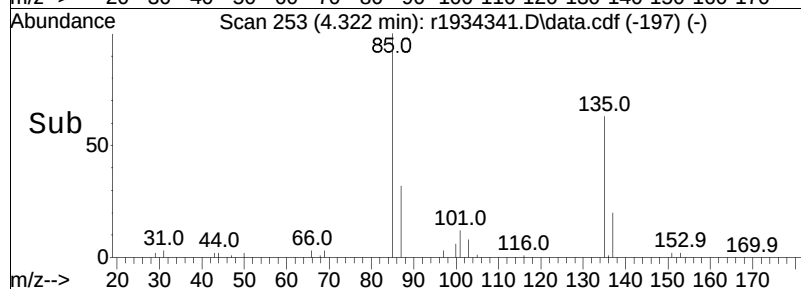
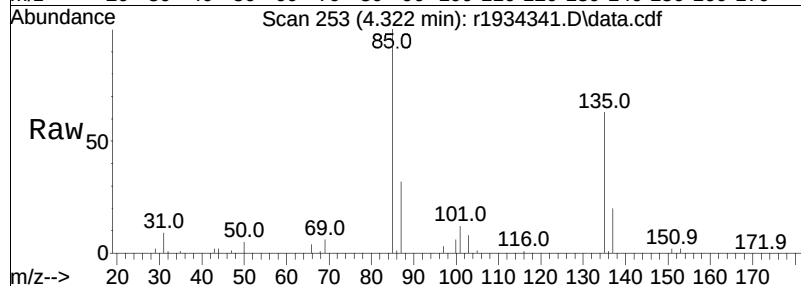
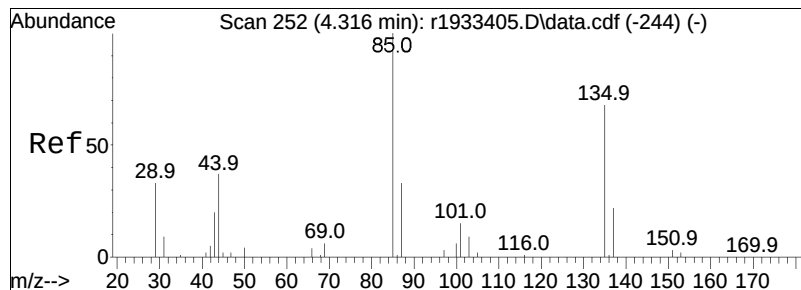




#6
 chloromethane
 Concen: 10.15 ppbV
 RT: 4.226 min Scan# 237
 Delta R.T. 0.006 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

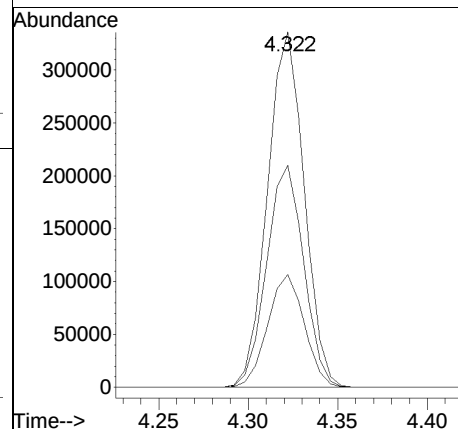
Tgt Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.9	38.9

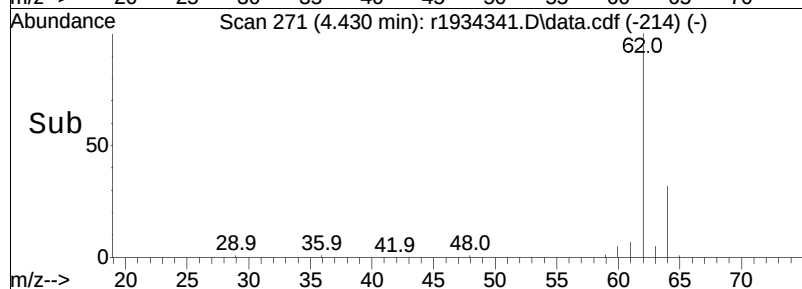
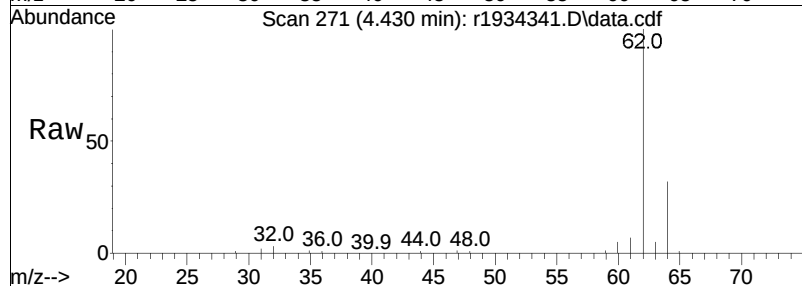
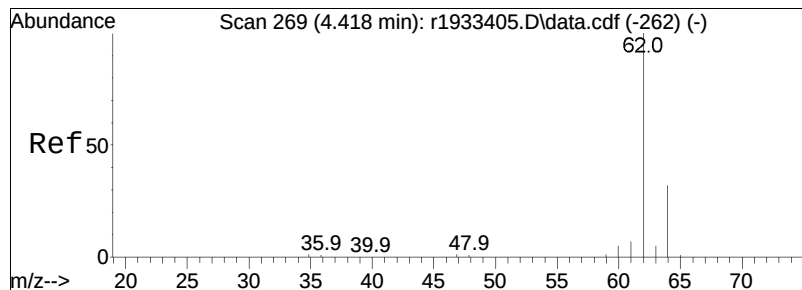




#7
 Freon-114
 Concen: 11.30 ppbV
 RT: 4.322 min Scan# 253
 Delta R.T. 0.006 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

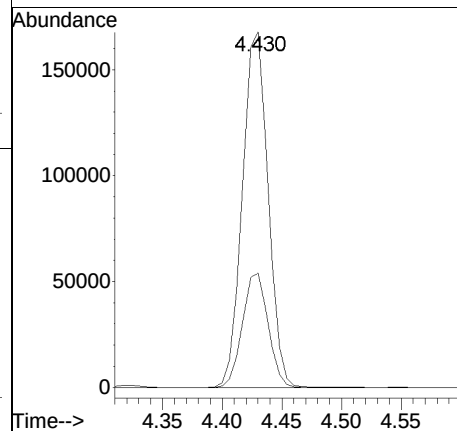
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	479276		
87	31.8		26.2	39.2
135	62.5		54.1	81.1

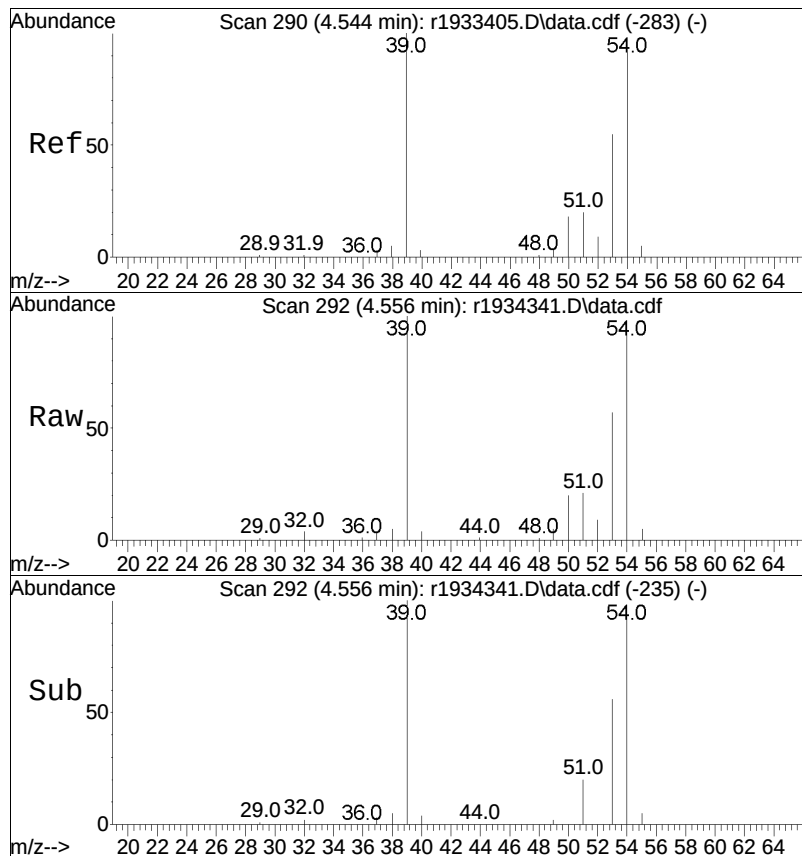




#9
vinyl chloride
Concen: 10.07 ppbV
RT: 4.430 min Scan# 271
Delta R.T. 0.012 min
Lab File: r1934341.D
Acq: 7 May 2025 12:06 PM

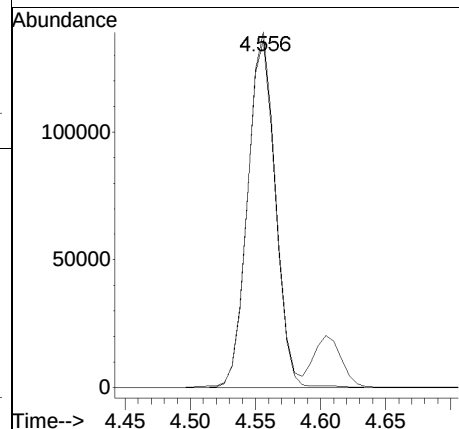
Tgt	Ion	Ratio	Lower	Upper
62	100			
64	32.2	25.9	38.9	

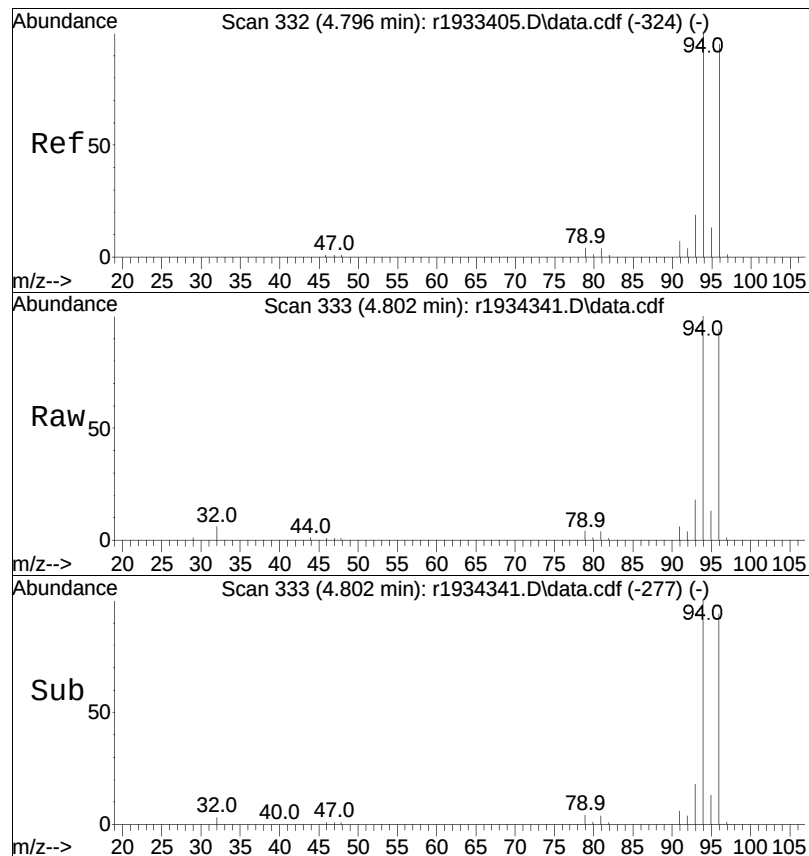




#10
 1,3-butadiene
 Concen: 10.11 ppbV
 RT: 4.556 min Scan# 292
 Delta R.T. 0.012 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

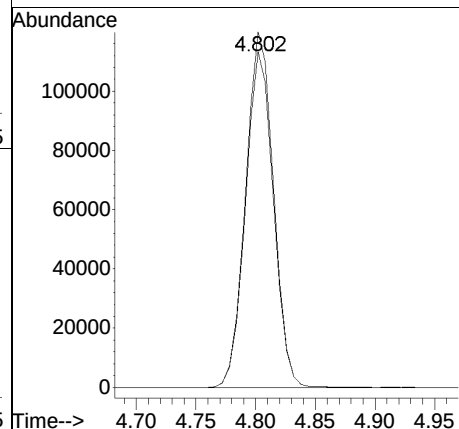
Tgt Ion:	54	Resp:	201156
Ion Ratio	Lower	Upper	
54	100		
39	102.4	84.2	126.4

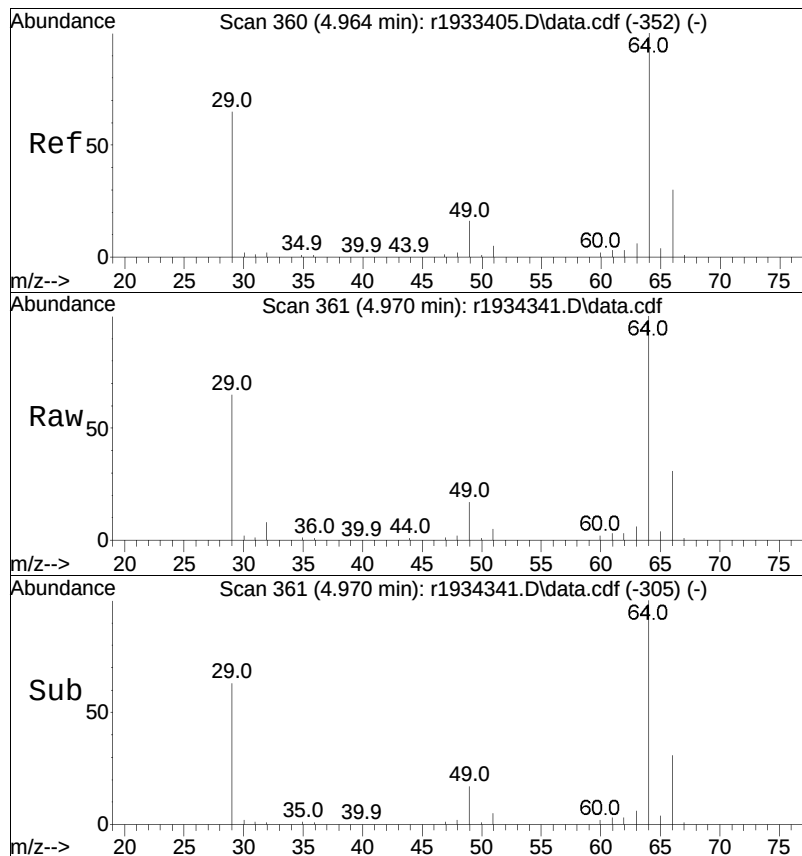




#13
bromomethane
Concen: 7.82 ppbV
RT: 4.802 min Scan# 333
Delta R.T. 0.006 min
Lab File: r1934341.D
Acq: 7 May 2025 12:06 PM

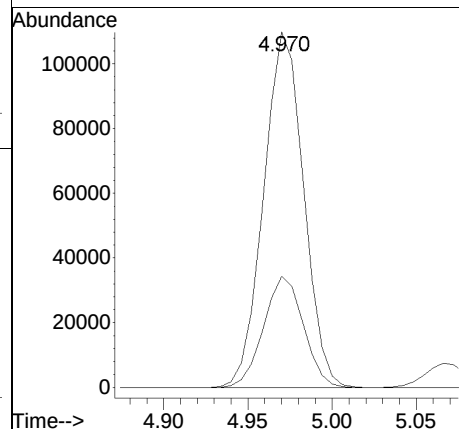
Tgt Ion	Ion	Ratio	Lower	Upper
94	100			
96	94.5	75.6	113.4	

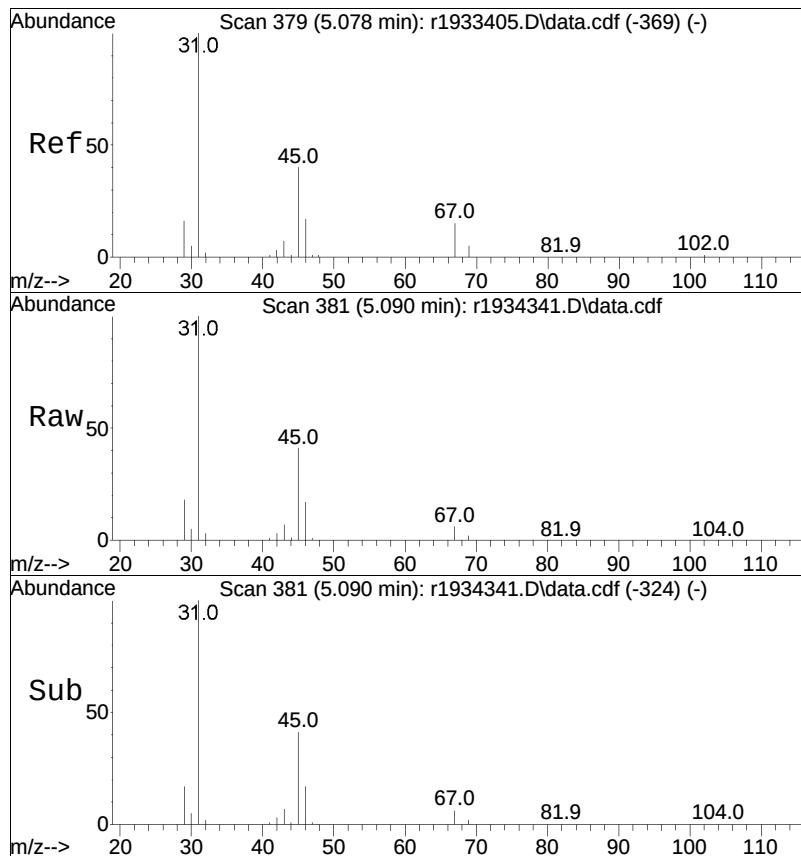




#14
 chloroethane
 Concen: 9.06 ppbV
 RT: 4.970 min Scan# 361
 Delta R.T. 0.006 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

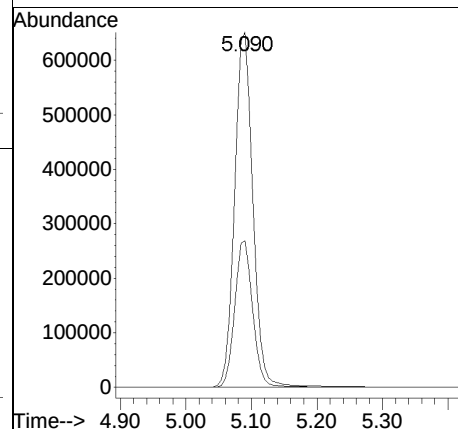
Tgt	Ion	Ratio	Lower	Upper
64	100			
66	31.3	23.8	35.8	

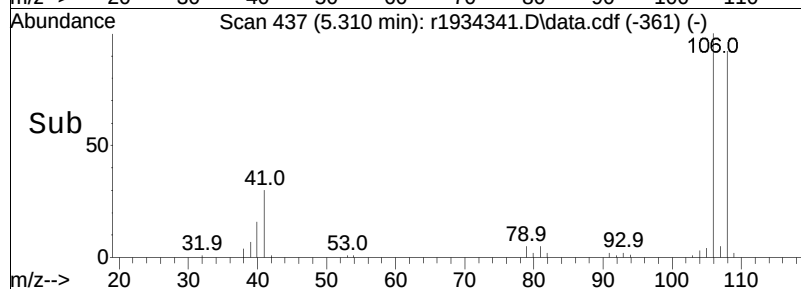
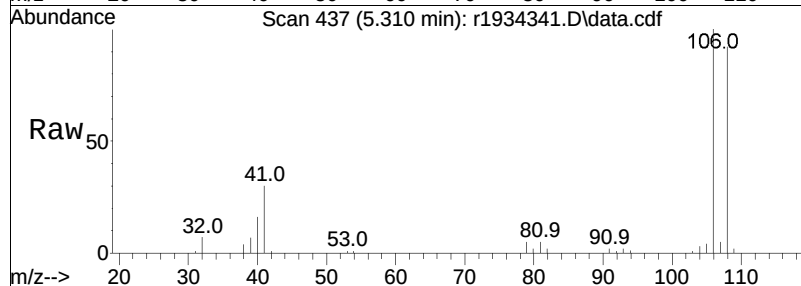
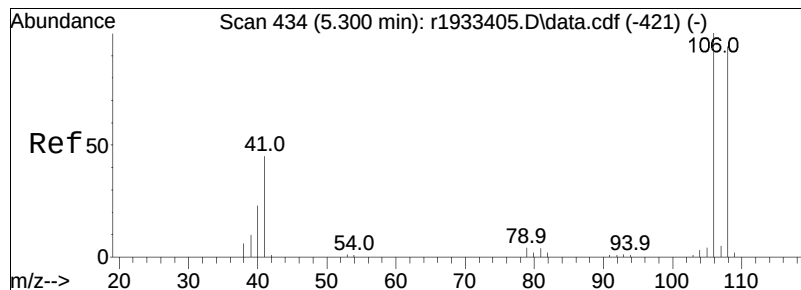




#15
ethanol
Concen: 44.84 ppbV
RT: 5.090 min Scan# 381
Delta R.T. 0.012 min
Lab File: r1934341.D
Acq: 7 May 2025 12:06 PM

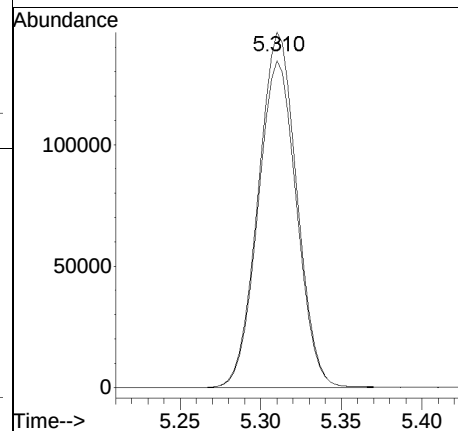
Tgt Ion	Ratio	Lower	Upper
31	100		
45	41.3	31.8	47.8

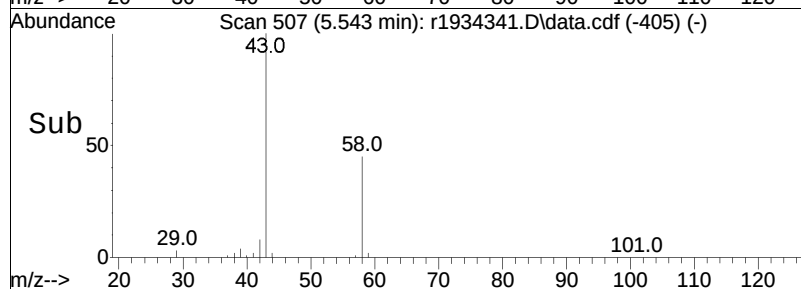
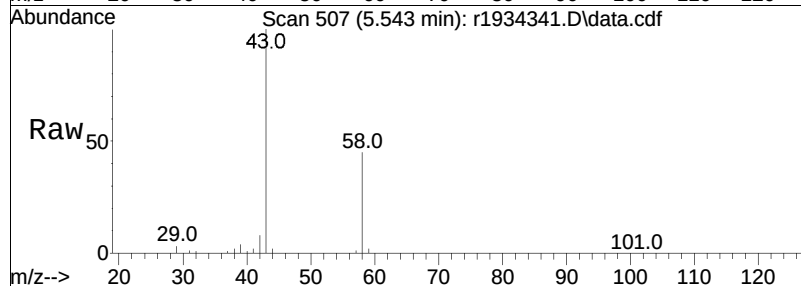
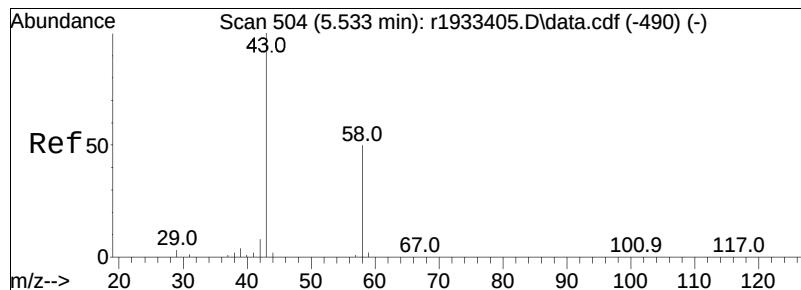




#17
vinyl bromide
Concen: 10.06 ppbV
RT: 5.310 min Scan# 437
Delta R.T. 0.010 min
Lab File: r1934341.D
Acq: 7 May 2025 12:06 PM

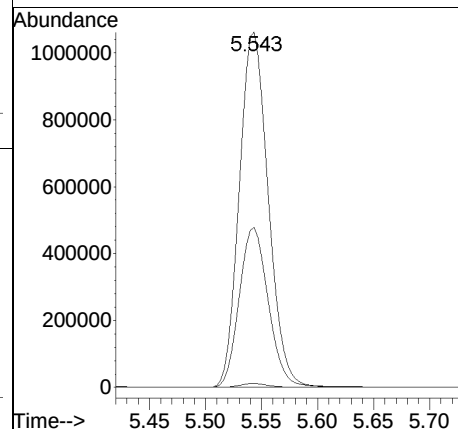
Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
108	92.0	75.1	112.7	

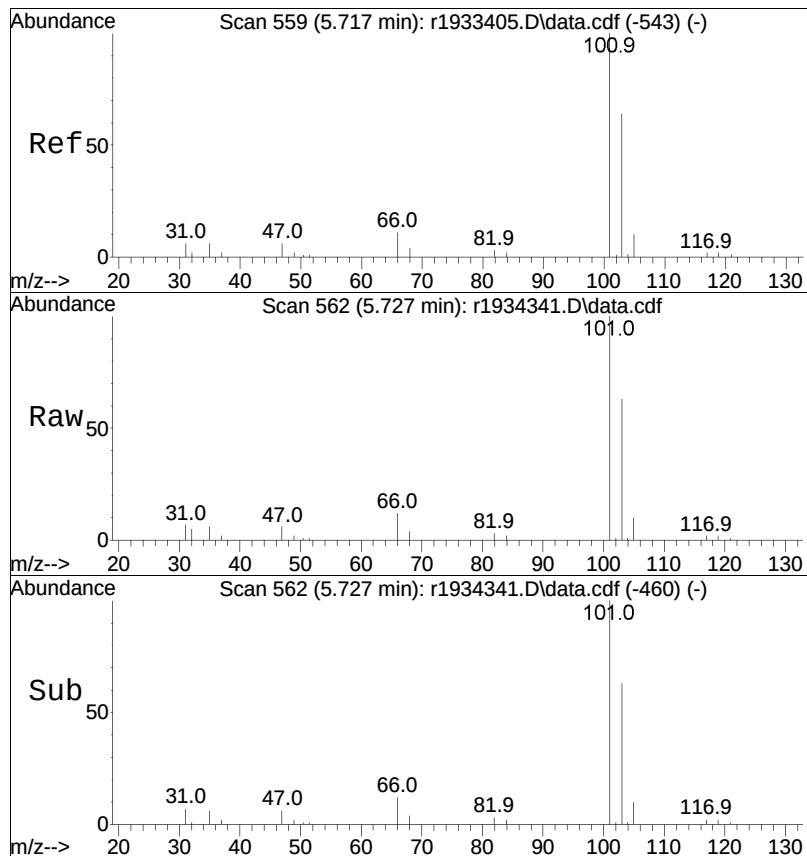




#19
acetone
Concen: 52.15 ppbV
RT: 5.543 min Scan# 507
Delta R.T. 0.010 min
Lab File: r1934341.D
Acq: 7 May 2025 12:06 PM

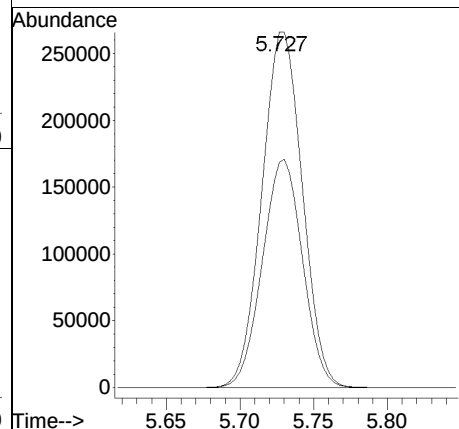
Tgt Ion	Ratio	Lower	Upper
43	100		
58	45.0	40.4	60.6
57	1.1	1.0	1.4

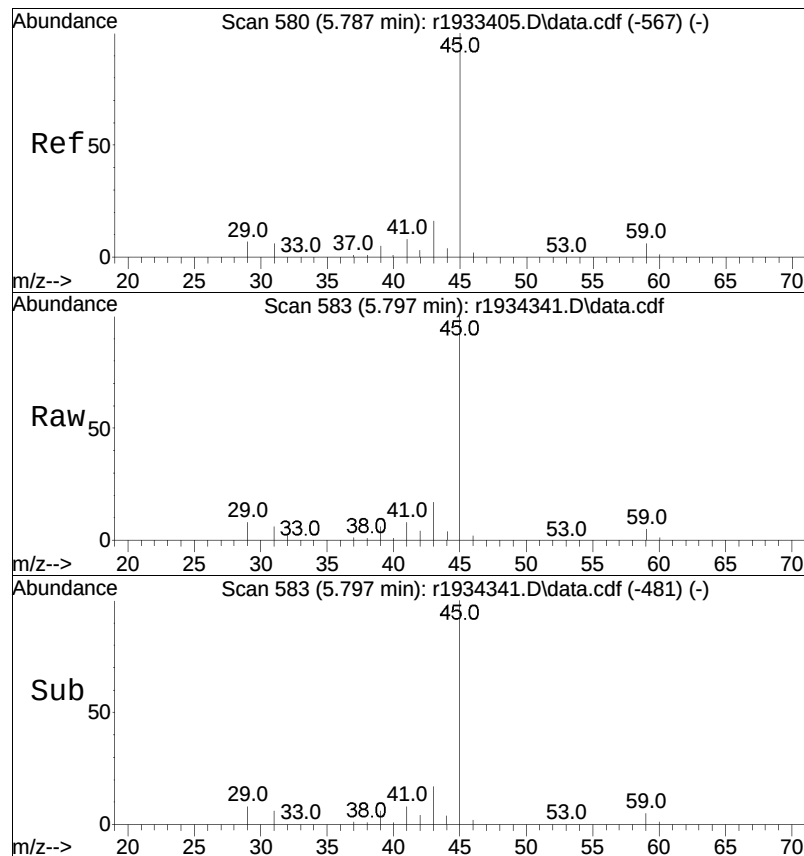




#21
 trichlorofluoromethane
 Concen: 11.39 ppbV
 RT: 5.727 min Scan# 562
 Delta R.T. 0.010 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

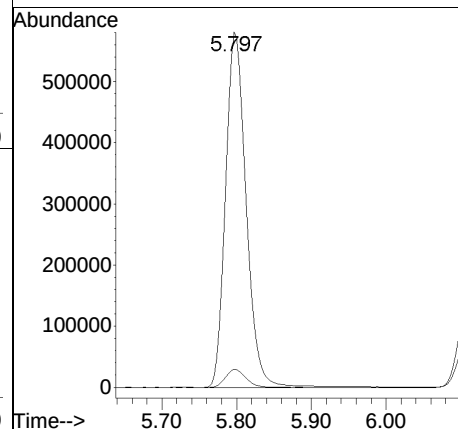
Tgt	Ion	Ratio	Lower	Upper
101	101	100		
103	63.4	51.0	76.4	

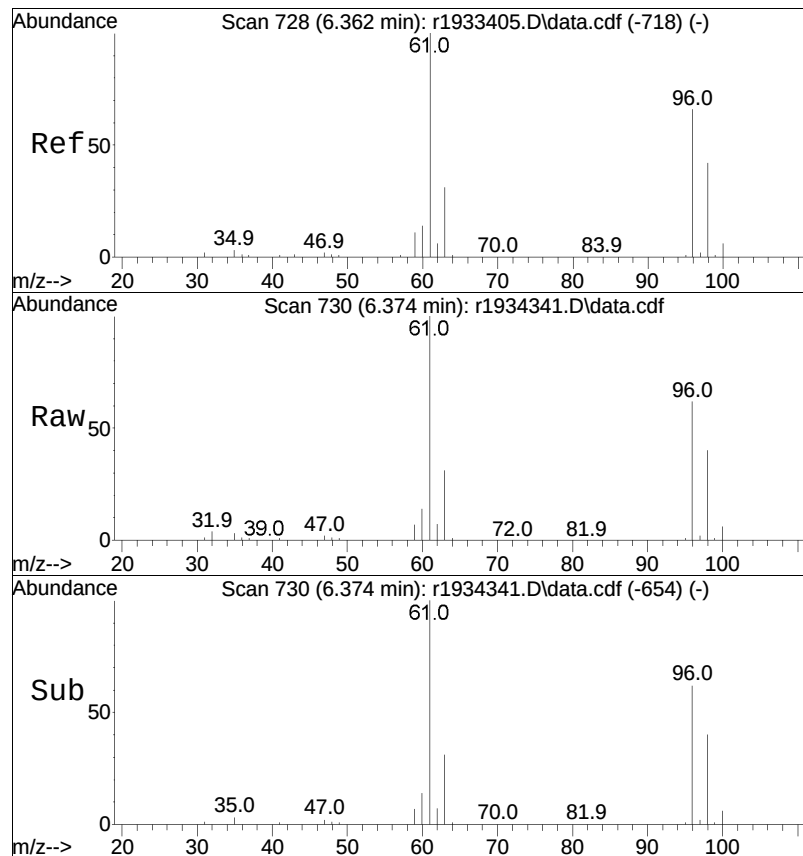




#22
isopropyl alcohol
Concen: 26.34 ppbV
RT: 5.797 min Scan# 583
Delta R.T. 0.010 min
Lab File: r1934341.D
Acq: 7 May 2025 12:06 PM

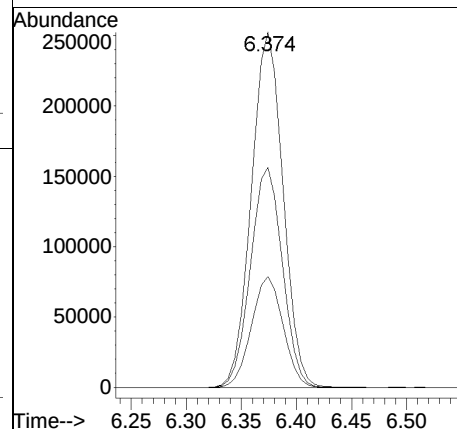
Tgt Ion	Ratio	Lower	Upper
45	100		
59	5.1	4.4	6.6

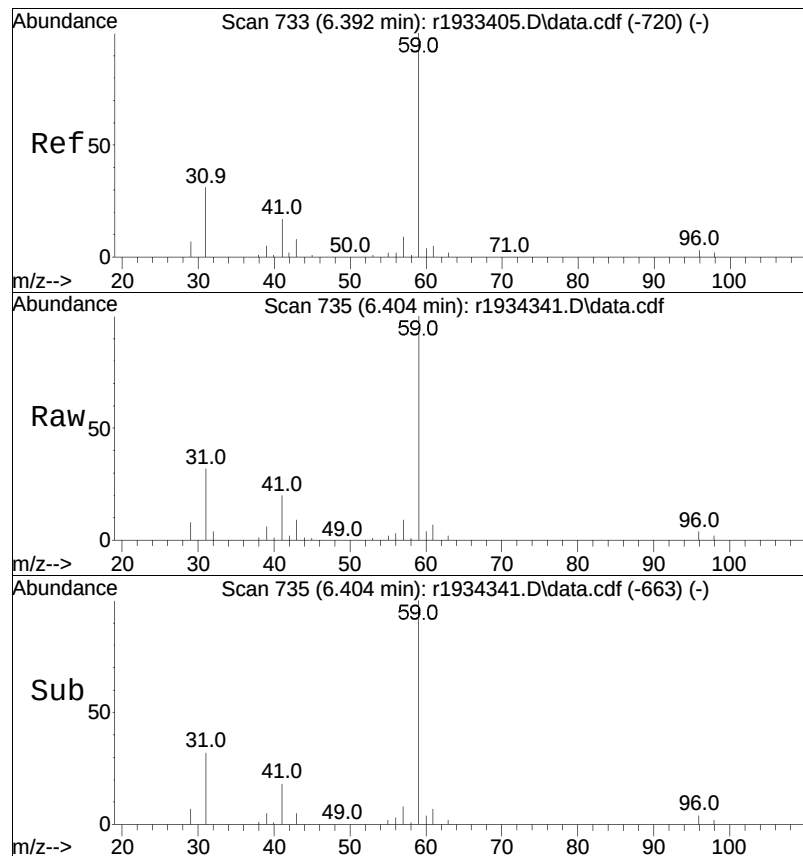




#26
 1,1-dichloroethene
 Concen: 11.04 ppbV
 RT: 6.374 min Scan# 730
 Delta R.T. 0.012 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

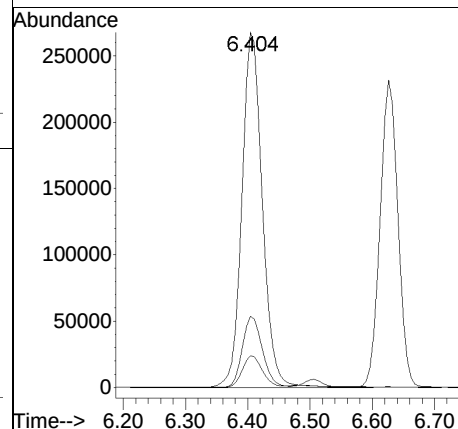
Tgt Ion:	61	Resp:	505261
Ion Ratio	Lower	Upper	
61	100		
96	62.0	52.4	78.6
63	31.2	25.2	37.8

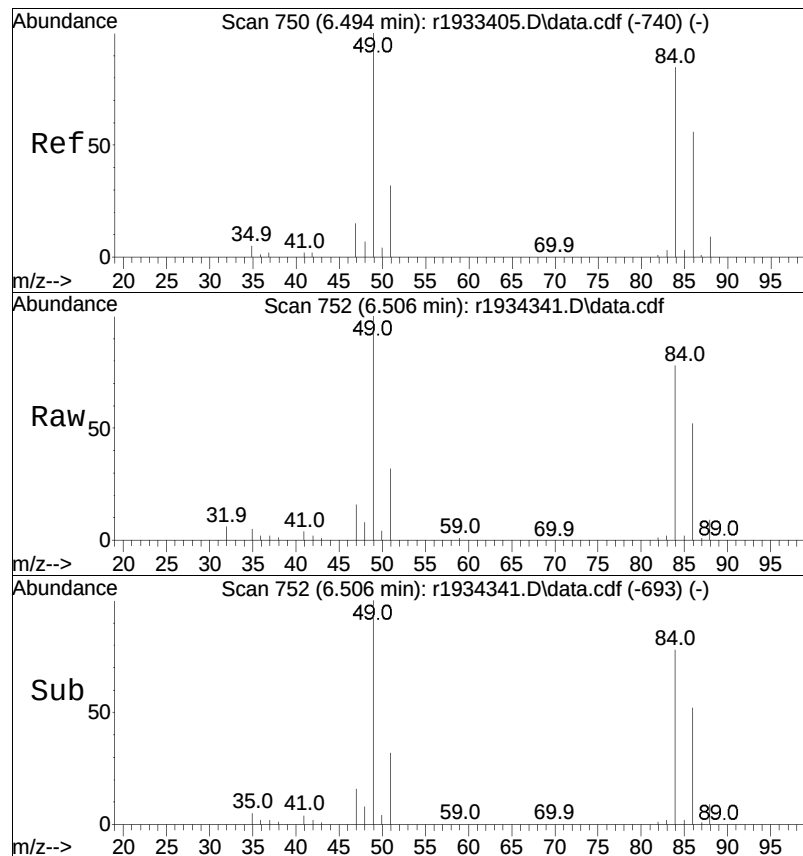




#27
 tertiary butyl alcohol
 Concen: 9.26 ppbV
 RT: 6.404 min Scan# 735
 Delta R.T. 0.012 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

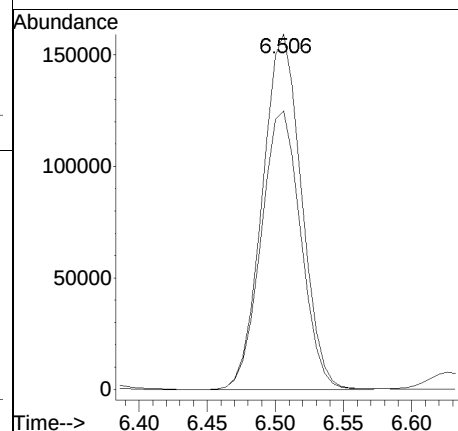
Tgt	Ion: 59	Resp: 611612
Ion	Ratio	Lower Upper
59	100	
41	20.0	14.0 21.0
43	8.9	6.3 9.5

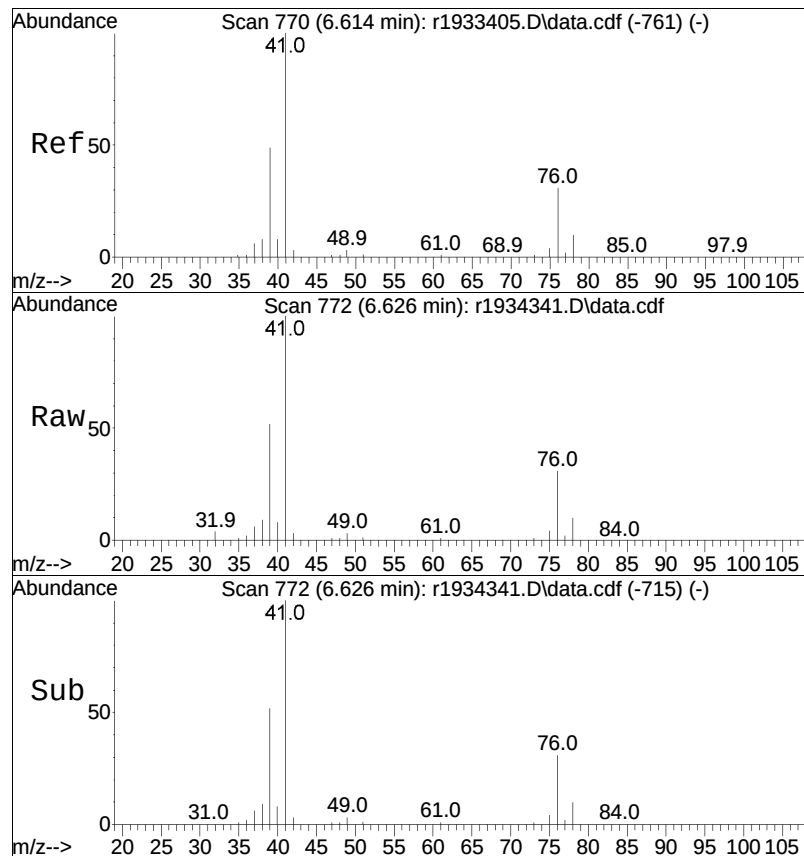




#28
 methylene chloride
 Concen: 11.42 ppbV
 RT: 6.506 min Scan# 752
 Delta R.T. 0.012 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

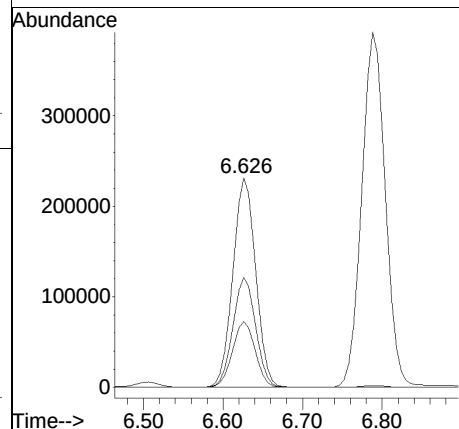
Tgt Ion:	49	84	Ratio	100	Resp:	317394
Ion	49	84	Ratio	100	Lower	Upper
	49	84	78.4	68.4	102.6	

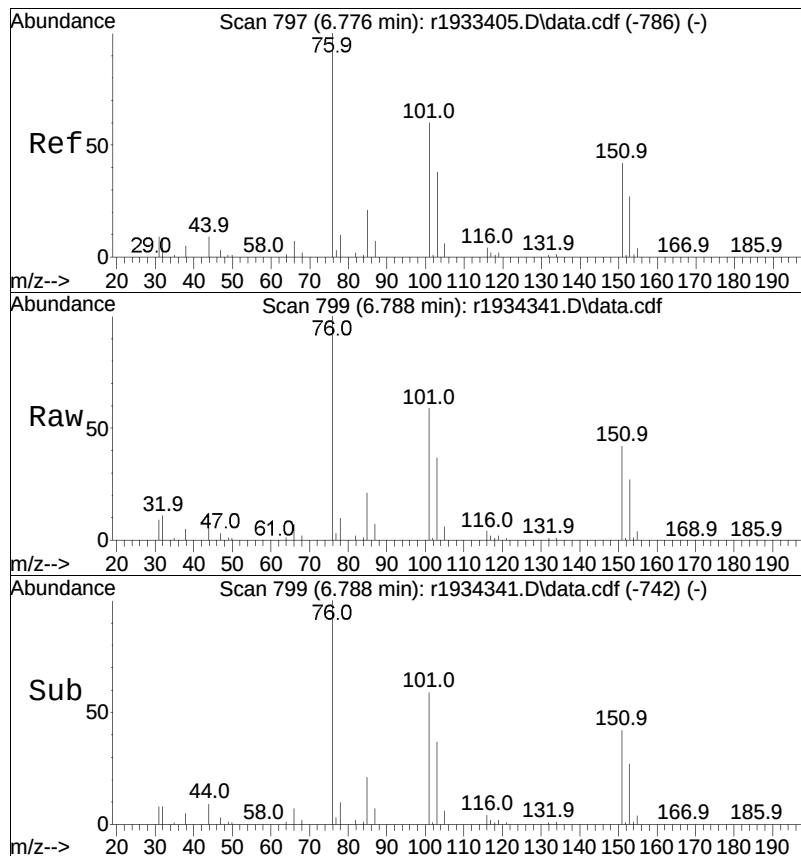




#29
 3-chloropropene
 Concen: 10.72 ppbV
 RT: 6.626 min Scan# 772
 Delta R.T. 0.012 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

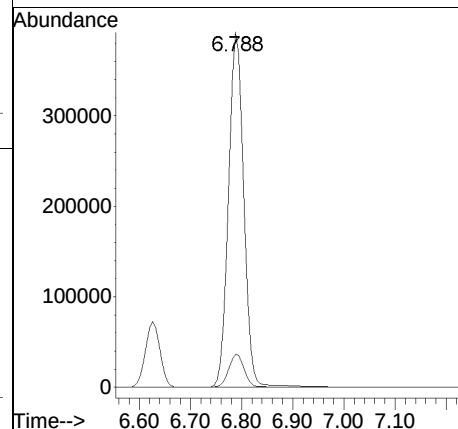
Tgt Ion:	41	Resp:	460916
Ion Ratio	Lower	Upper	
41	100		
39	52.5	39.5	59.3
76	31.4	25.1	37.7

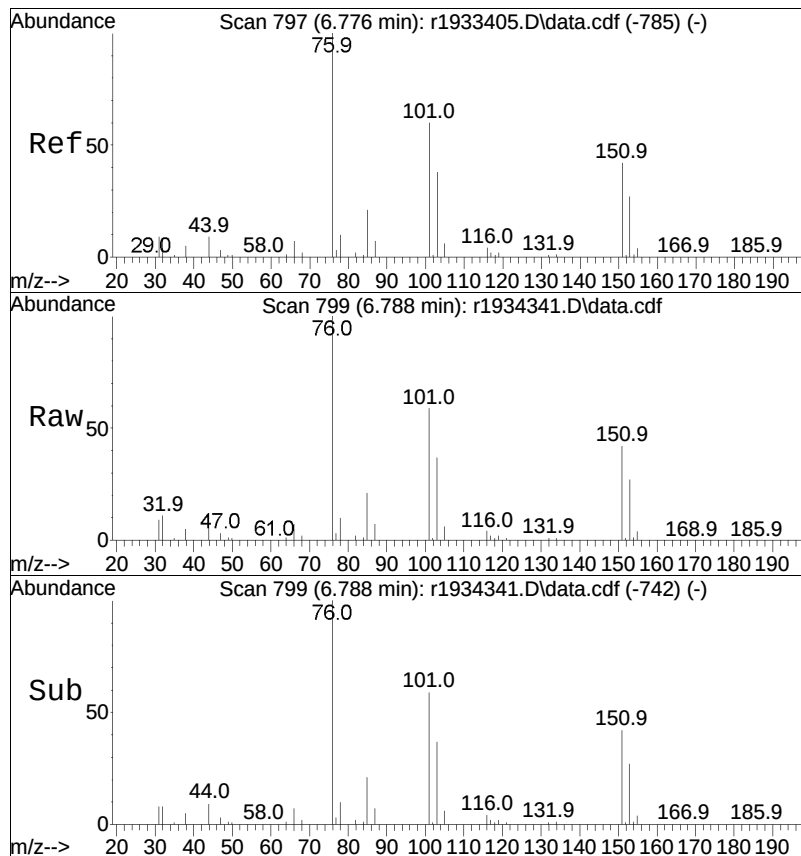




#30
 carbon disulfide
 Concen: 10.75 ppbV
 RT: 6.788 min Scan# 799
 Delta R.T. 0.012 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

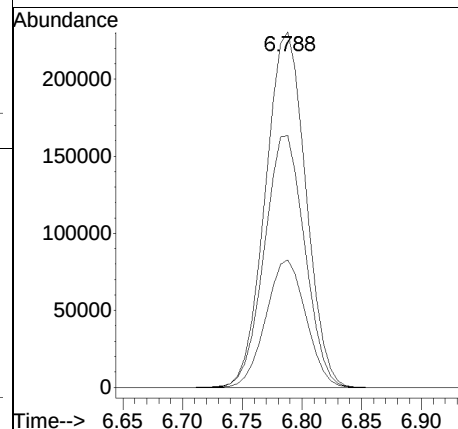
Tgt	Ion	Resp	819012
Ion	Ratio	Lower	Upper
76	100		
44	9.3	7.0	10.6

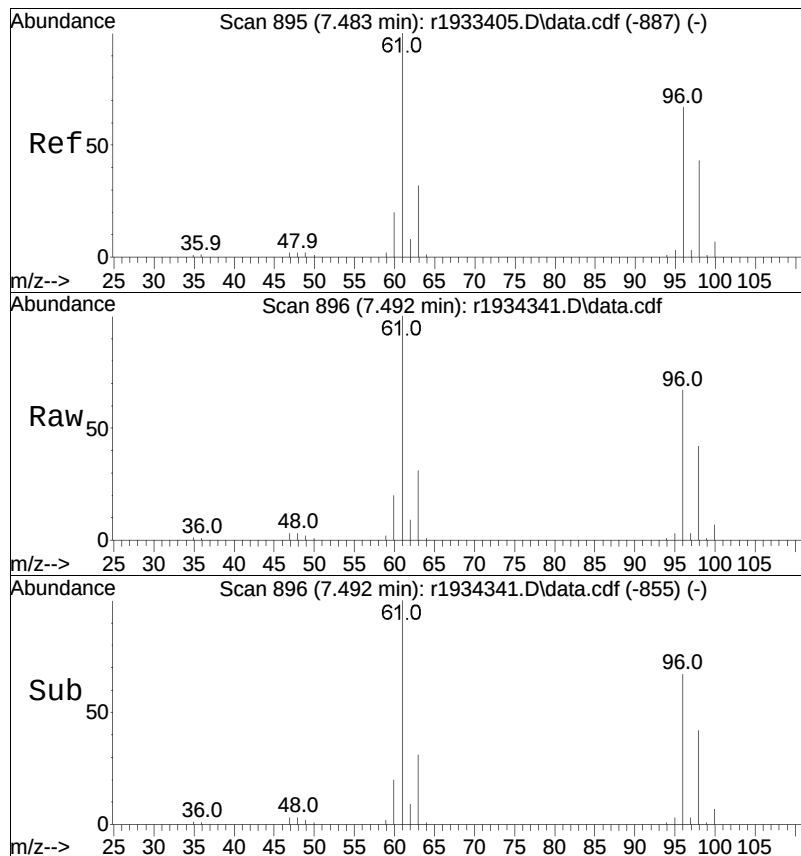




#31
 Freon 113
 Concen: 10.63 ppbV
 RT: 6.788 min Scan# 799
 Delta R.T. 0.012 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

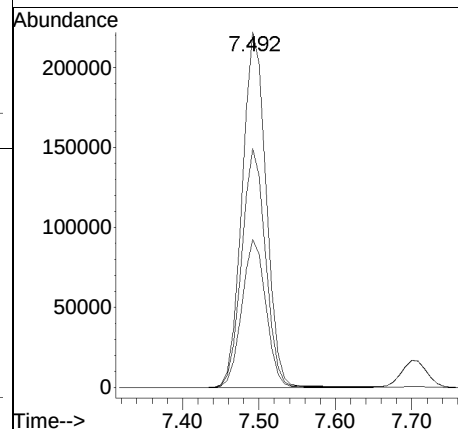
Tgt	Ion	Ratio	Resp	Lower	Upper
101	100		542349		
85	35.9	27.7		41.5	
151	70.8	56.6		85.0	

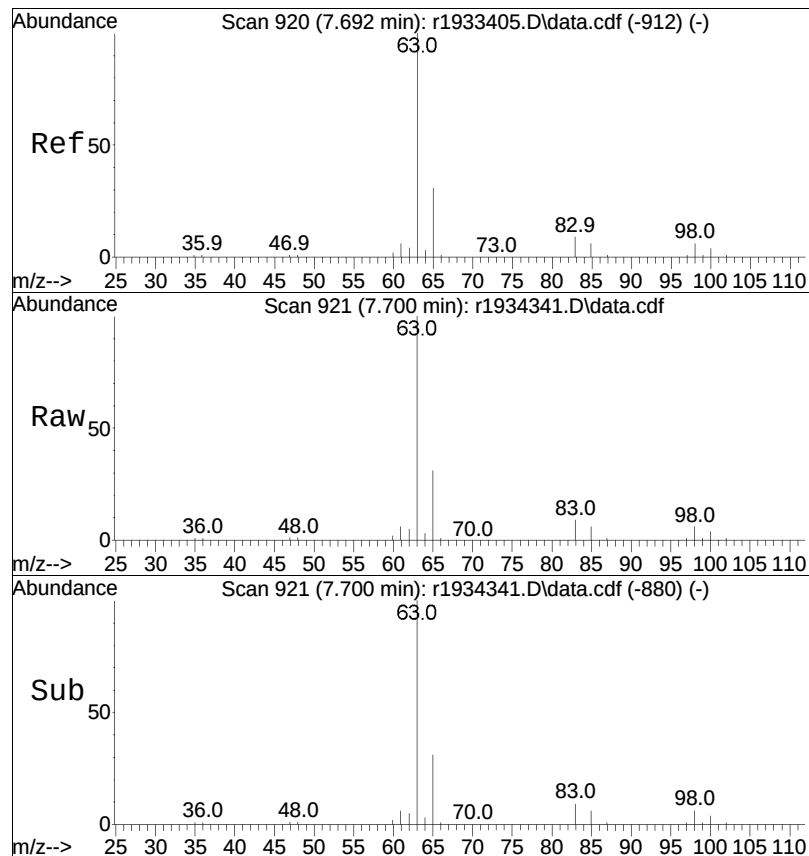




#32
 trans-1,2-dichloroethene
 Concen: 10.54 ppbV
 RT: 7.492 min Scan# 896
 Delta R.T. 0.008 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

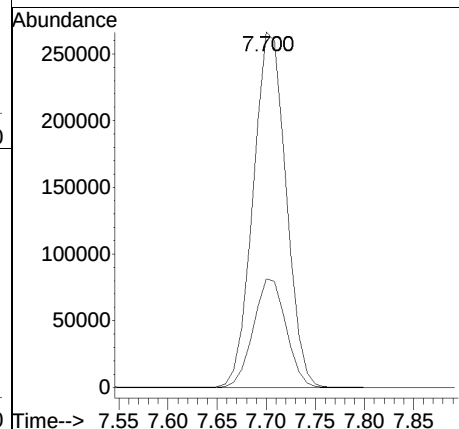
Tgt Ion:	61	Resp:	486204
Ion Ratio	Lower	Upper	
61	100		
96	67.3	53.8	80.6
98	41.6	34.3	51.5

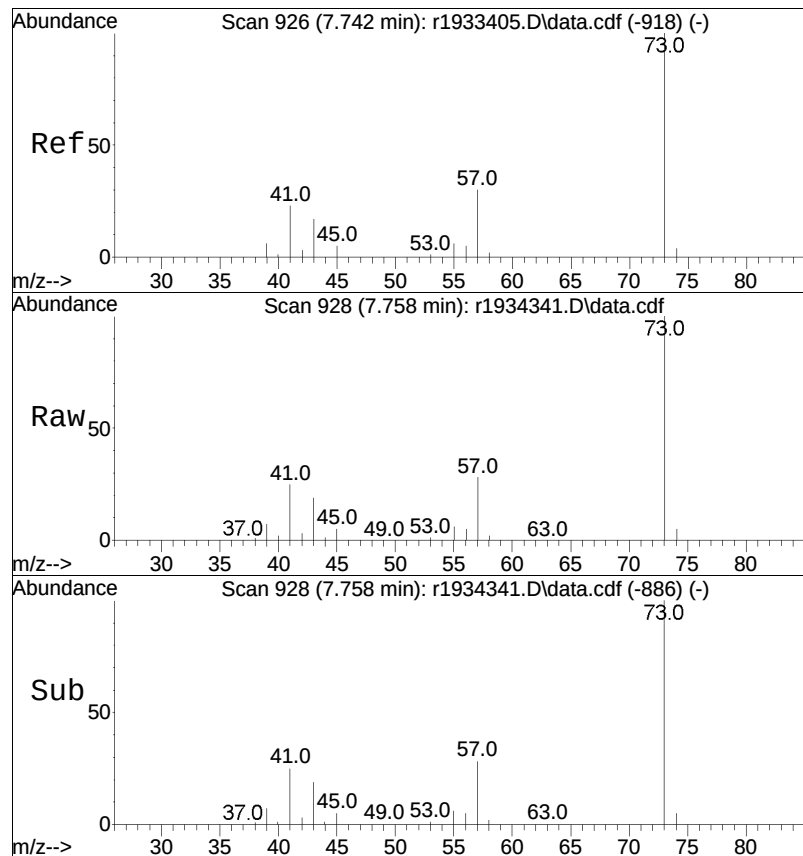




#33
 1,1-dichloroethane
 Concen: 10.31 ppbV
 RT: 7.700 min Scan# 921
 Delta R.T. 0.008 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

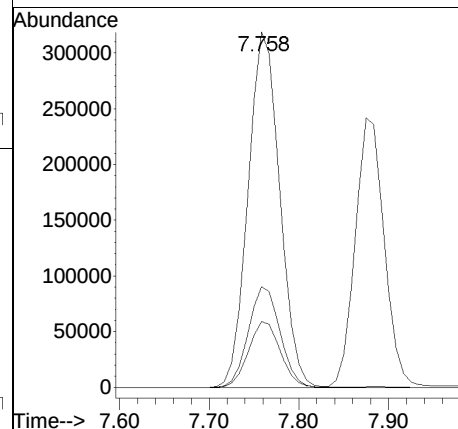
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.5	36.7

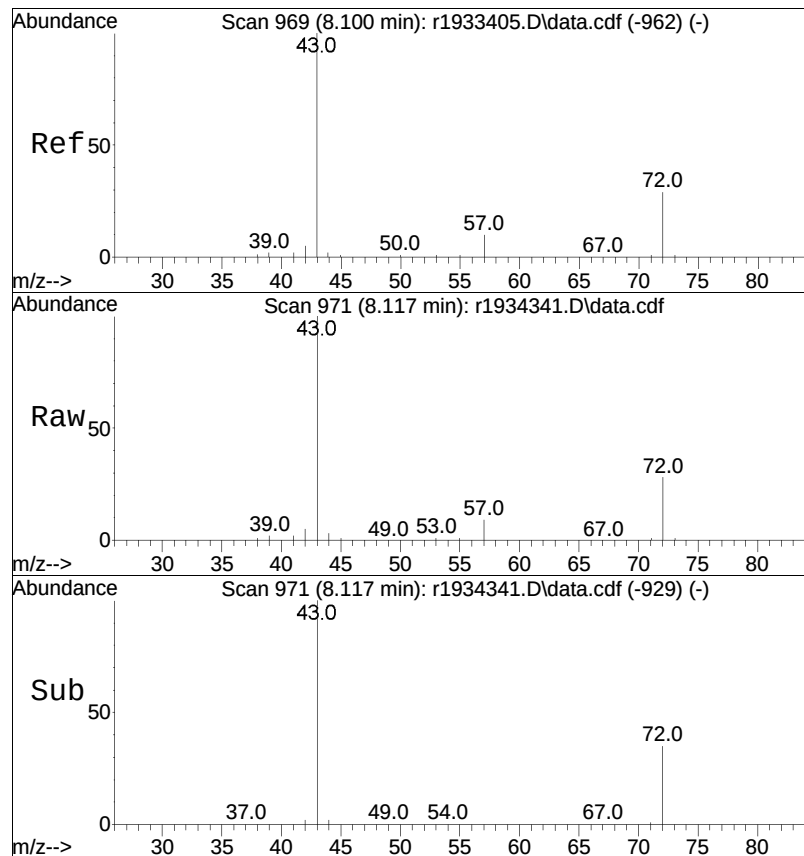




#34
 MTBE
 Concen: 10.98 ppbV
 RT: 7.758 min Scan# 928
 Delta R.T. 0.017 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

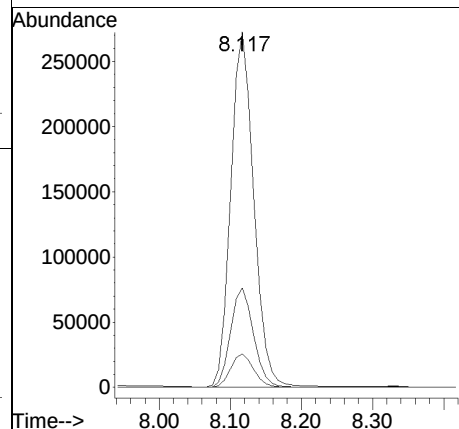
Tgt Ion:	73	Resp:	780558
Ion Ratio	Lower	Upper	
73	100		
57	28.4	24.2	36.2
43	18.5	13.8	20.8

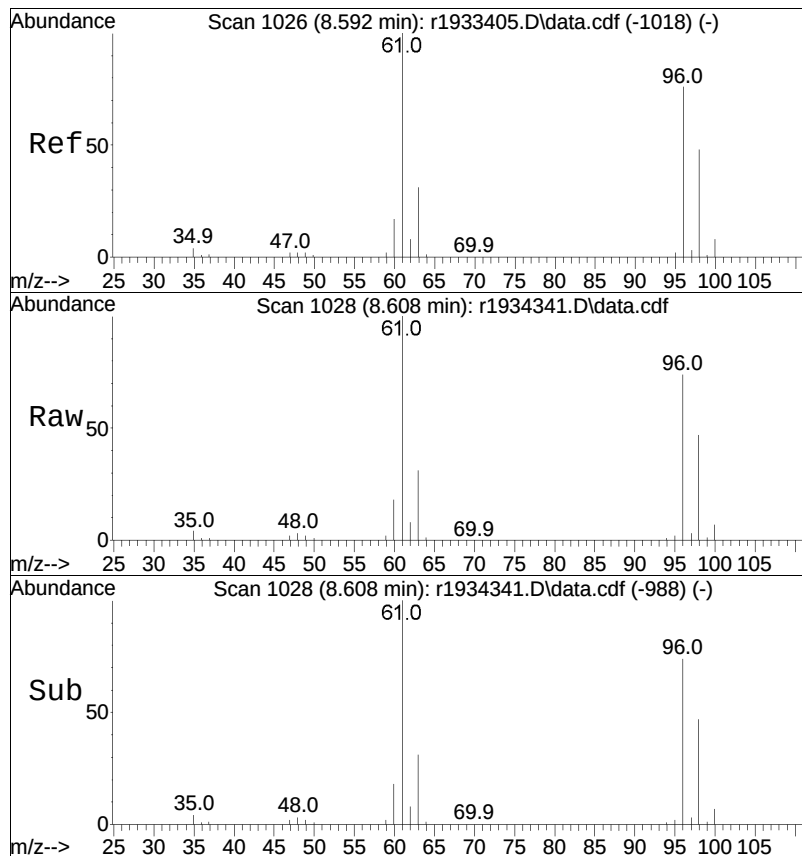




#36
 2-butanone
 Concen: 11.19 ppbV
 RT: 8.117 min Scan# 971
 Delta R.T. 0.017 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

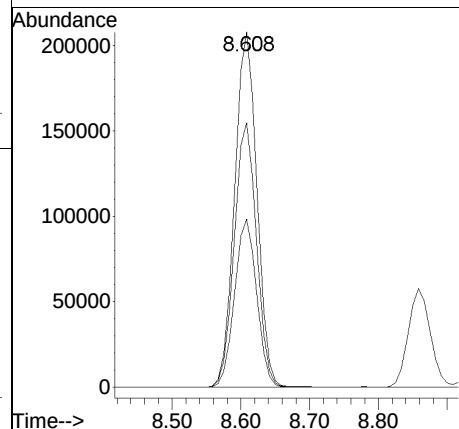
Tgt Ion:	43	Resp:	655370
Ion Ratio	Lower	Upper	
43	100		
72	28.0	23.3	34.9
57	9.4	7.9	11.9

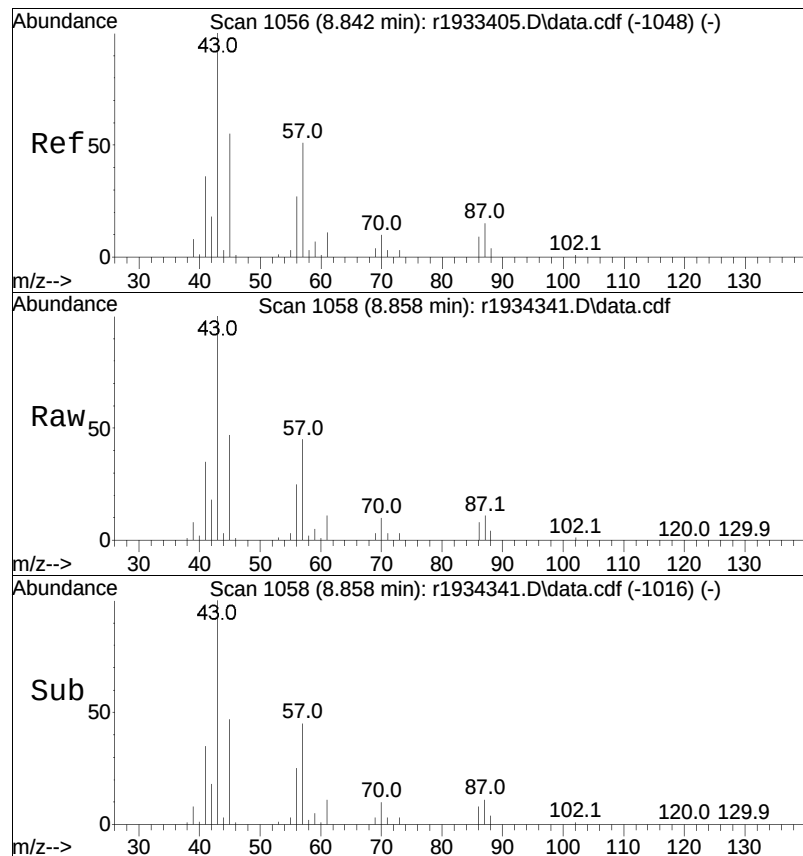




#37
 cis-1,2-dichloroethene
 Concen: 10.40 ppbV
 RT: 8.608 min Scan# 1028
 Delta R.T. 0.017 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

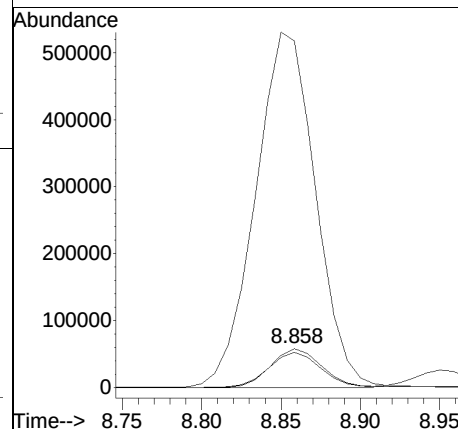
Tgt Ion:	61	Resp:	469296
Ion Ratio	Lower	Upper	
61	100		
96	74.5	61.1	91.7
98	47.3	38.5	57.7

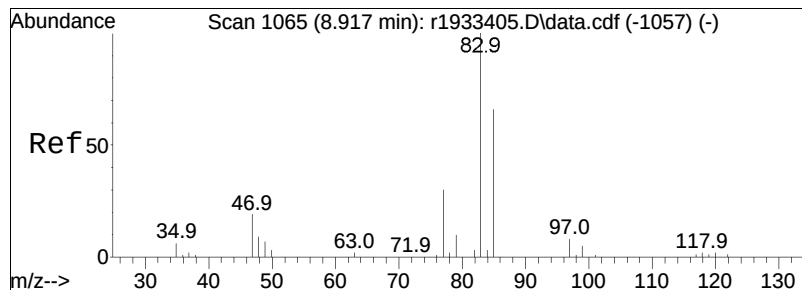




#38
 Ethyl Acetate
 Concen: 10.82 ppbV
 RT: 8.858 min Scan# 1058
 Delta R.T. 0.017 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

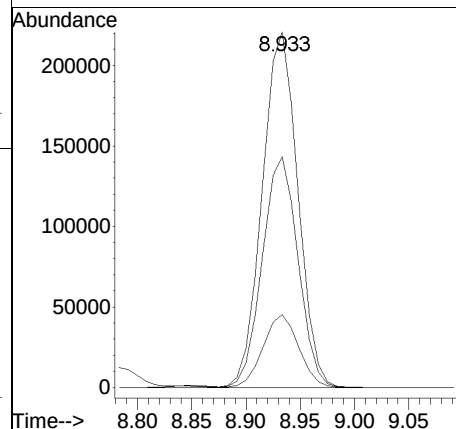
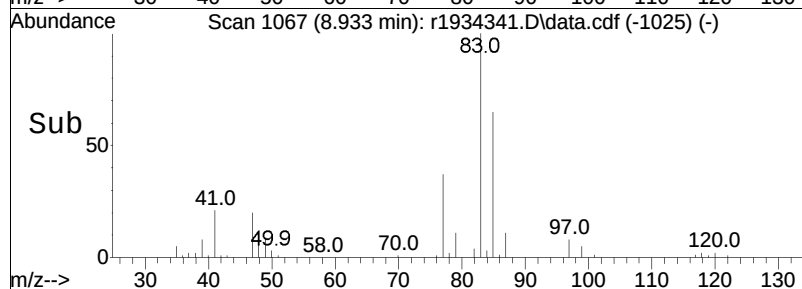
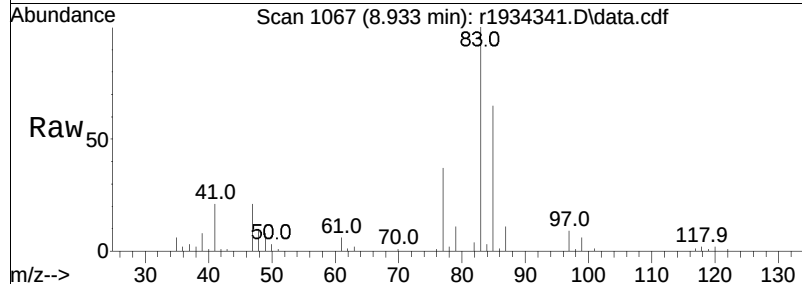
Tgt Ion:	61	Resp:	129722
Ion Ratio	Lower	Upper	
61	100		
70	90.7	72.0	108.0
43	893.7	714.4	1071.6

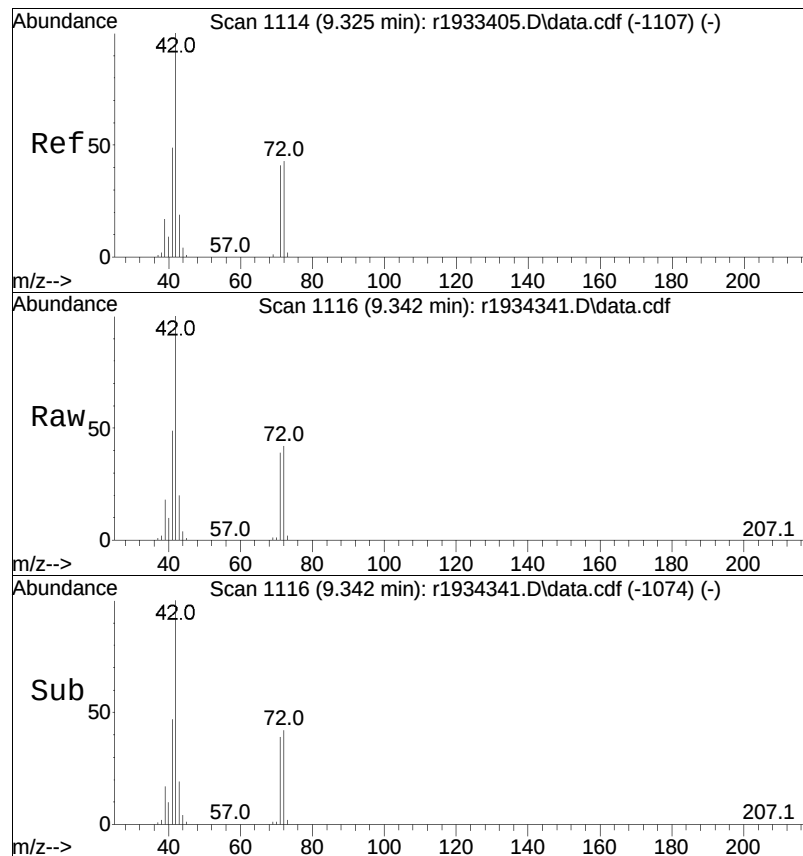




#39
 chloroform
 Concen: 10.98 ppbV
 RT: 8.933 min Scan# 1067
 Delta R.T. 0.017 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

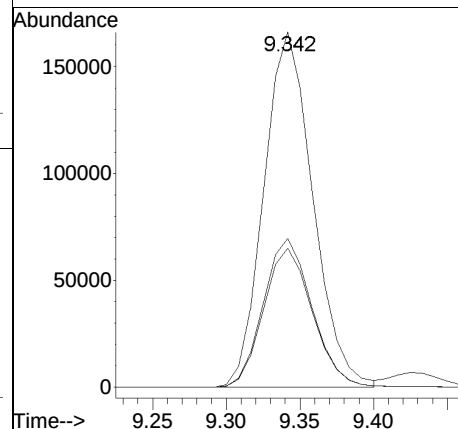
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	53.4	80.0
47	20.5	15.0	22.4

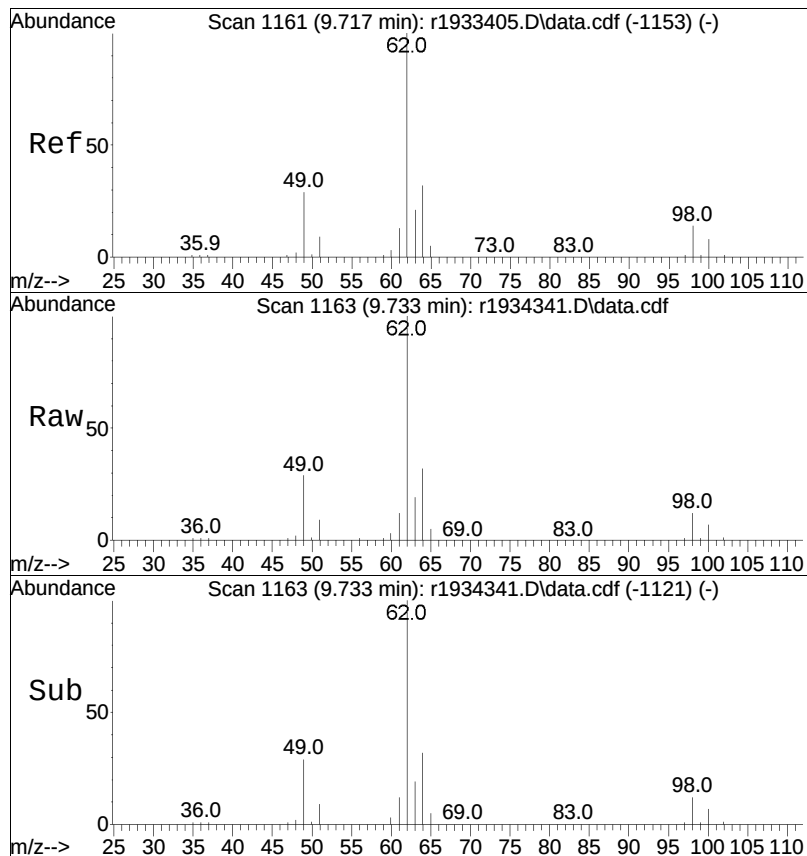




#40
 Tetrahydrofuran
 Concen: 11.56 ppbV
 RT: 9.342 min Scan# 1116
 Delta R.T. 0.017 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

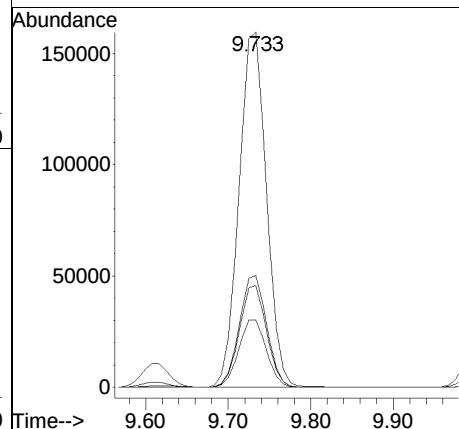
Tgt Ion	Ratio	Lower	Upper
42	100		
71	39.2	32.6	48.8
72	41.9	34.6	52.0

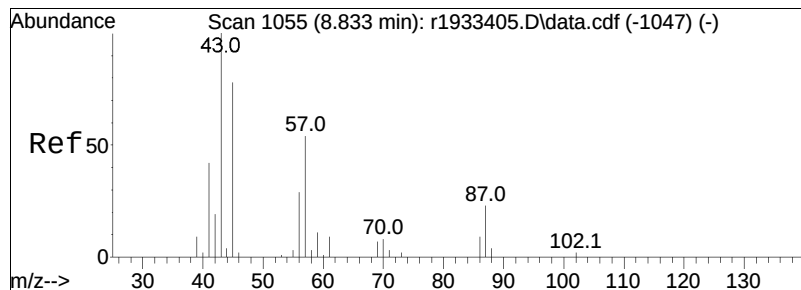




#42
 1,2-dichloroethane
 Concen: 11.19 ppbV
 RT: 9.733 min Scan# 1163
 Delta R.T. 0.017 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

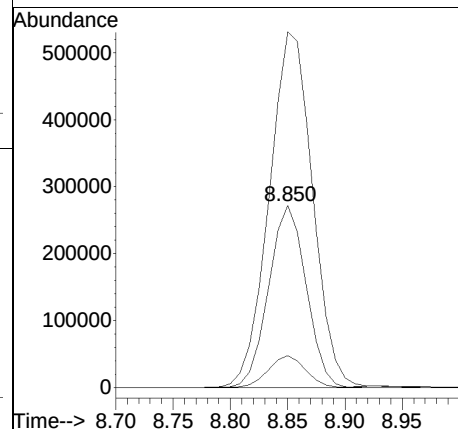
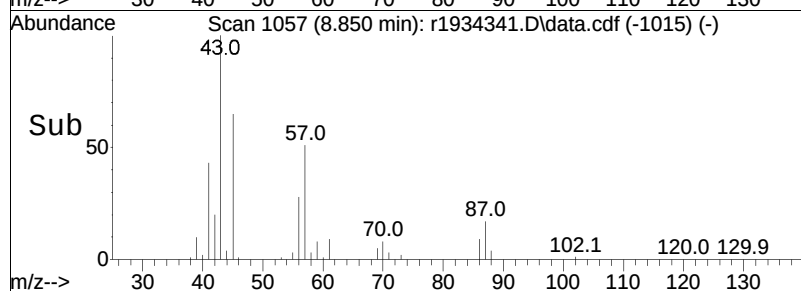
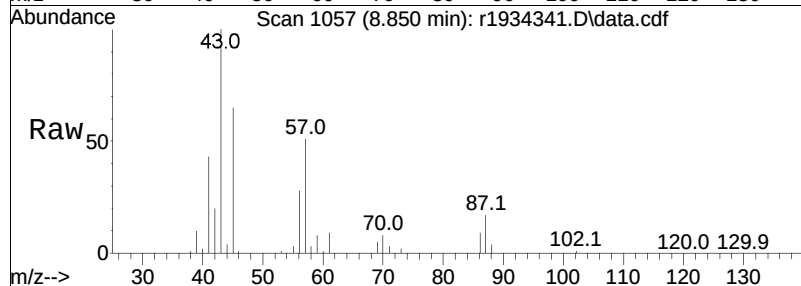
Tgt Ion:	62	Resp:	369437
Ion Ratio	Lower	Upper	
62	100		
64	31.5	25.4	38.0
49	28.7	23.2	34.8
63	19.0	16.7	25.1

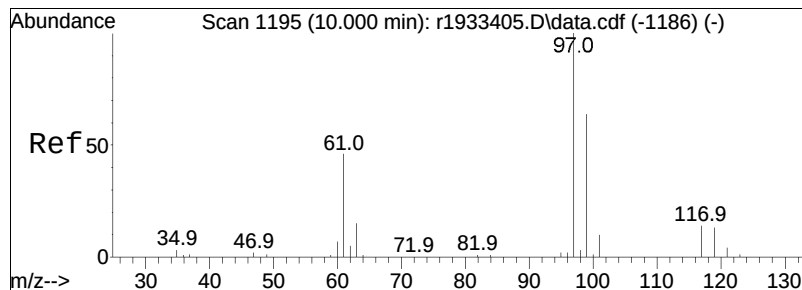




#44
hexane
Concen: 9.97 ppbV
RT: 8.850 min Scan# 1057
Delta R.T. 0.017 min
Lab File: r1934341.D
Acq: 7 May 2025 12:06 PM

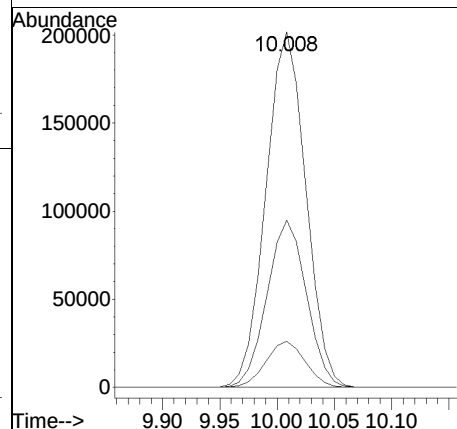
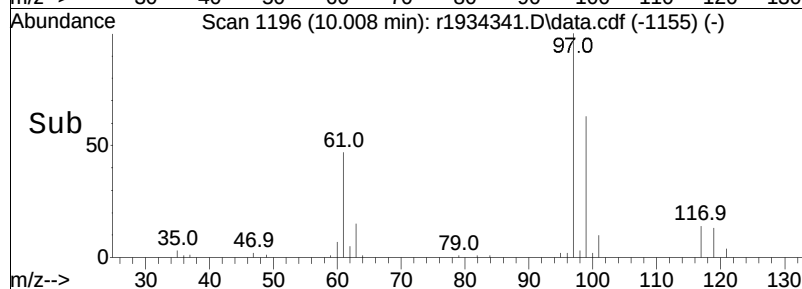
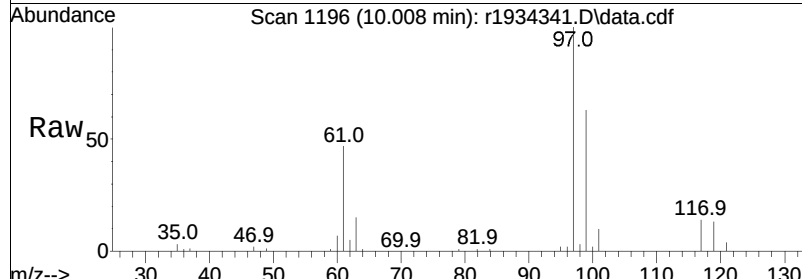
Tgt Ion	Ratio	Lower	Upper
57	100		
43	195.2	148.0	222.0
86	17.5	13.7	20.5

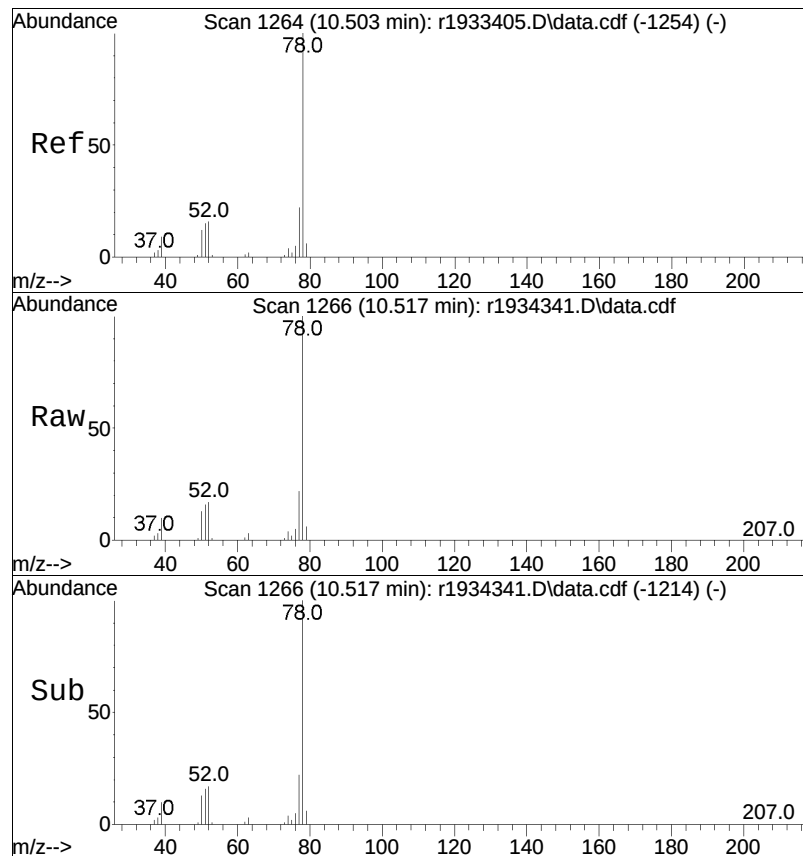




#48
 1,1,1-trichloroethane
 Concen: 11.42 ppbV
 RT: 10.008 min Scan# 1196
 Delta R.T. 0.008 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

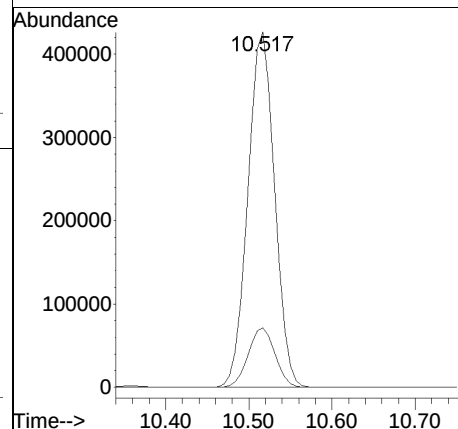
Tgt Ion	Ratio	Lower	Upper
97	100		
61	47.1	36.9	55.3
119	13.0	10.6	15.8

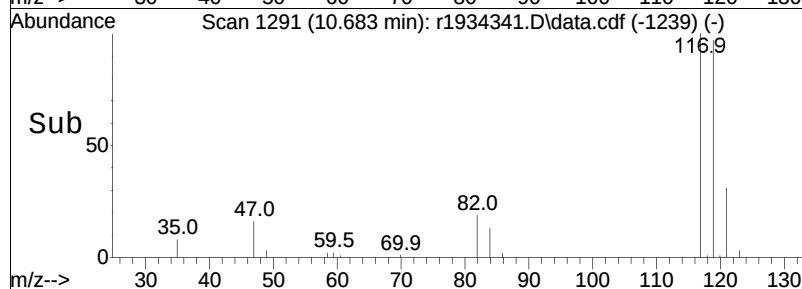
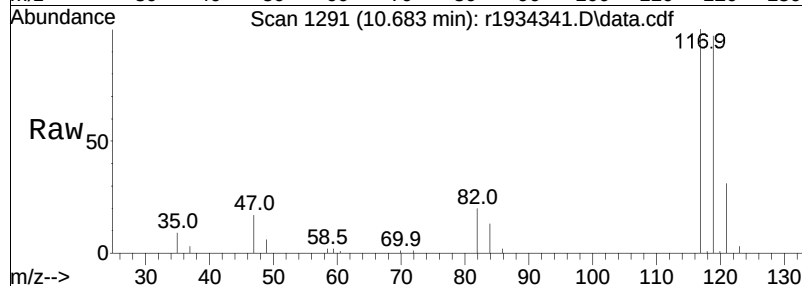
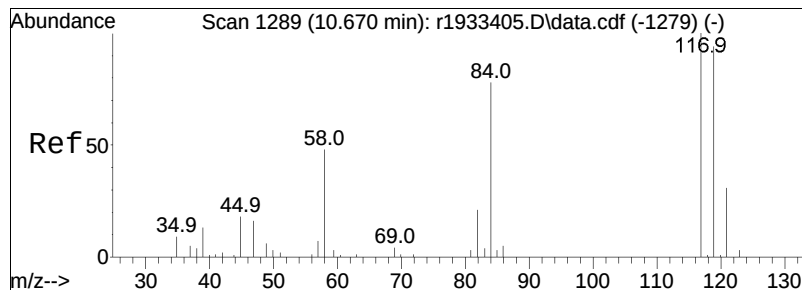




#50
benzene
Concen: 10.69 ppbV
RT: 10.517 min Scan# 1266
Delta R.T. 0.013 min
Lab File: r1934341.D
Acq: 7 May 2025 12:06 PM

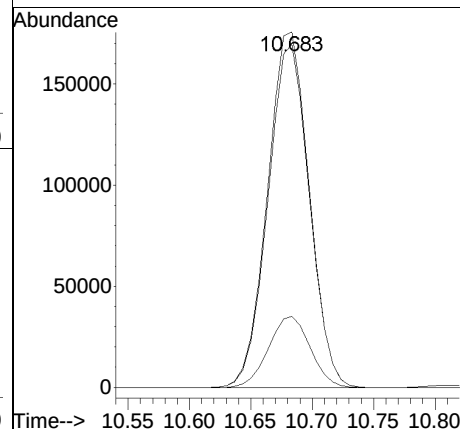
Tgt	Ion	Resp	Lower	Upper
78	100	953812		
52	16.8	13.2	19.8	

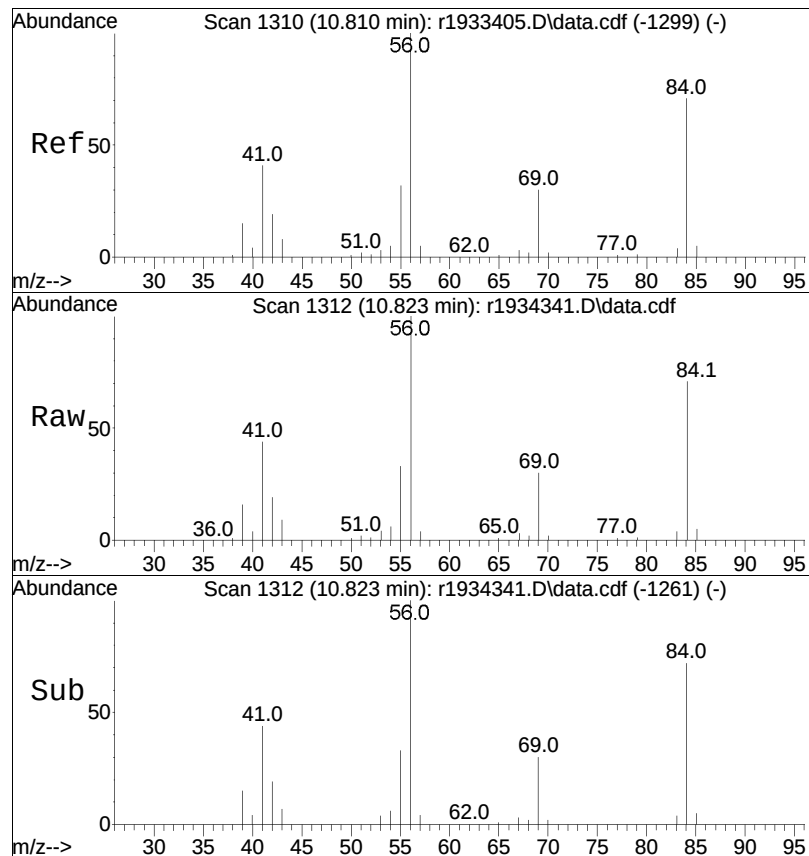




#52
 carbon tetrachloride
 Concen: 12.37 ppbV
 RT: 10.683 min Scan# 1291
 Delta R.T. 0.013 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

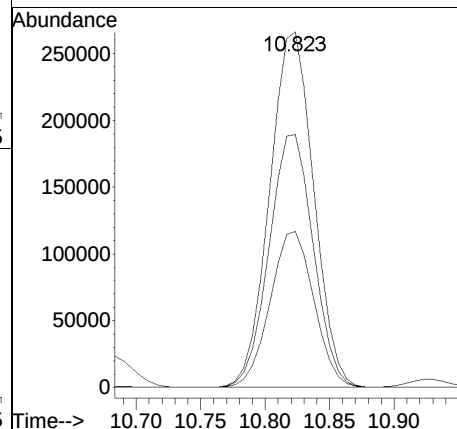
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	414526		
119	96.5		75.6	113.4
82	20.0		16.8	25.2

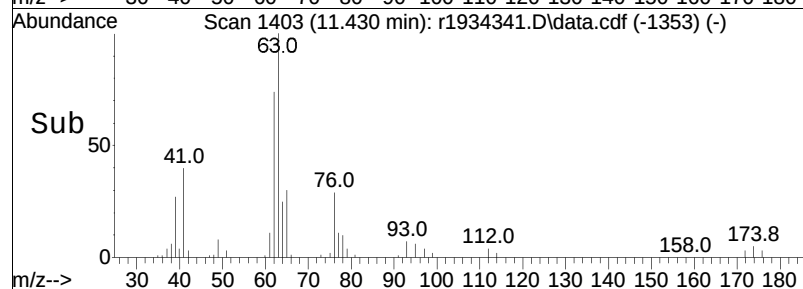
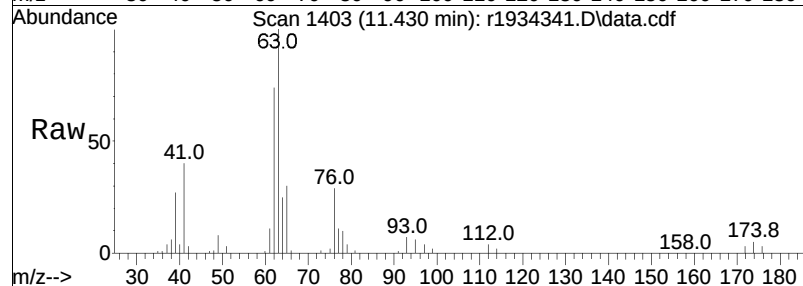
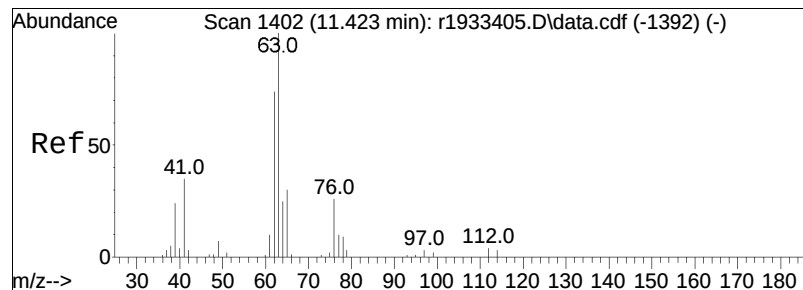




#53
cyclohexane
Concen: 10.64 ppbV
RT: 10.823 min Scan# 1312
Delta R.T. 0.013 min
Lab File: r1934341.D
Acq: 7 May 2025 12:06 PM

Tgt	Ion: 56	Resp: 633022
Ion	Ratio	Lower Upper
56	100	
84	71.2	56.8 85.2
41	43.9	32.8 49.2





#56

1,2-dichloropropane

Concen: 10.48 ppbV

RT: 11.430 min Scan# 1403

Delta R.T. 0.007 min

Lab File: r1934341.D

Acq: 7 May 2025 12:06 PM

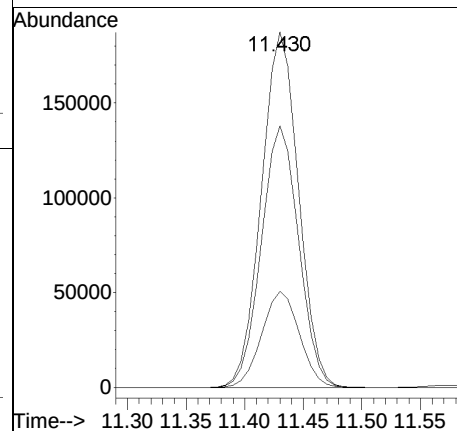
Tgt Ion: 63 Resp: 413302

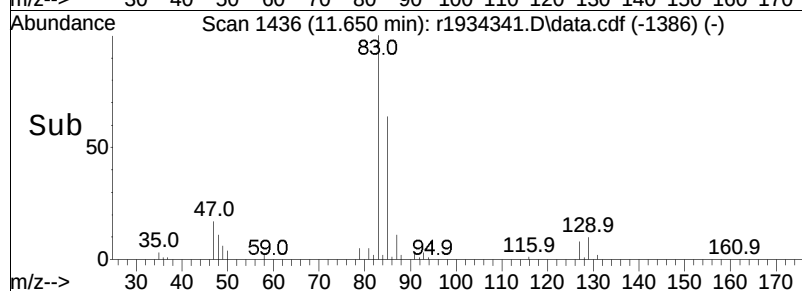
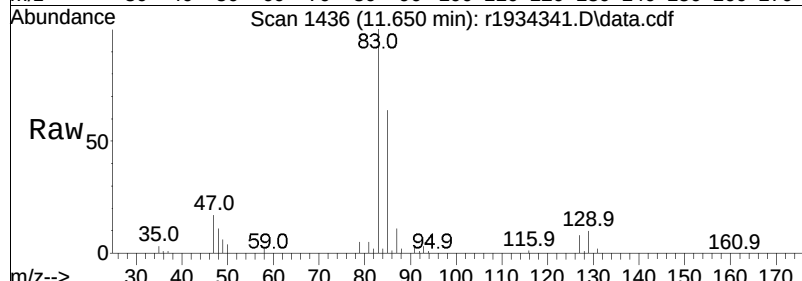
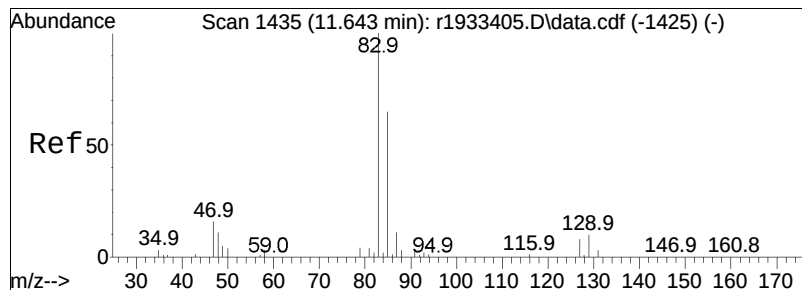
Ion Ratio Lower Upper

63 100

62 73.6 59.6 89.4

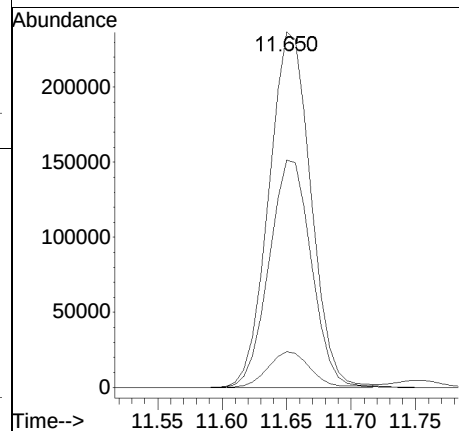
39 27.0 19.0 28.6

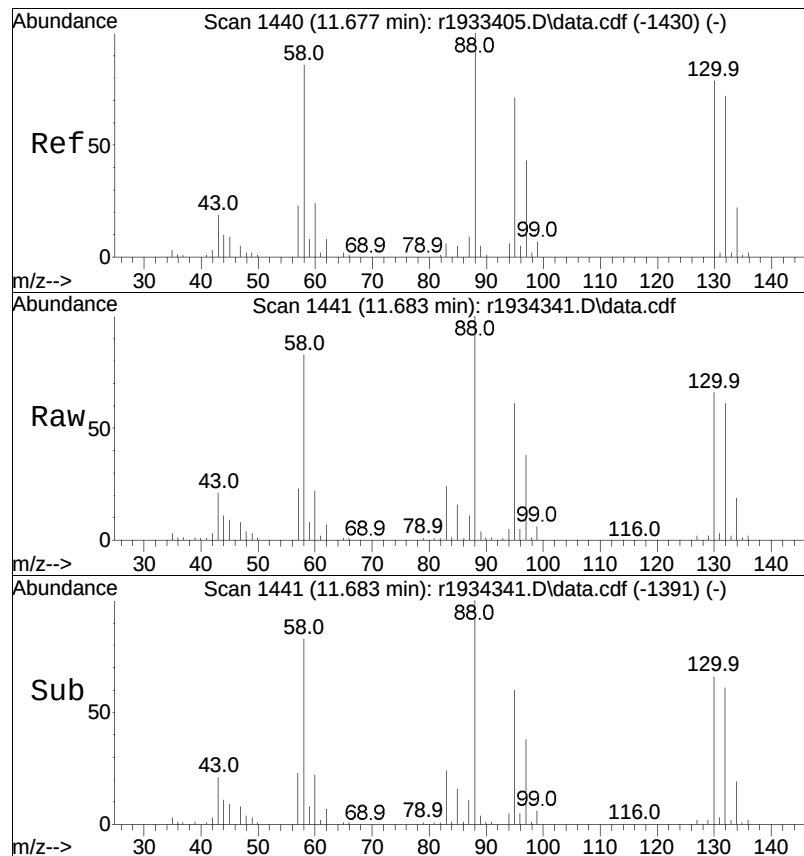




#57
bromodichloromethane
Concen: 11.97 ppbV
RT: 11.650 min Scan# 1436
Delta R.T. 0.007 min
Lab File: r1934341.D
Acq: 7 May 2025 12:06 PM

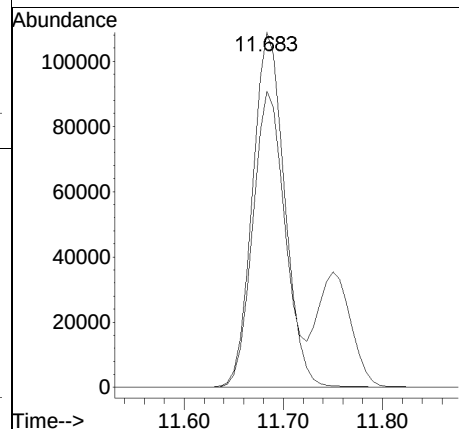
Tgt	Ion	Ratio	Lower	Upper
83	100			
85	64.0	52.1	78.1	
129	10.1	8.3	12.5	

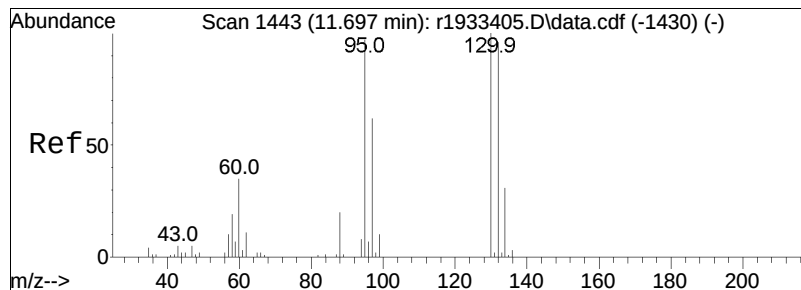




#58
 1,4-dioxane
 Concen: 11.33 ppbV
 RT: 11.683 min Scan# 1441
 Delta R.T. 0.007 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

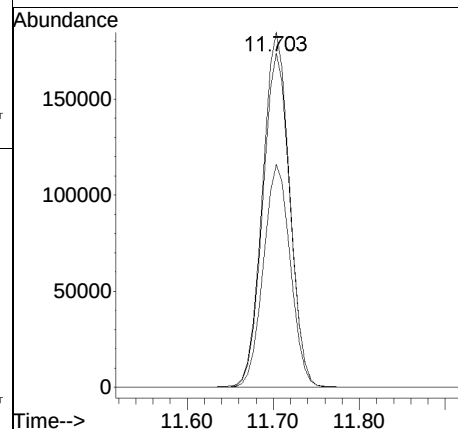
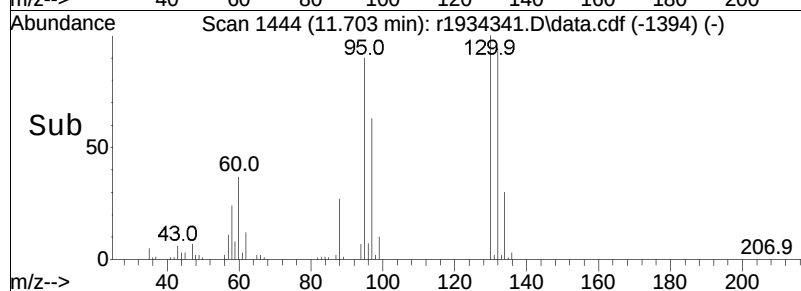
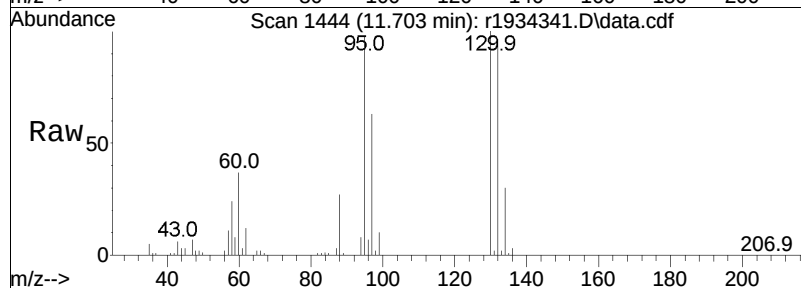
Tgt	Ion	Ratio	Lower	Upper
88	100			
58	83.4	69.1	103.7	

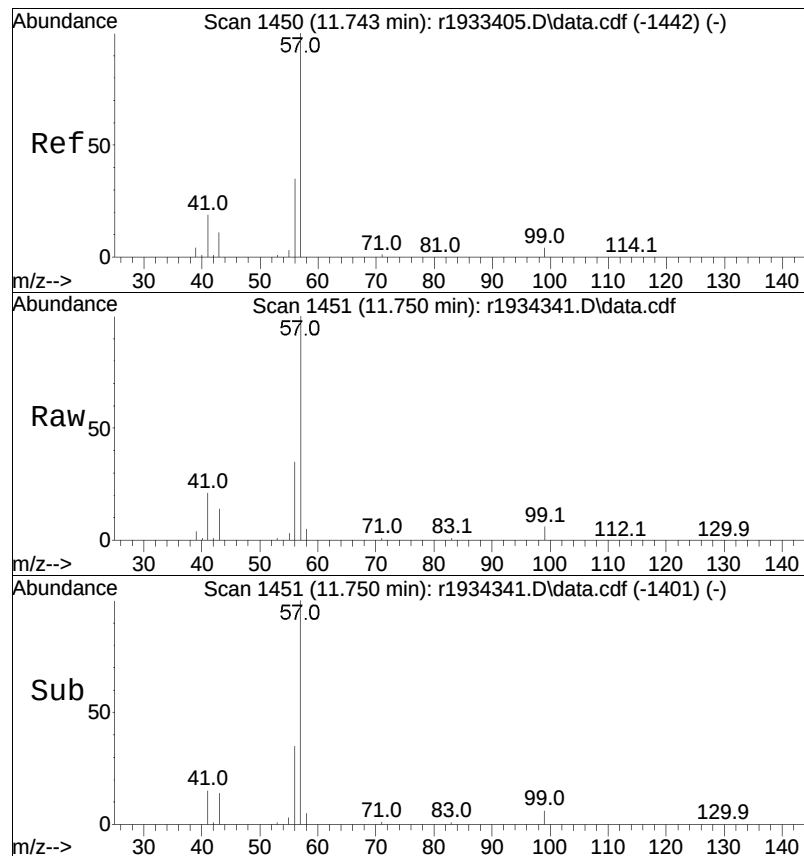




#59
trichloroethene
Concen: 10.45 ppbV
RT: 11.703 min Scan# 1444
Delta R.T. 0.007 min
Lab File: r1934341.D
Acq: 7 May 2025 12:06 PM

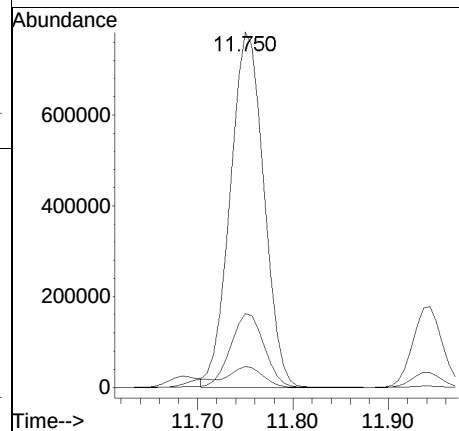
Tgt	Ion	Ratio	Resp	Lower	Upper
130	100		405409		
132	94.1	76.6		114.8	
97	62.7	49.3		73.9	

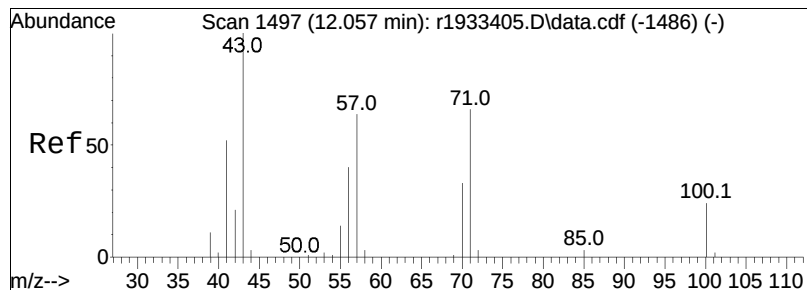




#60
 2,2,4-trimethylpentane
 Concen: 10.86 ppbV
 RT: 11.750 min Scan# 1451
 Delta R.T. 0.007 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

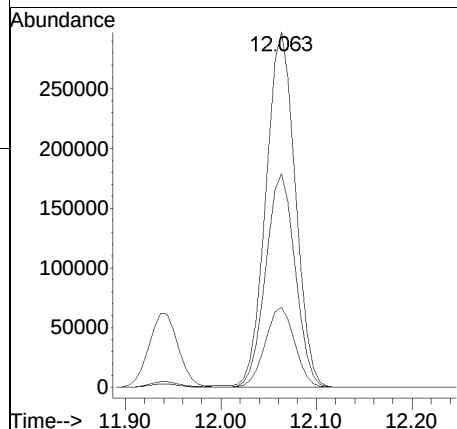
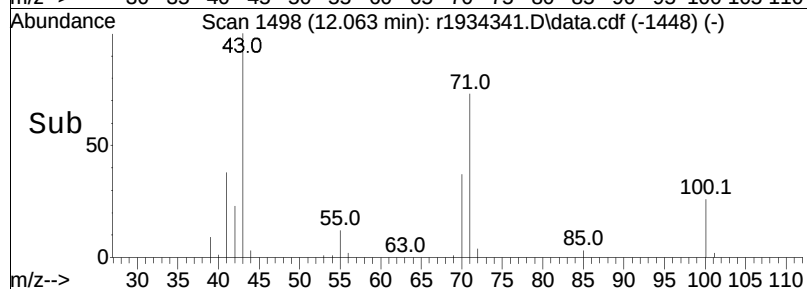
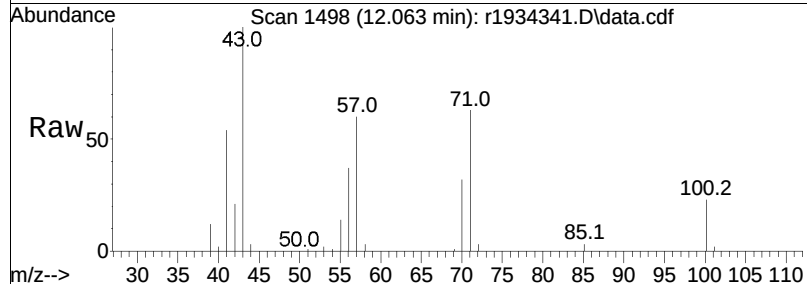
Tgt Ion	Ratio	Lower	Upper
57	100		
99	5.9	4.7	7.1
41	20.8	15.1	22.7

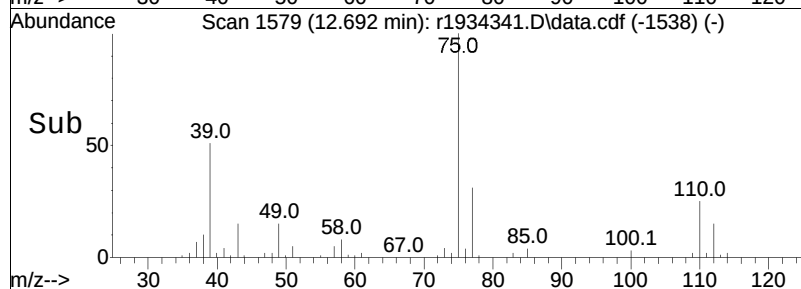
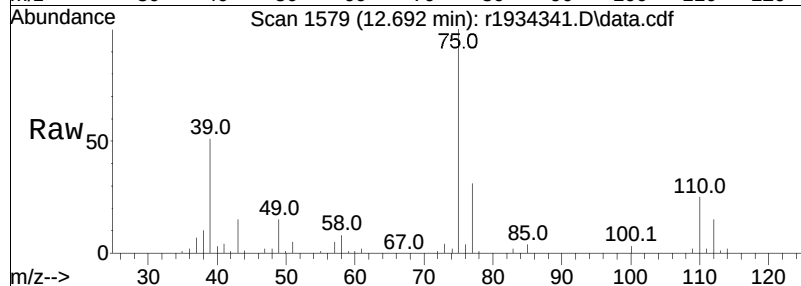
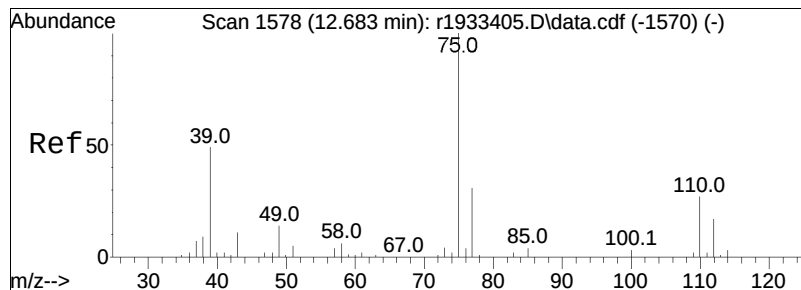




#62
 heptane
 Concen: 11.55 ppbV
 RT: 12.063 min Scan# 1498
 Delta R.T. 0.007 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

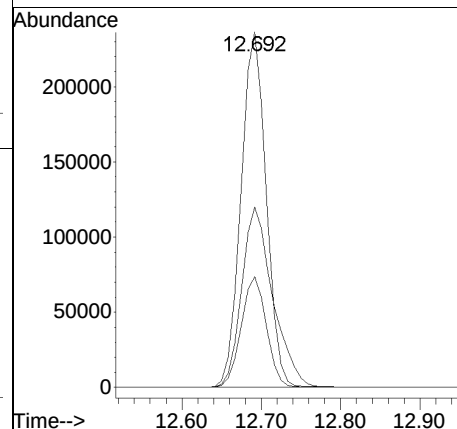
Tgt Ion:	43	57	100	Resp:	640308
Ion Ratio	100	60.1	22.5	Lower	Upper
		51.3	19.3		
		76.9	28.9		

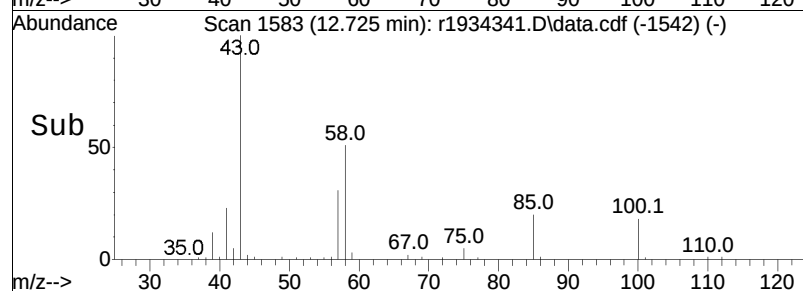
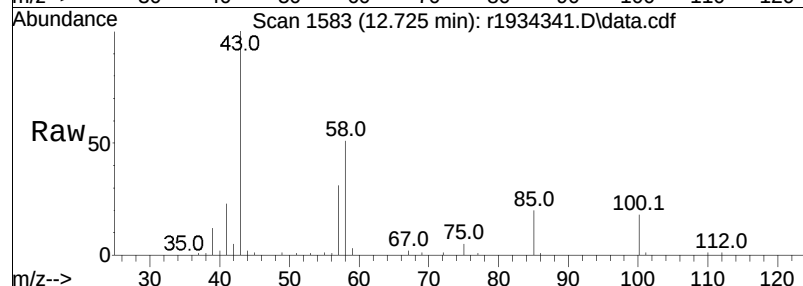
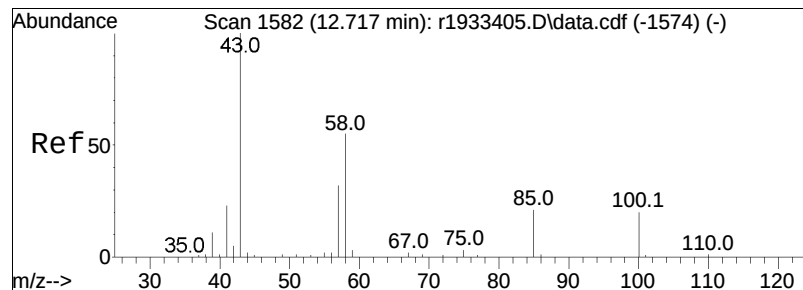




#63
 cis-1,3-dichloropropene
 Concen: 11.94 ppbV
 RT: 12.692 min Scan# 1579
 Delta R.T. 0.008 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

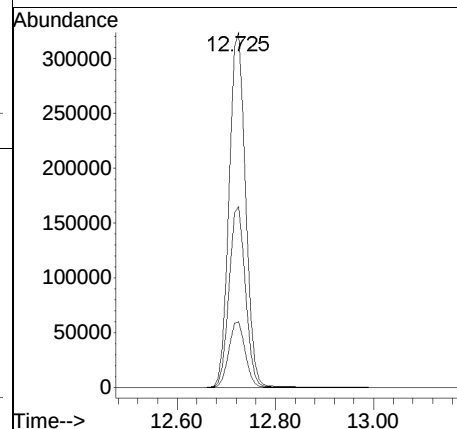
Tgt Ion	Ratio	Lower	Upper
75	100		
39	50.8	39.0	58.4
77	31.2	25.0	37.4

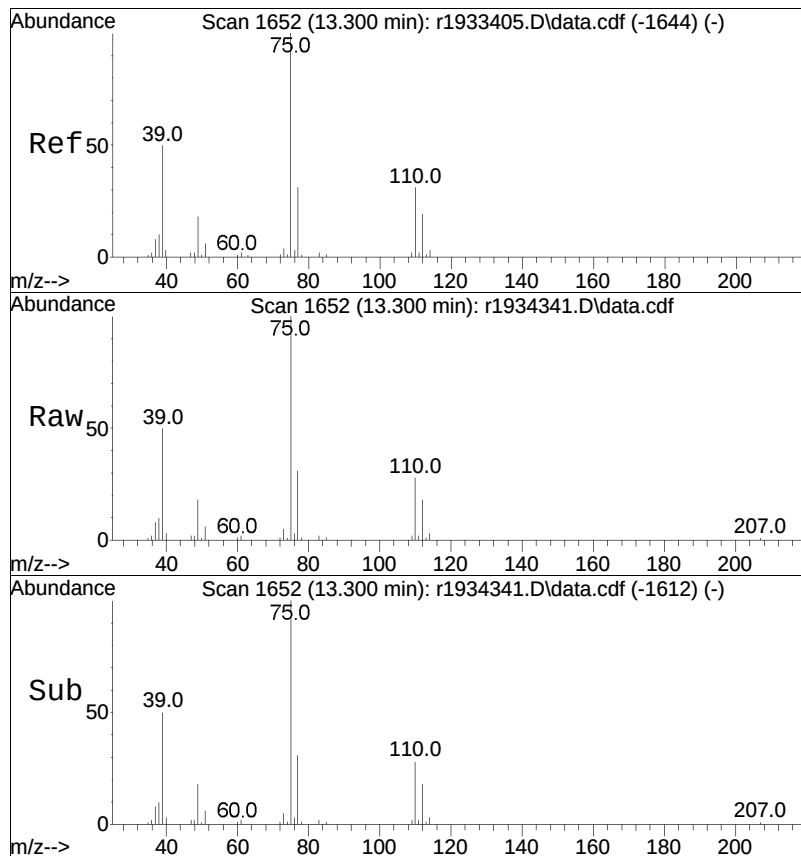




#64
 4-methyl-2-pentanone
 Concen: 11.79 ppbV
 RT: 12.725 min Scan# 1583
 Delta R.T. 0.008 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

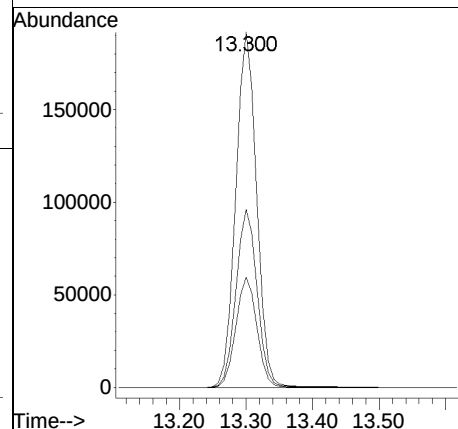
Tgt Ion:	43	Resp:	754558
Ion Ratio	Lower	Upper	
43	100		
58	51.0	44.1	66.1
100	18.4	16.3	24.5

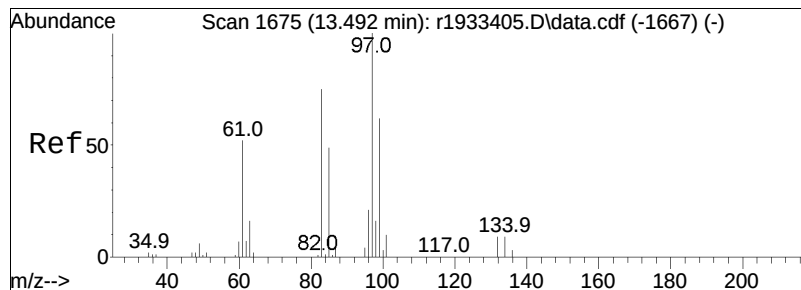




#65
 trans-1,3-dichloropropene
 Concen: 12.94 ppbV
 RT: 13.300 min Scan# 1652
 Delta R.T. 0.000 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

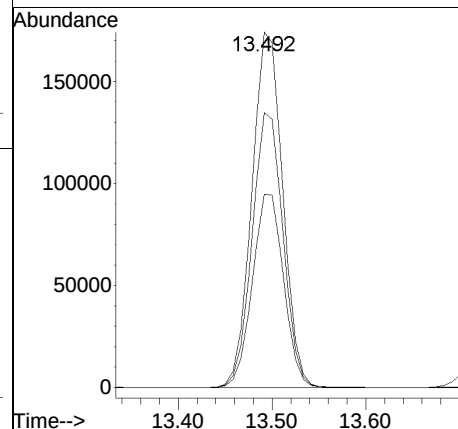
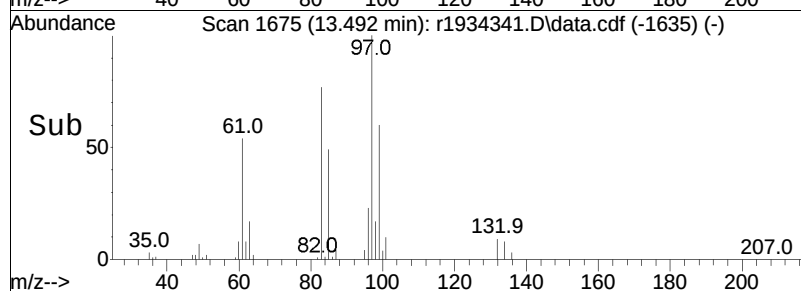
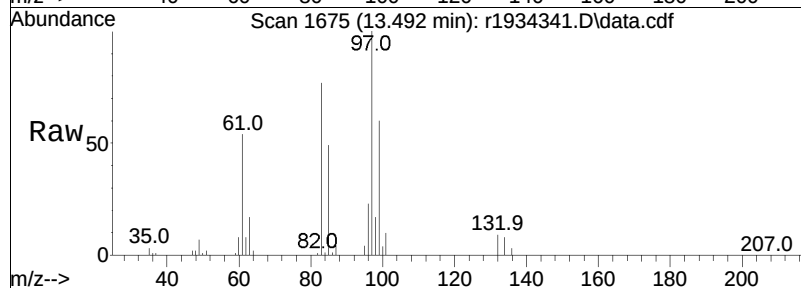
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.7	37.1
39	50.1	39.8	59.8

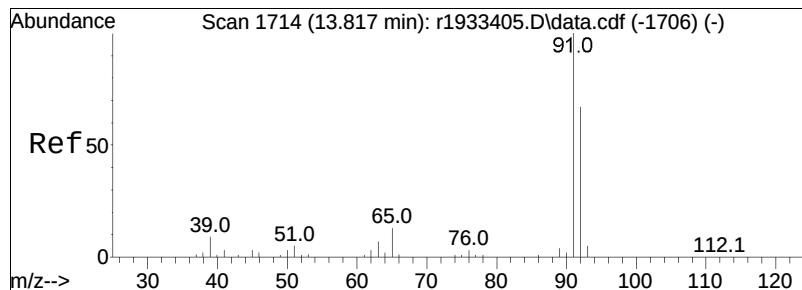




#66
 1,1,2-trichloroethane
 Concen: 10.60 ppbV
 RT: 13.492 min Scan# 1675
 Delta R.T. 0.000 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

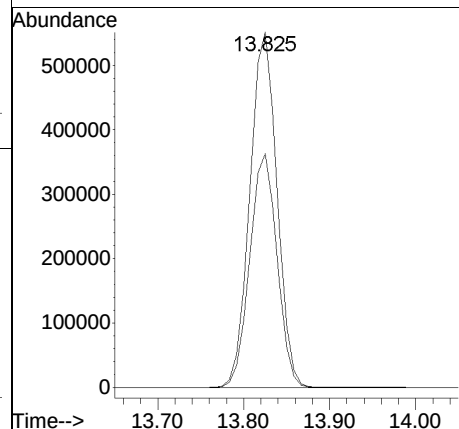
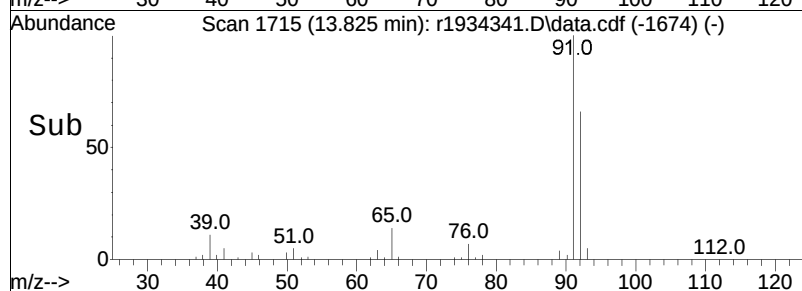
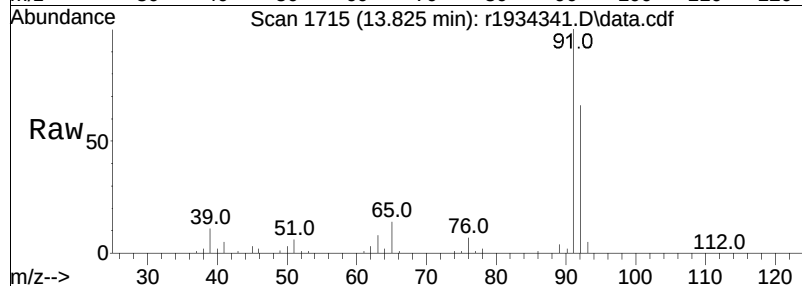
Tgt Ion	Ratio	Lower	Upper
97	100		
83	77.4	60.0	90.0
61	54.4	41.5	62.3

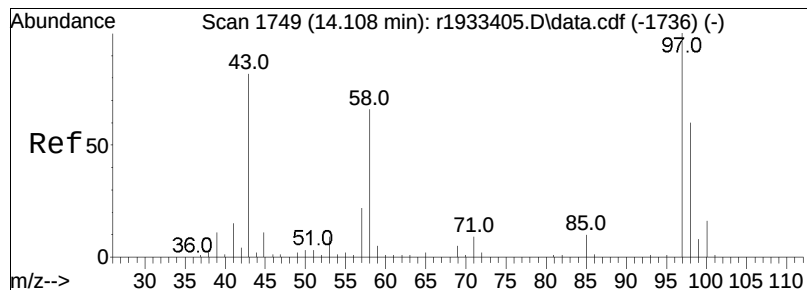




#68
toluene
Concen: 9.42 ppbV
RT: 13.825 min Scan# 1715
Delta R.T. 0.008 min
Lab File: r1934341.D
Acq: 7 May 2025 12:06 PM

Tgt Ion: 91 Resp: 1207741
Ion Ratio Lower Upper
91 100
92 65.8 53.5 80.3





#72

2-hexanone

Concen: 10.02 ppbV

RT: 14.117 min Scan# 1750

Delta R.T. 0.008 min

Lab File: r1934341.D

Acq: 7 May 2025 12:06 PM

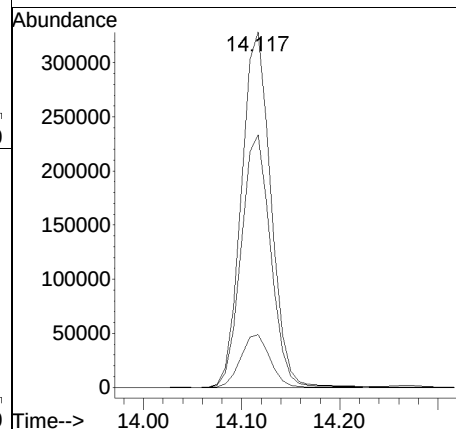
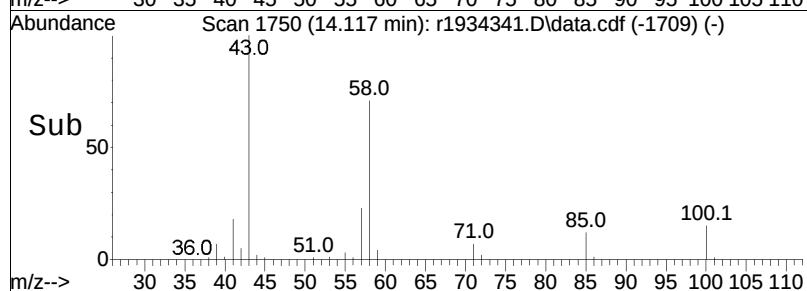
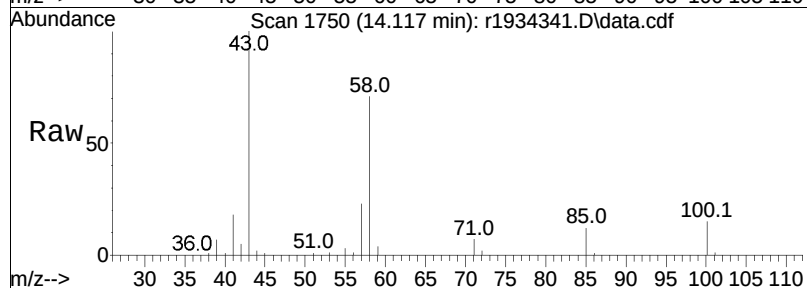
Tgt Ion: 43 Resp: 685073

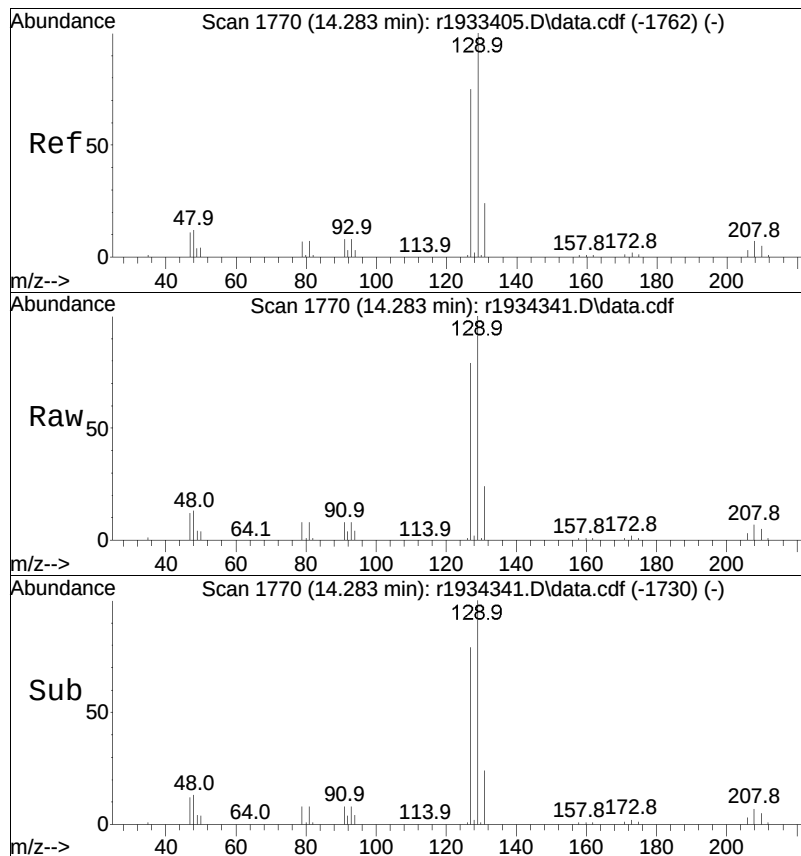
Ion Ratio Lower Upper

43 100

58 71.1 65.2 97.8

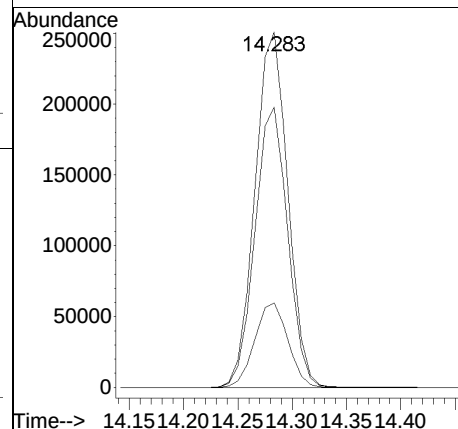
100 14.9 15.7 23.5#

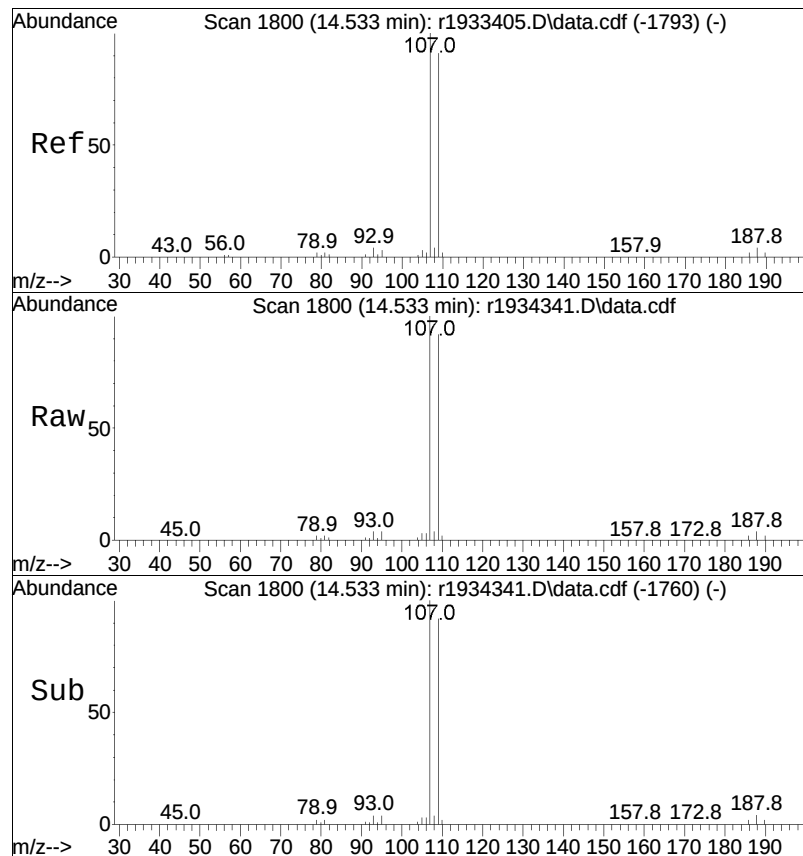




#74
 dibromochloromethane
 Concen: 9.98 ppbV
 RT: 14.283 min Scan# 1770
 Delta R.T. 0.000 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

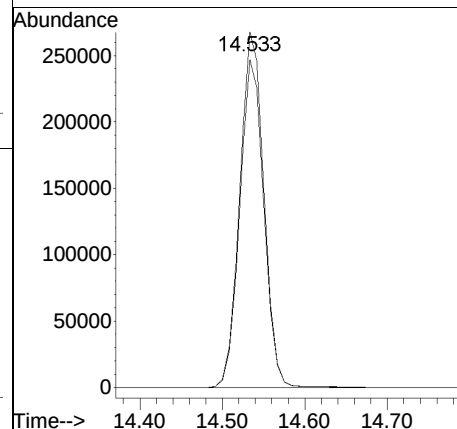
Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	60.2	90.2
131	23.8	19.0	28.4

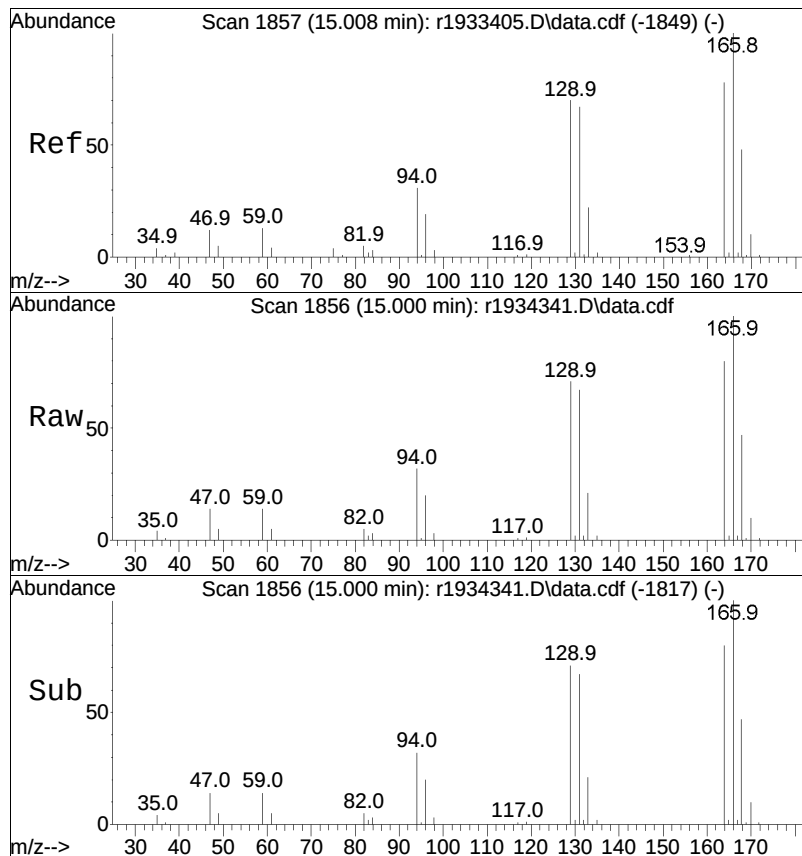




#75
 1,2-dibromoethane
 Concen: 9.49 ppbV
 RT: 14.533 min Scan# 1800
 Delta R.T. 0.000 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

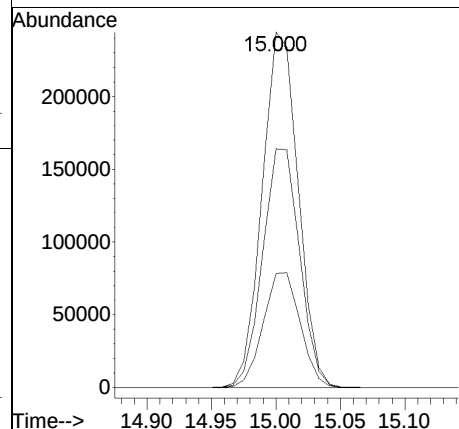
Tgt	Ion	Ratio	Lower	Upper
107	100			
109	92.2	73.1	109.7	

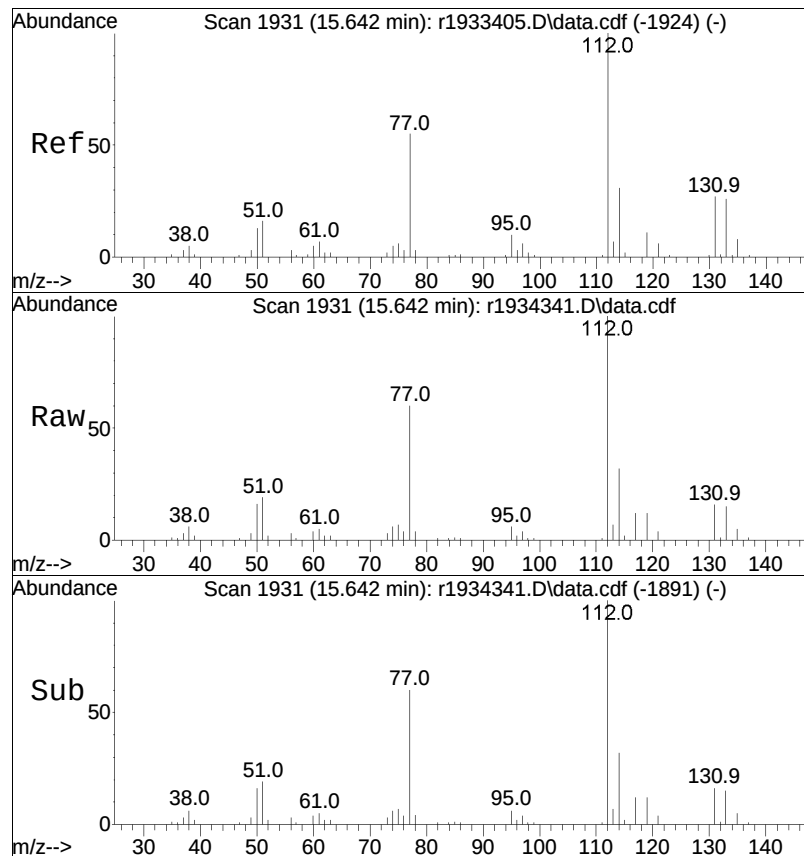




#78
 tetrachloroethene
 Concen: 8.64 ppbV
 RT: 15.000 min Scan# 1856
 Delta R.T. -0.008 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

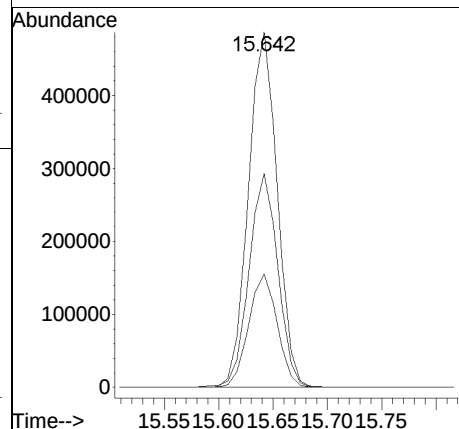
Tgt	Ion:166	Resp:	475507
Ion	Ratio	Lower	Upper
166	100		
131	67.2	53.6	80.4
94	32.0	24.4	36.6

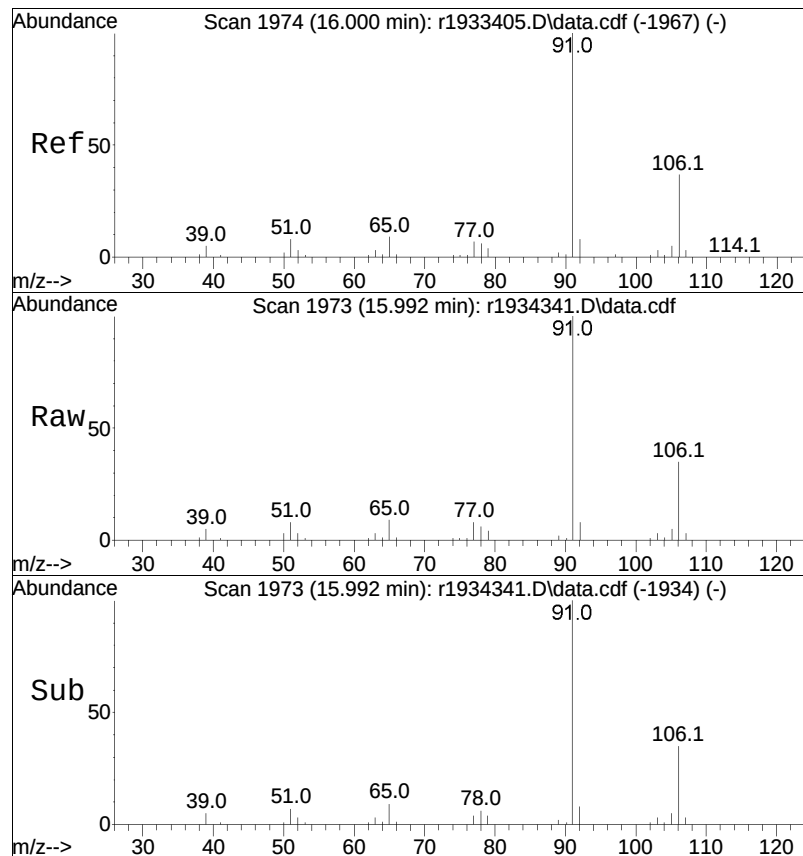




#80
chlorobenzene
Concen: 9.32 ppbV
RT: 15.642 min Scan# 1931
Delta R.T. 0.000 min
Lab File: r1934341.D
Acq: 7 May 2025 12:06 PM

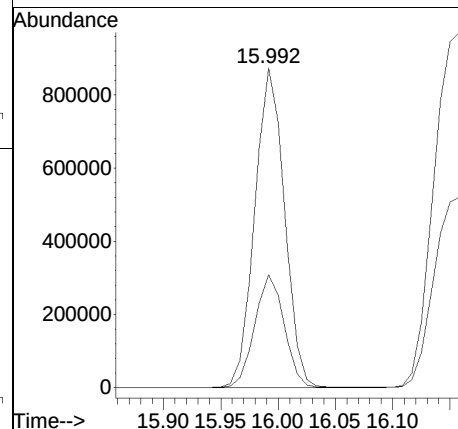
Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	24.9	37.3
77	60.2	44.1	66.1

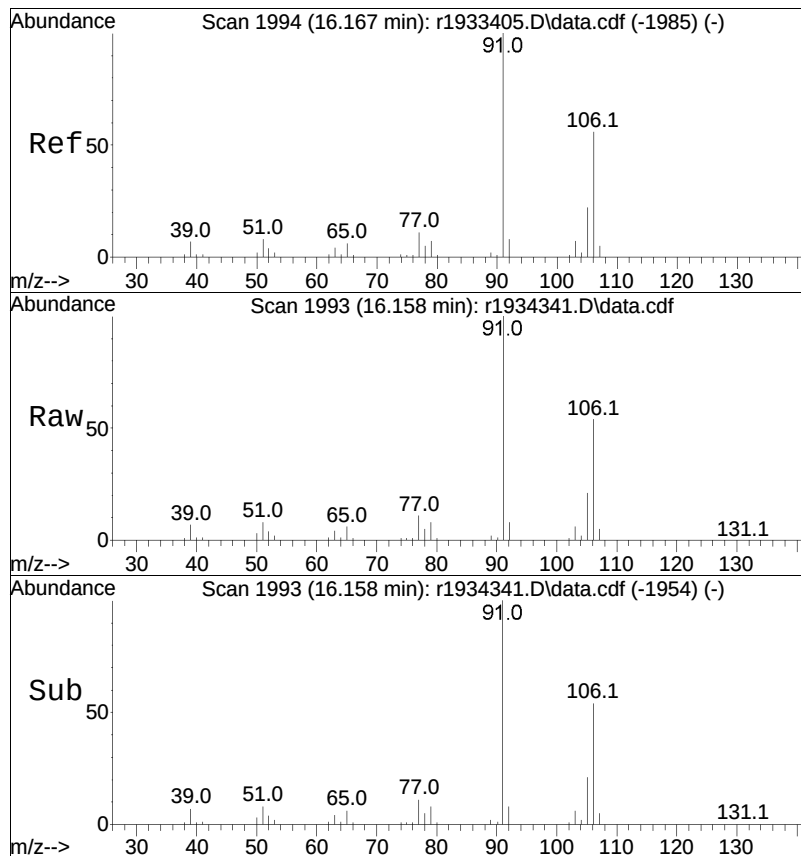




#81
ethylbenzene
Concen: 9.65 ppbV
RT: 15.992 min Scan# 1973
Delta R.T. -0.008 min
Lab File: r1934341.D
Acq: 7 May 2025 12:06 PM

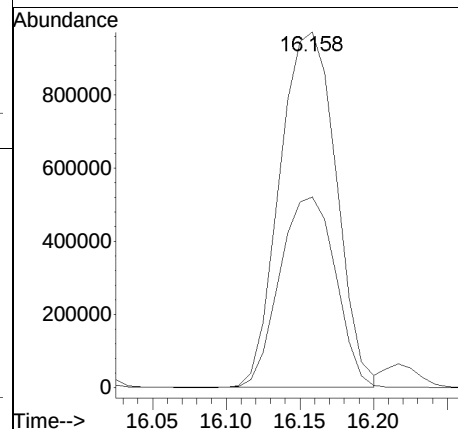
Tgt Ion	Ratio	Lower	Upper
91	100		
106	35.2	29.3	43.9

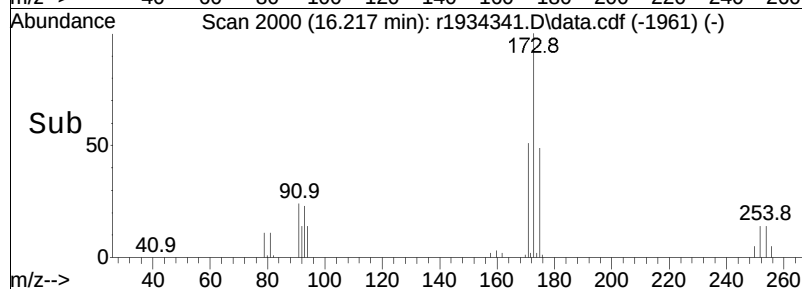
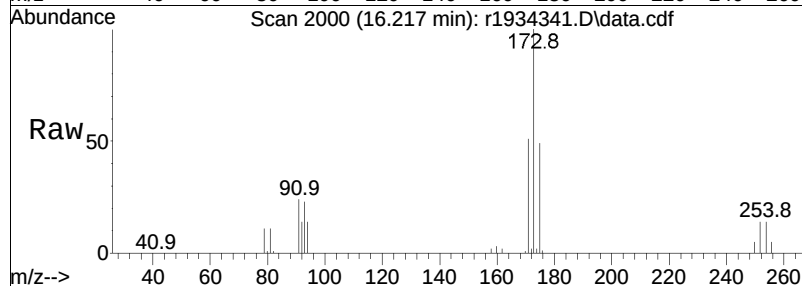
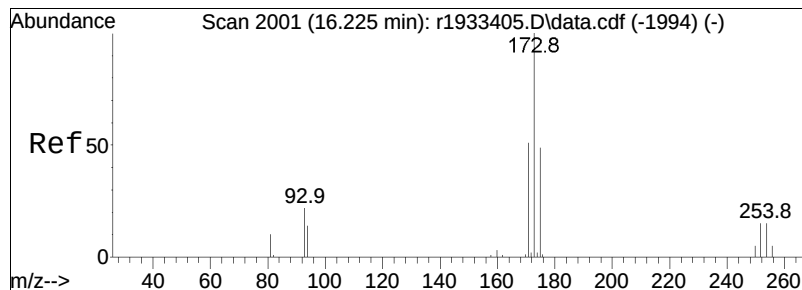




#83
 m+p-xylene
 Concen: 19.90 ppbV
 RT: 16.158 min Scan# 1993
 Delta R.T. -0.008 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

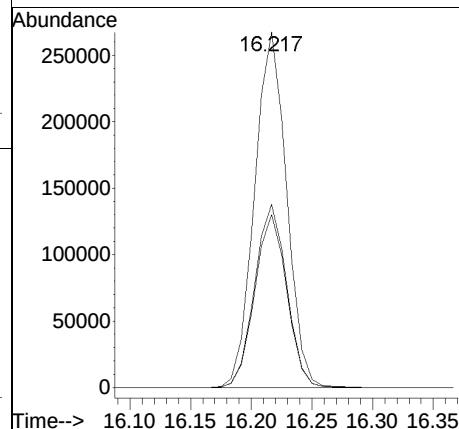
Tgt Ion: 91 Resp: 2585678
 Ion Ratio Lower Upper
 91 100
 106 53.6 44.6 67.0

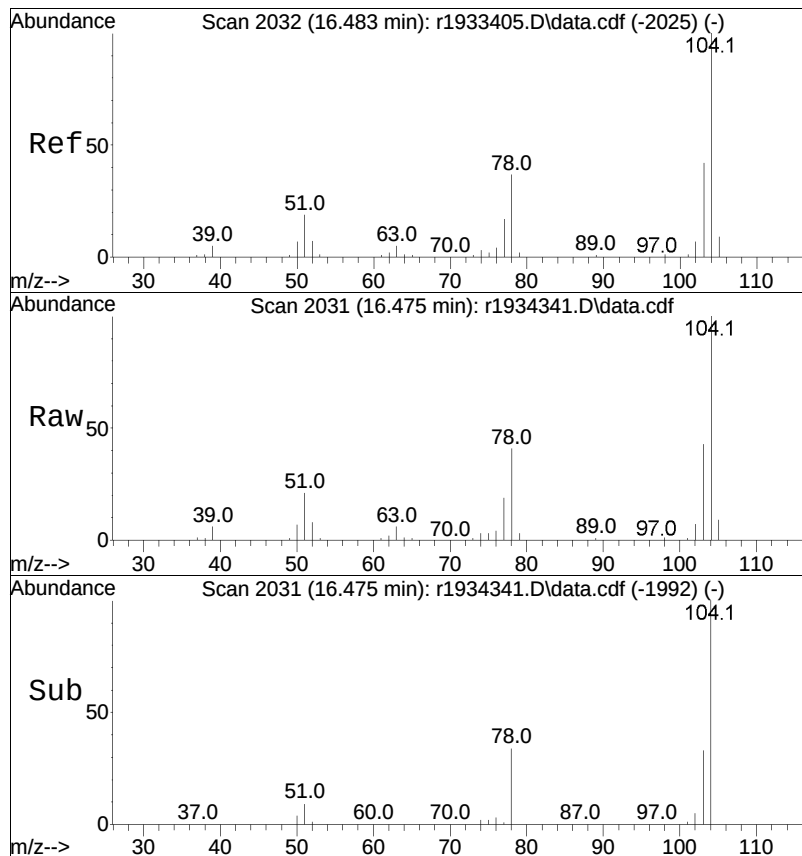




#84
bromoform
Concen: 10.29 ppbV
RT: 16.217 min Scan# 2000
Delta R.T. -0.008 min
Lab File: r1934341.D
Acq: 7 May 2025 12:06 PM

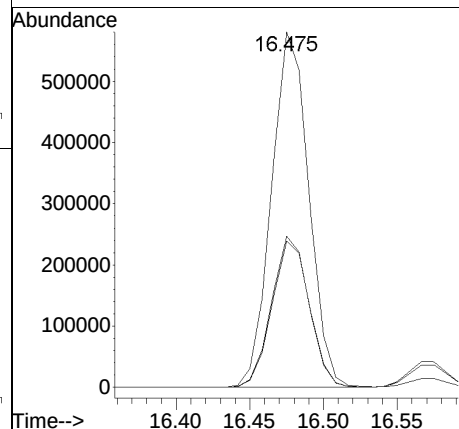
Tgt Ion	Ratio	Resp	Lower	Upper
173	100	490178		
175	48.7		38.9	58.3
171	51.5		40.9	61.3

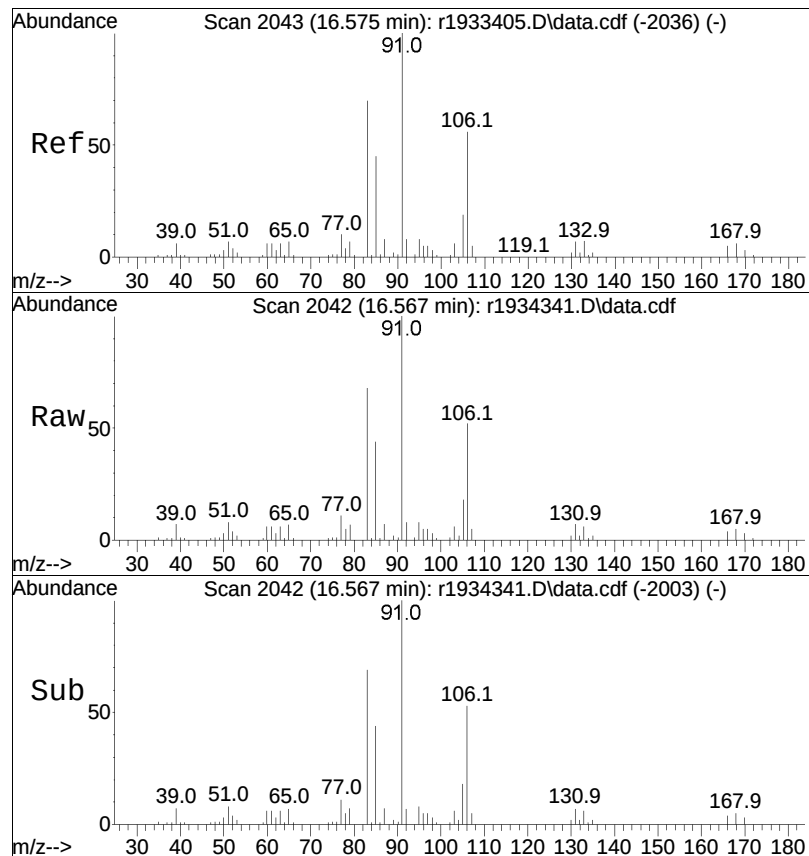




#85
styrene
Concen: 9.46 ppbV
RT: 16.475 min Scan# 2031
Delta R.T. -0.008 min
Lab File: r1934341.D
Acq: 7 May 2025 12:06 PM

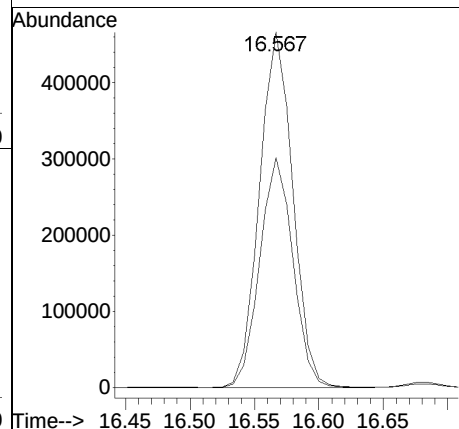
Tgt	Ion	Ratio	Lower	Upper
104	104	100		
103	42.5		33.8	50.6
78	41.2		29.9	44.9

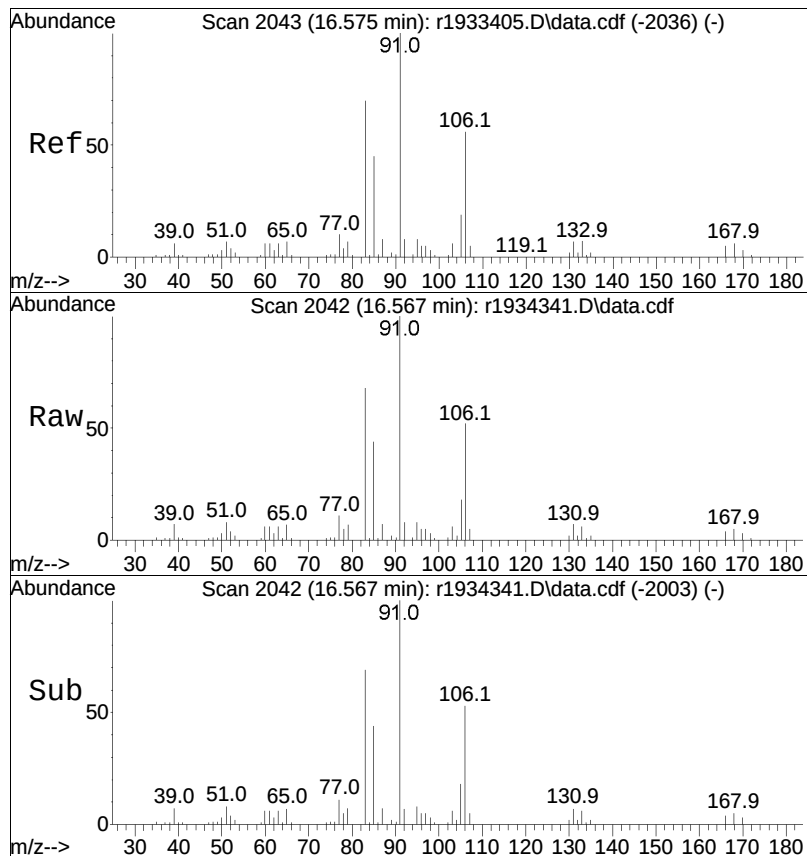




#86
 1,1,2,2-tetrachloroethane
 Concen: 9.91 ppbV
 RT: 16.567 min Scan# 2042
 Delta R.T. -0.008 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

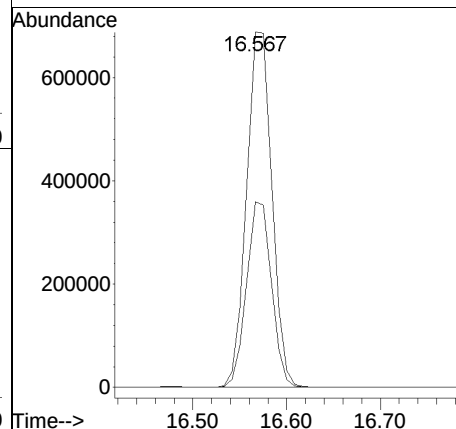
Tgt	Ion	Resp	838089
83	100	Lower	Upper
85	64.7	51.6	77.4

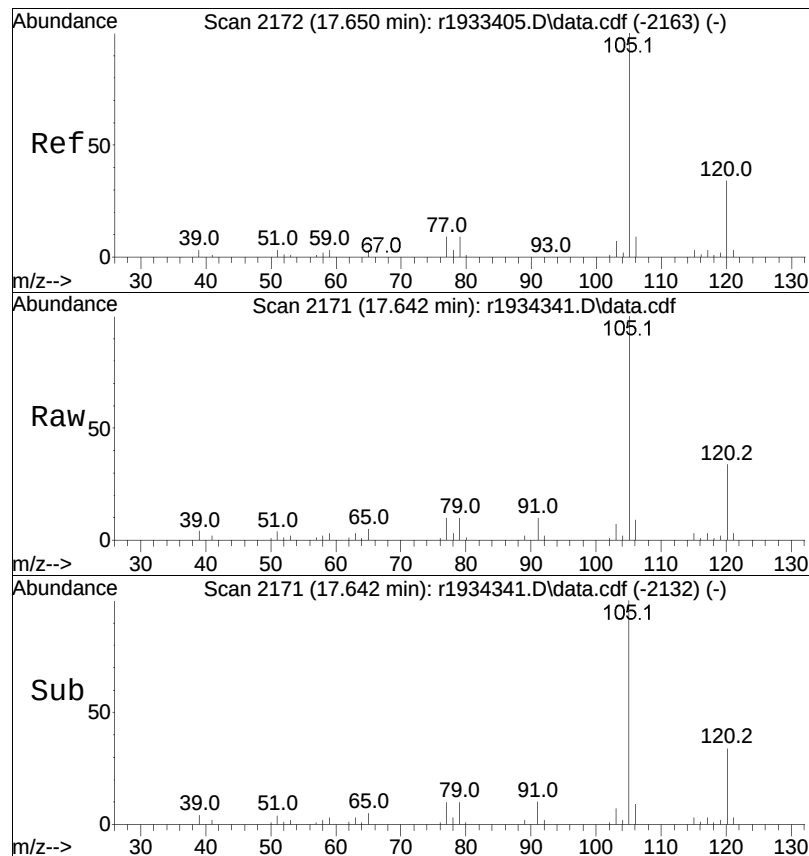




#87
 o-xylene
 Concen: 10.23 ppbV
 RT: 16.567 min Scan# 2042
 Delta R.T. -0.008 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

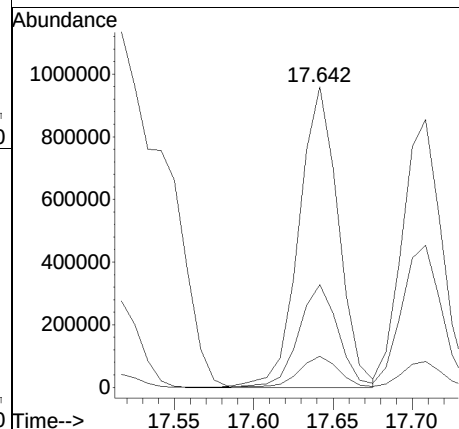
Tgt Ion: 91 Resp: 1297071
 Ion Ratio Lower Upper
 91 100
 106 52.2 44.5 66.7

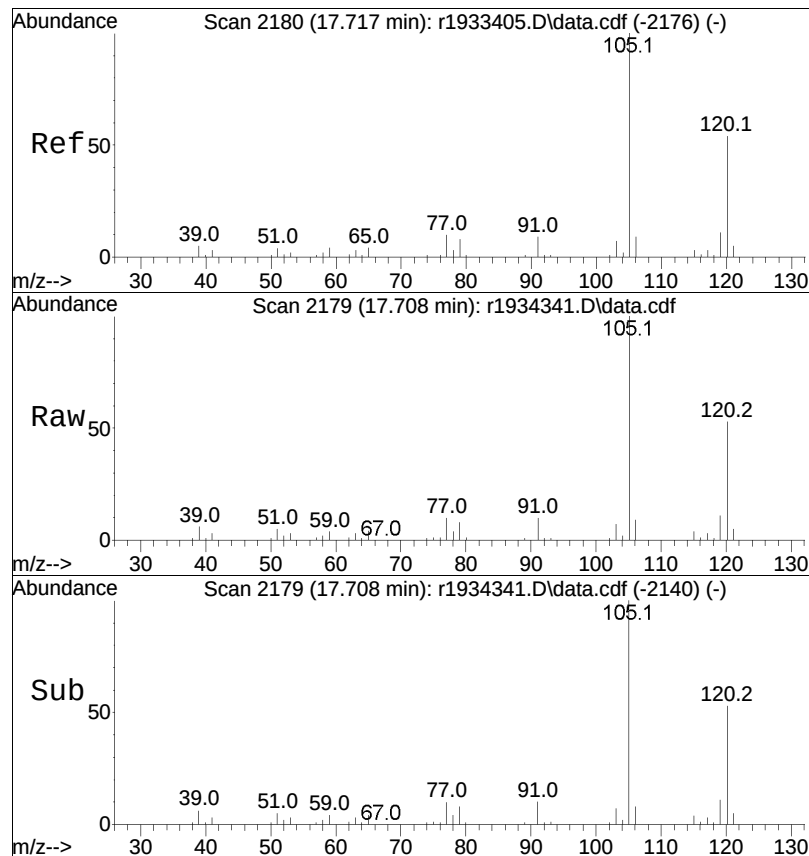




#96
 4-ethyl toluene
 Concen: 9.89 ppbV
 RT: 17.642 min Scan# 2171
 Delta R.T. -0.008 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

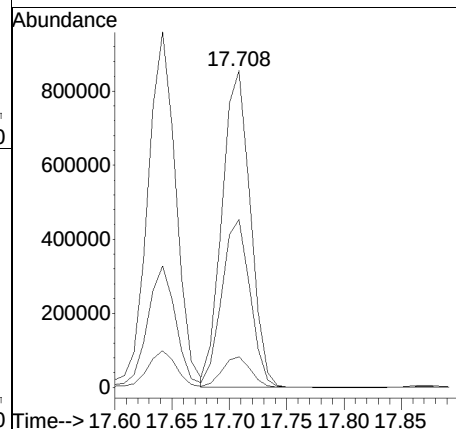
Tgt Ion	Ratio	Lower	Upper
105	100		
120	34.2	27.0	40.6
91	10.4	7.8	11.8

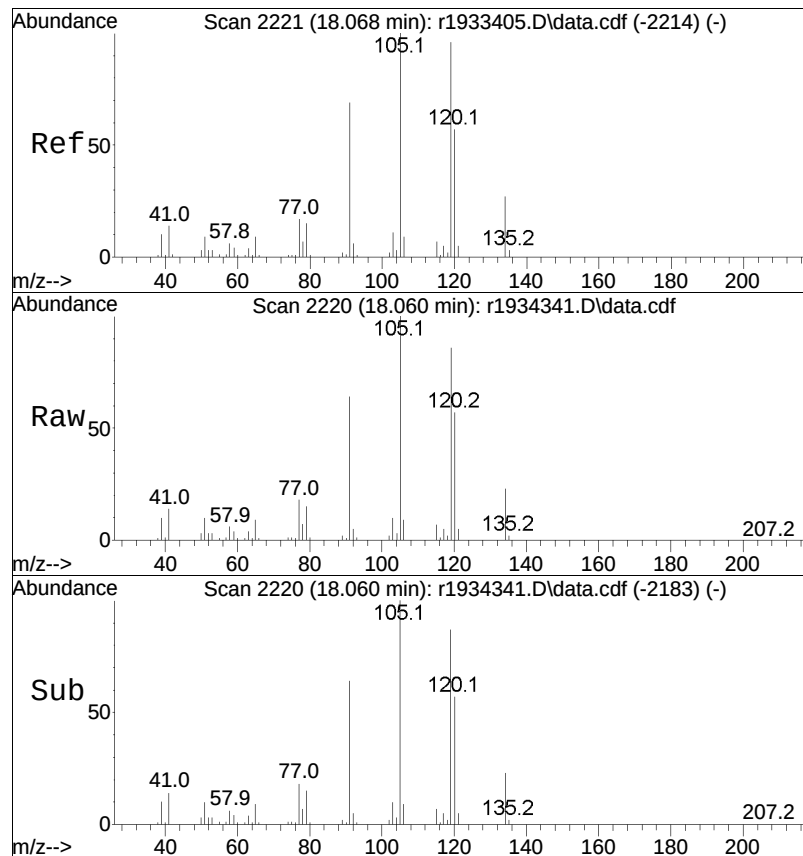




#97
 1,3,5-trimethylbenzene
 Concen: 10.10 ppbV
 RT: 17.708 min Scan# 2179
 Delta R.T. -0.008 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

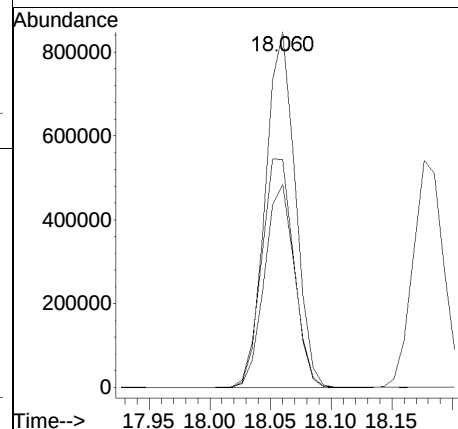
Tgt Ion	Ratio	Lower	Upper
105	100		
120	53.0	42.5	63.7
91	9.7	7.4	11.2

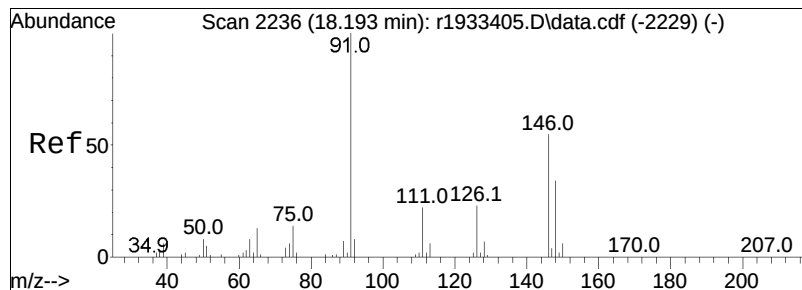




#99
 1,2,4-trimethylbenzene
 Concen: 9.87 ppbV
 RT: 18.060 min Scan# 2220
 Delta R.T. -0.008 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

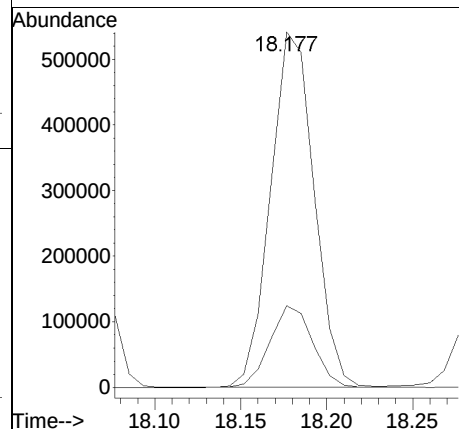
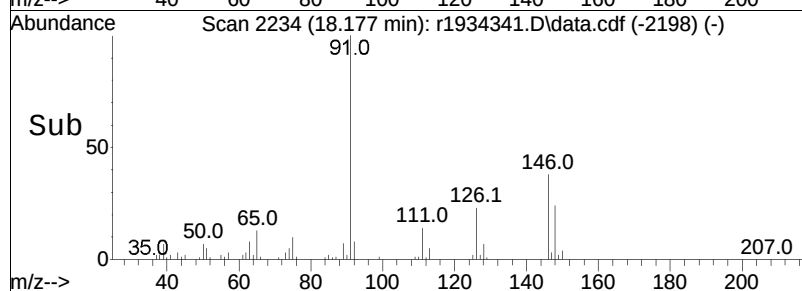
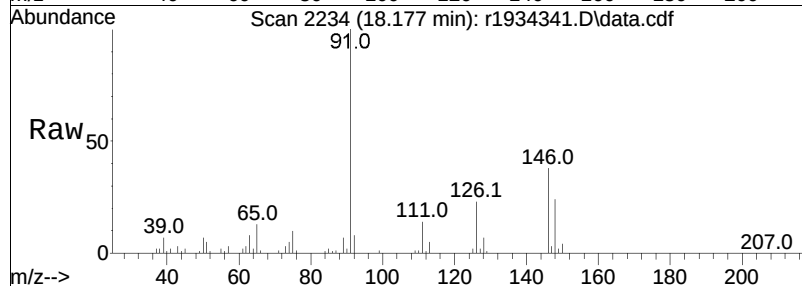
Tgt Ion	Ratio	Lower	Upper
105	100		
120	57.1	45.8	68.6
91	64.1	55.0	82.6

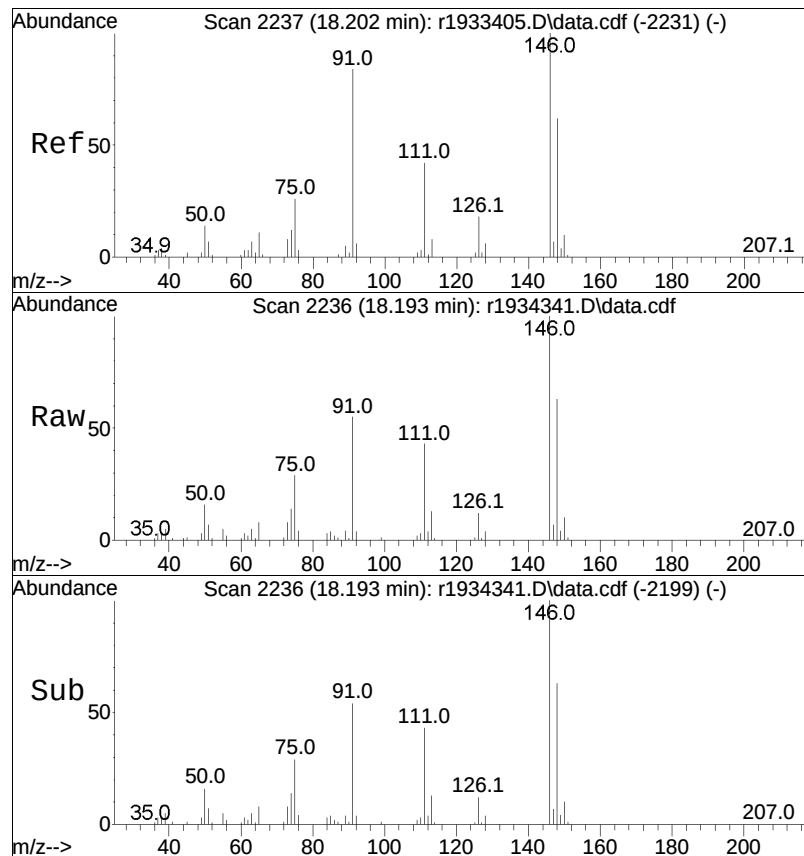




#101
Benzyl Chloride
Concen: 9.73 ppbV
RT: 18.177 min Scan# 2234
Delta R.T. -0.017 min
Lab File: r1934341.D
Acq: 7 May 2025 12:06 PM

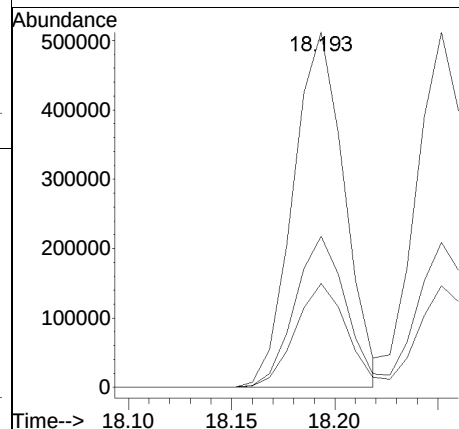
Tgt Ion:	91	Resp:	953724
Ion Ratio	100	Lower	Upper
126	23.0	18.2	27.2

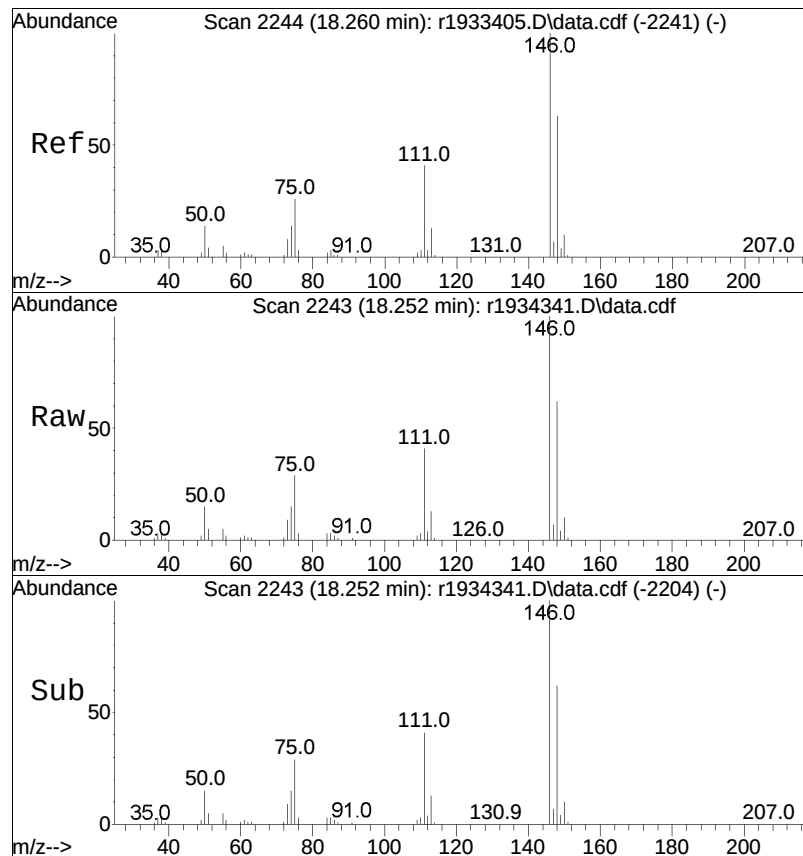




#102
 1,3-dichlorobenzene
 Concen: 9.92 ppbV
 RT: 18.193 min Scan# 2236
 Delta R.T. -0.008 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

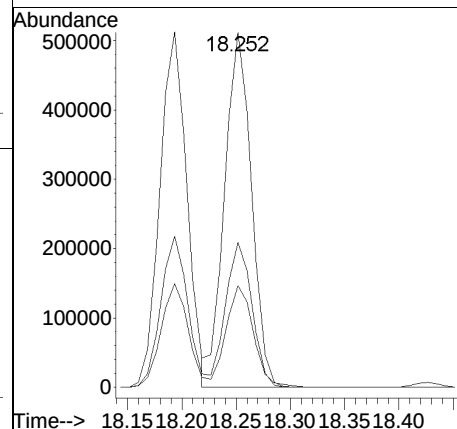
Tgt Ion	Ratio	Resp	Lower	Upper
146	100	883716		
111	42.6		33.7	50.5
75	29.2		21.0	31.4

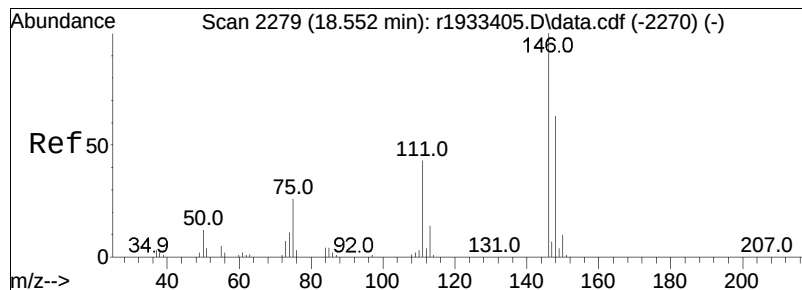




#103
 1,4-dichlorobenzene
 Concen: 10.03 ppbV
 RT: 18.252 min Scan# 2243
 Delta R.T. -0.008 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

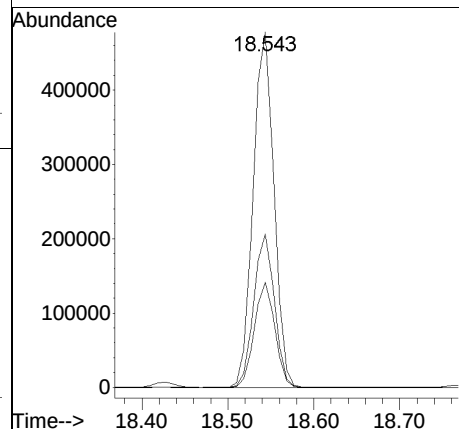
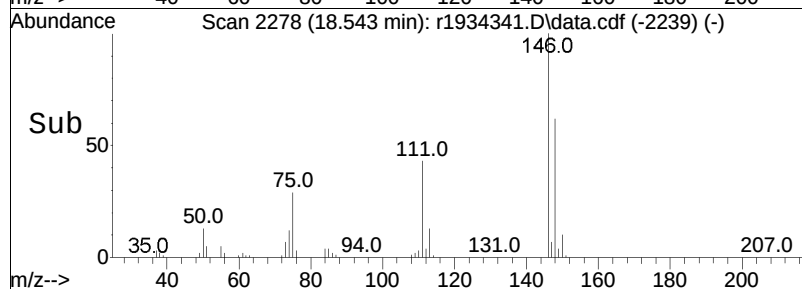
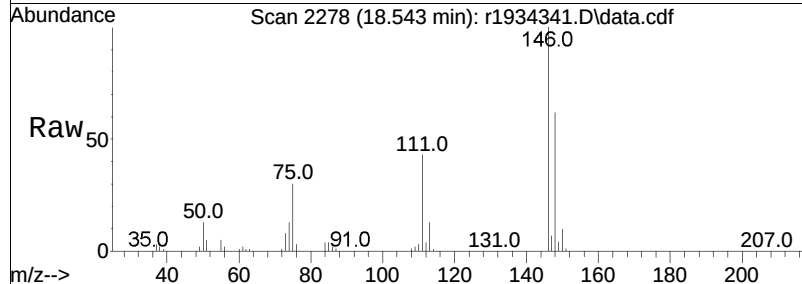
Tgt Ion:	146	Resp:	878520
Ion Ratio	Lower	Upper	
146	100		
111	40.8	32.6	48.8
75	28.7	21.0	31.4

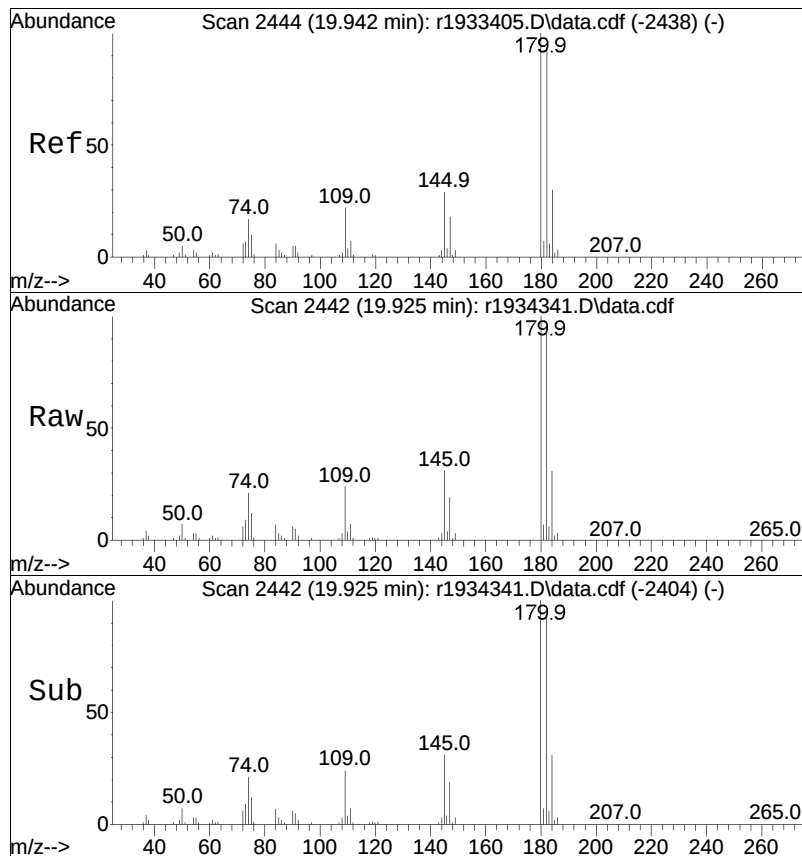




#107
 1,2-dichlorobenzene
 Concen: 9.59 ppbV
 RT: 18.543 min Scan# 2278
 Delta R.T. -0.008 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

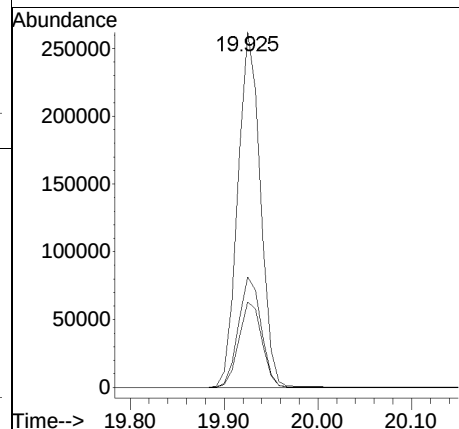
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	34.4	51.6
75	29.6	21.2	31.8

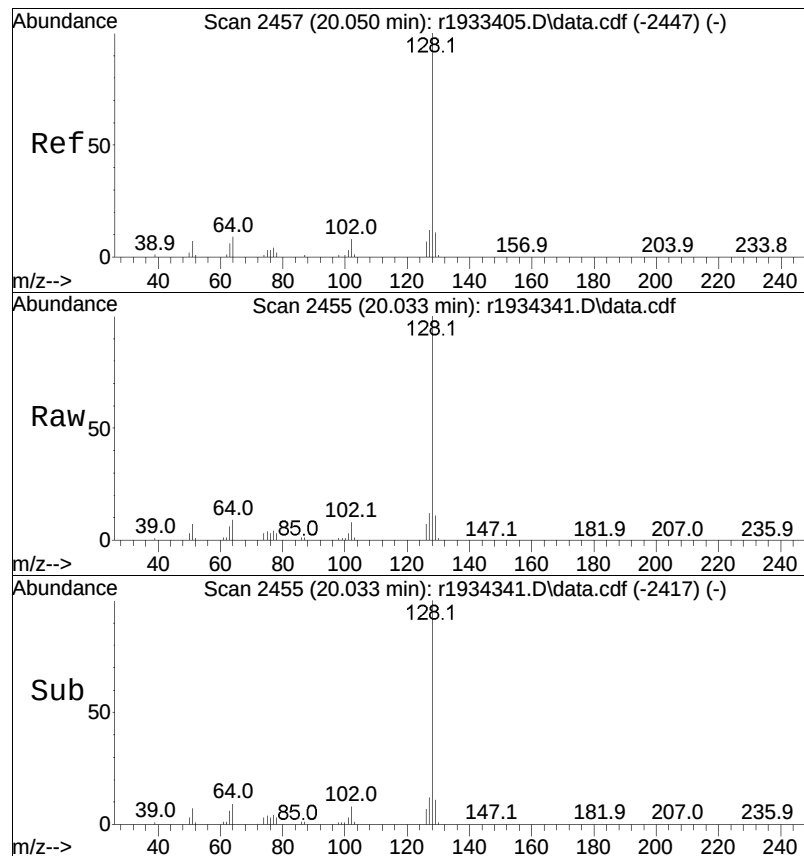




#115
 1,2,4-trichlorobenzene
 Concen: 8.46 ppbV
 RT: 19.925 min Scan# 2442
 Delta R.T. -0.017 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

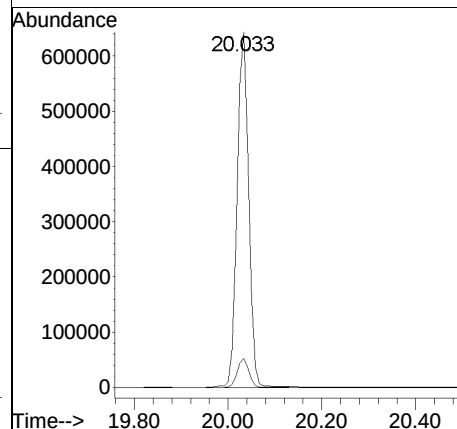
Tgt Ion	Ratio	Lower	Upper
180	100		
145	31.1	23.4	35.2
109	24.0	17.6	26.4

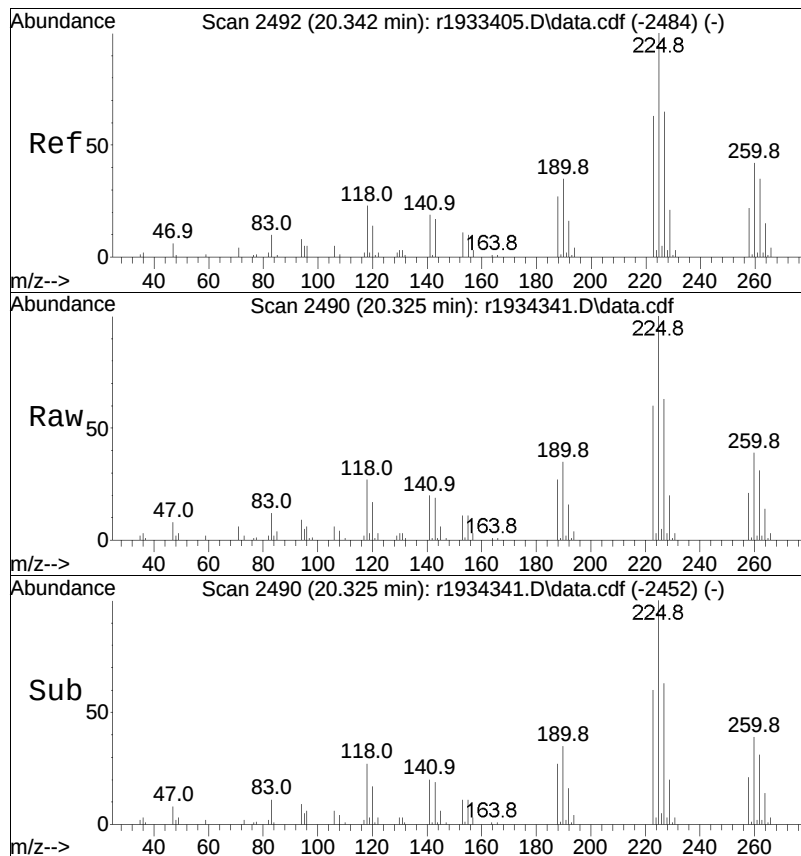




#116
 naphthalene
 Concen: 7.79 ppbV
 RT: 20.033 min Scan# 2455
 Delta R.T. -0.017 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

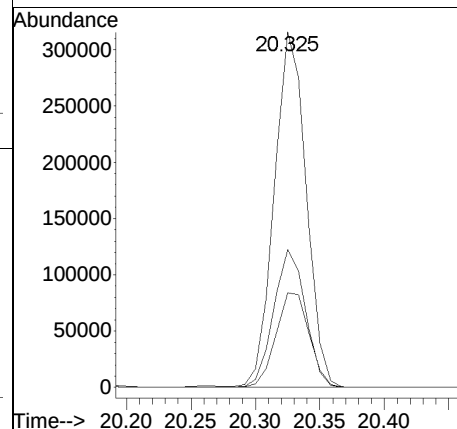
Tgt Ion:	128	Resp:	1107591
Ion Ratio	Lower	Upper	
128	100		
102	8.2	6.2	9.2





#119
 hexachlorobutadiene
 Concen: 9.38 ppbV
 RT: 20.325 min Scan# 2490
 Delta R.T. -0.017 min
 Lab File: r1934341.D
 Acq: 7 May 2025 12:06 PM

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	543605		
260	38.8		33.8	50.8
118	26.6		18.6	27.8



Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934356.D
 Acq On : 8 May 2025 12:15 AM
 Operator : AIRLAB19:TPH
 Sample : WG2063684-5,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:15:31 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

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

Internal Standards						
1) bromochloromethane	8.792	49	341746	10.000	ppbV	0.02
Standard Area = 339843			Recovery = 100.56%			
43) 1,4-difluorobenzene	10.930	114	972143	10.000	ppbV	0.01
Standard Area = 931395			Recovery = 104.37%			
67) chlorobenzene-D5	15.600	54	149997	10.000	ppbV	0.00
Standard Area = 169143			Recovery = 88.68%			

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	4.094	85	21390	0.471	ppbV	99
6) chloromethane	4.226	50	3988	0.231	ppbV #	42
7) Freon-114	4.334		0	N.D.		
9) vinyl chloride	0.000		0	N.D.		
10) 1,3-butadiene	4.568	54	1887	0.097	ppbV	99
13) bromomethane	0.000		0	N.D.		
14) chloroethane	4.988		0	N.D.		
15) ethanol	5.114	31	385386	18.862	ppbV	93
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.557	43	1787711M6	49.763	ppbV	
21) trichlorofluoromethane	5.743	101	50371	1.151	ppbV	99
22) isopropyl alcohol	5.820	45	519762	12.531	ppbV	99
26) 1,1-dichloroethene	0.000		0	N.D.		
27) tertiary butyl alcohol	6.434	59	27882	0.430	ppbV #	88
28) methylene chloride	6.518	49	2058	0.075	ppbV	98
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	6.800	76	18048	0.242	ppbV #	79
31) Freon 113	6.794	101	3394	0.068	ppbV	97
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	0.000		0	N.D.	d	
36) 2-butanone	8.133	43	62989	1.097	ppbV	99
37) cis-1,2-dichloroethene	0.000		0	N.D.		
38) Ethyl Acetate	8.875	61	1622	0.138	ppbV #	1
39) chloroform	8.933	83	10061	0.224	ppbV	99
40) Tetrahydrofuran	9.367	42	22432	0.688	ppbV #	70
42) 1,2-dichloroethane	0.000		0	N.D.		
44) hexane	8.858	57	92374	1.558	ppbV #	20
48) 1,1,1-trichloroethane	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\
 Data File : r1934356.D
 Acq On : 8 May 2025 12:15 AM
 Operator : AIRLAB19:TPH
 Sample : WG2063684-5,3,250,250
 Misc : WG2063684,ICAL22124
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 08 06:15:31 2025
 Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sun Mar 30 07:46:23 2025
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab19\2025\05\0507T\r1934340.D
 Sub List : T015-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) benzene	10.517	78	78218	0.916	ppbV	98
52) carbon tetrachloride	10.683	117	3284	0.102	ppbV	97
53) cyclohexane	10.823	56	8967	0.157	ppbV #	87
56) 1,2-dichloropropane	0.000		0	N.D.		
57) bromodichloromethane	0.000		0	N.D.	d	
58) 1,4-dioxane	11.703	88	4536	0.219	ppbV	89
59) trichloroethene	11.703	130	1756	0.047	ppbV	89
60) 2,2,4-trimethylpentane	11.750	57	25760	0.153	ppbV #	84
62) heptane	12.063	43	28386	0.535	ppbV	94
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.733	43	16238	0.265	ppbV	89
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	13.375		0	N.D.		
68) toluene	13.825	91	442122	4.155	ppbV	100
72) 2-hexanone	14.117	43	16420M4	0.289	ppbV	
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.000	166	21348	0.467	ppbV	98
80) chlorobenzene	0.000		0	N.D.	d	
81) ethylbenzene	15.992	91	442935	3.276	ppbV	99
83) m+p-xylene	16.150	91	1577491	14.621	ppbV	99
84) bromoform	0.000		0	N.D.		
85) styrene	16.475	104	8108	0.090	ppbV	96
86) 1,1,2,2-tetrachloroethane	16.558		0	N.D.		
87) o-xylene	16.575	91	534963	5.081	ppbV	95
96) 4-ethyl toluene	17.642	105	34810M6	0.250	ppbV	
97) 1,3,5-trimethylbenzene	17.708	105	41125	0.341	ppbV	99
99) 1,2,4-trimethylbenzene	18.068	105	115650	0.950	ppbV #	55
101) Benzyl Chloride	18.193		0	N.D.		
102) 1,3-dichlorobenzene	18.260		0	N.D.		
103) 1,4-dichlorobenzene	18.260		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.042		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

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

Sub List : T015-NY+Naphthalene - .\2025\05\0507T\r1934340.D

Data Path : X:\Airlab\Data\Airlab19\2025\05\0507T\

Data File : r1934356.D

Acq On : 8 May 2025 12:15 AM

Operator : AIRLAB19:TPH

Sample : WG2063684-5,3,250,250

Misc : WG2063684,ICAL22124

ALS Vial : 0 Sample Multiplier: 1

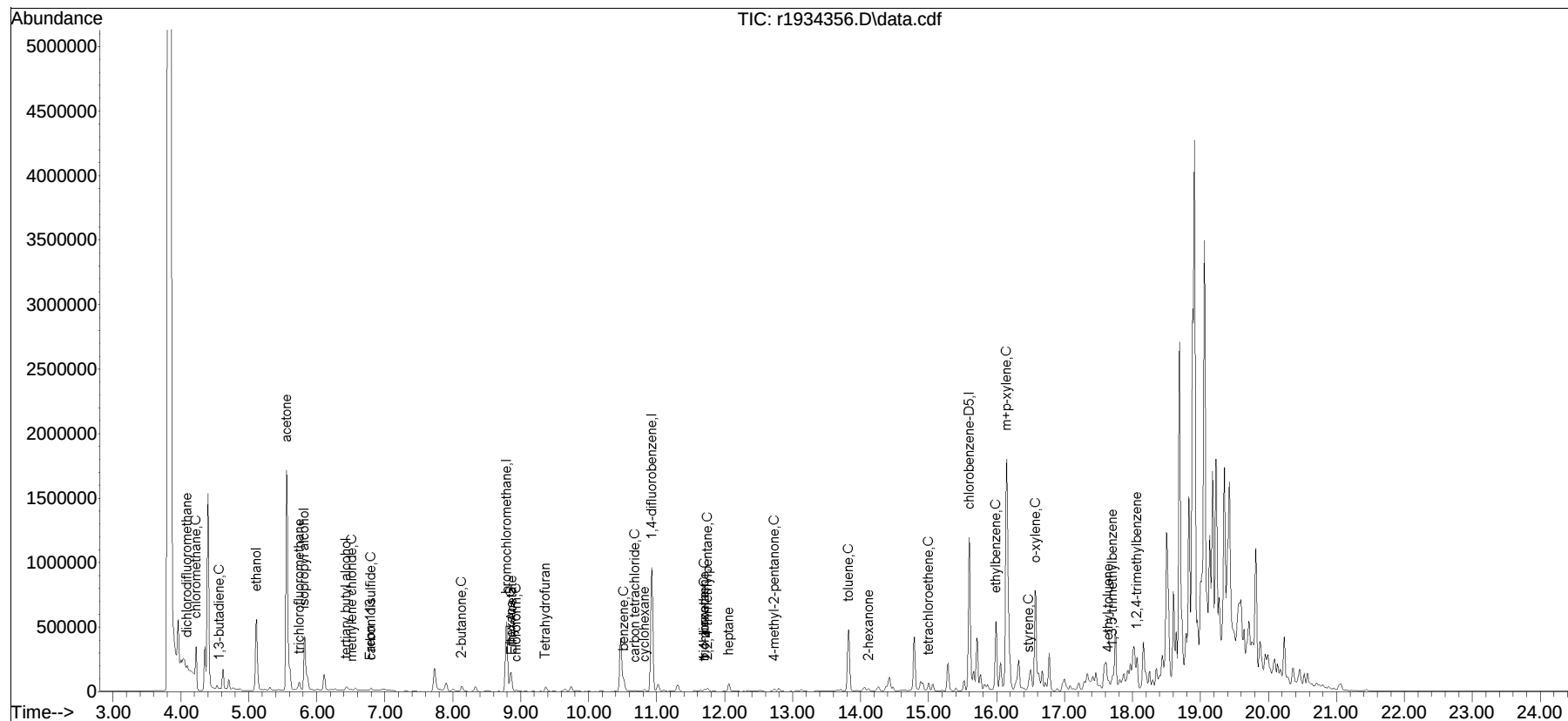
Quant Time: May 08 06:15:31 2025

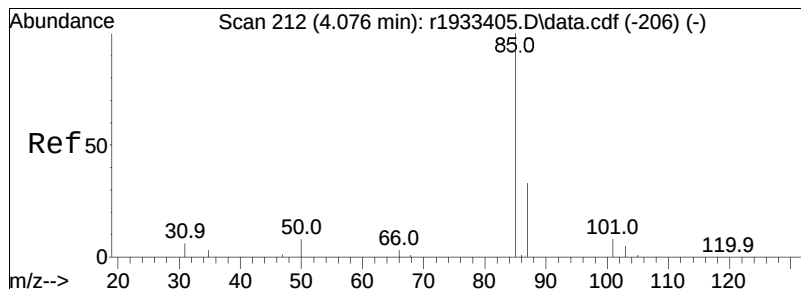
Quant Method : X:\Airlab\Data\Airlab19\2025\05\0507T\TFS19_250323.M

Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis

QLast Update : Sun Mar 30 07:46:23 2025

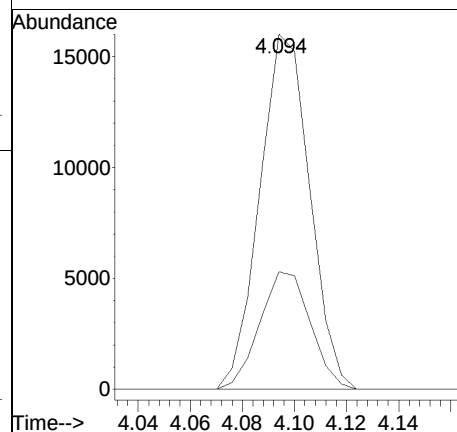
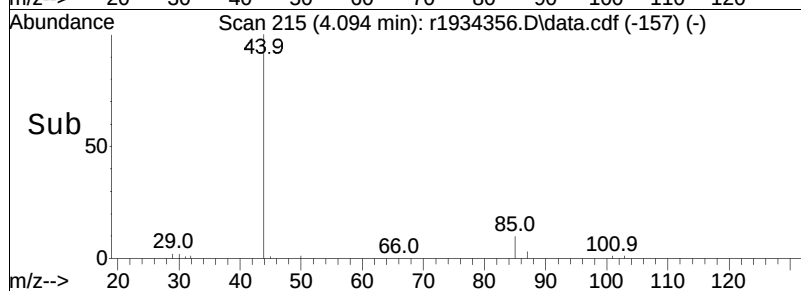
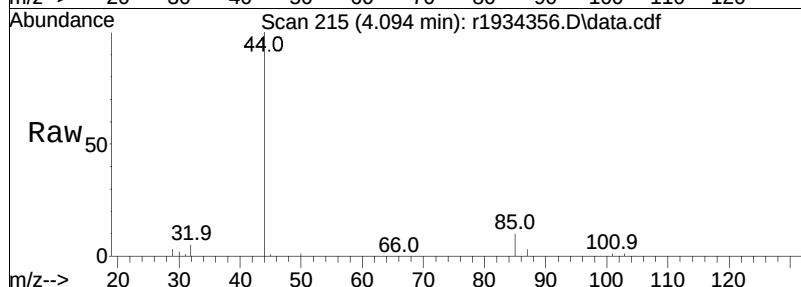
Response via : Initial Calibration

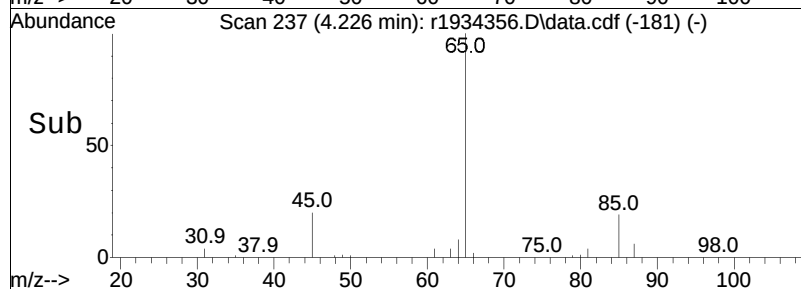
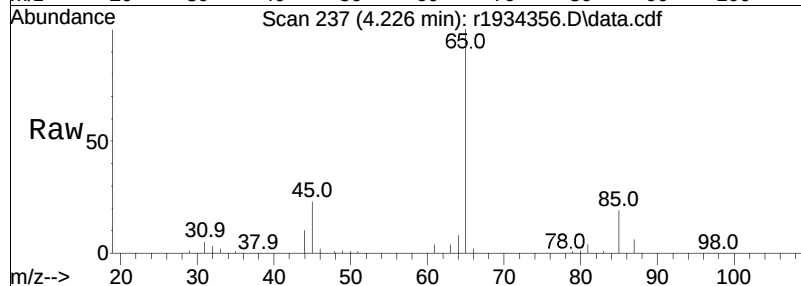
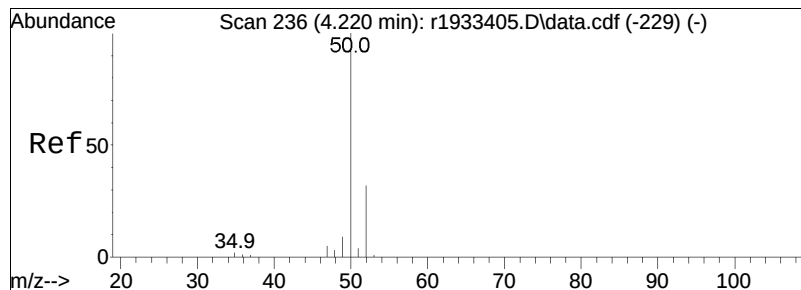




#5
 dichlorodifluoromethane
 Concen: 0.47 ppbV
 RT: 4.094 min Scan# 215
 Delta R.T. 0.018 min
 Lab File: r1934356.D
 Acq: 8 May 2025 12:15 AM

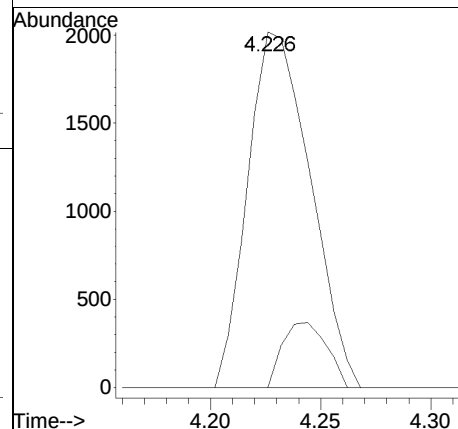
Tgt Ion: 85 Resp: 21390
 Ion Ratio Lower Upper
 85 100
 87 33.1 26.2 39.4

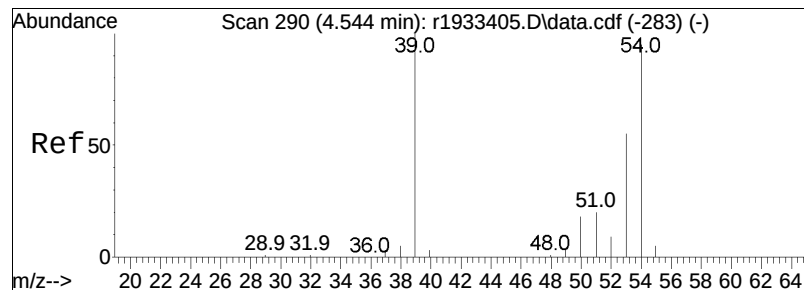




#6
 chloromethane
 Concen: 0.23 ppbV
 RT: 4.226 min Scan# 237
 Delta R.T. 0.006 min
 Lab File: r1934356.D
 Acq: 8 May 2025 12:15 AM

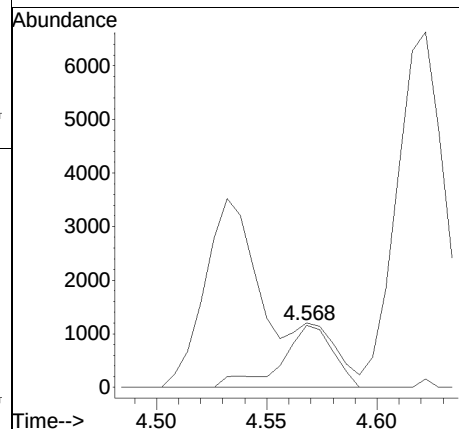
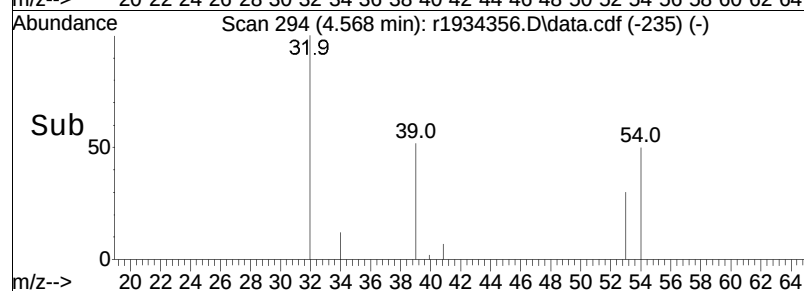
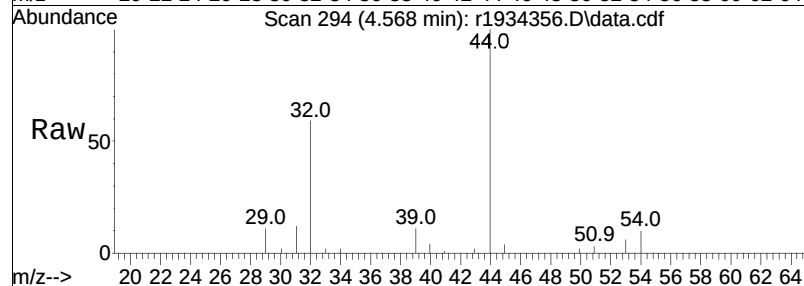
Tgt	Ion	Resp	Lower	Upper
50	100	3988		
52	0.0	25.9	38.9#	

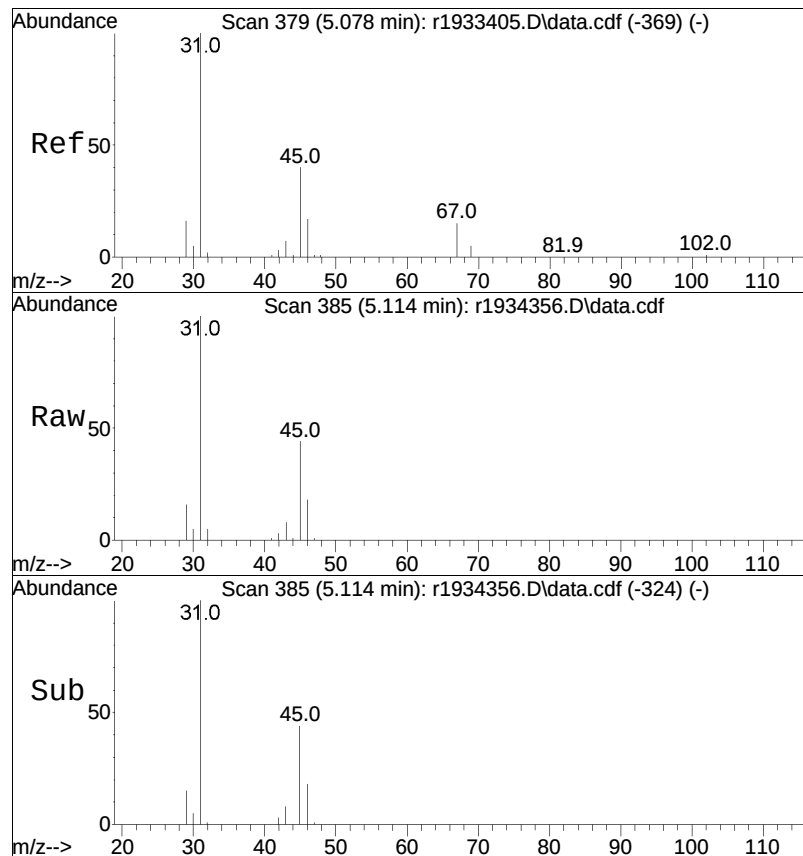




#10
 1,3-butadiene
 Concen: 0.10 ppbV
 RT: 4.568 min Scan# 294
 Delta R.T. 0.024 min
 Lab File: r1934356.D
 Acq: 8 May 2025 12:15 AM

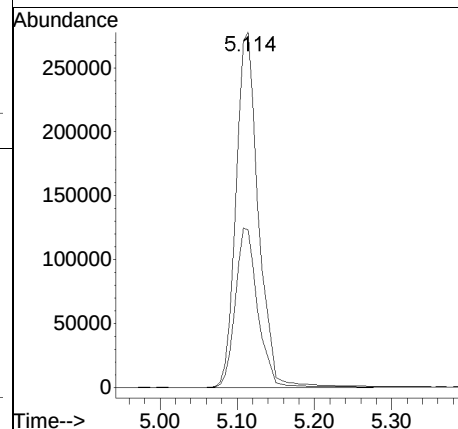
Tgt Ion	Ratio	Lower	Upper
54	100		
39	104.0	84.2	126.4

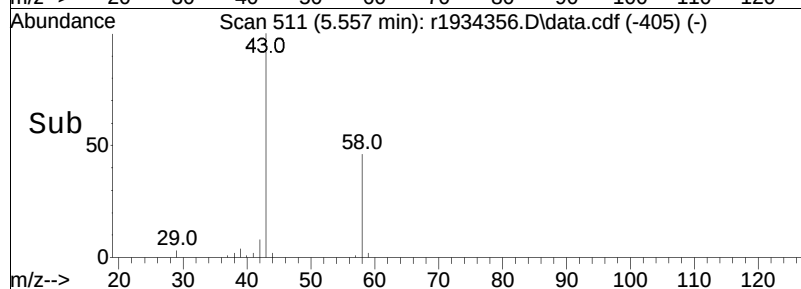
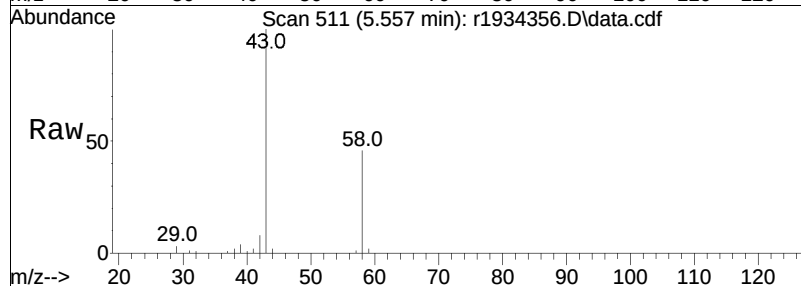
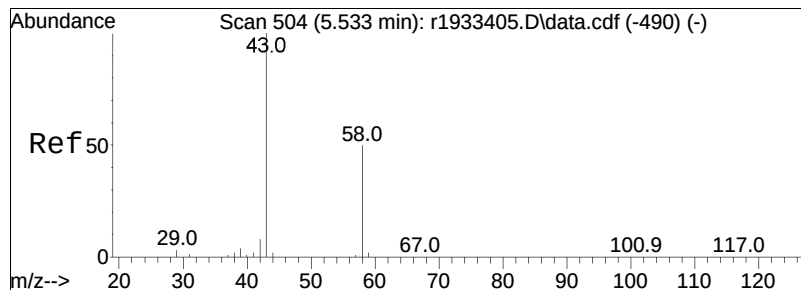




#15
 ethanol
 Concen: 18.86 ppbV
 RT: 5.114 min Scan# 385
 Delta R.T. 0.036 min
 Lab File: r1934356.D
 Acq: 8 May 2025 12:15 AM

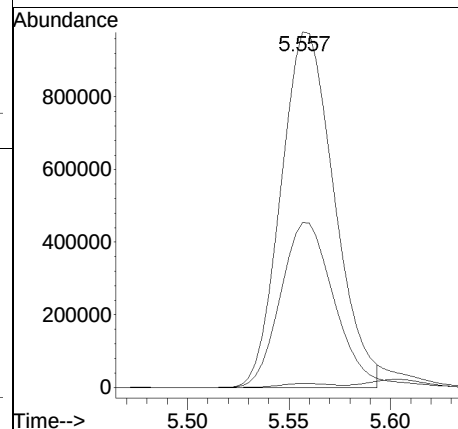
Tgt Ion:	31	Resp:	385386
Ion Ratio	Lower	Upper	
31	100		
45	44.3	31.8	47.8

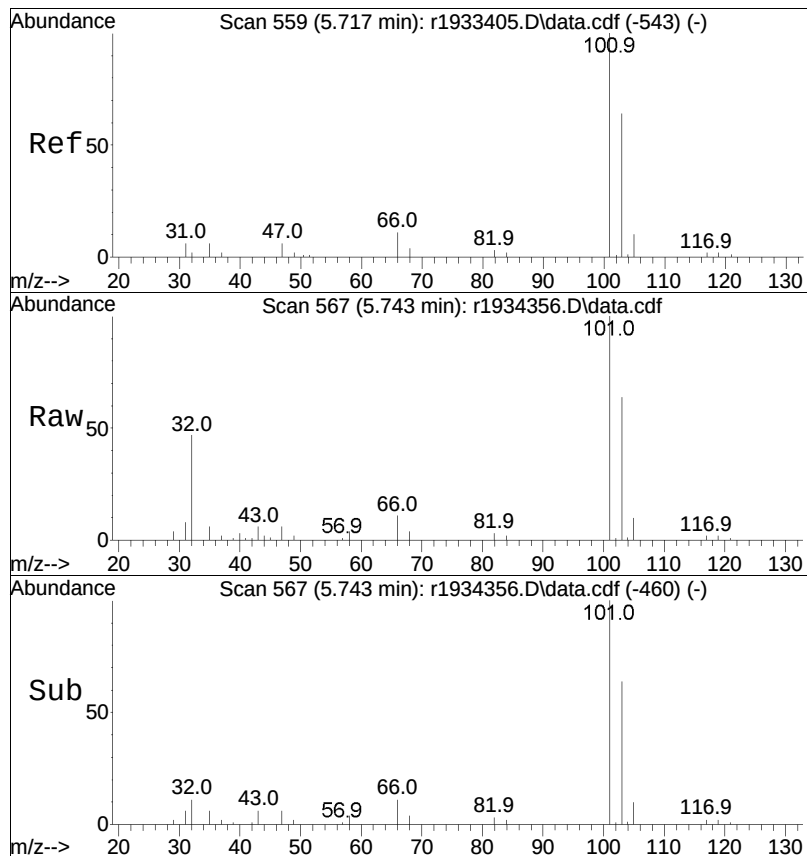




#19
acetone
Concen: 49.76 ppbV m
RT: 5.557 min Scan# 511
Delta R.T. 0.023 min
Lab File: r1934356.D
Acq: 8 May 2025 12:15 AM

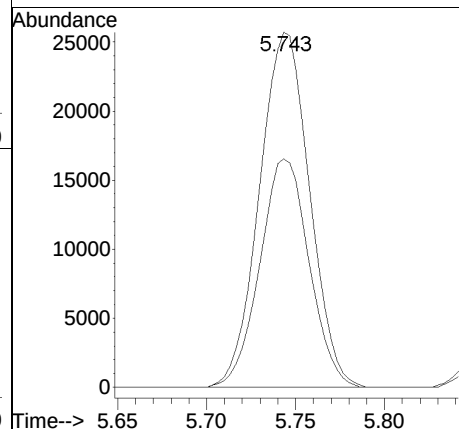
Tgt Ion	Ratio	Lower	Upper
43	100		
58	46.4	40.4	60.6
57	1.1	1.0	1.4

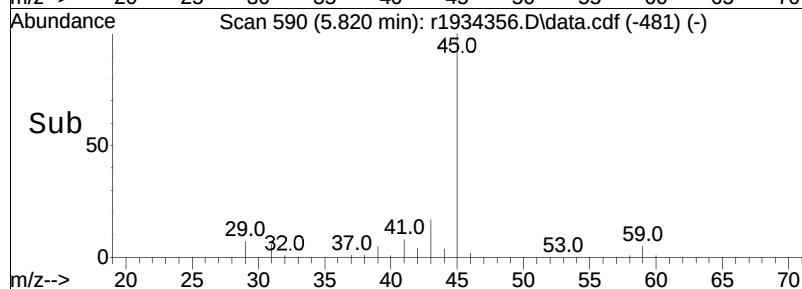
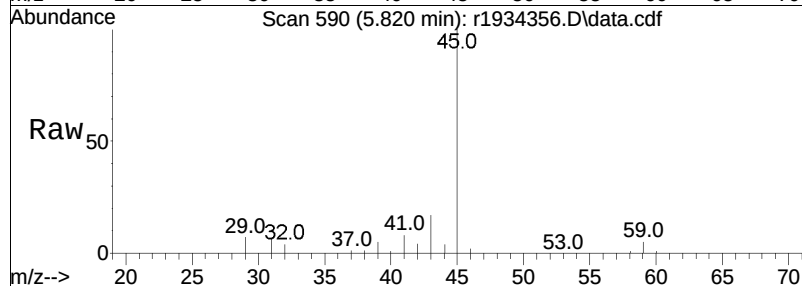
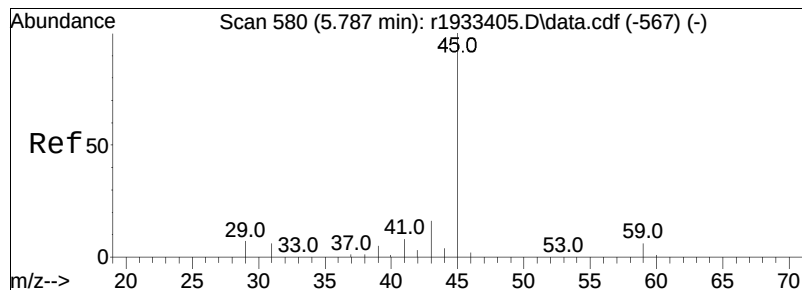




#21
trichlorofluoromethane
Concen: 1.15 ppbV
RT: 5.743 min Scan# 567
Delta R.T. 0.027 min
Lab File: r1934356.D
Acq: 8 May 2025 12:15 AM

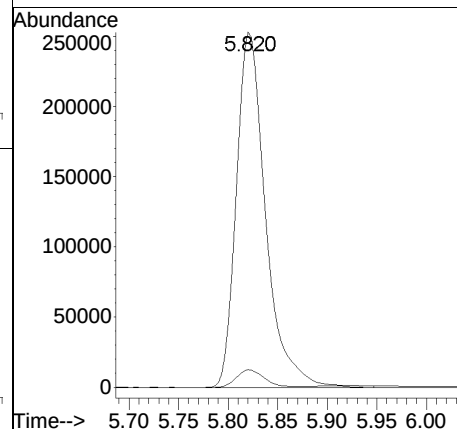
Tgt	Ion	Ratio	Lower	Upper
101	100			
103	64.3	51.0	76.4	

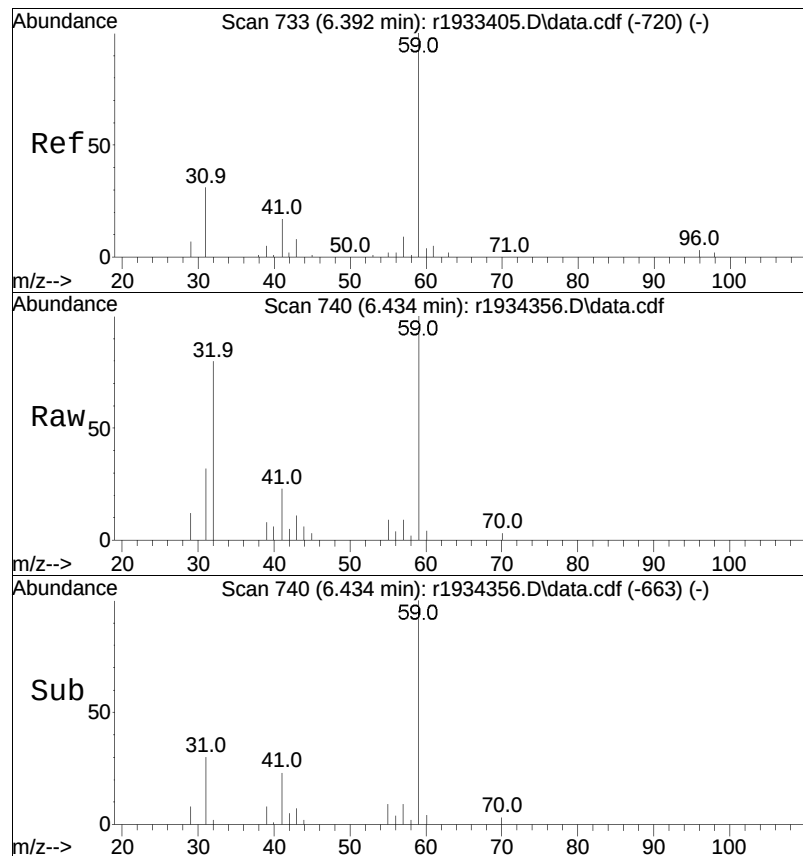




#22
isopropyl alcohol
Concen: 12.53 ppbV
RT: 5.820 min Scan# 590
Delta R.T. 0.033 min
Lab File: r1934356.D
Acq: 8 May 2025 12:15 AM

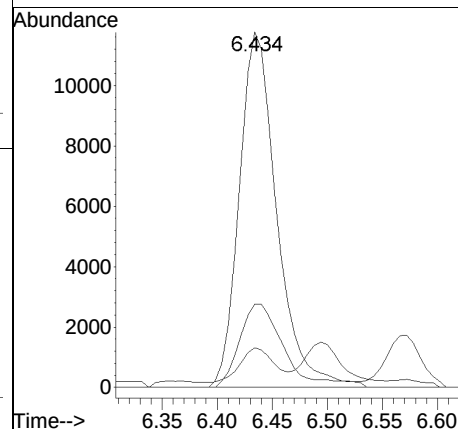
Tgt Ion:	45	59	Ratio	100	5.0	Resp:	519762	Lower	4.4	Upper	6.6
45	100										
59		5.0									

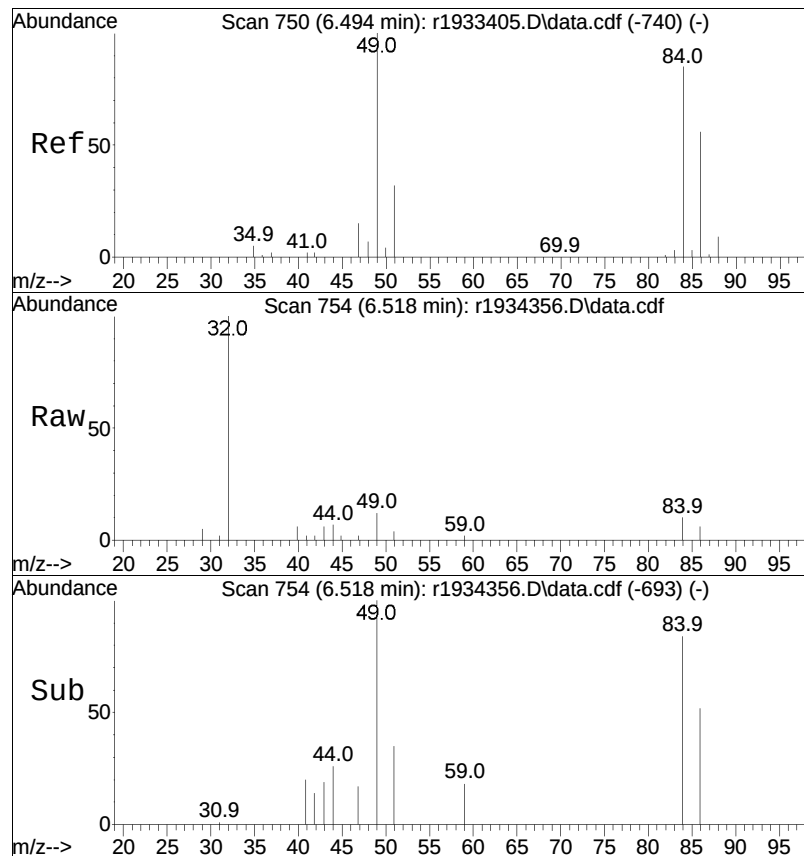




#27
 tertiary butyl alcohol
 Concen: 0.43 ppbV
 RT: 6.434 min Scan# 740
 Delta R.T. 0.042 min
 Lab File: r1934356.D
 Acq: 8 May 2025 12:15 AM

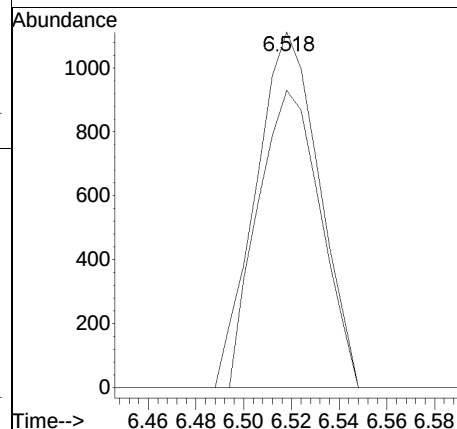
Tgt Ion	Ratio	Lower	Upper
59	100		
41	23.4	14.0	21.0#
43	11.2	6.3	9.5#

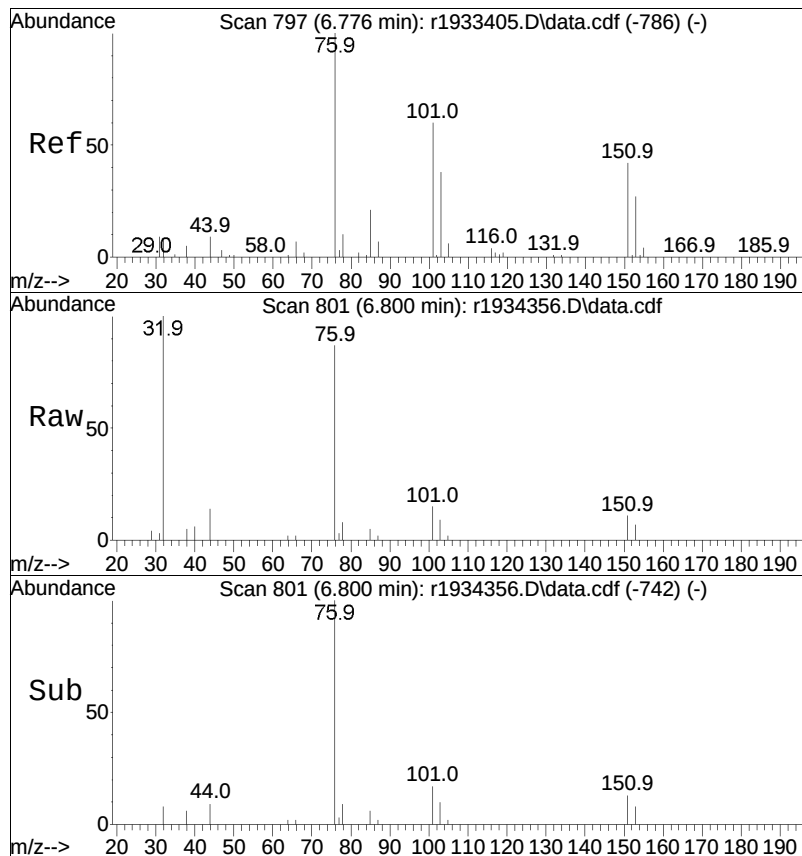




#28
 methylene chloride
 Concen: 0.08 ppbV
 RT: 6.518 min Scan# 754
 Delta R.T. 0.024 min
 Lab File: r1934356.D
 Acq: 8 May 2025 12:15 AM

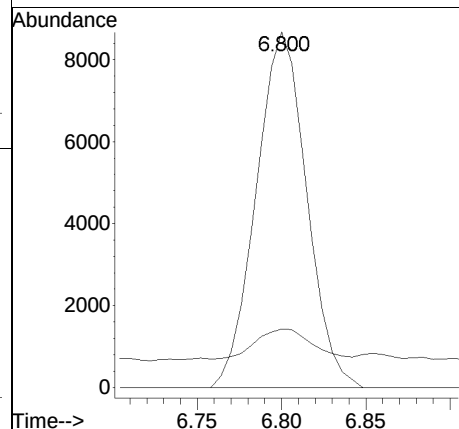
Tgt Ion:	49	84	Ratio	Lower	Upper
Resp:	2058				
Ion Ratio	100	83.5			
			68.4	102.6	

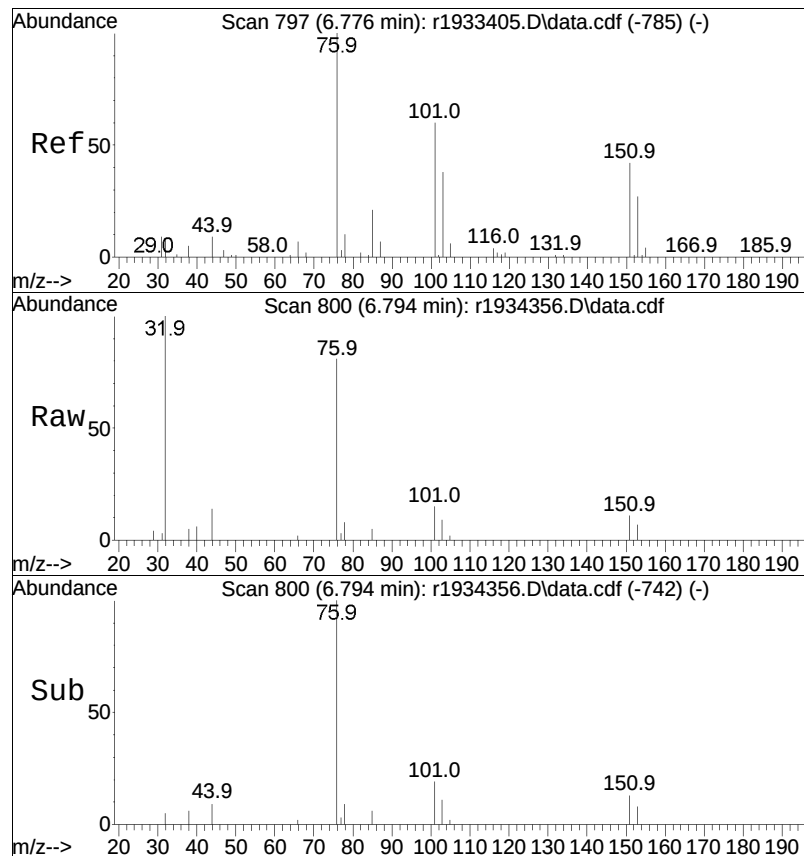




#30
 carbon disulfide
 Concen: 0.24 ppbV
 RT: 6.800 min Scan# 801
 Delta R.T. 0.024 min
 Lab File: r1934356.D
 Acq: 8 May 2025 12:15 AM

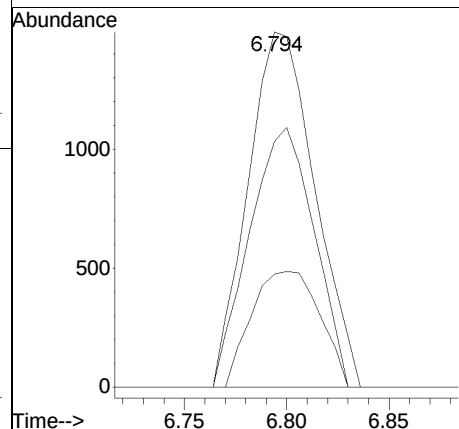
Tgt	Ion	Resp	Lower	Upper
76	100	18048		
44	16.4	7.0	10.6#	

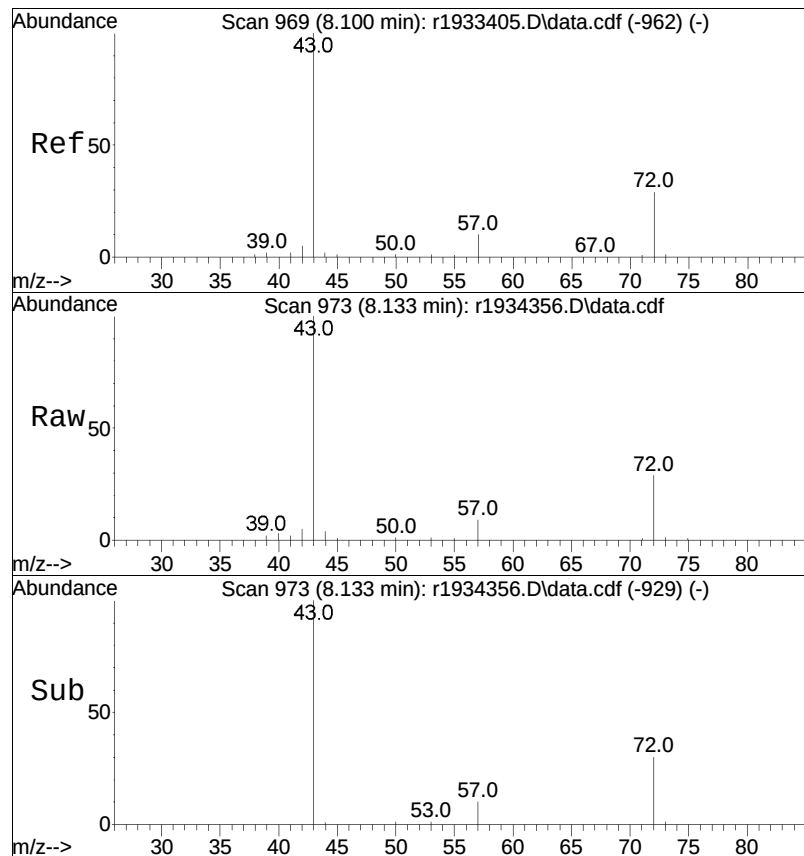




#31
 Freon 113
 Concen: 0.07 ppbV
 RT: 6.794 min Scan# 800
 Delta R.T. 0.018 min
 Lab File: r1934356.D
 Acq: 8 May 2025 12:15 AM

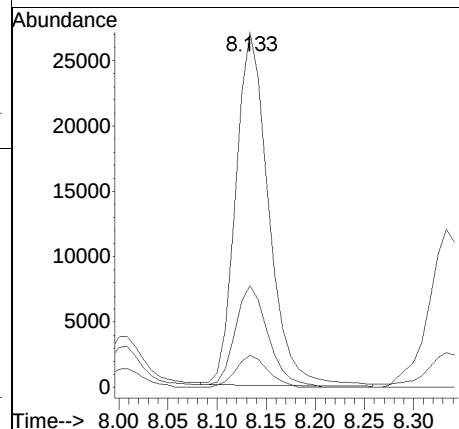
Tgt Ion:	101	Resp:	3394
Ion Ratio	Lower	Upper	
101	100		
85	31.9	27.7	41.5
151	69.2	56.6	85.0

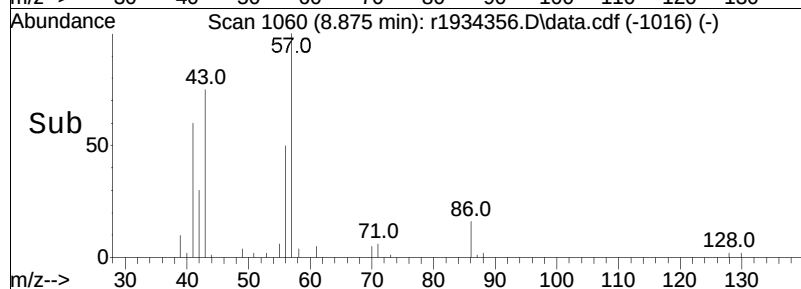
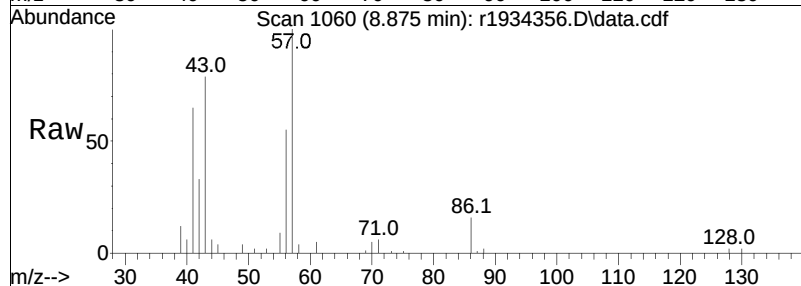
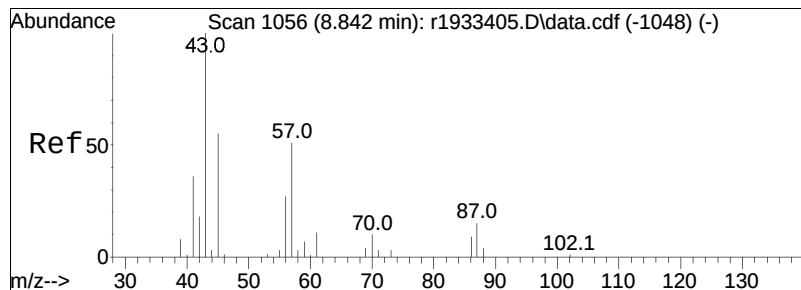




#36
 2-butanone
 Concen: 1.10 ppbV
 RT: 8.133 min Scan# 973
 Delta R.T. 0.033 min
 Lab File: r1934356.D
 Acq: 8 May 2025 12:15 AM

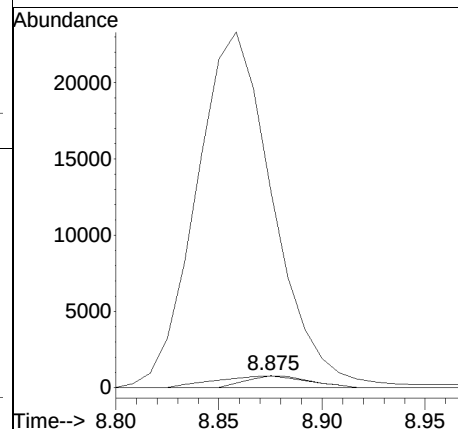
Tgt Ion:	43	Resp:	62989
Ion Ratio	Lower	Upper	
43	100		
72	28.7	23.3	34.9
57	9.0	7.9	11.9

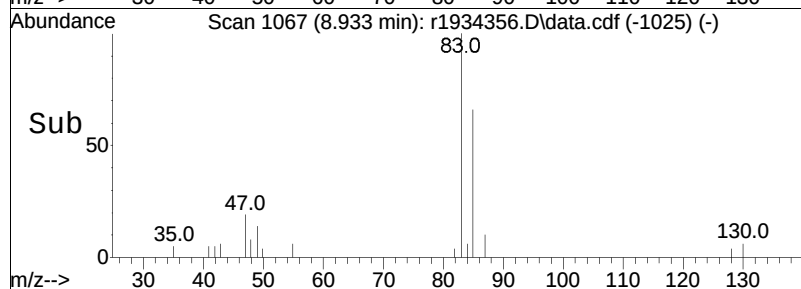
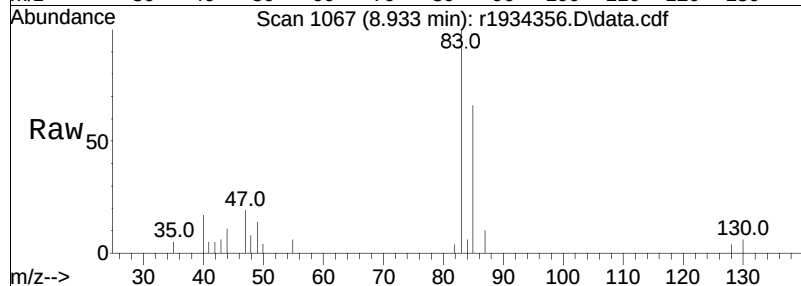
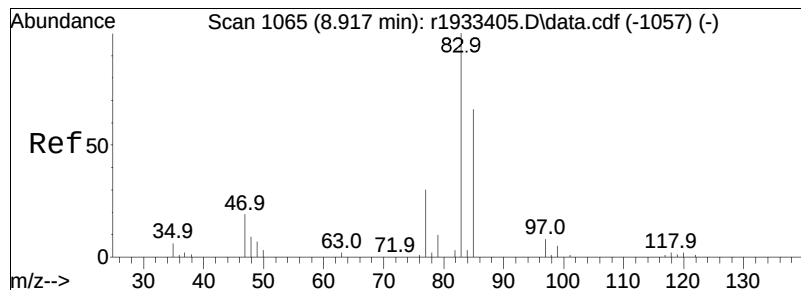




#38
Ethyl Acetate
Concen: 0.14 ppbV
RT: 8.875 min Scan# 1060
Delta R.T. 0.033 min
Lab File: r1934356.D
Acq: 8 May 2025 12:15 AM

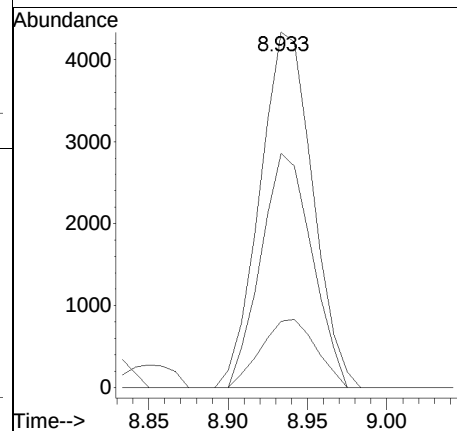
Tgt Ion	Ratio	Lower	Upper
61	100		
70	98.2	72.0	108.0
43	1694.8	714.4	1071.6#

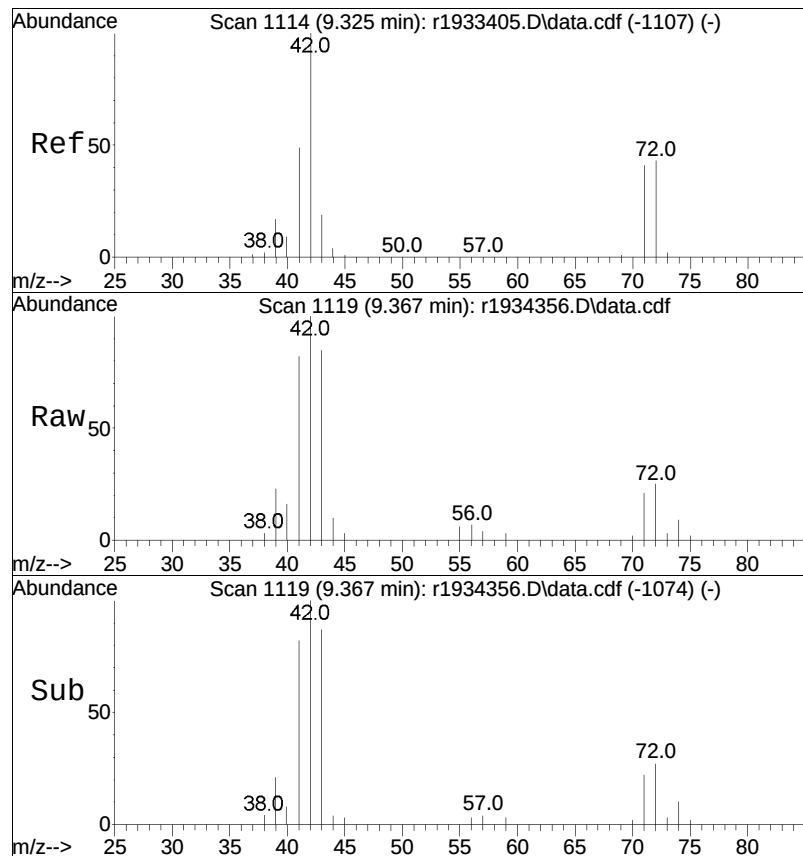




#39
chloroform
Concen: 0.22 ppbV
RT: 8.933 min Scan# 1067
Delta R.T. 0.017 min
Lab File: r1934356.D
Acq: 8 May 2025 12:15 AM

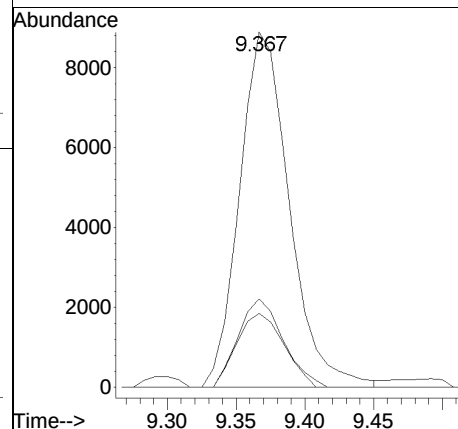
Tgt	Ion	Ratio	Lower	Upper
83	100			
85	65.9	53.4	80.0	
47	18.6	15.0	22.4	

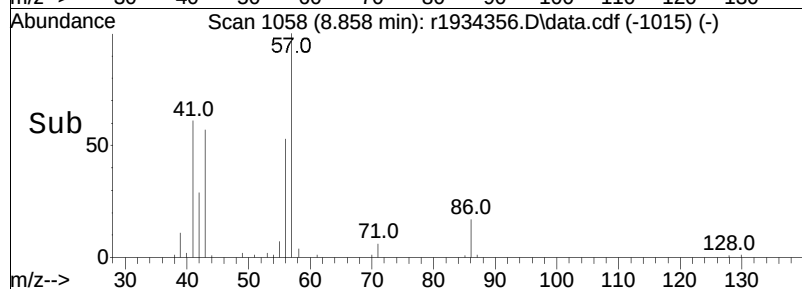
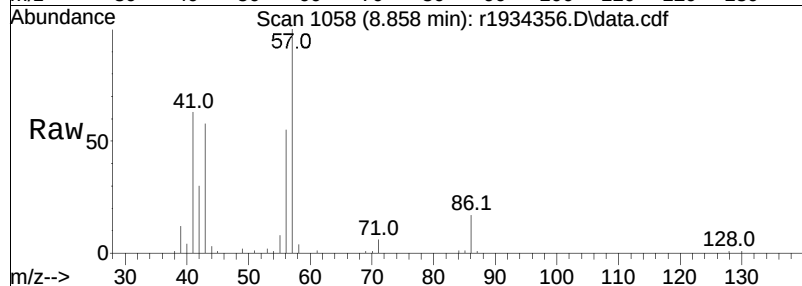
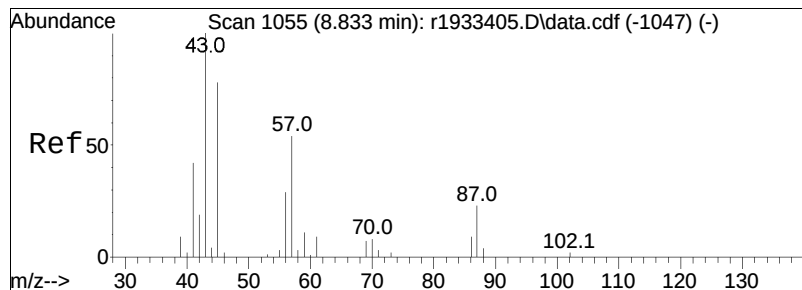




#40
 Tetrahydrofuran
 Concen: 0.69 ppbV
 RT: 9.367 min Scan# 1119
 Delta R.T. 0.042 min
 Lab File: r1934356.D
 Acq: 8 May 2025 12:15 AM

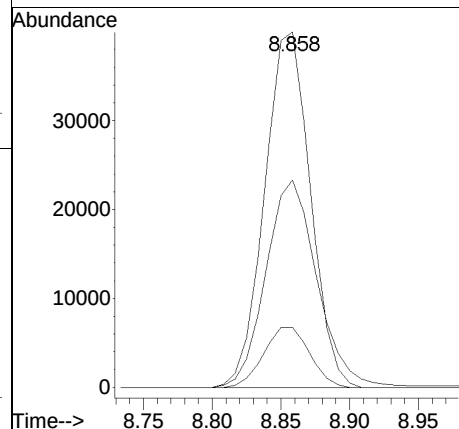
Tgt Ion:	42	Resp:	22432
Ion Ratio	Lower	Upper	
42	100		
71	20.8	32.6	48.8#
72	25.0	34.6	52.0#

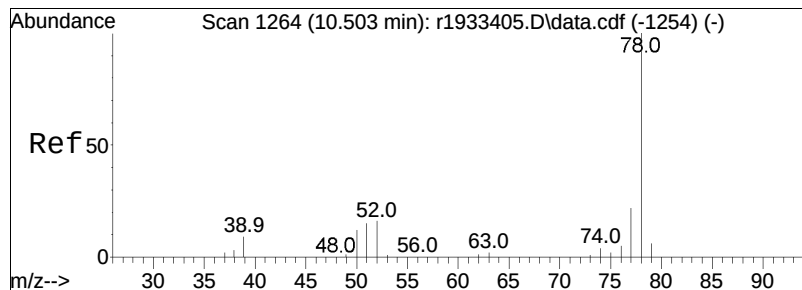




#44
hexane
Concen: 1.56 ppbV
RT: 8.858 min Scan# 1058
Delta R.T. 0.025 min
Lab File: r1934356.D
Acq: 8 May 2025 12:15 AM

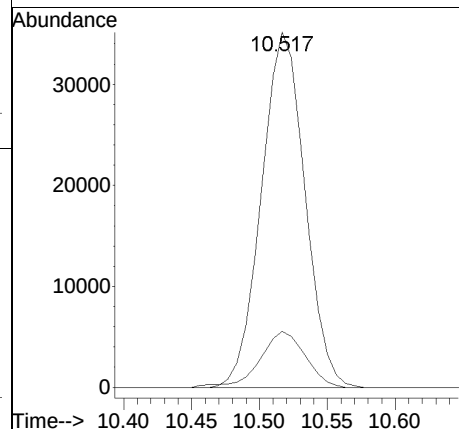
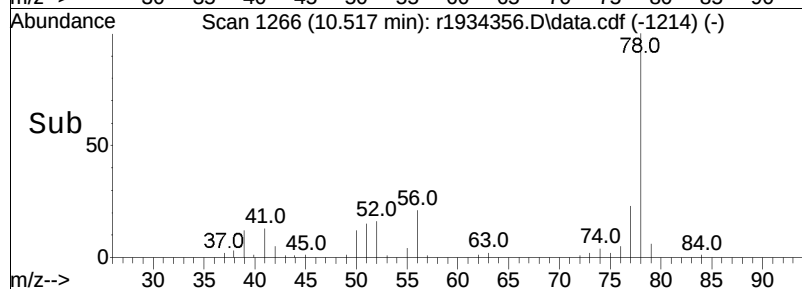
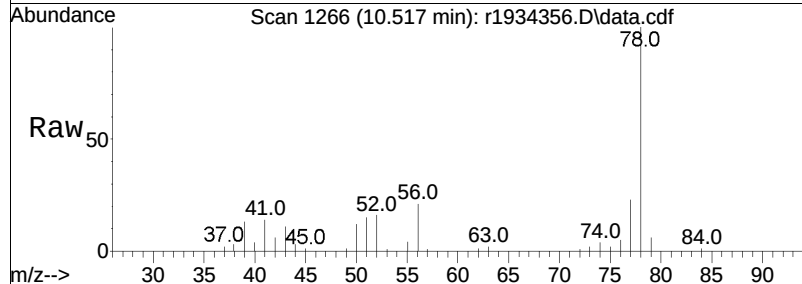
Tgt	Ion	Ratio	Lower	Upper
57	100			
43	58.3	148.0	222.0#	
86	16.9	13.7	20.5	

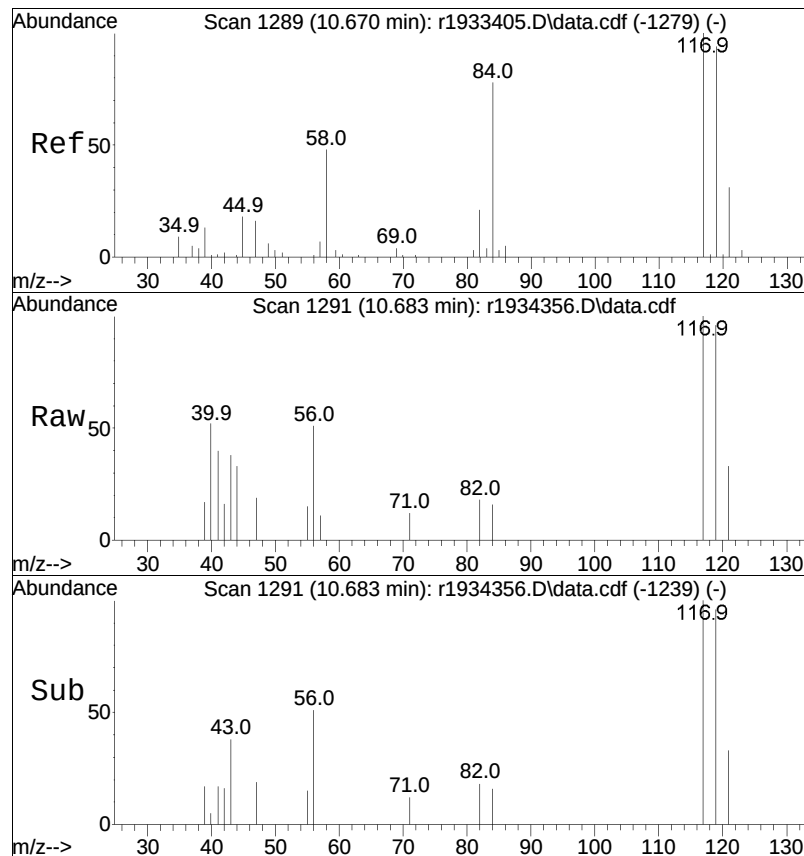




#50
benzene
Concen: 0.92 ppbV
RT: 10.517 min Scan# 1266
Delta R.T. 0.013 min
Lab File: r1934356.D
Acq: 8 May 2025 12:15 AM

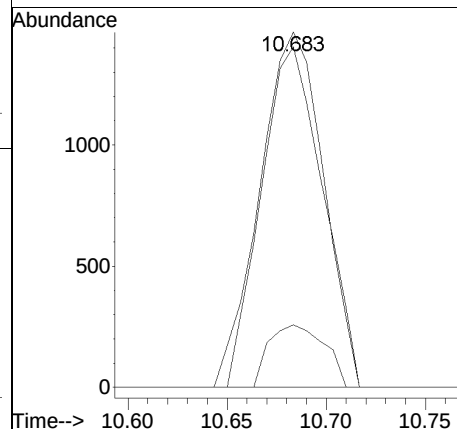
Tgt Ion	Ratio	Lower	Upper
78	100		
52	15.8	13.2	19.8

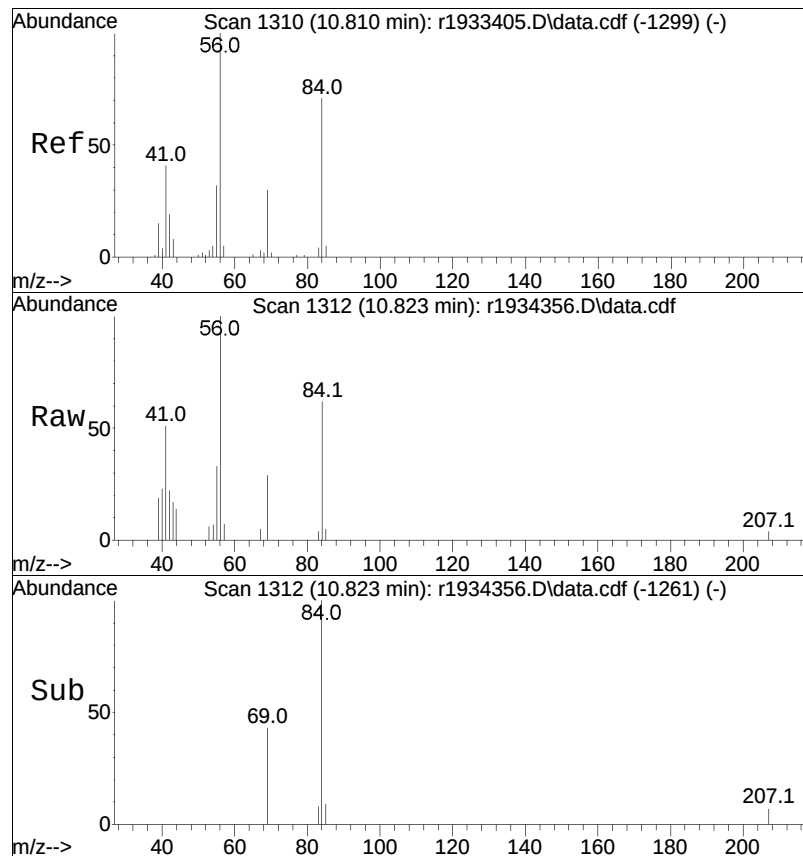




#52
 carbon tetrachloride
 Concen: 0.10 ppbV
 RT: 10.683 min Scan# 1291
 Delta R.T. 0.013 min
 Lab File: r1934356.D
 Acq: 8 May 2025 12:15 AM

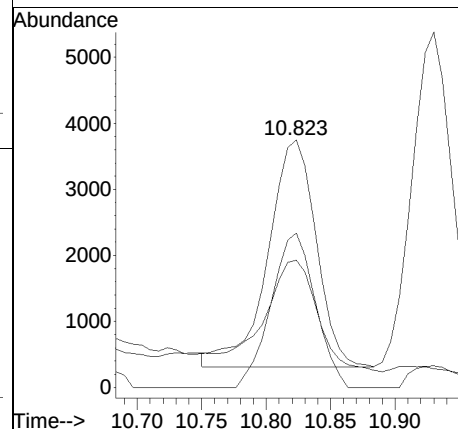
Tgt Ion:	117	Resp:	3284
Ion Ratio	Lower	Upper	
117	100		
119	95.9	75.6	113.4
82	17.6	16.8	25.2

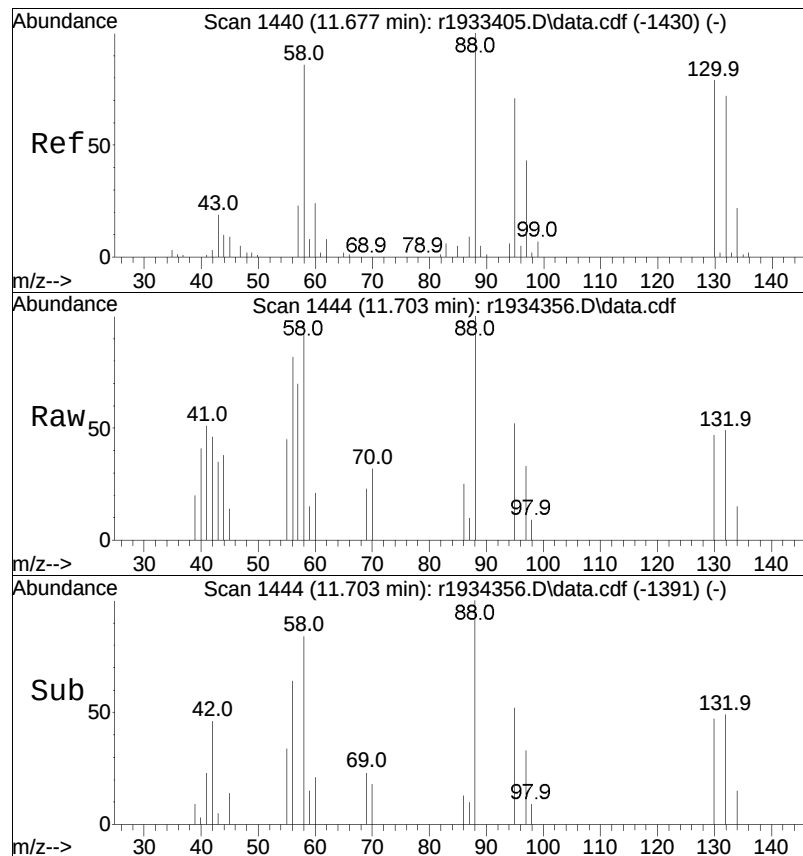




#53
cyclohexane
Concen: 0.16 ppbV
RT: 10.823 min Scan# 1312
Delta R.T. 0.013 min
Lab File: r1934356.D
Acq: 8 May 2025 12:15 AM

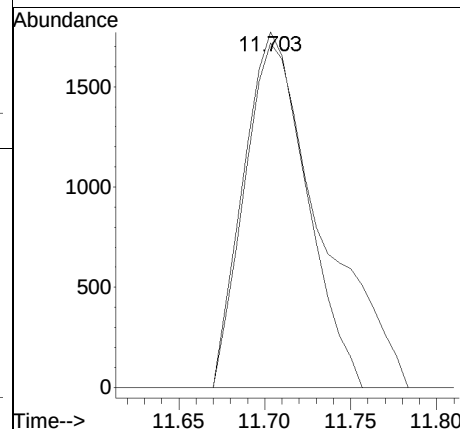
Tgt	Ion	Ratio	Lower	Upper
56	100			
84	62.4	56.8	85.2	
41	51.4	32.8	49.2	

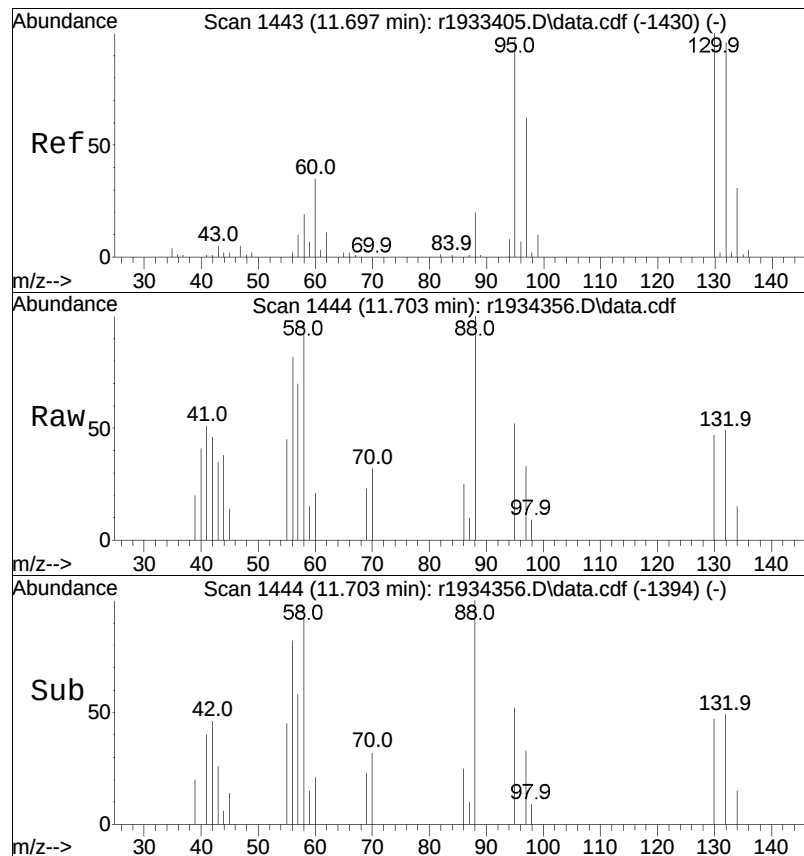




#58
 1,4-dioxane
 Concen: 0.22 ppbV
 RT: 11.703 min Scan# 1444
 Delta R.T. 0.027 min
 Lab File: r1934356.D
 Acq: 8 May 2025 12:15 AM

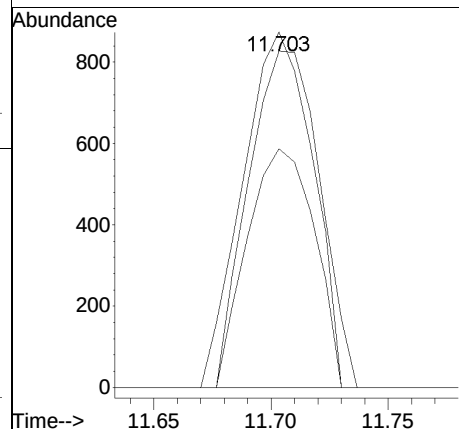
Tgt Ion	Ratio	Lower	Upper
88	100		
58	96.9	69.1	103.7

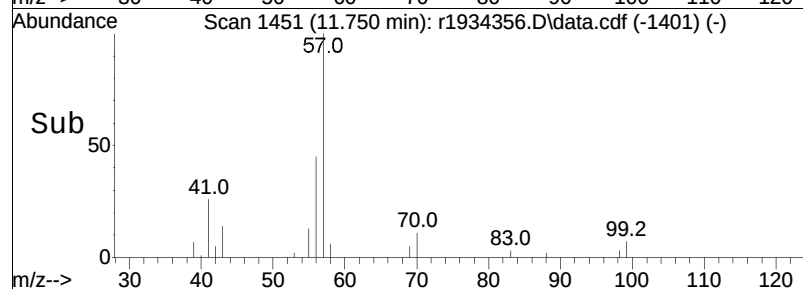
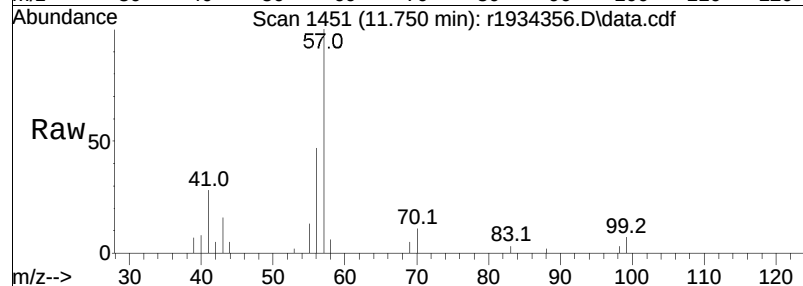
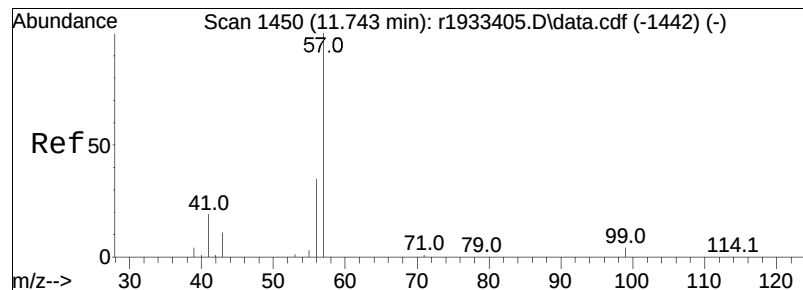




#59
trichloroethene
Concen: 0.05 ppbV
RT: 11.703 min Scan# 1444
Delta R.T. 0.007 min
Lab File: r1934356.D
Acq: 8 May 2025 12:15 AM

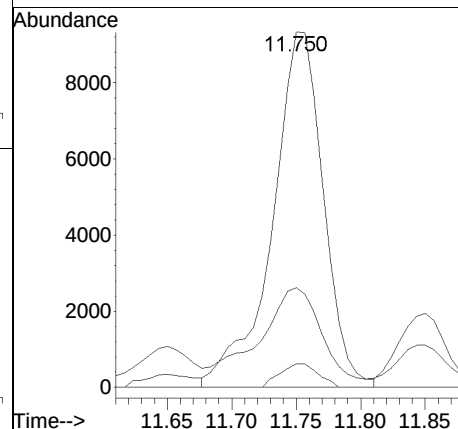
Tgt	Ion:130	Resp:	1756
Ion	Ratio	Lower	Upper
130	100		
132	105.7	76.6	114.8
97	71.0	49.3	73.9

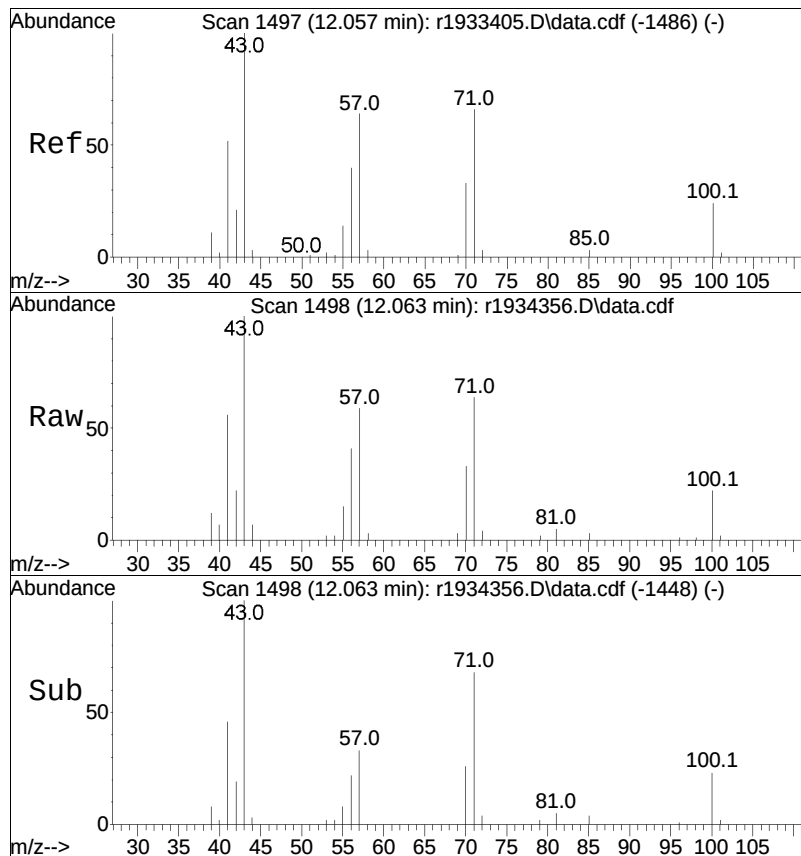




#60
 2,2,4-trimethylpentane
 Concen: 0.15 ppbV
 RT: 11.750 min Scan# 1451
 Delta R.T. 0.007 min
 Lab File: r1934356.D
 Acq: 8 May 2025 12:15 AM

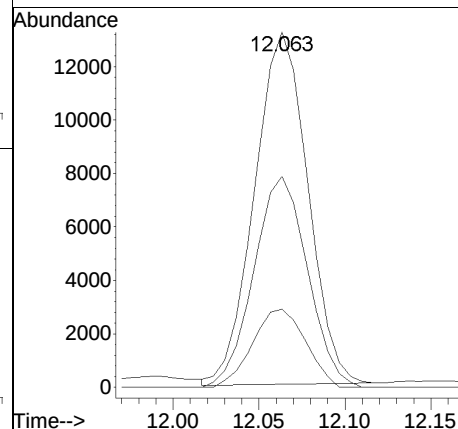
Tgt Ion:	57	99	41	Ratio	100	6.7	28.1	Resp:	25760	Lower	Upper

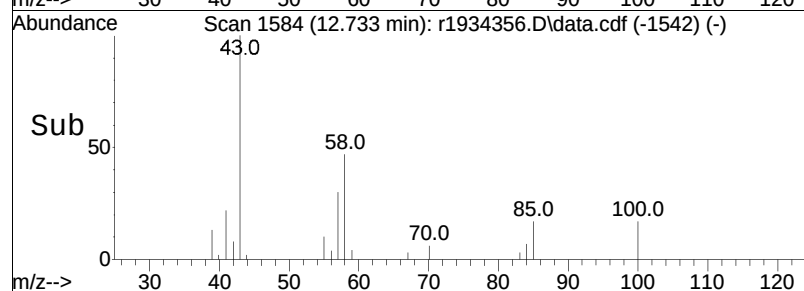
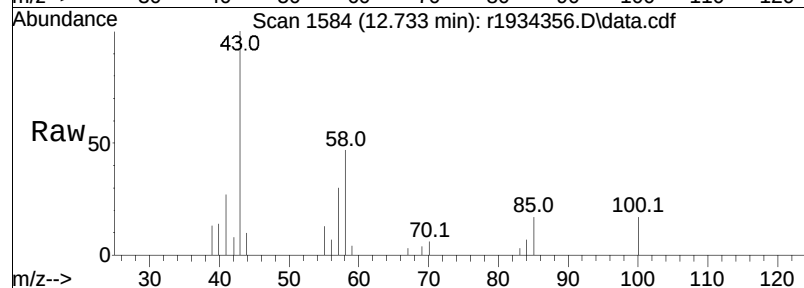
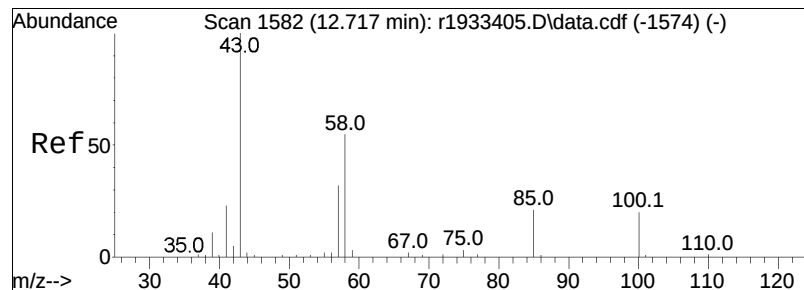




#62
 heptane
 Concen: 0.54 ppbV
 RT: 12.063 min Scan# 1498
 Delta R.T. 0.007 min
 Lab File: r1934356.D
 Acq: 8 May 2025 12:15 AM

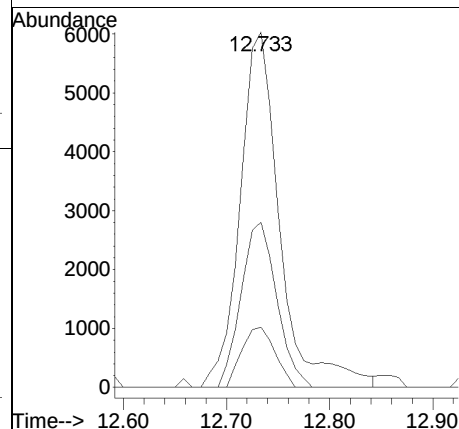
Tgt	Ion: 43	Resp:	28386
Ion	Ratio	Lower	Upper
43	100		
57	59.4	51.3	76.9
100	22.0	19.3	28.9

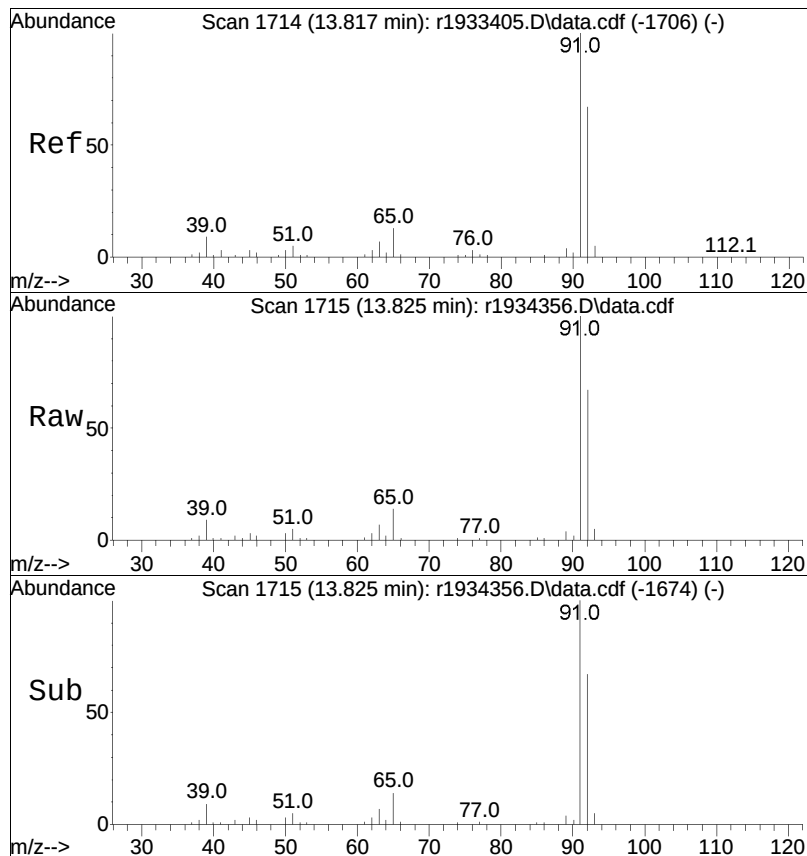




#64
 4-methyl-2-pentanone
 Concen: 0.26 ppbV
 RT: 12.733 min Scan# 1584
 Delta R.T. 0.017 min
 Lab File: r1934356.D
 Acq: 8 May 2025 12:15 AM

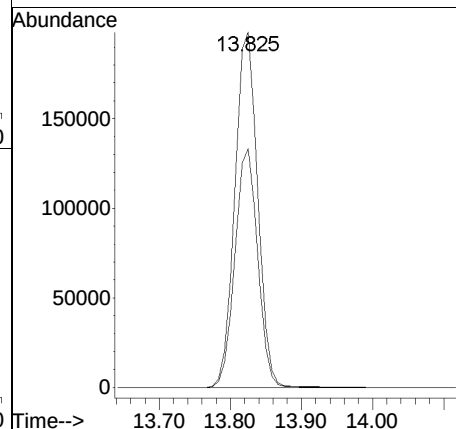
Tgt Ion:	43	58	100	Resp:	16238	Lower	Upper
Ratio	100	46.5	17.0				
		44.1	16.3				
		66.1	24.5				

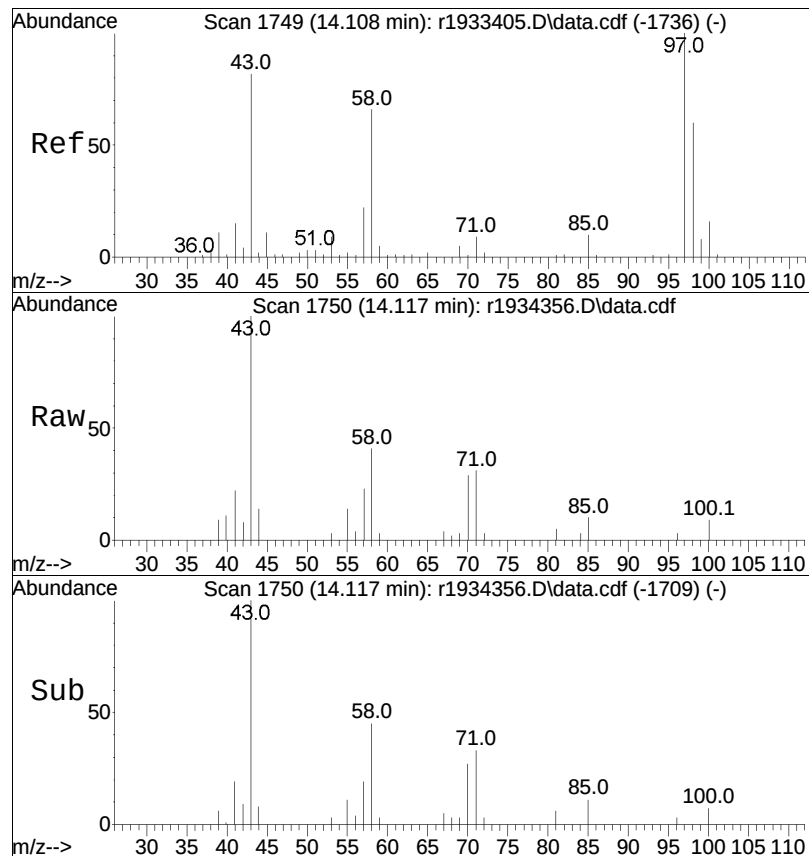




#68
toluene
Concen: 4.16 ppbV
RT: 13.825 min Scan# 1715
Delta R.T. 0.008 min
Lab File: r1934356.D
Acq: 8 May 2025 12:15 AM

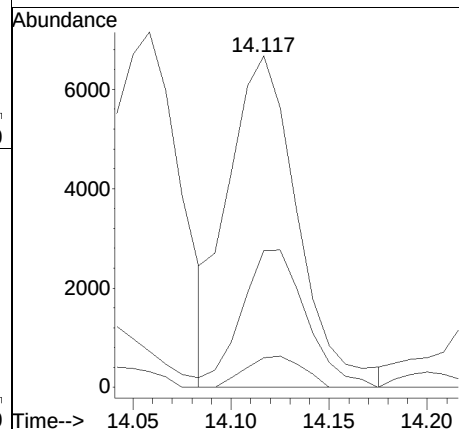
Tgt	Ion	Resp	Lower	Upper
91	100	442122		
92	67.2	53.5	80.3	

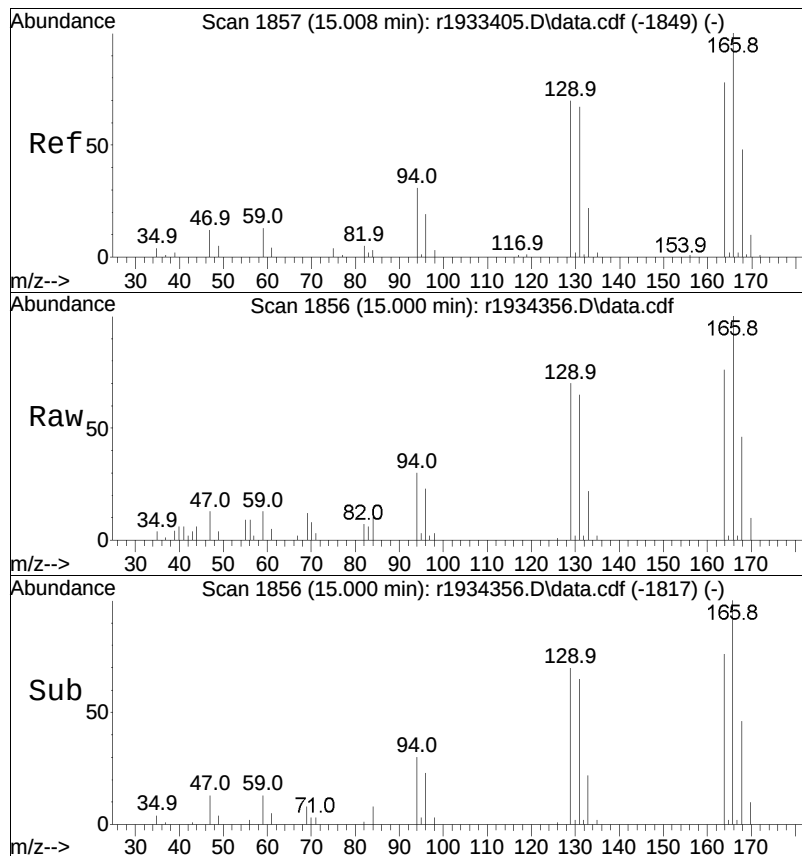




#72
 2-hexanone
 Concen: 0.29 ppbV m
 RT: 14.117 min Scan# 1750
 Delta R.T. 0.008 min
 Lab File: r1934356.D
 Acq: 8 May 2025 12:15 AM

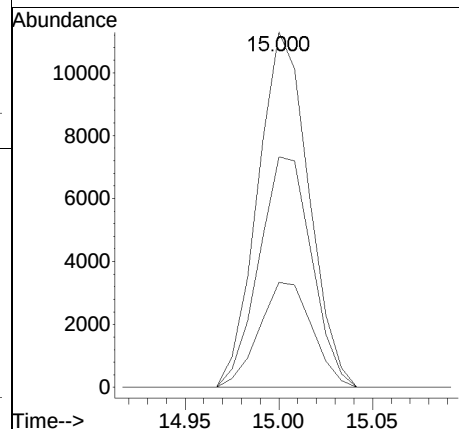
Tgt Ion:	43	Resp:	16420
Ion Ratio	Lower	Upper	
43	100		
58	41.3	65.2	97.8#
100	9.0	15.7	23.5#

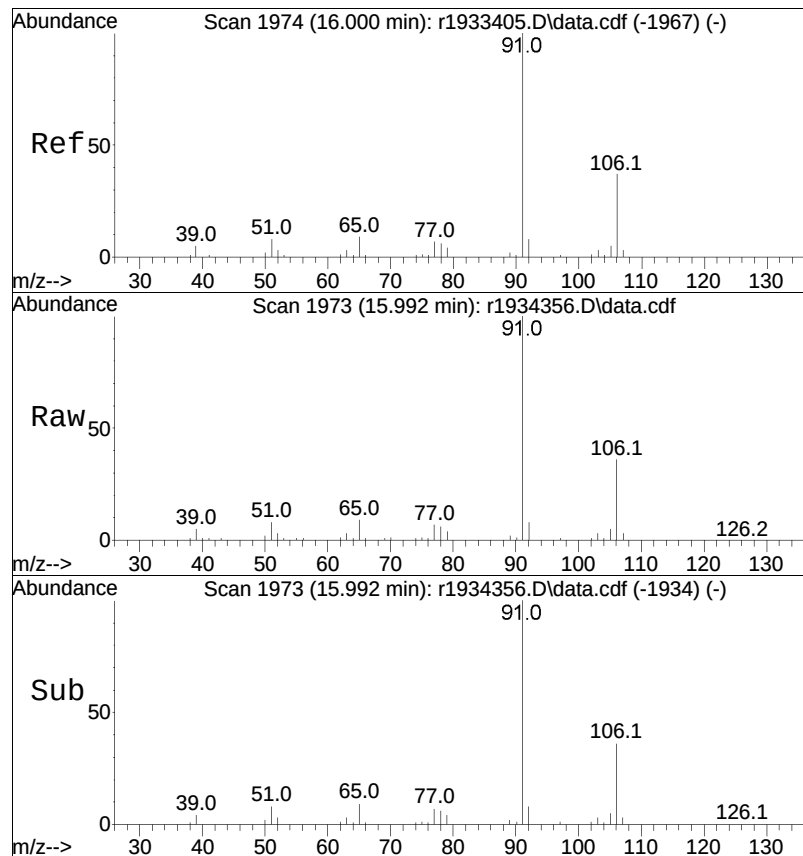




#78
 tetrachloroethene
 Concen: 0.47 ppbV
 RT: 15.000 min Scan# 1856
 Delta R.T. -0.008 min
 Lab File: r1934356.D
 Acq: 8 May 2025 12:15 AM

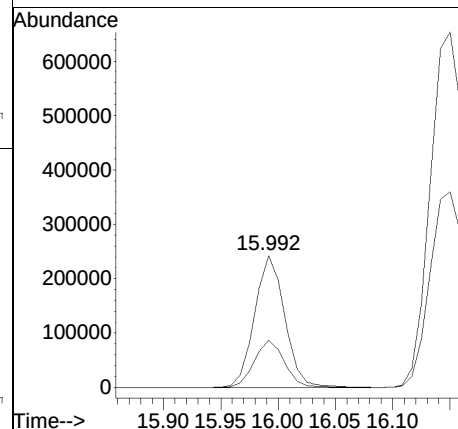
Tgt	Ion:166	Resp:	21348
Ion	Ratio	Lower	Upper
166	100		
131	64.9	53.6	80.4
94	29.6	24.4	36.6

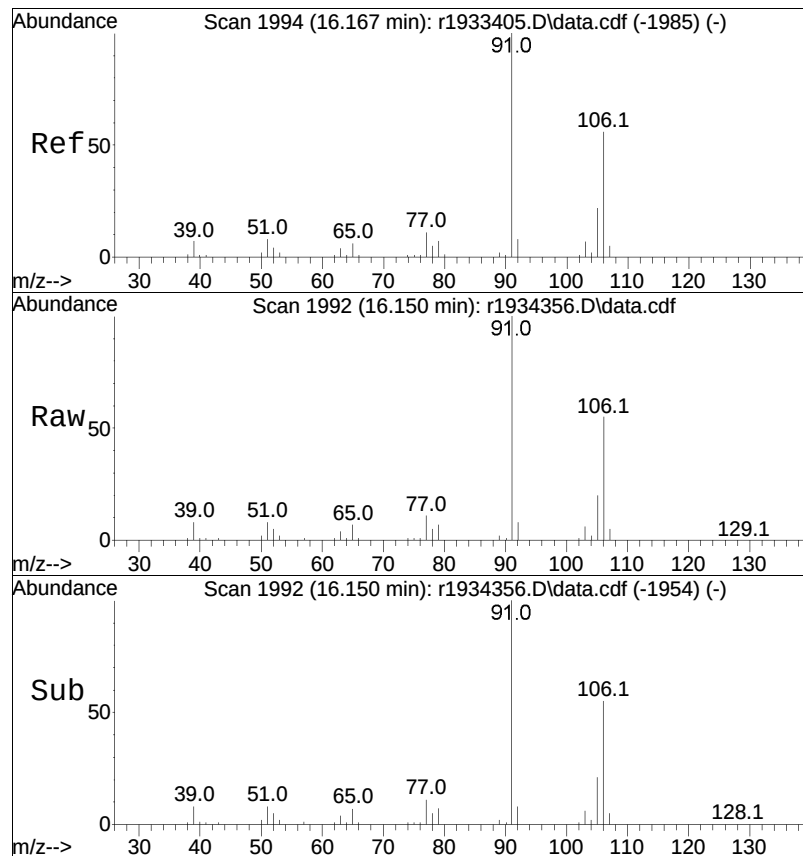




#81
ethylbenzene
Concen: 3.28 ppbV
RT: 15.992 min Scan# 1973
Delta R.T. -0.008 min
Lab File: r1934356.D
Acq: 8 May 2025 12:15 AM

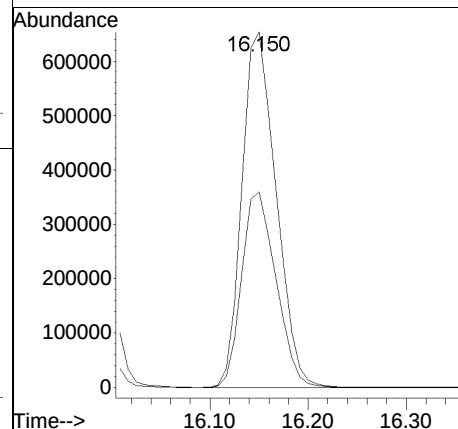
Tgt Ion	Ratio	Lower	Upper
91	100		
106	35.9	29.3	43.9

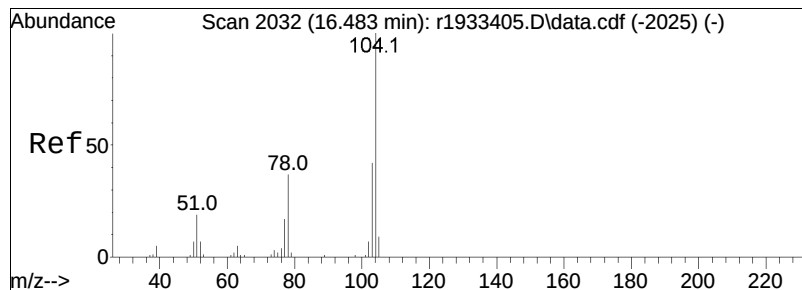




#83
 m+p-xylene
 Concen: 14.62 ppbV
 RT: 16.150 min Scan# 1992
 Delta R.T. -0.017 min
 Lab File: r1934356.D
 Acq: 8 May 2025 12:15 AM

Tgt Ion: 91 Resp: 1577491
 Ion Ratio Lower Upper
 91 100
 106 55.0 44.6 67.0





#85

styrene

Concen: 0.09 ppbV

RT: 16.475 min Scan# 2031

Delta R.T. -0.008 min

Lab File: r1934356.D

Acq: 8 May 2025 12:15 AM

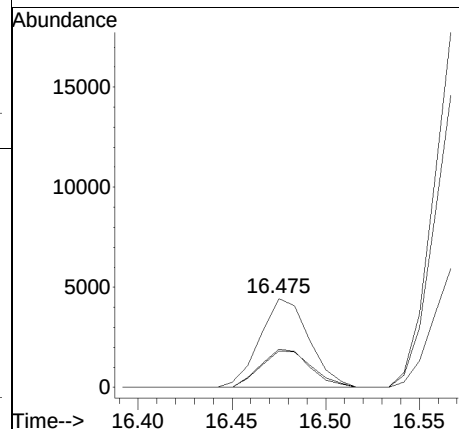
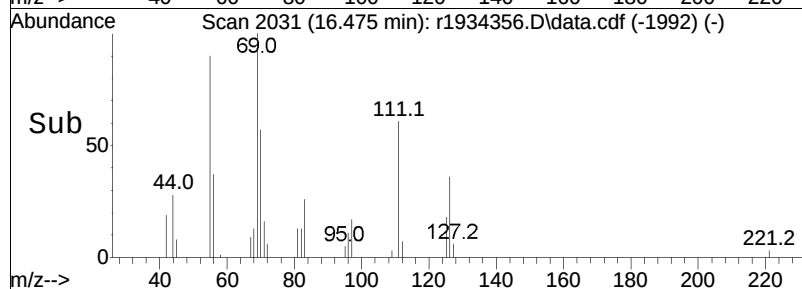
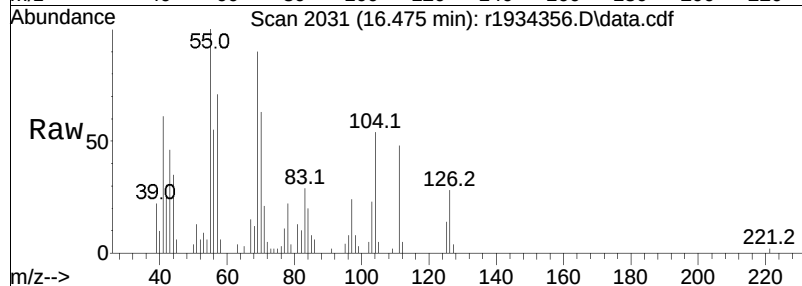
Tgt Ion:104 Resp: 8108

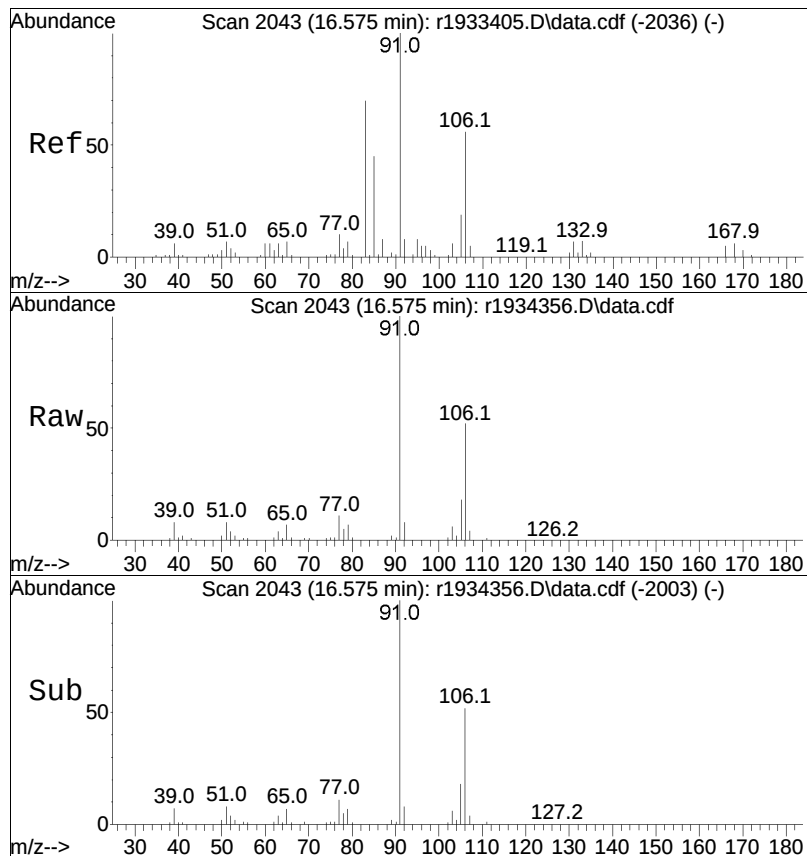
Ion Ratio Lower Upper

104 100

103 43.1 33.8 50.6

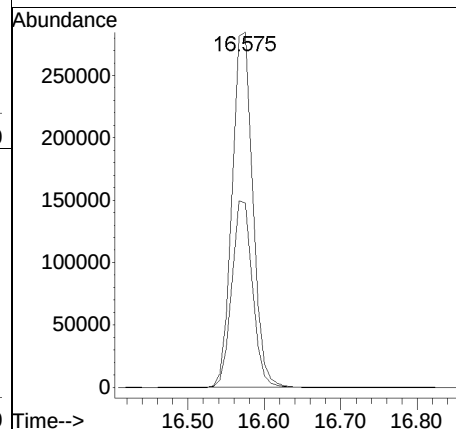
78 41.1 29.9 44.9

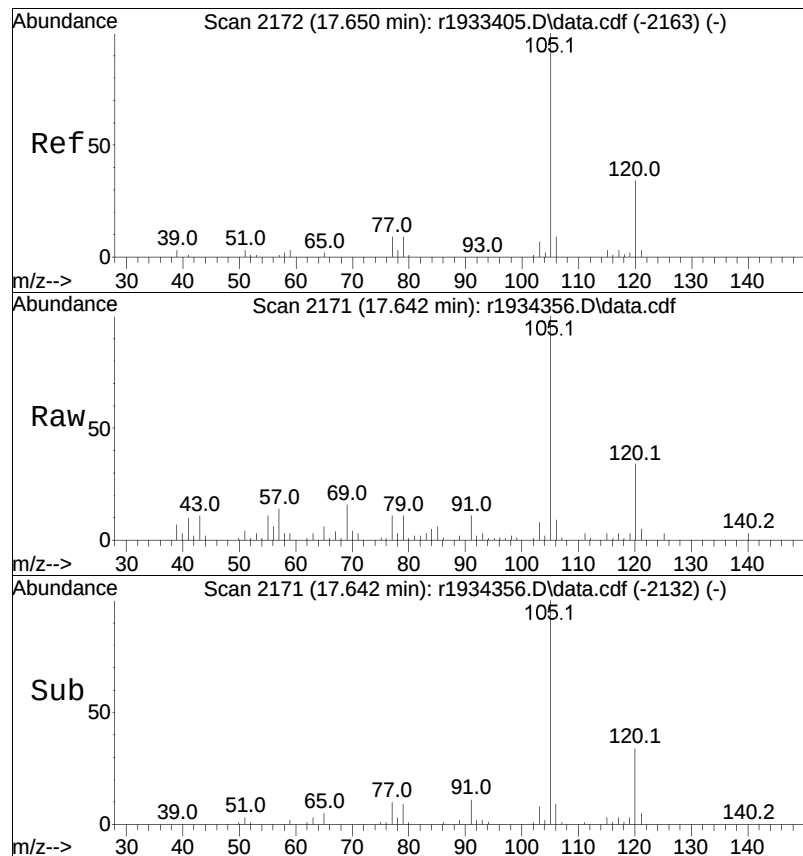




#87
 o-xylene
 Concen: 5.08 ppbV
 RT: 16.575 min Scan# 2043
 Delta R.T. 0.000 min
 Lab File: r1934356.D
 Acq: 8 May 2025 12:15 AM

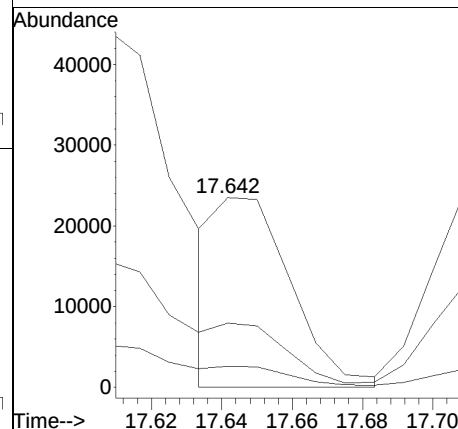
Tgt Ion: 91 Resp: 534963
 Ion Ratio Lower Upper
 91 100
 106 51.9 44.5 66.7

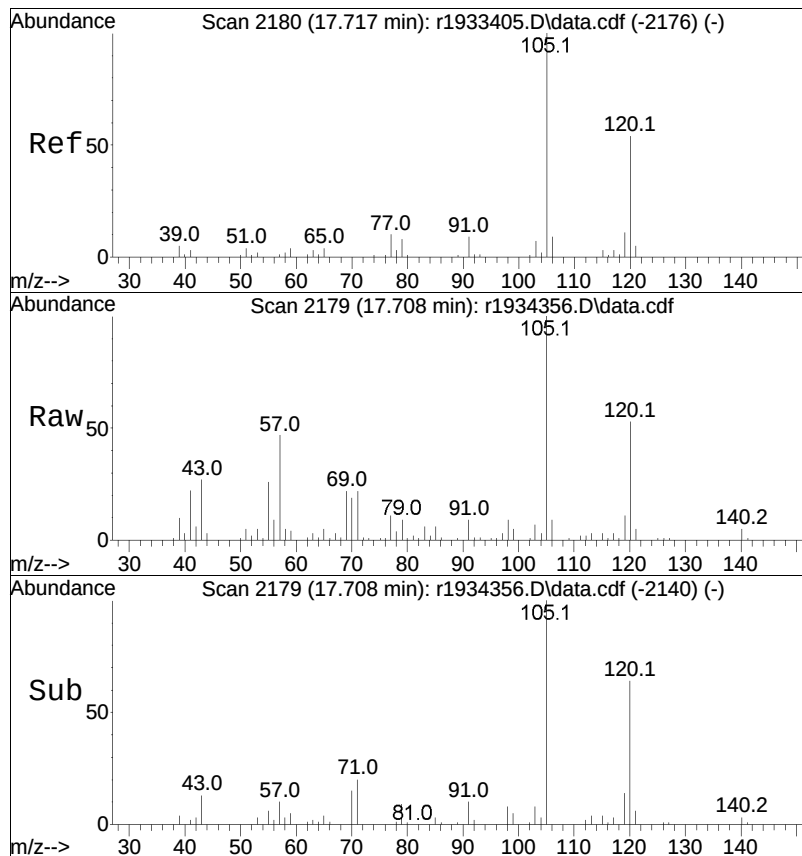




#96
 4-ethyl toluene
 Concen: 0.25 ppbV m
 RT: 17.642 min Scan# 2171
 Delta R.T. -0.008 min
 Lab File: r1934356.D
 Acq: 8 May 2025 12:15 AM

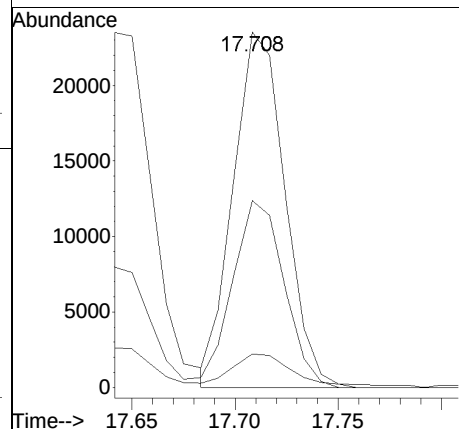
Tgt Ion:	105	Resp:	34810
Ion Ratio	Lower	Upper	
105	100		
120	33.9	27.0	40.6
91	11.2	7.8	11.8

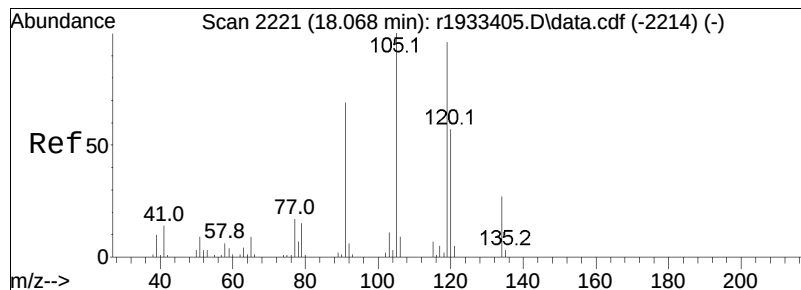




#97
 1,3,5-trimethylbenzene
 Concen: 0.34 ppbV
 RT: 17.708 min Scan# 2179
 Delta R.T. -0.008 min
 Lab File: r1934356.D
 Acq: 8 May 2025 12:15 AM

Tgt Ion:	105	Resp:	41125
Ion Ratio	Lower	Upper	
105	100		
120	52.5	42.5	63.7
91	9.4	7.4	11.2





#99

1,2,4-trimethylbenzene

Concen: 0.95 ppbV

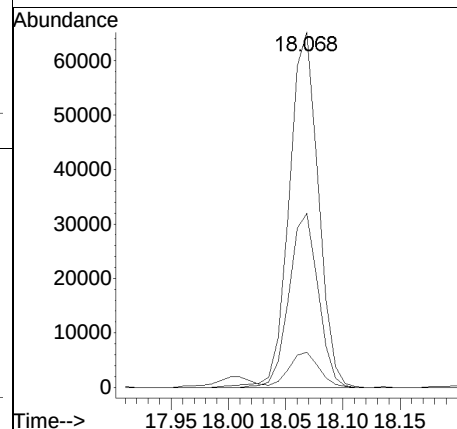
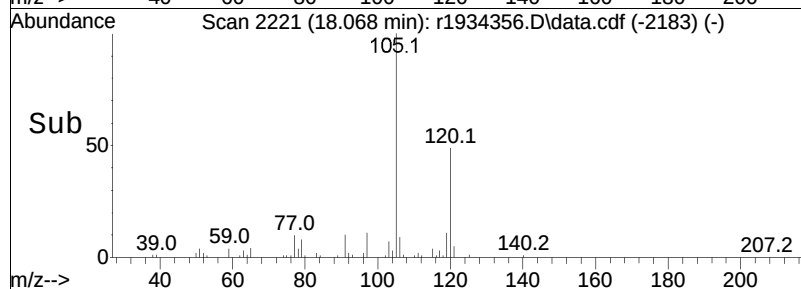
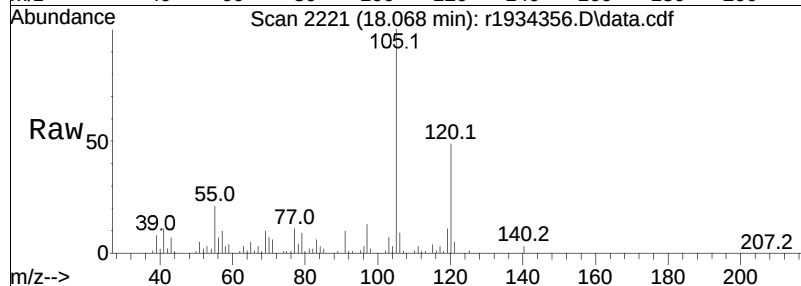
RT: 18.068 min Scan# 2221

Delta R.T. 0.000 min

Lab File: r1934356.D

Acq: 8 May 2025 12:15 AM

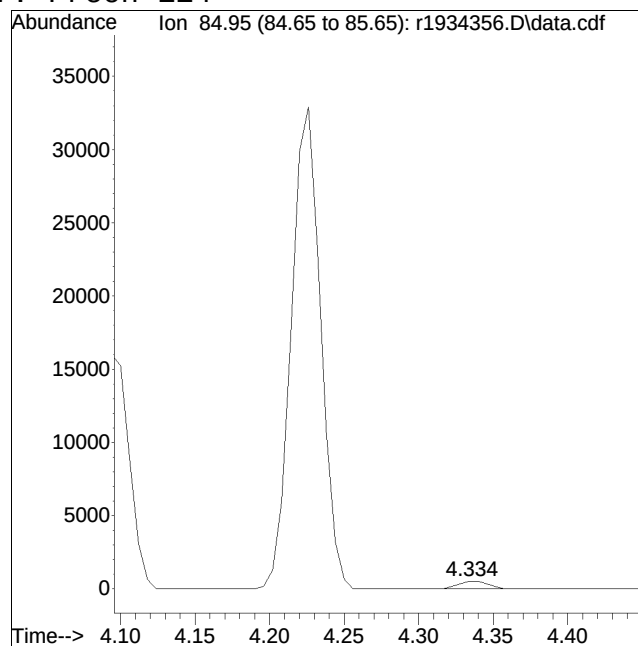
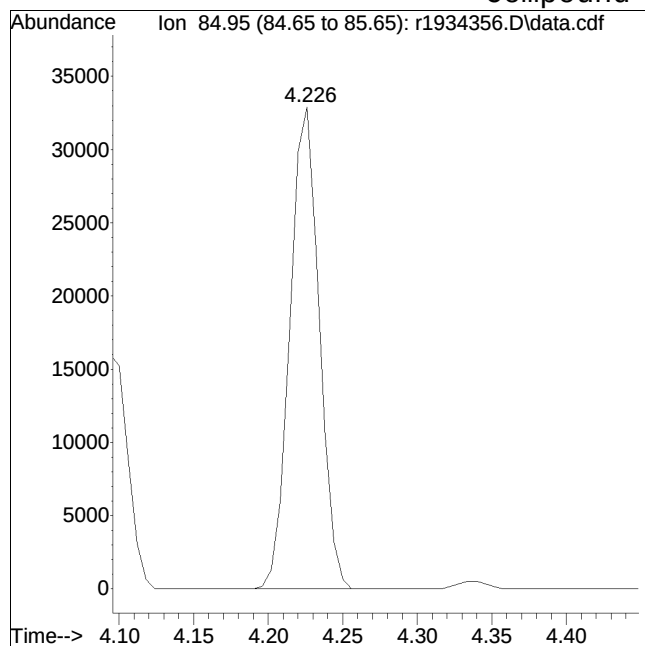
Tgt	Ion:105	Resp:	115650
Ion	Ratio	Lower	Upper
105	100		
120	49.0	45.8	68.6
91	9.9	55.0	82.6#



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934356.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 12:15 AM Instrument :
Sample : WG2063684-5,3,250,250 Quant Date : 5/8/2025 6:15 am

Compound #7: Freon-114



Original Peak Response = 45027

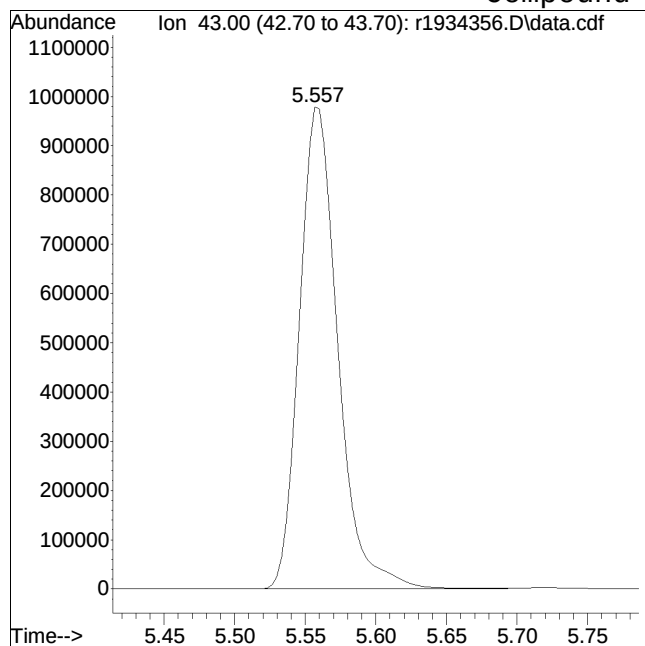
Manual Peak Response = 754 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

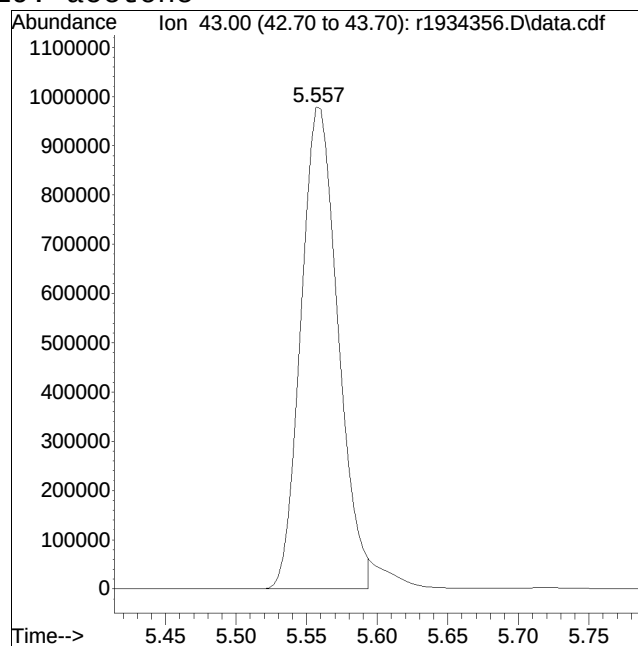
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934356.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 12:15 AM Instrument :
Sample : WG2063684-5,3,250,250 Quant Date : 5/8/2025 6:15 am

Compound #19: acetone



Original Peak Response = 1856267

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



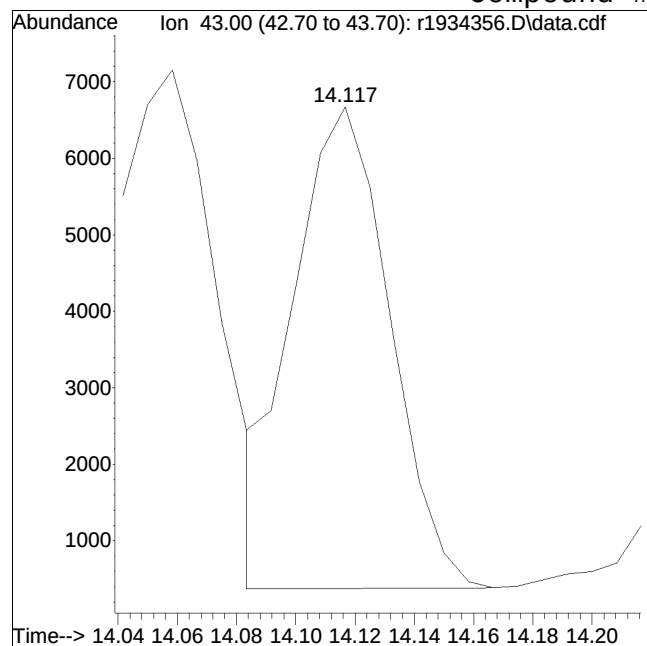
Manual Peak Response = 1787711 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

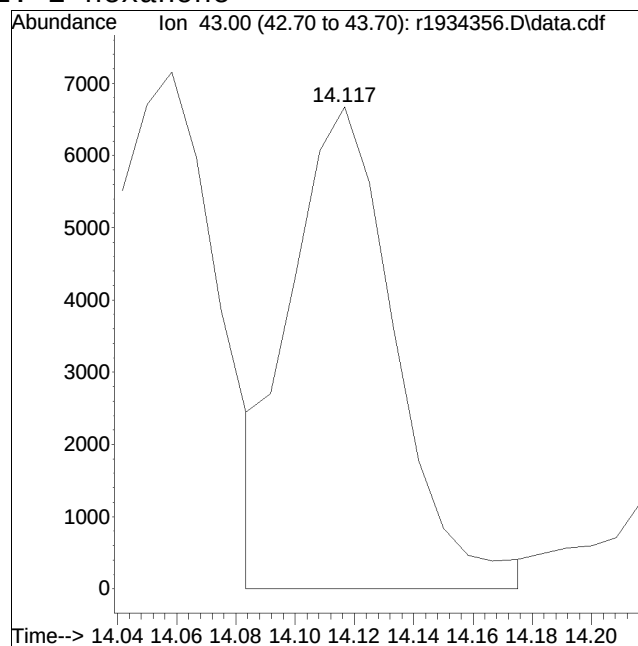
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934356.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 12:15 AM Instrument :
Sample : WG2063684-5,3,250,250 Quant Date : 5/8/2025 6:15 am

Compound #72: 2-hexanone



Original Peak Response = 14326

M4 = Poor automated baseline construction.

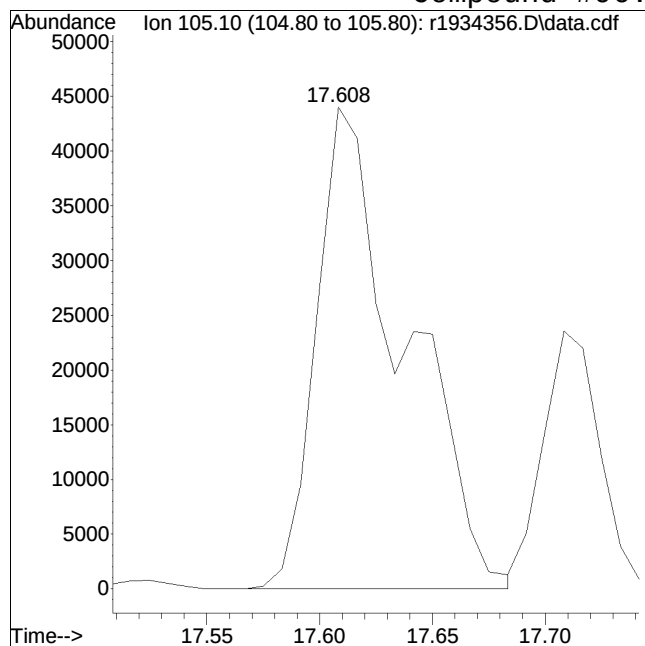


Manual Peak Response = 16420 M4

Manual Integration Report

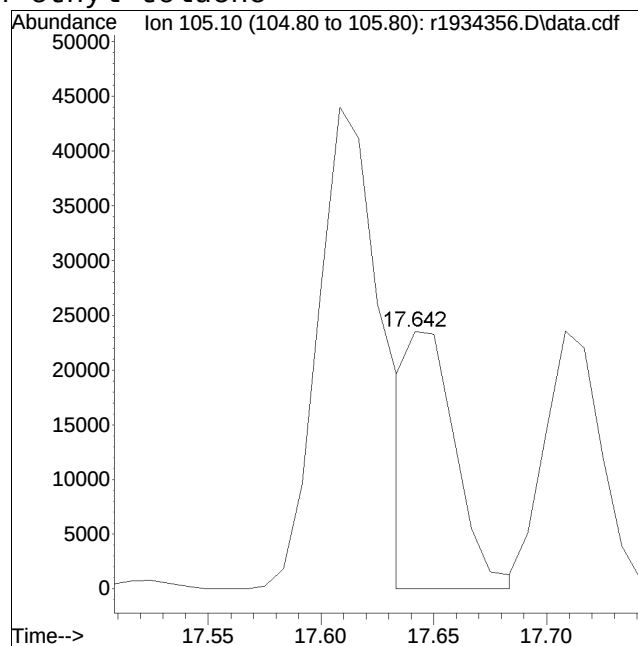
Data Path : X:\Airlab\Data\Airlab19\200Method : TFS19_250323.M
Data File : r1934356.D Operator : AIRLAB19:TPH
Date Inj'd : 5/8/2025 12:15 AM Instrument :
Sample : WG2063684-5,3,250,250 Quant Date : 5/8/2025 6:15 am

Compound #96: 4-ethyl toluene



Original Peak Response = 119862

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 34810 M6

Calculation of Volatile Organic Compounds in Air

The instrument will calculate the concentration (ppbv). If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, ppbv} = C_s \times \text{DF}$$

Where:

C_s = Concentration of sample (ppbv)

DF = Dilution Factor

Calculation of Instrument Dilution Factor

For dilutions, smaller sample volumes (< 250mL) are analyzed. The smallest volume that can be analyzed with accuracy is 10 mL.

Samples that arrive at the laboratory with pressures below -15 inches Hg must be pressurized with zero air to greater than -15 inches Hg. This pressurization results in a dilution factor.

Calculation of Dilution Factor

$$\text{DF} = V_{\text{cf}} / V_{\text{ci}}$$

Where:

V_{ci} = volume of air in canister prior to pressurization, L

P =

Conversion of ppbv to $\mu\text{g}/\text{m}^3$

$$\mu\text{g}/\text{m}^3 = (\text{ppbv}) \times \text{MW} / 24.47$$

Where:

24.47 = molar gas constant (g/g-mole)

MW = molecular weight of the compound of interest

Dilution Factor for Pressurization of Subatmospheric Samples: Three Steps

Step 1: Calculate the volume in the canister prior to pressurization (Assume a 2.7 liter canister is used).

Dilution Factor for Pressurization of Subatmospheric Samples: Three Steps

Step 1: Calculate the volume in the canister prior to pressurization (Assume a 2.7 liter canister is used).

$$V_{ci} = 2.7 * PI / 14.696$$

Step 2: Calculate the volume in the canister after pressurization.

$$V_{cf} = 2.7 * PF / 14.696$$

Step 3: Calculate the dilution factor.

$$DF = V_{cf} / V_{ci}$$

Where:

V_{ci} = volume of air in canister prior to pressurization, L

PI = pressure reading of canister prior to pressurization (psia)

V_{cf} = volume of air in canister after pressurization, L

PF = pressure reading of canister after pressurization (psia)

DF = dilution factor

14.696 = atmospheric pressure (psia)

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

May 08 2025, 11:39 am

Work Group: WG2063684 for Department: 3 GC/MS

Created: 07-MAY-25 Due: Operator: JMB

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2525337-01	SSVI-01_20250424	S T015-LL	SOIL_VAPOR	DONE	U	0524	0501	S0	Can-2.7
L2525337-02	SSVI-02_20250424	S T015-LL	SOIL_VAPOR	DONE	U	0524	0501	S0	Can-2.7
L2525337-03	SSVI-03_20250424	S T015-LL	SOIL_VAPOR	DONE	U	0524	0501	S0	Can-2.7
L2525337-04	SSVI-04_20250424	S T015-LL	SOIL_VAPOR	DONE	U	0524	0501	S0	Can-2.7
L2525337-05	SSVI-05_20250424	S T015-LL	SOIL_VAPOR	DONE	U	0524	0501	S0	Can-2.7
L2525337-06	SSVI-06_20250424	S T015-LL	SOIL_VAPOR	DONE	U	0524	0501	S0	Can-2.7
L2525337-07	SSVI-07_20250424	S T015-LL	SOIL_VAPOR	DONE	U	0524	0501	S0	Can-2.7
L2525337-08	SSVI-08_20250424	S T015-LL	SOIL_VAPOR	DONE	U	0524	0501	S0	Can-2.7
L2527100-01	SSV-1-B	S T015-LL	SOIL_VAPOR	DONE	U	0531	0507	3C	Can-2.7
L2527100-02	SSV-2-B	S T015-LL	SOIL_VAPOR	DONE	U	0531	0507	3C	Can-2.7
L2527100-03	SSV-3-B	S T015-LL	SOIL_VAPOR	DONE	U	0531	0507	3C	Can-2.7
WG2063684-1	MS BFB Tune Standard	S T015-LL	SOIL_VAPOR	DONE	U				
WG2063684-2	Continuing Calibrati	S T015-LL	SOIL_VAPOR	DONE	U				
WG2063684-3	Laboratory Control S	S T015-LL	SOIL_VAPOR	DONE	U				
WG2063684-4	Laboratory Method Bl	S T015-LL	SOIL_VAPOR	DONE	U				
WG2063684-5	Duplicate Sample	S T015-LL	SOIL_VAPOR	DONE	U				
Comments:									
WG2063684-5	L2527100-03								

t ID: AIRLAB19

Internal Standard/Surrogate IDs: SS23-026 / SS23-018

Date: 03/23/2025

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: APR

Sequence File Name: 250323.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ sublist	Leak Che ck Pas s ? Y/N
1	TA19032301	TO15_SFS.qgm	R1933397.qgd	250 mL	TUNE		NA
5	ITO15-SIMSTD0.02	TO15_SFS.qgm	R1933398.qgd	50 mL SS24-035D	SIM ONLY	DEF	NA
5	ITO15-SIMSTD0.05	TO15_SFS.qgm	R1933399.qgd	125 mL SS24-035D	SIM ONLY	DEF	NA
5	ITO15-SIMSTD0.1	TO15_SFS.qgm	R1933400.qgd	250 mL SS24-035D	SIM ONLY	DEF	NA
6	ITO15-SIMSTD0.2	TO15_SFS.qgm	R1933401.qgd	50 mL SS2-035C		DEF	NA
6	ITO15-SIMSTD0.5	TO15_SFS.qgm	R1933402.qgd	125 mL SS24-035C		DEF	NA
6	ITO15-SIMSTD1.0	TO15_SFS.qgm	R1933403.qgd	250 mL SS24-035C		DEF	NA
7	ITO15-SIMSTD5.0	TO15_SFS.qgm	R1933404.qgd	125 mL SS24-035B		DEF	NA
7	ITO15-SIMSTD010	TO15_SFS.qgm	R1933405.qgd	250 mL SS24-035B		DEF	NA
7	ITO15-SIMSTD020	TO15_SFS.qgm	R1933406.qgd	50 mL SS24-035A		DEF	NA
8	ITO15-SIMSTD050	TO15_SFS.qgm	R1933407.qgd	125 mL SS24-035A		DEF	NA
8	ITO15-LLSTD100	TO15_SFS.qgm	R1933408.qgd	250 mL SS24-035A	LL ONLY	DEF	NA
12	BA19032301	TO15_SFS.qgm	R1933409.qgd	250 mL			NA
1	BA19032302	TO15_SFS.qgm	R1933410.qgd	250 mL			NA
2	CTO15-LLSTD10.0	TO15_SFS.qgm	R1933411.qgd	250 mL SS25-006C	LL ICV	DEF	NA
2	CTO15-SIMSTD5.0	TO15_SFS.qgm	R1933412.qgd	125 mL SS25-006C		do not use	NA
2	CTO15-SIMSTD5.0	TO15_SFS.qgm	R1933413.qgd	125 mL SS25-006C	SIM ICV	DEF	NA

t ID: AIRLAB19

Internal Standard/Surrogate IDs: SS23-026 / SS23-018

Date: 05/07/2025

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: JMB

Sequence File Name: 250507.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ sublist	Leak Che ck Pass ? Y/N
1	TA19042001	TO15_SFS.qgm	R1934339.qgd	250 mL	TUNE		NA
3	CA19042001	TO15_SFS.qgm	R1934340.qgd	250 mL SS24-042A	LL CC		NA
4	CTO15-LLISTD10.0	TO15_SFS.qgm	R1934341.qgd	250 mL SS25-005A	LL LCS		NA
4	CTO15-SIMISTD5.0	TO15_SFS.qgm	R1934342.qgd	125 mL SS25-005A	SIM LCS		NA
1	BA19042001	TO15_SFS.qgm	R1934343.qgd	250 mL	LL BLANK		NA
1	BA19042001	TO15_SFS.qgm	R1934344.qgd	250 mL	SIM BLANK		NA
1	L2527124-01,3,250,250	TO15_SFS.qgm	R1934345.qgd	WG2063686,ICAL22124		NJ_NEW	Y
2	L2527124-07,3,250,250	TO15_SFS.qgm	R1934346.qgd	WG2063686,ICAL22124		NJ_NEW	Y
3	L2527124-03,3,250,250	TO15_SFS.qgm	R1934347.qgd	WG2063686,ICAL22124		NJ_NEW	Y
4	L2527124-02,3,250,250	TO15_SFS.qgm	R1934348.qgd	WG2063686,ICAL22124		NJ_NEW	Y
5	L2527124-05,3,250,250	TO15_SFS.qgm	R1934349.qgd	WG2063686,ICAL22124		NJ_NEW	Y
6	L2527124-06,3,250,250	TO15_SFS.qgm	R1934350.qgd	WG2063686,ICAL22124		NJ_NEW	Y
7	L2527124-04D,3,101.69,250	TO15_SFS.qgm	R1934351.qgd	WG2063686,ICAL22124		NJ_NEW	Y
8	L2527124-08D,3,100.00,250	TO15_SFS.qgm	R1934352.qgd	WG2063686,ICAL22124		NJ_NEW	Y
9	L2527100-01,3,250,250	TO15_SFS.qgm	R1934353.qgd	WG2063684,ICAL22124		NY+NAPH	Y
10	L2527100-02,3,250,250	TO15_SFS.qgm	R1934354.qgd	WG2063684,ICAL22124		NY+NAPH	Y
11	L2527100-03,3,250,250	TO15_SFS.qgm	R1934355.qgd	WG2063684,ICAL22124		NY+NAPH	Y
11	L2527100-03DUP,3,250,250	TO15_SFS.qgm	R1934356.qgd	WG2063684,ICAL22124	(DUMMY) LL DUP	NY+NAPH	Y
12	L2525337-01,3,250,250	TO15_SFS.qgm	R1934357.qgd	WG2063684,ICAL22124		NY+NAPH	Y

ATTACHMENT C
DUSR

DATA USABILITY SUMMARY REPORT (DUSR)

ORGANIC ANALYSIS

**EPA Compendium Method TO-15
VOLATILES BY GC/MS
For Soil Vapor Air Samples
Collected April 24, 2025
From 485 Van Sinderen Avenue
Brooklyn, New York
AKRF, Inc.
Project No: 170447**

**SAMPLE DELIVERY GROUP NUMBER:
L2525337
Alpha/Pace Analytical (ELAP #11148)**

SUBMITTED TO:

**Timothy McClintock/AKRF, Inc.
440 Park Avenue South, 7th Floor
New York, NY 10016**

cc: Chad Walters/AKRF, Inc.

May 31, 2025

PREPARED BY:

**Lori A. Beyer/President
L.A.B. Validation Corp.
14 West Point Drive
East Northport, NY 11731**

Lori A. Beyer

485 Van Sinderen Avenue; Brooklyn, New York; April 2025
Data Validation Report: Volatile Organics by EPA Method TO15

Table of Contents:

Introduction
Data Qualifier Definitions
Sample Receipt

- 1.0 Volatile Organics by GC/MS EPA Compendium Method TO-15
 - 1.1 Holding Time
 - 1.2 Surrogate Standards
 - 1.3 Matrix Spikes (MS), Matrix Spike Duplicates (MSD), Laboratory Duplicate, Field Duplicate Analysis
 - 1.4 Laboratory Control Sample
 - 1.5 Blank Contamination
 - 1.6 GC/MS Instrument Performance Check
 - 1.7 Initial and Continuing Calibrations
 - 1.8 Internal Standards
 - 1.9 Target Compound List Identification
 - 1.10 Tentatively Identified Compounds
 - 1.11 Compound Quantification and Reported Detection Limits
 - 1.12 Overall System Performance

APPENDICES:

- A. Chain of Custody Document
- B. Case Narrative
- C. Data Summary Form Is with Qualifications

Introduction:

A validation was performed on soil vapor air samples for Volatile Organic analysis collected by AKRF, Inc. and submitted to Alpha/Pace Analytical for subsequent analysis under chain of custody documentation. This report contains the laboratory and validation results for the field samples itemized below. The samples were collected on April 24, 2025.

The samples were analyzed by EPA Method TO-15 and in accordance with NYSDEC Analytical Services Protocol (2005) and submitted under NYSDEC ASP Category B equivalent deliverable requirements for the associated analytical methodology employed. The analytical testing consisted of the TO-15 Compound List.

The data was evaluated in accordance with the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (Publication 9240.1-05), EPA SOP #HW31 (Revision 6-Updated September 2016) and in conjunction with the analytical methodology for which the samples were analyzed, where applicable and relevant.

The data validation report pertains to the following air samples:

Sample Identification	Laboratory Identification	Sample Matrix (Air Type)	Collection Date
SSV1-01 20250424	L252337-01	Soil Vapor	04/24/2025
SSV1-02 20250424	L252337-02	Soil Vapor	04/24/2025
SSV1-03 20250424	L252337-03	Soil Vapor	04/24/2025
SSV1-04 20250424	L252337-04	Soil Vapor	04/24/2025
SSV1-05 20250424	L252337-05	Soil Vapor	04/24/2025
SSV1-06 20250424	L252337-06	Soil Vapor	04/24/2025
SSV1-07 20250424	L252337-07	Soil Vapor	04/24/2025
SSV1-08 20250424	L252337-08	Soil Vapor	04/24/2025

Data Qualifier Definitions:

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

- U - The analyte was analyzed for but was not detected above the reported sample quantitation limit.
- J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ - The result is an estimated quantity, but the result may be biased high.(Equis qualified JK)
- J- - The result is an estimated quantity, but the result may be biased low. (Equis qualified, JL)
- NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- UJ - The analyte was analyzed for but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- R - The data is unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.
- D - Analyte concentration was obtained from diluted analysis.

Sample Receipt:

The Chain of Custody document indicates that the air samples were received following completion of the sampling event via laboratory courier on April 24, 2025. Sample login notes and the chain of custody indicate that at the Validated Time of Sample Receipt (VTSR) at the laboratory no discrepancies were notated and therefore the integrity of the summa canister samples is assumed to be good.

The initial pressure gauge is recorded on the chain of custody document and required to be approximately 30 psi with zero air. An acceptable initial canister pressure was observed for these samples. All canisters pass the leak check requirements.

The data summary Form I's included in Appendix C includes all usable (qualified) and unusable (rejected) results for the samples identified above and summarizes the detailed narrative section of the report. Data validation qualifications have been reported on Form I's for ease of review and verification.

NOTE:

L.A.B. Validation Corp. believes it is appropriate to note that the data validation criteria utilized for data evaluation is different than the method requirements utilized by the laboratory. Qualified data does not necessarily mean that the laboratory was non-compliant in the analysis that was performed.

1.0 Volatile Organics by EPA Compendium Method TO-15

The following method criteria were reviewed: holding times, surrogate standards, LCS, Blanks, Laboratory Duplicate, Tunes, Calibrations, Internal Standards, Target Component Identification and Quantitation, Reported Quantitation Limits and Overall System Performance. The volatile results are valid and useable as noted on the data summary table in Appendix C and within the following text:

1.1 Holding Time

The amount of analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J." The non-detects (sample quantitation limits) are required to be flagged as estimated, "J," or unusable, "R," if the holding times are grossly exceeded.

Samples were analyzed within the method and technical required holding times of thirty (30) days from sample collection for analysis. No qualifications were required based upon holding time criteria.

1.2 Surrogate Standards

All samples are spiked with surrogate compounds prior to sample analysis to evaluate overall laboratory performance and efficiency of the analytical technique. If the measure of surrogate concentrations is outside contract specifications, qualifications are required to be applied to associated samples and analytes.

Samples were not spiked with surrogate standards. Method TO15 does not mandate the addition of surrogate standards.

1.3 Matrix Spikes (MS)/ Matrix Spike Duplicates (MSD)/Laboratory Duplicate /Field Duplicate Analysis

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices.

Matrix Spike/Matrix Spike Duplicate/Laboratory Duplicate/Field Duplicate analysis was not performed on samples pertaining to this SDG. Batch Laboratory duplicate was provided in the lab report. Data was not qualified based on samples collected from a different site.

When performed, an acceptable precision for air samples is 25%. The following criteria are utilized for Field/Lab Duplicate analysis:

Criteria	Detected Compounds	Non-Detected Compounds
The RPD is within the limits of 0 and 25%	No qualification	No qualification
The RPD >25%	J in the parent and duplicate samples	Not applicable
The RPD could not be calculated since the compound was only detected in either the parent or duplicate sample. However, the detected concentration was $\leq 2x$ the reporting limit	No qualification	No qualification
The RPD could not be calculated since the compound was only detected in either the parent or duplicate sample. However, the detected concentration was $> 2x$ the reporting limit.	J in the parent and duplicate sample	UJ in the parent of duplicate sample

1.4 Laboratory Control Sample

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance. The following table summarizes the LCS criteria and the data qualification guidelines for all associated field samples.

LCS	NOT QUALIFIED	J	R
% Recovery:			
Defects	70-130%	<70%, >130%	
Non-Detects	$\geq 130\%$	50-69%	<50%
Absolute RT of LCS Compounds:			
LCS Compounds in samples RT: (min)	± 0.33		≥ 0.33

Acceptable LCS was analyzed with the analytical batch. Recovery values for all spiked compounds were determined to be $>70\%$ - $<130\%$. No qualifiers were applied.

1.5 Blank Contamination

Quality assurance (QA) blanks, i.e., method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross-contamination of samples during field operations. Storage blanks measure cross-contamination during sample storage of the field samples and are not required for TO15 analysis. Canister blanks measure cross-contamination from the sampling media. The following table was utilized to qualify target analyte results due to method blank contamination. The largest value of all the associated blanks is required to be utilized. The largest value of all the associated blanks is required to be utilized:

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Storage, Field, Trip, Instrument	Detects	Not Detected	No qualification required
	<CRQL*	<CRQL*	Report CRQL value with a U
		>= CRQL* and <2x the CRQL**	No qualification required
	>CRQL*	<= CRQL*	Report CRQL value with a U
		>=CRQL* and <= blank concentration	Report blank value for sample concentration with a U
		>= CRQL* and > blank concentration	No qualification required
	=CRQL*	<= CRQL*	Report CRQL value with a U
		>CRQL*	No qualification required
	Gross Contamination**	Detects	Report blank value for sample concentration with a U

*2x the CRQL for methylene chloride, 2-butanone, and acetone.

**4x the CRQL for methylene chloride, 2-butanone, and acetone

***Qualifications based on instrument blank results affect only the sample analyzed immediately after the sample that has target compounds that exceed the calibration range.

Certification Blanks:

Certification Contamination	Sample Result	Action for Sample
>=detect limit	>5x certification contamination	No qualification required
>=detect limit	<detect limit	Detection limit "U"
>=detect limit	>=detect limit and <= 5x certification contamination level	5x certification contamination "U"
<detect limit	<=detection limit and >= detection limit	No qualification

Below is a summary of the compounds in the sample and the associated qualifications that have been applied:

A) Method Blank Contamination:

Method/Certification blanks were determined to be free of any contamination.

**Acetone and 2-Butanone are common laboratory contaminants. The end user should proceed with caution when making decisions based on these detections in field samples that could not be negated due to lack of presence in the corresponding blanks.*

B) Field Blank Contamination:

Field Blank analysis was not required.

C) Trip Blank Contamination:

Trip Blank analysis was not required.

1.6 GC/MS Instrument Performance Check

GC/MS tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for volatile organics is Bromofluorobenzene (BFB).

Instrument performance was generated within acceptable limits and frequency (24 hours) for Bromofluorobenzene (BFB) for all analyses.

1.7 Initial and Continuing Calibrations

Satisfactory instrument calibration is established to ensure that the instrument can produce acceptable quantitative data. An initial calibration demonstrates that the instrument can give acceptable performance at the beginning of an experimental sequence. The continuing calibration checks support that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be ≥ 0.05 in both initial and continuing calibrations. A value < 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J." All non-detects for that compound in the corresponding samples will be rejected, "R."

The following compounds can be > 0.01 without qualification:

2-Butanone
Carbon Disulfide
Chloroethane
Chloromethane
1,2-Dibromoethane
1,2-Dichloropropane
1,4-Dioxane
1,2-Dibromo-3-chloropropane
Methylene Chloride

Response factors for the target analytes reported were found to be within acceptable limits (≥ 0.05) [or ≥ 0.01 for the 9 compounds above] and remaining analytes, for the initial and continuing calibrations.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be $<30\%$ and %D must be $<30\%$. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ." If %RSD and %D grossly exceed QC criteria ($>90\%$), non-detect data may be qualified, "R", unusable. Additionally, in cases where the %RSD is $>30\%$ and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to 30% then positive results are qualified, "J". In cases where removal of either the low or high point restores the linearity, then only low or high-level results will be qualified, "J" in the portion of the curve where non-linearity exists. Acceptable ICV was analyzed.

Initial Calibrations: The initial calibrations provided and the %RSD were within acceptable limits (30%) and (40%) for poor responders for target compounds except for Hexane (33.96%). Hexane detections in all samples have been qualified, estimated, "J." Initial calibration verification (ICV); second source standard met QC requirements for all compounds.

Continuing Calibrations: The continuing calibrations provided and the %D were within acceptable limits (30%) and (40%) for poor responders for all reported compounds.

1.8 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-40% to $+40\%$) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than ± 20 seconds from the associated continuing calibration standard. If the area count is outside the (-40% to $+40\%$) range of the associated standard, all positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 20 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

Internal Standard area responses met QC requirements for all analysis pertaining to this data set as compared to the continuing calibration.

1.9 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

GC/MS spectra met the qualitative criteria for identification. Retention times were within required specifications.

1.10 Tentatively Identified Compounds (TICs)

TICs were not required for this project. When submitted, the identification must be considered tentative (both quantitative and qualitative) due to the lack of required compound specific response factors. Consequently, all concentrations should be considered estimated, "J" and because of the qualitative uncertainty should be qualified, "N" where an identification has been made.

TICs were not required with this data set. The sample chromatograms demonstrate late eluting non-target presence.

1.11 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is acceptable. Correct internal standards and response factors and air volumes were used to calculate final concentrations.

Sample results have been presented in ug/m³ as well as ppbv on the laboratory reporting forms. Soil Vapor samples SSVI-06_20250424 (30ml) and SSVI-07_20250424 (125mls) were analyzed at reduced volumes as notated on the reporting form due to raw elevated Trichloroethene concentrations. Reporting limits have been adjusted accordingly. There is potential that lower-level detections were lost in dilutions.

1.12 Overall System Performance

GC/MS analytical methodology was acceptable for this analysis. The data reported agrees with the raw data provided in the final report. The laboratory provided a complete data package and reported all data using acceptable protocols and laboratory qualifiers as defined in the report package.

Reviewer's Signature

Lou A. Bu

Date

05/31/2025

Appendix A
Chain of Custody Document

**Appendix B
Case Narrative**

Project Name: 485 VAN SINDEREN AVENUE
Project Number: 170447

Lab Number: L2525337
Report Date: 05/08/25

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 Pace 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, Pace'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 Pace 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: 485 VAN SINDEREN AVENUE
Project Number: 170447

Lab Number: L2525337
Report Date: 05/08/25

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on April 24, 2025. The canister certification data is provided as an addendum.

L2525337-06D and -07D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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:



Report Date: 05/09/25

Title: Technical Director/Representative

L.A.B. Validation Corp. 14 West Point Drive, East Northport, N.Y. 11731

**Appendix C
Data Summary Form I's
With Qualifications**

Phone (516) 523-7891 email LABValidation@aol.com

Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-01
Client ID : SSVI-01_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1934357
Sample Amount : 250 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 12:32
Date Received : 04/24/25
Date Analyzed : 05/08/25 00:54
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.414	0.200	--	2.05	0.989	--	
74-87-3	Chloromethane	0.338	0.200	--	0.698	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	0.432	0.200	--	0.956	0.442	--	
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	87.6	1.00	--	208	2.38	--	
75-69-4	Trichlorofluoromethane	0.200	0.200	--	1.12	1.12	--	
67-63-0	Isopropanol	7.19	1.00	--	17.7	2.46	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	5.74	0.500	--	17.4	1.52	--	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.449	0.200	--	1.40	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	2.50	0.500	--	7.37	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U

John B...
5/30/2025
Pace

Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-01
Client ID : SSVI-01_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY
11207
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1934357
Sample Amount : 250 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 12:32
Date Received : 04/24/25
Date Analyzed : 05/08/25 00:54
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.902	0.200	--	3.18	0.705	--	J
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	0.532	0.200	--	1.70	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	0.309	0.200	--	1.06	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	2.67	0.200	--	14.3	1.07	--	
540-84-1	2,2,4-Trimethylpentane	0.421	0.200	--	1.97	0.934	--	
142-82-5	Heptane	0.799	0.200	--	3.27	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	7.48	0.200	--	28.2	0.754	--	
591-78-6	2-Hexanone	0.294	0.200	--	1.20	0.820	--	
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	19.8	0.200	--	134	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U

John B. Pace
5/30/2025

Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-01
Client ID : SSVI-01_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY
11207
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1934357
Sample Amount : 250 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 12:32
Date Received : 04/24/25
Date Analyzed : 05/08/25 00:54
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
100-41-4	Ethylbenzene	1.17	0.200	--	5.08	0.869	--	
179601-23-1	p/m-Xylene	5.10	0.400	--	22.2	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	0.801	0.200	--	3.41	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	2.17	0.200	--	9.43	0.869	--	
622-96-8	4-Ethyltoluene	0.440	0.200	--	2.16	0.983	--	
106-67-8	1,3,5-Trimethylbenzene	0.523	0.200	--	2.57	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.48	0.200	--	7.28	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.190	--	ND	0.996	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Sou'Be
5/30/25


Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-02
Client ID : SSVI-02_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY
11207
Sample Matrix : SOIL VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1934358
Sample Amount : 250 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 12:32
Date Received : 04/24/25
Date Analyzed : 05/08/25 01:34

Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.434	0.200	--	2.15	0.989	--	
74-87-3	Chloromethane	0.242	0.200	--	0.500	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	0.808	0.200	--	1.79	0.442	--	
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.674	--	U
67-64-1	Acetone	97.0	1.00	--	230	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	6.62	1.00	--	16.3	2.46	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	7.12	0.500	--	21.6	1.52	--	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.225	0.200	--	0.701	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.77	0.500	--	5.22	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U

John B.
8/30/2024 *Pace*

Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-02
Client ID : SSVI-02_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY
11207
Sample Matrix : SOIL VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1934358
Sample Amount : 250 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 12:32
Date Received : 04/24/25
Date Analyzed : 05/08/25 01:34
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-66-3	Chloroform	0.282	0.200	--	1.38	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	1.19	0.200	--	4.19	0.705	--	J
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	0.637	0.200	--	2.04	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	0.465	0.200	--	1.60	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	12.3	0.200	--	66.1	1.07	--	
540-84-1	2,2,4-Trimethylpentane	0.735	0.200	--	3.43	0.934	--	
142-82-5	Heptane	1.24	0.200	--	5.08	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	7.72	0.200	--	29.1	0.754	--	
591-78-6	2-Hexanone	0.499	0.200	--	2.04	0.820	--	
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	23.6	0.200	--	160	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U

Joe Bg
5/30/2025 Pace

Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-02
Client ID : SSVI-02_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY
11207
Sample Matrix : SOIL VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1934358
Sample Amount : 250 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 12:32
Date Received : 04/24/25
Date Analyzed : 05/08/25 01:34
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
100-41-4	Ethylbenzene	1.31	0.200	--	5.69	0.869	--	
179601-23-1	p/m-Xylene	5.57	0.400	--	24.2	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	0.814	0.200	--	3.47	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	2.64	0.200	--	11.5	0.869	--	
622-96-8	4-Ethyltoluene	0.563	0.200	--	2.77	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.757	0.200	--	3.72	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	2.22	0.200	--	10.9	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.190	--	ND	0.996	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

John B.
5/30/2025
Pace

Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-03
Client ID : SSVI-03_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY
11207
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1934359
Sample Amount : 250 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 12:34
Date Received : 04/24/25
Date Analyzed : 05/08/25 02:13

Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.403	0.200	--	1.99	0.989	--	
74-87-3	Chloromethane	0.325	0.200	--	0.671	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	3.39	0.200	--	7.50	0.442	--	
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	18.7	5.00	--	35.2	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	108	1.00	--	257	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	30.9	1.00	--	76.0	2.46	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	7.73	0.500	--	23.4	1.52	--	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	1.70	0.200	--	5.29	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	2.54	0.500	--	7.49	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U

Paul Bg
5/30/2025

Pace

Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-03
Client ID : SSVI-03_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1934359
Sample Amount : 250 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 12:34
Date Received : 04/24/25
Date Analyzed : 05/08/25 02:13
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-66-3	Chloroform	0.835	0.200	--	4.08	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	5.34	0.200	--	18.8	0.705	--	J
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	1.29	0.200	--	4.12	0.639	--	
56-23-6	Carbon tetrachloride	0.389	0.200	--	2.45	1.26	--	
110-82-7	Cyclohexane	0.608	0.200	--	2.09	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	49.7	0.200	--	267	1.07	--	
540-84-1	2,2,4-Trimethylpentane	0.634	0.200	--	2.96	0.934	--	
142-82-5	Heptane	1.23	0.200	--	5.04	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	8.63	0.200	--	32.5	0.754	--	
591-78-6	2-Hexanone	0.542	0.200	--	2.22	0.820	--	
124-46-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	10.1	0.200	--	68.5	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U

Yoni Ber
5/30/2025 *Pace*

Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-03
Client ID : SSVI-03_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY
11207
Sample Matrix : SOIL VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1934359
Sample Amount : 250 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 12:34
Date Received : 04/24/25
Date Analyzed : 05/08/25 02:13
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
100-41-4	Ethylbenzene	1.25	0.200	--	5.43	0.869	--	
179601-23-1	p/m-Xylene	5.13	0.400	--	22.3	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	0.866	0.200	--	3.69	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	2.20	0.200	--	9.56	0.869	--	
622-96-8	4-Ethyltoluene	0.577	0.200	--	2.84	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.520	0.200	--	2.56	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.42	0.200	--	6.98	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.190	--	ND	0.996	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

John Br
5/30/2025 *Pace*

Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-04
Client ID : SSVI-04_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY
11207
Sample Matrix : SOIL VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1934360
Sample Amount : 250 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 12:35
Date Received : 04/24/25
Date Analyzed : 05/08/25 02:52
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.456	0.200	--	2.25	0.989	--	
74-87-3	Chloromethane	0.250	0.200	--	0.516	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	6.44	0.200	--	14.2	0.442	--	
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	10.0	5.00	--	18.8	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	107	1.00	--	254	2.38	--	
75-69-4	Trichlorofluoromethane	0.205	0.200	--	1.15	1.12	--	
67-63-0	Isopropanol	8.83	1.00	--	21.7	2.46	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	10.4	0.500	--	31.5	1.52	--	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.730	0.200	--	2.27	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	2.70	0.500	--	7.96	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U

Paul Bg
5/30/2025
Pace

Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-04
Client ID : SSVI-04_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY
11207
Sample Matrix : SOIL VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1934360
Sample Amount : 250 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 12:35
Date Received : 04/24/25
Date Analyzed : 05/08/25 02:52
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	2.88	0.200	--	10.2	0.705	--	J
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	1.73	0.200	--	5.53	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	0.435	0.200	--	1.50	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	22.0	0.200	--	118	1.07	--	
540-84-1	2,2,4-Trimethylpentane	0.391	0.200	--	1.83	0.934	--	
142-82-5	Heptane	1.98	0.200	--	8.11	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	10.8	0.200	--	40.7	0.754	--	
591-78-6	2-Hexanone	0.733	0.200	--	3.00	0.820	--	
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	12.2	0.200	--	82.7	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U

Louie
5/30/2025 *Pace*

Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-04
Client ID : SSVI-04_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY
11207
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1934360
Sample Amount : 250 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 12:35
Date Received : 04/24/25
Date Analyzed : 05/08/25 02:52
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
100-41-4	Ethylbenzene	1.70	0.200	--	7.38	0.869	--	
179601-23-1	p/m-Xylene	7.18	0.400	--	31.2	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	1.21	0.200	--	5.15	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	3.04	0.200	--	13.2	0.869	--	
622-96-8	4-Ethyltoluene	0.755	0.200	--	3.71	0.983	--	
100-67-8	1,3,5-Trimethylbenzene	0.722	0.200	--	3.55	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.97	0.200	--	9.68	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.190	--	ND	0.996	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

you Bc
5/30/2025
Pace

Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-05
Client ID : SSVI-05_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY
11207
Sample Matrix : SOIL VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1934361
Sample Amount : 250 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 12:36
Date Received : 04/24/25
Date Analyzed : 05/08/25 03:32
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.407	0.200	--	2.01	0.989	--	
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	1.63	0.200	--	3.61	0.442	--	
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-6	Ethanol	5.52	5.00	--	10.4	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.674	--	U
67-64-1	Acetone	25.7	1.00	--	61.0	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	5.75	1.00	--	14.1	2.46	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	2.25	0.500	--	6.82	1.52	--	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.507	0.200	--	1.58	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.48	0.500	--	4.36	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U

Paul Bx
5/30/25

Pace

Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-05
Client ID : SSVI-05_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY
11207
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1934361
Sample Amount : 250 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 12:36
Date Received : 04/24/25
Date Analyzed : 05/08/25 03:32
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	Results	ppbV		Results	ug/m3		Qualifier
			RL	MDL		RL	MDL	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	1.49	0.200	--	5.25	0.705	--	J
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	0.616	0.200	--	1.97	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	0.289	0.200	--	0.995	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	12.7	0.200	--	68.3	1.07	--	
540-84-1	2,2,4-Trimethylpentane	0.266	0.200	--	1.24	0.934	--	
142-82-5	Heptane	0.950	0.200	--	3.89	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	6.43	0.200	--	24.2	0.754	--	
591-78-6	2-Hexanone	0.266	0.200	--	1.09	0.820	--	
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	12.5	0.200	--	84.8	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U

Soil Bg-573112025
Pace

Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-05
Client ID : SSVI-05_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY
11207
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1934361
Sample Amount : 250 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 12:36
Date Received : 04/24/25
Date Analyzed : 05/08/25 03:32
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
100-41-4	Ethylbenzene	1.12	0.200	--	4.86	0.869	--	
179601-23-1	p/m-Xylene	4.96	0.400	--	21.5	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	0.853	0.200	--	3.63	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	2.20	0.200	--	9.56	0.869	--	
622-96-8	4-Ethyltoluene	0.617	0.200	--	3.03	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.685	0.200	--	3.37	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.94	0.200	--	9.54	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.190	--	ND	0.996	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

John B...
5/30/2025


Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-06D
Client ID : SSVI-06_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY
11207
Sample Matrix : SOIL_VAPOR
Analytical Method : 48.TO-15
Lab File ID : R1934362
Sample Amount : 30.0 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 12:36
Date Received : 04/24/25
Date Analyzed : 05/08/25 04:10
Dilution Factor : 8.333
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	ND	1.67	--	ND	8.26	--	U
74-87-3	Chloromethane	ND	1.67	--	ND	3.45	--	U
76-14-2	Freon-114	ND	1.67	--	ND	11.7	--	U
75-01-4	Vinyl chloride	ND	1.67	--	ND	4.27	--	U
106-99-0	1,3-Butadiene	ND	1.67	--	ND	3.69	--	U
74-83-9	Bromomethane	ND	1.67	--	ND	6.48	--	U
75-00-3	Chloroethane	ND	1.67	--	ND	4.41	--	U
64-17-5	Ethanol	ND	41.7	--	ND	78.6	--	U
593-60-2	Vinyl bromide	ND	1.67	--	ND	7.30	--	U
67-64-1	Acetone	81.4	8.33	--	193	19.8	--	
75-69-4	Trichlorofluoromethane	ND	1.67	--	ND	9.38	--	U
67-63-0	Isopropanol	9.04	8.33	--	22.2	20.5	--	
75-35-4	1,1-Dichloroethene	ND	1.67	--	ND	6.62	--	U
75-65-0	Tertiary butyl Alcohol	6.02	4.17	--	18.2	12.6	--	
75-09-2	Methylene chloride	ND	4.17	--	ND	14.5	--	U
107-05-1	3-Chloropropene	ND	1.67	--	ND	5.23	--	U
75-15-0	Carbon disulfide	6.37	1.67	--	19.8	5.20	--	
76-13-1	Freon-113	ND	1.67	--	ND	12.8	--	U
156-60-5	trans-1,2-Dichloroethene	ND	1.67	--	ND	6.62	--	U
75-34-3	1,1-Dichloroethane	ND	1.67	--	ND	6.76	--	U
1634-04-4	Methyl tert butyl ether	ND	1.67	--	ND	6.02	--	U
78-93-3	2-Butanone	ND	4.17	--	ND	12.3	--	U
156-59-2	cis-1,2-Dichloroethene	ND	1.67	--	ND	6.62	--	U
141-78-6	Ethyl Acetate	ND	4.17	--	ND	15.0	--	U

Low Br
5/30/2025 *Pace*

Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-06D
Client ID : SSVI-06_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY
11207
Sample Matrix : SOIL VAPOR
Analytical Method : 48.TO-15
Lab File ID : R1934362
Sample Amount : 30.0 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 12:36
Date Received : 04/24/25
Date Analyzed : 05/08/25 04:10
Dilution Factor : 8.333
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-66-3	Chloroform	5.81	1.67	--	28.4	8.16	--	
109-99-9	Tetrahydrofuran	ND	4.17	--	ND	12.3	--	U
107-06-2	1,2-Dichloroethane	ND	1.67	--	ND	6.76	--	U
110-54-3	n-Hexane	3.05	1.67	--	10.7	5.89	--	J
71-55-6	1,1,1-Trichloroethane	ND	1.67	--	ND	9.11	--	U
71-43-2	Benzene	2.27	1.67	--	7.25	5.34	--	
56-23-5	Carbon tetrachloride	ND	1.67	--	ND	10.5	--	U
110-82-7	Cyclohexane	ND	1.67	--	ND	5.75	--	U
78-87-5	1,2-Dichloropropane	ND	1.67	--	ND	7.72	--	U
75-27-4	Bromodichloromethane	ND	1.67	--	ND	11.2	--	U
123-91-1	1,4-Dioxane	ND	1.67	--	ND	6.02	--	U
79-01-6	Trichloroethene	620	1.67	--	3330	8.97	--	
540-84-1	2,2,4-Trimethylpentane	ND	1.67	--	ND	7.80	--	U
142-82-5	Heptane	1.87	1.67	--	7.66	6.84	--	
10061-01-5	cis-1,3-Dichloropropene	ND	1.67	--	ND	7.58	--	U
108-10-1	4-Methyl-2-pentanone	ND	4.17	--	ND	17.1	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.67	--	ND	7.58	--	U
79-00-5	1,1,2-Trichloroethane	ND	1.67	--	ND	9.11	--	U
108-88-3	Toluene	8.17	1.67	--	30.8	6.29	--	
591-78-6	2-Hexanone	ND	1.67	--	ND	6.84	--	U
124-48-1	Dibromochloromethane	ND	1.67	--	ND	14.2	--	U
106-93-4	1,2-Dibromoethane	ND	1.67	--	ND	12.8	--	U
127-18-4	Tetrachloroethene	19.1	1.67	--	130	11.3	--	
108-90-7	Chlorobenzene	ND	1.67	--	ND	7.69	--	U

Yolife
5/30/2025 *Pace*

Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-06D
Client ID : SSVI-06_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY
11207
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1934362
Sample Amount : 30.0 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 12:36
Date Received : 04/24/25
Date Analyzed : 05/08/25 04:10
Dilution Factor : 8.333
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
100-41-4	Ethylbenzene	ND	1.67	--	ND	7.25	--	U
179601-23-1	p/m-Xylene	6.89	3.33	--	29.9	14.5	--	
75-25-2	Bromoform	ND	1.67	--	ND	17.3	--	U
100-42-5	Styrene	ND	1.67	--	ND	7.11	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.67	--	ND	11.5	--	U
95-47-6	o-Xylene	3.10	1.67	--	13.5	7.25	--	
622-96-8	4-Ethyltoluene	ND	1.67	--	ND	8.21	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.67	--	ND	8.21	--	U
95-63-6	1,2,4-Trimethylbenzene	2.56	1.67	--	12.6	8.21	--	
100-44-7	Benzyl chloride	ND	1.67	--	ND	8.65	--	U
541-73-1	1,3-Dichlorobenzene	ND	1.67	--	ND	10.0	--	U
106-46-7	1,4-Dichlorobenzene	ND	1.67	--	ND	10.0	--	U
95-50-1	1,2-Dichlorobenzene	ND	1.67	--	ND	10.0	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.67	--	ND	12.4	--	U
91-20-3	Naphthalene	ND	1.58	--	ND	8.28	--	U
87-68-3	Hexachlorobutadiene	ND	1.67	--	ND	17.8	--	U

Joi Bg
573012025
Pace

Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-07D
Client ID : SSVI-07_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY 11207
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1934363
Sample Amount : 125 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 12:36
Date Received : 04/24/25
Date Analyzed : 05/08/25 04:49
Dilution Factor : 2
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.468	0.400	--	2.31	1.98	--	
74-87-3	Chloromethane	ND	0.400	--	ND	0.826	--	U
76-14-2	Freon-114	ND	0.400	--	ND	2.80	--	U
75-01-4	Vinyl chloride	ND	0.400	--	ND	1.02	--	U
106-99-0	1,3-Butadiene	5.76	0.400	--	12.7	0.885	--	
74-83-9	Bromomethane	ND	0.400	--	ND	1.55	--	U
75-00-3	Chloroethane	ND	0.400	--	ND	1.06	--	U
64-17-5	Ethanol	ND	10.0	--	ND	18.8	--	U
593-60-2	Vinyl bromide	ND	0.400	--	ND	1.75	--	U
67-64-1	Acetone	66.5	2.00	--	158	4.75	--	
75-69-4	Trichlorofluoromethane	ND	0.400	--	ND	2.25	--	U
67-63-0	Isopropanol	5.66	2.00	--	13.9	4.92	--	
75-35-4	1,1-Dichloroethene	ND	0.400	--	ND	1.59	--	U
75-65-0	Tertiary butyl Alcohol	5.03	1.00	--	15.2	3.03	--	
75-09-2	Methylene chloride	ND	1.00	--	ND	3.47	--	U
107-05-1	3-Chloropropene	ND	0.400	--	ND	1.25	--	U
75-15-0	Carbon disulfide	1.54	0.400	--	4.80	1.25	--	
76-13-1	Freon-113	ND	0.400	--	ND	3.07	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--	U
75-34-3	1,1-Dichloroethane	ND	0.400	--	ND	1.62	--	U
1634-04-4	Methyl tert butyl ether	ND	0.400	--	ND	1.44	--	U
78-93-3	2-Butanone	2.24	1.00	--	6.61	2.95	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--	U
141-78-6	Ethyl Acetate	ND	1.00	--	ND	3.60	--	U

John B.
57301204
Pace

Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-07D
Client ID : SSVI-07_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY
11207
Sample Matrix : SOIL VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1934363
Sample Amount : 125 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 12:36
Date Received : 04/24/25
Date Analyzed : 05/08/25 04:49
Dilution Factor : 2
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-66-3	Chloroform	2.30	0.400	--	11.2	1.95	--	
109-99-9	Tetrahydrofuran	ND	1.00	--	ND	2.95	--	U
107-06-2	1,2-Dichloroethane	ND	0.400	--	ND	1.62	--	U
110-54-3	n-Hexane	3.00	0.400	--	10.6	1.41	--	J
71-55-6	1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--	U
71-43-2	Benzene	1.50	0.400	--	4.79	1.28	--	
56-23-5	Carbon tetrachloride	ND	0.400	--	ND	2.52	--	U
110-82-7	Cyclohexane	0.822	0.400	--	2.83	1.38	--	
78-87-5	1,2-Dichloropropane	ND	0.400	--	ND	1.85	--	U
75-27-4	Bromodichloromethane	ND	0.400	--	ND	2.68	--	U
123-91-1	1,4-Dioxane	ND	0.400	--	ND	1.44	--	U
79-01-6	Trichloroethene	156	0.400	--	838	2.15	--	
540-84-1	2,2,4-Trimethylpentane	0.512	0.400	--	2.39	1.87	--	
142-82-5	Heptane	1.35	0.400	--	5.53	1.64	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--	U
108-10-1	4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--	U
108-88-3	Toluene	6.99	0.400	--	26.3	1.51	--	
591-78-6	2-Hexanone	ND	0.400	--	ND	1.64	--	U
124-48-1	Dibromochloromethane	ND	0.400	--	ND	3.41	--	U
106-93-4	1,2-Dibromoethane	ND	0.400	--	ND	3.07	--	U
127-18-4	Tetrachloroethene	11.4	0.400	--	77.3	2.71	--	
108-90-7	Chlorobenzene	ND	0.400	--	ND	1.84	--	U

John D.
5/30/2015
Pace

Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-07D
Client ID : SSVI-07_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY
11207
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1934363
Sample Amount : 125 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 12:36
Date Received : 04/24/25
Date Analyzed : 05/08/25 04:49
Dilution Factor : 2
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
100-41-4	Ethylbenzene	1.32	0.400	--	5.73	1.74	--	
179601-23-1	p/m-Xylene	5.81	0.800	--	25.2	3.47	--	
75-25-2	Bromoform	ND	0.400	--	ND	4.14	--	U
100-42-5	Styrene	0.926	0.400	--	3.94	1.70	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--	U
95-47-6	o-Xylene	2.38	0.400	--	10.3	1.74	--	
622-96-8	4-Ethyltoluene	0.742	0.400	--	3.65	1.97	--	
108-67-8	1,3,5-Trimethylbenzene	0.676	0.400	--	3.32	1.97	--	
95-63-6	1,2,4-Trimethylbenzene	2.02	0.400	--	9.93	1.97	--	
100-44-7	Benzyl chloride	ND	0.400	--	ND	2.07	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--	U
91-20-3	Naphthalene	ND	0.380	--	ND	1.99	--	U
87-68-3	Hexachlorobutadiene	ND	0.400	--	ND	4.27	--	U

John B.
5/30/2025
Pace

Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-08
Client ID : SSVI-08_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY
11207
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1934364
Sample Amount : 250 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 13:34
Date Received : 04/24/25
Date Analyzed : 05/08/25 05:28
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.402	0.200	--	1.99	0.989	--	
74-87-3	Chloromethane	0.493	0.200	--	1.02	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	0.309	0.200	--	0.684	0.442	--	
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	9.37	5.00	--	15.8	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	20.3	1.00	--	48.2	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	2.56	1.00	--	6.29	2.46	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.940	0.500	--	2.77	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	1.19	0.500	--	4.29	1.80	--	

John B. Pace
5/30/2025

Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-08
Client ID : SSVI-08_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY
11207
Sample Matrix : SOIL VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1934364
Sample Amount : 250 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 13:34
Date Received : 04/24/25
Date Analyzed : 05/08/25 05:28
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.367	0.200	--	1.29	0.705	--	J
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	0.215	0.200	--	0.667	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	ND	0.200	--	ND	1.07	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.620	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
106-88-3	Toluene	0.943	0.200	--	3.55	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.620	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	0.844	0.200	--	5.72	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U

John B.
12301200
Pace

Results Summary Form 1 Volatile Organics in Air

Client : AKRF, Inc.
Project Name : 485 VAN SINDEREN AVENUE
Lab ID : L2525337-08
Client ID : SSVI-08_20250424
Sample Location : 485 VAN SINDEREN AVE, BROOKLYN NY
11207
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1934364
Sample Amount : 250 ml

Lab Number : L2525337
Project Number : 170447
Date Collected : 04/24/25 13:34
Date Received : 04/24/25
Date Analyzed : 05/08/25 05:28
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB19
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
100-41-4	Ethylbenzene	0.212	0.200	--	0.921	0.869	--	
179601-23-1	p/m-Xylene	0.845	0.400	--	3.67	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.278	0.200	--	1.21	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	0.253	0.200	--	1.24	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.190	--	ND	0.996	--	U
67-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Joli Br
5/30/2024

Pace